



ABSTRACT

This report covers the radiation characterization results of the TRF0208-SP (5962R2420201PXE), an 11GHz 3dB BW, single ended to differential ADC driver amplifier. The study was done to determine *Total Ionizing Dose* (TID) effects under high dose rate (HDR) up to 100krad(Si). The results show that all samples passed well within the specified limits up to 100krad(Si).

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1 Device Information

1.1 Product Description

The TRF0208-SP is a high performance, radiation hardened RF amplifier optimized for radio frequency (RF) applications. This device is designed for ac-coupled applications that require a single-ended to differential conversion when driving an analog-to-digital converter (ADC), such as the high performance ADC12DJ5200-SP. The on-chip matching components simplify printed circuit board (PCB) implementation and provide the highest performance over the usable bandwidth. The device is fabricated in Texas Instruments' advanced complementary BiCMOS process and is available in a space-qualified WQFN-FCRLF package. The device operates on a 3.3V single-rail supply. A power-down feature is also available for power savings

1.2 Device Details

Table 1-1 lists the device information used in the TID HDR characterization.

Table 1-1. Device and Exposure Details

TID HDR Details: up to 100 krad(Si)	
TI Device Number	5962R2420201PXE (TRF0208-SP)
Package	WQFN-FCRLF (RPV)
Technology	BICMOS
Die Lot Number	4031088
A/T Lot Number / Date Code	4325705 / 47A3YTI
Quantity Tested	HDR:32
Lot Accept/Reject	All levels tested and passed up to 100 krad(Si) (HDR)
HDR Radiation Facility	Texas Instruments, Dallas
HDR Dose Level	30 krad(Si), 50 krad(Si), 100 krad(Si)
HDR Dose Rate	263 rad(Si)/s
HDR Radiation Source	Gamma rays provided by Hopewell GR420 Co60 source. Dosimetry performed by Hopewell via GEX using GEX Alanine dosimeters
Irradiation Temperature	Ambient, room temperature controlled to 4°C ± 6°C per MILSTD-883 and MIL-STD-750

2 Total Dose Test Setup

2.1 Test Overview

The TRF0208-SP was tested according to MIL-STD-883, Test Method 1019, Condition A. The product was irradiated up to 100krad(Si) and then put through full electrical parametric testing on the production *Automated Test Equipment* (ATE). The device was functional and passed all electrical parametric tests with readings within guard bands of the *Standard Microcircuit Drawing* (SMD) electrical specification limits. ELDRS is Qualified By Similarity (QBS).

2.2 Test Description and Facilities

The TRF0208-SP HDR exposure was performed on biased and unbiased devices in a Co-60 gamma cell at TI CLAB facility in Dallas, Texas. The unattenuated dose rate of this cell is 50-300 rad(Si)/s. After exposure, the devices were packed in dry ice (per MIL-STD-883 Method 1019 section 3.10) and returned to TI Dallas for a full post irradiation electrical evaluation using Texas Instruments' ATE. The ATE test limits are set within SMD electrical limits and are guardbanded to provide a minimum Cpk and test error margin based on initial qualification and characterization data. Post irradiation measurements were taken within 30 minutes of removal of the devices from the dry ice container. The devices were allowed to reach room temperature prior to electrical post irradiation measurements.

2.3 Test Setup Details

The devices under HDR exposure were tested in both biased and unbiased conditions and are described in this section.

2.3.1 Unbiased

For the unbiased HDR conditions, the exposure was performed with all pins grounded.

2.3.2 Biased

Figure 2-1 shows the bias conditions for each pin during HDR exposure.

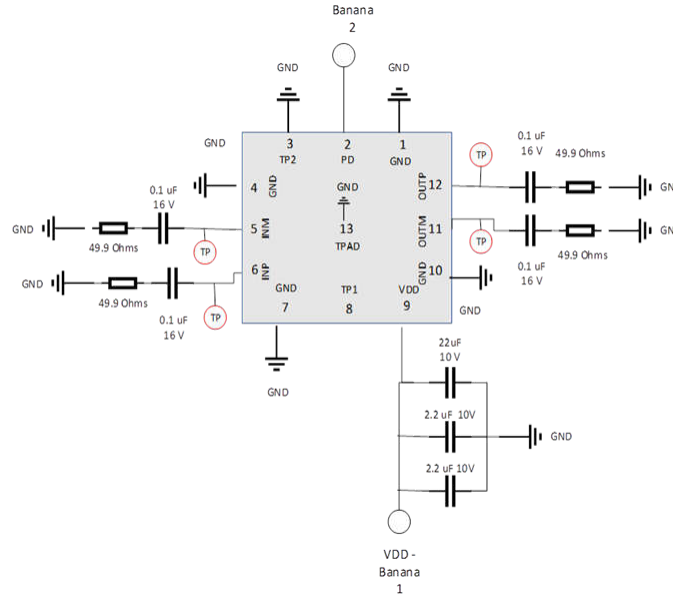


Figure 2-1. Bias Diagram Used in TID Exposure

2.4 Test Configuration and Condition

A step-stress (30krad(Si), 50krad(Si), 100krad(Si)) test method was used to determine the TID hardness level. That is, after a predetermined TID level was reached, an electrical test was performed on a given sample of parts to verify that the units are within specified the SMD electrical test limits. MIL-STD-883, Test Method 1019, Condition A was used in this case.

Table 2-1 and Table 2-2 lists the serialized samples that were used during the RHA characterization.

Table 2-1. HDR (200-300 rad(Si)/s) Unbiased Device Information

HDR = 263 rad(Si)/s		
Total Samples: 5 unbiased/TID level		
Exposure Levels:		
30 krad(Si)	50 krad(Si)	100 krad(Si)
6U, 7U, 8U, 9U, 10U	16U, 17U, 18U, 19U, 20U	26U, 27U, 28U, 29U, 30U

Table 2-2. HDR (200-300 rad(Si)/s) Biased Device Information

HDR = 263 rad(Si)/s		
Total Samples: 5 biased/TID level		
Exposure Levels:		
30 krad(Si)	50 krad(Si)	100 krad(Si)
1, 2, 3, 4, 5	11, 12, 13, 14, 15	21, 22, 23, 24, 25

3 Total Ionizing Dose Characterization Test Results

3.1 Total Ionizing Dose RHA Characterization Summary Results

The parametric data for the TRF0208-SP passes up to 100-krad(Si) HDR per MIL-STD-883, TM1019 Condition A for both biased and unbiased setup conditions. An overview of the largest drifts seen post-test is shown later in this section. The data sheet parameters are tested pre and post irradiation. [HDR Total Ionizing Dose Report](#) includes pre and post irradiation data and graphs showing the drift for all parameters.

Overall the TRF0208-SP showed a strong degree of hardness to TID HDR irradiation up to the 100 krad(Si) for both biased and unbiased setup conditions. All parameters were well within the SMD electrical specification for the device. Most parameters showed marginally if any shift, and those that showed greater shift were still within the guardbanded limits and SMD specification.

Critical parameters for the TRF0208-SP such as Vcc Quiescent Current at 3.3V. Disable current at 3.3V and the Power Gain at 3.3V were still within specifications.

kRad	0	30	50	100
LL	114.926	114.926	114.926	114.926
Min	128.598	128.238	127.241	127.799
Average	128.794	130.414	130.379	129.915
Max	128.990	132.583	132.722	132.340
UL	145.367	145.367	145.367	145.367

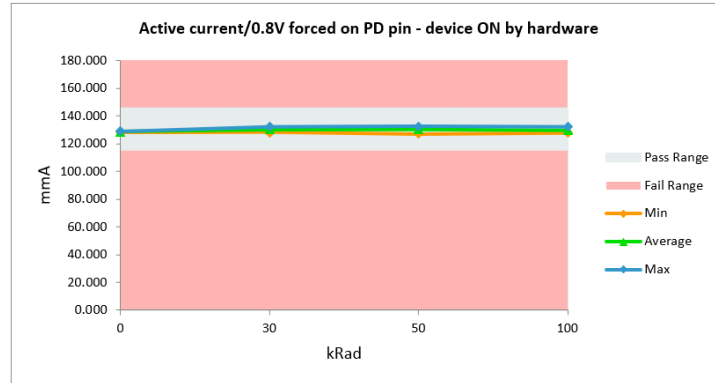


Figure 3-1. IQ_VCC_ENABLE_3.3V HDR Result

kRad	0	30	50	100
LL	5.162	5.162	5.162	5.162
Min	8.252	7.832	7.603	7.704
Average	8.342	7.994	8.069	8.055
Max	8.431	8.365	8.924	8.545
UL	12.500	12.500	12.500	12.500

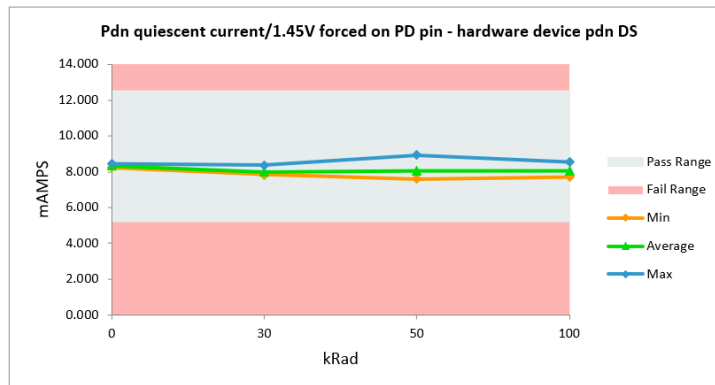


Figure 3-2. IQ_VCC_DISABLE_3.3V

kRad	0	30	50	100
LL	-15.603	-15.603	-15.603	-15.603
Min	-15.112	-15.213	-15.199	-15.215
Average	-15.106	-15.144	-15.138	-15.122
Max	-15.100	-15.096	-15.070	-15.038
UL	-14.663	-14.663	-14.663	-14.663

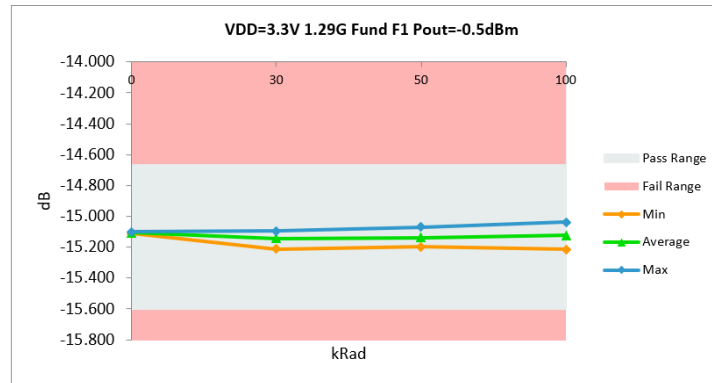


Figure 3-3. Power Gain f1 = 1.29GHz HDR Result

4 Applicable and Reference Documents

Texas Instruments, [TRF0208-SP Single Channel, 10 MHz to 6.5 GHz 3-dB BW, ADC Driver Amplifier](#), data sheet.

4.1 Reference Documents

Texas Instruments total ionizing dose radiation (total dose) test procedure follows the standards put forth in MIL-STD-883 TM 1019. The document is found at the DLA website.

5 HDR Total Ionizing Dose Report

This appendix provides the full TRF0208-SP (5962R2420201PXE) HDR (biased and unbiased) TID report.

Delta Threshold 20.00%

Fab Lot: 4031088
Assembly Lot: 4325705
Lot Trace Code: 47A3YTI

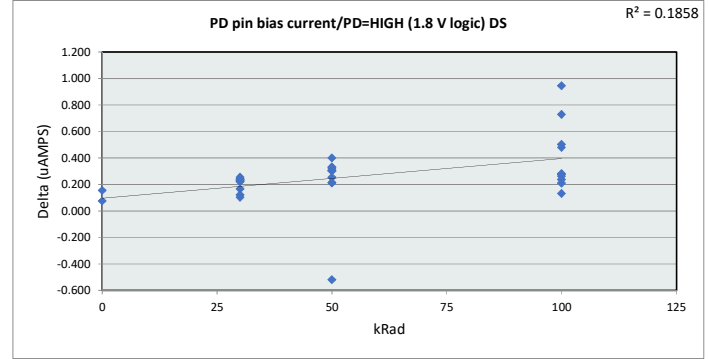
QMLP TID Report
TRF0208 QMLP

QMLP TID Report
TRF0208 QMLP

PD pin bias current/PD=HIGH (1

Test Site		
Tester		
Test Number		
Unit	uAMPS	uAMPS
Max Limit	99.99999747	99.99999747
Min Limit	34.68483701	34.68483701

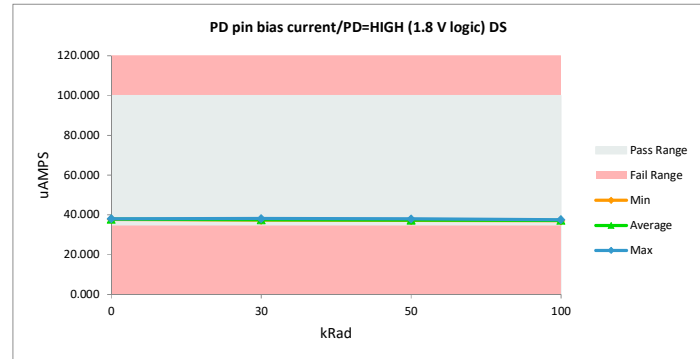
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	37.937	37.782	0.155	0.41%	0.24%
0	C2	38.164	38.090	0.075	0.20%	0.11%
30	1	37.897	37.641	0.256	0.67%	0.39%
30	2	37.954	37.717	0.237	0.62%	0.36%
30	3	37.575	37.331	0.244	0.65%	0.37%
30	4	37.617	37.395	0.221	0.59%	0.34%
30	5	38.370	38.133	0.237	0.62%	0.36%
30	6 U	37.795	37.571	0.224	0.59%	0.34%
30	7 U	37.642	37.411	0.231	0.61%	0.35%
30	8 U	37.769	37.647	0.122	0.32%	0.19%
30	9 U	37.730	37.627	0.104	0.27%	0.16%
30	10 U	37.663	37.496	0.167	0.44%	0.26%
50	11	37.866	37.533	0.333	0.88%	0.51%
50	12	37.628	37.303	0.325	0.86%	0.50%
50	13	37.522	37.213	0.309	0.82%	0.47%
50	14	37.784	37.384	0.401	1.06%	0.61%
50	15	37.938	37.636	0.303	0.80%	0.46%
50	16 U	37.465	37.211	0.254	0.68%	0.39%
50	17 U	37.920	37.617	0.303	0.80%	0.46%
50	18 U	37.433	37.222	0.211	0.56%	0.32%
50	19 U	37.594	37.379	0.215	0.57%	0.33%
50	20 U	37.500	38.019	-0.519	-1.39%	0.80%
100	21	38.073	37.128	0.945	2.48%	1.45%
100	22	37.550	37.046	0.503	1.34%	0.77%
100	23	37.479	36.999	0.481	1.28%	0.74%
100	24	37.670	37.537	0.133	0.35%	0.20%
100	25	37.904	37.174	0.729	1.92%	1.12%
100	26 U	37.899	37.624	0.275	0.73%	0.42%
100	27 U	37.694	37.484	0.210	0.56%	0.32%
100	28 U	37.630	37.348	0.282	0.75%	0.43%
100	29 U	37.676	37.439	0.237	0.63%	0.36%
100	30 U	37.460	37.197	0.263	0.70%	0.40%
	Max	38.370	38.133	0.945	2.48%	1.45%
	Average	37.744	37.479	0.265	0.70%	0.45%
	Min	37.433	36.999	-0.519	-1.39%	0.11%
	Std Dev	0.221	0.279	0.225	0.59%	0.27%



PD pin bias current/PD=HIGH

Test Site		
Tester		
Test Number		
Max Limit	99.99999747	uAMPS
Min Limit	34.68483701	uAMPS

kRad	0	30	50	100
LL	34.685	34.685	34.685	34.685
Min	37.782	37.331	37.211	36.999
Average	37.936	37.597	37.452	37.298
Max	38.090	38.133	38.019	37.624
UL	100.000	100.000	100.000	100.000

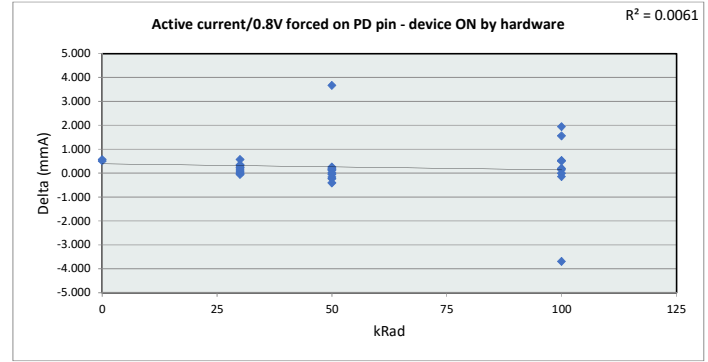


QMLP TID Report
TRF0208 QMLP

Active current/0.8V forced on PD

Test Site		
Tester		
Test Number		
Unit	mmA	mmA
Max Limit	145.3668464	145.3668464
Min Limit	114.9256399	114.9256399

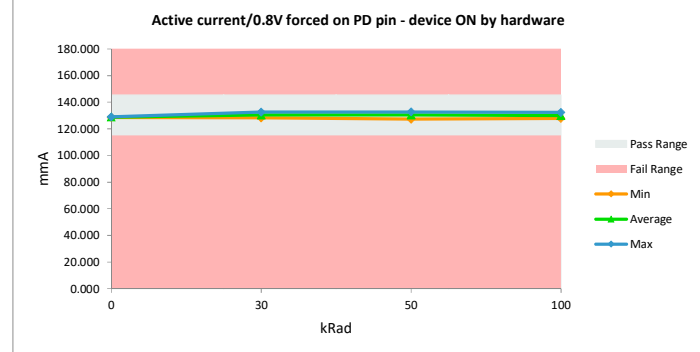
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	129.500	128.990	0.510	0.39%	1.68%
0	C2	129.172	128.598	0.575	0.44%	1.89%
30	1	130.232	129.893	0.339	0.26%	1.11%
30	2	130.752	130.176	0.576	0.44%	1.89%
30	3	132.756	132.583	0.174	0.13%	0.57%
30	4	128.486	128.238	0.248	0.19%	0.81%
30	5	131.797	131.703	0.094	0.07%	0.31%
30	6 U	129.756	129.409	0.347	0.27%	1.14%
30	7 U	130.613	130.366	0.247	0.19%	0.81%
30	8 U	129.304	129.320	-0.015	-0.01%	0.05%
30	9 U	131.850	131.807	0.043	0.03%	0.14%
30	10 U	130.596	130.649	-0.053	-0.04%	0.17%
50	11	129.738	129.618	0.120	0.09%	0.39%
50	12	132.681	132.722	-0.042	-0.03%	0.14%
50	13	129.235	129.646	-0.411	-0.32%	1.35%
50	14	131.044	130.836	0.208	0.16%	0.68%
50	15	132.330	132.067	0.263	0.20%	0.86%
50	16 U	127.015	127.241	-0.226	-0.18%	0.74%
50	17 U	130.578	130.738	-0.160	-0.12%	0.53%
50	18 U	131.556	131.404	0.153	0.12%	0.50%
50	19 U	130.499	130.484	0.015	0.01%	0.05%
50	20 U	132.707	129.038	3.669	2.76%	12.05%
100	21	128.646	132.340	-3.695	-2.87%	12.14%
100	22	129.329	128.823	0.507	0.39%	1.66%
100	23	129.487	128.954	0.534	0.41%	1.75%
100	24	129.419	127.858	1.562	1.21%	5.13%
100	25	131.028	129.083	1.945	1.48%	6.39%
100	26 U	127.977	127.799	0.178	0.14%	0.58%
100	27 U	132.027	132.029	-0.001	0.00%	0.00%
100	28 U	132.466	132.264	0.202	0.15%	0.66%
100	29 U	129.251	129.390	-0.139	-0.11%	0.46%
100	30 U	130.759	130.616	0.143	0.11%	0.47%
	Max	132.756	132.722	3.669	2.76%	12.14%
	Average	130.393	130.146	0.247	0.19%	1.79%
	Min	127.015	127.241	-3.695	-2.87%	0.00%
	Std Dev	1.474	1.522	1.043	0.80%	3.02%



Active current/0.8V forced on PD

Test Site		
Tester		
Test Number		
Max Limit	145.3668464	mmA
Min Limit	114.9256399	mmA

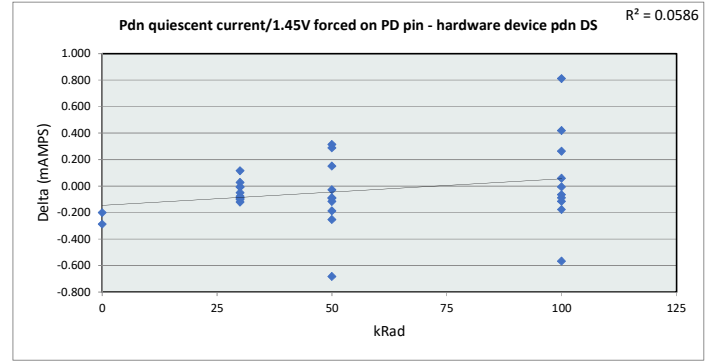
kRad	0	30	50	100
LL	114.926	114.926	114.926	114.926
Min	128.598	128.238	127.241	127.799
Average	128.794	130.414	130.379	129.915
Max	128.990	132.583	132.722	132.340
UL	145.367	145.367	145.367	145.367



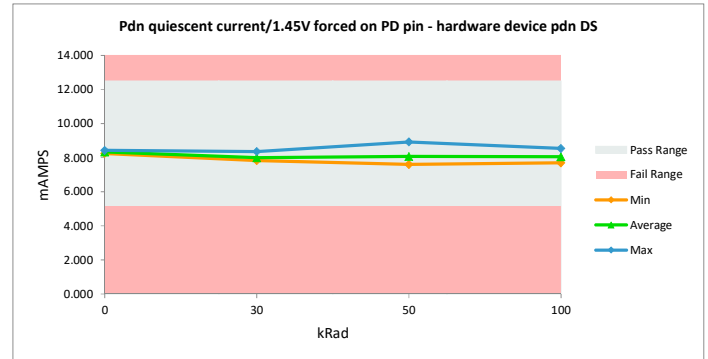
QMLP TID Report
TRF0208 QMLP

Pdn quiescent current/1.45V forced		
Test Site		
Tester		
Test Number		
Unit	mAMPS	mAMPS
Max Limit	12.50000019	12.50000019
Min Limit	5.161677014	5.161677014

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	8.052	8.252	-0.200	-2.49%	2.73%
0	C2	8.144	8.431	-0.287	-3.52%	3.90%
30	1	8.030	7.914	0.116	1.45%	1.59%
30	2	7.862	7.867	-0.006	-0.07%	0.08%
30	3	7.910	7.882	0.028	0.35%	0.38%
30	4	7.915	8.036	-0.120	-1.52%	1.64%
30	5	8.005	8.011	-0.006	-0.08%	0.08%
30	6 U	8.089	8.189	-0.100	-1.24%	1.36%
30	7 U	7.898	7.974	-0.076	-0.97%	1.04%
30	8 U	7.748	7.832	-0.085	-1.09%	1.15%
30	9 U	7.823	7.872	-0.049	-0.63%	0.67%
30	10 U	8.274	8.365	-0.091	-1.11%	1.25%
50	11	8.025	8.212	-0.187	-2.33%	2.55%
50	12	8.092	8.119	-0.028	-0.34%	0.37%
50	13	8.029	7.715	0.315	3.92%	4.29%
50	14	8.297	8.385	-0.088	-1.06%	1.19%
50	15	7.751	7.843	-0.092	-1.18%	1.25%
50	16 U	7.892	7.603	0.289	3.66%	3.93%
50	17 U	7.990	8.242	-0.252	-3.16%	3.44%
50	18 U	7.760	7.877	-0.116	-1.50%	1.58%
50	19 U	7.924	7.773	0.150	1.90%	2.05%
50	20 U	8.241	8.924	-0.683	-8.28%	9.30%
100	21	9.005	8.193	0.812	9.01%	11.06%
100	22	7.793	7.907	-0.114	-1.46%	1.56%
100	23	8.106	8.046	0.059	0.73%	0.81%
100	24	7.978	8.545	-0.567	-7.11%	7.73%
100	25	8.128	7.708	0.420	5.16%	5.72%
100	26 U	7.835	7.922	-0.088	-1.12%	1.20%
100	27 U	8.309	8.374	-0.065	-0.79%	0.89%
100	28 U	8.272	8.276	-0.005	-0.06%	0.07%
100	29 U	7.968	7.704	0.264	3.32%	3.60%
100	30 U	7.694	7.870	-0.176	-2.29%	2.40%
	Max	9.005	8.924	0.812	9.01%	11.06%
	Average	8.026	8.058	-0.032	-0.43%	2.53%
	Min	7.694	7.603	-0.683	-8.28%	0.07%
	Std Dev	0.247	0.290	0.269	3.23%	2.65%



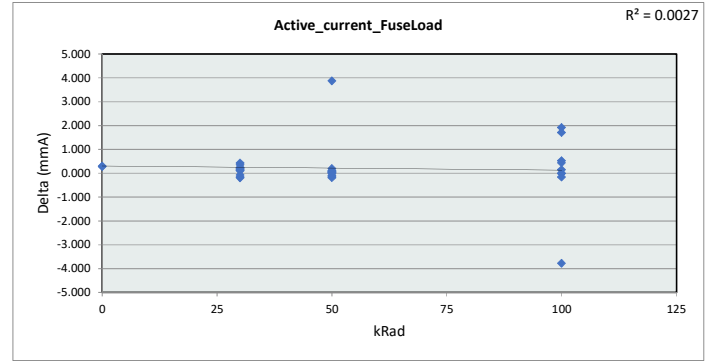
Pdn quiescent current/1.45V forced				
Test Site				
Tester				
Test Number				
Max Limit	12.50000019	mAMPS		
Min Limit	5.161677014	mAMPS		
kRad	0	30	50	100
LL	5.162	5.162	5.162	5.162
Min	8.252	7.832	7.603	7.704
Average	8.342	7.994	8.069	8.055
Max	8.431	8.365	8.924	8.545
UL	12.500	12.500	12.500	12.500



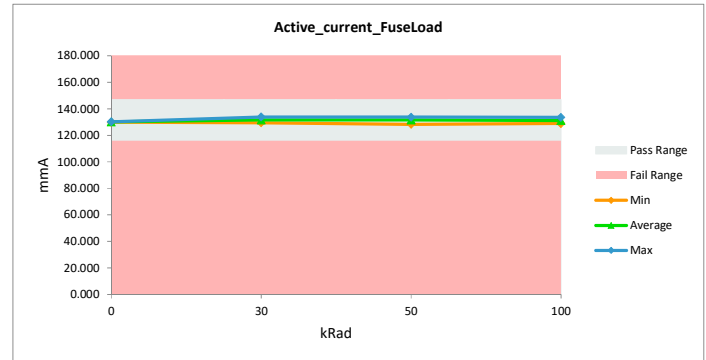
QMLP TID Report
TRF0208 QMLP

Active_current_FuseLoad		
Test Site		
Tester		
Test Number		
Unit	mmA	mmA
Max Limit	146.7473903	146.7473903
Min Limit	115.9875099	115.9875099

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	130.548	130.271	0.277	0.21%	0.90%
0	C2	130.168	129.868	0.300	0.23%	0.97%
30	1	131.481	131.125	0.356	0.27%	1.16%
30	2	131.852	131.424	0.428	0.32%	1.39%
30	3	133.929	133.822	0.107	0.08%	0.35%
30	4	129.689	129.553	0.136	0.11%	0.44%
30	5	133.126	132.910	0.216	0.16%	0.70%
30	6 U	130.826	130.646	0.180	0.14%	0.59%
30	7 U	131.734	131.493	0.241	0.18%	0.78%
30	8 U	130.351	130.539	-0.189	-0.14%	0.61%
30	9 U	132.967	133.035	-0.067	-0.05%	0.22%
30	10 U	131.768	131.930	-0.162	-0.12%	0.53%
50	11	130.809	130.701	0.108	0.08%	0.35%
50	12	133.980	133.786	0.195	0.15%	0.63%
50	13	130.524	130.712	-0.188	-0.14%	0.61%
50	14	132.196	132.136	0.060	0.05%	0.20%
50	15	133.427	133.372	0.054	0.04%	0.18%
50	16 U	128.279	128.367	-0.088	-0.07%	0.29%
50	17 U	131.688	131.815	-0.127	-0.10%	0.41%
50	18 U	132.758	132.724	0.033	0.03%	0.11%
50	19 U	131.607	131.604	0.003	0.00%	0.01%
50	20 U	134.132	130.255	3.877	2.89%	12.60%
100	21	129.846	133.620	-3.774	-2.91%	12.27%
100	22	130.525	130.088	0.437	0.33%	1.42%
100	23	130.760	130.238	0.522	0.40%	1.70%
100	24	130.733	129.027	1.706	1.31%	5.55%
100	25	132.125	130.208	1.917	1.45%	6.23%
100	26 U	129.225	129.079	0.146	0.11%	0.48%
100	27 U	133.345	133.353	-0.009	-0.01%	0.03%
100	28 U	133.635	133.638	-0.003	0.00%	0.01%
100	29 U	130.365	130.525	-0.160	-0.12%	0.52%
100	30 U	131.883	131.893	-0.010	-0.01%	0.03%
	Max	134.132	133.822	3.877	2.89%	12.60%
	Average	131.571	131.367	0.204	0.15%	1.63%
	Min	128.279	128.367	-3.774	-2.91%	0.01%
	Std Dev	1.492	1.538	1.076	0.82%	3.15%



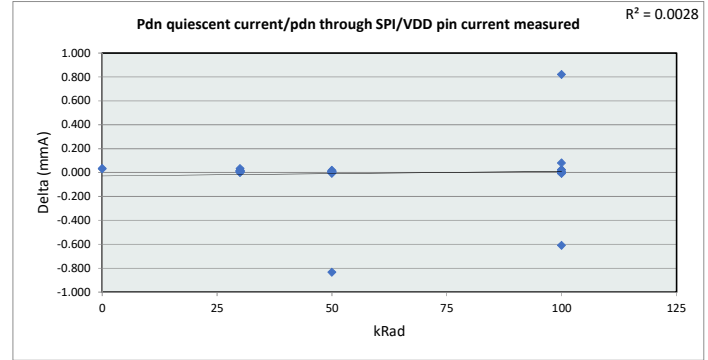
Active_current_FuseLoad				
Test Site				
Tester				
Test Number				
Max Limit	146.7473903	mmA		
Min Limit	115.9875099	mmA		
kRad	0	30	50	100
LL	115.988	115.988	115.988	115.988
Min	129.868	129.553	128.367	129.027
Average	130.070	131.648	131.547	131.167
Max	130.271	133.822	133.786	133.638
UL	146.747	146.747	146.747	146.747



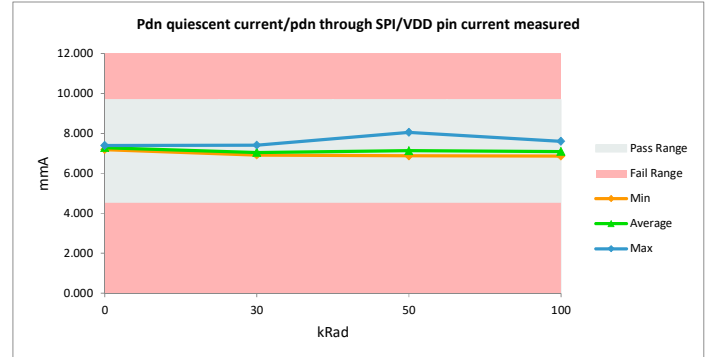
QMLP TID Report
TRF0208 QMLP

Pdn quiescent current/pdn throu		
Test Site		
Tester		
Test Number		
Unit	mmA	mmA
Max Limit	9.685455251	9.685455251
Min Limit	4.523080616	4.523080616

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	7.226	7.189	0.036	0.50%	0.70%
0	C2	7.427	7.395	0.032	0.43%	0.61%
30	1	7.012	6.993	0.020	0.28%	0.38%
30	2	6.977	6.942	0.035	0.50%	0.68%
30	3	7.063	7.047	0.017	0.24%	0.32%
30	4	6.977	6.963	0.014	0.20%	0.27%
30	5	7.123	7.117	0.006	0.08%	0.11%
30	6 U	7.198	7.184	0.013	0.19%	0.26%
30	7 U	6.945	6.930	0.014	0.20%	0.27%
30	8 U	6.919	6.913	0.006	0.09%	0.12%
30	9 U	6.980	6.971	0.009	0.13%	0.18%
30	10 U	7.418	7.418	0.000	0.00%	0.00%
50	11	7.148	7.139	0.009	0.12%	0.17%
50	12	7.020	7.017	0.003	0.05%	0.07%
50	13	6.973	6.966	0.007	0.10%	0.14%
50	14	7.368	7.353	0.015	0.20%	0.29%
50	15	6.896	6.876	0.020	0.29%	0.39%
50	16 U	6.886	6.879	0.007	0.11%	0.14%
50	17 U	7.128	7.133	-0.005	-0.07%	0.10%
50	18 U	6.890	6.884	0.006	0.09%	0.12%
50	19 U	7.040	7.038	0.002	0.03%	0.05%
50	20 U	7.229	8.061	-0.832	-11.51%	16.12%
100	21	8.021	7.200	0.821	10.23%	15.89%
100	22	6.921	6.896	0.025	0.36%	0.48%
100	23	6.993	6.970	0.023	0.33%	0.45%
100	24	6.995	7.603	-0.609	-8.70%	11.79%
100	25	7.038	6.958	0.081	1.15%	1.56%
100	26 U	6.954	6.941	0.012	0.18%	0.24%
100	27 U	7.404	7.412	-0.008	-0.10%	0.15%
100	28 U	7.174	7.170	0.004	0.06%	0.08%
100	29 U	6.912	6.913	-0.001	-0.02%	0.02%
100	30 U	6.866	6.865	0.001	0.01%	0.01%
Max		8.021	8.061	0.821	10.23%	16.12%
Average		7.098	7.104	-0.007	-0.13%	1.63%
Min		6.866	6.865	-0.832	-11.51%	0.00%
Std Dev		0.235	0.258	0.237	3.19%	4.29%



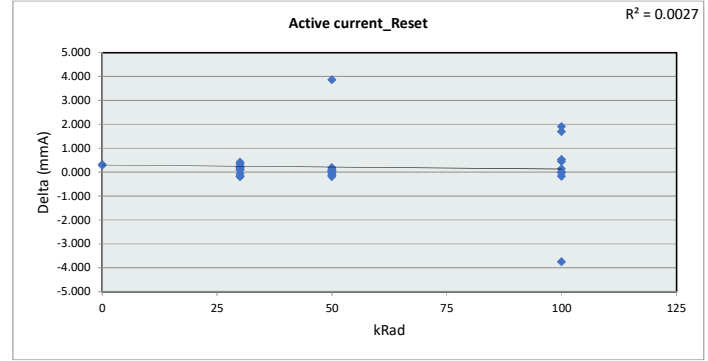
Pdn quiescent current/pdn throu				
Test Site				
Tester				
Test Number				
Max Limit	9.685455251	mmA		
Min Limit	4.523080616	mmA		
kRad	0	30	50	100
LL	4.523	4.523	4.523	4.523
Min	7.189	6.913	6.876	6.865
Average	7.292	7.048	7.134	7.093
Max	7.395	7.418	8.061	7.603
UL	9.685	9.685	9.685	9.685



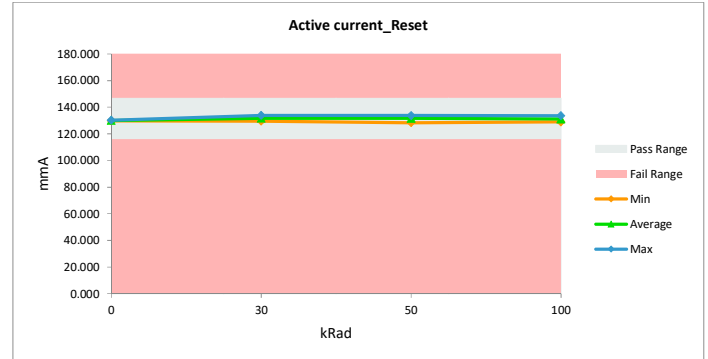
QMLP TID Report
TRF0208 QMLP

Active current_Reset		
Test Site		
Tester		
Test Number		
Unit	mmA	mmA
Max Limit	146.7544433	146.7544433
Min Limit	115.9730846	115.9730846

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	130.549	130.265	0.284	0.22%	0.92%
0	C2	130.177	129.852	0.324	0.25%	1.05%
30	1	131.476	131.124	0.353	0.27%	1.15%
30	2	131.846	131.428	0.417	0.32%	1.36%
30	3	133.908	133.820	0.088	0.07%	0.29%
30	4	129.676	129.562	0.113	0.09%	0.37%
30	5	133.127	132.908	0.219	0.16%	0.71%
30	6 U	130.822	130.636	0.187	0.14%	0.61%
30	7 U	131.745	131.486	0.259	0.20%	0.84%
30	8 U	130.347	130.538	-0.190	-0.15%	0.62%
30	9 U	132.964	133.026	-0.063	-0.05%	0.20%
30	10 U	131.768	131.937	-0.169	-0.13%	0.55%
50	11	130.799	130.685	0.115	0.09%	0.37%
50	12	133.967	133.780	0.187	0.14%	0.61%
50	13	130.519	130.698	-0.179	-0.14%	0.58%
50	14	132.193	132.131	0.062	0.05%	0.20%
50	15	133.428	133.377	0.051	0.04%	0.17%
50	16 U	128.270	128.350	-0.081	-0.06%	0.26%
50	17 U	131.680	131.814	-0.134	-0.10%	0.44%
50	18 U	132.752	132.731	0.022	0.02%	0.07%
50	19 U	131.606	131.601	0.005	0.00%	0.02%
50	20 U	134.116	130.254	3.863	2.88%	12.55%
100	21	129.861	133.612	-3.750	-2.89%	12.18%
100	22	130.529	130.078	0.451	0.35%	1.47%
100	23	130.766	130.235	0.531	0.41%	1.72%
100	24	130.718	129.023	1.695	1.30%	5.51%
100	25	132.123	130.219	1.904	1.44%	6.19%
100	26 U	129.219	129.080	0.138	0.11%	0.45%
100	27 U	133.345	133.347	-0.002	0.00%	0.01%
100	28 U	133.622	133.636	-0.014	-0.01%	0.05%
100	29 U	130.353	130.520	-0.167	-0.13%	0.54%
100	30 U	131.882	131.887	-0.005	0.00%	0.02%
	Max	134.116	133.820	3.863	2.88%	12.55%
	Average	131.567	131.364	0.204	0.15%	1.63%
	Min	128.270	128.350	-3.750	-2.89%	0.01%
	Std Dev	1.490	1.539	1.071	0.81%	3.13%



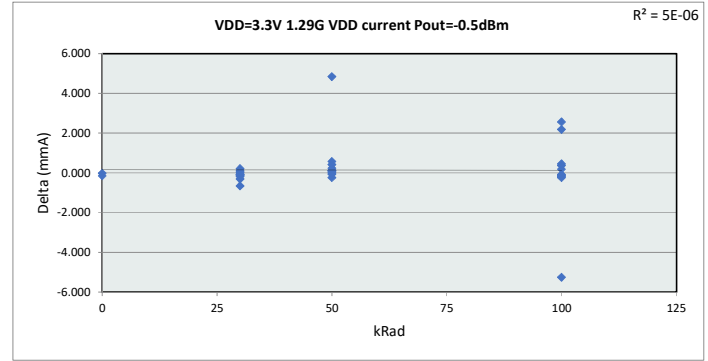
Active current_Reset				
Test Site				
Tester				
Test Number				
Max Limit	146.7544433	mmA		
Min Limit	115.9730846	mmA		
kRad	0	30	50	100
LL	115.973	115.973	115.973	115.973
Min	129.852	129.562	128.350	129.023
Average	130.059	131.647	131.542	131.164
Max	130.265	133.820	133.780	133.636
UL	146.754	146.754	146.754	146.754



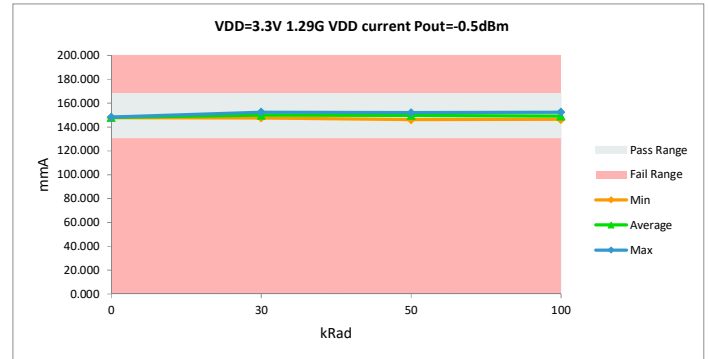
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G VDD current P		
Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	168.0702094	168.0702094
Min Limit	130.8249866	130.8249866

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	148.128	148.275	-0.147	-0.10%	0.40%
0	C2	147.859	147.872	-0.013	-0.01%	0.03%
30	1	149.575	149.648	-0.073	-0.05%	0.20%
30	2	149.400	149.496	-0.095	-0.06%	0.26%
30	3	152.168	152.476	-0.308	-0.20%	0.83%
30	4	147.421	147.601	-0.180	-0.12%	0.48%
30	5	151.840	151.745	0.095	0.06%	0.26%
30	6 U	148.570	148.696	-0.126	-0.09%	0.34%
30	7 U	149.734	149.519	0.214	0.14%	0.58%
30	8 U	148.029	148.682	-0.653	-0.44%	1.75%
30	9 U	151.094	151.151	-0.057	-0.04%	0.15%
30	10 U	149.699	149.669	0.030	0.02%	0.08%
50	11	148.828	148.251	0.577	0.39%	1.55%
50	12	152.161	151.743	0.418	0.27%	1.12%
50	13	148.642	148.547	0.095	0.06%	0.26%
50	14	150.089	149.962	0.127	0.08%	0.34%
50	15	152.152	152.058	0.094	0.06%	0.25%
50	16 U	146.031	146.275	-0.244	-0.17%	0.66%
50	17 U	150.024	150.092	-0.068	-0.05%	0.18%
50	18 U	151.372	151.137	0.235	0.16%	0.63%
50	19 U	149.585	149.585	0.000	0.00%	0.00%
50	20 U	152.418	147.579	4.839	3.18%	12.99%
100	21	147.009	152.262	-5.252	-3.57%	14.10%
100	22	148.211	147.842	0.369	0.25%	0.99%
100	23	148.543	148.083	0.460	0.31%	1.24%
100	24	148.921	146.356	2.565	1.72%	6.89%
100	25	150.090	147.900	2.189	1.46%	5.88%
100	26 U	146.782	146.866	-0.084	-0.06%	0.22%
100	27 U	152.510	152.328	0.182	0.12%	0.49%
100	28 U	152.156	152.398	-0.242	-0.16%	0.65%
100	29 U	147.994	148.113	-0.119	-0.08%	0.32%
100	30 U	149.944	150.117	-0.172	-0.12%	0.46%
	Max	152.510	152.476	4.839	3.18%	14.10%
	Average	149.593	149.448	0.145	0.09%	1.71%
	Min	146.031	146.275	-5.252	-3.57%	0.00%
	Std Dev	1.817	1.862	1.431	0.96%	3.45%



VDD=3.3V 1.29G VDD current P				
Test Site				
Tester				
Test Number				
Max Limit	168.0702094	mA		
Min Limit	130.8249866	mA		
kRad	0	30	50	100
LL	130.825	130.825	130.825	130.825
Min	147.872	147.601	146.275	146.356
Average	148.073	149.868	149.523	149.226
Max	148.275	152.476	152.058	152.398
UL	168.070	168.070	168.070	168.070

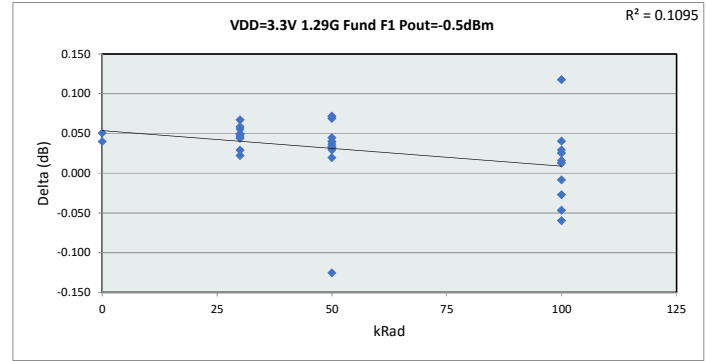


QMLP TID Report

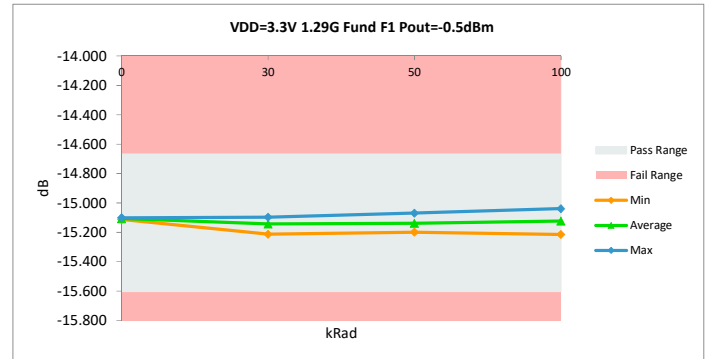
TRF0208 QMLP

VDD=3.3V 1.29G Fund F1 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.66308331	-14.66308331
Min Limit	-15.6025914	-15.6025914

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.062	-15.112	0.050	-0.33%	5.37%
0	C2	-15.061	-15.100	0.040	-0.26%	4.24%
30	1	-15.151	-15.210	0.058	-0.39%	6.22%
30	2	-15.082	-15.131	0.049	-0.32%	5.21%
30	3	-15.111	-15.157	0.046	-0.31%	4.92%
30	4	-15.082	-15.111	0.029	-0.19%	3.10%
30	5	-15.104	-15.126	0.022	-0.15%	2.36%
30	6 U	-15.033	-15.101	0.067	-0.45%	7.16%
30	7 U	-15.096	-15.151	0.055	-0.37%	5.89%
30	8 U	-15.095	-15.139	0.044	-0.29%	4.69%
30	9 U	-15.164	-15.213	0.049	-0.32%	5.22%
30	10 U	-15.046	-15.096	0.050	-0.33%	5.29%
50	11	-15.050	-15.070	0.020	-0.13%	2.08%
50	12	-15.100	-15.133	0.033	-0.22%	3.54%
50	13	-15.088	-15.125	0.037	-0.24%	3.89%
50	14	-15.166	-15.195	0.029	-0.19%	3.10%
50	15	-15.159	-15.199	0.040	-0.26%	4.26%
50	16 U	-15.065	-15.110	0.045	-0.30%	4.76%
50	17 U	-15.102	-15.174	0.072	-0.47%	7.63%
50	18 U	-15.132	-15.166	0.033	-0.22%	3.54%
50	19 U	-15.047	-15.116	0.069	-0.46%	7.32%
50	20 U	-15.219	-15.094	-0.125	0.82%	13.33%
100	21	-15.090	-15.208	0.118	-0.78%	12.53%
100	22	-15.124	-15.116	-0.008	0.06%	0.89%
100	23	-15.079	-15.051	-0.027	0.18%	2.88%
100	24	-15.098	-15.038	-0.060	0.40%	6.35%
100	25	-15.132	-15.086	-0.047	0.31%	4.97%
100	26 U	-15.097	-15.126	0.029	-0.19%	3.11%
100	27 U	-15.189	-15.215	0.025	-0.17%	2.70%
100	28 U	-15.123	-15.163	0.040	-0.27%	4.30%
100	29 U	-15.073	-15.086	0.013	-0.08%	1.36%
100	30 U	-15.117	-15.133	0.016	-0.11%	1.70%
	Max	-15.033	-15.038	0.118	0.82%	13.33%
	Average	-15.104	-15.133	0.028	-0.19%	4.81%
	Min	-15.219	-15.215	-0.125	-0.78%	0.89%
	Std Dev	0.043	0.047	0.044	0.29%	2.73%



VDD=3.3V 1.29G Fund F1 Pout=-				
Test Site				
Tester				
Test Number				
Max Limit	-14.66308331	dB		
Min Limit	-15.6025914	dB		
kRad	0	30	50	100
LL	-15.603	-15.603	-15.603	-15.603
Min	-15.112	-15.213	-15.199	-15.215
Average	-15.106	-15.144	-15.138	-15.122
Max	-15.100	-15.096	-15.070	-15.038
UL	-14.663	-14.663	-14.663	-14.663

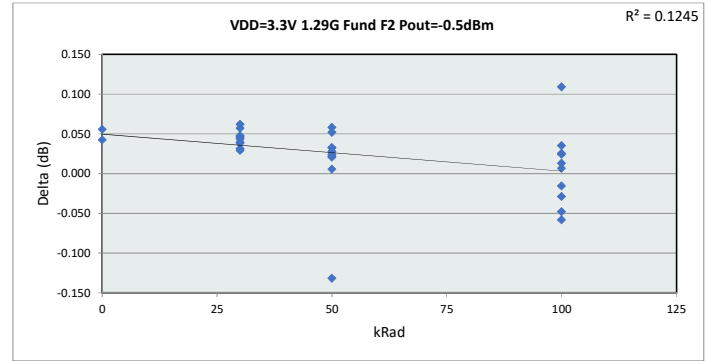


QMLP TID Report

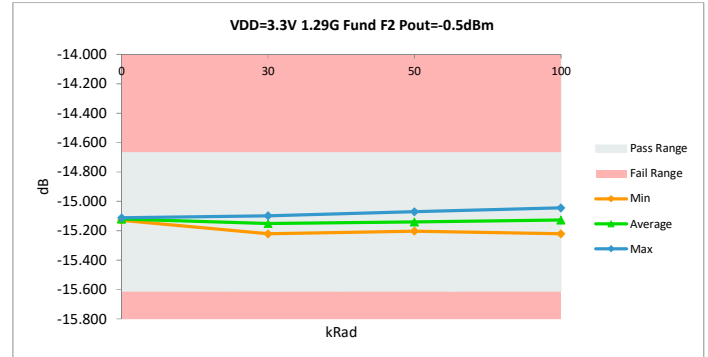
TRF0208 QMLP

VDD=3.3V 1.29G Fund F2 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.66507775	-14.66507775
Min Limit	-15.6108197	-15.6108197

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.073	-15.129	0.056	-0.37%	5.91%
0	C2	-15.070	-15.112	0.043	-0.28%	4.51%
30	1	-15.163	-15.221	0.057	-0.38%	6.06%
30	2	-15.095	-15.142	0.047	-0.31%	5.01%
30	3	-15.119	-15.167	0.048	-0.32%	5.04%
30	4	-15.092	-15.123	0.031	-0.21%	3.32%
30	5	-15.110	-15.140	0.029	-0.19%	3.10%
30	6 U	-15.047	-15.109	0.062	-0.41%	6.57%
30	7 U	-15.109	-15.155	0.046	-0.31%	4.89%
30	8 U	-15.107	-15.146	0.038	-0.25%	4.05%
30	9 U	-15.175	-15.219	0.044	-0.29%	4.61%
30	10 U	-15.058	-15.097	0.040	-0.26%	4.20%
50	11	-15.065	-15.071	0.006	-0.04%	0.61%
50	12	-15.110	-15.131	0.021	-0.14%	2.21%
50	13	-15.100	-15.125	0.024	-0.16%	2.57%
50	14	-15.175	-15.197	0.022	-0.15%	2.33%
50	15	-15.169	-15.202	0.033	-0.21%	3.45%
50	16 U	-15.078	-15.111	0.033	-0.22%	3.46%
50	17 U	-15.117	-15.176	0.058	-0.38%	6.15%
50	18 U	-15.143	-15.171	0.028	-0.18%	2.96%
50	19 U	-15.061	-15.113	0.052	-0.35%	5.51%
50	20 U	-15.230	-15.099	-0.132	0.86%	13.92%
100	21	-15.101	-15.210	0.109	-0.72%	11.55%
100	22	-15.132	-15.117	-0.015	0.10%	1.64%
100	23	-15.087	-15.058	-0.029	0.19%	3.04%
100	24	-15.103	-15.045	-0.058	0.38%	6.14%
100	25	-15.135	-15.087	-0.048	0.32%	5.06%
100	26 U	-15.109	-15.135	0.026	-0.17%	2.71%
100	27 U	-15.196	-15.221	0.024	-0.16%	2.58%
100	28 U	-15.131	-15.166	0.035	-0.23%	3.74%
100	29 U	-15.081	-15.088	0.007	-0.05%	0.72%
100	30 U	-15.121	-15.134	0.013	-0.09%	1.37%
	Max	-15.047	-15.045	0.109	0.86%	13.92%
	Average	-15.114	-15.138	0.023	-0.16%	4.34%
	Min	-15.230	-15.221	-0.132	-0.72%	0.61%
	Std Dev	0.043	0.047	0.043	0.28%	2.74%



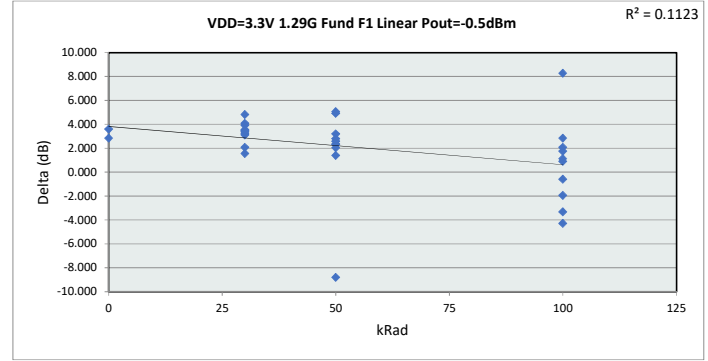
VDD=3.3V 1.29G Fund F2 Pout=-				
Test Site				
Tester				
Test Number				
Max Limit	-14.66507775	dB		
Min Limit	-15.6108197	dB		
kRad	0	30	50	100
LL	-15.611	-15.611	-15.611	-15.611
Min	-15.129	-15.221	-15.202	-15.221
Average	-15.121	-15.152	-15.139	-15.126
Max	-15.112	-15.097	-15.071	-15.045
UL	-14.665	-14.665	-14.665	-14.665



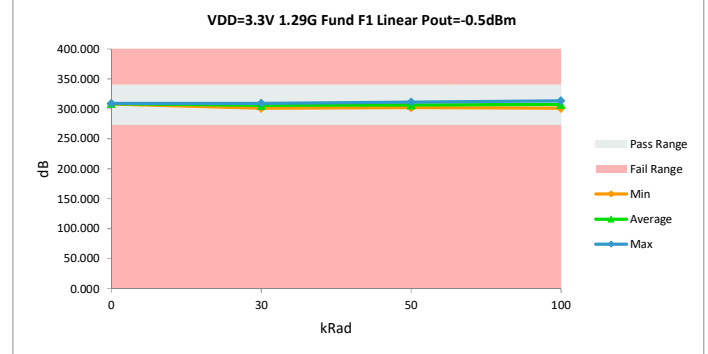
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G Fund F1 Linear		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	339.8648185	339.8648185
Min Limit	273.5734426	273.5734426

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	311.744	308.143	3.600	1.15%	5.43%
0	C2	311.852	309.006	2.845	0.91%	4.29%
30	1	305.412	301.328	4.084	1.34%	6.16%
30	2	310.292	306.815	3.477	1.12%	5.24%
30	3	308.263	304.998	3.265	1.06%	4.93%
30	4	310.288	308.214	2.074	0.67%	3.13%
30	5	308.723	307.153	1.571	0.51%	2.37%
30	6 U	313.802	308.979	4.823	1.54%	7.27%
30	7 U	309.323	305.407	3.916	1.27%	5.91%
30	8 U	309.382	306.262	3.120	1.01%	4.71%
30	9 U	304.533	301.112	3.421	1.12%	5.16%
30	10 U	312.872	309.310	3.562	1.14%	5.37%
50	11	312.603	311.199	1.405	0.45%	2.12%
50	12	309.059	306.704	2.355	0.76%	3.55%
50	13	309.875	307.280	2.595	0.84%	3.91%
50	14	304.376	302.339	2.037	0.67%	3.07%
50	15	304.883	302.089	2.794	0.92%	4.21%
50	16 U	311.500	308.307	3.194	1.03%	4.82%
50	17 U	308.889	303.830	5.059	1.64%	7.63%
50	18 U	306.726	304.387	2.339	0.76%	3.53%
50	19 U	312.802	307.887	4.915	1.57%	7.41%
50	20 U	300.666	309.464	-8.798	-2.93%	13.27%
100	21	309.753	301.471	8.282	2.67%	12.49%
100	22	307.320	307.913	-0.593	-0.19%	0.89%
100	23	310.561	312.500	-1.939	-0.62%	2.93%
100	24	309.163	313.439	-4.276	-1.38%	6.45%
100	25	306.747	310.060	-3.314	-1.08%	5.00%
100	26 U	309.247	307.171	2.076	0.67%	3.13%
100	27 U	302.738	300.975	1.763	0.58%	2.66%
100	28 U	307.398	304.553	2.845	0.93%	4.29%
100	29 U	310.925	310.013	0.912	0.29%	1.38%
100	30 U	307.831	306.703	1.128	0.37%	1.70%
	Max	313.802	313.439	8.282	2.67%	13.27%
	Average	308.736	306.719	2.017	0.65%	4.83%
	Min	300.666	300.975	-8.798	-2.93%	0.89%
	Std Dev	3.078	3.315	3.103	1.01%	2.72%



VDD=3.3V 1.29G Fund F1 Linear				
Test Site				
Tester				
Test Number				
Max Limit	339.8648185	dB		
Min Limit	273.5734426	dB		
kRad	0	30	50	100
LL	273.573	273.573	273.573	273.573
Min	308.143	301.112	302.089	300.975
Average	308.575	305.958	306.349	307.480
Max	309.006	309.310	311.199	313.439
UL	339.865	339.865	339.865	339.865



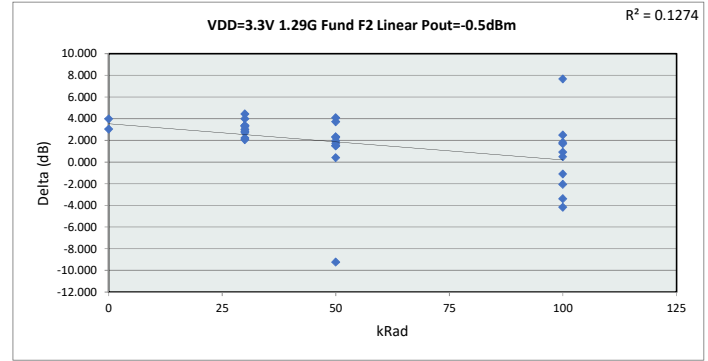
QMLP TID Report

TRF0208 QMLP

VDD=3.3V 1.29G Fund F2 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	339.6861244	339.6861244
Min Limit	273.0310387	273.0310387

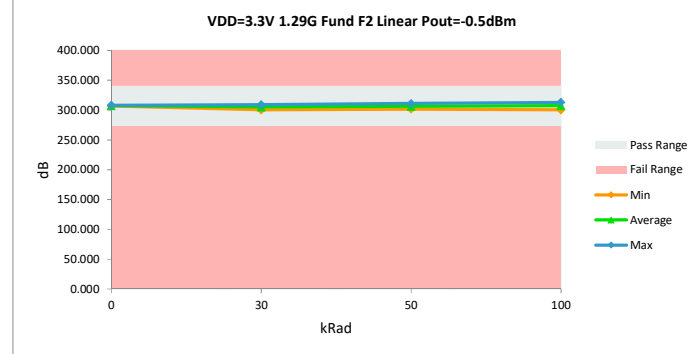
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	310.949	306.971	3.979	1.28%	5.97%
0	C2	311.197	308.158	3.040	0.98%	4.56%
30	1	304.546	300.554	3.992	1.31%	5.99%
30	2	309.395	306.035	3.359	1.09%	5.04%
30	3	307.664	304.307	3.357	1.09%	5.04%
30	4	309.593	307.362	2.231	0.72%	3.35%
30	5	308.295	306.220	2.076	0.67%	3.11%
30	6 U	312.858	308.412	4.446	1.42%	6.67%
30	7 U	308.416	305.148	3.268	1.06%	4.90%
30	8 U	308.510	305.803	2.707	0.88%	4.06%
30	9 U	303.730	300.695	3.035	1.00%	4.55%
30	10 U	312.065	309.222	2.843	0.91%	4.26%
50	11	311.536	311.125	0.411	0.13%	0.62%
50	12	308.289	306.808	1.482	0.48%	2.22%
50	13	309.001	307.277	1.724	0.56%	2.59%
50	14	303.747	302.207	1.541	0.51%	2.31%
50	15	304.136	301.863	2.273	0.75%	3.41%
50	16 U	310.575	308.243	2.332	0.75%	3.50%
50	17 U	307.790	303.694	4.096	1.33%	6.14%
50	18 U	305.974	304.007	1.966	0.64%	2.95%
50	19 U	311.845	308.129	3.716	1.19%	5.58%
50	20 U	299.900	309.129	-9.230	-3.08%	13.85%
100	21	308.989	301.314	7.675	2.48%	11.51%
100	22	306.728	307.824	-1.096	-0.36%	1.64%
100	23	309.975	312.033	-2.058	-0.66%	3.09%
100	24	308.828	312.987	-4.159	-1.35%	6.24%
100	25	306.560	309.954	-3.394	-1.11%	5.09%
100	26 U	308.381	306.568	1.814	0.59%	2.72%
100	27 U	302.249	300.554	1.695	0.56%	2.54%
100	28 U	306.833	304.342	2.491	0.81%	3.74%
100	29 U	310.405	309.920	0.485	0.16%	0.73%
100	30 U	307.529	306.610	0.918	0.30%	1.38%
	Max	312.858	312.987	7.675	2.48%	13.85%
	Average	308.015	306.359	1.657	0.53%	4.35%
	Min	299.900	300.554	-9.230	-3.08%	0.62%
	Std Dev	3.016	3.333	3.030	0.99%	2.73%



VDD=3.3V 1.29G Fund F2 Linear

Test Site		
Tester		
Test Number		
Max Limit	339.6861244	dB
Min Limit	273.0310387	dB

kRad	0	30	50	100
LL	273.031	273.031	273.031	273.031
Min	306.971	300.554	301.863	300.554
Average	307.564	305.376	306.248	307.211
Max	308.158	309.222	311.125	312.987
UL	339.686	339.686	339.686	339.686

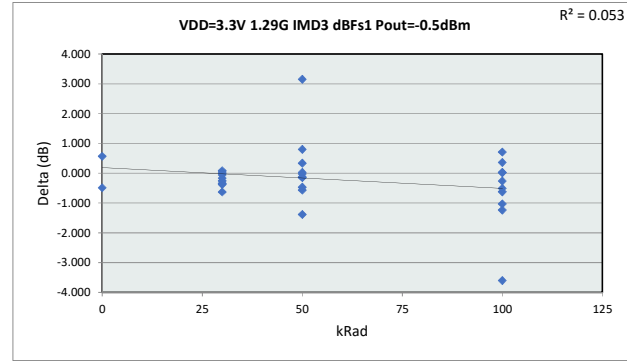


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G IMD3 dBFs1 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-78.93825114	-78.93825114
Min Limit	-103.9016579	-103.9016579

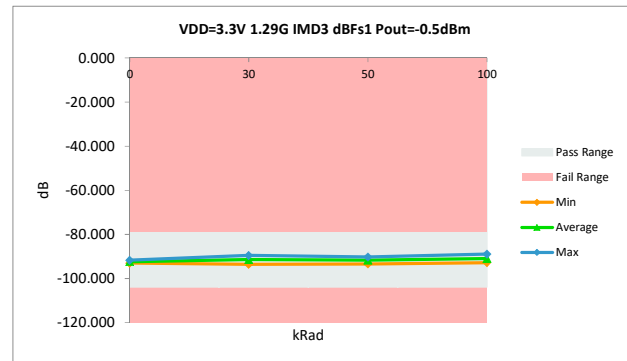
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-92.440	-93.010	0.570	-0.62%	2.28%
0	C2	-92.234	-91.744	-0.490	0.53%	1.96%
30	1	-89.962	-89.587	-0.376	0.42%	1.51%
30	2	-90.594	-90.540	-0.054	0.06%	0.22%
30	3	-90.669	-90.414	-0.255	0.28%	1.02%
30	4	-93.562	-93.599	0.037	-0.04%	0.15%
30	5	-93.000	-92.994	-0.006	0.01%	0.02%
30	6 U	-93.153	-92.813	-0.340	0.36%	1.36%
30	7 U	-91.520	-91.604	0.083	-0.09%	0.33%
30	8 U	-91.515	-91.349	-0.166	0.18%	0.66%
30	9 U	-90.757	-90.396	-0.361	0.40%	1.45%
30	10 U	-91.371	-90.743	-0.628	0.69%	2.51%
50	11	-90.585	-91.383	0.799	-0.88%	3.20%
50	12	-92.941	-92.919	-0.022	0.02%	0.09%
50	13	-92.192	-92.061	-0.131	0.14%	0.52%
50	14	-90.544	-90.881	0.336	-0.37%	1.35%
50	15	-90.414	-90.265	-0.149	0.16%	0.60%
50	16 U	-91.058	-91.082	0.025	-0.03%	0.10%
50	17 U	-93.680	-92.295	-1.386	1.48%	5.55%
50	18 U	-90.982	-90.419	-0.563	0.62%	2.26%
50	19 U	-92.612	-92.142	-0.470	0.51%	1.88%
50	20 U	-90.214	-93.366	3.153	-3.49%	12.63%
100	21	-94.164	-90.562	-3.601	3.82%	14.43%
100	22	-92.358	-92.720	0.361	-0.39%	1.45%
100	23	-90.712	-90.733	0.021	-0.02%	0.08%
100	24	-92.988	-91.753	-1.235	1.33%	4.95%
100	25	-92.083	-92.790	0.707	-0.77%	2.83%
100	26 U	-92.598	-92.338	-0.261	0.28%	1.04%
100	27 U	-89.934	-89.962	0.028	-0.03%	0.11%
100	28 U	-89.477	-88.970	-0.506	0.57%	2.03%
100	29 U	-91.885	-90.854	-1.032	1.12%	4.13%
100	30 U	-89.775	-89.150	-0.625	0.70%	2.50%
	Max	-89.477	-88.970	3.153	3.82%	14.43%
	Average	-91.624	-91.420	-0.204	0.22%	2.35%
	Min	-94.164	-93.599	-3.601	-3.49%	0.02%
	Std Dev	1.271	1.248	0.987	1.07%	3.26%



VDD=3.3V 1.29G IMD3 dBFs1

Test Site		
Tester		
Test Number		
Max Limit	-78.93825114	dB
Min Limit	-103.9016579	dB

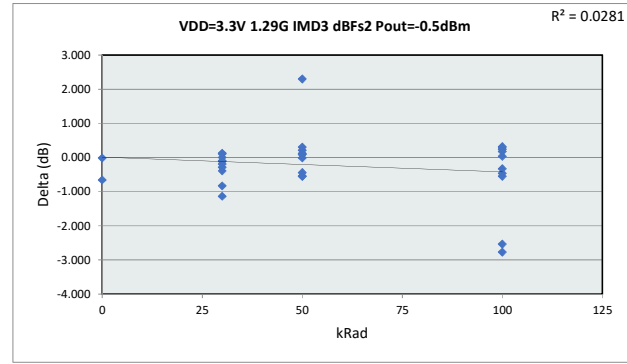
kRad	0	30	50	100
LL	-103.902	-103.902	-103.902	-103.902
Min	-93.010	-93.599	-93.366	-92.790
Average	-92.377	-91.404	-91.681	-90.983
Max	-91.744	-89.587	-90.265	-88.970
UL	-78.938	-78.938	-78.938	-78.938



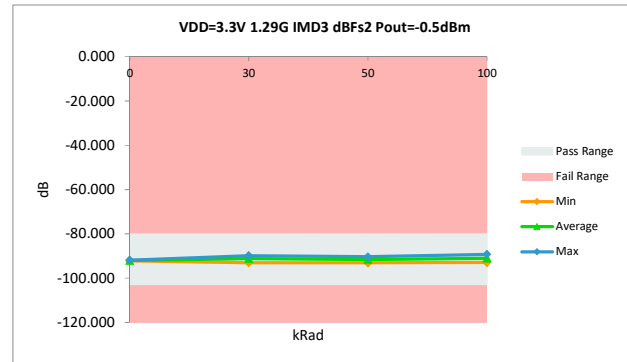
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G IMD3 dBFs2 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-79.77737583	-79.77737583
Min Limit	-102.9011248	-102.9011248

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-92.821	-92.167	-0.654	0.70%	2.83%
0	C2	-91.862	-91.848	-0.014	0.02%	0.06%
30	1	-90.008	-89.897	-0.111	0.12%	0.48%
30	2	-90.603	-90.604	0.001	0.00%	0.01%
30	3	-90.431	-90.538	0.107	-0.12%	0.46%
30	4	-93.163	-92.972	-0.191	0.20%	0.82%
30	5	-93.025	-92.741	-0.284	0.31%	1.23%
30	6 U	-92.983	-93.107	0.124	-0.13%	0.54%
30	7 U	-90.751	-90.655	-0.097	0.11%	0.42%
30	8 U	-91.807	-90.979	-0.828	0.90%	3.58%
30	9 U	-91.344	-90.214	-1.130	1.24%	4.89%
30	10 U	-91.136	-90.744	-0.392	0.43%	1.69%
50	11	-91.065	-91.283	0.218	-0.24%	0.94%
50	12	-93.417	-92.868	-0.549	0.59%	2.37%
50	13	-92.041	-91.498	-0.544	0.59%	2.35%
50	14	-90.404	-90.499	0.095	-0.11%	0.41%
50	15	-90.228	-90.533	0.306	-0.34%	1.32%
50	16 U	-91.559	-91.644	0.086	-0.09%	0.37%
50	17 U	-92.784	-92.907	0.123	-0.13%	0.53%
50	18 U	-90.358	-90.349	-0.009	0.01%	0.04%
50	19 U	-91.975	-91.535	-0.440	0.48%	1.90%
50	20 U	-90.815	-93.119	2.303	-2.54%	9.96%
100	21	-93.628	-90.859	-2.769	2.96%	11.98%
100	22	-92.983	-93.018	0.035	-0.04%	0.15%
100	23	-90.369	-90.611	0.242	-0.27%	1.05%
100	24	-93.981	-91.447	-2.534	2.70%	10.96%
100	25	-92.515	-92.694	0.179	-0.19%	0.77%
100	26 U	-91.890	-92.208	0.318	-0.35%	1.38%
100	27 U	-89.813	-89.267	-0.546	0.61%	2.36%
100	28 U	-89.219	-89.502	0.282	-0.32%	1.22%
100	29 U	-91.316	-90.856	-0.460	0.50%	1.99%
100	30 U	-90.019	-89.691	-0.327	0.36%	1.42%
	Max	-89.219	-89.267	2.303	2.96%	11.98%
	Average	-91.572	-91.339	-0.233	0.25%	2.20%
	Min	-93.981	-93.119	-2.769	-2.54%	0.01%
	Std Dev	1.273	1.156	0.847	0.91%	3.07%



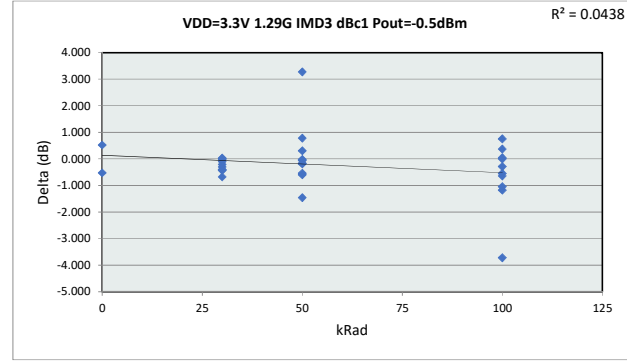
VDD=3.3V 1.29G IMD3 dBFs2				
Test Site				
Tester				
Test Number				
Max Limit	-79.77737583		dB	
Min Limit	-102.9011248		dB	
kRad	0	30	50	100
LL	-102.901	-102.901	-102.901	-102.901
Min	-92.167	-93.107	-93.119	-93.018
Average	-92.007	-91.245	-91.624	-91.015
Max	-91.848	-89.897	-90.349	-89.267
UL	-79.777	-79.777	-79.777	-79.777



QMLP TID Report
TRF0208 QMLP

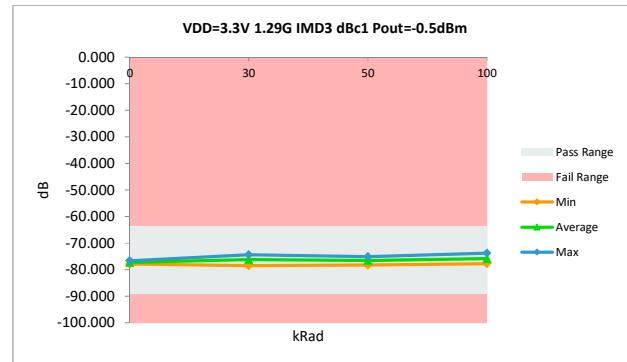
VDD=3.3V 1.29G IMD3 dBc1 Pout	
Test Site	
Tester	
Test Number	
Unit	
Max Limit	-63.57836371
Min Limit	-88.99586935

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-77.378	-77.898	0.519	-0.67%	2.04%
0	C2	-77.173	-76.644	-0.529	0.69%	2.08%
30	1	-74.811	-74.377	-0.434	0.58%	1.71%
30	2	-75.511	-75.408	-0.103	0.14%	0.41%
30	3	-75.558	-75.257	-0.301	0.40%	1.19%
30	4	-78.479	-78.487	0.008	-0.01%	0.03%
30	5	-77.896	-77.868	-0.028	0.04%	0.11%
30	6 U	-78.120	-77.713	-0.407	0.52%	1.60%
30	7 U	-76.425	-76.452	0.028	-0.04%	0.11%
30	8 U	-76.420	-76.210	-0.210	0.27%	0.83%
30	9 U	-75.593	-75.183	-0.410	0.54%	1.61%
30	10 U	-76.325	-75.647	-0.678	0.89%	2.67%
50	11	-75.535	-76.314	0.779	-1.03%	3.07%
50	12	-77.841	-77.786	-0.055	0.07%	0.22%
50	13	-77.104	-76.937	-0.167	0.22%	0.66%
50	14	-75.379	-75.686	0.307	-0.41%	1.21%
50	15	-75.255	-75.067	-0.189	0.25%	0.74%
50	16 U	-75.992	-75.972	-0.020	0.03%	0.08%
50	17 U	-78.578	-77.121	-1.457	1.85%	5.73%
50	18 U	-75.850	-75.254	-0.596	0.79%	2.35%
50	19 U	-77.565	-77.026	-0.539	0.69%	2.12%
50	20 U	-74.994	-78.273	3.278	-4.37%	12.90%
100	21	-79.074	-75.355	-3.719	4.70%	14.63%
100	22	-77.234	-77.604	0.370	-0.48%	1.45%
100	23	-75.633	-75.681	0.048	-0.06%	0.19%
100	24	-77.890	-76.715	-1.175	1.51%	4.62%
100	25	-76.950	-77.704	0.754	-0.98%	2.97%
100	26 U	-77.501	-77.211	-0.290	0.37%	1.14%
100	27 U	-74.744	-74.747	0.003	0.00%	0.01%
100	28 U	-74.354	-73.807	-0.547	0.74%	2.15%
100	29 U	-76.812	-75.767	-1.045	1.36%	4.11%
100	30 U	-74.658	-74.017	-0.641	0.86%	2.52%
	Max	-74.354	-73.807	3.278	4.70%	14.63%
	Average	-76.520	-76.287	-0.233	0.30%	2.41%
	Min	-79.074	-78.487	-3.719	-4.37%	0.01%
	Std Dev	1.293	1.271	1.017	1.32%	3.29%



VDD=3.3V 1.29G IMD3 dBc1 Pout	
Test Site	
Tester	
Test Number	
Max Limit	-63.57836371
Min Limit	-88.99586935

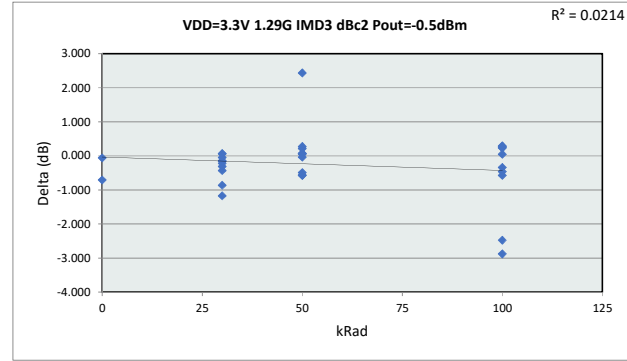
kRad	0	30	50	100
LL	-88.996	-88.996	-88.996	-88.996
Min	-77.898	-78.487	-78.273	-77.704
Average	-77.271	-76.260	-76.543	-75.861
Max	-76.644	-74.377	-75.067	-73.807
UL	-63.578	-63.578	-63.578	-63.578



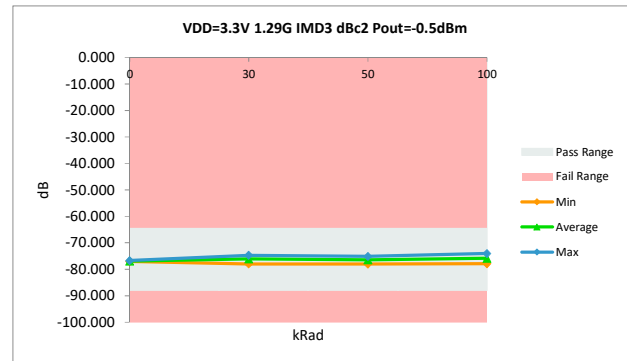
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G IMD3 dBc2 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-64.41616431	-64.41616431
Min Limit	-87.98643884	-87.98643884

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-77.747	-77.038	-0.710	0.91%	3.01%
0	C2	-76.792	-76.736	-0.057	0.07%	0.24%
30	1	-74.845	-74.677	-0.168	0.22%	0.71%
30	2	-75.508	-75.462	-0.046	0.06%	0.20%
30	3	-75.312	-75.371	0.060	-0.08%	0.25%
30	4	-78.071	-77.848	-0.222	0.28%	0.94%
30	5	-77.915	-77.602	-0.313	0.40%	1.33%
30	6 U	-77.936	-77.998	0.062	-0.08%	0.26%
30	7 U	-75.643	-75.500	-0.143	0.19%	0.61%
30	8 U	-76.700	-75.834	-0.866	1.13%	3.67%
30	9 U	-76.169	-74.995	-1.174	1.54%	4.98%
30	10 U	-76.078	-75.647	-0.432	0.57%	1.83%
50	11	-76.000	-76.213	0.212	-0.28%	0.90%
50	12	-78.307	-77.737	-0.570	0.73%	2.42%
50	13	-76.941	-76.373	-0.568	0.74%	2.41%
50	14	-75.229	-75.302	0.073	-0.10%	0.31%
50	15	-75.058	-75.331	0.273	-0.36%	1.16%
50	16 U	-76.480	-76.533	0.053	-0.07%	0.22%
50	17 U	-77.667	-77.732	0.065	-0.08%	0.27%
50	18 U	-75.215	-75.178	-0.037	0.05%	0.16%
50	19 U	-76.915	-76.423	-0.492	0.64%	2.09%
50	20 U	-75.585	-78.020	2.435	-3.22%	10.33%
100	21	-78.527	-75.649	-2.879	3.67%	12.21%
100	22	-77.850	-77.901	0.051	-0.07%	0.22%
100	23	-75.282	-75.553	0.271	-0.36%	1.15%
100	24	-78.878	-76.402	-2.476	3.14%	10.50%
100	25	-77.380	-77.606	0.227	-0.29%	0.96%
100	26 U	-76.781	-77.074	0.292	-0.38%	1.24%
100	27 U	-74.617	-74.046	-0.570	0.76%	2.42%
100	28 U	-74.088	-74.335	0.247	-0.33%	1.05%
100	29 U	-76.235	-75.768	-0.467	0.61%	1.98%
100	30 U	-74.897	-74.557	-0.340	0.45%	1.44%
	Max	-74.088	-74.046	2.435	3.67%	12.21%
	Average	-76.458	-76.201	-0.257	0.33%	2.23%
	Min	-78.878	-78.020	-2.879	-3.22%	0.16%
	Std Dev	1.291	1.179	0.866	1.12%	3.09%



VDD=3.3V 1.29G IMD3 dBc2 Pout=-0.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-64.41616431			dB
Min Limit	-87.98643884			dB
kRad	0	30	50	100
LL	-87.986	-87.986	-87.986	-87.986
Min	-77.038	-77.998	-78.020	-77.901
Average	-76.887	-76.093	-76.484	-75.889
Max	-76.736	-74.677	-75.178	-74.046
UL	-64.416	-64.416	-64.416	-64.416

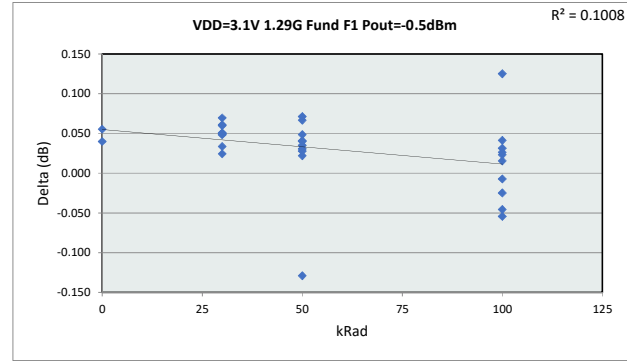


QMLP TID Report

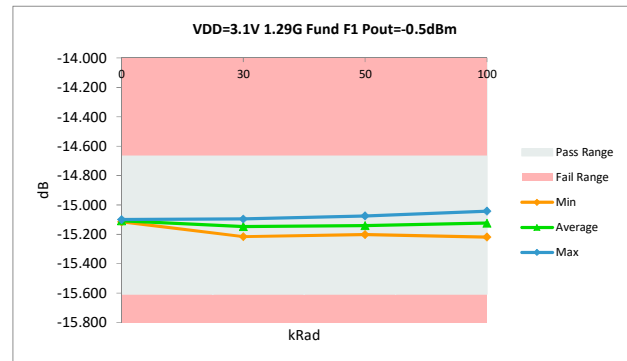
TRF0208 QMLP

VDD=3.1V 1.29G Fund F1 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.6635771	-14.6635771
Min Limit	-15.60594205	-15.60594205

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.059	-15.115	0.055	-0.37%	5.87%
0	C2	-15.059	-15.099	0.040	-0.27%	4.24%
30	1	-15.154	-15.214	0.061	-0.40%	6.46%
30	2	-15.084	-15.134	0.051	-0.34%	5.37%
30	3	-15.111	-15.161	0.049	-0.33%	5.25%
30	4	-15.081	-15.115	0.034	-0.22%	3.56%
30	5	-15.105	-15.129	0.025	-0.16%	2.60%
30	6 U	-15.031	-15.101	0.070	-0.46%	7.38%
30	7 U	-15.095	-15.155	0.060	-0.40%	6.37%
30	8 U	-15.094	-15.145	0.051	-0.34%	5.40%
30	9 U	-15.165	-15.215	0.050	-0.33%	5.27%
30	10 U	-15.047	-15.096	0.048	-0.32%	5.14%
50	11	-15.053	-15.075	0.022	-0.15%	2.33%
50	12	-15.098	-15.129	0.031	-0.20%	3.26%
50	13	-15.086	-15.126	0.040	-0.27%	4.28%
50	14	-15.166	-15.194	0.028	-0.18%	2.95%
50	15	-15.160	-15.201	0.041	-0.27%	4.32%
50	16 U	-15.068	-15.116	0.049	-0.32%	5.16%
50	17 U	-15.103	-15.175	0.071	-0.47%	7.56%
50	18 U	-15.134	-15.169	0.035	-0.23%	3.71%
50	19 U	-15.047	-15.114	0.067	-0.44%	7.07%
50	20 U	-15.222	-15.093	-0.129	0.85%	13.69%
100	21	-15.083	-15.208	0.125	-0.83%	13.28%
100	22	-15.124	-15.116	-0.007	0.05%	0.77%
100	23	-15.080	-15.056	-0.025	0.16%	2.63%
100	24	-15.096	-15.042	-0.054	0.36%	5.77%
100	25	-15.128	-15.083	-0.046	0.30%	4.84%
100	26 U	-15.098	-15.129	0.031	-0.21%	3.33%
100	27 U	-15.192	-15.219	0.026	-0.17%	2.79%
100	28 U	-15.122	-15.163	0.041	-0.27%	4.38%
100	29 U	-15.074	-15.089	0.016	-0.10%	1.65%
100	30 U	-15.115	-15.138	0.023	-0.15%	2.47%
Max		-15.031	-15.042	0.125	0.85%	13.69%
Average		-15.104	-15.135	0.031	-0.20%	4.97%
Min		-15.222	-15.219	-0.129	-0.83%	0.77%
Std Dev		0.044	0.047	0.045	0.30%	2.79%



VDD=3.1V 1.29G Fund F1 Pout=-				
Test Site				
Tester				
Test Number				
Max Limit	-14.6635771	dB		
Min Limit	-15.60594205	dB		
kRad	0	30	50	100
LL	-15.606	-15.606	-15.606	-15.606
Min	-15.115	-15.215	-15.201	-15.219
Average	-15.107	-15.146	-15.139	-15.124
Max	-15.099	-15.096	-15.075	-15.042
UL	-14.664	-14.664	-14.664	-14.664

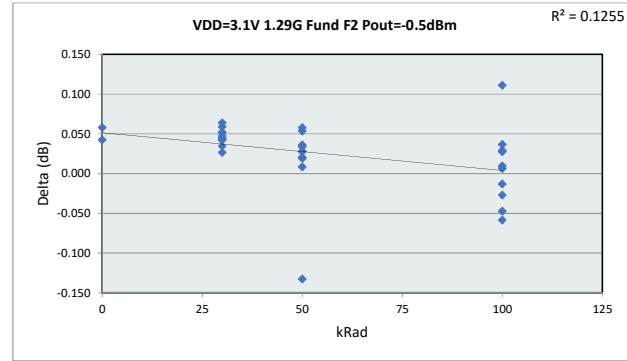


QMLP TID Report

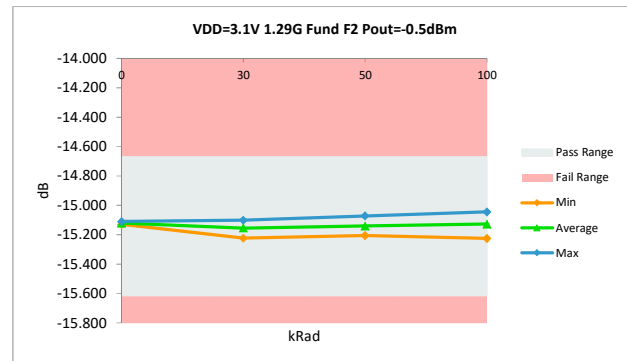
TRF0208 QMLP

VDD=3.1V 1.29G Fund F2 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.66481761	-14.66481761
Min Limit	-15.61431088	-15.61431088

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.072	-15.130	0.058	-0.39%	6.11%
0	C2	-15.068	-15.110	0.043	-0.28%	4.48%
30	1	-15.164	-15.223	0.059	-0.39%	6.21%
30	2	-15.092	-15.144	0.052	-0.35%	5.50%
30	3	-15.121	-15.165	0.045	-0.30%	4.70%
30	4	-15.093	-15.128	0.035	-0.23%	3.66%
30	5	-15.115	-15.141	0.027	-0.18%	2.81%
30	6 U	-15.046	-15.110	0.064	-0.43%	6.76%
30	7 U	-15.106	-15.158	0.051	-0.34%	5.42%
30	8 U	-15.107	-15.149	0.042	-0.28%	4.43%
30	9 U	-15.175	-15.222	0.047	-0.31%	5.00%
30	10 U	-15.057	-15.101	0.044	-0.29%	4.62%
50	11	-15.064	-15.072	0.009	-0.06%	0.91%
50	12	-15.109	-15.130	0.021	-0.14%	2.18%
50	13	-15.098	-15.126	0.028	-0.19%	2.96%
50	14	-15.177	-15.196	0.019	-0.13%	2.02%
50	15	-15.170	-15.204	0.034	-0.22%	3.59%
50	16 U	-15.082	-15.118	0.036	-0.24%	3.79%
50	17 U	-15.120	-15.178	0.058	-0.38%	6.09%
50	18 U	-15.144	-15.172	0.028	-0.18%	2.93%
50	19 U	-15.059	-15.113	0.054	-0.36%	5.66%
50	20 U	-15.232	-15.100	-0.132	0.87%	13.95%
100	21	-15.098	-15.209	0.111	-0.74%	11.70%
100	22	-15.133	-15.120	-0.013	0.09%	1.36%
100	23	-15.087	-15.060	-0.027	0.18%	2.85%
100	24	-15.103	-15.044	-0.058	0.39%	6.14%
100	25	-15.133	-15.086	-0.047	0.31%	4.98%
100	26 U	-15.108	-15.138	0.029	-0.19%	3.09%
100	27 U	-15.197	-15.224	0.028	-0.18%	2.91%
100	28 U	-15.132	-15.169	0.037	-0.24%	3.87%
100	29 U	-15.083	-15.090	0.007	-0.04%	0.70%
100	30 U	-15.124	-15.134	0.010	-0.06%	1.03%
	Max	-15.046	-15.044	0.111	0.87%	13.95%
	Average	-15.115	-15.140	0.025	-0.16%	4.45%
	Min	-15.232	-15.224	-0.132	-0.74%	0.70%
	Std Dev	0.043	0.047	0.044	0.29%	2.78%



VDD=3.1V 1.29G Fund F2 Pout=-				
Test Site				
Tester				
Test Number				
Max Limit	-14.66481761	dB		
Min Limit	-15.61431088	dB		
kRad	0	30	50	100
LL	-15.614	-15.614	-15.614	-15.614
Min	-15.130	-15.223	-15.204	-15.224
Average	-15.120	-15.154	-15.141	-15.127
Max	-15.110	-15.101	-15.072	-15.044
UL	-14.665	-14.665	-14.665	-14.665

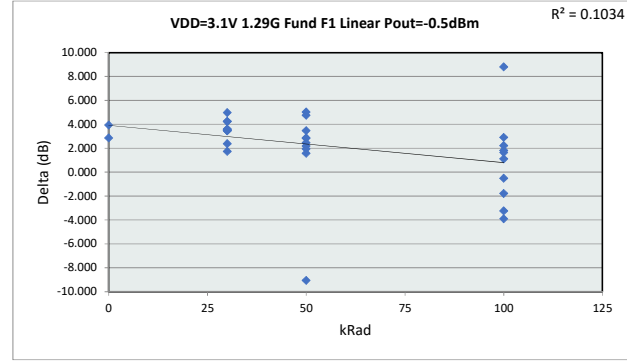


QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G Fund F1 Linea

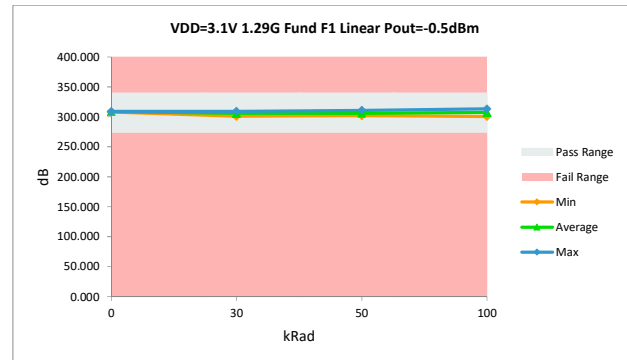
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	339.8103067	339.8103067
Min Limit	273.3567008	273.3567008

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	311.940	307.995	3.945	1.26%	5.94%
0	C2	311.951	309.092	2.859	0.92%	4.30%
30	1	305.245	300.993	4.251	1.39%	6.40%
30	2	310.176	306.585	3.592	1.16%	5.40%
30	3	308.237	304.748	3.489	1.13%	5.25%
30	4	310.381	307.992	2.388	0.77%	3.59%
30	5	308.696	306.958	1.738	0.56%	2.62%
30	6 U	313.973	308.984	4.989	1.59%	7.51%
30	7 U	309.378	305.130	4.248	1.37%	6.39%
30	8 U	309.443	305.839	3.605	1.16%	5.42%
30	9 U	304.424	300.963	3.461	1.14%	5.21%
30	10 U	312.819	309.350	3.469	1.11%	5.22%
50	11	312.418	310.839	1.578	0.51%	2.38%
50	12	309.159	306.977	2.182	0.71%	3.28%
50	13	310.061	307.193	2.868	0.93%	4.32%
50	14	304.371	302.427	1.944	0.64%	2.93%
50	15	304.799	301.956	2.843	0.93%	4.28%
50	16 U	311.327	307.859	3.468	1.11%	5.22%
50	17 U	308.782	303.757	5.025	1.63%	7.56%
50	18 U	306.609	304.151	2.458	0.80%	3.70%
50	19 U	312.794	308.029	4.765	1.52%	7.17%
50	20 U	300.449	309.508	-9.059	-3.02%	13.63%
100	21	310.240	301.428	8.812	2.84%	13.26%
100	22	307.345	307.858	-0.513	-0.17%	0.77%
100	23	310.431	312.210	-1.779	-0.57%	2.68%
100	24	309.286	313.184	-3.898	-1.26%	5.87%
100	25	307.038	310.276	-3.239	-1.05%	4.87%
100	26 U	309.187	306.964	2.223	0.72%	3.35%
100	27 U	302.536	300.710	1.826	0.60%	2.75%
100	28 U	307.492	304.583	2.910	0.95%	4.38%
100	29 U	310.897	309.788	1.108	0.36%	1.67%
100	30 U	307.992	306.345	1.647	0.53%	2.48%
	Max	313.973	313.184	8.812	2.84%	13.63%
	Average	308.746	306.584	2.163	0.70%	4.99%
	Min	300.449	300.710	-9.059	-3.02%	0.77%
	Std Dev	3.129	3.323	3.156	1.03%	2.78%



VDD=3.1V 1.29G Fund F1 Line

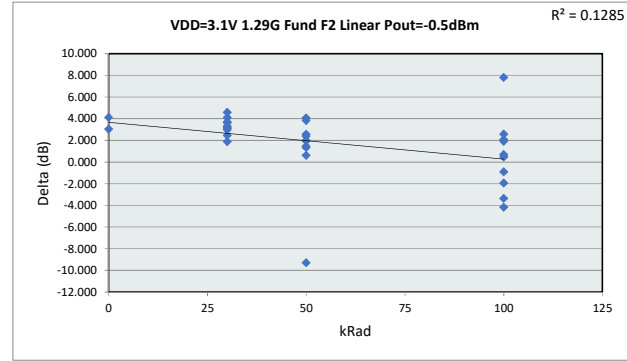
Test Site				
Tester				
Test Number				
Max Limit	339.8103067	dB		
Min Limit	273.3567008	dB		
kRad	0	30	50	100
LL	273.357	273.357	273.357	273.357
Min	307.995	300.963	301.956	300.710
Average	308.543	305.754	306.270	307.335
Max	309.092	309.350	310.839	313.184
UL	339.810	339.810	339.810	339.810



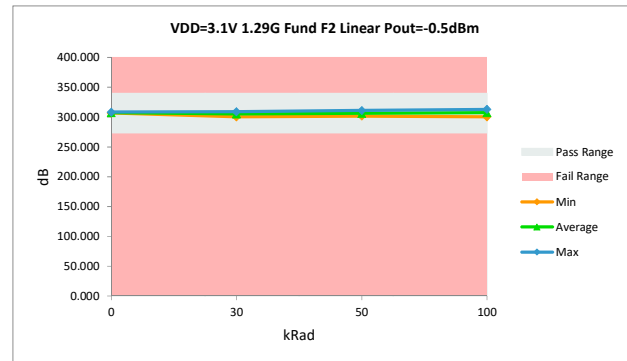
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G Fund F2 Linear		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	339.6935235	339.6935235
Min Limit	272.7960376	272.7960376

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	311.029	306.899	4.130	1.33%	6.17%
0	C2	311.326	308.288	3.037	0.98%	4.54%
30	1	304.487	300.379	4.108	1.35%	6.14%
30	2	309.578	305.881	3.697	1.19%	5.53%
30	3	307.554	304.408	3.146	1.02%	4.70%
30	4	309.528	307.063	2.465	0.80%	3.68%
30	5	307.985	306.096	1.888	0.61%	2.82%
30	6 U	312.878	308.291	4.587	1.47%	6.86%
30	7 U	308.574	304.939	3.636	1.18%	5.44%
30	8 U	308.521	305.550	2.971	0.96%	4.44%
30	9 U	303.774	300.472	3.301	1.09%	4.93%
30	10 U	312.110	308.973	3.137	1.01%	4.69%
50	11	311.620	311.004	0.616	0.20%	0.92%
50	12	308.367	306.900	1.467	0.48%	2.19%
50	13	309.173	307.176	1.996	0.65%	2.98%
50	14	303.597	302.262	1.335	0.44%	2.00%
50	15	304.075	301.695	2.380	0.78%	3.56%
50	16 U	310.292	307.733	2.559	0.82%	3.82%
50	17 U	307.611	303.545	4.065	1.32%	6.08%
50	18 U	305.922	303.968	1.953	0.64%	2.92%
50	19 U	311.941	308.105	3.836	1.23%	5.73%
50	20 U	299.773	309.057	-9.284	-3.10%	13.88%
100	21	309.175	301.366	7.809	2.53%	11.67%
100	22	306.704	307.620	-0.916	-0.30%	1.37%
100	23	309.967	311.902	-1.936	-0.62%	2.89%
100	24	308.835	313.009	-4.175	-1.35%	6.24%
100	25	306.690	310.047	-3.358	-1.09%	5.02%
100	26 U	308.427	306.353	2.075	0.67%	3.10%
100	27 U	302.223	300.309	1.914	0.63%	2.86%
100	28 U	306.765	304.180	2.585	0.84%	3.86%
100	29 U	310.234	309.760	0.474	0.15%	0.71%
100	30 U	307.292	306.602	0.690	0.22%	1.03%
	Max	312.878	313.009	7.809	2.53%	13.88%
	Average	308.001	306.245	1.756	0.57%	4.46%
	Min	299.773	300.309	-9.284	-3.10%	0.71%
	Std Dev	3.053	3.345	3.074	1.01%	2.77%



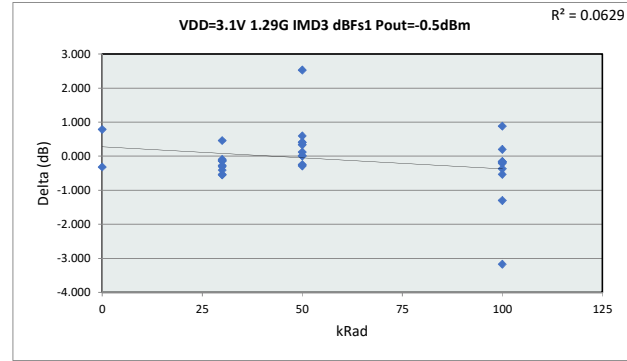
VDD=3.1V 1.29G Fund F2 Linear				
Test Site				
Tester				
Test Number				
Max Limit	339.6935235		dB	
Min Limit	272.7960376		dB	
kRad	0	30	50	100
LL	272.796	272.796	272.796	272.796
Min	306.899	300.379	301.695	300.309
Average	307.594	305.205	306.145	307.115
Max	308.288	308.973	311.004	313.009
UL	339.694	339.694	339.694	339.694



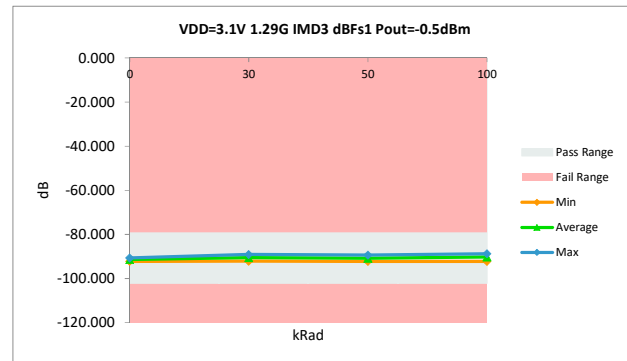
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G IMD3 dBFs1 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-78.98979006	-78.98979006
Min Limit	-102.2219452	-102.2219452

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-91.454	-92.239	0.785	-0.86%	3.38%
0	C2	-91.009	-90.691	-0.318	0.35%	1.37%
30	1	-89.435	-89.126	-0.309	0.35%	1.33%
30	2	-90.323	-89.782	-0.541	0.60%	2.33%
30	3	-89.716	-89.578	-0.138	0.15%	0.59%
30	4	-92.265	-92.171	-0.094	0.10%	0.41%
30	5	-92.077	-91.529	-0.548	0.59%	2.36%
30	6 U	-92.196	-92.058	-0.139	0.15%	0.60%
30	7 U	-90.228	-90.688	0.460	-0.51%	1.98%
30	8 U	-90.771	-90.498	-0.273	0.30%	1.18%
30	9 U	-90.732	-90.322	-0.410	0.45%	1.77%
30	10 U	-89.886	-89.749	-0.137	0.15%	0.59%
50	11	-90.299	-90.306	0.006	-0.01%	0.03%
50	12	-91.836	-92.245	0.409	-0.44%	1.76%
50	13	-90.870	-90.884	0.014	-0.02%	0.06%
50	14	-89.439	-89.558	0.119	-0.13%	0.51%
50	15	-89.708	-89.424	-0.284	0.32%	1.22%
50	16 U	-90.488	-90.242	-0.246	0.27%	1.06%
50	17 U	-91.906	-92.239	0.333	-0.36%	1.44%
50	18 U	-89.375	-89.968	0.594	-0.66%	2.56%
50	19 U	-91.210	-91.618	0.408	-0.45%	1.76%
50	20 U	-89.607	-92.134	2.527	-2.82%	10.88%
100	21	-92.687	-89.516	-3.171	3.42%	13.65%
100	22	-92.182	-92.003	-0.179	0.19%	0.77%
100	23	-89.775	-89.613	-0.161	0.18%	0.69%
100	24	-92.417	-91.120	-1.297	1.40%	5.58%
100	25	-91.383	-92.264	0.881	-0.96%	3.79%
100	26 U	-91.339	-91.181	-0.158	0.17%	0.68%
100	27 U	-89.147	-88.775	-0.372	0.42%	1.60%
100	28 U	-88.617	-88.817	0.199	-0.22%	0.86%
100	29 U	-90.657	-90.123	-0.534	0.59%	2.30%
100	30 U	-89.139	-88.928	-0.211	0.24%	0.91%
	Max	-88.617	-88.775	2.527	3.42%	13.65%
	Average	-90.693	-90.606	-0.087	0.09%	2.19%
	Min	-92.687	-92.264	-3.171	-2.82%	0.03%
	Std Dev	1.131	1.162	0.845	0.92%	2.90%



VDD=3.1V 1.29G IMD3 dBFs1				
Test Site				
Tester				
Test Number				
Max Limit	-78.98979006		dB	
Min Limit	-102.2219452		dB	
kRad	0	30	50	100
LL	-102.222	-102.222	-102.222	-102.222
Min	-92.239	-92.171	-92.245	-92.264
Average	-91.465	-90.550	-90.862	-90.234
Max	-90.691	-89.126	-89.424	-88.775
UL	-78.990	-78.990	-78.990	-78.990

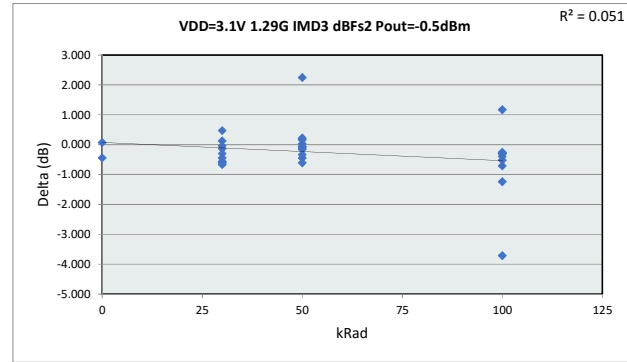


QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G IMD3 dBFs2 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-79.43390805	-79.43390805
Min Limit	-101.6776499	-101.6776499

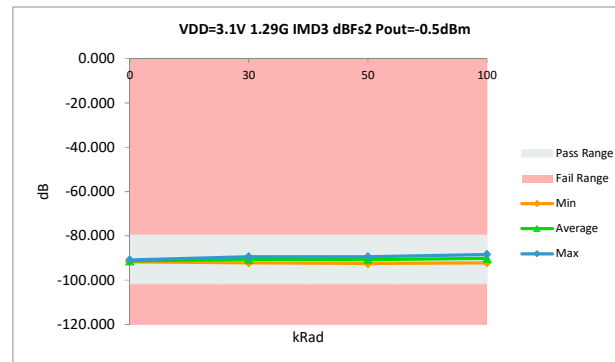
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-92.168	-91.731	-0.437	0.47%	1.96%
0	C2	-90.842	-90.916	0.073	-0.08%	0.33%
30	1	-89.707	-89.410	-0.297	0.33%	1.34%
30	2	-90.495	-89.904	-0.591	0.65%	2.66%
30	3	-89.842	-89.397	-0.445	0.49%	2.00%
30	4	-92.693	-92.089	-0.604	0.65%	2.72%
30	5	-91.713	-92.184	0.472	-0.51%	2.12%
30	6 U	-91.897	-92.021	0.125	-0.14%	0.56%
30	7 U	-90.420	-90.285	-0.135	0.15%	0.61%
30	8 U	-91.003	-90.440	-0.563	0.62%	2.53%
30	9 U	-90.467	-90.428	-0.039	0.04%	0.17%
30	10 U	-90.711	-90.046	-0.665	0.73%	2.99%
50	11	-90.298	-90.470	0.172	-0.19%	0.77%
50	12	-91.808	-91.479	-0.329	0.36%	1.48%
50	13	-91.143	-91.048	-0.095	0.10%	0.43%
50	14	-89.503	-89.444	-0.059	0.07%	0.26%
50	15	-89.467	-89.689	0.221	-0.25%	1.00%
50	16 U	-90.685	-90.717	0.032	-0.04%	0.15%
50	17 U	-91.892	-91.290	-0.603	0.66%	2.71%
50	18 U	-89.925	-89.775	-0.150	0.17%	0.67%
50	19 U	-91.249	-90.803	-0.446	0.49%	2.00%
50	20 U	-90.308	-92.552	2.245	-2.49%	10.09%
100	21	-93.038	-89.329	-3.709	3.99%	16.67%
100	22	-92.048	-91.530	-0.518	0.56%	2.33%
100	23	-90.395	-90.093	-0.302	0.33%	1.36%
100	24	-92.005	-90.769	-1.236	1.34%	5.56%
100	25	-91.006	-92.183	1.177	-1.29%	5.29%
100	26 U	-91.708	-91.425	-0.283	0.31%	1.27%
100	27 U	-88.976	-88.688	-0.288	0.32%	1.30%
100	28 U	-88.616	-88.363	-0.253	0.28%	1.14%
100	29 U	-90.998	-90.606	-0.391	0.43%	1.76%
100	30 U	-89.390	-88.681	-0.708	0.79%	3.18%
	Max	-88.616	-88.363	2.245	3.99%	16.67%
	Average	-90.825	-90.556	-0.270	0.29%	2.48%
	Min	-93.038	-92.552	-3.709	-2.49%	0.15%
	Std Dev	1.084	1.112	0.873	0.95%	3.25%



VDD=3.1V 1.29G IMD3 dBFs2

Test Site		
Tester		
Test Number		
Max Limit	-79.43390805	dB
Min Limit	-101.6776499	dB

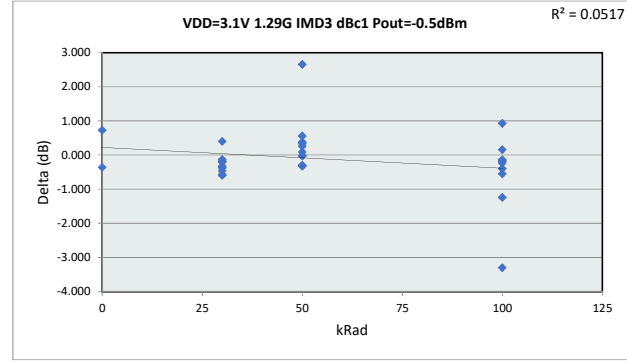
kRad	0	30	50	100
LL	-101.678	-101.678	-101.678	-101.678
Min	-91.731	-92.184	-92.552	-92.183
Average	-91.323	-90.620	-90.727	-90.167
Max	-90.916	-89.397	-89.444	-88.363
UL	-79.434	-79.434	-79.434	-79.434



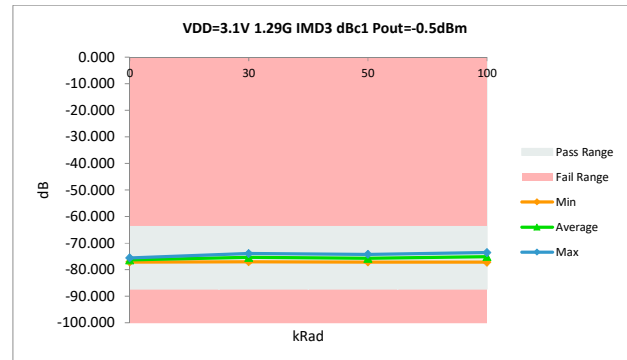
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G IMD3 dBc1 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-63.63254582	-63.63254582
Min Limit	-87.3096701	-87.3096701

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-76.395	-77.124	0.729	-0.95%	3.08%
0	C2	-75.950	-75.592	-0.358	0.47%	1.51%
30	1	-74.282	-73.912	-0.370	0.50%	1.56%
30	2	-75.239	-74.648	-0.591	0.79%	2.50%
30	3	-74.605	-74.418	-0.187	0.25%	0.79%
30	4	-77.184	-77.056	-0.128	0.17%	0.54%
30	5	-76.972	-76.400	-0.572	0.74%	2.42%
30	6 U	-77.165	-76.957	-0.208	0.27%	0.88%
30	7 U	-75.133	-75.533	0.400	-0.53%	1.69%
30	8 U	-75.677	-75.353	-0.324	0.43%	1.37%
30	9 U	-75.567	-75.107	-0.460	0.61%	1.94%
30	10 U	-74.839	-74.653	-0.185	0.25%	0.78%
50	11	-75.247	-75.231	-0.016	0.02%	0.07%
50	12	-76.738	-77.116	0.378	-0.49%	1.60%
50	13	-75.785	-75.758	-0.026	0.03%	0.11%
50	14	-74.273	-74.364	0.091	-0.12%	0.38%
50	15	-74.548	-74.224	-0.324	0.43%	1.37%
50	16 U	-75.420	-75.126	-0.295	0.39%	1.24%
50	17 U	-76.802	-77.065	0.262	-0.34%	1.11%
50	18 U	-74.240	-74.799	0.559	-0.75%	2.36%
50	19 U	-76.162	-76.504	0.341	-0.45%	1.44%
50	20 U	-74.385	-77.041	2.656	-3.57%	11.22%
100	21	-77.604	-74.308	-3.296	4.25%	13.92%
100	22	-77.059	-76.887	-0.172	0.22%	0.73%
100	23	-74.694	-74.558	-0.136	0.18%	0.58%
100	24	-77.321	-76.078	-1.243	1.61%	5.25%
100	25	-76.255	-77.181	0.927	-1.22%	3.91%
100	26 U	-76.241	-76.052	-0.189	0.25%	0.80%
100	27 U	-73.954	-73.557	-0.398	0.54%	1.68%
100	28 U	-73.496	-73.654	0.158	-0.21%	0.67%
100	29 U	-75.583	-75.034	-0.549	0.73%	2.32%
100	30 U	-74.025	-73.790	-0.235	0.32%	0.99%
	Max	-73.496	-73.557	2.656	4.25%	13.92%
	Average	-75.589	-75.471	-0.118	0.15%	2.21%
	Min	-77.604	-77.181	-3.296	-3.57%	0.07%
	Std Dev	1.151	1.184	0.869	1.14%	2.95%



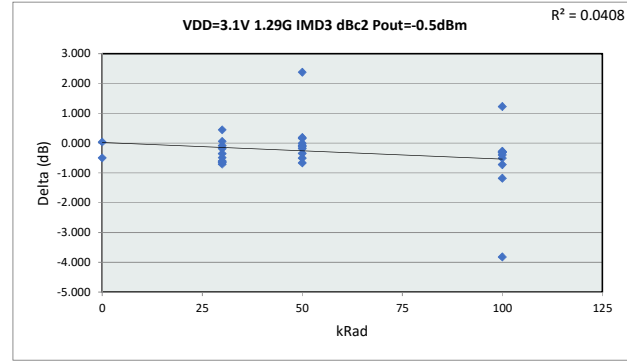
VDD=3.1V 1.29G IMD3 dBc1 Pout				
Test Site				
Tester				
Test Number				
Max Limit	-63.63254582		dB	
Min Limit	-87.3096701		dB	
kRad	0	30	50	100
LL	-87.310	-87.310	-87.310	-87.310
Min	-77.124	-77.056	-77.116	-77.181
Average	-76.358	-75.404	-75.723	-75.110
Max	-75.592	-73.912	-74.224	-73.557
UL	-63.633	-63.633	-63.633	-63.633



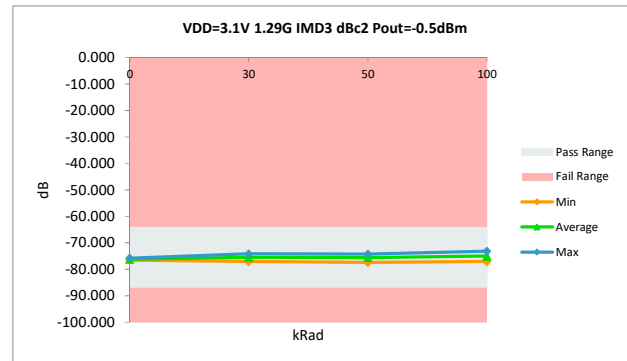
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G IMD3 dBc2 Po		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-64.05108824	-64.05108824
Min Limit	-86.78134165	-86.78134165

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-77.096	-76.601	-0.495	0.64%	2.18%
0	C2	-75.774	-75.805	0.031	-0.04%	0.14%
30	1	-74.543	-74.187	-0.356	0.48%	1.57%
30	2	-75.403	-74.759	-0.643	0.85%	2.83%
30	3	-74.721	-74.232	-0.489	0.65%	2.15%
30	4	-77.600	-76.961	-0.639	0.82%	2.81%
30	5	-76.598	-77.043	0.445	-0.58%	1.96%
30	6 U	-76.851	-76.911	0.060	-0.08%	0.27%
30	7 U	-75.313	-75.127	-0.187	0.25%	0.82%
30	8 U	-75.896	-75.290	-0.605	0.80%	2.66%
30	9 U	-75.292	-75.206	-0.086	0.11%	0.38%
30	10 U	-75.654	-74.945	-0.709	0.94%	3.12%
50	11	-75.235	-75.398	0.163	-0.22%	0.72%
50	12	-76.699	-76.349	-0.349	0.46%	1.54%
50	13	-76.045	-75.922	-0.123	0.16%	0.54%
50	14	-74.326	-74.248	-0.078	0.10%	0.34%
50	15	-74.297	-74.484	0.187	-0.25%	0.82%
50	16 U	-75.603	-75.599	-0.004	0.00%	0.02%
50	17 U	-76.772	-76.112	-0.660	0.86%	2.91%
50	18 U	-74.781	-74.603	-0.178	0.24%	0.78%
50	19 U	-76.190	-75.690	-0.499	0.66%	2.20%
50	20 U	-75.076	-77.453	2.377	-3.17%	10.46%
100	21	-77.940	-74.120	-3.820	4.90%	16.81%
100	22	-76.915	-76.410	-0.505	0.66%	2.22%
100	23	-75.308	-75.034	-0.275	0.36%	1.21%
100	24	-76.902	-75.724	-1.178	1.53%	5.18%
100	25	-75.873	-77.097	1.224	-1.61%	5.39%
100	26 U	-76.600	-76.287	-0.312	0.41%	1.37%
100	27 U	-73.779	-73.463	-0.316	0.43%	1.39%
100	28 U	-73.484	-73.194	-0.289	0.39%	1.27%
100	29 U	-75.915	-75.517	-0.398	0.52%	1.75%
100	30 U	-74.265	-73.547	-0.718	0.97%	3.16%
	Max	-73.484	-73.194	2.377	4.90%	16.81%
	Average	-75.711	-75.416	-0.295	0.38%	2.53%
	Min	-77.940	-77.453	-3.820	-3.17%	0.02%
	Std Dev	1.106	1.137	0.900	1.17%	3.29%



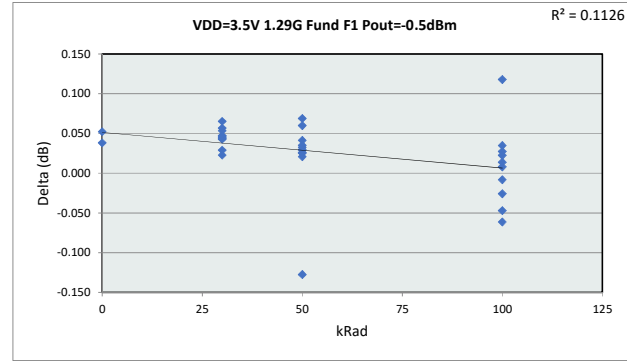
VDD=3.1V 1.29G IMD3 dBc2 P				
Test Site				
Tester				
Test Number				
Max Limit	-64.05108824		dB	
Min Limit	-86.78134165		dB	
kRad	0	30	50	100
LL	-86.781	-86.781	-86.781	-86.781
Min	-76.601	-77.043	-77.453	-77.097
Average	-76.203	-75.466	-75.586	-75.039
Max	-75.805	-74.187	-74.248	-73.194
UL	-64.051	-64.051	-64.051	-64.051



QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G Fund F1 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.66778946	-14.66778946
Min Limit	-15.590401	-15.590401

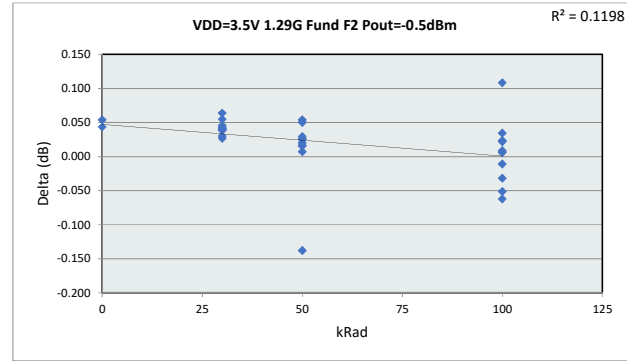
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.061	-15.113	0.052	-0.35%	5.66%
0	C2	-15.059	-15.097	0.038	-0.25%	4.15%
30	1	-15.148	-15.205	0.057	-0.38%	6.17%
30	2	-15.080	-15.127	0.047	-0.31%	5.10%
30	3	-15.109	-15.152	0.043	-0.28%	4.64%
30	4	-15.081	-15.110	0.029	-0.19%	3.15%
30	5	-15.103	-15.125	0.023	-0.15%	2.47%
30	6 U	-15.031	-15.097	0.065	-0.43%	7.07%
30	7 U	-15.093	-15.147	0.053	-0.35%	5.79%
30	8 U	-15.091	-15.135	0.044	-0.29%	4.79%
30	9 U	-15.163	-15.208	0.044	-0.29%	4.79%
30	10 U	-15.046	-15.092	0.047	-0.31%	5.06%
50	11	-15.048	-15.068	0.021	-0.14%	2.25%
50	12	-15.101	-15.127	0.026	-0.17%	2.81%
50	13	-15.085	-15.118	0.032	-0.21%	3.51%
50	14	-15.163	-15.188	0.026	-0.17%	2.77%
50	15	-15.158	-15.193	0.035	-0.23%	3.80%
50	16 U	-15.064	-15.105	0.041	-0.27%	4.49%
50	17 U	-15.101	-15.170	0.069	-0.46%	7.46%
50	18 U	-15.132	-15.162	0.030	-0.20%	3.21%
50	19 U	-15.049	-15.109	0.060	-0.40%	6.51%
50	20 U	-15.218	-15.090	-0.128	0.84%	13.82%
100	21	-15.087	-15.204	0.118	-0.78%	12.78%
100	22	-15.123	-15.115	-0.008	0.05%	0.90%
100	23	-15.077	-15.051	-0.026	0.17%	2.81%
100	24	-15.099	-15.037	-0.061	0.41%	6.65%
100	25	-15.129	-15.082	-0.047	0.31%	5.09%
100	26 U	-15.096	-15.124	0.027	-0.18%	2.95%
100	27 U	-15.188	-15.210	0.022	-0.15%	2.43%
100	28 U	-15.125	-15.159	0.035	-0.23%	3.77%
100	29 U	-15.072	-15.080	0.008	-0.05%	0.87%
100	30 U	-15.117	-15.131	0.014	-0.09%	1.50%
Max		-15.031	-15.037	0.118	0.84%	13.82%
Average		-15.103	-15.129	0.026	-0.17%	4.66%
Min		-15.218	-15.210	-0.128	-0.78%	0.87%
Std Dev		0.043	0.046	0.044	0.29%	2.85%



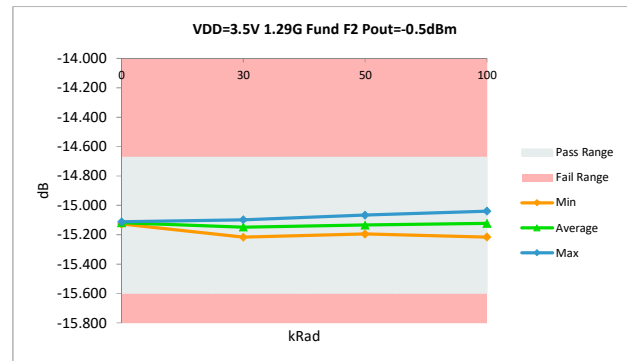
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G Fund F2 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.66960992	-14.66960992
Min Limit	-15.59812431	-15.59812431

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.072	-15.126	0.054	-0.36%	5.81%
0	C2	-15.069	-15.112	0.044	-0.29%	4.70%
30	1	-15.161	-15.216	0.055	-0.36%	5.90%
30	2	-15.093	-15.138	0.046	-0.30%	4.90%
30	3	-15.120	-15.159	0.039	-0.25%	4.15%
30	4	-15.091	-15.121	0.030	-0.20%	3.22%
30	5	-15.111	-15.137	0.027	-0.18%	2.86%
30	6 U	-15.045	-15.109	0.064	-0.42%	6.88%
30	7 U	-15.104	-15.147	0.043	-0.28%	4.63%
30	8 U	-15.102	-15.142	0.040	-0.26%	4.28%
30	9 U	-15.172	-15.212	0.040	-0.27%	4.35%
30	10 U	-15.056	-15.098	0.041	-0.27%	4.45%
50	11	-15.060	-15.067	0.007	-0.05%	0.77%
50	12	-15.110	-15.126	0.016	-0.10%	1.69%
50	13	-15.095	-15.120	0.026	-0.17%	2.77%
50	14	-15.175	-15.192	0.017	-0.11%	1.81%
50	15	-15.168	-15.194	0.026	-0.17%	2.83%
50	16 U	-15.076	-15.106	0.029	-0.20%	3.17%
50	17 U	-15.117	-15.171	0.054	-0.36%	5.83%
50	18 U	-15.143	-15.164	0.020	-0.13%	2.18%
50	19 U	-15.058	-15.109	0.050	-0.33%	5.42%
50	20 U	-15.232	-15.094	-0.138	0.91%	14.86%
100	21	-15.099	-15.207	0.108	-0.72%	11.67%
100	22	-15.129	-15.119	-0.011	0.07%	1.17%
100	23	-15.085	-15.054	-0.032	0.21%	3.41%
100	24	-15.101	-15.039	-0.062	0.41%	6.68%
100	25	-15.134	-15.083	-0.051	0.34%	5.51%
100	26 U	-15.107	-15.131	0.023	-0.16%	2.53%
100	27 U	-15.193	-15.215	0.022	-0.15%	2.38%
100	28 U	-15.129	-15.163	0.035	-0.23%	3.72%
100	29 U	-15.080	-15.087	0.006	-0.04%	0.66%
100	30 U	-15.120	-15.129	0.009	-0.06%	0.94%
	Max	-15.045	-15.039	0.108	0.91%	14.86%
	Average	-15.113	-15.134	0.021	-0.14%	4.25%
	Min	-15.232	-15.216	-0.138	-0.72%	0.66%
	Std Dev	0.043	0.046	0.044	0.29%	2.95%



VDD=3.5V 1.29G Fund F2 Pout=-				
Test Site				
Tester				
Test Number				
Max Limit	-14.66960992		dB	
Min Limit	-15.59812431		dB	
kRad	0	30	50	100
LL	-15.598	-15.598	-15.598	-15.598
Min	-15.126	-15.216	-15.194	-15.215
Average	-15.119	-15.148	-15.134	-15.123
Max	-15.112	-15.098	-15.067	-15.039
UL	-14.670	-14.670	-14.670	-14.670

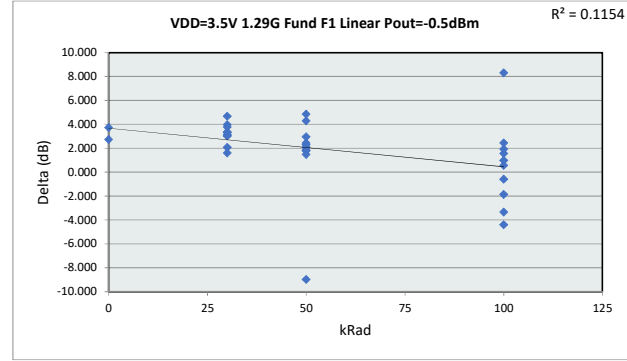


QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G Fund F1 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	339.5576736	339.5576736
Min Limit	274.4081372	274.4081372

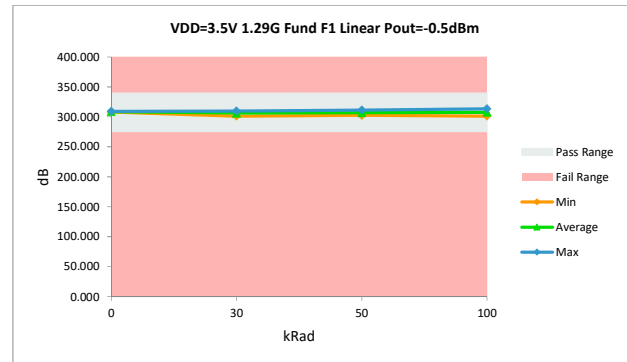
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	311.810	308.082	3.728	1.20%	5.72%
0	C2	311.964	309.227	2.736	0.88%	4.20%
30	1	305.658	301.680	3.977	1.30%	6.11%
30	2	310.431	307.084	3.347	1.08%	5.14%
30	3	308.396	305.373	3.023	0.98%	4.64%
30	4	310.407	308.335	2.073	0.67%	3.18%
30	5	308.845	307.231	1.614	0.52%	2.48%
30	6 U	313.957	309.277	4.680	1.49%	7.18%
30	7 U	309.513	305.726	3.787	1.22%	5.81%
30	8 U	309.696	306.563	3.133	1.01%	4.81%
30	9 U	304.558	301.473	3.086	1.01%	4.74%
30	10 U	312.925	309.579	3.346	1.07%	5.14%
50	11	312.782	311.293	1.488	0.48%	2.28%
50	12	308.942	307.105	1.837	0.59%	2.82%
50	13	310.068	307.763	2.305	0.74%	3.54%
50	14	304.600	302.816	1.784	0.59%	2.74%
50	15	304.916	302.467	2.449	0.80%	3.76%
50	16 U	311.630	308.673	2.957	0.95%	4.54%
50	17 U	308.954	304.099	4.855	1.57%	7.45%
50	18 U	306.755	304.671	2.084	0.68%	3.20%
50	19 U	312.701	308.405	4.295	1.37%	6.59%
50	20 U	300.774	309.738	-8.964	-2.98%	13.76%
100	21	309.991	301.687	8.304	2.68%	12.75%
100	22	307.373	307.960	-0.587	-0.19%	0.90%
100	23	310.648	312.508	-1.860	-0.60%	2.86%
100	24	309.135	313.535	-4.400	-1.42%	6.75%
100	25	306.978	310.315	-3.337	-1.09%	5.12%
100	26 U	309.294	307.359	1.935	0.63%	2.97%
100	27 U	302.850	301.288	1.562	0.52%	2.40%
100	28 U	307.275	304.826	2.449	0.80%	3.76%
100	29 U	311.029	310.457	0.571	0.18%	0.88%
100	30 U	307.840	306.858	0.982	0.32%	1.51%
	Max	313.957	313.535	8.304	2.68%	13.76%
	Average	308.834	306.983	1.851	0.60%	4.68%
	Min	300.774	301.288	-8.964	-2.98%	0.88%
	Std Dev	3.077	3.257	3.079	1.00%	2.84%



VDD=3.5V 1.29G Fund F1 Linear

Test Site		
Tester		
Test Number		
Max Limit	339.5576736	dB
Min Limit	274.4081372	dB

kRad	0	30	50	100
LL	274.408	274.408	274.408	274.408
Min	308.082	301.473	302.467	301.288
Average	308.654	306.232	306.703	307.679
Max	309.227	309.579	311.293	313.535
UL	339.558	339.558	339.558	339.558

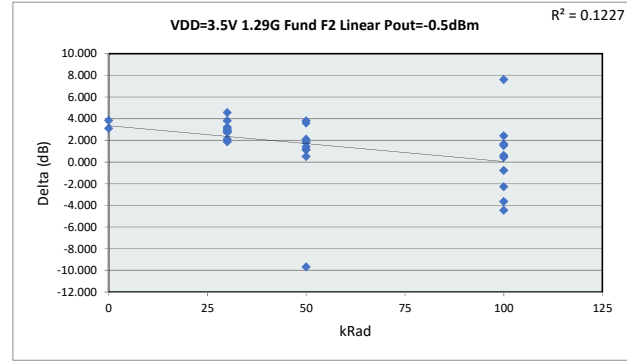


QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G Fund F2 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	339.4040525	339.4040525
Min Limit	273.8879607	273.8879607

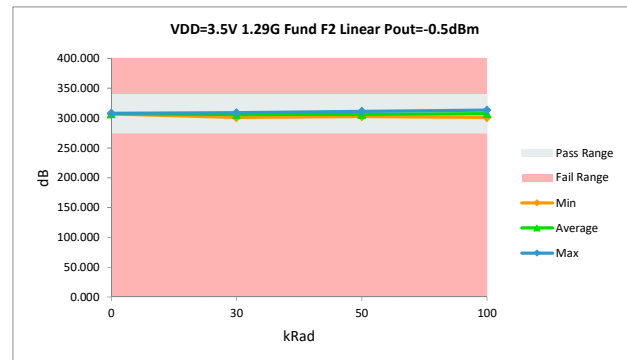
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	311.018	307.181	3.837	1.23%	5.86%
0	C2	311.277	308.165	3.112	1.00%	4.75%
30	1	304.694	300.876	3.818	1.25%	5.83%
30	2	309.563	306.335	3.227	1.04%	4.93%
30	3	307.587	304.871	2.716	0.88%	4.15%
30	4	309.681	307.554	2.127	0.69%	3.25%
30	5	308.269	306.393	1.876	0.61%	2.86%
30	6 U	312.981	308.414	4.567	1.46%	6.97%
30	7 U	308.770	305.727	3.043	0.99%	4.64%
30	8 U	308.894	306.082	2.812	0.91%	4.29%
30	9 U	303.969	301.155	2.814	0.93%	4.30%
30	10 U	312.145	309.190	2.955	0.95%	4.51%
50	11	311.921	311.406	0.515	0.17%	0.79%
50	12	308.297	307.184	1.113	0.36%	1.70%
50	13	309.415	307.586	1.829	0.59%	2.79%
50	14	303.744	302.571	1.173	0.39%	1.79%
50	15	304.229	302.392	1.837	0.60%	2.80%
50	16 U	310.713	308.613	2.100	0.68%	3.21%
50	17 U	307.818	304.006	3.812	1.24%	5.82%
50	18 U	305.962	304.540	1.422	0.46%	2.17%
50	19 U	312.013	308.421	3.592	1.15%	5.48%
50	20 U	299.786	309.463	-9.677	-3.23%	14.77%
100	21	309.126	301.512	7.614	2.46%	11.62%
100	22	306.943	307.715	-0.772	-0.25%	1.18%
100	23	310.075	312.343	-2.269	-0.73%	3.46%
100	24	308.972	313.415	-4.443	-1.44%	6.78%
100	25	306.602	310.238	-3.636	-1.19%	5.55%
100	26 U	308.525	306.861	1.664	0.54%	2.54%
100	27 U	302.488	300.950	1.538	0.51%	2.35%
100	28 U	306.984	304.554	2.430	0.79%	3.71%
100	29 U	310.429	309.988	0.440	0.14%	0.67%
100	30 U	307.587	306.971	0.617	0.20%	0.94%
	Max	312.981	313.415	7.614	2.46%	14.77%
	Average	308.140	306.646	1.494	0.48%	4.26%
	Min	299.786	300.876	-9.677	-3.23%	0.67%
	Std Dev	3.046	3.276	3.077	1.01%	2.94%



VDD=3.5V 1.29G Fund F2 Linear

Test Site		
Tester		
Test Number		
Max Limit	339.4040525	dB
Min Limit	273.8879607	dB

kRad	0	30	50	100
LL	273.888	273.888	273.888	273.888
Min	307.181	300.876	302.392	300.950
Average	307.673	305.660	306.618	307.455
Max	308.165	309.190	311.406	313.415
UL	339.404	339.404	339.404	339.404

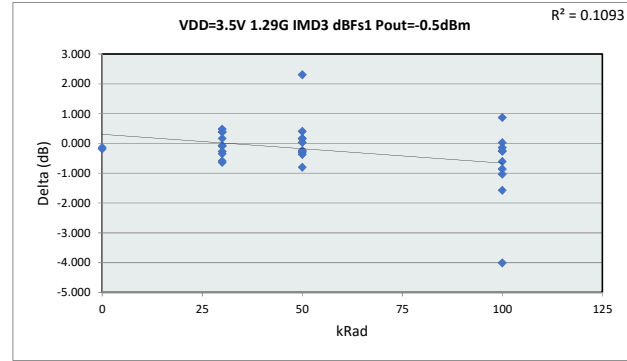


QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G IMD3 dBFs1 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-79.20928335	-79.20928335
Min Limit	-104.4258838	-104.4258838

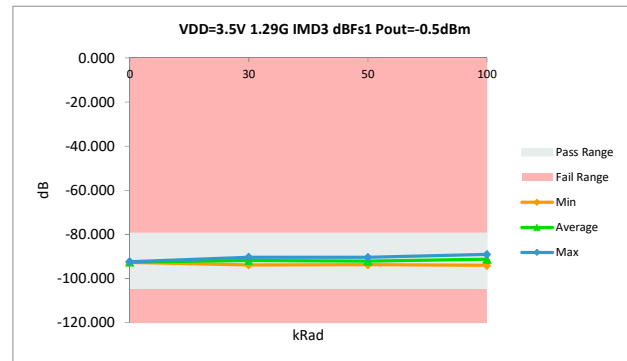
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-92.881	-92.742	-0.138	0.15%	0.55%
0	C2	-92.545	-92.358	-0.187	0.20%	0.74%
30	1	-90.655	-90.308	-0.347	0.38%	1.38%
30	2	-91.521	-91.444	-0.076	0.08%	0.30%
30	3	-90.914	-91.302	0.388	-0.43%	1.54%
30	4	-93.300	-93.786	0.485	-0.52%	1.93%
30	5	-93.524	-93.256	-0.268	0.29%	1.06%
30	6 U	-93.655	-93.019	-0.636	0.68%	2.52%
30	7 U	-91.167	-91.545	0.377	-0.41%	1.50%
30	8 U	-92.134	-91.548	-0.587	0.64%	2.33%
30	9 U	-91.478	-91.392	-0.086	0.09%	0.34%
30	10 U	-91.484	-91.649	0.164	-0.18%	0.65%
50	11	-91.534	-91.940	0.406	-0.44%	1.61%
50	12	-93.534	-93.698	0.163	-0.17%	0.65%
50	13	-92.245	-91.878	-0.367	0.40%	1.46%
50	14	-90.972	-90.731	-0.241	0.26%	0.96%
50	15	-90.681	-90.411	-0.271	0.30%	1.07%
50	16 U	-92.133	-91.834	-0.299	0.32%	1.19%
50	17 U	-93.269	-93.299	0.030	-0.03%	0.12%
50	18 U	-91.023	-91.193	0.170	-0.19%	0.67%
50	19 U	-93.156	-92.354	-0.802	0.86%	3.18%
50	20 U	-91.295	-93.604	2.309	-2.53%	9.16%
100	21	-94.965	-90.959	-4.006	4.22%	15.89%
100	22	-93.287	-93.026	-0.261	0.28%	1.04%
100	23	-90.735	-90.761	0.025	-0.03%	0.10%
100	24	-93.512	-91.939	-1.573	1.68%	6.24%
100	25	-93.191	-94.061	0.870	-0.93%	3.45%
100	26 U	-92.753	-92.150	-0.603	0.65%	2.39%
100	27 U	-90.108	-89.963	-0.145	0.16%	0.58%
100	28 U	-89.988	-89.128	-0.860	0.96%	3.41%
100	29 U	-91.702	-91.448	-0.253	0.28%	1.00%
100	30 U	-90.470	-89.442	-1.028	1.14%	4.08%
	Max	-89.988	-89.128	2.309	4.22%	15.89%
	Average	-92.057	-91.818	-0.239	0.25%	2.28%
	Min	-94.965	-94.061	-4.006	-2.53%	0.10%
	Std Dev	1.250	1.261	0.948	1.01%	3.11%



VDD=3.5V 1.29G IMD3 dBFs1

Test Site		
Tester		
Test Number		
Max Limit	-79.20928335	dB
Min Limit	-104.4258838	dB

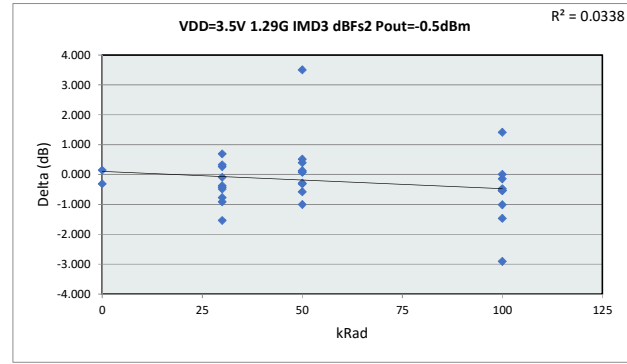
kRad	0	30	50	100
LL	-104.426	-104.426	-104.426	-104.426
Min	-92.742	-93.786	-93.698	-94.061
Average	-92.550	-91.925	-92.094	-91.288
Max	-92.358	-90.308	-90.411	-89.128
UL	-79.209	-79.209	-79.209	-79.209



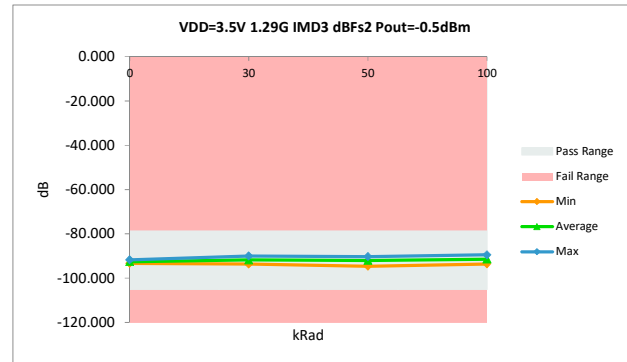
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G IMD3 dBFs2 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-78.50594846	-78.50594846
Min Limit	-105.0990687	-105.0990687

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-93.203	-93.357	0.153	-0.16%	0.58%
0	C2	-92.092	-91.789	-0.303	0.33%	1.14%
30	1	-90.767	-89.997	-0.771	0.85%	2.90%
30	2	-91.266	-90.836	-0.431	0.47%	1.62%
30	3	-91.141	-90.656	-0.484	0.53%	1.82%
30	4	-94.544	-93.012	-1.531	1.62%	5.76%
30	5	-92.915	-93.612	0.698	-0.75%	2.62%
30	6 U	-93.406	-93.673	0.267	-0.29%	1.00%
30	7 U	-91.923	-91.012	-0.911	0.99%	3.42%
30	8 U	-91.758	-92.090	0.332	-0.36%	1.25%
30	9 U	-91.726	-91.356	-0.370	0.40%	1.39%
30	10 U	-91.628	-91.543	-0.085	0.09%	0.32%
50	11	-91.078	-91.593	0.515	-0.57%	1.94%
50	12	-93.774	-93.485	-0.289	0.31%	1.09%
50	13	-92.512	-91.510	-1.002	1.08%	3.77%
50	14	-90.177	-90.580	0.402	-0.45%	1.51%
50	15	-90.224	-90.319	0.095	-0.11%	0.36%
50	16 U	-92.221	-91.916	-0.305	0.33%	1.15%
50	17 U	-93.416	-93.550	0.133	-0.14%	0.50%
50	18 U	-90.884	-90.966	0.082	-0.09%	0.31%
50	19 U	-92.686	-92.112	-0.574	0.62%	2.16%
50	20 U	-91.119	-94.621	3.502	-3.84%	13.17%
100	21	-94.417	-91.515	-2.902	3.07%	10.91%
100	22	-93.777	-92.768	-1.009	1.08%	3.79%
100	23	-91.098	-90.575	-0.523	0.57%	1.97%
100	24	-93.273	-91.811	-1.462	1.57%	5.50%
100	25	-92.188	-93.607	1.418	-1.54%	5.33%
100	26 U	-92.788	-92.648	-0.140	0.15%	0.53%
100	27 U	-90.465	-89.937	-0.528	0.58%	1.98%
100	28 U	-89.477	-89.488	0.011	-0.01%	0.04%
100	29 U	-92.441	-91.912	-0.528	0.57%	1.99%
100	30 U	-90.309	-89.836	-0.473	0.52%	1.78%
	Max	-89.477	-89.488	3.502	3.07%	13.17%
	Average	-92.022	-91.803	-0.219	0.23%	2.61%
	Min	-94.544	-94.621	-2.902	-3.84%	0.04%
	Std Dev	1.307	1.330	1.024	1.11%	2.91%



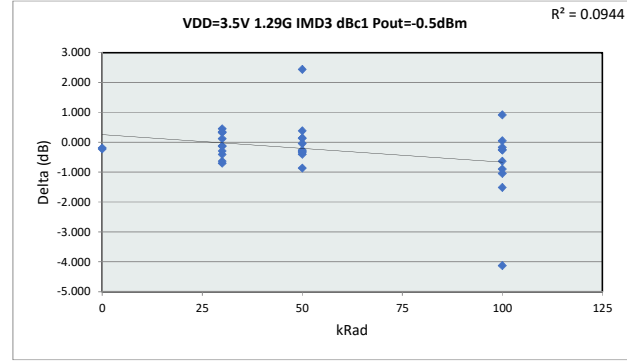
VDD=3.5V 1.29G IMD3 dBFs2				
Test Site				
Tester				
Test Number				
Max Limit	-78.50594846		dB	
Min Limit	-105.0990687		dB	
kRad	0	30	50	100
LL	-105.099	-105.099	-105.099	-105.099
Min	-93.357	-93.673	-94.621	-93.607
Average	-92.573	-91.779	-92.065	-91.410
Max	-91.789	-89.997	-90.319	-89.488
UL	-78.506	-78.506	-78.506	-78.506



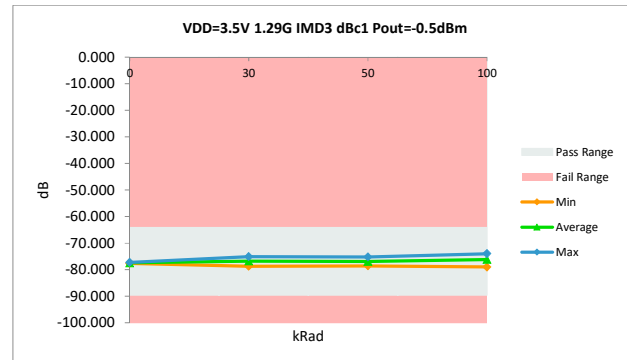
QMLP TID Report
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VDD=3.5V 1.29G IMD3 dBc1 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-63.86484082	-63.86484082
Min Limit	-89.51213567	-89.51213567

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-77.820	-77.629	-0.191	0.25%	0.74%
0	C2	-77.486	-77.260	-0.226	0.29%	0.88%
30	1	-75.508	-75.104	-0.404	0.53%	1.57%
30	2	-76.440	-76.317	-0.123	0.16%	0.48%
30	3	-75.805	-76.150	0.345	-0.46%	1.35%
30	4	-78.220	-78.676	0.456	-0.58%	1.78%
30	5	-78.421	-78.130	-0.291	0.37%	1.13%
30	6 U	-78.623	-77.922	-0.701	0.89%	2.73%
30	7 U	-76.074	-76.398	0.324	-0.43%	1.26%
30	8 U	-77.044	-76.413	-0.631	0.82%	2.46%
30	9 U	-76.314	-76.184	-0.130	0.17%	0.51%
30	10 U	-76.439	-76.556	0.118	-0.15%	0.46%
50	11	-76.486	-76.872	0.385	-0.50%	1.50%
50	12	-78.433	-78.570	0.138	-0.18%	0.54%
50	13	-77.159	-76.760	-0.399	0.52%	1.56%
50	14	-75.809	-75.542	-0.266	0.35%	1.04%
50	15	-75.523	-75.217	-0.306	0.40%	1.19%
50	16 U	-77.069	-76.729	-0.340	0.44%	1.33%
50	17 U	-78.168	-78.129	-0.039	0.05%	0.15%
50	18 U	-75.891	-76.031	0.140	-0.19%	0.55%
50	19 U	-78.107	-77.245	-0.862	1.10%	3.36%
50	20 U	-76.078	-78.514	2.436	-3.20%	9.50%
100	21	-79.879	-75.754	-4.124	5.16%	16.08%
100	22	-78.163	-77.911	-0.253	0.32%	0.99%
100	23	-75.658	-75.709	0.051	-0.07%	0.20%
100	24	-78.414	-76.902	-1.512	1.93%	5.89%
100	25	-78.063	-78.979	0.917	-1.17%	3.57%
100	26 U	-77.656	-77.026	-0.630	0.81%	2.46%
100	27 U	-74.920	-74.753	-0.168	0.22%	0.65%
100	28 U	-74.863	-73.968	-0.895	1.20%	3.49%
100	29 U	-76.630	-76.368	-0.261	0.34%	1.02%
100	30 U	-75.353	-74.311	-1.042	1.38%	4.06%
	Max	-74.863	-73.968	2.436	5.16%	16.08%
	Average	-76.954	-76.688	-0.265	0.34%	2.33%
	Min	-79.879	-78.979	-4.124	-3.20%	0.15%
	Std Dev	1.269	1.282	0.973	1.24%	3.15%



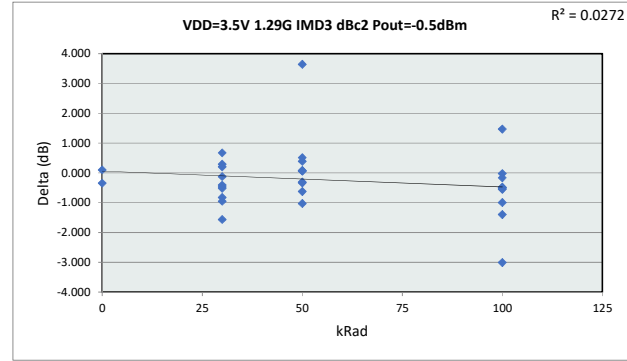
VDD=3.5V 1.29G IMD3 dBc1 Pout				
Test Site				
Tester				
Test Number				
Max Limit	-63.86484082		dB	
Min Limit	-89.51213567		dB	
kRad	0	30	50	100
LL	-89.512	-89.512	-89.512	-89.512
Min	-77.629	-78.676	-78.570	-78.979
Average	-77.445	-76.785	-76.961	-76.168
Max	-77.260	-75.104	-75.217	-73.968
UL	-63.865	-63.865	-63.865	-63.865



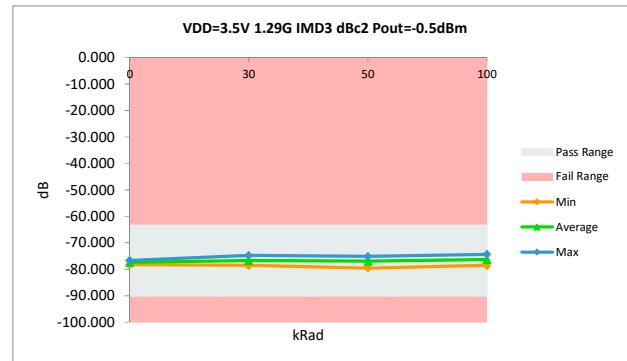
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G IMD3 dBc2 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-63.17847309	-63.17847309
Min Limit	-90.158811	-90.158811

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-78.131	-78.231	0.099	-0.13%	0.37%
0	C2	-77.023	-76.677	-0.346	0.45%	1.28%
30	1	-75.606	-74.780	-0.825	1.09%	3.06%
30	2	-76.174	-75.698	-0.476	0.63%	1.77%
30	3	-76.020	-75.497	-0.523	0.69%	1.94%
30	4	-79.453	-77.891	-1.561	1.97%	5.79%
30	5	-77.804	-78.475	0.671	-0.86%	2.49%
30	6 U	-78.361	-78.564	0.203	-0.26%	0.75%
30	7 U	-76.819	-75.866	-0.954	1.24%	3.53%
30	8 U	-76.656	-76.948	0.292	-0.38%	1.08%
30	9 U	-76.555	-76.144	-0.411	0.54%	1.52%
30	10 U	-76.572	-76.445	-0.127	0.17%	0.47%
50	11	-76.019	-76.527	0.508	-0.67%	1.88%
50	12	-78.664	-78.359	-0.305	0.39%	1.13%
50	13	-77.418	-76.390	-1.028	1.33%	3.81%
50	14	-75.003	-75.388	0.385	-0.51%	1.43%
50	15	-75.056	-75.124	0.069	-0.09%	0.25%
50	16 U	-77.144	-76.810	-0.334	0.43%	1.24%
50	17 U	-78.299	-78.379	0.079	-0.10%	0.29%
50	18 U	-75.741	-75.802	0.062	-0.08%	0.23%
50	19 U	-77.628	-77.004	-0.624	0.80%	2.31%
50	20 U	-75.887	-79.527	3.640	-4.80%	13.49%
100	21	-79.318	-76.308	-3.010	3.80%	11.16%
100	22	-78.648	-77.650	-0.998	1.27%	3.70%
100	23	-76.013	-75.521	-0.492	0.65%	1.82%
100	24	-78.172	-76.773	-1.400	1.79%	5.19%
100	25	-77.054	-78.523	1.470	-1.91%	5.45%
100	26 U	-77.681	-77.517	-0.163	0.21%	0.61%
100	27 U	-75.272	-74.722	-0.550	0.73%	2.04%
100	28 U	-74.348	-74.324	-0.024	0.03%	0.09%
100	29 U	-77.360	-76.825	-0.535	0.69%	1.98%
100	30 U	-75.189	-74.707	-0.482	0.64%	1.78%
	Max	-74.348	-74.324	3.640	3.80%	13.49%
	Average	-76.909	-76.669	-0.240	0.30%	2.62%
	Min	-79.453	-79.527	-3.010	-4.80%	0.09%
	Std Dev	1.327	1.349	1.050	1.36%	2.98%



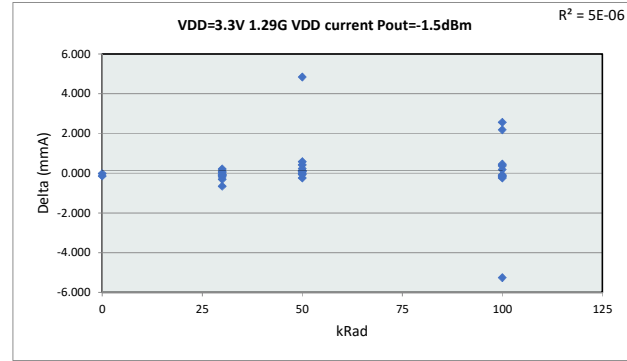
VDD=3.5V 1.29G IMD3 dBc2 Pout				
Test Site				
Tester				
Test Number				
Max Limit	-63.17847309		dB	
Min Limit	-90.158811		dB	
kRad	0	30	50	100
LL	-90.159	-90.159	-90.159	-90.159
Min	-78.231	-78.564	-79.527	-78.523
Average	-77.454	-76.631	-76.931	-76.287
Max	-76.677	-74.780	-75.124	-74.324
UL	-63.178	-63.178	-63.178	-63.178



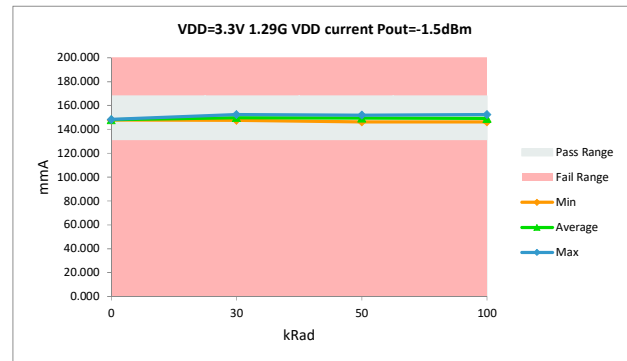
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G VDD current P		
Test Site		
Tester		
Test Number		
Unit	mmA	mmA
Max Limit	168.0702094	168.0702094
Min Limit	130.8249866	130.8249866

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	148.128	148.275	-0.147	-0.10%	0.40%
0	C2	147.859	147.872	-0.013	-0.01%	0.03%
30	1	149.575	149.648	-0.073	-0.05%	0.20%
30	2	149.400	149.496	-0.095	-0.06%	0.26%
30	3	152.168	152.476	-0.308	-0.20%	0.83%
30	4	147.421	147.601	-0.180	-0.12%	0.48%
30	5	151.840	151.745	0.095	0.06%	0.26%
30	6 U	148.570	148.696	-0.126	-0.09%	0.34%
30	7 U	149.734	149.519	0.214	0.14%	0.58%
30	8 U	148.029	148.682	-0.653	-0.44%	1.75%
30	9 U	151.094	151.151	-0.057	-0.04%	0.15%
30	10 U	149.699	149.669	0.030	0.02%	0.08%
50	11	148.828	148.251	0.577	0.39%	1.55%
50	12	152.161	151.743	0.418	0.27%	1.12%
50	13	148.642	148.547	0.095	0.06%	0.26%
50	14	150.089	149.962	0.127	0.08%	0.34%
50	15	152.152	152.058	0.094	0.06%	0.25%
50	16 U	146.031	146.275	-0.244	-0.17%	0.66%
50	17 U	150.024	150.092	-0.068	-0.05%	0.18%
50	18 U	151.372	151.137	0.235	0.16%	0.63%
50	19 U	149.585	149.585	0.000	0.00%	0.00%
50	20 U	152.418	147.579	4.839	3.18%	12.99%
100	21	147.009	152.262	-5.252	-3.57%	14.10%
100	22	148.211	147.842	0.369	0.25%	0.99%
100	23	148.543	148.083	0.460	0.31%	1.24%
100	24	148.921	146.356	2.565	1.72%	6.89%
100	25	150.090	147.900	2.189	1.46%	5.88%
100	26 U	146.782	146.866	-0.084	-0.06%	0.22%
100	27 U	152.510	152.328	0.182	0.12%	0.49%
100	28 U	152.156	152.398	-0.242	-0.16%	0.65%
100	29 U	147.994	148.113	-0.119	-0.08%	0.32%
100	30 U	149.944	150.117	-0.172	-0.12%	0.46%
	Max	152.510	152.476	4.839	3.18%	14.10%
	Average	149.593	149.448	0.145	0.09%	1.71%
	Min	146.031	146.275	-5.252	-3.57%	0.00%
	Std Dev	1.817	1.862	1.431	0.96%	3.45%



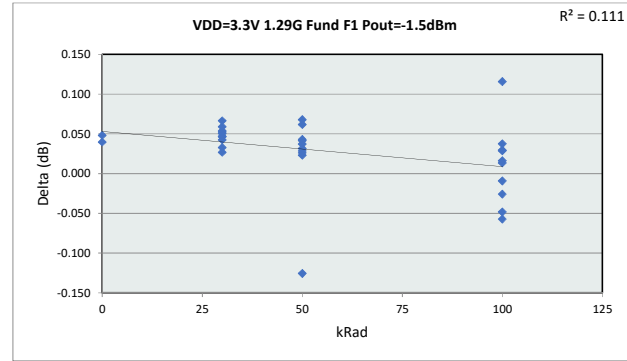
VDD=3.3V 1.29G VDD current				
Test Site				
Tester				
Test Number				
Max Limit	168.0702094	mmA		
Min Limit	130.8249866	mmA		
kRad	0	30	50	100
LL	130.825	130.825	130.825	130.825
Min	147.872	147.601	146.275	146.356
Average	148.073	149.868	149.523	149.226
Max	148.275	152.476	152.058	152.398
UL	168.070	168.070	168.070	168.070



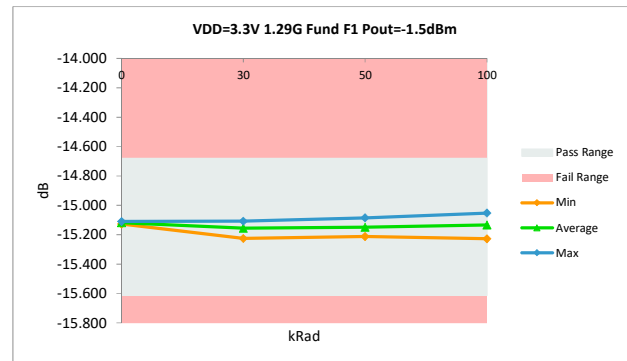
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G Fund F1 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.6755934	-14.6755934
Min Limit	-15.61205319	-15.61205319

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.079	-15.127	0.048	-0.32%	5.14%
0	C2	-15.070	-15.109	0.040	-0.26%	4.23%
30	1	-15.162	-15.221	0.059	-0.39%	6.29%
30	2	-15.095	-15.141	0.046	-0.31%	4.96%
30	3	-15.123	-15.166	0.043	-0.28%	4.55%
30	4	-15.092	-15.125	0.033	-0.22%	3.51%
30	5	-15.113	-15.140	0.027	-0.18%	2.87%
30	6 U	-15.046	-15.113	0.067	-0.44%	7.11%
30	7 U	-15.107	-15.161	0.054	-0.36%	5.76%
30	8 U	-15.104	-15.151	0.047	-0.31%	5.02%
30	9 U	-15.174	-15.225	0.050	-0.33%	5.39%
30	10 U	-15.055	-15.107	0.052	-0.35%	5.61%
50	11	-15.061	-15.085	0.023	-0.15%	2.49%
50	12	-15.113	-15.139	0.026	-0.17%	2.80%
50	13	-15.096	-15.133	0.037	-0.25%	3.97%
50	14	-15.177	-15.206	0.029	-0.19%	3.06%
50	15	-15.170	-15.211	0.042	-0.27%	4.45%
50	16 U	-15.078	-15.121	0.043	-0.29%	4.59%
50	17 U	-15.117	-15.185	0.068	-0.45%	7.27%
50	18 U	-15.145	-15.176	0.032	-0.21%	3.38%
50	19 U	-15.061	-15.122	0.062	-0.41%	6.60%
50	20 U	-15.232	-15.107	-0.126	0.83%	13.42%
100	21	-15.100	-15.216	0.116	-0.77%	12.35%
100	22	-15.136	-15.127	-0.009	0.06%	0.96%
100	23	-15.087	-15.061	-0.026	0.17%	2.76%
100	24	-15.109	-15.052	-0.057	0.38%	6.10%
100	25	-15.142	-15.094	-0.048	0.32%	5.15%
100	26 U	-15.110	-15.139	0.029	-0.19%	3.07%
100	27 U	-15.198	-15.227	0.030	-0.19%	3.15%
100	28 U	-15.137	-15.175	0.037	-0.25%	4.00%
100	29 U	-15.085	-15.099	0.014	-0.09%	1.46%
100	30 U	-15.127	-15.143	0.016	-0.11%	1.74%
	Max	-15.046	-15.052	0.116	0.83%	13.42%
	Average	-15.116	-15.144	0.028	-0.19%	4.79%
	Min	-15.232	-15.227	-0.126	-0.77%	0.96%
	Std Dev	0.043	0.047	0.043	0.29%	2.66%



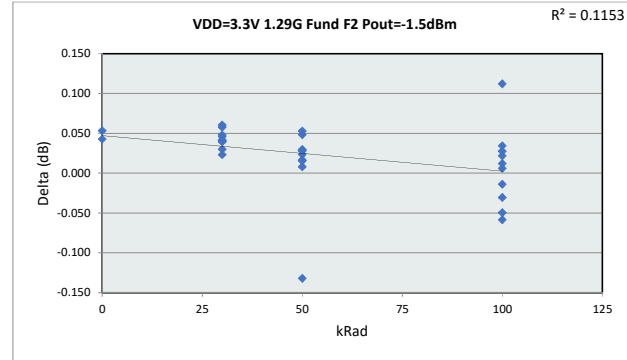
VDD=3.3V 1.29G Fund F1 Pout=-				
Test Site				
Tester				
Test Number				
Max Limit	-14.6755934		dB	
Min Limit	-15.61205319		dB	
kRad	0	30	50	100
LL	-15.612	-15.612	-15.612	-15.612
Min	-15.127	-15.225	-15.211	-15.227
Average	-15.118	-15.155	-15.149	-15.133
Max	-15.109	-15.107	-15.085	-15.052
UL	-14.676	-14.676	-14.676	-14.676



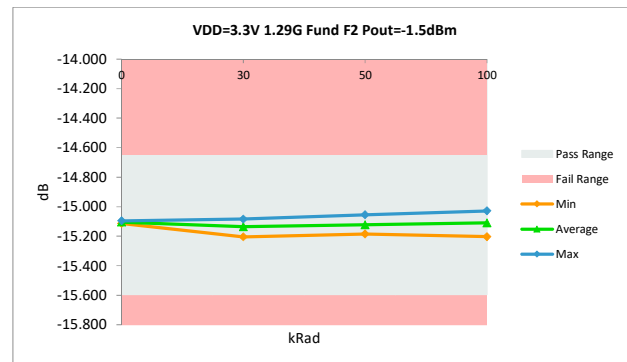
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G Fund F2 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.64897774	-14.64897774
Min Limit	-15.59441097	-15.59441097

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.060	-15.113	0.053	-0.35%	5.64%
0	C2	-15.053	-15.096	0.043	-0.28%	4.52%
30	1	-15.148	-15.205	0.058	-0.38%	6.09%
30	2	-15.080	-15.126	0.046	-0.30%	4.86%
30	3	-15.108	-15.148	0.041	-0.27%	4.30%
30	4	-15.080	-15.109	0.030	-0.20%	3.16%
30	5	-15.099	-15.123	0.023	-0.15%	2.46%
30	6 U	-15.032	-15.092	0.060	-0.40%	6.40%
30	7 U	-15.093	-15.141	0.048	-0.32%	5.08%
30	8 U	-15.090	-15.129	0.039	-0.26%	4.17%
30	9 U	-15.161	-15.201	0.040	-0.26%	4.22%
30	10 U	-15.042	-15.084	0.042	-0.28%	4.43%
50	11	-15.047	-15.055	0.008	-0.05%	0.85%
50	12	-15.096	-15.112	0.016	-0.10%	1.65%
50	13	-15.084	-15.108	0.024	-0.16%	2.49%
50	14	-15.165	-15.182	0.017	-0.11%	1.75%
50	15	-15.156	-15.185	0.029	-0.19%	3.11%
50	16 U	-15.064	-15.094	0.030	-0.20%	3.12%
50	17 U	-15.103	-15.156	0.053	-0.35%	5.58%
50	18 U	-15.129	-15.157	0.028	-0.19%	2.97%
50	19 U	-15.049	-15.097	0.048	-0.32%	5.09%
50	20 U	-15.215	-15.083	-0.132	0.87%	13.96%
100	21	-15.083	-15.195	0.112	-0.74%	11.86%
100	22	-15.116	-15.102	-0.014	0.09%	1.46%
100	23	-15.070	-15.040	-0.031	0.20%	3.23%
100	24	-15.087	-15.028	-0.058	0.39%	6.17%
100	25	-15.120	-15.071	-0.050	0.33%	5.24%
100	26 U	-15.090	-15.117	0.028	-0.18%	2.91%
100	27 U	-15.181	-15.203	0.022	-0.14%	2.30%
100	28 U	-15.117	-15.151	0.034	-0.23%	3.64%
100	29 U	-15.065	-15.071	0.006	-0.04%	0.64%
100	30 U	-15.108	-15.120	0.012	-0.08%	1.29%
Max		-15.032	-15.028	0.112	0.87%	13.96%
Average		-15.100	-15.122	0.022	-0.15%	4.21%
Min		-15.215	-15.205	-0.132	-0.74%	0.64%
Std Dev		0.043	0.047	0.043	0.28%	2.80%



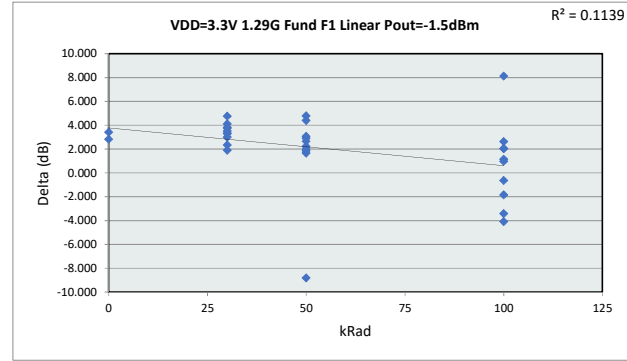
VDD=3.3V 1.29G Fund F2 Pout=-				
Test Site				
Tester				
Test Number				
Max Limit	-14.64897774		dB	
Min Limit	-15.59441097		dB	
kRad	0	30	50	100
LL	-15.594	-15.594	-15.594	-15.594
Min	-15.113	-15.205	-15.185	-15.203
Average	-15.105	-15.136	-15.123	-15.110
Max	-15.096	-15.084	-15.055	-15.028
UL	-14.649	-14.649	-14.649	-14.649



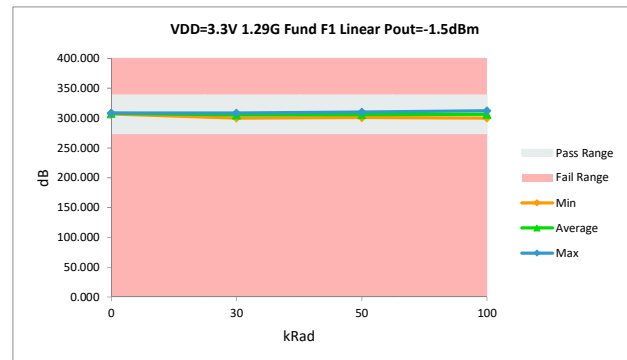
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G Fund F1 Linear		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	338.8921518	338.8921518
Min Limit	272.9960986	272.9960986

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	310.557	307.135	3.422	1.10%	5.19%
0	C2	311.203	308.378	2.824	0.91%	4.29%
30	1	304.629	300.525	4.104	1.35%	6.23%
30	2	309.420	306.128	3.292	1.06%	5.00%
30	3	307.396	304.397	2.999	0.98%	4.55%
30	4	309.623	307.290	2.333	0.75%	3.54%
30	5	308.084	306.183	1.901	0.62%	2.88%
30	6 U	312.899	308.140	4.759	1.52%	7.22%
30	7 U	308.546	304.736	3.809	1.23%	5.78%
30	8 U	308.763	305.440	3.323	1.08%	5.04%
30	9 U	303.788	300.280	3.508	1.15%	5.32%
30	10 U	312.268	308.517	3.752	1.20%	5.69%
50	11	311.794	310.124	1.670	0.54%	2.53%
50	12	308.136	306.281	1.855	0.60%	2.82%
50	13	309.319	306.679	2.639	0.85%	4.01%
50	14	303.581	301.587	1.994	0.66%	3.03%
50	15	304.106	301.201	2.905	0.96%	4.41%
50	16 U	310.607	307.548	3.059	0.98%	4.64%
50	17 U	307.812	303.026	4.786	1.55%	7.26%
50	18 U	305.866	303.642	2.224	0.73%	3.38%
50	19 U	311.846	307.438	4.408	1.41%	6.69%
50	20 U	299.763	308.565	-8.802	-2.94%	13.36%
100	21	309.025	300.902	8.123	2.63%	12.33%
100	22	306.468	307.105	-0.637	-0.21%	0.97%
100	23	309.967	311.819	-1.852	-0.60%	2.81%
100	24	308.378	312.463	-4.085	-1.32%	6.20%
100	25	306.034	309.451	-3.417	-1.12%	5.19%
100	26 U	308.320	306.284	2.037	0.66%	3.09%
100	27 U	302.149	300.101	2.048	0.68%	3.11%
100	28 U	306.398	303.766	2.632	0.86%	3.99%
100	29 U	310.102	309.125	0.977	0.32%	1.48%
100	30 U	307.108	305.956	1.153	0.38%	1.75%
	Max	312.899	312.463	8.123	2.63%	13.36%
	Average	307.936	305.944	1.992	0.64%	4.81%
	Min	299.763	300.101	-8.802	-2.94%	0.97%
	Std Dev	3.070	3.295	3.051	1.00%	2.65%



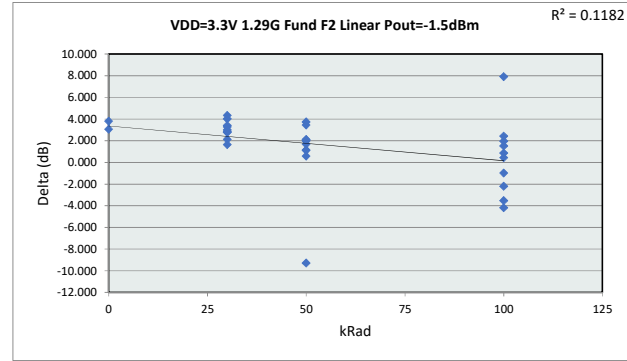
VDD=3.3V 1.29G Fund F1 Linear				
Test Site				
Tester				
Test Number				
Max Limit	338.8921518	dB		
Min Limit	272.9960986	dB		
kRad	0	30	50	100
LL	272.996	272.996	272.996	272.996
Min	307.135	300.280	301.201	300.101
Average	307.757	305.164	305.609	306.697
Max	308.378	308.517	310.124	312.463
UL	338.892	338.892	338.892	338.892



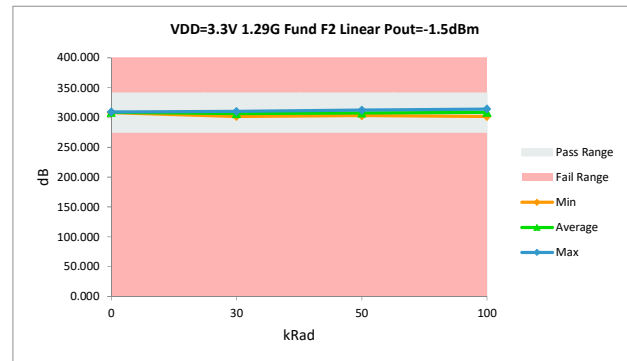
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G Fund F2 Linear		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	340.9514642	340.9514642
Min Limit	274.0632014	274.0632014

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	311.881	308.073	3.807	1.22%	5.69%
0	C2	312.378	309.322	3.056	0.98%	4.57%
30	1	305.668	301.645	4.023	1.32%	6.01%
30	2	310.474	307.206	3.268	1.05%	4.89%
30	3	308.492	305.615	2.877	0.93%	4.30%
30	4	310.490	308.362	2.127	0.69%	3.18%
30	5	309.077	307.426	1.651	0.53%	2.47%
30	6 U	313.939	309.599	4.341	1.38%	6.49%
30	7 U	309.518	306.113	3.405	1.10%	5.09%
30	8 U	309.742	306.943	2.799	0.90%	4.19%
30	9 U	304.718	301.935	2.784	0.91%	4.16%
30	10 U	313.167	310.163	3.005	0.96%	4.49%
50	11	312.840	312.262	0.578	0.18%	0.86%
50	12	309.283	308.176	1.107	0.36%	1.65%
50	13	310.169	308.495	1.674	0.54%	2.50%
50	14	304.412	303.256	1.155	0.38%	1.73%
50	15	305.073	303.014	2.059	0.67%	3.08%
50	16 U	311.578	309.466	2.112	0.68%	3.16%
50	17 U	308.793	305.065	3.728	1.21%	5.57%
50	18 U	306.988	305.009	1.978	0.64%	2.96%
50	19 U	312.715	309.266	3.448	1.10%	5.16%
50	20 U	300.966	310.256	-9.290	-3.09%	13.89%
100	21	310.230	302.322	7.908	2.55%	11.82%
100	22	307.889	308.871	-0.983	-0.32%	1.47%
100	23	311.139	313.333	-2.194	-0.71%	3.28%
100	24	309.983	314.178	-4.195	-1.35%	6.27%
100	25	307.591	311.122	-3.531	-1.15%	5.28%
100	26 U	309.754	307.799	1.956	0.63%	2.92%
100	27 U	303.297	301.782	1.515	0.50%	2.26%
100	28 U	307.841	305.413	2.428	0.79%	3.63%
100	29 U	311.558	311.127	0.432	0.14%	0.65%
100	30 U	308.488	307.622	0.866	0.28%	1.30%
	Max	313.939	314.178	7.908	2.55%	13.89%
	Average	309.067	307.507	1.559	0.50%	4.22%
	Min	300.966	301.645	-9.290	-3.09%	0.65%
	Std Dev	3.056	3.344	3.033	0.99%	2.79%



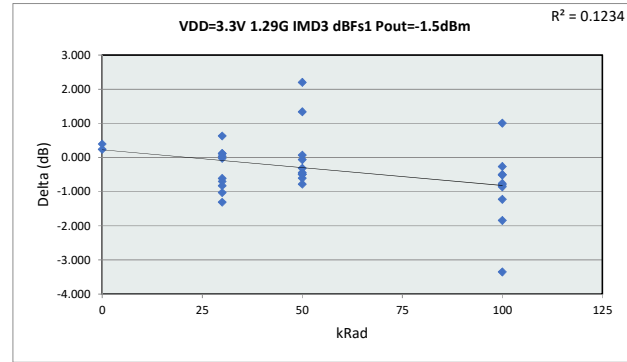
VDD=3.3V 1.29G Fund F2 Linear				
Test Site				
Tester				
Test Number				
Max Limit	340.9514642		dB	
Min Limit	274.0632014		dB	
kRad	0	30	50	100
LL	274.063	274.063	274.063	274.063
Min	308.073	301.645	303.014	301.782
Average	308.698	306.501	307.427	308.357
Max	309.322	310.163	312.262	314.178
UL	340.951	340.951	340.951	340.951



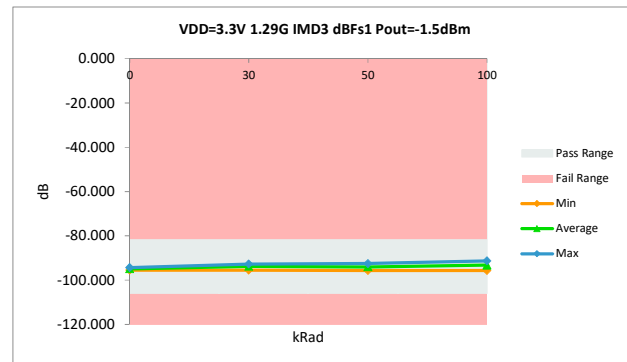
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G IMD3 dBFs1 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-81.4188713	-81.4188713
Min Limit	-106.0268947	-106.0268947

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-95.216	-95.455	0.240	-0.25%	0.97%
0	C2	-93.980	-94.376	0.396	-0.42%	1.61%
30	1	-92.821	-92.934	0.113	-0.12%	0.46%
30	2	-93.642	-92.816	-0.826	0.88%	3.36%
30	3	-93.402	-92.791	-0.611	0.65%	2.48%
30	4	-96.031	-94.723	-1.308	1.36%	5.31%
30	5	-95.372	-95.493	0.121	-0.13%	0.49%
30	6 U	-95.740	-94.711	-1.029	1.07%	4.18%
30	7 U	-93.206	-93.836	0.630	-0.68%	2.56%
30	8 U	-94.060	-93.358	-0.702	0.75%	2.85%
30	9 U	-93.850	-93.888	0.038	-0.04%	0.15%
30	10 U	-92.754	-92.727	-0.027	0.03%	0.11%
50	11	-92.782	-94.120	1.338	-1.44%	5.44%
50	12	-95.278	-94.967	-0.311	0.33%	1.26%
50	13	-94.208	-93.764	-0.444	0.47%	1.80%
50	14	-93.669	-92.888	-0.781	0.83%	3.17%
50	15	-93.052	-92.565	-0.488	0.52%	1.98%
50	16 U	-93.782	-93.295	-0.486	0.52%	1.98%
50	17 U	-95.892	-95.286	-0.606	0.63%	2.46%
50	18 U	-92.535	-92.603	0.067	-0.07%	0.27%
50	19 U	-94.814	-94.753	-0.061	0.06%	0.25%
50	20 U	-93.459	-95.659	2.200	-2.35%	8.94%
100	21	-96.194	-92.845	-3.349	3.48%	13.61%
100	22	-94.822	-94.561	-0.261	0.28%	1.06%
100	23	-93.198	-92.702	-0.495	0.53%	2.01%
100	24	-96.340	-94.502	-1.838	1.91%	7.47%
100	25	-94.663	-95.672	1.009	-1.07%	4.10%
100	26 U	-95.007	-94.248	-0.758	0.80%	3.08%
100	27 U	-92.253	-91.744	-0.509	0.55%	2.07%
100	28 U	-92.293	-91.437	-0.856	0.93%	3.48%
100	29 U	-93.877	-93.084	-0.793	0.84%	3.22%
100	30 U	-92.551	-91.329	-1.222	1.32%	4.97%
	Max	-92.253	-91.329	2.200	3.48%	13.61%
	Average	-94.086	-93.723	-0.363	0.38%	3.04%
	Min	-96.340	-95.672	-3.349	-2.35%	0.11%
	Std Dev	1.223	1.230	0.963	1.02%	2.83%



VDD=3.3V 1.29G IMD3 dBFs1				
Test Site				
Tester				
Test Number				
Max Limit	-81.4188713	dB		
Min Limit	-106.0268947	dB		
kRad	0	30	50	100
LL	-106.027	-106.027	-106.027	-106.027
Min	-95.455	-95.493	-95.659	-95.672
Average	-94.916	-93.728	-93.990	-93.212
Max	-94.376	-92.727	-92.565	-91.329
UL	-81.419	-81.419	-81.419	-81.419

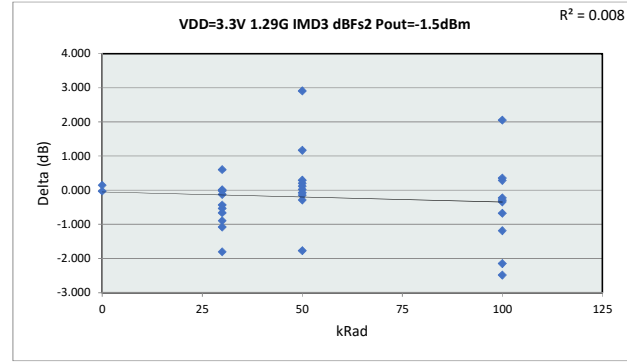


QMLP TID Report
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VDD=3.3V 1.29G IMD3 dBFs2 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-81.57129413	-81.57129413
Min Limit	-106.1299197	-106.1299197

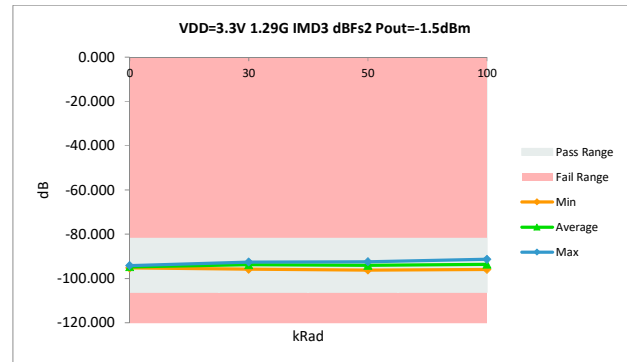
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-95.254	-95.228	-0.027	0.03%	0.11%
0	C2	-94.025	-94.174	0.149	-0.16%	0.61%
30	1	-92.580	-92.567	-0.013	0.01%	0.05%
30	2	-93.486	-93.501	0.015	-0.02%	0.06%
30	3	-92.964	-93.565	0.601	-0.65%	2.45%
30	4	-96.343	-95.810	-0.533	0.55%	2.17%
30	5	-94.679	-94.557	-0.123	0.13%	0.50%
30	6 U	-96.541	-94.739	-1.803	1.87%	7.34%
30	7 U	-93.744	-93.080	-0.664	0.71%	2.70%
30	8 U	-94.326	-93.248	-1.078	1.14%	4.39%
30	9 U	-93.888	-93.458	-0.430	0.46%	1.75%
30	10 U	-93.959	-93.069	-0.890	0.95%	3.62%
50	11	-94.014	-94.039	0.025	-0.03%	0.10%
50	12	-95.273	-95.476	0.203	-0.21%	0.83%
50	13	-94.162	-93.879	-0.283	0.30%	1.15%
50	14	-92.564	-92.491	-0.074	0.08%	0.30%
50	15	-92.555	-92.413	-0.142	0.15%	0.58%
50	16 U	-93.489	-93.611	0.121	-0.13%	0.49%
50	17 U	-94.962	-95.257	0.295	-0.31%	1.20%
50	18 U	-92.452	-93.624	1.171	-1.27%	4.77%
50	19 U	-95.490	-93.721	-1.770	1.85%	7.21%
50	20 U	-93.261	-96.169	2.908	-3.12%	11.84%
100	21	-95.320	-92.839	-2.481	2.60%	10.10%
100	22	-95.524	-95.298	-0.226	0.24%	0.92%
100	23	-93.853	-92.667	-1.187	1.26%	4.83%
100	24	-95.023	-94.347	-0.675	0.71%	2.75%
100	25	-93.845	-95.898	2.053	-2.19%	8.36%
100	26 U	-95.031	-94.691	-0.339	0.36%	1.38%
100	27 U	-92.137	-92.491	0.354	-0.38%	1.44%
100	28 U	-92.193	-91.903	-0.290	0.31%	1.18%
100	29 U	-93.838	-94.125	0.288	-0.31%	1.17%
100	30 U	-93.427	-91.284	-2.143	2.29%	8.72%
Max		-92.137	-91.284	2.908	2.60%	11.84%
Average		-94.069	-93.851	-0.218	0.23%	2.97%
Min		-96.541	-96.169	-2.481	-3.12%	0.05%
Std Dev		1.175	1.228	1.070	1.14%	3.27%



VDD=3.3V 1.29G IMD3 dBFs2

Test Site		
Tester		
Test Number		
Max Limit	-81.57129413	dB
Min Limit	-106.1299197	dB

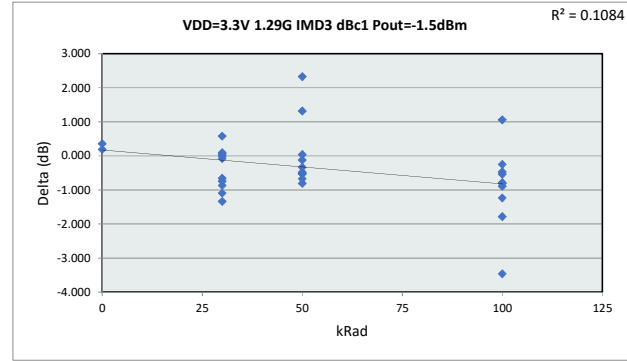
kRad	0	30	50	100
LL	-106.130	-106.130	-106.130	-106.130
Min	-95.228	-95.810	-96.169	-95.898
Average	-94.701	-93.759	-94.068	-93.554
Max	-94.174	-92.567	-92.413	-91.284
UL	-81.571	-81.571	-81.571	-81.571



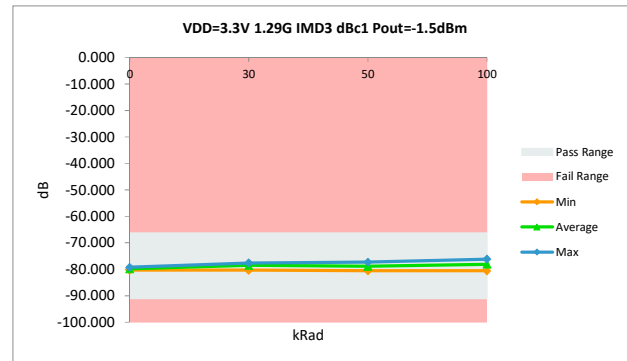
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G IMD3 dBc1 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-66.07776307	-66.07776307
Min Limit	-91.08035661	-91.08035661

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-80.137	-80.329	0.192	-0.24%	0.77%
0	C2	-78.911	-79.267	0.356	-0.45%	1.43%
30	1	-77.658	-77.712	0.054	-0.07%	0.22%
30	2	-78.547	-77.675	-0.872	1.11%	3.49%
30	3	-78.279	-77.625	-0.654	0.84%	2.61%
30	4	-80.939	-79.599	-1.340	1.66%	5.36%
30	5	-80.258	-80.352	0.094	-0.12%	0.38%
30	6 U	-80.694	-79.598	-1.095	1.36%	4.38%
30	7 U	-78.099	-78.675	0.576	-0.74%	2.30%
30	8 U	-78.956	-78.207	-0.749	0.95%	3.00%
30	9 U	-78.676	-78.663	-0.012	0.02%	0.05%
30	10 U	-77.699	-77.619	-0.080	0.10%	0.32%
50	11	-77.721	-79.035	1.315	-1.69%	5.26%
50	12	-80.165	-79.828	-0.337	0.42%	1.35%
50	13	-79.112	-78.631	-0.481	0.61%	1.92%
50	14	-78.491	-77.682	-0.809	1.03%	3.24%
50	15	-77.883	-77.353	-0.529	0.68%	2.12%
50	16 U	-78.704	-78.174	-0.529	0.67%	2.12%
50	17 U	-80.775	-80.101	-0.674	0.83%	2.70%
50	18 U	-77.391	-77.426	0.036	-0.05%	0.14%
50	19 U	-79.754	-79.631	-0.123	0.15%	0.49%
50	20 U	-78.227	-80.552	2.325	-2.97%	9.30%
100	21	-81.094	-77.629	-3.465	4.27%	13.86%
100	22	-79.686	-79.434	-0.252	0.32%	1.01%
100	23	-78.111	-77.641	-0.469	0.60%	1.88%
100	24	-81.231	-79.450	-1.781	2.19%	7.12%
100	25	-79.520	-80.578	1.058	-1.33%	4.23%
100	26 U	-79.897	-79.110	-0.787	0.99%	3.15%
100	27 U	-77.055	-76.517	-0.539	0.70%	2.15%
100	28 U	-77.156	-76.263	-0.893	1.16%	3.57%
100	29 U	-78.792	-77.985	-0.807	1.02%	3.23%
100	30 U	-77.424	-76.185	-1.238	1.60%	4.95%
	Max	-77.055	-76.185	2.325	4.27%	13.86%
	Average	-78.970	-78.579	-0.391	0.49%	3.07%
	Min	-81.231	-80.578	-3.465	-2.97%	0.05%
	Std Dev	1.238	1.250	0.984	1.23%	2.88%



VDD=3.3V 1.29G IMD3 dBc1 Pout=-1.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-66.07776307		dB	
Min Limit	-91.08035661		dB	
kRad	0	30	50	100
LL	-91.080	-91.080	-91.080	-91.080
Min	-80.329	-80.352	-80.552	-80.578
Average	-79.798	-78.573	-78.841	-78.079
Max	-79.267	-77.619	-77.353	-76.185
UL	-66.078	-66.078	-66.078	-66.078

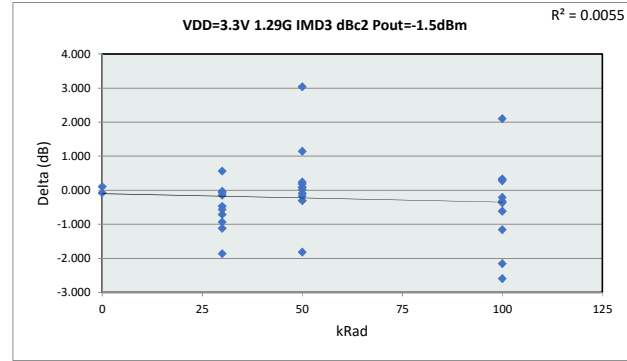


QMLP TID Report

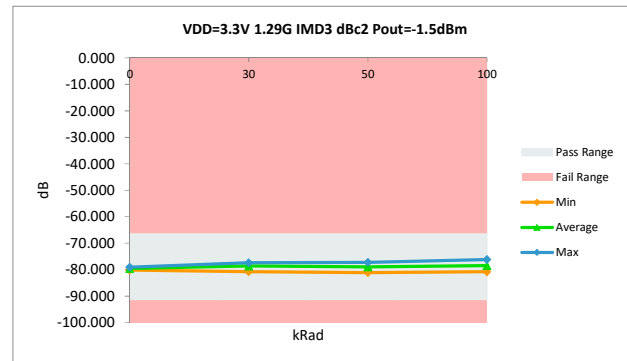
TRF0208 QMLP

VDD=3.3V 1.29G IMD3 dBc2 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-66.23575792	-66.23575792
Min Limit	-91.22206822	-91.22206822

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-80.194	-80.114	-0.080	0.10%	0.32%
0	C2	-78.972	-79.079	0.107	-0.14%	0.43%
30	1	-77.432	-77.362	-0.070	0.09%	0.28%
30	2	-78.406	-78.375	-0.031	0.04%	0.12%
30	3	-77.856	-78.417	0.560	-0.72%	2.24%
30	4	-81.263	-80.701	-0.563	0.69%	2.25%
30	5	-79.580	-79.434	-0.146	0.18%	0.58%
30	6 U	-81.510	-79.647	-1.863	2.29%	7.46%
30	7 U	-78.651	-77.939	-0.712	0.91%	2.85%
30	8 U	-79.236	-78.119	-1.117	1.41%	4.47%
30	9 U	-78.727	-78.257	-0.469	0.60%	1.88%
30	10 U	-78.917	-77.985	-0.932	1.18%	3.73%
50	11	-78.967	-78.984	0.017	-0.02%	0.07%
50	12	-80.176	-80.364	0.188	-0.23%	0.75%
50	13	-79.078	-78.771	-0.306	0.39%	1.23%
50	14	-77.399	-77.309	-0.090	0.12%	0.36%
50	15	-77.399	-77.228	-0.171	0.22%	0.69%
50	16 U	-78.425	-78.517	0.092	-0.12%	0.37%
50	17 U	-79.859	-80.101	0.242	-0.30%	0.97%
50	18 U	-77.324	-78.467	1.143	-1.48%	4.57%
50	19 U	-80.442	-78.624	-1.818	2.26%	7.27%
50	20 U	-78.046	-81.086	3.040	-3.89%	12.17%
100	21	-80.237	-77.643	-2.593	3.23%	10.38%
100	22	-80.408	-80.196	-0.212	0.26%	0.85%
100	23	-78.783	-77.627	-1.156	1.47%	4.63%
100	24	-79.936	-79.319	-0.617	0.77%	2.47%
100	25	-78.724	-80.827	2.103	-2.67%	8.42%
100	26 U	-79.941	-79.574	-0.367	0.46%	1.47%
100	27 U	-76.956	-77.288	0.332	-0.43%	1.33%
100	28 U	-77.076	-76.752	-0.324	0.42%	1.30%
100	29 U	-78.773	-79.055	0.282	-0.36%	1.13%
100	30 U	-78.320	-76.165	-2.155	2.75%	8.62%
	Max	-76.956	-76.165	3.040	3.23%	12.17%
	Average	-78.969	-78.729	-0.240	0.30%	2.99%
	Min	-81.510	-81.086	-2.593	-3.89%	0.07%
	Std Dev	1.201	1.249	1.096	1.39%	3.31%



VDD=3.3V 1.29G IMD3 dBc2 Pout=-1.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-66.23575792			dB
Min Limit	-91.22206822			dB
kRad	0	30	50	100
LL	-91.222	-91.222	-91.222	-91.222
Min	-80.114	-80.701	-81.086	-80.827
Average	-79.596	-78.624	-78.945	-78.445
Max	-79.079	-77.362	-77.228	-76.165
UL	-66.236	-66.236	-66.236	-66.236

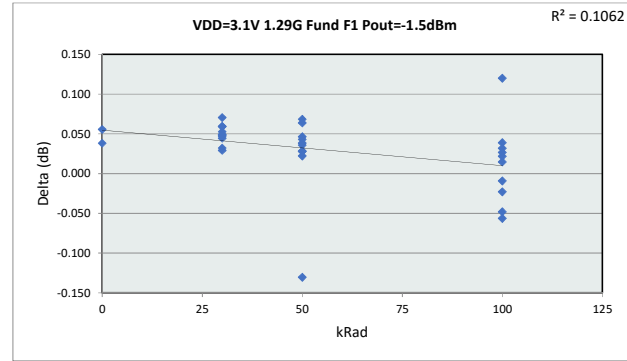


QMLP TID Report

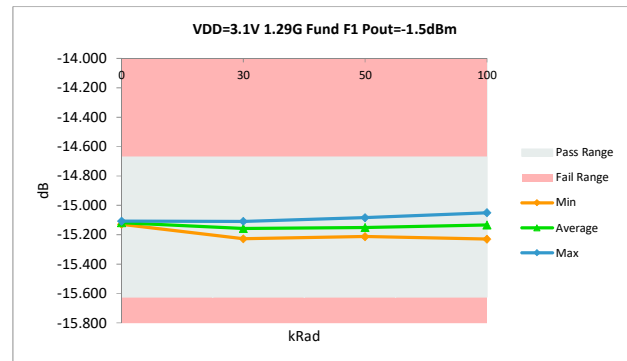
TRF0208 QMLP

VDD=3.1V 1.29G Fund F1 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.66699012	-14.66699012
Min Limit	-15.62269894	-15.62269894

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.073	-15.128	0.056	-0.37%	5.81%
0	C2	-15.069	-15.107	0.038	-0.25%	4.00%
30	1	-15.164	-15.223	0.060	-0.39%	6.23%
30	2	-15.097	-15.141	0.044	-0.29%	4.65%
30	3	-15.121	-15.170	0.048	-0.32%	5.06%
30	4	-15.090	-15.122	0.032	-0.21%	3.38%
30	5	-15.111	-15.140	0.029	-0.19%	3.06%
30	6 U	-15.046	-15.117	0.071	-0.47%	7.39%
30	7 U	-15.105	-15.164	0.059	-0.39%	6.21%
30	8 U	-15.106	-15.153	0.047	-0.31%	4.94%
30	9 U	-15.177	-15.227	0.049	-0.33%	5.17%
30	10 U	-15.056	-15.109	0.053	-0.35%	5.51%
50	11	-15.061	-15.083	0.022	-0.15%	2.33%
50	12	-15.109	-15.137	0.028	-0.19%	2.96%
50	13	-15.098	-15.136	0.038	-0.25%	4.02%
50	14	-15.179	-15.207	0.028	-0.19%	2.95%
50	15	-15.170	-15.213	0.043	-0.28%	4.51%
50	16 U	-15.080	-15.126	0.047	-0.31%	4.87%
50	17 U	-15.118	-15.186	0.068	-0.45%	7.15%
50	18 U	-15.145	-15.181	0.036	-0.24%	3.75%
50	19 U	-15.060	-15.124	0.064	-0.42%	6.68%
50	20 U	-15.233	-15.103	-0.130	0.86%	13.64%
100	21	-15.098	-15.218	0.120	-0.80%	12.57%
100	22	-15.134	-15.125	-0.009	0.06%	0.95%
100	23	-15.087	-15.064	-0.023	0.15%	2.39%
100	24	-15.106	-15.050	-0.056	0.37%	5.90%
100	25	-15.141	-15.093	-0.048	0.32%	5.03%
100	26 U	-15.108	-15.140	0.032	-0.21%	3.35%
100	27 U	-15.203	-15.230	0.027	-0.17%	2.78%
100	28 U	-15.136	-15.175	0.039	-0.26%	4.08%
100	29 U	-15.081	-15.096	0.015	-0.10%	1.54%
100	30 U	-15.125	-15.147	0.022	-0.14%	2.28%
	Max	-15.046	-15.050	0.120	0.86%	13.64%
	Average	-15.115	-15.145	0.030	-0.20%	4.85%
	Min	-15.233	-15.230	-0.130	-0.80%	0.95%
	Std Dev	0.044	0.048	0.044	0.29%	2.70%



VDD=3.1V 1.29G Fund F1 Pout=-				
Test Site				
Tester				
Test Number				
Max Limit	-14.66699012	dB		
Min Limit	-15.62269894	dB		
kRad	0	30	50	100
LL	-15.623	-15.623	-15.623	-15.623
Min	-15.128	-15.227	-15.213	-15.230
Average	-15.118	-15.157	-15.150	-15.134
Max	-15.107	-15.109	-15.083	-15.050
UL	-14.667	-14.667	-14.667	-14.667



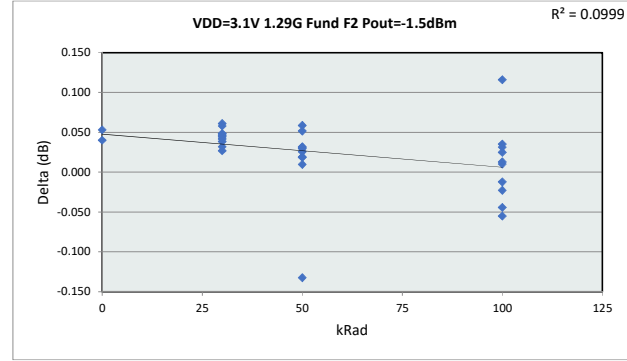
QMLP TID Report

TRF0208 QMLP

VDD=3.1V 1.29G Fund F2 Pout=

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.64898911	-14.64898911
Min Limit	-15.5975788	-15.5975788

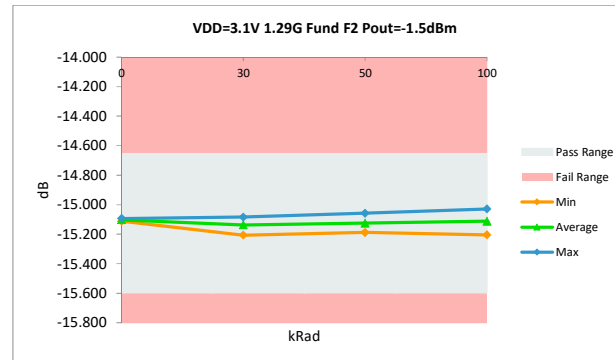
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.058	-15.111	0.053	-0.35%	5.60%
0	C2	-15.053	-15.093	0.040	-0.27%	4.22%
30	1	-15.148	-15.206	0.058	-0.38%	6.12%
30	2	-15.078	-15.126	0.048	-0.32%	5.06%
30	3	-15.106	-15.152	0.046	-0.30%	4.85%
30	4	-15.078	-15.110	0.032	-0.21%	3.36%
30	5	-15.098	-15.125	0.027	-0.18%	2.82%
30	6 U	-15.031	-15.092	0.061	-0.41%	6.43%
30	7 U	-15.091	-15.139	0.049	-0.32%	5.12%
30	8 U	-15.091	-15.133	0.042	-0.28%	4.41%
30	9 U	-15.161	-15.206	0.044	-0.29%	4.69%
30	10 U	-15.045	-15.083	0.038	-0.26%	4.05%
50	11	-15.048	-15.057	0.010	-0.06%	1.03%
50	12	-15.094	-15.113	0.019	-0.12%	1.98%
50	13	-15.081	-15.111	0.030	-0.20%	3.13%
50	14	-15.163	-15.182	0.019	-0.12%	1.99%
50	15	-15.157	-15.188	0.031	-0.21%	3.29%
50	16 U	-15.066	-15.098	0.032	-0.21%	3.36%
50	17 U	-15.103	-15.162	0.059	-0.39%	6.19%
50	18 U	-15.132	-15.157	0.026	-0.17%	2.70%
50	19 U	-15.047	-15.099	0.052	-0.34%	5.44%
50	20 U	-15.215	-15.083	-0.132	0.87%	13.96%
100	21	-15.080	-15.196	0.116	-0.77%	12.23%
100	22	-15.116	-15.104	-0.012	0.08%	1.28%
100	23	-15.067	-15.044	-0.023	0.15%	2.42%
100	24	-15.085	-15.029	-0.055	0.37%	5.81%
100	25	-15.115	-15.071	-0.044	0.29%	4.66%
100	26 U	-15.090	-15.121	0.031	-0.21%	3.32%
100	27 U	-15.180	-15.205	0.025	-0.16%	2.64%
100	28 U	-15.117	-15.152	0.035	-0.23%	3.73%
100	29 U	-15.065	-15.076	0.010	-0.07%	1.07%
100	30 U	-15.108	-15.121	0.013	-0.09%	1.36%
	Max	-15.031	-15.029	0.116	0.87%	13.96%
	Average	-15.099	-15.123	0.024	-0.16%	4.32%
	Min	-15.215	-15.206	-0.132	-0.77%	1.03%
	Std Dev	0.043	0.047	0.043	0.28%	2.79%



VDD=3.1V 1.29G Fund F2 Pout=

Test Site		
Tester		
Test Number		
Max Limit	-14.64898911	dB
Min Limit	-15.5975788	dB

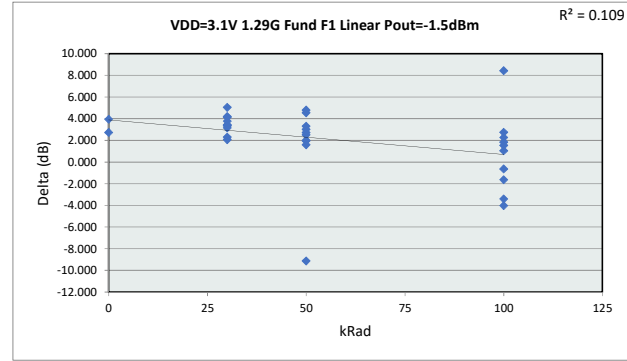
kRad	0	30	50	100
LL	-15.598	-15.598	-15.598	-15.598
Min	-15.111	-15.206	-15.188	-15.205
Average	-15.102	-15.137	-15.125	-15.112
Max	-15.093	-15.083	-15.057	-15.029
UL	-14.649	-14.649	-14.649	-14.649



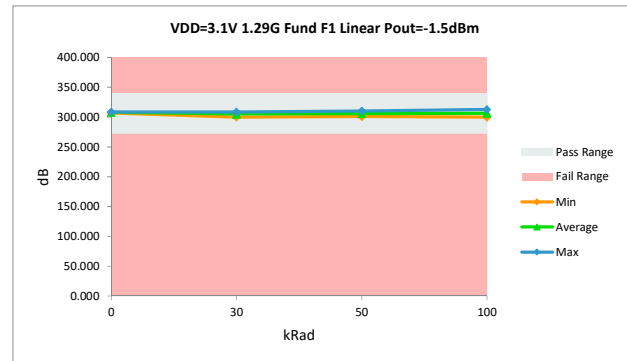
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G Fund F1 Linear		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	339.4932338	339.4932338
Min Limit	272.2525452	272.2525452

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	310.989	307.035	3.954	1.27%	5.88%
0	C2	311.260	308.534	2.726	0.88%	4.05%
30	1	304.537	300.391	4.146	1.36%	6.17%
30	2	309.270	306.120	3.150	1.02%	4.69%
30	3	307.506	304.104	3.402	1.11%	5.06%
30	4	309.741	307.447	2.294	0.74%	3.41%
30	5	308.267	306.199	2.068	0.67%	3.08%
30	6 U	312.871	307.822	5.049	1.61%	7.51%
30	7 U	308.668	304.478	4.190	1.36%	6.23%
30	8 U	308.610	305.275	3.336	1.08%	4.96%
30	9 U	303.588	300.153	3.435	1.13%	5.11%
30	10 U	312.174	308.411	3.763	1.21%	5.60%
50	11	311.805	310.212	1.593	0.51%	2.37%
50	12	308.392	306.390	2.002	0.65%	2.98%
50	13	309.192	306.466	2.726	0.88%	4.05%
50	14	303.479	301.517	1.962	0.65%	2.92%
50	15	304.092	301.089	3.003	0.99%	4.47%
50	16 U	310.483	307.176	3.307	1.07%	4.92%
50	17 U	307.773	302.969	4.804	1.56%	7.15%
50	18 U	305.861	303.349	2.512	0.82%	3.74%
50	19 U	311.882	307.334	4.548	1.46%	6.76%
50	20 U	299.679	308.811	-9.133	-3.05%	13.58%
100	21	309.161	300.724	8.437	2.73%	12.55%
100	22	306.627	307.271	-0.644	-0.21%	0.96%
100	23	309.982	311.619	-1.636	-0.53%	2.43%
100	24	308.588	312.618	-4.030	-1.31%	5.99%
100	25	306.125	309.535	-3.410	-1.11%	5.07%
100	26 U	308.465	306.197	2.268	0.74%	3.37%
100	27 U	301.770	299.928	1.842	0.61%	2.74%
100	28 U	306.486	303.750	2.736	0.89%	4.07%
100	29 U	310.371	309.324	1.047	0.34%	1.56%
100	30 U	307.223	305.683	1.540	0.50%	2.29%
	Max	312.871	312.618	8.437	2.73%	13.58%
	Average	307.966	305.873	2.093	0.68%	4.87%
	Min	299.679	299.928	-9.133	-3.05%	0.96%
	Std Dev	3.128	3.362	3.132	1.02%	2.70%



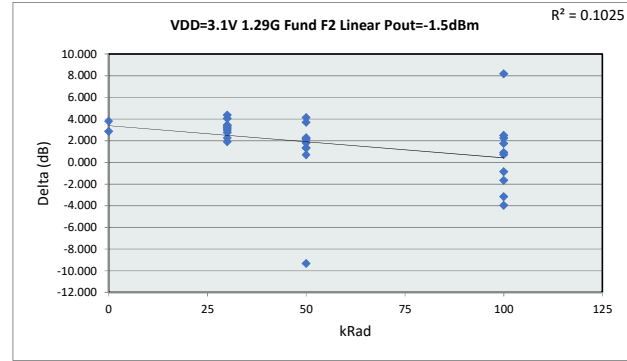
VDD=3.1V 1.29G Fund F1 Linear				
Test Site				
Tester				
Test Number				
Max Limit	339.4932338		dB	
Min Limit	272.2525452		dB	
kRad	0	30	50	100
LL	272.253	272.253	272.253	272.253
Min	307.035	300.153	301.089	299.928
Average	307.785	305.040	305.531	306.665
Max	308.534	308.411	310.212	312.618
UL	339.493	339.493	339.493	339.493



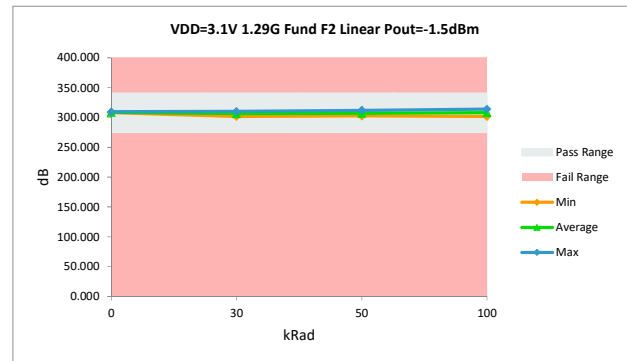
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G Fund F2 Linear		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	340.9338649	340.9338649
Min Limit	273.8559643	273.8559643

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	312.041	308.245	3.797	1.22%	5.66%
0	C2	312.369	309.503	2.866	0.92%	4.27%
30	1	305.659	301.604	4.056	1.33%	6.05%
30	2	310.608	307.195	3.414	1.10%	5.09%
30	3	308.602	305.348	3.254	1.05%	4.85%
30	4	310.589	308.319	2.270	0.73%	3.38%
30	5	309.141	307.241	1.900	0.61%	2.83%
30	6 U	313.971	309.594	4.378	1.39%	6.53%
30	7 U	309.683	306.241	3.442	1.11%	5.13%
30	8 U	309.663	306.693	2.969	0.96%	4.43%
30	9 U	304.686	301.583	3.103	1.02%	4.63%
30	10 U	312.989	310.232	2.756	0.88%	4.11%
50	11	312.783	312.082	0.701	0.22%	1.04%
50	12	309.465	308.127	1.337	0.43%	1.99%
50	13	310.367	308.251	2.116	0.68%	3.15%
50	14	304.593	303.272	1.322	0.43%	1.97%
50	15	304.998	302.812	2.187	0.72%	3.26%
50	16 U	311.427	309.150	2.277	0.73%	3.40%
50	17 U	308.784	304.639	4.146	1.34%	6.18%
50	18 U	306.793	304.987	1.806	0.59%	2.69%
50	19 U	312.818	309.123	3.695	1.18%	5.51%
50	20 U	300.948	310.263	-9.316	-3.10%	13.89%
100	21	310.453	302.269	8.184	2.64%	12.20%
100	22	307.913	308.777	-0.864	-0.28%	1.29%
100	23	311.391	313.038	-1.647	-0.53%	2.46%
100	24	310.131	314.090	-3.959	-1.28%	5.90%
100	25	307.978	311.128	-3.150	-1.02%	4.70%
100	26 U	309.773	307.536	2.237	0.72%	3.33%
100	27 U	303.388	301.647	1.741	0.57%	2.60%
100	28 U	307.849	305.353	2.495	0.81%	3.72%
100	29 U	311.501	310.775	0.726	0.23%	1.08%
100	30 U	308.438	307.523	0.915	0.30%	1.36%
	Max	313.971	314.090	8.184	2.64%	13.89%
	Average	309.118	307.395	1.724	0.55%	4.33%
	Min	300.948	301.583	-9.316	-3.10%	1.04%
	Std Dev	3.059	3.354	3.022	0.99%	2.78%



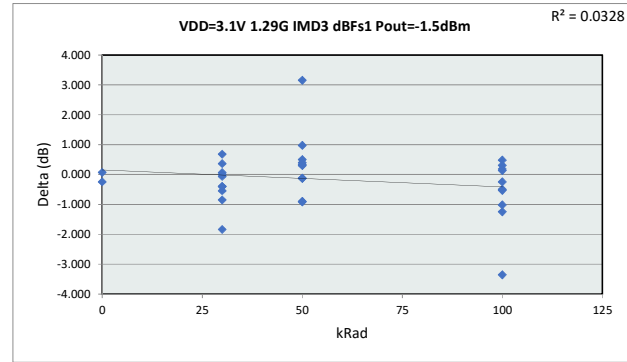
VDD=3.1V 1.29G Fund F2 Linear				
Test Site				
Tester				
Test Number				
Max Limit	340.9338649		dB	
Min Limit	273.8559643		dB	
kRad	0	30	50	100
LL	273.856	273.856	273.856	273.856
Min	308.245	301.583	302.812	301.647
Average	308.874	306.405	307.270	308.214
Max	309.503	310.232	312.082	314.090
UL	340.934	340.934	340.934	340.934



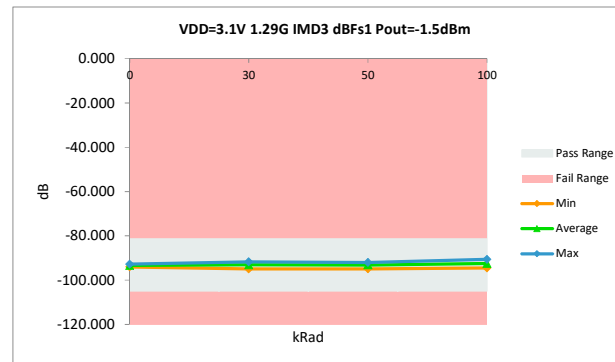
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G IMD3 dBFs1 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-80.99126703	-80.99126703
Min Limit	-104.898863	-104.898863

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-94.247	-94.007	-0.240	0.26%	1.01%
0	C2	-92.699	-92.774	0.075	-0.08%	0.31%
30	1	-92.227	-92.594	0.366	-0.40%	1.53%
30	2	-92.305	-91.760	-0.545	0.59%	2.28%
30	3	-92.384	-91.989	-0.394	0.43%	1.65%
30	4	-94.967	-94.973	0.005	-0.01%	0.02%
30	5	-93.803	-94.486	0.683	-0.73%	2.86%
30	6 U	-94.349	-94.287	-0.063	0.07%	0.26%
30	7 U	-92.749	-92.354	-0.395	0.43%	1.65%
30	8 U	-93.502	-92.655	-0.846	0.91%	3.54%
30	9 U	-94.459	-92.621	-1.837	1.95%	7.69%
30	10 U	-92.600	-92.669	0.069	-0.07%	0.29%
50	11	-92.474	-92.814	0.340	-0.37%	1.42%
50	12	-94.810	-93.899	-0.910	0.96%	3.81%
50	13	-93.318	-93.195	-0.123	0.13%	0.51%
50	14	-91.750	-92.250	0.501	-0.55%	2.10%
50	15	-91.697	-92.001	0.304	-0.33%	1.27%
50	16 U	-93.325	-92.425	-0.899	0.96%	3.76%
50	17 U	-94.304	-94.187	-0.118	0.12%	0.49%
50	18 U	-91.272	-92.253	0.981	-1.08%	4.10%
50	19 U	-93.404	-93.804	0.400	-0.43%	1.67%
50	20 U	-91.720	-94.876	3.157	-3.44%	13.20%
100	21	-94.822	-91.473	-3.349	3.53%	14.01%
100	22	-94.060	-94.544	0.485	-0.52%	2.03%
100	23	-92.134	-92.271	0.137	-0.15%	0.57%
100	24	-94.805	-93.562	-1.244	1.31%	5.20%
100	25	-94.204	-94.516	0.312	-0.33%	1.31%
100	26 U	-93.692	-93.883	0.190	-0.20%	0.80%
100	27 U	-91.289	-90.798	-0.491	0.54%	2.05%
100	28 U	-90.841	-90.602	-0.239	0.26%	1.00%
100	29 U	-93.198	-92.672	-0.526	0.56%	2.20%
100	30 U	-92.062	-91.048	-1.014	1.10%	4.24%
	Max	-90.841	-90.602	3.157	3.53%	14.01%
	Average	-93.108	-92.945	-0.163	0.17%	2.78%
	Min	-94.967	-94.973	-3.349	-3.44%	0.02%
	Std Dev	1.192	1.195	1.024	1.10%	3.30%



VDD=3.1V 1.29G IMD3 dBFs1				
Test Site				
Tester				
Test Number				
Max Limit	-80.99126703		dB	
Min Limit	-104.898863		dB	
kRad	0	30	50	100
LL	-104.899	-104.899	-104.899	-104.899
Min	-94.007	-94.973	-94.876	-94.544
Average	-93.390	-93.039	-93.170	-92.537
Max	-92.774	-91.760	-92.001	-90.602
UL	-80.991	-80.991	-80.991	-80.991

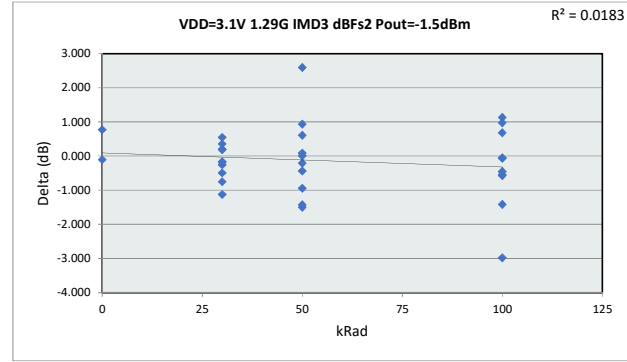


QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G IMD3 dBFs2 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-81.55580878	-81.55580878
Min Limit	-104.5891325	-104.5891325

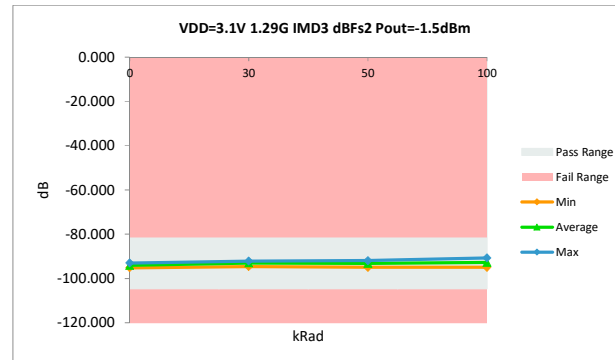
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-94.363	-95.134	0.771	-0.82%	3.35%
0	C2	-93.119	-93.015	-0.104	0.11%	0.45%
30	1	-92.302	-92.135	-0.167	0.18%	0.73%
30	2	-92.609	-92.805	0.196	-0.21%	0.85%
30	3	-92.317	-92.139	-0.178	0.19%	0.77%
30	4	-95.075	-94.583	-0.492	0.52%	2.13%
30	5	-94.142	-94.331	0.189	-0.20%	0.82%
30	6 U	-94.623	-93.501	-1.122	1.19%	4.87%
30	7 U	-93.169	-92.420	-0.749	0.80%	3.25%
30	8 U	-92.860	-92.606	-0.254	0.27%	1.10%
30	9 U	-92.489	-93.034	0.545	-0.59%	2.37%
30	10 U	-92.025	-92.379	0.354	-0.39%	1.54%
50	11	-93.033	-93.039	0.005	-0.01%	0.02%
50	12	-94.626	-94.188	-0.438	0.46%	1.90%
50	13	-94.551	-93.123	-1.428	1.51%	6.20%
50	14	-91.843	-92.452	0.609	-0.66%	2.64%
50	15	-91.228	-92.161	0.933	-1.02%	4.05%
50	16 U	-93.389	-93.474	0.084	-0.09%	0.37%
50	17 U	-95.508	-94.008	-1.500	1.57%	6.51%
50	18 U	-92.138	-91.931	-0.206	0.22%	0.90%
50	19 U	-94.042	-93.101	-0.940	1.00%	4.08%
50	20 U	-92.390	-94.981	2.591	-2.80%	11.25%
100	21	-95.152	-92.176	-2.976	3.13%	12.92%
100	22	-93.850	-94.981	1.131	-1.20%	4.91%
100	23	-92.406	-91.952	-0.454	0.49%	1.97%
100	24	-94.823	-93.408	-1.414	1.49%	6.14%
100	25	-93.915	-94.892	0.977	-1.04%	4.24%
100	26 U	-94.059	-94.006	-0.053	0.06%	0.23%
100	27 U	-91.664	-91.607	-0.057	0.06%	0.25%
100	28 U	-91.289	-90.721	-0.569	0.62%	2.47%
100	29 U	-92.207	-92.889	0.682	-0.74%	2.96%
100	30 U	-91.690	-91.146	-0.544	0.59%	2.36%
	Max	-91.228	-90.721	2.591	3.13%	12.92%
	Average	-93.216	-93.072	-0.143	0.15%	3.08%
	Min	-95.508	-95.134	-2.976	-2.80%	0.02%
	Std Dev	1.234	1.152	0.990	1.05%	3.01%



VDD=3.1V 1.29G IMD3 dBFs2

Test Site		
Tester		
Test Number		
Max Limit	-81.55580878	dB
Min Limit	-104.5891325	dB

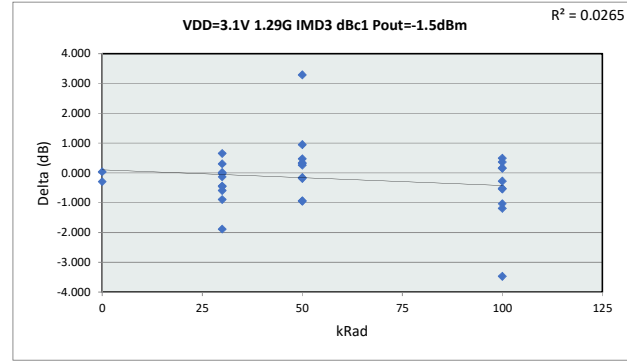
kRad	0	30	50	100
LL	-104.589	-104.589	-104.589	-104.589
Min	-95.134	-94.583	-94.981	-94.981
Average	-94.075	-92.993	-93.246	-92.778
Max	-93.015	-92.135	-91.931	-90.721
UL	-81.556	-81.556	-81.556	-81.556



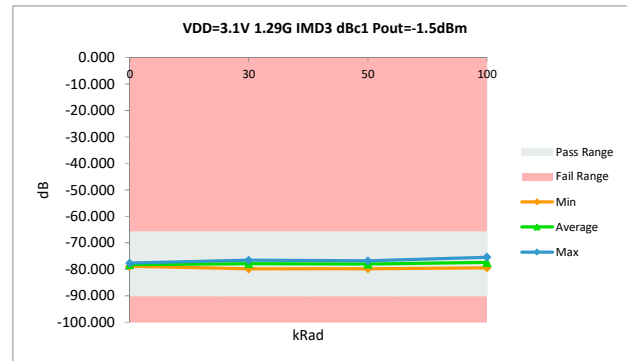
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G IMD3 dBc1 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-65.61647495	-65.61647495
Min Limit	-89.98396889	-89.98396889

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-79.175	-78.879	-0.296	0.37%	1.21%
0	C2	-77.630	-77.667	0.037	-0.05%	0.15%
30	1	-77.064	-77.371	0.307	-0.40%	1.26%
30	2	-77.208	-76.619	-0.589	0.76%	2.42%
30	3	-77.262	-76.820	-0.443	0.57%	1.82%
30	4	-79.877	-79.850	-0.027	0.03%	0.11%
30	5	-78.692	-79.346	0.654	-0.83%	2.68%
30	6 U	-79.303	-79.170	-0.133	0.17%	0.55%
30	7 U	-77.644	-77.189	-0.454	0.59%	1.86%
30	8 U	-78.396	-77.502	-0.894	1.14%	3.67%
30	9 U	-79.281	-77.394	-1.887	2.38%	7.74%
30	10 U	-77.544	-77.560	0.017	-0.02%	0.07%
50	11	-77.413	-77.731	0.317	-0.41%	1.30%
50	12	-79.701	-78.762	-0.939	1.18%	3.85%
50	13	-78.220	-78.059	-0.161	0.21%	0.66%
50	14	-76.571	-77.044	0.473	-0.62%	1.94%
50	15	-76.527	-76.788	0.261	-0.34%	1.07%
50	16 U	-78.245	-77.299	-0.946	1.21%	3.88%
50	17 U	-79.187	-79.001	-0.186	0.24%	0.76%
50	18 U	-76.127	-77.073	0.945	-1.24%	3.88%
50	19 U	-78.344	-78.680	0.336	-0.43%	1.38%
50	20 U	-76.486	-79.773	3.287	-4.30%	13.49%
100	21	-79.724	-76.255	-3.470	4.35%	14.24%
100	22	-78.926	-79.420	0.494	-0.63%	2.03%
100	23	-77.047	-77.207	0.160	-0.21%	0.66%
100	24	-79.699	-78.512	-1.187	1.49%	4.87%
100	25	-79.063	-79.423	0.360	-0.46%	1.48%
100	26 U	-78.584	-78.743	0.158	-0.20%	0.65%
100	27 U	-76.086	-75.568	-0.518	0.68%	2.12%
100	28 U	-75.705	-75.427	-0.278	0.37%	1.14%
100	29 U	-78.117	-77.576	-0.541	0.69%	2.22%
100	30 U	-76.936	-75.901	-1.036	1.35%	4.25%
	Max	-75.705	-75.427	3.287	4.35%	14.24%
	Average	-77.993	-77.800	-0.193	0.24%	2.79%
	Min	-79.877	-79.850	-3.470	-4.30%	0.07%
	Std Dev	1.211	1.218	1.050	1.34%	3.34%



VDD=3.1V 1.29G IMD3 dBc1 Pout=-1.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-65.61647495			dB
Min Limit	-89.98396889			dB
kRad	0	30	50	100
LL	-89.984	-89.984	-89.984	-89.984
Min	-78.879	-79.850	-79.773	-79.423
Average	-78.273	-77.882	-78.021	-77.403
Max	-77.667	-76.619	-76.788	-75.427
UL	-65.616	-65.616	-65.616	-65.616

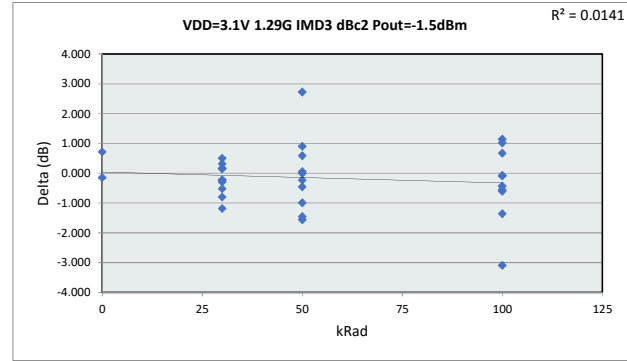


QMLP TID Report

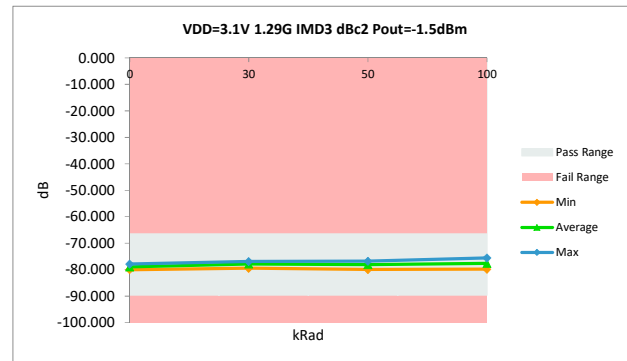
TRF0208 QMLP

VDD=3.1V 1.29G IMD3 dBc2 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-66.23842171	-66.23842171
Min Limit	-89.65995189	-89.65995189

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-79.306	-80.023	0.718	-0.90%	3.06%
0	C2	-78.066	-77.922	-0.144	0.18%	0.62%
30	1	-77.154	-76.929	-0.225	0.29%	0.96%
30	2	-77.531	-77.679	0.148	-0.19%	0.63%
30	3	-77.211	-76.986	-0.224	0.29%	0.96%
30	4	-79.997	-79.473	-0.523	0.65%	2.23%
30	5	-79.044	-79.206	0.162	-0.21%	0.69%
30	6 U	-79.592	-78.409	-1.183	1.49%	5.05%
30	7 U	-78.078	-77.281	-0.798	1.02%	3.41%
30	8 U	-77.769	-77.473	-0.296	0.38%	1.26%
30	9 U	-77.327	-77.828	0.501	-0.65%	2.14%
30	10 U	-76.980	-77.296	0.316	-0.41%	1.35%
50	11	-77.986	-77.981	-0.005	0.01%	0.02%
50	12	-79.532	-79.075	-0.457	0.57%	1.95%
50	13	-79.470	-78.012	-1.458	1.83%	6.22%
50	14	-76.681	-77.270	0.590	-0.77%	2.52%
50	15	-76.071	-76.973	0.902	-1.19%	3.85%
50	16 U	-78.323	-78.376	0.053	-0.07%	0.22%
50	17 U	-80.405	-78.846	-1.559	1.94%	6.66%
50	18 U	-77.006	-76.774	-0.232	0.30%	0.99%
50	19 U	-78.994	-78.002	-0.992	1.26%	4.24%
50	20 U	-77.175	-79.899	2.724	-3.53%	11.63%
100	21	-80.072	-76.980	-3.092	3.86%	13.20%
100	22	-78.735	-79.877	1.143	-1.45%	4.88%
100	23	-77.339	-76.908	-0.431	0.56%	1.84%
100	24	-79.738	-78.379	-1.359	1.70%	5.80%
100	25	-78.800	-79.821	1.021	-1.30%	4.36%
100	26 U	-78.970	-78.885	-0.085	0.11%	0.36%
100	27 U	-76.484	-76.402	-0.082	0.11%	0.35%
100	28 U	-76.173	-75.569	-0.604	0.79%	2.58%
100	29 U	-77.142	-77.813	0.671	-0.87%	2.87%
100	30 U	-76.582	-76.025	-0.557	0.73%	2.38%
	Max	-76.071	-75.569	2.724	3.86%	13.20%
	Average	-78.117	-77.949	-0.167	0.20%	3.10%
	Min	-80.405	-80.023	-3.092	-3.53%	0.02%
	Std Dev	1.254	1.171	1.016	1.29%	3.07%



VDD=3.1V 1.29G IMD3 dBc2 Pout=-1.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-66.23842171			dB
Min Limit	-89.65995189			dB
kRad	0	30	50	100
LL	-89.660	-89.660	-89.660	-89.660
Min	-80.023	-79.473	-79.899	-79.877
Average	-78.972	-77.856	-78.121	-77.666
Max	-77.922	-76.929	-76.774	-75.569
UL	-66.238	-66.238	-66.238	-66.238



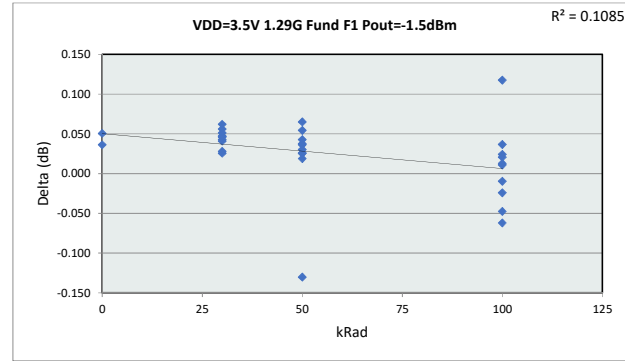
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VDD=3.5V 1.29G Fund F1 Pout=

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.67131513	-14.67131513
Min Limit	-15.60838813	-15.60838813

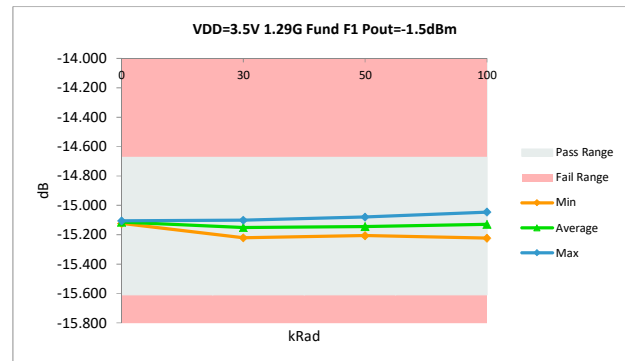
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.073	-15.123	0.051	-0.34%	5.41%
0	C2	-15.069	-15.106	0.036	-0.24%	3.87%
30	1	-15.160	-15.216	0.056	-0.37%	5.98%
30	2	-15.093	-15.140	0.046	-0.31%	4.94%
30	3	-15.121	-15.164	0.043	-0.28%	4.58%
30	4	-15.094	-15.122	0.028	-0.19%	3.00%
30	5	-15.111	-15.137	0.026	-0.17%	2.75%
30	6 U	-15.046	-15.108	0.062	-0.41%	6.64%
30	7 U	-15.107	-15.158	0.051	-0.34%	5.47%
30	8 U	-15.104	-15.145	0.041	-0.27%	4.38%
30	9 U	-15.173	-15.220	0.047	-0.31%	5.05%
30	10 U	-15.054	-15.100	0.047	-0.31%	4.98%
50	11	-15.061	-15.079	0.019	-0.13%	2.01%
50	12	-15.110	-15.136	0.026	-0.17%	2.72%
50	13	-15.095	-15.132	0.037	-0.25%	4.00%
50	14	-15.175	-15.201	0.026	-0.17%	2.77%
50	15	-15.170	-15.206	0.036	-0.24%	3.88%
50	16 U	-15.076	-15.119	0.043	-0.28%	4.58%
50	17 U	-15.114	-15.179	0.065	-0.43%	6.95%
50	18 U	-15.141	-15.171	0.030	-0.20%	3.23%
50	19 U	-15.064	-15.118	0.054	-0.36%	5.80%
50	20 U	-15.229	-15.099	-0.130	0.85%	13.89%
100	21	-15.097	-15.215	0.118	-0.78%	12.57%
100	22	-15.132	-15.123	-0.009	0.06%	1.01%
100	23	-15.085	-15.061	-0.024	0.16%	2.58%
100	24	-15.108	-15.046	-0.062	0.41%	6.62%
100	25	-15.138	-15.091	-0.048	0.31%	5.08%
100	26 U	-15.110	-15.134	0.024	-0.16%	2.57%
100	27 U	-15.203	-15.224	0.021	-0.14%	2.22%
100	28 U	-15.134	-15.171	0.037	-0.24%	3.92%
100	29 U	-15.080	-15.092	0.011	-0.07%	1.18%
100	30 U	-15.126	-15.138	0.013	-0.08%	1.36%
Max		-15.046	-15.046	0.118	0.85%	13.89%
Average		-15.114	-15.140	0.026	-0.17%	4.56%
Min		-15.229	-15.224	-0.130	-0.78%	1.01%
Std Dev		0.043	0.047	0.043	0.29%	2.79%



VDD=3.5V 1.29G Fund F1 Pout=

Test Site		
Tester		
Test Number		
Max Limit	-14.67131513	dB
Min Limit	-15.60838813	dB

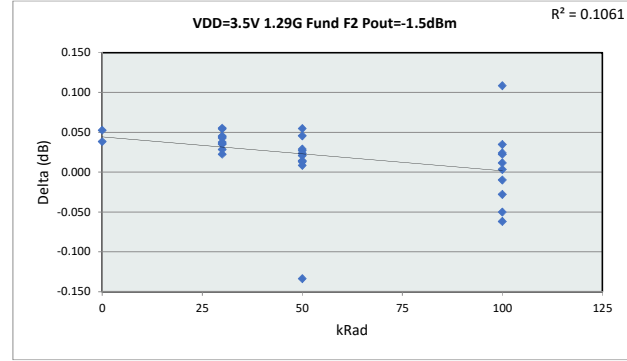
kRad	0	30	50	100
LL	-15.608	-15.608	-15.608	-15.608
Min	-15.123	-15.220	-15.206	-15.224
Average	-15.115	-15.151	-15.144	-15.129
Max	-15.106	-15.100	-15.079	-15.046
UL	-14.671	-14.671	-14.671	-14.671



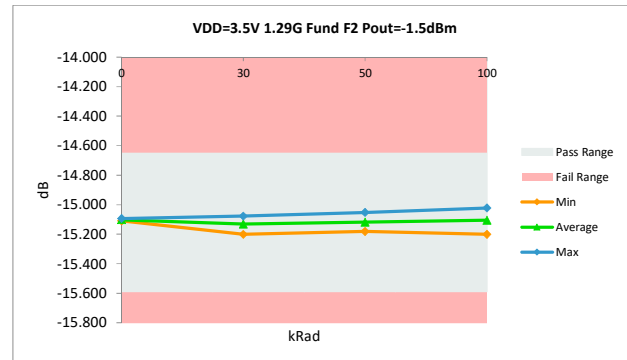
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G Fund F2 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.64694606	-14.64694606
Min Limit	-15.58866711	-15.58866711

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.057	-15.110	0.053	-0.35%	5.60%
0	C2	-15.056	-15.094	0.038	-0.25%	4.07%
30	1	-15.146	-15.201	0.055	-0.36%	5.86%
30	2	-15.078	-15.122	0.044	-0.29%	4.70%
30	3	-15.102	-15.144	0.043	-0.28%	4.53%
30	4	-15.076	-15.105	0.028	-0.19%	3.02%
30	5	-15.097	-15.120	0.023	-0.15%	2.40%
30	6 U	-15.034	-15.088	0.054	-0.36%	5.76%
30	7 U	-15.090	-15.135	0.045	-0.30%	4.81%
30	8 U	-15.089	-15.124	0.035	-0.23%	3.75%
30	9 U	-15.160	-15.198	0.038	-0.25%	4.01%
30	10 U	-15.042	-15.077	0.035	-0.24%	3.76%
50	11	-15.044	-15.053	0.008	-0.06%	0.89%
50	12	-15.096	-15.110	0.014	-0.09%	1.51%
50	13	-15.080	-15.104	0.024	-0.16%	2.53%
50	14	-15.164	-15.177	0.013	-0.09%	1.38%
50	15	-15.154	-15.181	0.027	-0.18%	2.87%
50	16 U	-15.063	-15.092	0.029	-0.19%	3.09%
50	17 U	-15.099	-15.154	0.055	-0.36%	5.81%
50	18 U	-15.129	-15.150	0.021	-0.14%	2.21%
50	19 U	-15.044	-15.090	0.046	-0.30%	4.85%
50	20 U	-15.214	-15.080	-0.134	0.88%	14.20%
100	21	-15.082	-15.190	0.108	-0.72%	11.51%
100	22	-15.112	-15.102	-0.010	0.06%	1.04%
100	23	-15.066	-15.038	-0.028	0.19%	2.96%
100	24	-15.085	-15.023	-0.062	0.41%	6.56%
100	25	-15.117	-15.067	-0.050	0.33%	5.31%
100	26 U	-15.090	-15.112	0.022	-0.15%	2.38%
100	27 U	-15.177	-15.201	0.024	-0.16%	2.57%
100	28 U	-15.114	-15.148	0.035	-0.23%	3.69%
100	29 U	-15.064	-15.068	0.003	-0.02%	0.36%
100	30 U	-15.102	-15.114	0.012	-0.08%	1.23%
	Max	-15.034	-15.023	0.108	0.88%	14.20%
	Average	-15.097	-15.118	0.020	-0.13%	4.04%
	Min	-15.214	-15.201	-0.134	-0.72%	0.36%
	Std Dev	0.043	0.047	0.042	0.28%	2.85%



VDD=3.5V 1.29G Fund F2 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-14.64694606		dB	
Min Limit	-15.58866711		dB	
kRad	0	30	50	100
LL	-15.589	-15.589	-15.589	-15.589
Min	-15.110	-15.201	-15.181	-15.201
Average	-15.102	-15.131	-15.119	-15.106
Max	-15.094	-15.077	-15.053	-15.023
UL	-14.647	-14.647	-14.647	-14.647

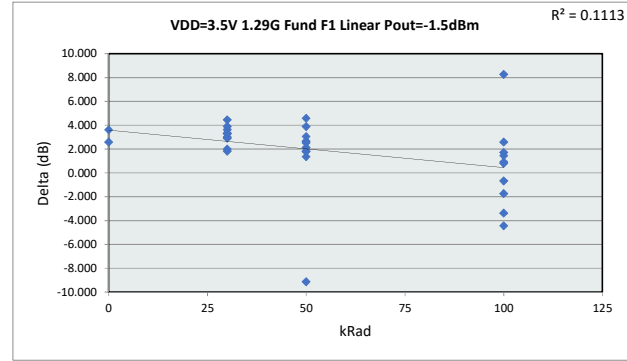


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VDD=3.5V 1.29G Fund F1 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	339.2260536	339.2260536
Min Limit	273.2220569	273.2220569

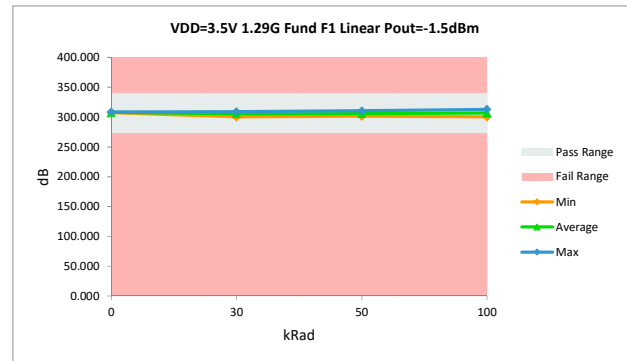
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	310.971	307.364	3.607	1.16%	5.46%
0	C2	311.211	308.624	2.587	0.83%	3.92%
30	1	304.817	300.913	3.904	1.28%	5.92%
30	2	309.495	306.213	3.282	1.06%	4.97%
30	3	307.545	304.522	3.023	0.98%	4.58%
30	4	309.453	307.459	1.995	0.64%	3.02%
30	5	308.225	306.401	1.825	0.59%	2.76%
30	6 U	312.900	308.452	4.448	1.42%	6.74%
30	7 U	308.551	304.930	3.621	1.17%	5.49%
30	8 U	308.758	305.857	2.901	0.94%	4.40%
30	9 U	303.895	300.602	3.293	1.08%	4.99%
30	10 U	312.332	308.994	3.338	1.07%	5.06%
50	11	311.848	310.497	1.351	0.43%	2.05%
50	12	308.309	306.502	1.807	0.59%	2.74%
50	13	309.407	306.748	2.659	0.86%	4.03%
50	14	303.739	301.927	1.811	0.60%	2.74%
50	15	304.091	301.553	2.537	0.83%	3.84%
50	16 U	310.722	307.668	3.054	0.98%	4.63%
50	17 U	308.070	303.484	4.586	1.49%	6.95%
50	18 U	306.111	303.987	2.124	0.69%	3.22%
50	19 U	311.628	307.750	3.878	1.24%	5.88%
50	20 U	299.955	309.078	-9.123	-3.04%	13.82%
100	21	309.219	300.945	8.274	2.68%	12.54%
100	22	306.738	307.410	-0.672	-0.22%	1.02%
100	23	310.086	311.814	-1.728	-0.56%	2.62%
100	24	308.452	312.889	-4.436	-1.44%	6.72%
100	25	306.311	309.685	-3.374	-1.10%	5.11%
100	26 U	308.299	306.591	1.708	0.55%	2.59%
100	27 U	301.807	300.365	1.442	0.48%	2.18%
100	28 U	306.589	304.009	2.580	0.84%	3.91%
100	29 U	310.421	309.632	0.788	0.25%	1.19%
100	30 U	307.208	306.305	0.903	0.29%	1.37%
	Max	312.900	312.889	8.274	2.68%	13.82%
	Average	308.036	306.224	1.812	0.58%	4.58%
	Min	299.955	300.365	-9.123	-3.04%	1.02%
	Std Dev	3.063	3.300	3.066	1.00%	2.78%



VDD=3.5V 1.29G Fund F1 Linear

Test Site		
Tester		
Test Number		
Max Limit	339.2260536	dB
Min Limit	273.2220569	dB

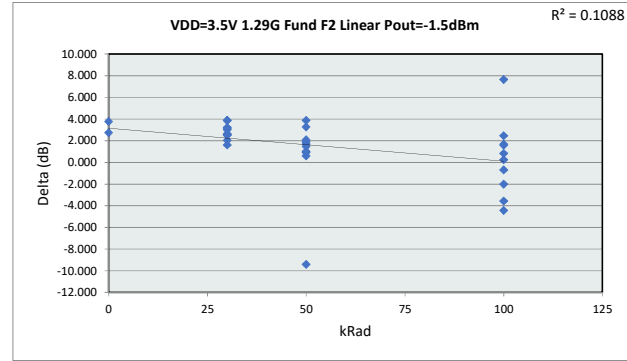
kRad	0	30	50	100
LL	273.222	273.222	273.222	273.222
Min	307.364	300.602	301.553	300.365
Average	307.994	305.434	305.919	306.964
Max	308.624	308.994	310.497	312.889
UL	339.226	339.226	339.226	339.226



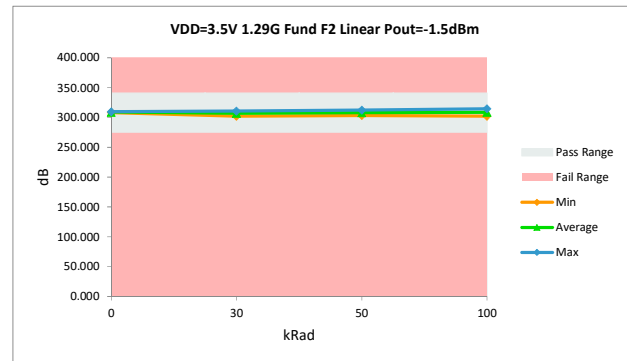
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G Fund F2 Linear		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	341.1231586	341.1231586
Min Limit	274.4420232	274.4420232

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	312.108	308.344	3.764	1.21%	5.65%
0	C2	312.182	309.441	2.741	0.88%	4.11%
30	1	305.790	301.930	3.861	1.26%	5.79%
30	2	310.596	307.447	3.149	1.01%	4.72%
30	3	308.912	305.892	3.021	0.98%	4.53%
30	4	310.721	308.691	2.030	0.65%	3.04%
30	5	309.245	307.641	1.605	0.52%	2.41%
30	6 U	313.771	309.879	3.892	1.24%	5.84%
30	7 U	309.764	306.548	3.216	1.04%	4.82%
30	8 U	309.832	307.321	2.510	0.81%	3.76%
30	9 U	304.779	302.141	2.638	0.87%	3.96%
30	10 U	313.208	310.665	2.542	0.81%	3.81%
50	11	313.013	312.408	0.605	0.19%	0.91%
50	12	309.325	308.312	1.013	0.33%	1.52%
50	13	310.464	308.768	1.697	0.55%	2.54%
50	14	304.521	303.611	0.910	0.30%	1.36%
50	15	305.238	303.343	1.894	0.62%	2.84%
50	16 U	311.705	309.627	2.079	0.67%	3.12%
50	17 U	309.091	305.219	3.872	1.25%	5.81%
50	18 U	306.977	305.509	1.467	0.48%	2.20%
50	19 U	313.048	309.773	3.274	1.05%	4.91%
50	20 U	301.056	310.468	-9.412	-3.13%	14.11%
100	21	310.330	302.682	7.648	2.46%	11.47%
100	22	308.167	308.861	-0.694	-0.23%	1.04%
100	23	311.474	313.482	-2.008	-0.64%	3.01%
100	24	310.099	314.541	-4.442	-1.43%	6.66%
100	25	307.853	311.417	-3.564	-1.16%	5.35%
100	26 U	309.774	308.181	1.593	0.51%	2.39%
100	27 U	303.611	301.925	1.686	0.56%	2.53%
100	28 U	308.056	305.602	2.454	0.80%	3.68%
100	29 U	311.568	311.325	0.243	0.08%	0.36%
100	30 U	308.871	308.049	0.823	0.27%	1.23%
	Max	313.771	314.541	7.648	2.46%	14.11%
	Average	309.223	307.783	1.441	0.46%	4.05%
	Min	301.056	301.925	-9.412	-3.13%	0.36%
	Std Dev	3.034	3.334	2.995	0.98%	2.85%



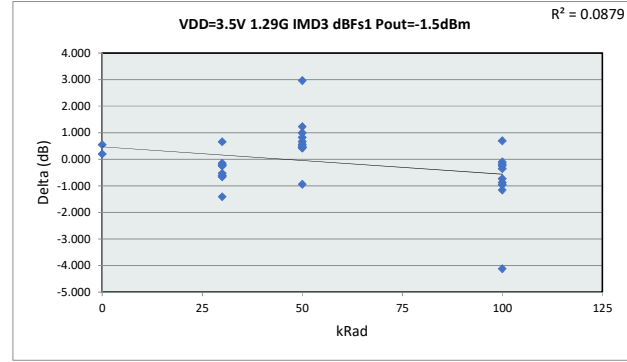
VDD=3.5V 1.29G Fund F2 Linear				
Test Site				
Tester				
Test Number				
Max Limit	341.1231586		dB	
Min Limit	274.4420232		dB	
kRad	0	30	50	100
LL	274.442	274.442	274.442	274.442
Min	308.344	301.930	303.343	301.925
Average	308.892	306.815	307.704	308.606
Max	309.441	310.665	312.408	314.541
UL	341.123	341.123	341.123	341.123



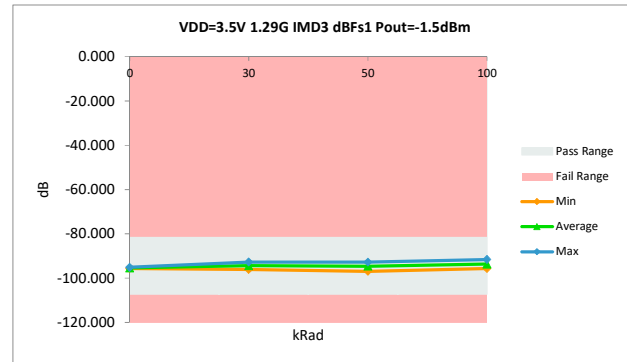
QMLP TID Report
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VDD=3.5V 1.29G IMD3 dBFs1 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-81.37432357	-81.37432357
Min Limit	-107.2023189	-107.2023189

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-95.493	-95.695	0.203	-0.21%	0.78%
0	C2	-94.591	-95.139	0.549	-0.58%	2.13%
30	1	-92.458	-93.117	0.659	-0.71%	2.55%
30	2	-94.428	-94.204	-0.223	0.24%	0.86%
30	3	-94.112	-92.701	-1.411	1.50%	5.46%
30	4	-96.391	-96.141	-0.250	0.26%	0.97%
30	5	-96.351	-95.827	-0.524	0.54%	2.03%
30	6 U	-96.328	-95.675	-0.653	0.68%	2.53%
30	7 U	-94.725	-94.114	-0.611	0.65%	2.37%
30	8 U	-94.580	-94.434	-0.146	0.15%	0.57%
30	9 U	-94.341	-93.724	-0.617	0.65%	2.39%
30	10 U	-93.622	-93.419	-0.203	0.22%	0.79%
50	11	-93.556	-94.052	0.496	-0.53%	1.92%
50	12	-95.552	-96.227	0.675	-0.71%	2.61%
50	13	-94.266	-94.693	0.427	-0.45%	1.65%
50	14	-92.417	-93.644	1.227	-1.33%	4.75%
50	15	-92.487	-93.484	0.998	-1.08%	3.86%
50	16 U	-93.647	-94.471	0.823	-0.88%	3.19%
50	17 U	-96.028	-95.092	-0.937	0.98%	3.63%
50	18 U	-92.321	-92.770	0.449	-0.49%	1.74%
50	19 U	-94.463	-95.031	0.567	-0.60%	2.20%
50	20 U	-93.937	-96.898	2.961	-3.15%	11.47%
100	21	-97.397	-93.281	-4.116	4.23%	15.94%
100	22	-95.201	-94.948	-0.253	0.27%	0.98%
100	23	-93.348	-93.247	-0.101	0.11%	0.39%
100	24	-95.753	-94.883	-0.870	0.91%	3.37%
100	25	-94.970	-95.666	0.696	-0.73%	2.69%
100	26 U	-95.739	-94.587	-1.152	1.20%	4.46%
100	27 U	-92.941	-92.756	-0.185	0.20%	0.72%
100	28 U	-91.963	-91.607	-0.356	0.39%	1.38%
100	29 U	-94.649	-93.922	-0.727	0.77%	2.82%
100	30 U	-92.732	-91.776	-0.956	1.03%	3.70%
	Max	-91.963	-91.607	2.961	4.23%	15.94%
	Average	-94.400	-94.288	-0.111	0.11%	3.03%
	Min	-97.397	-96.898	-4.116	-3.15%	0.39%
	Std Dev	1.395	1.291	1.128	1.18%	3.13%



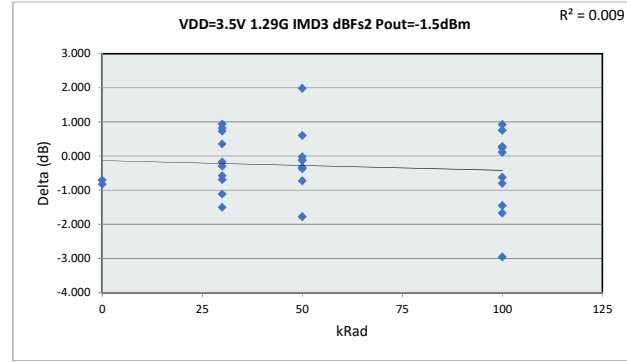
VDD=3.5V 1.29G IMD3 dBFs1				
Test Site				
Tester				
Test Number				
Max Limit	-81.37432357		dB	
Min Limit	-107.2023189		dB	
kRad	0	30	50	100
LL	-107.202	-107.202	-107.202	-107.202
Min	-95.695	-96.141	-96.898	-95.666
Average	-95.417	-94.336	-94.636	-93.667
Max	-95.139	-92.701	-92.770	-91.607
UL	-81.374	-81.374	-81.374	-81.374



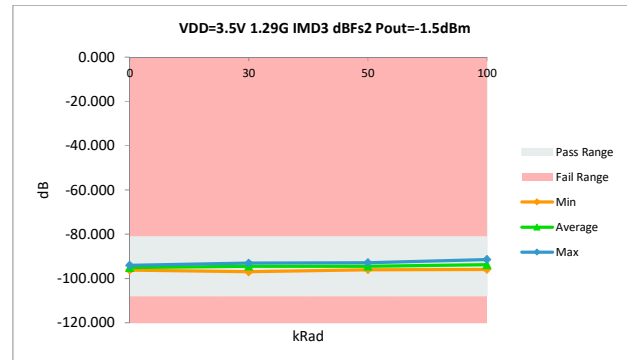
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G IMD3 dBFs2 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-80.80674444	-80.80674444
Min Limit	-107.7173306	-107.7173306

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-97.039	-96.214	-0.825	0.85%	3.07%
0	C2	-94.682	-93.979	-0.703	0.74%	2.61%
30	1	-92.722	-93.076	0.353	-0.38%	1.31%
30	2	-94.005	-93.436	-0.570	0.61%	2.12%
30	3	-92.919	-93.650	0.731	-0.79%	2.72%
30	4	-96.050	-96.992	0.942	-0.98%	3.50%
30	5	-96.025	-95.730	-0.295	0.31%	1.10%
30	6 U	-97.229	-95.728	-1.501	1.54%	5.58%
30	7 U	-94.830	-93.720	-1.110	1.17%	4.12%
30	8 U	-93.562	-94.387	0.825	-0.88%	3.07%
30	9 U	-94.248	-94.076	-0.172	0.18%	0.64%
30	10 U	-94.233	-93.541	-0.692	0.73%	2.57%
50	11	-94.566	-94.197	-0.369	0.39%	1.37%
50	12	-96.091	-95.975	-0.116	0.12%	0.43%
50	13	-94.952	-94.833	-0.120	0.13%	0.44%
50	14	-93.611	-92.887	-0.724	0.77%	2.69%
50	15	-92.454	-93.060	0.606	-0.66%	2.25%
50	16 U	-94.346	-94.014	-0.332	0.35%	1.23%
50	17 U	-96.863	-95.091	-1.772	1.83%	6.58%
50	18 U	-93.305	-93.283	-0.023	0.02%	0.08%
50	19 U	-95.473	-95.133	-0.339	0.36%	1.26%
50	20 U	-93.791	-95.776	1.985	-2.12%	7.38%
100	21	-95.995	-93.042	-2.953	3.08%	10.97%
100	22	-95.228	-95.474	0.246	-0.26%	0.91%
100	23	-94.007	-92.560	-1.447	1.54%	5.38%
100	24	-95.196	-94.401	-0.794	0.83%	2.95%
100	25	-95.023	-95.946	0.922	-0.97%	3.43%
100	26 U	-94.942	-95.698	0.755	-0.80%	2.81%
100	27 U	-92.867	-92.243	-0.624	0.67%	2.32%
100	28 U	-93.084	-91.419	-1.665	1.79%	6.19%
100	29 U	-93.976	-94.259	0.282	-0.30%	1.05%
100	30 U	-92.453	-92.568	0.115	-0.12%	0.43%
Max		-92.453	-91.419	1.985	3.08%	10.97%
Average		-94.555	-94.262	-0.293	0.31%	2.89%
Min		-97.229	-96.992	-2.953	-2.12%	0.08%
Std Dev		1.330	1.346	0.977	1.03%	2.40%



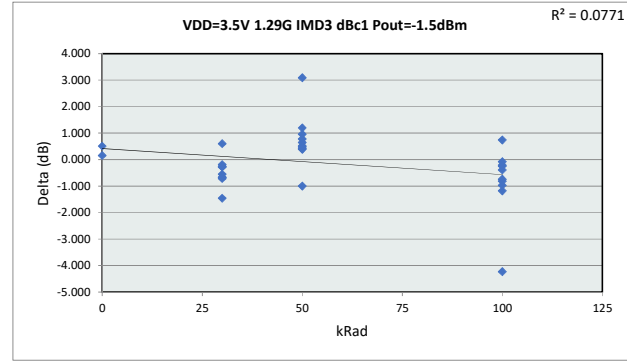
VDD=3.5V 1.29G IMD3 dBFs2				
Test Site				
Tester				
Test Number				
Max Limit	-80.80674444			dB
Min Limit	-107.7173306			dB
kRad	0	30	50	100
LL	-107.717	-107.717	-107.717	-107.717
Min	-96.214	-96.992	-95.975	-95.946
Average	-95.096	-94.434	-94.425	-93.761
Max	-93.979	-93.076	-92.887	-91.419
UL	-80.807	-80.807	-80.807	-80.807



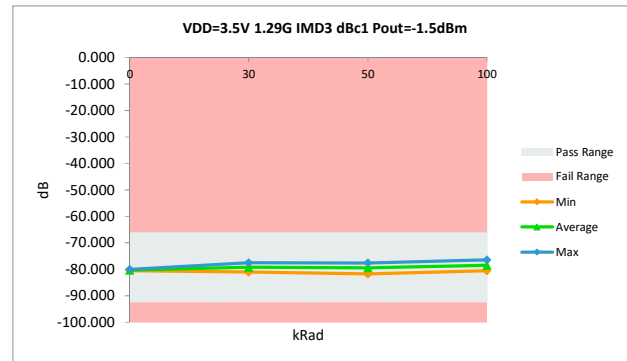
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G IMD3 dBc1 Pout=1.5dBm	
Test Site	
Tester	
Test Number	
Unit	
Max Limit	-66.02127256
Min Limit	-92.27566633

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-80.420	-80.572	0.152	-0.19%	0.58%
0	C2	-79.521	-80.034	0.513	-0.64%	1.95%
30	1	-77.298	-77.901	0.603	-0.78%	2.30%
30	2	-79.334	-79.065	-0.270	0.34%	1.03%
30	3	-78.991	-77.537	-1.454	1.84%	5.54%
30	4	-81.297	-81.019	-0.278	0.34%	1.06%
30	5	-81.240	-80.690	-0.550	0.68%	2.09%
30	6 U	-81.282	-80.567	-0.715	0.88%	2.72%
30	7 U	-79.618	-78.956	-0.663	0.83%	2.52%
30	8 U	-79.476	-79.289	-0.187	0.24%	0.71%
30	9 U	-79.168	-78.504	-0.664	0.84%	2.53%
30	10 U	-78.568	-78.319	-0.249	0.32%	0.95%
50	11	-78.496	-78.972	0.477	-0.61%	1.82%
50	12	-80.442	-81.092	0.649	-0.81%	2.47%
50	13	-79.171	-79.561	0.390	-0.49%	1.49%
50	14	-77.242	-78.443	1.201	-1.56%	4.58%
50	15	-77.317	-78.278	0.961	-1.24%	3.66%
50	16 U	-78.571	-79.351	0.780	-0.99%	2.97%
50	17 U	-80.915	-79.913	-1.002	1.24%	3.82%
50	18 U	-77.180	-77.598	0.418	-0.54%	1.59%
50	19 U	-79.399	-79.912	0.513	-0.65%	1.95%
50	20 U	-78.708	-81.799	3.091	-3.93%	11.77%
100	21	-82.300	-78.066	-4.234	5.14%	16.12%
100	22	-80.069	-79.825	-0.243	0.30%	0.93%
100	23	-78.263	-78.186	-0.077	0.10%	0.29%
100	24	-80.644	-79.837	-0.808	1.00%	3.08%
100	25	-79.832	-80.575	0.743	-0.93%	2.83%
100	26 U	-80.629	-79.452	-1.176	1.46%	4.48%
100	27 U	-77.739	-77.532	-0.206	0.27%	0.79%
100	28 U	-76.828	-76.436	-0.392	0.51%	1.49%
100	29 U	-79.569	-78.830	-0.738	0.93%	2.81%
100	30 U	-77.606	-76.637	-0.969	1.25%	3.69%
	Max	-76.828	-76.436	3.091	5.14%	16.12%
	Average	-79.285	-79.148	-0.137	0.16%	3.02%
	Min	-82.300	-81.799	-4.234	-3.93%	0.29%
	Std Dev	1.413	1.313	1.152	1.43%	3.18%



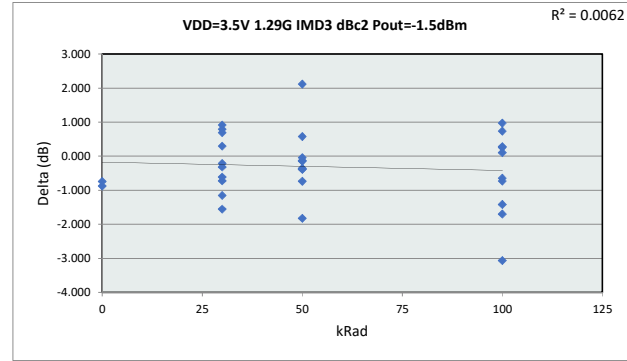
VDD=3.5V 1.29G IMD3 dBc1 Pout=1.5dBm					
Test Site					
Tester					
Test Number					
Max Limit	-66.02127256			dB	
Min Limit	-92.27566633			dB	
	kRad	0	30	50	100
LL		-92.276	-92.276	-92.276	-92.276
Min		-80.572	-81.019	-81.799	-80.575
Average		-80.303	-79.185	-79.492	-78.538
Max		-80.034	-77.537	-77.598	-76.436
UL		-66.021	-66.021	-66.021	-66.021



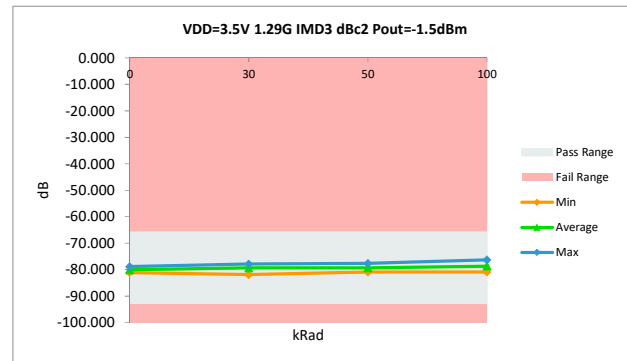
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G IMD3 dBc2 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-65.49602021	-65.49602021
Min Limit	-92.79244052	-92.79244052

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-81.982	-81.104	-0.878	1.07%	3.22%
0	C2	-79.626	-78.885	-0.741	0.93%	2.72%
30	1	-77.577	-77.875	0.298	-0.38%	1.09%
30	2	-78.927	-78.314	-0.614	0.78%	2.25%
30	3	-77.817	-78.506	0.688	-0.88%	2.52%
30	4	-80.974	-81.887	0.913	-1.13%	3.34%
30	5	-80.928	-80.610	-0.318	0.39%	1.16%
30	6 U	-82.195	-80.640	-1.555	1.89%	5.70%
30	7 U	-79.740	-78.585	-1.155	1.45%	4.23%
30	8 U	-78.474	-79.263	0.790	-1.01%	2.89%
30	9 U	-79.088	-78.878	-0.210	0.27%	0.77%
30	10 U	-79.191	-78.464	-0.727	0.92%	2.66%
50	11	-79.522	-79.144	-0.377	0.47%	1.38%
50	12	-80.995	-80.864	-0.130	0.16%	0.48%
50	13	-79.872	-79.729	-0.143	0.18%	0.53%
50	14	-78.448	-77.710	-0.737	0.94%	2.70%
50	15	-77.301	-77.879	0.579	-0.75%	2.12%
50	16 U	-79.284	-78.923	-0.361	0.45%	1.32%
50	17 U	-81.764	-79.937	-1.826	2.23%	6.69%
50	18 U	-78.176	-78.133	-0.043	0.06%	0.16%
50	19 U	-80.429	-80.044	-0.385	0.48%	1.41%
50	20 U	-78.577	-80.696	2.119	-2.70%	7.76%
100	21	-80.914	-77.852	-3.062	3.78%	11.22%
100	22	-80.116	-80.371	0.256	-0.32%	0.94%
100	23	-78.941	-77.522	-1.419	1.80%	5.20%
100	24	-80.111	-79.378	-0.732	0.91%	2.68%
100	25	-79.907	-80.879	0.972	-1.22%	3.56%
100	26 U	-79.853	-80.586	0.733	-0.92%	2.69%
100	27 U	-77.691	-77.042	-0.648	0.83%	2.38%
100	28 U	-77.970	-76.270	-1.700	2.18%	6.23%
100	29 U	-78.912	-79.191	0.279	-0.35%	1.02%
100	30 U	-77.351	-77.454	0.103	-0.13%	0.38%
	Max	-77.301	-76.270	2.119	3.78%	11.22%
	Average	-79.458	-79.144	-0.314	0.39%	2.92%
	Min	-82.195	-81.887	-3.062	-2.70%	0.16%
	Std Dev	1.353	1.365	1.000	1.25%	2.45%



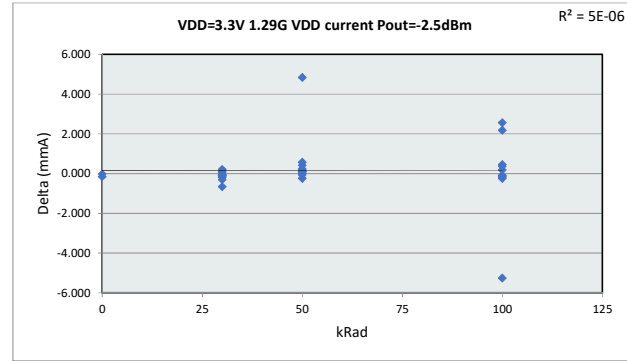
VDD=3.5V 1.29G IMD3 dBc2 Pout=-1.5dBm					
Test Site					
Tester					
Test Number					
Max Limit	-65.49602021			dB	
Min Limit	-92.79244052			dB	
	kRad	0	30	50	100
LL		-92.792	-92.792	-92.792	-92.792
Min		-81.104	-81.887	-80.864	-80.879
Average		-79.994	-79.302	-79.306	-78.655
Max		-78.885	-77.875	-77.710	-76.270
UL		-65.496	-65.496	-65.496	-65.496



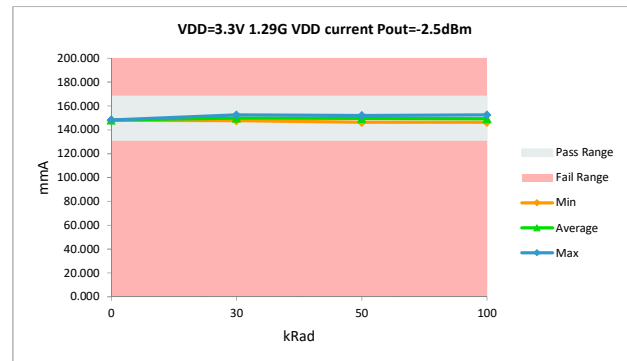
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G VDD current P		
Test Site		
Tester		
Test Number		
Unit	mmA	mmA
Max Limit	168.0702094	168.0702094
Min Limit	130.8249866	130.8249866

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	148.128	148.275	-0.147	-0.10%	0.40%
0	C2	147.859	147.872	-0.013	-0.01%	0.03%
30	1	149.575	149.648	-0.073	-0.05%	0.20%
30	2	149.400	149.496	-0.095	-0.06%	0.26%
30	3	152.168	152.476	-0.308	-0.20%	0.83%
30	4	147.421	147.601	-0.180	-0.12%	0.48%
30	5	151.840	151.745	0.095	0.06%	0.26%
30	6 U	148.570	148.696	-0.126	-0.09%	0.34%
30	7 U	149.734	149.519	0.214	0.14%	0.58%
30	8 U	148.029	148.682	-0.653	-0.44%	1.75%
30	9 U	151.094	151.151	-0.057	-0.04%	0.15%
30	10 U	149.699	149.669	0.030	0.02%	0.08%
50	11	148.828	148.251	0.577	0.39%	1.55%
50	12	152.161	151.743	0.418	0.27%	1.12%
50	13	148.642	148.547	0.095	0.06%	0.26%
50	14	150.089	149.962	0.127	0.08%	0.34%
50	15	152.152	152.058	0.094	0.06%	0.25%
50	16 U	146.031	146.275	-0.244	-0.17%	0.66%
50	17 U	150.024	150.092	-0.068	-0.05%	0.18%
50	18 U	151.372	151.137	0.235	0.16%	0.63%
50	19 U	149.585	149.585	0.000	0.00%	0.00%
50	20 U	152.418	147.579	4.839	3.18%	12.99%
100	21	147.009	152.262	-5.252	-3.57%	14.10%
100	22	148.211	147.842	0.369	0.25%	0.99%
100	23	148.543	148.083	0.460	0.31%	1.24%
100	24	148.921	146.356	2.565	1.72%	6.89%
100	25	150.090	147.900	2.189	1.46%	5.88%
100	26 U	146.782	146.866	-0.084	-0.06%	0.22%
100	27 U	152.510	152.328	0.182	0.12%	0.49%
100	28 U	152.156	152.398	-0.242	-0.16%	0.65%
100	29 U	147.994	148.113	-0.119	-0.08%	0.32%
100	30 U	149.944	150.117	-0.172	-0.12%	0.46%
	Max	152.510	152.476	4.839	3.18%	14.10%
	Average	149.593	149.448	0.145	0.09%	1.71%
	Min	146.031	146.275	-5.252	-3.57%	0.00%
	Std Dev	1.817	1.862	1.431	0.96%	3.45%



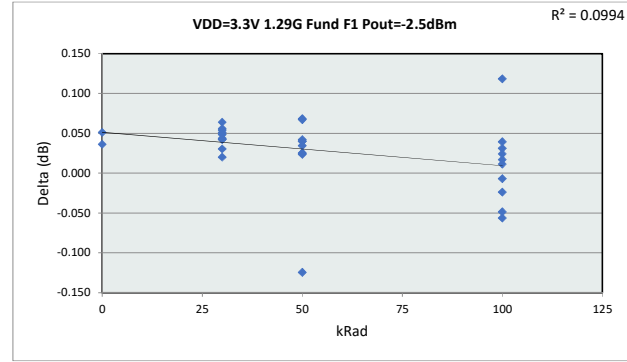
VDD=3.3V 1.29G VDD current P				
Test Site				
Tester				
Test Number				
Max Limit	168.0702094	mmA		
Min Limit	130.8249866	mmA		
kRad	0	30	50	100
LL	130.825	130.825	130.825	130.825
Min	147.872	147.601	146.275	146.356
Average	148.073	149.868	149.523	149.226
Max	148.275	152.476	152.058	152.398
UL	168.070	168.070	168.070	168.070



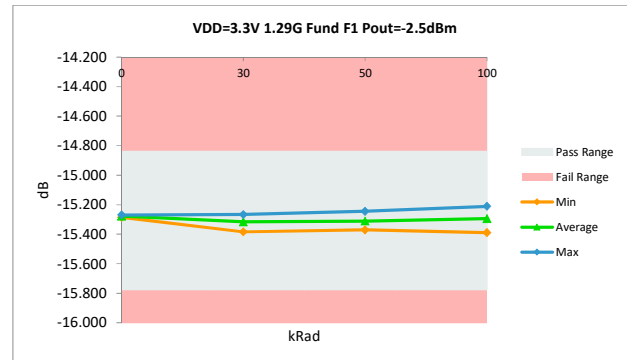
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G Fund F1 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.83448143	-14.83448143
Min Limit	-15.77502536	-15.77502536

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.234	-15.285	0.051	-0.34%	5.43%
0	C2	-15.233	-15.270	0.036	-0.24%	3.86%
30	1	-15.327	-15.381	0.054	-0.35%	5.74%
30	2	-15.259	-15.301	0.042	-0.28%	4.50%
30	3	-15.285	-15.328	0.042	-0.28%	4.52%
30	4	-15.258	-15.288	0.030	-0.20%	3.24%
30	5	-15.278	-15.298	0.020	-0.13%	2.14%
30	6 U	-15.208	-15.272	0.064	-0.42%	6.81%
30	7 U	-15.269	-15.325	0.056	-0.37%	5.94%
30	8 U	-15.268	-15.312	0.044	-0.29%	4.65%
30	9 U	-15.336	-15.384	0.049	-0.32%	5.16%
30	10 U	-15.216	-15.267	0.051	-0.33%	5.42%
50	11	-15.222	-15.245	0.024	-0.16%	2.51%
50	12	-15.276	-15.301	0.025	-0.16%	2.65%
50	13	-15.259	-15.299	0.040	-0.26%	4.26%
50	14	-15.341	-15.367	0.025	-0.16%	2.69%
50	15	-15.331	-15.371	0.040	-0.26%	4.26%
50	16 U	-15.239	-15.281	0.042	-0.28%	4.46%
50	17 U	-15.280	-15.348	0.068	-0.45%	7.26%
50	18 U	-15.305	-15.339	0.035	-0.23%	3.68%
50	19 U	-15.219	-15.287	0.067	-0.44%	7.16%
50	20 U	-15.391	-15.267	-0.125	0.81%	13.24%
100	21	-15.258	-15.376	0.118	-0.78%	12.59%
100	22	-15.295	-15.288	-0.007	0.05%	0.74%
100	23	-15.249	-15.225	-0.024	0.16%	2.53%
100	24	-15.268	-15.211	-0.056	0.37%	5.99%
100	25	-15.299	-15.250	-0.049	0.32%	5.18%
100	26 U	-15.269	-15.300	0.031	-0.20%	3.30%
100	27 U	-15.365	-15.389	0.024	-0.16%	2.56%
100	28 U	-15.296	-15.336	0.039	-0.26%	4.19%
100	29 U	-15.245	-15.256	0.011	-0.07%	1.22%
100	30 U	-15.287	-15.304	0.017	-0.11%	1.79%
	Max	-15.208	-15.211	0.118	0.81%	13.24%
	Average	-15.277	-15.305	0.028	-0.18%	4.68%
	Min	-15.391	-15.389	-0.125	-0.78%	0.74%
	Std Dev	0.044	0.047	0.043	0.28%	2.72%



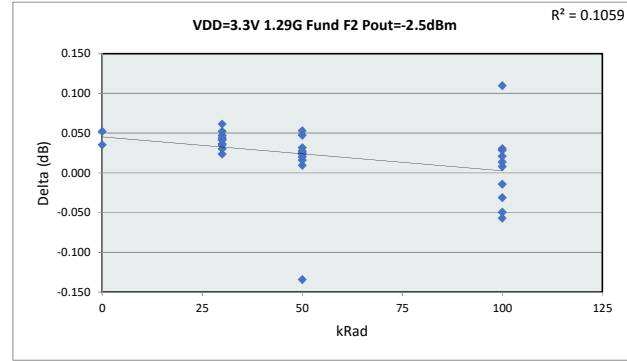
VDD=3.3V 1.29G Fund F1 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-14.83448143	dB		
Min Limit	-15.77502536	dB		
kRad	0	30	50	100
LL	-15.775	-15.775	-15.775	-15.775
Min	-15.285	-15.384	-15.371	-15.389
Average	-15.277	-15.316	-15.310	-15.294
Max	-15.270	-15.267	-15.245	-15.211
UL	-14.834	-14.834	-14.834	-14.834



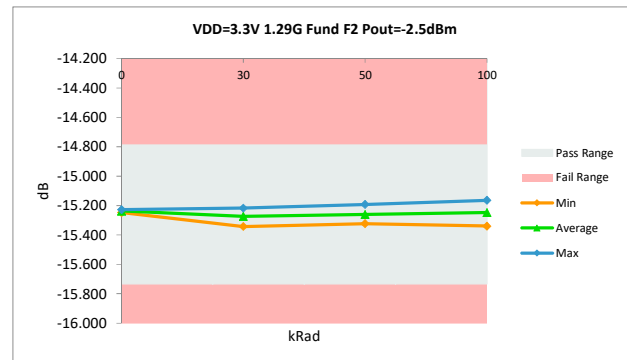
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G Fund F2 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.78449397	-14.78449397
Min Limit	-15.73250366	-15.73250366

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.195	-15.247	0.052	-0.34%	5.50%
0	C2	-15.192	-15.227	0.035	-0.23%	3.73%
30	1	-15.287	-15.340	0.052	-0.34%	5.52%
30	2	-15.219	-15.261	0.041	-0.27%	4.35%
30	3	-15.244	-15.286	0.042	-0.28%	4.46%
30	4	-15.215	-15.245	0.030	-0.20%	3.20%
30	5	-15.238	-15.262	0.024	-0.16%	2.50%
30	6 U	-15.169	-15.230	0.061	-0.40%	6.47%
30	7 U	-15.232	-15.279	0.047	-0.31%	4.97%
30	8 U	-15.229	-15.266	0.037	-0.24%	3.86%
30	9 U	-15.298	-15.343	0.045	-0.29%	4.69%
30	10 U	-15.182	-15.217	0.035	-0.23%	3.70%
50	11	-15.183	-15.192	0.009	-0.06%	0.99%
50	12	-15.233	-15.249	0.016	-0.10%	1.68%
50	13	-15.221	-15.246	0.025	-0.17%	2.68%
50	14	-15.298	-15.318	0.020	-0.13%	2.13%
50	15	-15.295	-15.323	0.027	-0.18%	2.88%
50	16 U	-15.202	-15.234	0.032	-0.21%	3.35%
50	17 U	-15.242	-15.295	0.053	-0.35%	5.58%
50	18 U	-15.268	-15.292	0.024	-0.15%	2.50%
50	19 U	-15.186	-15.233	0.048	-0.31%	5.01%
50	20 U	-15.355	-15.221	-0.134	0.87%	14.16%
100	21	-15.220	-15.330	0.110	-0.72%	11.58%
100	22	-15.253	-15.239	-0.014	0.09%	1.49%
100	23	-15.208	-15.177	-0.031	0.20%	3.28%
100	24	-15.221	-15.164	-0.057	0.37%	6.00%
100	25	-15.256	-15.206	-0.049	0.32%	5.21%
100	26 U	-15.227	-15.255	0.029	-0.19%	3.01%
100	27 U	-15.319	-15.340	0.021	-0.14%	2.23%
100	28 U	-15.258	-15.288	0.030	-0.20%	3.21%
100	29 U	-15.202	-15.210	0.008	-0.05%	0.85%
100	30 U	-15.243	-15.257	0.014	-0.09%	1.46%
	Max	-15.169	-15.164	0.110	0.87%	14.16%
	Average	-15.237	-15.258	0.021	-0.14%	4.13%
	Min	-15.355	-15.343	-0.134	-0.72%	0.85%
	Std Dev	0.043	0.047	0.042	0.28%	2.76%



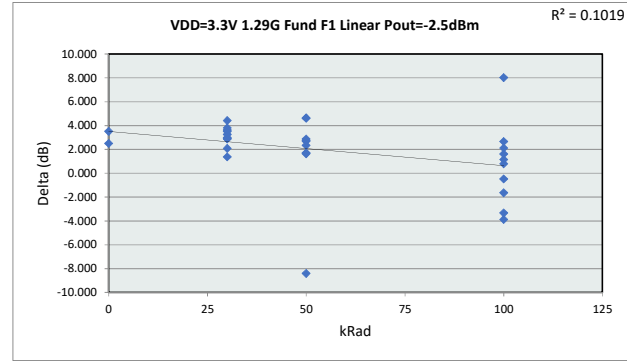
VDD=3.3V 1.29G Fund F2 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-14.78449397	dB		
Min Limit	-15.73250366	dB		
kRad	0	30	50	100
LL	-15.733	-15.733	-15.733	-15.733
Min	-15.247	-15.343	-15.323	-15.340
Average	-15.237	-15.273	-15.260	-15.247
Max	-15.227	-15.217	-15.192	-15.164
UL	-14.784	-14.784	-14.784	-14.784



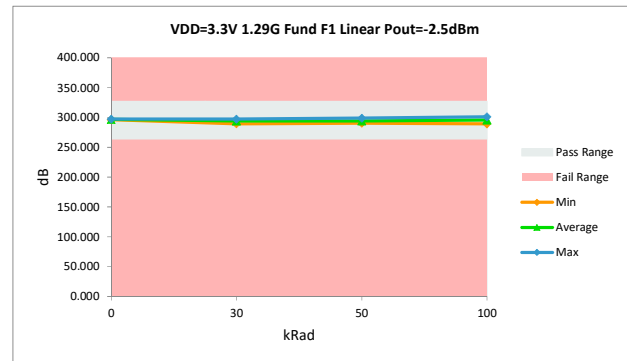
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G Fund F1 Linea		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	326.7082011	326.7082011
Min Limit	262.921449	262.921449

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	299.617	296.112	3.506	1.17%	5.50%
0	C2	299.695	297.199	2.496	0.83%	3.91%
30	1	293.319	289.696	3.623	1.24%	5.68%
30	2	297.917	295.028	2.889	0.97%	4.53%
30	3	296.112	293.230	2.882	0.97%	4.52%
30	4	297.998	295.914	2.084	0.70%	3.27%
30	5	296.631	295.258	1.373	0.46%	2.15%
30	6 U	301.436	297.026	4.410	1.46%	6.91%
30	7 U	297.242	293.443	3.799	1.28%	5.96%
30	8 U	297.305	294.324	2.981	1.00%	4.67%
30	9 U	292.718	289.465	3.253	1.11%	5.10%
30	10 U	300.860	297.351	3.509	1.17%	5.50%
50	11	300.490	298.858	1.632	0.54%	2.56%
50	12	296.760	295.064	1.697	0.57%	2.66%
50	13	297.914	295.177	2.737	0.92%	4.29%
50	14	292.332	290.633	1.699	0.58%	2.66%
50	15	293.030	290.337	2.693	0.92%	4.22%
50	16 U	299.280	296.403	2.877	0.96%	4.51%
50	17 U	296.501	291.874	4.627	1.56%	7.25%
50	18 U	294.807	292.466	2.340	0.79%	3.67%
50	19 U	300.647	296.022	4.625	1.54%	7.25%
50	20 U	288.980	297.388	-8.408	-2.91%	13.18%
100	21	298.003	289.987	8.016	2.69%	12.57%
100	22	295.482	295.959	-0.477	-0.16%	0.75%
100	23	298.623	300.267	-1.643	-0.55%	2.58%
100	24	297.322	301.204	-3.882	-1.31%	6.09%
100	25	295.191	298.519	-3.328	-1.13%	5.22%
100	26 U	297.212	295.096	2.116	0.71%	3.32%
100	27 U	290.721	289.112	1.608	0.55%	2.52%
100	28 U	295.370	292.704	2.666	0.90%	4.18%
100	29 U	298.912	298.126	0.786	0.26%	1.23%
100	30 U	295.979	294.833	1.147	0.39%	1.80%
	Max	301.436	301.204	8.016	2.69%	13.18%
	Average	296.700	294.815	1.885	0.63%	4.69%
	Min	288.980	289.112	-8.408	-2.91%	0.75%
	Std Dev	2.980	3.189	2.931	0.99%	2.72%



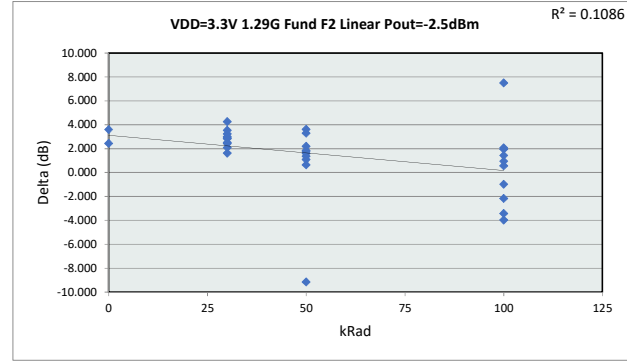
VDD=3.3V 1.29G Fund F1 Line				
Test Site				
Tester				
Test Number				
Max Limit	326.7082011	dB		
Min Limit	262.921449	dB		
kRad	0	30	50	100
LL	262.921	262.921	262.921	262.921
Min	296.112	289.465	290.337	289.112
Average	296.655	294.073	294.422	295.581
Max	297.199	297.351	298.858	301.204
UL	326.708	326.708	326.708	326.708



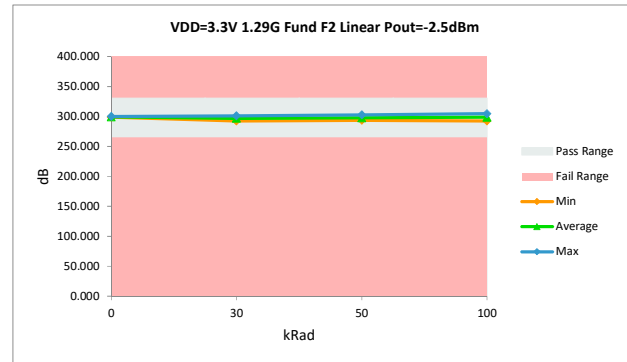
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G Fund F2 Linear		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	330.4671554	330.4671554
Min Limit	265.4764347	265.4764347

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	302.331	298.725	3.606	1.19%	5.55%
0	C2	302.578	300.125	2.453	0.81%	3.77%
30	1	295.980	292.438	3.542	1.20%	5.45%
30	2	300.657	297.814	2.843	0.95%	4.38%
30	3	298.972	296.073	2.898	0.97%	4.46%
30	4	300.961	298.866	2.095	0.70%	3.22%
30	5	299.363	297.735	1.627	0.54%	2.50%
30	6 U	304.181	299.915	4.266	1.40%	6.56%
30	7 U	299.793	296.556	3.236	1.08%	4.98%
30	8 U	299.977	297.458	2.519	0.84%	3.88%
30	9 U	295.253	292.243	3.010	1.02%	4.63%
30	10 U	303.276	300.839	2.437	0.80%	3.75%
50	11	303.173	302.519	0.654	0.22%	1.01%
50	12	299.682	298.584	1.098	0.37%	1.69%
50	13	300.563	298.810	1.753	0.58%	2.70%
50	14	295.278	293.908	1.370	0.46%	2.11%
50	15	295.444	293.594	1.851	0.63%	2.85%
50	16 U	301.860	299.659	2.201	0.73%	3.39%
50	17 U	299.061	295.442	3.618	1.21%	5.57%
50	18 U	297.278	295.663	1.615	0.54%	2.48%
50	19 U	303.000	299.703	3.297	1.09%	5.07%
50	20 U	291.409	300.554	-9.145	-3.14%	14.07%
100	21	300.610	293.106	7.504	2.50%	11.55%
100	22	298.305	299.277	-0.972	-0.33%	1.49%
100	23	301.407	303.575	-2.168	-0.72%	3.34%
100	24	300.559	304.518	-3.960	-1.32%	6.09%
100	25	298.138	301.545	-3.407	-1.14%	5.24%
100	26 U	300.145	298.181	1.964	0.65%	3.02%
100	27 U	293.858	292.430	1.428	0.49%	2.20%
100	28 U	297.998	295.917	2.080	0.70%	3.20%
100	29 U	301.834	301.271	0.563	0.19%	0.87%
100	30 U	299.007	298.053	0.954	0.32%	1.47%
	Max	304.181	304.518	7.504	2.50%	14.07%
	Average	299.435	297.972	1.464	0.49%	4.14%
	Min	291.409	292.243	-9.145	-3.14%	0.87%
	Std Dev	2.978	3.250	2.909	0.98%	2.75%



VDD=3.3V 1.29G Fund F2 Linear				
Test Site				
Tester				
Test Number				
Max Limit	330.4671554		dB	
Min Limit	265.4764347		dB	
kRad	0	30	50	100
LL	265.476	265.476	265.476	265.476
Min	298.725	292.243	293.594	292.430
Average	299.425	296.994	297.844	298.787
Max	300.125	300.839	302.519	304.518
UL	330.467	330.467	330.467	330.467

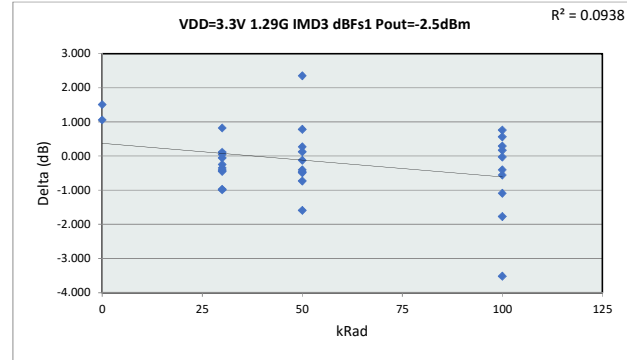


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G IMD3 dBFs1 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-83.85572473	-83.85572473
Min Limit	-108.6558972	-108.6558972

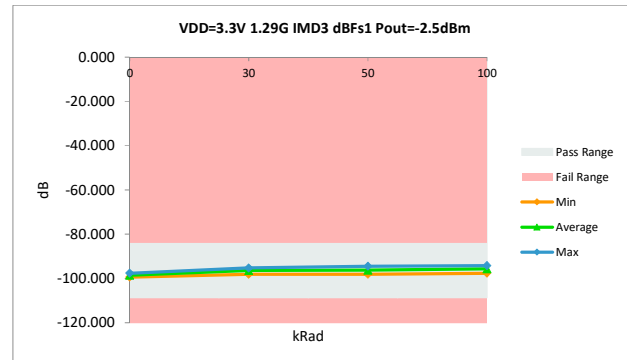
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-97.926	-99.433	1.506	-1.54%	6.07%
0	C2	-96.521	-97.579	1.059	-1.10%	4.27%
30	1	-95.519	-95.464	-0.055	0.06%	0.22%
30	2	-95.096	-95.920	0.823	-0.87%	3.32%
30	3	-95.674	-95.224	-0.450	0.47%	1.81%
30	4	-98.054	-97.811	-0.243	0.25%	0.98%
30	5	-98.026	-97.619	-0.407	0.42%	1.64%
30	6 U	-97.983	-98.095	0.112	-0.11%	0.45%
30	7 U	-96.603	-95.615	-0.988	1.02%	3.98%
30	8 U	-96.509	-96.164	-0.345	0.36%	1.39%
30	9 U	-96.640	-95.671	-0.969	1.00%	3.91%
30	10 U	-95.981	-96.031	0.049	-0.05%	0.20%
50	11	-95.413	-95.008	-0.405	0.42%	1.63%
50	12	-98.210	-98.090	-0.120	0.12%	0.48%
50	13	-96.664	-96.197	-0.466	0.48%	1.88%
50	14	-96.021	-94.431	-1.589	1.66%	6.41%
50	15	-96.010	-95.284	-0.727	0.76%	2.93%
50	16 U	-95.669	-95.941	0.272	-0.28%	1.10%
50	17 U	-97.699	-97.210	-0.488	0.50%	1.97%
50	18 U	-95.304	-96.085	0.782	-0.82%	3.15%
50	19 U	-96.960	-97.087	0.127	-0.13%	0.51%
50	20 U	-95.152	-97.505	2.352	-2.47%	9.49%
100	21	-98.724	-95.210	-3.514	3.56%	14.17%
100	22	-96.709	-96.683	-0.026	0.03%	0.11%
100	23	-95.144	-95.438	0.295	-0.31%	1.19%
100	24	-97.511	-95.744	-1.767	1.81%	7.13%
100	25	-96.850	-97.610	0.760	-0.78%	3.06%
100	26 U	-97.173	-96.617	-0.556	0.57%	2.24%
100	27 U	-95.266	-94.180	-1.086	1.14%	4.38%
100	28 U	-94.733	-94.903	0.170	-0.18%	0.69%
100	29 U	-95.041	-95.604	0.563	-0.59%	2.27%
100	30 U	-95.136	-94.733	-0.403	0.42%	1.62%
	Max	-94.733	-94.180	2.352	3.56%	14.17%
	Average	-96.435	-96.256	-0.179	0.18%	2.96%
	Min	-98.724	-99.433	-3.514	-2.47%	0.11%
	Std Dev	1.136	1.240	1.041	1.07%	3.02%



VDD=3.3V 1.29G IMD3 dBFs1

Test Site		
Tester		
Test Number		
Max Limit	-83.85572473	dB
Min Limit	-108.6558972	dB

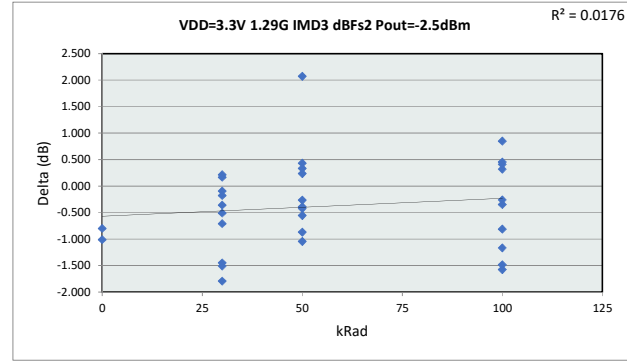
kRad	0	30	50	100
LL	-108.656	-108.656	-108.656	-108.656
Min	-99.433	-98.095	-98.090	-97.610
Average	-98.506	-96.361	-96.284	-95.672
Max	-97.579	-95.224	-94.431	-94.180
UL	-83.856	-83.856	-83.856	-83.856



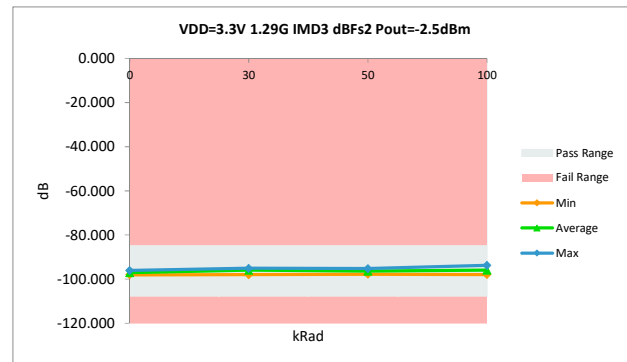
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G IMD3 dBFs2 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-84.68873068	-84.68873068
Min Limit	-107.6677351	-107.6677351

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-98.847	-98.047	-0.800	0.81%	3.48%
0	C2	-97.146	-96.134	-1.012	1.04%	4.40%
30	1	-95.353	-95.177	-0.176	0.18%	0.77%
30	2	-96.065	-95.356	-0.709	0.74%	3.09%
30	3	-95.317	-95.224	-0.092	0.10%	0.40%
30	4	-97.839	-96.330	-1.509	1.54%	6.57%
30	5	-99.174	-97.380	-1.795	1.81%	7.81%
30	6 U	-97.862	-98.031	0.169	-0.17%	0.73%
30	7 U	-96.389	-95.878	-0.511	0.53%	2.22%
30	8 U	-96.728	-95.280	-1.448	1.50%	6.30%
30	9 U	-95.847	-95.488	-0.359	0.38%	1.56%
30	10 U	-95.974	-96.188	0.213	-0.22%	0.93%
50	11	-96.488	-96.097	-0.391	0.41%	1.70%
50	12	-98.796	-97.752	-1.044	1.06%	4.54%
50	13	-96.332	-96.568	0.236	-0.24%	1.03%
50	14	-95.125	-95.557	0.432	-0.45%	1.88%
50	15	-95.367	-95.703	0.336	-0.35%	1.46%
50	16 U	-96.675	-96.123	-0.553	0.57%	2.40%
50	17 U	-97.911	-97.646	-0.265	0.27%	1.15%
50	18 U	-95.666	-95.244	-0.422	0.44%	1.84%
50	19 U	-96.696	-95.829	-0.867	0.90%	3.78%
50	20 U	-95.313	-97.388	2.075	-2.18%	9.03%
100	21	-97.996	-97.185	-0.812	0.83%	3.53%
100	22	-96.863	-97.183	0.320	-0.33%	1.39%
100	23	-95.675	-95.414	-0.261	0.27%	1.13%
100	24	-98.197	-96.623	-1.574	1.60%	6.85%
100	25	-96.306	-97.154	0.848	-0.88%	3.69%
100	26 U	-97.503	-97.912	0.409	-0.42%	1.78%
100	27 U	-95.347	-94.181	-1.166	1.22%	5.07%
100	28 U	-93.775	-94.230	0.455	-0.48%	1.98%
100	29 U	-95.998	-95.649	-0.348	0.36%	1.52%
100	30 U	-95.238	-93.754	-1.485	1.56%	6.46%
	Max	-93.775	-93.754	2.075	1.81%	9.03%
	Average	-96.556	-96.178	-0.378	0.39%	3.14%
	Min	-99.174	-98.047	-1.795	-2.18%	0.40%
	Std Dev	1.276	1.149	0.823	0.85%	2.33%



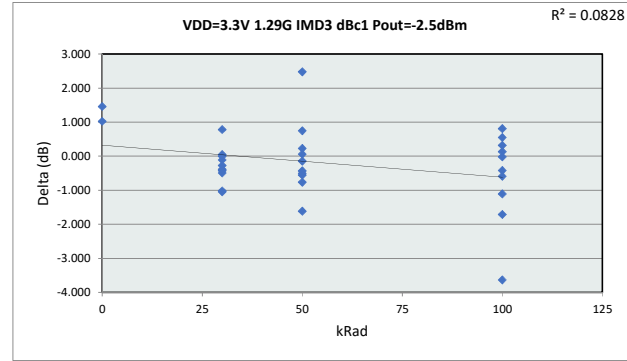
VDD=3.3V 1.29G IMD3 dBFs2				
Test Site				
Tester				
Test Number				
Max Limit	-84.68873068		dB	
Min Limit	-107.6677351		dB	
kRad	0	30	50	100
LL	-107.668	-107.668	-107.668	-107.668
Min	-98.047	-98.031	-97.752	-97.912
Average	-97.090	-96.033	-96.391	-95.928
Max	-96.134	-95.177	-95.244	-93.754
UL	-84.689	-84.689	-84.689	-84.689



QMLP TID Report
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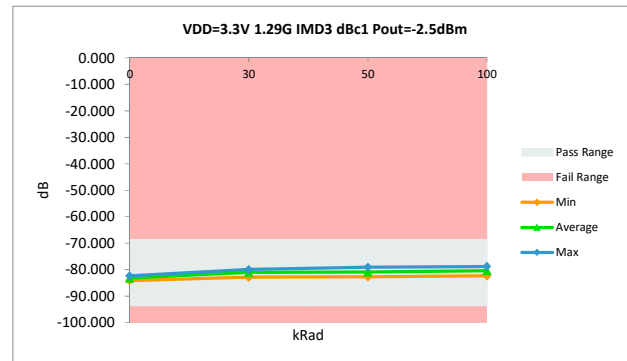
VDD=3.3V 1.29G IMD3 dBc1 Pout=2.5dBm	
Test Site	
Tester	
Test Number	
Unit	
Max Limit	-68.36251
Min Limit	-93.53960439

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-82.692	-84.147	1.455	-1.76%	5.78%
0	C2	-81.288	-82.310	1.022	-1.26%	4.06%
30	1	-80.192	-80.083	-0.109	0.14%	0.43%
30	2	-79.837	-80.618	0.781	-0.98%	3.10%
30	3	-80.388	-79.896	-0.492	0.61%	1.96%
30	4	-82.796	-82.522	-0.273	0.33%	1.09%
30	5	-82.748	-82.321	-0.427	0.52%	1.70%
30	6 U	-82.775	-82.823	0.048	-0.06%	0.19%
30	7 U	-81.334	-80.290	-1.044	1.28%	4.15%
30	8 U	-81.241	-80.852	-0.389	0.48%	1.55%
30	9 U	-81.305	-80.287	-1.018	1.25%	4.04%
30	10 U	-80.765	-80.764	-0.001	0.00%	0.01%
50	11	-80.192	-79.763	-0.429	0.53%	1.70%
50	12	-82.934	-82.789	-0.145	0.17%	0.57%
50	13	-81.405	-80.898	-0.506	0.62%	2.01%
50	14	-80.680	-79.065	-1.615	2.00%	6.41%
50	15	-80.679	-79.913	-0.767	0.95%	3.04%
50	16 U	-80.430	-80.660	0.230	-0.29%	0.91%
50	17 U	-82.419	-81.862	-0.557	0.68%	2.21%
50	18 U	-79.999	-80.746	0.747	-0.93%	2.97%
50	19 U	-81.740	-81.800	0.060	-0.07%	0.24%
50	20 U	-79.761	-82.238	2.477	-3.11%	9.84%
100	21	-83.466	-79.834	-3.633	4.35%	14.43%
100	22	-81.415	-81.396	-0.019	0.02%	0.08%
100	23	-79.895	-80.214	0.319	-0.40%	1.27%
100	24	-82.243	-80.532	-1.711	2.08%	6.80%
100	25	-81.551	-82.360	0.809	-0.99%	3.21%
100	26 U	-81.903	-81.317	-0.587	0.72%	2.33%
100	27 U	-79.900	-78.790	-1.110	1.39%	4.41%
100	28 U	-79.436	-79.567	0.131	-0.16%	0.52%
100	29 U	-79.797	-80.348	0.551	-0.69%	2.19%
100	30 U	-79.848	-79.428	-0.420	0.53%	1.67%
	Max	-79.436	-78.790	2.477	4.35%	14.43%
	Average	-81.158	-80.951	-0.207	0.25%	2.96%
	Min	-83.466	-84.147	-3.633	-3.11%	0.01%
	Std Dev	1.151	1.259	1.060	1.30%	3.06%



VDD=3.3V 1.29G IMD3 dBc1 Pout=2.5dBm	
Test Site	
Tester	
Test Number	
Max Limit	-68.36251
Min Limit	-93.53960439

kRad	0	30	50	100
LL	-93.540	-93.540	-93.540	-93.540
Min	-84.147	-82.823	-82.789	-82.360
Average	-83.228	-81.046	-80.973	-80.379
Max	-82.310	-79.896	-79.065	-78.790
UL	-68.363	-68.363	-68.363	-68.363

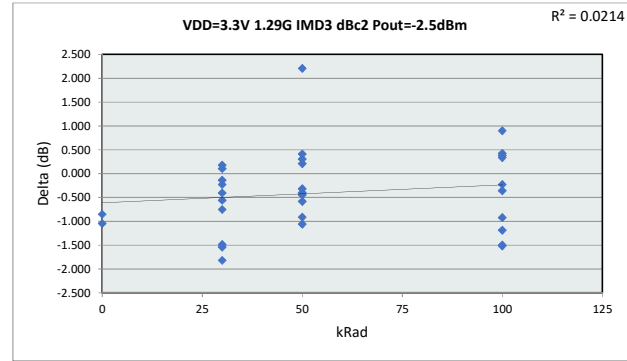


QMLP TID Report

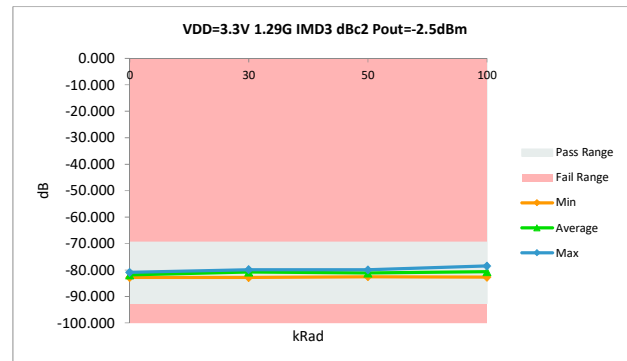
TRF0208 QMLP

VDD=3.3V 1.29G IMD3 dBc2 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-69.27540865	-69.27540865
Min Limit	-92.56406126	-92.56406126

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-83.651	-82.800	-0.852	1.02%	3.66%
0	C2	-81.954	-80.907	-1.047	1.28%	4.50%
30	1	-80.066	-79.837	-0.229	0.29%	0.98%
30	2	-80.846	-80.096	-0.750	0.93%	3.22%
30	3	-80.073	-79.938	-0.135	0.17%	0.58%
30	4	-82.624	-81.084	-1.540	1.86%	6.61%
30	5	-83.936	-82.118	-1.818	2.17%	7.81%
30	6 U	-82.693	-82.801	0.108	-0.13%	0.46%
30	7 U	-81.158	-80.600	-0.558	0.69%	2.40%
30	8 U	-81.498	-80.014	-1.484	1.82%	6.37%
30	9 U	-80.549	-80.145	-0.404	0.50%	1.73%
30	10 U	-80.793	-80.971	0.178	-0.22%	0.77%
50	11	-81.305	-80.904	-0.400	0.49%	1.72%
50	12	-83.562	-82.503	-1.060	1.27%	4.55%
50	13	-81.111	-81.322	0.210	-0.26%	0.90%
50	14	-79.827	-80.239	0.412	-0.52%	1.77%
50	15	-80.072	-80.380	0.308	-0.39%	1.32%
50	16 U	-81.473	-80.889	-0.584	0.72%	2.51%
50	17 U	-82.668	-82.351	-0.317	0.38%	1.36%
50	18 U	-80.398	-79.952	-0.445	0.55%	1.91%
50	19 U	-81.510	-80.595	-0.915	1.12%	3.93%
50	20 U	-79.958	-82.167	2.209	-2.76%	9.49%
100	21	-82.777	-81.855	-0.921	1.11%	3.96%
100	22	-81.609	-81.943	0.334	-0.41%	1.43%
100	23	-80.466	-80.237	-0.230	0.29%	0.99%
100	24	-82.977	-81.459	-1.517	1.83%	6.51%
100	25	-81.050	-81.948	0.897	-1.11%	3.85%
100	26 U	-82.276	-82.657	0.381	-0.46%	1.63%
100	27 U	-80.028	-78.841	-1.187	1.48%	5.10%
100	28 U	-78.517	-78.942	0.424	-0.54%	1.82%
100	29 U	-80.795	-80.439	-0.356	0.44%	1.53%
100	30 U	-79.995	-78.497	-1.499	1.87%	6.43%
	Max	-78.517	-78.497	2.209	2.17%	9.49%
	Average	-81.319	-80.920	-0.400	0.48%	3.18%
	Min	-83.936	-82.801	-1.818	-2.76%	0.46%
	Std Dev	1.298	1.164	0.841	1.03%	2.37%



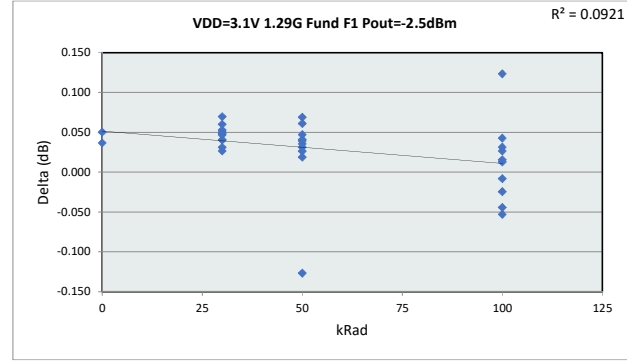
VDD=3.3V 1.29G IMD3 dBc2 Pout=-2.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-69.27540865		dB	
Min Limit	-92.56406126		dB	
kRad	0	30	50	100
LL	-92.564	-92.564	-92.564	-92.564
Min	-82.800	-82.801	-82.503	-82.657
Average	-81.853	-80.760	-81.130	-80.682
Max	-80.907	-79.837	-79.952	-78.497
UL	-69.275	-69.275	-69.275	-69.275



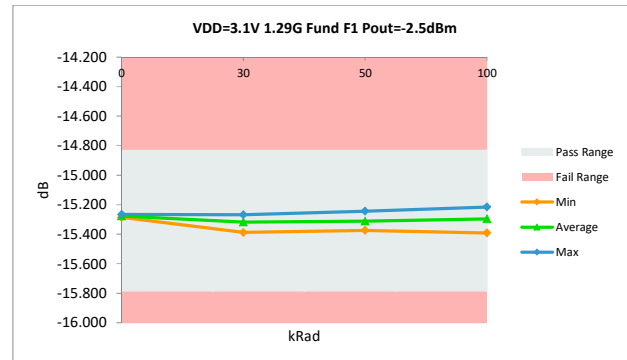
QMLP TID Report
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VDD=3.1V 1.29G Fund F1 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.82731601	-14.82731601
Min Limit	-15.78406832	-15.78406832

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.235	-15.286	0.050	-0.33%	5.24%
0	C2	-15.229	-15.266	0.037	-0.24%	3.83%
30	1	-15.326	-15.386	0.060	-0.39%	6.27%
30	2	-15.259	-15.299	0.041	-0.27%	4.25%
30	3	-15.289	-15.329	0.040	-0.26%	4.22%
30	4	-15.256	-15.287	0.031	-0.20%	3.25%
30	5	-15.276	-15.302	0.027	-0.17%	2.79%
30	6 U	-15.203	-15.273	0.070	-0.46%	7.30%
30	7 U	-15.270	-15.323	0.053	-0.35%	5.53%
30	8 U	-15.265	-15.314	0.049	-0.32%	5.12%
30	9 U	-15.341	-15.388	0.047	-0.30%	4.88%
30	10 U	-15.218	-15.268	0.050	-0.33%	5.25%
50	11	-15.224	-15.243	0.019	-0.12%	1.96%
50	12	-15.272	-15.299	0.026	-0.17%	2.76%
50	13	-15.257	-15.296	0.039	-0.26%	4.08%
50	14	-15.339	-15.370	0.031	-0.20%	3.28%
50	15	-15.332	-15.373	0.041	-0.27%	4.26%
50	16 U	-15.241	-15.288	0.047	-0.31%	4.91%
50	17 U	-15.279	-15.348	0.069	-0.45%	7.22%
50	18 U	-15.306	-15.342	0.036	-0.23%	3.72%
50	19 U	-15.221	-15.282	0.061	-0.40%	6.37%
50	20 U	-15.392	-15.265	-0.127	0.82%	13.23%
100	21	-15.257	-15.380	0.123	-0.81%	12.90%
100	22	-15.296	-15.288	-0.008	0.05%	0.84%
100	23	-15.252	-15.227	-0.024	0.16%	2.55%
100	24	-15.268	-15.215	-0.053	0.35%	5.54%
100	25	-15.296	-15.252	-0.044	0.29%	4.62%
100	26 U	-15.269	-15.300	0.031	-0.20%	3.27%
100	27 U	-15.364	-15.391	0.027	-0.17%	2.78%
100	28 U	-15.296	-15.338	0.043	-0.28%	4.46%
100	29 U	-15.243	-15.259	0.016	-0.10%	1.62%
100	30 U	-15.291	-15.304	0.013	-0.08%	1.34%
	Max	-15.203	-15.215	0.123	0.82%	13.23%
	Average	-15.277	-15.306	0.029	-0.19%	4.68%
	Min	-15.392	-15.391	-0.127	-0.81%	0.84%
	Std Dev	0.044	0.048	0.043	0.28%	2.71%



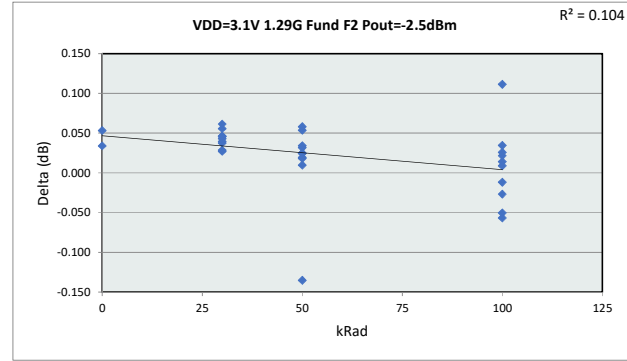
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Test Site				
Tester				
Test Number				
Max Limit	-14.82731601		dB	
Min Limit	-15.78406832		dB	
kRad	0	30	50	100
LL	-15.784	-15.784	-15.784	-15.784
Min	-15.286	-15.388	-15.373	-15.391
Average	-15.276	-15.317	-15.311	-15.295
Max	-15.266	-15.268	-15.243	-15.215
UL	-14.827	-14.827	-14.827	-14.827



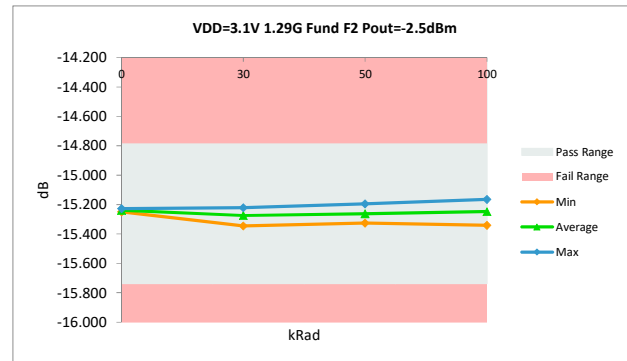
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G Fund F2 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.78345966	-14.78345966
Min Limit	-15.73642516	-15.73642516

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.197	-15.250	0.053	-0.35%	5.59%
0	C2	-15.194	-15.228	0.034	-0.22%	3.57%
30	1	-15.288	-15.344	0.056	-0.36%	5.84%
30	2	-15.219	-15.262	0.043	-0.28%	4.52%
30	3	-15.243	-15.289	0.046	-0.30%	4.80%
30	4	-15.217	-15.245	0.029	-0.19%	2.99%
30	5	-15.234	-15.261	0.027	-0.18%	2.84%
30	6 U	-15.169	-15.231	0.061	-0.40%	6.44%
30	7 U	-15.232	-15.278	0.046	-0.30%	4.80%
30	8 U	-15.229	-15.269	0.039	-0.26%	4.14%
30	9 U	-15.298	-15.345	0.047	-0.30%	4.89%
30	10 U	-15.183	-15.221	0.038	-0.25%	3.94%
50	11	-15.185	-15.194	0.010	-0.06%	1.02%
50	12	-15.233	-15.251	0.018	-0.12%	1.90%
50	13	-15.221	-15.246	0.025	-0.16%	2.59%
50	14	-15.300	-15.320	0.019	-0.13%	2.03%
50	15	-15.293	-15.325	0.032	-0.21%	3.32%
50	16 U	-15.203	-15.237	0.034	-0.22%	3.57%
50	17 U	-15.242	-15.300	0.058	-0.38%	6.10%
50	18 U	-15.269	-15.294	0.025	-0.16%	2.58%
50	19 U	-15.181	-15.235	0.054	-0.35%	5.63%
50	20 U	-15.354	-15.218	-0.135	0.88%	14.18%
100	21	-15.218	-15.330	0.111	-0.73%	11.69%
100	22	-15.253	-15.242	-0.012	0.08%	1.23%
100	23	-15.208	-15.181	-0.027	0.18%	2.80%
100	24	-15.222	-15.165	-0.057	0.37%	5.95%
100	25	-15.257	-15.206	-0.051	0.33%	5.30%
100	26 U	-15.229	-15.255	0.026	-0.17%	2.72%
100	27 U	-15.319	-15.340	0.022	-0.14%	2.26%
100	28 U	-15.255	-15.290	0.035	-0.23%	3.64%
100	29 U	-15.201	-15.210	0.009	-0.06%	0.94%
100	30 U	-15.245	-15.259	0.014	-0.09%	1.47%
	Max	-15.169	-15.165	0.111	0.88%	14.18%
	Average	-15.237	-15.260	0.023	-0.15%	4.23%
	Min	-15.354	-15.345	-0.135	-0.73%	0.94%
	Std Dev	0.043	0.048	0.043	0.28%	2.79%



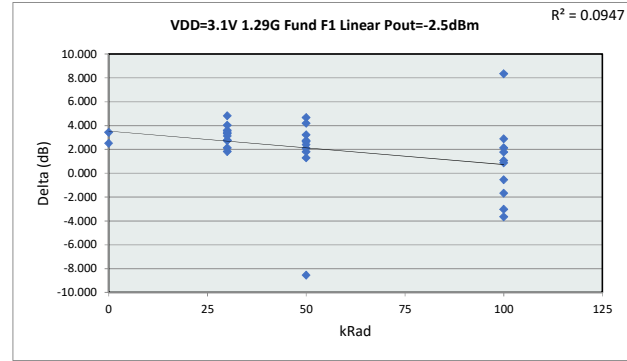
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Test Site				
Tester				
Test Number				
Max Limit	-14.78345966		dB	
Min Limit	-15.73642516		dB	
kRad	0	30	50	100
LL	-15.736	-15.736	-15.736	-15.736
Min	-15.250	-15.345	-15.325	-15.340
Average	-15.239	-15.274	-15.262	-15.248
Max	-15.228	-15.221	-15.194	-15.165
UL	-14.783	-14.783	-14.783	-14.783



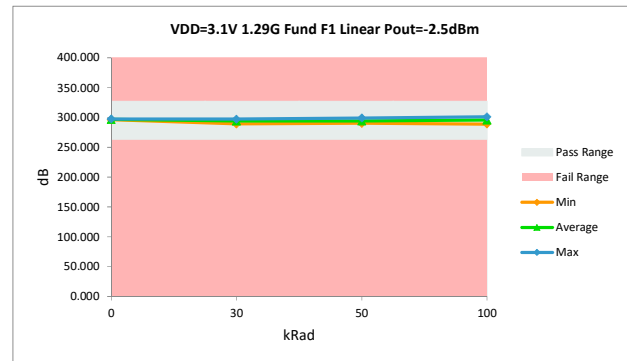
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G Fund F1 Linear		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	327.1731244	327.1731244
Min Limit	262.3302307	262.3302307

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	299.547	296.107	3.440	1.15%	5.30%
0	C2	299.966	297.445	2.521	0.84%	3.89%
30	1	293.377	289.353	4.024	1.37%	6.21%
30	2	297.941	295.164	2.776	0.93%	4.28%
30	3	295.902	293.165	2.737	0.92%	4.22%
30	4	298.147	296.023	2.124	0.71%	3.28%
30	5	296.773	294.957	1.816	0.61%	2.80%
30	6 U	301.765	296.954	4.812	1.59%	7.42%
30	7 U	297.181	293.586	3.595	1.21%	5.54%
30	8 U	297.515	294.177	3.338	1.12%	5.15%
30	9 U	292.339	289.211	3.128	1.07%	4.82%
30	10 U	300.730	297.274	3.456	1.15%	5.33%
50	11	300.322	299.026	1.296	0.43%	2.00%
50	12	297.022	295.221	1.802	0.61%	2.78%
50	13	298.067	295.403	2.665	0.89%	4.11%
50	14	292.477	290.373	2.104	0.72%	3.25%
50	15	292.934	290.197	2.737	0.93%	4.22%
50	16 U	299.125	295.905	3.221	1.08%	4.97%
50	17 U	296.544	291.864	4.680	1.58%	7.22%
50	18 U	294.688	292.282	2.405	0.82%	3.71%
50	19 U	300.526	296.335	4.191	1.39%	6.46%
50	20 U	288.929	297.477	-8.548	-2.96%	13.18%
100	21	298.074	289.723	8.351	2.80%	12.88%
100	22	295.407	295.953	-0.546	-0.18%	0.84%
100	23	298.422	300.102	-1.680	-0.56%	2.59%
100	24	297.293	300.942	-3.649	-1.23%	5.63%
100	25	295.375	298.395	-3.020	-1.02%	4.66%
100	26 U	297.238	295.104	2.134	0.72%	3.29%
100	27 U	290.795	289.021	1.774	0.61%	2.74%
100	28 U	295.413	292.523	2.891	0.98%	4.46%
100	29 U	299.023	297.954	1.068	0.36%	1.65%
100	30 U	295.714	294.841	0.873	0.30%	1.35%
	Max	301.765	300.942	8.351	2.80%	13.18%
	Average	296.705	294.752	1.954	0.65%	4.69%
	Min	288.929	289.021	-8.548	-2.96%	0.84%
	Std Dev	3.004	3.242	2.952	1.00%	2.71%



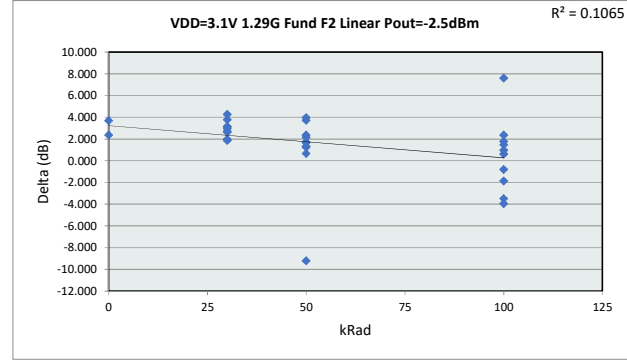
VDD=3.1V 1.29G Fund F1 Linear				
Test Site				
Tester				
Test Number				
Max Limit	327.1731244		dB	
Min Limit	262.3302307		dB	
kRad	0	30	50	100
LL	262.330	262.330	262.330	262.330
Min	296.107	289.211	290.197	289.021
Average	296.776	293.986	294.408	295.456
Max	297.445	297.274	299.026	300.942
UL	327.173	327.173	327.173	327.173



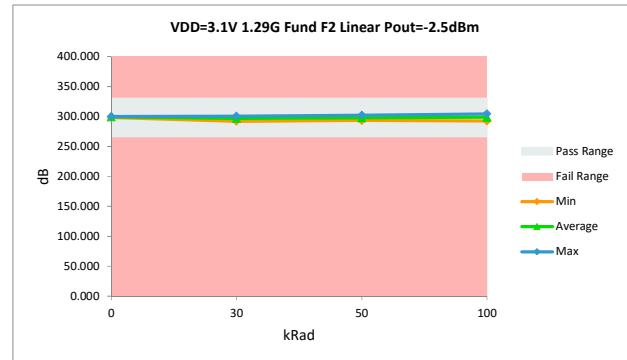
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G Fund F2 Linear		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	330.5241519	330.5241519
Min Limit	265.221753	265.221753

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	302.238	298.555	3.682	1.22%	5.64%
0	C2	302.445	300.088	2.358	0.78%	3.61%
30	1	295.935	292.166	3.769	1.27%	5.77%
30	2	300.655	297.689	2.966	0.99%	4.54%
30	3	299.029	295.897	3.131	1.05%	4.80%
30	4	300.832	298.861	1.971	0.66%	3.02%
30	5	299.620	297.757	1.862	0.62%	2.85%
30	6 U	304.141	299.876	4.265	1.40%	6.53%
30	7 U	299.786	296.647	3.139	1.05%	4.81%
30	8 U	299.958	297.244	2.713	0.90%	4.15%
30	9 U	295.248	292.100	3.148	1.07%	4.82%
30	10 U	303.153	300.546	2.607	0.86%	3.99%
50	11	303.055	302.379	0.676	0.22%	1.04%
50	12	299.711	298.465	1.247	0.42%	1.91%
50	13	300.552	298.847	1.704	0.57%	2.61%
50	14	295.097	293.782	1.315	0.45%	2.01%
50	15	295.585	293.441	2.143	0.73%	3.28%
50	16 U	301.788	299.433	2.356	0.78%	3.61%
50	17 U	299.102	295.128	3.974	1.33%	6.09%
50	18 U	297.240	295.561	1.679	0.56%	2.57%
50	19 U	303.303	299.577	3.726	1.23%	5.71%
50	20 U	291.505	300.718	-9.214	-3.16%	14.11%
100	21	300.723	293.107	7.616	2.53%	11.66%
100	22	298.309	299.113	-0.804	-0.27%	1.23%
100	23	301.473	303.328	-1.856	-0.62%	2.84%
100	24	300.491	304.439	-3.947	-1.31%	6.04%
100	25	298.090	301.579	-3.489	-1.17%	5.34%
100	26 U	299.997	298.211	1.786	0.60%	2.74%
100	27 U	293.840	292.385	1.454	0.49%	2.23%
100	28 U	298.191	295.821	2.370	0.79%	3.63%
100	29 U	301.909	301.288	0.621	0.21%	0.95%
100	30 U	298.865	297.905	0.959	0.32%	1.47%
	Max	304.141	304.439	7.616	2.53%	14.11%
	Average	299.433	297.873	1.560	0.52%	4.24%
	Min	291.505	292.100	-9.214	-3.16%	0.95%
	Std Dev	2.966	3.265	2.950	0.99%	2.79%



VDD=3.1V 1.29G Fund F2 Linear				
Test Site				
Tester				
Test Number				
Max Limit	330.5241519	dB		
Min Limit	265.221753	dB		
kRad	0	30	50	100
LL	265.222	265.222	265.222	265.222
Min	298.555	292.100	293.441	292.385
Average	299.321	296.878	297.733	298.718
Max	300.088	300.546	302.379	304.439
UL	330.524	330.524	330.524	330.524

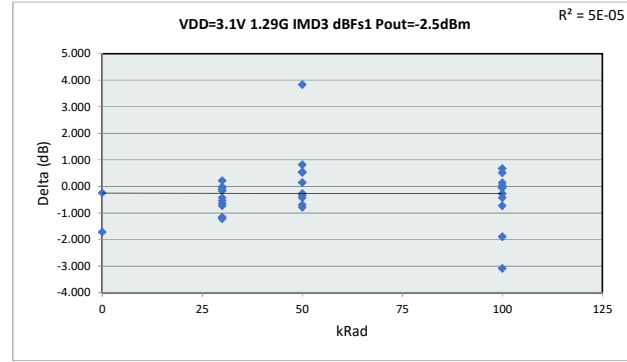


QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G IMD3 dBFs1 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-83.47875124	-83.47875124
Min Limit	-107.1743531	-107.1743531

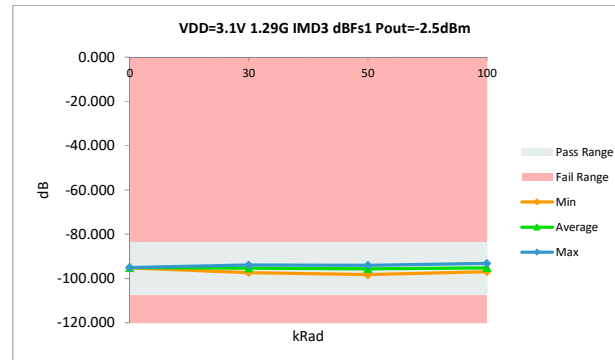
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-96.850	-95.131	-1.719	1.78%	7.26%
0	C2	-95.326	-95.082	-0.244	0.26%	1.03%
30	1	-94.066	-93.971	-0.095	0.10%	0.40%
30	2	-95.413	-94.993	-0.421	0.44%	1.78%
30	3	-94.777	-94.759	-0.017	0.02%	0.07%
30	4	-98.542	-97.322	-1.220	1.24%	5.15%
30	5	-96.970	-96.804	-0.166	0.17%	0.70%
30	6 U	-96.020	-96.242	0.222	-0.23%	0.94%
30	7 U	-95.419	-94.689	-0.730	0.76%	3.08%
30	8 U	-95.909	-94.753	-1.156	1.21%	4.88%
30	9 U	-95.382	-94.739	-0.642	0.67%	2.71%
30	10 U	-95.386	-94.855	-0.531	0.56%	2.24%
50	11	-94.603	-95.422	0.819	-0.87%	3.46%
50	12	-96.919	-96.496	-0.423	0.44%	1.78%
50	13	-95.521	-95.193	-0.328	0.34%	1.38%
50	14	-95.283	-94.495	-0.788	0.83%	3.32%
50	15	-94.350	-94.080	-0.269	0.29%	1.14%
50	16 U	-95.739	-95.048	-0.691	0.72%	2.92%
50	17 U	-96.337	-96.882	0.545	-0.57%	2.30%
50	18 U	-93.845	-94.377	0.531	-0.57%	2.24%
50	19 U	-95.521	-95.666	0.145	-0.15%	0.61%
50	20 U	-94.462	-98.298	3.836	-4.06%	16.19%
100	21	-97.031	-93.946	-3.085	3.18%	13.02%
100	22	-97.527	-95.641	-1.886	1.93%	7.96%
100	23	-94.639	-95.318	0.678	-0.72%	2.86%
100	24	-96.824	-96.850	0.026	-0.03%	0.11%
100	25	-96.807	-96.083	-0.723	0.75%	3.05%
100	26 U	-97.015	-96.594	-0.421	0.43%	1.78%
100	27 U	-93.446	-93.587	0.141	-0.15%	0.59%
100	28 U	-93.273	-93.221	-0.051	0.06%	0.22%
100	29 U	-95.585	-96.100	0.514	-0.54%	2.17%
100	30 U	-94.080	-93.811	-0.269	0.29%	1.14%
Max		-93.273	-93.221	3.836	3.18%	16.19%
Average		-95.590	-95.327	-0.263	0.27%	3.08%
Min		-98.542	-98.298	-3.085	-4.06%	0.07%
Std Dev		1.257	1.185	1.095	1.14%	3.58%



VDD=3.1V 1.29G IMD3 dBFs1

Test Site		
Tester		
Test Number		
Max Limit	-83.47875124	dB
Min Limit	-107.1743531	dB

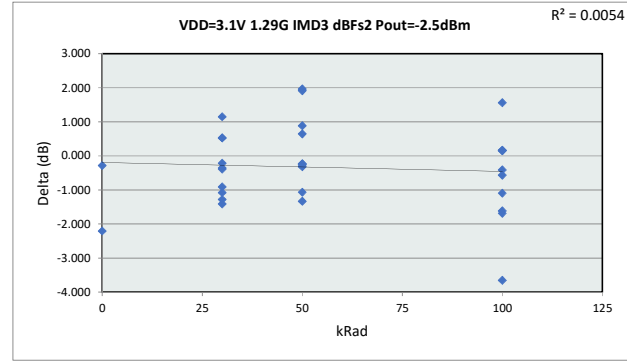
kRad	0	30	50	100
LL	-107.174	-107.174	-107.174	-107.174
Min	-95.131	-97.322	-98.298	-96.850
Average	-95.106	-95.313	-95.596	-95.115
Max	-95.082	-93.971	-94.080	-93.221
UL	-83.479	-83.479	-83.479	-83.479



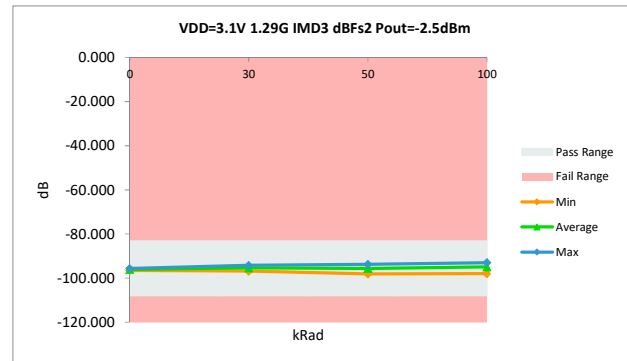
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G IMD3 dBFs2 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-82.86415269	-82.86415269
Min Limit	-107.9013173	-107.9013173

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-98.743	-96.535	-2.208	2.24%	8.82%
0	C2	-95.916	-95.633	-0.283	0.29%	1.13%
30	1	-93.676	-94.821	1.145	-1.22%	4.57%
30	2	-95.543	-94.635	-0.908	0.95%	3.63%
30	3	-94.636	-94.278	-0.358	0.38%	1.43%
30	4	-98.142	-96.863	-1.280	1.30%	5.11%
30	5	-96.382	-96.168	-0.214	0.22%	0.86%
30	6 U	-96.050	-96.578	0.528	-0.55%	2.11%
30	7 U	-95.197	-95.723	0.526	-0.55%	2.10%
30	8 U	-96.456	-95.044	-1.412	1.46%	5.64%
30	9 U	-96.147	-95.068	-1.079	1.12%	4.31%
30	10 U	-94.843	-94.454	-0.389	0.41%	1.55%
50	11	-95.360	-95.125	-0.235	0.25%	0.94%
50	12	-96.138	-98.054	1.916	-1.99%	7.65%
50	13	-95.330	-96.214	0.884	-0.93%	3.53%
50	14	-94.626	-94.385	-0.241	0.25%	0.96%
50	15	-94.033	-93.770	-0.263	0.28%	1.05%
50	16 U	-96.219	-95.151	-1.069	1.11%	4.27%
50	17 U	-97.928	-96.597	-1.330	1.36%	5.31%
50	18 U	-94.311	-94.955	0.645	-0.68%	2.58%
50	19 U	-96.260	-95.943	-0.316	0.33%	1.26%
50	20 U	-94.569	-96.534	1.965	-2.08%	7.85%
100	21	-97.897	-94.242	-3.655	3.73%	14.60%
100	22	-97.151	-95.535	-1.616	1.66%	6.45%
100	23	-95.645	-95.233	-0.412	0.43%	1.64%
100	24	-97.060	-95.373	-1.686	1.74%	6.74%
100	25	-96.456	-98.013	1.557	-1.61%	6.22%
100	26 U	-96.555	-96.703	0.148	-0.15%	0.59%
100	27 U	-94.064	-93.499	-0.565	0.60%	2.26%
100	28 U	-92.906	-93.071	0.165	-0.18%	0.66%
100	29 U	-94.928	-95.086	0.158	-0.17%	0.63%
100	30 U	-94.063	-92.967	-1.096	1.17%	4.38%
	Max	-92.906	-92.967	1.965	3.73%	14.60%
	Average	-95.726	-95.383	-0.343	0.35%	3.78%
	Min	-98.743	-98.054	-3.655	-2.08%	0.59%
	Std Dev	1.389	1.252	1.190	1.23%	3.13%



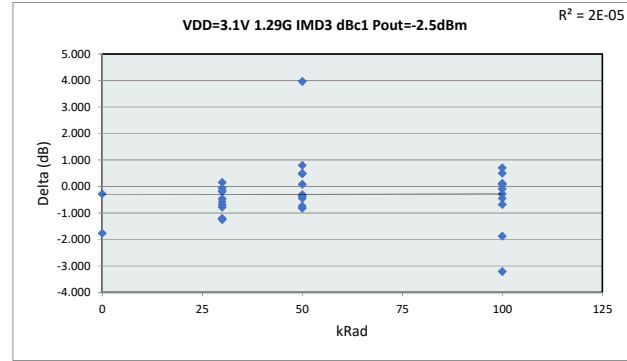
VDD=3.1V 1.29G IMD3 dBFs2				
Test Site				
Tester				
Test Number				
Max Limit	-82.86415269		dB	
Min Limit	-107.9013173		dB	
kRad	0	30	50	100
LL	-107.901	-107.901	-107.901	-107.901
Min	-96.535	-96.863	-98.054	-98.013
Average	-96.084	-95.363	-95.673	-94.972
Max	-95.633	-94.278	-93.770	-92.967
UL	-82.864	-82.864	-82.864	-82.864



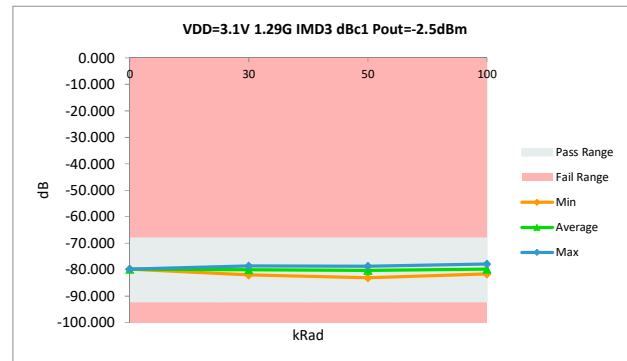
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G IMD3 dBc1 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-67.89166102	-67.89166102
Min Limit	-92.15005698	-92.15005698

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-81.615	-79.845	-1.769	2.17%	7.29%
0	C2	-80.097	-79.816	-0.281	0.35%	1.16%
30	1	-78.740	-78.586	-0.155	0.20%	0.64%
30	2	-80.155	-79.693	-0.462	0.58%	1.90%
30	3	-79.488	-79.430	-0.058	0.07%	0.24%
30	4	-83.286	-82.035	-1.251	1.50%	5.16%
30	5	-81.694	-81.502	-0.192	0.24%	0.79%
30	6 U	-80.817	-80.969	0.152	-0.19%	0.63%
30	7 U	-80.149	-79.367	-0.783	0.98%	3.23%
30	8 U	-80.644	-79.439	-1.205	1.49%	4.97%
30	9 U	-80.041	-79.352	-0.689	0.86%	2.84%
30	10 U	-80.168	-79.586	-0.582	0.73%	2.40%
50	11	-79.378	-80.179	0.800	-1.01%	3.30%
50	12	-81.647	-81.198	-0.449	0.55%	1.85%
50	13	-80.264	-79.897	-0.367	0.46%	1.51%
50	14	-79.944	-79.125	-0.819	1.02%	3.38%
50	15	-79.017	-78.707	-0.310	0.39%	1.28%
50	16 U	-80.497	-79.760	-0.738	0.92%	3.04%
50	17 U	-81.058	-81.534	0.476	-0.59%	1.96%
50	18 U	-78.539	-79.035	0.496	-0.63%	2.04%
50	19 U	-80.300	-80.384	0.084	-0.10%	0.35%
50	20 U	-79.070	-83.033	3.963	-5.01%	16.33%
100	21	-81.774	-78.566	-3.208	3.92%	13.23%
100	22	-82.231	-80.353	-1.878	2.28%	7.74%
100	23	-79.388	-80.090	0.702	-0.88%	2.90%
100	24	-81.556	-81.635	0.079	-0.10%	0.32%
100	25	-81.510	-80.831	-0.679	0.83%	2.80%
100	26 U	-81.746	-81.294	-0.452	0.55%	1.86%
100	27 U	-78.082	-78.197	0.114	-0.15%	0.47%
100	28 U	-77.977	-77.883	-0.094	0.12%	0.39%
100	29 U	-80.342	-80.841	0.499	-0.62%	2.06%
100	30 U	-78.789	-78.507	-0.282	0.36%	1.16%
Max		-77.977	-77.883	3.963	3.92%	16.33%
Average		-80.313	-80.021	-0.292	0.35%	3.10%
Min		-83.286	-83.033	-3.208	-5.01%	0.24%
Std Dev		1.275	1.213	1.122	1.40%	3.60%



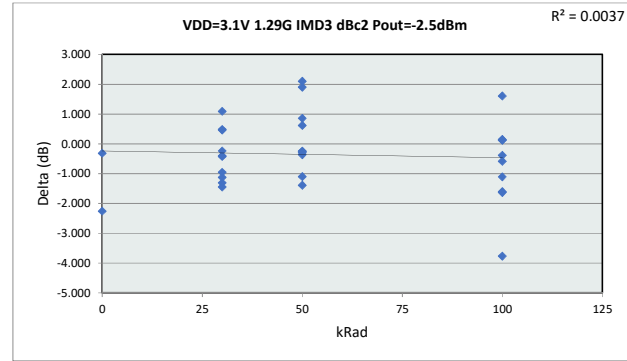
VDD=3.1V 1.29G IMD3 dBc1 Pout				
Test Site				
Tester				
Test Number				
Max Limit	-67.89166102		dB	
Min Limit	-92.15005698		dB	
kRad	0	30	50	100
LL	-92.150	-92.150	-92.150	-92.150
Min	-79.845	-82.035	-83.033	-81.635
Average	-79.831	-79.996	-80.285	-79.820
Max	-79.816	-78.586	-78.707	-77.883
UL	-67.892	-67.892	-67.892	-67.892



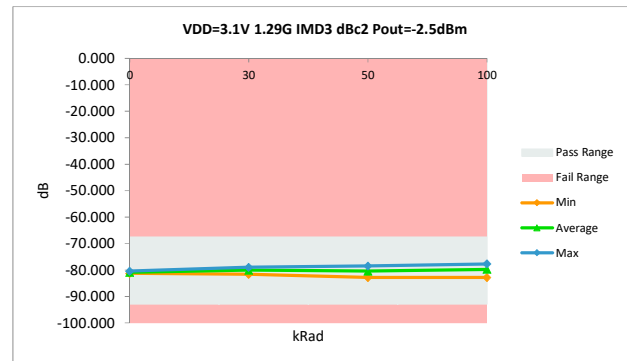
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G IMD3 dBc2 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-67.39807757	-67.39807757
Min Limit	-92.8475093	-92.8475093

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-83.546	-81.285	-2.262	2.71%	8.89%
0	C2	-80.722	-80.406	-0.317	0.39%	1.24%
30	1	-78.388	-79.477	1.089	-1.39%	4.28%
30	2	-80.324	-79.372	-0.951	1.18%	3.74%
30	3	-79.393	-78.989	-0.404	0.51%	1.59%
30	4	-82.925	-81.617	-1.308	1.58%	5.14%
30	5	-81.147	-80.906	-0.241	0.30%	0.95%
30	6 U	-80.881	-81.347	0.467	-0.58%	1.83%
30	7 U	-79.965	-80.445	0.480	-0.60%	1.89%
30	8 U	-81.227	-79.775	-1.452	1.79%	5.70%
30	9 U	-80.849	-79.723	-1.126	1.39%	4.42%
30	10 U	-79.659	-79.233	-0.426	0.54%	1.68%
50	11	-80.175	-79.931	-0.244	0.30%	0.96%
50	12	-80.905	-82.803	1.898	-2.35%	7.46%
50	13	-80.109	-80.968	0.860	-1.07%	3.38%
50	14	-79.325	-79.065	-0.261	0.33%	1.02%
50	15	-78.740	-78.445	-0.294	0.37%	1.16%
50	16 U	-81.016	-79.914	-1.103	1.36%	4.33%
50	17 U	-82.686	-81.297	-1.388	1.68%	5.46%
50	18 U	-79.042	-79.662	0.620	-0.78%	2.44%
50	19 U	-81.079	-80.709	-0.370	0.46%	1.45%
50	20 U	-79.215	-81.316	2.100	-2.65%	8.25%
100	21	-82.678	-78.912	-3.766	4.56%	14.80%
100	22	-81.898	-80.294	-1.604	1.96%	6.30%
100	23	-80.437	-80.052	-0.385	0.48%	1.51%
100	24	-81.838	-80.208	-1.630	1.99%	6.40%
100	25	-81.199	-82.807	1.607	-1.98%	6.32%
100	26 U	-81.326	-81.448	0.122	-0.15%	0.48%
100	27 U	-78.745	-78.158	-0.587	0.75%	2.31%
100	28 U	-77.651	-77.781	0.131	-0.17%	0.51%
100	29 U	-79.727	-79.876	0.149	-0.19%	0.59%
100	30 U	-78.817	-77.707	-1.110	1.41%	4.36%
	Max	-77.651	-77.707	2.100	4.56%	14.80%
	Average	-80.489	-80.123	-0.366	0.44%	3.78%
	Min	-83.546	-82.807	-3.766	-2.65%	0.48%
	Std Dev	1.408	1.272	1.210	1.49%	3.16%



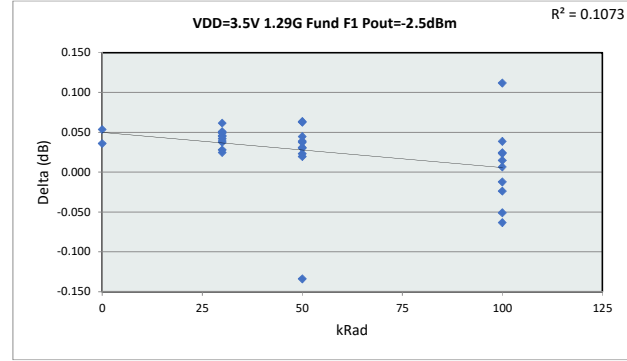
VDD=3.1V 1.29G IMD3 dBc2 Pout=-2.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-67.39807757		dB	
Min Limit	-92.8475093		dB	
kRad	0	30	50	100
LL	-92.848	-92.848	-92.848	-92.848
Min	-81.285	-81.617	-82.803	-82.807
Average	-80.845	-80.089	-80.411	-79.724
Max	-80.406	-78.989	-78.445	-77.707
UL	-67.398	-67.398	-67.398	-67.398



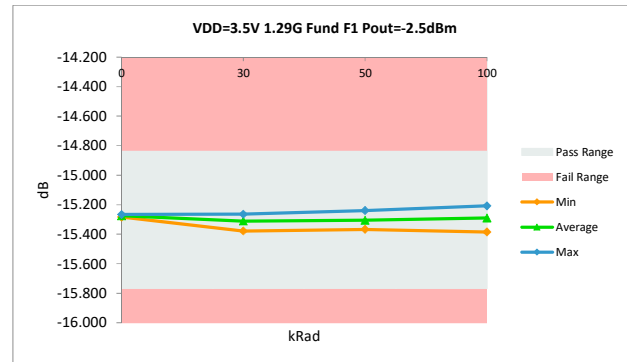
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G Fund F1 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.83372631	-14.83372631
Min Limit	-15.76719622	-15.76719622

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.230	-15.284	0.054	-0.35%	5.73%
0	C2	-15.231	-15.267	0.036	-0.24%	3.85%
30	1	-15.324	-15.375	0.051	-0.33%	5.46%
30	2	-15.257	-15.299	0.042	-0.27%	4.49%
30	3	-15.284	-15.321	0.037	-0.24%	4.00%
30	4	-15.255	-15.283	0.028	-0.18%	3.01%
30	5	-15.275	-15.299	0.025	-0.16%	2.64%
30	6 U	-15.206	-15.268	0.061	-0.40%	6.58%
30	7 U	-15.267	-15.316	0.049	-0.32%	5.27%
30	8 U	-15.264	-15.303	0.039	-0.26%	4.18%
30	9 U	-15.334	-15.379	0.045	-0.29%	4.83%
30	10 U	-15.219	-15.264	0.046	-0.30%	4.88%
50	11	-15.220	-15.240	0.020	-0.13%	2.10%
50	12	-15.275	-15.298	0.023	-0.15%	2.49%
50	13	-15.254	-15.291	0.037	-0.24%	4.00%
50	14	-15.337	-15.367	0.030	-0.20%	3.23%
50	15	-15.326	-15.365	0.039	-0.25%	4.17%
50	16 U	-15.235	-15.280	0.045	-0.29%	4.77%
50	17 U	-15.279	-15.342	0.063	-0.41%	6.79%
50	18 U	-15.302	-15.333	0.031	-0.20%	3.31%
50	19 U	-15.217	-15.280	0.063	-0.41%	6.71%
50	20 U	-15.392	-15.258	-0.134	0.87%	14.34%
100	21	-15.260	-15.372	0.112	-0.73%	11.97%
100	22	-15.295	-15.283	-0.012	0.08%	1.30%
100	23	-15.247	-15.223	-0.024	0.16%	2.55%
100	24	-15.271	-15.208	-0.063	0.41%	6.78%
100	25	-15.299	-15.248	-0.051	0.33%	5.45%
100	26 U	-15.273	-15.297	0.024	-0.16%	2.62%
100	27 U	-15.361	-15.385	0.023	-0.15%	2.51%
100	28 U	-15.294	-15.333	0.039	-0.25%	4.14%
100	29 U	-15.246	-15.252	0.007	-0.04%	0.70%
100	30 U	-15.286	-15.301	0.015	-0.10%	1.58%
	Max	-15.206	-15.208	0.112	0.87%	14.34%
	Average	-15.275	-15.300	0.025	-0.16%	4.58%
	Min	-15.392	-15.385	-0.134	-0.73%	0.70%
	Std Dev	0.044	0.047	0.044	0.29%	2.79%



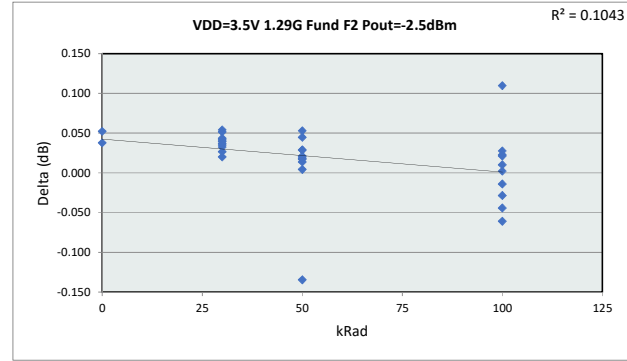
VDD=3.5V 1.29G Fund F1 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-14.83372631			dB
Min Limit	-15.76719622			dB
kRad	0	30	50	100
LL	-15.767	-15.767	-15.767	-15.767
Min	-15.284	-15.379	-15.367	-15.385
Average	-15.275	-15.311	-15.305	-15.290
Max	-15.267	-15.264	-15.240	-15.208
UL	-14.834	-14.834	-14.834	-14.834



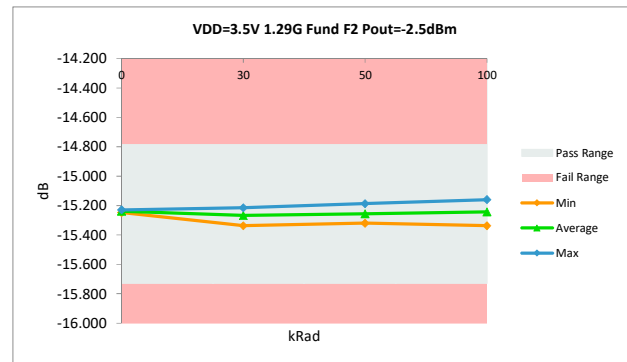
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G Fund F2 Pout=-2.5dBm		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.7821596	-14.7821596
Min Limit	-15.7270638	-15.7270638

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.194	-15.246	0.052	-0.34%	5.54%
0	C2	-15.191	-15.229	0.038	-0.25%	3.99%
30	1	-15.286	-15.337	0.052	-0.34%	5.45%
30	2	-15.217	-15.257	0.039	-0.26%	4.17%
30	3	-15.243	-15.280	0.037	-0.24%	3.90%
30	4	-15.215	-15.241	0.027	-0.18%	2.83%
30	5	-15.237	-15.257	0.020	-0.13%	2.13%
30	6 U	-15.169	-15.223	0.054	-0.36%	5.72%
30	7 U	-15.228	-15.271	0.043	-0.29%	4.60%
30	8 U	-15.225	-15.259	0.035	-0.23%	3.69%
30	9 U	-15.295	-15.337	0.041	-0.27%	4.39%
30	10 U	-15.182	-15.214	0.032	-0.21%	3.44%
50	11	-15.183	-15.187	0.004	-0.03%	0.48%
50	12	-15.235	-15.249	0.014	-0.09%	1.45%
50	13	-15.218	-15.239	0.021	-0.14%	2.24%
50	14	-15.298	-15.316	0.017	-0.11%	1.81%
50	15	-15.291	-15.320	0.029	-0.19%	3.05%
50	16 U	-15.201	-15.230	0.029	-0.19%	3.04%
50	17 U	-15.239	-15.292	0.053	-0.35%	5.60%
50	18 U	-15.266	-15.284	0.019	-0.12%	1.97%
50	19 U	-15.184	-15.229	0.045	-0.29%	4.74%
50	20 U	-15.351	-15.216	-0.135	0.88%	14.24%
100	21	-15.219	-15.329	0.110	-0.72%	11.62%
100	22	-15.254	-15.240	-0.014	0.09%	1.49%
100	23	-15.205	-15.176	-0.028	0.19%	3.00%
100	24	-15.221	-15.160	-0.061	0.40%	6.44%
100	25	-15.251	-15.207	-0.044	0.29%	4.67%
100	26 U	-15.227	-15.248	0.021	-0.14%	2.25%
100	27 U	-15.314	-15.337	0.023	-0.15%	2.40%
100	28 U	-15.254	-15.282	0.028	-0.18%	2.93%
100	29 U	-15.202	-15.204	0.002	-0.02%	0.25%
100	30 U	-15.240	-15.250	0.010	-0.07%	1.08%
	Max	-15.169	-15.160	0.110	0.88%	14.24%
	Average	-15.235	-15.255	0.019	-0.13%	3.89%
	Min	-15.351	-15.337	-0.135	-0.72%	0.25%
	Std Dev	0.043	0.047	0.042	0.27%	2.87%



VDD=3.5V 1.29G Fund F2 Pout=-2.5dBm					
Test Site					
Tester					
Test Number					
Max Limit	-14.7821596		dB		
Min Limit	-15.7270638		dB		
	kRad	0	30	50	100
LL		-15.727	-15.727	-15.727	-15.727
Min		-15.246	-15.337	-15.320	-15.337
Average		-15.238	-15.268	-15.256	-15.243
Max		-15.229	-15.214	-15.187	-15.160
UL		-14.782	-14.782	-14.782	-14.782

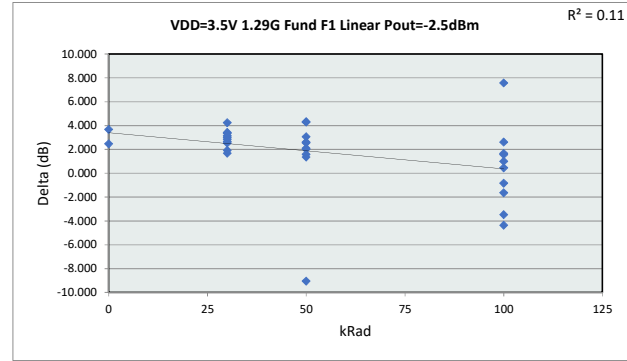


QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G Fund F1 Linea

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	326.7871894	326.7871894
Min Limit	263.4249688	263.4249688

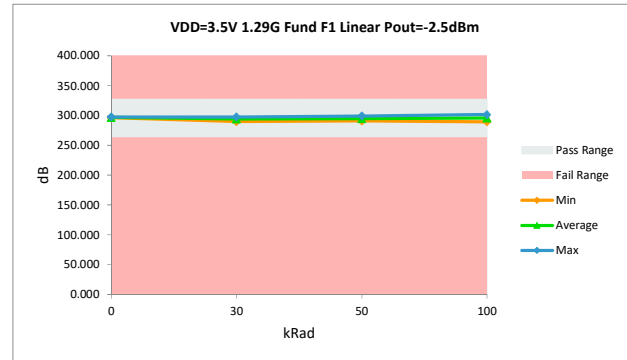
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	299.882	296.210	3.672	1.22%	5.79%
0	C2	299.857	297.387	2.470	0.82%	3.90%
30	1	293.463	290.039	3.423	1.17%	5.40%
30	2	298.073	295.213	2.860	0.96%	4.51%
30	3	296.202	293.665	2.538	0.86%	4.01%
30	4	298.210	296.289	1.922	0.64%	3.03%
30	5	296.856	295.179	1.677	0.56%	2.65%
30	6 U	301.559	297.322	4.237	1.40%	6.69%
30	7 U	297.355	294.005	3.350	1.13%	5.29%
30	8 U	297.599	294.936	2.662	0.89%	4.20%
30	9 U	292.800	289.779	3.021	1.03%	4.77%
30	10 U	300.703	297.564	3.139	1.04%	4.95%
50	11	300.599	299.247	1.352	0.45%	2.13%
50	12	296.854	295.273	1.582	0.53%	2.50%
50	13	298.251	295.700	2.550	0.86%	4.03%
50	14	292.637	290.613	2.023	0.69%	3.19%
50	15	293.334	290.719	2.615	0.89%	4.13%
50	16 U	299.565	296.507	3.058	1.02%	4.83%
50	17 U	296.563	292.268	4.295	1.45%	6.78%
50	18 U	295.010	292.918	2.093	0.71%	3.30%
50	19 U	300.793	296.489	4.304	1.43%	6.79%
50	20 U	288.945	297.992	-9.047	-3.13%	14.28%
100	21	297.866	290.298	7.567	2.54%	11.94%
100	22	295.432	296.259	-0.827	-0.28%	1.31%
100	23	298.740	300.381	-1.641	-0.55%	2.59%
100	24	297.078	301.436	-4.358	-1.47%	6.88%
100	25	295.182	298.662	-3.480	-1.18%	5.49%
100	26 U	296.983	295.314	1.670	0.56%	2.63%
100	27 U	290.989	289.420	1.568	0.54%	2.48%
100	28 U	295.497	292.878	2.619	0.89%	4.13%
100	29 U	298.823	298.373	0.450	0.15%	0.71%
100	30 U	296.068	295.062	1.006	0.34%	1.59%
	Max	301.559	301.436	7.567	2.54%	14.28%
	Average	296.805	295.106	1.699	0.57%	4.59%
	Min	288.945	289.420	-9.047	-3.13%	0.71%
	Std Dev	2.966	3.168	2.977	1.01%	2.78%



VDD=3.5V 1.29G Fund F1 Line

Test Site		
Tester		
Test Number		
Max Limit	326.7871894	dB
Min Limit	263.4249688	dB

kRad	0	30	50	100
LL	263.425	263.425	263.425	263.425
Min	296.210	289.779	290.613	289.420
Average	296.798	294.399	294.773	295.808
Max	297.387	297.564	299.247	301.436
UL	326.787	326.787	326.787	326.787

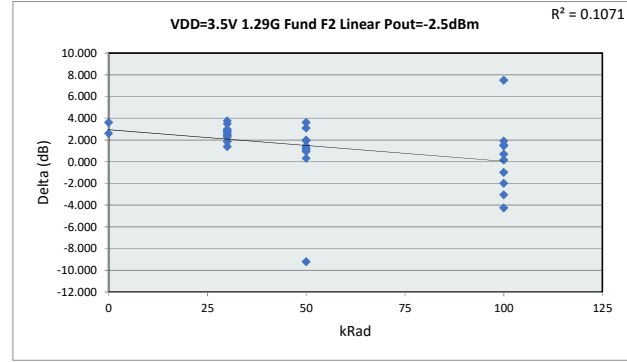


QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G Fund F2 Linea

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	330.6489999	330.6489999
Min Limit	265.8280032	265.8280032

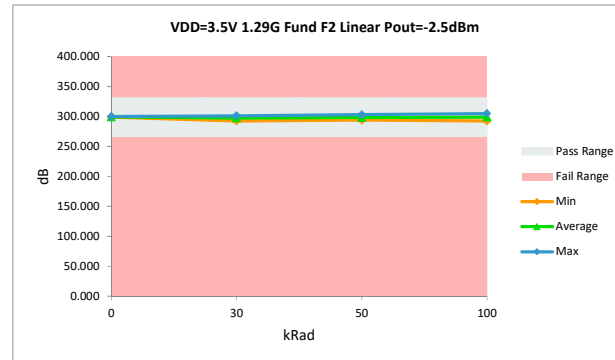
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	302.403	298.782	3.621	1.20%	5.59%
0	C2	302.598	299.984	2.614	0.86%	4.03%
30	1	296.097	292.607	3.491	1.18%	5.39%
30	2	300.796	298.077	2.719	0.90%	4.19%
30	3	299.041	296.512	2.529	0.85%	3.90%
30	4	300.972	299.127	1.845	0.61%	2.85%
30	5	299.429	298.046	1.383	0.46%	2.13%
30	6 U	304.151	300.388	3.763	1.24%	5.81%
30	7 U	300.056	297.066	2.990	1.00%	4.61%
30	8 U	300.295	297.890	2.404	0.80%	3.71%
30	9 U	295.432	292.623	2.809	0.95%	4.33%
30	10 U	303.279	301.020	2.259	0.74%	3.49%
50	11	303.202	302.888	0.314	0.10%	0.48%
50	12	299.580	298.634	0.946	0.32%	1.46%
50	13	300.736	299.276	1.460	0.49%	2.25%
50	14	295.228	294.068	1.160	0.39%	1.79%
50	15	295.729	293.773	1.956	0.66%	3.02%
50	16 U	301.923	299.933	1.990	0.66%	3.07%
50	17 U	299.285	295.663	3.622	1.21%	5.59%
50	18 U	297.473	296.198	1.275	0.43%	1.97%
50	19 U	303.115	300.005	3.109	1.03%	4.80%
50	20 U	291.708	300.888	-9.181	-3.15%	14.16%
100	21	300.656	293.148	7.508	2.50%	11.58%
100	22	298.275	299.243	-0.968	-0.32%	1.49%
100	23	301.675	303.650	-1.975	-0.65%	3.05%
100	24	300.555	304.796	-4.241	-1.41%	6.54%
100	25	298.458	301.506	-3.048	-1.02%	4.70%
100	26 U	300.130	298.665	1.465	0.49%	2.26%
100	27 U	294.148	292.616	1.533	0.52%	2.36%
100	28 U	298.232	296.337	1.896	0.64%	2.92%
100	29 U	301.862	301.698	0.163	0.05%	0.25%
100	30 U	299.230	298.526	0.704	0.24%	1.09%
	Max	304.151	304.796	7.508	2.50%	14.16%
	Average	299.555	298.239	1.316	0.44%	3.90%
	Min	291.708	292.607	-9.181	-3.15%	0.25%
	Std Dev	2.921	3.241	2.872	0.97%	2.86%



VDD=3.5V 1.29G Fund F2 Line

Test Site		
Tester		
Test Number		
Max Limit	330.6489999	dB
Min Limit	265.8280032	dB

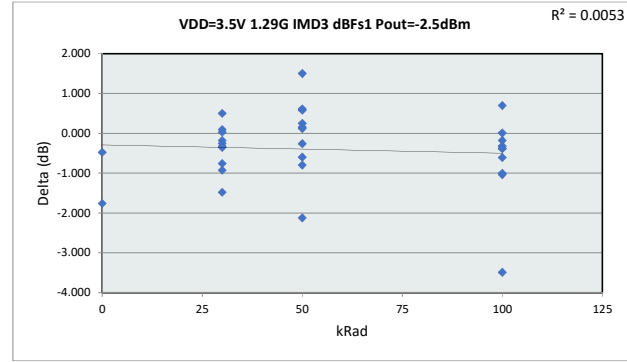
kRad	0	30	50	100
LL	265.828	265.828	265.828	265.828
Min	298.782	292.607	293.773	292.616
Average	299.383	297.336	298.133	299.018
Max	299.984	301.020	302.888	304.796
UL	330.649	330.649	330.649	330.649



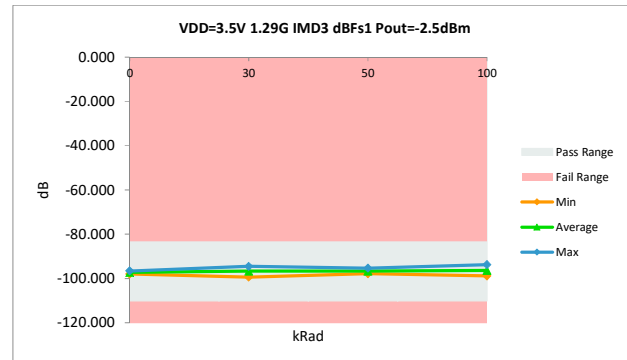
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G IMD3 dBFs1 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-83.17536798	-83.17536798
Min Limit	-110.0870274	-110.0870274

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-99.725	-97.966	-1.759	1.76%	6.54%
0	C2	-97.052	-96.572	-0.480	0.49%	1.78%
30	1	-95.458	-94.531	-0.927	0.97%	3.44%
30	2	-96.093	-96.122	0.029	-0.03%	0.11%
30	3	-96.172	-95.821	-0.351	0.36%	1.30%
30	4	-99.331	-99.428	0.098	-0.10%	0.36%
30	5	-98.687	-97.931	-0.756	0.77%	2.81%
30	6 U	-98.429	-98.929	0.500	-0.51%	1.86%
30	7 U	-96.254	-96.003	-0.251	0.26%	0.93%
30	8 U	-97.096	-95.617	-1.480	1.52%	5.50%
30	9 U	-96.472	-96.294	-0.177	0.18%	0.66%
30	10 U	-96.441	-96.118	-0.323	0.33%	1.20%
50	11	-96.340	-96.587	0.247	-0.26%	0.92%
50	12	-99.536	-97.418	-2.119	2.13%	7.87%
50	13	-96.972	-97.552	0.581	-0.60%	2.16%
50	14	-95.305	-95.913	0.609	-0.64%	2.26%
50	15	-95.696	-95.433	-0.263	0.28%	0.98%
50	16 U	-96.833	-96.235	-0.599	0.62%	2.22%
50	17 U	-97.708	-97.861	0.153	-0.16%	0.57%
50	18 U	-96.118	-95.322	-0.796	0.83%	2.96%
50	19 U	-97.092	-97.211	0.119	-0.12%	0.44%
50	20 U	-96.247	-97.748	1.501	-1.56%	5.58%
100	21	-99.982	-96.495	-3.487	3.49%	12.96%
100	22	-98.619	-98.237	-0.382	0.39%	1.42%
100	23	-96.401	-96.220	-0.181	0.19%	0.67%
100	24	-97.874	-97.493	-0.380	0.39%	1.41%
100	25	-98.150	-98.849	0.699	-0.71%	2.60%
100	26 U	-97.428	-96.818	-0.609	0.63%	2.26%
100	27 U	-94.932	-94.941	0.009	-0.01%	0.03%
100	28 U	-94.794	-93.757	-1.037	1.09%	3.85%
100	29 U	-96.533	-96.214	-0.320	0.33%	1.19%
100	30 U	-95.564	-94.561	-1.003	1.05%	3.73%
	Max	-94.794	-93.757	1.501	3.49%	12.96%
	Average	-97.042	-96.631	-0.411	0.42%	2.58%
	Min	-99.982	-99.428	-3.487	-1.56%	0.03%
	Std Dev	1.410	1.346	0.921	0.93%	2.69%



VDD=3.5V 1.29G IMD3 dBFs1				
Test Site				
Tester				
Test Number				
Max Limit	-83.17536798		dB	
Min Limit	-110.0870274		dB	
kRad	0	30	50	100
LL	-110.087	-110.087	-110.087	-110.087
Min	-97.966	-99.428	-97.861	-98.849
Average	-97.269	-96.680	-96.728	-96.358
Max	-96.572	-94.531	-95.322	-93.757
UL	-83.175	-83.175	-83.175	-83.175

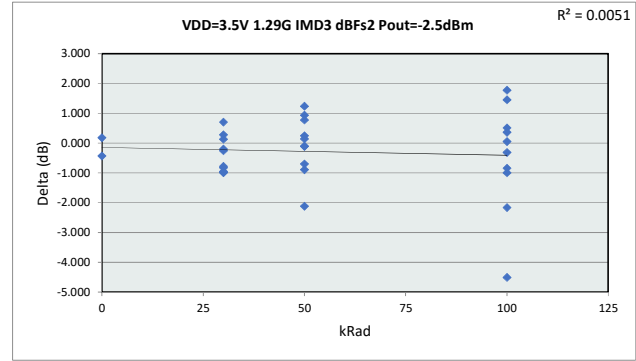


QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G IMD3 dBFs2 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-83.63664664	-83.63664664
Min Limit	-109.5967785	-109.5967785

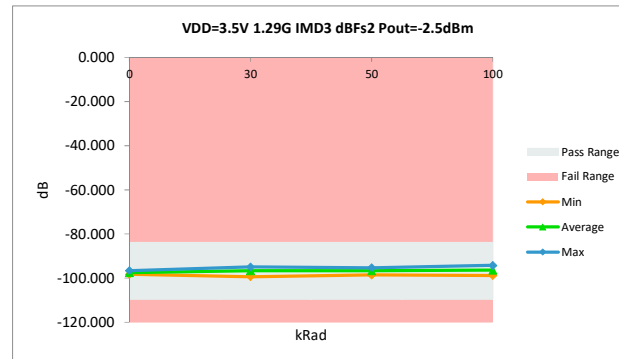
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-98.152	-98.331	0.179	-0.18%	0.69%
0	C2	-97.071	-96.642	-0.429	0.44%	1.65%
30	1	-94.719	-94.997	0.278	-0.29%	1.07%
30	2	-97.496	-96.502	-0.994	1.02%	3.83%
30	3	-96.885	-95.897	-0.988	1.02%	3.80%
30	4	-98.653	-99.353	0.699	-0.71%	2.69%
30	5	-97.424	-97.555	0.131	-0.13%	0.50%
30	6 U	-98.965	-98.142	-0.822	0.83%	3.17%
30	7 U	-96.219	-96.022	-0.198	0.21%	0.76%
30	8 U	-97.052	-96.101	-0.951	0.98%	3.66%
30	9 U	-96.437	-95.657	-0.780	0.81%	3.01%
30	10 U	-96.236	-95.976	-0.261	0.27%	1.00%
50	11	-96.341	-96.237	-0.104	0.11%	0.40%
50	12	-97.961	-98.102	0.142	-0.14%	0.55%
50	13	-96.601	-95.897	-0.703	0.73%	2.71%
50	14	-95.975	-96.220	0.245	-0.26%	0.94%
50	15	-95.132	-95.903	0.771	-0.81%	2.97%
50	16 U	-96.719	-95.826	-0.893	0.92%	3.44%
50	17 U	-98.942	-96.824	-2.118	2.14%	8.16%
50	18 U	-95.403	-95.291	-0.112	0.12%	0.43%
50	19 U	-96.838	-97.773	0.935	-0.97%	3.60%
50	20 U	-97.408	-98.644	1.235	-1.27%	4.76%
100	21	-100.337	-95.829	-4.508	4.49%	17.37%
100	22	-97.318	-98.767	1.449	-1.49%	5.58%
100	23	-95.220	-96.993	1.773	-1.86%	6.83%
100	24	-98.593	-96.432	-2.161	2.19%	8.33%
100	25	-98.877	-98.034	-0.843	0.85%	3.25%
100	26 U	-97.206	-97.566	0.360	-0.37%	1.39%
100	27 U	-94.866	-94.920	0.054	-0.06%	0.21%
100	28 U	-94.672	-94.353	-0.319	0.34%	1.23%
100	29 U	-96.217	-96.726	0.509	-0.53%	1.96%
100	30 U	-95.219	-94.220	-0.999	1.05%	3.85%
	Max	-94.672	-94.220	1.773	4.49%	17.37%
	Average	-96.911	-96.617	-0.294	0.30%	3.24%
	Min	-100.337	-99.353	-4.508	-1.86%	0.21%
	Std Dev	1.411	1.298	1.186	1.20%	3.37%



VDD=3.5V 1.29G IMD3 dBFs2

Test Site		
Tester		
Test Number		
Max Limit	-83.63664664	dB
Min Limit	-109.5967785	dB

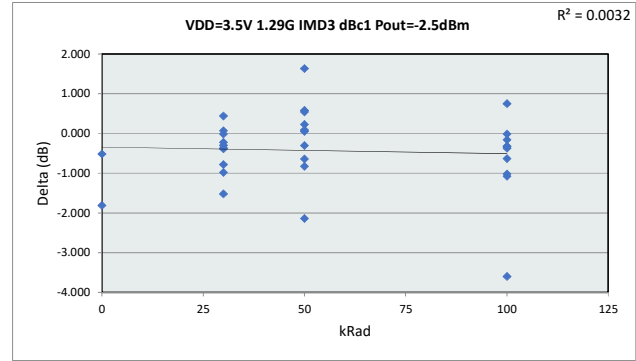
kRad	0	30	50	100
LL	-109.597	-109.597	-109.597	-109.597
Min	-98.331	-99.353	-98.644	-98.767
Average	-97.486	-96.620	-96.672	-96.384
Max	-96.642	-94.997	-95.291	-94.220
UL	-83.637	-83.637	-83.637	-83.637



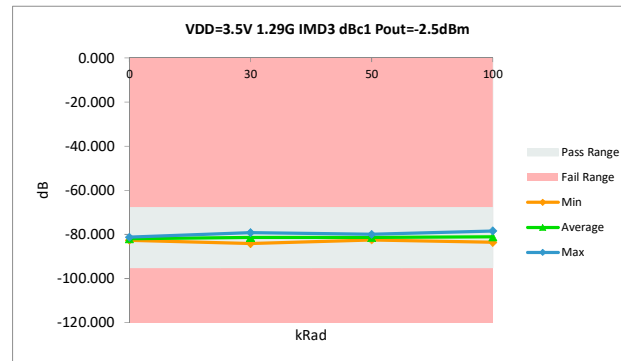
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G IMD3 dBc1 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-67.64496012	-67.64496012
Min Limit	-95.01651125	-95.01651125

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-84.495	-82.682	-1.813	2.15%	6.62%
0	C2	-81.821	-81.305	-0.516	0.63%	1.89%
30	1	-80.133	-79.156	-0.978	1.22%	3.57%
30	2	-80.837	-80.824	-0.013	0.02%	0.05%
30	3	-80.888	-80.500	-0.388	0.48%	1.42%
30	4	-84.076	-84.145	0.069	-0.08%	0.25%
30	5	-83.413	-82.632	-0.781	0.94%	2.85%
30	6 U	-83.223	-83.662	0.439	-0.53%	1.60%
30	7 U	-80.987	-80.686	-0.300	0.37%	1.10%
30	8 U	-81.833	-80.314	-1.519	1.86%	5.55%
30	9 U	-81.137	-80.915	-0.222	0.27%	0.81%
30	10 U	-81.222	-80.854	-0.368	0.45%	1.35%
50	11	-81.120	-81.348	0.228	-0.28%	0.83%
50	12	-84.262	-82.120	-2.142	2.54%	7.82%
50	13	-81.717	-82.261	0.543	-0.66%	1.98%
50	14	-79.968	-80.547	0.579	-0.72%	2.11%
50	15	-80.370	-80.068	-0.302	0.38%	1.10%
50	16 U	-81.598	-80.955	-0.643	0.79%	2.35%
50	17 U	-82.429	-82.519	0.089	-0.11%	0.33%
50	18 U	-80.817	-79.990	-0.827	1.02%	3.02%
50	19 U	-81.875	-81.931	0.056	-0.07%	0.20%
50	20 U	-80.855	-82.490	1.635	-2.02%	5.97%
100	21	-84.723	-81.123	-3.599	4.25%	13.15%
100	22	-83.324	-82.953	-0.370	0.44%	1.35%
100	23	-81.154	-80.997	-0.157	0.19%	0.57%
100	24	-82.603	-82.285	-0.317	0.38%	1.16%
100	25	-82.851	-83.600	0.750	-0.90%	2.74%
100	26 U	-82.155	-81.521	-0.634	0.77%	2.32%
100	27 U	-79.571	-79.556	-0.015	0.02%	0.05%
100	28 U	-79.500	-78.424	-1.075	1.35%	3.93%
100	29 U	-81.288	-80.961	-0.326	0.40%	1.19%
100	30 U	-80.278	-79.260	-1.018	1.27%	3.72%
	Max	-79.500	-78.424	1.635	4.25%	13.15%
	Average	-81.766	-81.331	-0.436	0.53%	2.59%
	Min	-84.723	-84.145	-3.599	-2.02%	0.05%
	Std Dev	1.428	1.369	0.944	1.13%	2.75%



VDD=3.5V 1.29G IMD3 dBc1 Pout				
Test Site				
Tester				
Test Number				
Max Limit	-67.64496012		dB	
Min Limit	-95.01651125		dB	
kRad	0	30	50	100
LL	-95.017	-95.017	-95.017	-95.017
Min	-82.682	-84.145	-82.519	-83.600
Average	-81.994	-81.369	-81.423	-81.068
Max	-81.305	-79.156	-79.990	-78.424
UL	-67.645	-67.645	-67.645	-67.645

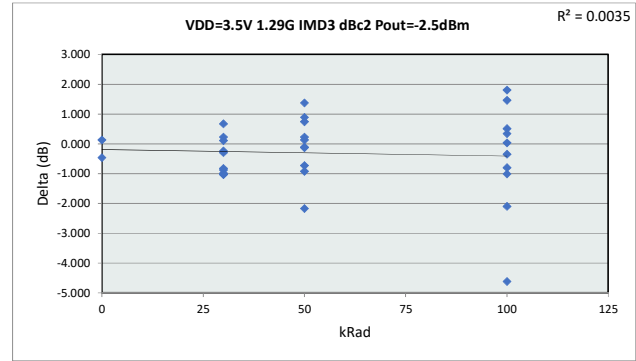


QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G IMD3 dBc2 Pout

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-68.16402515	-68.16402515
Min Limit	-94.56017558	-94.56017558

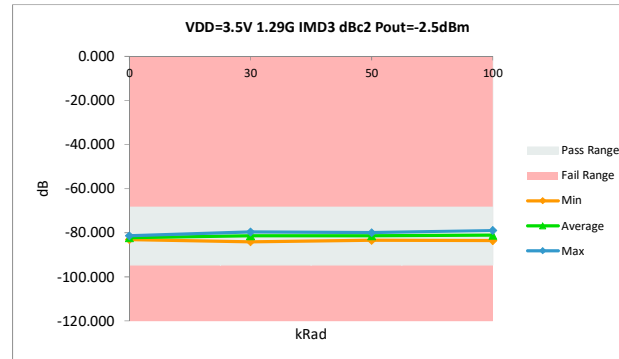
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-82.958	-83.084	0.127	-0.15%	0.48%
0	C2	-81.879	-81.413	-0.466	0.57%	1.77%
30	1	-79.433	-79.660	0.227	-0.29%	0.86%
30	2	-82.279	-81.246	-1.033	1.26%	3.91%
30	3	-81.642	-80.618	-1.024	1.25%	3.88%
30	4	-83.439	-84.111	0.673	-0.81%	2.55%
30	5	-82.187	-82.298	0.111	-0.13%	0.42%
30	6 U	-83.795	-82.919	-0.876	1.05%	3.32%
30	7 U	-80.991	-80.750	-0.241	0.30%	0.91%
30	8 U	-81.828	-80.842	-0.986	1.20%	3.73%
30	9 U	-81.142	-80.320	-0.822	1.01%	3.11%
30	10 U	-81.055	-80.762	-0.293	0.36%	1.11%
50	11	-81.159	-81.050	-0.108	0.13%	0.41%
50	12	-82.726	-82.854	0.128	-0.15%	0.49%
50	13	-81.383	-80.658	-0.725	0.89%	2.75%
50	14	-80.677	-80.905	0.228	-0.28%	0.86%
50	15	-79.841	-80.583	0.742	-0.93%	2.81%
50	16 U	-81.518	-80.597	-0.921	1.13%	3.49%
50	17 U	-83.702	-81.532	-2.171	2.59%	8.22%
50	18 U	-80.138	-80.007	-0.131	0.16%	0.50%
50	19 U	-81.654	-82.544	0.890	-1.09%	3.37%
50	20 U	-82.058	-83.428	1.370	-1.67%	5.19%
100	21	-85.118	-80.499	-4.618	5.43%	17.50%
100	22	-82.064	-83.527	1.463	-1.78%	5.54%
100	23	-80.016	-81.817	1.801	-2.25%	6.82%
100	24	-83.373	-81.272	-2.101	2.52%	7.96%
100	25	-83.625	-82.827	-0.798	0.95%	3.02%
100	26 U	-81.979	-82.318	0.339	-0.41%	1.28%
100	27 U	-79.552	-79.583	0.032	-0.04%	0.12%
100	28 U	-79.418	-79.071	-0.346	0.44%	1.31%
100	29 U	-81.015	-81.522	0.507	-0.63%	1.92%
100	30 U	-79.979	-78.970	-1.009	1.26%	3.82%
	Max	-79.418	-78.970	1.801	5.43%	17.50%
	Average	-81.676	-81.362	-0.314	0.37%	3.23%
	Min	-85.118	-84.111	-4.618	-2.25%	0.12%
	Std Dev	1.426	1.320	1.204	1.44%	3.39%



VDD=3.5V 1.29G IMD3 dBc2 Pout

Test Site		
Tester		
Test Number		
Max Limit	-68.16402515	dB
Min Limit	-94.56017558	dB

kRad	0	30	50	100
LL	-94.560	-94.560	-94.560	-94.560
Min	-83.084	-84.111	-83.428	-83.527
Average	-82.249	-81.353	-81.416	-81.141
Max	-81.413	-79.660	-80.007	-78.970
UL	-68.164	-68.164	-68.164	-68.164

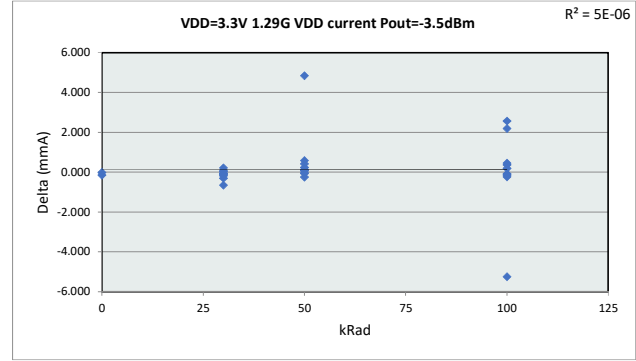


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G VDD current P

Test Site		
Tester		
Test Number		
Unit	mmA	mmA
Max Limit	168.0702094	168.0702094
Min Limit	130.8249866	130.8249866

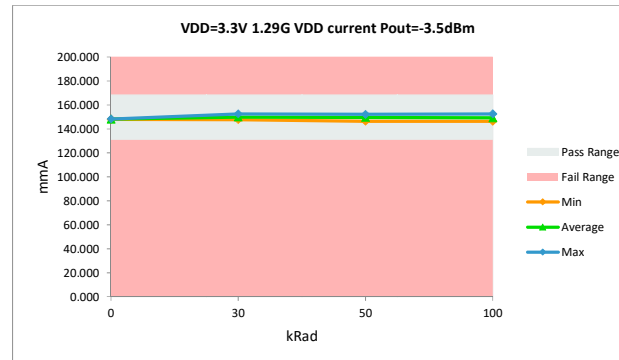
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	148.128	148.275	-0.147	-0.10%	0.40%
0	C2	147.859	147.872	-0.013	-0.01%	0.03%
30	1	149.575	149.648	-0.073	-0.05%	0.20%
30	2	149.400	149.496	-0.095	-0.06%	0.26%
30	3	152.168	152.476	-0.308	-0.20%	0.83%
30	4	147.421	147.601	-0.180	-0.12%	0.48%
30	5	151.840	151.745	0.095	0.06%	0.26%
30	6 U	148.570	148.696	-0.126	-0.09%	0.34%
30	7 U	149.734	149.519	0.214	0.14%	0.58%
30	8 U	148.029	148.682	-0.653	-0.44%	1.75%
30	9 U	151.094	151.151	-0.057	-0.04%	0.15%
30	10 U	149.699	149.669	0.030	0.02%	0.08%
50	11	148.828	148.251	0.577	0.39%	1.55%
50	12	152.161	151.743	0.418	0.27%	1.12%
50	13	148.642	148.547	0.095	0.06%	0.26%
50	14	150.089	149.962	0.127	0.08%	0.34%
50	15	152.152	152.058	0.094	0.06%	0.25%
50	16 U	146.031	146.275	-0.244	-0.17%	0.66%
50	17 U	150.024	150.092	-0.068	-0.05%	0.18%
50	18 U	151.372	151.137	0.235	0.16%	0.63%
50	19 U	149.585	149.585	0.000	0.00%	0.00%
50	20 U	152.418	147.579	4.839	3.18%	12.99%
100	21	147.009	152.262	-5.252	-3.57%	14.10%
100	22	148.211	147.842	0.369	0.25%	0.99%
100	23	148.543	148.083	0.460	0.31%	1.24%
100	24	148.921	146.356	2.565	1.72%	6.89%
100	25	150.090	147.900	2.189	1.46%	5.88%
100	26 U	146.782	146.866	-0.084	-0.06%	0.22%
100	27 U	152.510	152.328	0.182	0.12%	0.49%
100	28 U	152.156	152.398	-0.242	-0.16%	0.65%
100	29 U	147.994	148.113	-0.119	-0.08%	0.32%
100	30 U	149.944	150.117	-0.172	-0.12%	0.46%
	Max	152.510	152.476	4.839	3.18%	14.10%
	Average	149.593	149.448	0.145	0.09%	1.71%
	Min	146.031	146.275	-5.252	-3.57%	0.00%
	Std Dev	1.817	1.862	1.431	0.96%	3.45%



VDD=3.3V 1.29G VDD current

Test Site		
Tester		
Test Number		
Max Limit	168.0702094	mmA
Min Limit	130.8249866	mmA

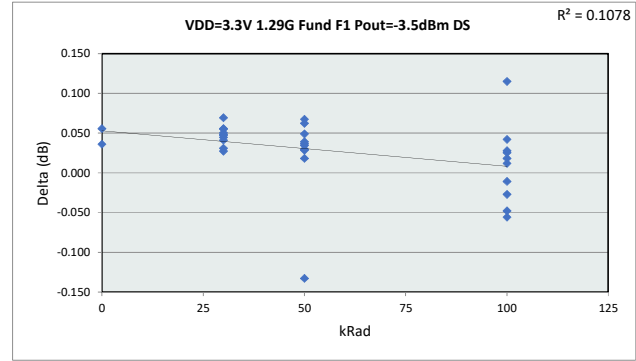
kRad	0	30	50	100
LL	130.825	130.825	130.825	130.825
Min	147.872	147.601	146.275	146.356
Average	148.073	149.868	149.523	149.226
Max	148.275	152.476	152.058	152.398
UL	168.070	168.070	168.070	168.070



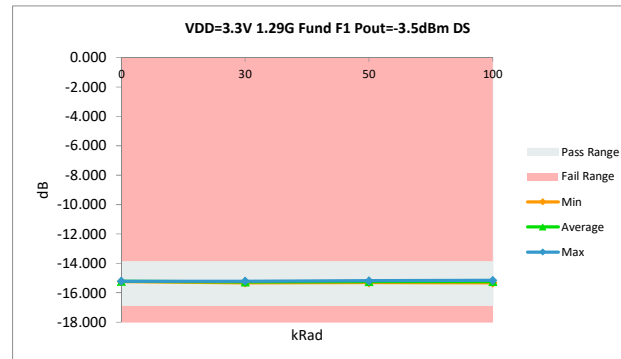
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G Fund F1 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-13.85000038	-13.85000038
Min Limit	-16.85000038	-16.85000038

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.180	-15.235	0.056	-0.37%	1.85%
0	C2	-15.177	-15.213	0.036	-0.24%	1.20%
30	1	-15.271	-15.326	0.055	-0.36%	1.84%
30	2	-15.201	-15.248	0.047	-0.31%	1.58%
30	3	-15.231	-15.272	0.041	-0.27%	1.37%
30	4	-15.200	-15.230	0.031	-0.20%	1.03%
30	5	-15.224	-15.251	0.027	-0.18%	0.91%
30	6 U	-15.150	-15.220	0.069	-0.46%	2.31%
30	7 U	-15.214	-15.269	0.056	-0.37%	1.85%
30	8 U	-15.211	-15.256	0.045	-0.29%	1.50%
30	9 U	-15.280	-15.331	0.050	-0.33%	1.68%
30	10 U	-15.165	-15.213	0.048	-0.32%	1.60%
50	11	-15.169	-15.187	0.018	-0.12%	0.60%
50	12	-15.215	-15.244	0.030	-0.20%	0.99%
50	13	-15.203	-15.240	0.036	-0.24%	1.22%
50	14	-15.284	-15.313	0.029	-0.19%	0.96%
50	15	-15.277	-15.316	0.039	-0.26%	1.30%
50	16 U	-15.181	-15.230	0.049	-0.32%	1.63%
50	17 U	-15.224	-15.292	0.068	-0.44%	2.25%
50	18 U	-15.248	-15.283	0.035	-0.23%	1.15%
50	19 U	-15.169	-15.231	0.062	-0.41%	2.08%
50	20 U	-15.341	-15.208	-0.133	0.87%	4.42%
100	21	-15.207	-15.322	0.115	-0.76%	3.83%
100	22	-15.242	-15.231	-0.011	0.07%	0.36%
100	23	-15.198	-15.171	-0.027	0.18%	0.90%
100	24	-15.215	-15.159	-0.056	0.37%	1.86%
100	25	-15.245	-15.197	-0.048	0.31%	1.59%
100	26 U	-15.217	-15.244	0.028	-0.18%	0.93%
100	27 U	-15.308	-15.333	0.026	-0.17%	0.85%
100	28 U	-15.239	-15.281	0.042	-0.28%	1.40%
100	29 U	-15.191	-15.203	0.012	-0.08%	0.40%
100	30 U	-15.233	-15.251	0.018	-0.12%	0.61%
	Max	-15.150	-15.159	0.115	0.87%	4.42%
	Average	-15.222	-15.250	0.028	-0.18%	1.50%
	Min	-15.341	-15.333	-0.133	-0.76%	0.36%
	Std Dev	0.044	0.047	0.044	0.29%	0.86%



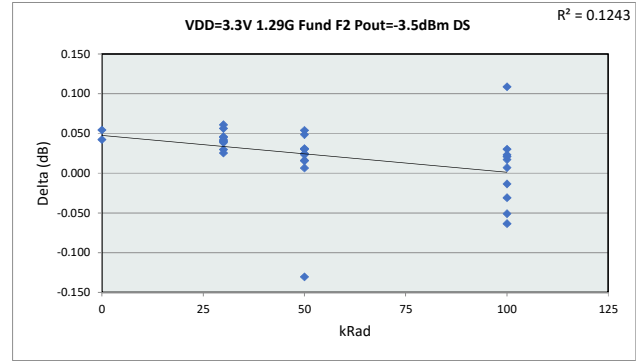
VDD=3.3V 1.29G Fund F1 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-13.85000038		dB	
Min Limit	-16.85000038		dB	
kRad	0	30	50	100
LL	-16.850	-16.850	-16.850	-16.850
Min	-15.235	-15.331	-15.316	-15.333
Average	-15.224	-15.262	-15.254	-15.239
Max	-15.213	-15.213	-15.187	-15.159
UL	-13.850	-13.850	-13.850	-13.850



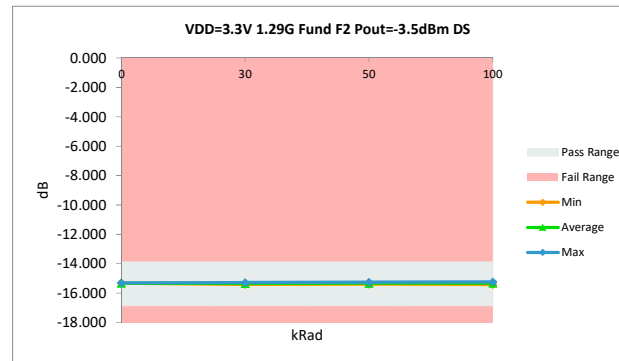
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G Fund F2 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-13.85000038	-13.85000038
Min Limit	-16.85000038	-16.85000038

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.265	-15.319	0.054	-0.36%	1.81%
0	C2	-15.260	-15.303	0.042	-0.28%	1.41%
30	1	-15.354	-15.410	0.056	-0.37%	1.87%
30	2	-15.288	-15.329	0.041	-0.27%	1.36%
30	3	-15.311	-15.353	0.042	-0.28%	1.40%
30	4	-15.283	-15.313	0.030	-0.19%	0.99%
30	5	-15.306	-15.331	0.026	-0.17%	0.85%
30	6 U	-15.235	-15.296	0.061	-0.40%	2.03%
30	7 U	-15.297	-15.343	0.046	-0.30%	1.53%
30	8 U	-15.295	-15.334	0.038	-0.25%	1.28%
30	9 U	-15.364	-15.409	0.045	-0.29%	1.50%
30	10 U	-15.249	-15.289	0.040	-0.26%	1.33%
50	11	-15.251	-15.258	0.007	-0.04%	0.22%
50	12	-15.303	-15.318	0.015	-0.10%	0.52%
50	13	-15.289	-15.314	0.025	-0.16%	0.82%
50	14	-15.369	-15.385	0.016	-0.11%	0.54%
50	15	-15.361	-15.392	0.030	-0.20%	1.01%
50	16 U	-15.270	-15.301	0.031	-0.20%	1.03%
50	17 U	-15.310	-15.364	0.054	-0.35%	1.80%
50	18 U	-15.333	-15.356	0.023	-0.15%	0.78%
50	19 U	-15.252	-15.301	0.049	-0.32%	1.62%
50	20 U	-15.421	-15.291	-0.130	0.85%	4.35%
100	21	-15.291	-15.400	0.109	-0.71%	3.63%
100	22	-15.321	-15.307	-0.013	0.09%	0.45%
100	23	-15.277	-15.246	-0.031	0.20%	1.03%
100	24	-15.293	-15.230	-0.063	0.42%	2.12%
100	25	-15.325	-15.274	-0.051	0.33%	1.69%
100	26 U	-15.298	-15.322	0.023	-0.15%	0.77%
100	27 U	-15.386	-15.407	0.021	-0.14%	0.70%
100	28 U	-15.326	-15.356	0.030	-0.20%	1.01%
100	29 U	-15.271	-15.279	0.007	-0.05%	0.24%
100	30 U	-15.308	-15.325	0.017	-0.11%	0.57%
Max		-15.235	-15.230	0.109	0.85%	4.35%
Average		-15.305	-15.327	0.022	-0.14%	1.32%
Min		-15.421	-15.410	-0.130	-0.71%	0.22%
Std Dev		0.043	0.047	0.043	0.28%	0.87%



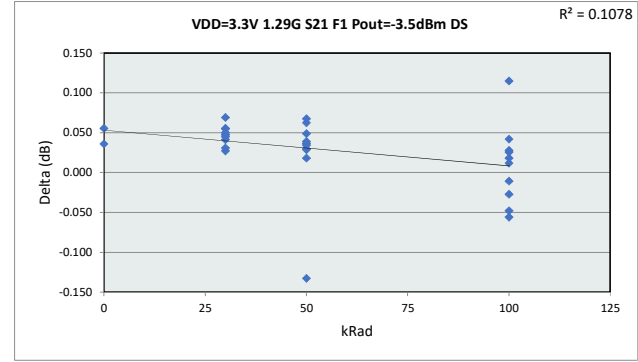
VDD=3.3V 1.29G Fund F2 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-13.85000038		dB	
Min Limit	-16.85000038		dB	
kRad	0	30	50	100
LL	-16.850	-16.850	-16.850	-16.850
Min	-15.319	-15.410	-15.392	-15.407
Average	-15.311	-15.341	-15.328	-15.315
Max	-15.303	-15.289	-15.258	-15.230
UL	-13.850	-13.850	-13.850	-13.850



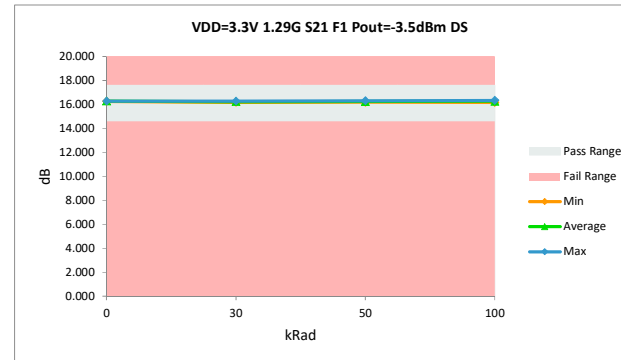
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G S21 F1 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	17.60000038	17.60000038
Min Limit	14.60000038	14.60000038

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	16.320	16.265	0.056	0.34%	1.85%
0	C2	16.323	16.287	0.036	0.22%	1.20%
30	1	16.229	16.174	0.055	0.34%	1.84%
30	2	16.299	16.252	0.047	0.29%	1.58%
30	3	16.269	16.228	0.041	0.25%	1.37%
30	4	16.300	16.270	0.031	0.19%	1.03%
30	5	16.276	16.249	0.027	0.17%	0.91%
30	6 U	16.350	16.280	0.069	0.42%	2.31%
30	7 U	16.286	16.231	0.056	0.34%	1.85%
30	8 U	16.289	16.244	0.045	0.28%	1.50%
30	9 U	16.220	16.169	0.050	0.31%	1.68%
30	10 U	16.335	16.287	0.048	0.29%	1.60%
50	11	16.331	16.313	0.018	0.11%	0.60%
50	12	16.285	16.256	0.030	0.18%	0.99%
50	13	16.297	16.260	0.036	0.22%	1.22%
50	14	16.216	16.187	0.029	0.18%	0.96%
50	15	16.223	16.184	0.039	0.24%	1.30%
50	16 U	16.319	16.270	0.049	0.30%	1.63%
50	17 U	16.276	16.208	0.068	0.41%	2.25%
50	18 U	16.252	16.217	0.035	0.21%	1.15%
50	19 U	16.331	16.269	0.062	0.38%	2.08%
50	20 U	16.159	16.292	-0.133	-0.82%	4.42%
100	21	16.293	16.178	0.115	0.71%	3.83%
100	22	16.258	16.269	-0.011	-0.07%	0.36%
100	23	16.302	16.329	-0.027	-0.17%	0.90%
100	24	16.285	16.341	-0.056	-0.34%	1.86%
100	25	16.255	16.303	-0.048	-0.29%	1.59%
100	26 U	16.283	16.256	0.028	0.17%	0.93%
100	27 U	16.192	16.167	0.026	0.16%	0.85%
100	28 U	16.261	16.219	0.042	0.26%	1.40%
100	29 U	16.309	16.297	0.012	0.07%	0.40%
100	30 U	16.267	16.249	0.018	0.11%	0.61%
	Max	16.350	16.341	0.115	0.71%	4.42%
	Average	16.278	16.250	0.028	0.17%	1.50%
	Min	16.159	16.167	-0.133	-0.82%	0.36%
	Std Dev	0.044	0.047	0.044	0.27%	0.86%



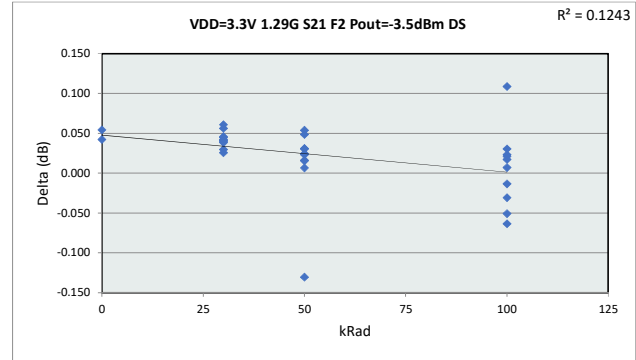
VDD=3.3V 1.29G S21 F1 Pout=-				
Test Site				
Tester				
Test Number				
Max Limit	17.60000038		dB	
Min Limit	14.60000038		dB	
kRad	0	30	50	100
LL	14.600	14.600	14.600	14.600
Min	16.265	16.169	16.184	16.167
Average	16.276	16.238	16.246	16.261
Max	16.287	16.287	16.313	16.341
UL	17.600	17.600	17.600	17.600



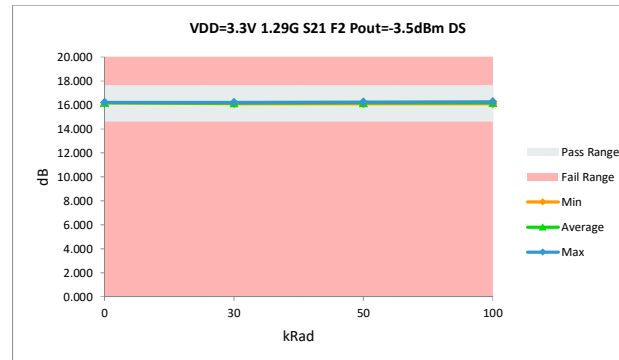
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G S21 F2 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	17.60000038	17.60000038
Min Limit	14.60000038	14.60000038

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	16.235	16.181	0.054	0.33%	1.81%
0	C2	16.240	16.197	0.042	0.26%	1.41%
30	1	16.146	16.090	0.056	0.35%	1.87%
30	2	16.212	16.171	0.041	0.25%	1.36%
30	3	16.189	16.147	0.042	0.26%	1.40%
30	4	16.217	16.187	0.030	0.18%	0.99%
30	5	16.194	16.169	0.026	0.16%	0.85%
30	6 U	16.265	16.204	0.061	0.37%	2.03%
30	7 U	16.203	16.157	0.046	0.28%	1.53%
30	8 U	16.205	16.166	0.038	0.24%	1.28%
30	9 U	16.136	16.091	0.045	0.28%	1.50%
30	10 U	16.251	16.211	0.040	0.25%	1.33%
50	11	16.249	16.242	0.007	0.04%	0.22%
50	12	16.197	16.182	0.015	0.10%	0.52%
50	13	16.211	16.186	0.025	0.15%	0.82%
50	14	16.131	16.115	0.016	0.10%	0.54%
50	15	16.139	16.108	0.030	0.19%	1.01%
50	16 U	16.230	16.199	0.031	0.19%	1.03%
50	17 U	16.190	16.136	0.054	0.33%	1.80%
50	18 U	16.167	16.144	0.023	0.14%	0.78%
50	19 U	16.248	16.199	0.049	0.30%	1.62%
50	20 U	16.079	16.209	-0.130	-0.81%	4.35%
100	21	16.209	16.100	0.109	0.67%	3.63%
100	22	16.179	16.193	-0.013	-0.08%	0.45%
100	23	16.223	16.254	-0.031	-0.19%	1.03%
100	24	16.207	16.270	-0.063	-0.39%	2.12%
100	25	16.175	16.226	-0.051	-0.31%	1.69%
100	26 U	16.202	16.178	0.023	0.14%	0.77%
100	27 U	16.114	16.093	0.021	0.13%	0.70%
100	28 U	16.174	16.144	0.030	0.19%	1.01%
100	29 U	16.229	16.221	0.007	0.04%	0.24%
100	30 U	16.192	16.175	0.017	0.11%	0.57%
	Max	16.265	16.270	0.109	0.67%	4.35%
	Average	16.195	16.173	0.022	0.13%	1.32%
	Min	16.079	16.090	-0.130	-0.81%	0.22%
	Std Dev	0.043	0.047	0.043	0.26%	0.87%



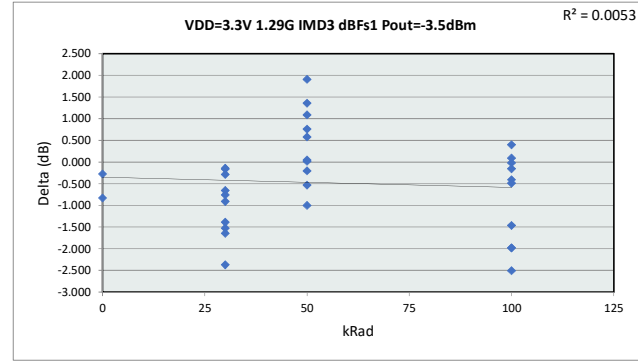
VDD=3.3V 1.29G S21 F2 Pout=-				
Test Site				
Tester				
Test Number				
Max Limit	17.60000038		dB	
Min Limit	14.60000038		dB	
kRad	0	30	50	100
LL	14.600	14.600	14.600	14.600
Min	16.181	16.090	16.108	16.093
Average	16.189	16.159	16.172	16.185
Max	16.197	16.211	16.242	16.270
UL	17.600	17.600	17.600	17.600



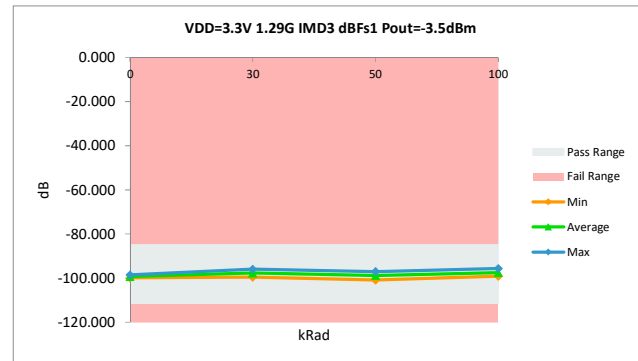
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G IMD3 dBFs1 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-84.70718625	-84.70718625
Min Limit	-111.4728217	-111.4728217

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-100.223	-99.945	-0.278	0.28%	1.04%
0	C2	-99.362	-98.534	-0.828	0.83%	3.09%
30	1	-97.612	-95.966	-1.646	1.69%	6.15%
30	2	-96.975	-96.833	-0.142	0.15%	0.53%
30	3	-97.527	-96.870	-0.657	0.67%	2.46%
30	4	-99.847	-99.561	-0.285	0.29%	1.07%
30	5	-99.919	-99.009	-0.910	0.91%	3.40%
30	6 U	-101.023	-98.652	-2.371	2.35%	8.86%
30	7 U	-97.763	-97.006	-0.757	0.77%	2.83%
30	8 U	-99.147	-97.757	-1.389	1.40%	5.19%
30	9 U	-98.048	-97.886	-0.162	0.17%	0.61%
30	10 U	-98.150	-96.627	-1.523	1.55%	5.69%
50	11	-97.436	-98.015	0.579	-0.59%	2.16%
50	12	-99.499	-100.855	1.357	-1.36%	5.07%
50	13	-99.434	-98.432	-1.002	1.01%	3.74%
50	14	-97.326	-98.413	1.087	-1.12%	4.06%
50	15	-96.993	-97.010	0.017	-0.02%	0.06%
50	16 U	-98.406	-99.165	0.759	-0.77%	2.84%
50	17 U	-100.979	-100.447	-0.532	0.53%	1.99%
50	18 U	-97.452	-97.247	-0.205	0.21%	0.77%
50	19 U	-99.553	-99.602	0.049	-0.05%	0.18%
50	20 U	-98.107	-100.016	1.910	-1.95%	7.14%
100	21	-100.227	-98.245	-1.982	1.98%	7.40%
100	22	-99.564	-99.155	-0.409	0.41%	1.53%
100	23	-97.259	-96.771	-0.488	0.50%	1.82%
100	24	-100.071	-97.565	-2.506	2.50%	9.36%
100	25	-98.653	-98.499	-0.155	0.16%	0.58%
100	26 U	-98.530	-98.623	0.094	-0.10%	0.35%
100	27 U	-96.556	-96.537	-0.019	0.02%	0.07%
100	28 U	-96.028	-96.428	0.400	-0.42%	1.49%
100	29 U	-99.025	-97.562	-1.463	1.48%	5.47%
100	30 U	-97.624	-95.646	-1.979	2.03%	7.39%
	Max	-96.028	-95.646	1.910	2.50%	9.36%
	Average	-98.572	-98.090	-0.482	0.48%	3.26%
	Min	-101.023	-100.855	-2.506	-1.95%	0.06%
	Std Dev	1.312	1.338	1.042	1.05%	2.74%



VDD=3.3V 1.29G IMD3 dBFs1				
Test Site				
Tester				
Test Number				
Max Limit	-84.70718625		dB	
Min Limit	-111.4728217		dB	
kRad	0	30	50	100
LL	-111.473	-111.473	-111.473	-111.473
Min	-99.945	-99.561	-100.855	-99.155
Average	-99.240	-97.617	-98.920	-97.503
Max	-98.534	-95.966	-97.010	-95.646
UL	-84.707	-84.707	-84.707	-84.707

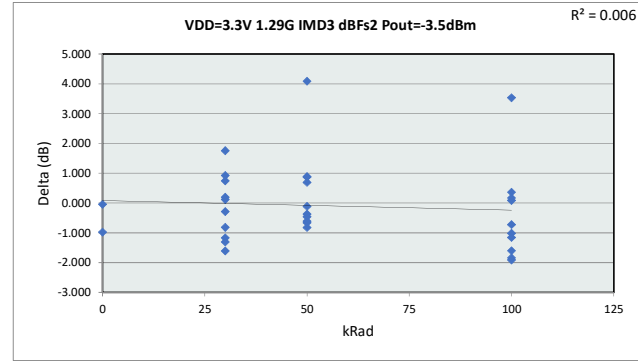


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G IMD3 dBFs2 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-81.06229795	-81.06229795
Min Limit	-115.9585875	-115.9585875

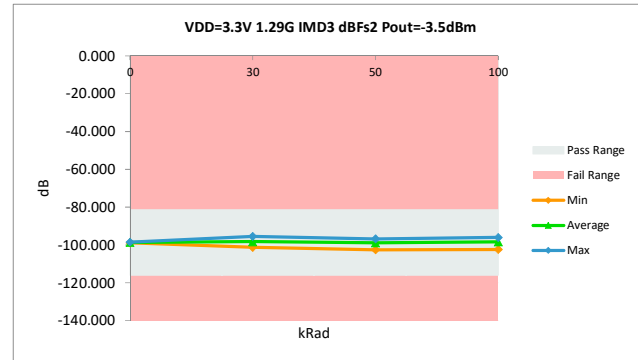
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-98.909	-98.866	-0.043	0.04%	0.12%
0	C2	-99.423	-98.445	-0.978	0.98%	2.80%
30	1	-96.699	-95.396	-1.303	1.35%	3.73%
30	2	-97.973	-97.684	-0.289	0.30%	0.83%
30	3	-97.700	-96.095	-1.606	1.64%	4.60%
30	4	-100.016	-100.134	0.118	-0.12%	0.34%
30	5	-100.304	-99.489	-0.815	0.81%	2.34%
30	6 U	-99.460	-101.212	1.752	-1.76%	5.02%
30	7 U	-98.178	-98.376	0.198	-0.20%	0.57%
30	8 U	-97.996	-96.825	-1.172	1.20%	3.36%
30	9 U	-97.651	-98.394	0.743	-0.76%	2.13%
30	10 U	-98.000	-98.926	0.926	-0.95%	2.65%
50	11	-98.131	-97.759	-0.371	0.38%	1.06%
50	12	-100.420	-100.305	-0.114	0.11%	0.33%
50	13	-98.209	-98.902	0.693	-0.71%	1.99%
50	14	-96.742	-97.624	0.882	-0.91%	2.53%
50	15	-97.556	-96.737	-0.820	0.84%	2.35%
50	16 U	-99.192	-98.531	-0.661	0.67%	1.90%
50	17 U	-99.542	-99.081	-0.461	0.46%	1.32%
50	18 U	-97.523	-96.911	-0.612	0.63%	1.75%
50	19 U	-99.470	-100.343	0.874	-0.88%	2.50%
50	20 U	-98.498	-102.585	4.086	-4.15%	11.71%
100	21	-101.141	-99.303	-1.838	1.82%	5.27%
100	22	-100.049	-99.322	-0.727	0.73%	2.08%
100	23	-96.800	-96.967	0.167	-0.17%	0.48%
100	24	-99.188	-99.273	0.085	-0.09%	0.24%
100	25	-98.776	-102.306	3.531	-3.57%	10.12%
100	26 U	-100.500	-99.345	-1.156	1.15%	3.31%
100	27 U	-98.157	-96.553	-1.604	1.63%	4.60%
100	28 U	-97.016	-96.003	-1.013	1.04%	2.90%
100	29 U	-99.969	-98.055	-1.914	1.91%	5.48%
100	30 U	-96.222	-96.588	0.366	-0.38%	1.05%
	Max	-96.222	-95.396	4.086	1.91%	11.71%
	Average	-98.607	-98.510	-0.096	0.10%	2.86%
	Min	-101.141	-102.585	-1.914	-4.15%	0.12%
	Std Dev	1.276	1.745	1.360	1.38%	2.61%



VDD=3.3V 1.29G IMD3 dBFs2

Test Site		
Tester		
Test Number		
Max Limit	-81.06229795	dB
Min Limit	-115.9585875	dB

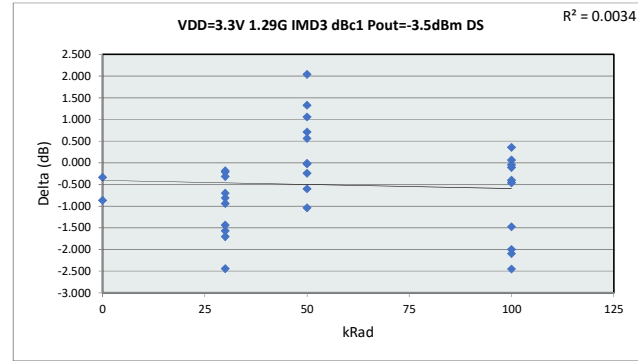
kRad	0	30	50	100
LL	-115.959	-115.959	-115.959	-115.959
Min	-98.866	-101.212	-102.585	-102.306
Average	-98.656	-98.253	-98.878	-98.372
Max	-98.445	-95.396	-96.737	-96.003
UL	-81.062	-81.062	-81.062	-81.062



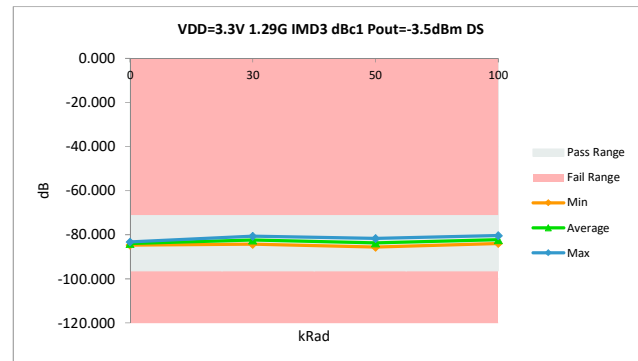
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G IMD3 dBc1 Pout	
Test Site	
Tester	
Test Number	
Unit	dB
Max Limit	-71
Min Limit	-96.33273466

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-85.043	-84.710	-0.333	0.39%	1.32%
0	C2	-84.186	-83.321	-0.864	1.03%	3.41%
30	1	-82.341	-80.640	-1.701	2.07%	6.71%
30	2	-81.774	-81.585	-0.189	0.23%	0.75%
30	3	-82.296	-81.598	-0.699	0.85%	2.76%
30	4	-84.647	-84.331	-0.316	0.37%	1.25%
30	5	-84.696	-83.758	-0.938	1.11%	3.70%
30	6 U	-85.873	-83.432	-2.440	2.84%	9.63%
30	7 U	-82.549	-81.737	-0.812	0.98%	3.21%
30	8 U	-83.936	-82.502	-1.434	1.71%	5.66%
30	9 U	-82.768	-82.556	-0.212	0.26%	0.84%
30	10 U	-82.985	-81.414	-1.571	1.89%	6.20%
50	11	-82.268	-82.828	0.561	-0.68%	2.21%
50	12	-84.284	-85.611	1.327	-1.57%	5.24%
50	13	-84.231	-83.193	-1.038	1.23%	4.10%
50	14	-82.041	-83.100	1.059	-1.29%	4.18%
50	15	-81.716	-81.694	-0.022	0.03%	0.09%
50	16 U	-83.225	-83.935	0.710	-0.85%	2.80%
50	17 U	-85.754	-85.155	-0.599	0.70%	2.37%
50	18 U	-82.204	-81.964	-0.240	0.29%	0.95%
50	19 U	-84.384	-84.371	-0.013	0.02%	0.05%
50	20 U	-82.766	-84.808	2.043	-2.47%	8.06%
100	21	-85.020	-82.923	-2.097	2.47%	8.28%
100	22	-84.322	-83.924	-0.398	0.47%	1.57%
100	23	-82.062	-81.600	-0.461	0.56%	1.82%
100	24	-84.857	-82.406	-2.450	2.89%	9.67%
100	25	-83.408	-83.302	-0.107	0.13%	0.42%
100	26 U	-83.313	-83.379	0.066	-0.08%	0.26%
100	27 U	-81.248	-81.204	-0.044	0.05%	0.18%
100	28 U	-80.789	-81.147	0.358	-0.44%	1.41%
100	29 U	-83.834	-82.359	-1.475	1.76%	5.82%
100	30 U	-82.392	-80.395	-1.997	2.42%	7.88%
	Max	-80.789	-80.395	2.043	2.89%	9.67%
	Average	-83.350	-82.840	-0.510	0.60%	3.52%
	Min	-85.873	-85.611	-2.450	-2.47%	0.05%
	Std Dev	1.332	1.349	1.056	1.26%	2.95%



VDD=3.3V 1.29G IMD3 dBc1 Pout=-3.5dBm DS				
Test Site				
Tester				
Test Number				
Max Limit	-71	dB		
Min Limit	-96.33273466	dB		
kRad	0	30	50	100
LL	-96.333	-96.333	-96.333	-96.333
Min	-84.710	-84.331	-85.611	-83.924
Average	-84.016	-82.355	-83.666	-82.264
Max	-83.321	-80.640	-81.694	-80.395
UL	-71.000	-71.000	-71.000	-71.000

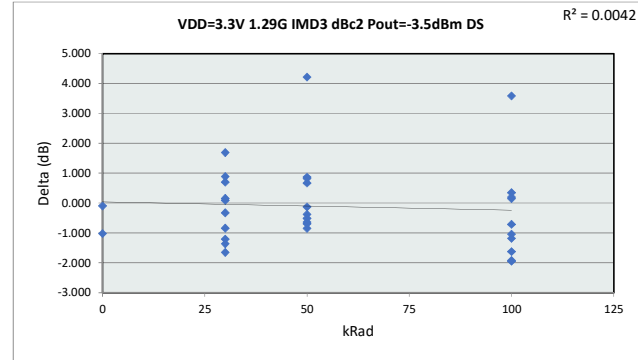


QMLP TID Report

TRF0208 QMLP

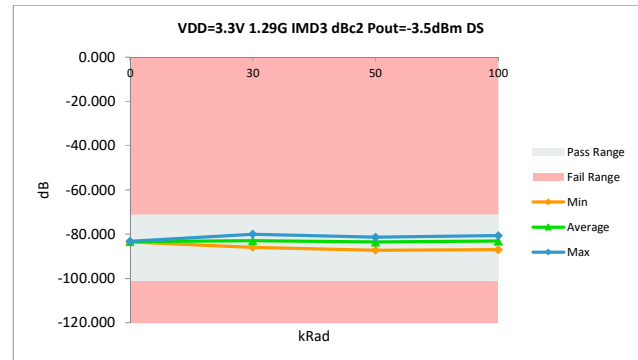
VDD=3.3V 1.29G IMD3 dBc2 Pout	
Test Site	
Tester	
Test Number	
Unit	
Max Limit	-71
Min Limit	-100.8483125

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-83.645	-83.547	-0.098	0.12%	0.33%
0	C2	-84.163	-83.142	-1.020	1.21%	3.42%
30	1	-81.345	-79.986	-1.359	1.67%	4.55%
30	2	-82.684	-82.354	-0.330	0.40%	1.11%
30	3	-82.389	-80.741	-1.648	2.00%	5.52%
30	4	-84.733	-84.822	0.089	-0.10%	0.30%
30	5	-84.998	-84.158	-0.841	0.99%	2.82%
30	6 U	-84.225	-85.916	1.691	-2.01%	5.67%
30	7 U	-82.880	-83.032	0.152	-0.18%	0.51%
30	8 U	-82.701	-81.491	-1.210	1.46%	4.05%
30	9 U	-82.286	-82.985	0.698	-0.85%	2.34%
30	10 U	-82.751	-83.637	0.886	-1.07%	2.97%
50	11	-82.880	-82.501	-0.378	0.46%	1.27%
50	12	-85.117	-84.987	-0.130	0.15%	0.44%
50	13	-82.919	-83.588	0.668	-0.81%	2.24%
50	14	-81.373	-82.239	0.866	-1.06%	2.90%
50	15	-82.195	-81.345	-0.850	1.03%	2.85%
50	16 U	-83.922	-83.229	-0.692	0.83%	2.32%
50	17 U	-84.232	-83.717	-0.515	0.61%	1.73%
50	18 U	-82.189	-81.554	-0.635	0.77%	2.13%
50	19 U	-84.217	-85.042	0.825	-0.98%	2.76%
50	20 U	-83.077	-87.294	4.217	-5.08%	14.13%
100	21	-85.850	-83.903	-1.947	2.27%	6.52%
100	22	-84.728	-84.015	-0.713	0.84%	2.39%
100	23	-81.523	-81.721	0.198	-0.24%	0.66%
100	24	-83.895	-84.043	0.148	-0.18%	0.50%
100	25	-83.451	-87.032	3.582	-4.29%	12.00%
100	26 U	-85.202	-84.023	-1.179	1.38%	3.95%
100	27 U	-82.770	-81.146	-1.625	1.96%	5.44%
100	28 U	-81.691	-80.647	-1.043	1.28%	3.49%
100	29 U	-84.697	-82.776	-1.921	2.27%	6.44%
100	30 U	-80.914	-81.263	0.349	-0.43%	1.17%
	Max	-80.914	-79.986	4.217	2.27%	14.13%
	Average	-83.301	-83.184	-0.118	0.14%	3.40%
	Min	-85.850	-87.294	-1.947	-5.08%	0.30%
	Std Dev	1.291	1.766	1.384	1.66%	3.12%



VDD=3.3V 1.29G IMD3 dBc2 Pout=-3.5dBm DS	
Test Site	
Tester	
Test Number	
Max Limit	-71
Min Limit	-100.8483125

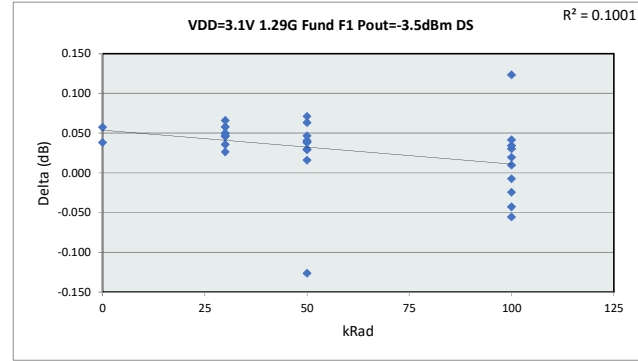
kRad	0	30	50	100
LL	-100.848	-100.848	-100.848	-100.848
Min	-83.547	-85.916	-87.294	-87.032
Average	-83.345	-82.912	-83.550	-83.057
Max	-83.142	-79.986	-81.345	-80.647
UL	-71.000	-71.000	-71.000	-71.000



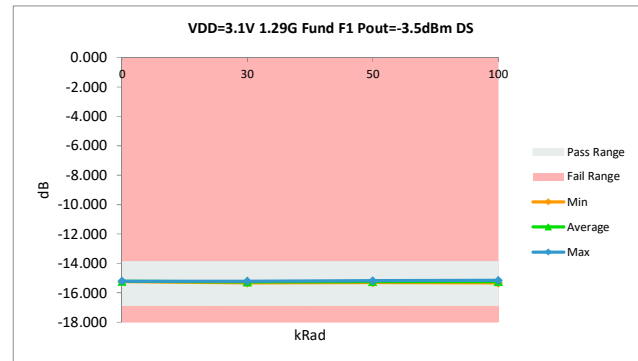
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G Fund F1 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-13.85000038	-13.85000038
Min Limit	-16.85000038	-16.85000038

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.174	-15.231	0.058	-0.38%	1.92%
0	C2	-15.177	-15.216	0.038	-0.25%	1.28%
30	1	-15.271	-15.329	0.058	-0.38%	1.93%
30	2	-15.201	-15.247	0.046	-0.30%	1.52%
30	3	-15.228	-15.275	0.047	-0.31%	1.56%
30	4	-15.199	-15.234	0.036	-0.24%	1.19%
30	5	-15.221	-15.247	0.026	-0.17%	0.88%
30	6 U	-15.150	-15.216	0.066	-0.44%	2.20%
30	7 U	-15.212	-15.270	0.058	-0.38%	1.93%
30	8 U	-15.213	-15.259	0.046	-0.30%	1.55%
30	9 U	-15.281	-15.331	0.050	-0.33%	1.66%
30	10 U	-15.164	-15.213	0.050	-0.33%	1.66%
50	11	-15.168	-15.184	0.016	-0.11%	0.53%
50	12	-15.215	-15.244	0.029	-0.19%	0.97%
50	13	-15.203	-15.241	0.038	-0.25%	1.28%
50	14	-15.282	-15.312	0.030	-0.19%	0.99%
50	15	-15.278	-15.319	0.041	-0.27%	1.35%
50	16 U	-15.182	-15.229	0.047	-0.31%	1.55%
50	17 U	-15.223	-15.294	0.071	-0.47%	2.37%
50	18 U	-15.247	-15.286	0.039	-0.26%	1.31%
50	19 U	-15.167	-15.231	0.063	-0.42%	2.11%
50	20 U	-15.336	-15.209	-0.126	0.82%	4.21%
100	21	-15.202	-15.325	0.123	-0.81%	4.11%
100	22	-15.241	-15.233	-0.008	0.05%	0.25%
100	23	-15.196	-15.171	-0.024	0.16%	0.81%
100	24	-15.214	-15.158	-0.055	0.36%	1.85%
100	25	-15.242	-15.200	-0.043	0.28%	1.43%
100	26 U	-15.211	-15.245	0.034	-0.23%	1.14%
100	27 U	-15.306	-15.336	0.030	-0.20%	1.01%
100	28 U	-15.240	-15.281	0.042	-0.27%	1.38%
100	29 U	-15.194	-15.203	0.010	-0.06%	0.33%
100	30 U	-15.235	-15.254	0.020	-0.13%	0.66%
	Max	-15.150	-15.158	0.123	0.82%	4.21%
	Average	-15.221	-15.251	0.030	-0.20%	1.53%
	Min	-15.336	-15.336	-0.126	-0.81%	0.25%
	Std Dev	0.043	0.048	0.044	0.29%	0.86%



VDD=3.1V 1.29G Fund F1 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-13.85000038		dB	
Min Limit	-16.85000038		dB	
kRad	0	30	50	100
LL	-16.850	-16.850	-16.850	-16.850
Min	-15.231	-15.331	-15.319	-15.336
Average	-15.224	-15.262	-15.255	-15.241
Max	-15.216	-15.213	-15.184	-15.158
UL	-13.850	-13.850	-13.850	-13.850

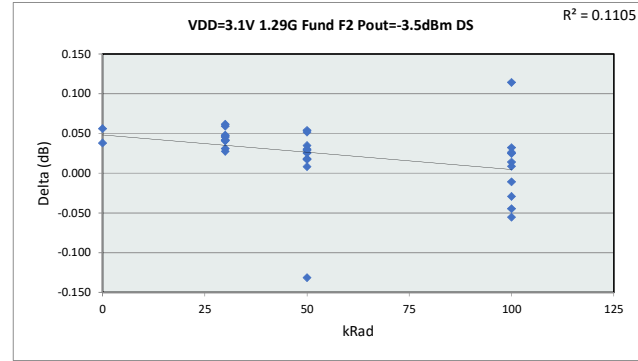


QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G Fund F2 Pout=

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-13.85000038	-13.85000038
Min Limit	-16.85000038	-16.85000038

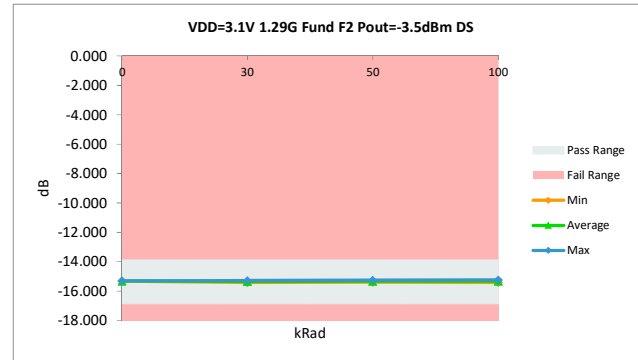
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.261	-15.317	0.056	-0.37%	1.87%
0	C2	-15.260	-15.298	0.038	-0.25%	1.27%
30	1	-15.356	-15.415	0.059	-0.38%	1.97%
30	2	-15.287	-15.332	0.045	-0.30%	1.51%
30	3	-15.312	-15.354	0.042	-0.27%	1.39%
30	4	-15.283	-15.314	0.031	-0.20%	1.04%
30	5	-15.303	-15.331	0.028	-0.18%	0.92%
30	6 U	-15.238	-15.300	0.062	-0.40%	2.06%
30	7 U	-15.300	-15.347	0.047	-0.31%	1.56%
30	8 U	-15.295	-15.336	0.041	-0.27%	1.37%
30	9 U	-15.366	-15.414	0.048	-0.31%	1.60%
30	10 U	-15.250	-15.291	0.041	-0.27%	1.36%
50	11	-15.252	-15.260	0.008	-0.05%	0.27%
50	12	-15.300	-15.317	0.017	-0.11%	0.58%
50	13	-15.288	-15.317	0.029	-0.19%	0.96%
50	14	-15.370	-15.388	0.018	-0.12%	0.61%
50	15	-15.363	-15.393	0.030	-0.20%	1.01%
50	16 U	-15.271	-15.306	0.035	-0.23%	1.16%
50	17 U	-15.312	-15.366	0.054	-0.35%	1.80%
50	18 U	-15.334	-15.359	0.025	-0.17%	0.85%
50	19 U	-15.249	-15.300	0.052	-0.34%	1.72%
50	20 U	-15.421	-15.290	-0.131	0.85%	4.38%
100	21	-15.285	-15.400	0.114	-0.75%	3.81%
100	22	-15.320	-15.310	-0.011	0.07%	0.36%
100	23	-15.278	-15.248	-0.029	0.19%	0.97%
100	24	-15.291	-15.236	-0.055	0.36%	1.84%
100	25	-15.321	-15.276	-0.045	0.29%	1.49%
100	26 U	-15.296	-15.322	0.026	-0.17%	0.88%
100	27 U	-15.386	-15.411	0.025	-0.16%	0.83%
100	28 U	-15.323	-15.355	0.032	-0.21%	1.07%
100	29 U	-15.270	-15.279	0.009	-0.06%	0.29%
100	30 U	-15.312	-15.326	0.014	-0.09%	0.47%
	Max	-15.238	-15.236	0.114	0.85%	4.38%
	Average	-15.305	-15.328	0.024	-0.15%	1.35%
	Min	-15.421	-15.415	-0.131	-0.75%	0.27%
	Std Dev	0.043	0.048	0.043	0.28%	0.88%



VDD=3.1V 1.29G Fund F2 Pout=

Test Site		
Tester		
Test Number		
Max Limit	-13.85000038	dB
Min Limit	-16.85000038	dB

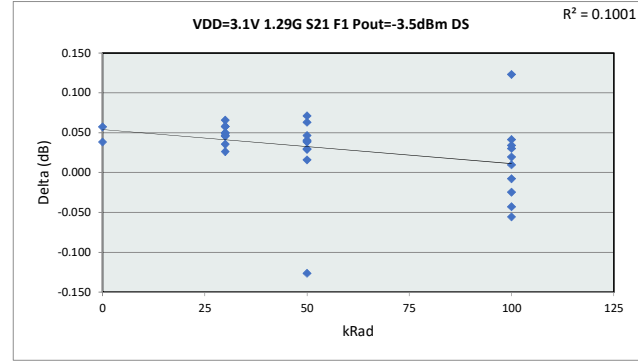
kRad	0	30	50	100
LL	-16.850	-16.850	-16.850	-16.850
Min	-15.317	-15.415	-15.393	-15.411
Average	-15.308	-15.343	-15.330	-15.316
Max	-15.298	-15.291	-15.260	-15.236
UL	-13.850	-13.850	-13.850	-13.850



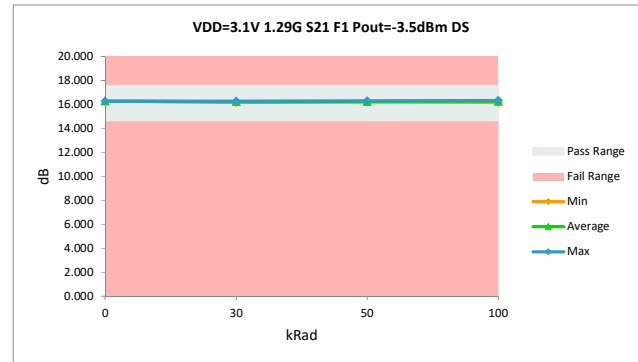
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G S21 F1 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	17.60000038	17.60000038
Min Limit	14.60000038	14.60000038

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	16.326	16.269	0.058	0.35%	1.92%
0	C2	16.323	16.284	0.038	0.23%	1.28%
30	1	16.229	16.171	0.058	0.36%	1.93%
30	2	16.299	16.253	0.046	0.28%	1.52%
30	3	16.272	16.225	0.047	0.29%	1.56%
30	4	16.301	16.266	0.036	0.22%	1.19%
30	5	16.279	16.253	0.026	0.16%	0.88%
30	6 U	16.350	16.284	0.066	0.40%	2.20%
30	7 U	16.288	16.230	0.058	0.35%	1.93%
30	8 U	16.287	16.241	0.046	0.28%	1.55%
30	9 U	16.219	16.169	0.050	0.31%	1.66%
30	10 U	16.336	16.287	0.050	0.30%	1.66%
50	11	16.332	16.316	0.016	0.10%	0.53%
50	12	16.285	16.256	0.029	0.18%	0.97%
50	13	16.297	16.259	0.038	0.24%	1.28%
50	14	16.218	16.188	0.030	0.18%	0.99%
50	15	16.222	16.181	0.041	0.25%	1.35%
50	16 U	16.318	16.271	0.047	0.29%	1.55%
50	17 U	16.277	16.206	0.071	0.44%	2.37%
50	18 U	16.253	16.214	0.039	0.24%	1.31%
50	19 U	16.333	16.269	0.063	0.39%	2.11%
50	20 U	16.164	16.291	-0.126	-0.78%	4.21%
100	21	16.298	16.175	0.123	0.76%	4.11%
100	22	16.259	16.267	-0.008	-0.05%	0.25%
100	23	16.304	16.329	-0.024	-0.15%	0.81%
100	24	16.286	16.342	-0.055	-0.34%	1.85%
100	25	16.258	16.300	-0.043	-0.26%	1.43%
100	26 U	16.289	16.255	0.034	0.21%	1.14%
100	27 U	16.194	16.164	0.030	0.19%	1.01%
100	28 U	16.260	16.219	0.042	0.26%	1.38%
100	29 U	16.306	16.297	0.010	0.06%	0.33%
100	30 U	16.265	16.246	0.020	0.12%	0.66%
	Max	16.350	16.342	0.123	0.76%	4.21%
	Average	16.279	16.249	0.030	0.18%	1.53%
	Min	16.164	16.164	-0.126	-0.78%	0.25%
	Std Dev	0.043	0.048	0.044	0.27%	0.86%



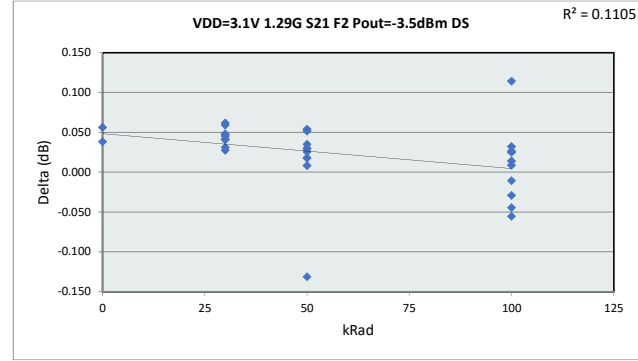
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Test Site				
Tester				
Test Number				
Max Limit	17.60000038		dB	
Min Limit	14.60000038		dB	
kRad	0	30	50	100
LL	14.600	14.600	14.600	14.600
Min	16.269	16.169	16.181	16.164
Average	16.276	16.238	16.245	16.259
Max	16.284	16.287	16.316	16.342
UL	17.600	17.600	17.600	17.600



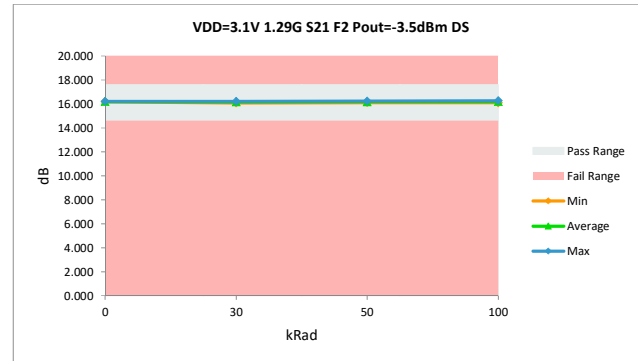
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G S21 F2 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	17.60000038	17.60000038
Min Limit	14.60000038	14.60000038

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	16.239	16.183	0.056	0.35%	1.87%
0	C2	16.240	16.202	0.038	0.23%	1.27%
30	1	16.144	16.085	0.059	0.37%	1.97%
30	2	16.213	16.168	0.045	0.28%	1.51%
30	3	16.188	16.146	0.042	0.26%	1.39%
30	4	16.217	16.186	0.031	0.19%	1.04%
30	5	16.197	16.169	0.028	0.17%	0.92%
30	6 U	16.262	16.200	0.062	0.38%	2.06%
30	7 U	16.200	16.153	0.047	0.29%	1.56%
30	8 U	16.205	16.164	0.041	0.25%	1.37%
30	9 U	16.134	16.086	0.048	0.30%	1.60%
30	10 U	16.250	16.209	0.041	0.25%	1.36%
50	11	16.248	16.240	0.008	0.05%	0.27%
50	12	16.200	16.183	0.017	0.11%	0.58%
50	13	16.212	16.183	0.029	0.18%	0.96%
50	14	16.130	16.112	0.018	0.11%	0.61%
50	15	16.137	16.107	0.030	0.19%	1.01%
50	16 U	16.229	16.194	0.035	0.22%	1.16%
50	17 U	16.188	16.134	0.054	0.33%	1.80%
50	18 U	16.166	16.141	0.025	0.16%	0.85%
50	19 U	16.251	16.200	0.052	0.32%	1.72%
50	20 U	16.079	16.210	-0.131	-0.82%	4.38%
100	21	16.215	16.100	0.114	0.71%	3.81%
100	22	16.180	16.190	-0.011	-0.07%	0.36%
100	23	16.222	16.252	-0.029	-0.18%	0.97%
100	24	16.209	16.264	-0.055	-0.34%	1.84%
100	25	16.179	16.224	-0.045	-0.28%	1.49%
100	26 U	16.204	16.178	0.026	0.16%	0.88%
100	27 U	16.114	16.089	0.025	0.15%	0.83%
100	28 U	16.177	16.145	0.032	0.20%	1.07%
100	29 U	16.230	16.221	0.009	0.05%	0.29%
100	30 U	16.188	16.174	0.014	0.09%	0.47%
	Max	16.262	16.264	0.114	0.71%	4.38%
	Average	16.195	16.172	0.024	0.15%	1.35%
	Min	16.079	16.085	-0.131	-0.82%	0.27%
	Std Dev	0.043	0.048	0.043	0.26%	0.88%



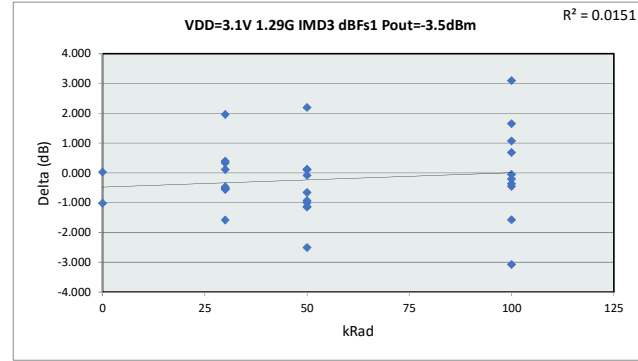
VDD=3.1V 1.29G S21 F2 Pout=-				
Test Site				
Tester				
Test Number				
Max Limit	17.60000038		dB	
Min Limit	14.60000038		dB	
kRad	0	30	50	100
LL	14.600	14.600	14.600	14.600
Min	16.183	16.085	16.107	16.089
Average	16.192	16.157	16.170	16.184
Max	16.202	16.209	16.240	16.264
UL	17.600	17.600	17.600	17.600



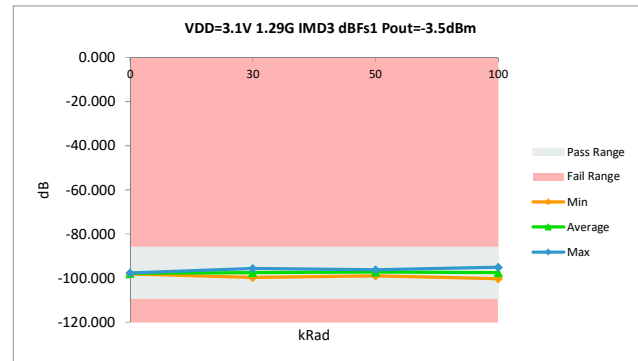
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G IMD3 dBFs1 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-85.70512489	-85.70512489
Min Limit	-109.1602077	-109.1602077

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-99.098	-98.084	-1.013	1.02%	4.32%
0	C2	-97.639	-97.666	0.027	-0.03%	0.11%
30	1	-96.136	-95.668	-0.468	0.49%	2.00%
30	2	-96.524	-96.858	0.335	-0.35%	1.43%
30	3	-95.998	-96.391	0.393	-0.41%	1.67%
30	4	-99.609	-99.725	0.117	-0.12%	0.50%
30	5	-99.408	-97.827	-1.581	1.59%	6.74%
30	6 U	-98.787	-98.251	-0.536	0.54%	2.29%
30	7 U	-97.573	-97.024	-0.549	0.56%	2.34%
30	8 U	-98.343	-97.799	-0.544	0.55%	2.32%
30	9 U	-96.696	-98.657	1.961	-2.03%	8.36%
30	10 U	-97.193	-96.681	-0.512	0.53%	2.18%
50	11	-96.388	-96.304	-0.084	0.09%	0.36%
50	12	-99.689	-97.186	-2.503	2.51%	10.67%
50	13	-98.643	-97.639	-1.004	1.02%	4.28%
50	14	-97.552	-96.405	-1.147	1.18%	4.89%
50	15	-96.459	-96.576	0.117	-0.12%	0.50%
50	16 U	-97.651	-96.721	-0.930	0.95%	3.97%
50	17 U	-98.866	-97.735	-1.131	1.14%	4.82%
50	18 U	-96.889	-96.997	0.109	-0.11%	0.46%
50	19 U	-98.581	-97.926	-0.655	0.66%	2.79%
50	20 U	-96.779	-98.968	2.189	-2.26%	9.33%
100	21	-99.041	-97.465	-1.576	1.59%	6.72%
100	22	-97.870	-99.521	1.651	-1.69%	7.04%
100	23	-96.454	-97.135	0.681	-0.71%	2.90%
100	24	-100.291	-97.219	-3.072	3.06%	13.10%
100	25	-97.139	-100.233	3.094	-3.19%	13.19%
100	26 U	-97.420	-98.491	1.071	-1.10%	4.57%
100	27 U	-96.449	-96.081	-0.368	0.38%	1.57%
100	28 U	-95.152	-95.099	-0.053	0.06%	0.23%
100	29 U	-97.907	-97.452	-0.455	0.46%	1.94%
100	30 U	-96.265	-96.058	-0.207	0.22%	0.88%
	Max	-95.152	-95.099	3.094	3.06%	13.19%
	Average	-97.640	-97.433	-0.208	0.20%	4.02%
	Min	-100.291	-100.233	-3.072	-3.19%	0.11%
	Std Dev	1.275	1.173	1.268	1.29%	3.66%



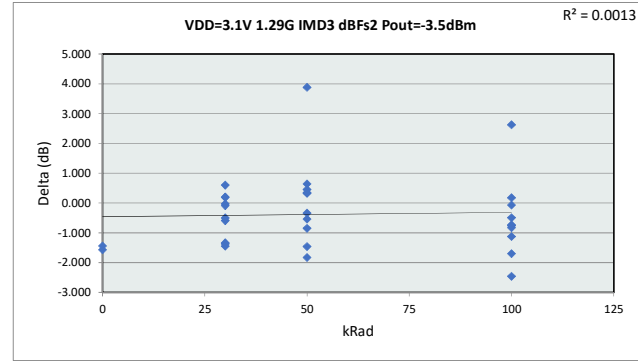
VDD=3.1V 1.29G IMD3 dBFs1				
Test Site				
Tester				
Test Number				
Max Limit	-85.70512489		dB	
Min Limit	-109.1602077		dB	
kRad	0	30	50	100
LL	-109.160	-109.160	-109.160	-109.160
Min	-98.084	-99.725	-98.968	-100.233
Average	-97.875	-97.488	-97.246	-97.475
Max	-97.666	-95.668	-96.304	-95.099
UL	-85.705	-85.705	-85.705	-85.705



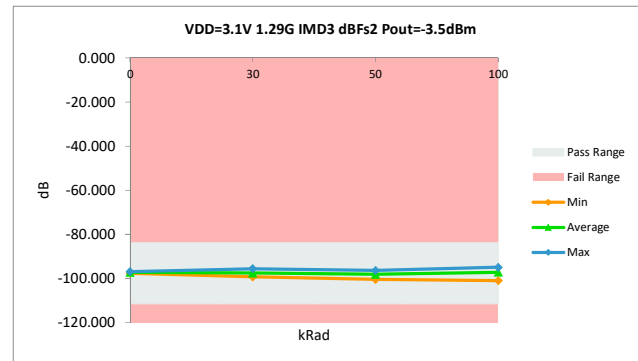
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G IMD3 dBFs2 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-83.58135916	-83.58135916
Min Limit	-111.522732	-111.522732

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-99.154	-97.583	-1.571	1.58%	5.62%
0	C2	-98.298	-96.857	-1.441	1.47%	5.16%
30	1	-97.237	-95.791	-1.446	1.49%	5.17%
30	2	-98.412	-97.821	-0.591	0.60%	2.11%
30	3	-96.966	-95.595	-1.371	1.41%	4.91%
30	4	-99.145	-99.114	-0.031	0.03%	0.11%
30	5	-100.655	-99.314	-1.340	1.33%	4.80%
30	6 U	-98.740	-98.926	0.187	-0.19%	0.67%
30	7 U	-96.894	-97.094	0.200	-0.21%	0.72%
30	8 U	-97.070	-96.571	-0.499	0.51%	1.78%
30	9 U	-97.490	-97.401	-0.089	0.09%	0.32%
30	10 U	-96.840	-97.443	0.603	-0.62%	2.16%
50	11	-97.260	-97.899	0.640	-0.66%	2.29%
50	12	-98.732	-99.184	0.452	-0.46%	1.62%
50	13	-100.104	-98.276	-1.828	1.83%	6.54%
50	14	-96.027	-96.371	0.344	-0.36%	1.23%
50	15	-96.768	-97.094	0.326	-0.34%	1.17%
50	16 U	-98.297	-97.956	-0.341	0.35%	1.22%
50	17 U	-99.779	-98.930	-0.849	0.85%	3.04%
50	18 U	-97.915	-96.456	-1.459	1.49%	5.22%
50	19 U	-98.377	-97.838	-0.540	0.55%	1.93%
50	20 U	-96.595	-100.476	3.881	-4.02%	13.89%
100	21	-99.756	-97.294	-2.461	2.47%	8.81%
100	22	-98.540	-98.048	-0.493	0.50%	1.76%
100	23	-97.948	-97.122	-0.826	0.84%	2.95%
100	24	-98.759	-97.063	-1.696	1.72%	6.07%
100	25	-98.349	-100.970	2.622	-2.67%	9.38%
100	26 U	-97.917	-97.850	-0.067	0.07%	0.24%
100	27 U	-96.220	-95.463	-0.758	0.79%	2.71%
100	28 U	-95.409	-95.589	0.180	-0.19%	0.64%
100	29 U	-98.062	-97.330	-0.732	0.75%	2.62%
100	30 U	-96.070	-94.947	-1.124	1.17%	4.02%
	Max	-95.409	-94.947	3.881	2.47%	13.89%
	Average	-97.931	-97.552	-0.379	0.38%	3.47%
	Min	-100.655	-100.970	-2.461	-4.02%	0.11%
	Std Dev	1.266	1.397	1.250	1.28%	3.08%



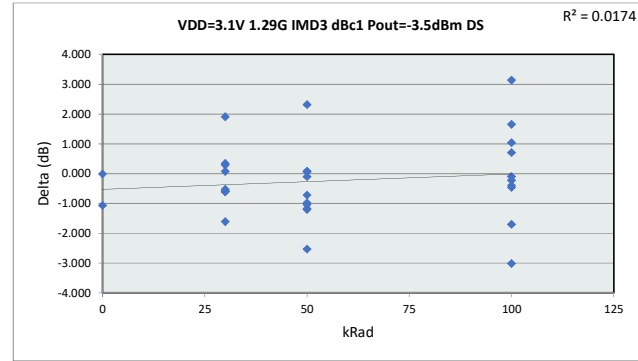
VDD=3.1V 1.29G IMD3 dBFs2				
Test Site				
Tester				
Test Number				
Max Limit	-83.58135916		dB	
Min Limit	-111.522732		dB	
kRad	0	30	50	100
LL	-111.523	-111.523	-111.523	-111.523
Min	-97.583	-99.314	-100.476	-100.970
Average	-97.220	-97.507	-98.048	-97.167
Max	-96.857	-95.595	-96.371	-94.947
UL	-83.581	-83.581	-83.581	-83.581



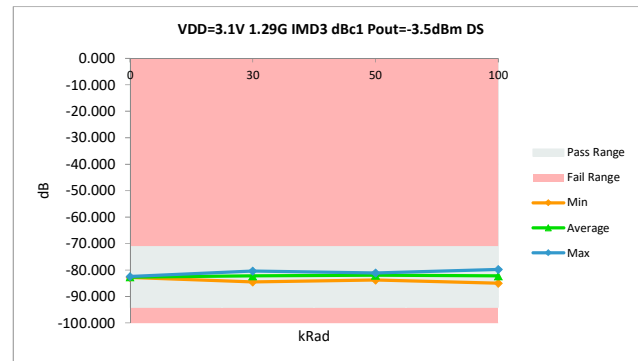
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G IMD3 dBc1 Pout	
Test Site	
Tester	
Test Number	
Unit	
Max Limit	-71
Min Limit	-94.07369048

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-83.924	-82.853	-1.071	1.28%	4.64%
0	C2	-82.462	-82.450	-0.011	0.01%	0.05%
30	1	-80.864	-80.338	-0.526	0.65%	2.28%
30	2	-81.322	-81.612	0.289	-0.36%	1.25%
30	3	-80.770	-81.116	0.346	-0.43%	1.50%
30	4	-84.410	-84.491	0.081	-0.10%	0.35%
30	5	-84.187	-82.580	-1.608	1.91%	6.97%
30	6 U	-83.637	-83.035	-0.602	0.72%	2.61%
30	7 U	-82.362	-81.754	-0.607	0.74%	2.63%
30	8 U	-83.131	-82.540	-0.590	0.71%	2.56%
30	9 U	-81.415	-83.326	1.911	-2.35%	8.28%
30	10 U	-82.029	-81.467	-0.562	0.69%	2.44%
50	11	-81.220	-81.120	-0.100	0.12%	0.43%
50	12	-84.474	-81.942	-2.532	3.00%	10.97%
50	13	-83.440	-82.397	-1.042	1.25%	4.52%
50	14	-82.270	-81.093	-1.177	1.43%	5.10%
50	15	-81.181	-81.258	0.076	-0.09%	0.33%
50	16 U	-82.469	-81.493	-0.977	1.18%	4.23%
50	17 U	-83.644	-82.442	-1.202	1.44%	5.21%
50	18 U	-81.641	-81.711	0.070	-0.09%	0.30%
50	19 U	-83.414	-82.696	-0.718	0.86%	3.11%
50	20 U	-81.443	-83.759	2.316	-2.84%	10.04%
100	21	-83.839	-82.140	-1.699	2.03%	7.37%
100	22	-82.629	-84.288	1.658	-2.01%	7.19%
100	23	-81.258	-81.964	0.706	-0.87%	3.06%
100	24	-85.077	-82.061	-3.016	3.55%	13.07%
100	25	-81.897	-85.034	3.137	-3.83%	13.60%
100	26 U	-82.209	-83.246	1.037	-1.26%	4.49%
100	27 U	-81.143	-80.745	-0.398	0.49%	1.73%
100	28 U	-79.913	-79.818	-0.095	0.12%	0.41%
100	29 U	-82.714	-82.249	-0.465	0.56%	2.02%
100	30 U	-81.031	-80.804	-0.227	0.28%	0.98%
Max		-79.913	-79.818	3.137	3.55%	13.60%
Average		-82.419	-82.182	-0.237	0.27%	4.18%
Min		-85.077	-85.034	-3.016	-3.83%	0.05%
Std Dev		1.294	1.189	1.285	1.55%	3.76%



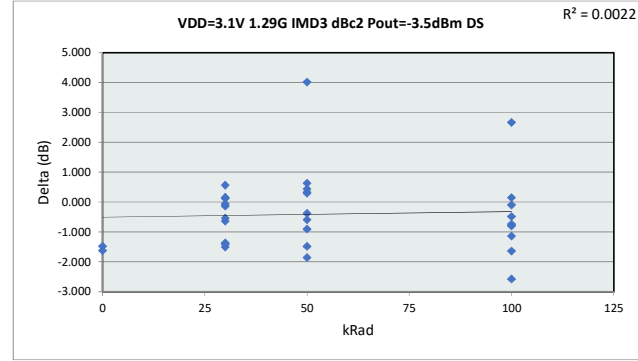
VDD=3.1V 1.29G IMD3 dBc1 Pout=-3.5dBm DS				
Test Site				
Tester				
Test Number				
Max Limit	-71			dB
Min Limit	-94.07369048			dB
kRad	0	30	50	100
LL	-94.074	-94.074	-94.074	-94.074
Min	-82.853	-84.491	-83.759	-85.034
Average	-82.651	-82.226	-81.991	-82.235
Max	-82.450	-80.338	-81.093	-79.818
UL	-71.000	-71.000	-71.000	-71.000



QMLP TID Report
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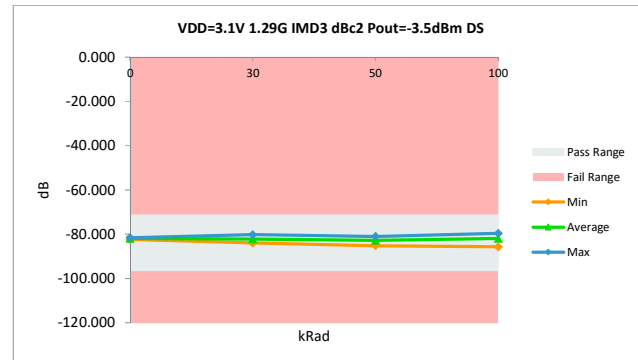
VDD=3.1V 1.29G IMD3 dBc2 Pout	
Test Site	
Tester	
Test Number	
Unit	
Max Limit	-71
Min Limit	-96.40022719

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-83.893	-82.265	-1.627	1.94%	6.41%
0	C2	-83.038	-81.559	-1.479	1.78%	5.82%
30	1	-81.880	-80.375	-1.505	1.84%	5.92%
30	2	-83.125	-82.489	-0.636	0.77%	2.50%
30	3	-81.653	-80.241	-1.413	1.73%	5.56%
30	4	-83.863	-83.800	-0.062	0.07%	0.24%
30	5	-85.351	-83.983	-1.368	1.60%	5.39%
30	6 U	-83.501	-83.626	0.125	-0.15%	0.49%
30	7 U	-81.593	-81.746	0.153	-0.19%	0.60%
30	8 U	-81.775	-81.235	-0.540	0.66%	2.12%
30	9 U	-82.124	-81.987	-0.137	0.17%	0.54%
30	10 U	-81.590	-82.152	0.562	-0.69%	2.21%
50	11	-82.008	-82.639	0.631	-0.77%	2.49%
50	12	-83.433	-83.867	0.434	-0.52%	1.71%
50	13	-84.816	-82.959	-1.857	2.19%	7.31%
50	14	-80.657	-80.983	0.326	-0.40%	1.28%
50	15	-81.405	-81.701	0.295	-0.36%	1.16%
50	16 U	-83.026	-82.650	-0.376	0.45%	1.48%
50	17 U	-84.467	-83.564	-0.903	1.07%	3.56%
50	18 U	-82.581	-81.097	-1.484	1.80%	5.84%
50	19 U	-83.129	-82.537	-0.591	0.71%	2.33%
50	20 U	-81.174	-85.186	4.012	-4.94%	15.80%
100	21	-84.470	-81.895	-2.576	3.05%	10.14%
100	22	-83.220	-82.738	-0.482	0.58%	1.90%
100	23	-82.670	-81.874	-0.797	0.96%	3.14%
100	24	-83.468	-81.827	-1.641	1.97%	6.46%
100	25	-83.028	-85.694	2.666	-3.21%	10.50%
100	26 U	-82.622	-82.528	-0.094	0.11%	0.37%
100	27 U	-80.834	-80.052	-0.782	0.97%	3.08%
100	28 U	-80.086	-80.233	0.147	-0.18%	0.58%
100	29 U	-82.792	-82.051	-0.741	0.90%	2.92%
100	30 U	-80.758	-79.621	-1.138	1.41%	4.48%
	Max	-80.086	-79.621	4.012	3.05%	15.80%
	Average	-82.626	-82.224	-0.402	0.48%	3.89%
	Min	-85.351	-85.694	-2.576	-4.94%	0.24%
	Std Dev	1.286	1.418	1.276	1.55%	3.50%



VDD=3.1V 1.29G IMD3 dBc2 Pout=-3.5dBm DS	
Test Site	
Tester	
Test Number	
Max Limit	-71
Min Limit	-96.40022719

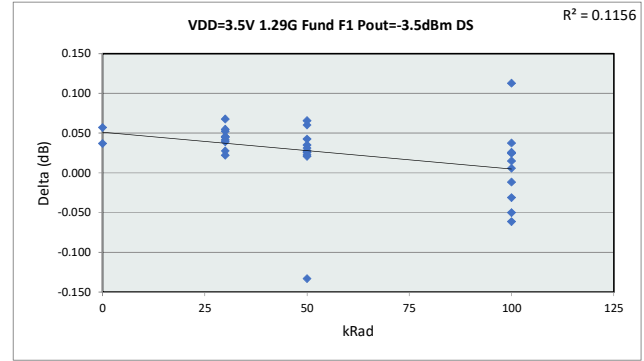
kRad	0	30	50	100
LL	-96.400	-96.400	-96.400	-96.400
Min	-82.265	-83.983	-85.186	-85.694
Average	-81.912	-82.164	-82.718	-81.851
Max	-81.559	-80.241	-80.983	-79.621
UL	-71.000	-71.000	-71.000	-71.000



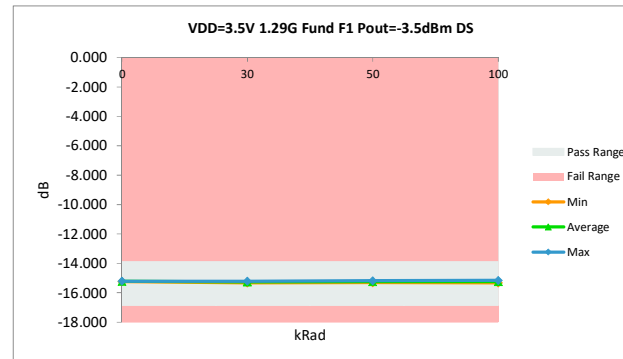
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G Fund F1 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-13.85000038	-13.85000038
Min Limit	-16.85000038	-16.85000038

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.175	-15.232	0.057	-0.38%	1.91%
0	C2	-15.178	-15.215	0.037	-0.24%	1.23%
30	1	-15.267	-15.322	0.055	-0.36%	1.83%
30	2	-15.200	-15.245	0.045	-0.29%	1.49%
30	3	-15.229	-15.270	0.041	-0.27%	1.38%
30	4	-15.200	-15.227	0.028	-0.18%	0.92%
30	5	-15.221	-15.243	0.022	-0.15%	0.74%
30	6 U	-15.147	-15.215	0.068	-0.45%	2.26%
30	7 U	-15.211	-15.263	0.052	-0.35%	1.75%
30	8 U	-15.209	-15.249	0.039	-0.26%	1.30%
30	9 U	-15.279	-15.324	0.045	-0.30%	1.51%
30	10 U	-15.162	-15.208	0.046	-0.30%	1.53%
50	11	-15.163	-15.184	0.021	-0.14%	0.70%
50	12	-15.218	-15.241	0.023	-0.15%	0.76%
50	13	-15.206	-15.233	0.028	-0.18%	0.92%
50	14	-15.282	-15.307	0.026	-0.17%	0.86%
50	15	-15.277	-15.312	0.035	-0.23%	1.17%
50	16 U	-15.181	-15.224	0.043	-0.28%	1.42%
50	17 U	-15.221	-15.287	0.066	-0.43%	2.19%
50	18 U	-15.245	-15.276	0.031	-0.21%	1.04%
50	19 U	-15.164	-15.224	0.060	-0.40%	2.00%
50	20 U	-15.339	-15.206	-0.133	0.87%	4.43%
100	21	-15.204	-15.317	0.113	-0.74%	3.76%
100	22	-15.239	-15.228	-0.011	0.07%	0.38%
100	23	-15.195	-15.164	-0.031	0.20%	1.03%
100	24	-15.215	-15.153	-0.061	0.40%	2.04%
100	25	-15.245	-15.195	-0.050	0.33%	1.66%
100	26 U	-15.215	-15.240	0.025	-0.16%	0.82%
100	27 U	-15.305	-15.331	0.026	-0.17%	0.87%
100	28 U	-15.240	-15.278	0.038	-0.25%	1.25%
100	29 U	-15.189	-15.195	0.006	-0.04%	0.19%
100	30 U	-15.231	-15.246	0.015	-0.10%	0.50%
	Max	-15.147	-15.153	0.113	0.87%	4.43%
	Average	-15.220	-15.245	0.025	-0.17%	1.43%
	Min	-15.339	-15.331	-0.133	-0.74%	0.19%
	Std Dev	0.044	0.047	0.044	0.29%	0.88%



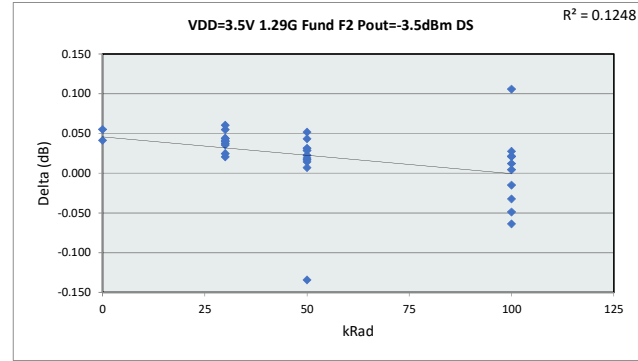
VDD=3.5V 1.29G Fund F1 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-13.85000038	dB		
Min Limit	-16.85000038	dB		
kRad	0	30	50	100
LL	-16.850	-16.850	-16.850	-16.850
Min	-15.232	-15.324	-15.312	-15.331
Average	-15.224	-15.257	-15.249	-15.235
Max	-15.215	-15.208	-15.184	-15.153
UL	-13.850	-13.850	-13.850	-13.850



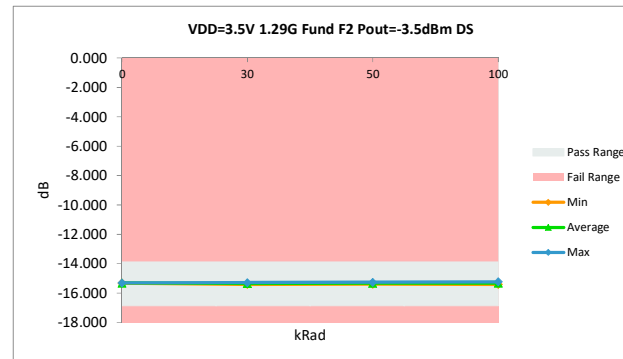
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G Fund F2 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-13.85000038	-13.85000038
Min Limit	-16.85000038	-16.85000038

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.263	-15.318	0.055	-0.36%	1.84%
0	C2	-15.259	-15.300	0.041	-0.27%	1.38%
30	1	-15.352	-15.407	0.055	-0.36%	1.83%
30	2	-15.285	-15.328	0.043	-0.28%	1.45%
30	3	-15.309	-15.349	0.040	-0.26%	1.33%
30	4	-15.283	-15.308	0.025	-0.16%	0.83%
30	5	-15.304	-15.325	0.020	-0.13%	0.68%
30	6 U	-15.234	-15.294	0.060	-0.40%	2.02%
30	7 U	-15.297	-15.341	0.044	-0.29%	1.47%
30	8 U	-15.291	-15.327	0.036	-0.23%	1.19%
30	9 U	-15.362	-15.403	0.041	-0.26%	1.35%
30	10 U	-15.248	-15.285	0.037	-0.25%	1.25%
50	11	-15.250	-15.257	0.007	-0.05%	0.24%
50	12	-15.302	-15.316	0.014	-0.09%	0.47%
50	13	-15.285	-15.308	0.023	-0.15%	0.75%
50	14	-15.367	-15.384	0.017	-0.11%	0.56%
50	15	-15.360	-15.389	0.029	-0.19%	0.95%
50	16 U	-15.268	-15.299	0.031	-0.21%	1.05%
50	17 U	-15.310	-15.362	0.052	-0.34%	1.73%
50	18 U	-15.331	-15.350	0.019	-0.12%	0.64%
50	19 U	-15.251	-15.295	0.043	-0.28%	1.44%
50	20 U	-15.420	-15.286	-0.134	0.87%	4.48%
100	21	-15.289	-15.395	0.106	-0.69%	3.53%
100	22	-15.320	-15.305	-0.015	0.10%	0.50%
100	23	-15.277	-15.245	-0.032	0.21%	1.08%
100	24	-15.292	-15.228	-0.064	0.42%	2.13%
100	25	-15.322	-15.273	-0.049	0.32%	1.63%
100	26 U	-15.298	-15.319	0.021	-0.14%	0.71%
100	27 U	-15.381	-15.402	0.021	-0.14%	0.70%
100	28 U	-15.323	-15.351	0.028	-0.18%	0.92%
100	29 U	-15.270	-15.274	0.004	-0.03%	0.15%
100	30 U	-15.308	-15.320	0.012	-0.08%	0.41%
	Max	-15.234	-15.228	0.106	0.87%	4.48%
	Average	-15.303	-15.323	0.020	-0.13%	1.27%
	Min	-15.420	-15.407	-0.134	-0.69%	0.15%
	Std Dev	0.043	0.047	0.043	0.28%	0.89%



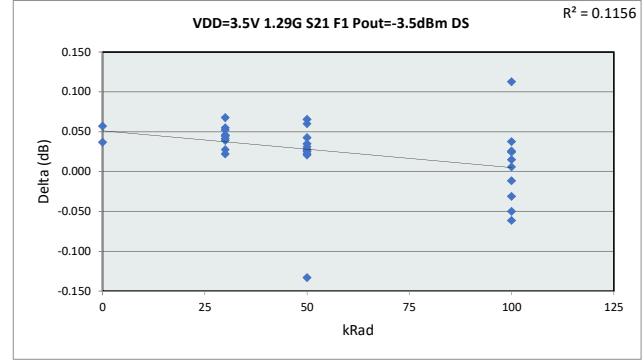
VDD=3.5V 1.29G Fund F2 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-13.85000038		dB	
Min Limit	-16.85000038		dB	
kRad	0	30	50	100
LL	-16.850	-16.850	-16.850	-16.850
Min	-15.318	-15.407	-15.389	-15.402
Average	-15.309	-15.337	-15.325	-15.311
Max	-15.300	-15.285	-15.257	-15.228
UL	-13.850	-13.850	-13.850	-13.850



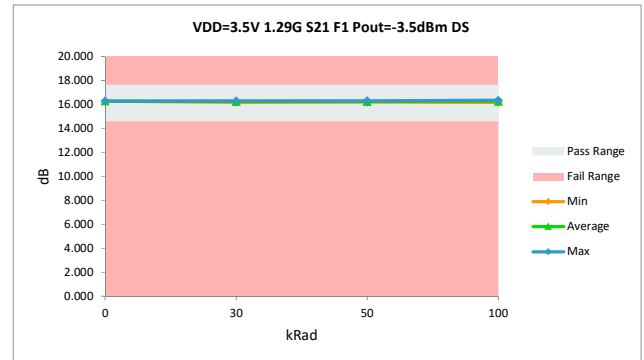
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G S21 F1 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	17.60000038	17.60000038
Min Limit	14.60000038	14.60000038

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	16.325	16.268	0.057	0.35%	1.91%
0	C2	16.322	16.285	0.037	0.23%	1.23%
30	1	16.233	16.178	0.055	0.34%	1.83%
30	2	16.300	16.255	0.045	0.27%	1.49%
30	3	16.271	16.230	0.041	0.25%	1.38%
30	4	16.300	16.273	0.028	0.17%	0.92%
30	5	16.279	16.257	0.022	0.14%	0.74%
30	6 U	16.353	16.285	0.068	0.41%	2.26%
30	7 U	16.289	16.237	0.052	0.32%	1.75%
30	8 U	16.291	16.251	0.039	0.24%	1.30%
30	9 U	16.221	16.176	0.045	0.28%	1.51%
30	10 U	16.338	16.292	0.046	0.28%	1.53%
50	11	16.337	16.316	0.021	0.13%	0.70%
50	12	16.282	16.259	0.023	0.14%	0.76%
50	13	16.294	16.267	0.028	0.17%	0.92%
50	14	16.218	16.193	0.026	0.16%	0.86%
50	15	16.223	16.188	0.035	0.22%	1.17%
50	16 U	16.319	16.276	0.043	0.26%	1.42%
50	17 U	16.279	16.213	0.066	0.40%	2.19%
50	18 U	16.255	16.224	0.031	0.19%	1.04%
50	19 U	16.336	16.276	0.060	0.37%	2.00%
50	20 U	16.161	16.294	-0.133	-0.82%	4.43%
100	21	16.296	16.183	0.113	0.69%	3.76%
100	22	16.261	16.272	-0.011	-0.07%	0.38%
100	23	16.305	16.336	-0.031	-0.19%	1.03%
100	24	16.285	16.347	-0.061	-0.38%	2.04%
100	25	16.255	16.305	-0.050	-0.31%	1.66%
100	26 U	16.285	16.260	0.025	0.15%	0.82%
100	27 U	16.195	16.169	0.026	0.16%	0.87%
100	28 U	16.260	16.222	0.038	0.23%	1.25%
100	29 U	16.311	16.305	0.006	0.04%	0.19%
100	30 U	16.269	16.254	0.015	0.09%	0.50%
	Max	16.353	16.347	0.113	0.69%	4.43%
	Average	16.280	16.255	0.025	0.15%	1.43%
	Min	16.161	16.169	-0.133	-0.82%	0.19%
	Std Dev	0.044	0.047	0.044	0.27%	0.88%



VDD=3.5V 1.29G S21 F1 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	17.60000038		dB	
Min Limit	14.60000038		dB	
kRad	0	30	50	100
LL	14.600	14.600	14.600	14.600
Min	16.268	16.176	16.188	16.169
Average	16.276	16.243	16.251	16.265
Max	16.285	16.292	16.316	16.347
UL	17.600	17.600	17.600	17.600

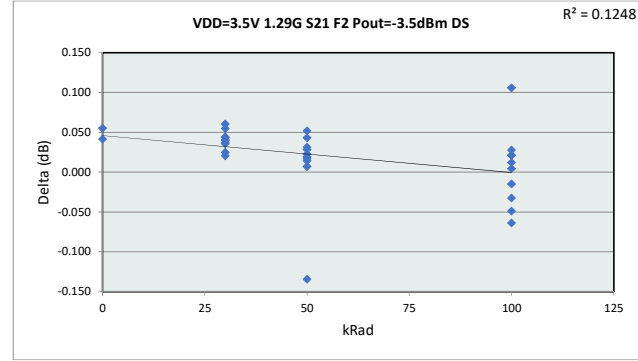


QMLP TID Report

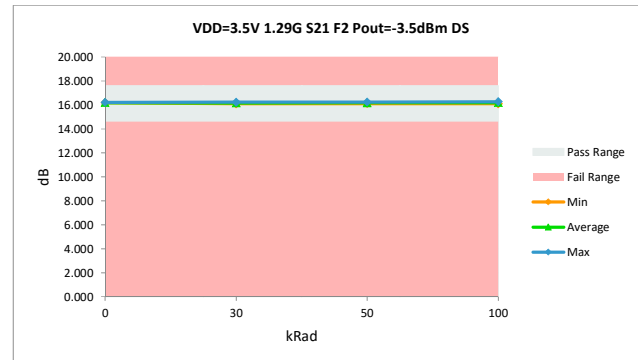
TRF0208 QMLP

VDD=3.5V 1.29G S21 F2 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	17.60000038	17.60000038
Min Limit	14.60000038	14.60000038

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	16.237	16.182	0.055	0.34%	1.84%
0	C2	16.241	16.200	0.041	0.25%	1.38%
30	1	16.148	16.093	0.055	0.34%	1.83%
30	2	16.215	16.172	0.043	0.27%	1.45%
30	3	16.191	16.151	0.040	0.25%	1.33%
30	4	16.217	16.192	0.025	0.15%	0.83%
30	5	16.196	16.175	0.020	0.13%	0.68%
30	6 U	16.266	16.206	0.060	0.37%	2.02%
30	7 U	16.203	16.159	0.044	0.27%	1.47%
30	8 U	16.209	16.173	0.036	0.22%	1.19%
30	9 U	16.138	16.097	0.041	0.25%	1.35%
30	10 U	16.252	16.215	0.037	0.23%	1.25%
50	11	16.250	16.243	0.007	0.04%	0.24%
50	12	16.198	16.184	0.014	0.09%	0.47%
50	13	16.215	16.192	0.023	0.14%	0.75%
50	14	16.133	16.116	0.017	0.10%	0.56%
50	15	16.140	16.111	0.029	0.18%	0.95%
50	16 U	16.232	16.201	0.031	0.19%	1.05%
50	17 U	16.190	16.138	0.052	0.32%	1.73%
50	18 U	16.169	16.150	0.019	0.12%	0.64%
50	19 U	16.249	16.205	0.043	0.27%	1.44%
50	20 U	16.080	16.214	-0.134	-0.84%	4.48%
100	21	16.211	16.105	0.106	0.65%	3.53%
100	22	16.180	16.195	-0.015	-0.09%	0.50%
100	23	16.223	16.255	-0.032	-0.20%	1.08%
100	24	16.208	16.272	-0.064	-0.39%	2.13%
100	25	16.178	16.227	-0.049	-0.30%	1.63%
100	26 U	16.202	16.181	0.021	0.13%	0.71%
100	27 U	16.119	16.098	0.021	0.13%	0.70%
100	28 U	16.177	16.149	0.028	0.17%	0.92%
100	29 U	16.230	16.226	0.004	0.03%	0.15%
100	30 U	16.192	16.180	0.012	0.08%	0.41%
	Max	16.266	16.272	0.106	0.65%	4.48%
	Average	16.197	16.177	0.020	0.12%	1.27%
	Min	16.080	16.093	-0.134	-0.84%	0.15%
	Std Dev	0.043	0.047	0.043	0.26%	0.89%



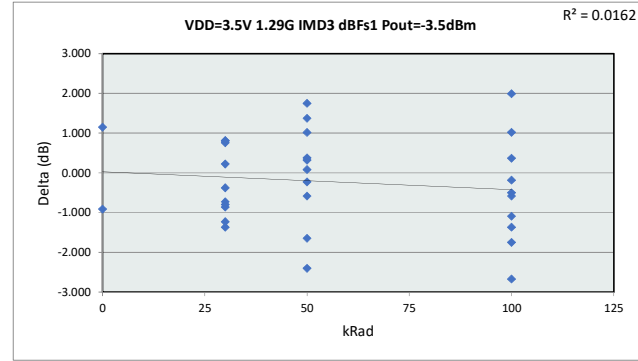
VDD=3.5V 1.29G S21 F2 Pout=-				
Test Site				
Tester				
Test Number				
Max Limit	17.60000038		dB	
Min Limit	14.60000038		dB	
kRad	0	30	50	100
LL	14.600	14.600	14.600	14.600
Min	16.182	16.093	16.111	16.098
Average	16.191	16.163	16.175	16.189
Max	16.200	16.215	16.243	16.272
UL	17.600	17.600	17.600	17.600



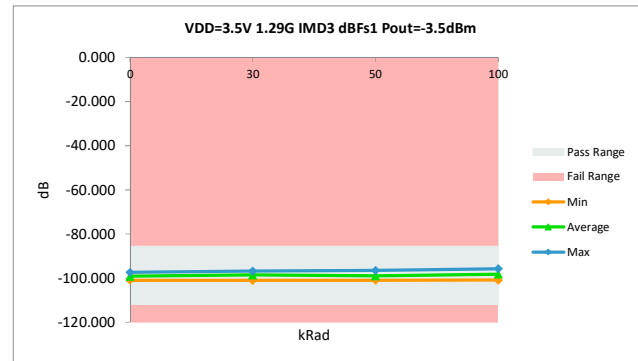
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G IMD3 dBFs1 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-85.36453533	-85.36453533
Min Limit	-111.903091	-111.903091

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-99.829	-100.982	1.153	-1.16%	4.35%
0	C2	-98.288	-97.375	-0.913	0.93%	3.44%
30	1	-97.530	-96.802	-0.728	0.75%	2.74%
30	2	-97.900	-98.712	0.812	-0.83%	3.06%
30	3	-97.999	-98.220	0.222	-0.23%	0.84%
30	4	-98.787	-99.590	0.802	-0.81%	3.02%
30	5	-100.259	-101.020	0.760	-0.76%	2.87%
30	6 U	-100.950	-99.584	-1.366	1.35%	5.15%
30	7 U	-99.147	-98.350	-0.797	0.80%	3.00%
30	8 U	-99.111	-97.879	-1.233	1.24%	4.65%
30	9 U	-99.281	-98.420	-0.861	0.87%	3.24%
30	10 U	-98.129	-97.752	-0.378	0.38%	1.42%
50	11	-97.913	-98.291	0.378	-0.39%	1.42%
50	12	-101.760	-100.112	-1.648	1.62%	6.21%
50	13	-99.459	-99.231	-0.228	0.23%	0.86%
50	14	-98.964	-96.563	-2.401	2.43%	9.05%
50	15	-97.087	-98.101	1.014	-1.04%	3.82%
50	16 U	-98.888	-99.210	0.322	-0.33%	1.21%
50	17 U	-100.116	-99.533	-0.583	0.58%	2.20%
50	18 U	-97.157	-98.531	1.374	-1.41%	5.18%
50	19 U	-99.053	-99.139	0.086	-0.09%	0.32%
50	20 U	-99.193	-100.943	1.750	-1.76%	6.59%
100	21	-101.235	-98.564	-2.671	2.64%	10.06%
100	22	-100.464	-99.098	-1.366	1.36%	5.15%
100	23	-97.202	-98.224	1.022	-1.05%	3.85%
100	24	-100.786	-99.039	-1.747	1.73%	6.58%
100	25	-99.079	-98.899	-0.180	0.18%	0.68%
100	26 U	-98.938	-100.928	1.991	-2.01%	7.50%
100	27 U	-96.755	-97.123	0.368	-0.38%	1.39%
100	28 U	-96.233	-95.734	-0.499	0.52%	1.88%
100	29 U	-97.999	-97.417	-0.581	0.59%	2.19%
100	30 U	-98.009	-96.918	-1.091	1.11%	4.11%
	Max	-96.233	-95.734	1.991	2.64%	10.06%
	Average	-98.859	-98.634	-0.226	0.22%	3.69%
	Min	-101.760	-101.020	-2.671	-2.01%	0.32%
	Std Dev	1.354	1.327	1.164	1.17%	2.44%



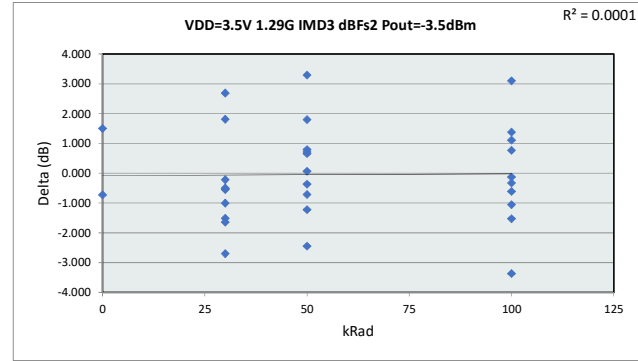
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Test Site				
Tester				
Test Number				
Max Limit	-85.36453533		dB	
Min Limit	-111.903091		dB	
kRad	0	30	50	100
LL	-111.903	-111.903	-111.903	-111.903
Min	-100.982	-101.020	-100.943	-100.928
Average	-99.178	-98.633	-98.965	-98.194
Max	-97.375	-96.802	-96.563	-95.734
UL	-85.365	-85.365	-85.365	-85.365



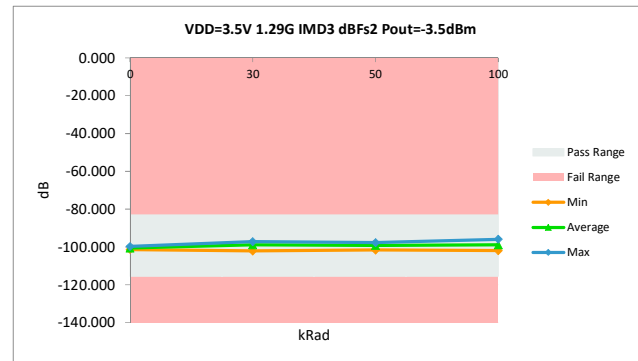
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G IMD3 dBFs2 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-82.70321609	-82.70321609
Min Limit	-115.4762864	-115.4762864

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-99.835	-101.336	1.501	-1.50%	4.58%
0	C2	-100.465	-99.739	-0.726	0.72%	2.22%
30	1	-97.420	-97.200	-0.220	0.23%	0.67%
30	2	-98.173	-97.624	-0.549	0.56%	1.68%
30	3	-98.104	-97.588	-0.516	0.53%	1.57%
30	4	-98.951	-100.763	1.813	-1.83%	5.53%
30	5	-101.141	-100.638	-0.503	0.50%	1.54%
30	6 U	-99.438	-102.123	2.685	-2.70%	8.19%
30	7 U	-98.700	-97.185	-1.515	1.53%	4.62%
30	8 U	-101.139	-98.442	-2.697	2.67%	8.23%
30	9 U	-100.072	-98.429	-1.643	1.64%	5.01%
30	10 U	-99.414	-98.409	-1.004	1.01%	3.06%
50	11	-98.171	-99.972	1.802	-1.84%	5.50%
50	12	-99.477	-98.761	-0.716	0.72%	2.18%
50	13	-101.643	-99.194	-2.450	2.41%	7.47%
50	14	-96.855	-97.647	0.791	-0.82%	2.42%
50	15	-97.169	-97.830	0.661	-0.68%	2.02%
50	16 U	-98.175	-98.242	0.067	-0.07%	0.21%
50	17 U	-101.461	-100.239	-1.222	1.20%	3.73%
50	18 U	-98.543	-98.173	-0.369	0.37%	1.13%
50	19 U	-99.833	-100.551	0.717	-0.72%	2.19%
50	20 U	-98.394	-101.689	3.295	-3.35%	10.05%
100	21	-101.461	-98.090	-3.371	3.32%	10.29%
100	22	-100.625	-101.732	1.108	-1.10%	3.38%
100	23	-98.503	-98.378	-0.125	0.13%	0.38%
100	24	-100.182	-99.127	-1.056	1.05%	3.22%
100	25	-98.877	-101.976	3.099	-3.13%	9.46%
100	26 U	-99.911	-99.582	-0.330	0.33%	1.01%
100	27 U	-97.488	-98.866	1.379	-1.41%	4.21%
100	28 U	-97.424	-95.895	-1.529	1.57%	4.67%
100	29 U	-98.201	-98.966	0.765	-0.78%	2.33%
100	30 U	-97.099	-96.485	-0.614	0.63%	1.87%
	Max	-96.855	-95.895	3.295	3.32%	10.29%
	Average	-99.136	-99.090	-0.046	0.04%	3.89%
	Min	-101.643	-102.123	-3.371	-3.35%	0.21%
	Std Dev	1.404	1.639	1.605	1.61%	2.89%



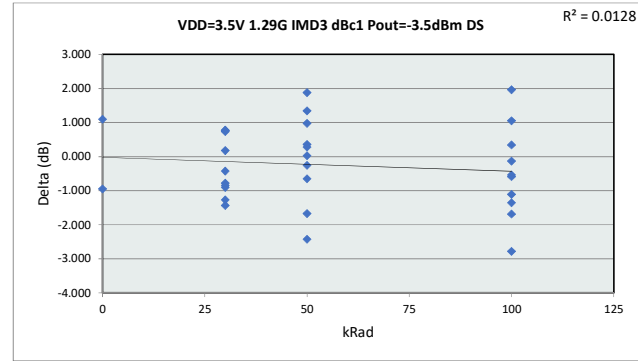
VDD=3.5V 1.29G IMD3 dBFs2				
Test Site				
Tester				
Test Number				
Max Limit	-82.70321609		dB	
Min Limit	-115.4762864		dB	
kRad	0	30	50	100
LL	-115.476	-115.476	-115.476	-115.476
Min	-101.336	-102.123	-101.689	-101.976
Average	-100.537	-98.840	-99.230	-98.910
Max	-99.739	-97.185	-97.647	-95.895
UL	-82.703	-82.703	-82.703	-82.703



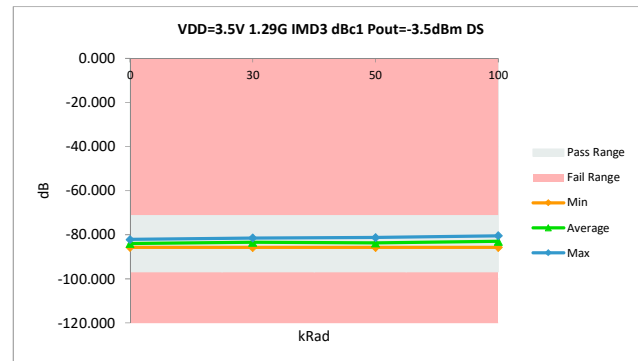
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G IMD3 dBc1 Pout	
Test Site	
Tester	
Test Number	
Unit	
Max Limit	-71
Min Limit	-96.81811809

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-84.654	-85.750	1.096	-1.29%	4.25%
0	C2	-83.109	-82.160	-0.950	1.14%	3.68%
30	1	-82.263	-81.480	-0.783	0.95%	3.03%
30	2	-82.700	-83.468	0.767	-0.93%	2.97%
30	3	-82.769	-82.950	0.180	-0.22%	0.70%
30	4	-83.588	-84.362	0.775	-0.93%	3.00%
30	5	-85.038	-85.776	0.738	-0.87%	2.86%
30	6 U	-85.802	-84.369	-1.434	1.67%	5.55%
30	7 U	-83.936	-83.087	-0.849	1.01%	3.29%
30	8 U	-83.902	-82.630	-1.272	1.52%	4.93%
30	9 U	-84.002	-83.096	-0.906	1.08%	3.51%
30	10 U	-82.968	-82.544	-0.423	0.51%	1.64%
50	11	-82.750	-83.107	0.357	-0.43%	1.38%
50	12	-86.542	-84.872	-1.670	1.93%	6.47%
50	13	-84.253	-83.997	-0.256	0.30%	0.99%
50	14	-83.683	-81.256	-2.427	2.90%	9.40%
50	15	-81.810	-82.789	0.979	-1.20%	3.79%
50	16 U	-83.707	-83.986	0.279	-0.33%	1.08%
50	17 U	-84.895	-84.247	-0.648	0.76%	2.51%
50	18 U	-81.912	-83.255	1.342	-1.64%	5.20%
50	19 U	-83.889	-83.915	0.026	-0.03%	0.10%
50	20 U	-83.854	-85.737	1.883	-2.25%	7.29%
100	21	-86.031	-83.247	-2.784	3.24%	10.78%
100	22	-85.224	-83.870	-1.355	1.59%	5.25%
100	23	-82.007	-83.060	1.053	-1.28%	4.08%
100	24	-85.571	-83.885	-1.686	1.97%	6.53%
100	25	-83.834	-83.703	-0.130	0.16%	0.50%
100	26 U	-83.722	-85.688	1.966	-2.35%	7.62%
100	27 U	-81.449	-81.792	0.342	-0.42%	1.33%
100	28 U	-80.993	-80.456	-0.537	0.66%	2.08%
100	29 U	-82.809	-82.222	-0.587	0.71%	2.27%
100	30 U	-82.778	-81.672	-1.106	1.34%	4.28%
Max		-80.993	-80.456	1.966	3.24%	10.78%
Average		-83.639	-83.388	-0.251	0.29%	3.82%
Min		-86.542	-85.776	-2.784	-2.35%	0.10%
Std Dev		1.365	1.343	1.177	1.40%	2.58%



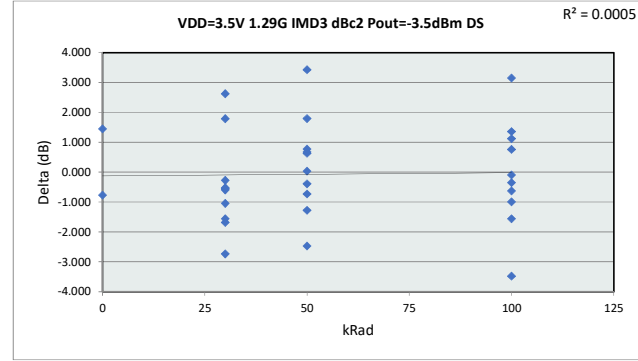
VDD=3.5V 1.29G IMD3 dBc1 Pout=-3.5dBm DS				
Test Site				
Tester				
Test Number				
Max Limit	-71			
Min Limit	-96.81811809			
kRad	0	30	50	100
LL	-96.818	-96.818	-96.818	-96.818
Min	-85.750	-85.776	-85.737	-85.688
Average	-83.955	-83.376	-83.716	-82.960
Max	-82.160	-81.480	-81.256	-80.456
UL	-71.000	-71.000	-71.000	-71.000



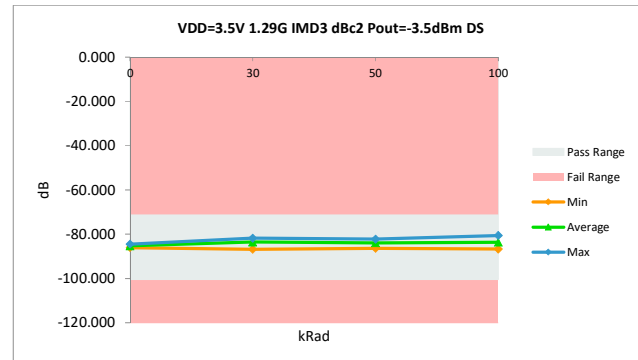
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G IMD3 dBc2 Po	
Test Site	
Tester	
Test Number	
Unit	
Max Limit	-71
Min Limit	-100.3620274

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-84.572	-86.018	1.446	-1.71%	4.92%
0	C2	-85.206	-84.439	-0.768	0.90%	2.61%
30	1	-82.068	-81.793	-0.275	0.33%	0.94%
30	2	-82.889	-82.296	-0.593	0.71%	2.02%
30	3	-82.795	-82.239	-0.556	0.67%	1.89%
30	4	-83.667	-85.455	1.788	-2.14%	6.09%
30	5	-85.837	-85.313	-0.524	0.61%	1.78%
30	6 U	-84.204	-86.829	2.625	-3.12%	8.94%
30	7 U	-83.403	-81.844	-1.559	1.87%	5.31%
30	8 U	-85.848	-83.116	-2.732	3.18%	9.31%
30	9 U	-84.710	-83.026	-1.684	1.99%	5.73%
30	10 U	-84.166	-83.124	-1.042	1.24%	3.55%
50	11	-82.921	-84.715	1.795	-2.16%	6.11%
50	12	-84.176	-83.445	-0.730	0.87%	2.49%
50	13	-86.358	-83.885	-2.472	2.86%	8.42%
50	14	-81.489	-82.263	0.775	-0.95%	2.64%
50	15	-81.809	-82.441	0.632	-0.77%	2.15%
50	16 U	-82.907	-82.943	0.036	-0.04%	0.12%
50	17 U	-86.151	-84.877	-1.274	1.48%	4.34%
50	18 U	-83.211	-82.823	-0.388	0.47%	1.32%
50	19 U	-84.582	-85.256	0.674	-0.80%	2.30%
50	20 U	-82.974	-86.403	3.429	-4.13%	11.68%
100	21	-86.172	-82.695	-3.477	4.03%	11.84%
100	22	-85.305	-86.427	1.123	-1.32%	3.82%
100	23	-83.226	-83.133	-0.093	0.11%	0.32%
100	24	-84.890	-83.898	-0.992	1.17%	3.38%
100	25	-83.555	-86.703	3.148	-3.77%	10.72%
100	26 U	-84.613	-84.263	-0.351	0.41%	1.20%
100	27 U	-82.107	-83.464	1.358	-1.65%	4.62%
100	28 U	-82.101	-80.544	-1.557	1.90%	5.30%
100	29 U	-82.931	-83.692	0.760	-0.92%	2.59%
100	30 U	-81.791	-81.165	-0.626	0.77%	2.13%
	Max	-81.489	-80.544	3.429	4.03%	11.84%
	Average	-83.832	-83.767	-0.066	0.07%	4.39%
	Min	-86.358	-86.829	-3.477	-4.13%	0.12%
	Std Dev	1.419	1.660	1.626	1.93%	3.28%



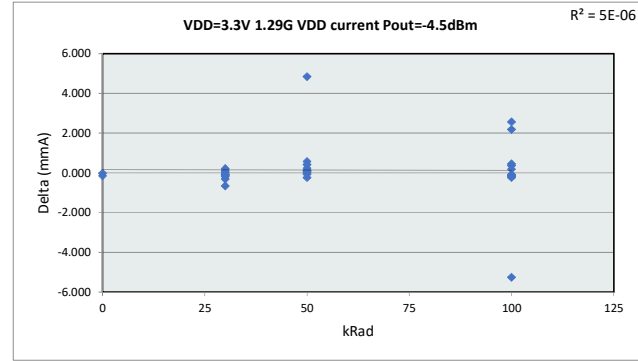
VDD=3.5V 1.29G IMD3 dBc2 P				
Test Site				
Tester				
Test Number				
Max Limit	-71			
Min Limit	-100.3620274			
kRad	0	30	50	100
LL	-100.362	-100.362	-100.362	-100.362
Min	-86.018	-86.829	-86.403	-86.703
Average	-85.228	-83.504	-83.905	-83.598
Max	-84.439	-81.793	-82.263	-80.544
UL	-71.000	-71.000	-71.000	-71.000



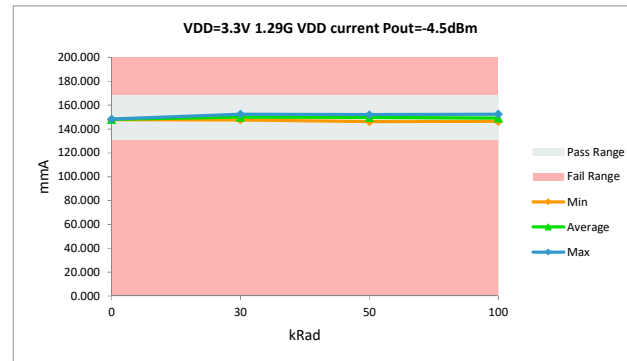
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G VDD current P		
Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	168.0702094	168.0702094
Min Limit	130.8249866	130.8249866

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	148.128	148.275	-0.147	-0.10%	0.40%
0	C2	147.859	147.872	-0.013	-0.01%	0.03%
30	1	149.575	149.648	-0.073	-0.05%	0.20%
30	2	149.400	149.496	-0.095	-0.06%	0.26%
30	3	152.168	152.476	-0.308	-0.20%	0.83%
30	4	147.421	147.601	-0.180	-0.12%	0.48%
30	5	151.840	151.745	0.095	0.06%	0.26%
30	6 U	148.570	148.696	-0.126	-0.09%	0.34%
30	7 U	149.734	149.519	0.214	0.14%	0.58%
30	8 U	148.029	148.682	-0.653	-0.44%	1.75%
30	9 U	151.094	151.151	-0.057	-0.04%	0.15%
30	10 U	149.699	149.669	0.030	0.02%	0.08%
50	11	148.828	148.251	0.577	0.39%	1.55%
50	12	152.161	151.743	0.418	0.27%	1.12%
50	13	148.642	148.547	0.095	0.06%	0.26%
50	14	150.089	149.962	0.127	0.08%	0.34%
50	15	152.152	152.058	0.094	0.06%	0.25%
50	16 U	146.031	146.275	-0.244	-0.17%	0.66%
50	17 U	150.024	150.092	-0.068	-0.05%	0.18%
50	18 U	151.372	151.137	0.235	0.16%	0.63%
50	19 U	149.585	149.585	0.000	0.00%	0.00%
50	20 U	152.418	147.579	4.839	3.18%	12.99%
100	21	147.009	152.262	-5.252	-3.57%	14.10%
100	22	148.211	147.842	0.369	0.25%	0.99%
100	23	148.543	148.083	0.460	0.31%	1.24%
100	24	148.921	146.356	2.565	1.72%	6.89%
100	25	150.090	147.900	2.189	1.46%	5.88%
100	26 U	146.782	146.866	-0.084	-0.06%	0.22%
100	27 U	152.510	152.328	0.182	0.12%	0.49%
100	28 U	152.156	152.398	-0.242	-0.16%	0.65%
100	29 U	147.994	148.113	-0.119	-0.08%	0.32%
100	30 U	149.944	150.117	-0.172	-0.12%	0.46%
	Max	152.510	152.476	4.839	3.18%	14.10%
	Average	149.593	149.448	0.145	0.09%	1.71%
	Min	146.031	146.275	-5.252	-3.57%	0.00%
	Std Dev	1.817	1.862	1.431	0.96%	3.45%



VDD=3.3V 1.29G VDD current P				
Test Site				
Tester				
Test Number				
Max Limit	168.0702094	mA		
Min Limit	130.8249866	mA		
kRad	0	30	50	100
LL	130.825	130.825	130.825	130.825
Min	147.872	147.601	146.275	146.356
Average	148.073	149.868	149.523	149.226
Max	148.275	152.476	152.058	152.398
UL	168.070	168.070	168.070	168.070

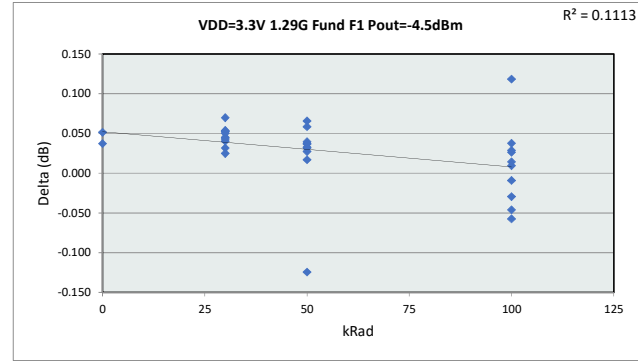


QMLP TID Report

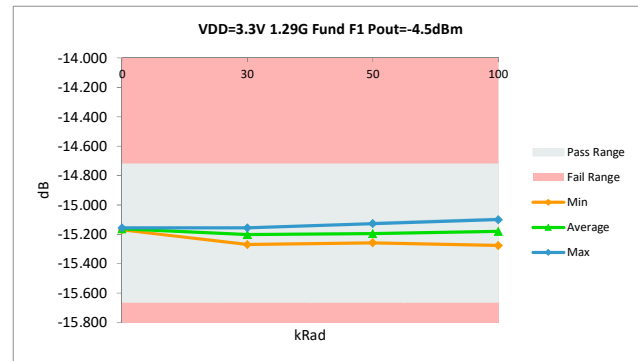
TRF0208 QMLP

VDD=3.3V 1.29G Fund F1 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.71918288	-14.71918288
Min Limit	-15.66070744	-15.66070744

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.118	-15.170	0.052	-0.34%	5.48%
0	C2	-15.118	-15.155	0.037	-0.25%	3.96%
30	1	-15.213	-15.266	0.053	-0.35%	5.64%
30	2	-15.143	-15.188	0.045	-0.30%	4.80%
30	3	-15.172	-15.212	0.040	-0.27%	4.28%
30	4	-15.140	-15.171	0.032	-0.21%	3.36%
30	5	-15.163	-15.188	0.025	-0.16%	2.65%
30	6 U	-15.090	-15.160	0.070	-0.46%	7.42%
30	7 U	-15.152	-15.206	0.054	-0.35%	5.71%
30	8 U	-15.153	-15.196	0.043	-0.28%	4.58%
30	9 U	-15.219	-15.269	0.050	-0.33%	5.34%
30	10 U	-15.102	-15.155	0.053	-0.35%	5.58%
50	11	-15.110	-15.127	0.017	-0.11%	1.80%
50	12	-15.159	-15.186	0.027	-0.18%	2.91%
50	13	-15.145	-15.182	0.037	-0.24%	3.91%
50	14	-15.223	-15.255	0.032	-0.21%	3.39%
50	15	-15.219	-15.257	0.038	-0.25%	4.01%
50	16 U	-15.124	-15.164	0.040	-0.26%	4.22%
50	17 U	-15.165	-15.231	0.066	-0.43%	6.98%
50	18 U	-15.191	-15.223	0.033	-0.22%	3.48%
50	19 U	-15.110	-15.168	0.059	-0.39%	6.22%
50	20 U	-15.278	-15.154	-0.124	0.81%	13.22%
100	21	-15.146	-15.265	0.118	-0.78%	12.58%
100	22	-15.180	-15.171	-0.009	0.06%	0.96%
100	23	-15.138	-15.109	-0.030	0.20%	3.14%
100	24	-15.157	-15.100	-0.057	0.38%	6.10%
100	25	-15.185	-15.139	-0.046	0.30%	4.90%
100	26 U	-15.156	-15.185	0.029	-0.19%	3.06%
100	27 U	-15.249	-15.275	0.026	-0.17%	2.81%
100	28 U	-15.181	-15.218	0.038	-0.25%	4.01%
100	29 U	-15.133	-15.142	0.010	-0.06%	1.01%
100	30 U	-15.176	-15.190	0.014	-0.09%	1.51%
	Max	-15.090	-15.100	0.118	0.81%	13.22%
	Average	-15.163	-15.190	0.027	-0.18%	4.66%
	Min	-15.278	-15.275	-0.124	-0.78%	0.96%
	Std Dev	0.044	0.047	0.043	0.28%	2.69%



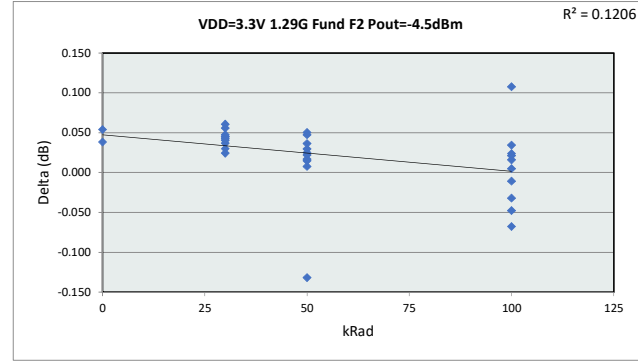
VDD=3.3V 1.29G Fund F1 Pout=-				
Test Site				
Tester				
Test Number				
Max Limit	-14.71918288		dB	
Min Limit	-15.66070744		dB	
kRad	0	30	50	100
LL	-15.661	-15.661	-15.661	-15.661
Min	-15.170	-15.269	-15.257	-15.275
Average	-15.162	-15.201	-15.195	-15.179
Max	-15.155	-15.155	-15.127	-15.100
UL	-14.719	-14.719	-14.719	-14.719



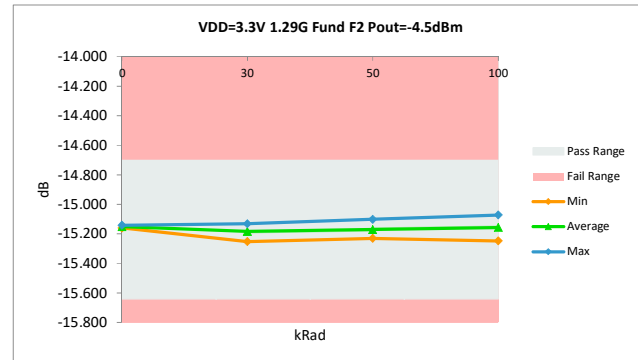
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G Fund F2 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.69694282	-14.69694282
Min Limit	-15.64151697	-15.64151697

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.106	-15.160	0.054	-0.36%	5.73%
0	C2	-15.104	-15.143	0.039	-0.25%	4.08%
30	1	-15.197	-15.253	0.056	-0.37%	5.92%
30	2	-15.130	-15.170	0.041	-0.27%	4.29%
30	3	-15.153	-15.198	0.045	-0.30%	4.77%
30	4	-15.127	-15.157	0.030	-0.20%	3.17%
30	5	-15.148	-15.172	0.024	-0.16%	2.59%
30	6 U	-15.079	-15.140	0.061	-0.40%	6.44%
30	7 U	-15.141	-15.186	0.045	-0.30%	4.77%
30	8 U	-15.138	-15.175	0.037	-0.24%	3.91%
30	9 U	-15.205	-15.253	0.047	-0.31%	5.03%
30	10 U	-15.089	-15.132	0.043	-0.28%	4.52%
50	11	-15.095	-15.103	0.008	-0.05%	0.83%
50	12	-15.146	-15.160	0.015	-0.10%	1.56%
50	13	-15.132	-15.157	0.025	-0.17%	2.66%
50	14	-15.212	-15.228	0.017	-0.11%	1.78%
50	15	-15.202	-15.231	0.030	-0.19%	3.14%
50	16 U	-15.110	-15.146	0.036	-0.24%	3.86%
50	17 U	-15.157	-15.207	0.050	-0.33%	5.34%
50	18 U	-15.176	-15.199	0.022	-0.15%	2.35%
50	19 U	-15.096	-15.144	0.048	-0.31%	5.03%
50	20 U	-15.262	-15.131	-0.132	0.86%	13.94%
100	21	-15.133	-15.240	0.108	-0.71%	11.40%
100	22	-15.163	-15.152	-0.011	0.07%	1.14%
100	23	-15.119	-15.087	-0.032	0.21%	3.39%
100	24	-15.140	-15.072	-0.068	0.45%	7.15%
100	25	-15.166	-15.118	-0.048	0.31%	5.05%
100	26 U	-15.141	-15.165	0.024	-0.16%	2.53%
100	27 U	-15.226	-15.248	0.021	-0.14%	2.26%
100	28 U	-15.166	-15.201	0.035	-0.23%	3.65%
100	29 U	-15.113	-15.118	0.005	-0.03%	0.52%
100	30 U	-15.153	-15.169	0.016	-0.11%	1.70%
	Max	-15.079	-15.072	0.108	0.86%	13.94%
	Average	-15.148	-15.169	0.022	-0.14%	4.20%
	Min	-15.262	-15.253	-0.132	-0.71%	0.52%
	Std Dev	0.043	0.047	0.043	0.28%	2.79%



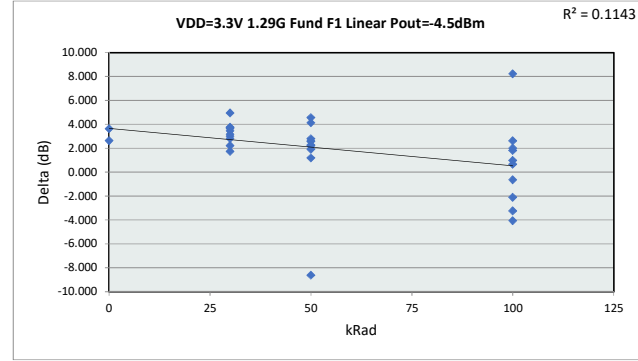
VDD=3.3V 1.29G Fund F2 Pout=-				
Test Site				
Tester				
Test Number				
Max Limit	-14.69694282	dB		
Min Limit	-15.64151697	dB		
kRad	0	30	50	100
LL	-15.642	-15.642	-15.642	-15.642
Min	-15.160	-15.253	-15.231	-15.248
Average	-15.151	-15.183	-15.171	-15.157
Max	-15.143	-15.132	-15.103	-15.072
UL	-14.697	-14.697	-14.697	-14.697



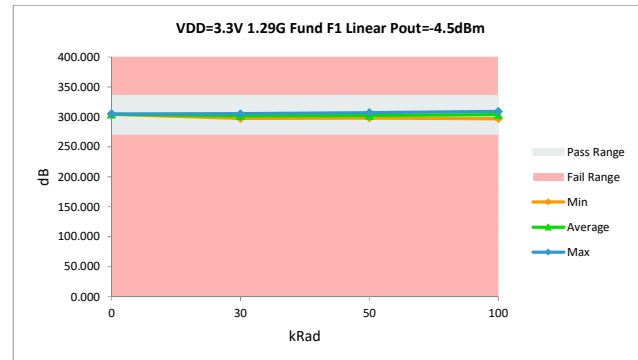
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G Fund F1 Linear		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	335.4854604	335.4854604
Min Limit	269.9393043	269.9393043

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	307.739	304.106	3.633	1.18%	5.54%
0	C2	307.765	305.132	2.633	0.86%	4.02%
30	1	301.088	297.432	3.656	1.21%	5.58%
30	2	306.001	302.832	3.169	1.04%	4.83%
30	3	303.939	301.130	2.810	0.92%	4.29%
30	4	306.215	303.996	2.219	0.72%	3.39%
30	5	304.570	302.826	1.743	0.57%	2.66%
30	6 U	309.749	304.804	4.946	1.60%	7.55%
30	7 U	305.319	301.562	3.756	1.23%	5.73%
30	8 U	305.273	302.259	3.015	0.99%	4.60%
30	9 U	300.680	297.218	3.462	1.15%	5.28%
30	10 U	308.871	305.157	3.714	1.20%	5.67%
50	11	308.338	307.139	1.200	0.39%	1.83%
50	12	304.869	302.954	1.915	0.63%	2.92%
50	13	305.848	303.268	2.580	0.84%	3.94%
50	14	300.380	298.180	2.200	0.73%	3.36%
50	15	300.652	298.050	2.602	0.87%	3.97%
50	16 U	307.317	304.516	2.801	0.91%	4.27%
50	17 U	304.451	299.877	4.574	1.50%	6.98%
50	18 U	302.643	300.366	2.277	0.75%	3.47%
50	19 U	308.328	304.201	4.127	1.34%	6.30%
50	20 U	296.601	305.226	-8.625	-2.91%	13.16%
100	21	305.762	297.538	8.224	2.69%	12.55%
100	22	303.368	304.000	-0.632	-0.21%	0.96%
100	23	306.305	308.396	-2.092	-0.68%	3.19%
100	24	304.972	309.029	-4.057	-1.33%	6.19%
100	25	303.062	306.298	-3.236	-1.07%	4.94%
100	26 U	305.082	303.064	2.018	0.66%	3.08%
100	27 U	298.630	296.817	1.813	0.61%	2.77%
100	28 U	303.341	300.713	2.628	0.87%	4.01%
100	29 U	306.714	306.043	0.671	0.22%	1.02%
100	30 U	303.661	302.668	0.993	0.33%	1.51%
	Max	309.749	309.029	8.224	2.69%	13.16%
	Average	304.610	302.712	1.898	0.62%	4.67%
	Min	296.601	296.817	-8.625	-2.91%	0.96%
	Std Dev	3.045	3.277	3.013	1.00%	2.69%



VDD=3.3V 1.29G Fund F1 Linear				
Test Site				
Tester				
Test Number				
Max Limit	335.4854604		dB	
Min Limit	269.9393043		dB	
kRad	0	30	50	100
LL	269.939	269.939	269.939	269.939
Min	304.106	297.218	298.050	296.817
Average	304.619	301.922	302.378	303.457
Max	305.132	305.157	307.139	309.029
UL	335.485	335.485	335.485	335.485

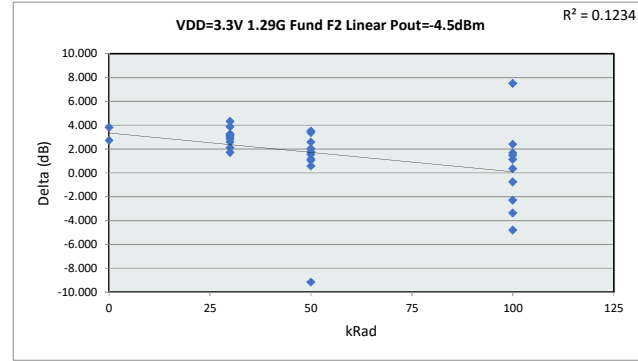


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G Fund F2 Linea

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	337.2167562	337.2167562
Min Limit	271.1029402	271.1029402

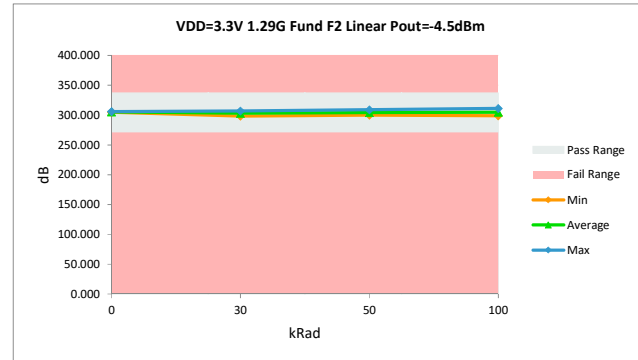
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	308.583	304.762	3.821	1.24%	5.78%
0	C2	308.738	306.013	2.725	0.88%	4.12%
30	1	302.228	298.360	3.868	1.28%	5.85%
30	2	306.931	304.077	2.853	0.93%	4.32%
30	3	305.311	302.158	3.153	1.03%	4.77%
30	4	307.123	305.010	2.113	0.69%	3.20%
30	5	305.652	303.938	1.714	0.56%	2.59%
30	6 U	310.507	306.191	4.316	1.39%	6.53%
30	7 U	306.145	302.982	3.162	1.03%	4.78%
30	8 U	306.359	303.766	2.592	0.85%	3.92%
30	9 U	301.618	298.339	3.279	1.09%	4.96%
30	10 U	309.803	306.771	3.032	0.98%	4.59%
50	11	309.403	308.842	0.561	0.18%	0.85%
50	12	305.801	304.767	1.034	0.34%	1.56%
50	13	306.765	304.994	1.771	0.58%	2.68%
50	14	301.194	300.027	1.167	0.39%	1.76%
50	15	301.867	299.816	2.052	0.68%	3.10%
50	16 U	308.323	305.746	2.577	0.84%	3.90%
50	17 U	305.004	301.482	3.522	1.15%	5.33%
50	18 U	303.635	302.087	1.548	0.51%	2.34%
50	19 U	309.285	305.918	3.367	1.09%	5.09%
50	20 U	297.689	306.852	-9.163	-3.08%	13.86%
100	21	306.719	299.205	7.514	2.45%	11.37%
100	22	304.563	305.320	-0.758	-0.25%	1.15%
100	23	307.665	309.942	-2.277	-0.74%	3.44%
100	24	306.229	311.029	-4.800	-1.57%	7.26%
100	25	304.386	307.746	-3.360	-1.10%	5.08%
100	26 U	306.114	304.438	1.677	0.55%	2.54%
100	27 U	300.181	298.710	1.471	0.49%	2.22%
100	28 U	304.350	301.940	2.410	0.79%	3.64%
100	29 U	308.093	307.742	0.351	0.11%	0.53%
100	30 U	305.270	304.143	1.126	0.37%	1.70%
	Max	310.507	311.029	7.514	2.45%	13.86%
	Average	305.673	304.160	1.513	0.49%	4.21%
	Min	297.689	298.339	-9.163	-3.08%	0.53%
	Std Dev	2.982	3.306	3.006	0.99%	2.78%



VDD=3.3V 1.29G Fund F2 Line

Test Site		
Tester		
Test Number		
Max Limit	337.2167562	dB
Min Limit	271.1029402	dB

kRad	0	30	50	100
LL	271.103	271.103	271.103	271.103
Min	304.762	298.339	299.816	298.710
Average	305.388	303.159	304.053	305.022
Max	306.013	306.771	308.842	311.029
UL	337.217	337.217	337.217	337.217

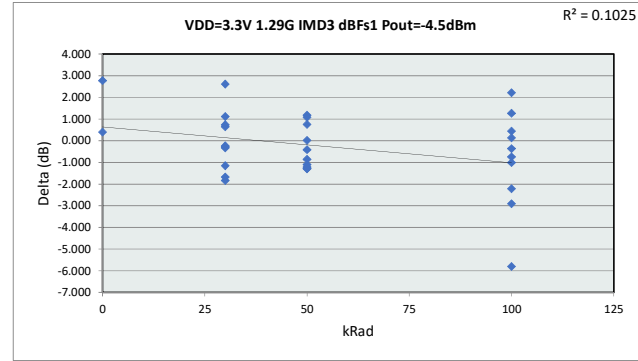


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G IMD3 dBFs1 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-85.05963963	-85.05963963
Min Limit	-115.964506	-115.964506

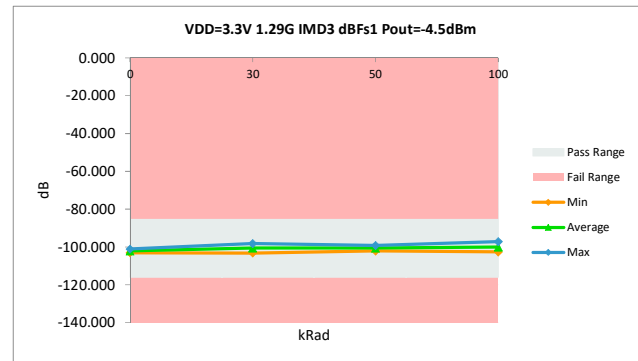
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-100.336	-103.105	2.769	-2.76%	8.96%
0	C2	-100.703	-101.099	0.396	-0.39%	1.28%
30	1	-99.802	-99.476	-0.326	0.33%	1.05%
30	2	-100.537	-98.706	-1.831	1.82%	5.93%
30	3	-99.287	-100.018	0.731	-0.74%	2.36%
30	4	-101.730	-102.847	1.117	-1.10%	3.61%
30	5	-102.496	-102.258	-0.238	0.23%	0.77%
30	6 U	-100.564	-103.175	2.611	-2.60%	8.45%
30	7 U	-100.333	-100.048	-0.285	0.28%	0.92%
30	8 U	-101.023	-101.670	0.647	-0.64%	2.09%
30	9 U	-100.433	-99.280	-1.153	1.15%	3.73%
30	10 U	-99.875	-98.196	-1.679	1.68%	5.43%
50	11	-101.053	-102.129	1.076	-1.07%	3.48%
50	12	-100.918	-102.098	1.180	-1.17%	3.82%
50	13	-102.551	-101.269	-1.282	1.25%	4.15%
50	14	-99.914	-99.493	-0.421	0.42%	1.36%
50	15	-100.250	-99.389	-0.861	0.86%	2.78%
50	16 U	-101.242	-100.027	-1.215	1.20%	3.93%
50	17 U	-102.414	-101.123	-1.291	1.26%	4.18%
50	18 U	-99.605	-99.623	0.018	-0.02%	0.06%
50	19 U	-100.283	-99.180	-1.102	1.10%	3.57%
50	20 U	-101.352	-102.106	0.754	-0.74%	2.44%
100	21	-104.447	-98.642	-5.805	5.56%	18.78%
100	22	-103.623	-102.613	-1.009	0.97%	3.27%
100	23	-98.650	-99.916	1.267	-1.28%	4.10%
100	24	-101.652	-101.287	-0.366	0.36%	1.18%
100	25	-100.586	-101.027	0.441	-0.44%	1.43%
100	26 U	-102.332	-99.423	-2.909	2.84%	9.41%
100	27 U	-98.292	-100.505	2.213	-2.25%	7.16%
100	28 U	-99.342	-97.127	-2.215	2.23%	7.17%
100	29 U	-101.440	-100.696	-0.743	0.73%	2.41%
100	30 U	-98.706	-98.833	0.127	-0.13%	0.41%
	Max	-98.292	-97.127	2.769	5.56%	18.78%
	Average	-100.805	-100.512	-0.293	0.28%	4.05%
	Min	-104.447	-103.175	-5.805	-2.76%	0.06%
	Std Dev	1.390	1.545	1.679	1.65%	3.67%



VDD=3.3V 1.29G IMD3 dBFs1

Test Site		
Tester		
Test Number		
Max Limit	-85.05963963	dB
Min Limit	-115.964506	dB

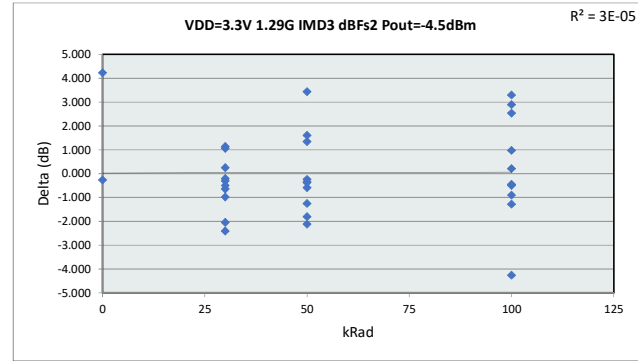
kRad	0	30	50	100
LL	-115.965	-115.965	-115.965	-115.965
Min	-103.105	-103.175	-102.129	-102.613
Average	-102.102	-100.567	-100.644	-100.007
Max	-101.099	-98.196	-99.180	-97.127
UL	-85.060	-85.060	-85.060	-85.060



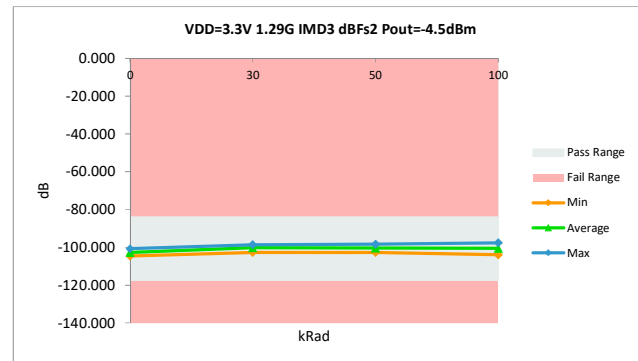
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G IMD3 dBFs2 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-83.61320606	-83.61320606
Min Limit	-117.368769	-117.368769

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-100.315	-104.543	4.228	-4.21%	12.52%
0	C2	-101.020	-100.759	-0.262	0.26%	0.78%
30	1	-99.670	-99.170	-0.500	0.50%	1.48%
30	2	-99.833	-99.532	-0.301	0.30%	0.89%
30	3	-99.092	-100.228	1.136	-1.15%	3.36%
30	4	-102.388	-102.641	0.254	-0.25%	0.75%
30	5	-101.954	-100.976	-0.978	0.96%	2.90%
30	6 U	-100.548	-99.905	-0.643	0.64%	1.91%
30	7 U	-100.617	-98.573	-2.044	2.03%	6.06%
30	8 U	-101.862	-99.457	-2.405	2.36%	7.12%
30	9 U	-99.996	-99.790	-0.206	0.21%	0.61%
30	10 U	-100.893	-101.961	1.068	-1.06%	3.17%
50	11	-100.458	-99.871	-0.587	0.58%	1.74%
50	12	-101.792	-101.553	-0.239	0.24%	0.71%
50	13	-100.435	-100.058	-0.377	0.38%	1.12%
50	14	-99.423	-99.081	-0.342	0.34%	1.01%
50	15	-99.520	-98.268	-1.253	1.26%	3.71%
50	16 U	-101.765	-99.963	-1.802	1.77%	5.34%
50	17 U	-99.737	-101.344	1.607	-1.61%	4.76%
50	18 U	-99.233	-100.580	1.347	-1.36%	3.99%
50	19 U	-101.778	-99.661	-2.117	2.08%	6.27%
50	20 U	-99.210	-102.648	3.437	-3.46%	10.18%
100	21	-104.167	-99.906	-4.261	4.09%	12.62%
100	22	-103.763	-102.482	-1.280	1.23%	3.79%
100	23	-99.324	-98.422	-0.901	0.91%	2.67%
100	24	-100.606	-103.900	3.293	-3.27%	9.76%
100	25	-100.411	-103.304	2.892	-2.88%	8.57%
100	26 U	-100.218	-99.770	-0.448	0.45%	1.33%
100	27 U	-98.435	-99.409	0.974	-0.99%	2.89%
100	28 U	-98.101	-97.600	-0.501	0.51%	1.48%
100	29 U	-98.888	-101.431	2.542	-2.57%	7.53%
100	30 U	-98.719	-98.926	0.208	-0.21%	0.62%
	Max	-98.101	-97.600	4.228	4.09%	12.62%
	Average	-100.443	-100.491	0.048	-0.06%	4.11%
	Min	-104.167	-104.543	-4.261	-4.21%	0.61%
	Std Dev	1.431	1.688	1.849	1.83%	3.54%



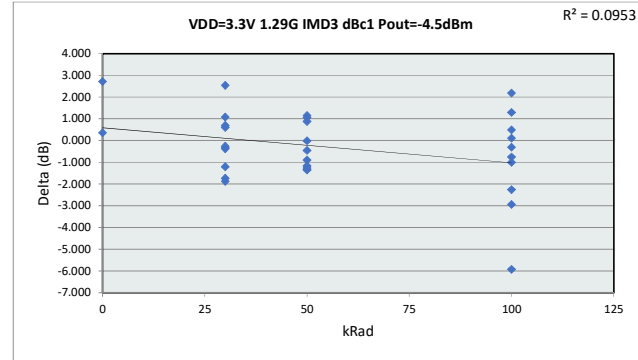
VDD=3.3V 1.29G IMD3 dBFs2				
Test Site				
Tester				
Test Number				
Max Limit	-83.61320606		dB	
Min Limit	-117.368769		dB	
kRad	0	30	50	100
LL	-117.369	-117.369	-117.369	-117.369
Min	-104.543	-102.641	-102.648	-103.900
Average	-102.651	-100.223	-100.303	-100.515
Max	-100.759	-98.573	-98.268	-97.600
UL	-83.613	-83.613	-83.613	-83.613



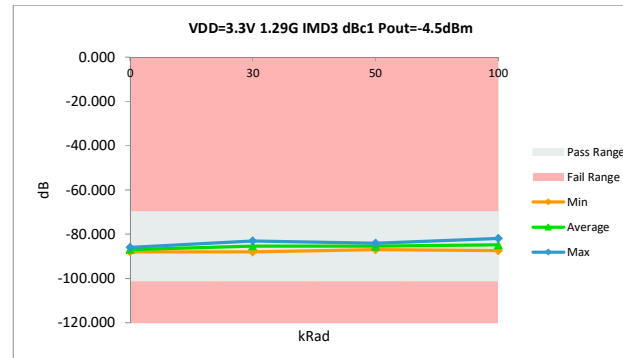
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G IMD3 dBc1 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-69.67419563	-69.67419563
Min Limit	-100.9700586	-100.9700586

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-85.218	-87.936	2.718	-3.19%	8.68%
0	C2	-85.585	-85.944	0.359	-0.42%	1.15%
30	1	-84.589	-84.210	-0.379	0.45%	1.21%
30	2	-85.394	-83.518	-1.876	2.20%	6.00%
30	3	-84.115	-84.805	0.690	-0.82%	2.21%
30	4	-86.590	-87.675	1.086	-1.25%	3.47%
30	5	-87.333	-87.070	-0.263	0.30%	0.84%
30	6 U	-85.474	-88.015	2.541	-2.97%	8.12%
30	7 U	-85.181	-84.842	-0.339	0.40%	1.08%
30	8 U	-85.870	-86.474	0.604	-0.70%	1.93%
30	9 U	-85.214	-84.011	-1.203	1.41%	3.85%
30	10 U	-84.773	-83.041	-1.732	2.04%	5.53%
50	11	-85.943	-87.003	1.059	-1.23%	3.38%
50	12	-85.759	-86.912	1.153	-1.34%	3.68%
50	13	-87.406	-86.088	-1.319	1.51%	4.21%
50	14	-84.691	-84.238	-0.453	0.54%	1.45%
50	15	-85.031	-84.132	-0.898	1.06%	2.87%
50	16 U	-86.118	-84.863	-1.255	1.46%	4.01%
50	17 U	-87.249	-85.892	-1.357	1.56%	4.34%
50	18 U	-84.414	-84.400	-0.015	0.02%	0.05%
50	19 U	-85.173	-84.012	-1.161	1.36%	3.71%
50	20 U	-86.074	-86.952	0.879	-1.02%	2.81%
100	21	-89.300	-83.377	-5.923	6.63%	18.93%
100	22	-88.442	-87.442	-1.000	1.13%	3.20%
100	23	-83.511	-84.807	1.296	-1.55%	4.14%
100	24	-86.495	-86.187	-0.308	0.36%	0.98%
100	25	-85.401	-85.888	0.487	-0.57%	1.56%
100	26 U	-87.176	-84.238	-2.937	3.37%	9.39%
100	27 U	-83.043	-85.230	2.187	-2.63%	6.99%
100	28 U	-84.162	-81.909	-2.253	2.68%	7.20%
100	29 U	-86.307	-85.554	-0.753	0.87%	2.41%
100	30 U	-83.530	-83.643	0.113	-0.14%	0.36%
	Max	-83.043	-81.909	2.718	6.63%	18.93%
	Average	-85.643	-85.322	-0.320	0.36%	4.05%
	Min	-89.300	-88.015	-5.923	-3.19%	0.05%
	Std Dev	1.399	1.565	1.693	1.95%	3.66%



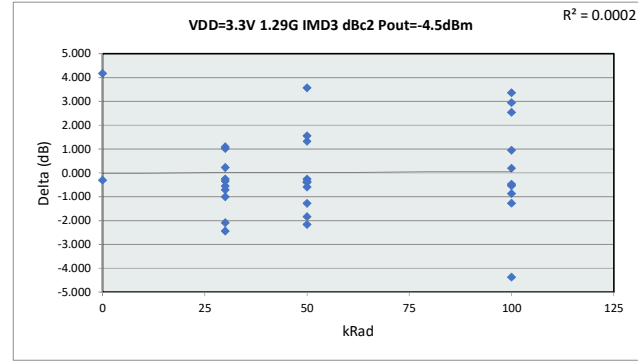
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Test Site				
Tester				
Test Number				
Max Limit	-69.67419563		dB	
Min Limit	-100.9700586		dB	
kRad	0	30	50	100
LL	-100.970	-100.970	-100.970	-100.970
Min	-87.936	-88.015	-87.003	-87.442
Average	-86.940	-85.366	-85.449	-84.828
Max	-85.944	-83.041	-84.012	-81.909
UL	-69.674	-69.674	-69.674	-69.674



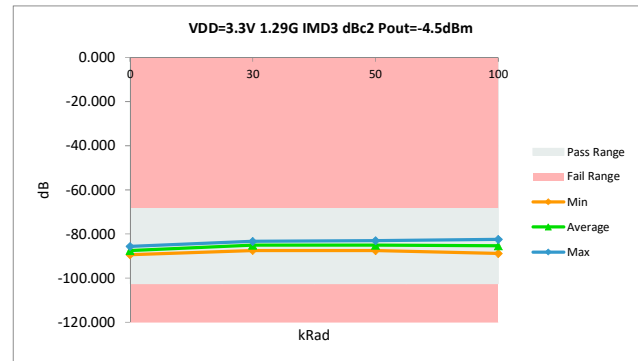
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G IMD3 dBc2 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-68.22441143	-68.22441143
Min Limit	-102.4191032	-102.4191032

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-85.209	-89.383	4.174	-4.90%	12.21%
0	C2	-85.916	-85.616	-0.300	0.35%	0.88%
30	1	-84.473	-83.917	-0.556	0.66%	1.62%
30	2	-84.704	-84.362	-0.341	0.40%	1.00%
30	3	-83.939	-85.030	1.091	-1.30%	3.19%
30	4	-87.261	-87.485	0.224	-0.26%	0.65%
30	5	-86.806	-85.804	-1.002	1.15%	2.93%
30	6 U	-85.468	-84.765	-0.704	0.82%	2.06%
30	7 U	-85.476	-83.387	-2.089	2.44%	6.11%
30	8 U	-86.724	-84.283	-2.442	2.82%	7.14%
30	9 U	-84.790	-84.537	-0.254	0.30%	0.74%
30	10 U	-85.803	-86.829	1.026	-1.20%	3.00%
50	11	-85.363	-84.768	-0.595	0.70%	1.74%
50	12	-86.646	-86.392	-0.254	0.29%	0.74%
50	13	-85.303	-84.901	-0.403	0.47%	1.18%
50	14	-84.212	-83.853	-0.359	0.43%	1.05%
50	15	-84.318	-83.036	-1.282	1.52%	3.75%
50	16 U	-86.655	-84.817	-1.838	2.12%	5.38%
50	17 U	-84.580	-86.137	1.557	-1.84%	4.55%
50	18 U	-84.057	-85.381	1.324	-1.58%	3.87%
50	19 U	-86.681	-84.517	-2.164	2.50%	6.33%
50	20 U	-83.948	-87.517	3.569	-4.25%	10.44%
100	21	-89.034	-84.665	-4.369	4.91%	12.78%
100	22	-88.599	-87.330	-1.270	1.43%	3.71%
100	23	-84.204	-83.335	-0.869	1.03%	2.54%
100	24	-85.467	-88.828	3.361	-3.93%	9.83%
100	25	-85.245	-88.185	2.940	-3.45%	8.60%
100	26 U	-85.077	-84.605	-0.471	0.55%	1.38%
100	27 U	-83.209	-84.162	0.953	-1.14%	2.79%
100	28 U	-82.935	-82.400	-0.535	0.65%	1.57%
100	29 U	-83.775	-86.313	2.538	-3.03%	7.42%
100	30 U	-83.565	-83.757	0.192	-0.23%	0.56%
	Max	-82.935	-82.400	4.174	4.91%	12.78%
	Average	-85.295	-85.322	0.027	-0.05%	4.12%
	Min	-89.034	-89.383	-4.369	-4.90%	0.56%
	Std Dev	1.448	1.710	1.873	2.18%	3.54%



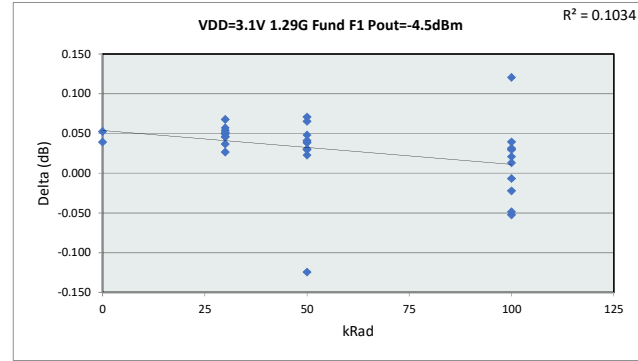
VDD=3.3V 1.29G IMD3 dBc2 Pout=-4.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-68.22441143		dB	
Min Limit	-102.4191032		dB	
kRad	0	30	50	100
LL	-102.419	-102.419	-102.419	-102.419
Min	-89.383	-87.485	-87.517	-88.828
Average	-87.499	-85.040	-85.132	-85.358
Max	-85.616	-83.387	-83.036	-82.400
UL	-68.224	-68.224	-68.224	-68.224



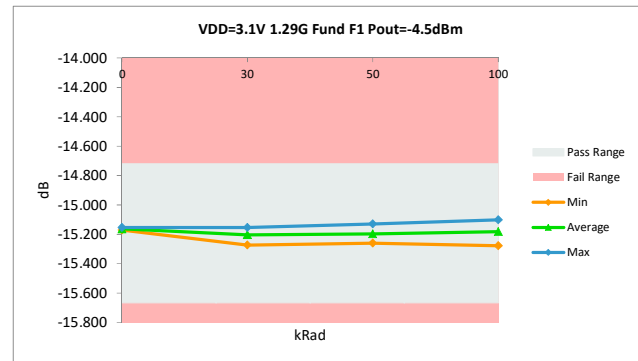
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G Fund F1 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.71653523	-14.71653523
Min Limit	-15.6663631	-15.6663631

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.119	-15.171	0.052	-0.35%	5.50%
0	C2	-15.115	-15.154	0.039	-0.26%	4.10%
30	1	-15.211	-15.268	0.057	-0.37%	5.99%
30	2	-15.141	-15.186	0.046	-0.30%	4.81%
30	3	-15.171	-15.217	0.045	-0.30%	4.79%
30	4	-15.138	-15.175	0.037	-0.24%	3.86%
30	5	-15.161	-15.187	0.026	-0.17%	2.76%
30	6 U	-15.090	-15.157	0.067	-0.45%	7.09%
30	7 U	-15.153	-15.207	0.054	-0.36%	5.68%
30	8 U	-15.151	-15.201	0.050	-0.33%	5.26%
30	9 U	-15.222	-15.273	0.051	-0.34%	5.39%
30	10 U	-15.105	-15.154	0.049	-0.32%	5.16%
50	11	-15.107	-15.129	0.022	-0.15%	2.36%
50	12	-15.156	-15.186	0.030	-0.20%	3.19%
50	13	-15.143	-15.181	0.038	-0.25%	4.02%
50	14	-15.225	-15.255	0.030	-0.19%	3.11%
50	15	-15.219	-15.260	0.041	-0.27%	4.30%
50	16 U	-15.124	-15.172	0.048	-0.32%	5.04%
50	17 U	-15.163	-15.234	0.071	-0.47%	7.44%
50	18 U	-15.188	-15.226	0.039	-0.25%	4.07%
50	19 U	-15.105	-15.170	0.065	-0.43%	6.85%
50	20 U	-15.277	-15.152	-0.125	0.82%	13.13%
100	21	-15.144	-15.265	0.120	-0.80%	12.68%
100	22	-15.179	-15.172	-0.007	0.05%	0.73%
100	23	-15.135	-15.113	-0.023	0.15%	2.37%
100	24	-15.154	-15.102	-0.053	0.35%	5.53%
100	25	-15.186	-15.137	-0.049	0.32%	5.14%
100	26 U	-15.153	-15.184	0.031	-0.21%	3.28%
100	27 U	-15.249	-15.278	0.029	-0.19%	3.08%
100	28 U	-15.183	-15.222	0.039	-0.26%	4.12%
100	29 U	-15.131	-15.144	0.013	-0.08%	1.35%
100	30 U	-15.174	-15.194	0.021	-0.14%	2.18%
	Max	-15.090	-15.102	0.120	0.82%	13.13%
	Average	-15.162	-15.191	0.030	-0.20%	4.82%
	Min	-15.277	-15.278	-0.125	-0.80%	0.73%
	Std Dev	0.044	0.047	0.043	0.29%	2.65%



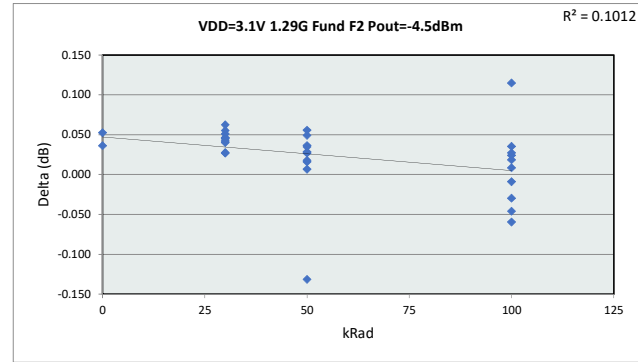
VDD=3.1V 1.29G Fund F1 Pout=-				
Test Site				
Tester				
Test Number				
Unit	dB	dB	dB	dB
Max Limit	-14.71653523	-14.71653523	-14.71653523	-14.71653523
Min Limit	-15.6663631	-15.6663631	-15.6663631	-15.6663631
kRad	0	30	50	100
LL	-15.666	-15.666	-15.666	-15.666
Min	-15.171	-15.273	-15.260	-15.278
Average	-15.162	-15.202	-15.197	-15.181
Max	-15.154	-15.154	-15.129	-15.102
UL	-14.717	-14.717	-14.717	-14.717



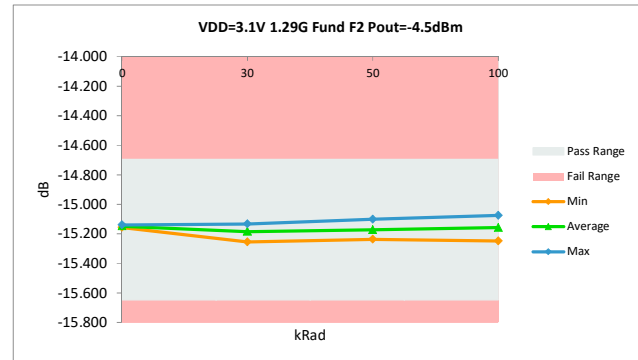
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G Fund F2 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.69290953	-14.69290953
Min Limit	-15.64761443	-15.64761443

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.104	-15.157	0.052	-0.35%	5.50%
0	C2	-15.104	-15.140	0.036	-0.24%	3.76%
30	1	-15.199	-15.254	0.055	-0.36%	5.75%
30	2	-15.127	-15.172	0.046	-0.30%	4.79%
30	3	-15.155	-15.198	0.042	-0.28%	4.41%
30	4	-15.127	-15.155	0.027	-0.18%	2.86%
30	5	-15.145	-15.171	0.027	-0.18%	2.80%
30	6 U	-15.078	-15.141	0.062	-0.41%	6.51%
30	7 U	-15.139	-15.190	0.051	-0.34%	5.34%
30	8 U	-15.137	-15.177	0.040	-0.26%	4.19%
30	9 U	-15.210	-15.256	0.046	-0.30%	4.80%
30	10 U	-15.088	-15.133	0.045	-0.30%	4.71%
50	11	-15.095	-15.102	0.007	-0.04%	0.69%
50	12	-15.143	-15.159	0.016	-0.10%	1.66%
50	13	-15.130	-15.158	0.028	-0.19%	2.97%
50	14	-15.211	-15.229	0.018	-0.12%	1.86%
50	15	-15.203	-15.237	0.035	-0.23%	3.62%
50	16 U	-15.113	-15.149	0.036	-0.24%	3.80%
50	17 U	-15.154	-15.209	0.055	-0.37%	5.81%
50	18 U	-15.177	-15.204	0.027	-0.18%	2.80%
50	19 U	-15.094	-15.143	0.049	-0.32%	5.14%
50	20 U	-15.263	-15.131	-0.132	0.86%	13.79%
100	21	-15.126	-15.241	0.115	-0.76%	12.01%
100	22	-15.160	-15.151	-0.009	0.06%	0.94%
100	23	-15.118	-15.088	-0.030	0.20%	3.12%
100	24	-15.135	-15.076	-0.060	0.39%	6.24%
100	25	-15.164	-15.118	-0.046	0.30%	4.83%
100	26 U	-15.141	-15.168	0.027	-0.18%	2.83%
100	27 U	-15.225	-15.249	0.024	-0.16%	2.52%
100	28 U	-15.165	-15.201	0.035	-0.23%	3.70%
100	29 U	-15.112	-15.121	0.008	-0.06%	0.88%
100	30 U	-15.155	-15.173	0.018	-0.12%	1.92%
	Max	-15.078	-15.076	0.115	0.86%	13.79%
	Average	-15.147	-15.170	0.023	-0.16%	4.27%
	Min	-15.263	-15.256	-0.132	-0.76%	0.69%
	Std Dev	0.043	0.048	0.043	0.28%	2.77%



VDD=3.1V 1.29G Fund F2 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-14.69290953		dB	
Min Limit	-15.64761443		dB	
kRad	0	30	50	100
LL	-15.648	-15.648	-15.648	-15.648
Min	-15.157	-15.256	-15.237	-15.249
Average	-15.148	-15.185	-15.172	-15.158
Max	-15.140	-15.133	-15.102	-15.076
UL	-14.693	-14.693	-14.693	-14.693

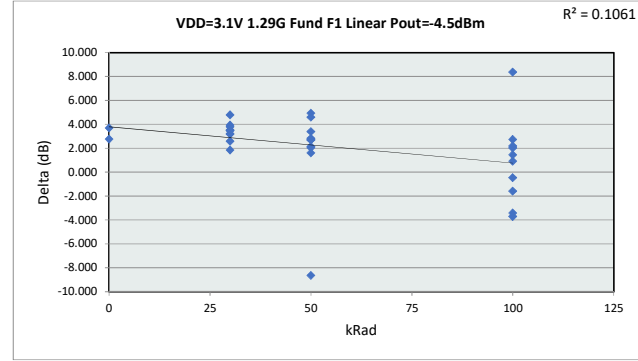


QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G Fund F1 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	335.6551956	335.6551956
Min Limit	269.5605408	269.5605408

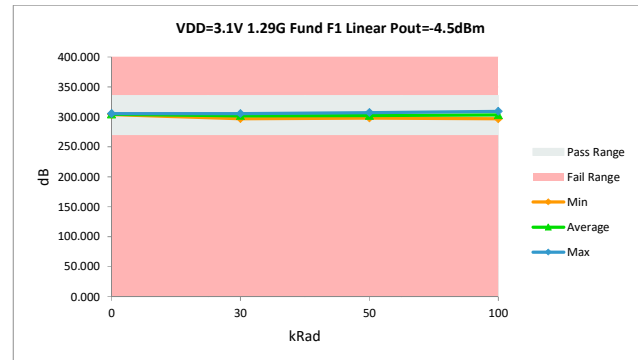
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	307.706	304.027	3.679	1.20%	5.57%
0	C2	307.956	305.208	2.748	0.89%	4.16%
30	1	301.257	297.334	3.924	1.30%	5.94%
30	2	306.138	302.935	3.203	1.05%	4.85%
30	3	304.002	300.835	3.167	1.04%	4.79%
30	4	306.307	303.734	2.573	0.84%	3.89%
30	5	304.735	302.898	1.837	0.60%	2.78%
30	6 U	309.765	304.998	4.767	1.54%	7.21%
30	7 U	305.275	301.503	3.772	1.24%	5.71%
30	8 U	305.443	301.950	3.493	1.14%	5.28%
30	9 U	300.462	296.942	3.520	1.17%	5.33%
30	10 U	308.676	305.212	3.464	1.12%	5.24%
50	11	308.557	306.966	1.591	0.52%	2.41%
50	12	305.091	302.970	2.122	0.70%	3.21%
50	13	306.013	303.334	2.679	0.88%	4.05%
50	14	300.251	298.215	2.036	0.68%	3.08%
50	15	300.685	297.868	2.817	0.94%	4.26%
50	16 U	307.322	303.952	3.370	1.10%	5.10%
50	17 U	304.557	299.641	4.916	1.61%	7.44%
50	18 U	302.853	300.172	2.681	0.89%	4.06%
50	19 U	308.643	304.056	4.587	1.49%	6.94%
50	20 U	296.698	305.343	-8.645	-2.91%	13.08%
100	21	305.897	297.533	8.364	2.73%	12.65%
100	22	303.434	303.918	-0.485	-0.16%	0.73%
100	23	306.537	308.129	-1.593	-0.52%	2.41%
100	24	305.194	308.907	-3.713	-1.22%	5.62%
100	25	302.979	306.404	-3.424	-1.13%	5.18%
100	26 U	305.260	303.079	2.181	0.71%	3.30%
100	27 U	298.621	296.615	2.005	0.67%	3.03%
100	28 U	303.213	300.491	2.722	0.90%	4.12%
100	29 U	306.809	305.904	0.904	0.29%	1.37%
100	30 U	303.820	302.378	1.442	0.47%	2.18%
	Max	309.765	308.907	8.364	2.73%	13.08%
	Average	304.692	302.608	2.085	0.68%	4.84%
	Min	296.698	296.615	-8.645	-2.91%	0.73%
	Std Dev	3.078	3.305	3.023	1.00%	2.64%



VDD=3.1V 1.29G Fund F1 Linear

Test Site		
Tester		
Test Number		
Max Limit	335.6551956	dB
Min Limit	269.5605408	dB

kRad	0	30	50	100
LL	269.561	269.561	269.561	269.561
Min	304.027	296.942	297.868	296.615
Average	304.617	301.834	302.252	303.336
Max	305.208	305.212	306.966	308.907
UL	335.655	335.655	335.655	335.655

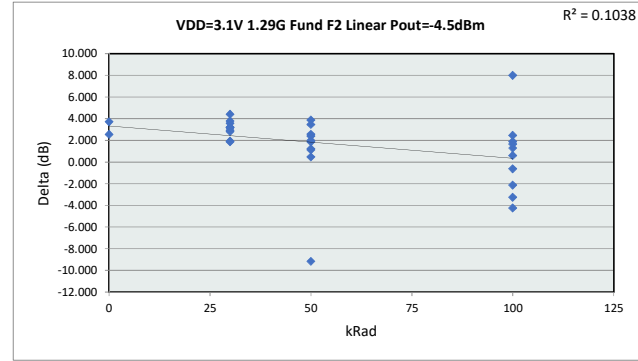


QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G Fund F2 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	337.4854949	337.4854949
Min Limit	270.6903912	270.6903912

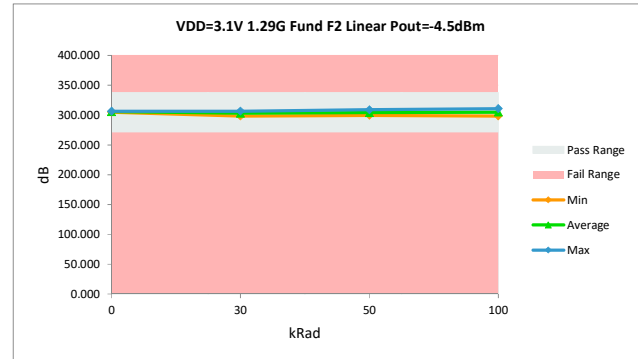
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	308.738	305.030	3.708	1.20%	5.55%
0	C2	308.758	306.217	2.541	0.82%	3.80%
30	1	302.090	298.294	3.796	1.26%	5.68%
30	2	307.135	303.916	3.219	1.05%	4.82%
30	3	305.110	302.165	2.945	0.97%	4.41%
30	4	307.085	305.160	1.926	0.63%	2.88%
30	5	305.864	303.987	1.877	0.61%	2.81%
30	6 U	310.568	306.152	4.416	1.42%	6.61%
30	7 U	306.259	302.686	3.573	1.17%	5.35%
30	8 U	306.388	303.579	2.810	0.92%	4.21%
30	9 U	301.314	298.148	3.166	1.05%	4.74%
30	10 U	309.890	306.699	3.191	1.03%	4.78%
50	11	309.386	308.915	0.470	0.15%	0.70%
50	12	305.994	304.882	1.112	0.36%	1.66%
50	13	306.910	304.915	1.994	0.65%	2.99%
50	14	301.221	299.995	1.227	0.41%	1.84%
50	15	301.817	299.427	2.390	0.79%	3.58%
50	16 U	308.105	305.542	2.564	0.83%	3.84%
50	17 U	305.222	301.351	3.871	1.27%	5.80%
50	18 U	303.590	301.725	1.865	0.61%	2.79%
50	19 U	309.452	305.977	3.474	1.12%	5.20%
50	20 U	297.640	306.803	-9.163	-3.08%	13.72%
100	21	307.167	299.164	8.003	2.61%	11.98%
100	22	304.761	305.389	-0.628	-0.21%	0.94%
100	23	307.761	309.882	-2.121	-0.69%	3.18%
100	24	306.543	310.773	-4.231	-1.38%	6.33%
100	25	304.494	307.742	-3.248	-1.07%	4.86%
100	26 U	306.157	304.256	1.900	0.62%	2.85%
100	27 U	300.292	298.634	1.658	0.55%	2.48%
100	28 U	304.418	301.953	2.465	0.81%	3.69%
100	29 U	308.169	307.573	0.596	0.19%	0.89%
100	30 U	305.166	303.883	1.283	0.42%	1.92%
	Max	310.568	310.773	8.003	2.61%	13.72%
	Average	305.733	304.088	1.645	0.53%	4.28%
	Min	297.640	298.148	-9.163	-3.08%	0.70%
	Std Dev	3.026	3.340	3.006	0.99%	2.76%



VDD=3.1V 1.29G Fund F2 Linear

Test Site		
Tester		
Test Number		
Max Limit	337.4854949	dB
Min Limit	270.6903912	dB

kRad	0	30	50	100
LL	270.690	270.690	270.690	270.690
Min	305.030	298.148	299.427	298.634
Average	305.623	303.079	303.953	304.925
Max	306.217	306.699	308.915	310.773
UL	337.485	337.485	337.485	337.485

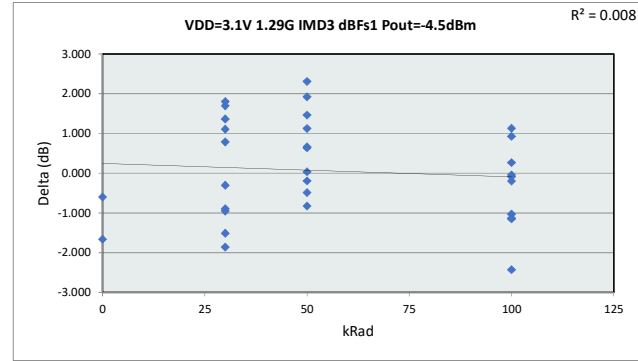


QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G IMD3 dBFs1 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-82.79464216	-82.79464216
Min Limit	-116.9783772	-116.9783772

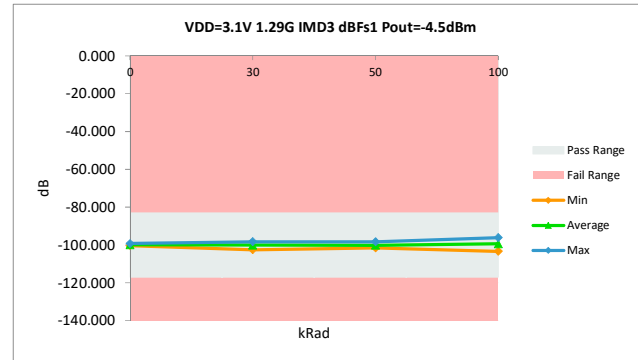
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-102.124	-100.455	-1.669	1.63%	4.88%
0	C2	-99.875	-99.273	-0.602	0.60%	1.76%
30	1	-99.093	-98.784	-0.310	0.31%	0.91%
30	2	-100.601	-99.645	-0.956	0.95%	2.80%
30	3	-100.276	-98.759	-1.517	1.51%	4.44%
30	4	-100.905	-101.686	0.782	-0.77%	2.29%
30	5	-100.841	-102.535	1.694	-1.68%	4.96%
30	6 U	-100.848	-101.952	1.105	-1.10%	3.23%
30	7 U	-99.730	-98.830	-0.900	0.90%	2.63%
30	8 U	-98.807	-100.165	1.358	-1.37%	3.97%
30	9 U	-100.104	-98.241	-1.863	1.86%	5.45%
30	10 U	-98.992	-100.790	1.799	-1.82%	5.26%
50	11	-99.047	-98.852	-0.195	0.20%	0.57%
50	12	-98.706	-100.624	1.918	-1.94%	5.61%
50	13	-99.351	-100.474	1.123	-1.13%	3.29%
50	14	-98.894	-98.404	-0.490	0.50%	1.43%
50	15	-99.008	-99.642	0.634	-0.64%	1.85%
50	16 U	-99.311	-101.616	2.305	-2.32%	6.74%
50	17 U	-101.716	-100.888	-0.828	0.81%	2.42%
50	18 U	-98.840	-99.500	0.660	-0.67%	1.93%
50	19 U	-101.140	-101.171	0.031	-0.03%	0.09%
50	20 U	-98.955	-100.417	1.462	-1.48%	4.28%
100	21	-102.964	-100.528	-2.437	2.37%	7.13%
100	22	-101.700	-102.826	1.126	-1.11%	3.29%
100	23	-98.597	-97.443	-1.153	1.17%	3.37%
100	24	-99.777	-99.574	-0.203	0.20%	0.59%
100	25	-102.469	-103.393	0.924	-0.90%	2.70%
100	26 U	-100.311	-100.570	0.259	-0.26%	0.76%
100	27 U	-98.190	-98.144	-0.047	0.05%	0.14%
100	28 U	-97.290	-96.153	-1.137	1.17%	3.33%
100	29 U	-98.531	-98.441	-0.090	0.09%	0.26%
100	30 U	-97.626	-96.594	-1.032	1.06%	3.02%
	Max	-97.290	-96.153	2.305	2.37%	7.13%
	Average	-99.832	-99.887	0.055	-0.06%	2.98%
	Min	-102.964	-103.393	-2.437	-2.32%	0.09%
	Std Dev	1.395	1.709	1.225	1.22%	1.92%



VDD=3.1V 1.29G IMD3 dBFs1

Test Site			
Tester			
Test Number			
Max Limit	-82.79464216	dB	
Min Limit	-116.9783772	dB	

kRad	0	30	50	100
LL	-116.978	-116.978	-116.978	-116.978
Min	-100.455	-102.535	-101.616	-103.393
Average	-99.864	-100.139	-100.159	-99.367
Max	-99.273	-98.241	-98.404	-96.153
UL	-82.795	-82.795	-82.795	-82.795

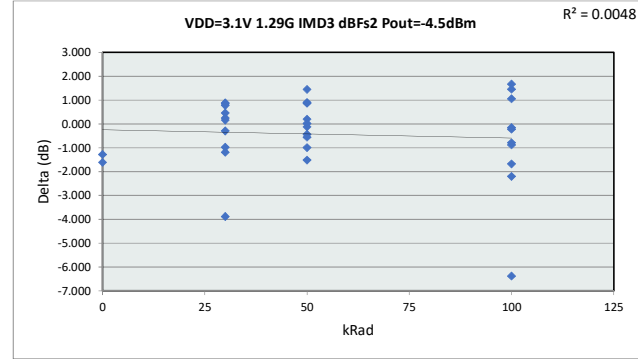


QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G IMD3 dBFs2 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-84.17019869	-84.17019869
Min Limit	-114.6783473	-114.6783473

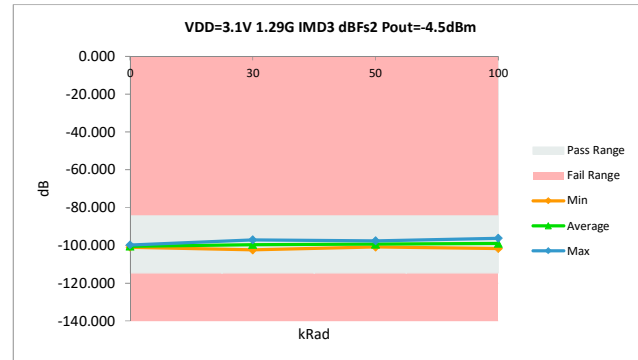
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-102.683	-101.069	-1.614	1.57%	5.29%
0	C2	-101.081	-99.800	-1.282	1.27%	4.20%
30	1	-97.619	-98.473	0.855	-0.88%	2.80%
30	2	-97.939	-98.185	0.246	-0.25%	0.81%
30	3	-100.239	-99.052	-1.187	1.18%	3.89%
30	4	-102.723	-102.432	-0.291	0.28%	0.95%
30	5	-102.463	-101.485	-0.978	0.95%	3.21%
30	6 U	-101.365	-101.825	0.460	-0.45%	1.51%
30	7 U	-98.782	-99.669	0.887	-0.90%	2.91%
30	8 U	-101.054	-97.172	-3.882	3.84%	12.72%
30	9 U	-98.791	-99.572	0.780	-0.79%	2.56%
30	10 U	-98.282	-98.440	0.158	-0.16%	0.52%
50	11	-99.055	-98.935	-0.120	0.12%	0.39%
50	12	-101.059	-99.542	-1.517	1.50%	4.97%
50	13	-100.650	-100.216	-0.433	0.43%	1.42%
50	14	-98.101	-99.001	0.900	-0.92%	2.95%
50	15	-98.241	-97.687	-0.554	0.56%	1.82%
50	16 U	-99.558	-99.580	0.022	-0.02%	0.07%
50	17 U	-100.946	-99.951	-0.995	0.99%	3.26%
50	18 U	-97.160	-98.609	1.449	-1.49%	4.75%
50	19 U	-98.630	-99.495	0.866	-0.88%	2.84%
50	20 U	-100.707	-100.904	0.197	-0.20%	0.65%
100	21	-106.419	-100.036	-6.383	6.00%	20.92%
100	22	-101.360	-101.141	-0.219	0.22%	0.72%
100	23	-99.705	-97.508	-2.197	2.20%	7.20%
100	24	-98.868	-99.921	1.052	-1.06%	3.45%
100	25	-98.935	-100.611	1.676	-1.69%	5.49%
100	26 U	-100.339	-101.792	1.453	-1.45%	4.76%
100	27 U	-97.677	-96.795	-0.882	0.90%	2.89%
100	28 U	-97.896	-96.223	-1.673	1.71%	5.48%
100	29 U	-98.460	-98.310	-0.151	0.15%	0.49%
100	30 U	-98.935	-98.146	-0.789	0.80%	2.59%
	Max	-97.160	-96.223	1.676	6.00%	20.92%
	Average	-99.866	-99.424	-0.442	0.42%	3.70%
	Min	-106.419	-102.432	-6.383	-1.69%	0.07%
	Std Dev	1.966	1.525	1.619	1.58%	4.02%



VDD=3.1V 1.29G IMD3 dBFs2

Test Site		
Tester		
Test Number		
Max Limit	-84.17019869	dB
Min Limit	-114.6783473	dB

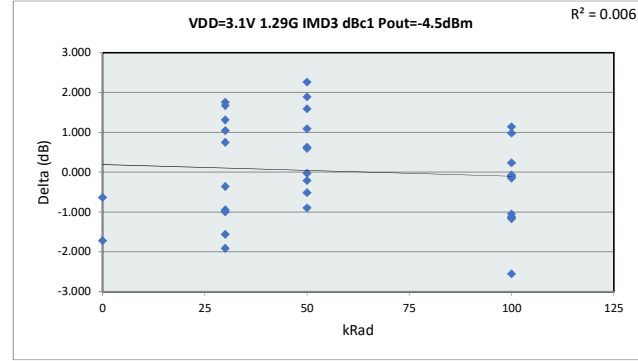
kRad	0	30	50	100
LL	-114.678	-114.678	-114.678	-114.678
Min	-101.069	-102.432	-100.904	-101.792
Average	-100.434	-99.630	-99.392	-99.048
Max	-99.800	-97.172	-97.687	-96.223
UL	-84.170	-84.170	-84.170	-84.170



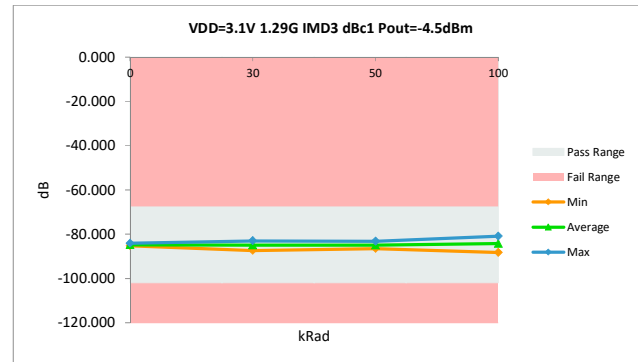
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G IMD3 dBc1 Pout=-4.5dBm		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-67.46637286	-67.46637286
Min Limit	-101.9237467	-101.9237467

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-87.005	-85.284	-1.721	1.98%	4.99%
0	C2	-84.760	-84.119	-0.641	0.76%	1.86%
30	1	-83.883	-83.516	-0.367	0.44%	1.06%
30	2	-85.460	-84.458	-1.002	1.17%	2.91%
30	3	-85.105	-83.542	-1.563	1.84%	4.54%
30	4	-85.766	-86.511	0.745	-0.87%	2.16%
30	5	-85.680	-87.348	1.668	-1.95%	4.84%
30	6 U	-85.758	-86.795	1.037	-1.21%	3.01%
30	7 U	-84.577	-83.623	-0.954	1.13%	2.77%
30	8 U	-83.656	-84.964	1.308	-1.56%	3.80%
30	9 U	-84.882	-82.968	-1.914	2.26%	5.56%
30	10 U	-83.887	-85.636	1.750	-2.09%	5.08%
50	11	-83.941	-83.723	-0.217	0.26%	0.63%
50	12	-83.550	-85.438	1.887	-2.26%	5.48%
50	13	-84.208	-85.293	1.085	-1.29%	3.15%
50	14	-83.669	-83.150	-0.520	0.62%	1.51%
50	15	-83.789	-84.382	0.593	-0.71%	1.72%
50	16 U	-84.187	-86.444	2.257	-2.68%	6.55%
50	17 U	-86.553	-85.654	-0.899	1.04%	2.61%
50	18 U	-83.653	-84.274	0.621	-0.74%	1.80%
50	19 U	-86.035	-86.001	-0.034	0.04%	0.10%
50	20 U	-83.678	-85.265	1.587	-1.90%	4.60%
100	21	-87.820	-85.263	-2.557	2.91%	7.42%
100	22	-86.520	-87.653	1.133	-1.31%	3.29%
100	23	-83.462	-82.331	-1.131	1.36%	3.28%
100	24	-84.622	-84.472	-0.151	0.18%	0.44%
100	25	-87.283	-88.256	0.973	-1.11%	2.82%
100	26 U	-85.158	-85.386	0.228	-0.27%	0.66%
100	27 U	-82.942	-82.865	-0.076	0.09%	0.22%
100	28 U	-82.107	-80.932	-1.176	1.43%	3.41%
100	29 U	-83.400	-83.297	-0.103	0.12%	0.30%
100	30 U	-82.453	-81.399	-1.053	1.28%	3.06%
	Max	-82.107	-80.932	2.257	2.91%	7.42%
	Average	-84.670	-84.695	0.025	-0.03%	2.99%
	Min	-87.820	-88.256	-2.557	-2.68%	0.10%
	Std Dev	1.407	1.723	1.238	1.46%	1.92%



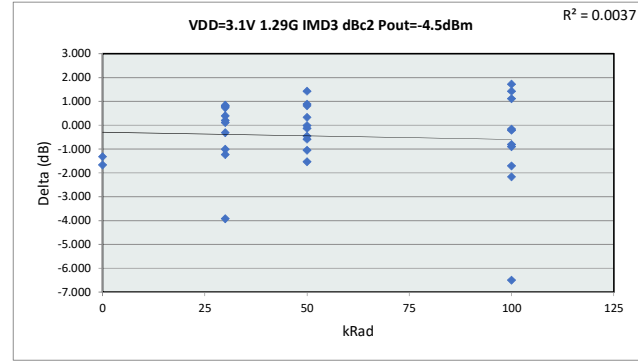
VDD=3.1V 1.29G IMD3 dBc1 Pout=-4.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-67.46637286			dB
Min Limit	-101.9237467			dB
kRad	0	30	50	100
LL	-101.924	-101.924	-101.924	-101.924
Min	-85.284	-87.348	-86.444	-88.256
Average	-84.702	-84.936	-84.962	-84.185
Max	-84.119	-82.968	-83.150	-80.932
UL	-67.466	-67.466	-67.466	-67.466



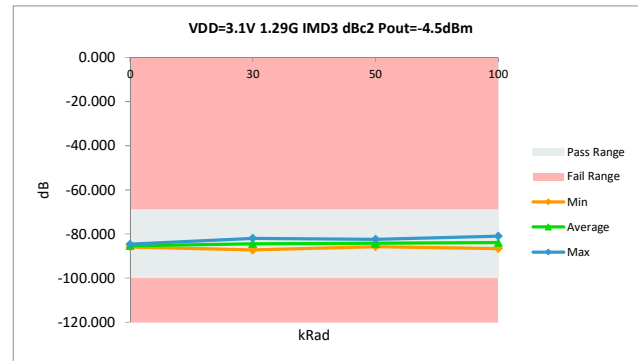
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G IMD3 dBc2 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-68.86856207	-68.86856207
Min Limit	-99.6394612	-99.6394612

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-87.579	-85.912	-1.666	1.90%	5.42%
0	C2	-85.977	-84.660	-1.318	1.53%	4.28%
30	1	-82.420	-83.220	0.800	-0.97%	2.60%
30	2	-82.812	-83.013	0.200	-0.24%	0.65%
30	3	-85.084	-83.854	-1.230	1.45%	4.00%
30	4	-87.596	-87.277	-0.318	0.36%	1.04%
30	5	-87.319	-86.314	-1.005	1.15%	3.27%
30	6 U	-86.286	-86.684	0.398	-0.46%	1.29%
30	7 U	-83.643	-84.479	0.836	-1.00%	2.72%
30	8 U	-85.916	-81.995	-3.922	4.56%	12.74%
30	9 U	-83.582	-84.316	0.735	-0.88%	2.39%
30	10 U	-83.194	-83.307	0.113	-0.14%	0.37%
50	11	-83.960	-83.833	-0.127	0.15%	0.41%
50	12	-85.916	-84.383	-1.532	1.78%	4.98%
50	13	-85.520	-85.058	-0.461	0.54%	1.50%
50	14	-82.890	-83.772	0.882	-1.06%	2.87%
50	15	-83.039	-82.450	-0.589	0.71%	1.91%
50	16 U	-84.445	-84.431	-0.014	0.02%	0.05%
50	17 U	-85.792	-84.742	-1.050	1.22%	3.41%
50	18 U	-81.983	-83.405	1.422	-1.73%	4.62%
50	19 U	-83.535	-84.352	0.817	-0.98%	2.65%
50	20 U	-85.444	-85.773	0.329	-0.39%	1.07%
100	21	-91.292	-84.795	-6.497	7.12%	21.11%
100	22	-86.199	-85.990	-0.210	0.24%	0.68%
100	23	-84.587	-82.420	-2.167	2.56%	7.04%
100	24	-83.733	-84.845	1.112	-1.33%	3.61%
100	25	-83.771	-85.493	1.722	-2.06%	5.60%
100	26 U	-85.199	-86.624	1.426	-1.67%	4.63%
100	27 U	-82.453	-81.547	-0.906	1.10%	2.94%
100	28 U	-82.731	-81.022	-1.709	2.07%	5.55%
100	29 U	-83.348	-83.189	-0.159	0.19%	0.52%
100	30 U	-83.780	-82.973	-0.807	0.96%	2.62%
	Max	-81.983	-81.022	1.722	7.12%	21.11%
	Average	-84.720	-84.254	-0.466	0.52%	3.70%
	Min	-91.292	-87.277	-6.497	-2.06%	0.05%
	Std Dev	1.978	1.539	1.635	1.87%	4.05%



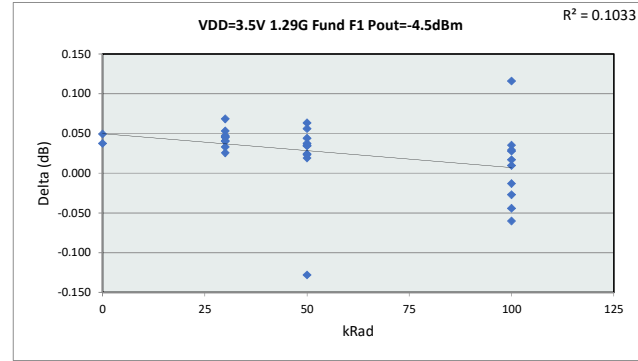
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Test Site				
Tester				
Test Number				
Max Limit	-68.86856207		dB	
Min Limit	-99.6394612		dB	
kRad	0	30	50	100
LL	-99.639	-99.639	-99.639	-99.639
Min	-85.912	-87.277	-85.773	-86.624
Average	-85.286	-84.446	-84.220	-83.890
Max	-84.660	-81.995	-82.450	-81.022
UL	-68.869	-68.869	-68.869	-68.869



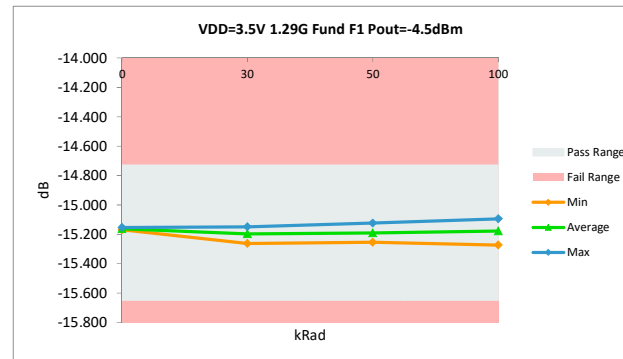
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G Fund F1 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.72483228	-14.72483228
Min Limit	-15.64828475	-15.64828475

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.120	-15.169	0.049	-0.32%	5.31%
0	C2	-15.116	-15.154	0.037	-0.25%	4.05%
30	1	-15.210	-15.257	0.047	-0.31%	5.10%
30	2	-15.138	-15.183	0.045	-0.30%	4.91%
30	3	-15.171	-15.211	0.040	-0.26%	4.34%
30	4	-15.139	-15.172	0.033	-0.22%	3.56%
30	5	-15.160	-15.186	0.025	-0.17%	2.76%
30	6 U	-15.089	-15.157	0.068	-0.45%	7.38%
30	7 U	-15.150	-15.203	0.053	-0.35%	5.74%
30	8 U	-15.151	-15.191	0.040	-0.27%	4.36%
30	9 U	-15.217	-15.262	0.045	-0.30%	4.88%
30	10 U	-15.103	-15.149	0.046	-0.30%	4.95%
50	11	-15.105	-15.124	0.019	-0.13%	2.06%
50	12	-15.160	-15.184	0.023	-0.15%	2.52%
50	13	-15.144	-15.178	0.034	-0.22%	3.69%
50	14	-15.224	-15.248	0.024	-0.16%	2.61%
50	15	-15.217	-15.254	0.037	-0.25%	4.04%
50	16 U	-15.119	-15.163	0.044	-0.29%	4.74%
50	17 U	-15.162	-15.225	0.063	-0.42%	6.82%
50	18 U	-15.183	-15.218	0.035	-0.23%	3.76%
50	19 U	-15.108	-15.164	0.056	-0.37%	6.05%
50	20 U	-15.276	-15.148	-0.128	0.84%	13.90%
100	21	-15.143	-15.259	0.116	-0.76%	12.54%
100	22	-15.182	-15.168	-0.013	0.09%	1.43%
100	23	-15.136	-15.109	-0.027	0.18%	2.95%
100	24	-15.155	-15.094	-0.060	0.40%	6.54%
100	25	-15.184	-15.140	-0.044	0.29%	4.81%
100	26 U	-15.153	-15.180	0.028	-0.18%	2.99%
100	27 U	-15.243	-15.273	0.029	-0.19%	3.15%
100	28 U	-15.182	-15.218	0.035	-0.23%	3.79%
100	29 U	-15.130	-15.139	0.009	-0.06%	1.02%
100	30 U	-15.174	-15.190	0.017	-0.11%	1.81%
	Max	-15.089	-15.094	0.116	0.84%	13.90%
	Average	-15.161	-15.187	0.026	-0.17%	4.64%
	Min	-15.276	-15.273	-0.128	-0.76%	1.02%
	Std Dev	0.043	0.046	0.043	0.28%	2.73%



VDD=3.5V 1.29G Fund F1 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-14.72483228		dB	
Min Limit	-15.64828475		dB	
kRad	0	30	50	100
LL	-15.648	-15.648	-15.648	-15.648
Min	-15.169	-15.262	-15.254	-15.273
Average	-15.161	-15.197	-15.191	-15.177
Max	-15.154	-15.149	-15.124	-15.094
UL	-14.725	-14.725	-14.725	-14.725

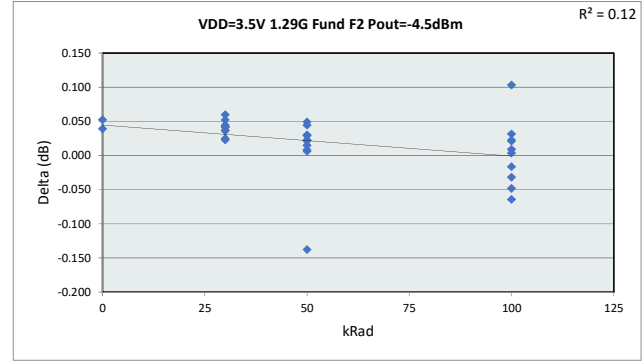


QMLP TID Report

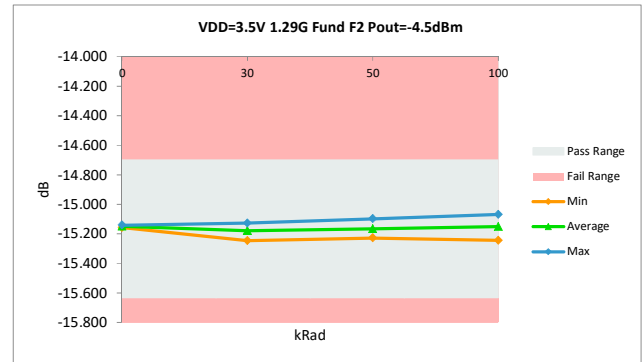
TRF0208 QMLP

VDD=3.5V 1.29G Fund F2 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.69567116	-14.69567116
Min Limit	-15.63309041	-15.63309041

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.106	-15.158	0.052	-0.34%	5.56%
0	C2	-15.102	-15.141	0.039	-0.26%	4.16%
30	1	-15.195	-15.247	0.052	-0.34%	5.52%
30	2	-15.125	-15.168	0.043	-0.28%	4.55%
30	3	-15.154	-15.190	0.037	-0.24%	3.92%
30	4	-15.126	-15.151	0.025	-0.16%	2.63%
30	5	-15.144	-15.167	0.023	-0.15%	2.42%
30	6 U	-15.077	-15.137	0.059	-0.39%	6.33%
30	7 U	-15.137	-15.182	0.044	-0.29%	4.72%
30	8 U	-15.136	-15.172	0.036	-0.24%	3.86%
30	9 U	-15.205	-15.247	0.042	-0.27%	4.43%
30	10 U	-15.087	-15.128	0.041	-0.27%	4.38%
50	11	-15.092	-15.098	0.006	-0.04%	0.63%
50	12	-15.146	-15.155	0.008	-0.05%	0.89%
50	13	-15.131	-15.152	0.021	-0.14%	2.27%
50	14	-15.207	-15.222	0.015	-0.10%	1.58%
50	15	-15.199	-15.228	0.029	-0.19%	3.10%
50	16 U	-15.109	-15.139	0.030	-0.20%	3.18%
50	17 U	-15.153	-15.202	0.049	-0.32%	5.23%
50	18 U	-15.172	-15.195	0.023	-0.15%	2.41%
50	19 U	-15.094	-15.139	0.044	-0.29%	4.72%
50	20 U	-15.262	-15.124	-0.138	0.90%	14.72%
100	21	-15.132	-15.235	0.103	-0.68%	10.99%
100	22	-15.162	-15.145	-0.017	0.11%	1.79%
100	23	-15.117	-15.085	-0.032	0.21%	3.40%
100	24	-15.134	-15.069	-0.065	0.43%	6.89%
100	25	-15.162	-15.114	-0.048	0.32%	5.13%
100	26 U	-15.138	-15.159	0.021	-0.14%	2.22%
100	27 U	-15.222	-15.245	0.022	-0.15%	2.39%
100	28 U	-15.164	-15.195	0.031	-0.21%	3.36%
100	29 U	-15.110	-15.113	0.003	-0.02%	0.37%
100	30 U	-15.151	-15.160	0.009	-0.06%	0.95%
	Max	-15.077	-15.069	0.103	0.90%	14.72%
	Average	-15.145	-15.164	0.019	-0.13%	4.02%
	Min	-15.262	-15.247	-0.138	-0.68%	0.37%
	Std Dev	0.042	0.047	0.043	0.28%	2.89%



VDD=3.5V 1.29G Fund F2 Pout=-				
Test Site				
Tester				
Test Number				
Max Limit	-14.69567116			dB
Min Limit	-15.63309041			dB
kRad	0	30	50	100
LL	-15.633	-15.633	-15.633	-15.633
Min	-15.158	-15.247	-15.228	-15.245
Average	-15.149	-15.179	-15.165	-15.152
Max	-15.141	-15.128	-15.098	-15.069
UL	-14.696	-14.696	-14.696	-14.696

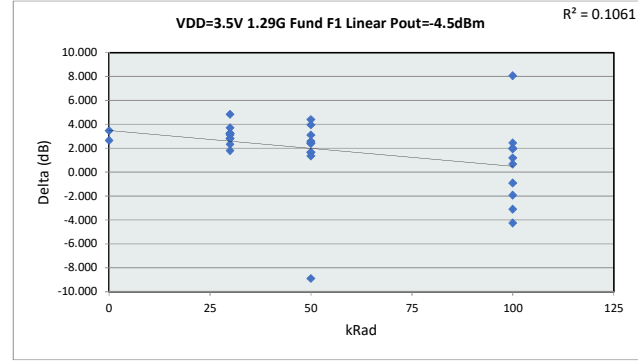


QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G Fund F1 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	335.1251967	335.1251967
Min Limit	270.7705476	270.7705476

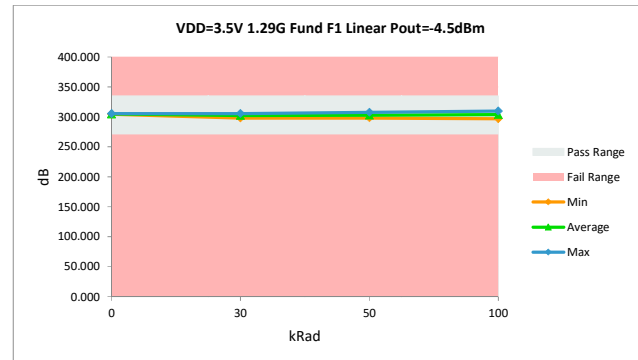
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	307.586	304.133	3.453	1.12%	5.37%
0	C2	307.877	305.239	2.637	0.86%	4.10%
30	1	301.282	298.031	3.251	1.08%	5.05%
30	2	306.335	303.150	3.185	1.04%	4.95%
30	3	304.030	301.239	2.791	0.92%	4.34%
30	4	306.260	303.948	2.311	0.75%	3.59%
30	5	304.762	302.981	1.781	0.58%	2.77%
30	6 U	309.828	305.007	4.821	1.56%	7.49%
30	7 U	305.465	301.758	3.707	1.21%	5.76%
30	8 U	305.447	302.626	2.821	0.92%	4.38%
30	9 U	300.802	297.699	3.103	1.03%	4.82%
30	10 U	308.796	305.563	3.233	1.05%	5.02%
50	11	308.684	307.338	1.346	0.44%	2.09%
50	12	304.760	303.131	1.629	0.53%	2.53%
50	13	305.942	303.554	2.388	0.78%	3.71%
50	14	300.336	298.675	1.661	0.55%	2.58%
50	15	300.809	298.233	2.576	0.86%	4.00%
50	16 U	307.684	304.600	3.084	1.00%	4.79%
50	17 U	304.641	300.253	4.388	1.44%	6.82%
50	18 U	303.153	300.738	2.415	0.80%	3.75%
50	19 U	308.447	304.504	3.942	1.28%	6.13%
50	20 U	296.743	305.642	-8.900	-3.00%	13.83%
100	21	305.962	297.910	8.051	2.63%	12.51%
100	22	303.283	304.209	-0.926	-0.31%	1.44%
100	23	306.485	308.415	-1.931	-0.63%	3.00%
100	24	305.174	309.446	-4.272	-1.40%	6.64%
100	25	303.114	306.228	-3.114	-1.03%	4.84%
100	26 U	305.305	303.371	1.935	0.63%	3.01%
100	27 U	298.989	296.990	1.999	0.67%	3.11%
100	28 U	303.215	300.779	2.437	0.80%	3.79%
100	29 U	306.933	306.267	0.666	0.22%	1.03%
100	30 U	303.843	302.673	1.170	0.39%	1.82%
	Max	309.828	309.446	8.051	2.63%	13.83%
	Average	304.749	302.948	1.801	0.59%	4.66%
	Min	296.743	296.990	-8.900	-3.00%	1.03%
	Std Dev	3.036	3.218	2.999	0.99%	2.72%



VDD=3.5V 1.29G Fund F1 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	335.1251967	335.1251967
Min Limit	270.7705476	270.7705476

kRad	0	30	50	100
LL	270.771	270.771	270.771	270.771
Min	304.133	297.699	298.233	296.990
Average	304.686	302.200	302.667	303.629
Max	305.239	305.563	307.338	309.446
UL	335.125	335.125	335.125	335.125

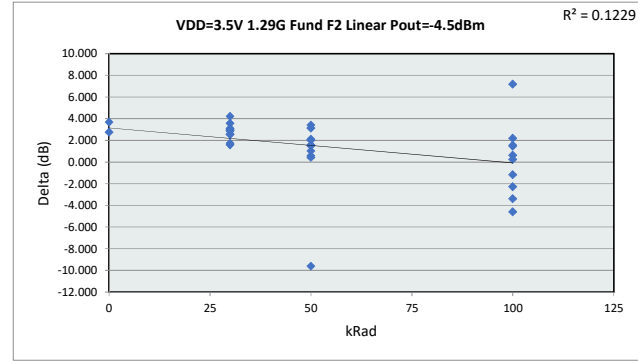


QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G Fund F2 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	337.3377168	337.3377168
Min Limit	271.6610339	271.6610339

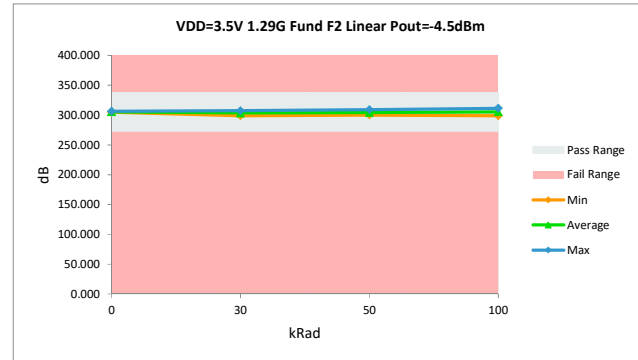
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	308.634	304.954	3.680	1.19%	5.60%
0	C2	308.874	306.112	2.762	0.89%	4.21%
30	1	302.344	298.765	3.578	1.18%	5.45%
30	2	307.239	304.236	3.003	0.98%	4.57%
30	3	305.231	302.662	2.569	0.84%	3.91%
30	4	307.153	305.417	1.736	0.57%	2.64%
30	5	305.885	304.294	1.591	0.52%	2.42%
30	6 U	310.649	306.436	4.213	1.36%	6.41%
30	7 U	306.379	303.272	3.108	1.01%	4.73%
30	8 U	306.493	303.950	2.543	0.83%	3.87%
30	9 U	301.623	298.753	2.870	0.95%	4.37%
30	10 U	309.981	307.064	2.917	0.94%	4.44%
50	11	309.617	309.194	0.424	0.14%	0.64%
50	12	305.747	305.161	0.586	0.19%	0.89%
50	13	306.828	305.330	1.497	0.49%	2.28%
50	14	301.503	300.479	1.024	0.34%	1.56%
50	15	302.091	300.075	2.016	0.67%	3.07%
50	16 U	308.410	306.297	2.113	0.69%	3.22%
50	17 U	305.278	301.854	3.424	1.12%	5.21%
50	18 U	303.918	302.344	1.575	0.52%	2.40%
50	19 U	309.423	306.288	3.136	1.01%	4.77%
50	20 U	297.716	307.325	-9.608	-3.23%	14.63%
100	21	306.771	299.577	7.194	2.35%	10.95%
100	22	304.639	305.817	-1.178	-0.39%	1.79%
100	23	307.817	310.087	-2.270	-0.74%	3.46%
100	24	306.644	311.241	-4.597	-1.50%	7.00%
100	25	304.640	308.034	-3.395	-1.11%	5.17%
100	26 U	306.345	304.880	1.465	0.48%	2.23%
100	27 U	300.461	298.912	1.549	0.52%	2.36%
100	28 U	304.522	302.324	2.198	0.72%	3.35%
100	29 U	308.331	308.086	0.245	0.08%	0.37%
100	30 U	305.388	304.760	0.627	0.21%	0.96%
	Max	310.649	311.241	7.194	2.35%	14.63%
	Average	305.830	304.499	1.331	0.43%	4.03%
	Min	297.716	298.753	-9.608	-3.23%	0.37%
	Std Dev	2.980	3.284	2.998	0.99%	2.88%



VDD=3.5V 1.29G Fund F2 Linear

Test Site		
Tester		
Test Number		
Max Limit	337.3377168	dB
Min Limit	271.6610339	dB

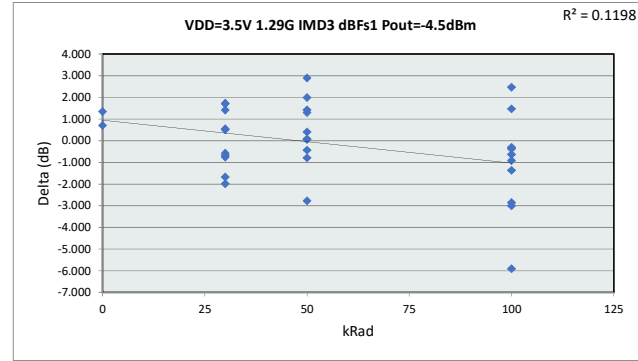
kRad	0	30	50	100
LL	271.661	271.661	271.661	271.661
Min	304.954	298.753	300.075	298.912
Average	305.533	303.485	304.435	305.372
Max	306.112	307.064	309.194	311.241
UL	337.338	337.338	337.338	337.338



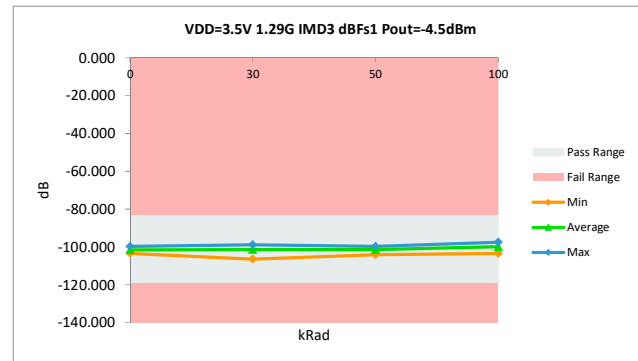
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G IMD3 dBFs1 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-83.15499385	-83.15499385
Min Limit	-118.6409275	-118.6409275

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-102.009	-103.343	1.333	-1.31%	3.76%
0	C2	-98.992	-99.689	0.697	-0.70%	1.97%
30	1	-100.845	-98.848	-1.997	1.98%	5.63%
30	2	-100.214	-99.533	-0.681	0.68%	1.92%
30	3	-99.633	-101.347	1.714	-1.72%	4.83%
30	4	-104.700	-106.391	1.690	-1.61%	4.76%
30	5	-101.763	-100.996	-0.767	0.75%	2.16%
30	6 U	-102.129	-102.668	0.539	-0.53%	1.52%
30	7 U	-100.854	-100.271	-0.582	0.58%	1.64%
30	8 U	-102.871	-101.188	-1.683	1.64%	4.74%
30	9 U	-100.490	-100.990	0.500	-0.50%	1.41%
30	10 U	-99.996	-101.405	1.409	-1.41%	3.97%
50	11	-99.708	-101.124	1.416	-1.42%	3.99%
50	12	-102.466	-102.862	0.395	-0.39%	1.11%
50	13	-102.469	-99.683	-2.786	2.72%	7.85%
50	14	-99.061	-100.352	1.291	-1.30%	3.64%
50	15	-99.866	-99.919	0.053	-0.05%	0.15%
50	16 U	-101.141	-100.693	-0.448	0.44%	1.26%
50	17 U	-102.089	-104.071	1.982	-1.94%	5.59%
50	18 U	-98.689	-101.575	2.886	-2.92%	8.13%
50	19 U	-102.054	-102.122	0.068	-0.07%	0.19%
50	20 U	-101.362	-100.560	-0.803	0.79%	2.26%
100	21	-104.745	-98.830	-5.916	5.65%	16.67%
100	22	-102.002	-103.462	1.460	-1.43%	4.12%
100	23	-100.766	-100.385	-0.380	0.38%	1.07%
100	24	-101.033	-100.397	-0.636	0.63%	1.79%
100	25	-103.247	-100.380	-2.867	2.78%	8.08%
100	26 U	-102.603	-99.585	-3.018	2.94%	8.50%
100	27 U	-97.525	-99.982	2.457	-2.52%	6.93%
100	28 U	-99.299	-98.990	-0.309	0.31%	0.87%
100	29 U	-100.950	-99.577	-1.373	1.36%	3.87%
100	30 U	-98.438	-97.518	-0.920	0.93%	2.59%
	Max	-97.525	-97.518	2.886	5.65%	16.67%
	Average	-101.063	-100.898	-0.165	0.15%	3.97%
	Min	-104.745	-106.391	-5.916	-2.92%	0.15%
	Std Dev	1.712	1.774	1.853	1.81%	3.35%



VDD=3.5V 1.29G IMD3 dBFs1				
Test Site				
Tester				
Test Number				
Max Limit	-83.15499385		dB	
Min Limit	-118.6409275		dB	
kRad	0	30	50	100
LL	-118.641	-118.641	-118.641	-118.641
Min	-103.343	-106.391	-104.071	-103.462
Average	-101.516	-101.364	-101.296	-99.911
Max	-99.689	-98.848	-99.683	-97.518
UL	-83.155	-83.155	-83.155	-83.155

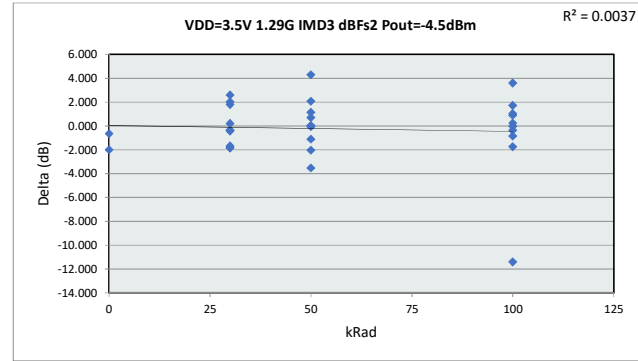


QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G IMD3 dBFs2 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-83.87412976	-83.87412976
Min Limit	-118.3230124	-118.3230124

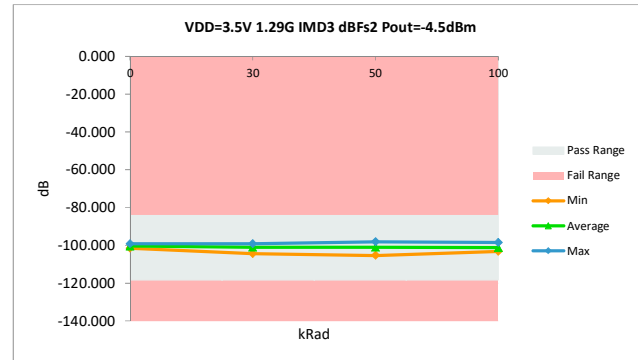
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-102.242	-101.590	-0.653	0.64%	1.89%
0	C2	-101.239	-99.233	-2.006	1.98%	5.82%
30	1	-98.720	-100.530	1.810	-1.83%	5.25%
30	2	-99.676	-99.334	-0.342	0.34%	0.99%
30	3	-100.866	-99.198	-1.669	1.65%	4.84%
30	4	-102.858	-102.440	-0.418	0.41%	1.21%
30	5	-102.441	-102.651	0.210	-0.20%	0.61%
30	6 U	-101.835	-104.429	2.594	-2.55%	7.53%
30	7 U	-99.429	-101.451	2.022	-2.03%	5.87%
30	8 U	-101.692	-99.877	-1.815	1.79%	5.27%
30	9 U	-102.204	-100.355	-1.849	1.81%	5.37%
30	10 U	-100.922	-100.532	-0.390	0.39%	1.13%
50	11	-101.647	-98.117	-3.530	3.47%	10.25%
50	12	-104.892	-102.868	-2.024	1.93%	5.88%
50	13	-100.355	-100.283	-0.071	0.07%	0.21%
50	14	-99.179	-101.248	2.069	-2.09%	6.01%
50	15	-98.852	-98.888	0.037	-0.04%	0.11%
50	16 U	-101.707	-101.718	0.012	-0.01%	0.03%
50	17 U	-101.625	-102.772	1.147	-1.13%	3.33%
50	18 U	-98.641	-99.345	0.703	-0.71%	2.04%
50	19 U	-101.350	-100.239	-1.111	1.10%	3.22%
50	20 U	-101.041	-105.347	4.306	-4.26%	12.50%
100	21	-114.596	-103.195	-11.402	9.95%	33.10%
100	22	-103.357	-101.615	-1.741	1.68%	5.05%
100	23	-100.083	-100.061	-0.022	0.02%	0.06%
100	24	-101.832	-102.726	0.894	-0.88%	2.60%
100	25	-102.224	-102.470	0.246	-0.24%	0.72%
100	26 U	-101.171	-100.822	-0.350	0.35%	1.02%
100	27 U	-98.962	-100.013	1.051	-1.06%	3.05%
100	28 U	-99.358	-98.517	-0.841	0.85%	2.44%
100	29 U	-99.028	-102.641	3.613	-3.65%	10.49%
100	30 U	-98.926	-100.647	1.721	-1.74%	5.00%
	Max	-98.641	-98.117	4.306	9.95%	33.10%
	Average	-101.342	-101.099	-0.244	0.19%	4.78%
	Min	-114.596	-105.347	-11.402	-4.26%	0.03%
	Std Dev	2.865	1.722	2.669	2.47%	6.08%



VDD=3.5V 1.29G IMD3 dBFs2

Test Site		
Tester		
Test Number		
Max Limit	-83.87412976	dB
Min Limit	-118.3230124	dB

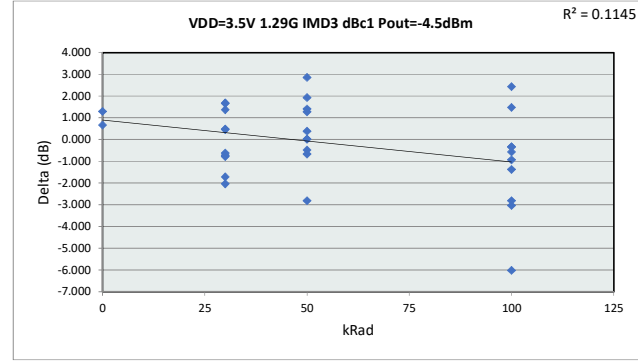
kRad	0	30	50	100
LL	-118.323	-118.323	-118.323	-118.323
Min	-101.590	-104.429	-105.347	-103.195
Average	-100.411	-101.080	-101.083	-101.271
Max	-99.233	-99.198	-98.117	-98.517
UL	-83.874	-83.874	-83.874	-83.874



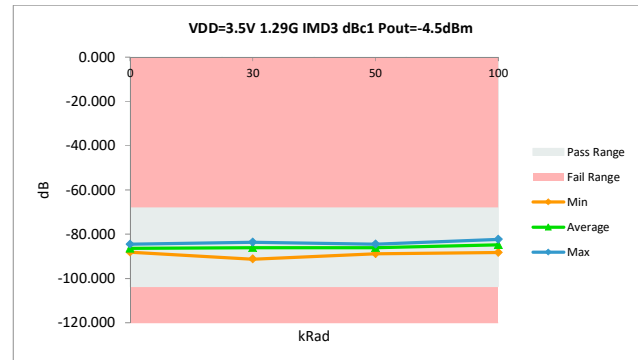
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G IMD3 dBc1 Po		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-67.88508504	-67.88508504
Min Limit	-103.5377188	-103.5377188

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-86.889	-88.173	1.284	-1.48%	3.60%
0	C2	-83.875	-84.536	0.660	-0.79%	1.85%
30	1	-85.634	-83.590	-2.044	2.39%	5.73%
30	2	-85.076	-84.350	-0.726	0.85%	2.04%
30	3	-84.462	-86.136	1.674	-1.98%	4.69%
30	4	-89.561	-91.219	1.658	-1.85%	4.65%
30	5	-86.602	-85.810	-0.792	0.91%	2.22%
30	6 U	-87.040	-87.511	0.471	-0.54%	1.32%
30	7 U	-85.703	-85.068	-0.635	0.74%	1.78%
30	8 U	-87.720	-85.997	-1.723	1.96%	4.83%
30	9 U	-85.273	-85.728	0.455	-0.53%	1.28%
30	10 U	-84.893	-86.256	1.363	-1.61%	3.82%
50	11	-84.603	-86.000	1.397	-1.65%	3.92%
50	12	-87.306	-87.678	0.372	-0.43%	1.04%
50	13	-87.325	-84.506	-2.820	3.23%	7.91%
50	14	-83.837	-85.104	1.267	-1.51%	3.55%
50	15	-84.649	-84.665	0.016	-0.02%	0.04%
50	16 U	-86.022	-85.530	-0.492	0.57%	1.38%
50	17 U	-86.927	-88.846	1.919	-2.21%	5.38%
50	18 U	-83.505	-86.357	2.852	-3.41%	8.00%
50	19 U	-86.946	-86.958	0.012	-0.01%	0.03%
50	20 U	-86.086	-85.412	-0.675	0.78%	1.89%
100	21	-89.602	-83.570	-6.031	6.73%	16.92%
100	22	-86.820	-88.294	1.474	-1.70%	4.13%
100	23	-85.630	-85.277	-0.353	0.41%	0.99%
100	24	-85.878	-85.303	-0.576	0.67%	1.61%
100	25	-88.063	-85.241	-2.823	3.21%	7.92%
100	26 U	-87.450	-84.405	-3.045	3.48%	8.54%
100	27 U	-82.281	-84.710	2.428	-2.95%	6.81%
100	28 U	-84.117	-83.773	-0.344	0.41%	0.97%
100	29 U	-85.820	-84.438	-1.382	1.61%	3.88%
100	30 U	-83.264	-82.328	-0.937	1.13%	2.63%
	Max	-82.281	-82.328	2.852	6.73%	16.92%
	Average	-85.902	-85.711	-0.191	0.20%	3.92%
	Min	-89.602	-91.219	-6.031	-3.41%	0.03%
	Std Dev	1.725	1.783	1.855	2.13%	3.39%



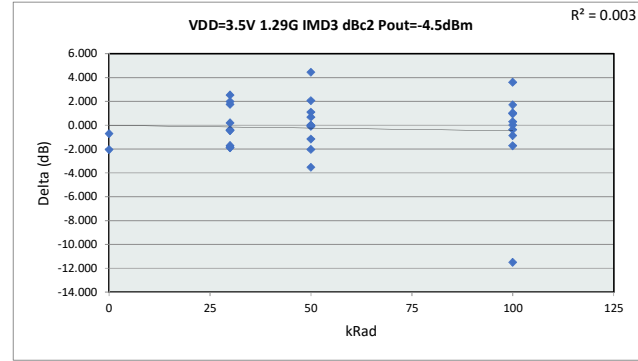
VDD=3.5V 1.29G IMD3 dBc1 P				
Test Site				
Tester				
Test Number				
Max Limit	-67.88508504		dB	
Min Limit	-103.5377188		dB	
kRad	0	30	50	100
LL	-103.538	-103.538	-103.538	-103.538
Min	-88.173	-91.219	-88.846	-88.294
Average	-86.354	-86.166	-86.105	-84.734
Max	-84.536	-83.590	-84.506	-82.328
UL	-67.885	-67.885	-67.885	-67.885



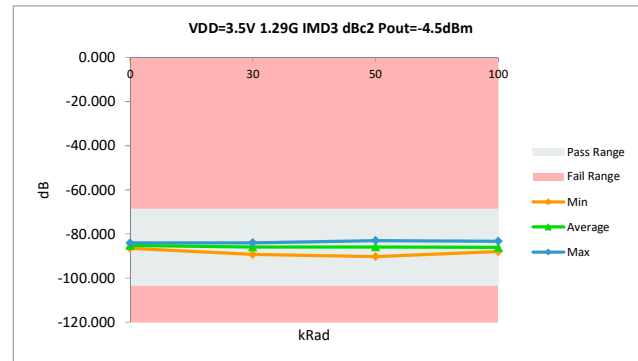
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G IMD3 dBc2 Po		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-68.59984929	-68.59984929
Min Limit	-103.2685313	-103.2685313

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-87.137	-86.432	-0.705	0.81%	2.03%
0	C2	-86.137	-84.092	-2.045	2.37%	5.90%
30	1	-83.525	-85.284	1.758	-2.11%	5.07%
30	2	-84.551	-84.166	-0.384	0.45%	1.11%
30	3	-85.713	-84.007	-1.705	1.99%	4.92%
30	4	-87.731	-87.289	-0.443	0.50%	1.28%
30	5	-87.297	-87.484	0.187	-0.21%	0.54%
30	6 U	-86.757	-89.292	2.535	-2.92%	7.31%
30	7 U	-84.292	-86.269	1.978	-2.35%	5.70%
30	8 U	-86.557	-84.705	-1.852	2.14%	5.34%
30	9 U	-86.998	-85.108	-1.890	2.17%	5.45%
30	10 U	-85.836	-85.404	-0.431	0.50%	1.24%
50	11	-86.555	-83.019	-3.536	4.09%	10.20%
50	12	-89.746	-87.713	-2.032	2.26%	5.86%
50	13	-85.224	-85.131	-0.093	0.11%	0.27%
50	14	-83.972	-86.026	2.054	-2.45%	5.92%
50	15	-83.653	-83.661	0.007	-0.01%	0.02%
50	16 U	-86.598	-86.580	-0.018	0.02%	0.05%
50	17 U	-86.472	-87.570	1.098	-1.27%	3.17%
50	18 U	-83.469	-84.150	0.681	-0.82%	1.96%
50	19 U	-86.256	-85.101	-1.155	1.34%	3.33%
50	20 U	-85.779	-90.223	4.444	-5.18%	12.82%
100	21	-99.465	-87.960	-11.505	11.57%	33.18%
100	22	-88.195	-86.470	-1.725	1.96%	4.97%
100	23	-84.966	-84.976	0.010	-0.01%	0.03%
100	24	-86.698	-87.657	0.959	-1.11%	2.77%
100	25	-87.061	-87.356	0.295	-0.34%	0.85%
100	26 U	-86.033	-85.663	-0.370	0.43%	1.07%
100	27 U	-83.740	-84.768	1.028	-1.23%	2.97%
100	28 U	-84.194	-83.322	-0.872	1.04%	2.52%
100	29 U	-83.918	-87.528	3.610	-4.30%	10.41%
100	30 U	-83.775	-85.487	1.712	-2.04%	4.94%
Max		-83.469	-83.019	4.444	11.57%	33.18%
Average		-86.197	-85.934	-0.263	0.23%	4.79%
Min		-99.465	-90.223	-11.505	-5.18%	0.02%
Std Dev		2.874	1.733	2.690	2.90%	6.09%



VDD=3.5V 1.29G IMD3 dBc2 P				
Test Site				
Tester				
Test Number				
Max Limit	-68.59984929		dB	
Min Limit	-103.2685313		dB	
kRad	0	30	50	100
LL	-103.269	-103.269	-103.269	-103.269
Min	-86.432	-89.292	-90.223	-87.960
Average	-85.262	-85.901	-85.917	-86.119
Max	-84.092	-84.007	-83.019	-83.322
UL	-68.600	-68.600	-68.600	-68.600

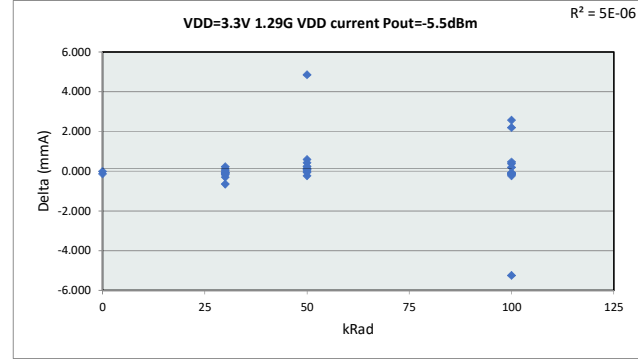


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G VDD current P

Test Site		
Tester		
Test Number		
Unit	mmA	mmA
Max Limit	168.0702094	168.0702094
Min Limit	130.8249866	130.8249866

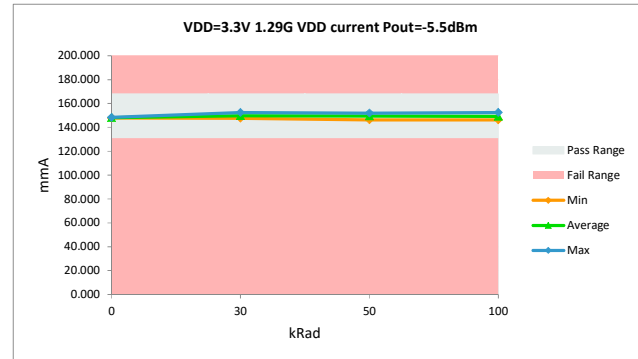
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	148.128	148.275	-0.147	-0.10%	0.40%
0	C2	147.859	147.872	-0.013	-0.01%	0.03%
30	1	149.575	149.648	-0.073	-0.05%	0.20%
30	2	149.400	149.496	-0.095	-0.06%	0.26%
30	3	152.168	152.476	-0.308	-0.20%	0.83%
30	4	147.421	147.601	-0.180	-0.12%	0.48%
30	5	151.840	151.745	0.095	0.06%	0.26%
30	6 U	148.570	148.696	-0.126	-0.09%	0.34%
30	7 U	149.734	149.519	0.214	0.14%	0.58%
30	8 U	148.029	148.682	-0.653	-0.44%	1.75%
30	9 U	151.094	151.151	-0.057	-0.04%	0.15%
30	10 U	149.699	149.669	0.030	0.02%	0.08%
50	11	148.828	148.251	0.577	0.39%	1.55%
50	12	152.161	151.743	0.418	0.27%	1.12%
50	13	148.642	148.547	0.095	0.06%	0.26%
50	14	150.089	149.962	0.127	0.08%	0.34%
50	15	152.152	152.058	0.094	0.06%	0.25%
50	16 U	146.031	146.275	-0.244	-0.17%	0.66%
50	17 U	150.024	150.092	-0.068	-0.05%	0.18%
50	18 U	151.372	151.137	0.235	0.16%	0.63%
50	19 U	149.585	149.585	0.000	0.00%	0.00%
50	20 U	152.418	147.579	4.839	3.18%	12.99%
100	21	147.009	152.262	-5.252	-3.57%	14.10%
100	22	148.211	147.842	0.369	0.25%	0.99%
100	23	148.543	148.083	0.460	0.31%	1.24%
100	24	148.921	146.356	2.565	1.72%	6.89%
100	25	150.090	147.900	2.189	1.46%	5.88%
100	26 U	146.782	146.866	-0.084	-0.06%	0.22%
100	27 U	152.510	152.328	0.182	0.12%	0.49%
100	28 U	152.156	152.398	-0.242	-0.16%	0.65%
100	29 U	147.994	148.113	-0.119	-0.08%	0.32%
100	30 U	149.944	150.117	-0.172	-0.12%	0.46%
	Max	152.510	152.476	4.839	3.18%	14.10%
	Average	149.593	149.448	0.145	0.09%	1.71%
	Min	146.031	146.275	-5.252	-3.57%	0.00%
	Std Dev	1.817	1.862	1.431	0.96%	3.45%



VDD=3.3V 1.29G VDD current

Test Site		
Tester		
Test Number		
Max Limit	168.0702094	mmA
Min Limit	130.8249866	mmA

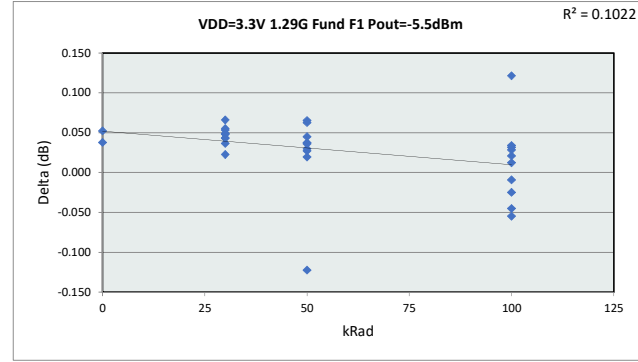
kRad	0	30	50	100
LL	130.825	130.825	130.825	130.825
Min	147.872	147.601	146.275	146.356
Average	148.073	149.868	149.523	149.226
Max	148.275	152.476	152.058	152.398
UL	168.070	168.070	168.070	168.070



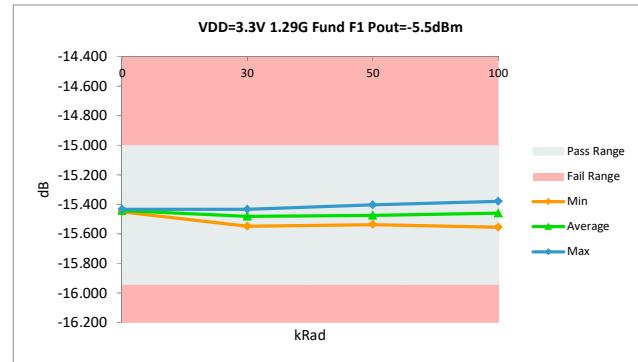
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G Fund F1 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-15.00056155	-15.00056155
Min Limit	-15.94017272	-15.94017272

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.399	-15.451	0.052	-0.34%	5.55%
0	C2	-15.396	-15.434	0.038	-0.25%	4.02%
30	1	-15.492	-15.547	0.055	-0.35%	5.84%
30	2	-15.422	-15.471	0.049	-0.32%	5.20%
30	3	-15.450	-15.493	0.043	-0.28%	4.57%
30	4	-15.417	-15.454	0.037	-0.24%	3.89%
30	5	-15.442	-15.465	0.022	-0.15%	2.39%
30	6 U	-15.372	-15.438	0.066	-0.43%	7.00%
30	7 U	-15.433	-15.487	0.053	-0.35%	5.68%
30	8 U	-15.433	-15.476	0.043	-0.28%	4.61%
30	9 U	-15.500	-15.549	0.048	-0.31%	5.16%
30	10 U	-15.387	-15.434	0.048	-0.31%	5.08%
50	11	-15.386	-15.405	0.019	-0.13%	2.05%
50	12	-15.436	-15.466	0.030	-0.19%	3.16%
50	13	-15.426	-15.462	0.036	-0.23%	3.80%
50	14	-15.506	-15.533	0.027	-0.17%	2.88%
50	15	-15.500	-15.537	0.037	-0.24%	3.94%
50	16 U	-15.403	-15.448	0.045	-0.29%	4.77%
50	17 U	-15.444	-15.509	0.065	-0.42%	6.94%
50	18 U	-15.469	-15.506	0.037	-0.24%	3.95%
50	19 U	-15.388	-15.451	0.063	-0.41%	6.66%
50	20 U	-15.555	-15.433	-0.123	0.79%	13.05%
100	21	-15.426	-15.547	0.121	-0.79%	12.89%
100	22	-15.462	-15.453	-0.009	0.06%	0.98%
100	23	-15.417	-15.392	-0.025	0.16%	2.66%
100	24	-15.434	-15.379	-0.055	0.36%	5.84%
100	25	-15.464	-15.419	-0.045	0.29%	4.80%
100	26 U	-15.435	-15.464	0.028	-0.18%	3.00%
100	27 U	-15.523	-15.555	0.032	-0.20%	3.37%
100	28 U	-15.465	-15.499	0.034	-0.22%	3.60%
100	29 U	-15.411	-15.423	0.012	-0.08%	1.28%
100	30 U	-15.454	-15.474	0.021	-0.13%	2.21%
	Max	-15.372	-15.379	0.121	0.79%	13.05%
	Average	-15.442	-15.470	0.028	-0.18%	4.71%
	Min	-15.555	-15.555	-0.123	-0.79%	0.98%
	Std Dev	0.043	0.047	0.043	0.28%	2.66%



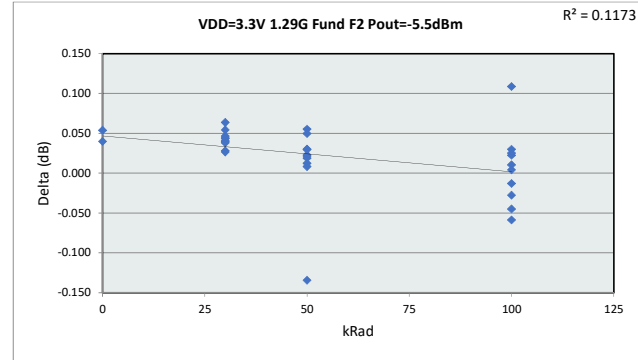
VDD=3.3V 1.29G Fund F1 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-15.00056155			dB
Min Limit	-15.94017272			dB
kRad	0	30	50	100
LL	-15.940	-15.940	-15.940	-15.940
Min	-15.451	-15.549	-15.537	-15.555
Average	-15.443	-15.481	-15.475	-15.461
Max	-15.434	-15.434	-15.405	-15.379
UL	-15.001	-15.001	-15.001	-15.001



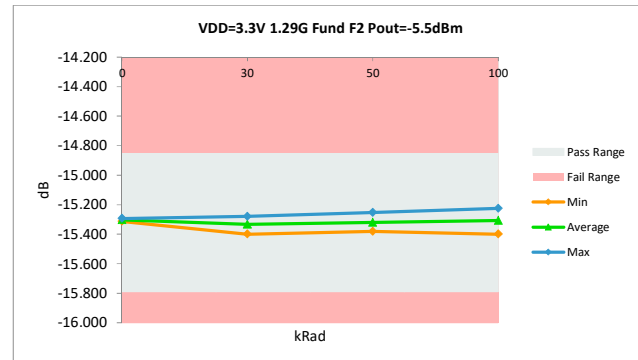
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G Fund F2 Pout=-5.5dBm		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.84931073	-14.84931073
Min Limit	-15.78820177	-15.78820177

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.259	-15.313	0.054	-0.35%	5.70%
0	C2	-15.254	-15.293	0.040	-0.26%	4.21%
30	1	-15.346	-15.400	0.054	-0.35%	5.75%
30	2	-15.278	-15.322	0.043	-0.28%	4.63%
30	3	-15.303	-15.347	0.044	-0.29%	4.69%
30	4	-15.275	-15.302	0.028	-0.18%	2.97%
30	5	-15.296	-15.322	0.026	-0.17%	2.79%
30	6 U	-15.227	-15.290	0.063	-0.42%	6.74%
30	7 U	-15.291	-15.338	0.046	-0.30%	4.94%
30	8 U	-15.287	-15.328	0.041	-0.27%	4.35%
30	9 U	-15.359	-15.398	0.039	-0.26%	4.20%
30	10 U	-15.242	-15.280	0.038	-0.25%	4.04%
50	11	-15.244	-15.252	0.008	-0.05%	0.84%
50	12	-15.297	-15.309	0.012	-0.08%	1.28%
50	13	-15.282	-15.305	0.023	-0.15%	2.41%
50	14	-15.360	-15.379	0.019	-0.12%	1.99%
50	15	-15.352	-15.382	0.030	-0.19%	3.15%
50	16 U	-15.264	-15.294	0.030	-0.20%	3.19%
50	17 U	-15.303	-15.358	0.055	-0.36%	5.85%
50	18 U	-15.328	-15.349	0.021	-0.14%	2.26%
50	19 U	-15.244	-15.293	0.050	-0.32%	5.27%
50	20 U	-15.413	-15.279	-0.135	0.87%	14.33%
100	21	-15.282	-15.391	0.108	-0.71%	11.54%
100	22	-15.313	-15.300	-0.013	0.09%	1.40%
100	23	-15.266	-15.238	-0.028	0.18%	2.97%
100	24	-15.284	-15.225	-0.059	0.39%	6.28%
100	25	-15.315	-15.269	-0.045	0.30%	4.82%
100	26 U	-15.288	-15.313	0.025	-0.16%	2.66%
100	27 U	-15.377	-15.399	0.022	-0.14%	2.37%
100	28 U	-15.318	-15.348	0.030	-0.19%	3.17%
100	29 U	-15.263	-15.267	0.004	-0.03%	0.41%
100	30 U	-15.306	-15.316	0.010	-0.07%	1.09%
	Max	-15.227	-15.225	0.108	0.87%	14.33%
	Average	-15.297	-15.319	0.021	-0.14%	4.13%
	Min	-15.413	-15.400	-0.135	-0.71%	0.41%
	Std Dev	0.043	0.047	0.043	0.28%	2.86%



VDD=3.3V 1.29G Fund F2 Pout=-5.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-14.84931073			dB
Min Limit	-15.78820177			dB
kRad	0	30	50	100
LL	-15.788	-15.788	-15.788	-15.788
Min	-15.313	-15.400	-15.382	-15.399
Average	-15.303	-15.333	-15.320	-15.307
Max	-15.293	-15.280	-15.252	-15.225
UL	-14.849	-14.849	-14.849	-14.849

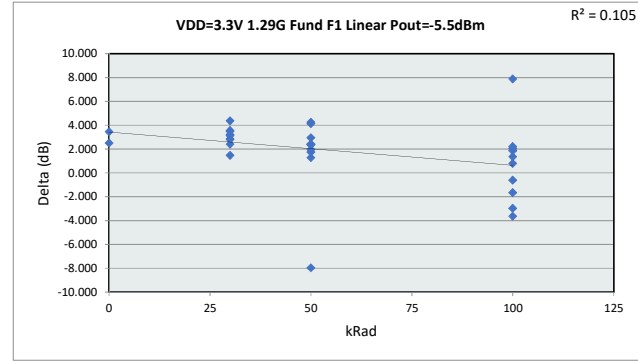


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G Fund F1 Linea

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	314.4474439	314.4474439
Min Limit	253.1205226	253.1205226

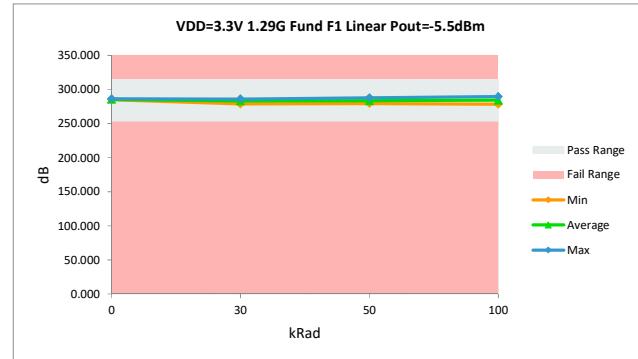
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	288.464	285.021	3.443	1.19%	5.61%
0	C2	288.667	286.166	2.501	0.87%	4.08%
30	1	282.382	278.835	3.548	1.26%	5.79%
30	2	286.925	283.718	3.208	1.12%	5.23%
30	3	285.128	282.324	2.804	0.98%	4.57%
30	4	287.263	284.857	2.406	0.84%	3.92%
30	5	285.599	284.127	1.473	0.52%	2.40%
30	6 U	290.281	285.919	4.362	1.50%	7.11%
30	7 U	286.207	282.709	3.499	1.22%	5.70%
30	8 U	286.249	283.409	2.841	0.99%	4.63%
30	9 U	281.819	278.692	3.127	1.11%	5.10%
30	10 U	289.300	286.137	3.163	1.09%	5.16%
50	11	289.351	288.072	1.280	0.44%	2.09%
50	12	286.020	284.073	1.946	0.68%	3.17%
50	13	286.684	284.335	2.348	0.82%	3.83%
50	14	281.458	279.710	1.748	0.62%	2.85%
50	15	281.832	279.442	2.391	0.85%	3.90%
50	16 U	288.208	285.249	2.959	1.03%	4.83%
50	17 U	285.519	281.263	4.257	1.49%	6.94%
50	18 U	283.832	281.417	2.415	0.85%	3.94%
50	19 U	289.193	285.058	4.135	1.43%	6.74%
50	20 U	278.284	286.251	-7.967	-2.86%	12.99%
100	21	286.693	278.807	7.887	2.75%	12.86%
100	22	284.286	284.890	-0.604	-0.21%	0.98%
100	23	287.272	288.929	-1.657	-0.58%	2.70%
100	24	286.143	289.779	-3.636	-1.27%	5.93%
100	25	284.159	287.127	-2.968	-1.04%	4.84%
100	26 U	286.058	284.207	1.851	0.65%	3.02%
100	27 U	280.332	278.296	2.036	0.73%	3.32%
100	28 U	284.099	281.894	2.205	0.78%	3.60%
100	29 U	287.660	286.865	0.796	0.28%	1.30%
100	30 U	284.871	283.513	1.358	0.48%	2.21%
	Max	290.281	289.779	7.887	2.75%	12.99%
	Average	285.633	283.784	1.849	0.64%	4.73%
	Min	278.284	278.296	-7.967	-2.86%	0.98%
	Std Dev	2.837	3.066	2.793	0.98%	2.65%



VDD=3.3V 1.29G Fund F1 Line

Test Site		
Tester		
Test Number		
Max Limit	314.4474439	dB
Min Limit	253.1205226	dB

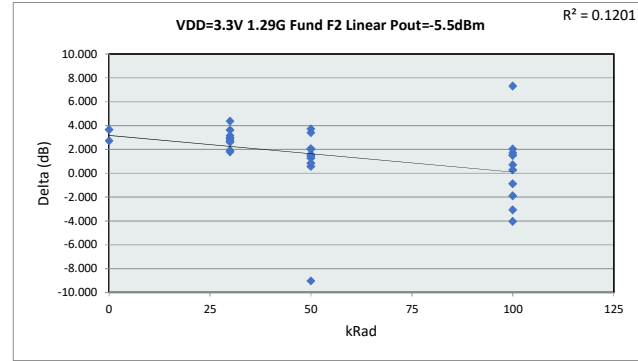
kRad	0	30	50	100
LL	253.121	253.121	253.121	253.121
Min	285.021	278.692	279.442	278.296
Average	285.594	283.073	283.487	284.431
Max	286.166	286.137	288.072	289.779
UL	314.447	314.447	314.447	314.447



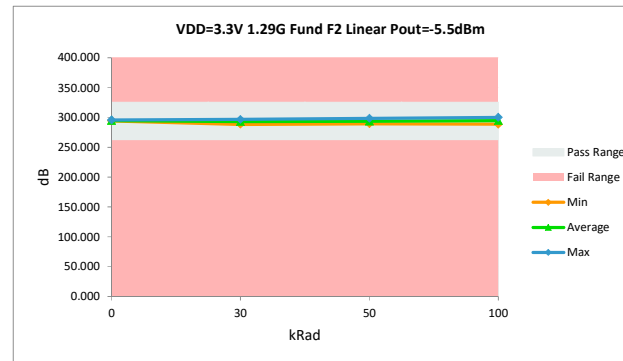
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G Fund F2 Linea		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	325.6086175	325.6086175
Min Limit	262.1228374	262.1228374

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	297.919	294.270	3.650	1.23%	5.75%
0	C2	298.281	295.578	2.703	0.91%	4.26%
30	1	292.010	288.405	3.605	1.23%	5.68%
30	2	296.612	293.658	2.954	1.00%	4.65%
30	3	294.908	291.934	2.974	1.01%	4.68%
30	4	296.849	294.952	1.897	0.64%	2.99%
30	5	295.394	293.616	1.779	0.60%	2.80%
30	6 U	300.134	295.790	4.344	1.45%	6.84%
30	7 U	295.711	292.571	3.140	1.06%	4.95%
30	8 U	295.983	293.212	2.771	0.94%	4.36%
30	9 U	291.147	288.516	2.631	0.90%	4.14%
30	10 U	299.077	296.474	2.603	0.87%	4.10%
50	11	298.948	298.403	0.545	0.18%	0.86%
50	12	295.305	294.488	0.817	0.28%	1.29%
50	13	296.314	294.771	1.543	0.52%	2.43%
50	14	291.070	289.820	1.250	0.43%	1.97%
50	15	291.607	289.630	1.977	0.68%	3.11%
50	16 U	297.544	295.501	2.043	0.69%	3.22%
50	17 U	294.920	291.216	3.704	1.26%	5.83%
50	18 U	293.244	291.816	1.427	0.49%	2.25%
50	19 U	298.963	295.574	3.389	1.13%	5.34%
50	20 U	287.513	296.557	-9.044	-3.15%	14.25%
100	21	296.317	289.014	7.302	2.46%	11.50%
100	22	294.210	295.102	-0.891	-0.30%	1.40%
100	23	297.463	299.377	-1.914	-0.64%	3.02%
100	24	296.208	300.257	-4.049	-1.37%	6.38%
100	25	294.127	297.211	-3.084	-1.05%	4.86%
100	26 U	295.921	294.227	1.695	0.57%	2.67%
100	27 U	289.945	288.466	1.479	0.51%	2.33%
100	28 U	293.905	291.897	2.008	0.68%	3.16%
100	29 U	297.652	297.385	0.267	0.09%	0.42%
100	30 U	294.712	294.017	0.695	0.24%	1.09%
	Max	300.134	300.257	7.302	2.46%	14.25%
	Average	295.310	293.866	1.444	0.49%	4.14%
	Min	287.513	288.405	-9.044	-3.15%	0.42%
	Std Dev	2.905	3.174	2.878	0.98%	2.86%



VDD=3.3V 1.29G Fund F2 Line				
Test Site				
Tester				
Test Number				
Max Limit	325.6086175		dB	
Min Limit	262.1228374		dB	
kRad	0	30	50	100
LL	262.123	262.123	262.123	262.123
Min	294.270	288.405	289.630	288.466
Average	294.924	292.913	293.778	294.695
Max	295.578	296.474	298.403	300.257
UL	325.609	325.609	325.609	325.609

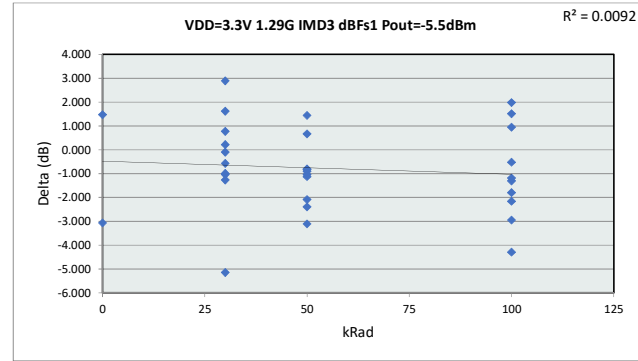


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G IMD3 dBFs1 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-86.28688055	-86.28688055
Min Limit	-118.8629522	-118.8629522

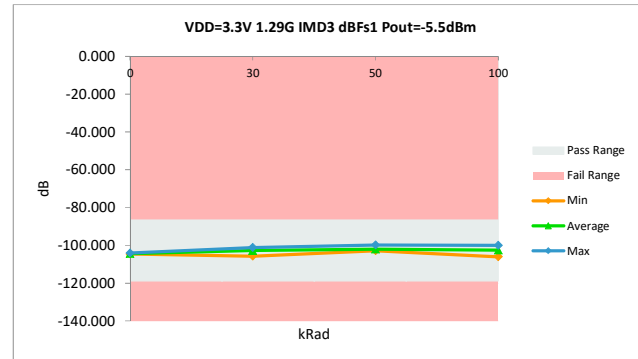
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-107.137	-104.067	-3.070	2.87%	9.42%
0	C2	-103.153	-104.624	1.471	-1.43%	4.52%
30	1	-102.428	-101.163	-1.264	1.23%	3.88%
30	2	-103.327	-102.757	-0.569	0.55%	1.75%
30	3	-102.011	-102.231	0.220	-0.22%	0.68%
30	4	-106.616	-101.474	-5.142	4.82%	15.78%
30	5	-104.903	-105.677	0.774	-0.74%	2.38%
30	6 U	-104.557	-103.517	-1.040	0.99%	3.19%
30	7 U	-103.517	-102.524	-0.993	0.96%	3.05%
30	8 U	-101.762	-103.380	1.618	-1.59%	4.97%
30	9 U	-101.476	-101.379	-0.097	0.10%	0.30%
30	10 U	-100.726	-103.616	2.891	-2.87%	8.87%
50	11	-103.290	-102.466	-0.824	0.80%	2.53%
50	12	-103.504	-102.469	-1.035	1.00%	3.18%
50	13	-103.027	-101.897	-1.129	1.10%	3.47%
50	14	-103.806	-100.698	-3.108	2.99%	9.54%
50	15	-101.690	-102.361	0.670	-0.66%	2.06%
50	16 U	-102.203	-99.808	-2.395	2.34%	7.35%
50	17 U	-104.192	-102.106	-2.086	2.00%	6.40%
50	18 U	-101.196	-102.637	1.441	-1.42%	4.42%
50	19 U	-103.718	-102.912	-0.805	0.78%	2.47%
50	20 U	-103.546	-102.648	-0.898	0.87%	2.76%
100	21	-104.864	-100.570	-4.293	4.09%	13.18%
100	22	-102.046	-104.024	1.978	-1.94%	6.07%
100	23	-102.213	-100.911	-1.302	1.27%	4.00%
100	24	-103.828	-104.775	0.948	-0.91%	2.91%
100	25	-107.216	-106.037	-1.179	1.10%	3.62%
100	26 U	-103.159	-104.674	1.515	-1.47%	4.65%
100	27 U	-101.330	-100.803	-0.527	0.52%	1.62%
100	28 U	-103.247	-100.301	-2.946	2.85%	9.04%
100	29 U	-105.678	-103.881	-1.797	1.70%	5.52%
100	30 U	-102.162	-100.007	-2.155	2.11%	6.62%
	Max	-100.726	-99.808	2.891	4.82%	15.78%
	Average	-103.360	-102.575	-0.785	0.74%	5.01%
	Min	-107.216	-106.037	-5.142	-2.87%	0.30%
	Std Dev	1.664	1.629	1.850	1.78%	3.52%



VDD=3.3V 1.29G IMD3 dBFs1

Test Site		
Tester		
Test Number		
Max Limit	-86.28688055	dB
Min Limit	-118.8629522	dB

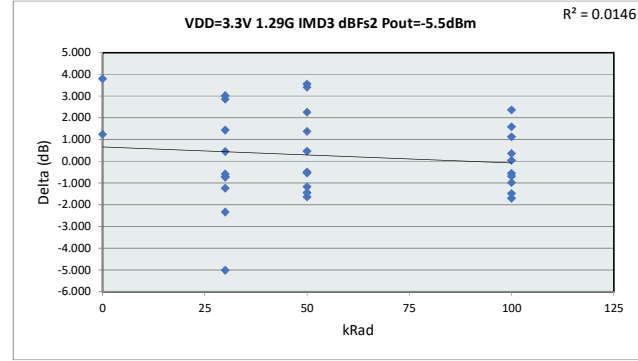
kRad	0	30	50	100
LL	-118.863	-118.863	-118.863	-118.863
Min	-104.624	-105.677	-102.912	-106.037
Average	-104.346	-102.772	-102.000	-102.598
Max	-104.067	-101.163	-99.808	-100.007
UL	-86.287	-86.287	-86.287	-86.287



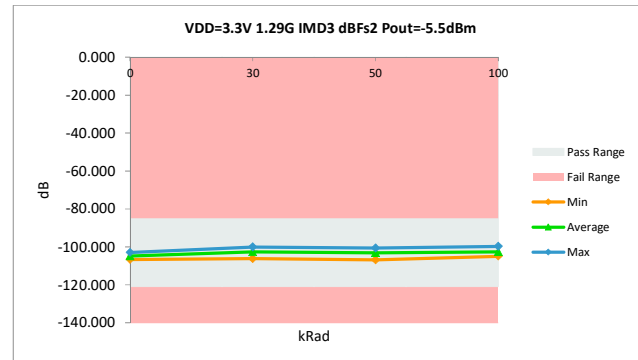
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G IMD3 dBFs2 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-84.98094468	-84.98094468
Min Limit	-120.9045147	-120.9045147

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-102.843	-106.632	3.789	-3.68%	10.55%
0	C2	-101.729	-102.962	1.233	-1.21%	3.43%
30	1	-101.293	-100.042	-1.252	1.24%	3.48%
30	2	-106.150	-101.127	-5.023	4.73%	13.98%
30	3	-101.388	-101.825	0.437	-0.43%	1.22%
30	4	-103.403	-106.256	2.853	-2.76%	7.94%
30	5	-105.961	-103.622	-2.339	2.21%	6.51%
30	6 U	-101.610	-104.620	3.010	-2.96%	8.38%
30	7 U	-101.682	-101.092	-0.590	0.58%	1.64%
30	8 U	-101.594	-103.026	1.432	-1.41%	3.99%
30	9 U	-102.911	-102.190	-0.721	0.70%	2.01%
30	10 U	-103.579	-102.845	-0.734	0.71%	2.04%
50	11	-102.276	-103.645	1.368	-1.34%	3.81%
50	12	-103.511	-106.914	3.402	-3.29%	9.47%
50	13	-104.028	-102.579	-1.449	1.39%	4.03%
50	14	-101.228	-100.674	-0.554	0.55%	1.54%
50	15	-102.090	-101.594	-0.496	0.49%	1.38%
50	16 U	-104.688	-103.045	-1.643	1.57%	4.57%
50	17 U	-102.732	-103.193	0.461	-0.45%	1.28%
50	18 U	-100.910	-103.159	2.249	-2.23%	6.26%
50	19 U	-103.220	-102.040	-1.180	1.14%	3.29%
50	20 U	-101.111	-104.661	3.550	-3.51%	9.88%
100	21	-103.546	-101.836	-1.710	1.65%	4.76%
100	22	-102.582	-104.937	2.355	-2.30%	6.56%
100	23	-103.750	-103.056	-0.693	0.67%	1.93%
100	24	-103.430	-103.784	0.354	-0.34%	0.99%
100	25	-103.227	-104.802	1.576	-1.53%	4.39%
100	26 U	-102.353	-103.472	1.119	-1.09%	3.12%
100	27 U	-101.729	-100.246	-1.483	1.46%	4.13%
100	28 U	-100.783	-99.795	-0.988	0.98%	2.75%
100	29 U	-101.963	-101.993	0.030	-0.03%	0.08%
100	30 U	-103.059	-102.504	-0.555	0.54%	1.54%
	Max	-100.783	-99.795	3.789	4.73%	13.98%
	Average	-102.699	-102.943	0.244	-0.25%	4.40%
	Min	-106.150	-106.914	-5.023	-3.68%	0.08%
	Std Dev	1.333	1.796	1.979	1.91%	3.29%



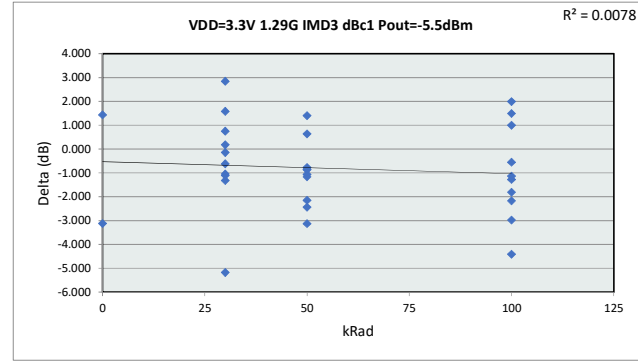
VDD=3.3V 1.29G IMD3 dBFs2				
Test Site				
Tester				
Test Number				
Max Limit	-84.98094468		dB	
Min Limit	-120.9045147		dB	
kRad	0	30	50	100
LL	-120.905	-120.905	-120.905	-120.905
Min	-106.632	-106.256	-106.914	-104.937
Average	-104.797	-102.664	-103.150	-102.643
Max	-102.962	-100.042	-100.674	-99.795
UL	-84.981	-84.981	-84.981	-84.981



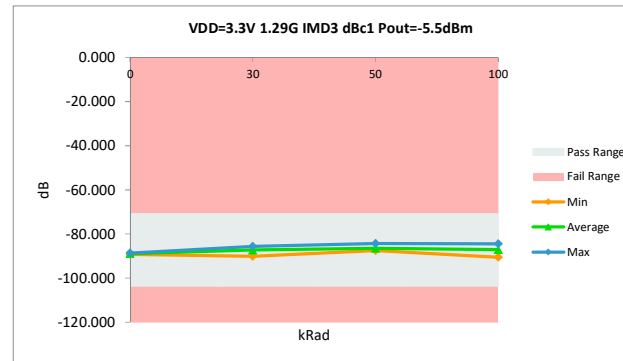
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G IMD3 dBc1 Pout=-5.5dBm		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-70.57718479	-70.57718479
Min Limit	-103.6319126	-103.6319126

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-91.738	-88.616	-3.122	3.40%	9.45%
0	C2	-87.757	-89.190	1.433	-1.63%	4.34%
30	1	-86.936	-85.617	-1.319	1.52%	3.99%
30	2	-87.904	-87.286	-0.618	0.70%	1.87%
30	3	-86.562	-86.739	0.177	-0.20%	0.54%
30	4	-91.199	-86.021	-5.178	5.68%	15.67%
30	5	-89.460	-90.212	0.752	-0.84%	2.27%
30	6 U	-89.185	-88.079	-1.106	1.24%	3.35%
30	7 U	-88.084	-87.038	-1.046	1.19%	3.16%
30	8 U	-86.329	-87.905	1.575	-1.82%	4.76%
30	9 U	-85.976	-85.830	-0.145	0.17%	0.44%
30	10 U	-85.339	-88.182	2.843	-3.33%	8.60%
50	11	-87.904	-87.061	-0.843	0.96%	2.55%
50	12	-88.068	-87.003	-1.064	1.21%	3.22%
50	13	-87.601	-86.436	-1.165	1.33%	3.52%
50	14	-88.300	-85.165	-3.135	3.55%	9.49%
50	15	-86.190	-86.824	0.633	-0.73%	1.92%
50	16 U	-86.800	-84.360	-2.440	2.81%	7.38%
50	17 U	-88.748	-86.597	-2.151	2.42%	6.51%
50	18 U	-85.726	-87.130	1.404	-1.64%	4.25%
50	19 U	-88.329	-87.462	-0.868	0.98%	2.63%
50	20 U	-87.991	-87.216	-0.775	0.88%	2.34%
100	21	-89.438	-85.023	-4.414	4.94%	13.35%
100	22	-86.583	-88.571	1.987	-2.30%	6.01%
100	23	-86.796	-85.519	-1.277	1.47%	3.86%
100	24	-88.393	-89.396	1.002	-1.13%	3.03%
100	25	-91.752	-90.618	-1.134	1.24%	3.43%
100	26 U	-87.723	-89.210	1.487	-1.69%	4.50%
100	27 U	-85.806	-85.248	-0.558	0.65%	1.69%
100	28 U	-87.782	-84.802	-2.980	3.39%	9.02%
100	29 U	-90.267	-88.458	-1.809	2.00%	5.47%
100	30 U	-86.708	-84.532	-2.176	2.51%	6.58%
	Max	-85.339	-84.360	2.843	5.68%	15.67%
	Average	-87.918	-87.105	-0.814	0.90%	4.97%
	Min	-91.752	-90.618	-1.134	-1.24%	3.43%
	Std Dev	1.676	1.653	1.859	2.10%	3.51%



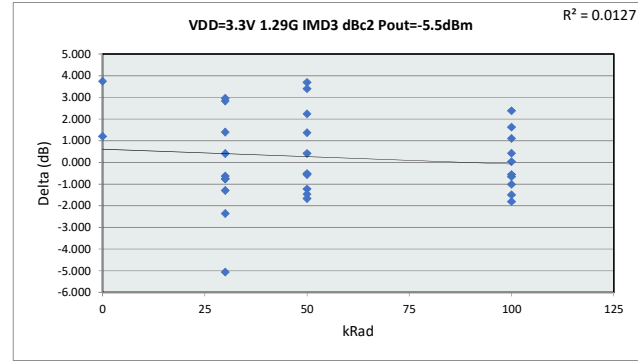
VDD=3.3V 1.29G IMD3 dBc1 Pout=-5.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-70.57718479		dB	
Min Limit	-103.6319126		dB	
kRad	0	30	50	100
LL	-103.632	-103.632	-103.632	-103.632
Min	-89.190	-90.212	-87.462	-90.618
Average	-88.903	-87.291	-86.525	-87.138
Max	-88.616	-85.617	-84.360	-84.532
UL	-70.577	-70.577	-70.577	-70.577



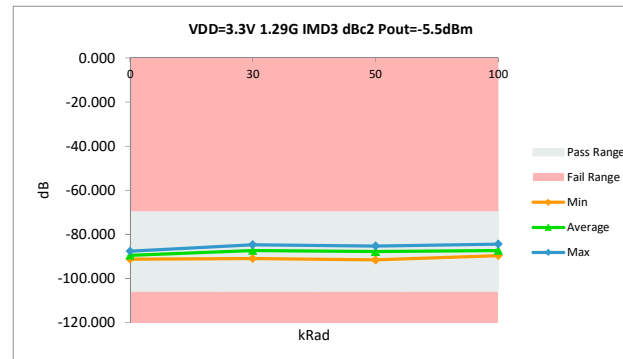
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G IMD3 dBc2 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-69.41101327	-69.41101327
Min Limit	-105.8369339	-105.8369339

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-87.584	-91.319	3.736	-4.27%	10.26%
0	C2	-86.475	-87.668	1.193	-1.38%	3.28%
30	1	-85.947	-84.642	-1.306	1.52%	3.58%
30	2	-90.871	-85.805	-5.066	5.58%	13.91%
30	3	-86.085	-86.478	0.393	-0.46%	1.08%
30	4	-88.128	-90.953	2.825	-3.21%	7.76%
30	5	-90.665	-88.300	-2.365	2.61%	6.49%
30	6 U	-86.383	-89.330	2.947	-3.41%	8.09%
30	7 U	-86.391	-85.754	-0.636	0.74%	1.75%
30	8 U	-86.307	-87.697	1.391	-1.61%	3.82%
30	9 U	-87.552	-86.792	-0.760	0.87%	2.09%
30	10 U	-88.337	-87.565	-0.771	0.87%	2.12%
50	11	-87.032	-88.393	1.361	-1.56%	3.74%
50	12	-88.214	-91.604	3.390	-3.84%	9.31%
50	13	-88.746	-87.274	-1.472	1.66%	4.04%
50	14	-85.868	-85.295	-0.573	0.67%	1.57%
50	15	-86.738	-86.212	-0.526	0.61%	1.44%
50	16 U	-89.424	-87.750	-1.673	1.87%	4.59%
50	17 U	-87.429	-87.835	0.406	-0.46%	1.11%
50	18 U	-85.582	-87.810	2.228	-2.60%	6.12%
50	19 U	-87.976	-86.747	-1.230	1.40%	3.38%
50	20 U	-85.698	-89.382	3.684	-4.30%	10.11%
100	21	-88.263	-86.445	-1.818	2.06%	4.99%
100	22	-87.269	-89.637	2.368	-2.71%	6.50%
100	23	-88.484	-87.819	-0.665	0.75%	1.83%
100	24	-88.146	-88.559	0.413	-0.47%	1.13%
100	25	-87.912	-89.533	1.621	-1.84%	4.45%
100	26 U	-87.064	-88.159	1.094	-1.26%	3.00%
100	27 U	-86.352	-84.847	-1.505	1.74%	4.13%
100	28 U	-85.465	-84.447	-1.018	1.19%	2.79%
100	29 U	-86.700	-86.726	0.027	-0.03%	0.07%
100	30 U	-87.753	-87.188	-0.565	0.64%	1.55%
	Max	-85.465	-84.447	3.736	5.58%	13.91%
	Average	-87.401	-87.624	0.223	-0.27%	4.38%
	Min	-90.871	-91.604	-5.066	-4.30%	0.07%
	Std Dev	1.350	1.821	1.993	2.26%	3.25%



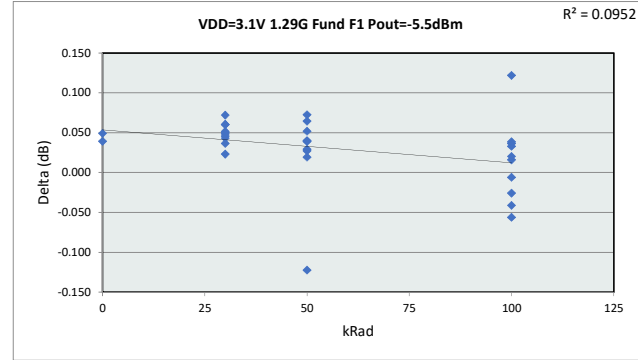
VDD=3.3V 1.29G IMD3 dBc2 Pout=-5.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-69.41101327		dB	
Min Limit	-105.8369339		dB	
kRad	0	30	50	100
LL	-105.837	-105.837	-105.837	-105.837
Min	-91.319	-90.953	-91.604	-89.637
Average	-89.494	-87.332	-87.830	-87.336
Max	-87.668	-84.642	-85.295	-84.447
UL	-69.411	-69.411	-69.411	-69.411



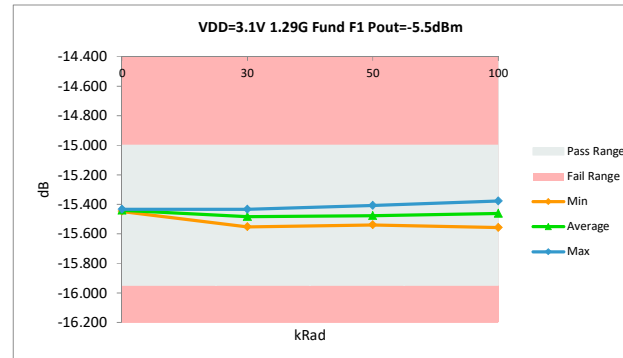
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G Fund F1 Pout=	
Test Site	
Tester	
Test Number	
Unit	
	dB dB
Max Limit	-14.99599927 -14.99599927
Min Limit	-15.94802875 -15.94802875

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.399	-15.448	0.049	-0.32%	5.15%
0	C2	-15.395	-15.435	0.039	-0.25%	4.12%
30	1	-15.491	-15.551	0.060	-0.39%	6.30%
30	2	-15.421	-15.469	0.049	-0.31%	5.10%
30	3	-15.450	-15.493	0.043	-0.28%	4.52%
30	4	-15.419	-15.456	0.037	-0.24%	3.84%
30	5	-15.442	-15.465	0.023	-0.15%	2.41%
30	6 U	-15.367	-15.439	0.072	-0.47%	7.56%
30	7 U	-15.433	-15.493	0.060	-0.39%	6.30%
30	8 U	-15.435	-15.480	0.046	-0.30%	4.79%
30	9 U	-15.502	-15.552	0.050	-0.32%	5.28%
30	10 U	-15.383	-15.435	0.051	-0.33%	5.41%
50	11	-15.390	-15.409	0.019	-0.12%	2.00%
50	12	-15.436	-15.465	0.029	-0.19%	3.04%
50	13	-15.425	-15.464	0.039	-0.25%	4.13%
50	14	-15.505	-15.532	0.027	-0.17%	2.85%
50	15	-15.500	-15.540	0.040	-0.26%	4.20%
50	16 U	-15.404	-15.456	0.052	-0.34%	5.43%
50	17 U	-15.443	-15.515	0.072	-0.47%	7.60%
50	18 U	-15.470	-15.508	0.039	-0.25%	4.07%
50	19 U	-15.386	-15.451	0.064	-0.42%	6.77%
50	20 U	-15.558	-15.435	-0.123	0.79%	12.87%
100	21	-15.424	-15.546	0.122	-0.79%	12.79%
100	22	-15.458	-15.452	-0.006	0.04%	0.64%
100	23	-15.417	-15.391	-0.026	0.17%	2.71%
100	24	-15.434	-15.378	-0.056	0.36%	5.91%
100	25	-15.463	-15.422	-0.041	0.27%	4.35%
100	26 U	-15.433	-15.466	0.033	-0.21%	3.46%
100	27 U	-15.522	-15.558	0.036	-0.23%	3.81%
100	28 U	-15.464	-15.503	0.038	-0.25%	4.03%
100	29 U	-15.410	-15.426	0.016	-0.10%	1.66%
100	30 U	-15.454	-15.474	0.020	-0.13%	2.11%
Max		-15.367	-15.378	0.122	0.79%	12.87%
Average		-15.442	-15.472	0.030	-0.20%	4.85%
Min		-15.558	-15.558	-0.123	-0.79%	0.64%
Std Dev		0.044	0.048	0.043	0.28%	2.67%



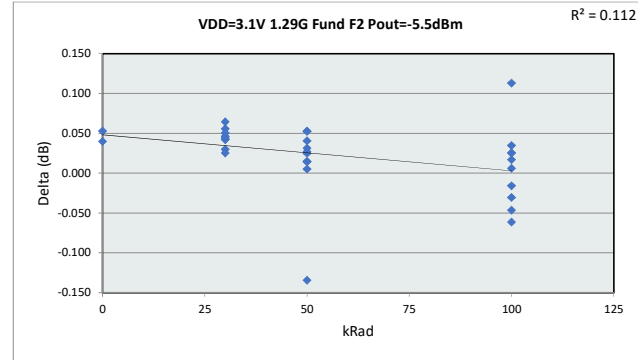
VDD=3.1V 1.29G Fund F1 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-14.99599927	dB		
Min Limit	-15.94802875	dB		
kRad	0	30	50	100
LL	-15.948	-15.948	-15.948	-15.948
Min	-15.448	-15.552	-15.540	-15.558
Average	-15.441	-15.483	-15.477	-15.462
Max	-15.435	-15.435	-15.409	-15.378
UL	-14.996	-14.996	-14.996	-14.996



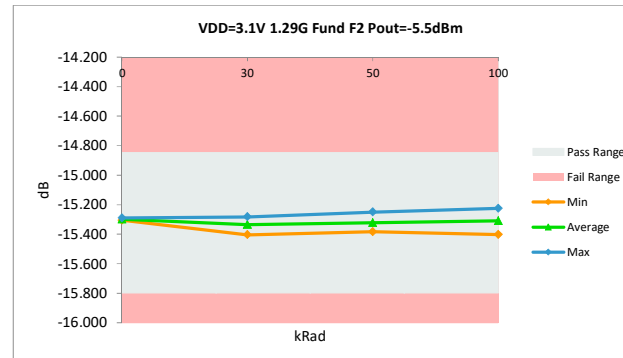
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G Fund F2 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.8426271	-14.8426271
Min Limit	-15.79719062	-15.79719062

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.253	-15.306	0.053	-0.35%	5.52%
0	C2	-15.251	-15.291	0.040	-0.26%	4.16%
30	1	-15.349	-15.404	0.055	-0.36%	5.81%
30	2	-15.278	-15.320	0.042	-0.27%	4.39%
30	3	-15.303	-15.349	0.046	-0.30%	4.82%
30	4	-15.275	-15.305	0.030	-0.19%	3.10%
30	5	-15.297	-15.322	0.025	-0.16%	2.63%
30	6 U	-15.227	-15.291	0.064	-0.42%	6.72%
30	7 U	-15.289	-15.339	0.050	-0.33%	5.25%
30	8 U	-15.287	-15.330	0.043	-0.28%	4.46%
30	9 U	-15.357	-15.402	0.045	-0.29%	4.73%
30	10 U	-15.240	-15.283	0.042	-0.28%	4.43%
50	11	-15.245	-15.250	0.005	-0.03%	0.52%
50	12	-15.296	-15.310	0.014	-0.09%	1.48%
50	13	-15.282	-15.307	0.025	-0.16%	2.59%
50	14	-15.361	-15.376	0.014	-0.09%	1.52%
50	15	-15.352	-15.383	0.031	-0.20%	3.26%
50	16 U	-15.263	-15.304	0.040	-0.26%	4.23%
50	17 U	-15.307	-15.359	0.052	-0.34%	5.49%
50	18 U	-15.327	-15.353	0.027	-0.17%	2.81%
50	19 U	-15.241	-15.294	0.052	-0.34%	5.49%
50	20 U	-15.414	-15.279	-0.135	0.87%	14.10%
100	21	-15.280	-15.393	0.113	-0.74%	11.83%
100	22	-15.316	-15.300	-0.016	0.10%	1.67%
100	23	-15.269	-15.239	-0.031	0.20%	3.23%
100	24	-15.286	-15.225	-0.062	0.40%	6.46%
100	25	-15.315	-15.268	-0.047	0.30%	4.89%
100	26 U	-15.290	-15.315	0.025	-0.16%	2.63%
100	27 U	-15.376	-15.402	0.025	-0.16%	2.64%
100	28 U	-15.316	-15.350	0.035	-0.23%	3.61%
100	29 U	-15.263	-15.269	0.006	-0.04%	0.62%
100	30 U	-15.304	-15.320	0.017	-0.11%	1.76%
	Max	-15.227	-15.225	0.113	0.87%	14.10%
	Average	-15.297	-15.320	0.023	-0.15%	4.28%
	Min	-15.414	-15.404	-0.135	-0.74%	0.52%
	Std Dev	0.043	0.048	0.044	0.29%	2.82%



VDD=3.1V 1.29G Fund F2 Pout=-				
Test Site				
Tester				
Test Number				
Max Limit	-14.8426271		dB	
Min Limit	-15.79719062		dB	
kRad	0	30	50	100
LL	-15.797	-15.797	-15.797	-15.797
Min	-15.306	-15.404	-15.383	-15.402
Average	-15.298	-15.334	-15.322	-15.308
Max	-15.291	-15.283	-15.250	-15.225
UL	-14.843	-14.843	-14.843	-14.843

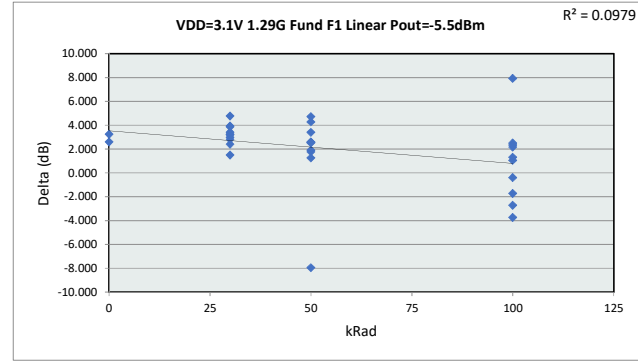


QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G Fund F1 Linea

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	314.7357105	314.7357105
Min Limit	252.6179329	252.6179329

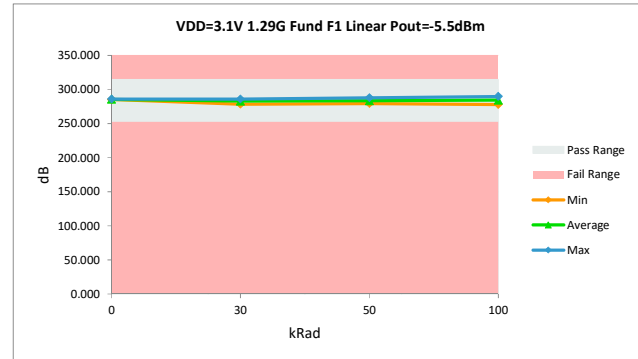
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	288.469	285.232	3.237	1.12%	5.21%
0	C2	288.710	286.114	2.596	0.90%	4.18%
30	1	282.434	278.561	3.873	1.37%	6.23%
30	2	287.024	283.836	3.188	1.11%	5.13%
30	3	285.079	282.269	2.810	0.99%	4.52%
30	4	287.124	284.718	2.406	0.84%	3.87%
30	5	285.628	284.123	1.504	0.53%	2.42%
30	6 U	290.611	285.838	4.774	1.64%	7.69%
30	7 U	286.253	282.325	3.927	1.37%	6.32%
30	8 U	286.107	283.117	2.990	1.05%	4.81%
30	9 U	281.717	278.474	3.243	1.15%	5.22%
30	10 U	289.517	286.106	3.411	1.18%	5.49%
50	11	289.095	287.831	1.264	0.44%	2.03%
50	12	286.046	284.147	1.900	0.66%	3.06%
50	13	286.777	284.194	2.583	0.90%	4.16%
50	14	281.533	279.781	1.752	0.62%	2.82%
50	15	281.851	279.271	2.581	0.92%	4.15%
50	16 U	288.120	284.712	3.408	1.18%	5.49%
50	17 U	285.569	280.853	4.716	1.65%	7.59%
50	18 U	283.823	281.299	2.523	0.89%	4.06%
50	19 U	289.310	285.046	4.264	1.47%	6.86%
50	20 U	278.127	286.085	-7.958	-2.86%	12.81%
100	21	286.805	278.876	7.930	2.76%	12.77%
100	22	284.588	284.987	-0.399	-0.14%	0.64%
100	23	287.281	288.995	-1.715	-0.60%	2.76%
100	24	286.139	289.868	-3.728	-1.30%	6.00%
100	25	284.236	286.959	-2.723	-0.96%	4.38%
100	26 U	286.239	284.078	2.161	0.75%	3.48%
100	27 U	280.430	278.098	2.332	0.83%	3.75%
100	28 U	284.157	281.657	2.500	0.88%	4.02%
100	29 U	287.755	286.707	1.048	0.36%	1.69%
100	30 U	284.815	283.502	1.313	0.46%	2.11%
	Max	290.611	289.868	7.930	2.76%	12.81%
	Average	285.668	283.677	1.991	0.69%	4.87%
	Min	278.127	278.098	-7.958	-2.86%	0.64%
	Std Dev	2.863	3.106	2.843	1.00%	2.66%



VDD=3.1V 1.29G Fund F1 Line

Test Site		
Tester		
Test Number		
Max Limit	314.7357105	dB
Min Limit	252.6179329	dB

kRad	0	30	50	100
LL	252.618	252.618	252.618	252.618
Min	285.232	278.474	279.271	278.098
Average	285.673	282.937	283.322	284.373
Max	286.114	286.106	287.831	289.868
UL	314.736	314.736	314.736	314.736

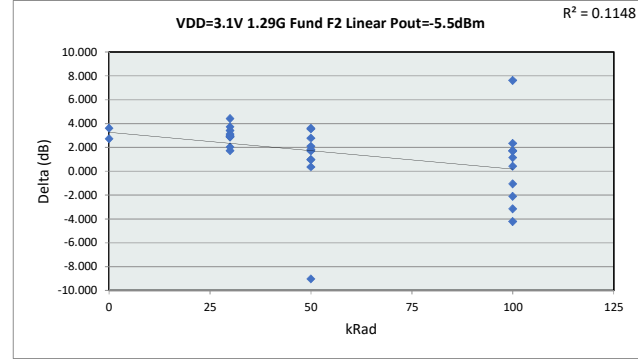


QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G Fund F2 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	326.0513937	326.0513937
Min Limit	261.5252283	261.5252283

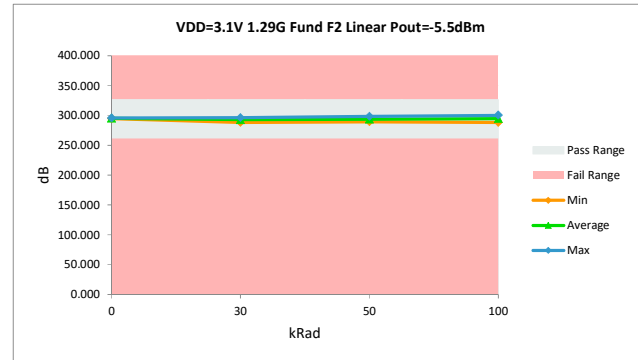
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	298.337	294.742	3.595	1.20%	5.57%
0	C2	298.467	295.752	2.715	0.91%	4.21%
30	1	291.837	288.134	3.703	1.27%	5.74%
30	2	296.642	293.795	2.847	0.96%	4.41%
30	3	294.912	291.806	3.105	1.05%	4.81%
30	4	296.802	294.785	2.017	0.68%	3.13%
30	5	295.325	293.623	1.702	0.58%	2.64%
30	6 U	300.154	295.754	4.400	1.47%	6.82%
30	7 U	295.861	292.464	3.396	1.15%	5.26%
30	8 U	295.974	293.086	2.888	0.98%	4.48%
30	9 U	291.276	288.264	3.012	1.03%	4.67%
30	10 U	299.197	296.301	2.896	0.97%	4.49%
50	11	298.892	298.552	0.340	0.11%	0.53%
50	12	295.387	294.430	0.958	0.32%	1.48%
50	13	296.345	294.664	1.681	0.57%	2.60%
50	14	290.998	290.029	0.969	0.33%	1.50%
50	15	291.590	289.505	2.085	0.72%	3.23%
50	16 U	297.635	294.881	2.754	0.93%	4.27%
50	17 U	294.670	291.133	3.537	1.20%	5.48%
50	18 U	293.313	291.510	1.803	0.61%	2.79%
50	19 U	299.128	295.539	3.589	1.20%	5.56%
50	20 U	287.473	296.524	-9.051	-3.15%	14.03%
100	21	296.455	288.846	7.609	2.57%	11.79%
100	22	294.033	295.116	-1.083	-0.37%	1.68%
100	23	297.206	299.323	-2.117	-0.71%	3.28%
100	24	296.050	300.281	-4.231	-1.43%	6.56%
100	25	294.096	297.274	-3.178	-1.08%	4.93%
100	26 U	295.777	294.074	1.703	0.58%	2.64%
100	27 U	289.972	288.296	1.676	0.58%	2.60%
100	28 U	294.056	291.728	2.327	0.79%	3.61%
100	29 U	297.671	297.266	0.405	0.14%	0.63%
100	30 U	294.882	293.746	1.136	0.39%	1.76%
	Max	300.154	300.281	7.609	2.57%	14.03%
	Average	295.325	293.788	1.537	0.52%	4.29%
	Min	287.473	288.134	-9.051	-3.15%	0.53%
	Std Dev	2.938	3.226	2.958	1.01%	2.81%



VDD=3.1V 1.29G Fund F2 Linear

Test Site		
Tester		
Test Number		
Max Limit	326.0513937	dB
Min Limit	261.5252283	dB

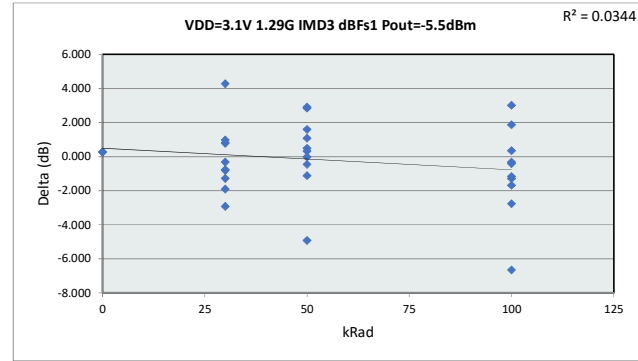
kRad	0	30	50	100
LL	261.525	261.525	261.525	261.525
Min	294.742	288.134	289.505	288.296
Average	295.247	292.801	293.677	294.595
Max	295.752	296.301	298.552	300.281
UL	326.051	326.051	326.051	326.051



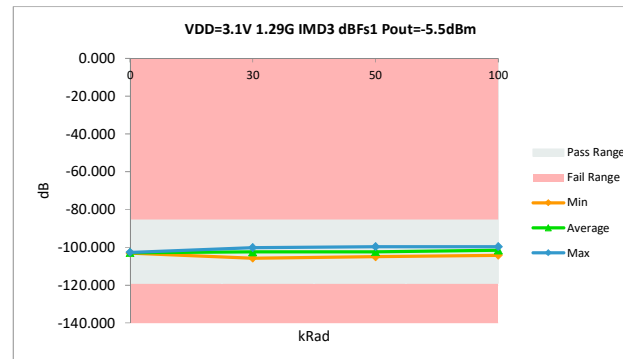
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G IMD3 dBFs1 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-85.31821138	-85.31821138
Min Limit	-118.9430887	-118.9430887

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-102.767	-103.042	0.275	-0.27%	0.82%
0	C2	-102.423	-102.685	0.263	-0.26%	0.78%
30	1	-102.004	-101.196	-0.808	0.79%	2.40%
30	2	-103.876	-100.948	-2.928	2.82%	8.71%
30	3	-101.520	-100.237	-1.283	1.26%	3.82%
30	4	-103.592	-101.686	-1.905	1.84%	5.67%
30	5	-104.955	-105.742	0.787	-0.75%	2.34%
30	6 U	-103.322	-104.294	0.971	-0.94%	2.89%
30	7 U	-102.229	-101.454	-0.775	0.76%	2.30%
30	8 U	-102.685	-103.500	0.815	-0.79%	2.42%
30	9 U	-99.385	-103.660	4.274	-4.30%	12.71%
30	10 U	-102.214	-101.894	-0.319	0.31%	0.95%
50	11	-104.678	-99.756	-4.922	4.70%	14.64%
50	12	-101.518	-101.062	-0.456	0.45%	1.36%
50	13	-101.634	-102.122	0.488	-0.48%	1.45%
50	14	-102.748	-101.627	-1.121	1.09%	3.33%
50	15	-100.514	-101.586	1.072	-1.07%	3.19%
50	16 U	-102.912	-104.512	1.600	-1.55%	4.76%
50	17 U	-101.602	-101.589	-0.013	0.01%	0.04%
50	18 U	-101.263	-101.590	0.327	-0.32%	0.97%
50	19 U	-101.307	-104.225	2.917	-2.88%	8.68%
50	20 U	-102.165	-105.015	2.850	-2.79%	8.48%
100	21	-106.467	-99.809	-6.659	6.25%	19.80%
100	22	-101.214	-104.232	3.018	-2.98%	8.98%
100	23	-102.165	-100.479	-1.686	1.65%	5.01%
100	24	-102.404	-101.995	-0.409	0.40%	1.22%
100	25	-103.642	-102.350	-1.291	1.25%	3.84%
100	26 U	-104.381	-104.063	-0.318	0.30%	0.95%
100	27 U	-99.929	-100.279	0.350	-0.35%	1.04%
100	28 U	-100.311	-102.175	1.864	-1.86%	5.54%
100	29 U	-102.469	-99.696	-2.773	2.71%	8.25%
100	30 U	-100.843	-99.680	-1.162	1.15%	3.46%
	Max	-99.385	-99.680	4.274	6.25%	19.80%
	Average	-102.348	-102.131	-0.217	0.19%	4.71%
	Min	-106.467	-105.742	-6.659	-4.30%	0.04%
	Std Dev	1.516	1.681	2.211	2.14%	4.56%



VDD=3.1V 1.29G IMD3 dBFs1				
Test Site				
Tester				
Test Number				
Max Limit	-85.31821138		dB	
Min Limit	-118.9430887		dB	
kRad	0	30	50	100
LL	-118.943	-118.943	-118.943	-118.943
Min	-103.042	-105.742	-105.015	-104.232
Average	-102.863	-102.461	-102.308	-101.476
Max	-102.685	-100.237	-99.756	-99.680
UL	-85.318	-85.318	-85.318	-85.318

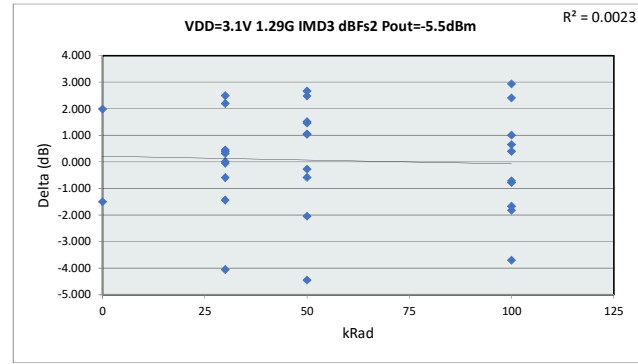


QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G IMD3 dBFs2 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-87.57967565	-87.57967565
Min Limit	-116.4975863	-116.4975863

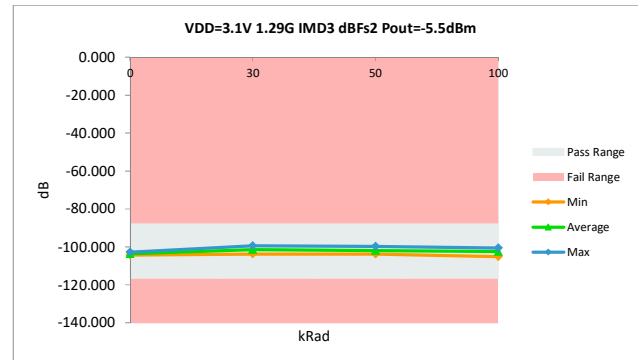
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-102.392	-104.373	1.981	-1.93%	6.85%
0	C2	-104.308	-102.801	-1.506	1.44%	5.21%
30	1	-99.157	-101.641	2.485	-2.51%	8.59%
30	2	-103.561	-99.502	-4.059	3.92%	14.04%
30	3	-100.973	-100.973	0.000	0.00%	0.00%
30	4	-102.306	-101.710	-0.596	0.58%	2.06%
30	5	-102.910	-103.354	0.444	-0.43%	1.54%
30	6 U	-101.558	-103.750	2.191	-2.16%	7.58%
30	7 U	-100.406	-100.351	-0.055	0.05%	0.19%
30	8 U	-101.615	-101.999	0.383	-0.38%	1.33%
30	9 U	-101.227	-99.783	-1.444	1.43%	4.99%
30	10 U	-100.406	-100.714	0.308	-0.31%	1.07%
50	11	-101.092	-102.135	1.042	-1.03%	3.60%
50	12	-101.594	-103.051	1.457	-1.43%	5.04%
50	13	-103.422	-101.367	-2.055	1.99%	7.10%
50	14	-100.012	-99.728	-0.284	0.28%	0.98%
50	15	-100.109	-102.772	2.663	-2.66%	9.21%
50	16 U	-105.369	-100.908	-4.461	4.23%	15.43%
50	17 U	-100.647	-102.152	1.505	-1.49%	5.20%
50	18 U	-100.572	-101.610	1.037	-1.03%	3.59%
50	19 U	-102.006	-101.415	-0.591	0.58%	2.04%
50	20 U	-101.333	-103.806	2.473	-2.44%	8.55%
100	21	-104.264	-100.555	-3.709	3.56%	12.83%
100	22	-103.557	-101.729	-1.828	1.77%	6.32%
100	23	-102.388	-103.035	0.647	-0.63%	2.24%
100	24	-103.275	-103.667	0.392	-0.38%	1.35%
100	25	-102.217	-105.143	2.925	-2.86%	10.12%
100	26 U	-102.306	-104.707	2.401	-2.35%	8.30%
100	27 U	-102.964	-101.289	-1.675	1.63%	5.79%
100	28 U	-100.104	-101.104	1.000	-1.00%	3.46%
100	29 U	-102.608	-101.822	-0.786	0.77%	2.72%
100	30 U	-103.012	-102.292	-0.720	0.70%	2.49%
Max		-99.157	-99.502	2.925	4.23%	15.43%
Average		-101.990	-102.039	0.049	-0.07%	5.31%
Min		-105.369	-105.143	-4.461	-2.86%	0.00%
Std Dev		1.455	1.446	1.948	1.89%	4.05%



VDD=3.1V 1.29G IMD3 dBFs2

Test Site		
Tester		
Test Number		
Max Limit	-87.57967565	dB
Min Limit	-116.4975863	dB

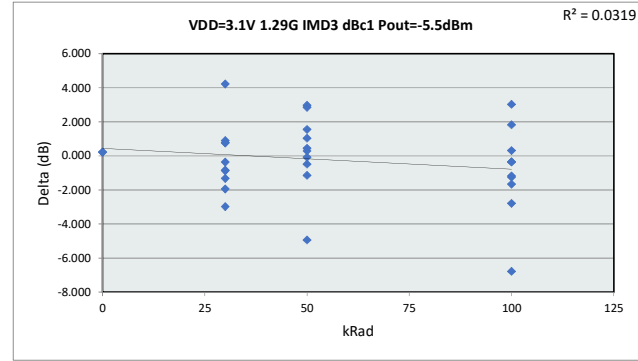
kRad	0	30	50	100
LL	-116.498	-116.498	-116.498	-116.498
Min	-104.373	-103.750	-103.806	-105.143
Average	-103.587	-101.378	-101.894	-102.534
Max	-102.801	-99.502	-99.728	-100.555
UL	-87.580	-87.580	-87.580	-87.580



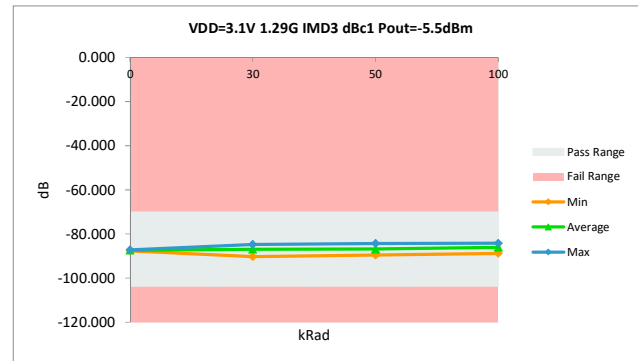
QMLP TID Report
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VDD=3.1V 1.29G IMD3 dBc1 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-69.76340555	-69.76340555
Min Limit	-103.5538662	-103.5538662

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-87.368	-87.594	0.226	-0.26%	0.67%
0	C2	-87.027	-87.251	0.223	-0.26%	0.66%
30	1	-86.513	-85.645	-0.868	1.00%	2.57%
30	2	-88.455	-85.478	-2.977	3.37%	8.81%
30	3	-86.070	-84.744	-1.326	1.54%	3.93%
30	4	-88.172	-86.231	-1.942	2.20%	5.75%
30	5	-89.513	-90.277	0.764	-0.85%	2.26%
30	6 U	-87.956	-88.855	0.899	-1.02%	2.66%
30	7 U	-86.796	-85.961	-0.835	0.96%	2.47%
30	8 U	-87.251	-88.020	0.769	-0.88%	2.28%
30	9 U	-83.883	-88.107	4.224	-5.04%	12.50%
30	10 U	-86.830	-86.460	-0.371	0.43%	1.10%
50	11	-89.289	-84.348	-4.941	5.53%	14.62%
50	12	-86.082	-85.598	-0.485	0.56%	1.43%
50	13	-86.209	-86.658	0.449	-0.52%	1.33%
50	14	-87.244	-86.096	-1.148	1.32%	3.40%
50	15	-85.014	-86.047	1.032	-1.21%	3.06%
50	16 U	-87.508	-89.056	1.548	-1.77%	4.58%
50	17 U	-86.159	-86.073	-0.086	0.10%	0.25%
50	18 U	-85.794	-86.082	0.288	-0.34%	0.85%
50	19 U	-85.921	-88.774	2.853	-3.32%	8.44%
50	20 U	-86.607	-89.580	2.972	-3.43%	8.80%
100	21	-91.043	-84.263	-6.780	7.45%	20.07%
100	22	-85.756	-88.780	3.024	-3.53%	8.95%
100	23	-86.748	-85.088	-1.660	1.91%	4.91%
100	24	-86.970	-86.617	-0.353	0.41%	1.04%
100	25	-88.178	-86.928	-1.250	1.42%	3.70%
100	26 U	-88.949	-88.598	-0.351	0.39%	1.04%
100	27 U	-84.408	-84.721	0.313	-0.37%	0.93%
100	28 U	-84.847	-86.672	1.825	-2.15%	5.40%
100	29 U	-87.059	-84.271	-2.789	3.20%	8.25%
100	30 U	-85.388	-84.206	-1.182	1.38%	3.50%
	Max	-83.883	-84.206	4.224	7.45%	20.07%
	Average	-86.906	-86.659	-0.248	0.26%	4.69%
	Min	-91.043	-90.277	-6.780	-5.04%	0.25%
	Std Dev	1.535	1.690	2.221	2.53%	4.58%



VDD=3.1V 1.29G IMD3 dBc1 Pout=-5.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-69.76340555			dB
Min Limit	-103.5538662			dB
kRad	0	30	50	100
LL	-103.554	-103.554	-103.554	-103.554
Min	-87.594	-90.277	-89.580	-88.780
Average	-87.422	-86.978	-86.831	-86.014
Max	-87.251	-84.744	-84.348	-84.206
UL	-69.763	-69.763	-69.763	-69.763

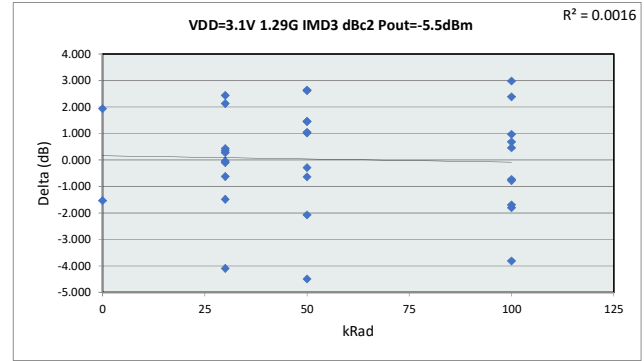


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VDD=3.1V 1.29G IMD3 dBc2 Po

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-72.01830957	-72.01830957
Min Limit	-101.4191346	-101.4191346

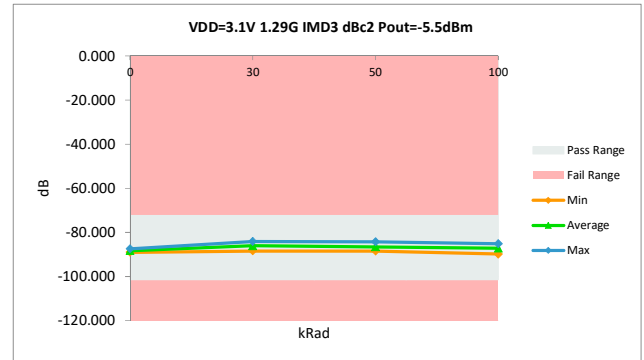
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-87.139	-89.067	1.928	-2.21%	6.56%
0	C2	-89.057	-87.510	-1.546	1.74%	5.26%
30	1	-83.808	-86.237	2.429	-2.90%	8.26%
30	2	-88.283	-84.183	-4.101	4.65%	13.95%
30	3	-85.670	-85.624	-0.046	0.05%	0.16%
30	4	-87.031	-86.405	-0.626	0.72%	2.13%
30	5	-87.613	-88.032	0.419	-0.48%	1.43%
30	6 U	-86.332	-88.459	2.127	-2.46%	7.23%
30	7 U	-85.116	-85.012	-0.105	0.12%	0.36%
30	8 U	-86.328	-86.669	0.341	-0.39%	1.16%
30	9 U	-85.870	-84.381	-1.489	1.73%	5.06%
30	10 U	-85.165	-85.431	0.266	-0.31%	0.90%
50	11	-85.847	-86.885	1.038	-1.21%	3.53%
50	12	-86.298	-87.741	1.443	-1.67%	4.91%
50	13	-88.140	-86.061	-2.079	2.36%	7.07%
50	14	-84.651	-84.352	-0.298	0.35%	1.01%
50	15	-84.757	-87.389	2.632	-3.11%	8.95%
50	16 U	-90.106	-85.604	-4.501	5.00%	15.31%
50	17 U	-85.341	-86.793	1.452	-1.70%	4.94%
50	18 U	-85.246	-86.256	1.010	-1.19%	3.44%
50	19 U	-86.764	-86.121	-0.643	0.74%	2.19%
50	20 U	-85.919	-88.527	2.608	-3.04%	8.87%
100	21	-88.984	-85.162	-3.822	4.30%	13.00%
100	22	-88.241	-86.429	-1.812	2.05%	6.16%
100	23	-87.118	-87.796	0.678	-0.78%	2.30%
100	24	-87.989	-88.442	0.453	-0.52%	1.54%
100	25	-86.902	-89.874	2.972	-3.42%	10.11%
100	26 U	-87.016	-89.392	2.376	-2.73%	8.08%
100	27 U	-87.588	-85.887	-1.700	1.94%	5.78%
100	28 U	-84.788	-85.754	0.965	-1.14%	3.28%
100	29 U	-87.345	-86.554	-0.792	0.91%	2.69%
100	30 U	-87.709	-86.972	-0.737	0.84%	2.51%
	Max	-83.808	-84.183	2.972	5.00%	15.31%
	Average	-86.692	-86.719	0.026	-0.05%	5.25%
	Min	-90.106	-89.874	-4.501	-3.42%	0.16%
	Std Dev	1.470	1.470	1.963	2.24%	4.01%



VDD=3.1V 1.29G IMD3 dBc2 P

Test Site		
Tester		
Test Number		
Max Limit	-72.01830957	dB
Min Limit	-101.4191346	dB

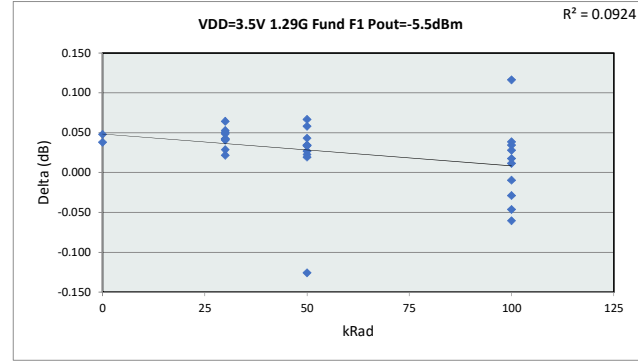
kRad	0	30	50	100
LL	-101.419	-101.419	-101.419	-101.419
Min	-89.067	-88.459	-88.527	-89.874
Average	-88.289	-86.043	-86.573	-87.226
Max	-87.510	-84.183	-84.352	-85.162
UL	-72.018	-72.018	-72.018	-72.018



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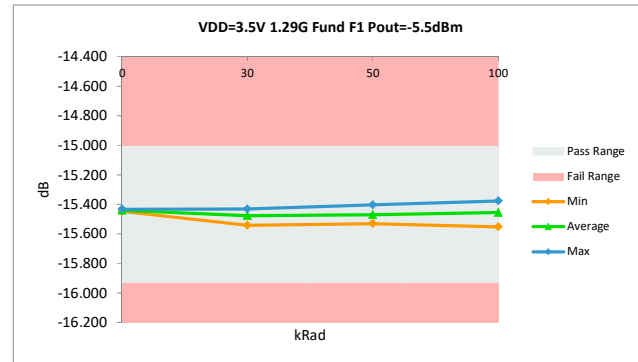
VDD=3.5V 1.29G Fund F1 Pout=	
Test Site	
Tester	
Test Number	
Unit	
Max Limit	-15.00337902
Min Limit	-15.92936578

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.400	-15.448	0.048	-0.31%	5.17%
0	C2	-15.395	-15.433	0.038	-0.25%	4.10%
30	1	-15.488	-15.541	0.053	-0.34%	5.67%
30	2	-15.423	-15.463	0.041	-0.26%	4.38%
30	3	-15.450	-15.492	0.042	-0.27%	4.53%
30	4	-15.420	-15.449	0.029	-0.19%	3.08%
30	5	-15.441	-15.463	0.022	-0.14%	2.33%
30	6 U	-15.370	-15.434	0.064	-0.42%	6.94%
30	7 U	-15.431	-15.482	0.050	-0.33%	5.44%
30	8 U	-15.430	-15.471	0.041	-0.27%	4.45%
30	9 U	-15.500	-15.542	0.042	-0.27%	4.57%
30	10 U	-15.384	-15.433	0.049	-0.32%	5.24%
50	11	-15.385	-15.404	0.019	-0.12%	2.08%
50	12	-15.437	-15.464	0.027	-0.17%	2.89%
50	13	-15.422	-15.456	0.033	-0.22%	3.61%
50	14	-15.505	-15.528	0.022	-0.14%	2.42%
50	15	-15.496	-15.530	0.034	-0.22%	3.68%
50	16 U	-15.400	-15.444	0.043	-0.28%	4.65%
50	17 U	-15.440	-15.507	0.067	-0.43%	7.20%
50	18 U	-15.465	-15.499	0.034	-0.22%	3.70%
50	19 U	-15.389	-15.447	0.058	-0.38%	6.25%
50	20 U	-15.555	-15.429	-0.126	0.81%	13.60%
100	21	-15.423	-15.539	0.116	-0.75%	12.56%
100	22	-15.460	-15.450	-0.010	0.06%	1.07%
100	23	-15.414	-15.385	-0.029	0.19%	3.13%
100	24	-15.438	-15.377	-0.061	0.39%	6.55%
100	25	-15.463	-15.417	-0.046	0.30%	5.01%
100	26 U	-15.431	-15.459	0.028	-0.18%	2.99%
100	27 U	-15.519	-15.553	0.034	-0.22%	3.71%
100	28 U	-15.459	-15.498	0.038	-0.25%	4.15%
100	29 U	-15.408	-15.419	0.011	-0.07%	1.24%
100	30 U	-15.450	-15.468	0.017	-0.11%	1.89%
Max		-15.370	-15.377	0.116	0.81%	13.60%
Average		-15.440	-15.466	0.026	-0.17%	4.63%
Min		-15.555	-15.553	-0.126	-0.75%	1.07%
Std Dev		0.043	0.046	0.043	0.28%	2.71%



VDD=3.5V 1.29G Fund F1 Pout=	
Test Site	
Tester	
Test Number	
Max Limit	-15.00337902
Min Limit	-15.92936578

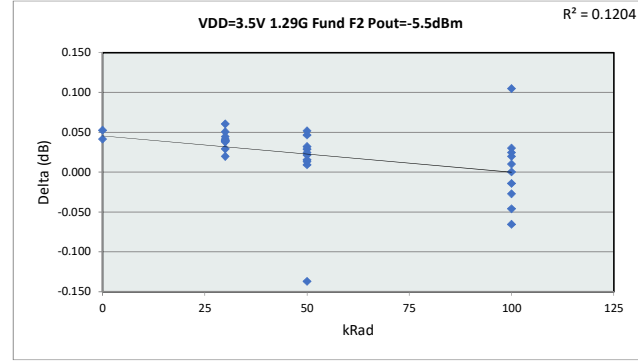
kRad	0	30	50	100
LL	-15.929	-15.929	-15.929	-15.929
Min	-15.448	-15.542	-15.530	-15.553
Average	-15.440	-15.477	-15.471	-15.457
Max	-15.433	-15.433	-15.404	-15.377
UL	-15.003	-15.003	-15.003	-15.003



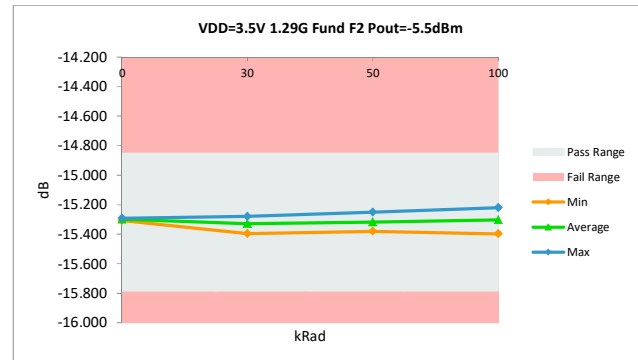
QMLP TID Report
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VDD=3.5V 1.29G Fund F2 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.84777374	-14.84777374
Min Limit	-15.78312998	-15.78312998

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.254	-15.307	0.052	-0.34%	5.61%
0	C2	-15.250	-15.291	0.041	-0.27%	4.41%
30	1	-15.346	-15.396	0.050	-0.33%	5.38%
30	2	-15.276	-15.317	0.041	-0.27%	4.42%
30	3	-15.301	-15.339	0.038	-0.25%	4.04%
30	4	-15.274	-15.303	0.029	-0.19%	3.11%
30	5	-15.298	-15.318	0.020	-0.13%	2.10%
30	6 U	-15.227	-15.288	0.060	-0.40%	6.45%
30	7 U	-15.287	-15.331	0.044	-0.29%	4.74%
30	8 U	-15.286	-15.325	0.039	-0.26%	4.22%
30	9 U	-15.357	-15.396	0.038	-0.25%	4.11%
30	10 U	-15.240	-15.280	0.040	-0.26%	4.26%
50	11	-15.243	-15.252	0.009	-0.06%	0.96%
50	12	-15.295	-15.308	0.013	-0.09%	1.40%
50	13	-15.279	-15.301	0.021	-0.14%	2.28%
50	14	-15.360	-15.376	0.015	-0.10%	1.62%
50	15	-15.351	-15.380	0.028	-0.18%	3.04%
50	16 U	-15.257	-15.289	0.032	-0.21%	3.40%
50	17 U	-15.301	-15.353	0.052	-0.34%	5.51%
50	18 U	-15.323	-15.347	0.024	-0.16%	2.62%
50	19 U	-15.245	-15.291	0.046	-0.30%	4.96%
50	20 U	-15.411	-15.274	-0.137	0.89%	14.68%
100	21	-15.283	-15.387	0.105	-0.68%	11.17%
100	22	-15.313	-15.299	-0.014	0.09%	1.53%
100	23	-15.264	-15.236	-0.027	0.18%	2.94%
100	24	-15.286	-15.220	-0.066	0.43%	7.03%
100	25	-15.313	-15.267	-0.046	0.30%	4.93%
100	26 U	-15.288	-15.308	0.020	-0.13%	2.10%
100	27 U	-15.373	-15.397	0.024	-0.16%	2.61%
100	28 U	-15.315	-15.345	0.030	-0.20%	3.20%
100	29 U	-15.262	-15.262	0.000	0.00%	0.00%
100	30 U	-15.302	-15.312	0.010	-0.06%	1.06%
	Max	-15.227	-15.220	0.105	0.89%	14.68%
	Average	-15.296	-15.315	0.020	-0.13%	4.06%
	Min	-15.411	-15.397	-0.137	-0.68%	0.00%
	Std Dev	0.043	0.047	0.043	0.28%	2.90%



VDD=3.5V 1.29G Fund F2 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-14.84777374		dB	
Min Limit	-15.78312998		dB	
kRad	0	30	50	100
LL	-15.783	-15.783	-15.783	-15.783
Min	-15.307	-15.396	-15.380	-15.397
Average	-15.299	-15.329	-15.317	-15.303
Max	-15.291	-15.280	-15.252	-15.220
UL	-14.848	-14.848	-14.848	-14.848

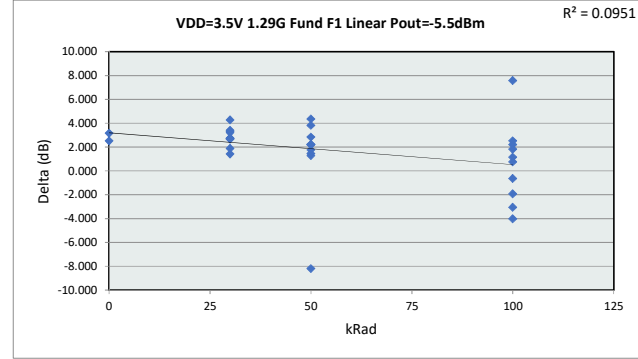


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VDD=3.5V 1.29G Fund F1 Linea

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	314.2935579	314.2935579
Min Limit	253.7958014	253.7958014

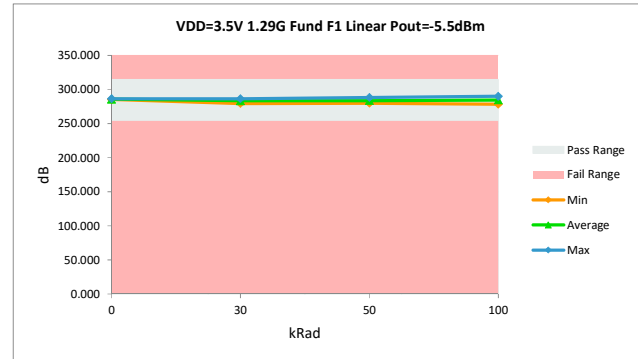
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	288.401	285.238	3.163	1.10%	5.23%
0	C2	288.754	286.242	2.512	0.87%	4.15%
30	1	282.591	279.193	3.398	1.20%	5.62%
30	2	286.902	284.234	2.669	0.93%	4.41%
30	3	285.101	282.359	2.743	0.96%	4.53%
30	4	287.065	285.183	1.882	0.66%	3.11%
30	5	285.668	284.253	1.415	0.50%	2.34%
30	6 U	290.403	286.137	4.266	1.47%	7.05%
30	7 U	286.339	283.039	3.299	1.15%	5.45%
30	8 U	286.410	283.708	2.702	0.94%	4.47%
30	9 U	281.845	279.110	2.736	0.97%	4.52%
30	10 U	289.454	286.237	3.217	1.11%	5.32%
50	11	289.415	288.137	1.278	0.44%	2.11%
50	12	285.924	284.170	1.755	0.61%	2.90%
50	13	286.925	284.725	2.201	0.77%	3.64%
50	14	281.487	280.040	1.447	0.51%	2.39%
50	15	282.096	279.889	2.207	0.78%	3.65%
50	16 U	288.372	285.526	2.846	0.99%	4.70%
50	17 U	285.728	281.376	4.352	1.52%	7.19%
50	18 U	284.125	281.894	2.231	0.79%	3.69%
50	19 U	289.123	285.294	3.829	1.32%	6.33%
50	20 U	278.278	286.468	-8.190	-2.94%	13.54%
100	21	286.873	279.294	7.579	2.64%	12.53%
100	22	284.458	285.105	-0.648	-0.23%	1.07%
100	23	287.448	289.376	-1.927	-0.67%	3.19%
100	24	285.921	289.943	-4.022	-1.41%	6.65%
100	25	284.229	287.282	-3.053	-1.07%	5.05%
100	26 U	286.364	284.542	1.822	0.64%	3.01%
100	27 U	280.626	278.418	2.208	0.79%	3.65%
100	28 U	284.480	281.972	2.509	0.88%	4.15%
100	29 U	287.879	287.120	0.759	0.26%	1.25%
100	30 U	285.072	283.928	1.144	0.40%	1.89%
Max		290.403	289.943	7.579	2.64%	13.54%
Average		285.742	284.045	1.698	0.59%	4.65%
Min		278.278	278.418	-8.190	-2.94%	1.07%
Std Dev		2.814	3.025	2.804	0.99%	2.70%



VDD=3.5V 1.29G Fund F1 Line

Test Site		
Tester		
Test Number		
Max Limit	314.2935579	dB
Min Limit	253.7958014	dB

kRad	0	30	50	100
LL	253.796	253.796	253.796	253.796
Min	285.238	279.110	279.889	278.418
Average	285.740	283.345	283.752	284.698
Max	286.242	286.237	288.137	289.943
UL	314.294	314.294	314.294	314.294

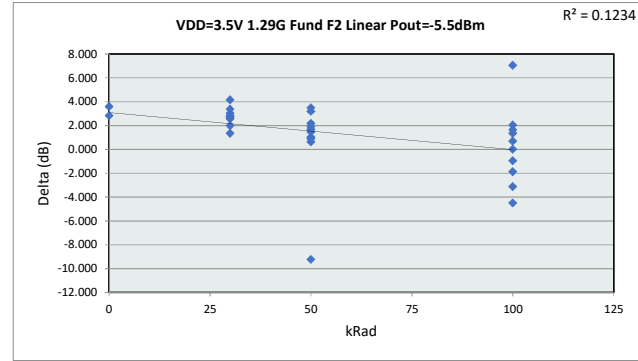


QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G Fund F2 Linea

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	325.7337317	325.7337317
Min Limit	262.4448362	262.4448362

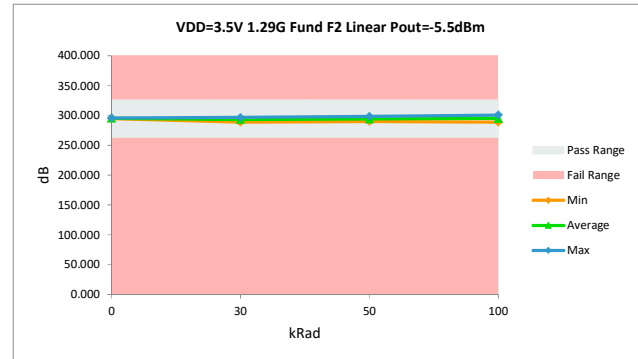
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	298.236	294.657	3.579	1.20%	5.65%
0	C2	298.530	295.706	2.824	0.95%	4.46%
30	1	292.022	288.655	3.367	1.15%	5.32%
30	2	296.746	293.935	2.811	0.95%	4.44%
30	3	295.031	292.474	2.557	0.87%	4.04%
30	4	296.895	294.913	1.982	0.67%	3.13%
30	5	295.260	293.929	1.331	0.45%	2.10%
30	6 U	300.100	295.959	4.141	1.38%	6.54%
30	7 U	296.007	292.999	3.008	1.02%	4.75%
30	8 U	296.090	293.414	2.676	0.90%	4.23%
30	9 U	291.255	288.687	2.568	0.88%	4.06%
30	10 U	299.238	296.506	2.732	0.91%	4.32%
50	11	299.050	298.435	0.615	0.21%	0.97%
50	12	295.440	294.553	0.887	0.30%	1.40%
50	13	296.522	295.067	1.455	0.49%	2.30%
50	14	291.039	290.024	1.015	0.35%	1.60%
50	15	291.663	289.762	1.901	0.65%	3.00%
50	16 U	298.030	295.855	2.175	0.73%	3.44%
50	17 U	295.044	291.565	3.479	1.18%	5.50%
50	18 U	293.590	291.939	1.651	0.56%	2.61%
50	19 U	298.895	295.719	3.176	1.06%	5.02%
50	20 U	287.662	296.904	-9.242	-3.21%	14.60%
100	21	296.301	289.255	7.046	2.38%	11.13%
100	22	294.240	295.214	-0.973	-0.33%	1.54%
100	23	297.589	299.480	-1.890	-0.64%	2.99%
100	24	296.099	300.617	-4.518	-1.53%	7.14%
100	25	294.222	297.360	-3.138	-1.07%	4.96%
100	26 U	295.942	294.609	1.333	0.45%	2.11%
100	27 U	290.229	288.603	1.626	0.56%	2.57%
100	28 U	294.104	292.082	2.023	0.69%	3.20%
100	29 U	297.701	297.698	0.003	0.00%	0.01%
100	30 U	294.957	294.283	0.674	0.23%	1.07%
	Max	300.100	300.617	7.046	2.38%	14.60%
	Average	295.429	294.089	1.340	0.45%	4.07%
	Min	287.662	288.603	-9.242	-3.21%	0.01%
	Std Dev	2.903	3.164	2.888	0.99%	2.89%



VDD=3.5V 1.29G Fund F2 Line

Test Site		
Tester		
Test Number		
Max Limit	325.7337317	dB
Min Limit	262.4448362	dB

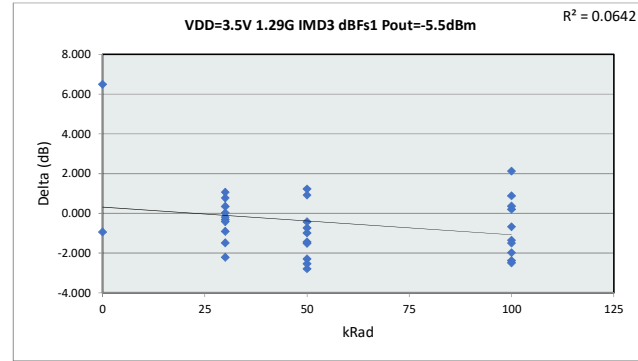
kRad	0	30	50	100
LL	262.445	262.445	262.445	262.445
Min	294.657	288.655	289.762	288.603
Average	295.181	293.147	293.982	294.920
Max	295.706	296.506	298.435	300.617
UL	325.734	325.734	325.734	325.734



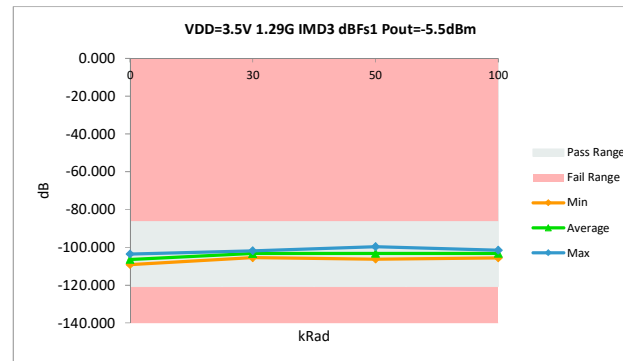
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G IMD3 dBFs1 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-86.11204921	-86.11204921
Min Limit	-120.7049521	-120.7049521

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-104.508	-103.574	-0.934	0.89%	2.70%
0	C2	-102.685	-109.180	6.495	-6.32%	18.78%
30	1	-103.223	-102.912	-0.310	0.30%	0.90%
30	2	-102.267	-103.330	1.063	-1.04%	3.07%
30	3	-102.278	-102.630	0.352	-0.34%	1.02%
30	4	-105.459	-105.477	0.018	-0.02%	0.05%
30	5	-107.601	-105.394	-2.207	2.05%	6.38%
30	6 U	-103.898	-102.414	-1.484	1.43%	4.29%
30	7 U	-102.019	-101.830	-0.189	0.18%	0.54%
30	8 U	-104.036	-103.623	-0.413	0.40%	1.19%
30	9 U	-102.934	-102.032	-0.903	0.88%	2.61%
30	10 U	-102.315	-103.093	0.778	-0.76%	2.25%
50	11	-102.995	-104.228	1.233	-1.20%	3.56%
50	12	-107.700	-106.258	-1.443	1.34%	4.17%
50	13	-102.751	-103.670	0.919	-0.89%	2.66%
50	14	-104.709	-101.917	-2.793	2.67%	8.07%
50	15	-102.270	-101.284	-0.986	0.96%	2.85%
50	16 U	-103.524	-103.105	-0.419	0.40%	1.21%
50	17 U	-106.320	-103.788	-2.533	2.38%	7.32%
50	18 U	-101.987	-99.693	-2.293	2.25%	6.63%
50	19 U	-104.408	-103.677	-0.731	0.70%	2.11%
50	20 U	-105.385	-103.881	-1.503	1.43%	4.35%
100	21	-106.090	-103.598	-2.493	2.35%	7.21%
100	22	-104.070	-103.393	-0.677	0.65%	1.96%
100	23	-101.507	-101.873	0.367	-0.36%	1.06%
100	24	-105.477	-103.101	-2.376	2.25%	6.87%
100	25	-106.878	-104.897	-1.981	1.85%	5.73%
100	26 U	-103.500	-105.626	2.125	-2.05%	6.14%
100	27 U	-101.680	-102.565	0.886	-0.87%	2.56%
100	28 U	-102.988	-101.492	-1.496	1.45%	4.33%
100	29 U	-102.734	-102.934	0.200	-0.20%	0.58%
100	30 U	-103.953	-102.605	-1.348	1.30%	3.90%
	Max	-101.507	-99.693	6.495	2.67%	18.78%
	Average	-103.880	-103.409	-0.471	0.44%	3.97%
	Min	-107.700	-109.180	-2.793	-6.32%	0.05%
	Std Dev	1.722	1.730	1.793	1.73%	3.54%



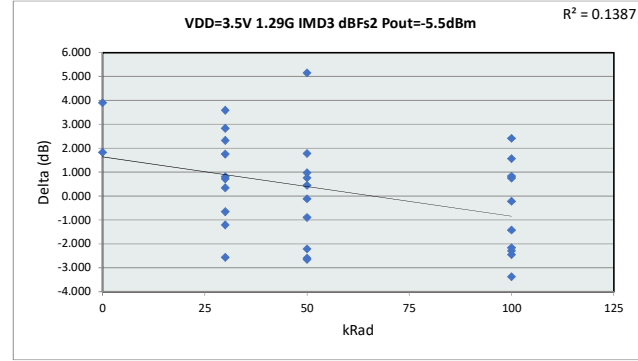
VDD=3.5V 1.29G IMD3 dBFs1				
Test Site				
Tester				
Test Number				
Max Limit	-86.11204921		dB	
Min Limit	-120.7049521		dB	
kRad	0	30	50	100
LL	-120.705	-120.705	-120.705	-120.705
Min	-109.180	-105.477	-106.258	-105.626
Average	-106.377	-103.273	-103.150	-103.208
Max	-103.574	-101.830	-99.693	-101.492
UL	-86.112	-86.112	-86.112	-86.112



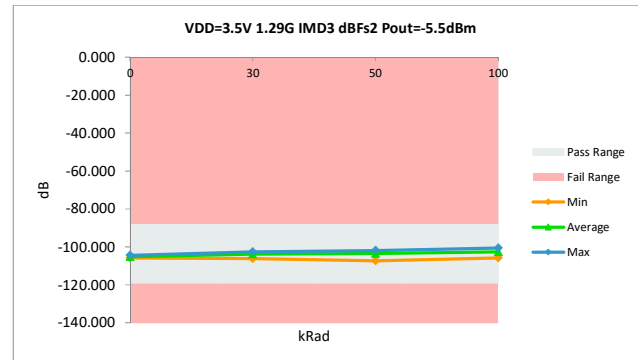
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G IMD3 dBFs2 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-87.89538262	-87.89538262
Min Limit	-118.9682238	-118.9682238

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-101.961	-105.853	3.892	-3.82%	12.53%
0	C2	-102.609	-104.430	1.821	-1.77%	5.86%
30	1	-99.304	-102.887	3.583	-3.61%	11.53%
30	2	-103.439	-102.781	-0.658	0.64%	2.12%
30	3	-102.911	-105.228	2.317	-2.25%	7.46%
30	4	-105.512	-106.223	0.711	-0.67%	2.29%
30	5	-106.570	-104.000	-2.570	2.41%	8.27%
30	6 U	-104.614	-103.403	-1.211	1.16%	3.90%
30	7 U	-101.792	-102.592	0.800	-0.79%	2.57%
30	8 U	-103.463	-103.801	0.338	-0.33%	1.09%
30	9 U	-100.922	-102.673	1.751	-1.74%	5.64%
30	10 U	-102.007	-104.835	2.828	-2.77%	9.10%
50	11	-106.029	-103.427	-2.601	2.45%	8.37%
50	12	-102.185	-102.940	0.755	-0.74%	2.43%
50	13	-104.720	-102.507	-2.213	2.11%	7.12%
50	14	-103.398	-102.495	-0.903	0.87%	2.91%
50	15	-100.136	-101.905	1.770	-1.77%	5.70%
50	16 U	-102.258	-107.406	5.148	-5.03%	16.57%
50	17 U	-104.256	-104.130	-0.125	0.12%	0.40%
50	18 U	-102.609	-103.583	0.974	-0.95%	3.13%
50	19 U	-105.143	-102.483	-2.660	2.53%	8.56%
50	20 U	-103.324	-103.767	0.443	-0.43%	1.43%
100	21	-105.054	-102.592	-2.462	2.34%	7.92%
100	22	-104.232	-105.791	1.559	-1.50%	5.02%
100	23	-102.701	-100.535	-2.166	2.11%	6.97%
100	24	-102.269	-104.676	2.407	-2.35%	7.75%
100	25	-105.076	-102.781	-2.295	2.18%	7.39%
100	26 U	-102.961	-102.738	-0.223	0.22%	0.72%
100	27 U	-103.983	-100.600	-3.383	3.25%	10.89%
100	28 U	-100.422	-101.248	0.826	-0.82%	2.66%
100	29 U	-104.385	-102.953	-1.432	1.37%	4.61%
100	30 U	-101.810	-102.555	0.745	-0.73%	2.40%
	Max	-99.304	-100.535	5.148	3.25%	16.57%
	Average	-103.189	-103.432	0.243	-0.26%	5.79%
	Min	-106.570	-107.406	-3.383	-5.03%	0.40%
	Std Dev	1.726	1.554	2.167	2.10%	3.83%



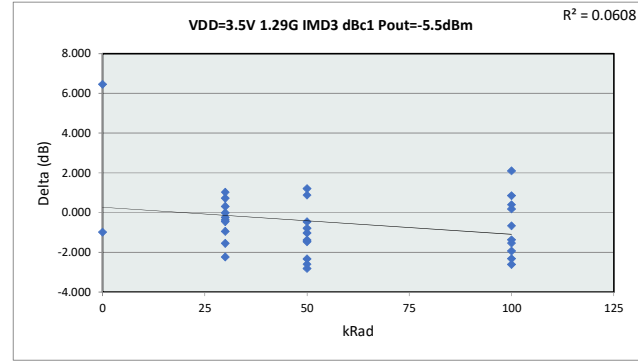
VDD=3.5V 1.29G IMD3 dBFs2				
Test Site				
Tester				
Test Number				
Max Limit	-87.89538262		dB	
Min Limit	-118.9682238		dB	
kRad	0	30	50	100
LL	-118.968	-118.968	-118.968	-118.968
Min	-105.853	-106.223	-107.406	-105.791
Average	-105.141	-103.842	-103.464	-102.647
Max	-104.430	-102.592	-101.905	-100.535
UL	-87.895	-87.895	-87.895	-87.895



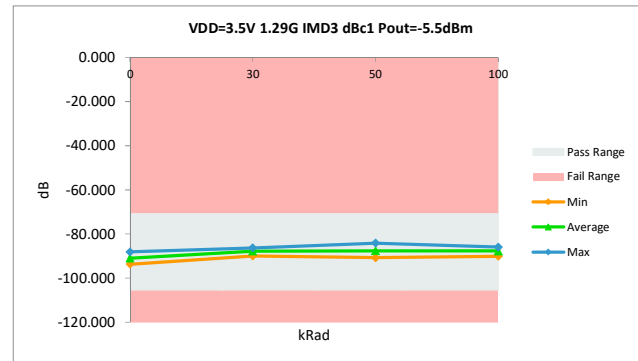
QMLP TID Report
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VDD=3.5V 1.29G IMD3 dBc1 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-70.48560459	-70.48560459
Min Limit	-105.3986527	-105.3986527

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-89.108	-88.126	-0.982	1.10%	2.81%
0	C2	-87.291	-93.748	6.457	-7.40%	18.49%
30	1	-87.734	-87.371	-0.363	0.41%	1.04%
30	2	-86.844	-87.867	1.022	-1.18%	2.93%
30	3	-86.828	-87.138	0.310	-0.36%	0.89%
30	4	-90.039	-90.028	-0.011	0.01%	0.03%
30	5	-92.159	-89.931	-2.228	2.42%	6.38%
30	6 U	-88.528	-86.980	-1.549	1.75%	4.44%
30	7 U	-86.587	-86.349	-0.239	0.28%	0.68%
30	8 U	-88.606	-88.151	-0.454	0.51%	1.30%
30	9 U	-87.434	-86.489	-0.945	1.08%	2.71%
30	10 U	-86.931	-87.660	0.729	-0.84%	2.09%
50	11	-87.610	-88.824	1.213	-1.39%	3.48%
50	12	-92.263	-90.793	-1.469	1.59%	4.21%
50	13	-87.329	-88.215	0.886	-1.01%	2.54%
50	14	-89.204	-86.389	-2.815	3.16%	8.06%
50	15	-86.774	-85.754	-1.020	1.18%	2.92%
50	16 U	-88.123	-87.661	-0.462	0.52%	1.32%
50	17 U	-90.880	-88.280	-2.599	2.86%	7.45%
50	18 U	-86.522	-84.194	-2.327	2.69%	6.67%
50	19 U	-89.019	-88.230	-0.789	0.89%	2.26%
50	20 U	-89.829	-88.452	-1.377	1.53%	3.94%
100	21	-90.667	-88.058	-2.609	2.88%	7.47%
100	22	-88.610	-87.943	-0.667	0.75%	1.91%
100	23	-86.092	-86.488	0.396	-0.46%	1.13%
100	24	-90.039	-87.724	-2.315	2.57%	6.63%
100	25	-91.415	-89.480	-1.935	2.12%	5.54%
100	26 U	-88.069	-90.167	2.098	-2.38%	6.01%
100	27 U	-86.161	-87.012	0.851	-0.99%	2.44%
100	28 U	-87.529	-85.994	-1.535	1.75%	4.40%
100	29 U	-87.326	-87.515	0.189	-0.22%	0.54%
100	30 U	-88.503	-87.137	-1.366	1.54%	3.91%
	Max	-86.092	-84.194	6.457	3.16%	18.49%
	Average	-88.439	-87.942	-0.497	0.54%	3.96%
	Min	-92.263	-93.748	-2.815	-7.40%	0.03%
	Std Dev	1.721	1.746	1.789	2.03%	3.49%



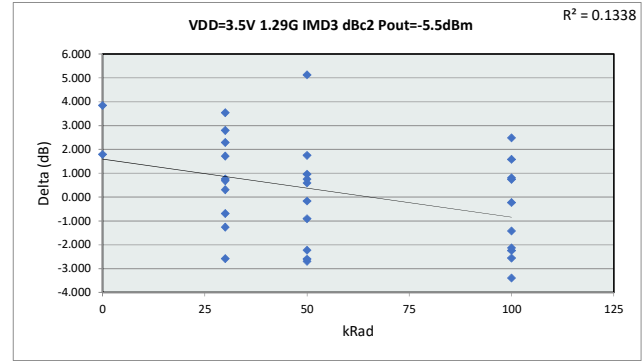
VDD=3.5V 1.29G IMD3 dBc1 Pout=-5.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-70.48560459			dB
Min Limit	-105.3986527			dB
kRad	0	30	50	100
LL	-105.399	-105.399	-105.399	-105.399
Min	-93.748	-90.028	-90.793	-90.167
Average	-90.937	-87.796	-87.679	-87.752
Max	-88.126	-86.349	-84.194	-85.994
UL	-70.486	-70.486	-70.486	-70.486



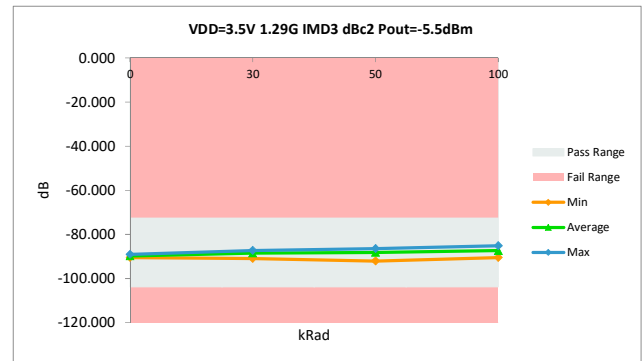
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G IMD3 dBc2 Po		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-72.44424123	-72.44424123
Min Limit	-103.7884625	-103.7884625

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-86.707	-90.546	3.840	-4.43%	12.25%
0	C2	-87.358	-89.138	1.780	-2.04%	5.68%
30	1	-83.958	-87.490	3.532	-4.21%	11.27%
30	2	-88.163	-87.463	-0.700	0.79%	2.23%
30	3	-87.610	-89.889	2.279	-2.60%	7.27%
30	4	-90.238	-90.920	0.682	-0.76%	2.17%
30	5	-91.272	-88.682	-2.589	2.84%	8.26%
30	6 U	-89.387	-88.116	-1.271	1.42%	4.06%
30	7 U	-86.505	-87.261	0.756	-0.87%	2.41%
30	8 U	-88.177	-88.475	0.298	-0.34%	0.95%
30	9 U	-85.565	-87.278	1.713	-2.00%	5.46%
30	10 U	-86.768	-89.555	2.788	-3.21%	8.89%
50	11	-90.786	-88.176	-2.610	2.88%	8.33%
50	12	-86.890	-87.632	0.742	-0.85%	2.37%
50	13	-89.441	-87.206	-2.235	2.50%	7.13%
50	14	-88.038	-87.119	-0.919	1.04%	2.93%
50	15	-84.784	-86.526	1.741	-2.05%	5.56%
50	16 U	-87.001	-92.117	5.116	-5.88%	16.32%
50	17 U	-88.955	-88.778	-0.177	0.20%	0.56%
50	18 U	-87.286	-88.236	0.950	-1.09%	3.03%
50	19 U	-89.898	-87.191	-2.706	3.01%	8.63%
50	20 U	-87.913	-88.493	0.581	-0.66%	1.85%
100	21	-89.771	-87.205	-2.567	2.86%	8.19%
100	22	-88.919	-90.492	1.574	-1.77%	5.02%
100	23	-87.437	-85.299	-2.138	2.45%	6.82%
100	24	-86.983	-89.456	2.473	-2.84%	7.89%
100	25	-89.762	-87.513	-2.249	2.51%	7.18%
100	26 U	-87.673	-87.431	-0.242	0.28%	0.77%
100	27 U	-88.610	-85.203	-3.407	3.85%	10.87%
100	28 U	-85.107	-85.903	0.796	-0.94%	2.54%
100	29 U	-89.123	-87.691	-1.432	1.61%	4.57%
100	30 U	-86.508	-87.243	0.735	-0.85%	2.34%
	Max	-83.958	-85.203	5.116	3.85%	16.32%
	Average	-87.893	-88.116	0.223	-0.29%	5.74%
	Min	-91.272	-92.117	-3.407	-5.88%	0.56%
	Std Dev	1.740	1.567	2.165	2.47%	3.77%



VDD=3.5V 1.29G IMD3 dBc2 P				
Test Site				
Tester				
Test Number				
Max Limit	-72.44424123		dB	
Min Limit	-103.7884625		dB	
kRad	0	30	50	100
LL	-103.788	-103.788	-103.788	-103.788
Min	-90.546	-90.920	-92.117	-90.492
Average	-89.842	-88.513	-88.147	-87.344
Max	-89.138	-87.261	-86.526	-85.203
UL	-72.444	-72.444	-72.444	-72.444

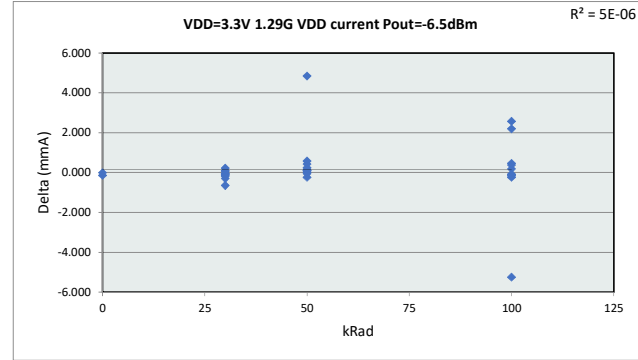


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G VDD current P

Test Site		
Tester		
Test Number		
Unit	mmA	mmA
Max Limit	168.0702094	168.0702094
Min Limit	130.8249866	130.8249866

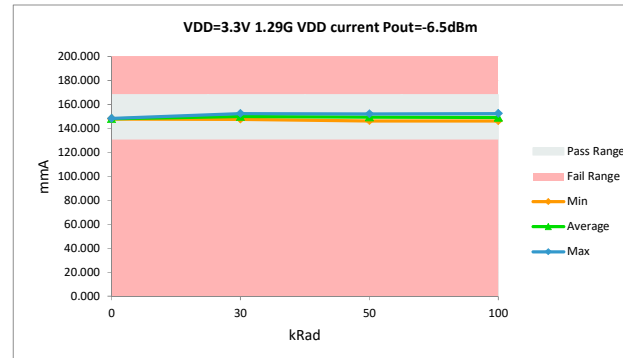
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	148.128	148.275	-0.147	-0.10%	0.40%
0	C2	147.859	147.872	-0.013	-0.01%	0.03%
30	1	149.575	149.648	-0.073	-0.05%	0.20%
30	2	149.400	149.496	-0.095	-0.06%	0.26%
30	3	152.168	152.476	-0.308	-0.20%	0.83%
30	4	147.421	147.601	-0.180	-0.12%	0.48%
30	5	151.840	151.745	0.095	0.06%	0.26%
30	6 U	148.570	148.696	-0.126	-0.09%	0.34%
30	7 U	149.734	149.519	0.214	0.14%	0.58%
30	8 U	148.029	148.682	-0.653	-0.44%	1.75%
30	9 U	151.094	151.151	-0.057	-0.04%	0.15%
30	10 U	149.699	149.669	0.030	0.02%	0.08%
50	11	148.828	148.251	0.577	0.39%	1.55%
50	12	152.161	151.743	0.418	0.27%	1.12%
50	13	148.642	148.547	0.095	0.06%	0.26%
50	14	150.089	149.962	0.127	0.08%	0.34%
50	15	152.152	152.058	0.094	0.06%	0.25%
50	16 U	146.031	146.275	-0.244	-0.17%	0.66%
50	17 U	150.024	150.092	-0.068	-0.05%	0.18%
50	18 U	151.372	151.137	0.235	0.16%	0.63%
50	19 U	149.585	149.585	0.000	0.00%	0.00%
50	20 U	152.418	147.579	4.839	3.18%	12.99%
100	21	147.009	152.262	-5.252	-3.57%	14.10%
100	22	148.211	147.842	0.369	0.25%	0.99%
100	23	148.543	148.083	0.460	0.31%	1.24%
100	24	148.921	146.356	2.565	1.72%	6.89%
100	25	150.090	147.900	2.189	1.46%	5.88%
100	26 U	146.782	146.866	-0.084	-0.06%	0.22%
100	27 U	152.510	152.328	0.182	0.12%	0.49%
100	28 U	152.156	152.398	-0.242	-0.16%	0.65%
100	29 U	147.994	148.113	-0.119	-0.08%	0.32%
100	30 U	149.944	150.117	-0.172	-0.12%	0.46%
	Max	152.510	152.476	4.839	3.18%	14.10%
	Average	149.593	149.448	0.145	0.09%	1.71%
	Min	146.031	146.275	-5.252	-3.57%	0.00%
	Std Dev	1.817	1.862	1.431	0.96%	3.45%



VDD=3.3V 1.29G VDD current

Test Site		
Tester		
Test Number		
Max Limit	168.0702094	mmA
Min Limit	130.8249866	mmA

kRad	0	30	50	100
LL	130.825	130.825	130.825	130.825
Min	147.872	147.601	146.275	146.356
Average	148.073	149.868	149.523	149.226
Max	148.275	152.476	152.058	152.398
UL	168.070	168.070	168.070	168.070

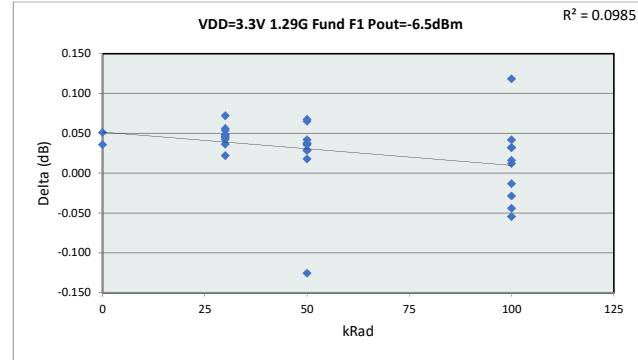


QMLP TID Report

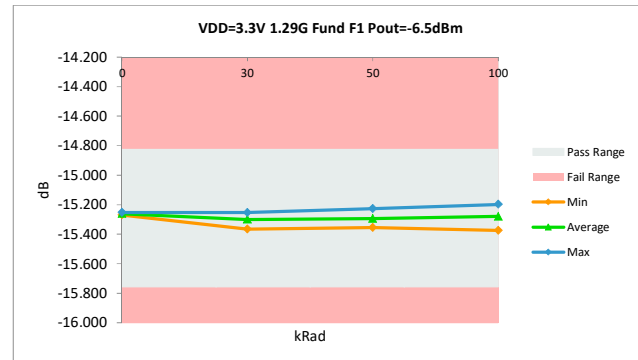
TRF0208 QMLP

VDD=3.3V 1.29G Fund F1 Pout=-6.5dBm		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.82196076	-14.82196076
Min Limit	-15.75650822	-15.75650822

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.219	-15.269	0.051	-0.33%	5.44%
0	C2	-15.217	-15.252	0.035	-0.23%	3.79%
30	1	-15.310	-15.366	0.056	-0.36%	5.95%
30	2	-15.242	-15.287	0.045	-0.30%	4.82%
30	3	-15.270	-15.312	0.042	-0.27%	4.48%
30	4	-15.237	-15.273	0.036	-0.24%	3.87%
30	5	-15.262	-15.284	0.022	-0.14%	2.32%
30	6 U	-15.188	-15.260	0.072	-0.47%	7.69%
30	7 U	-15.252	-15.305	0.054	-0.35%	5.73%
30	8 U	-15.251	-15.295	0.044	-0.29%	4.74%
30	9 U	-15.318	-15.365	0.047	-0.31%	5.06%
30	10 U	-15.205	-15.254	0.048	-0.32%	5.17%
50	11	-15.209	-15.227	0.018	-0.12%	1.89%
50	12	-15.259	-15.288	0.029	-0.19%	3.08%
50	13	-15.244	-15.282	0.037	-0.25%	4.00%
50	14	-15.323	-15.351	0.028	-0.18%	3.02%
50	15	-15.318	-15.355	0.037	-0.24%	3.94%
50	16 U	-15.225	-15.267	0.042	-0.27%	4.47%
50	17 U	-15.263	-15.331	0.067	-0.44%	7.19%
50	18 U	-15.286	-15.322	0.036	-0.23%	3.80%
50	19 U	-15.205	-15.270	0.065	-0.43%	6.95%
50	20 U	-15.376	-15.251	-0.126	0.82%	13.45%
100	21	-15.245	-15.363	0.118	-0.77%	12.64%
100	22	-15.283	-15.270	-0.013	0.09%	1.43%
100	23	-15.237	-15.208	-0.029	0.19%	3.10%
100	24	-15.253	-15.198	-0.055	0.36%	5.85%
100	25	-15.283	-15.239	-0.044	0.29%	4.74%
100	26 U	-15.254	-15.285	0.032	-0.21%	3.42%
100	27 U	-15.343	-15.375	0.032	-0.21%	3.40%
100	28 U	-15.280	-15.321	0.041	-0.27%	4.43%
100	29 U	-15.230	-15.242	0.012	-0.08%	1.27%
100	30 U	-15.274	-15.290	0.016	-0.10%	1.71%
	Max	-15.188	-15.198	0.118	0.82%	13.45%
	Average	-15.261	-15.289	0.028	-0.18%	4.78%
	Min	-15.376	-15.375	-0.126	-0.77%	1.27%
	Std Dev	0.043	0.047	0.043	0.28%	2.69%



VDD=3.3V 1.29G Fund F1 Pout=-6.5dBm					
Test Site					
Tester					
Test Number					
Max Limit	-14.82196076		dB		
Min Limit	-15.75650822		dB		
	kRad	0	30	50	100
LL		-15.757	-15.757	-15.757	-15.757
Min		-15.269	-15.366	-15.355	-15.375
Average		-15.261	-15.300	-15.294	-15.279
Max		-15.252	-15.254	-15.227	-15.198
UL		-14.822	-14.822	-14.822	-14.822

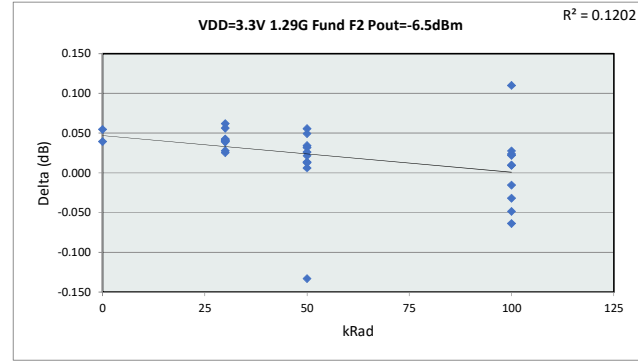


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G Fund F2 Pout=

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.88762555	-14.88762555
Min Limit	-15.83117493	-15.83117493

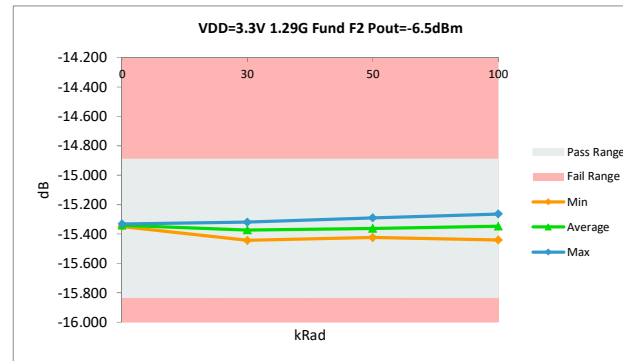
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.296	-15.350	0.055	-0.36%	5.79%
0	C2	-15.292	-15.332	0.039	-0.26%	4.17%
30	1	-15.387	-15.444	0.056	-0.37%	5.96%
30	2	-15.320	-15.360	0.040	-0.26%	4.26%
30	3	-15.346	-15.387	0.042	-0.27%	4.41%
30	4	-15.317	-15.345	0.028	-0.18%	2.96%
30	5	-15.339	-15.364	0.025	-0.17%	2.68%
30	6 U	-15.267	-15.329	0.062	-0.40%	6.55%
30	7 U	-15.333	-15.375	0.043	-0.28%	4.51%
30	8 U	-15.327	-15.368	0.040	-0.26%	4.27%
30	9 U	-15.400	-15.439	0.039	-0.25%	4.13%
30	10 U	-15.281	-15.321	0.040	-0.26%	4.23%
50	11	-15.285	-15.291	0.006	-0.04%	0.64%
50	12	-15.339	-15.353	0.014	-0.09%	1.44%
50	13	-15.320	-15.346	0.026	-0.17%	2.76%
50	14	-15.405	-15.418	0.013	-0.08%	1.37%
50	15	-15.392	-15.424	0.032	-0.21%	3.39%
50	16 U	-15.303	-15.338	0.034	-0.22%	3.64%
50	17 U	-15.344	-15.400	0.056	-0.36%	5.90%
50	18 U	-15.369	-15.391	0.022	-0.14%	2.29%
50	19 U	-15.285	-15.334	0.049	-0.32%	5.22%
50	20 U	-15.453	-15.320	-0.133	0.86%	14.10%
100	21	-15.321	-15.431	0.110	-0.72%	11.65%
100	22	-15.355	-15.340	-0.015	0.10%	1.64%
100	23	-15.312	-15.280	-0.032	0.21%	3.39%
100	24	-15.328	-15.264	-0.064	0.42%	6.75%
100	25	-15.358	-15.309	-0.048	0.32%	5.14%
100	26 U	-15.331	-15.353	0.022	-0.14%	2.33%
100	27 U	-15.417	-15.441	0.024	-0.15%	2.52%
100	28 U	-15.358	-15.386	0.028	-0.18%	2.93%
100	29 U	-15.302	-15.311	0.010	-0.06%	1.03%
100	30 U	-15.347	-15.357	0.009	-0.06%	1.00%
	Max	-15.267	-15.264	0.110	0.86%	14.10%
	Average	-15.338	-15.359	0.021	-0.14%	4.16%
	Min	-15.453	-15.444	-0.133	-0.72%	0.64%
	Std Dev	0.043	0.047	0.043	0.28%	2.84%



VDD=3.3V 1.29G Fund F2 Pout=

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.88762555	dB
Min Limit	-15.83117493	dB

kRad	0	30	50	100
LL	-15.831	-15.831	-15.831	-15.831
Min	-15.350	-15.444	-15.424	-15.441
Average	-15.341	-15.373	-15.361	-15.347
Max	-15.332	-15.321	-15.291	-15.264
UL	-14.888	-14.888	-14.888	-14.888

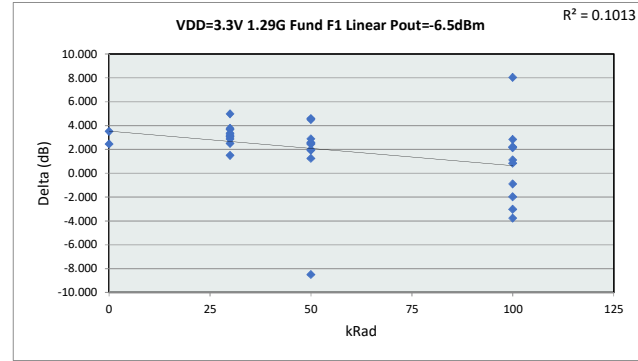


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G Fund F1 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	327.6706905	327.6706905
Min Limit	264.0692482	264.0692482

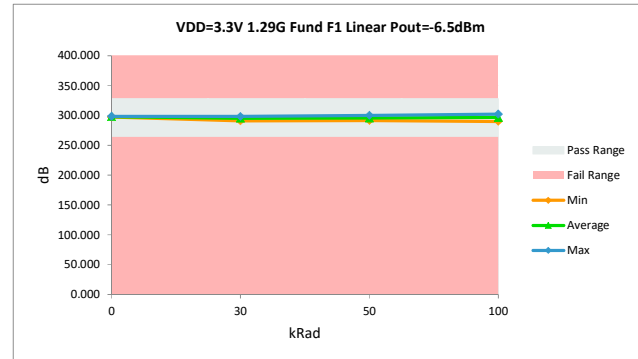
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	300.708	297.208	3.500	1.16%	5.50%
0	C2	300.837	298.397	2.441	0.81%	3.84%
30	1	294.434	290.686	3.748	1.27%	5.89%
30	2	299.107	296.019	3.088	1.03%	4.86%
30	3	297.170	294.318	2.852	0.96%	4.48%
30	4	299.446	296.964	2.482	0.83%	3.90%
30	5	297.724	296.238	1.486	0.50%	2.34%
30	6 U	302.847	297.877	4.970	1.64%	7.81%
30	7 U	298.435	294.775	3.660	1.23%	5.75%
30	8 U	298.491	295.461	3.030	1.02%	4.76%
30	9 U	293.903	290.718	3.185	1.08%	5.01%
30	10 U	301.615	298.280	3.335	1.11%	5.24%
50	11	301.376	300.152	1.224	0.41%	1.92%
50	12	297.933	295.968	1.965	0.66%	3.09%
50	13	298.946	296.381	2.565	0.86%	4.03%
50	14	293.562	291.657	1.904	0.65%	2.99%
50	15	293.891	291.412	2.480	0.84%	3.90%
50	16 U	300.280	297.406	2.874	0.96%	4.52%
50	17 U	297.626	293.054	4.572	1.54%	7.19%
50	18 U	296.064	293.653	2.411	0.81%	3.79%
50	19 U	301.617	297.137	4.479	1.49%	7.04%
50	20 U	289.973	298.490	-8.517	-2.94%	13.39%
100	21	298.900	290.880	8.020	2.68%	12.61%
100	22	296.253	297.166	-0.913	-0.31%	1.44%
100	23	299.409	301.410	-2.001	-0.67%	3.15%
100	24	298.347	302.129	-3.782	-1.27%	5.95%
100	25	296.271	299.307	-3.036	-1.02%	4.77%
100	26 U	298.296	296.109	2.187	0.73%	3.44%
100	27 U	292.202	290.070	2.131	0.73%	3.35%
100	28 U	296.480	293.667	2.813	0.95%	4.42%
100	29 U	299.885	299.067	0.818	0.27%	1.29%
100	30 U	296.877	295.785	1.093	0.37%	1.72%
	Max	302.847	302.129	8.020	2.68%	13.39%
	Average	297.778	295.870	1.908	0.64%	4.79%
	Min	289.973	290.070	-8.517	-2.94%	1.29%
	Std Dev	2.949	3.180	2.959	1.00%	2.69%



VDD=3.3V 1.29G Fund F1 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	327.6706905	327.6706905
Min Limit	264.0692482	264.0692482

kRad	0	30	50	100
LL	264.069	264.069	264.069	264.069
Min	297.208	290.686	291.412	290.070
Average	297.803	295.134	295.531	296.559
Max	298.397	298.280	300.152	302.129
UL	327.671	327.671	327.671	327.671

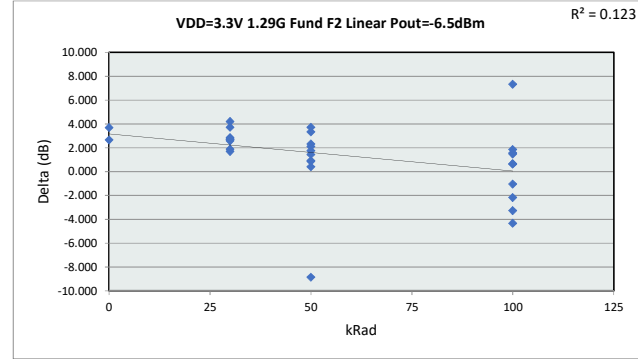


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G Fund F2 Linea

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	322.727011	322.727011
Min Limit	259.5300558	259.5300558

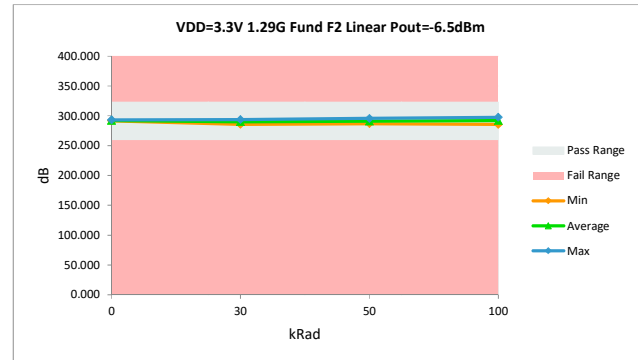
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	295.417	291.722	3.695	1.25%	5.85%
0	C2	295.650	292.983	2.667	0.90%	4.22%
30	1	289.249	285.526	3.723	1.29%	5.89%
30	2	293.778	291.074	2.704	0.92%	4.28%
30	3	292.026	289.242	2.784	0.95%	4.40%
30	4	293.984	292.098	1.886	0.64%	2.98%
30	5	292.508	290.808	1.700	0.58%	2.69%
30	6 U	297.369	293.166	4.203	1.41%	6.65%
30	7 U	292.896	290.039	2.857	0.98%	4.52%
30	8 U	293.272	290.565	2.707	0.92%	4.28%
30	9 U	288.384	285.805	2.579	0.89%	4.08%
30	10 U	296.443	293.730	2.713	0.92%	4.29%
50	11	296.139	295.728	0.411	0.14%	0.65%
50	12	292.465	291.549	0.916	0.31%	1.45%
50	13	293.749	291.991	1.757	0.60%	2.78%
50	14	288.054	287.197	0.857	0.30%	1.36%
50	15	288.933	286.811	2.121	0.73%	3.36%
50	16 U	294.895	292.570	2.325	0.79%	3.68%
50	17 U	292.156	288.435	3.721	1.27%	5.89%
50	18 U	290.437	288.998	1.439	0.50%	2.28%
50	19 U	296.156	292.818	3.338	1.13%	5.28%
50	20 U	284.897	293.757	-8.860	-3.11%	14.02%
100	21	293.666	286.328	7.338	2.50%	11.61%
100	22	291.390	292.429	-1.039	-0.36%	1.64%
100	23	294.304	296.477	-2.173	-0.74%	3.44%
100	24	293.231	297.560	-4.329	-1.48%	6.85%
100	25	291.209	294.477	-3.268	-1.12%	5.17%
100	26 U	293.010	291.532	1.478	0.50%	2.34%
100	27 U	287.255	285.688	1.567	0.55%	2.48%
100	28 U	291.216	289.366	1.850	0.64%	2.93%
100	29 U	295.009	294.348	0.661	0.22%	1.05%
100	30 U	291.930	291.297	0.633	0.22%	1.00%
Max		297.369	297.560	7.338	2.50%	14.02%
Average		292.534	291.129	1.405	0.48%	4.17%
Min		284.897	285.526	-8.860	-3.11%	0.65%
Std Dev		2.911	3.160	2.887	0.99%	2.83%



VDD=3.3V 1.29G Fund F2 Line

Test Site		
Tester		
Test Number		
Max Limit	322.727011	dB
Min Limit	259.5300558	dB

kRad	0	30	50	100
LL	259.530	259.530	259.530	259.530
Min	291.722	285.526	286.811	285.688
Average	292.352	290.205	290.985	291.950
Max	292.983	293.730	295.728	297.560
UL	322.727	322.727	322.727	322.727

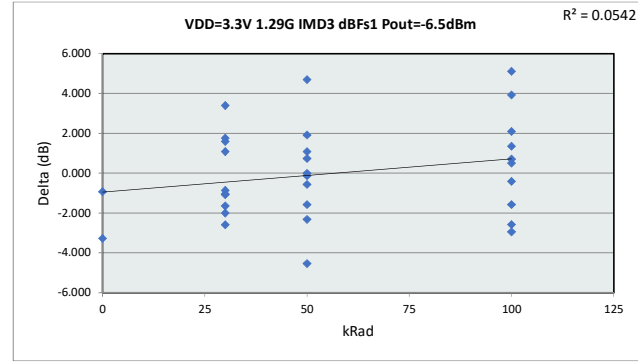


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G IMD3 dBFs1 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-80.86076155	-80.86076155
Min Limit	-128.5099717	-128.5099717

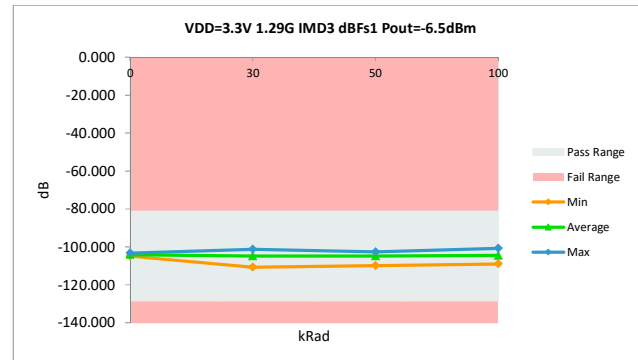
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-105.842	-104.903	-0.939	0.89%	1.97%
0	C2	-106.509	-103.224	-3.285	3.08%	6.89%
30	1	-101.270	-102.341	1.071	-1.06%	2.25%
30	2	-106.267	-104.252	-2.015	1.90%	4.23%
30	3	-103.461	-106.850	3.389	-3.28%	7.11%
30	4	-109.113	-110.699	1.586	-1.45%	3.33%
30	5	-108.706	-107.832	-0.874	0.80%	1.83%
30	6 U	-105.866	-104.779	-1.087	1.03%	2.28%
30	7 U	-103.881	-101.284	-2.598	2.50%	5.45%
30	8 U	-104.232	-103.173	-1.059	1.02%	2.22%
30	9 U	-101.221	-102.964	1.743	-1.72%	3.66%
30	10 U	-105.789	-104.134	-1.655	1.56%	3.47%
50	11	-105.175	-109.860	4.685	-4.45%	9.83%
50	12	-106.294	-103.962	-2.332	2.19%	4.89%
50	13	-104.868	-104.291	-0.578	0.55%	1.21%
50	14	-102.558	-103.287	0.729	-0.71%	1.53%
50	15	-103.847	-104.922	1.075	-1.03%	2.26%
50	16 U	-104.232	-104.216	-0.015	0.01%	0.03%
50	17 U	-104.950	-104.812	-0.138	0.13%	0.29%
50	18 U	-106.300	-104.717	-1.583	1.49%	3.32%
50	19 U	-107.293	-102.748	-4.544	4.24%	9.54%
50	20 U	-103.153	-105.053	1.900	-1.84%	3.99%
100	21	-105.263	-102.671	-2.592	2.46%	5.44%
100	22	-106.194	-107.541	1.347	-1.27%	2.83%
100	23	-101.196	-103.279	2.084	-2.06%	4.37%
100	24	-102.211	-107.309	5.098	-4.99%	10.70%
100	25	-104.430	-104.922	0.492	-0.47%	1.03%
100	26 U	-104.365	-105.062	0.696	-0.67%	1.46%
100	27 U	-102.953	-101.362	-1.590	1.54%	3.34%
100	28 U	-104.126	-103.709	-0.417	0.40%	0.87%
100	29 U	-105.053	-108.964	3.911	-3.72%	8.21%
100	30 U	-103.764	-100.808	-2.956	2.85%	6.20%
Max		-101.196	-100.808	5.098	4.24%	10.70%
Average		-104.700	-104.685	-0.014	0.00%	3.94%
Min		-109.113	-110.699	-4.544	-4.99%	0.03%
Std Dev		1.943	2.382	2.335	2.23%	2.83%



VDD=3.3V 1.29G IMD3 dBFs1

Test Site	
Tester	
Test Number	
Max Limit	-80.86076155 dB
Min Limit	-128.5099717 dB

kRad	0	30	50	100
LL	-128.510	-128.510	-128.510	-128.510
Min	-104.903	-110.699	-109.860	-108.964
Average	-104.063	-104.831	-104.787	-104.563
Max	-103.224	-101.284	-102.748	-100.808
UL	-80.861	-80.861	-80.861	-80.861

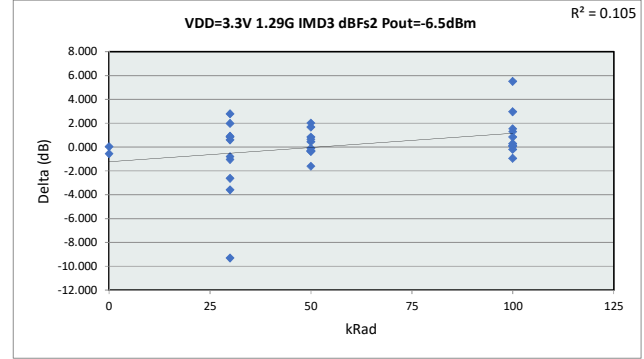


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G IMD3 dBFs2 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-85.45559872	-85.45559872
Min Limit	-125.2719289	-125.2719289

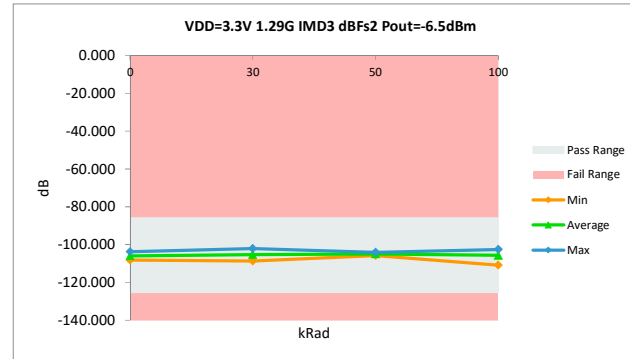
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-108.793	-108.238	-0.555	0.51%	1.40%
0	C2	-103.749	-103.784	0.035	-0.03%	0.09%
30	1	-103.083	-103.981	0.897	-0.87%	2.25%
30	2	-104.793	-102.170	-2.623	2.50%	6.59%
30	3	-104.626	-103.820	-0.806	0.77%	2.02%
30	4	-113.748	-104.441	-9.307	8.18%	23.37%
30	5	-109.858	-106.268	-3.589	3.27%	9.01%
30	6 U	-105.915	-107.891	1.976	-1.87%	4.96%
30	7 U	-103.338	-106.125	2.786	-2.70%	7.00%
30	8 U	-107.806	-108.662	0.856	-0.79%	2.15%
30	9 U	-106.456	-105.412	-1.044	0.98%	2.62%
30	10 U	-103.338	-103.930	0.592	-0.57%	1.49%
50	11	-103.468	-105.143	1.674	-1.62%	4.21%
50	12	-104.929	-105.765	0.836	-0.80%	2.10%
50	13	-104.835	-105.286	0.450	-0.43%	1.13%
50	14	-104.796	-104.426	-0.370	0.35%	0.93%
50	15	-103.463	-104.103	0.640	-0.62%	1.61%
50	16 U	-104.960	-104.626	-0.334	0.32%	0.84%
50	17 U	-106.981	-105.373	-1.607	1.50%	4.04%
50	18 U	-104.815	-104.505	-0.310	0.30%	0.78%
50	19 U	-105.678	-105.589	-0.089	0.08%	0.22%
50	20 U	-103.496	-105.516	2.020	-1.95%	5.07%
100	21	-107.817	-107.624	-0.192	0.18%	0.48%
100	22	-107.206	-107.491	0.285	-0.27%	0.72%
100	23	-102.483	-102.545	0.062	-0.06%	0.16%
100	24	-107.039	-108.576	1.537	-1.44%	3.86%
100	25	-105.379	-110.893	5.514	-5.23%	13.85%
100	26 U	-104.717	-104.835	0.118	-0.11%	0.30%
100	27 U	-101.613	-104.573	2.960	-2.91%	7.43%
100	28 U	-101.993	-102.826	0.833	-0.82%	2.09%
100	29 U	-102.470	-103.763	1.292	-1.26%	3.25%
100	30 U	-104.415	-103.461	-0.954	0.91%	2.40%
Max		-101.613	-102.170	5.514	8.18%	23.37%
Average		-105.252	-105.364	0.112	-0.14%	3.70%
Min		-113.748	-110.893	-9.307	-5.23%	0.09%
Std Dev		2.518	1.991	2.394	2.19%	4.70%



VDD=3.3V 1.29G IMD3 dBFs2

Test Site	
Tester	
Test Number	
Max Limit	-85.45559872 dB
Min Limit	-125.2719289 dB

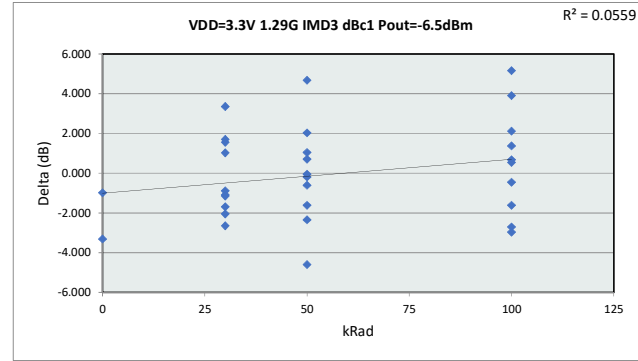
kRad	0	30	50	100
LL	-125.272	-125.272	-125.272	-125.272
Min	-108.238	-108.662	-105.765	-110.893
Average	-106.011	-105.270	-105.033	-105.659
Max	-103.784	-102.170	-104.103	-102.545
UL	-85.456	-85.456	-85.456	-85.456



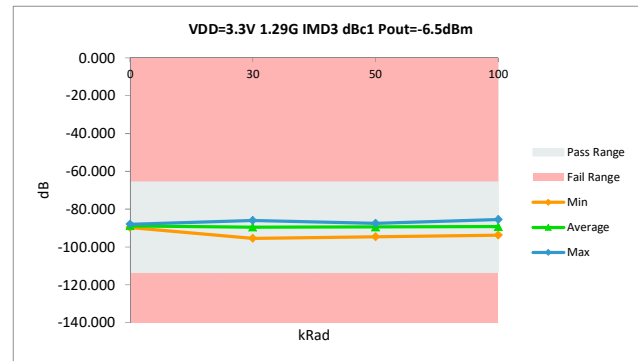
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G IMD3 dBc1 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-65.35308861	-65.35308861
Min Limit	-113.4391763	-113.4391763

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-90.624	-89.634	-0.990	1.09%	2.06%
0	C2	-91.292	-87.971	-3.321	3.64%	6.91%
30	1	-85.960	-86.975	1.015	-1.18%	2.11%
30	2	-91.026	-88.966	-2.060	2.26%	4.28%
30	3	-88.191	-91.538	3.347	-3.79%	6.96%
30	4	-93.876	-95.426	1.550	-1.65%	3.22%
30	5	-93.444	-92.549	-0.895	0.96%	1.86%
30	6 U	-90.678	-89.519	-1.159	1.28%	2.41%
30	7 U	-88.630	-85.978	-2.651	2.99%	5.51%
30	8 U	-88.981	-87.878	-1.104	1.24%	2.29%
30	9 U	-85.903	-87.599	1.695	-1.97%	3.53%
30	10 U	-90.583	-88.880	-1.703	1.88%	3.54%
50	11	-89.966	-94.634	4.668	-5.19%	9.71%
50	12	-91.035	-88.674	-2.361	2.59%	4.91%
50	13	-89.624	-89.009	-0.615	0.69%	1.28%
50	14	-87.235	-87.935	0.701	-0.80%	1.46%
50	15	-88.529	-89.567	1.038	-1.17%	2.16%
50	16 U	-89.007	-88.950	-0.057	0.06%	0.12%
50	17 U	-89.687	-89.481	-0.206	0.23%	0.43%
50	18 U	-91.014	-89.396	-1.618	1.78%	3.37%
50	19 U	-92.087	-87.478	-4.609	5.01%	9.59%
50	20 U	-87.777	-89.802	2.026	-2.31%	4.21%
100	21	-90.018	-87.308	-2.710	3.01%	5.64%
100	22	-90.911	-92.271	1.360	-1.50%	2.83%
100	23	-85.958	-88.071	2.112	-2.46%	4.39%
100	24	-86.958	-92.111	5.153	-5.93%	10.72%
100	25	-89.147	-89.683	0.536	-0.60%	1.11%
100	26 U	-89.112	-89.776	0.664	-0.75%	1.38%
100	27 U	-87.609	-85.988	-1.622	1.85%	3.37%
100	28 U	-88.846	-88.388	-0.458	0.52%	0.95%
100	29 U	-89.823	-93.722	3.899	-4.34%	8.11%
100	30 U	-88.490	-85.518	-2.972	3.36%	6.18%
	Max	-85.903	-85.518	5.153	5.01%	10.72%
	Average	-89.438	-89.396	-0.042	0.02%	3.96%
	Min	-93.876	-95.426	-4.609	-5.93%	0.12%
	Std Dev	1.965	2.404	2.356	2.64%	2.80%



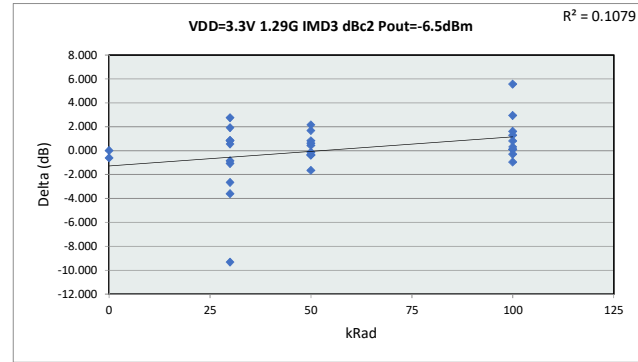
VDD=3.3V 1.29G IMD3 dBc1 Pout=-6.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-65.35308861		dB	
Min Limit	-113.4391763		dB	
kRad	0	30	50	100
LL	-113.439	-113.439	-113.439	-113.439
Min	-89.634	-95.426	-94.634	-93.722
Average	-88.803	-89.531	-89.493	-89.284
Max	-87.971	-85.978	-87.478	-85.518
UL	-65.353	-65.353	-65.353	-65.353



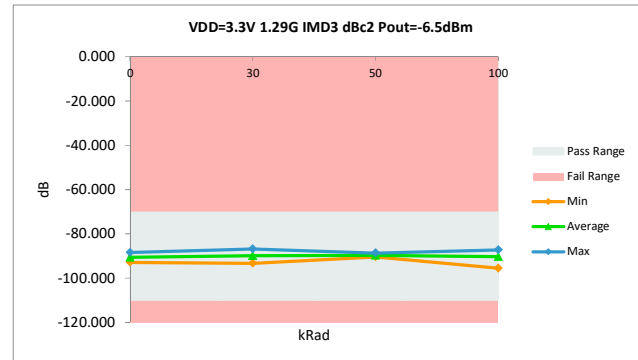
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 1.29G IMD3 dBc2 Po		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-70.0045437	-70.0045437
Min Limit	-110.0041824	-110.0041824

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-93.498	-92.888	-0.610	0.65%	1.53%
0	C2	-88.457	-88.453	-0.004	0.00%	0.01%
30	1	-87.696	-88.537	0.841	-0.96%	2.10%
30	2	-89.473	-86.810	-2.663	2.98%	6.66%
30	3	-89.280	-88.433	-0.847	0.95%	2.12%
30	4	-98.431	-89.096	-9.335	9.48%	23.34%
30	5	-94.519	-90.905	-3.615	3.82%	9.04%
30	6 U	-90.648	-92.562	1.915	-2.11%	4.79%
30	7 U	-88.006	-90.749	2.744	-3.12%	6.86%
30	8 U	-92.479	-93.294	0.815	-0.88%	2.04%
30	9 U	-91.056	-89.973	-1.083	1.19%	2.71%
30	10 U	-88.058	-88.609	0.552	-0.63%	1.38%
50	11	-88.183	-89.852	1.668	-1.89%	4.17%
50	12	-89.590	-90.412	0.823	-0.92%	2.06%
50	13	-89.515	-89.939	0.424	-0.47%	1.06%
50	14	-89.391	-89.008	-0.383	0.43%	0.96%
50	15	-88.071	-88.679	0.608	-0.69%	1.52%
50	16 U	-89.656	-89.288	-0.368	0.41%	0.92%
50	17 U	-91.637	-89.974	-1.663	1.81%	4.16%
50	18 U	-89.445	-89.114	-0.331	0.37%	0.83%
50	19 U	-90.393	-90.255	-0.138	0.15%	0.35%
50	20 U	-88.043	-90.196	2.153	-2.44%	5.38%
100	21	-92.495	-92.193	-0.302	0.33%	0.76%
100	22	-91.851	-92.151	0.300	-0.33%	0.75%
100	23	-87.171	-87.265	0.094	-0.11%	0.24%
100	24	-91.711	-93.312	1.601	-1.75%	4.00%
100	25	-90.021	-95.584	5.562	-6.18%	13.91%
100	26 U	-89.386	-89.482	0.096	-0.11%	0.24%
100	27 U	-86.196	-89.132	2.936	-3.41%	7.34%
100	28 U	-86.635	-87.441	0.806	-0.93%	2.01%
100	29 U	-87.168	-88.451	1.283	-1.47%	3.21%
100	30 U	-89.068	-88.104	-0.964	1.08%	2.41%
Max		-86.196	-86.810	5.562	9.48%	23.34%
Average		-89.913	-90.004	0.091	-0.15%	3.71%
Min		-98.431	-95.584	-9.335	-6.18%	0.01%
Std Dev		2.527	2.000	2.407	2.56%	4.69%



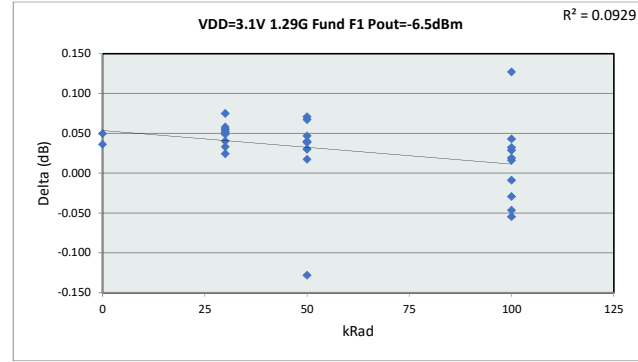
VDD=3.3V 1.29G IMD3 dBc2 P				
Test Site				
Tester				
Test Number				
Max Limit	-70.0045437		dB	
Min Limit	-110.0041824		dB	
kRad	0	30	50	100
LL	-110.004	-110.004	-110.004	-110.004
Min	-92.888	-93.294	-90.412	-95.584
Average	-90.670	-89.897	-89.672	-90.311
Max	-88.453	-86.810	-88.679	-87.265
UL	-70.005	-70.005	-70.005	-70.005



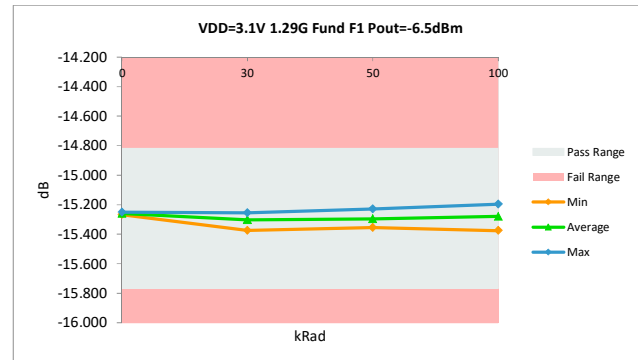
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G Fund F1 Pout=	
Test Site	
Tester	
Test Number	
Unit	
Max Limit	-14.8140684
Min Limit	-15.76664404

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.218	-15.267	0.049	-0.33%	5.19%
0	C2	-15.215	-15.251	0.036	-0.24%	3.78%
30	1	-15.310	-15.367	0.058	-0.38%	6.04%
30	2	-15.238	-15.288	0.051	-0.33%	5.30%
30	3	-15.271	-15.311	0.040	-0.26%	4.21%
30	4	-15.238	-15.271	0.033	-0.22%	3.46%
30	5	-15.262	-15.286	0.024	-0.16%	2.53%
30	6 U	-15.187	-15.261	0.075	-0.49%	7.85%
30	7 U	-15.254	-15.309	0.055	-0.36%	5.77%
30	8 U	-15.249	-15.298	0.049	-0.32%	5.13%
30	9 U	-15.320	-15.374	0.055	-0.36%	5.73%
30	10 U	-15.203	-15.255	0.052	-0.34%	5.50%
50	11	-15.212	-15.229	0.017	-0.11%	1.81%
50	12	-15.256	-15.286	0.030	-0.20%	3.14%
50	13	-15.242	-15.282	0.039	-0.26%	4.11%
50	14	-15.323	-15.353	0.030	-0.19%	3.13%
50	15	-15.317	-15.355	0.038	-0.25%	4.03%
50	16 U	-15.225	-15.272	0.046	-0.31%	4.88%
50	17 U	-15.262	-15.333	0.071	-0.46%	7.42%
50	18 U	-15.285	-15.325	0.039	-0.26%	4.14%
50	19 U	-15.203	-15.270	0.067	-0.44%	7.03%
50	20 U	-15.379	-15.251	-0.128	0.83%	13.46%
100	21	-15.239	-15.366	0.127	-0.83%	13.30%
100	22	-15.279	-15.270	-0.009	0.06%	0.95%
100	23	-15.238	-15.208	-0.030	0.19%	3.11%
100	24	-15.252	-15.197	-0.055	0.36%	5.75%
100	25	-15.285	-15.238	-0.047	0.30%	4.89%
100	26 U	-15.255	-15.283	0.028	-0.19%	2.99%
100	27 U	-15.343	-15.375	0.032	-0.21%	3.37%
100	28 U	-15.278	-15.321	0.043	-0.28%	4.47%
100	29 U	-15.228	-15.245	0.016	-0.11%	1.68%
100	30 U	-15.274	-15.293	0.019	-0.12%	1.98%
	Max	-15.187	-15.197	0.127	0.83%	13.46%
	Average	-15.261	-15.290	0.030	-0.20%	4.88%
	Min	-15.379	-15.375	-0.128	-0.83%	0.95%
	Std Dev	0.044	0.048	0.045	0.29%	2.77%



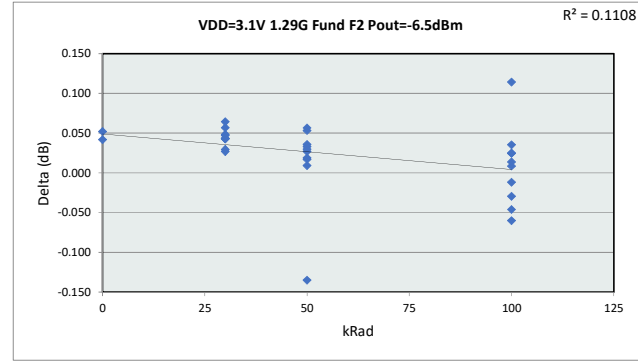
VDD=3.1V 1.29G Fund F1 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-14.8140684			dB
Min Limit	-15.76664404			dB
kRad	0	30	50	100
LL	-15.767	-15.767	-15.767	-15.767
Min	-15.267	-15.374	-15.355	-15.375
Average	-15.259	-15.302	-15.296	-15.280
Max	-15.251	-15.255	-15.229	-15.197
UL	-14.814	-14.814	-14.814	-14.814



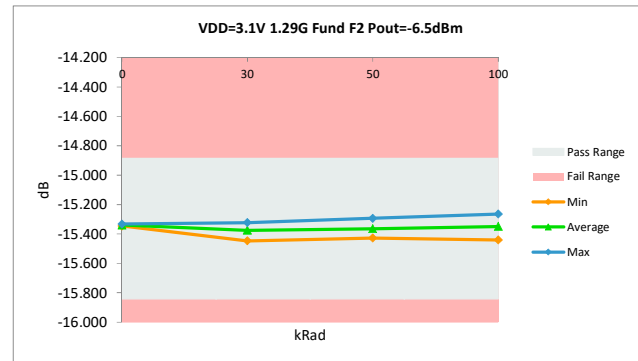
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G Fund F2 Pout=-6.5dBm		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.88124671	-14.88124671
Min Limit	-15.84142939	-15.84142939

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.294	-15.346	0.052	-0.34%	5.41%
0	C2	-15.291	-15.333	0.042	-0.27%	4.35%
30	1	-15.390	-15.447	0.057	-0.37%	5.92%
30	2	-15.316	-15.364	0.047	-0.31%	4.90%
30	3	-15.345	-15.388	0.043	-0.28%	4.46%
30	4	-15.313	-15.343	0.030	-0.19%	3.08%
30	5	-15.338	-15.365	0.027	-0.17%	2.79%
30	6 U	-15.269	-15.333	0.064	-0.42%	6.69%
30	7 U	-15.331	-15.379	0.048	-0.32%	5.03%
30	8 U	-15.328	-15.371	0.044	-0.28%	4.53%
30	9 U	-15.399	-15.443	0.043	-0.28%	4.52%
30	10 U	-15.280	-15.323	0.043	-0.28%	4.49%
50	11	-15.285	-15.294	0.009	-0.06%	0.96%
50	12	-15.335	-15.352	0.017	-0.11%	1.78%
50	13	-15.322	-15.348	0.027	-0.18%	2.79%
50	14	-15.404	-15.423	0.019	-0.12%	1.97%
50	15	-15.395	-15.428	0.033	-0.22%	3.46%
50	16 U	-15.305	-15.341	0.036	-0.23%	3.74%
50	17 U	-15.347	-15.403	0.056	-0.37%	5.88%
50	18 U	-15.365	-15.395	0.030	-0.19%	3.10%
50	19 U	-15.283	-15.337	0.053	-0.35%	5.55%
50	20 U	-15.456	-15.321	-0.135	0.87%	14.05%
100	21	-15.318	-15.433	0.114	-0.75%	11.92%
100	22	-15.353	-15.341	-0.012	0.08%	1.23%
100	23	-15.309	-15.280	-0.029	0.19%	3.06%
100	24	-15.325	-15.265	-0.060	0.39%	6.26%
100	25	-15.356	-15.310	-0.046	0.30%	4.81%
100	26 U	-15.330	-15.355	0.025	-0.16%	2.60%
100	27 U	-15.417	-15.442	0.025	-0.16%	2.56%
100	28 U	-15.355	-15.391	0.035	-0.23%	3.69%
100	29 U	-15.302	-15.311	0.009	-0.06%	0.89%
100	30 U	-15.347	-15.361	0.014	-0.09%	1.45%
	Max	-15.269	-15.265	0.114	0.87%	14.05%
	Average	-15.338	-15.361	0.024	-0.16%	4.31%
	Min	-15.456	-15.447	-0.135	-0.75%	0.89%
	Std Dev	0.044	0.048	0.044	0.28%	2.78%



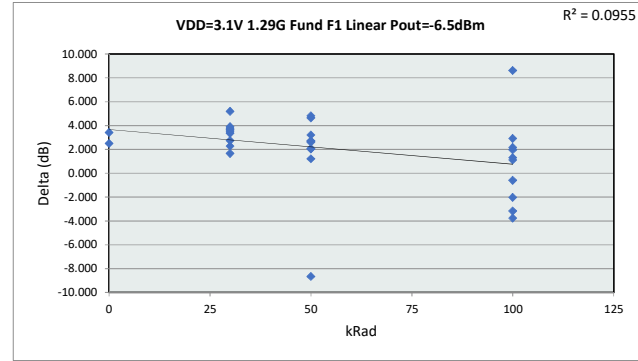
VDD=3.1V 1.29G Fund F2 Pout=-6.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-14.88124671	dB		
Min Limit	-15.84142939	dB		
kRad	0	30	50	100
LL	-15.841	-15.841	-15.841	-15.841
Min	-15.346	-15.447	-15.428	-15.442
Average	-15.339	-15.375	-15.364	-15.349
Max	-15.333	-15.323	-15.294	-15.265
UL	-14.881	-14.881	-14.881	-14.881



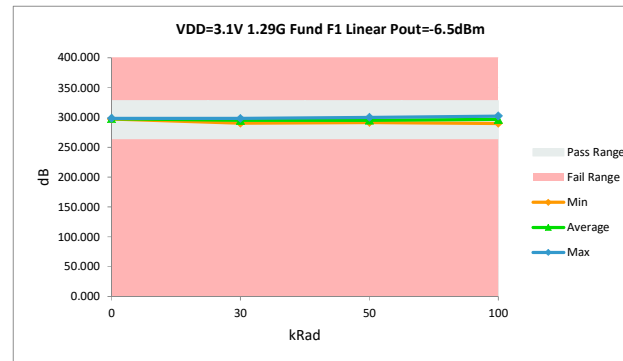
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G Fund F1 Linea		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	328.1967314	328.1967314
Min Limit	263.3916819	263.3916819

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	300.766	297.360	3.406	1.13%	5.26%
0	C2	300.925	298.439	2.486	0.83%	3.84%
30	1	294.446	290.570	3.877	1.32%	5.98%
30	2	299.375	295.913	3.462	1.16%	5.34%
30	3	297.130	294.401	2.729	0.92%	4.21%
30	4	299.353	297.091	2.262	0.76%	3.49%
30	5	297.696	296.049	1.647	0.55%	2.54%
30	6 U	302.925	297.757	5.168	1.71%	7.97%
30	7 U	298.266	294.518	3.748	1.26%	5.78%
30	8 U	298.623	295.284	3.340	1.12%	5.15%
30	9 U	293.779	290.111	3.668	1.25%	5.66%
30	10 U	301.785	298.166	3.618	1.20%	5.58%
50	11	301.171	299.977	1.194	0.40%	1.84%
50	12	298.135	296.086	2.049	0.69%	3.16%
50	13	299.065	296.380	2.685	0.90%	4.14%
50	14	293.534	291.524	2.011	0.68%	3.10%
50	15	293.974	291.390	2.584	0.88%	3.99%
50	16 U	300.244	297.048	3.195	1.06%	4.93%
50	17 U	297.708	292.903	4.804	1.61%	7.41%
50	18 U	296.125	293.450	2.675	0.90%	4.13%
50	19 U	301.783	297.162	4.621	1.53%	7.13%
50	20 U	289.769	298.453	-8.684	-3.00%	13.40%
100	21	299.284	290.677	8.607	2.88%	13.28%
100	22	296.539	297.156	-0.618	-0.21%	0.95%
100	23	299.394	301.443	-2.049	-0.68%	3.16%
100	24	298.432	302.221	-3.788	-1.27%	5.85%
100	25	296.172	299.364	-3.193	-1.08%	4.93%
100	26 U	298.218	296.269	1.950	0.65%	3.01%
100	27 U	292.191	290.042	2.149	0.74%	3.32%
100	28 U	296.609	293.712	2.897	0.98%	4.47%
100	29 U	300.021	298.916	1.106	0.37%	1.71%
100	30 U	296.871	295.585	1.286	0.43%	1.98%
	Max	302.925	302.221	8.607	2.88%	13.40%
	Average	297.822	295.794	2.028	0.68%	4.90%
	Min	289.769	290.042	-8.684	-3.00%	0.95%
	Std Dev	2.993	3.240	3.062	1.03%	2.77%



VDD=3.1V 1.29G Fund F1 Line				
Test Site				
Tester				
Test Number				
Max Limit	328.1967314		dB	
Min Limit	263.3916819		dB	
kRad	0	30	50	100
LL	263.392	263.392	263.392	263.392
Min	297.360	290.111	291.390	290.042
Average	297.900	294.986	295.437	296.538
Max	298.439	298.166	299.977	302.221
UL	328.197	328.197	328.197	328.197

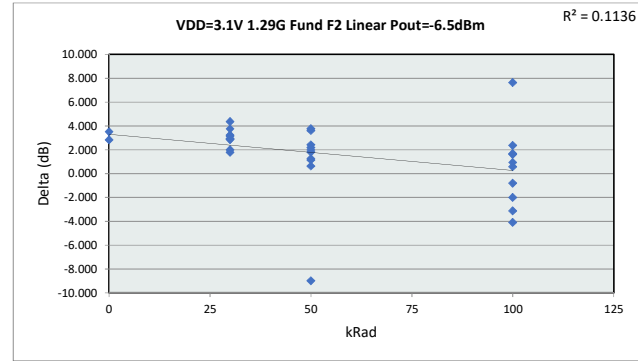


QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G Fund F2 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	323.1401688	323.1401688
Min Limit	258.8583511	258.8583511

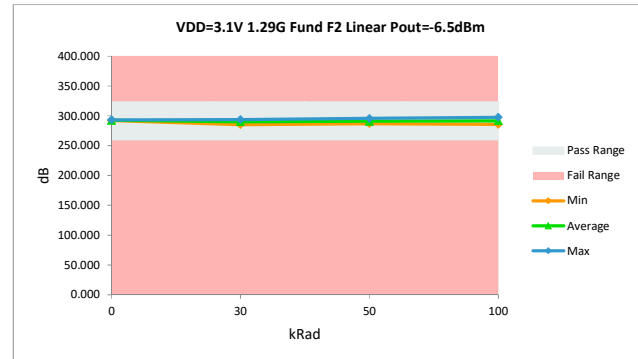
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	295.552	292.041	3.511	1.19%	5.46%
0	C2	295.750	292.917	2.833	0.96%	4.41%
30	1	289.040	285.283	3.757	1.30%	5.85%
30	2	294.004	290.836	3.168	1.08%	4.93%
30	3	292.070	289.201	2.869	0.98%	4.46%
30	4	294.216	292.220	1.996	0.68%	3.10%
30	5	292.553	290.756	1.798	0.61%	2.80%
30	6 U	297.269	292.906	4.362	1.47%	6.79%
30	7 U	293.015	289.774	3.241	1.11%	5.04%
30	8 U	293.253	290.328	2.925	1.00%	4.55%
30	9 U	288.456	285.591	2.865	0.99%	4.46%
30	10 U	296.511	293.579	2.932	0.99%	4.56%
50	11	296.154	295.523	0.631	0.21%	0.98%
50	12	292.764	291.615	1.149	0.39%	1.79%
50	13	293.658	291.850	1.809	0.62%	2.81%
50	14	288.142	286.887	1.255	0.44%	1.95%
50	15	288.749	286.551	2.198	0.76%	3.42%
50	16 U	294.774	292.348	2.426	0.82%	3.77%
50	17 U	291.949	288.178	3.772	1.29%	5.87%
50	18 U	290.706	288.719	1.986	0.68%	3.09%
50	19 U	296.258	292.646	3.611	1.22%	5.62%
50	20 U	284.741	293.726	-8.985	-3.16%	13.98%
100	21	293.887	286.243	7.644	2.60%	11.89%
100	22	291.531	292.327	-0.796	-0.27%	1.24%
100	23	294.487	296.484	-1.997	-0.68%	3.11%
100	24	293.403	297.495	-4.092	-1.39%	6.37%
100	25	291.348	294.462	-3.114	-1.07%	4.84%
100	26 U	293.121	291.438	1.683	0.57%	2.62%
100	27 U	287.244	285.622	1.622	0.56%	2.52%
100	28 U	291.387	289.021	2.366	0.81%	3.68%
100	29 U	294.963	294.380	0.583	0.20%	0.91%
100	30 U	291.961	291.030	0.931	0.32%	1.45%
	Max	297.269	297.495	7.644	2.60%	13.98%
	Average	292.591	290.999	1.592	0.54%	4.32%
	Min	284.741	285.283	-8.985	-3.16%	0.91%
	Std Dev	2.942	3.214	2.922	1.01%	2.78%



VDD=3.1V 1.29G Fund F2 Linear

Test Site		
Tester		
Test Number		
Max Limit	323.1401688	dB
Min Limit	258.8583511	dB

kRad	0	30	50	100
LL	258.858	258.858	258.858	258.858
Min	292.041	285.283	286.551	285.622
Average	292.479	290.047	290.804	291.850
Max	292.917	293.579	295.523	297.495
UL	323.140	323.140	323.140	323.140

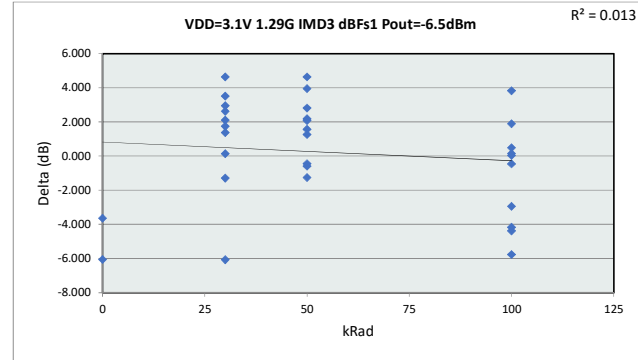


QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G IMD3 dBFs1 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-83.38966162	-83.38966162
Min Limit	-124.8979851	-124.8979851

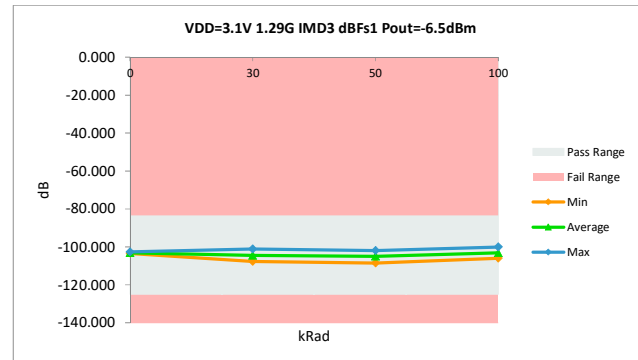
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-109.524	-103.457	-6.067	5.54%	14.62%
0	C2	-106.340	-102.685	-3.655	3.44%	8.81%
30	1	-99.980	-104.601	4.620	-4.62%	11.13%
30	2	-102.660	-104.395	1.736	-1.69%	4.18%
30	3	-101.930	-103.299	1.369	-1.34%	3.30%
30	4	-104.134	-107.634	3.500	-3.36%	8.43%
30	5	-103.761	-102.466	-1.294	1.25%	3.12%
30	6 U	-104.499	-107.436	2.938	-2.81%	7.08%
30	7 U	-103.806	-103.939	0.132	-0.13%	0.32%
30	8 U	-107.309	-101.234	-6.075	5.66%	14.64%
30	9 U	-104.468	-106.558	2.089	-2.00%	5.03%
30	10 U	-101.118	-103.728	2.609	-2.58%	6.29%
50	11	-100.871	-102.423	1.552	-1.54%	3.74%
50	12	-106.805	-106.352	-0.453	0.42%	1.09%
50	13	-103.461	-107.402	3.941	-3.81%	9.49%
50	14	-102.619	-102.011	-0.608	0.59%	1.46%
50	15	-105.367	-107.545	2.178	-2.07%	5.25%
50	16 U	-100.807	-103.608	2.802	-2.78%	6.75%
50	17 U	-105.823	-104.553	-1.270	1.20%	3.06%
50	18 U	-100.950	-103.027	2.077	-2.06%	5.00%
50	19 U	-102.818	-104.070	1.252	-1.22%	3.02%
50	20 U	-103.908	-108.537	4.629	-4.45%	11.15%
100	21	-103.263	-102.799	-0.464	0.45%	1.12%
100	22	-106.567	-102.173	-4.394	4.12%	10.59%
100	23	-101.402	-105.216	3.814	-3.76%	9.19%
100	24	-108.787	-103.010	-5.777	5.31%	13.92%
100	25	-106.652	-102.469	-4.183	3.92%	10.08%
100	26 U	-104.212	-106.092	1.880	-1.80%	4.53%
100	27 U	-100.056	-100.082	0.026	-0.03%	0.06%
100	28 U	-102.661	-102.799	0.138	-0.13%	0.33%
100	29 U	-102.740	-103.220	0.480	-0.47%	1.16%
100	30 U	-106.728	-103.780	-2.948	2.76%	7.10%
	Max	-99.980	-100.082	4.629	5.66%	14.64%
	Average	-103.938	-104.144	0.205	-0.25%	6.09%
	Min	-109.524	-108.537	-6.075	-4.62%	0.06%
	Std Dev	2.503	2.075	3.127	2.96%	4.32%



VDD=3.1V 1.29G IMD3 dBFs1

Test Site		
Tester		
Test Number		
Max Limit	-83.38966162	dB
Min Limit	-124.8979851	dB

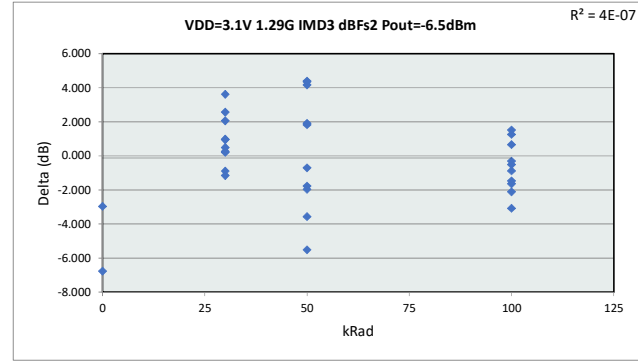
kRad	0	30	50	100
LL	-124.898	-124.898	-124.898	-124.898
Min	-103.457	-107.634	-108.537	-106.092
Average	-103.071	-104.529	-104.953	-103.164
Max	-102.685	-101.234	-102.011	-100.082
UL	-83.390	-83.390	-83.390	-83.390



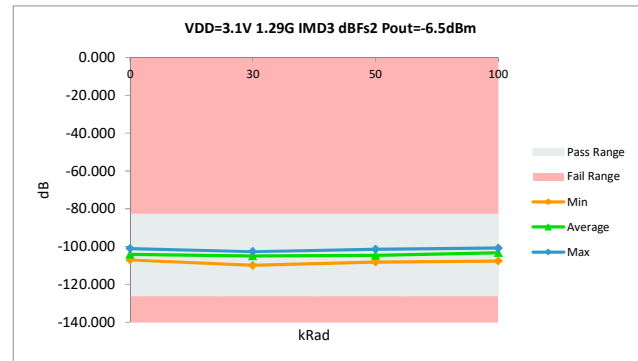
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G IMD3 dBFs2 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-82.6451034	-82.6451034
Min Limit	-125.9188128	-125.9188128

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-110.073	-107.101	-2.972	2.70%	6.87%
0	C2	-107.792	-101.026	-6.766	6.28%	15.64%
30	1	-101.164	-103.220	2.057	-2.03%	4.75%
30	2	-101.718	-102.698	0.979	-0.96%	2.26%
30	3	-103.297	-104.252	0.955	-0.92%	2.21%
30	4	-104.720	-104.985	0.265	-0.25%	0.61%
30	5	-106.332	-109.941	3.609	-3.39%	8.34%
30	6 U	-105.147	-104.250	-0.898	0.85%	2.07%
30	7 U	-104.773	-104.985	0.212	-0.20%	0.49%
30	8 U	-106.553	-105.398	-1.155	1.08%	2.67%
30	9 U	-103.879	-104.373	0.494	-0.48%	1.14%
30	10 U	-102.951	-105.512	2.561	-2.49%	5.92%
50	11	-102.150	-101.445	-0.705	0.69%	1.63%
50	12	-105.773	-103.807	-1.966	1.86%	4.54%
50	13	-104.443	-106.354	1.911	-1.83%	4.42%
50	14	-106.169	-102.601	-3.568	3.36%	8.25%
50	15	-105.098	-103.319	-1.779	1.69%	4.11%
50	16 U	-103.794	-108.191	4.397	-4.24%	10.16%
50	17 U	-108.932	-103.418	-5.513	5.06%	12.74%
50	18 U	-101.643	-105.811	4.168	-4.10%	9.63%
50	19 U	-103.721	-105.545	1.824	-1.76%	4.22%
50	20 U	-101.448	-105.800	4.352	-4.29%	10.06%
100	21	-102.887	-102.006	-0.881	0.86%	2.04%
100	22	-106.094	-107.607	1.513	-1.43%	3.50%
100	23	-102.447	-100.802	-1.644	1.61%	3.80%
100	24	-104.660	-105.915	1.254	-1.20%	2.90%
100	25	-105.658	-103.546	-2.112	2.00%	4.88%
100	26 U	-104.593	-104.076	-0.518	0.50%	1.20%
100	27 U	-103.551	-102.086	-1.465	1.42%	3.39%
100	28 U	-101.125	-101.786	0.660	-0.65%	1.53%
100	29 U	-105.369	-102.287	-3.081	2.92%	7.12%
100	30 U	-103.195	-102.881	-0.314	0.30%	0.72%
	Max	-101.125	-100.802	4.397	6.28%	15.64%
	Average	-104.411	-104.282	-0.129	0.09%	4.81%
	Min	-110.073	-109.941	-6.766	-4.29%	0.49%
	Std Dev	2.176	2.164	2.663	2.53%	3.76%



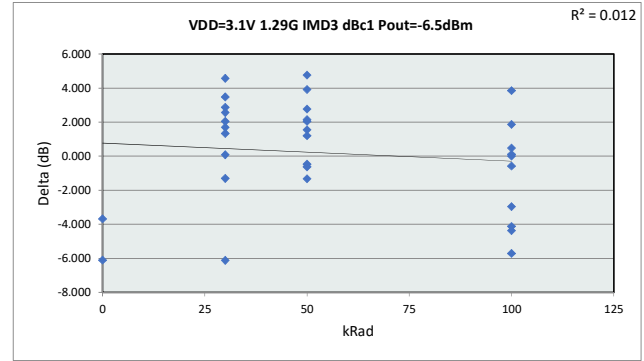
VDD=3.1V 1.29G IMD3 dBFs2				
Test Site				
Tester				
Test Number				
Max Limit	-82.6451034		dB	
Min Limit	-125.9188128		dB	
kRad	0	30	50	100
LL	-125.919	-125.919	-125.919	-125.919
Min	-107.101	-109.941	-108.191	-107.607
Average	-104.063	-104.961	-104.629	-103.299
Max	-101.026	-102.698	-101.445	-100.802
UL	-82.645	-82.645	-82.645	-82.645



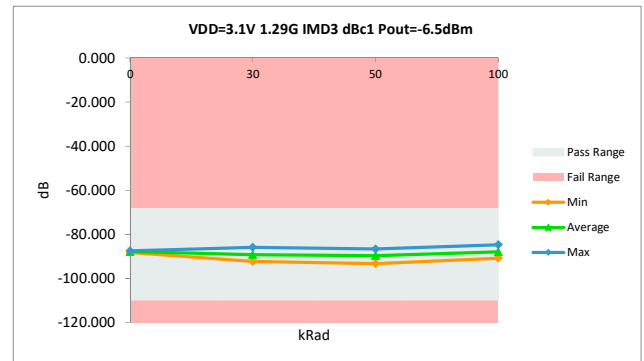
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G IMD3 dBc1 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-68.06019081	-68.06019081
Min Limit	-109.6467422	-109.6467422

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-94.307	-88.190	-6.117	6.49%	14.71%
0	C2	-91.125	-87.434	-3.691	4.05%	8.88%
30	1	-84.670	-89.233	4.563	-5.39%	10.97%
30	2	-87.422	-89.107	1.685	-1.93%	4.05%
30	3	-86.659	-87.989	1.329	-1.53%	3.20%
30	4	-88.896	-92.363	3.467	-3.90%	8.34%
30	5	-88.498	-87.180	-1.318	1.49%	3.17%
30	6 U	-89.312	-92.175	2.863	-3.21%	6.88%
30	7 U	-88.552	-88.630	0.078	-0.09%	0.19%
30	8 U	-92.061	-85.937	-6.124	6.65%	14.73%
30	9 U	-89.149	-91.183	2.035	-2.28%	4.89%
30	10 U	-85.915	-88.472	2.557	-2.98%	6.15%
50	11	-85.659	-87.194	1.534	-1.79%	3.69%
50	12	-91.549	-91.066	-0.483	0.53%	1.16%
50	13	-88.219	-92.121	3.902	-4.42%	9.38%
50	14	-87.296	-86.658	-0.638	0.73%	1.53%
50	15	-90.050	-92.190	2.140	-2.38%	5.15%
50	16 U	-85.581	-88.337	2.755	-3.22%	6.63%
50	17 U	-90.561	-89.220	-1.341	1.48%	3.22%
50	18 U	-85.664	-87.702	2.038	-2.38%	4.90%
50	19 U	-87.615	-88.800	1.185	-1.35%	2.85%
50	20 U	-88.529	-93.285	4.757	-5.37%	11.44%
100	21	-88.024	-87.433	-0.590	0.67%	1.42%
100	22	-91.287	-86.902	-4.385	4.80%	10.54%
100	23	-86.165	-90.008	3.843	-4.46%	9.24%
100	24	-93.536	-87.814	-5.722	6.12%	13.76%
100	25	-91.367	-87.231	-4.136	4.53%	9.95%
100	26 U	-88.958	-90.809	1.851	-2.08%	4.45%
100	27 U	-84.713	-84.707	-0.006	0.01%	0.02%
100	28 U	-87.383	-87.478	0.096	-0.11%	0.23%
100	29 U	-87.512	-87.976	0.464	-0.53%	1.12%
100	30 U	-91.454	-88.487	-2.967	3.24%	7.13%
	Max	-84.670	-84.707	4.757	6.65%	14.73%
	Average	-88.678	-88.853	0.176	-0.27%	6.06%
	Min	-94.307	-93.285	-6.124	-5.39%	0.02%
	Std Dev	2.507	2.079	3.125	3.46%	4.33%



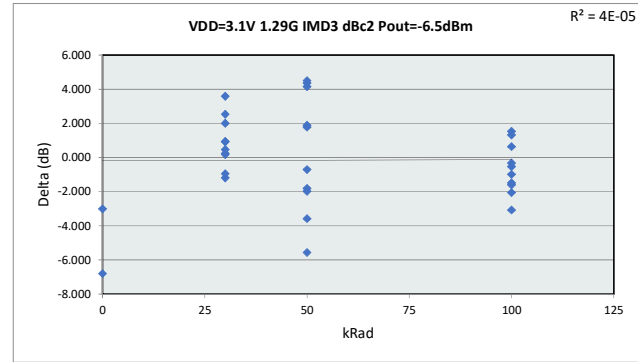
VDD=3.1V 1.29G IMD3 dBc1 Pout				
Test Site				
Tester				
Test Number				
Max Limit	-68.06019081			dB
Min Limit	-109.6467422			dB
kRad	0	30	50	100
LL	-109.647	-109.647	-109.647	-109.647
Min	-88.190	-92.363	-93.285	-90.809
Average	-87.812	-89.227	-89.657	-87.885
Max	-87.434	-85.937	-86.658	-84.707
UL	-68.060	-68.060	-68.060	-68.060



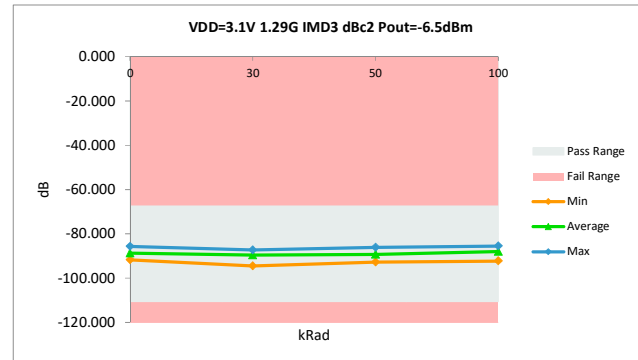
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 1.29G IMD3 dBc2 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-67.21528244	-67.21528244
Min Limit	-110.6259589	-110.6259589

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-94.779	-91.755	-3.024	3.19%	6.97%
0	C2	-92.501	-85.693	-6.808	7.36%	15.68%
30	1	-85.773	-87.773	2.000	-2.33%	4.61%
30	2	-86.402	-87.334	0.932	-1.08%	2.15%
30	3	-87.952	-88.864	0.912	-1.04%	2.10%
30	4	-89.407	-89.642	0.235	-0.26%	0.54%
30	5	-90.994	-94.576	3.582	-3.94%	8.25%
30	6 U	-89.879	-88.917	-0.962	1.07%	2.22%
30	7 U	-89.442	-89.606	0.164	-0.18%	0.38%
30	8 U	-91.225	-90.027	-1.198	1.31%	2.76%
30	9 U	-88.480	-88.930	0.450	-0.51%	1.04%
30	10 U	-87.671	-90.189	2.518	-2.87%	5.80%
50	11	-86.865	-86.151	-0.714	0.82%	1.64%
50	12	-90.438	-88.455	-1.983	2.19%	4.57%
50	13	-89.121	-91.005	1.884	-2.11%	4.34%
50	14	-90.765	-87.178	-3.587	3.95%	8.26%
50	15	-89.703	-87.891	-1.812	2.02%	4.17%
50	16 U	-88.489	-92.850	4.361	-4.93%	10.05%
50	17 U	-93.585	-88.015	-5.570	5.95%	12.83%
50	18 U	-86.278	-90.416	4.139	-4.80%	9.53%
50	19 U	-88.438	-90.208	1.771	-2.00%	4.08%
50	20 U	-85.992	-90.479	4.487	-5.22%	10.34%
100	21	-87.569	-86.573	-0.996	1.14%	2.29%
100	22	-90.741	-92.265	1.524	-1.68%	3.51%
100	23	-87.137	-85.522	-1.615	1.85%	3.72%
100	24	-89.335	-90.649	1.314	-1.47%	3.03%
100	25	-90.302	-88.236	-2.066	2.29%	4.76%
100	26 U	-89.264	-88.721	-0.543	0.61%	1.25%
100	27 U	-88.134	-86.644	-1.490	1.69%	3.43%
100	28 U	-85.770	-86.395	0.625	-0.73%	1.44%
100	29 U	-90.066	-86.976	-3.090	3.43%	7.12%
100	30 U	-87.848	-87.521	-0.327	0.37%	0.75%
	Max	-85.770	-85.522	4.487	7.36%	15.68%
	Average	-89.073	-88.921	-0.153	0.13%	4.80%
	Min	-94.779	-94.576	-6.808	-5.22%	0.38%
	Std Dev	2.187	2.171	2.672	2.97%	3.77%



VDD=3.1V 1.29G IMD3 dBc2 Pout=-6.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-67.21528244			dB
Min Limit	-110.6259589			dB
kRad	0	30	50	100
LL	-110.626	-110.626	-110.626	-110.626
Min	-91.755	-94.576	-92.850	-92.265
Average	-88.724	-89.586	-89.265	-87.950
Max	-85.693	-87.334	-86.151	-85.522
UL	-67.215	-67.215	-67.215	-67.215

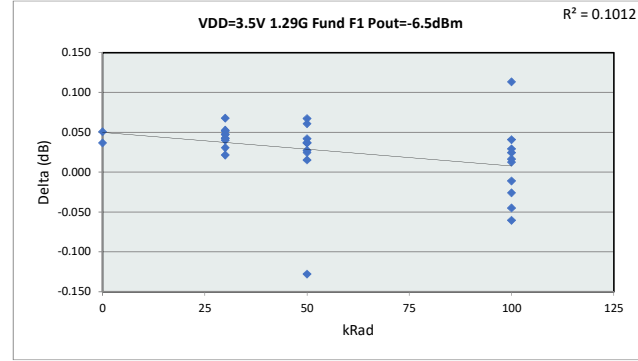


QMLP TID Report

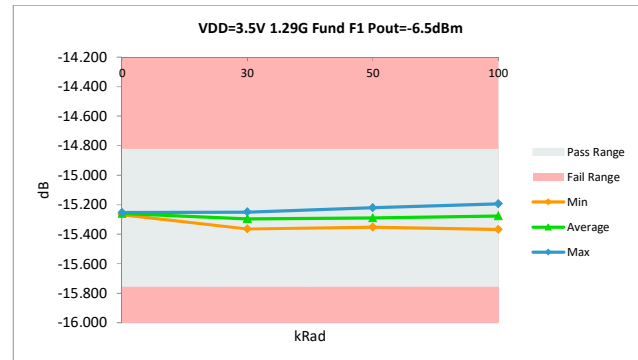
TRF0208 QMLP

VDD=3.5V 1.29G Fund F1 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.82067484	-14.82067484
Min Limit	-15.75055194	-15.75055194

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.217	-15.267	0.050	-0.33%	5.43%
0	C2	-15.217	-15.253	0.037	-0.24%	3.93%
30	1	-15.308	-15.361	0.052	-0.34%	5.63%
30	2	-15.239	-15.282	0.042	-0.28%	4.57%
30	3	-15.266	-15.306	0.040	-0.26%	4.29%
30	4	-15.238	-15.268	0.030	-0.20%	3.27%
30	5	-15.261	-15.282	0.021	-0.14%	2.28%
30	6 U	-15.188	-15.256	0.068	-0.45%	7.27%
30	7 U	-15.249	-15.301	0.051	-0.34%	5.53%
30	8 U	-15.247	-15.289	0.042	-0.28%	4.54%
30	9 U	-15.317	-15.364	0.047	-0.30%	5.02%
30	10 U	-15.202	-15.250	0.048	-0.31%	5.11%
50	11	-15.206	-15.221	0.015	-0.10%	1.62%
50	12	-15.255	-15.282	0.027	-0.18%	2.90%
50	13	-15.240	-15.277	0.036	-0.24%	3.92%
50	14	-15.326	-15.351	0.024	-0.16%	2.63%
50	15	-15.316	-15.352	0.037	-0.24%	3.94%
50	16 U	-15.221	-15.263	0.042	-0.27%	4.48%
50	17 U	-15.261	-15.328	0.067	-0.44%	7.20%
50	18 U	-15.281	-15.318	0.036	-0.24%	3.91%
50	19 U	-15.205	-15.266	0.061	-0.40%	6.51%
50	20 U	-15.375	-15.247	-0.128	0.83%	13.77%
100	21	-15.245	-15.359	0.113	-0.74%	12.17%
100	22	-15.280	-15.269	-0.011	0.07%	1.21%
100	23	-15.234	-15.208	-0.026	0.17%	2.80%
100	24	-15.254	-15.194	-0.061	0.40%	6.52%
100	25	-15.283	-15.238	-0.045	0.30%	4.85%
100	26 U	-15.255	-15.279	0.024	-0.16%	2.60%
100	27 U	-15.340	-15.369	0.029	-0.19%	3.11%
100	28 U	-15.276	-15.317	0.041	-0.27%	4.37%
100	29 U	-15.226	-15.238	0.012	-0.08%	1.33%
100	30 U	-15.271	-15.287	0.016	-0.11%	1.73%
	Max	-15.188	-15.194	0.113	0.83%	13.77%
	Average	-15.259	-15.286	0.026	-0.17%	4.64%
	Min	-15.375	-15.369	-0.128	-0.74%	1.21%
	Std Dev	0.043	0.046	0.043	0.28%	2.73%



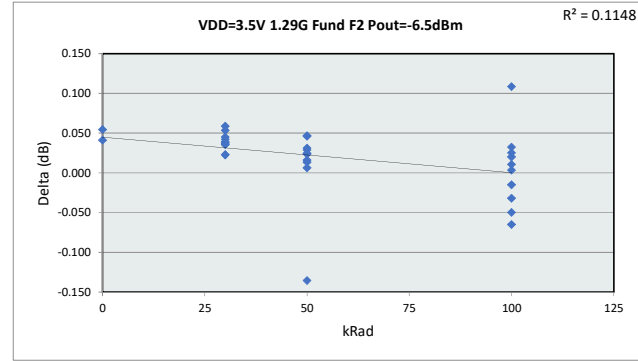
VDD=3.5V 1.29G Fund F1 Pout=-				
Test Site				
Tester				
Test Number				
Max Limit	-14.82067484		dB	
Min Limit	-15.75055194		dB	
kRad	0	30	50	100
LL	-15.751	-15.751	-15.751	-15.751
Min	-15.267	-15.364	-15.352	-15.369
Average	-15.260	-15.296	-15.290	-15.276
Max	-15.253	-15.250	-15.221	-15.194
UL	-14.821	-14.821	-14.821	-14.821



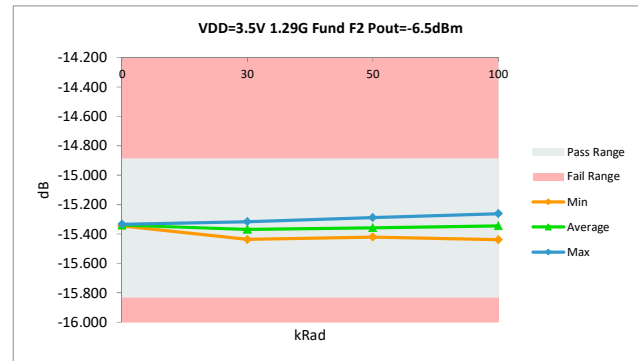
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G Fund F2 Pout=-6.5dBm		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.88440007	-14.88440007
Min Limit	-15.82766664	-15.82766664

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-15.291	-15.346	0.054	-0.36%	5.77%
0	C2	-15.292	-15.333	0.041	-0.27%	4.36%
30	1	-15.384	-15.438	0.053	-0.35%	5.67%
30	2	-15.317	-15.359	0.042	-0.27%	4.45%
30	3	-15.342	-15.381	0.039	-0.25%	4.13%
30	4	-15.317	-15.339	0.023	-0.15%	2.42%
30	5	-15.337	-15.360	0.023	-0.15%	2.42%
30	6 U	-15.269	-15.328	0.059	-0.39%	6.24%
30	7 U	-15.326	-15.371	0.045	-0.29%	4.77%
30	8 U	-15.325	-15.361	0.036	-0.24%	3.86%
30	9 U	-15.398	-15.436	0.038	-0.25%	4.02%
30	10 U	-15.280	-15.316	0.035	-0.23%	3.76%
50	11	-15.282	-15.288	0.006	-0.04%	0.68%
50	12	-15.336	-15.352	0.016	-0.10%	1.70%
50	13	-15.318	-15.342	0.024	-0.15%	2.51%
50	14	-15.403	-15.417	0.013	-0.09%	1.40%
50	15	-15.390	-15.421	0.031	-0.20%	3.30%
50	16 U	-15.300	-15.329	0.029	-0.19%	3.05%
50	17 U	-15.345	-15.392	0.047	-0.30%	4.95%
50	18 U	-15.365	-15.389	0.025	-0.16%	2.60%
50	19 U	-15.285	-15.331	0.046	-0.30%	4.89%
50	20 U	-15.452	-15.317	-0.135	0.88%	14.35%
100	21	-15.320	-15.428	0.109	-0.71%	11.51%
100	22	-15.354	-15.339	-0.015	0.10%	1.57%
100	23	-15.307	-15.275	-0.032	0.21%	3.37%
100	24	-15.326	-15.261	-0.065	0.42%	6.88%
100	25	-15.357	-15.307	-0.050	0.32%	5.26%
100	26 U	-15.330	-15.350	0.020	-0.13%	2.12%
100	27 U	-15.414	-15.439	0.025	-0.16%	2.68%
100	28 U	-15.352	-15.385	0.032	-0.21%	3.44%
100	29 U	-15.303	-15.306	0.003	-0.02%	0.37%
100	30 U	-15.344	-15.355	0.011	-0.07%	1.12%
	Max	-15.269	-15.261	0.109	0.88%	14.35%
	Average	-15.336	-15.356	0.020	-0.13%	4.05%
	Min	-15.452	-15.439	-0.135	-0.71%	0.37%
	Std Dev	0.043	0.047	0.043	0.28%	2.86%



VDD=3.5V 1.29G Fund F2 Pout=-6.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-14.88440007	dB		
Min Limit	-15.82766664	dB		
kRad	0	30	50	100
LL	-15.828	-15.828	-15.828	-15.828
Min	-15.346	-15.438	-15.421	-15.439
Average	-15.340	-15.369	-15.358	-15.345
Max	-15.333	-15.316	-15.288	-15.261
UL	-14.884	-14.884	-14.884	-14.884

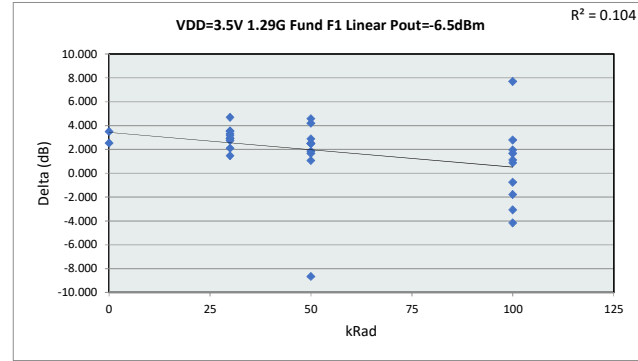


QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G Fund F1 Linea

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	327.7819562	327.7819562
Min Limit	264.4512343	264.4512343

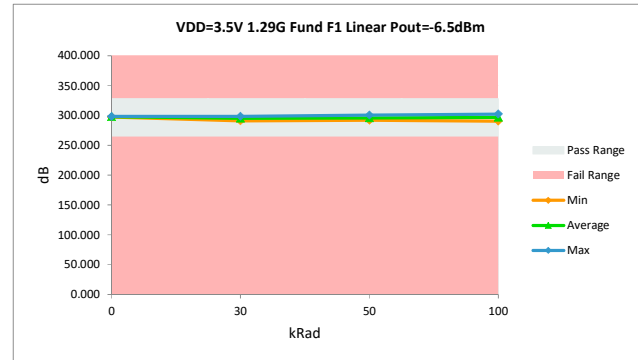
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	300.830	297.353	3.476	1.16%	5.49%
0	C2	300.832	298.312	2.520	0.84%	3.98%
30	1	294.546	291.019	3.528	1.20%	5.57%
30	2	299.262	296.348	2.914	0.97%	4.60%
30	3	297.416	294.694	2.722	0.92%	4.30%
30	4	299.370	297.282	2.088	0.70%	3.30%
30	5	297.775	296.322	1.453	0.49%	2.29%
30	6 U	302.832	298.155	4.677	1.54%	7.38%
30	7 U	298.594	295.079	3.516	1.18%	5.55%
30	8 U	298.768	295.878	2.890	0.97%	4.56%
30	9 U	293.938	290.795	3.144	1.07%	4.96%
30	10 U	301.824	298.540	3.284	1.09%	5.18%
50	11	301.571	300.526	1.045	0.35%	1.65%
50	12	298.178	296.334	1.844	0.62%	2.91%
50	13	299.196	296.693	2.503	0.84%	3.95%
50	14	293.331	291.687	1.645	0.56%	2.60%
50	15	294.064	291.592	2.472	0.84%	3.90%
50	16 U	300.531	297.662	2.868	0.95%	4.53%
50	17 U	297.800	293.245	4.554	1.53%	7.19%
50	18 U	296.401	293.930	2.471	0.83%	3.90%
50	19 U	301.613	297.440	4.173	1.38%	6.59%
50	20 U	290.069	298.750	-8.682	-2.99%	13.71%
100	21	298.858	291.172	7.686	2.57%	12.14%
100	22	296.499	297.265	-0.767	-0.26%	1.21%
100	23	299.668	301.473	-1.805	-0.60%	2.85%
100	24	298.235	302.428	-4.193	-1.41%	6.62%
100	25	296.244	299.337	-3.092	-1.04%	4.88%
100	26 U	298.202	296.550	1.653	0.55%	2.61%
100	27 U	292.433	290.492	1.941	0.66%	3.07%
100	28 U	296.759	293.993	2.766	0.93%	4.37%
100	29 U	300.214	299.359	0.856	0.29%	1.35%
100	30 U	297.128	296.027	1.101	0.37%	1.74%
	Max	302.832	302.428	7.686	2.57%	13.71%
	Average	297.906	296.117	1.789	0.60%	4.65%
	Min	290.069	290.492	-8.682	-2.99%	1.21%
	Std Dev	2.954	3.167	2.938	0.99%	2.72%



VDD=3.5V 1.29G Fund F1 Line

Test Site		
Tester		
Test Number		
Max Limit	327.7819562	dB
Min Limit	264.4512343	dB

kRad	0	30	50	100
LL	264.451	264.451	264.451	264.451
Min	297.353	290.795	291.592	290.492
Average	297.833	295.411	295.786	296.809
Max	298.312	298.540	300.526	302.428
UL	327.782	327.782	327.782	327.782

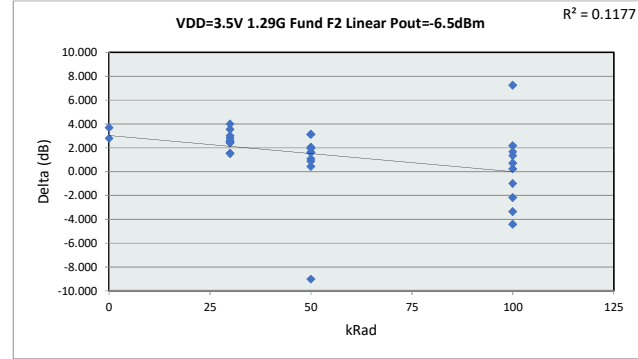


QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G Fund F2 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	322.9687136	322.9687136
Min Limit	259.7399274	259.7399274

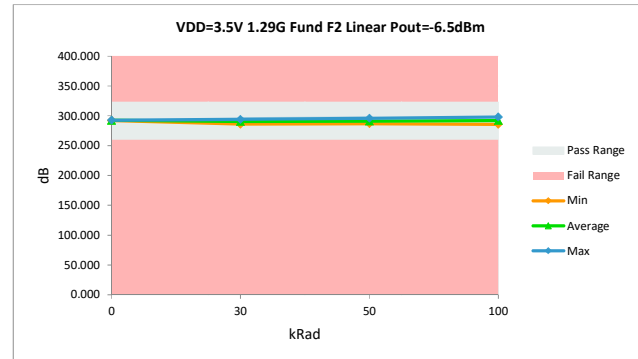
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	295.699	292.014	3.685	1.25%	5.83%
0	C2	295.643	292.858	2.785	0.94%	4.40%
30	1	289.437	285.894	3.543	1.22%	5.60%
30	2	293.996	291.165	2.831	0.96%	4.48%
30	3	292.276	289.669	2.608	0.89%	4.12%
30	4	293.997	292.456	1.541	0.52%	2.44%
30	5	292.593	291.058	1.535	0.52%	2.43%
30	6 U	297.211	293.211	4.000	1.35%	6.33%
30	7 U	293.332	290.310	3.022	1.03%	4.78%
30	8 U	293.434	290.987	2.447	0.83%	3.87%
30	9 U	288.541	286.031	2.510	0.87%	3.97%
30	10 U	296.450	294.039	2.411	0.81%	3.81%
50	11	296.349	295.910	0.439	0.15%	0.69%
50	12	292.655	291.579	1.076	0.37%	1.70%
50	13	293.895	292.298	1.597	0.54%	2.53%
50	14	288.178	287.300	0.878	0.30%	1.39%
50	15	289.065	286.999	2.066	0.71%	3.27%
50	16 U	295.120	293.169	1.951	0.66%	3.08%
50	17 U	292.048	288.923	3.125	1.07%	4.94%
50	18 U	290.770	289.133	1.637	0.56%	2.59%
50	19 U	296.154	293.022	3.132	1.06%	4.95%
50	20 U	284.975	293.997	-9.022	-3.17%	14.27%
100	21	293.793	286.539	7.254	2.47%	11.47%
100	22	291.493	292.492	-0.998	-0.34%	1.58%
100	23	294.648	296.815	-2.167	-0.74%	3.43%
100	24	293.337	297.753	-4.416	-1.51%	6.98%
100	25	291.300	294.649	-3.349	-1.15%	5.30%
100	26 U	293.067	291.720	1.347	0.46%	2.13%
100	27 U	287.484	285.815	1.669	0.58%	2.64%
100	28 U	291.585	289.414	2.171	0.74%	3.43%
100	29 U	294.942	294.707	0.235	0.08%	0.37%
100	30 U	292.122	291.412	0.710	0.24%	1.12%
	Max	297.211	297.753	7.254	2.47%	14.27%
	Average	292.675	291.354	1.320	0.45%	4.06%
	Min	284.975	285.815	-9.022	-3.17%	0.37%
	Std Dev	2.881	3.161	2.875	0.99%	2.86%



VDD=3.5V 1.29G Fund F2 Linear

Test Site		
Tester		
Test Number		
Max Limit	322.9687136	dB
Min Limit	259.7399274	dB

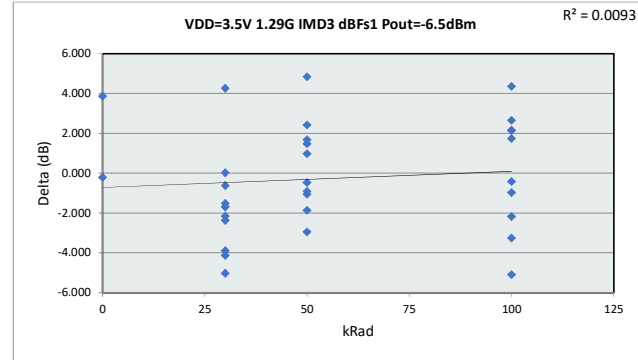
kRad	0	30	50	100
LL	259.740	259.740	259.740	259.740
Min	292.014	285.894	286.999	285.815
Average	292.436	290.482	291.233	292.132
Max	292.858	294.039	295.910	297.753
UL	322.969	322.969	322.969	322.969



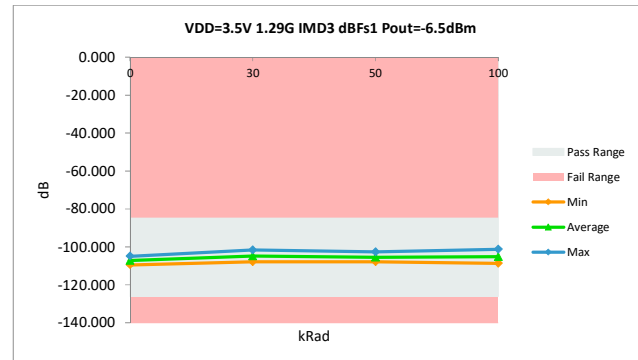
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G IMD3 dBFs1 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-84.5445508	-84.5445508
Min Limit	-126.0370122	-126.0370122

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-105.597	-109.459	3.861	-3.66%	9.31%
0	C2	-105.143	-104.922	-0.221	0.21%	0.53%
30	1	-106.970	-102.830	-4.140	3.87%	9.98%
30	2	-104.897	-103.367	-1.530	1.46%	3.69%
30	3	-107.986	-102.953	-5.033	4.66%	12.13%
30	4	-107.639	-107.655	0.016	-0.01%	0.04%
30	5	-107.486	-106.850	-0.636	0.59%	1.53%
30	6 U	-109.727	-105.829	-3.898	3.55%	9.40%
30	7 U	-104.067	-101.686	-2.381	2.29%	5.74%
30	8 U	-106.835	-104.674	-2.161	2.02%	5.21%
30	9 U	-103.566	-107.821	4.255	-4.11%	10.25%
30	10 U	-106.643	-104.940	-1.703	1.60%	4.10%
50	11	-105.175	-106.141	0.966	-0.92%	2.33%
50	12	-105.557	-104.486	-1.071	1.01%	2.58%
50	13	-103.067	-107.894	4.827	-4.68%	11.63%
50	14	-105.521	-103.642	-1.879	1.78%	4.53%
50	15	-103.216	-102.742	-0.474	0.46%	1.14%
50	16 U	-107.655	-104.697	-2.958	2.75%	7.13%
50	17 U	-106.183	-107.648	1.465	-1.38%	3.53%
50	18 U	-103.105	-104.775	1.670	-1.62%	4.02%
50	19 U	-106.183	-105.266	-0.917	0.86%	2.21%
50	20 U	-104.860	-107.274	2.414	-2.30%	5.82%
100	21	-105.998	-105.564	-0.435	0.41%	1.05%
100	22	-108.578	-105.314	-3.264	3.01%	7.87%
100	23	-103.584	-105.729	2.144	-2.07%	5.17%
100	24	-105.789	-107.918	2.129	-2.01%	5.13%
100	25	-104.362	-106.087	1.725	-1.65%	4.16%
100	26 U	-104.312	-108.657	4.346	-4.17%	10.47%
100	27 U	-104.742	-102.560	-2.181	2.08%	5.26%
100	28 U	-101.085	-103.729	2.644	-2.62%	6.37%
100	29 U	-105.866	-104.884	-0.982	0.93%	2.37%
100	30 U	-106.413	-101.313	-5.099	4.79%	12.29%
	Max	-101.085	-101.313	4.827	4.79%	12.29%
	Average	-105.556	-105.291	-0.266	0.22%	5.53%
	Min	-109.727	-109.459	-5.099	-4.68%	0.04%
	Std Dev	1.833	2.075	2.750	2.60%	3.58%



VDD=3.5V 1.29G IMD3 dBFs1				
Test Site				
Tester				
Test Number				
Max Limit	-84.5445508		dB	
Min Limit	-126.0370122		dB	
kRad	0	30	50	100
LL	-126.037	-126.037	-126.037	-126.037
Min	-109.459	-107.821	-107.894	-108.657
Average	-107.190	-104.860	-105.456	-105.176
Max	-104.922	-101.686	-102.742	-101.313
UL	-84.545	-84.545	-84.545	-84.545

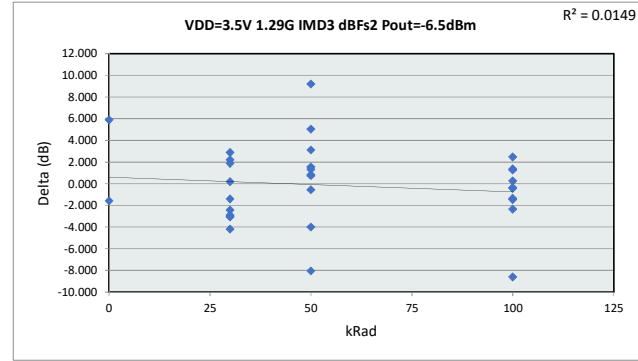


QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G IMD3 dBFs2 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-83.52947474	-83.52947474
Min Limit	-127.5362501	-127.5362501

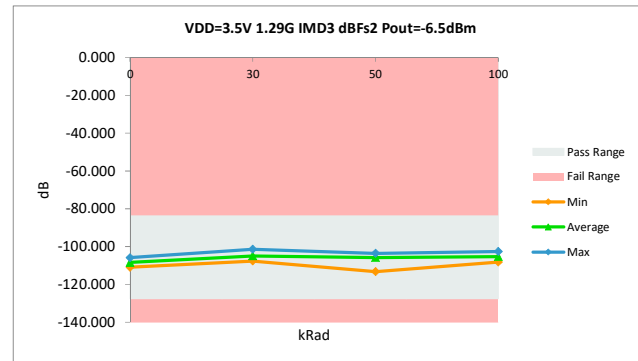
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-105.125	-111.024	5.899	-5.61%	13.40%
0	C2	-107.455	-105.878	-1.577	1.47%	3.58%
30	1	-106.935	-104.501	-2.434	2.28%	5.53%
30	2	-101.982	-104.191	2.210	-2.17%	5.02%
30	3	-102.190	-105.072	2.883	-2.82%	6.55%
30	4	-110.406	-106.223	-4.183	3.79%	9.50%
30	5	-107.440	-107.624	0.184	-0.17%	0.42%
30	6 U	-108.422	-105.530	-2.892	2.67%	6.57%
30	7 U	-103.136	-105.003	1.867	-1.81%	4.24%
30	8 U	-108.026	-104.955	-3.071	2.84%	6.98%
30	9 U	-104.429	-101.438	-2.991	2.86%	6.80%
30	10 U	-105.932	-104.532	-1.399	1.32%	3.18%
50	11	-100.465	-103.585	3.119	-3.11%	7.09%
50	12	-102.038	-107.080	5.042	-4.94%	11.46%
50	13	-113.529	-105.473	-8.056	7.10%	18.31%
50	14	-103.986	-104.720	0.735	-0.71%	1.67%
50	15	-102.553	-103.873	1.321	-1.29%	3.00%
50	16 U	-103.667	-105.214	1.547	-1.49%	3.52%
50	17 U	-104.938	-105.774	0.836	-0.80%	1.90%
50	18 U	-105.440	-104.889	-0.551	0.52%	1.25%
50	19 U	-108.411	-104.415	-3.996	3.69%	9.08%
50	20 U	-104.156	-113.357	9.201	-8.83%	20.91%
100	21	-114.259	-105.652	-8.607	7.53%	19.56%
100	22	-103.173	-105.643	2.470	-2.39%	5.61%
100	23	-105.016	-103.563	-1.453	1.38%	3.30%
100	24	-107.601	-105.258	-2.343	2.18%	5.32%
100	25	-104.818	-105.084	0.267	-0.25%	0.61%
100	26 U	-106.930	-108.202	1.272	-1.19%	2.89%
100	27 U	-106.419	-105.072	-1.346	1.27%	3.06%
100	28 U	-102.995	-102.633	-0.362	0.35%	0.82%
100	29 U	-105.072	-106.426	1.354	-1.29%	3.08%
100	30 U	-105.595	-105.165	-0.430	0.41%	0.98%
Max		-100.465	-101.438	9.201	7.53%	20.91%
Average		-105.704	-105.533	-0.171	0.09%	6.10%
Min		-114.259	-113.357	-8.607	-8.83%	0.42%
Std Dev		3.116	2.200	3.614	3.36%	5.40%



VDD=3.5V 1.29G IMD3 dBFs2

Test Site			
Tester			
Test Number			
Max Limit	-83.52947474	dB	
Min Limit	-127.5362501	dB	

kRad	0	30	50	100
LL	-127.536	-127.536	-127.536	-127.536
Min	-111.024	-107.624	-113.357	-108.202
Average	-108.451	-104.907	-105.838	-105.270
Max	-105.878	-101.438	-103.585	-102.633
UL	-83.529	-83.529	-83.529	-83.529



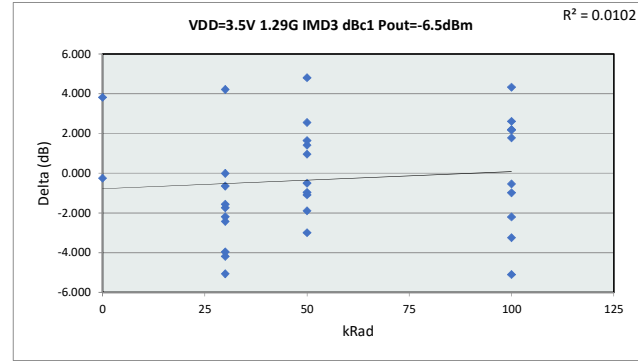
QMLP TID Report

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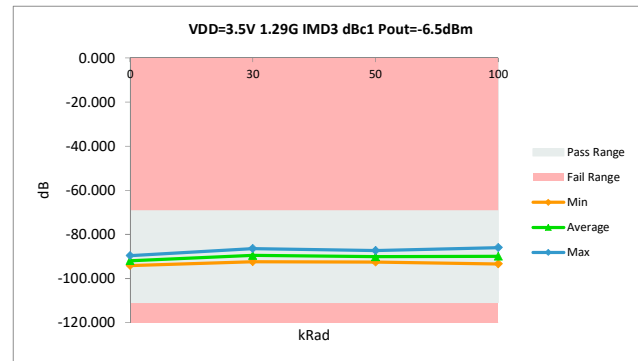
VDD=3.5V 1.29G IMD3 dBc1 Pout

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-69.08252278	-69.08252278
Min Limit	-110.9278141	-110.9278141

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-90.381	-94.192	3.811	-4.22%	9.11%
0	C2	-89.927	-89.669	-0.258	0.29%	0.62%
30	1	-91.662	-87.470	-4.192	4.57%	10.02%
30	2	-89.657	-88.085	-1.573	1.75%	3.76%
30	3	-92.719	-87.646	-5.073	5.47%	12.12%
30	4	-92.401	-92.386	-0.015	0.02%	0.03%
30	5	-92.225	-91.568	-0.657	0.71%	1.57%
30	6 U	-94.539	-90.573	-3.966	4.20%	9.48%
30	7 U	-88.818	-86.386	-2.432	2.74%	5.81%
30	8 U	-91.588	-89.385	-2.203	2.41%	5.27%
30	9 U	-88.248	-92.456	4.208	-4.77%	10.06%
30	10 U	-91.440	-89.690	-1.750	1.91%	4.18%
50	11	-89.969	-90.920	0.951	-1.06%	2.27%
50	12	-90.302	-89.204	-1.098	1.22%	2.62%
50	13	-87.826	-92.617	4.791	-5.45%	11.45%
50	14	-90.194	-88.291	-1.904	2.11%	4.55%
50	15	-87.901	-87.390	-0.511	0.58%	1.22%
50	16 U	-92.434	-89.434	-3.000	3.25%	7.17%
50	17 U	-90.922	-92.320	1.398	-1.54%	3.34%
50	18 U	-87.824	-89.458	1.634	-1.86%	3.90%
50	19 U	-90.977	-90.000	-0.978	1.07%	2.34%
50	20 U	-89.485	-92.027	2.542	-2.84%	6.08%
100	21	-90.753	-90.205	-0.548	0.60%	1.31%
100	22	-93.299	-90.046	-3.253	3.49%	7.77%
100	23	-88.351	-90.521	2.171	-2.46%	5.19%
100	24	-90.534	-92.724	2.190	-2.42%	5.23%
100	25	-89.079	-90.849	1.770	-1.99%	4.23%
100	26 U	-89.057	-93.378	4.322	-4.85%	10.33%
100	27 U	-89.402	-87.192	-2.210	2.47%	5.28%
100	28 U	-85.809	-88.412	2.603	-3.03%	6.22%
100	29 U	-90.640	-89.646	-0.995	1.10%	2.38%
100	30 U	-91.142	-86.027	-5.115	5.61%	12.22%
Max		-85.809	-86.027	4.791	5.61%	12.22%
Average		-90.297	-90.005	-0.292	0.28%	5.54%
Min		-94.539	-94.192	-5.115	-5.45%	0.03%
Std Dev		1.847	2.092	2.761	3.06%	3.52%



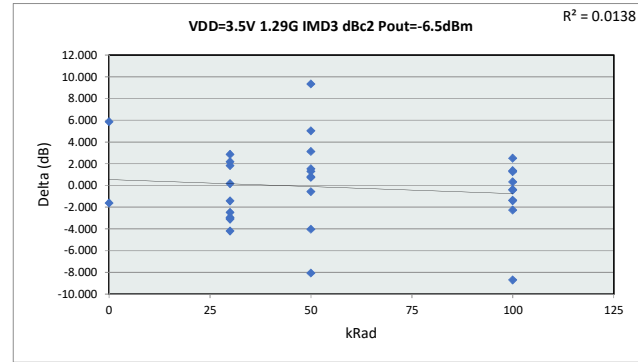
kRad	0	30	50	100
LL	-110.928	-110.928	-110.928	-110.928
Min	-94.192	-92.456	-92.617	-93.378
Average	-91.930	-89.565	-90.166	-89.900
Max	-89.669	-86.386	-87.390	-86.027
UL	-69.083	-69.083	-69.083	-69.083



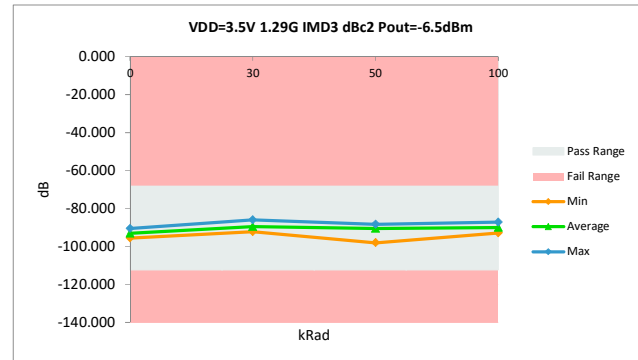
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 1.29G IMD3 dBc2 Po		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-68.05939506	-68.05939506
Min Limit	-112.2942627	-112.2942627

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-89.834	-95.678	5.844	-6.51%	13.21%
0	C2	-92.163	-90.544	-1.618	1.76%	3.66%
30	1	-91.551	-89.063	-2.488	2.72%	5.62%
30	2	-86.665	-88.833	2.168	-2.50%	4.90%
30	3	-86.848	-89.691	2.844	-3.27%	6.43%
30	4	-95.089	-90.883	-4.206	4.42%	9.51%
30	5	-92.103	-92.264	0.161	-0.18%	0.36%
30	6 U	-93.153	-90.202	-2.951	3.17%	6.67%
30	7 U	-87.809	-89.632	1.823	-2.08%	4.12%
30	8 U	-92.702	-89.594	-3.108	3.35%	7.03%
30	9 U	-89.031	-86.002	-3.029	3.40%	6.85%
30	10 U	-90.651	-89.217	-1.435	1.58%	3.24%
50	11	-85.184	-88.297	3.113	-3.65%	7.04%
50	12	-86.702	-91.727	5.026	-5.80%	11.36%
50	13	-98.211	-90.131	-8.080	8.23%	18.27%
50	14	-88.582	-89.303	0.721	-0.81%	1.63%
50	15	-87.163	-88.452	1.290	-1.48%	2.92%
50	16 U	-88.367	-89.885	1.518	-1.72%	3.43%
50	17 U	-89.593	-90.382	0.789	-0.88%	1.78%
50	18 U	-90.076	-89.500	-0.576	0.64%	1.30%
50	19 U	-93.126	-89.084	-4.042	4.34%	9.14%
50	20 U	-88.704	-98.040	9.336	-10.53%	21.11%
100	21	-98.939	-90.224	-8.715	8.81%	19.70%
100	22	-87.819	-90.304	2.485	-2.83%	5.62%
100	23	-89.709	-88.288	-1.421	1.58%	3.21%
100	24	-92.275	-89.997	-2.278	2.47%	5.15%
100	25	-89.461	-89.777	0.316	-0.35%	0.72%
100	26 U	-91.600	-92.852	1.252	-1.37%	2.83%
100	27 U	-91.005	-89.633	-1.372	1.51%	3.10%
100	28 U	-87.643	-87.248	-0.395	0.45%	0.89%
100	29 U	-89.770	-91.120	1.350	-1.50%	3.05%
100	30 U	-90.251	-89.810	-0.441	0.49%	1.00%
Max		-85.184	-86.002	9.336	8.81%	21.11%
Average		-90.368	-90.177	-0.191	0.11%	6.09%
Min		-98.939	-98.040	-8.715	-10.53%	0.36%
Std Dev		3.126	2.212	3.634	3.94%	5.42%



VDD=3.5V 1.29G IMD3 dBc2 P				
Test Site				
Tester				
Test Number				
Max Limit	-68.05939506			dB
Min Limit	-112.2942627			dB
kRad	0	30	50	100
LL	-112.294	-112.294	-112.294	-112.294
Min	-95.678	-92.264	-98.040	-92.852
Average	-93.111	-89.538	-90.480	-89.925
Max	-90.544	-86.002	-88.297	-87.248
UL	-68.059	-68.059	-68.059	-68.059

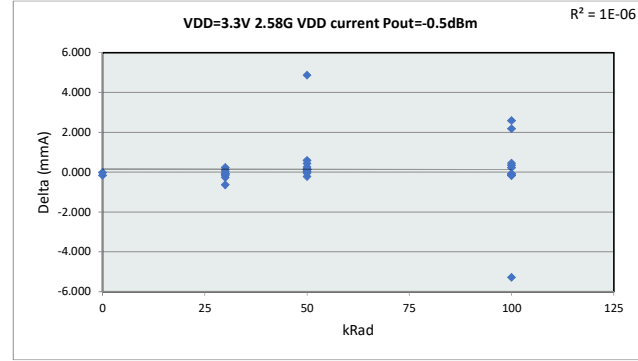


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G VDD current P

Test Site		
Tester		
Test Number		
Unit	mmA	mmA
Max Limit	168.2442165	168.2442165
Min Limit	131.0497002	131.0497002

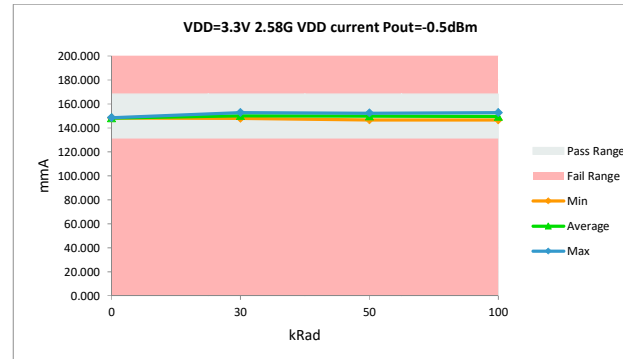
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	148.319	148.491	-0.172	-0.12%	0.46%
0	C2	148.047	148.074	-0.027	-0.02%	0.07%
30	1	149.786	149.871	-0.085	-0.06%	0.23%
30	2	149.603	149.693	-0.090	-0.06%	0.24%
30	3	152.388	152.668	-0.280	-0.18%	0.75%
30	4	147.625	147.805	-0.180	-0.12%	0.48%
30	5	152.057	151.952	0.105	0.07%	0.28%
30	6 U	148.758	148.901	-0.143	-0.10%	0.39%
30	7 U	149.939	149.719	0.220	0.15%	0.59%
30	8 U	148.239	148.880	-0.641	-0.43%	1.72%
30	9 U	151.280	151.357	-0.077	-0.05%	0.21%
30	10 U	149.899	149.858	0.041	0.03%	0.11%
50	11	149.030	148.453	0.577	0.39%	1.55%
50	12	152.365	151.935	0.430	0.28%	1.16%
50	13	148.859	148.740	0.119	0.08%	0.32%
50	14	150.319	150.171	0.147	0.10%	0.40%
50	15	152.386	152.266	0.119	0.08%	0.32%
50	16 U	146.246	146.477	-0.231	-0.16%	0.62%
50	17 U	150.230	150.284	-0.054	-0.04%	0.15%
50	18 U	151.599	151.343	0.256	0.17%	0.69%
50	19 U	149.792	149.768	0.024	0.02%	0.06%
50	20 U	152.623	147.760	4.863	3.19%	13.08%
100	21	147.202	152.492	-5.290	-3.59%	14.22%
100	22	148.406	148.066	0.340	0.23%	0.91%
100	23	148.731	148.280	0.451	0.30%	1.21%
100	24	149.121	146.550	2.571	1.72%	6.91%
100	25	150.282	148.114	2.168	1.44%	5.83%
100	26 U	146.982	147.076	-0.093	-0.06%	0.25%
100	27 U	152.722	152.504	0.219	0.14%	0.59%
100	28 U	152.378	152.556	-0.178	-0.12%	0.48%
100	29 U	148.195	148.301	-0.106	-0.07%	0.29%
100	30 U	150.140	150.299	-0.159	-0.11%	0.43%
	Max	152.722	152.668	4.863	3.19%	14.22%
	Average	149.798	149.647	0.151	0.10%	1.72%
	Min	146.246	146.477	-5.290	-3.59%	0.06%
	Std Dev	1.822	1.860	1.437	0.96%	3.47%



VDD=3.3V 2.58G VDD current

Test Site	
Tester	
Test Number	
Max Limit	168.2442165 mmA
Min Limit	131.0497002 mmA

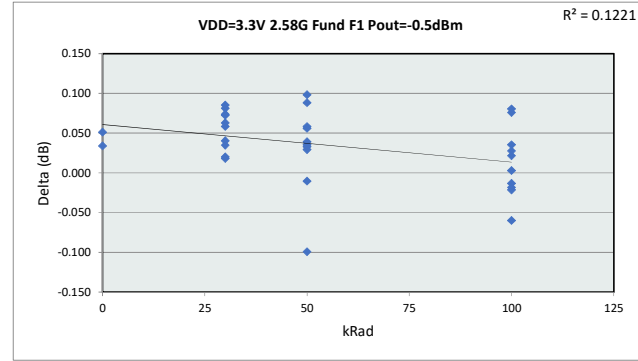
kRad	0	30	50	100
LL	131.050	131.050	131.050	131.050
Min	148.074	147.805	146.477	146.550
Average	148.282	150.070	149.720	149.424
Max	148.491	152.668	152.266	152.556
UL	168.244	168.244	168.244	168.244



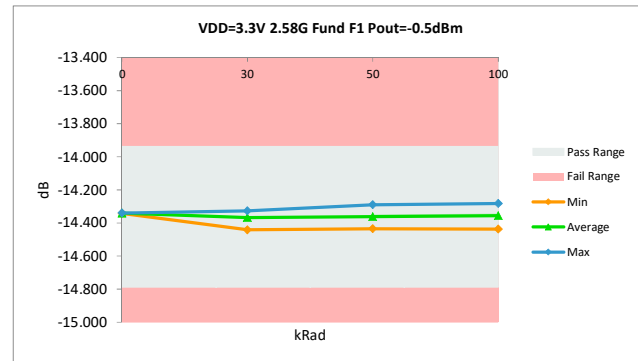
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G Fund F1 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-13.93437827	-13.93437827
Min Limit	-14.78663211	-14.78663211

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.291	-14.343	0.051	-0.36%	6.02%
0	C2	-14.306	-14.340	0.034	-0.24%	3.98%
30	1	-14.363	-14.426	0.063	-0.44%	7.39%
30	2	-14.296	-14.377	0.081	-0.57%	9.55%
30	3	-14.299	-14.339	0.041	-0.28%	4.75%
30	4	-14.324	-14.344	0.020	-0.14%	2.35%
30	5	-14.350	-14.368	0.018	-0.13%	2.12%
30	6 U	-14.242	-14.327	0.085	-0.60%	10.02%
30	7 U	-14.309	-14.344	0.035	-0.24%	4.08%
30	8 U	-14.315	-14.373	0.058	-0.41%	6.86%
30	9 U	-14.368	-14.442	0.074	-0.51%	8.66%
30	10 U	-14.261	-14.333	0.073	-0.51%	8.52%
50	11	-14.300	-14.290	-0.010	0.07%	1.22%
50	12	-14.333	-14.366	0.033	-0.23%	3.87%
50	13	-14.301	-14.358	0.056	-0.39%	6.59%
50	14	-14.385	-14.414	0.029	-0.20%	3.44%
50	15	-14.377	-14.435	0.058	-0.41%	6.84%
50	16 U	-14.286	-14.325	0.039	-0.27%	4.59%
50	17 U	-14.316	-14.414	0.098	-0.69%	11.55%
50	18 U	-14.325	-14.360	0.036	-0.25%	4.17%
50	19 U	-14.260	-14.348	0.088	-0.62%	10.35%
50	20 U	-14.411	-14.312	-0.099	0.69%	11.64%
100	21	-14.330	-14.410	0.080	-0.56%	9.44%
100	22	-14.339	-14.367	0.028	-0.19%	3.25%
100	23	-14.324	-14.306	-0.018	0.13%	2.15%
100	24	-14.342	-14.283	-0.060	0.42%	7.02%
100	25	-14.378	-14.365	-0.013	0.09%	1.55%
100	26 U	-14.324	-14.346	0.022	-0.15%	2.54%
100	27 U	-14.402	-14.438	0.035	-0.25%	4.15%
100	28 U	-14.316	-14.392	0.076	-0.53%	8.90%
100	29 U	-14.321	-14.324	0.003	-0.02%	0.35%
100	30 U	-14.348	-14.327	-0.021	0.15%	2.51%
	Max	-14.242	-14.283	0.098	0.69%	11.64%
	Average	-14.326	-14.361	0.034	-0.24%	5.64%
	Min	-14.411	-14.442	-0.099	-0.69%	0.35%
	Std Dev	0.040	0.043	0.044	0.31%	3.23%



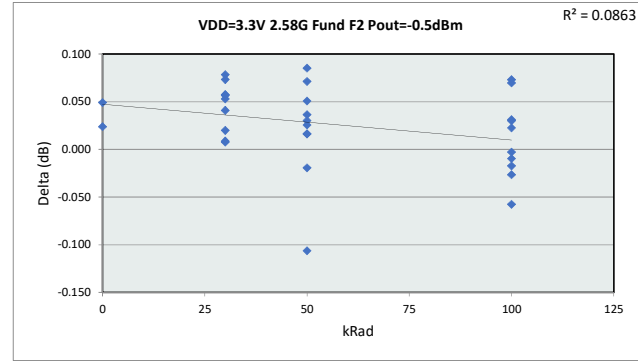
VDD=3.3V 2.58G Fund F1 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-13.93437827		dB	
Min Limit	-14.78663211		dB	
kRad	0	30	50	100
LL	-14.787	-14.787	-14.787	-14.787
Min	-14.343	-14.442	-14.435	-14.438
Average	-14.341	-14.367	-14.362	-14.356
Max	-14.340	-14.327	-14.290	-14.283
UL	-13.934	-13.934	-13.934	-13.934



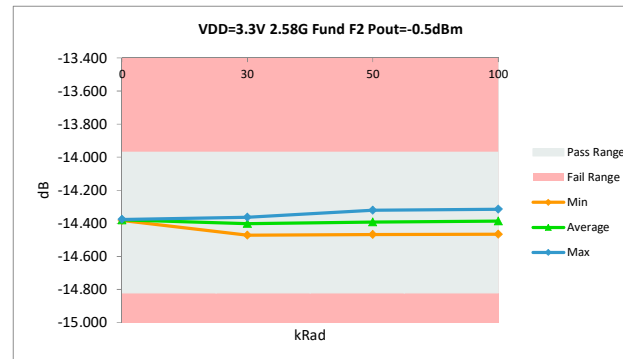
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G Fund F2 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-13.96563719	-13.96563719
Min Limit	-14.81959225	-14.81959225

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.334	-14.383	0.049	-0.34%	5.72%
0	C2	-14.353	-14.376	0.024	-0.16%	2.77%
30	1	-14.407	-14.465	0.057	-0.40%	6.69%
30	2	-14.335	-14.413	0.078	-0.55%	9.15%
30	3	-14.337	-14.377	0.041	-0.28%	4.76%
30	4	-14.367	-14.376	0.009	-0.06%	1.00%
30	5	-14.395	-14.402	0.008	-0.05%	0.88%
30	6 U	-14.289	-14.363	0.073	-0.51%	8.57%
30	7 U	-14.353	-14.372	0.020	-0.14%	2.31%
30	8 U	-14.358	-14.411	0.053	-0.37%	6.18%
30	9 U	-14.416	-14.473	0.057	-0.39%	6.66%
30	10 U	-14.307	-14.363	0.056	-0.39%	6.61%
50	11	-14.340	-14.321	-0.020	0.14%	2.29%
50	12	-14.380	-14.396	0.016	-0.11%	1.88%
50	13	-14.344	-14.380	0.036	-0.25%	4.25%
50	14	-14.426	-14.442	0.016	-0.11%	1.86%
50	15	-14.417	-14.468	0.051	-0.35%	5.92%
50	16 U	-14.328	-14.358	0.030	-0.21%	3.52%
50	17 U	-14.361	-14.446	0.085	-0.59%	9.96%
50	18 U	-14.370	-14.395	0.025	-0.18%	2.96%
50	19 U	-14.304	-14.375	0.071	-0.50%	8.33%
50	20 U	-14.448	-14.341	-0.106	0.74%	12.47%
100	21	-14.366	-14.439	0.073	-0.51%	8.54%
100	22	-14.374	-14.403	0.030	-0.21%	3.49%
100	23	-14.354	-14.337	-0.017	0.12%	2.04%
100	24	-14.372	-14.315	-0.058	0.40%	6.76%
100	25	-14.407	-14.398	-0.010	0.07%	1.15%
100	26 U	-14.358	-14.380	0.022	-0.16%	2.62%
100	27 U	-14.435	-14.466	0.031	-0.22%	3.64%
100	28 U	-14.352	-14.421	0.069	-0.48%	8.12%
100	29 U	-14.358	-14.355	-0.003	0.02%	0.35%
100	30 U	-14.381	-14.355	-0.027	0.19%	3.15%
	Max	-14.289	-14.315	0.085	0.74%	12.47%
	Average	-14.366	-14.393	0.026	-0.18%	4.83%
	Min	-14.448	-14.473	-0.106	-0.59%	0.35%
	Std Dev	0.038	0.043	0.042	0.29%	3.08%



VDD=3.3V 2.58G Fund F2 Pout=-				
Test Site				
Tester				
Test Number				
Max Limit	-13.96563719		dB	
Min Limit	-14.81959225		dB	
kRad	0	30	50	100
LL	-14.820	-14.820	-14.820	-14.820
Min	-14.383	-14.473	-14.468	-14.466
Average	-14.379	-14.401	-14.392	-14.387
Max	-14.376	-14.363	-14.321	-14.315
UL	-13.966	-13.966	-13.966	-13.966

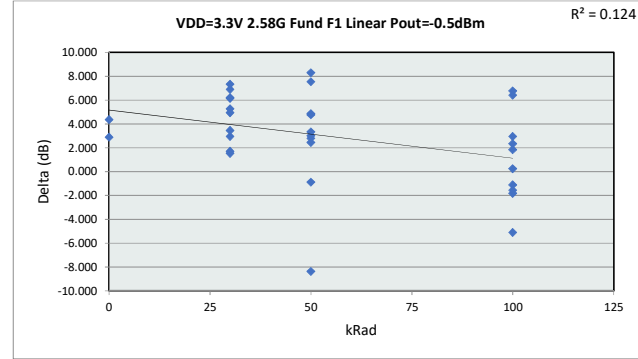


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G Fund F1 Linea

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	402.3022025	402.3022025
Min Limit	330.5218312	330.5218312

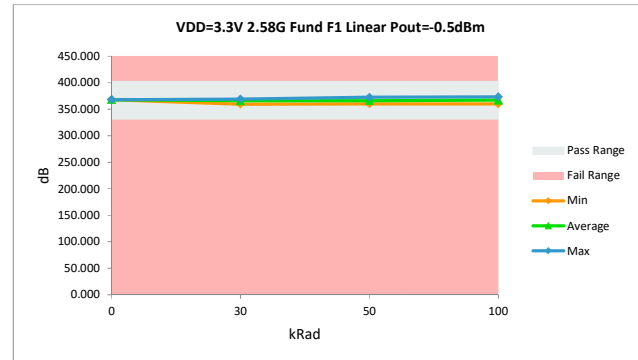
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	372.271	367.898	4.373	1.17%	6.09%
0	C2	371.030	368.143	2.887	0.78%	4.02%
30	1	366.161	360.892	5.269	1.44%	7.34%
30	2	371.908	365.006	6.902	1.86%	9.62%
30	3	371.636	368.185	3.451	0.93%	4.81%
30	4	369.526	367.822	1.704	0.46%	2.37%
30	5	367.319	365.793	1.526	0.42%	2.13%
30	6 U	376.530	369.199	7.331	1.95%	10.21%
30	7 U	370.764	367.807	2.957	0.80%	4.12%
30	8 U	370.274	365.321	4.954	1.34%	6.90%
30	9 U	365.757	359.594	6.163	1.68%	8.59%
30	10 U	374.898	368.685	6.213	1.66%	8.66%
50	11	371.519	372.407	-0.888	-0.24%	1.24%
50	12	368.718	365.928	2.790	0.76%	3.89%
50	13	371.410	366.636	4.773	1.29%	6.65%
50	14	364.373	361.918	2.454	0.67%	3.42%
50	15	365.007	360.137	4.870	1.33%	6.78%
50	16 U	372.716	369.372	3.344	0.90%	4.66%
50	17 U	370.196	361.900	8.296	2.24%	11.56%
50	18 U	369.409	366.398	3.011	0.82%	4.19%
50	19 U	374.967	367.429	7.538	2.01%	10.50%
50	20 U	362.156	370.526	-8.370	-2.31%	11.66%
100	21	368.975	362.203	6.772	1.84%	9.43%
100	22	368.211	365.871	2.340	0.64%	3.26%
100	23	369.447	371.009	-1.563	-0.42%	2.18%
100	24	367.917	373.019	-5.101	-1.39%	7.11%
100	25	364.909	366.019	-1.110	-0.30%	1.55%
100	26 U	369.496	367.657	1.839	0.50%	2.56%
100	27 U	362.898	359.954	2.944	0.81%	4.10%
100	28 U	370.147	363.740	6.407	1.73%	8.93%
100	29 U	369.721	369.468	0.253	0.07%	0.35%
100	30 U	367.433	369.249	-1.816	-0.49%	2.53%
	Max	376.530	373.019	8.296	2.24%	11.66%
	Average	369.303	366.412	2.891	0.78%	5.67%
	Min	362.156	359.594	-8.370	-2.31%	0.35%
	Std Dev	3.375	3.589	3.727	1.01%	3.25%



VDD=3.3V 2.58G Fund F1 Line

Test Site		
Tester		
Test Number		
Max Limit	402.3022025	dB
Min Limit	330.5218312	dB

kRad	0	30	50	100
LL	330.522	330.522	330.522	330.522
Min	367.898	359.594	360.137	359.954
Average	368.021	365.830	366.265	366.819
Max	368.143	369.199	372.407	373.019
UL	402.302	402.302	402.302	402.302

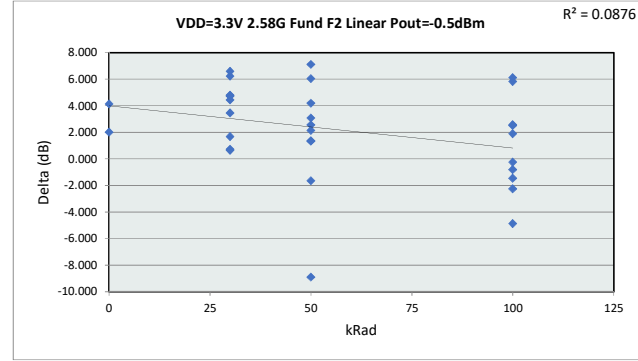


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G Fund F2 Linea

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	399.4194426	399.4194426
Min Limit	328.0065809	328.0065809

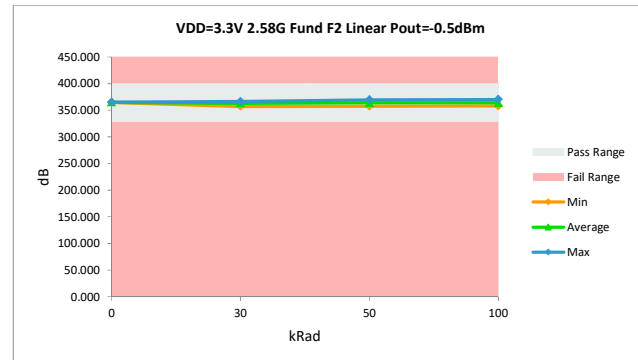
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	368.654	364.531	4.123	1.12%	5.77%
0	C2	367.065	365.073	1.992	0.54%	2.79%
30	1	362.452	357.719	4.734	1.31%	6.63%
30	2	368.576	362.001	6.575	1.78%	9.21%
30	3	368.424	364.989	3.435	0.93%	4.81%
30	4	365.828	365.111	0.717	0.20%	1.00%
30	5	363.527	362.895	0.631	0.17%	0.88%
30	6 U	372.448	366.227	6.221	1.67%	8.71%
30	7 U	367.052	365.387	1.665	0.45%	2.33%
30	8 U	366.575	362.145	4.430	1.21%	6.20%
30	9 U	361.774	357.064	4.710	1.30%	6.60%
30	10 U	370.945	366.153	4.792	1.29%	6.71%
50	11	368.092	369.752	-1.660	-0.45%	2.32%
50	12	364.738	363.391	1.347	0.37%	1.89%
50	13	367.778	364.717	3.061	0.83%	4.29%
50	14	360.900	359.580	1.320	0.37%	1.85%
50	15	361.660	357.477	4.183	1.16%	5.86%
50	16 U	369.144	366.596	2.548	0.69%	3.57%
50	17 U	366.359	359.257	7.102	1.94%	9.95%
50	18 U	365.629	363.505	2.124	0.58%	2.97%
50	19 U	371.184	365.154	6.030	1.62%	8.44%
50	20 U	359.118	368.032	-8.914	-2.48%	12.48%
100	21	365.963	359.867	6.096	1.67%	8.54%
100	22	365.291	362.790	2.501	0.68%	3.50%
100	23	366.926	368.402	-1.476	-0.40%	2.07%
100	24	365.404	370.290	-4.886	-1.34%	6.84%
100	25	362.455	363.275	-0.820	-0.23%	1.15%
100	26 U	366.624	364.743	1.881	0.51%	2.63%
100	27 U	360.180	357.613	2.567	0.71%	3.59%
100	28 U	367.119	361.301	5.818	1.58%	8.15%
100	29 U	366.631	366.883	-0.251	-0.07%	0.35%
100	30 U	364.634	366.898	-2.264	-0.62%	3.17%
Max		372.448	370.290	7.102	1.94%	12.48%
Average		365.911	363.713	2.198	0.60%	4.85%
Min		359.118	357.064	-8.914	-2.48%	0.35%
Std Dev		3.187	3.571	3.505	0.96%	3.09%



VDD=3.3V 2.58G Fund F2 Line

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	399.4194426	399.4194426
Min Limit	328.0065809	328.0065809

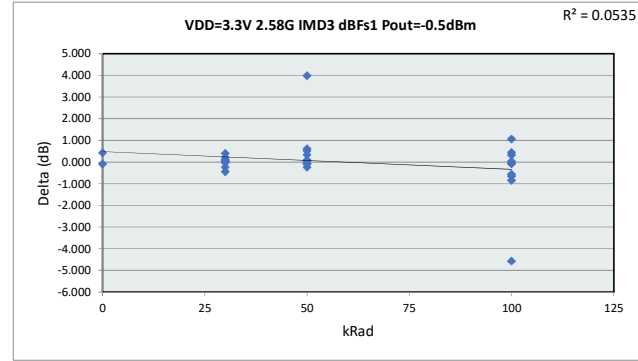
kRad	0	30	50	100
LL	328.007	328.007	328.007	328.007
Min	364.531	357.064	357.477	357.613
Average	364.802	362.969	363.746	364.206
Max	365.073	366.227	369.752	370.290
UL	399.419	399.419	399.419	399.419



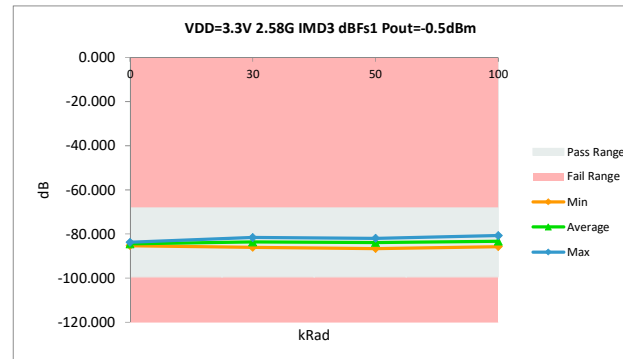
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G IMD3 dBFs1 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-67.86487694	-67.86487694
Min Limit	-99.45973329	-99.45973329

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-84.849	-85.275	0.426	-0.50%	1.35%
0	C2	-83.881	-83.793	-0.088	0.11%	0.28%
30	1	-81.637	-81.615	-0.022	0.03%	0.07%
30	2	-82.844	-83.045	0.201	-0.24%	0.64%
30	3	-81.986	-82.014	0.028	-0.03%	0.09%
30	4	-86.063	-86.067	0.004	-0.01%	0.01%
30	5	-85.115	-85.515	0.400	-0.47%	1.26%
30	6 U	-85.464	-85.450	-0.014	0.02%	0.04%
30	7 U	-82.994	-83.099	0.105	-0.13%	0.33%
30	8 U	-83.721	-83.276	-0.444	0.53%	1.41%
30	9 U	-83.102	-82.861	-0.241	0.29%	0.76%
30	10 U	-83.110	-83.170	0.061	-0.07%	0.19%
50	11	-83.276	-83.786	0.510	-0.61%	1.61%
50	12	-85.203	-85.109	-0.094	0.11%	0.30%
50	13	-83.933	-83.984	0.050	-0.06%	0.16%
50	14	-82.012	-82.348	0.336	-0.41%	1.06%
50	15	-81.336	-81.943	0.608	-0.75%	1.92%
50	16 U	-83.920	-83.678	-0.242	0.29%	0.77%
50	17 U	-85.282	-85.345	0.063	-0.07%	0.20%
50	18 U	-81.893	-81.983	0.090	-0.11%	0.29%
50	19 U	-84.431	-84.352	-0.079	0.09%	0.25%
50	20 U	-82.594	-86.575	3.982	-4.82%	12.60%
100	21	-87.357	-82.782	-4.574	5.24%	14.48%
100	22	-85.218	-85.541	0.323	-0.38%	1.02%
100	23	-82.822	-83.261	0.439	-0.53%	1.39%
100	24	-84.988	-84.426	-0.562	0.66%	1.78%
100	25	-84.679	-85.740	1.061	-1.25%	3.36%
100	26 U	-84.925	-84.958	0.033	-0.04%	0.10%
100	27 U	-81.521	-81.441	-0.080	0.10%	0.25%
100	28 U	-80.801	-80.738	-0.063	0.08%	0.20%
100	29 U	-83.707	-83.061	-0.646	0.77%	2.04%
100	30 U	-81.801	-80.961	-0.840	1.03%	2.66%
	Max	-80.801	-80.738	3.982	5.24%	14.48%
	Average	-83.640	-83.662	0.023	-0.04%	1.65%
	Min	-87.357	-86.575	-4.574	-4.82%	0.01%
	Std Dev	1.575	1.580	1.152	1.35%	3.24%



VDD=3.3V 2.58G IMD3 dBFs1				
Test Site				
Tester				
Test Number				
Max Limit	-67.86487694		dB	
Min Limit	-99.45973329		dB	
kRad	0	30	50	100
LL	-99.460	-99.460	-99.460	-99.460
Min	-85.275	-86.067	-86.575	-85.740
Average	-84.534	-83.611	-83.910	-83.291
Max	-83.793	-81.615	-81.943	-80.738
UL	-67.865	-67.865	-67.865	-67.865

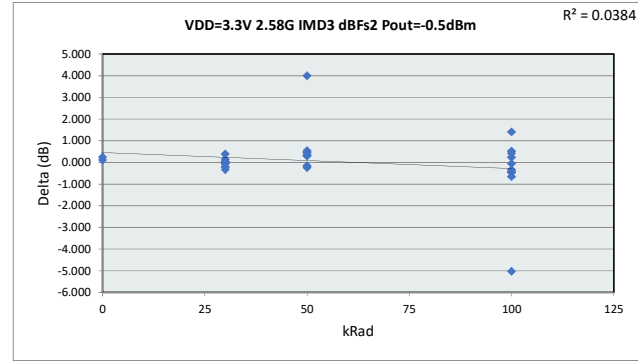


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G IMD3 dBFs2 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-68.45587084	-68.45587084
Min Limit	-99.25161913	-99.25161913

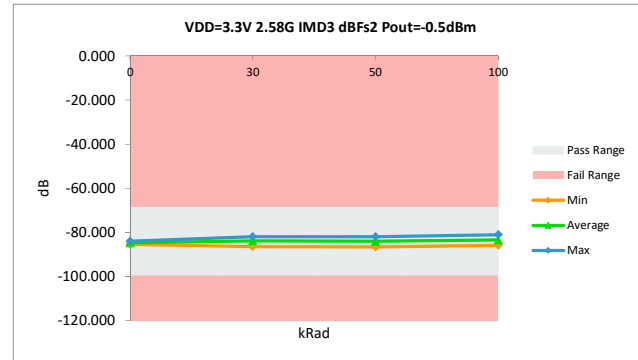
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-85.211	-85.449	0.237	-0.28%	0.77%
0	C2	-83.900	-84.003	0.103	-0.12%	0.33%
30	1	-81.821	-81.954	0.133	-0.16%	0.43%
30	2	-83.254	-83.211	-0.043	0.05%	0.14%
30	3	-82.291	-82.332	0.041	-0.05%	0.13%
30	4	-86.078	-86.452	0.374	-0.43%	1.22%
30	5	-85.463	-85.407	-0.055	0.06%	0.18%
30	6 U	-86.024	-85.790	-0.234	0.27%	0.76%
30	7 U	-83.138	-83.164	0.026	-0.03%	0.08%
30	8 U	-83.768	-83.428	-0.340	0.41%	1.10%
30	9 U	-83.221	-83.148	-0.074	0.09%	0.24%
30	10 U	-83.524	-83.312	-0.213	0.25%	0.69%
50	11	-83.540	-83.832	0.292	-0.35%	0.95%
50	12	-85.546	-85.386	-0.160	0.19%	0.52%
50	13	-83.709	-84.234	0.526	-0.63%	1.71%
50	14	-82.118	-82.593	0.475	-0.58%	1.54%
50	15	-81.531	-81.968	0.438	-0.54%	1.42%
50	16 U	-84.143	-83.962	-0.182	0.22%	0.59%
50	17 U	-85.467	-85.221	-0.247	0.29%	0.80%
50	18 U	-82.103	-82.430	0.327	-0.40%	1.06%
50	19 U	-84.355	-84.676	0.321	-0.38%	1.04%
50	20 U	-82.676	-86.670	3.994	-4.83%	12.97%
100	21	-87.768	-82.737	-5.030	5.73%	16.33%
100	22	-85.145	-85.655	0.510	-0.60%	1.66%
100	23	-82.716	-83.133	0.417	-0.50%	1.35%
100	24	-85.259	-84.914	-0.345	0.40%	1.12%
100	25	-84.531	-85.927	1.396	-1.65%	4.53%
100	26 U	-85.252	-84.767	-0.484	0.57%	1.57%
100	27 U	-81.473	-81.702	0.229	-0.28%	0.74%
100	28 U	-81.101	-81.034	-0.067	0.08%	0.22%
100	29 U	-84.106	-83.436	-0.670	0.80%	2.18%
100	30 U	-81.825	-81.392	-0.433	0.53%	1.41%
Max		-81.101	-81.034	3.994	5.73%	16.33%
Average		-83.814	-83.854	0.039	-0.06%	1.87%
Min		-87.768	-86.670	-5.030	-4.83%	0.08%
Std Dev		1.615	1.540	1.221	1.43%	3.48%



VDD=3.3V 2.58G IMD3 dBFs2

Test Site		
Tester		
Test Number		
Max Limit	-68.45587084	dB
Min Limit	-99.25161913	dB

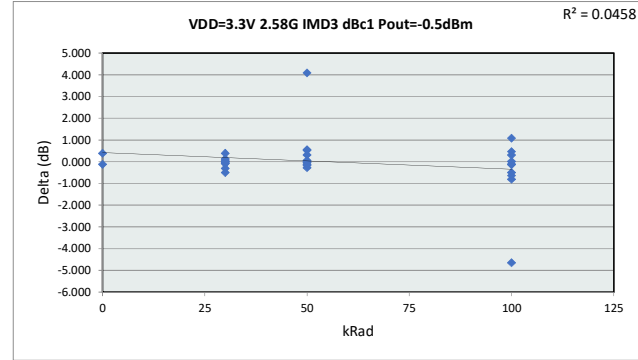
kRad	0	30	50	100
LL	-99.252	-99.252	-99.252	-99.252
Min	-85.449	-86.452	-86.670	-85.927
Average	-84.726	-83.820	-84.097	-83.470
Max	-84.003	-81.954	-81.968	-81.034
UL	-68.456	-68.456	-68.456	-68.456



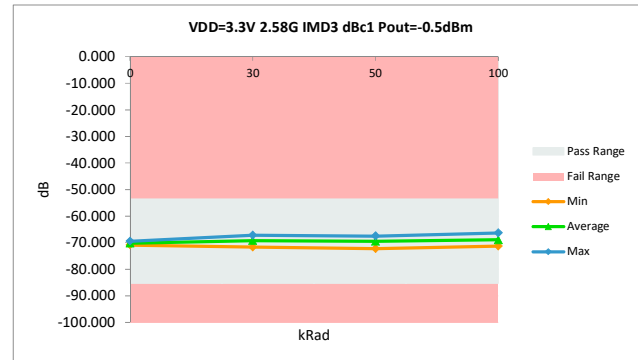
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G IMD3 dBc1 Pout=-0.5dBm		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-53.34285562	-53.34285562
Min Limit	-85.26074441	-85.26074441

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-70.558	-70.932	0.374	-0.53%	1.17%
0	C2	-69.575	-69.453	-0.122	0.18%	0.38%
30	1	-67.274	-67.189	-0.085	0.13%	0.27%
30	2	-68.548	-68.668	0.120	-0.17%	0.38%
30	3	-67.687	-67.675	-0.013	0.02%	0.04%
30	4	-71.739	-71.724	-0.016	0.02%	0.05%
30	5	-70.765	-71.147	0.382	-0.54%	1.20%
30	6 U	-71.222	-71.123	-0.099	0.14%	0.31%
30	7 U	-68.685	-68.755	0.070	-0.10%	0.22%
30	8 U	-69.406	-68.903	-0.503	0.72%	1.58%
30	9 U	-68.734	-68.419	-0.315	0.46%	0.99%
30	10 U	-68.849	-68.837	-0.012	0.02%	0.04%
50	11	-68.976	-69.497	0.520	-0.75%	1.63%
50	12	-70.870	-70.743	-0.127	0.18%	0.40%
50	13	-69.632	-69.626	-0.006	0.01%	0.02%
50	14	-67.627	-67.934	0.307	-0.45%	0.96%
50	15	-66.959	-67.508	0.549	-0.82%	1.72%
50	16 U	-69.634	-69.353	-0.281	0.40%	0.88%
50	17 U	-70.966	-70.931	-0.035	0.05%	0.11%
50	18 U	-67.568	-67.623	0.055	-0.08%	0.17%
50	19 U	-70.171	-70.004	-0.168	0.24%	0.52%
50	20 U	-68.182	-72.264	4.081	-5.99%	12.79%
100	21	-73.027	-68.372	-4.655	6.37%	14.58%
100	22	-70.879	-71.174	0.295	-0.42%	0.93%
100	23	-68.497	-68.955	0.458	-0.67%	1.43%
100	24	-70.646	-70.143	-0.502	0.71%	1.57%
100	25	-70.301	-71.375	1.074	-1.53%	3.37%
100	26 U	-70.601	-70.613	0.011	-0.02%	0.04%
100	27 U	-67.118	-67.003	-0.115	0.17%	0.36%
100	28 U	-66.485	-66.346	-0.139	0.21%	0.44%
100	29 U	-69.386	-68.737	-0.649	0.94%	2.03%
100	30 U	-67.453	-66.634	-0.818	1.21%	2.56%
	Max	-66.485	-66.346	4.081	6.37%	14.58%
	Average	-69.313	-69.302	-0.011	0.00%	1.66%
	Min	-73.027	-72.264	-4.655	-5.99%	0.02%
	Std Dev	1.587	1.596	1.173	1.66%	3.26%



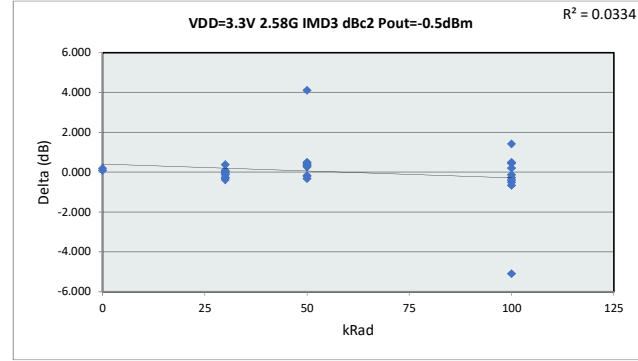
VDD=3.3V 2.58G IMD3 dBc1 Pout=-0.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-53.34285562			dB
Min Limit	-85.26074441			dB
kRad	0	30	50	100
LL	-85.261	-85.261	-85.261	-85.261
Min	-70.932	-71.724	-72.264	-71.375
Average	-70.192	-69.244	-69.548	-68.935
Max	-69.453	-67.189	-67.508	-66.346
UL	-53.343	-53.343	-53.343	-53.343



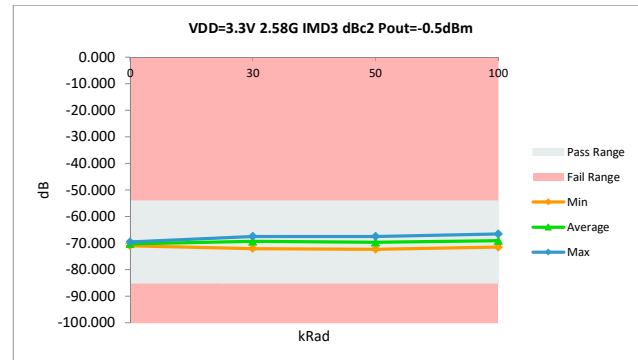
QMLP TID Report
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VDD=3.3V 2.58G IMD3 dBc2 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-53.897936	-53.897936
Min Limit	-85.02432381	-85.02432381

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-70.877	-71.066	0.189	-0.27%	0.61%
0	C2	-69.548	-69.627	0.079	-0.11%	0.25%
30	1	-67.414	-67.490	0.076	-0.11%	0.24%
30	2	-68.919	-68.798	-0.121	0.18%	0.39%
30	3	-67.955	-67.955	0.000	0.00%	0.00%
30	4	-71.711	-72.076	0.366	-0.51%	1.18%
30	5	-71.068	-71.005	-0.063	0.09%	0.20%
30	6 U	-71.734	-71.427	-0.307	0.43%	0.99%
30	7 U	-68.786	-68.792	0.006	-0.01%	0.02%
30	8 U	-69.410	-69.017	-0.393	0.57%	1.26%
30	9 U	-68.806	-68.675	-0.131	0.19%	0.42%
30	10 U	-69.217	-68.948	-0.269	0.39%	0.86%
50	11	-69.200	-69.511	0.312	-0.45%	1.00%
50	12	-71.166	-70.989	-0.176	0.25%	0.57%
50	13	-69.365	-69.854	0.489	-0.71%	1.57%
50	14	-67.692	-68.151	0.459	-0.68%	1.47%
50	15	-67.114	-67.501	0.387	-0.58%	1.24%
50	16 U	-69.815	-69.603	-0.212	0.30%	0.68%
50	17 U	-71.106	-70.775	-0.332	0.47%	1.07%
50	18 U	-67.733	-68.035	0.302	-0.45%	0.97%
50	19 U	-70.051	-70.300	0.250	-0.36%	0.80%
50	20 U	-68.228	-72.329	4.101	-6.01%	13.17%
100	21	-73.402	-68.299	-5.103	6.95%	16.40%
100	22	-70.772	-71.252	0.480	-0.68%	1.54%
100	23	-68.362	-68.796	0.434	-0.64%	1.39%
100	24	-70.887	-70.600	-0.287	0.41%	0.92%
100	25	-70.124	-71.530	1.406	-2.01%	4.52%
100	26 U	-70.894	-70.387	-0.507	0.71%	1.63%
100	27 U	-67.038	-67.236	0.198	-0.30%	0.64%
100	28 U	-66.749	-66.613	-0.137	0.20%	0.44%
100	29 U	-69.749	-69.081	-0.667	0.96%	2.14%
100	30 U	-67.444	-67.038	-0.406	0.60%	1.30%
	Max	-66.749	-66.613	4.101	6.95%	16.40%
	Average	-69.448	-69.461	0.013	-0.04%	1.87%
	Min	-73.402	-72.329	-5.103	-6.01%	0.00%
	Std Dev	1.628	1.556	1.242	1.75%	3.51%



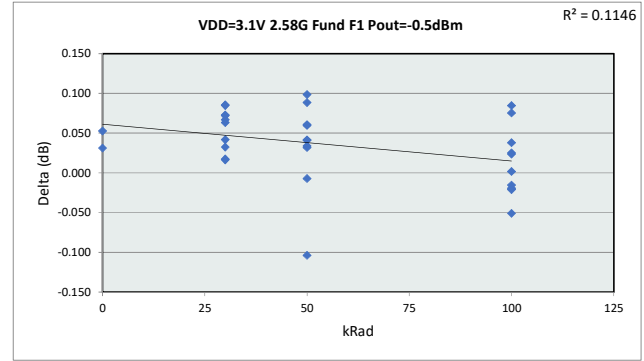
VDD=3.3V 2.58G IMD3 dBc2 Pout				
Test Site				
Tester				
Test Number				
Max Limit	-53.897936		dB	
Min Limit	-85.02432381		dB	
kRad	0	30	50	100
LL	-85.024	-85.024	-85.024	-85.024
Min	-71.066	-72.076	-72.329	-71.530
Average	-70.347	-69.418	-69.705	-69.083
Max	-69.627	-67.490	-67.501	-66.613
UL	-53.898	-53.898	-53.898	-53.898



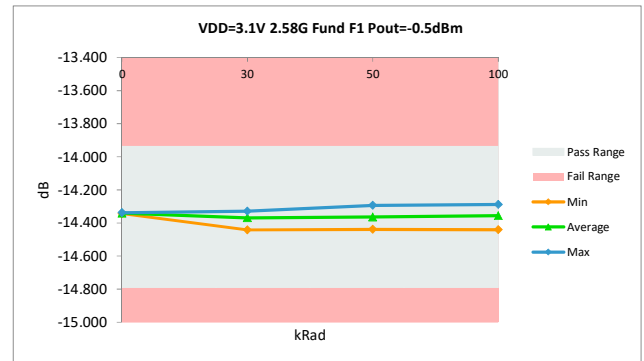
QMLP TID Report
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VDD=3.1V 2.58G Fund F1 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-13.93349178	-13.93349178
Min Limit	-14.79027788	-14.79027788

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.291	-14.343	0.053	-0.37%	6.16%
0	C2	-14.307	-14.338	0.031	-0.22%	3.65%
30	1	-14.366	-14.433	0.067	-0.47%	7.81%
30	2	-14.293	-14.379	0.086	-0.60%	9.98%
30	3	-14.299	-14.341	0.042	-0.29%	4.89%
30	4	-14.327	-14.344	0.016	-0.12%	1.93%
30	5	-14.349	-14.367	0.017	-0.12%	2.03%
30	6 U	-14.244	-14.329	0.085	-0.60%	9.90%
30	7 U	-14.310	-14.342	0.032	-0.23%	3.79%
30	8 U	-14.314	-14.378	0.063	-0.44%	7.40%
30	9 U	-14.369	-14.442	0.073	-0.51%	8.49%
30	10 U	-14.265	-14.337	0.072	-0.51%	8.41%
50	11	-14.301	-14.294	-0.007	0.05%	0.84%
50	12	-14.328	-14.362	0.034	-0.24%	3.97%
50	13	-14.300	-14.360	0.060	-0.42%	6.96%
50	14	-14.383	-14.415	0.032	-0.22%	3.73%
50	15	-14.378	-14.439	0.061	-0.42%	7.09%
50	16 U	-14.289	-14.330	0.041	-0.29%	4.83%
50	17 U	-14.317	-14.416	0.099	-0.69%	11.51%
50	18 U	-14.326	-14.367	0.041	-0.29%	4.79%
50	19 U	-14.259	-14.347	0.088	-0.62%	10.33%
50	20 U	-14.416	-14.312	-0.104	0.72%	12.13%
100	21	-14.328	-14.412	0.085	-0.59%	9.89%
100	22	-14.341	-14.365	0.024	-0.16%	2.76%
100	23	-14.324	-14.304	-0.019	0.13%	2.24%
100	24	-14.340	-14.289	-0.051	0.36%	5.96%
100	25	-14.376	-14.361	-0.015	0.11%	1.79%
100	26 U	-14.322	-14.347	0.025	-0.18%	2.95%
100	27 U	-14.403	-14.441	0.038	-0.26%	4.44%
100	28 U	-14.317	-14.393	0.075	-0.53%	8.80%
100	29 U	-14.322	-14.324	0.002	-0.01%	0.21%
100	30 U	-14.351	-14.330	-0.021	0.15%	2.45%
	Max	-14.244	-14.289	0.099	0.72%	12.13%
	Average	-14.327	-14.362	0.035	-0.25%	5.69%
	Min	-14.416	-14.442	-0.104	-0.69%	0.21%
	Std Dev	0.040	0.043	0.045	0.31%	3.31%



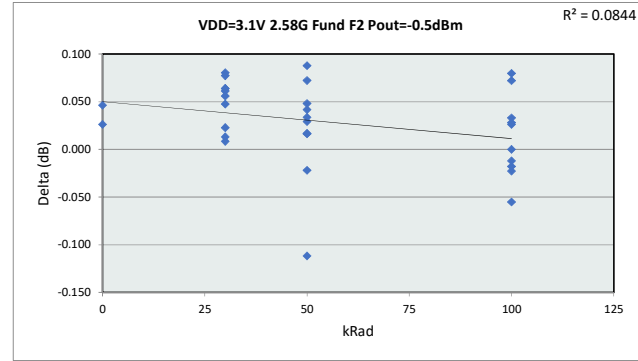
VDD=3.1V 2.58G Fund F1 Pout=-				
Test Site				
Tester				
Test Number				
Max Limit	-13.93349178		dB	
Min Limit	-14.79027788		dB	
kRad	0	30	50	100
LL	-14.790	-14.790	-14.790	-14.790
Min	-14.343	-14.442	-14.439	-14.441
Average	-14.341	-14.369	-14.364	-14.357
Max	-14.338	-14.329	-14.294	-14.289
UL	-13.933	-13.933	-13.933	-13.933



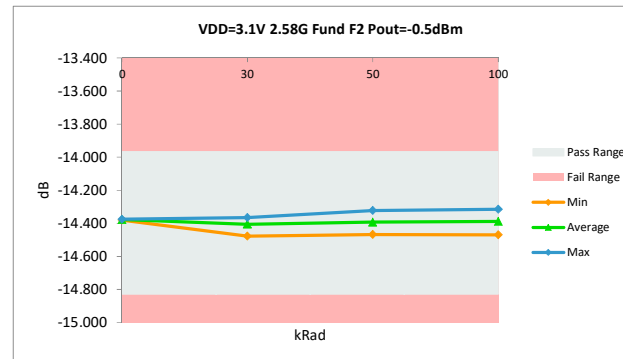
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G Fund F2 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-13.96207322	-13.96207322
Min Limit	-14.82699077	-14.82699077

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.334	-14.380	0.046	-0.32%	5.34%
0	C2	-14.349	-14.375	0.026	-0.18%	3.00%
30	1	-14.409	-14.470	0.061	-0.42%	7.05%
30	2	-14.337	-14.418	0.080	-0.56%	9.26%
30	3	-14.333	-14.381	0.047	-0.33%	5.48%
30	4	-14.369	-14.377	0.008	-0.06%	0.97%
30	5	-14.392	-14.405	0.013	-0.09%	1.50%
30	6 U	-14.289	-14.366	0.077	-0.54%	8.91%
30	7 U	-14.354	-14.377	0.023	-0.16%	2.61%
30	8 U	-14.357	-14.413	0.056	-0.39%	6.44%
30	9 U	-14.414	-14.478	0.064	-0.44%	7.37%
30	10 U	-14.305	-14.368	0.064	-0.44%	7.36%
50	11	-14.345	-14.323	-0.022	0.15%	2.57%
50	12	-14.377	-14.393	0.016	-0.11%	1.91%
50	13	-14.343	-14.384	0.041	-0.29%	4.79%
50	14	-14.427	-14.443	0.016	-0.11%	1.87%
50	15	-14.420	-14.468	0.048	-0.33%	5.55%
50	16 U	-14.331	-14.365	0.033	-0.23%	3.86%
50	17 U	-14.360	-14.447	0.088	-0.61%	10.12%
50	18 U	-14.370	-14.399	0.029	-0.20%	3.35%
50	19 U	-14.302	-14.374	0.072	-0.50%	8.33%
50	20 U	-14.451	-14.339	-0.112	0.77%	12.94%
100	21	-14.361	-14.440	0.079	-0.55%	9.19%
100	22	-14.374	-14.401	0.028	-0.19%	3.21%
100	23	-14.355	-14.337	-0.018	0.13%	2.10%
100	24	-14.371	-14.315	-0.055	0.39%	6.41%
100	25	-14.409	-14.397	-0.012	0.09%	1.42%
100	26 U	-14.356	-14.382	0.026	-0.18%	3.00%
100	27 U	-14.437	-14.470	0.033	-0.23%	3.79%
100	28 U	-14.354	-14.425	0.072	-0.50%	8.31%
100	29 U	-14.356	-14.356	0.000	0.00%	0.03%
100	30 U	-14.382	-14.360	-0.023	0.16%	2.66%
	Max	-14.289	-14.315	0.088	0.77%	12.94%
	Average	-14.366	-14.395	0.028	-0.20%	5.02%
	Min	-14.451	-14.478	-0.112	-0.61%	0.03%
	Std Dev	0.039	0.043	0.043	0.30%	3.16%



VDD=3.1V 2.58G Fund F2 Pout=-				
Test Site				
Tester				
Test Number				
Max Limit	-13.96207322		dB	
Min Limit	-14.82699077		dB	
kRad	0	30	50	100
LL	-14.827	-14.827	-14.827	-14.827
Min	-14.380	-14.478	-14.468	-14.470
Average	-14.378	-14.405	-14.394	-14.388
Max	-14.375	-14.366	-14.323	-14.315
UL	-13.962	-13.962	-13.962	-13.962

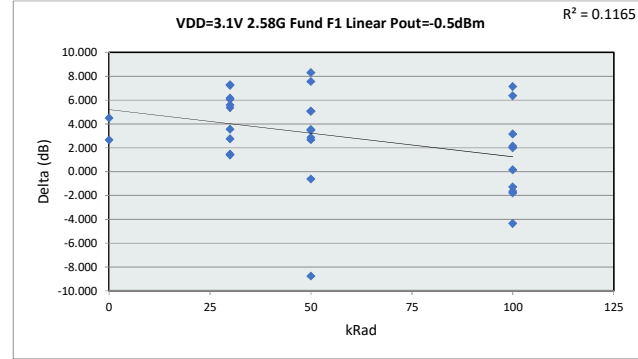


QMLP TID Report
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VDD=3.1V 2.58G Fund F1 Linea

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	402.3503311	402.3503311
Min Limit	330.2412922	330.2412922

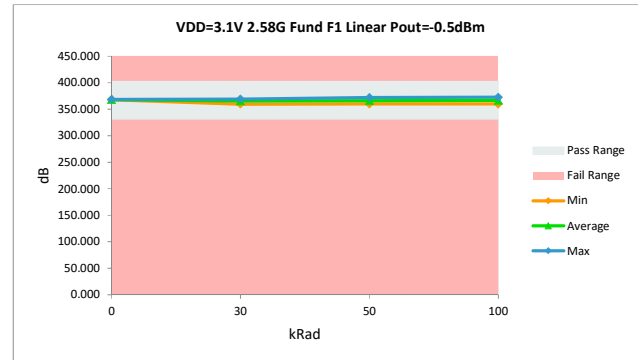
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	372.345	367.845	4.500	1.21%	6.24%
0	C2	370.960	368.295	2.665	0.72%	3.70%
30	1	365.910	360.317	5.593	1.53%	7.76%
30	2	372.100	364.844	7.256	1.95%	10.06%
30	3	371.619	368.055	3.565	0.96%	4.94%
30	4	369.221	367.821	1.400	0.38%	1.94%
30	5	367.341	365.874	1.467	0.40%	2.03%
30	6 U	376.314	369.032	7.281	1.93%	10.10%
30	7 U	370.706	367.947	2.759	0.74%	3.83%
30	8 U	370.319	364.954	5.366	1.45%	7.44%
30	9 U	365.648	359.577	6.070	1.66%	8.42%
30	10 U	374.558	368.393	6.165	1.65%	8.55%
50	11	371.471	372.086	-0.616	-0.17%	0.85%
50	12	369.123	366.246	2.876	0.78%	3.99%
50	13	371.548	366.479	5.069	1.36%	7.03%
50	14	364.534	361.862	2.672	0.73%	3.71%
50	15	364.921	359.850	5.071	1.39%	7.03%
50	16 U	372.500	368.965	3.535	0.95%	4.90%
50	17 U	370.087	361.777	8.310	2.25%	11.52%
50	18 U	369.285	365.810	3.476	0.94%	4.82%
50	19 U	375.090	367.526	7.564	2.02%	10.49%
50	20 U	361.717	370.477	-8.760	-2.42%	12.15%
100	21	369.186	362.054	7.132	1.93%	9.89%
100	22	368.028	366.029	1.999	0.54%	2.77%
100	23	369.527	371.164	-1.636	-0.44%	2.27%
100	24	368.142	372.493	-4.351	-1.18%	6.03%
100	25	365.081	366.372	-1.290	-0.35%	1.79%
100	26 U	369.679	367.533	2.145	0.58%	2.98%
100	27 U	362.808	359.646	3.162	0.87%	4.39%
100	28 U	370.057	363.690	6.367	1.72%	8.83%
100	29 U	369.649	369.494	0.154	0.04%	0.21%
100	30 U	367.180	368.957	-1.777	-0.48%	2.46%
	Max	376.314	372.493	8.310	2.25%	12.15%
	Average	369.270	366.296	2.975	0.80%	5.72%
	Min	361.717	359.577	-8.760	-2.42%	0.21%
	Std Dev	3.387	3.605	3.769	1.02%	3.33%



VDD=3.1V 2.58G Fund F1 Line

Test Site		
Tester		
Test Number		
Max Limit	402.3503311	dB
Min Limit	330.2412922	dB

kRad	0	30	50	100
LL	330.241	330.241	330.241	330.241
Min	367.845	359.577	359.850	359.646
Average	368.070	365.681	366.108	366.743
Max	368.295	369.032	372.086	372.493
UL	402.350	402.350	402.350	402.350

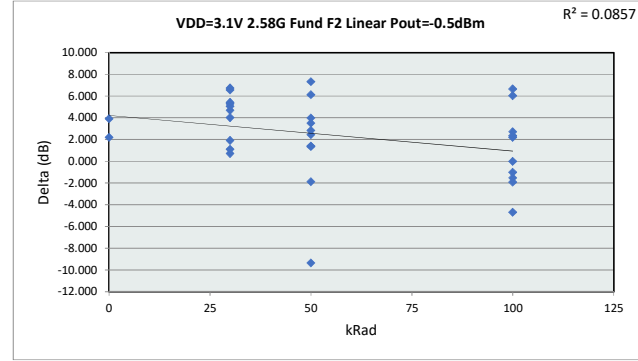


QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G Fund F2 Linea

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	399.6972203	399.6972203
Min Limit	327.4086242	327.4086242

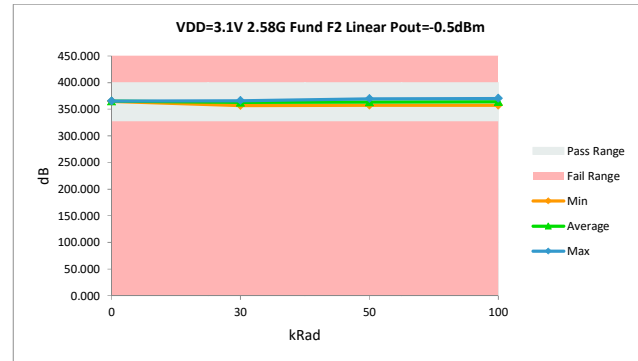
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	368.657	364.760	3.897	1.06%	5.39%
0	C2	367.335	365.144	2.191	0.60%	3.03%
30	1	362.356	357.307	5.049	1.39%	6.98%
30	2	368.348	361.614	6.734	1.83%	9.31%
30	3	368.705	364.705	4.000	1.08%	5.53%
30	4	365.677	364.975	0.702	0.19%	0.97%
30	5	363.746	362.664	1.082	0.30%	1.50%
30	6 U	372.507	365.957	6.550	1.76%	9.06%
30	7 U	366.950	365.047	1.903	0.52%	2.63%
30	8 U	366.694	362.020	4.675	1.27%	6.47%
30	9 U	361.918	356.648	5.270	1.46%	7.29%
30	10 U	371.124	365.725	5.398	1.45%	7.47%
50	11	367.721	369.608	-1.887	-0.51%	2.61%
50	12	365.042	363.659	1.383	0.38%	1.91%
50	13	367.892	364.402	3.490	0.95%	4.83%
50	14	360.827	359.489	1.338	0.37%	1.85%
50	15	361.406	357.433	3.973	1.10%	5.50%
50	16 U	368.872	366.050	2.822	0.76%	3.90%
50	17 U	366.458	359.147	7.312	2.00%	10.11%
50	18 U	365.577	363.145	2.431	0.67%	3.36%
50	19 U	371.349	365.240	6.109	1.65%	8.45%
50	20 U	358.807	368.172	-9.365	-2.61%	12.95%
100	21	366.350	359.709	6.640	1.81%	9.19%
100	22	365.287	362.962	2.325	0.64%	3.22%
100	23	366.878	368.413	-1.535	-0.42%	2.12%
100	24	365.522	370.219	-4.697	-1.28%	6.50%
100	25	362.328	363.356	-1.028	-0.28%	1.42%
100	26 U	366.804	364.623	2.181	0.59%	3.02%
100	27 U	359.961	357.256	2.705	0.75%	3.74%
100	28 U	366.979	360.953	6.026	1.64%	8.34%
100	29 U	366.795	366.814	-0.018	-0.01%	0.03%
100	30 U	364.544	366.477	-1.933	-0.53%	2.67%
Max		372.507	370.219	7.312	2.00%	12.95%
Average		365.919	363.553	2.366	0.64%	5.04%
Min		358.807	356.648	-9.365	-2.61%	0.03%
Std Dev		3.247	3.614	3.634	1.00%	3.17%



VDD=3.1V 2.58G Fund F2 Line

Test Site		
Tester		
Test Number		
Max Limit	399.6972203	dB
Min Limit	327.4086242	dB

kRad	0	30	50	100
LL	327.409	327.409	327.409	327.409
Min	364.760	356.648	357.433	357.256
Average	364.952	362.666	363.634	364.078
Max	365.144	365.957	369.608	370.219
UL	399.697	399.697	399.697	399.697

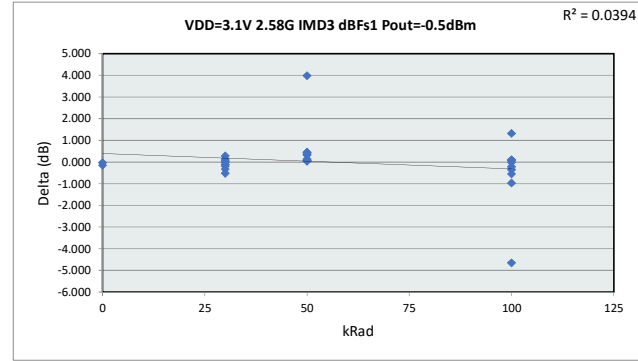


QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G IMD3 dBFs1 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-67.68323713	-67.68323713
Min Limit	-97.31540722	-97.31540722

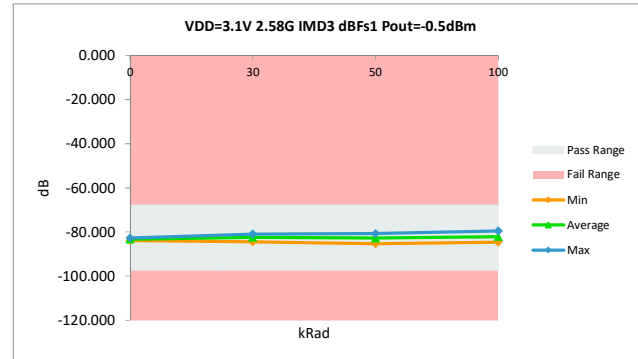
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-84.017	-83.868	-0.149	0.18%	0.50%
0	C2	-82.796	-82.764	-0.032	0.04%	0.11%
30	1	-80.905	-80.932	0.027	-0.03%	0.09%
30	2	-81.736	-82.014	0.277	-0.34%	0.94%
30	3	-80.928	-80.980	0.052	-0.06%	0.18%
30	4	-84.988	-84.468	-0.520	0.61%	1.75%
30	5	-83.932	-83.821	-0.111	0.13%	0.38%
30	6 U	-84.211	-84.343	0.132	-0.16%	0.45%
30	7 U	-81.927	-81.914	-0.014	0.02%	0.05%
30	8 U	-82.555	-82.223	-0.332	0.40%	1.12%
30	9 U	-81.970	-81.772	-0.198	0.24%	0.67%
30	10 U	-81.887	-81.760	-0.127	0.16%	0.43%
50	11	-82.237	-82.288	0.051	-0.06%	0.17%
50	12	-83.614	-84.065	0.451	-0.54%	1.52%
50	13	-82.710	-82.788	0.078	-0.09%	0.26%
50	14	-80.880	-81.204	0.324	-0.40%	1.09%
50	15	-80.340	-80.789	0.450	-0.56%	1.52%
50	16 U	-82.847	-82.977	0.130	-0.16%	0.44%
50	17 U	-83.919	-84.287	0.368	-0.44%	1.24%
50	18 U	-80.928	-81.011	0.083	-0.10%	0.28%
50	19 U	-82.945	-82.988	0.044	-0.05%	0.15%
50	20 U	-81.363	-85.344	3.981	-4.89%	13.43%
100	21	-86.002	-81.350	-4.652	5.41%	15.70%
100	22	-84.208	-84.315	0.107	-0.13%	0.36%
100	23	-82.043	-82.104	0.061	-0.07%	0.20%
100	24	-84.080	-83.112	-0.968	1.15%	3.27%
100	25	-83.250	-84.570	1.320	-1.59%	4.46%
100	26 U	-83.868	-83.654	-0.214	0.25%	0.72%
100	27 U	-80.118	-80.206	0.089	-0.11%	0.30%
100	28 U	-79.585	-79.562	-0.024	0.03%	0.08%
100	29 U	-82.522	-82.167	-0.356	0.43%	1.20%
100	30 U	-80.886	-80.339	-0.548	0.68%	1.85%
	Max	-79.585	-79.562	3.981	5.41%	15.70%
	Average	-82.506	-82.499	-0.007	0.00%	1.72%
	Min	-86.002	-85.344	-4.652	-4.89%	0.05%
	Std Dev	1.524	1.482	1.163	1.39%	3.52%



VDD=3.1V 2.58G IMD3 dBFs1

Test Site	
Tester	
Test Number	
Max Limit	-67.68323713 dB
Min Limit	-97.31540722 dB

kRad	0	30	50	100
LL	-97.315	-97.315	-97.315	-97.315
Min	-83.868	-84.468	-85.344	-84.570
Average	-83.316	-82.423	-82.774	-82.138
Max	-82.764	-80.932	-80.789	-79.562
UL	-67.683	-67.683	-67.683	-67.683

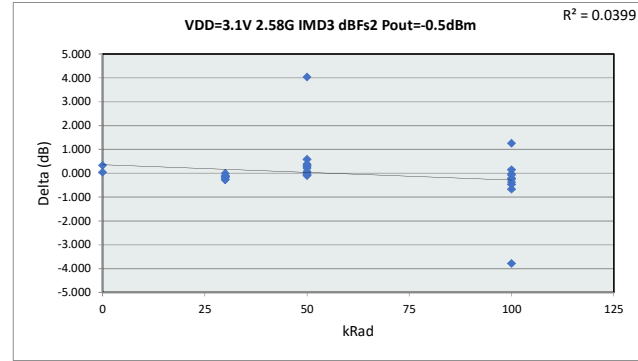


QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G IMD3 dBFs2 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-68.6054072	-68.6054072
Min Limit	-96.8726478	-96.8726478

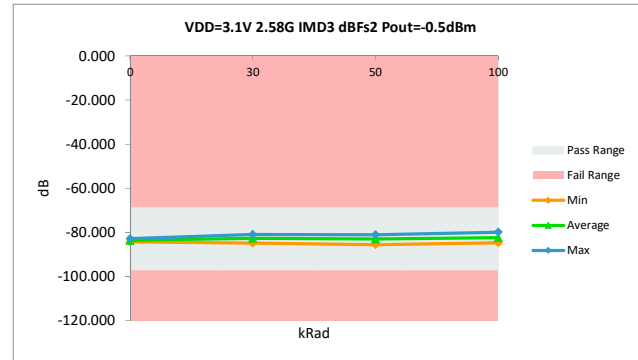
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-84.005	-84.331	0.326	-0.39%	1.15%
0	C2	-82.848	-82.879	0.031	-0.04%	0.11%
30	1	-81.107	-80.972	-0.136	0.17%	0.48%
30	2	-82.199	-82.076	-0.123	0.15%	0.44%
30	3	-81.458	-81.318	-0.140	0.17%	0.49%
30	4	-85.078	-84.941	-0.137	0.16%	0.48%
30	5	-84.030	-83.908	-0.122	0.14%	0.43%
30	6 U	-84.490	-84.207	-0.282	0.33%	1.00%
30	7 U	-82.360	-82.346	-0.014	0.02%	0.05%
30	8 U	-82.892	-82.617	-0.275	0.33%	0.97%
30	9 U	-82.215	-82.032	-0.183	0.22%	0.65%
30	10 U	-82.307	-82.110	-0.197	0.24%	0.70%
50	11	-82.417	-82.736	0.320	-0.39%	1.13%
50	12	-84.044	-84.106	0.062	-0.07%	0.22%
50	13	-82.955	-83.158	0.203	-0.25%	0.72%
50	14	-81.089	-81.348	0.259	-0.32%	0.92%
50	15	-80.567	-81.141	0.574	-0.71%	2.03%
50	16 U	-83.089	-83.019	-0.069	0.08%	0.25%
50	17 U	-84.022	-83.919	-0.103	0.12%	0.37%
50	18 U	-81.175	-81.550	0.375	-0.46%	1.33%
50	19 U	-83.301	-83.305	0.004	-0.01%	0.01%
50	20 U	-81.607	-85.634	4.027	-4.93%	14.25%
100	21	-85.746	-81.954	-3.792	4.42%	13.41%
100	22	-84.240	-84.159	-0.081	0.10%	0.29%
100	23	-82.311	-82.271	-0.041	0.05%	0.14%
100	24	-84.210	-83.735	-0.475	0.56%	1.68%
100	25	-83.487	-84.735	1.249	-1.50%	4.42%
100	26 U	-83.908	-83.656	-0.252	0.30%	0.89%
100	27 U	-80.477	-80.614	0.137	-0.17%	0.49%
100	28 U	-80.111	-79.887	-0.224	0.28%	0.79%
100	29 U	-82.822	-82.441	-0.381	0.46%	1.35%
100	30 U	-81.215	-80.542	-0.673	0.83%	2.38%
Max		-80.111	-79.887	4.027	4.42%	14.25%
Average		-82.743	-82.739	-0.004	0.00%	1.69%
Min		-85.746	-85.634	-3.792	-4.93%	0.01%
Std Dev		1.415	1.413	1.051	1.26%	3.30%



VDD=3.1V 2.58G IMD3 dBFs2

Test Site		
Tester		
Test Number		
Max Limit	-68.6054072	dB
Min Limit	-96.8726478	dB

kRad	0	30	50	100
LL	-96.873	-96.873	-96.873	-96.873
Min	-84.331	-84.941	-85.634	-84.735
Average	-83.605	-82.653	-82.992	-82.399
Max	-82.879	-80.972	-81.141	-79.887
UL	-68.605	-68.605	-68.605	-68.605

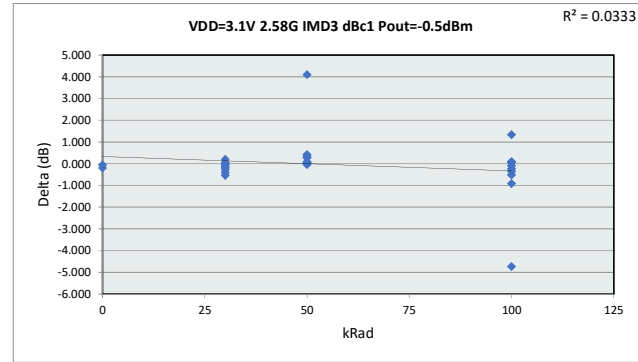


QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G IMD3 dBc1 Po

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-53.14459205	-53.14459205
Min Limit	-83.13028216	-83.13028216

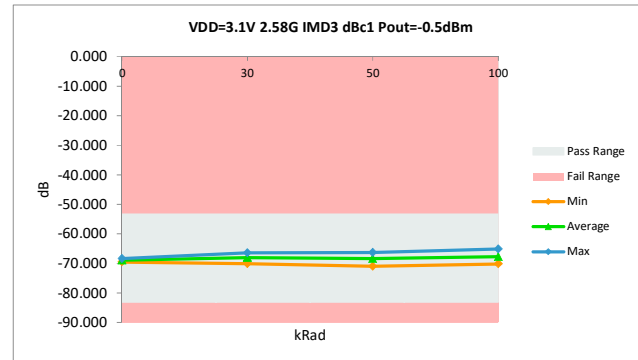
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-69.726	-69.525	-0.202	0.29%	0.67%
0	C2	-68.489	-68.426	-0.063	0.09%	0.21%
30	1	-66.539	-66.499	-0.040	0.06%	0.13%
30	2	-67.443	-67.635	0.192	-0.28%	0.64%
30	3	-66.629	-66.639	0.010	-0.02%	0.03%
30	4	-70.661	-70.124	-0.536	0.76%	1.79%
30	5	-69.583	-69.454	-0.129	0.19%	0.43%
30	6 U	-69.967	-70.014	0.047	-0.07%	0.16%
30	7 U	-67.618	-67.571	-0.046	0.07%	0.15%
30	8 U	-68.241	-67.845	-0.396	0.58%	1.32%
30	9 U	-67.601	-67.330	-0.271	0.40%	0.90%
30	10 U	-67.622	-67.423	-0.200	0.30%	0.67%
50	11	-67.936	-67.995	0.059	-0.09%	0.20%
50	12	-69.286	-69.703	0.417	-0.60%	1.39%
50	13	-68.411	-68.429	0.018	-0.03%	0.06%
50	14	-66.498	-66.789	0.292	-0.44%	0.97%
50	15	-65.962	-66.351	0.389	-0.59%	1.30%
50	16 U	-68.558	-68.647	0.089	-0.13%	0.30%
50	17 U	-69.602	-69.871	0.269	-0.39%	0.90%
50	18 U	-66.602	-66.643	0.042	-0.06%	0.14%
50	19 U	-68.686	-68.641	-0.045	0.07%	0.15%
50	20 U	-66.947	-71.031	4.085	-6.10%	13.62%
100	21	-71.674	-66.937	-4.737	6.61%	15.80%
100	22	-69.867	-69.950	0.083	-0.12%	0.28%
100	23	-67.720	-67.800	0.080	-0.12%	0.27%
100	24	-69.740	-68.823	-0.917	1.31%	3.06%
100	25	-68.873	-70.209	1.336	-1.94%	4.45%
100	26 U	-69.546	-69.307	-0.239	0.34%	0.80%
100	27 U	-65.715	-65.765	0.051	-0.08%	0.17%
100	28 U	-65.268	-65.169	-0.099	0.15%	0.33%
100	29 U	-68.200	-67.843	-0.357	0.52%	1.19%
100	30 U	-66.535	-66.008	-0.527	0.79%	1.76%
	Max	-65.268	-65.169	4.085	6.61%	15.80%
	Average	-68.179	-68.137	-0.042	0.05%	1.69%
	Min	-71.674	-71.031	-4.737	-6.10%	0.03%
	Std Dev	1.537	1.499	1.182	1.70%	3.55%



VDD=3.1V 2.58G IMD3 dBc1 P

Test Site	
Tester	
Test Number	
Max Limit	-53.14459205 dB
Min Limit	-83.13028216 dB

kRad	0	30	50	100
LL	-83.130	-83.130	-83.130	-83.130
Min	-69.525	-70.124	-71.031	-70.209
Average	-68.975	-68.053	-68.410	-67.781
Max	-68.426	-66.499	-66.351	-65.169
UL	-53.145	-53.145	-53.145	-53.145

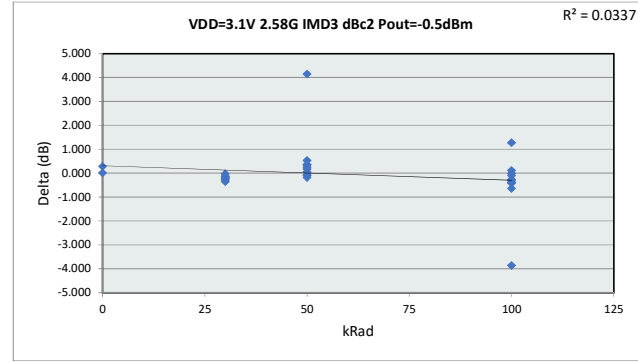


QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G IMD3 dBc2 Po

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-54.01854001	-54.01854001
Min Limit	-82.67045153	-82.67045153

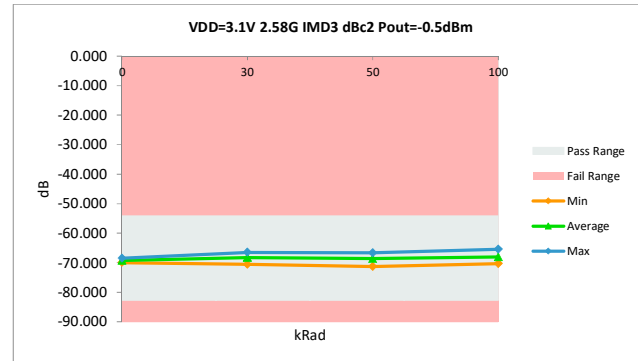
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-69.672	-69.951	0.280	-0.40%	0.98%
0	C2	-68.499	-68.504	0.005	-0.01%	0.02%
30	1	-66.699	-66.502	-0.197	0.29%	0.69%
30	2	-67.862	-67.658	-0.203	0.30%	0.71%
30	3	-67.125	-66.937	-0.187	0.28%	0.65%
30	4	-70.709	-70.564	-0.145	0.20%	0.51%
30	5	-69.638	-69.503	-0.135	0.19%	0.47%
30	6 U	-70.201	-69.842	-0.359	0.51%	1.25%
30	7 U	-68.006	-67.969	-0.037	0.05%	0.13%
30	8 U	-68.535	-68.204	-0.330	0.48%	1.15%
30	9 U	-67.801	-67.554	-0.246	0.36%	0.86%
30	10 U	-68.002	-67.742	-0.260	0.38%	0.91%
50	11	-68.072	-68.414	0.342	-0.50%	1.19%
50	12	-69.668	-69.713	0.045	-0.07%	0.16%
50	13	-68.612	-68.774	0.162	-0.24%	0.56%
50	14	-66.662	-66.905	0.243	-0.36%	0.85%
50	15	-66.147	-66.673	0.526	-0.80%	1.84%
50	16 U	-68.758	-68.655	-0.103	0.15%	0.36%
50	17 U	-69.662	-69.471	-0.191	0.27%	0.67%
50	18 U	-66.805	-67.151	0.346	-0.52%	1.21%
50	19 U	-68.998	-68.931	-0.068	0.10%	0.24%
50	20 U	-67.155	-71.294	4.139	-6.16%	14.45%
100	21	-71.385	-67.513	-3.871	5.42%	13.51%
100	22	-69.867	-69.758	-0.109	0.16%	0.38%
100	23	-67.956	-67.934	-0.022	0.03%	0.08%
100	24	-69.839	-69.420	-0.420	0.60%	1.46%
100	25	-69.078	-70.339	1.261	-1.83%	4.40%
100	26 U	-69.552	-69.275	-0.278	0.40%	0.97%
100	27 U	-66.039	-66.144	0.104	-0.16%	0.36%
100	28 U	-65.757	-65.462	-0.295	0.45%	1.03%
100	29 U	-68.466	-68.085	-0.381	0.56%	1.33%
100	30 U	-66.833	-66.183	-0.650	0.97%	2.27%
	Max	-65.757	-65.462	4.139	5.42%	14.45%
	Average	-68.377	-68.344	-0.032	0.04%	1.74%
	Min	-71.385	-71.294	-3.871	-6.16%	0.02%
	Std Dev	1.430	1.433	1.076	1.56%	3.31%



VDD=3.1V 2.58G IMD3 dBc2 P

Test Site		
Tester		
Test Number		
Max Limit	-54.01854001	dB
Min Limit	-82.67045153	dB

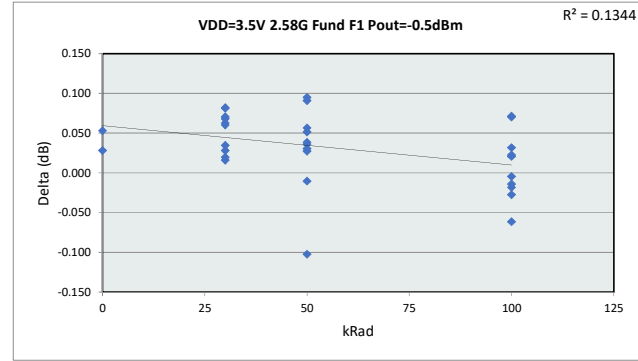
kRad	0	30	50	100
LL	-82.670	-82.670	-82.670	-82.670
Min	-69.951	-70.564	-71.294	-70.339
Average	-69.228	-68.248	-68.598	-68.011
Max	-68.504	-66.502	-66.673	-65.462
UL	-54.019	-54.019	-54.019	-54.019



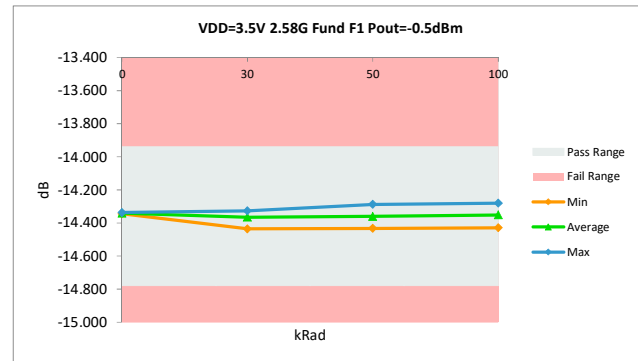
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G Fund F1 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-13.93751733	-13.93751733
Min Limit	-14.77869727	-14.77869727

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.291	-14.344	0.053	-0.37%	6.30%
0	C2	-14.309	-14.337	0.028	-0.20%	3.33%
30	1	-14.363	-14.426	0.063	-0.44%	7.45%
30	2	-14.294	-14.376	0.082	-0.57%	9.74%
30	3	-14.302	-14.337	0.035	-0.24%	4.12%
30	4	-14.325	-14.341	0.016	-0.11%	1.90%
30	5	-14.348	-14.368	0.020	-0.14%	2.35%
30	6 U	-14.245	-14.327	0.081	-0.57%	9.69%
30	7 U	-14.311	-14.339	0.028	-0.20%	3.33%
30	8 U	-14.312	-14.372	0.060	-0.42%	7.17%
30	9 U	-14.368	-14.436	0.068	-0.47%	8.07%
30	10 U	-14.263	-14.333	0.071	-0.49%	8.38%
50	11	-14.298	-14.288	-0.010	0.07%	1.24%
50	12	-14.336	-14.366	0.031	-0.21%	3.63%
50	13	-14.303	-14.354	0.052	-0.36%	6.13%
50	14	-14.383	-14.410	0.027	-0.19%	3.24%
50	15	-14.376	-14.432	0.057	-0.39%	6.74%
50	16 U	-14.285	-14.321	0.036	-0.25%	4.28%
50	17 U	-14.317	-14.412	0.095	-0.66%	11.30%
50	18 U	-14.324	-14.362	0.038	-0.27%	4.57%
50	19 U	-14.259	-14.350	0.091	-0.64%	10.81%
50	20 U	-14.413	-14.311	-0.102	0.71%	12.18%
100	21	-14.333	-14.404	0.071	-0.50%	8.49%
100	22	-14.342	-14.364	0.023	-0.16%	2.69%
100	23	-14.322	-14.304	-0.018	0.13%	2.18%
100	24	-14.342	-14.280	-0.062	0.43%	7.33%
100	25	-14.378	-14.364	-0.014	0.10%	1.64%
100	26 U	-14.323	-14.344	0.021	-0.14%	2.44%
100	27 U	-14.398	-14.430	0.032	-0.22%	3.76%
100	28 U	-14.317	-14.388	0.070	-0.49%	8.36%
100	29 U	-14.322	-14.317	-0.005	0.03%	0.55%
100	30 U	-14.349	-14.321	-0.027	0.19%	3.26%
	Max	-14.245	-14.280	0.095	0.71%	12.18%
	Average	-14.327	-14.358	0.032	-0.22%	5.52%
	Min	-14.413	-14.436	-0.102	-0.66%	0.55%
	Std Dev	0.039	0.042	0.044	0.31%	3.24%



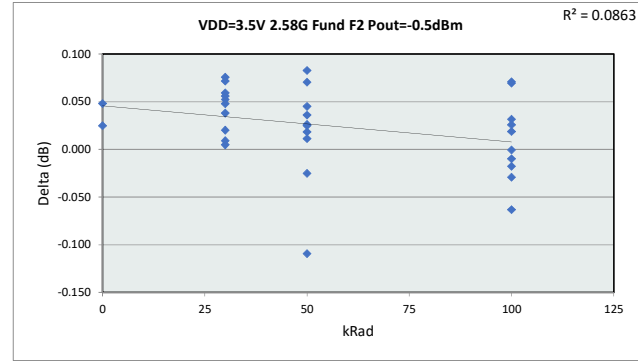
VDD=3.5V 2.58G Fund F1 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-13.93751733		dB	
Min Limit	-14.77869727		dB	
kRad	0	30	50	100
LL	-14.779	-14.779	-14.779	-14.779
Min	-14.344	-14.436	-14.432	-14.430
Average	-14.341	-14.366	-14.361	-14.352
Max	-14.337	-14.327	-14.288	-14.280
UL	-13.938	-13.938	-13.938	-13.938



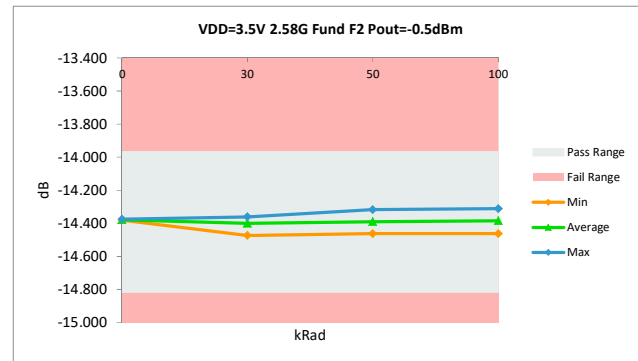
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G Fund F2 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-13.96380607	-13.96380607
Min Limit	-14.8175145	-14.8175145

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.333	-14.381	0.048	-0.33%	5.61%
0	C2	-14.351	-14.376	0.025	-0.17%	2.88%
30	1	-14.409	-14.461	0.052	-0.36%	6.10%
30	2	-14.334	-14.410	0.075	-0.53%	8.84%
30	3	-14.336	-14.374	0.038	-0.26%	4.42%
30	4	-14.372	-14.376	0.005	-0.03%	0.55%
30	5	-14.395	-14.403	0.009	-0.06%	1.03%
30	6 U	-14.289	-14.361	0.072	-0.50%	8.38%
30	7 U	-14.354	-14.374	0.020	-0.14%	2.33%
30	8 U	-14.358	-14.406	0.048	-0.33%	5.59%
30	9 U	-14.414	-14.473	0.059	-0.41%	6.91%
30	10 U	-14.309	-14.364	0.056	-0.39%	6.53%
50	11	-14.343	-14.317	-0.025	0.18%	2.96%
50	12	-14.379	-14.397	0.018	-0.13%	2.12%
50	13	-14.344	-14.380	0.036	-0.25%	4.19%
50	14	-14.427	-14.438	0.011	-0.08%	1.30%
50	15	-14.418	-14.463	0.045	-0.31%	5.26%
50	16 U	-14.328	-14.354	0.026	-0.18%	3.05%
50	17 U	-14.361	-14.444	0.083	-0.57%	9.67%
50	18 U	-14.368	-14.393	0.025	-0.17%	2.89%
50	19 U	-14.305	-14.375	0.070	-0.49%	8.23%
50	20 U	-14.447	-14.338	-0.109	0.76%	12.82%
100	21	-14.367	-14.438	0.071	-0.49%	8.27%
100	22	-14.373	-14.398	0.026	-0.18%	3.00%
100	23	-14.353	-14.335	-0.018	0.13%	2.11%
100	24	-14.375	-14.312	-0.063	0.44%	7.43%
100	25	-14.408	-14.398	-0.010	0.07%	1.17%
100	26 U	-14.355	-14.374	0.018	-0.13%	2.16%
100	27 U	-14.432	-14.463	0.031	-0.22%	3.69%
100	28 U	-14.351	-14.420	0.069	-0.48%	8.11%
100	29 U	-14.353	-14.352	-0.001	0.00%	0.08%
100	30 U	-14.382	-14.352	-0.029	0.20%	3.45%
	Max	-14.289	-14.312	0.083	0.76%	12.82%
	Average	-14.366	-14.391	0.024	-0.17%	4.72%
	Min	-14.447	-14.473	-0.109	-0.57%	0.08%
	Std Dev	0.038	0.043	0.042	0.29%	3.10%



VDD=3.5V 2.58G Fund F2 Pout=-				
Test Site				
Tester				
Test Number				
Max Limit	-13.96380607		dB	
Min Limit	-14.8175145		dB	
kRad	0	30	50	100
LL	-14.818	-14.818	-14.818	-14.818
Min	-14.381	-14.473	-14.463	-14.463
Average	-14.378	-14.400	-14.390	-14.384
Max	-14.376	-14.361	-14.317	-14.312
UL	-13.964	-13.964	-13.964	-13.964

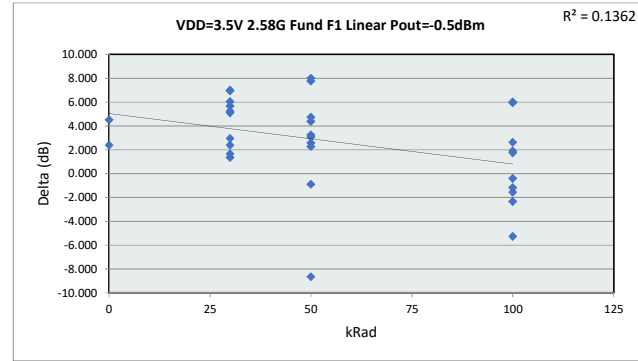


QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G Fund F1 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	402.0704188	402.0704188
Min Limit	331.1574769	331.1574769

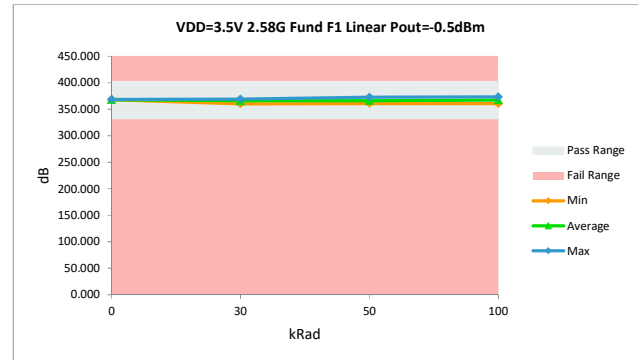
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	372.296	367.779	4.517	1.21%	6.37%
0	C2	370.732	368.349	2.383	0.64%	3.36%
30	1	366.187	360.941	5.246	1.43%	7.40%
30	2	372.039	365.090	6.950	1.87%	9.80%
30	3	371.336	368.384	2.953	0.80%	4.16%
30	4	369.364	368.009	1.355	0.37%	1.91%
30	5	367.409	365.743	1.666	0.45%	2.35%
30	6 U	376.240	369.247	6.993	1.86%	9.86%
30	7 U	370.568	368.185	2.382	0.64%	3.36%
30	8 U	370.536	365.424	5.111	1.38%	7.21%
30	9 U	365.736	360.065	5.671	1.55%	8.00%
30	10 U	374.721	368.685	6.037	1.61%	8.51%
50	11	371.687	372.582	-0.895	-0.24%	1.26%
50	12	368.500	365.920	2.580	0.70%	3.64%
50	13	371.310	366.925	4.385	1.18%	6.18%
50	14	364.543	362.262	2.281	0.63%	3.22%
50	15	365.124	360.392	4.732	1.30%	6.67%
50	16 U	372.842	369.763	3.078	0.83%	4.34%
50	17 U	370.099	362.086	8.013	2.17%	11.30%
50	18 U	369.489	366.234	3.255	0.88%	4.59%
50	19 U	375.018	367.247	7.772	2.07%	10.96%
50	20 U	361.979	370.622	-8.643	-2.39%	12.19%
100	21	368.754	362.737	6.016	1.63%	8.48%
100	22	367.989	366.078	1.911	0.52%	2.69%
100	23	369.671	371.234	-1.563	-0.42%	2.20%
100	24	367.966	373.227	-5.262	-1.43%	7.42%
100	25	364.962	366.126	-1.165	-0.32%	1.64%
100	26 U	369.564	367.822	1.742	0.47%	2.46%
100	27 U	363.225	360.592	2.633	0.72%	3.71%
100	28 U	370.055	364.114	5.941	1.61%	8.38%
100	29 U	369.675	370.067	-0.393	-0.11%	0.55%
100	30 U	367.389	369.714	-2.325	-0.63%	3.28%
	Max	376.240	373.227	8.013	2.17%	12.19%
	Average	369.281	366.614	2.667	0.72%	5.55%
	Min	361.979	360.065	-8.643	-2.39%	0.55%
	Std Dev	3.328	3.546	3.736	1.01%	3.26%



VDD=3.5V 2.58G Fund F1 Linear

Test Site		
Tester		
Test Number		
Max Limit	402.0704188	dB
Min Limit	331.1574769	dB

kRad	0	30	50	100
LL	331.157	331.157	331.157	331.157
Min	367.779	360.065	360.392	360.592
Average	368.064	365.977	366.403	367.171
Max	368.349	369.247	372.582	373.227
UL	402.070	402.070	402.070	402.070

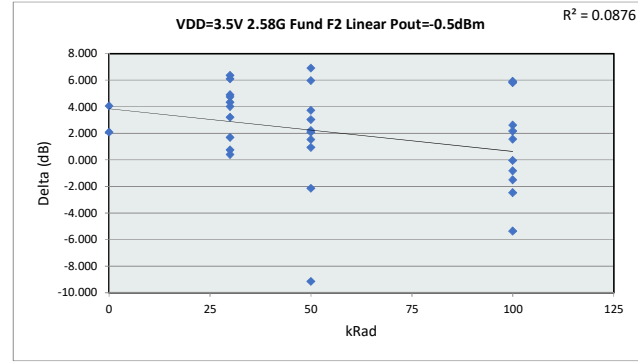


QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G Fund F2 Linea

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	399.5947972	399.5947972
Min Limit	328.1586436	328.1586436

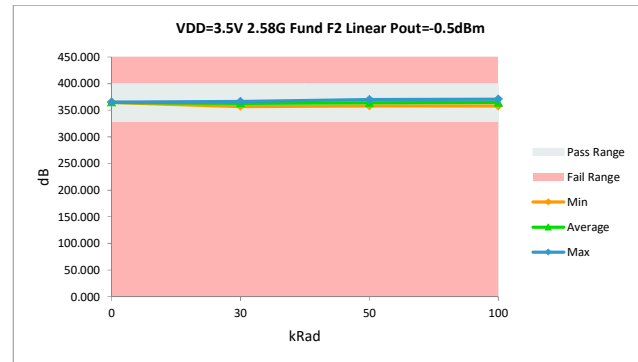
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	368.742	364.695	4.047	1.10%	5.67%
0	C2	367.189	365.117	2.072	0.56%	2.90%
30	1	362.319	357.999	4.320	1.19%	6.05%
30	2	368.599	362.252	6.347	1.72%	8.88%
30	3	368.444	365.254	3.190	0.87%	4.46%
30	4	365.456	365.061	0.395	0.11%	0.55%
30	5	363.535	362.803	0.732	0.20%	1.03%
30	6 U	372.437	366.353	6.084	1.63%	8.52%
30	7 U	366.920	365.241	1.679	0.46%	2.35%
30	8 U	366.578	362.572	4.006	1.09%	5.61%
30	9 U	361.882	357.001	4.881	1.35%	6.83%
30	10 U	370.796	366.067	4.729	1.28%	6.62%
50	11	367.915	370.065	-2.150	-0.58%	3.01%
50	12	364.859	363.344	1.516	0.42%	2.12%
50	13	367.797	364.777	3.020	0.82%	4.23%
50	14	360.844	359.922	0.922	0.26%	1.29%
50	15	361.554	357.834	3.720	1.03%	5.21%
50	16 U	369.187	366.983	2.204	0.60%	3.09%
50	17 U	366.340	359.441	6.899	1.88%	9.66%
50	18 U	365.740	363.669	2.071	0.57%	2.90%
50	19 U	371.125	365.169	5.956	1.60%	8.34%
50	20 U	359.153	368.321	-9.167	-2.55%	12.83%
100	21	365.837	359.936	5.901	1.61%	8.26%
100	22	365.384	363.235	2.150	0.59%	3.01%
100	23	366.997	368.519	-1.522	-0.41%	2.13%
100	24	365.176	370.549	-5.372	-1.47%	7.52%
100	25	362.377	363.211	-0.834	-0.23%	1.17%
100	26 U	366.821	365.268	1.553	0.42%	2.17%
100	27 U	360.430	357.828	2.602	0.72%	3.64%
100	28 U	367.220	361.415	5.805	1.58%	8.13%
100	29 U	367.022	367.083	-0.061	-0.02%	0.08%
100	30 U	364.592	367.072	-2.481	-0.68%	3.47%
Max		372.437	370.549	6.899	1.88%	12.83%
Average		365.915	363.877	2.038	0.55%	4.74%
Min		359.153	357.001	-9.167	-2.55%	0.08%
Std Dev		3.179	3.572	3.533	0.97%	3.11%



VDD=3.5V 2.58G Fund F2 Line

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	399.5947972	399.5947972
Min Limit	328.1586436	328.1586436

kRad	0	30	50	100
LL	328.159	328.159	328.159	328.159
Min	364.695	357.001	357.834	357.828
Average	364.906	363.060	363.952	364.412
Max	365.117	366.353	370.065	370.549
UL	399.595	399.595	399.595	399.595

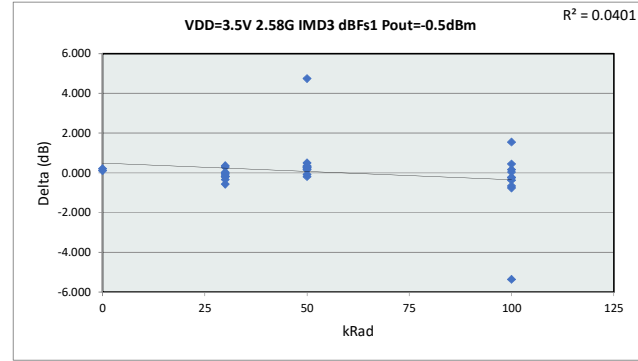


QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G IMD3 dBFs1 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-67.10407373	-67.10407373
Min Limit	-101.389323	-101.389323

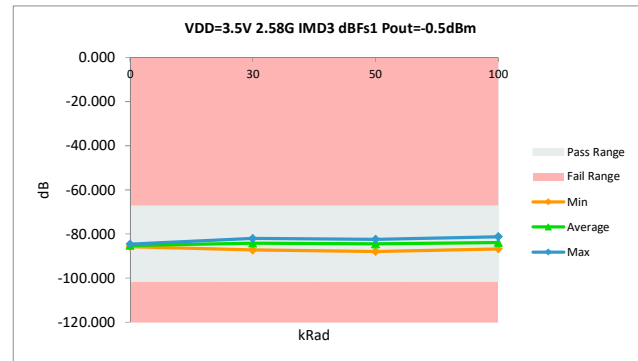
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-85.742	-85.849	0.107	-0.12%	0.31%
0	C2	-84.352	-84.572	0.219	-0.26%	0.64%
30	1	-82.194	-82.093	-0.101	0.12%	0.29%
30	2	-83.214	-83.573	0.359	-0.43%	1.05%
30	3	-82.516	-82.551	0.035	-0.04%	0.10%
30	4	-87.024	-87.319	0.295	-0.34%	0.86%
30	5	-86.189	-86.001	-0.189	0.22%	0.55%
30	6 U	-86.329	-86.152	-0.176	0.20%	0.51%
30	7 U	-83.347	-83.322	-0.024	0.03%	0.07%
30	8 U	-84.341	-83.774	-0.567	0.67%	1.65%
30	9 U	-83.514	-83.176	-0.338	0.40%	0.99%
30	10 U	-83.824	-83.634	-0.189	0.23%	0.55%
50	11	-83.828	-84.178	0.350	-0.42%	1.02%
50	12	-85.832	-86.032	0.200	-0.23%	0.58%
50	13	-84.228	-84.394	0.166	-0.20%	0.49%
50	14	-82.627	-82.931	0.304	-0.37%	0.89%
50	15	-81.952	-82.457	0.504	-0.62%	1.47%
50	16 U	-84.330	-84.258	-0.072	0.09%	0.21%
50	17 U	-85.961	-85.770	-0.191	0.22%	0.56%
50	18 U	-82.309	-82.597	0.288	-0.35%	0.84%
50	19 U	-84.679	-84.955	0.275	-0.33%	0.80%
50	20 U	-83.212	-87.958	4.745	-5.70%	13.84%
100	21	-88.807	-83.447	-5.360	6.04%	15.63%
100	22	-85.735	-85.899	0.164	-0.19%	0.48%
100	23	-83.172	-83.621	0.448	-0.54%	1.31%
100	24	-85.771	-85.014	-0.758	0.88%	2.21%
100	25	-85.217	-86.766	1.548	-1.82%	4.52%
100	26 U	-85.673	-85.306	-0.367	0.43%	1.07%
100	27 U	-81.950	-81.991	0.041	-0.05%	0.12%
100	28 U	-81.456	-81.213	-0.244	0.30%	0.71%
100	29 U	-83.862	-83.633	-0.229	0.27%	0.67%
100	30 U	-82.119	-81.460	-0.658	0.80%	1.92%
	Max	-81.456	-81.213	4.745	6.04%	15.63%
	Average	-84.228	-84.247	0.018	-0.03%	1.78%
	Min	-88.807	-87.958	-5.360	-5.70%	0.07%
	Std Dev	1.738	1.714	1.352	1.57%	3.51%



VDD=3.5V 2.58G IMD3 dBFs1

Test Site	
Tester	
Test Number	
Max Limit	-67.10407373 dB
Min Limit	-101.389323 dB

kRad	0	30	50	100
LL	-101.389	-101.389	-101.389	-101.389
Min	-85.849	-87.319	-87.958	-86.766
Average	-85.210	-84.160	-84.553	-83.835
Max	-84.572	-82.093	-82.457	-81.213
UL	-67.104	-67.104	-67.104	-67.104

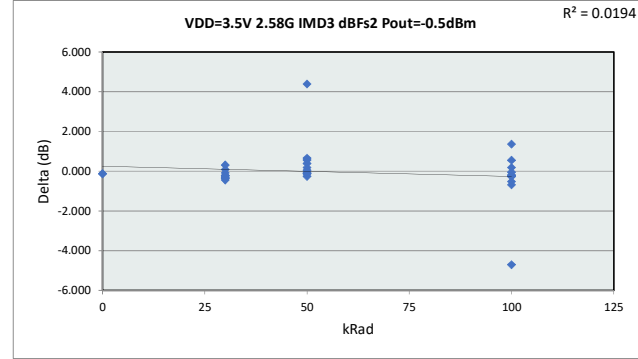


QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G IMD3 dBFs2 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-68.01790752	-68.01790752
Min Limit	-100.7405797	-100.7405797

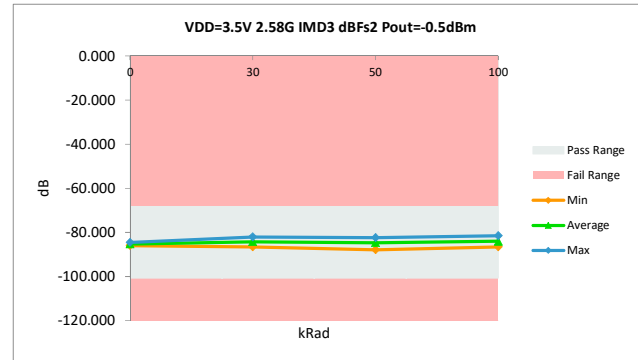
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-86.105	-85.969	-0.136	0.16%	0.42%
0	C2	-84.708	-84.569	-0.140	0.16%	0.43%
30	1	-82.198	-82.104	-0.094	0.11%	0.29%
30	2	-83.582	-83.880	0.298	-0.36%	0.91%
30	3	-82.883	-82.558	-0.325	0.39%	0.99%
30	4	-86.815	-86.576	-0.239	0.28%	0.73%
30	5	-86.271	-86.054	-0.217	0.25%	0.66%
30	6 U	-86.657	-86.206	-0.450	0.52%	1.38%
30	7 U	-83.567	-83.646	0.078	-0.09%	0.24%
30	8 U	-84.280	-84.026	-0.254	0.30%	0.78%
30	9 U	-83.750	-83.391	-0.360	0.43%	1.10%
30	10 U	-84.027	-83.655	-0.372	0.44%	1.14%
50	11	-83.914	-84.567	0.653	-0.78%	2.00%
50	12	-86.299	-86.179	-0.120	0.14%	0.37%
50	13	-84.585	-84.522	-0.063	0.07%	0.19%
50	14	-82.724	-82.896	0.172	-0.21%	0.53%
50	15	-82.075	-82.453	0.378	-0.46%	1.16%
50	16 U	-84.405	-84.443	0.038	-0.04%	0.12%
50	17 U	-86.116	-85.982	-0.134	0.16%	0.41%
50	18 U	-82.509	-83.063	0.555	-0.67%	1.69%
50	19 U	-85.240	-84.975	-0.266	0.31%	0.81%
50	20 U	-83.544	-87.920	4.376	-5.24%	13.37%
100	21	-88.410	-83.693	-4.717	5.34%	14.42%
100	22	-85.719	-86.265	0.546	-0.64%	1.67%
100	23	-83.488	-83.661	0.173	-0.21%	0.53%
100	24	-85.727	-85.451	-0.276	0.32%	0.84%
100	25	-85.253	-86.602	1.350	-1.58%	4.13%
100	26 U	-85.842	-85.314	-0.529	0.62%	1.62%
100	27 U	-82.214	-81.979	-0.235	0.29%	0.72%
100	28 U	-81.709	-81.509	-0.201	0.25%	0.61%
100	29 U	-84.276	-84.222	-0.054	0.06%	0.16%
100	30 U	-82.498	-81.807	-0.691	0.84%	2.11%
	Max	-81.709	-81.509	4.376	5.34%	14.42%
	Average	-84.418	-84.379	-0.039	0.04%	1.77%
	Min	-88.410	-87.920	-4.717	-5.24%	0.12%
	Std Dev	1.660	1.636	1.223	1.42%	3.28%



VDD=3.5V 2.58G IMD3 dBFs2

Test Site		
Tester		
Test Number		
Max Limit	-68.01790752	dB
Min Limit	-100.7405797	dB

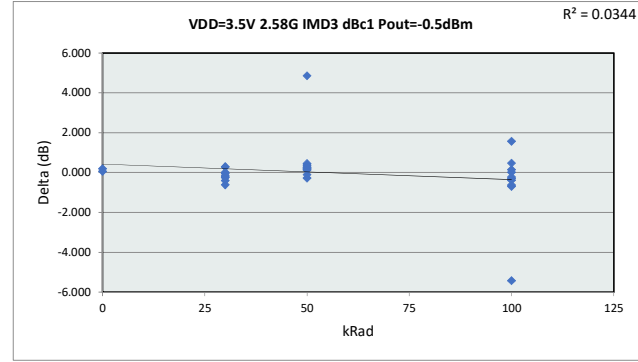
kRad	0	30	50	100
LL	-100.741	-100.741	-100.741	-100.741
Min	-85.969	-86.576	-87.920	-86.602
Average	-85.269	-84.210	-84.700	-84.050
Max	-84.569	-82.104	-82.453	-81.509
UL	-68.018	-68.018	-68.018	-68.018



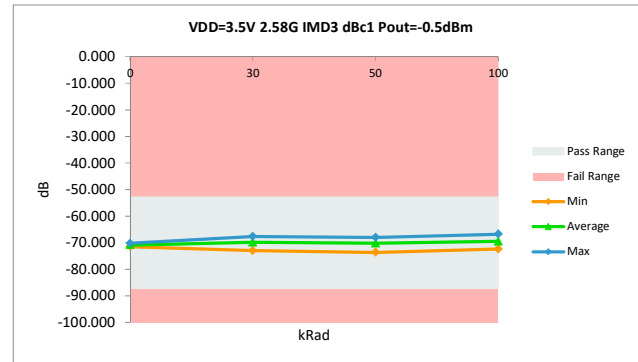
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G IMD3 dBc1 Po		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-52.59693107	-52.59693107
Min Limit	-87.18024961	-87.18024961

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-71.451	-71.505	0.054	-0.08%	0.16%
0	C2	-70.043	-70.234	0.191	-0.27%	0.55%
30	1	-67.831	-67.667	-0.164	0.24%	0.47%
30	2	-68.920	-69.197	0.277	-0.40%	0.80%
30	3	-68.214	-68.214	0.000	0.00%	0.00%
30	4	-72.699	-72.978	0.279	-0.38%	0.81%
30	5	-71.841	-71.632	-0.208	0.29%	0.60%
30	6 U	-72.083	-71.825	-0.258	0.36%	0.75%
30	7 U	-69.035	-68.983	-0.052	0.08%	0.15%
30	8 U	-70.029	-69.402	-0.627	0.90%	1.81%
30	9 U	-69.146	-68.740	-0.406	0.59%	1.17%
30	10 U	-69.561	-69.301	-0.260	0.37%	0.75%
50	11	-69.530	-69.890	0.361	-0.52%	1.04%
50	12	-71.496	-71.666	0.170	-0.24%	0.49%
50	13	-69.925	-70.040	0.115	-0.16%	0.33%
50	14	-68.244	-68.521	0.277	-0.41%	0.80%
50	15	-67.577	-68.024	0.448	-0.66%	1.29%
50	16 U	-70.045	-69.937	-0.108	0.15%	0.31%
50	17 U	-71.644	-71.358	-0.286	0.40%	0.83%
50	18 U	-67.985	-68.235	0.250	-0.37%	0.72%
50	19 U	-70.420	-70.604	0.184	-0.26%	0.53%
50	20 U	-68.799	-73.647	4.848	-7.05%	14.02%
100	21	-74.475	-69.043	-5.432	7.29%	15.71%
100	22	-71.393	-71.535	0.142	-0.20%	0.41%
100	23	-68.851	-69.317	0.467	-0.68%	1.35%
100	24	-71.429	-70.733	-0.696	0.97%	2.01%
100	25	-70.840	-72.402	1.562	-2.21%	4.52%
100	26 U	-71.350	-70.962	-0.388	0.54%	1.12%
100	27 U	-67.552	-67.561	0.009	-0.01%	0.03%
100	28 U	-67.139	-66.825	-0.314	0.47%	0.91%
100	29 U	-69.540	-69.316	-0.224	0.32%	0.65%
100	30 U	-67.770	-67.139	-0.631	0.93%	1.82%
Max		-67.139	-66.825	4.848	7.29%	15.71%
Average		-69.902	-69.889	-0.013	0.00%	1.78%
Min		-74.475	-73.647	-5.432	-7.05%	0.00%
Std Dev		1.748	1.729	1.373	1.92%	3.54%



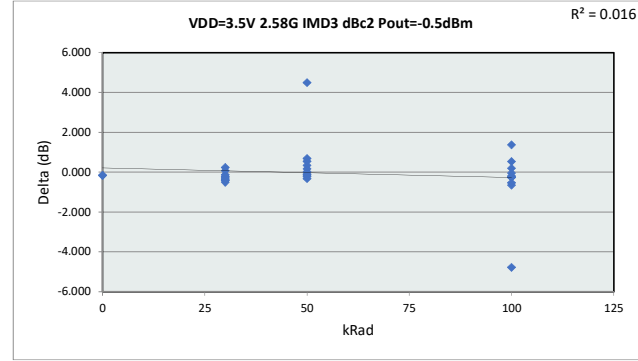
VDD=3.5V 2.58G IMD3 dBc1 P				
Test Site				
Tester				
Test Number				
Max Limit	-52.59693107		dB	
Min Limit	-87.18024961		dB	
kRad	0	30	50	100
LL	-87.180	-87.180	-87.180	-87.180
Min	-71.505	-72.978	-73.647	-72.402
Average	-70.870	-69.794	-70.192	-69.483
Max	-70.234	-67.667	-68.024	-66.825
UL	-52.597	-52.597	-52.597	-52.597



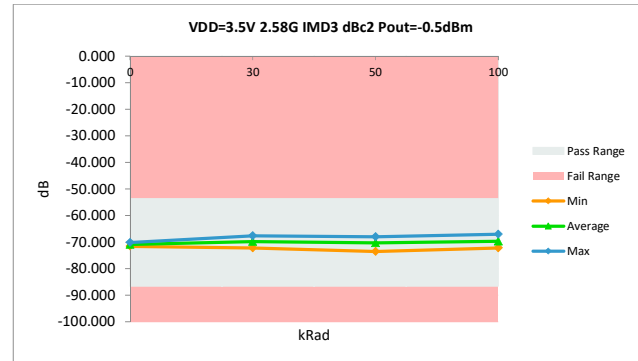
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G IMD3 dBc2 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-53.45972125	-53.45972125
Min Limit	-86.5174454	-86.5174454

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-71.772	-71.588	-0.184	0.26%	0.56%
0	C2	-70.357	-70.193	-0.164	0.23%	0.50%
30	1	-67.789	-67.643	-0.146	0.21%	0.44%
30	2	-69.248	-69.470	0.222	-0.32%	0.67%
30	3	-68.547	-68.184	-0.363	0.53%	1.10%
30	4	-72.443	-72.199	-0.244	0.34%	0.74%
30	5	-71.876	-71.651	-0.225	0.31%	0.68%
30	6 U	-72.367	-71.845	-0.522	0.72%	1.58%
30	7 U	-69.213	-69.272	0.059	-0.08%	0.18%
30	8 U	-69.921	-69.620	-0.302	0.43%	0.91%
30	9 U	-69.336	-68.917	-0.419	0.60%	1.27%
30	10 U	-69.719	-69.291	-0.428	0.61%	1.29%
50	11	-69.572	-70.250	0.678	-0.97%	2.05%
50	12	-71.920	-71.782	-0.138	0.19%	0.42%
50	13	-70.241	-70.142	-0.098	0.14%	0.30%
50	14	-68.297	-68.459	0.161	-0.24%	0.49%
50	15	-67.656	-67.990	0.334	-0.49%	1.01%
50	16 U	-70.077	-70.089	0.012	-0.02%	0.04%
50	17 U	-71.755	-71.538	-0.217	0.30%	0.66%
50	18 U	-68.141	-68.670	0.530	-0.78%	1.60%
50	19 U	-70.935	-70.600	-0.336	0.47%	1.02%
50	20 U	-69.097	-73.583	4.485	-6.49%	13.57%
100	21	-74.043	-69.255	-4.788	6.47%	14.48%
100	22	-71.346	-71.867	0.521	-0.73%	1.57%
100	23	-69.134	-69.325	0.191	-0.28%	0.58%
100	24	-71.352	-71.139	-0.213	0.30%	0.64%
100	25	-70.844	-72.204	1.360	-1.92%	4.11%
100	26 U	-71.487	-70.940	-0.547	0.77%	1.65%
100	27 U	-67.782	-67.516	-0.266	0.39%	0.81%
100	28 U	-67.359	-67.089	-0.270	0.40%	0.82%
100	29 U	-69.923	-69.869	-0.053	0.08%	0.16%
100	30 U	-68.116	-67.455	-0.662	0.97%	2.00%
	Max	-67.359	-67.089	4.485	6.47%	14.48%
	Average	-70.052	-69.989	-0.063	0.08%	1.81%
	Min	-74.043	-73.583	-4.788	-6.49%	0.04%
	Std Dev	1.672	1.653	1.246	1.75%	3.30%



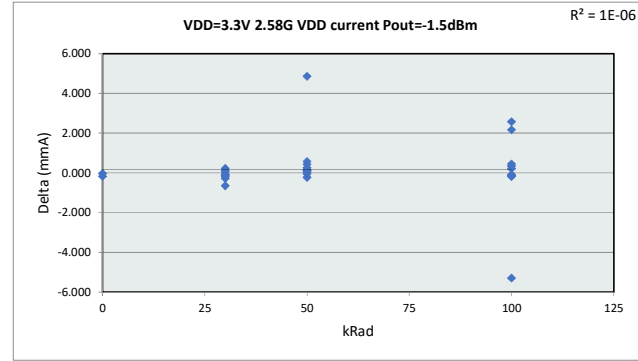
VDD=3.5V 2.58G IMD3 dBc2 Pout=-0.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-53.45972125		dB	
Min Limit	-86.5174454		dB	
kRad	0	30	50	100
LL	-86.517	-86.517	-86.517	-86.517
Min	-71.588	-72.199	-73.583	-72.204
Average	-70.890	-69.809	-70.310	-69.666
Max	-70.193	-67.643	-67.990	-67.089
UL	-53.460	-53.460	-53.460	-53.460



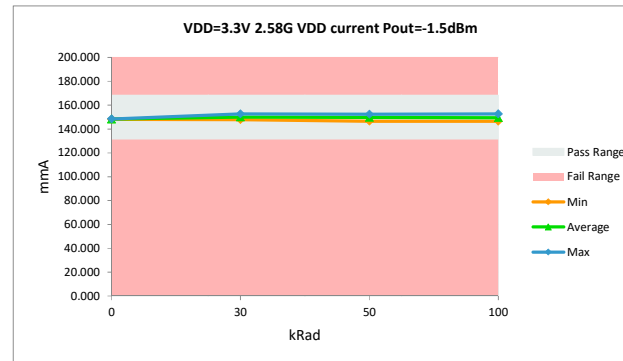
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G VDD current P		
Test Site		
Tester		
Test Number		
Unit	mmA	mmA
Max Limit	168.2442165	168.2442165
Min Limit	131.0497002	131.0497002

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	148.319	148.491	-0.172	-0.12%	0.46%
0	C2	148.047	148.074	-0.027	-0.02%	0.07%
30	1	149.786	149.871	-0.085	-0.06%	0.23%
30	2	149.603	149.693	-0.090	-0.06%	0.24%
30	3	152.388	152.668	-0.280	-0.18%	0.75%
30	4	147.625	147.805	-0.180	-0.12%	0.48%
30	5	152.057	151.952	0.105	0.07%	0.28%
30	6 U	148.758	148.901	-0.143	-0.10%	0.39%
30	7 U	149.939	149.719	0.220	0.15%	0.59%
30	8 U	148.239	148.880	-0.641	-0.43%	1.72%
30	9 U	151.280	151.357	-0.077	-0.05%	0.21%
30	10 U	149.899	149.858	0.041	0.03%	0.11%
50	11	149.030	148.453	0.577	0.39%	1.55%
50	12	152.365	151.935	0.430	0.28%	1.16%
50	13	148.859	148.740	0.119	0.08%	0.32%
50	14	150.319	150.171	0.147	0.10%	0.40%
50	15	152.386	152.266	0.119	0.08%	0.32%
50	16 U	146.246	146.477	-0.231	-0.16%	0.62%
50	17 U	150.230	150.284	-0.054	-0.04%	0.15%
50	18 U	151.599	151.343	0.256	0.17%	0.69%
50	19 U	149.792	149.768	0.024	0.02%	0.06%
50	20 U	152.623	147.760	4.863	3.19%	13.08%
100	21	147.202	152.492	-5.290	-3.59%	14.22%
100	22	148.406	148.066	0.340	0.23%	0.91%
100	23	148.731	148.280	0.451	0.30%	1.21%
100	24	149.121	146.550	2.571	1.72%	6.91%
100	25	150.282	148.114	2.168	1.44%	5.83%
100	26 U	146.982	147.076	-0.093	-0.06%	0.25%
100	27 U	152.722	152.504	0.219	0.14%	0.59%
100	28 U	152.378	152.556	-0.178	-0.12%	0.48%
100	29 U	148.195	148.301	-0.106	-0.07%	0.29%
100	30 U	150.140	150.299	-0.159	-0.11%	0.43%
	Max	152.722	152.668	4.863	3.19%	14.22%
	Average	149.798	149.647	0.151	0.10%	1.72%
	Min	146.246	146.477	-5.290	-3.59%	0.06%
	Std Dev	1.822	1.860	1.437	0.96%	3.47%



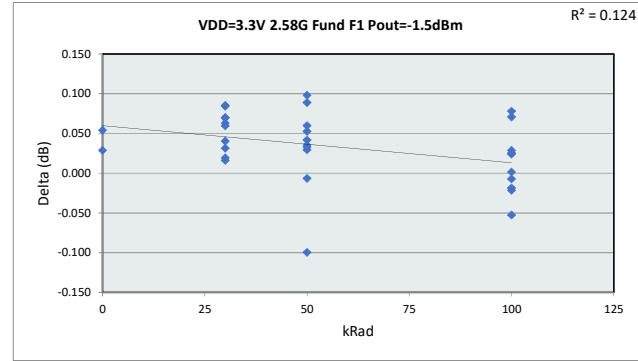
VDD=3.3V 2.58G VDD current P				
Test Site				
Tester				
Test Number				
Max Limit	168.2442165	mmA		
Min Limit	131.0497002	mmA		
kRad	0	30	50	100
LL	131.050	131.050	131.050	131.050
Min	148.074	147.805	146.477	146.550
Average	148.282	150.070	149.720	149.424
Max	148.491	152.668	152.266	152.556
UL	168.244	168.244	168.244	168.244



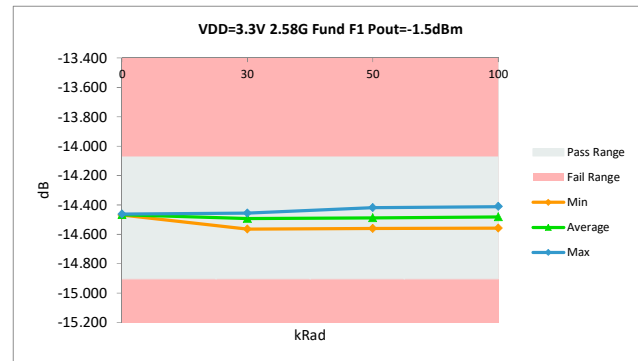
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G Fund F1 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.06897489	-14.06897489
Min Limit	-14.90241935	-14.90241935

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.415	-14.469	0.054	-0.37%	6.48%
0	C2	-14.434	-14.462	0.029	-0.20%	3.43%
30	1	-14.490	-14.553	0.063	-0.43%	7.54%
30	2	-14.420	-14.504	0.084	-0.58%	10.09%
30	3	-14.425	-14.465	0.040	-0.28%	4.81%
30	4	-14.451	-14.471	0.019	-0.13%	2.30%
30	5	-14.476	-14.492	0.016	-0.11%	1.92%
30	6 U	-14.370	-14.455	0.085	-0.59%	10.21%
30	7 U	-14.436	-14.467	0.031	-0.22%	3.73%
30	8 U	-14.439	-14.499	0.059	-0.41%	7.14%
30	9 U	-14.495	-14.565	0.070	-0.48%	8.39%
30	10 U	-14.392	-14.461	0.069	-0.48%	8.32%
50	11	-14.425	-14.418	-0.007	0.05%	0.80%
50	12	-14.460	-14.493	0.033	-0.23%	3.92%
50	13	-14.428	-14.480	0.052	-0.36%	6.29%
50	14	-14.508	-14.537	0.029	-0.20%	3.52%
50	15	-14.501	-14.560	0.060	-0.41%	7.15%
50	16 U	-14.410	-14.451	0.042	-0.29%	4.98%
50	17 U	-14.440	-14.538	0.098	-0.68%	11.76%
50	18 U	-14.452	-14.487	0.035	-0.24%	4.22%
50	19 U	-14.386	-14.474	0.089	-0.62%	10.63%
50	20 U	-14.535	-14.436	-0.100	0.69%	11.96%
100	21	-14.455	-14.533	0.078	-0.54%	9.35%
100	22	-14.468	-14.493	0.025	-0.17%	3.02%
100	23	-14.451	-14.432	-0.019	0.13%	2.27%
100	24	-14.464	-14.411	-0.053	0.37%	6.34%
100	25	-14.500	-14.493	-0.007	0.05%	0.89%
100	26 U	-14.447	-14.471	0.024	-0.16%	2.84%
100	27 U	-14.530	-14.558	0.029	-0.20%	3.42%
100	28 U	-14.444	-14.515	0.070	-0.49%	8.46%
100	29 U	-14.447	-14.448	0.001	-0.01%	0.16%
100	30 U	-14.473	-14.452	-0.022	0.15%	2.59%
	Max	-14.370	-14.411	0.098	0.69%	11.96%
	Average	-14.452	-14.486	0.034	-0.23%	5.59%
	Min	-14.535	-14.565	-0.100	-0.68%	0.16%
	Std Dev	0.039	0.042	0.043	0.30%	3.36%



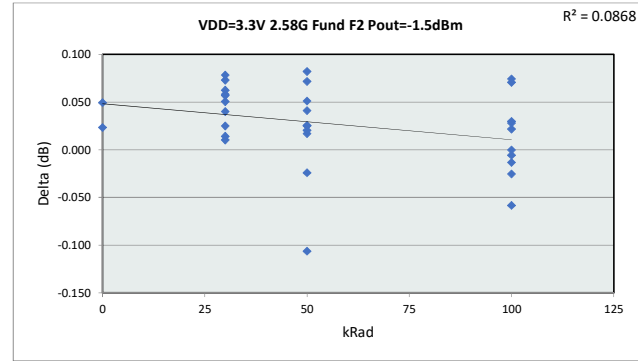
VDD=3.3V 2.58G Fund F1 Pout=-				
Test Site				
Tester				
Test Number				
Max Limit	-14.06897489	dB		
Min Limit	-14.90241935	dB		
kRad	0	30	50	100
LL	-14.902	-14.902	-14.902	-14.902
Min	-14.469	-14.565	-14.560	-14.558
Average	-14.466	-14.493	-14.488	-14.481
Max	-14.462	-14.455	-14.418	-14.411
UL	-14.069	-14.069	-14.069	-14.069



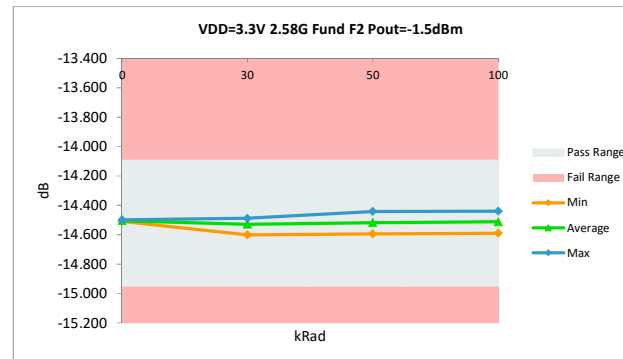
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G Fund F2 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.08849802	-14.08849802
Min Limit	-14.94846706	-14.94846706

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.460	-14.509	0.049	-0.34%	5.74%
0	C2	-14.476	-14.500	0.023	-0.16%	2.72%
30	1	-14.533	-14.591	0.057	-0.39%	6.64%
30	2	-14.461	-14.539	0.078	-0.54%	9.10%
30	3	-14.463	-14.503	0.040	-0.28%	4.66%
30	4	-14.491	-14.505	0.014	-0.10%	1.64%
30	5	-14.519	-14.529	0.010	-0.07%	1.20%
30	6 U	-14.415	-14.488	0.073	-0.51%	8.50%
30	7 U	-14.477	-14.502	0.025	-0.17%	2.89%
30	8 U	-14.481	-14.532	0.051	-0.35%	5.88%
30	9 U	-14.539	-14.602	0.062	-0.43%	7.25%
30	10 U	-14.432	-14.491	0.058	-0.40%	6.77%
50	11	-14.466	-14.442	-0.024	0.17%	2.80%
50	12	-14.505	-14.525	0.020	-0.14%	2.37%
50	13	-14.468	-14.509	0.041	-0.28%	4.79%
50	14	-14.550	-14.567	0.017	-0.12%	1.96%
50	15	-14.544	-14.595	0.051	-0.35%	5.95%
50	16 U	-14.455	-14.480	0.025	-0.18%	2.96%
50	17 U	-14.487	-14.570	0.082	-0.57%	9.56%
50	18 U	-14.496	-14.521	0.025	-0.17%	2.93%
50	19 U	-14.431	-14.503	0.072	-0.50%	8.33%
50	20 U	-14.571	-14.465	-0.106	0.73%	12.37%
100	21	-14.492	-14.566	0.074	-0.51%	8.65%
100	22	-14.497	-14.527	0.030	-0.21%	3.47%
100	23	-14.479	-14.466	-0.013	0.09%	1.55%
100	24	-14.498	-14.440	-0.058	0.40%	6.79%
100	25	-14.532	-14.526	-0.006	0.04%	0.65%
100	26 U	-14.482	-14.503	0.022	-0.15%	2.53%
100	27 U	-14.561	-14.589	0.028	-0.19%	3.25%
100	28 U	-14.477	-14.547	0.071	-0.49%	8.22%
100	29 U	-14.479	-14.479	0.000	0.00%	0.02%
100	30 U	-14.506	-14.481	-0.025	0.18%	2.96%
	Max	-14.415	-14.440	0.082	0.73%	12.37%
	Average	-14.491	-14.518	0.027	-0.19%	4.85%
	Min	-14.571	-14.602	-0.106	-0.57%	0.02%
	Std Dev	0.038	0.043	0.042	0.29%	3.06%



VDD=3.3V 2.58G Fund F2 Pout=-				
Test Site				
Tester				
Test Number				
Max Limit	-14.08849802		dB	
Min Limit	-14.94846706		dB	
kRad	0	30	50	100
LL	-14.948	-14.948	-14.948	-14.948
Min	-14.509	-14.602	-14.595	-14.589
Average	-14.504	-14.528	-14.518	-14.513
Max	-14.500	-14.488	-14.442	-14.440
UL	-14.088	-14.088	-14.088	-14.088

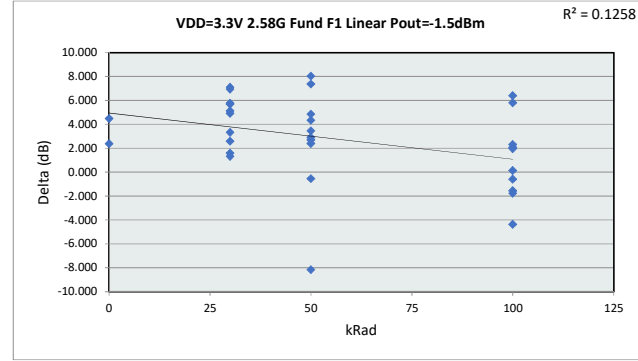


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G Fund F1 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	390.1012839	390.1012839
Min Limit	321.8981248	321.8981248

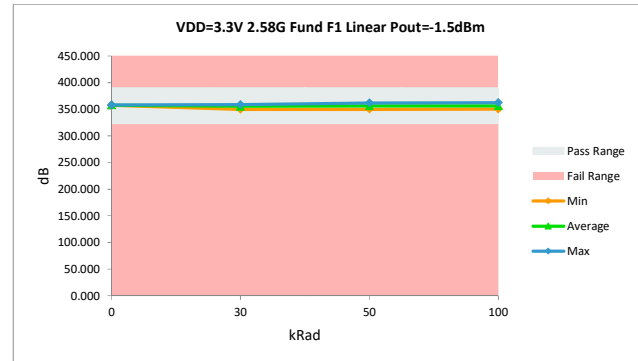
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	361.848	357.378	4.470	1.24%	6.55%
0	C2	360.254	357.893	2.360	0.66%	3.46%
30	1	355.614	350.506	5.108	1.44%	7.49%
30	2	361.428	354.500	6.928	1.92%	10.16%
30	3	361.025	357.705	3.320	0.92%	4.87%
30	4	358.799	357.216	1.584	0.44%	2.32%
30	5	356.812	355.499	1.313	0.37%	1.93%
30	6 U	365.565	358.470	7.095	1.94%	10.40%
30	7 U	360.087	357.518	2.568	0.71%	3.77%
30	8 U	359.818	354.922	4.896	1.36%	7.18%
30	9 U	355.229	349.555	5.673	1.60%	8.32%
30	10 U	363.785	358.025	5.760	1.58%	8.45%
50	11	360.983	361.538	-0.555	-0.15%	0.81%
50	12	358.080	355.395	2.685	0.75%	3.94%
50	13	360.776	356.450	4.326	1.20%	6.34%
50	14	354.159	351.777	2.381	0.67%	3.49%
50	15	354.753	349.918	4.836	1.36%	7.09%
50	16 U	362.266	358.820	3.447	0.95%	5.05%
50	17 U	359.732	351.705	8.026	2.23%	11.77%
50	18 U	358.775	355.882	2.893	0.81%	4.24%
50	19 U	364.272	356.916	7.356	2.02%	10.79%
50	20 U	351.949	360.120	-8.171	-2.32%	11.98%
100	21	358.493	352.120	6.373	1.78%	9.34%
100	22	357.467	355.403	2.064	0.58%	3.03%
100	23	358.875	360.440	-1.565	-0.44%	2.29%
100	24	357.787	362.164	-4.377	-1.22%	6.42%
100	25	354.795	355.404	-0.609	-0.17%	0.89%
100	26 U	359.134	357.180	1.954	0.54%	2.87%
100	27 U	352.411	350.104	2.307	0.65%	3.38%
100	28 U	359.402	353.616	5.786	1.61%	8.48%
100	29 U	359.164	359.054	0.111	0.03%	0.16%
100	30 U	357.014	358.796	-1.782	-0.50%	2.61%
	Max	365.565	362.164	8.026	2.23%	11.98%
	Average	358.767	356.000	2.768	0.77%	5.62%
	Min	351.949	349.555	-8.171	-2.32%	0.16%
	Std Dev	3.232	3.410	3.545	0.99%	3.38%



VDD=3.3V 2.58G Fund F1 Linear

Test Site		
Tester		
Test Number		
Max Limit	390.1012839	dB
Min Limit	321.8981248	dB

kRad	0	30	50	100
LL	321.898	321.898	321.898	321.898
Min	357.378	349.555	349.918	350.104
Average	357.636	355.392	355.852	356.428
Max	357.893	358.470	361.538	362.164
UL	390.101	390.101	390.101	390.101

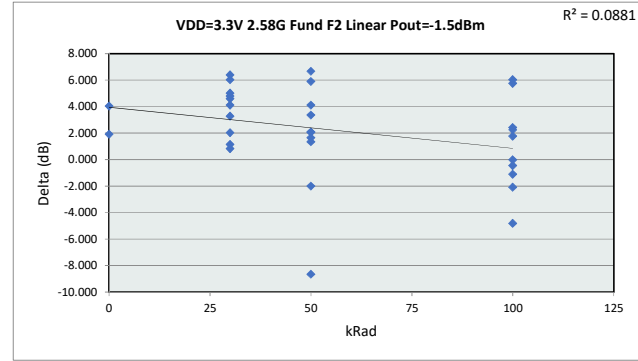


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G Fund F2 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	388.2593387	388.2593387
Min Limit	318.3873936	318.3873936

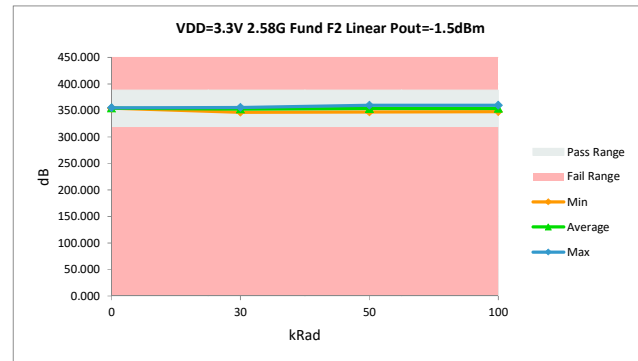
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	358.137	354.093	4.045	1.13%	5.79%
0	C2	356.763	354.848	1.915	0.54%	2.74%
30	1	352.092	347.496	4.596	1.31%	6.58%
30	2	358.034	351.640	6.395	1.79%	9.15%
30	3	357.824	354.538	3.285	0.92%	4.70%
30	4	355.552	354.402	1.150	0.32%	1.65%
30	5	353.282	352.446	0.836	0.24%	1.20%
30	6 U	361.807	355.766	6.041	1.67%	8.65%
30	7 U	356.706	354.667	2.038	0.57%	2.92%
30	8 U	356.366	352.240	4.126	1.16%	5.91%
30	9 U	351.623	346.608	5.015	1.43%	7.18%
30	10 U	360.386	355.586	4.800	1.33%	6.87%
50	11	357.607	359.596	-1.990	-0.56%	2.85%
50	12	354.426	352.768	1.657	0.47%	2.37%
50	13	357.449	354.076	3.373	0.94%	4.83%
50	14	350.757	349.399	1.359	0.39%	1.94%
50	15	351.268	347.153	4.116	1.17%	5.89%
50	16 U	358.516	356.421	2.095	0.58%	3.00%
50	17 U	355.846	349.170	6.676	1.88%	9.55%
50	18 U	355.136	353.081	2.055	0.58%	2.94%
50	19 U	360.468	354.569	5.899	1.64%	8.44%
50	20 U	349.024	357.676	-8.652	-2.48%	12.38%
100	21	355.473	349.436	6.037	1.70%	8.64%
100	22	355.039	352.611	2.428	0.68%	3.48%
100	23	356.528	357.621	-1.093	-0.31%	1.56%
100	24	354.958	359.766	-4.808	-1.35%	6.88%
100	25	352.210	352.660	-0.451	-0.13%	0.65%
100	26 U	356.307	354.528	1.779	0.50%	2.55%
100	27 U	349.879	347.636	2.243	0.64%	3.21%
100	28 U	356.716	350.956	5.760	1.61%	8.24%
100	29 U	356.492	356.503	-0.011	0.00%	0.02%
100	30 U	354.310	356.393	-2.083	-0.59%	2.98%
Max		361.807	359.766	6.676	1.88%	12.38%
Average		355.531	353.323	2.207	0.62%	4.87%
Min		349.024	346.608	-8.652	-2.48%	0.02%
Std Dev		3.069	3.494	3.394	0.96%	3.07%



VDD=3.3V 2.58G Fund F2 Linear

Test Site		
Tester		
Test Number		
Max Limit	388.2593387	dB
Min Limit	318.3873936	dB

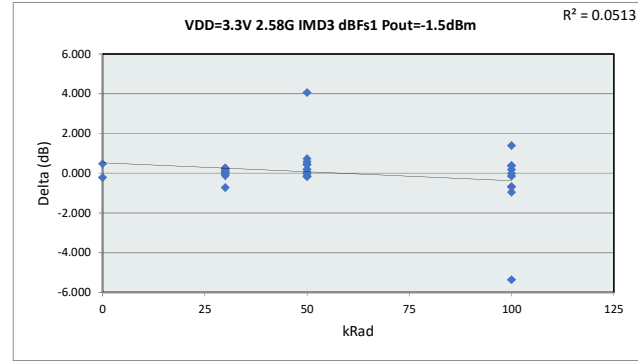
kRad	0	30	50	100
LL	318.387	318.387	318.387	318.387
Min	354.093	346.608	347.153	347.636
Average	354.471	352.539	353.391	353.811
Max	354.848	355.766	359.596	359.766
UL	388.259	388.259	388.259	388.259



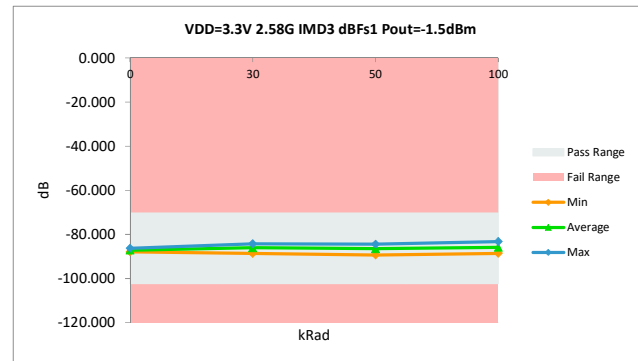
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G IMD3 dBFs1 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-70.16240375	-70.16240375
Min Limit	-102.272652	-102.272652

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-87.510	-87.974	0.464	-0.53%	1.44%
0	C2	-86.526	-86.305	-0.221	0.26%	0.69%
30	1	-84.114	-84.330	0.217	-0.26%	0.67%
30	2	-85.254	-85.508	0.254	-0.30%	0.79%
30	3	-84.645	-84.517	-0.128	0.15%	0.40%
30	4	-88.567	-88.657	0.090	-0.10%	0.28%
30	5	-87.789	-87.994	0.206	-0.23%	0.64%
30	6 U	-88.076	-88.031	-0.044	0.05%	0.14%
30	7 U	-85.443	-85.500	0.057	-0.07%	0.18%
30	8 U	-86.151	-85.420	-0.731	0.85%	2.28%
30	9 U	-85.340	-85.407	0.067	-0.08%	0.21%
30	10 U	-85.621	-85.609	-0.011	0.01%	0.04%
50	11	-85.819	-86.546	0.727	-0.85%	2.26%
50	12	-87.760	-87.575	-0.185	0.21%	0.58%
50	13	-86.191	-86.616	0.425	-0.49%	1.32%
50	14	-84.815	-84.660	-0.156	0.18%	0.48%
50	15	-83.972	-84.543	0.571	-0.68%	1.78%
50	16 U	-86.272	-86.249	-0.023	0.03%	0.07%
50	17 U	-87.587	-88.020	0.434	-0.50%	1.35%
50	18 U	-84.419	-84.608	0.188	-0.22%	0.59%
50	19 U	-86.848	-86.866	0.018	-0.02%	0.06%
50	20 U	-85.358	-89.413	4.054	-4.75%	12.63%
100	21	-90.500	-85.128	-5.372	5.94%	16.73%
100	22	-87.552	-87.923	0.371	-0.42%	1.16%
100	23	-85.254	-85.636	0.382	-0.45%	1.19%
100	24	-87.903	-86.938	-0.965	1.10%	3.01%
100	25	-87.202	-88.582	1.380	-1.58%	4.30%
100	26 U	-87.648	-87.499	-0.149	0.17%	0.46%
100	27 U	-84.022	-84.197	0.175	-0.21%	0.54%
100	28 U	-83.347	-83.329	-0.018	0.02%	0.05%
100	29 U	-86.424	-85.738	-0.686	0.79%	2.14%
100	30 U	-84.334	-83.643	-0.691	0.82%	2.15%
	Max	-83.347	-83.329	4.054	5.94%	16.73%
	Average	-86.196	-86.218	0.022	-0.04%	1.89%
	Min	-90.500	-89.413	-5.372	-4.75%	0.04%
	Std Dev	1.627	1.606	1.292	1.46%	3.53%



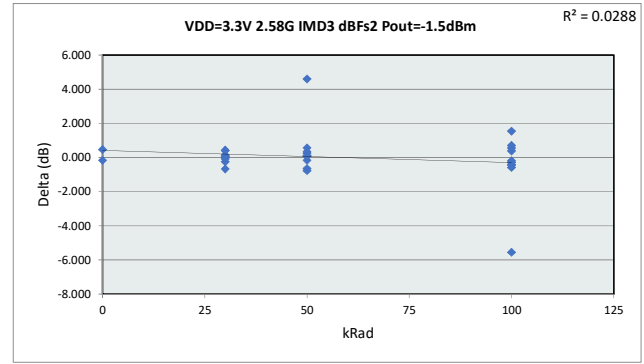
VDD=3.3V 2.58G IMD3 dBFs1				
Test Site				
Tester				
Test Number				
Max Limit	-70.16240375		dB	
Min Limit	-102.272652		dB	
kRad	0	30	50	100
LL	-102.273	-102.273	-102.273	-102.273
Min	-87.974	-88.657	-89.413	-88.582
Average	-87.139	-86.097	-86.510	-85.861
Max	-86.305	-84.330	-84.543	-83.329
UL	-70.162	-70.162	-70.162	-70.162



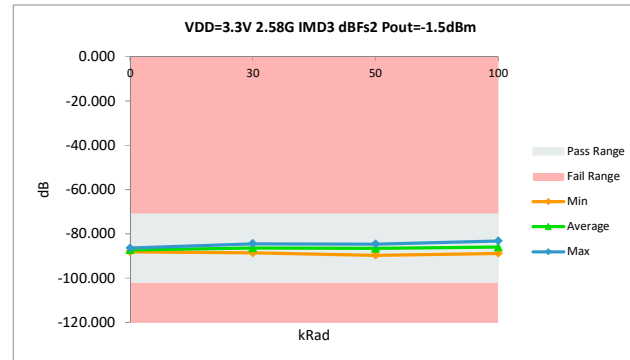
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G IMD3 dBFs2 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-70.85353334	-70.85353334
Min Limit	-101.9090313	-101.9090313

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-87.706	-88.161	0.454	-0.52%	1.46%
0	C2	-86.617	-86.445	-0.173	0.20%	0.56%
30	1	-84.464	-84.462	-0.003	0.00%	0.01%
30	2	-85.705	-85.738	0.034	-0.04%	0.11%
30	3	-84.722	-85.146	0.424	-0.50%	1.37%
30	4	-88.917	-88.664	-0.253	0.28%	0.82%
30	5	-88.010	-88.041	0.032	-0.04%	0.10%
30	6 U	-87.893	-88.279	0.387	-0.44%	1.24%
30	7 U	-85.553	-85.628	0.076	-0.09%	0.24%
30	8 U	-86.530	-85.845	-0.685	0.79%	2.21%
30	9 U	-85.805	-85.932	0.127	-0.15%	0.41%
30	10 U	-85.928	-85.841	-0.086	0.10%	0.28%
50	11	-85.923	-86.484	0.560	-0.65%	1.80%
50	12	-87.788	-87.609	-0.179	0.20%	0.58%
50	13	-86.469	-86.546	0.076	-0.09%	0.25%
50	14	-85.084	-85.159	0.076	-0.09%	0.24%
50	15	-84.352	-84.683	0.331	-0.39%	1.07%
50	16 U	-86.708	-86.048	-0.660	0.76%	2.13%
50	17 U	-88.191	-87.404	-0.787	0.89%	2.53%
50	18 U	-84.700	-84.944	0.244	-0.29%	0.79%
50	19 U	-87.210	-87.308	0.098	-0.11%	0.32%
50	20 U	-85.080	-89.667	4.587	-5.39%	14.77%
100	21	-90.546	-84.986	-5.560	6.14%	17.90%
100	22	-87.625	-88.328	0.703	-0.80%	2.26%
100	23	-85.377	-85.925	0.548	-0.64%	1.77%
100	24	-87.907	-87.312	-0.595	0.68%	1.92%
100	25	-87.278	-88.816	1.538	-1.76%	4.95%
100	26 U	-87.158	-86.962	-0.195	0.22%	0.63%
100	27 U	-84.112	-84.484	0.372	-0.44%	1.20%
100	28 U	-83.554	-83.256	-0.298	0.36%	0.96%
100	29 U	-86.539	-86.107	-0.433	0.50%	1.39%
100	30 U	-84.445	-83.990	-0.455	0.54%	1.47%
Max		-83.554	-83.256	4.587	6.14%	17.90%
Average		-86.372	-86.381	0.009	-0.02%	2.12%
Min		-90.546	-89.667	-5.560	-5.39%	0.01%
Std Dev		1.591	1.553	1.378	1.56%	3.88%



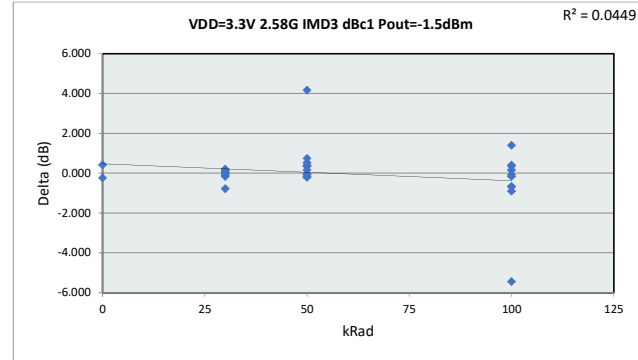
VDD=3.3V 2.58G IMD3 dBFs2				
Test Site				
Tester				
Test Number				
Max Limit	-70.85353334		dB	
Min Limit	-101.9090313		dB	
kRad	0	30	50	100
LL	-101.909	-101.909	-101.909	-101.909
Min	-88.161	-88.664	-89.667	-88.816
Average	-87.303	-86.358	-86.585	-86.017
Max	-86.445	-84.462	-84.683	-83.256
UL	-70.854	-70.854	-70.854	-70.854



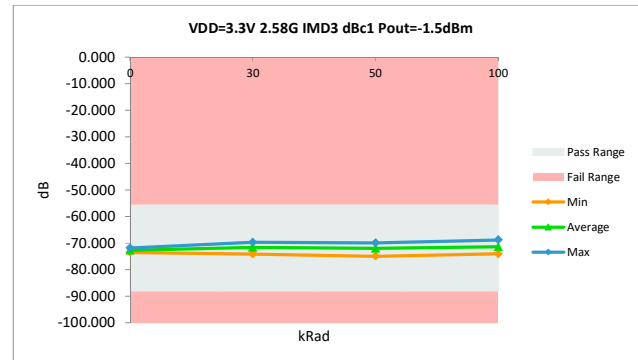
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G IMD3 dBc1 Pout=-1.5dBm		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-55.52192792	-55.52192792
Min Limit	-87.94173279	-87.94173279

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-73.095	-73.505	0.410	-0.56%	1.26%
0	C2	-72.092	-71.843	-0.250	0.35%	0.77%
30	1	-69.623	-69.777	0.154	-0.22%	0.47%
30	2	-70.834	-71.004	0.170	-0.24%	0.52%
30	3	-70.220	-70.052	-0.168	0.24%	0.52%
30	4	-74.116	-74.187	0.071	-0.10%	0.22%
30	5	-73.313	-73.503	0.190	-0.26%	0.59%
30	6 U	-73.705	-73.576	-0.130	0.18%	0.40%
30	7 U	-71.007	-71.033	0.026	-0.04%	0.08%
30	8 U	-71.712	-70.921	-0.790	1.10%	2.44%
30	9 U	-70.845	-70.842	-0.003	0.00%	0.01%
30	10 U	-71.229	-71.148	-0.081	0.11%	0.25%
50	11	-71.394	-72.127	0.734	-1.03%	2.26%
50	12	-73.299	-73.082	-0.218	0.30%	0.67%
50	13	-71.764	-72.136	0.373	-0.52%	1.15%
50	14	-70.307	-70.122	-0.185	0.26%	0.57%
50	15	-69.471	-69.982	0.511	-0.74%	1.58%
50	16 U	-71.862	-71.798	-0.065	0.09%	0.20%
50	17 U	-73.146	-73.482	0.336	-0.46%	1.04%
50	18 U	-69.968	-70.121	0.153	-0.22%	0.47%
50	19 U	-72.463	-72.392	-0.070	0.10%	0.22%
50	20 U	-70.823	-74.977	4.154	-5.87%	12.81%
100	21	-76.045	-70.595	-5.450	7.17%	16.81%
100	22	-73.084	-73.430	0.346	-0.47%	1.07%
100	23	-70.804	-71.205	0.401	-0.57%	1.24%
100	24	-73.439	-72.527	-0.912	1.24%	2.81%
100	25	-72.702	-74.089	1.387	-1.91%	4.28%
100	26 U	-73.201	-73.028	-0.173	0.24%	0.53%
100	27 U	-69.493	-69.639	0.146	-0.21%	0.45%
100	28 U	-68.903	-68.815	-0.088	0.13%	0.27%
100	29 U	-71.977	-71.290	-0.687	0.95%	2.12%
100	30 U	-69.861	-69.191	-0.669	0.96%	2.07%
	Max	-68.903	-68.815	4.154	7.17%	16.81%
	Average	-71.744	-71.732	-0.012	0.00%	1.88%
	Min	-76.045	-74.977	-5.450	-5.87%	0.01%
	Std Dev	1.639	1.621	1.309	1.78%	3.56%



VDD=3.3V 2.58G IMD3 dBc1 Pout=-1.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-55.52192792		dB	
Min Limit	-87.94173279		dB	
kRad	0	30	50	100
LL	-87.942	-87.942	-87.942	-87.942
Min	-73.505	-74.187	-74.977	-74.089
Average	-72.674	-71.604	-72.022	-71.381
Max	-71.843	-69.777	-69.982	-68.815
UL	-55.522	-55.522	-55.522	-55.522

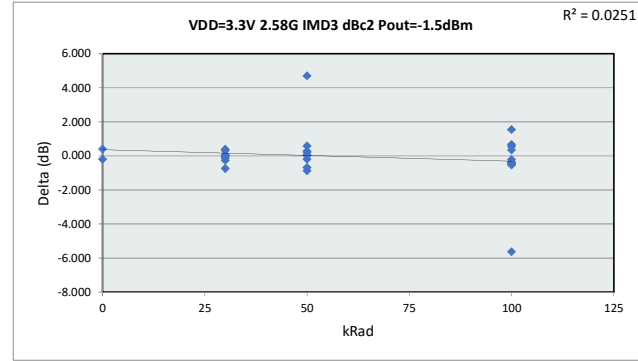


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G IMD3 dBc2 Po

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-56.17035844	-56.17035844
Min Limit	-87.55523989	-87.55523989

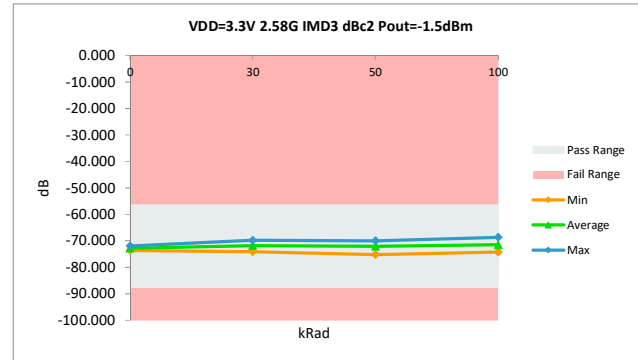
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-73.247	-73.652	0.405	-0.55%	1.29%
0	C2	-72.141	-71.945	-0.196	0.27%	0.63%
30	1	-69.931	-69.871	-0.060	0.09%	0.19%
30	2	-71.244	-71.199	-0.045	0.06%	0.14%
30	3	-70.259	-70.643	0.384	-0.55%	1.22%
30	4	-74.426	-74.159	-0.267	0.36%	0.85%
30	5	-73.491	-73.512	0.021	-0.03%	0.07%
30	6 U	-73.477	-73.791	0.313	-0.43%	1.00%
30	7 U	-71.076	-71.126	0.051	-0.07%	0.16%
30	8 U	-72.049	-71.314	-0.735	1.02%	2.34%
30	9 U	-71.265	-71.330	0.065	-0.09%	0.21%
30	10 U	-71.495	-71.351	-0.145	0.20%	0.46%
50	11	-71.457	-72.042	0.584	-0.82%	1.86%
50	12	-73.283	-73.084	-0.199	0.27%	0.63%
50	13	-72.002	-72.036	0.035	-0.05%	0.11%
50	14	-70.534	-70.593	0.059	-0.08%	0.19%
50	15	-69.809	-70.089	0.280	-0.40%	0.89%
50	16 U	-72.253	-71.568	-0.686	0.95%	2.18%
50	17 U	-73.703	-72.834	-0.869	1.18%	2.77%
50	18 U	-70.204	-70.423	0.219	-0.31%	0.70%
50	19 U	-72.778	-72.805	0.027	-0.04%	0.08%
50	20 U	-70.509	-75.202	4.693	-6.66%	14.95%
100	21	-76.054	-70.420	-5.634	7.41%	17.95%
100	22	-73.128	-73.801	0.673	-0.92%	2.14%
100	23	-70.898	-71.459	0.562	-0.79%	1.79%
100	24	-73.409	-72.873	-0.536	0.73%	1.71%
100	25	-72.746	-74.290	1.543	-2.12%	4.92%
100	26 U	-72.676	-72.459	-0.217	0.30%	0.69%
100	27 U	-69.552	-69.896	0.344	-0.49%	1.10%
100	28 U	-69.077	-68.708	-0.369	0.53%	1.17%
100	29 U	-72.060	-71.627	-0.433	0.60%	1.38%
100	30 U	-69.939	-69.509	-0.430	0.61%	1.37%
	Max	-69.077	-68.708	4.693	7.41%	17.95%
	Average	-71.880	-71.863	-0.018	0.01%	2.10%
	Min	-76.054	-75.202	-5.634	-6.66%	0.07%
	Std Dev	1.602	1.569	1.399	1.90%	3.92%



VDD=3.3V 2.58G IMD3 dBc2 P

Test Site		
Tester		
Test Number		
Max Limit	-56.17035844	dB
Min Limit	-87.55523989	dB

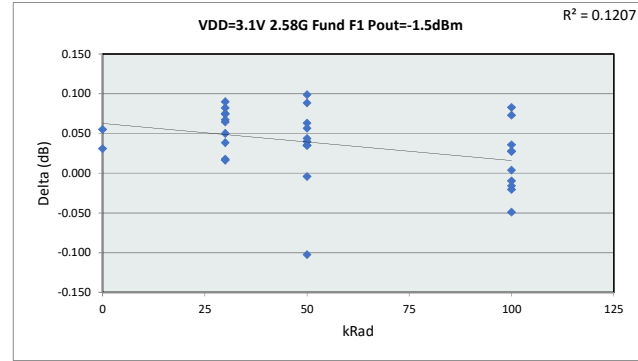
kRad	0	30	50	100
LL	-87.555	-87.555	-87.555	-87.555
Min	-73.652	-74.159	-75.202	-74.290
Average	-72.798	-71.830	-72.068	-71.504
Max	-71.945	-69.871	-70.089	-68.708
UL	-56.170	-56.170	-56.170	-56.170



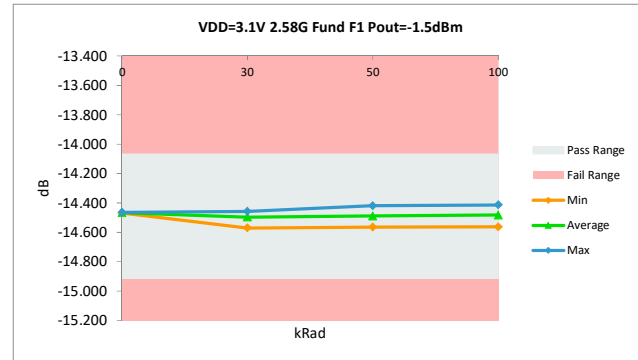
QMLP TID Report

TRF0208 QMLP

VDD=3.1V 2.58G Fund F1 Pout=						
Test Site						
Tester						
Test Number						
Unit		dB	dB			
Max Limit		-14.06353473	-14.06353473			
Min Limit		-14.91193581	-14.91193581			
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.414	-14.469	0.055	-0.38%	6.47%
0	C2	-14.433	-14.464	0.031	-0.21%	3.63%
30	1	-14.491	-14.558	0.067	-0.46%	7.90%
30	2	-14.421	-14.503	0.082	-0.57%	9.65%
30	3	-14.419	-14.469	0.050	-0.35%	5.86%
30	4	-14.452	-14.470	0.017	-0.12%	2.04%
30	5	-14.477	-14.493	0.016	-0.11%	1.91%
30	6 U	-14.367	-14.457	0.090	-0.62%	10.58%
30	7 U	-14.434	-14.472	0.038	-0.27%	4.52%
30	8 U	-14.438	-14.503	0.064	-0.44%	7.57%
30	9 U	-14.496	-14.570	0.074	-0.51%	8.75%
30	10 U	-14.389	-14.464	0.075	-0.52%	8.84%
50	11	-14.424	-14.419	-0.004	0.03%	0.50%
50	12	-14.455	-14.490	0.035	-0.24%	4.10%
50	13	-14.426	-14.483	0.056	-0.39%	6.63%
50	14	-14.507	-14.542	0.035	-0.24%	4.12%
50	15	-14.502	-14.565	0.063	-0.43%	7.40%
50	16 U	-14.414	-14.458	0.044	-0.30%	5.14%
50	17 U	-14.439	-14.538	0.099	-0.68%	11.62%
50	18 U	-14.451	-14.491	0.040	-0.27%	4.68%
50	19 U	-14.385	-14.473	0.088	-0.61%	10.41%
50	20 U	-14.537	-14.434	-0.103	0.71%	12.10%
100	21	-14.452	-14.534	0.083	-0.57%	9.75%
100	22	-14.468	-14.495	0.027	-0.19%	3.20%
100	23	-14.448	-14.432	-0.016	0.11%	1.92%
100	24	-14.463	-14.413	-0.049	0.34%	5.81%
100	25	-14.500	-14.490	-0.010	0.07%	1.15%
100	26 U	-14.448	-14.476	0.028	-0.19%	3.25%
100	27 U	-14.528	-14.564	0.035	-0.24%	4.18%
100	28 U	-14.444	-14.517	0.073	-0.50%	8.59%
100	29 U	-14.445	-14.449	0.004	-0.03%	0.44%
100	30 U	-14.476	-14.455	-0.021	0.14%	2.46%
	Max	-14.367	-14.413	0.099	0.71%	12.10%
	Average	-14.451	-14.488	0.036	-0.25%	5.79%
	Min	-14.537	-14.570	-0.103	-0.68%	0.44%
	Std Dev	0.040	0.042	0.044	0.30%	3.35%



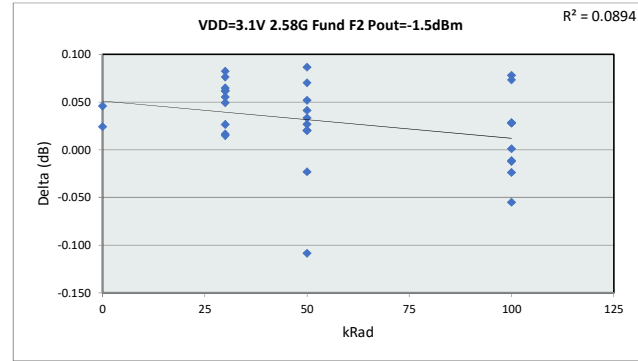
VDD=3.1V 2.58G Fund F1 Pout=				
Test Site				
Tester				
Test Number				
Max Limit		-14.06353473	dB	
Min Limit		-14.91193581	dB	
kRad	0	30	50	100
LL	-14.912	-14.912	-14.912	-14.912
Min	-14.469	-14.570	-14.565	-14.564
Average	-14.467	-14.496	-14.489	-14.483
Max	-14.464	-14.457	-14.419	-14.413
UL	-14.064	-14.064	-14.064	-14.064



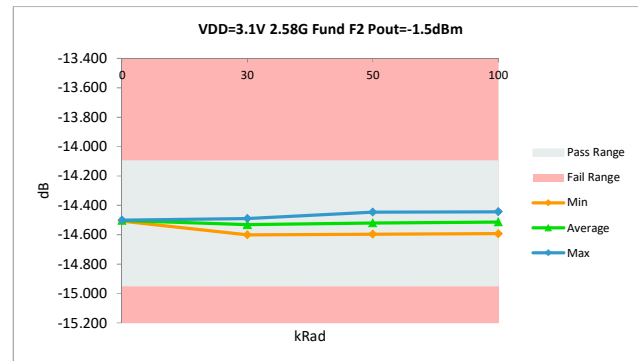
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G Fund F2 Pout=	
Test Site	
Tester	
Test Number	
Unit	
Max Limit	-14.09371896
Min Limit	-14.94751875

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.460	-14.506	0.046	-0.32%	5.38%
0	C2	-14.476	-14.500	0.024	-0.17%	2.84%
30	1	-14.533	-14.595	0.062	-0.43%	7.26%
30	2	-14.459	-14.541	0.082	-0.57%	9.65%
30	3	-14.461	-14.511	0.049	-0.34%	5.79%
30	4	-14.493	-14.509	0.016	-0.11%	1.93%
30	5	-14.516	-14.531	0.015	-0.10%	1.75%
30	6 U	-14.414	-14.491	0.076	-0.53%	8.93%
30	7 U	-14.475	-14.502	0.027	-0.18%	3.12%
30	8 U	-14.483	-14.539	0.055	-0.38%	6.48%
30	9 U	-14.539	-14.601	0.062	-0.42%	7.22%
30	10 U	-14.432	-14.497	0.065	-0.45%	7.60%
50	11	-14.470	-14.447	-0.023	0.16%	2.70%
50	12	-14.501	-14.521	0.020	-0.14%	2.39%
50	13	-14.470	-14.511	0.041	-0.29%	4.83%
50	14	-14.550	-14.570	0.020	-0.14%	2.36%
50	15	-14.545	-14.596	0.052	-0.36%	6.08%
50	16 U	-14.457	-14.490	0.033	-0.23%	3.91%
50	17 U	-14.486	-14.572	0.086	-0.60%	10.13%
50	18 U	-14.498	-14.524	0.027	-0.18%	3.13%
50	19 U	-14.429	-14.499	0.070	-0.49%	8.23%
50	20 U	-14.573	-14.464	-0.109	0.74%	12.71%
100	21	-14.487	-14.565	0.078	-0.54%	9.15%
100	22	-14.498	-14.526	0.028	-0.20%	3.33%
100	23	-14.478	-14.466	-0.012	0.09%	1.45%
100	24	-14.498	-14.443	-0.055	0.38%	6.43%
100	25	-14.535	-14.524	-0.011	0.08%	1.32%
100	26 U	-14.479	-14.507	0.028	-0.19%	3.27%
100	27 U	-14.565	-14.593	0.028	-0.19%	3.31%
100	28 U	-14.477	-14.550	0.073	-0.51%	8.57%
100	29 U	-14.481	-14.482	0.001	-0.01%	0.11%
100	30 U	-14.510	-14.486	-0.024	0.16%	2.79%
	Max	-14.414	-14.443	0.086	0.74%	12.71%
	Average	-14.491	-14.521	0.029	-0.20%	5.13%
	Min	-14.573	-14.601	-0.109	-0.60%	0.11%
	Std Dev	0.038	0.043	0.043	0.29%	3.12%



VDD=3.1V 2.58G Fund F2 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-14.09371896		dB	
Min Limit	-14.94751875		dB	
kRad	0	30	50	100
LL	-14.948	-14.948	-14.948	-14.948
Min	-14.506	-14.601	-14.596	-14.593
Average	-14.503	-14.532	-14.520	-14.514
Max	-14.500	-14.491	-14.447	-14.443
UL	-14.094	-14.094	-14.094	-14.094

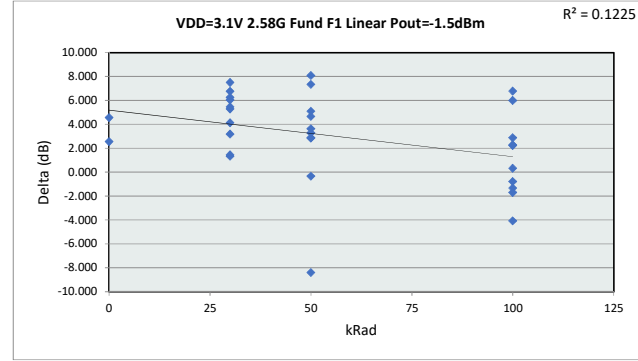


QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G Fund F1 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	390.5221157	390.5221157
Min Limit	321.1443843	321.1443843

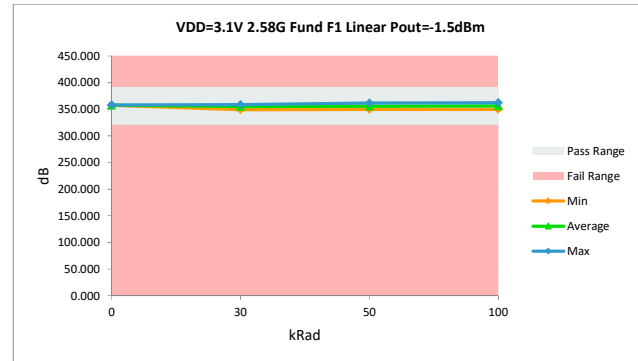
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	361.886	357.342	4.544	1.26%	6.55%
0	C2	360.309	357.761	2.548	0.71%	3.67%
30	1	355.533	350.085	5.448	1.53%	7.85%
30	2	361.355	354.606	6.749	1.87%	9.73%
30	3	361.462	357.345	4.117	1.14%	5.93%
30	4	358.735	357.307	1.429	0.40%	2.06%
30	5	356.704	355.377	1.327	0.37%	1.91%
30	6 U	365.839	358.355	7.484	2.05%	10.79%
30	7 U	360.266	357.101	3.165	0.88%	4.56%
30	8 U	359.885	354.605	5.281	1.47%	7.61%
30	9 U	355.172	349.152	6.019	1.69%	8.68%
30	10 U	364.003	357.768	6.234	1.71%	8.99%
50	11	361.113	361.466	-0.353	-0.10%	0.51%
50	12	358.497	355.638	2.859	0.80%	4.12%
50	13	360.881	356.237	4.644	1.29%	6.69%
50	14	354.259	351.421	2.838	0.80%	4.09%
50	15	354.668	349.580	5.088	1.43%	7.33%
50	16 U	361.885	358.269	3.616	1.00%	5.21%
50	17 U	359.833	351.760	8.074	2.24%	11.64%
50	18 U	358.845	355.581	3.264	0.91%	4.70%
50	19 U	364.371	357.039	7.332	2.01%	10.57%
50	20 U	351.831	360.244	-8.413	-2.39%	12.13%
100	21	358.796	352.029	6.768	1.89%	9.75%
100	22	357.453	355.227	2.226	0.62%	3.21%
100	23	359.106	360.454	-1.347	-0.38%	1.94%
100	24	357.870	361.958	-4.088	-1.14%	5.89%
100	25	354.793	355.594	-0.801	-0.23%	1.15%
100	26 U	359.059	356.787	2.272	0.63%	3.27%
100	27 U	352.513	349.644	2.869	0.81%	4.13%
100	28 U	359.404	353.426	5.978	1.66%	8.62%
100	29 U	359.338	359.029	0.309	0.09%	0.45%
100	30 U	356.760	358.476	-1.717	-0.48%	2.47%
	Max	365.839	361.958	8.074	2.24%	12.13%
	Average	358.826	355.833	2.993	0.83%	5.82%
	Min	351.831	349.152	-8.413	-2.39%	0.45%
	Std Dev	3.285	3.469	3.614	1.01%	3.37%



VDD=3.1V 2.58G Fund F1 Linear

Test Site		
Tester		
Test Number		
Max Limit	390.5221157	dB
Min Limit	321.1443843	dB

kRad	0	30	50	100
LL	321.144	321.144	321.144	321.144
Min	357.342	349.152	349.580	349.644
Average	357.552	355.170	355.723	356.262
Max	357.761	358.355	361.466	361.958
UL	390.522	390.522	390.522	390.522

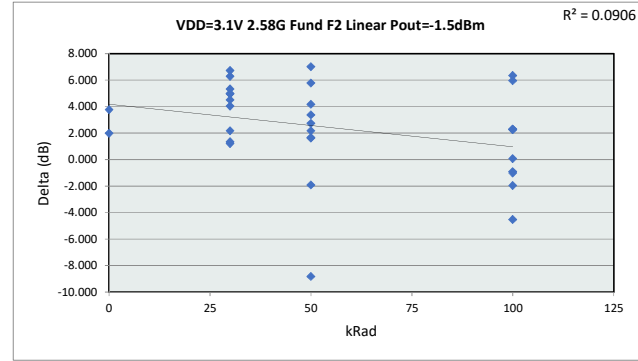


QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G Fund F2 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	387.8121489	387.8121489
Min Limit	318.4865743	318.4865743

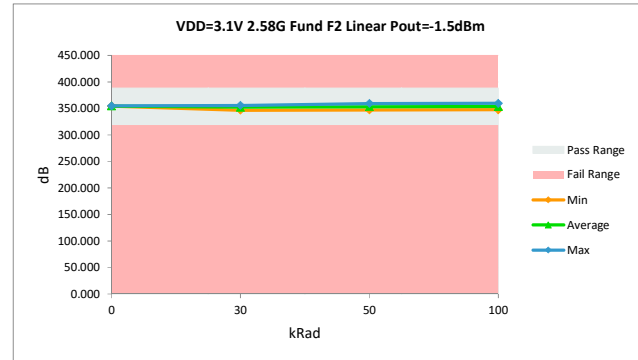
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	358.056	354.288	3.768	1.05%	5.44%
0	C2	356.774	354.789	1.985	0.56%	2.86%
30	1	352.093	347.103	4.990	1.42%	7.20%
30	2	358.172	351.444	6.728	1.88%	9.71%
30	3	358.000	353.948	4.052	1.13%	5.84%
30	4	355.418	354.071	1.347	0.38%	1.94%
30	5	353.497	352.281	1.216	0.34%	1.75%
30	6 U	361.887	355.587	6.300	1.74%	9.09%
30	7 U	356.843	354.661	2.182	0.61%	3.15%
30	8 U	356.180	351.669	4.511	1.27%	6.51%
30	9 U	351.636	346.680	4.956	1.41%	7.15%
30	10 U	360.409	355.066	5.343	1.48%	7.71%
50	11	357.296	359.200	-1.903	-0.53%	2.75%
50	12	354.760	353.096	1.664	0.47%	2.40%
50	13	357.281	353.904	3.377	0.95%	4.87%
50	14	350.732	349.107	1.625	0.46%	2.34%
50	15	351.195	347.019	4.176	1.19%	6.02%
50	16 U	358.343	355.597	2.746	0.77%	3.96%
50	17 U	355.990	348.971	7.020	1.97%	10.13%
50	18 U	355.015	352.839	2.176	0.61%	3.14%
50	19 U	360.683	354.897	5.786	1.60%	8.35%
50	20 U	348.895	357.727	-8.831	-2.53%	12.74%
100	21	355.907	349.559	6.347	1.78%	9.16%
100	22	355.012	352.698	2.314	0.65%	3.34%
100	23	356.614	357.629	-1.015	-0.28%	1.46%
100	24	354.973	359.488	-4.515	-1.27%	6.51%
100	25	351.975	352.889	-0.915	-0.26%	1.32%
100	26 U	356.559	354.275	2.283	0.64%	3.29%
100	27 U	349.566	347.298	2.267	0.65%	3.27%
100	28 U	356.736	350.773	5.963	1.67%	8.60%
100	29 U	356.347	356.271	0.076	0.02%	0.11%
100	30 U	354.009	355.957	-1.948	-0.55%	2.81%
	Max	361.887	359.488	7.020	1.97%	12.74%
	Average	355.527	353.149	2.377	0.66%	5.15%
	Min	348.895	346.680	-8.831	-2.53%	0.11%
	Std Dev	3.119	3.466	3.471	0.98%	3.13%



VDD=3.1V 2.58G Fund F2 Linear

Test Site		
Tester		
Test Number		
Max Limit	387.8121489	dB
Min Limit	318.4865743	dB

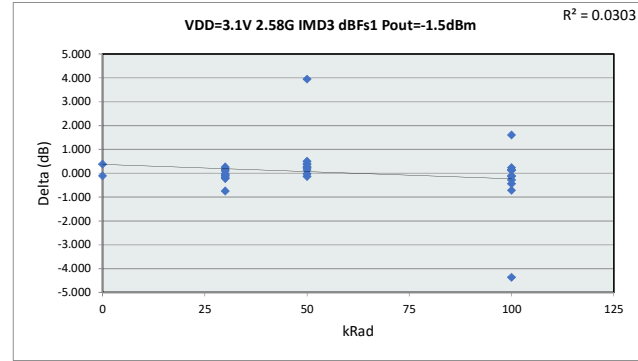
kRad	0	30	50	100
LL	318.487	318.487	318.487	318.487
Min	354.288	346.680	347.019	347.298
Average	354.538	352.251	353.236	353.684
Max	354.789	355.587	359.200	359.488
UL	387.812	387.812	387.812	387.812



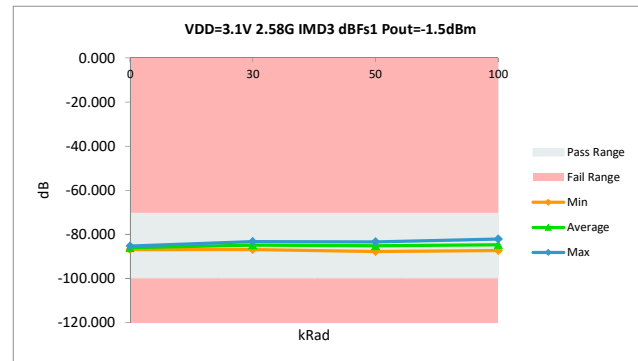
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G IMD3 dBFs1 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-70.25719832	-70.25719832
Min Limit	-99.74681903	-99.74681903

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-86.509	-86.878	0.369	-0.43%	1.25%
0	C2	-85.373	-85.253	-0.120	0.14%	0.41%
30	1	-83.368	-83.461	0.092	-0.11%	0.31%
30	2	-84.477	-84.396	-0.081	0.10%	0.28%
30	3	-83.401	-83.298	-0.103	0.12%	0.35%
30	4	-87.064	-86.857	-0.208	0.24%	0.70%
30	5	-86.270	-86.424	0.153	-0.18%	0.52%
30	6 U	-86.557	-86.806	0.249	-0.29%	0.84%
30	7 U	-84.444	-84.284	-0.161	0.19%	0.55%
30	8 U	-85.209	-84.450	-0.759	0.89%	2.57%
30	9 U	-84.362	-84.332	-0.030	0.04%	0.10%
30	10 U	-84.492	-84.267	-0.225	0.27%	0.76%
50	11	-84.694	-84.937	0.243	-0.29%	0.83%
50	12	-86.117	-86.236	0.119	-0.14%	0.40%
50	13	-84.940	-85.434	0.494	-0.58%	1.67%
50	14	-83.239	-83.628	0.389	-0.47%	1.32%
50	15	-83.024	-83.388	0.364	-0.44%	1.23%
50	16 U	-85.169	-85.425	0.256	-0.30%	0.87%
50	17 U	-86.599	-86.455	-0.144	0.17%	0.49%
50	18 U	-83.379	-83.578	0.199	-0.24%	0.67%
50	19 U	-85.583	-85.556	-0.027	0.03%	0.09%
50	20 U	-83.836	-87.778	3.942	-4.70%	13.37%
100	21	-88.224	-83.850	-4.374	4.96%	14.83%
100	22	-86.358	-86.581	0.223	-0.26%	0.76%
100	23	-84.346	-84.458	0.112	-0.13%	0.38%
100	24	-86.413	-85.961	-0.452	0.52%	1.53%
100	25	-85.747	-87.340	1.594	-1.86%	5.40%
100	26 U	-86.165	-86.034	-0.131	0.15%	0.44%
100	27 U	-82.867	-83.006	0.139	-0.17%	0.47%
100	28 U	-82.265	-82.138	-0.127	0.15%	0.43%
100	29 U	-85.174	-84.886	-0.288	0.34%	0.98%
100	30 U	-83.416	-82.691	-0.725	0.87%	2.46%
	Max	-82.265	-82.138	3.942	4.96%	14.83%
	Average	-84.971	-85.002	0.031	-0.04%	1.79%
	Min	-88.224	-87.778	-4.374	-4.70%	0.09%
	Std Dev	1.432	1.474	1.133	1.32%	3.39%



VDD=3.1V 2.58G IMD3 dBFs1				
Test Site				
Tester				
Test Number				
Max Limit	-70.25719832		dB	
Min Limit	-99.74681903		dB	
kRad	0	30	50	100
LL	-99.747	-99.747	-99.747	-99.747
Min	-86.878	-86.857	-87.778	-87.340
Average	-86.065	-84.857	-85.241	-84.695
Max	-85.253	-83.298	-83.388	-82.138
UL	-70.257	-70.257	-70.257	-70.257

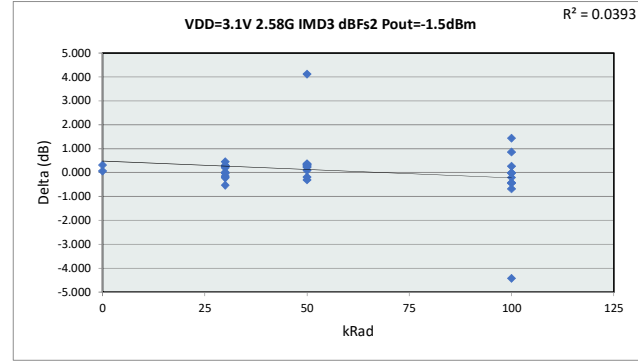


QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G IMD3 dBFs2 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-71.02550121	-71.02550121
Min Limit	-99.48140482	-99.48140482

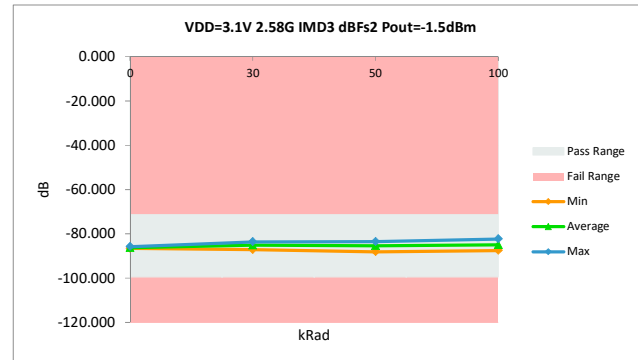
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-86.567	-86.627	0.060	-0.07%	0.21%
0	C2	-85.484	-85.794	0.309	-0.36%	1.09%
30	1	-83.624	-83.638	0.014	-0.02%	0.05%
30	2	-84.408	-84.701	0.293	-0.35%	1.03%
30	3	-83.618	-84.061	0.443	-0.53%	1.56%
30	4	-87.348	-87.129	-0.219	0.25%	0.77%
30	5	-86.297	-86.588	0.291	-0.34%	1.02%
30	6 U	-86.815	-87.011	0.196	-0.23%	0.69%
30	7 U	-84.559	-84.399	-0.161	0.19%	0.56%
30	8 U	-85.445	-84.908	-0.537	0.63%	1.89%
30	9 U	-84.529	-84.784	0.255	-0.30%	0.90%
30	10 U	-84.656	-84.622	-0.034	0.04%	0.12%
50	11	-84.954	-85.280	0.327	-0.38%	1.15%
50	12	-86.040	-86.258	0.219	-0.25%	0.77%
50	13	-85.228	-85.468	0.240	-0.28%	0.84%
50	14	-83.899	-83.980	0.081	-0.10%	0.29%
50	15	-83.279	-83.569	0.290	-0.35%	1.02%
50	16 U	-85.631	-85.441	-0.189	0.22%	0.67%
50	17 U	-86.924	-86.613	-0.312	0.36%	1.10%
50	18 U	-83.562	-83.906	0.344	-0.41%	1.21%
50	19 U	-85.475	-85.837	0.362	-0.42%	1.27%
50	20 U	-84.006	-88.122	4.115	-4.90%	14.46%
100	21	-88.457	-84.024	-4.433	5.01%	15.58%
100	22	-86.302	-87.154	0.852	-0.99%	3.00%
100	23	-84.841	-84.816	-0.025	0.03%	0.09%
100	24	-86.736	-86.050	-0.686	0.79%	2.41%
100	25	-86.055	-87.484	1.429	-1.66%	5.02%
100	26 U	-86.347	-85.917	-0.430	0.50%	1.51%
100	27 U	-82.952	-83.212	0.260	-0.31%	0.91%
100	28 U	-82.508	-82.295	-0.213	0.26%	0.75%
100	29 U	-85.268	-85.245	-0.023	0.03%	0.08%
100	30 U	-83.620	-83.176	-0.444	0.53%	1.56%
Max		-82.508	-82.295	4.115	5.01%	15.58%
Average		-85.170	-85.253	0.084	-0.11%	1.99%
Min		-88.457	-88.122	-4.433	-4.90%	0.05%
Std Dev		1.412	1.423	1.160	1.34%	3.55%



VDD=3.1V 2.58G IMD3 dBFs2

Test Site		
Tester		
Test Number		
Max Limit	-71.02550121	dB
Min Limit	-99.48140482	dB

kRad	0	30	50	100
LL	-99.481	-99.481	-99.481	-99.481
Min	-86.627	-87.129	-88.122	-87.484
Average	-86.210	-85.184	-85.447	-84.937
Max	-85.794	-83.638	-83.569	-82.295
UL	-71.026	-71.026	-71.026	-71.026

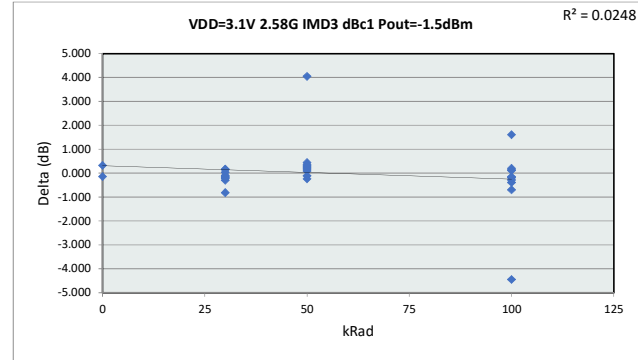


QMLP TID Report

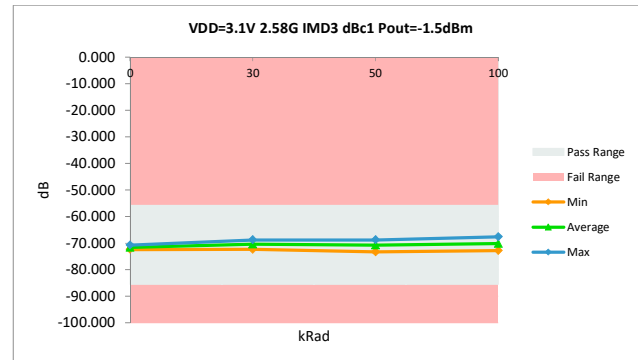
TRF0208 QMLP

VDD=3.1V 2.58G IMD3 dBc1 Po		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-55.59311871	-55.59311871
Min Limit	-85.43542905	-85.43542905

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-72.094	-72.409	0.314	-0.44%	1.05%
0	C2	-70.940	-70.789	-0.151	0.21%	0.51%
30	1	-68.877	-68.903	0.025	-0.04%	0.08%
30	2	-70.056	-69.893	-0.163	0.23%	0.55%
30	3	-68.982	-68.829	-0.152	0.22%	0.51%
30	4	-72.612	-72.387	-0.225	0.31%	0.75%
30	5	-71.793	-71.931	0.137	-0.19%	0.46%
30	6 U	-72.189	-72.349	0.159	-0.22%	0.53%
30	7 U	-70.011	-69.812	-0.199	0.28%	0.67%
30	8 U	-70.770	-69.947	-0.823	1.16%	2.76%
30	9 U	-69.867	-69.762	-0.105	0.15%	0.35%
30	10 U	-70.104	-69.803	-0.300	0.43%	1.01%
50	11	-70.270	-70.518	0.248	-0.35%	0.83%
50	12	-71.662	-71.746	0.084	-0.12%	0.28%
50	13	-70.514	-70.951	0.437	-0.62%	1.47%
50	14	-68.732	-69.086	0.354	-0.52%	1.19%
50	15	-68.523	-68.823	0.301	-0.44%	1.01%
50	16 U	-70.754	-70.967	0.213	-0.30%	0.71%
50	17 U	-72.160	-71.917	-0.243	0.34%	0.81%
50	18 U	-68.928	-69.087	0.159	-0.23%	0.53%
50	19 U	-71.199	-71.083	-0.116	0.16%	0.39%
50	20 U	-69.300	-73.344	4.044	-5.84%	13.55%
100	21	-73.772	-69.315	-4.457	6.04%	14.93%
100	22	-71.890	-72.086	0.196	-0.27%	0.66%
100	23	-69.898	-70.027	0.128	-0.18%	0.43%
100	24	-71.951	-71.548	-0.403	0.56%	1.35%
100	25	-71.247	-72.850	1.603	-2.25%	5.37%
100	26 U	-71.716	-71.558	-0.159	0.22%	0.53%
100	27 U	-68.339	-68.442	0.103	-0.15%	0.35%
100	28 U	-67.821	-67.621	-0.199	0.29%	0.67%
100	29 U	-70.729	-70.438	-0.291	0.41%	0.98%
100	30 U	-68.940	-68.236	-0.704	1.02%	2.36%
	Max	-67.821	-67.621	4.044	6.04%	14.93%
	Average	-70.520	-70.514	-0.006	0.00%	1.80%
	Min	-73.772	-73.344	-4.457	-5.84%	0.08%
	Std Dev	1.446	1.492	1.155	1.61%	3.41%



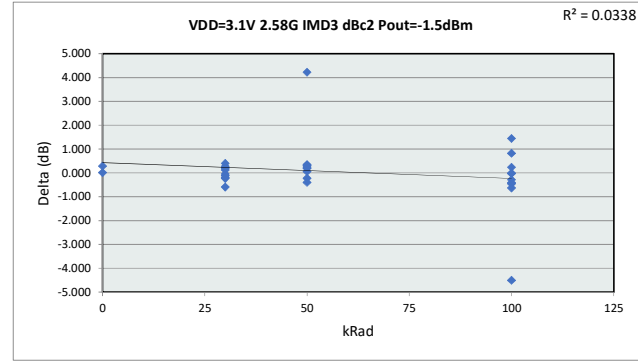
VDD=3.1V 2.58G IMD3 dBc1 P				
Test Site				
Tester				
Test Number				
Max Limit	-55.59311871		dB	
Min Limit	-85.43542905		dB	
kRad	0	30	50	100
LL	-85.435	-85.435	-85.435	-85.435
Min	-72.409	-72.387	-73.344	-72.850
Average	-71.599	-70.362	-70.752	-70.212
Max	-70.789	-68.829	-68.823	-67.621
UL	-55.593	-55.593	-55.593	-55.593



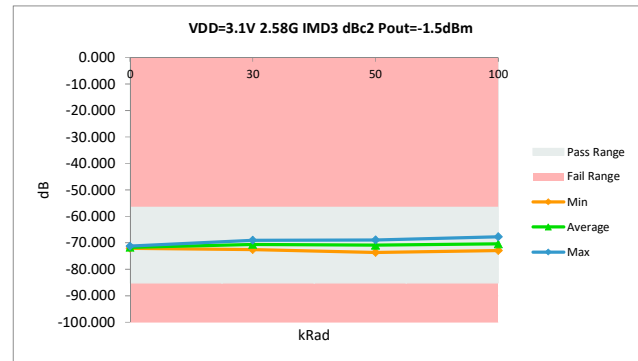
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G IMD3 dBc2 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-56.32295736	-56.32295736
Min Limit	-85.14271132	-85.14271132

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-72.107	-72.121	0.014	-0.02%	0.05%
0	C2	-71.008	-71.293	0.285	-0.40%	0.99%
30	1	-69.091	-69.043	-0.048	0.07%	0.17%
30	2	-69.949	-70.160	0.211	-0.30%	0.73%
30	3	-69.157	-69.550	0.393	-0.57%	1.36%
30	4	-72.856	-72.620	-0.235	0.32%	0.82%
30	5	-71.781	-72.057	0.276	-0.38%	0.96%
30	6 U	-72.401	-72.520	0.120	-0.17%	0.41%
30	7 U	-70.084	-69.897	-0.187	0.27%	0.65%
30	8 U	-70.962	-70.369	-0.592	0.83%	2.05%
30	9 U	-69.990	-70.183	0.194	-0.28%	0.67%
30	10 U	-70.224	-70.125	-0.099	0.14%	0.34%
50	11	-70.484	-70.834	0.350	-0.50%	1.21%
50	12	-71.539	-71.737	0.198	-0.28%	0.69%
50	13	-70.758	-70.957	0.198	-0.28%	0.69%
50	14	-69.349	-69.410	0.061	-0.09%	0.21%
50	15	-68.735	-68.972	0.238	-0.35%	0.82%
50	16 U	-71.174	-70.951	-0.223	0.31%	0.77%
50	17 U	-72.439	-72.040	-0.398	0.55%	1.38%
50	18 U	-69.065	-69.382	0.317	-0.46%	1.10%
50	19 U	-71.046	-71.338	0.292	-0.41%	1.01%
50	20 U	-69.433	-73.657	4.224	-6.08%	14.66%
100	21	-73.970	-69.459	-4.511	6.10%	15.65%
100	22	-71.804	-72.628	0.824	-1.15%	2.86%
100	23	-70.363	-70.351	-0.012	0.02%	0.04%
100	24	-72.238	-71.607	-0.631	0.87%	2.19%
100	25	-71.520	-72.961	1.440	-2.01%	5.00%
100	26 U	-71.868	-71.410	-0.458	0.64%	1.59%
100	27 U	-68.388	-68.619	0.232	-0.34%	0.80%
100	28 U	-68.031	-67.745	-0.286	0.42%	0.99%
100	29 U	-70.787	-70.763	-0.024	0.03%	0.08%
100	30 U	-69.110	-68.690	-0.420	0.61%	1.46%
	Max	-68.031	-67.745	4.224	6.10%	15.65%
	Average	-70.678	-70.733	0.054	-0.09%	1.95%
	Min	-73.970	-73.657	-4.511	-6.08%	0.04%
	Std Dev	1.426	1.441	1.182	1.65%	3.59%



VDD=3.1V 2.58G IMD3 dBc2 Pout=-1.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-56.32295736			dB
Min Limit	-85.14271132			dB
kRad	0	30	50	100
LL	-85.143	-85.143	-85.143	-85.143
Min	-72.121	-72.620	-73.657	-72.961
Average	-71.707	-70.652	-70.928	-70.423
Max	-71.293	-69.043	-68.972	-67.745
UL	-56.323	-56.323	-56.323	-56.323

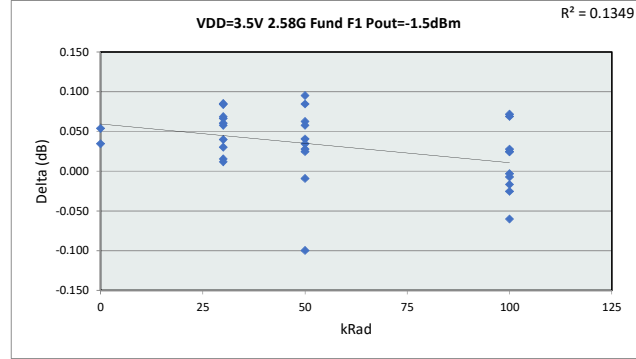


QMLP TID Report TRF0208 QMLP

VDD=3.5V 2.58G Fund F1 Pout=

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.06479707	-14.06479707
Min Limit	-14.90334073	-14.90334073

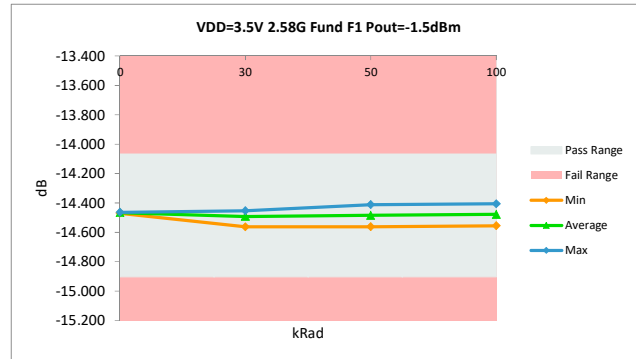
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.416	-14.470	0.054	-0.37%	6.41%
0	C2	-14.429	-14.464	0.034	-0.24%	4.11%
30	1	-14.490	-14.550	0.060	-0.42%	7.18%
30	2	-14.418	-14.503	0.085	-0.59%	10.11%
30	3	-14.424	-14.463	0.040	-0.27%	4.73%
30	4	-14.455	-14.467	0.012	-0.08%	1.40%
30	5	-14.477	-14.492	0.015	-0.11%	1.82%
30	6 U	-14.370	-14.454	0.084	-0.58%	9.99%
30	7 U	-14.437	-14.467	0.030	-0.21%	3.57%
30	8 U	-14.441	-14.498	0.057	-0.40%	6.86%
30	9 U	-14.494	-14.562	0.069	-0.47%	8.17%
30	10 U	-14.393	-14.459	0.066	-0.46%	7.91%
50	11	-14.421	-14.412	-0.009	0.06%	1.10%
50	12	-14.462	-14.489	0.027	-0.19%	3.28%
50	13	-14.425	-14.482	0.057	-0.40%	6.85%
50	14	-14.509	-14.533	0.024	-0.17%	2.92%
50	15	-14.499	-14.562	0.062	-0.43%	7.44%
50	16 U	-14.409	-14.450	0.040	-0.28%	4.82%
50	17 U	-14.440	-14.535	0.095	-0.66%	11.33%
50	18 U	-14.452	-14.486	0.034	-0.24%	4.09%
50	19 U	-14.386	-14.470	0.084	-0.59%	10.06%
50	20 U	-14.535	-14.435	-0.100	0.69%	11.92%
100	21	-14.458	-14.529	0.072	-0.49%	8.53%
100	22	-14.470	-14.494	0.024	-0.17%	2.87%
100	23	-14.448	-14.431	-0.017	0.12%	2.02%
100	24	-14.466	-14.406	-0.060	0.42%	7.19%
100	25	-14.502	-14.495	-0.008	0.05%	0.90%
100	26 U	-14.446	-14.470	0.024	-0.17%	2.92%
100	27 U	-14.528	-14.555	0.027	-0.19%	3.28%
100	28 U	-14.446	-14.514	0.069	-0.47%	8.18%
100	29 U	-14.447	-14.444	-0.003	0.02%	0.40%
100	30 U	-14.475	-14.449	-0.026	0.18%	3.05%
	Max	-14.370	-14.406	0.095	0.69%	11.92%
	Average	-14.452	-14.484	0.032	-0.22%	5.48%
	Min	-14.535	-14.562	-0.100	-0.66%	0.40%
	Std Dev	0.039	0.042	0.043	0.30%	3.28%



VDD=3.5V 2.58G Fund F1 Pout=

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.06479707	-14.06479707
Min Limit	-14.90334073	-14.90334073

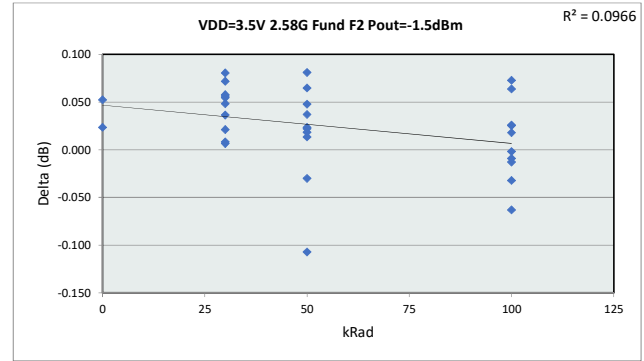
kRad	0	30	50	100
LL	-14.903	-14.903	-14.903	-14.903
Min	-14.470	-14.562	-14.562	-14.555
Average	-14.467	-14.492	-14.485	-14.479
Max	-14.464	-14.454	-14.412	-14.406
UL	-14.065	-14.065	-14.065	-14.065



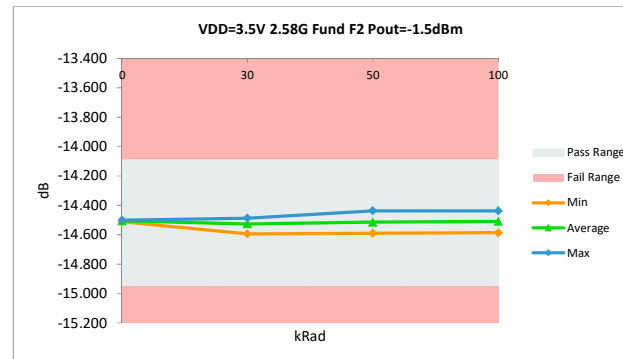
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G Fund F2 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.08676055	-14.08676055
Min Limit	-14.94524369	-14.94524369

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.459	-14.511	0.052	-0.36%	6.09%
0	C2	-14.477	-14.500	0.024	-0.16%	2.75%
30	1	-14.532	-14.589	0.058	-0.40%	6.73%
30	2	-14.458	-14.538	0.081	-0.56%	9.39%
30	3	-14.465	-14.501	0.036	-0.25%	4.24%
30	4	-14.495	-14.502	0.007	-0.05%	0.77%
30	5	-14.519	-14.527	0.008	-0.06%	0.96%
30	6 U	-14.416	-14.487	0.072	-0.50%	8.37%
30	7 U	-14.479	-14.500	0.021	-0.15%	2.47%
30	8 U	-14.483	-14.531	0.048	-0.33%	5.63%
30	9 U	-14.540	-14.595	0.055	-0.37%	6.35%
30	10 U	-14.431	-14.487	0.056	-0.39%	6.56%
50	11	-14.467	-14.437	-0.030	0.21%	3.49%
50	12	-14.505	-14.519	0.014	-0.09%	1.58%
50	13	-14.470	-14.507	0.037	-0.26%	4.31%
50	14	-14.549	-14.567	0.018	-0.13%	2.13%
50	15	-14.543	-14.591	0.048	-0.33%	5.59%
50	16 U	-14.455	-14.479	0.024	-0.16%	2.75%
50	17 U	-14.486	-14.567	0.081	-0.56%	9.46%
50	18 U	-14.496	-14.518	0.022	-0.15%	2.59%
50	19 U	-14.432	-14.497	0.065	-0.45%	7.55%
50	20 U	-14.571	-14.464	-0.107	0.74%	12.48%
100	21	-14.492	-14.564	0.073	-0.50%	8.49%
100	22	-14.498	-14.524	0.026	-0.18%	3.02%
100	23	-14.477	-14.464	-0.013	0.09%	1.51%
100	24	-14.500	-14.437	-0.063	0.43%	7.34%
100	25	-14.535	-14.526	-0.009	0.06%	1.05%
100	26 U	-14.483	-14.500	0.018	-0.12%	2.08%
100	27 U	-14.561	-14.586	0.025	-0.17%	2.95%
100	28 U	-14.478	-14.542	0.064	-0.44%	7.44%
100	29 U	-14.479	-14.477	-0.002	0.01%	0.20%
100	30 U	-14.507	-14.475	-0.032	0.22%	3.74%
	Max	-14.416	-14.437	0.081	0.74%	12.48%
	Average	-14.492	-14.516	0.024	-0.17%	4.69%
	Min	-14.571	-14.595	-0.107	-0.56%	0.20%
	Std Dev	0.038	0.043	0.042	0.29%	3.07%



VDD=3.5V 2.58G Fund F2 Pout=-				
Test Site				
Tester				
Test Number				
Max Limit	-14.08676055		dB	
Min Limit	-14.94524369		dB	
kRad	0	30	50	100
LL	-14.945	-14.945	-14.945	-14.945
Min	-14.511	-14.595	-14.591	-14.586
Average	-14.506	-14.526	-14.515	-14.510
Max	-14.500	-14.487	-14.437	-14.437
UL	-14.087	-14.087	-14.087	-14.087

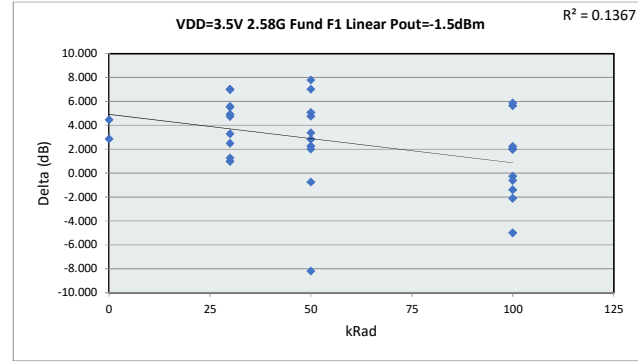


QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G Fund F1 Linea

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	390.4695465	390.4695465
Min Limit	321.7972286	321.7972286

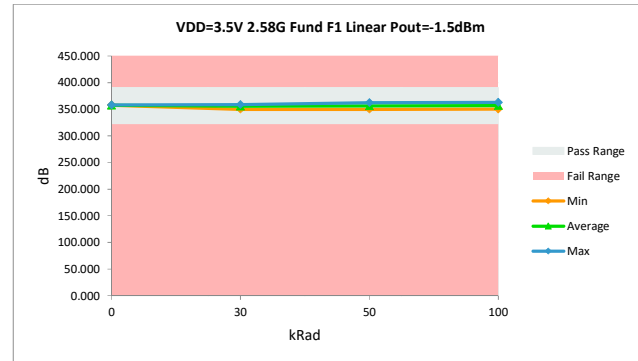
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	361.751	357.298	4.453	1.23%	6.48%
0	C2	360.626	357.779	2.847	0.79%	4.15%
30	1	355.657	350.759	4.897	1.38%	7.13%
30	2	361.590	354.602	6.988	1.93%	10.18%
30	3	361.111	357.831	3.280	0.91%	4.78%
30	4	358.470	357.506	0.964	0.27%	1.40%
30	5	356.717	355.463	1.254	0.35%	1.83%
30	6 U	365.584	358.601	6.984	1.91%	10.17%
30	7 U	360.003	357.528	2.475	0.69%	3.60%
30	8 U	359.670	354.940	4.730	1.32%	6.89%
30	9 U	355.307	349.746	5.562	1.57%	8.10%
30	10 U	363.696	358.184	5.512	1.52%	8.03%
50	11	361.329	362.101	-0.772	-0.21%	1.12%
50	12	357.947	355.688	2.259	0.63%	3.29%
50	13	361.023	356.277	4.746	1.31%	6.91%
50	14	354.107	352.118	1.989	0.56%	2.90%
50	15	354.874	349.811	5.063	1.43%	7.37%
50	16 U	362.313	358.954	3.360	0.93%	4.89%
50	17 U	359.750	351.969	7.782	2.16%	11.33%
50	18 U	358.743	355.923	2.819	0.79%	4.11%
50	19 U	364.278	357.268	7.010	1.92%	10.21%
50	20 U	352.003	360.202	-8.198	-2.33%	11.94%
100	21	358.292	352.440	5.852	1.63%	8.52%
100	22	357.310	355.334	1.977	0.55%	2.88%
100	23	359.067	360.471	-1.404	-0.39%	2.04%
100	24	357.569	362.569	-5.001	-1.40%	7.28%
100	25	354.640	355.259	-0.618	-0.17%	0.90%
100	26 U	359.278	357.260	2.018	0.56%	2.94%
100	27 U	352.561	350.336	2.224	0.63%	3.24%
100	28 U	359.263	353.635	5.629	1.57%	8.20%
100	29 U	359.140	359.414	-0.274	-0.08%	0.40%
100	30 U	356.898	359.006	-2.108	-0.59%	3.07%
Max		365.584	362.569	7.782	2.16%	11.94%
Average		358.768	356.133	2.634	0.73%	5.51%
Min		352.003	349.746	-8.198	-2.33%	0.40%
Std Dev		3.249	3.434	3.571	1.00%	3.30%



VDD=3.5V 2.58G Fund F1 Line

Test Site		
Tester		
Test Number		
Max Limit	390.4695465	dB
Min Limit	321.7972286	dB

kRad	0	30	50	100
LL	321.797	321.797	321.797	321.797
Min	357.298	349.746	349.811	350.336
Average	357.538	355.516	356.031	356.572
Max	357.779	358.601	362.101	362.569
UL	390.470	390.470	390.470	390.470

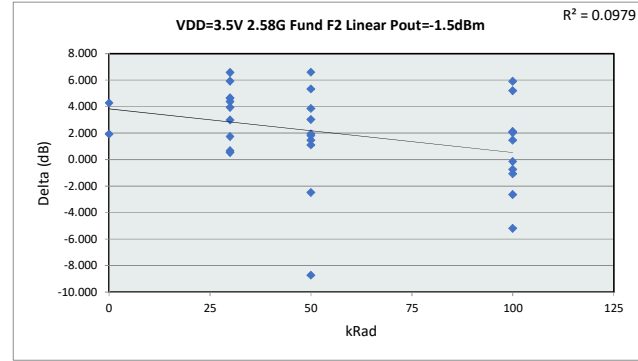


QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G Fund F2 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	388.428205	388.428205
Min Limit	318.6221128	318.6221128

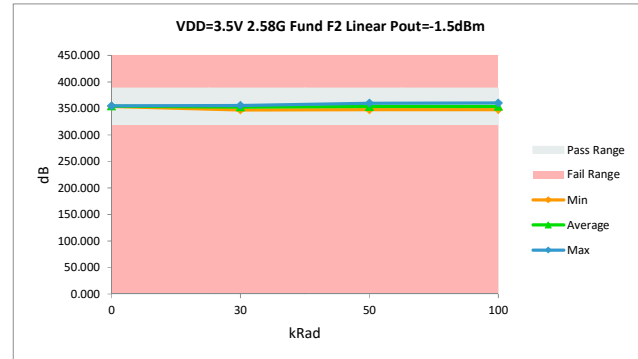
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	358.209	353.922	4.287	1.20%	6.14%
0	C2	356.710	354.777	1.933	0.54%	2.77%
30	1	352.229	347.577	4.652	1.32%	6.66%
30	2	358.296	351.707	6.589	1.84%	9.44%
30	3	357.719	354.732	2.986	0.83%	4.28%
30	4	355.222	354.679	0.543	0.15%	0.78%
30	5	353.243	352.576	0.667	0.19%	0.96%
30	6 U	361.782	355.842	5.939	1.64%	8.51%
30	7 U	356.520	354.783	1.737	0.49%	2.49%
30	8 U	356.197	352.255	3.942	1.11%	5.65%
30	9 U	351.555	347.171	4.384	1.25%	6.28%
30	10 U	360.517	355.873	4.643	1.29%	6.65%
50	11	357.522	359.996	-2.475	-0.69%	3.55%
50	12	354.365	353.260	1.105	0.31%	1.58%
50	13	357.300	354.271	3.029	0.85%	4.34%
50	14	350.816	349.343	1.473	0.42%	2.11%
50	15	351.354	347.494	3.860	1.10%	5.53%
50	16 U	358.474	356.529	1.945	0.54%	2.79%
50	17 U	355.966	349.370	6.596	1.85%	9.45%
50	18 U	355.177	353.365	1.811	0.51%	2.59%
50	19 U	360.381	355.040	5.341	1.48%	7.65%
50	20 U	349.057	357.772	-8.716	-2.50%	12.49%
100	21	355.501	349.587	5.913	1.66%	8.47%
100	22	354.959	352.846	2.113	0.60%	3.03%
100	23	356.695	357.759	-1.064	-0.30%	1.52%
100	24	354.799	359.987	-5.188	-1.46%	7.43%
100	25	351.987	352.719	-0.732	-0.21%	1.05%
100	26 U	356.246	354.782	1.463	0.41%	2.10%
100	27 U	349.867	347.831	2.035	0.58%	2.92%
100	28 U	356.600	351.395	5.205	1.46%	7.46%
100	29 U	356.539	356.680	-0.141	-0.04%	0.20%
100	30 U	354.253	356.882	-2.630	-0.74%	3.77%
	Max	361.782	359.996	6.596	1.85%	12.49%
	Average	355.502	353.525	1.977	0.55%	4.71%
	Min	349.057	347.171	-8.716	-2.50%	0.20%
	Std Dev	3.070	3.490	3.424	0.97%	3.08%



VDD=3.5V 2.58G Fund F2 Linear

Test Site		
Tester		
Test Number		
Max Limit	388.428205	dB
Min Limit	318.6221128	dB

kRad	0	30	50	100
LL	318.622	318.622	318.622	318.622
Min	353.922	347.171	347.494	347.831
Average	354.350	352.720	353.644	354.047
Max	354.777	355.873	359.996	359.987
UL	388.428	388.428	388.428	388.428

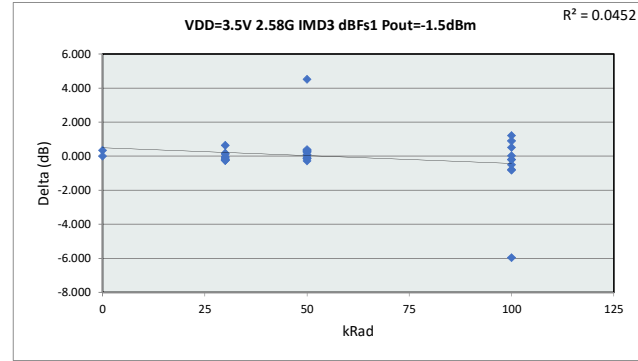


QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G IMD3 dBFs1 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-69.53676592	-69.53676592
Min Limit	-104.0080086	-104.0080086

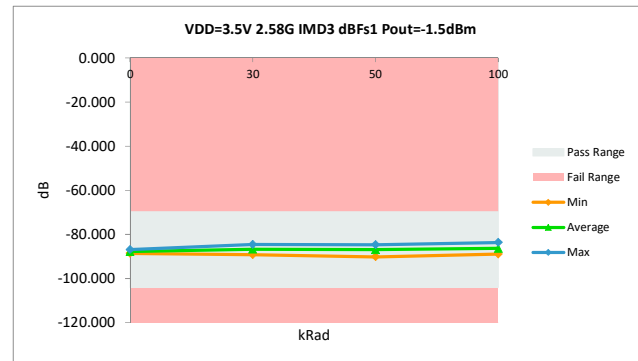
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-88.263	-88.594	0.332	-0.38%	0.96%
0	C2	-86.971	-86.961	-0.010	0.01%	0.03%
30	1	-84.849	-84.590	-0.258	0.30%	0.75%
30	2	-86.038	-86.203	0.165	-0.19%	0.48%
30	3	-85.166	-85.283	0.117	-0.14%	0.34%
30	4	-89.431	-89.240	-0.191	0.21%	0.55%
30	5	-88.442	-89.067	0.625	-0.71%	1.81%
30	6 U	-88.941	-88.753	-0.188	0.21%	0.55%
30	7 U	-85.824	-85.780	-0.044	0.05%	0.13%
30	8 U	-86.776	-86.530	-0.246	0.28%	0.71%
30	9 U	-85.936	-85.692	-0.244	0.28%	0.71%
30	10 U	-86.443	-86.375	-0.068	0.08%	0.20%
50	11	-86.598	-86.445	-0.152	0.18%	0.44%
50	12	-88.142	-88.428	0.286	-0.32%	0.83%
50	13	-86.784	-87.097	0.313	-0.36%	0.91%
50	14	-85.311	-85.025	-0.286	0.34%	0.83%
50	15	-84.336	-84.708	0.372	-0.44%	1.08%
50	16 U	-86.762	-86.624	-0.138	0.16%	0.40%
50	17 U	-88.442	-88.376	-0.066	0.08%	0.19%
50	18 U	-85.113	-85.196	0.083	-0.10%	0.24%
50	19 U	-87.455	-87.682	0.227	-0.26%	0.66%
50	20 U	-85.691	-90.198	4.508	-5.26%	13.08%
100	21	-91.703	-85.731	-5.972	6.51%	17.32%
100	22	-88.065	-88.562	0.497	-0.56%	1.44%
100	23	-85.652	-86.536	0.883	-1.03%	2.56%
100	24	-88.596	-87.767	-0.829	0.94%	2.40%
100	25	-87.792	-88.988	1.196	-1.36%	3.47%
100	26 U	-88.198	-87.985	-0.213	0.24%	0.62%
100	27 U	-84.362	-84.151	-0.211	0.25%	0.61%
100	28 U	-83.656	-83.667	0.012	-0.01%	0.03%
100	29 U	-86.965	-86.457	-0.508	0.58%	1.47%
100	30 U	-84.824	-84.025	-0.799	0.94%	2.32%
	Max	-83.656	-83.667	4.508	6.51%	17.32%
	Average	-86.798	-86.772	-0.025	0.02%	1.82%
	Min	-91.703	-90.198	-5.972	-5.26%	0.03%
	Std Dev	1.755	1.724	1.407	1.58%	3.64%



VDD=3.5V 2.58G IMD3 dBFs1

Test Site	
Tester	
Test Number	
Max Limit	-69.53676592 dB
Min Limit	-104.0080086 dB

kRad	0	30	50	100
LL	-104.008	-104.008	-104.008	-104.008
Min	-88.594	-89.240	-90.198	-88.988
Average	-87.778	-86.751	-86.978	-86.387
Max	-86.961	-84.590	-84.708	-83.667
UL	-69.537	-69.537	-69.537	-69.537

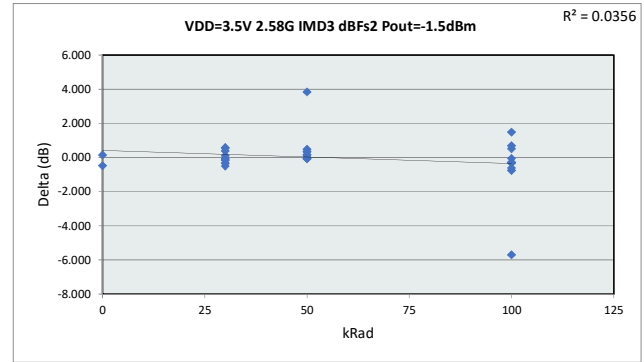


QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G IMD3 dBFs2 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-70.22644359	-70.22644359
Min Limit	-103.6523668	-103.6523668

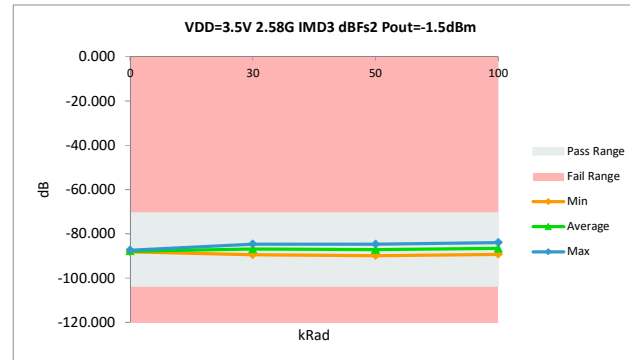
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-88.697	-88.206	-0.490	0.55%	1.47%
0	C2	-87.236	-87.374	0.138	-0.16%	0.41%
30	1	-84.768	-84.691	-0.077	0.09%	0.23%
30	2	-85.762	-86.301	0.539	-0.63%	1.61%
30	3	-85.443	-85.541	0.098	-0.12%	0.29%
30	4	-89.717	-89.548	-0.169	0.19%	0.50%
30	5	-88.469	-89.038	0.569	-0.64%	1.70%
30	6 U	-89.065	-88.911	-0.154	0.17%	0.46%
30	7 U	-86.045	-86.416	0.371	-0.43%	1.11%
30	8 U	-86.729	-86.386	-0.343	0.40%	1.03%
30	9 U	-86.335	-85.990	-0.344	0.40%	1.03%
30	10 U	-86.861	-86.351	-0.511	0.59%	1.53%
50	11	-86.694	-87.025	0.331	-0.38%	0.99%
50	12	-88.605	-88.748	0.143	-0.16%	0.43%
50	13	-87.013	-86.927	-0.087	0.10%	0.26%
50	14	-85.279	-85.443	0.164	-0.19%	0.49%
50	15	-84.811	-84.745	-0.065	0.08%	0.20%
50	16 U	-86.913	-86.881	-0.032	0.04%	0.10%
50	17 U	-88.298	-88.633	0.335	-0.38%	1.00%
50	18 U	-85.261	-85.261	-0.001	0.00%	0.00%
50	19 U	-87.367	-87.841	0.474	-0.54%	1.42%
50	20 U	-86.058	-89.888	3.831	-4.45%	11.46%
100	21	-91.344	-85.633	-5.711	6.25%	17.08%
100	22	-88.312	-88.988	0.675	-0.76%	2.02%
100	23	-85.952	-86.452	0.500	-0.58%	1.50%
100	24	-88.686	-87.910	-0.776	0.88%	2.32%
100	25	-87.772	-89.248	1.476	-1.68%	4.42%
100	26 U	-88.332	-88.042	-0.290	0.33%	0.87%
100	27 U	-84.958	-84.628	-0.331	0.39%	0.99%
100	28 U	-84.306	-84.006	-0.300	0.36%	0.90%
100	29 U	-86.840	-86.776	-0.064	0.07%	0.19%
100	30 U	-84.864	-84.234	-0.630	0.74%	1.88%
	Max	-84.306	-84.006	3.831	6.25%	17.08%
	Average	-86.962	-86.939	-0.023	0.02%	1.87%
	Min	-91.344	-89.888	-5.711	-4.45%	0.00%
	Std Dev	1.667	1.671	1.314	1.47%	3.44%



VDD=3.5V 2.58G IMD3 dBFs2

Test Site		
Tester		
Test Number		
Max Limit	-70.22644359	dB
Min Limit	-103.6523668	dB

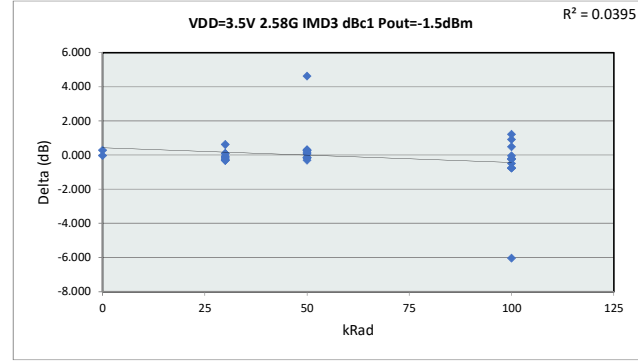
kRad	0	30	50	100
LL	-103.652	-103.652	-103.652	-103.652
Min	-88.206	-89.548	-89.888	-89.248
Average	-87.790	-86.917	-87.139	-86.591
Max	-87.374	-84.691	-84.745	-84.006
UL	-70.226	-70.226	-70.226	-70.226



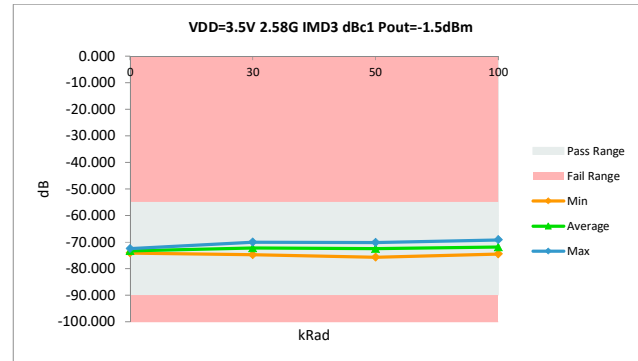
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G IMD3 dBc1 Pout=-1.5dBm		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-54.88530946	-54.88530946
Min Limit	-89.69132685	-89.69132685

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-73.847	-74.125	0.278	-0.38%	0.80%
0	C2	-72.542	-72.497	-0.044	0.06%	0.13%
30	1	-70.359	-70.041	-0.318	0.45%	0.91%
30	2	-71.620	-71.701	0.080	-0.11%	0.23%
30	3	-70.742	-70.820	0.077	-0.11%	0.22%
30	4	-74.976	-74.773	-0.203	0.27%	0.58%
30	5	-73.965	-74.574	0.609	-0.82%	1.75%
30	6 U	-74.571	-74.299	-0.272	0.36%	0.78%
30	7 U	-71.387	-71.313	-0.074	0.10%	0.21%
30	8 U	-72.335	-72.031	-0.303	0.42%	0.87%
30	9 U	-71.442	-71.130	-0.312	0.44%	0.90%
30	10 U	-72.050	-71.916	-0.135	0.19%	0.39%
50	11	-72.177	-72.034	-0.143	0.20%	0.41%
50	12	-73.680	-73.939	0.258	-0.35%	0.74%
50	13	-72.360	-72.615	0.255	-0.35%	0.73%
50	14	-70.802	-70.492	-0.311	0.44%	0.89%
50	15	-69.836	-70.146	0.310	-0.44%	0.89%
50	16 U	-72.353	-72.174	-0.179	0.25%	0.51%
50	17 U	-74.002	-73.841	-0.161	0.22%	0.46%
50	18 U	-70.661	-70.710	0.049	-0.07%	0.14%
50	19 U	-73.069	-73.212	0.143	-0.20%	0.41%
50	20 U	-71.156	-75.764	4.608	-6.48%	13.24%
100	21	-77.245	-71.201	-6.044	7.82%	17.36%
100	22	-73.595	-74.068	0.472	-0.64%	1.36%
100	23	-71.204	-72.105	0.900	-1.26%	2.59%
100	24	-74.130	-73.361	-0.769	1.04%	2.21%
100	25	-73.290	-74.493	1.203	-1.64%	3.46%
100	26 U	-73.752	-73.515	-0.237	0.32%	0.68%
100	27 U	-69.835	-69.596	-0.239	0.34%	0.69%
100	28 U	-69.210	-69.153	-0.057	0.08%	0.16%
100	29 U	-72.518	-72.013	-0.505	0.70%	1.45%
100	30 U	-70.349	-69.576	-0.774	1.10%	2.22%
	Max	-69.210	-69.153	4.608	7.82%	17.36%
	Average	-72.346	-72.288	-0.057	0.06%	1.82%
	Min	-77.245	-75.764	-6.044	-6.48%	0.13%
	Std Dev	1.767	1.740	1.426	1.91%	3.66%



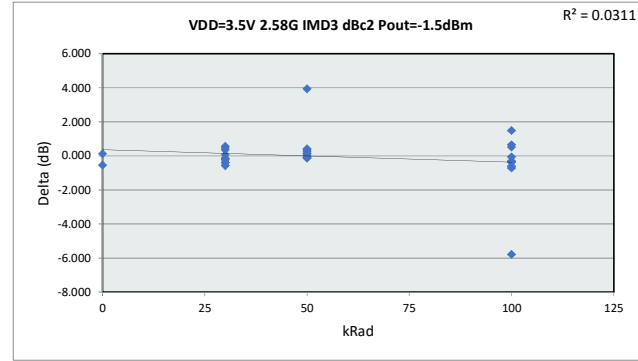
VDD=3.5V 2.58G IMD3 dBc1 Pout=-1.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-54.88530946		dB	
Min Limit	-89.69132685		dB	
kRad	0	30	50	100
LL	-89.691	-89.691	-89.691	-89.691
Min	-74.125	-74.773	-75.764	-74.493
Average	-73.311	-72.260	-72.493	-71.908
Max	-72.497	-70.041	-70.146	-69.153
UL	-54.885	-54.885	-54.885	-54.885



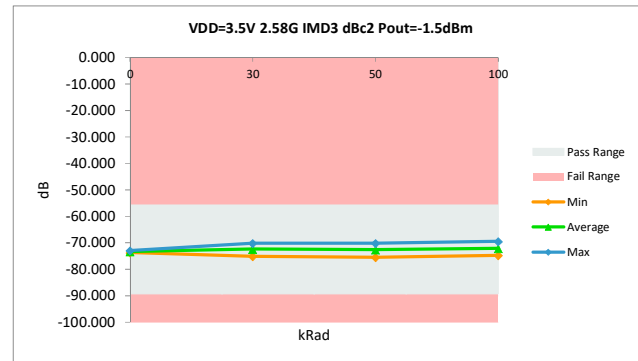
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G IMD3 dBc2 Po		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-55.54379696	-55.54379696
Min Limit	-89.30300957	-89.30300957

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-74.238	-73.696	-0.542	0.73%	1.61%
0	C2	-72.759	-72.874	0.114	-0.16%	0.34%
30	1	-70.236	-70.101	-0.135	0.19%	0.40%
30	2	-71.304	-71.763	0.459	-0.64%	1.36%
30	3	-70.978	-71.040	0.062	-0.09%	0.18%
30	4	-75.222	-75.047	-0.175	0.23%	0.52%
30	5	-73.950	-74.510	0.560	-0.76%	1.66%
30	6 U	-74.650	-74.424	-0.226	0.30%	0.67%
30	7 U	-71.566	-71.916	0.350	-0.49%	1.04%
30	8 U	-72.245	-71.854	-0.391	0.54%	1.16%
30	9 U	-71.795	-71.396	-0.399	0.56%	1.18%
30	10 U	-72.431	-71.864	-0.567	0.78%	1.68%
50	11	-72.227	-72.588	0.361	-0.50%	1.07%
50	12	-74.100	-74.229	0.130	-0.18%	0.38%
50	13	-72.544	-72.420	-0.123	0.17%	0.37%
50	14	-70.730	-70.876	0.146	-0.21%	0.43%
50	15	-70.268	-70.155	-0.113	0.16%	0.34%
50	16 U	-72.458	-72.402	-0.056	0.08%	0.17%
50	17 U	-73.812	-74.066	0.254	-0.34%	0.75%
50	18 U	-70.766	-70.743	-0.023	0.03%	0.07%
50	19 U	-72.935	-73.344	0.409	-0.56%	1.21%
50	20 U	-71.487	-75.424	3.938	-5.51%	11.66%
100	21	-76.852	-71.069	-5.784	7.53%	17.13%
100	22	-73.814	-74.464	0.649	-0.88%	1.92%
100	23	-71.475	-71.988	0.513	-0.72%	1.52%
100	24	-74.186	-73.473	-0.713	0.96%	2.11%
100	25	-73.237	-74.722	1.485	-2.03%	4.40%
100	26 U	-73.849	-73.541	-0.308	0.42%	0.91%
100	27 U	-70.397	-70.041	-0.356	0.51%	1.05%
100	28 U	-69.827	-69.464	-0.364	0.52%	1.08%
100	29 U	-72.361	-72.298	-0.063	0.09%	0.19%
100	30 U	-70.357	-69.759	-0.598	0.85%	1.77%
	Max	-69.827	-69.464	3.938	7.53%	17.13%
	Average	-72.470	-72.423	-0.047	0.05%	1.89%
	Min	-76.852	-75.424	-5.784	-5.51%	0.07%
	Std Dev	1.678	1.688	1.333	1.78%	3.46%



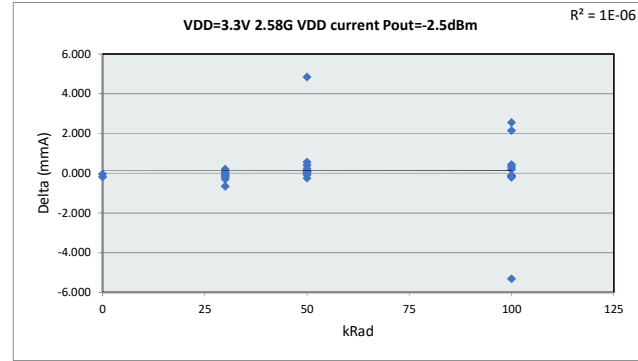
VDD=3.5V 2.58G IMD3 dBc2 P				
Test Site				
Tester				
Test Number				
Max Limit	-55.54379696		dB	
Min Limit	-89.30300957		dB	
kRad	0	30	50	100
LL	-89.303	-89.303	-89.303	-89.303
Min	-73.696	-75.047	-75.424	-74.722
Average	-73.285	-72.391	-72.625	-72.082
Max	-72.874	-70.101	-70.155	-69.464
UL	-55.544	-55.544	-55.544	-55.544



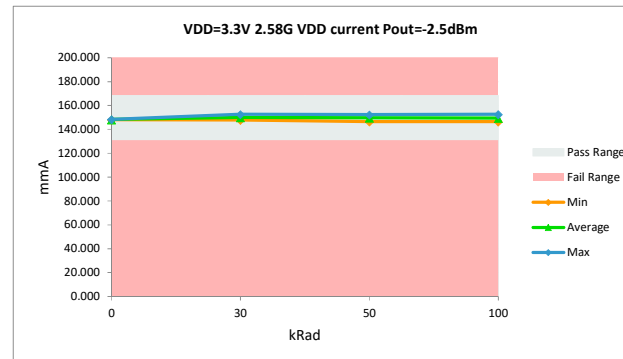
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G VDD current P		
Test Site		
Tester		
Test Number		
Unit	mmA	mmA
Max Limit	168.2442165	168.2442165
Min Limit	131.0497002	131.0497002

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	148.319	148.491	-0.172	-0.12%	0.46%
0	C2	148.047	148.074	-0.027	-0.02%	0.07%
30	1	149.786	149.871	-0.085	-0.06%	0.23%
30	2	149.603	149.693	-0.090	-0.06%	0.24%
30	3	152.388	152.668	-0.280	-0.18%	0.75%
30	4	147.625	147.805	-0.180	-0.12%	0.48%
30	5	152.057	151.952	0.105	0.07%	0.28%
30	6 U	148.758	148.901	-0.143	-0.10%	0.39%
30	7 U	149.939	149.719	0.220	0.15%	0.59%
30	8 U	148.239	148.880	-0.641	-0.43%	1.72%
30	9 U	151.280	151.357	-0.077	-0.05%	0.21%
30	10 U	149.899	149.858	0.041	0.03%	0.11%
50	11	149.030	148.453	0.577	0.39%	1.55%
50	12	152.365	151.935	0.430	0.28%	1.16%
50	13	148.859	148.740	0.119	0.08%	0.32%
50	14	150.319	150.171	0.147	0.10%	0.40%
50	15	152.386	152.266	0.119	0.08%	0.32%
50	16 U	146.246	146.477	-0.231	-0.16%	0.62%
50	17 U	150.230	150.284	-0.054	-0.04%	0.15%
50	18 U	151.599	151.343	0.256	0.17%	0.69%
50	19 U	149.792	149.768	0.024	0.02%	0.06%
50	20 U	152.623	147.760	4.863	3.19%	13.08%
100	21	147.202	152.492	-5.290	-3.59%	14.22%
100	22	148.406	148.066	0.340	0.23%	0.91%
100	23	148.731	148.280	0.451	0.30%	1.21%
100	24	149.121	146.550	2.571	1.72%	6.91%
100	25	150.282	148.114	2.168	1.44%	5.83%
100	26 U	146.982	147.076	-0.093	-0.06%	0.25%
100	27 U	152.722	152.504	0.219	0.14%	0.59%
100	28 U	152.378	152.556	-0.178	-0.12%	0.48%
100	29 U	148.195	148.301	-0.106	-0.07%	0.29%
100	30 U	150.140	150.299	-0.159	-0.11%	0.43%
	Max	152.722	152.668	4.863	3.19%	14.22%
	Average	149.798	149.647	0.151	0.10%	1.72%
	Min	146.246	146.477	-5.290	-3.59%	0.06%
	Std Dev	1.822	1.860	1.437	0.96%	3.47%



VDD=3.3V 2.58G VDD current P				
Test Site				
Tester				
Test Number				
Max Limit	168.2442165	mmA		
Min Limit	131.0497002	mmA		
kRad	0	30	50	100
LL	131.050	131.050	131.050	131.050
Min	148.074	147.805	146.477	146.550
Average	148.282	150.070	149.720	149.424
Max	148.491	152.668	152.266	152.556
UL	168.244	168.244	168.244	168.244



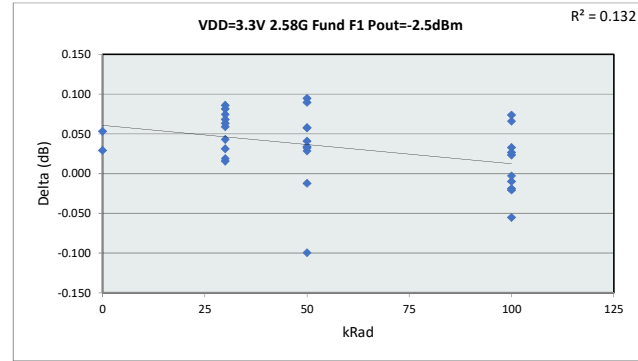
QMLP TID Report

TRF0208 QMLP

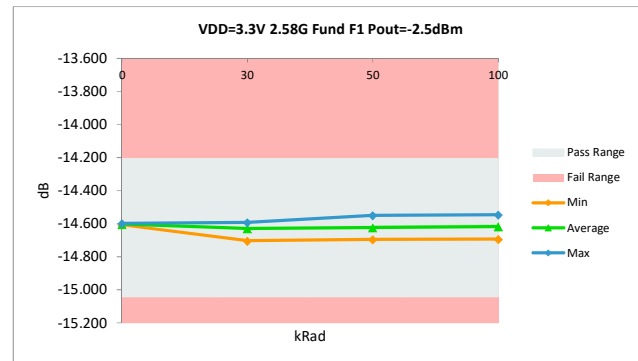
VDD=3.3V 2.58G Fund F1 Pout=

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.20263969	-14.20263969
Min Limit	-15.0409276	-15.0409276

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.553	-14.606	0.054	-0.37%	6.40%
0	C2	-14.568	-14.598	0.030	-0.21%	3.57%
30	1	-14.626	-14.689	0.064	-0.44%	7.61%
30	2	-14.557	-14.639	0.082	-0.56%	9.77%
30	3	-14.558	-14.602	0.044	-0.30%	5.19%
30	4	-14.587	-14.607	0.019	-0.13%	2.31%
30	5	-14.611	-14.627	0.016	-0.11%	1.93%
30	6 U	-14.506	-14.592	0.086	-0.60%	10.31%
30	7 U	-14.571	-14.603	0.032	-0.22%	3.78%
30	8 U	-14.578	-14.637	0.060	-0.41%	7.11%
30	9 U	-14.628	-14.703	0.075	-0.51%	8.94%
30	10 U	-14.525	-14.594	0.069	-0.47%	8.20%
50	11	-14.561	-14.549	-0.012	0.08%	1.40%
50	12	-14.597	-14.629	0.033	-0.22%	3.92%
50	13	-14.563	-14.621	0.058	-0.40%	6.96%
50	14	-14.646	-14.675	0.029	-0.20%	3.46%
50	15	-14.638	-14.696	0.058	-0.40%	6.91%
50	16 U	-14.546	-14.588	0.041	-0.29%	4.95%
50	17 U	-14.578	-14.673	0.095	-0.65%	11.36%
50	18 U	-14.590	-14.624	0.035	-0.24%	4.13%
50	19 U	-14.521	-14.611	0.090	-0.62%	10.75%
50	20 U	-14.671	-14.572	-0.099	0.67%	11.81%
100	21	-14.593	-14.667	0.074	-0.51%	8.84%
100	22	-14.604	-14.631	0.027	-0.19%	3.23%
100	23	-14.585	-14.567	-0.018	0.13%	2.19%
100	24	-14.601	-14.546	-0.055	0.37%	6.51%
100	25	-14.637	-14.628	-0.009	0.06%	1.11%
100	26 U	-14.586	-14.610	0.024	-0.16%	2.85%
100	27 U	-14.660	-14.693	0.033	-0.23%	3.99%
100	28 U	-14.582	-14.648	0.067	-0.46%	7.94%
100	29 U	-14.585	-14.583	-0.002	0.02%	0.28%
100	30 U	-14.610	-14.590	-0.020	0.14%	2.42%
	Max	-14.506	-14.546	0.095	0.67%	11.81%
	Average	-14.588	-14.622	0.034	-0.23%	5.63%
	Min	-14.671	-14.703	-0.099	-0.65%	0.28%
	Std Dev	0.039	0.042	0.043	0.30%	3.26%



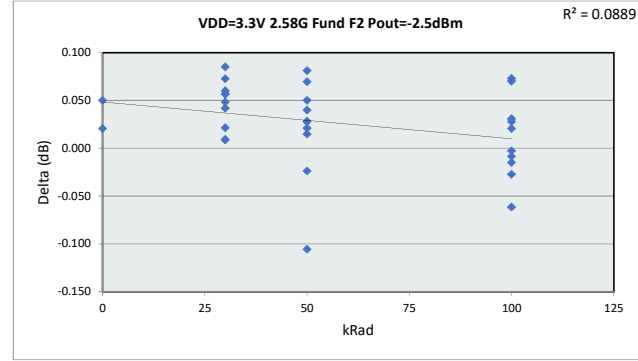
VDD=3.3V 2.58G Fund F1 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-14.20263969	dB		
Min Limit	-15.0409276	dB		
kRad	0	30	50	100
LL	-15.041	-15.041	-15.041	-15.041
Min	-14.606	-14.703	-14.696	-14.693
Average	-14.602	-14.629	-14.624	-14.616
Max	-14.598	-14.592	-14.549	-14.546
UL	-14.203	-14.203	-14.203	-14.203



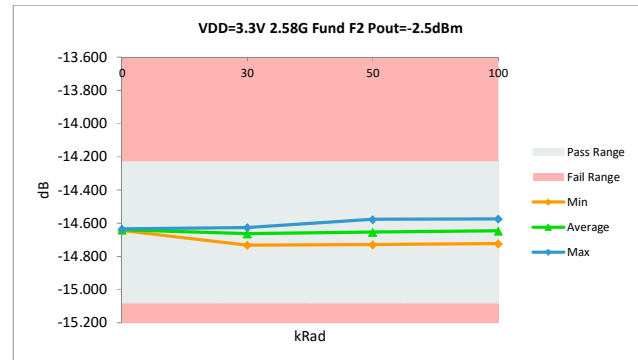
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G Fund F2 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.22630444	-14.22630444
Min Limit	-15.08072731	-15.08072731

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.594	-14.645	0.051	-0.35%	5.92%
0	C2	-14.613	-14.635	0.021	-0.14%	2.47%
30	1	-14.668	-14.725	0.057	-0.39%	6.66%
30	2	-14.594	-14.680	0.086	-0.59%	10.01%
30	3	-14.596	-14.639	0.042	-0.29%	4.96%
30	4	-14.629	-14.638	0.009	-0.06%	1.07%
30	5	-14.654	-14.664	0.010	-0.07%	1.12%
30	6 U	-14.552	-14.625	0.073	-0.50%	8.54%
30	7 U	-14.615	-14.636	0.022	-0.15%	2.56%
30	8 U	-14.618	-14.667	0.049	-0.33%	5.71%
30	9 U	-14.672	-14.733	0.060	-0.41%	7.06%
30	10 U	-14.568	-14.625	0.057	-0.39%	6.69%
50	11	-14.601	-14.577	-0.023	0.16%	2.73%
50	12	-14.638	-14.659	0.022	-0.15%	2.52%
50	13	-14.604	-14.644	0.040	-0.28%	4.72%
50	14	-14.687	-14.703	0.015	-0.10%	1.79%
50	15	-14.678	-14.728	0.051	-0.35%	5.93%
50	16 U	-14.591	-14.620	0.029	-0.20%	3.36%
50	17 U	-14.625	-14.707	0.082	-0.56%	9.56%
50	18 U	-14.629	-14.657	0.028	-0.19%	3.29%
50	19 U	-14.567	-14.637	0.070	-0.48%	8.19%
50	20 U	-14.705	-14.600	-0.105	0.72%	12.31%
100	21	-14.627	-14.700	0.073	-0.50%	8.60%
100	22	-14.631	-14.662	0.031	-0.21%	3.67%
100	23	-14.612	-14.597	-0.014	0.10%	1.70%
100	24	-14.635	-14.574	-0.061	0.42%	7.15%
100	25	-14.669	-14.661	-0.008	0.06%	0.95%
100	26 U	-14.618	-14.639	0.021	-0.14%	2.47%
100	27 U	-14.694	-14.722	0.028	-0.19%	3.31%
100	28 U	-14.611	-14.681	0.071	-0.48%	8.26%
100	29 U	-14.617	-14.615	-0.002	0.02%	0.26%
100	30 U	-14.642	-14.615	-0.027	0.18%	3.14%
	Max	-14.552	-14.574	0.086	0.72%	12.31%
	Average	-14.627	-14.654	0.027	-0.18%	4.90%
	Min	-14.705	-14.733	-0.105	-0.59%	0.26%
	Std Dev	0.037	0.043	0.042	0.29%	3.09%



VDD=3.3V 2.58G Fund F2 Pout=-				
Test Site				
Tester				
Test Number				
Max Limit	-14.22630444	dB		
Min Limit	-15.08072731	dB		
kRad	0	30	50	100
LL	-15.081	-15.081	-15.081	-15.081
Min	-14.645	-14.733	-14.728	-14.722
Average	-14.640	-14.663	-14.653	-14.647
Max	-14.635	-14.625	-14.577	-14.574
UL	-14.226	-14.226	-14.226	-14.226

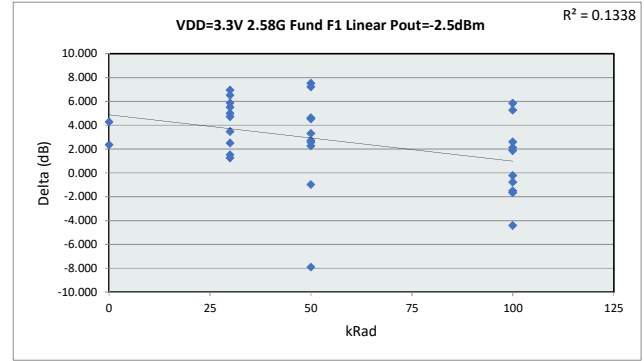


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G Fund F1 Linea

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	378.2679988	378.2679988
Min Limit	311.7671345	311.7671345

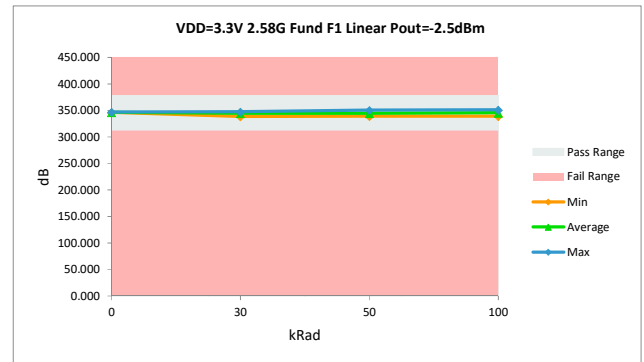
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	350.524	346.220	4.304	1.23%	6.47%
0	C2	349.301	346.905	2.395	0.69%	3.60%
30	1	344.693	339.668	5.025	1.46%	7.56%
30	2	350.213	343.670	6.543	1.87%	9.84%
30	3	350.069	346.577	3.492	1.00%	5.25%
30	4	347.758	346.212	1.546	0.44%	2.32%
30	5	345.861	344.576	1.284	0.37%	1.93%
30	6 U	354.339	347.355	6.984	1.97%	10.50%
30	7 U	349.028	346.489	2.539	0.73%	3.82%
30	8 U	348.518	343.768	4.750	1.36%	7.14%
30	9 U	344.503	338.610	5.893	1.71%	8.86%
30	10 U	352.755	347.219	5.536	1.57%	8.33%
50	11	349.894	350.840	-0.946	-0.27%	1.42%
50	12	347.009	344.396	2.613	0.75%	3.93%
50	13	349.733	345.067	4.666	1.33%	7.02%
50	14	343.121	340.836	2.285	0.67%	3.44%
50	15	343.745	339.189	4.556	1.33%	6.85%
50	16 U	351.051	347.716	3.335	0.95%	5.02%
50	17 U	348.532	340.973	7.559	2.17%	11.37%
50	18 U	347.567	344.804	2.763	0.79%	4.15%
50	19 U	353.123	345.871	7.251	2.05%	10.90%
50	20 U	341.081	348.946	-7.865	-2.31%	11.83%
100	21	347.322	341.444	5.879	1.69%	8.84%
100	22	346.451	344.299	2.152	0.62%	3.24%
100	23	347.939	349.412	-1.473	-0.42%	2.22%
100	24	346.695	351.077	-4.381	-1.26%	6.59%
100	25	343.765	344.501	-0.736	-0.21%	1.11%
100	26 U	347.878	345.970	1.908	0.55%	2.87%
100	27 U	342.010	339.388	2.622	0.77%	3.94%
100	28 U	348.208	342.913	5.295	1.52%	7.96%
100	29 U	347.924	348.113	-0.190	-0.05%	0.28%
100	30 U	345.917	347.538	-1.622	-0.47%	2.44%
	Max	354.339	351.077	7.559	2.17%	11.83%
	Average	347.704	345.018	2.686	0.77%	5.66%
	Min	341.081	338.610	-7.865	-2.31%	0.28%
	Std Dev	3.124	3.325	3.450	0.99%	3.27%



VDD=3.3V 2.58G Fund F1 Line

Test Site		
Tester		
Test Number		
Max Limit	378.2679988	dB
Min Limit	311.7671345	dB

kRad	0	30	50	100
LL	311.767	311.767	311.767	311.767
Min	346.220	338.610	339.189	339.388
Average	346.563	344.414	344.864	345.465
Max	346.905	347.355	350.840	351.077
UL	378.268	378.268	378.268	378.268

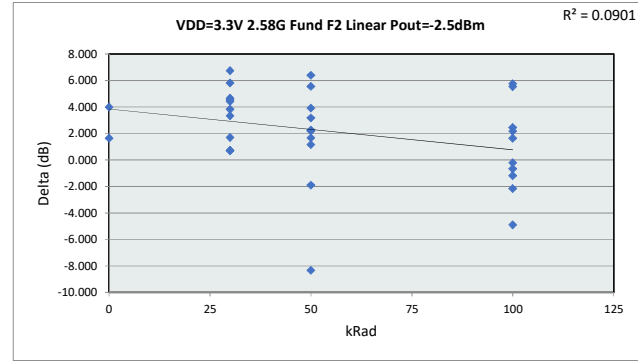


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G Fund F2 Linea

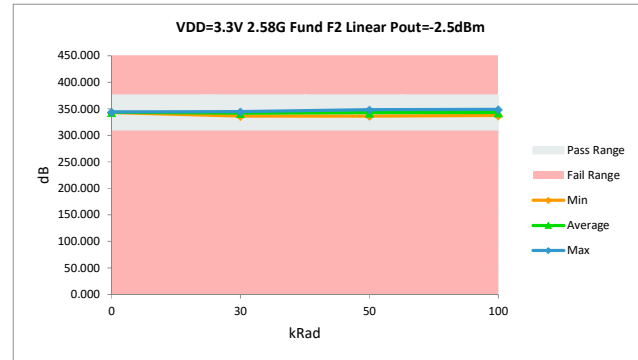
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	376.1623726	376.1623726
Min Limit	308.8505115	308.8505115

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	347.207	343.185	4.022	1.16%	5.97%
0	C2	345.662	343.985	1.677	0.49%	2.49%
30	1	341.341	336.896	4.445	1.30%	6.60%
30	2	347.216	340.446	6.770	1.95%	10.06%
30	3	347.021	343.651	3.369	0.97%	5.01%
30	4	344.400	343.677	0.722	0.21%	1.07%
30	5	342.421	341.668	0.754	0.22%	1.12%
30	6 U	350.557	344.716	5.841	1.67%	8.68%
30	7 U	345.573	343.838	1.734	0.50%	2.58%
30	8 U	345.282	341.426	3.856	1.12%	5.73%
30	9 U	341.004	336.304	4.701	1.38%	6.98%
30	10 U	349.282	344.716	4.565	1.31%	6.78%
50	11	346.674	348.541	-1.868	-0.54%	2.77%
50	12	343.753	342.054	1.699	0.49%	2.52%
50	13	346.432	343.231	3.201	0.92%	4.75%
50	14	339.821	338.627	1.194	0.35%	1.77%
50	15	340.595	336.646	3.948	1.16%	5.87%
50	16 U	347.418	345.128	2.290	0.66%	3.40%
50	17 U	344.749	338.325	6.423	1.86%	9.54%
50	18 U	344.430	342.210	2.221	0.64%	3.30%
50	19 U	349.394	343.811	5.583	1.60%	8.29%
50	20 U	338.446	346.745	-8.299	-2.45%	12.33%
100	21	344.599	338.819	5.780	1.68%	8.59%
100	22	344.266	341.790	2.476	0.72%	3.68%
100	23	345.785	346.940	-1.156	-0.33%	1.72%
100	24	343.927	348.796	-4.869	-1.42%	7.23%
100	25	341.274	341.910	-0.636	-0.19%	0.94%
100	26 U	345.279	343.603	1.676	0.49%	2.49%
100	27 U	339.303	337.100	2.202	0.65%	3.27%
100	28 U	345.881	340.308	5.574	1.61%	8.28%
100	29 U	345.382	345.562	-0.180	-0.05%	0.27%
100	30 U	343.423	345.551	-2.129	-0.62%	3.16%
	Max	350.557	348.796	6.770	1.95%	12.33%
	Average	344.619	342.506	2.112	0.61%	4.91%
	Min	338.446	336.304	-8.299	-2.45%	0.27%
	Std Dev	2.946	3.366	3.324	0.97%	3.10%



VDD=3.3V 2.58G Fund F2 Line

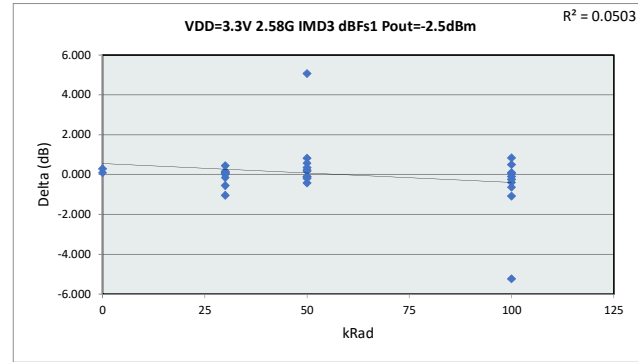
Test Site				
Tester				
Test Number				
Max Limit	376.1623726	dB		
Min Limit	308.8505115	dB		
kRad	0	30	50	100
LL	308.851	308.851	308.851	308.851
Min	343.185	336.304	336.646	337.100
Average	343.585	341.734	342.532	343.038
Max	343.985	344.716	348.541	348.796
UL	376.162	376.162	376.162	376.162



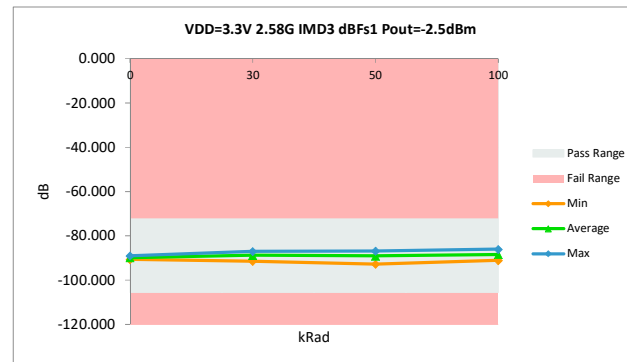
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G IMD3 dBFs1 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-72.08095699	-72.08095699
Min Limit	-105.5404004	-105.5404004

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-90.535	-90.647	0.113	-0.12%	0.34%
0	C2	-88.663	-88.972	0.309	-0.35%	0.92%
30	1	-86.825	-87.006	0.181	-0.21%	0.54%
30	2	-88.219	-88.265	0.046	-0.05%	0.14%
30	3	-87.316	-87.392	0.076	-0.09%	0.23%
30	4	-91.294	-91.445	0.151	-0.17%	0.45%
30	5	-90.134	-90.198	0.064	-0.07%	0.19%
30	6 U	-90.831	-90.696	-0.135	0.15%	0.40%
30	7 U	-87.729	-88.198	0.468	-0.53%	1.40%
30	8 U	-88.900	-87.884	-1.017	1.14%	3.04%
30	9 U	-88.135	-88.276	0.141	-0.16%	0.42%
30	10 U	-88.771	-88.242	-0.529	0.60%	1.58%
50	11	-88.610	-88.513	-0.097	0.11%	0.29%
50	12	-89.754	-90.595	0.840	-0.94%	2.51%
50	13	-88.353	-88.946	0.593	-0.67%	1.77%
50	14	-87.281	-87.480	0.199	-0.23%	0.59%
50	15	-86.687	-87.060	0.373	-0.43%	1.12%
50	16 U	-89.070	-88.672	-0.398	0.45%	1.19%
50	17 U	-90.383	-90.306	-0.077	0.08%	0.23%
50	18 U	-87.019	-86.852	-0.167	0.19%	0.50%
50	19 U	-89.360	-89.606	0.246	-0.28%	0.74%
50	20 U	-87.658	-92.747	5.089	-5.81%	15.21%
100	21	-92.887	-87.679	-5.209	5.61%	15.57%
100	22	-90.209	-90.734	0.526	-0.58%	1.57%
100	23	-87.845	-87.904	0.059	-0.07%	0.18%
100	24	-90.314	-89.946	-0.369	0.41%	1.10%
100	25	-90.246	-91.106	0.860	-0.95%	2.57%
100	26 U	-89.880	-89.666	-0.213	0.24%	0.64%
100	27 U	-86.765	-86.693	-0.073	0.08%	0.22%
100	28 U	-85.901	-86.022	0.121	-0.14%	0.36%
100	29 U	-89.144	-88.087	-1.057	1.19%	3.16%
100	30 U	-86.724	-86.107	-0.617	0.71%	1.85%
	Max	-85.901	-86.022	5.089	5.61%	15.57%
	Average	-88.795	-88.811	0.016	-0.03%	1.91%
	Min	-92.887	-92.747	-5.209	-5.81%	0.14%
	Std Dev	1.612	1.673	1.379	1.53%	3.64%



VDD=3.3V 2.58G IMD3 dBFs1				
Test Site				
Tester				
Test Number				
Max Limit	-72.08095699		dB	
Min Limit	-105.5404004		dB	
kRad	0	30	50	100
LL	-105.540	-105.540	-105.540	-105.540
Min	-90.647	-91.445	-92.747	-91.106
Average	-89.810	-88.760	-89.078	-88.394
Max	-88.972	-87.006	-86.852	-86.022
UL	-72.081	-72.081	-72.081	-72.081

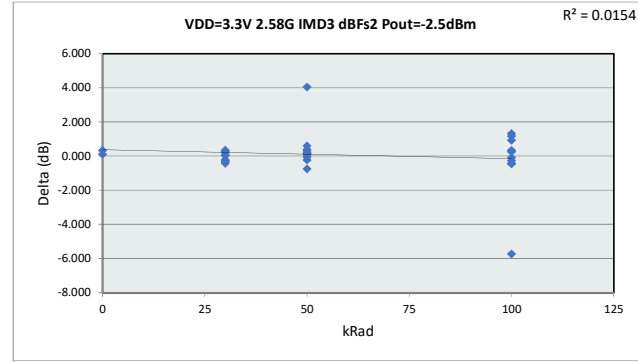


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G IMD3 dBFs2 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-73.33439173	-73.33439173
Min Limit	-104.5698112	-104.5698112

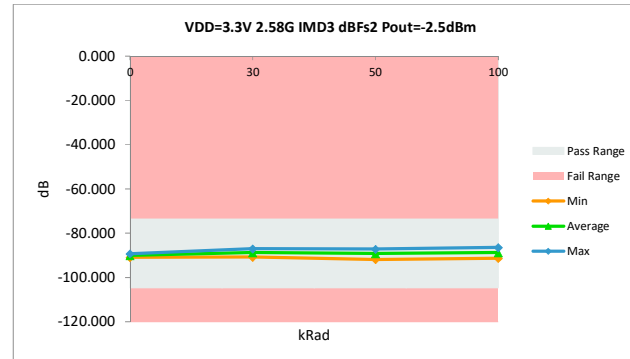
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-90.503	-90.859	0.356	-0.39%	1.14%
0	C2	-89.133	-89.261	0.128	-0.14%	0.41%
30	1	-87.237	-87.030	-0.207	0.24%	0.66%
30	2	-88.103	-88.383	0.280	-0.32%	0.90%
30	3	-87.275	-87.062	-0.213	0.24%	0.68%
30	4	-91.034	-90.748	-0.286	0.31%	0.92%
30	5	-90.282	-90.649	0.367	-0.41%	1.18%
30	6 U	-90.572	-90.689	0.116	-0.13%	0.37%
30	7 U	-87.952	-87.996	0.044	-0.05%	0.14%
30	8 U	-88.924	-88.609	-0.315	0.35%	1.01%
30	9 U	-88.037	-88.290	0.253	-0.29%	0.81%
30	10 U	-88.260	-87.860	-0.400	0.45%	1.28%
50	11	-88.434	-88.834	0.399	-0.45%	1.28%
50	12	-89.780	-90.401	0.621	-0.69%	1.99%
50	13	-89.009	-89.380	0.370	-0.42%	1.19%
50	14	-87.393	-87.644	0.252	-0.29%	0.81%
50	15	-86.969	-87.136	0.167	-0.19%	0.53%
50	16 U	-88.941	-88.732	-0.209	0.24%	0.67%
50	17 U	-91.461	-90.731	-0.730	0.80%	2.34%
50	18 U	-87.274	-87.245	-0.028	0.03%	0.09%
50	19 U	-89.473	-89.603	0.130	-0.15%	0.42%
50	20 U	-87.725	-91.803	4.078	-4.65%	13.06%
100	21	-93.535	-87.831	-5.704	6.10%	18.26%
100	22	-90.249	-91.199	0.950	-1.05%	3.04%
100	23	-87.706	-88.901	1.195	-1.36%	3.83%
100	24	-90.278	-89.840	-0.439	0.49%	1.40%
100	25	-89.677	-91.023	1.347	-1.50%	4.31%
100	26 U	-90.307	-90.249	-0.058	0.06%	0.19%
100	27 U	-86.427	-86.704	0.277	-0.32%	0.89%
100	28 U	-86.028	-86.391	0.363	-0.42%	1.16%
100	29 U	-89.096	-88.848	-0.248	0.28%	0.79%
100	30 U	-86.934	-86.537	-0.397	0.46%	1.27%
	Max	-86.028	-86.391	4.078	6.10%	18.26%
	Average	-88.875	-88.952	0.077	-0.10%	2.09%
	Min	-93.535	-91.803	-5.704	-4.65%	0.09%
	Std Dev	1.659	1.562	1.344	1.47%	3.75%



VDD=3.3V 2.58G IMD3 dBFs2

Test Site	
Tester	
Test Number	
Max Limit	-73.33439173 dB
Min Limit	-104.5698112 dB

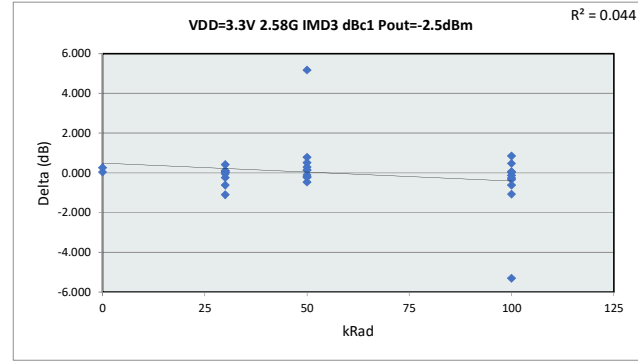
kRad	0	30	50	100
LL	-104.570	-104.570	-104.570	-104.570
Min	-90.859	-90.748	-91.803	-91.199
Average	-90.060	-88.732	-89.151	-88.752
Max	-89.261	-87.030	-87.136	-86.391
UL	-73.334	-73.334	-73.334	-73.334



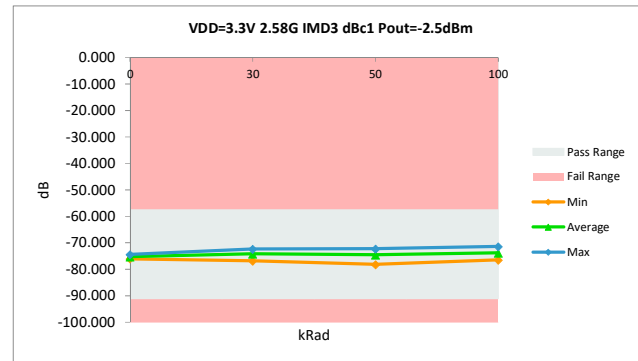
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G IMD3 dBc1 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-57.31547291	-57.31547291
Min Limit	-91.06231516	-91.06231516

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-75.982	-76.041	0.059	-0.08%	0.18%
0	C2	-74.095	-74.374	0.279	-0.38%	0.83%
30	1	-72.200	-72.317	0.117	-0.16%	0.35%
30	2	-73.662	-73.626	-0.036	0.05%	0.11%
30	3	-72.757	-72.790	0.033	-0.04%	0.10%
30	4	-76.707	-76.839	0.132	-0.17%	0.39%
30	5	-75.523	-75.571	0.047	-0.06%	0.14%
30	6 U	-76.325	-76.104	-0.222	0.29%	0.66%
30	7 U	-73.158	-73.595	0.437	-0.60%	1.29%
30	8 U	-74.323	-73.246	-1.076	1.45%	3.19%
30	9 U	-73.507	-73.573	0.066	-0.09%	0.20%
30	10 U	-74.245	-73.648	-0.598	0.81%	1.77%
50	11	-74.049	-73.964	-0.085	0.11%	0.25%
50	12	-75.158	-75.965	0.808	-1.07%	2.39%
50	13	-73.790	-74.325	0.535	-0.73%	1.59%
50	14	-72.636	-72.806	0.170	-0.23%	0.50%
50	15	-72.049	-72.364	0.315	-0.44%	0.93%
50	16 U	-74.524	-74.084	-0.440	0.59%	1.30%
50	17 U	-75.805	-75.633	-0.172	0.23%	0.51%
50	18 U	-72.430	-72.228	-0.202	0.28%	0.60%
50	19 U	-74.839	-74.995	0.156	-0.21%	0.46%
50	20 U	-72.986	-78.174	5.188	-7.11%	15.37%
100	21	-78.295	-73.012	-5.283	6.75%	15.65%
100	22	-75.605	-76.104	0.499	-0.66%	1.48%
100	23	-73.260	-73.338	0.078	-0.11%	0.23%
100	24	-75.714	-75.400	-0.314	0.41%	0.93%
100	25	-75.609	-76.478	0.869	-1.15%	2.58%
100	26 U	-75.294	-75.057	-0.237	0.31%	0.70%
100	27 U	-72.106	-72.000	-0.106	0.15%	0.31%
100	28 U	-71.320	-71.374	0.054	-0.08%	0.16%
100	29 U	-74.559	-73.504	-1.055	1.41%	3.12%
100	30 U	-72.114	-71.517	-0.597	0.83%	1.77%
	Max	-71.320	-71.374	5.188	6.75%	15.65%
	Average	-74.207	-74.189	-0.018	0.01%	1.88%
	Min	-78.295	-78.174	-5.283	-7.11%	0.10%
	Std Dev	1.625	1.687	1.399	1.85%	3.68%



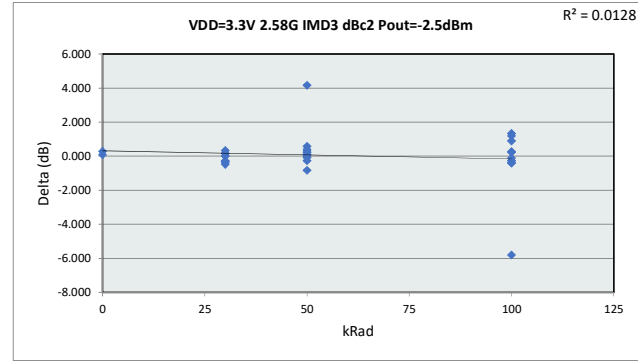
VDD=3.3V 2.58G IMD3 dBc1 Pout=-2.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-57.31547291		dB	
Min Limit	-91.06231516		dB	
kRad	0	30	50	100
LL	-91.062	-91.062	-91.062	-91.062
Min	-76.041	-76.839	-78.174	-76.478
Average	-75.208	-74.131	-74.454	-73.778
Max	-74.374	-72.317	-72.228	-71.374
UL	-57.315	-57.315	-57.315	-57.315



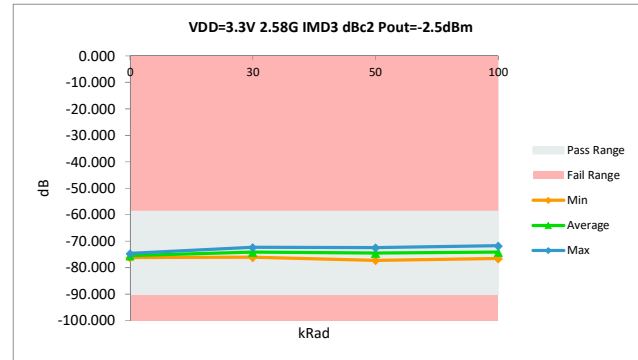
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G IMD3 dBc2 Po		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-58.53079024	-58.53079024
Min Limit	-90.06638107	-90.06638107

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-75.908	-76.214	0.305	-0.40%	0.97%
0	C2	-74.520	-74.626	0.107	-0.14%	0.34%
30	1	-72.569	-72.305	-0.264	0.36%	0.84%
30	2	-73.509	-73.704	0.194	-0.26%	0.62%
30	3	-72.679	-72.423	-0.255	0.35%	0.81%
30	4	-76.405	-76.109	-0.296	0.39%	0.94%
30	5	-75.628	-75.985	0.358	-0.47%	1.13%
30	6 U	-76.020	-76.063	0.043	-0.06%	0.14%
30	7 U	-73.337	-73.359	0.022	-0.03%	0.07%
30	8 U	-74.305	-73.942	-0.363	0.49%	1.15%
30	9 U	-73.364	-73.557	0.193	-0.26%	0.61%
30	10 U	-73.692	-73.234	-0.457	0.62%	1.45%
50	11	-73.834	-74.256	0.422	-0.57%	1.34%
50	12	-75.142	-75.742	0.600	-0.80%	1.90%
50	13	-74.406	-74.736	0.330	-0.44%	1.05%
50	14	-72.705	-72.941	0.236	-0.32%	0.75%
50	15	-72.291	-72.407	0.116	-0.16%	0.37%
50	16 U	-74.349	-74.111	-0.238	0.32%	0.75%
50	17 U	-76.836	-76.024	-0.812	1.06%	2.58%
50	18 U	-72.645	-72.588	-0.056	0.08%	0.18%
50	19 U	-74.906	-74.966	0.060	-0.08%	0.19%
50	20 U	-73.020	-77.203	4.183	-5.73%	13.27%
100	21	-78.908	-73.131	-5.777	7.32%	18.32%
100	22	-75.618	-76.537	0.919	-1.22%	2.91%
100	23	-73.094	-74.303	1.209	-1.65%	3.83%
100	24	-75.643	-75.265	-0.377	0.50%	1.20%
100	25	-75.008	-76.362	1.355	-1.81%	4.30%
100	26 U	-75.689	-75.610	-0.079	0.11%	0.25%
100	27 U	-71.733	-71.982	0.249	-0.35%	0.79%
100	28 U	-71.417	-71.710	0.292	-0.41%	0.93%
100	29 U	-74.479	-74.233	-0.246	0.33%	0.78%
100	30 U	-72.292	-71.922	-0.370	0.51%	1.17%
	Max	-71.417	-71.710	4.183	7.32%	18.32%
	Average	-74.248	-74.299	0.050	-0.09%	2.06%
	Min	-78.908	-77.203	-5.777	-5.73%	0.07%
	Std Dev	1.670	1.577	1.365	1.78%	3.79%



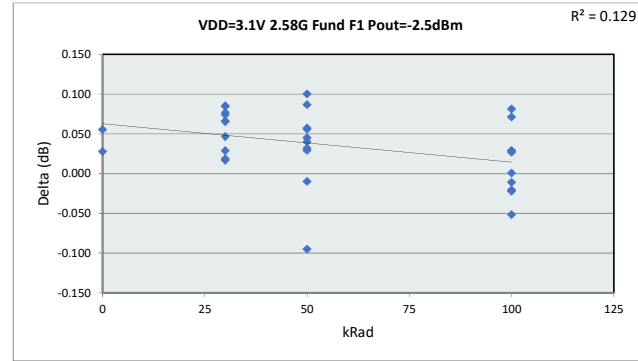
VDD=3.3V 2.58G IMD3 dBc2 P				
Test Site				
Tester				
Test Number				
Max Limit	-58.53079024		dB	
Min Limit	-90.06638107		dB	
kRad	0	30	50	100
LL	-90.066	-90.066	-90.066	-90.066
Min	-76.214	-76.109	-77.203	-76.537
Average	-75.420	-74.068	-74.498	-74.106
Max	-74.626	-72.305	-72.407	-71.710
UL	-58.531	-58.531	-58.531	-58.531



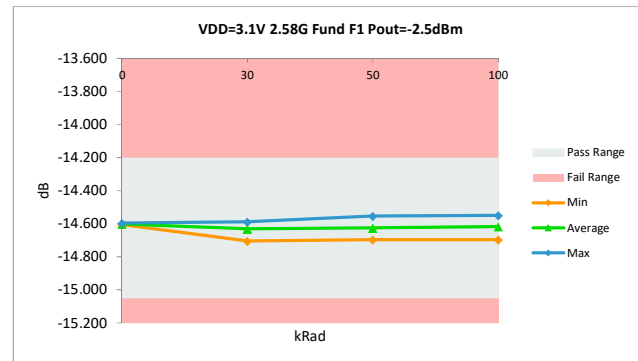
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G Fund F1 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.20039655	-14.20039655
Min Limit	-15.0464782	-15.0464782

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.550	-14.606	0.056	-0.38%	6.60%
0	C2	-14.568	-14.596	0.028	-0.20%	3.36%
30	1	-14.626	-14.692	0.066	-0.45%	7.84%
30	2	-14.556	-14.642	0.086	-0.59%	10.16%
30	3	-14.560	-14.607	0.047	-0.32%	5.58%
30	4	-14.589	-14.608	0.019	-0.13%	2.27%
30	5	-14.611	-14.628	0.017	-0.12%	2.06%
30	6 U	-14.503	-14.588	0.085	-0.59%	10.09%
30	7 U	-14.575	-14.604	0.029	-0.20%	3.46%
30	8 U	-14.573	-14.640	0.067	-0.46%	7.88%
30	9 U	-14.630	-14.705	0.075	-0.51%	8.83%
30	10 U	-14.523	-14.600	0.077	-0.53%	9.15%
50	11	-14.563	-14.554	-0.009	0.06%	1.12%
50	12	-14.593	-14.626	0.033	-0.22%	3.84%
50	13	-14.562	-14.619	0.057	-0.39%	6.69%
50	14	-14.647	-14.676	0.030	-0.20%	3.52%
50	15	-14.639	-14.697	0.058	-0.40%	6.87%
50	16 U	-14.547	-14.593	0.046	-0.31%	5.41%
50	17 U	-14.576	-14.677	0.101	-0.69%	11.92%
50	18 U	-14.587	-14.627	0.041	-0.28%	4.79%
50	19 U	-14.520	-14.608	0.087	-0.60%	10.31%
50	20 U	-14.671	-14.576	-0.094	0.64%	11.17%
100	21	-14.589	-14.671	0.082	-0.56%	9.68%
100	22	-14.602	-14.631	0.029	-0.20%	3.45%
100	23	-14.585	-14.565	-0.020	0.14%	2.35%
100	24	-14.600	-14.549	-0.051	0.35%	6.01%
100	25	-14.638	-14.627	-0.010	0.07%	1.22%
100	26 U	-14.583	-14.610	0.028	-0.19%	3.26%
100	27 U	-14.667	-14.697	0.029	-0.20%	3.48%
100	28 U	-14.582	-14.654	0.072	-0.49%	8.48%
100	29 U	-14.583	-14.584	0.001	-0.01%	0.16%
100	30 U	-14.613	-14.591	-0.022	0.15%	2.56%
	Max	-14.503	-14.549	0.101	0.64%	11.92%
	Average	-14.588	-14.623	0.036	-0.24%	5.74%
	Min	-14.671	-14.705	-0.094	-0.69%	0.16%
	Std Dev	0.040	0.042	0.044	0.30%	3.31%



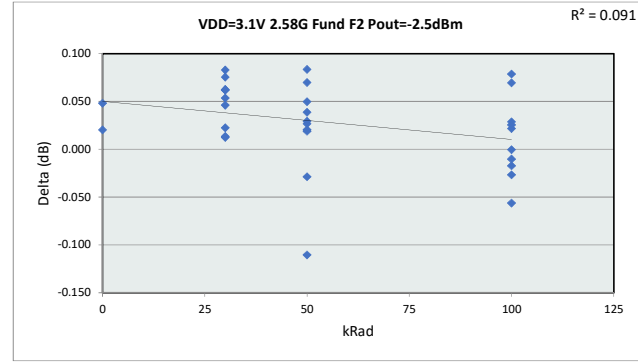
VDD=3.1V 2.58G Fund F1 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-14.20039655	dB		
Min Limit	-15.0464782	dB		
kRad	0	30	50	100
LL	-15.046	-15.046	-15.046	-15.046
Min	-14.606	-14.705	-14.697	-14.697
Average	-14.601	-14.632	-14.625	-14.618
Max	-14.596	-14.588	-14.554	-14.549
UL	-14.200	-14.200	-14.200	-14.200



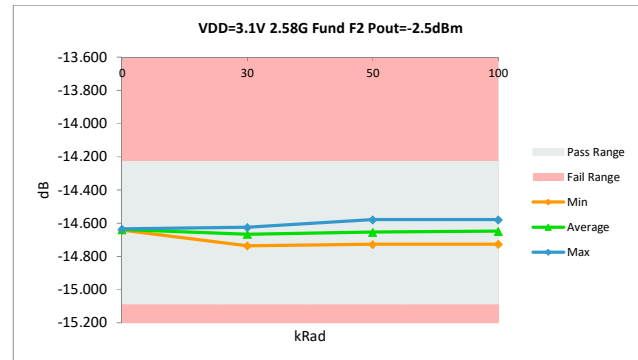
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G Fund F2 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.22513596	-14.22513596
Min Limit	-15.0847679	-15.0847679

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.593	-14.641	0.048	-0.33%	5.64%
0	C2	-14.614	-14.635	0.021	-0.14%	2.40%
30	1	-14.668	-14.731	0.063	-0.43%	7.31%
30	2	-14.597	-14.680	0.083	-0.57%	9.69%
30	3	-14.598	-14.645	0.047	-0.32%	5.41%
30	4	-14.629	-14.643	0.014	-0.09%	1.61%
30	5	-14.654	-14.667	0.013	-0.09%	1.50%
30	6 U	-14.549	-14.625	0.076	-0.52%	8.83%
30	7 U	-14.613	-14.636	0.023	-0.16%	2.67%
30	8 U	-14.617	-14.671	0.054	-0.37%	6.28%
30	9 U	-14.673	-14.735	0.062	-0.43%	7.26%
30	10 U	-14.567	-14.629	0.062	-0.43%	7.25%
50	11	-14.606	-14.578	-0.028	0.19%	3.30%
50	12	-14.634	-14.655	0.021	-0.14%	2.41%
50	13	-14.606	-14.645	0.039	-0.27%	4.55%
50	14	-14.687	-14.706	0.019	-0.13%	2.24%
50	15	-14.677	-14.727	0.050	-0.34%	5.82%
50	16 U	-14.596	-14.626	0.030	-0.20%	3.44%
50	17 U	-14.623	-14.707	0.084	-0.57%	9.76%
50	18 U	-14.633	-14.660	0.027	-0.18%	3.15%
50	19 U	-14.564	-14.634	0.070	-0.48%	8.18%
50	20 U	-14.710	-14.600	-0.110	0.75%	12.80%
100	21	-14.623	-14.702	0.079	-0.54%	9.19%
100	22	-14.635	-14.661	0.026	-0.18%	3.02%
100	23	-14.616	-14.599	-0.017	0.12%	1.96%
100	24	-14.635	-14.579	-0.056	0.38%	6.49%
100	25	-14.669	-14.659	-0.010	0.07%	1.16%
100	26 U	-14.618	-14.640	0.022	-0.15%	2.57%
100	27 U	-14.697	-14.726	0.029	-0.20%	3.39%
100	28 U	-14.614	-14.684	0.070	-0.48%	8.12%
100	29 U	-14.618	-14.618	0.000	0.00%	0.01%
100	30 U	-14.642	-14.615	-0.026	0.18%	3.07%
	Max	-14.549	-14.578	0.084	0.75%	12.80%
	Average	-14.627	-14.655	0.028	-0.19%	5.01%
	Min	-14.710	-14.735	-0.110	-0.57%	0.01%
	Std Dev	0.038	0.043	0.043	0.29%	3.12%



VDD=3.1V 2.58G Fund F2 Pout=-				
Test Site				
Tester				
Test Number				
Max Limit	-14.22513596		dB	
Min Limit	-15.0847679		dB	
kRad	0	30	50	100
LL	-15.085	-15.085	-15.085	-15.085
Min	-14.641	-14.735	-14.727	-14.726
Average	-14.638	-14.666	-14.654	-14.648
Max	-14.635	-14.625	-14.578	-14.579
UL	-14.225	-14.225	-14.225	-14.225

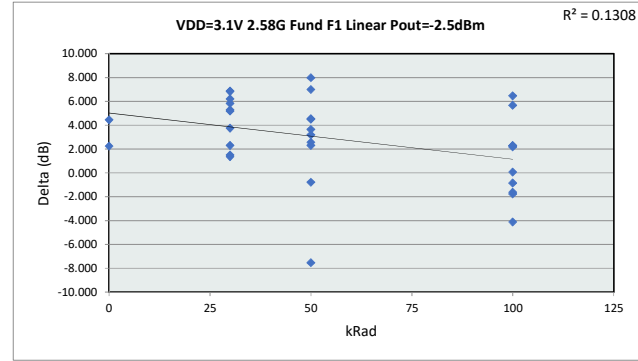


QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G Fund F1 Linea

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	378.4239699	378.4239699
Min Limit	311.3490499	311.3490499

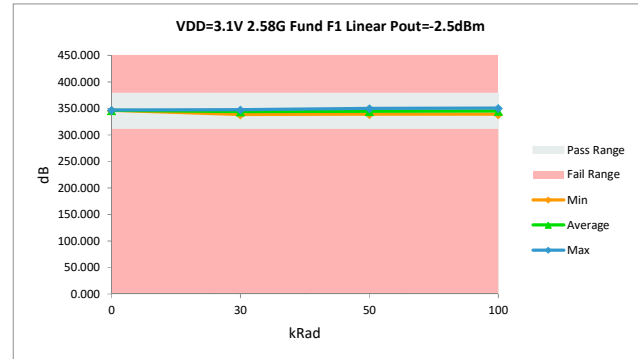
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	350.765	346.284	4.481	1.28%	6.68%
0	C2	349.306	347.028	2.278	0.65%	3.40%
30	1	344.657	339.435	5.223	1.52%	7.79%
30	2	350.242	343.379	6.863	1.96%	10.23%
30	3	349.956	346.170	3.787	1.08%	5.65%
30	4	347.635	346.102	1.533	0.44%	2.29%
30	5	345.870	344.482	1.388	0.40%	2.07%
30	6 U	354.555	347.657	6.898	1.95%	10.28%
30	7 U	348.750	346.408	2.342	0.67%	3.49%
30	8 U	348.878	343.565	5.313	1.52%	7.92%
30	9 U	344.328	338.457	5.872	1.71%	8.75%
30	10 U	352.938	346.700	6.239	1.77%	9.30%
50	11	349.707	350.468	-0.761	-0.22%	1.13%
50	12	347.282	344.691	2.591	0.75%	3.86%
50	13	349.755	345.224	4.531	1.30%	6.76%
50	14	343.042	340.697	2.345	0.68%	3.50%
50	15	343.649	339.079	4.570	1.33%	6.81%
50	16 U	350.959	347.280	3.679	1.05%	5.48%
50	17 U	348.642	340.638	8.005	2.30%	11.93%
50	18 U	347.793	344.561	3.232	0.93%	4.82%
50	19 U	353.147	346.126	7.021	1.99%	10.47%
50	20 U	341.141	348.643	-7.502	-2.20%	11.19%
100	21	347.638	341.140	6.498	1.87%	9.69%
100	22	346.566	344.245	2.321	0.67%	3.46%
100	23	347.975	349.573	-1.598	-0.46%	2.38%
100	24	346.736	350.816	-4.080	-1.18%	6.08%
100	25	343.751	344.572	-0.821	-0.24%	1.22%
100	26 U	348.119	345.916	2.203	0.63%	3.28%
100	27 U	341.404	339.095	2.309	0.68%	3.44%
100	28 U	348.184	342.480	5.705	1.64%	8.50%
100	29 U	348.103	347.996	0.107	0.03%	0.16%
100	30 U	345.731	347.462	-1.731	-0.50%	2.58%
	Max	354.555	350.816	8.005	2.30%	11.93%
	Average	347.725	344.887	2.839	0.81%	5.77%
	Min	341.141	338.457	-7.502	-2.20%	0.16%
	Std Dev	3.198	3.354	3.483	1.00%	3.33%



VDD=3.1V 2.58G Fund F1 Line

Test Site		
Tester		
Test Number		
Max Limit	378.4239699	dB
Min Limit	311.3490499	dB

kRad	0	30	50	100
LL	311.349	311.349	311.349	311.349
Min	346.284	338.457	339.079	339.095
Average	346.656	344.235	344.741	345.329
Max	347.028	347.657	350.468	350.816
UL	378.424	378.424	378.424	378.424

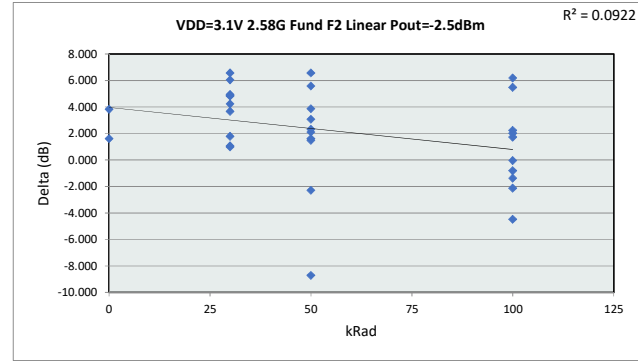


QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G Fund F2 Linea

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	376.2348692	376.2348692
Min Limit	308.5519598	308.5519598

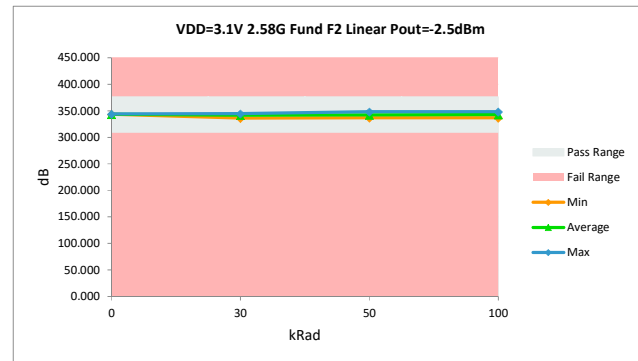
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	347.293	343.440	3.853	1.11%	5.69%
0	C2	345.589	343.954	1.635	0.47%	2.42%
30	1	341.328	336.424	4.905	1.44%	7.25%
30	2	346.997	340.403	6.594	1.90%	9.74%
30	3	346.882	343.184	3.697	1.07%	5.46%
30	4	344.438	343.343	1.095	0.32%	1.62%
30	5	342.450	341.436	1.014	0.30%	1.50%
30	6 U	350.859	344.782	6.077	1.73%	8.98%
30	7 U	345.724	343.905	1.819	0.53%	2.69%
30	8 U	345.366	341.103	4.263	1.23%	6.30%
30	9 U	340.957	336.093	4.864	1.43%	7.19%
30	10 U	349.395	344.415	4.980	1.43%	7.36%
50	11	346.248	348.514	-2.266	-0.65%	3.35%
50	12	343.994	342.355	1.639	0.48%	2.42%
50	13	346.236	343.131	3.104	0.90%	4.59%
50	14	339.849	338.342	1.506	0.44%	2.23%
50	15	340.647	336.743	3.905	1.15%	5.77%
50	16 U	347.044	344.688	2.356	0.68%	3.48%
50	17 U	344.912	338.315	6.597	1.91%	9.75%
50	18 U	344.147	342.009	2.138	0.62%	3.16%
50	19 U	349.618	344.004	5.615	1.61%	8.30%
50	20 U	338.074	346.751	-8.677	-2.57%	12.82%
100	21	344.920	338.705	6.215	1.80%	9.18%
100	22	343.944	341.896	2.048	0.60%	3.03%
100	23	345.499	346.844	-1.344	-0.39%	1.99%
100	24	343.977	348.426	-4.449	-1.29%	6.57%
100	25	341.288	342.072	-0.784	-0.23%	1.16%
100	26 U	345.335	343.582	1.753	0.51%	2.59%
100	27 U	339.087	336.818	2.269	0.67%	3.35%
100	28 U	345.612	340.104	5.508	1.59%	8.14%
100	29 U	345.301	345.306	-0.005	0.00%	0.01%
100	30 U	343.406	345.502	-2.096	-0.61%	3.10%
	Max	350.859	348.514	6.597	1.91%	12.82%
	Average	344.576	342.393	2.182	0.63%	5.04%
	Min	338.074	336.093	-8.677	-2.57%	0.01%
	Std Dev	2.986	3.384	3.402	0.99%	3.13%



VDD=3.1V 2.58G Fund F2 Line

Test Site		
Tester		
Test Number		
Max Limit	376.2348692	dB
Min Limit	308.5519598	dB

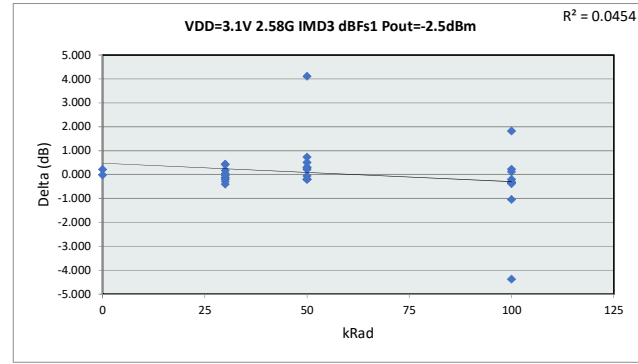
kRad	0	30	50	100
LL	308.552	308.552	308.552	308.552
Min	343.440	336.093	336.743	336.818
Average	343.697	341.509	342.485	342.926
Max	343.954	344.782	348.514	348.426
UL	376.235	376.235	376.235	376.235



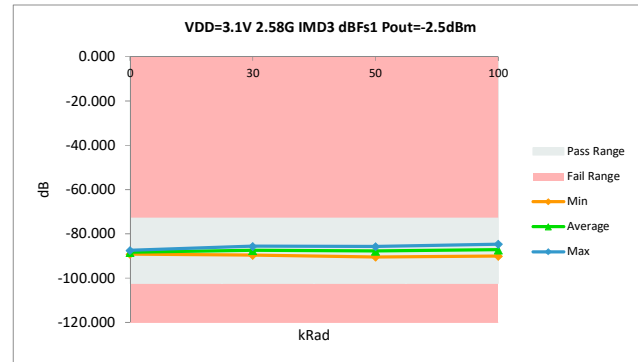
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G IMD3 dBFs1 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-72.71011056	-72.71011056
Min Limit	-102.3088065	-102.3088065

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-88.936	-89.171	0.235	-0.26%	0.79%
0	C2	-87.464	-87.468	0.003	0.00%	0.01%
30	1	-85.811	-85.625	-0.186	0.22%	0.63%
30	2	-86.984	-86.870	-0.113	0.13%	0.38%
30	3	-86.234	-86.297	0.063	-0.07%	0.21%
30	4	-89.843	-89.570	-0.274	0.30%	0.92%
30	5	-88.833	-88.453	-0.380	0.43%	1.28%
30	6 U	-89.089	-89.283	0.194	-0.22%	0.66%
30	7 U	-86.623	-87.068	0.444	-0.51%	1.50%
30	8 U	-87.359	-87.226	-0.133	0.15%	0.45%
30	9 U	-86.769	-87.220	0.450	-0.52%	1.52%
30	10 U	-87.022	-86.999	-0.023	0.03%	0.08%
50	11	-86.905	-87.659	0.754	-0.87%	2.55%
50	12	-88.509	-88.325	-0.184	0.21%	0.62%
50	13	-87.720	-87.683	-0.037	0.04%	0.13%
50	14	-85.893	-86.129	0.236	-0.28%	0.80%
50	15	-85.419	-85.723	0.304	-0.36%	1.03%
50	16 U	-87.615	-88.142	0.527	-0.60%	1.78%
50	17 U	-89.227	-89.048	-0.179	0.20%	0.61%
50	18 U	-85.775	-86.104	0.328	-0.38%	1.11%
50	19 U	-88.131	-87.967	-0.164	0.19%	0.55%
50	20 U	-86.287	-90.417	4.130	-4.79%	13.95%
100	21	-91.020	-86.666	-4.355	4.78%	14.71%
100	22	-88.913	-89.048	0.136	-0.15%	0.46%
100	23	-87.056	-87.299	0.243	-0.28%	0.82%
100	24	-88.927	-88.569	-0.359	0.40%	1.21%
100	25	-88.164	-90.005	1.841	-2.09%	6.22%
100	26 U	-88.675	-88.373	-0.302	0.34%	1.02%
100	27 U	-85.455	-85.272	-0.182	0.21%	0.62%
100	28 U	-84.929	-84.608	-0.322	0.38%	1.09%
100	29 U	-87.411	-87.111	-0.300	0.34%	1.01%
100	30 U	-85.931	-84.907	-1.024	1.19%	3.46%
Max		-84.929	-84.608	4.130	4.78%	14.71%
Average		-87.467	-87.509	0.043	-0.06%	1.94%
Min		-91.020	-90.417	-4.355	-4.79%	0.01%
Std Dev		1.459	1.480	1.176	1.33%	3.45%



VDD=3.1V 2.58G IMD3 dBFs1				
Test Site				
Tester				
Test Number				
Max Limit	-72.71011056		dB	
Min Limit	-102.3088065		dB	
kRad	0	30	50	100
LL	-102.309	-102.309	-102.309	-102.309
Min	-89.171	-89.570	-90.417	-90.005
Average	-88.319	-87.461	-87.720	-87.186
Max	-87.468	-85.625	-85.723	-84.608
UL	-72.710	-72.710	-72.710	-72.710

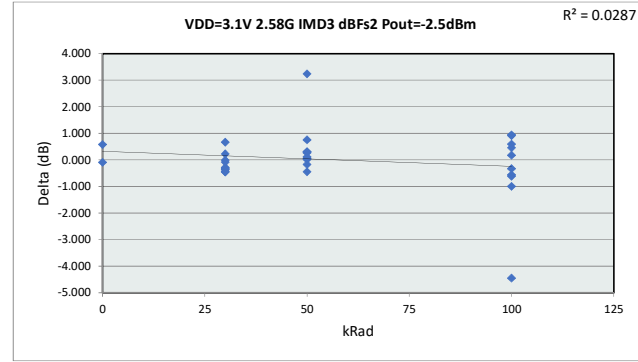


QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G IMD3 dBFs2 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-73.83913298	-73.83913298
Min Limit	-101.6115258	-101.6115258

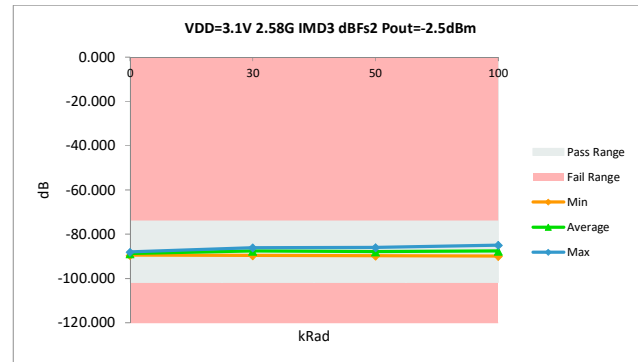
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-88.873	-89.470	0.596	-0.67%	2.15%
0	C2	-88.111	-88.033	-0.077	0.09%	0.28%
30	1	-86.496	-86.061	-0.436	0.50%	1.57%
30	2	-87.000	-86.932	-0.068	0.08%	0.24%
30	3	-86.374	-86.098	-0.276	0.32%	0.99%
30	4	-89.924	-89.561	-0.363	0.40%	1.31%
30	5	-89.013	-88.675	-0.338	0.38%	1.22%
30	6 U	-88.801	-89.483	0.681	-0.77%	2.45%
30	7 U	-87.015	-87.253	0.238	-0.27%	0.86%
30	8 U	-87.954	-87.514	-0.440	0.50%	1.58%
30	9 U	-87.106	-87.110	0.004	0.00%	0.01%
30	10 U	-87.108	-86.797	-0.311	0.36%	1.12%
50	11	-87.221	-87.542	0.321	-0.37%	1.16%
50	12	-88.750	-89.035	0.285	-0.32%	1.03%
50	13	-87.628	-88.397	0.769	-0.88%	2.77%
50	14	-86.298	-86.619	0.321	-0.37%	1.16%
50	15	-85.856	-85.922	0.066	-0.08%	0.24%
50	16 U	-88.245	-87.815	-0.430	0.49%	1.55%
50	17 U	-89.086	-89.116	0.030	-0.03%	0.11%
50	18 U	-86.428	-86.550	0.122	-0.14%	0.44%
50	19 U	-88.282	-88.125	-0.158	0.18%	0.57%
50	20 U	-86.532	-89.788	3.256	-3.76%	11.72%
100	21	-91.228	-86.791	-4.437	4.86%	15.98%
100	22	-88.874	-89.831	0.957	-1.08%	3.45%
100	23	-86.904	-87.376	0.472	-0.54%	1.70%
100	24	-89.433	-88.448	-0.985	1.10%	3.55%
100	25	-88.636	-89.558	0.922	-1.04%	3.32%
100	26 U	-88.671	-89.276	0.605	-0.68%	2.18%
100	27 U	-85.687	-85.879	0.191	-0.22%	0.69%
100	28 U	-85.199	-84.880	-0.319	0.37%	1.15%
100	29 U	-88.161	-87.563	-0.598	0.68%	2.15%
100	30 U	-86.258	-85.711	-0.547	0.63%	1.97%
	Max	-85.199	-84.880	3.256	4.86%	15.98%
	Average	-87.724	-87.725	0.002	-0.01%	2.21%
	Min	-91.228	-89.831	-4.437	-3.76%	0.01%
	Std Dev	1.373	1.389	1.096	1.23%	3.25%



VDD=3.1V 2.58G IMD3 dBFs2

Test Site	
Tester	
Test Number	
Max Limit	-73.83913298 dB
Min Limit	-101.6115258 dB

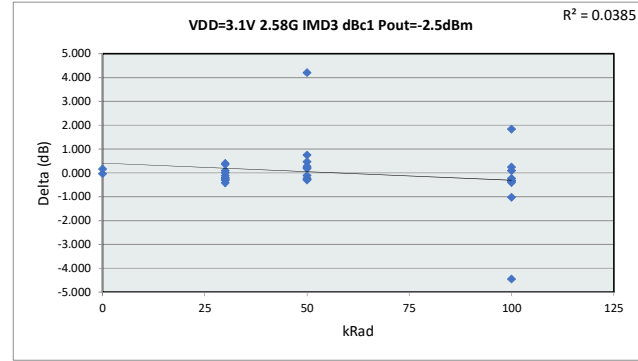
kRad	0	30	50	100
LL	-101.612	-101.612	-101.612	-101.612
Min	-89.470	-89.561	-89.788	-89.831
Average	-88.752	-87.548	-87.891	-87.531
Max	-88.033	-86.061	-85.922	-84.880
UL	-73.839	-73.839	-73.839	-73.839



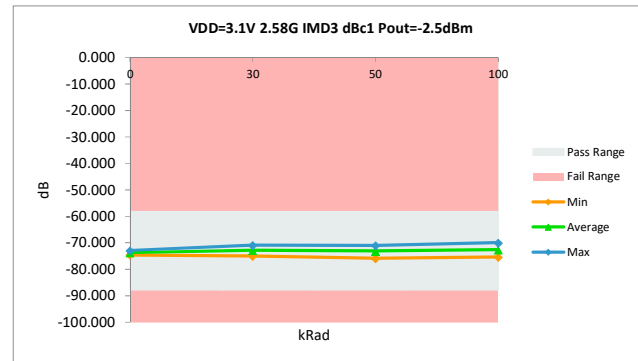
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G IMD3 dBc1 Pout=-2.5dBm		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-57.90820947	-57.90820947
Min Limit	-87.86383281	-87.86383281

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-74.386	-74.565	0.179	-0.24%	0.60%
0	C2	-72.896	-72.871	-0.025	0.03%	0.08%
30	1	-71.185	-70.932	-0.253	0.36%	0.84%
30	2	-72.427	-72.228	-0.199	0.28%	0.67%
30	3	-71.674	-71.690	0.016	-0.02%	0.05%
30	4	-75.255	-74.962	-0.293	0.39%	0.98%
30	5	-74.222	-73.825	-0.398	0.54%	1.33%
30	6 U	-74.586	-74.695	0.109	-0.15%	0.36%
30	7 U	-72.049	-72.464	0.415	-0.58%	1.39%
30	8 U	-72.786	-72.586	-0.200	0.27%	0.67%
30	9 U	-72.139	-72.515	0.375	-0.52%	1.25%
30	10 U	-72.499	-72.399	-0.100	0.14%	0.34%
50	11	-72.342	-73.105	0.763	-1.06%	2.55%
50	12	-73.916	-73.700	-0.216	0.29%	0.72%
50	13	-73.158	-73.064	-0.094	0.13%	0.31%
50	14	-71.246	-71.452	0.206	-0.29%	0.69%
50	15	-70.780	-71.026	0.246	-0.35%	0.82%
50	16 U	-73.067	-73.548	0.481	-0.66%	1.61%
50	17 U	-74.651	-74.371	-0.280	0.38%	0.94%
50	18 U	-71.188	-71.476	0.288	-0.40%	0.96%
50	19 U	-73.611	-73.359	-0.251	0.34%	0.84%
50	20 U	-71.616	-75.841	4.225	-5.90%	14.10%
100	21	-76.431	-71.995	-4.437	5.80%	14.81%
100	22	-74.311	-74.417	0.106	-0.14%	0.36%
100	23	-72.471	-72.734	0.263	-0.36%	0.88%
100	24	-74.327	-74.019	-0.308	0.41%	1.03%
100	25	-73.527	-75.378	1.851	-2.52%	6.18%
100	26 U	-74.092	-73.763	-0.329	0.44%	1.10%
100	27 U	-70.787	-70.575	-0.212	0.30%	0.71%
100	28 U	-70.348	-69.954	-0.394	0.56%	1.31%
100	29 U	-72.828	-72.526	-0.302	0.41%	1.01%
100	30 U	-71.319	-70.316	-1.002	1.41%	3.35%
	Max	-70.348	-69.954	4.225	5.80%	14.81%
	Average	-72.879	-72.886	0.007	-0.02%	1.96%
	Min	-76.431	-75.841	-4.437	-5.90%	0.05%
	Std Dev	1.473	1.498	1.198	1.62%	3.47%



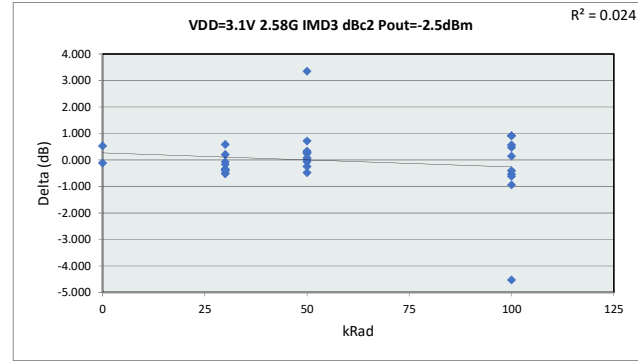
VDD=3.1V 2.58G IMD3 dBc1 Pout=-2.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-57.90820947		dB	
Min Limit	-87.86383281		dB	
kRad	0	30	50	100
LL	-87.864	-87.864	-87.864	-87.864
Min	-74.565	-74.962	-75.841	-75.378
Average	-73.718	-72.829	-73.094	-72.568
Max	-72.871	-70.932	-71.026	-69.954
UL	-57.908	-57.908	-57.908	-57.908



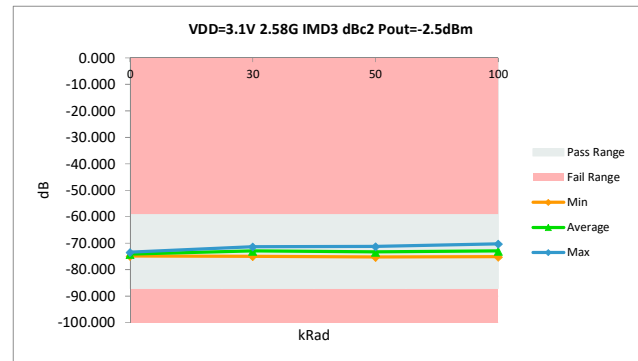
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G IMD3 dBc2 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-59.01782361	-59.01782361
Min Limit	-87.12293014	-87.12293014

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-74.280	-74.828	0.548	-0.74%	1.95%
0	C2	-73.496	-73.398	-0.098	0.13%	0.35%
30	1	-71.828	-71.330	-0.499	0.69%	1.77%
30	2	-72.403	-72.252	-0.151	0.21%	0.54%
30	3	-71.776	-71.453	-0.322	0.45%	1.15%
30	4	-75.295	-74.919	-0.377	0.50%	1.34%
30	5	-74.359	-74.008	-0.351	0.47%	1.25%
30	6 U	-74.253	-74.858	0.605	-0.82%	2.15%
30	7 U	-72.402	-72.617	0.216	-0.30%	0.77%
30	8 U	-73.337	-72.843	-0.494	0.67%	1.76%
30	9 U	-72.433	-72.375	-0.058	0.08%	0.21%
30	10 U	-72.541	-72.168	-0.373	0.51%	1.33%
50	11	-72.615	-72.964	0.349	-0.48%	1.24%
50	12	-74.116	-74.380	0.264	-0.36%	0.94%
50	13	-73.022	-73.752	0.730	-1.00%	2.60%
50	14	-71.611	-71.912	0.302	-0.42%	1.07%
50	15	-71.179	-71.195	0.016	-0.02%	0.06%
50	16 U	-73.649	-73.190	-0.460	0.62%	1.64%
50	17 U	-74.463	-74.410	-0.054	0.07%	0.19%
50	18 U	-71.796	-71.891	0.095	-0.13%	0.34%
50	19 U	-73.718	-73.490	-0.228	0.31%	0.81%
50	20 U	-71.822	-75.188	3.366	-4.69%	11.98%
100	21	-76.605	-72.089	-4.516	5.90%	16.07%
100	22	-74.239	-75.170	0.931	-1.25%	3.31%
100	23	-72.288	-72.777	0.489	-0.68%	1.74%
100	24	-74.798	-73.869	-0.929	1.24%	3.31%
100	25	-73.967	-74.899	0.932	-1.26%	3.32%
100	26 U	-74.054	-74.637	0.583	-0.79%	2.07%
100	27 U	-70.990	-71.153	0.162	-0.23%	0.58%
100	28 U	-70.585	-70.197	-0.389	0.55%	1.38%
100	29 U	-73.543	-72.945	-0.598	0.81%	2.13%
100	30 U	-71.616	-71.096	-0.520	0.73%	1.85%
	Max	-70.585	-70.197	3.366	5.90%	16.07%
	Average	-73.096	-73.070	-0.026	0.03%	2.22%
	Min	-76.605	-75.188	-4.516	-4.69%	0.06%
	Std Dev	1.385	1.405	1.115	1.50%	3.26%



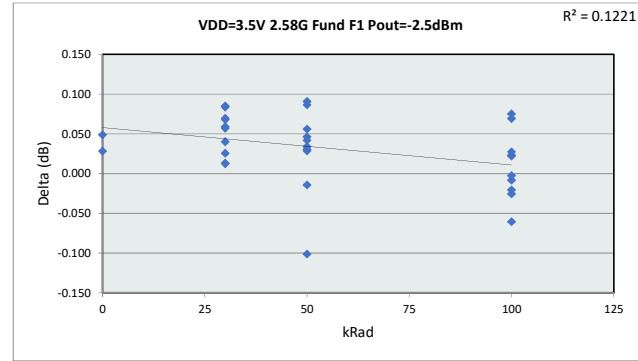
VDD=3.1V 2.58G IMD3 dBc2 Pout=-2.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-59.01782361		dB	
Min Limit	-87.12293014		dB	
kRad	0	30	50	100
LL	-87.123	-87.123	-87.123	-87.123
Min	-74.828	-74.919	-75.188	-75.170
Average	-74.113	-72.882	-73.237	-72.883
Max	-73.398	-71.330	-71.195	-70.197
UL	-59.018	-59.018	-59.018	-59.018



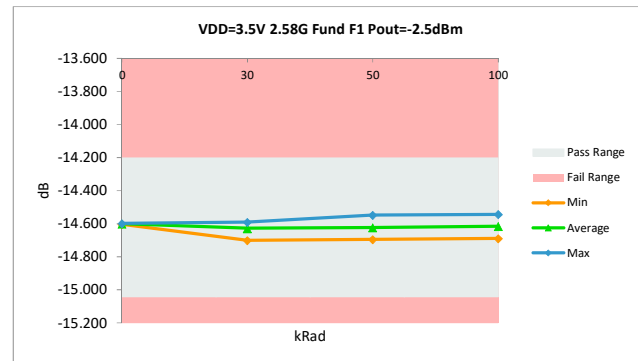
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G Fund F1 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.19917867	-14.19917867
Min Limit	-15.04091879	-15.04091879

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.554	-14.603	0.049	-0.34%	5.86%
0	C2	-14.569	-14.598	0.029	-0.20%	3.41%
30	1	-14.628	-14.686	0.058	-0.39%	6.86%
30	2	-14.555	-14.640	0.085	-0.59%	10.15%
30	3	-14.559	-14.600	0.041	-0.28%	4.82%
30	4	-14.592	-14.605	0.013	-0.09%	1.57%
30	5	-14.613	-14.627	0.014	-0.09%	1.62%
30	6 U	-14.506	-14.590	0.084	-0.58%	10.02%
30	7 U	-14.573	-14.599	0.026	-0.18%	3.11%
30	8 U	-14.574	-14.634	0.060	-0.41%	7.08%
30	9 U	-14.632	-14.701	0.069	-0.47%	8.15%
30	10 U	-14.524	-14.594	0.070	-0.48%	8.33%
50	11	-14.561	-14.547	-0.014	0.09%	1.64%
50	12	-14.598	-14.629	0.031	-0.21%	3.67%
50	13	-14.567	-14.614	0.047	-0.32%	5.58%
50	14	-14.646	-14.675	0.029	-0.20%	3.45%
50	15	-14.638	-14.694	0.057	-0.39%	6.72%
50	16 U	-14.546	-14.588	0.042	-0.29%	5.03%
50	17 U	-14.579	-14.670	0.091	-0.63%	10.86%
50	18 U	-14.587	-14.621	0.035	-0.24%	4.11%
50	19 U	-14.522	-14.609	0.087	-0.60%	10.34%
50	20 U	-14.672	-14.572	-0.101	0.69%	11.97%
100	21	-14.594	-14.670	0.076	-0.52%	8.99%
100	22	-14.605	-14.629	0.024	-0.16%	2.82%
100	23	-14.586	-14.566	-0.020	0.14%	2.36%
100	24	-14.603	-14.543	-0.060	0.41%	7.13%
100	25	-14.637	-14.629	-0.008	0.05%	0.91%
100	26 U	-14.583	-14.606	0.023	-0.16%	2.69%
100	27 U	-14.661	-14.689	0.028	-0.19%	3.30%
100	28 U	-14.580	-14.650	0.070	-0.48%	8.30%
100	29 U	-14.583	-14.581	-0.002	0.01%	0.26%
100	30 U	-14.612	-14.586	-0.025	0.17%	2.98%
	Max	-14.506	-14.543	0.091	0.69%	11.97%
	Average	-14.589	-14.620	0.031	-0.22%	5.44%
	Min	-14.672	-14.701	-0.101	-0.63%	0.26%
	Std Dev	0.039	0.042	0.044	0.30%	3.26%



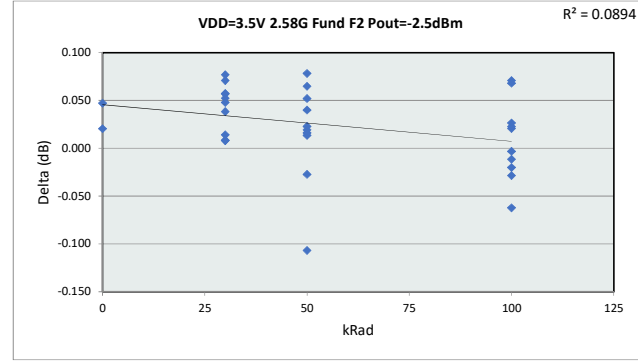
VDD=3.5V 2.58G Fund F1 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-14.19917867		dB	
Min Limit	-15.04091879		dB	
kRad	0	30	50	100
LL	-15.041	-15.041	-15.041	-15.041
Min	-14.603	-14.701	-14.694	-14.689
Average	-14.600	-14.628	-14.622	-14.615
Max	-14.598	-14.590	-14.547	-14.543
UL	-14.199	-14.199	-14.199	-14.199



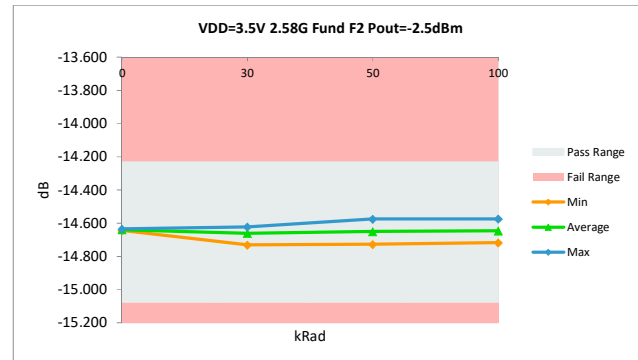
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G Fund F2 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.22687877	-14.22687877
Min Limit	-15.07553976	-15.07553976

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.596	-14.643	0.047	-0.33%	5.59%
0	C2	-14.614	-14.635	0.021	-0.14%	2.46%
30	1	-14.668	-14.721	0.053	-0.36%	6.21%
30	2	-14.597	-14.675	0.077	-0.53%	9.11%
30	3	-14.600	-14.639	0.039	-0.26%	4.55%
30	4	-14.630	-14.639	0.008	-0.06%	0.99%
30	5	-14.654	-14.663	0.009	-0.06%	1.04%
30	6 U	-14.552	-14.623	0.071	-0.49%	8.39%
30	7 U	-14.616	-14.631	0.014	-0.10%	1.70%
30	8 U	-14.616	-14.664	0.048	-0.33%	5.68%
30	9 U	-14.674	-14.731	0.057	-0.39%	6.74%
30	10 U	-14.564	-14.622	0.058	-0.40%	6.78%
50	11	-14.602	-14.575	-0.027	0.19%	3.19%
50	12	-14.641	-14.657	0.016	-0.11%	1.93%
50	13	-14.602	-14.643	0.040	-0.28%	4.75%
50	14	-14.687	-14.701	0.014	-0.09%	1.63%
50	15	-14.675	-14.727	0.052	-0.36%	6.16%
50	16 U	-14.591	-14.614	0.023	-0.16%	2.73%
50	17 U	-14.624	-14.702	0.079	-0.54%	9.26%
50	18 U	-14.630	-14.650	0.020	-0.13%	2.30%
50	19 U	-14.567	-14.633	0.065	-0.45%	7.67%
50	20 U	-14.706	-14.600	-0.106	0.72%	12.54%
100	21	-14.629	-14.700	0.071	-0.49%	8.39%
100	22	-14.633	-14.660	0.027	-0.18%	3.17%
100	23	-14.617	-14.598	-0.020	0.13%	2.31%
100	24	-14.636	-14.574	-0.062	0.42%	7.29%
100	25	-14.672	-14.661	-0.011	0.08%	1.30%
100	26 U	-14.615	-14.636	0.021	-0.14%	2.48%
100	27 U	-14.694	-14.717	0.023	-0.16%	2.70%
100	28 U	-14.612	-14.680	0.068	-0.47%	8.06%
100	29 U	-14.614	-14.611	-0.003	0.02%	0.34%
100	30 U	-14.641	-14.613	-0.028	0.19%	3.32%
Max		-14.552	-14.574	0.079	0.72%	12.54%
Average		-14.627	-14.651	0.024	-0.16%	4.71%
Min		-14.706	-14.731	-0.106	-0.54%	0.34%
Std Dev		0.037	0.042	0.042	0.28%	3.06%



VDD=3.5V 2.58G Fund F2 Pout=-				
Test Site				
Tester				
Test Number				
Max Limit	-14.22687877	dB		
Min Limit	-15.07553976	dB		
kRad	0	30	50	100
LL	-15.076	-15.076	-15.076	-15.076
Min	-14.643	-14.731	-14.727	-14.717
Average	-14.639	-14.661	-14.650	-14.645
Max	-14.635	-14.622	-14.575	-14.574
UL	-14.227	-14.227	-14.227	-14.227

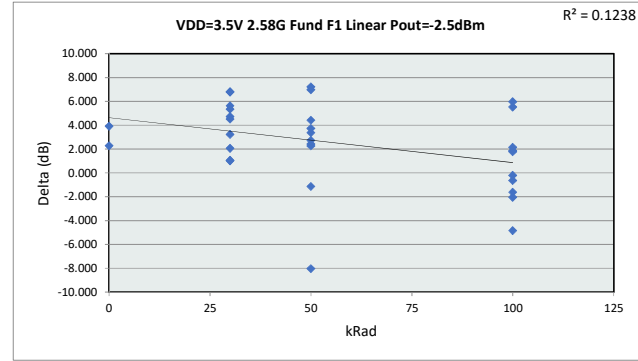


QMLP TID Report
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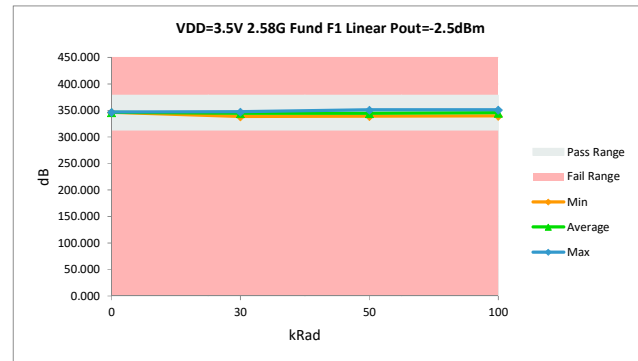
VDD=3.5V 2.58G Fund F1 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	378.5591853	378.5591853
Min Limit	311.7519185	311.7519185

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	350.468	346.513	3.955	1.13%	5.92%
0	C2	349.220	346.917	2.303	0.66%	3.45%
30	1	344.488	339.939	4.550	1.32%	6.81%
30	2	350.359	343.531	6.827	1.95%	10.22%
30	3	349.999	346.742	3.257	0.93%	4.88%
30	4	347.391	346.336	1.055	0.30%	1.58%
30	5	345.701	344.615	1.086	0.31%	1.63%
30	6 U	354.348	347.531	6.818	1.92%	10.21%
30	7 U	348.888	346.794	2.094	0.60%	3.13%
30	8 U	348.825	344.070	4.755	1.36%	7.12%
30	9 U	344.187	338.796	5.391	1.57%	8.07%
30	10 U	352.876	347.221	5.654	1.60%	8.46%
50	11	349.888	351.003	-1.115	-0.32%	1.67%
50	12	346.913	344.456	2.457	0.71%	3.68%
50	13	349.412	345.652	3.760	1.08%	5.63%
50	14	343.113	340.829	2.284	0.67%	3.42%
50	15	343.750	339.299	4.451	1.29%	6.66%
50	16 U	351.088	347.683	3.405	0.97%	5.10%
50	17 U	348.418	341.159	7.259	2.08%	10.87%
50	18 U	347.816	345.057	2.759	0.79%	4.13%
50	19 U	353.045	346.038	7.007	1.98%	10.49%
50	20 U	341.010	349.011	-8.001	-2.35%	11.98%
100	21	347.228	341.228	6.000	1.73%	8.98%
100	22	346.303	344.415	1.888	0.55%	2.83%
100	23	347.892	349.490	-1.598	-0.46%	2.39%
100	24	346.528	351.348	-4.820	-1.39%	7.21%
100	25	343.827	344.431	-0.605	-0.18%	0.91%
100	26 U	348.066	346.254	1.812	0.52%	2.71%
100	27 U	341.906	339.728	2.178	0.64%	3.26%
100	28 U	348.352	342.793	5.559	1.60%	8.32%
100	29 U	348.110	348.282	-0.172	-0.05%	0.26%
100	30 U	345.812	347.817	-2.005	-0.58%	3.00%
	Max	354.348	351.348	7.259	2.08%	11.98%
	Average	347.663	345.156	2.508	0.72%	5.47%
	Min	341.010	338.796	-8.001	-2.35%	0.26%
	Std Dev	3.160	3.340	3.476	1.00%	3.28%



VDD=3.5V 2.58G Fund F1 Linear				
Test Site				
Tester				
Test Number				
Max Limit	378.5591853	dB		
Min Limit	311.7519185	dB		
kRad	0	30	50	100
LL	311.752	311.752	311.752	311.752
Min	346.513	338.796	339.299	339.728
Average	346.715	344.557	345.019	345.579
Max	346.917	347.531	351.003	351.348
UL	378.559	378.559	378.559	378.559



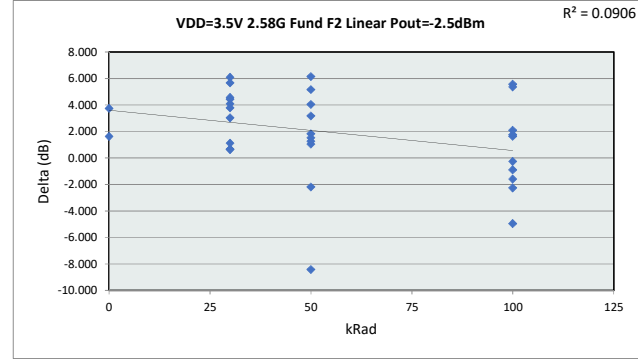
QMLP TID Report

TRF0208 QMLP

VDD=3.5V 2.58G Fund F2 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	376.1327747	376.1327747
Min Limit	309.2436139	309.2436139

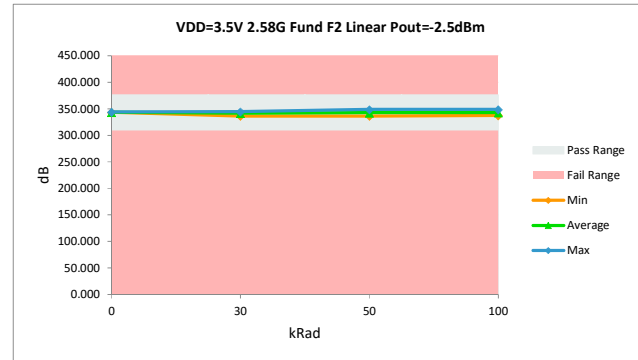
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	347.069	343.298	3.771	1.09%	5.64%
0	C2	345.623	343.968	1.654	0.48%	2.47%
30	1	341.313	337.194	4.119	1.21%	6.16%
30	2	346.948	340.826	6.122	1.76%	9.15%
30	3	346.713	343.645	3.068	0.88%	4.59%
30	4	344.325	343.661	0.664	0.19%	0.99%
30	5	342.465	341.766	0.698	0.20%	1.04%
30	6 U	350.568	344.867	5.700	1.63%	8.52%
30	7 U	345.440	344.292	1.147	0.33%	1.71%
30	8 U	345.465	341.650	3.816	1.10%	5.70%
30	9 U	340.901	336.440	4.461	1.31%	6.67%
30	10 U	349.584	344.981	4.603	1.32%	6.88%
50	11	346.583	348.747	-2.164	-0.62%	3.23%
50	12	343.470	342.177	1.293	0.38%	1.93%
50	13	346.539	343.338	3.201	0.92%	4.79%
50	14	339.884	338.804	1.080	0.32%	1.62%
50	15	340.782	336.706	4.076	1.20%	6.09%
50	16 U	347.442	345.591	1.851	0.53%	2.77%
50	17 U	344.833	338.652	6.181	1.79%	9.24%
50	18 U	344.321	342.774	1.547	0.45%	2.31%
50	19 U	349.342	344.144	5.198	1.49%	7.77%
50	20 U	338.345	346.736	-8.391	-2.48%	12.54%
100	21	344.451	338.848	5.603	1.63%	8.38%
100	22	344.073	341.948	2.125	0.62%	3.18%
100	23	345.356	346.921	-1.565	-0.45%	2.34%
100	24	343.910	348.841	-4.931	-1.43%	7.37%
100	25	341.017	341.888	-0.871	-0.26%	1.30%
100	26 U	345.562	343.889	1.673	0.48%	2.50%
100	27 U	339.302	337.514	1.789	0.53%	2.67%
100	28 U	345.786	340.385	5.401	1.56%	8.08%
100	29 U	345.593	345.825	-0.232	-0.07%	0.35%
100	30 U	343.474	345.707	-2.233	-0.65%	3.34%
	Max	350.568	348.841	6.181	1.79%	12.54%
	Average	344.577	342.688	1.889	0.54%	4.73%
	Min	338.345	336.440	-8.391	-2.48%	0.35%
	Std Dev	2.954	3.344	3.295	0.96%	3.07%



VDD=3.5V 2.58G Fund F2 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	376.1327747	376.1327747
Min Limit	309.2436139	309.2436139

kRad	0	30	50	100
LL	309.244	309.244	309.244	309.244
Min	343.298	336.440	336.706	337.514
Average	343.633	341.932	342.767	343.177
Max	343.968	344.981	348.747	348.841
UL	376.133	376.133	376.133	376.133

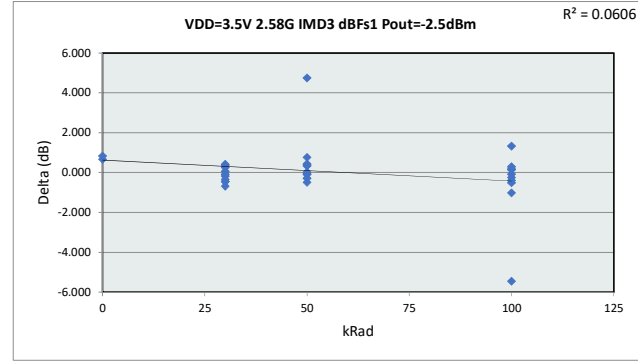


QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G IMD3 dBFs1 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-71.97549782	-71.97549782
Min Limit	-106.63034	-106.63034

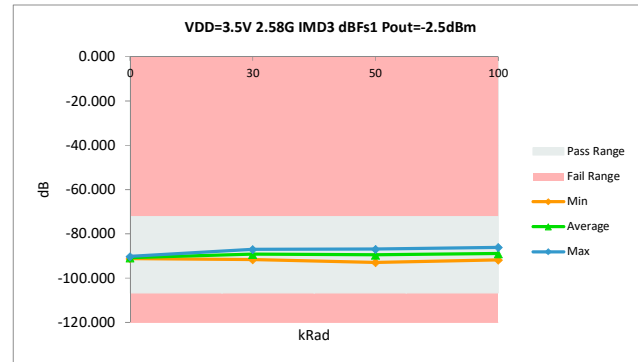
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-90.503	-91.193	0.691	-0.76%	1.99%
0	C2	-89.364	-90.220	0.856	-0.96%	2.47%
30	1	-87.134	-86.979	-0.155	0.18%	0.45%
30	2	-88.395	-88.488	0.093	-0.10%	0.27%
30	3	-87.919	-87.594	-0.325	0.37%	0.94%
30	4	-92.278	-91.620	-0.658	0.71%	1.90%
30	5	-91.502	-91.075	-0.427	0.47%	1.23%
30	6 U	-90.830	-91.271	0.441	-0.49%	1.27%
30	7 U	-87.982	-88.370	0.388	-0.44%	1.12%
30	8 U	-89.185	-88.759	-0.425	0.48%	1.23%
30	9 U	-88.655	-88.590	-0.066	0.07%	0.19%
30	10 U	-88.837	-89.116	0.279	-0.31%	0.80%
50	11	-88.905	-89.294	0.390	-0.44%	1.12%
50	12	-91.018	-91.062	0.044	-0.05%	0.13%
50	13	-89.374	-89.306	-0.067	0.08%	0.19%
50	14	-87.427	-88.209	0.782	-0.89%	2.26%
50	15	-87.363	-86.895	-0.468	0.54%	1.35%
50	16 U	-89.147	-88.878	-0.269	0.30%	0.78%
50	17 U	-90.699	-91.048	0.349	-0.38%	1.01%
50	18 U	-87.142	-87.602	0.460	-0.53%	1.33%
50	19 U	-90.339	-90.280	-0.059	0.07%	0.17%
50	20 U	-88.127	-92.896	4.769	-5.41%	13.76%
100	21	-93.622	-88.192	-5.430	5.80%	15.67%
100	22	-91.051	-90.675	-0.376	0.41%	1.09%
100	23	-88.292	-88.455	0.163	-0.18%	0.47%
100	24	-90.452	-90.227	-0.225	0.25%	0.65%
100	25	-90.417	-91.771	1.354	-1.50%	3.91%
100	26 U	-90.950	-90.467	-0.483	0.53%	1.39%
100	27 U	-86.829	-87.137	0.309	-0.36%	0.89%
100	28 U	-86.107	-86.053	-0.054	0.06%	0.16%
100	29 U	-89.312	-89.512	0.201	-0.22%	0.58%
100	30 U	-87.454	-86.460	-0.994	1.14%	2.87%
	Max	-86.107	-86.053	4.769	5.80%	15.67%
	Average	-89.269	-89.303	0.034	-0.05%	1.99%
	Min	-93.622	-92.896	-5.430	-5.41%	0.13%
	Std Dev	1.746	1.733	1.386	1.52%	3.45%



VDD=3.5V 2.58G IMD3 dBFs1

Test Site		
Tester		
Test Number		
Max Limit	-71.97549782	dB
Min Limit	-106.63034	dB

kRad	0	30	50	100
LL	-106.630	-106.630	-106.630	-106.630
Min	-91.193	-91.620	-92.896	-91.771
Average	-90.707	-89.186	-89.547	-88.895
Max	-90.220	-86.979	-86.895	-86.053
UL	-71.975	-71.975	-71.975	-71.975

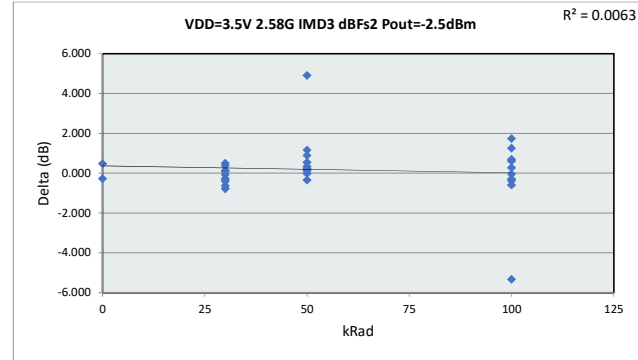


QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G IMD3 dBFs2 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-73.37690879	-73.37690879
Min Limit	-105.6606603	-105.6606603

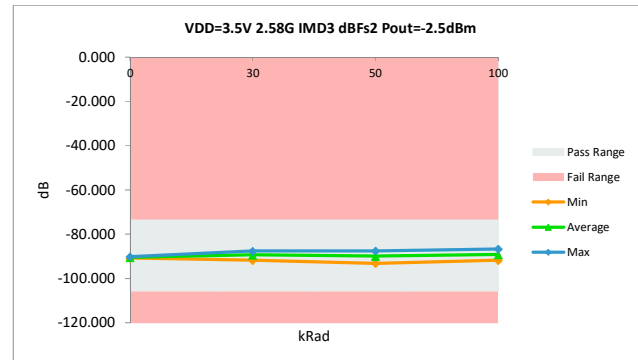
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-91.026	-90.766	-0.260	0.29%	0.81%
0	C2	-89.635	-90.134	0.499	-0.56%	1.55%
30	1	-87.628	-87.573	-0.056	0.06%	0.17%
30	2	-88.415	-88.929	0.514	-0.58%	1.59%
30	3	-88.326	-87.717	-0.609	0.69%	1.89%
30	4	-91.455	-91.605	0.150	-0.16%	0.47%
30	5	-91.278	-90.886	-0.392	0.43%	1.21%
30	6 U	-91.631	-91.741	0.110	-0.12%	0.34%
30	7 U	-88.683	-88.365	-0.318	0.36%	0.99%
30	8 U	-89.677	-88.917	-0.760	0.85%	2.35%
30	9 U	-88.562	-88.957	0.395	-0.45%	1.22%
30	10 U	-89.093	-88.833	-0.260	0.29%	0.81%
50	11	-88.945	-89.853	0.908	-1.02%	2.81%
50	12	-90.705	-91.054	0.349	-0.38%	1.08%
50	13	-89.195	-90.374	1.179	-1.32%	3.65%
50	14	-87.626	-88.191	0.565	-0.64%	1.75%
50	15	-87.258	-87.502	0.244	-0.28%	0.76%
50	16 U	-89.098	-89.316	0.218	-0.25%	0.68%
50	17 U	-90.946	-91.092	0.145	-0.16%	0.45%
50	18 U	-88.132	-87.804	-0.328	0.37%	1.02%
50	19 U	-90.171	-90.171	0.001	0.00%	0.00%
50	20 U	-88.257	-93.187	4.929	-5.59%	15.27%
100	21	-93.641	-88.338	-5.303	5.66%	16.43%
100	22	-90.594	-91.313	0.719	-0.79%	2.23%
100	23	-88.049	-89.328	1.279	-1.45%	3.96%
100	24	-90.508	-90.228	-0.280	0.31%	0.87%
100	25	-90.001	-91.760	1.758	-1.95%	5.45%
100	26 U	-90.470	-90.448	-0.022	0.02%	0.07%
100	27 U	-86.895	-87.525	0.630	-0.72%	1.95%
100	28 U	-86.362	-86.652	0.290	-0.34%	0.90%
100	29 U	-89.530	-88.959	-0.571	0.64%	1.77%
100	30 U	-87.447	-87.089	-0.358	0.41%	1.11%
	Max	-86.362	-86.652	4.929	5.66%	16.43%
	Average	-89.351	-89.519	0.168	-0.20%	2.36%
	Min	-93.641	-93.187	-5.303	-5.59%	0.00%
	Std Dev	1.616	1.614	1.422	1.57%	3.73%



VDD=3.5V 2.58G IMD3 dBFs2

Test Site	
Tester	
Test Number	
Max Limit	-73.37690879 dB
Min Limit	-105.6606603 dB

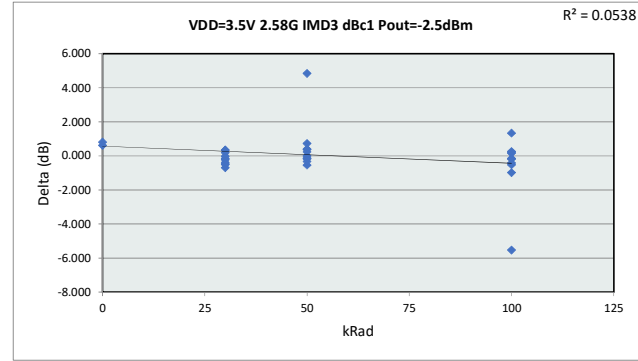
kRad	0	30	50	100
LL	-105.661	-105.661	-105.661	-105.661
Min	-90.766	-91.741	-93.187	-91.760
Average	-90.450	-89.352	-89.854	-89.164
Max	-90.134	-87.573	-87.502	-86.652
UL	-73.377	-73.377	-73.377	-73.377



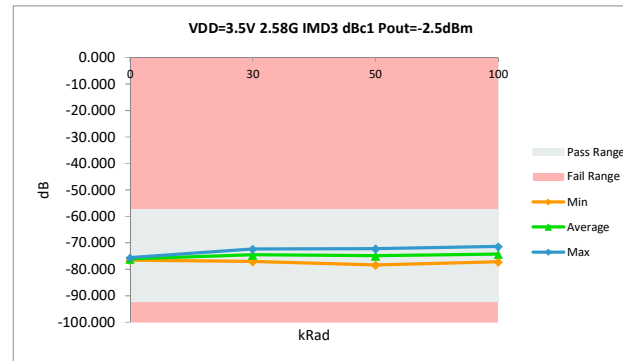
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G IMD3 dBc1 Pout=-2.5dBm		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-57.19492663	-57.19492663
Min Limit	-92.17081414	-92.17081414

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-75.949	-76.591	0.642	-0.84%	1.83%
0	C2	-74.795	-75.622	0.827	-1.11%	2.36%
30	1	-72.505	-72.293	-0.212	0.29%	0.61%
30	2	-73.840	-73.848	0.007	-0.01%	0.02%
30	3	-73.360	-72.994	-0.366	0.50%	1.05%
30	4	-77.686	-77.015	-0.671	0.86%	1.92%
30	5	-76.889	-76.448	-0.441	0.57%	1.26%
30	6 U	-76.324	-76.681	0.357	-0.47%	1.02%
30	7 U	-73.409	-73.771	0.362	-0.49%	1.04%
30	8 U	-74.611	-74.126	-0.485	0.65%	1.39%
30	9 U	-74.023	-73.889	-0.134	0.18%	0.38%
30	10 U	-74.313	-74.522	0.209	-0.28%	0.60%
50	11	-74.344	-74.747	0.403	-0.54%	1.15%
50	12	-76.420	-76.433	0.013	-0.02%	0.04%
50	13	-74.807	-74.693	-0.114	0.15%	0.33%
50	14	-72.781	-73.535	0.753	-1.04%	2.15%
50	15	-72.725	-72.200	-0.524	0.72%	1.50%
50	16 U	-74.602	-74.290	-0.312	0.42%	0.89%
50	17 U	-76.120	-76.378	0.258	-0.34%	0.74%
50	18 U	-72.555	-72.981	0.425	-0.59%	1.22%
50	19 U	-75.817	-75.671	-0.146	0.19%	0.42%
50	20 U	-73.454	-78.325	4.870	-6.63%	13.92%
100	21	-79.028	-73.523	-5.505	6.97%	15.74%
100	22	-76.446	-76.046	-0.400	0.52%	1.14%
100	23	-73.706	-73.889	0.183	-0.25%	0.52%
100	24	-75.849	-75.684	-0.165	0.22%	0.47%
100	25	-75.780	-77.142	1.361	-1.80%	3.89%
100	26 U	-76.367	-75.861	-0.506	0.66%	1.45%
100	27 U	-72.168	-72.449	0.281	-0.39%	0.80%
100	28 U	-71.528	-71.403	-0.124	0.17%	0.36%
100	29 U	-74.729	-74.931	0.203	-0.27%	0.58%
100	30 U	-72.843	-71.873	-0.969	1.33%	2.77%
	Max	-71.528	-71.403	4.870	6.97%	15.74%
	Average	-74.680	-74.683	0.002	-0.02%	1.99%
	Min	-79.028	-78.325	-5.505	-6.63%	0.02%
	Std Dev	1.756	1.749	1.406	1.84%	3.48%



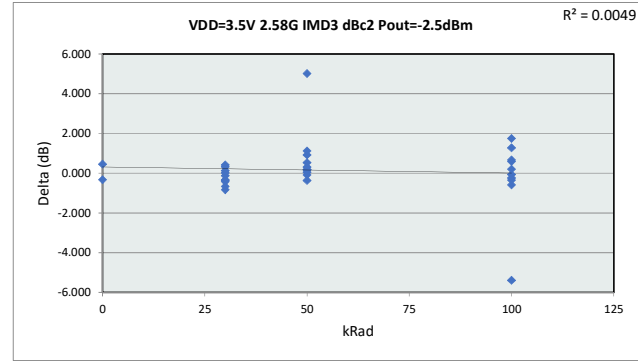
VDD=3.5V 2.58G IMD3 dBc1 Pout=-2.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-57.19492663			dB
Min Limit	-92.17081414			dB
kRad	0	30	50	100
LL	-92.171	-92.171	-92.171	-92.171
Min	-76.591	-77.015	-78.325	-77.142
Average	-76.106	-74.559	-74.925	-74.280
Max	-75.622	-72.293	-72.200	-71.403
UL	-57.195	-57.195	-57.195	-57.195



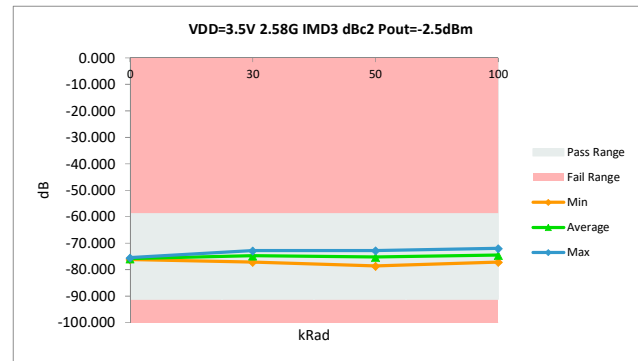
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G IMD3 dBc2 Po		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-58.56939685	-58.56939685
Min Limit	-91.16575349	-91.16575349

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-76.430	-76.122	-0.308	0.40%	0.94%
0	C2	-75.021	-75.499	0.478	-0.64%	1.47%
30	1	-72.960	-72.851	-0.109	0.15%	0.33%
30	2	-73.818	-74.254	0.436	-0.59%	1.34%
30	3	-73.726	-73.079	-0.648	0.88%	1.99%
30	4	-76.825	-76.967	0.142	-0.18%	0.44%
30	5	-76.624	-76.223	-0.401	0.52%	1.23%
30	6 U	-77.079	-77.117	0.039	-0.05%	0.12%
30	7 U	-74.066	-73.734	-0.333	0.45%	1.02%
30	8 U	-75.061	-74.253	-0.808	1.08%	2.48%
30	9 U	-73.888	-74.226	0.338	-0.46%	1.04%
30	10 U	-74.529	-74.211	-0.318	0.43%	0.98%
50	11	-74.343	-75.278	0.935	-1.26%	2.87%
50	12	-76.064	-76.397	0.333	-0.44%	1.02%
50	13	-74.592	-75.731	1.139	-1.53%	3.49%
50	14	-72.940	-73.490	0.551	-0.75%	1.69%
50	15	-72.582	-72.774	0.192	-0.26%	0.59%
50	16 U	-74.506	-74.702	0.195	-0.26%	0.60%
50	17 U	-76.322	-76.389	0.067	-0.09%	0.21%
50	18 U	-73.502	-73.154	-0.348	0.47%	1.07%
50	19 U	-75.603	-75.538	-0.065	0.09%	0.20%
50	20 U	-73.551	-78.587	5.036	-6.85%	15.45%
100	21	-79.012	-73.638	-5.374	6.80%	16.49%
100	22	-75.961	-76.652	0.692	-0.91%	2.12%
100	23	-73.432	-74.730	1.298	-1.77%	3.98%
100	24	-75.872	-75.654	-0.218	0.29%	0.67%
100	25	-75.329	-77.098	1.769	-2.35%	5.43%
100	26 U	-75.855	-75.812	-0.043	0.06%	0.13%
100	27 U	-72.201	-72.808	0.607	-0.84%	1.86%
100	28 U	-71.750	-71.971	0.221	-0.31%	0.68%
100	29 U	-74.915	-74.347	-0.568	0.76%	1.74%
100	30 U	-72.806	-72.476	-0.330	0.45%	1.01%
	Max	-71.750	-71.971	5.036	6.80%	16.49%
	Average	-74.724	-74.868	0.144	-0.21%	2.33%
	Min	-79.012	-78.587	-5.374	-6.85%	0.12%
	Std Dev	1.629	1.630	1.444	1.90%	3.77%



VDD=3.5V 2.58G IMD3 dBc2 P				
Test Site				
Tester				
Test Number				
Max Limit	-58.56939685		dB	
Min Limit	-91.16575349		dB	
kRad	0	30	50	100
LL	-91.166	-91.166	-91.166	-91.166
Min	-76.122	-77.117	-78.587	-77.098
Average	-75.811	-74.692	-75.204	-74.519
Max	-75.499	-72.851	-72.774	-71.971
UL	-58.569	-58.569	-58.569	-58.569

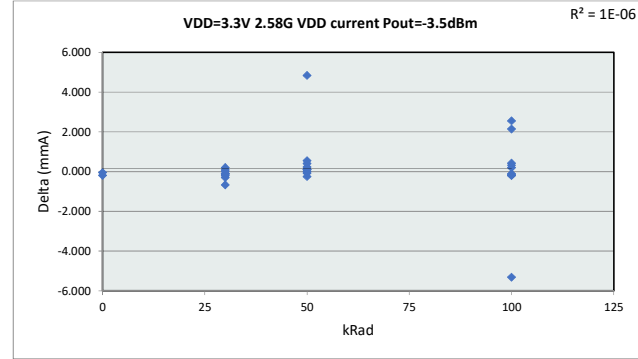


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G VDD current P

Test Site		
Tester		
Test Number		
Unit	mmA	mmA
Max Limit	168.2442165	168.2442165
Min Limit	131.0497002	131.0497002

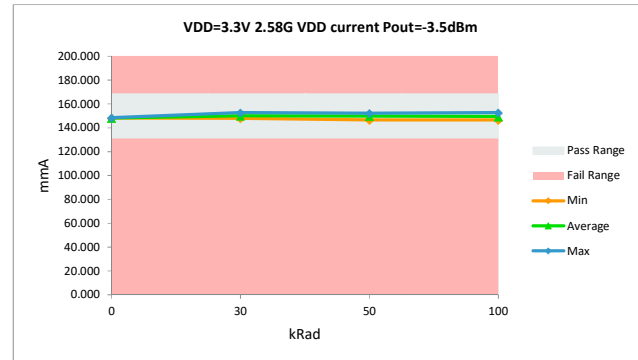
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	148.319	148.491	-0.172	-0.12%	0.46%
0	C2	148.047	148.074	-0.027	-0.02%	0.07%
30	1	149.786	149.871	-0.085	-0.06%	0.23%
30	2	149.603	149.693	-0.090	-0.06%	0.24%
30	3	152.388	152.668	-0.280	-0.18%	0.75%
30	4	147.625	147.805	-0.180	-0.12%	0.48%
30	5	152.057	151.952	0.105	0.07%	0.28%
30	6 U	148.758	148.901	-0.143	-0.10%	0.39%
30	7 U	149.939	149.719	0.220	0.15%	0.59%
30	8 U	148.239	148.880	-0.641	-0.43%	1.72%
30	9 U	151.280	151.357	-0.077	-0.05%	0.21%
30	10 U	149.899	149.858	0.041	0.03%	0.11%
50	11	149.030	148.453	0.577	0.39%	1.55%
50	12	152.365	151.935	0.430	0.28%	1.16%
50	13	148.859	148.740	0.119	0.08%	0.32%
50	14	150.319	150.171	0.147	0.10%	0.40%
50	15	152.386	152.266	0.119	0.08%	0.32%
50	16 U	146.246	146.477	-0.231	-0.16%	0.62%
50	17 U	150.230	150.284	-0.054	-0.04%	0.15%
50	18 U	151.599	151.343	0.256	0.17%	0.69%
50	19 U	149.792	149.768	0.024	0.02%	0.06%
50	20 U	152.623	147.760	4.863	3.19%	13.08%
100	21	147.202	152.492	-5.290	-3.59%	14.22%
100	22	148.406	148.066	0.340	0.23%	0.91%
100	23	148.731	148.280	0.451	0.30%	1.21%
100	24	149.121	146.550	2.571	1.72%	6.91%
100	25	150.282	148.114	2.168	1.44%	5.83%
100	26 U	146.982	147.076	-0.093	-0.06%	0.25%
100	27 U	152.722	152.504	0.219	0.14%	0.59%
100	28 U	152.378	152.556	-0.178	-0.12%	0.48%
100	29 U	148.195	148.301	-0.106	-0.07%	0.29%
100	30 U	150.140	150.299	-0.159	-0.11%	0.43%
	Max	152.722	152.668	4.863	3.19%	14.22%
	Average	149.798	149.647	0.151	0.10%	1.72%
	Min	146.246	146.477	-5.290	-3.59%	0.06%
	Std Dev	1.822	1.860	1.437	0.96%	3.47%



VDD=3.3V 2.58G VDD current

Test Site	
Tester	
Test Number	
Max Limit	168.2442165 mmA
Min Limit	131.0497002 mmA

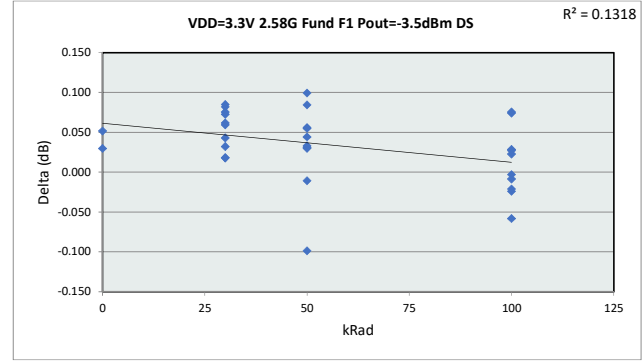
kRad	0	30	50	100
LL	131.050	131.050	131.050	131.050
Min	148.074	147.805	146.477	146.550
Average	148.282	150.070	149.720	149.424
Max	148.491	152.668	152.266	152.556
UL	168.244	168.244	168.244	168.244



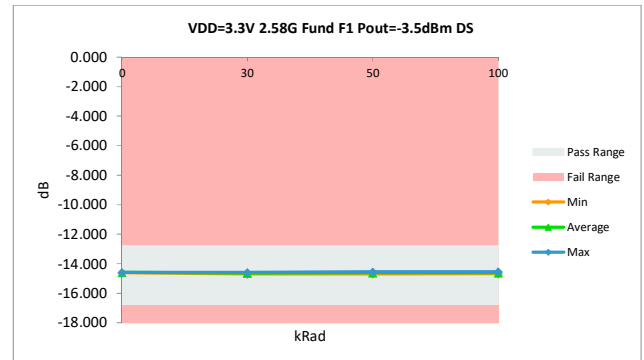
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G Fund F1 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-12.75	-12.75
Min Limit	-16.75	-16.75

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.542	-14.594	0.052	-0.36%	1.30%
0	C2	-14.559	-14.589	0.030	-0.21%	0.75%
30	1	-14.616	-14.678	0.062	-0.43%	1.56%
30	2	-14.545	-14.630	0.085	-0.59%	2.13%
30	3	-14.548	-14.591	0.043	-0.30%	1.09%
30	4	-14.576	-14.594	0.019	-0.13%	0.46%
30	5	-14.600	-14.618	0.018	-0.13%	0.46%
30	6 U	-14.496	-14.578	0.082	-0.57%	2.06%
30	7 U	-14.561	-14.593	0.033	-0.22%	0.81%
30	8 U	-14.566	-14.626	0.060	-0.41%	1.50%
30	9 U	-14.620	-14.696	0.076	-0.52%	1.90%
30	10 U	-14.517	-14.590	0.073	-0.50%	1.82%
50	11	-14.551	-14.540	-0.010	0.07%	0.26%
50	12	-14.587	-14.618	0.032	-0.22%	0.79%
50	13	-14.554	-14.610	0.057	-0.39%	1.41%
50	14	-14.636	-14.666	0.030	-0.21%	0.76%
50	15	-14.629	-14.684	0.055	-0.38%	1.39%
50	16 U	-14.537	-14.581	0.045	-0.31%	1.12%
50	17 U	-14.566	-14.666	0.100	-0.68%	2.49%
50	18 U	-14.579	-14.613	0.034	-0.23%	0.84%
50	19 U	-14.514	-14.599	0.085	-0.58%	2.12%
50	20 U	-14.660	-14.561	-0.098	0.67%	2.46%
100	21	-14.582	-14.658	0.076	-0.52%	1.90%
100	22	-14.592	-14.620	0.028	-0.19%	0.69%
100	23	-14.576	-14.556	-0.021	0.14%	0.52%
100	24	-14.592	-14.534	-0.058	0.40%	1.44%
100	25	-14.626	-14.618	-0.008	0.06%	0.20%
100	26 U	-14.574	-14.597	0.023	-0.16%	0.58%
100	27 U	-14.652	-14.681	0.029	-0.20%	0.72%
100	28 U	-14.567	-14.641	0.074	-0.51%	1.86%
100	29 U	-14.575	-14.572	-0.003	0.02%	0.06%
100	30 U	-14.602	-14.578	-0.024	0.16%	0.59%
	Max	-14.496	-14.534	0.100	0.67%	2.49%
	Average	-14.578	-14.612	0.034	-0.23%	1.19%
	Min	-14.660	-14.696	-0.098	-0.68%	0.06%
	Std Dev	0.039	0.042	0.044	0.30%	0.69%



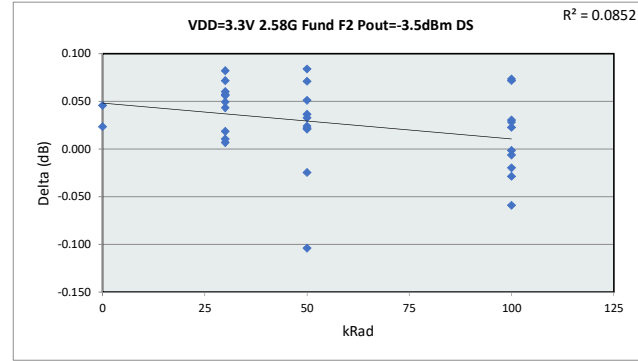
VDD=3.3V 2.58G Fund F1 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-12.75		dB	
Min Limit	-16.75		dB	
kRad	0	30	50	100
LL	-16.750	-16.750	-16.750	-16.750
Min	-14.594	-14.696	-14.684	-14.681
Average	-14.592	-14.620	-14.614	-14.606
Max	-14.589	-14.578	-14.540	-14.534
UL	-12.750	-12.750	-12.750	-12.750



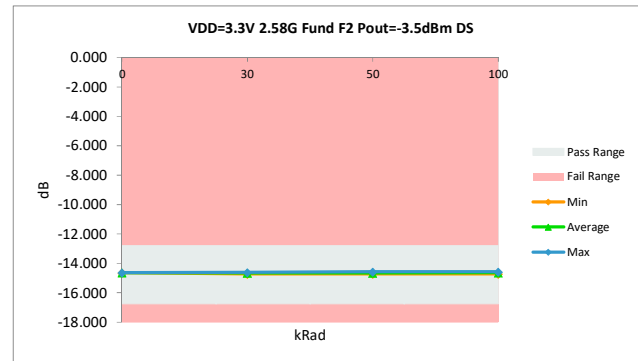
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G Fund F2 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-12.75	-12.75
Min Limit	-16.75	-16.75

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.587	-14.633	0.046	-0.32%	1.15%
0	C2	-14.602	-14.626	0.024	-0.16%	0.59%
30	1	-14.660	-14.716	0.057	-0.39%	1.42%
30	2	-14.584	-14.667	0.083	-0.57%	2.06%
30	3	-14.587	-14.631	0.044	-0.30%	1.09%
30	4	-14.620	-14.631	0.011	-0.07%	0.27%
30	5	-14.646	-14.653	0.007	-0.05%	0.18%
30	6 U	-14.542	-14.614	0.072	-0.50%	1.80%
30	7 U	-14.604	-14.623	0.019	-0.13%	0.47%
30	8 U	-14.607	-14.656	0.050	-0.34%	1.24%
30	9 U	-14.664	-14.725	0.061	-0.41%	1.51%
30	10 U	-14.560	-14.618	0.058	-0.40%	1.44%
50	11	-14.592	-14.568	-0.024	0.16%	0.60%
50	12	-14.629	-14.652	0.022	-0.15%	0.56%
50	13	-14.595	-14.632	0.037	-0.25%	0.92%
50	14	-14.675	-14.696	0.021	-0.15%	0.53%
50	15	-14.666	-14.717	0.052	-0.35%	1.29%
50	16 U	-14.580	-14.613	0.033	-0.23%	0.83%
50	17 U	-14.614	-14.698	0.084	-0.58%	2.11%
50	18 U	-14.621	-14.646	0.025	-0.17%	0.62%
50	19 U	-14.555	-14.627	0.071	-0.49%	1.79%
50	20 U	-14.697	-14.593	-0.103	0.70%	2.59%
100	21	-14.618	-14.691	0.072	-0.49%	1.80%
100	22	-14.623	-14.653	0.031	-0.21%	0.77%
100	23	-14.608	-14.589	-0.019	0.13%	0.48%
100	24	-14.627	-14.569	-0.059	0.40%	1.46%
100	25	-14.658	-14.652	-0.006	0.04%	0.15%
100	26 U	-14.608	-14.631	0.023	-0.16%	0.58%
100	27 U	-14.685	-14.713	0.029	-0.19%	0.71%
100	28 U	-14.601	-14.675	0.074	-0.51%	1.85%
100	29 U	-14.607	-14.606	-0.001	0.01%	0.02%
100	30 U	-14.632	-14.604	-0.028	0.19%	0.70%
	Max	-14.542	-14.568	0.084	0.70%	2.59%
	Average	-14.617	-14.644	0.027	-0.18%	1.05%
	Min	-14.697	-14.725	-0.103	-0.58%	0.02%
	Std Dev	0.037	0.043	0.042	0.29%	0.65%



VDD=3.3V 2.58G Fund F2 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-12.75		dB	
Min Limit	-16.75		dB	
kRad	0	30	50	100
LL	-16.750	-16.750	-16.750	-16.750
Min	-14.633	-14.725	-14.717	-14.713
Average	-14.629	-14.653	-14.644	-14.638
Max	-14.626	-14.614	-14.568	-14.569
UL	-12.750	-12.750	-12.750	-12.750

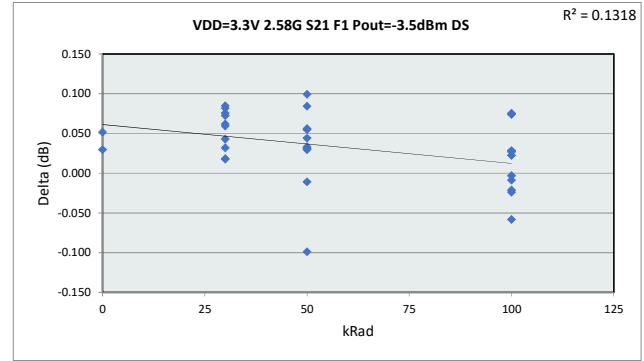


QMLP TID Report
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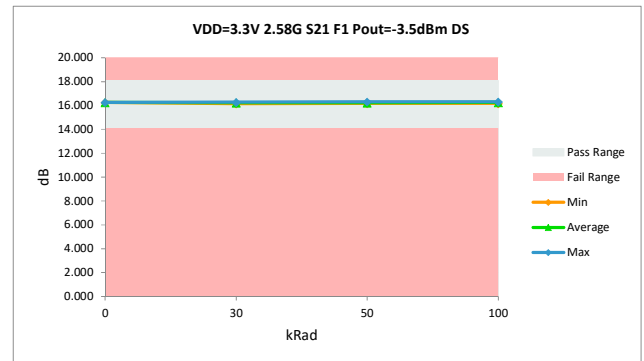
VDD=3.3V 2.58G S21 F1 Pout=

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	18.10000038	18.10000038
Min Limit	14.10000038	14.10000038

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	16.318	16.266	0.052	0.32%	1.30%
0	C2	16.301	16.271	0.030	0.19%	0.75%
30	1	16.244	16.182	0.062	0.38%	1.56%
30	2	16.315	16.230	0.085	0.52%	2.13%
30	3	16.312	16.269	0.043	0.27%	1.09%
30	4	16.284	16.266	0.019	0.11%	0.46%
30	5	16.260	16.242	0.018	0.11%	0.46%
30	6 U	16.364	16.282	0.082	0.50%	2.06%
30	7 U	16.299	16.267	0.033	0.20%	0.81%
30	8 U	16.294	16.234	0.060	0.37%	1.50%
30	9 U	16.240	16.164	0.076	0.47%	1.90%
30	10 U	16.343	16.270	0.073	0.45%	1.82%
50	11	16.309	16.320	-0.010	-0.06%	0.26%
50	12	16.273	16.242	0.032	0.19%	0.79%
50	13	16.306	16.250	0.057	0.35%	1.41%
50	14	16.224	16.194	0.030	0.19%	0.76%
50	15	16.231	16.176	0.055	0.34%	1.39%
50	16 U	16.323	16.279	0.045	0.27%	1.12%
50	17 U	16.294	16.194	0.100	0.61%	2.49%
50	18 U	16.281	16.247	0.034	0.21%	0.84%
50	19 U	16.346	16.261	0.085	0.52%	2.12%
50	20 U	16.200	16.299	-0.098	-0.61%	2.46%
100	21	16.278	16.202	0.076	0.47%	1.90%
100	22	16.268	16.240	0.028	0.17%	0.69%
100	23	16.284	16.304	-0.021	-0.13%	0.52%
100	24	16.268	16.326	-0.058	-0.36%	1.44%
100	25	16.234	16.242	-0.008	-0.05%	0.20%
100	26 U	16.286	16.263	0.023	0.14%	0.58%
100	27 U	16.208	16.179	0.029	0.18%	0.72%
100	28 U	16.293	16.219	0.074	0.46%	1.86%
100	29 U	16.285	16.288	-0.003	-0.02%	0.06%
100	30 U	16.258	16.282	-0.024	-0.14%	0.59%
	Max	16.364	16.326	0.100	0.61%	2.49%
	Average	16.282	16.248	0.034	0.21%	1.19%
	Min	16.200	16.164	-0.098	-0.61%	0.06%
	Std Dev	0.039	0.042	0.044	0.27%	0.69%



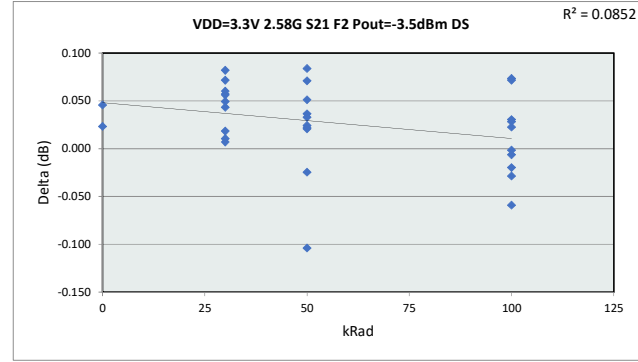
VDD=3.3V 2.58G S21 F1 Pout				
Test Site				
Tester				
Test Number				
Max Limit	18.10000038	dB		
Min Limit	14.10000038	dB		
kRad	0	30	50	100
LL	14.100	14.100	14.100	14.100
Min	16.266	16.164	16.176	16.179
Average	16.268	16.240	16.246	16.254
Max	16.271	16.282	16.320	16.326
UL	18.100	18.100	18.100	18.100



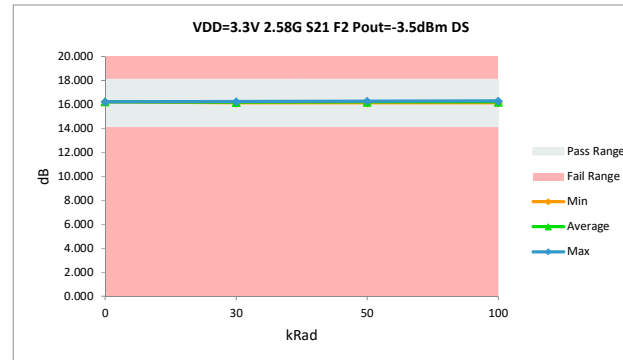
QMLP TID Report
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VDD=3.3V 2.58G S21 F2 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	18.10000038	18.10000038
Min Limit	14.10000038	14.10000038

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	16.273	16.227	0.046	0.28%	1.15%
0	C2	16.258	16.234	0.024	0.15%	0.59%
30	1	16.200	16.144	0.057	0.35%	1.42%
30	2	16.276	16.193	0.083	0.51%	2.06%
30	3	16.273	16.229	0.044	0.27%	1.10%
30	4	16.240	16.229	0.011	0.07%	0.27%
30	5	16.214	16.207	0.007	0.05%	0.18%
30	6 U	16.318	16.246	0.072	0.44%	1.80%
30	7 U	16.256	16.237	0.019	0.12%	0.47%
30	8 U	16.253	16.204	0.050	0.31%	1.24%
30	9 U	16.196	16.135	0.061	0.37%	1.51%
30	10 U	16.300	16.242	0.058	0.35%	1.44%
50	11	16.268	16.292	-0.024	-0.15%	0.60%
50	12	16.231	16.208	0.022	0.14%	0.56%
50	13	16.265	16.228	0.037	0.23%	0.92%
50	14	16.185	16.164	0.021	0.13%	0.53%
50	15	16.194	16.143	0.052	0.32%	1.29%
50	16 U	16.280	16.247	0.033	0.20%	0.83%
50	17 U	16.246	16.162	0.084	0.52%	2.11%
50	18 U	16.239	16.214	0.025	0.15%	0.62%
50	19 U	16.305	16.233	0.071	0.44%	1.78%
50	20 U	16.163	16.267	-0.103	-0.64%	2.59%
100	21	16.242	16.169	0.072	0.44%	1.80%
100	22	16.237	16.207	0.031	0.19%	0.77%
100	23	16.252	16.271	-0.019	-0.12%	0.48%
100	24	16.233	16.291	-0.059	-0.36%	1.46%
100	25	16.202	16.208	-0.006	-0.04%	0.15%
100	26 U	16.252	16.229	0.023	0.14%	0.58%
100	27 U	16.175	16.147	0.029	0.18%	0.71%
100	28 U	16.259	16.185	0.074	0.45%	1.85%
100	29 U	16.253	16.254	-0.001	-0.01%	0.02%
100	30 U	16.228	16.256	-0.028	-0.17%	0.70%
	Max	16.318	16.292	0.084	0.52%	2.59%
	Average	16.243	16.216	0.027	0.17%	1.05%
	Min	16.163	16.135	-0.103	-0.64%	0.02%
	Std Dev	0.037	0.043	0.042	0.26%	0.65%



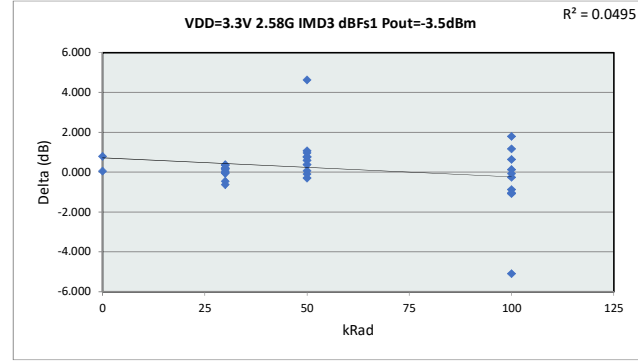
VDD=3.3V 2.58G S21 F2 Pout=-				
Test Site				
Tester				
Test Number				
Max Limit	18.10000038		dB	
Min Limit	14.10000038		dB	
kRad	0	30	50	100
LL	14.100	14.100	14.100	14.100
Min	16.227	16.135	16.143	16.147
Average	16.231	16.207	16.216	16.222
Max	16.234	16.246	16.292	16.291
UL	18.100	18.100	18.100	18.100



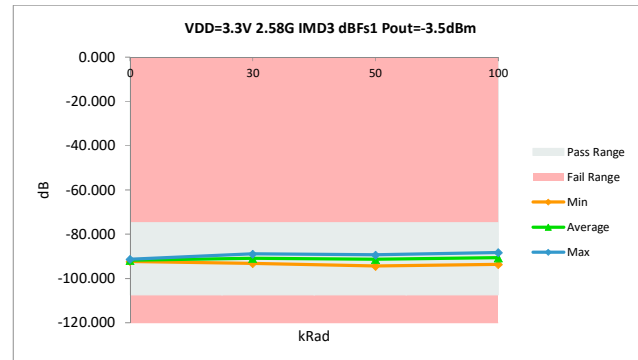
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G IMD3 dBFs1 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-74.51178174	-74.51178174
Min Limit	-107.411499	-107.411499

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-91.491	-92.302	0.811	-0.89%	2.47%
0	C2	-91.178	-91.246	0.068	-0.07%	0.21%
30	1	-88.871	-88.869	-0.003	0.00%	0.01%
30	2	-90.207	-90.413	0.206	-0.23%	0.63%
30	3	-89.117	-89.488	0.371	-0.42%	1.13%
30	4	-92.735	-93.119	0.385	-0.41%	1.17%
30	5	-92.827	-93.053	0.225	-0.24%	0.69%
30	6 U	-93.062	-92.456	-0.606	0.65%	1.84%
30	7 U	-90.158	-90.332	0.174	-0.19%	0.53%
30	8 U	-90.689	-90.246	-0.443	0.49%	1.35%
30	9 U	-90.078	-90.150	0.071	-0.08%	0.22%
30	10 U	-90.283	-90.247	-0.036	0.04%	0.11%
50	11	-90.451	-91.548	1.097	-1.21%	3.33%
50	12	-92.200	-92.986	0.786	-0.85%	2.39%
50	13	-90.646	-91.427	0.781	-0.86%	2.37%
50	14	-89.721	-89.445	-0.276	0.31%	0.84%
50	15	-88.356	-89.345	0.989	-1.12%	3.01%
50	16 U	-90.466	-90.395	-0.070	0.08%	0.21%
50	17 U	-92.272	-92.879	0.607	-0.66%	1.85%
50	18 U	-89.461	-89.552	0.092	-0.10%	0.28%
50	19 U	-91.264	-91.666	0.402	-0.44%	1.22%
50	20 U	-89.705	-94.353	4.648	-5.18%	14.13%
100	21	-94.827	-89.756	-5.072	5.35%	15.42%
100	22	-91.975	-93.161	1.186	-1.29%	3.61%
100	23	-89.847	-90.501	0.654	-0.73%	1.99%
100	24	-92.168	-91.926	-0.242	0.26%	0.74%
100	25	-91.734	-93.553	1.819	-1.98%	5.53%
100	26 U	-92.121	-91.098	-1.023	1.11%	3.11%
100	27 U	-88.644	-88.590	-0.054	0.06%	0.16%
100	28 U	-88.079	-88.226	0.147	-0.17%	0.45%
100	29 U	-90.966	-89.907	-1.060	1.16%	3.22%
100	30 U	-89.393	-88.539	-0.854	0.96%	2.60%
Max		-88.079	-88.226	4.648	5.35%	15.42%
Average		-90.781	-90.962	0.181	-0.21%	2.40%
Min		-94.827	-94.353	-5.072	-5.18%	0.01%
Std Dev		1.540	1.645	1.392	1.51%	3.50%



VDD=3.3V 2.58G IMD3 dBFs1				
Test Site				
Tester				
Test Number				
Max Limit	-74.51178174		dB	
Min Limit	-107.411499		dB	
kRad	0	30	50	100
LL	-107.411	-107.411	-107.411	-107.411
Min	-92.302	-93.119	-94.353	-93.553
Average	-91.774	-90.837	-91.360	-90.526
Max	-91.246	-88.869	-89.345	-88.226
UL	-74.512	-74.512	-74.512	-74.512

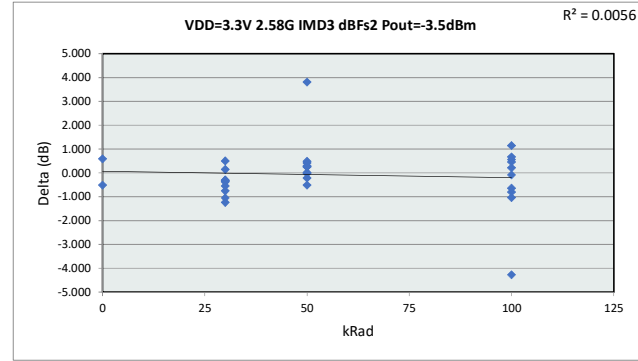


QMLP TID Report
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VDD=3.3V 2.58G IMD3 dBFs2 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-76.19330422	-76.19330422
Min Limit	-105.6453532	-105.6453532

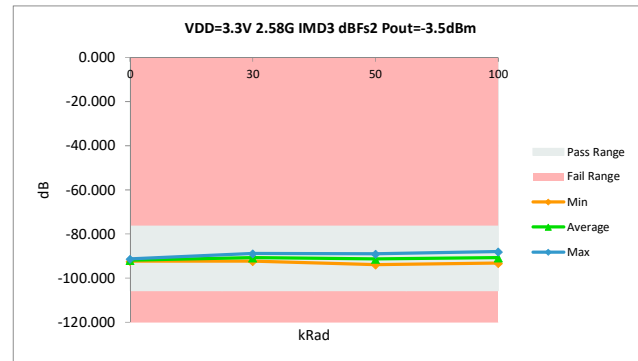
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-92.814	-92.316	-0.498	0.54%	1.69%
0	C2	-90.682	-91.291	0.609	-0.67%	2.07%
30	1	-89.575	-88.836	-0.739	0.82%	2.51%
30	2	-90.135	-90.655	0.520	-0.58%	1.77%
30	3	-89.906	-89.620	-0.286	0.32%	0.97%
30	4	-93.545	-92.320	-1.225	1.31%	4.16%
30	5	-92.051	-92.214	0.163	-0.18%	0.55%
30	6 U	-92.693	-92.159	-0.533	0.58%	1.81%
30	7 U	-90.434	-90.107	-0.327	0.36%	1.11%
30	8 U	-91.292	-90.258	-1.034	1.13%	3.51%
30	9 U	-90.487	-90.196	-0.291	0.32%	0.99%
30	10 U	-90.592	-90.230	-0.362	0.40%	1.23%
50	11	-91.067	-91.064	-0.003	0.00%	0.01%
50	12	-92.198	-92.470	0.271	-0.29%	0.92%
50	13	-91.326	-91.636	0.310	-0.34%	1.05%
50	14	-89.238	-89.036	-0.202	0.23%	0.68%
50	15	-88.908	-89.348	0.439	-0.49%	1.49%
50	16 U	-90.889	-91.392	0.503	-0.55%	1.71%
50	17 U	-92.512	-92.550	0.038	-0.04%	0.13%
50	18 U	-89.306	-89.582	0.276	-0.31%	0.94%
50	19 U	-92.177	-91.680	-0.497	0.54%	1.69%
50	20 U	-90.123	-93.950	3.827	-4.25%	12.99%
100	21	-94.453	-90.193	-4.260	4.51%	14.47%
100	22	-92.502	-93.186	0.684	-0.74%	2.32%
100	23	-89.999	-90.575	0.577	-0.64%	1.96%
100	24	-92.619	-91.595	-1.024	1.11%	3.48%
100	25	-91.628	-92.793	1.165	-1.27%	3.96%
100	26 U	-92.488	-91.703	-0.786	0.85%	2.67%
100	27 U	-88.690	-88.914	0.224	-0.25%	0.76%
100	28 U	-88.045	-87.973	-0.072	0.08%	0.25%
100	29 U	-90.484	-90.962	0.479	-0.53%	1.63%
100	30 U	-89.239	-88.615	-0.624	0.70%	2.12%
	Max	-88.045	-87.973	3.827	4.51%	14.47%
	Average	-91.003	-90.919	-0.084	0.08%	2.42%
	Min	-94.453	-93.950	-4.260	-4.25%	0.01%
	Std Dev	1.533	1.473	1.175	1.27%	3.15%



VDD=3.3V 2.58G IMD3 dBFs2

Test Site	
Tester	
Test Number	
Max Limit	-76.19330422 dB
Min Limit	-105.6453532 dB

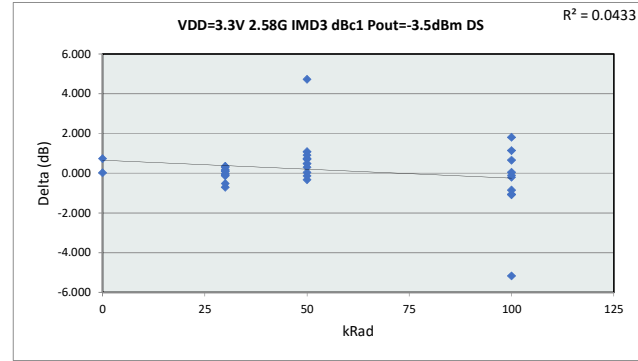
kRad	0	30	50	100
LL	-105.645	-105.645	-105.645	-105.645
Min	-92.316	-92.320	-93.950	-93.186
Average	-91.803	-90.660	-91.271	-90.651
Max	-91.291	-88.836	-89.036	-87.973
UL	-76.193	-76.193	-76.193	-76.193



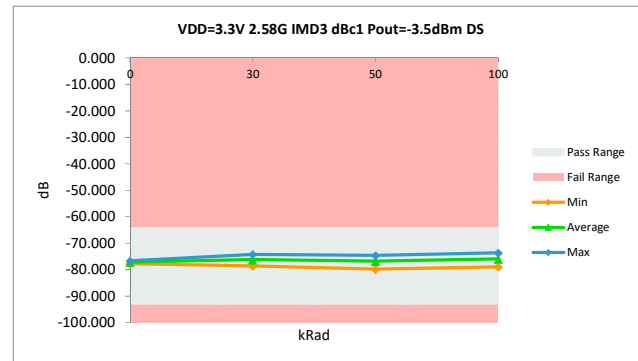
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G IMD3 dBc1 Pout	
Test Site	
Tester	
Test Number	
Unit	dB
Max Limit	-64
Min Limit	-92.95342346

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-76.949	-77.708	0.759	-0.99%	2.62%
0	C2	-76.619	-76.657	0.038	-0.05%	0.13%
30	1	-74.255	-74.191	-0.065	0.09%	0.22%
30	2	-75.662	-75.783	0.121	-0.16%	0.42%
30	3	-74.569	-74.897	0.328	-0.44%	1.13%
30	4	-78.159	-78.525	0.366	-0.47%	1.26%
30	5	-78.228	-78.435	0.207	-0.26%	0.72%
30	6 U	-78.566	-77.878	-0.689	0.88%	2.38%
30	7 U	-75.597	-75.738	0.141	-0.19%	0.49%
30	8 U	-76.123	-75.620	-0.503	0.66%	1.74%
30	9 U	-75.458	-75.454	-0.005	0.01%	0.02%
30	10 U	-75.765	-75.656	-0.109	0.14%	0.38%
50	11	-75.900	-77.007	1.107	-1.46%	3.82%
50	12	-77.613	-78.368	0.755	-0.97%	2.61%
50	13	-76.092	-76.816	0.724	-0.95%	2.50%
50	14	-75.085	-74.778	-0.307	0.41%	1.06%
50	15	-73.727	-74.661	0.933	-1.27%	3.22%
50	16 U	-75.929	-75.814	-0.115	0.15%	0.40%
50	17 U	-77.706	-78.214	0.508	-0.65%	1.75%
50	18 U	-74.882	-74.940	0.058	-0.08%	0.20%
50	19 U	-76.750	-77.068	0.318	-0.41%	1.10%
50	20 U	-75.046	-79.792	4.746	-6.32%	16.39%
100	21	-80.245	-75.097	-5.147	6.41%	17.78%
100	22	-77.383	-78.541	1.159	-1.50%	4.00%
100	23	-75.271	-75.945	0.674	-0.90%	2.33%
100	24	-77.576	-77.391	-0.185	0.24%	0.64%
100	25	-77.108	-78.935	1.827	-2.37%	6.31%
100	26 U	-77.547	-76.501	-1.046	1.35%	3.61%
100	27 U	-73.992	-73.909	-0.083	0.11%	0.29%
100	28 U	-73.512	-73.585	0.073	-0.10%	0.25%
100	29 U	-76.391	-75.334	-1.057	1.38%	3.65%
100	30 U	-74.791	-73.961	-0.830	1.11%	2.87%
	Max	-73.512	-73.585	4.746	6.41%	17.78%
	Average	-76.203	-76.350	0.147	-0.21%	2.70%
	Min	-80.245	-79.792	-5.147	-6.32%	0.02%
	Std Dev	1.551	1.660	1.411	1.82%	4.06%



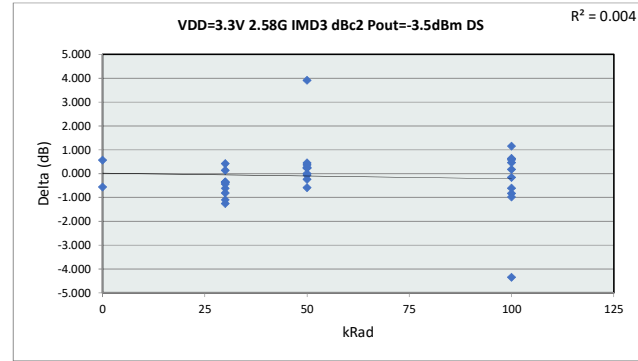
VDD=3.3V 2.58G IMD3 dBc1 Pout=-3.5dBm DS				
Test Site				
Tester				
Test Number				
Max Limit	-64	dB		
Min Limit	-92.95342346	dB		
kRad	0	30	50	100
LL	-92.953	-92.953	-92.953	-92.953
Min	-77.708	-78.525	-79.792	-78.935
Average	-77.182	-76.218	-76.746	-75.920
Max	-76.657	-74.191	-74.661	-73.585
UL	-64.000	-64.000	-64.000	-64.000



QMLP TID Report
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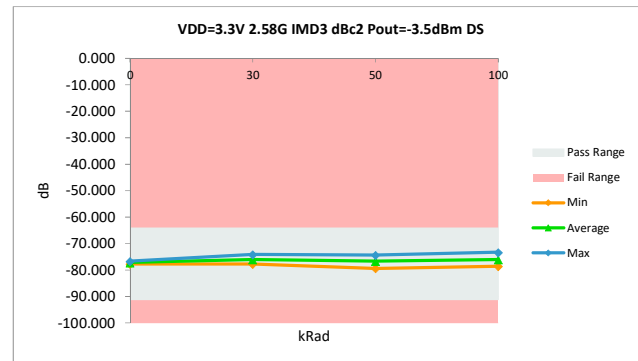
VDD=3.3V 2.58G IMD3 dBc2 Po	
Test Site	
Tester	
Test Number	
Unit	
Max Limit	-64
Min Limit	-91.16669887

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-78.227	-77.683	-0.544	0.70%	2.00%
0	C2	-76.080	-76.664	0.585	-0.77%	2.15%
30	1	-74.915	-74.120	-0.795	1.06%	2.93%
30	2	-75.551	-75.989	0.437	-0.58%	1.61%
30	3	-75.319	-74.989	-0.330	0.44%	1.21%
30	4	-78.925	-77.689	-1.236	1.57%	4.55%
30	5	-77.406	-77.561	0.155	-0.20%	0.57%
30	6 U	-78.151	-77.546	-0.605	0.77%	2.23%
30	7 U	-75.830	-75.484	-0.345	0.46%	1.27%
30	8 U	-76.685	-75.602	-1.083	1.41%	3.99%
30	9 U	-75.823	-75.471	-0.352	0.46%	1.30%
30	10 U	-76.032	-75.612	-0.420	0.55%	1.54%
50	11	-76.475	-76.496	0.021	-0.03%	0.08%
50	12	-77.569	-77.818	0.249	-0.32%	0.92%
50	13	-76.732	-77.005	0.273	-0.36%	1.00%
50	14	-74.563	-74.340	-0.223	0.30%	0.82%
50	15	-74.243	-74.631	0.388	-0.52%	1.43%
50	16 U	-76.309	-76.779	0.470	-0.62%	1.73%
50	17 U	-77.898	-77.851	-0.047	0.06%	0.17%
50	18 U	-74.684	-74.935	0.251	-0.34%	0.92%
50	19 U	-77.622	-77.053	-0.569	0.73%	2.09%
50	20 U	-75.427	-79.357	3.930	-5.21%	14.47%
100	21	-79.835	-75.502	-4.332	5.43%	15.95%
100	22	-77.879	-78.532	0.653	-0.84%	2.40%
100	23	-75.391	-75.987	0.596	-0.79%	2.19%
100	24	-77.991	-77.026	-0.965	1.24%	3.55%
100	25	-76.970	-78.141	1.171	-1.52%	4.31%
100	26 U	-77.881	-77.072	-0.809	1.04%	2.98%
100	27 U	-74.005	-74.201	0.196	-0.26%	0.72%
100	28 U	-73.444	-73.298	-0.146	0.20%	0.54%
100	29 U	-75.877	-76.357	0.480	-0.63%	1.77%
100	30 U	-74.607	-74.011	-0.596	0.80%	2.19%
Max		-73.444	-73.298	3.930	5.43%	15.95%
Average		-76.386	-76.275	-0.111	0.13%	2.67%
Min		-79.835	-79.357	-4.332	-5.21%	0.08%
Std Dev		1.545	1.489	1.195	1.54%	3.48%



VDD=3.3V 2.58G IMD3 dBc2 P	
Test Site	
Tester	
Test Number	
Max Limit	-64
Min Limit	-91.16669887

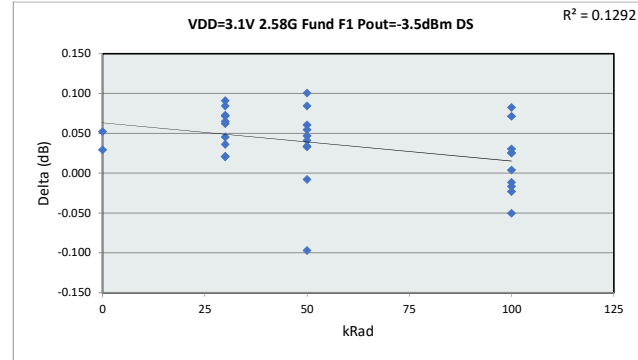
kRad	0	30	50	100
LL	-91.167	-91.167	-91.167	-91.167
Min	-77.683	-77.689	-79.357	-78.532
Average	-77.174	-76.006	-76.627	-76.013
Max	-76.664	-74.120	-74.340	-73.298
UL	-64.000	-64.000	-64.000	-64.000



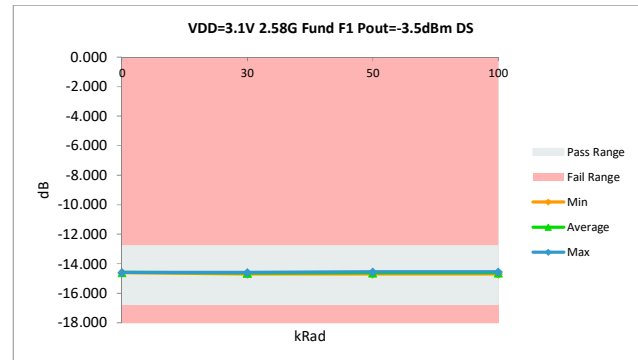
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G Fund F1 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-12.75	-12.75
Min Limit	-16.75	-16.75

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.542	-14.594	0.053	-0.36%	1.32%
0	C2	-14.558	-14.588	0.030	-0.20%	0.74%
30	1	-14.617	-14.683	0.065	-0.45%	1.63%
30	2	-14.545	-14.636	0.091	-0.63%	2.28%
30	3	-14.548	-14.594	0.046	-0.32%	1.15%
30	4	-14.578	-14.599	0.021	-0.14%	0.52%
30	5	-14.599	-14.620	0.022	-0.15%	0.54%
30	6 U	-14.495	-14.580	0.085	-0.58%	2.12%
30	7 U	-14.560	-14.596	0.037	-0.25%	0.92%
30	8 U	-14.567	-14.629	0.063	-0.43%	1.57%
30	9 U	-14.621	-14.694	0.073	-0.50%	1.83%
30	10 U	-14.517	-14.589	0.072	-0.50%	1.80%
50	11	-14.551	-14.544	-0.007	0.05%	0.18%
50	12	-14.583	-14.617	0.034	-0.24%	0.86%
50	13	-14.554	-14.609	0.055	-0.38%	1.38%
50	14	-14.636	-14.669	0.034	-0.23%	0.84%
50	15	-14.628	-14.689	0.061	-0.42%	1.53%
50	16 U	-14.538	-14.585	0.047	-0.33%	1.18%
50	17 U	-14.565	-14.666	0.101	-0.69%	2.53%
50	18 U	-14.576	-14.618	0.042	-0.28%	1.04%
50	19 U	-14.512	-14.597	0.085	-0.58%	2.12%
50	20 U	-14.660	-14.563	-0.097	0.66%	2.41%
100	21	-14.576	-14.659	0.083	-0.57%	2.08%
100	22	-14.593	-14.619	0.026	-0.18%	0.64%
100	23	-14.573	-14.557	-0.016	0.11%	0.40%
100	24	-14.589	-14.540	-0.050	0.34%	1.24%
100	25	-14.628	-14.617	-0.011	0.07%	0.27%
100	26 U	-14.573	-14.599	0.026	-0.18%	0.65%
100	27 U	-14.655	-14.686	0.031	-0.21%	0.77%
100	28 U	-14.570	-14.641	0.072	-0.49%	1.80%
100	29 U	-14.572	-14.576	0.004	-0.03%	0.11%
100	30 U	-14.601	-14.579	-0.023	0.15%	0.57%
	Max	-14.495	-14.540	0.101	0.66%	2.53%
	Average	-14.577	-14.613	0.036	-0.25%	1.22%
	Min	-14.660	-14.694	-0.097	-0.69%	0.11%
	Std Dev	0.039	0.042	0.043	0.30%	0.69%



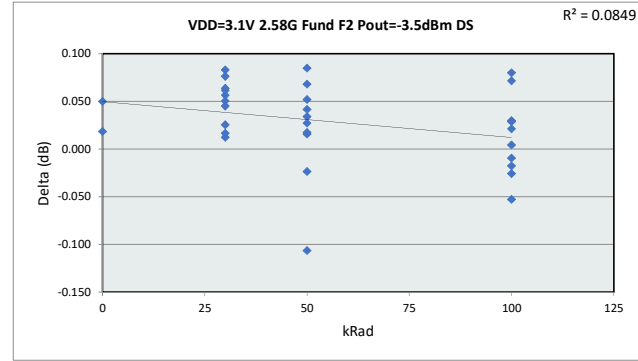
VDD=3.1V 2.58G Fund F1 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-12.75			dB
Min Limit	-16.75			dB
kRad	0	30	50	100
LL	-16.750	-16.750	-16.750	-16.750
Min	-14.594	-14.694	-14.689	-14.686
Average	-14.591	-14.622	-14.616	-14.607
Max	-14.588	-14.580	-14.544	-14.540
UL	-12.750	-12.750	-12.750	-12.750



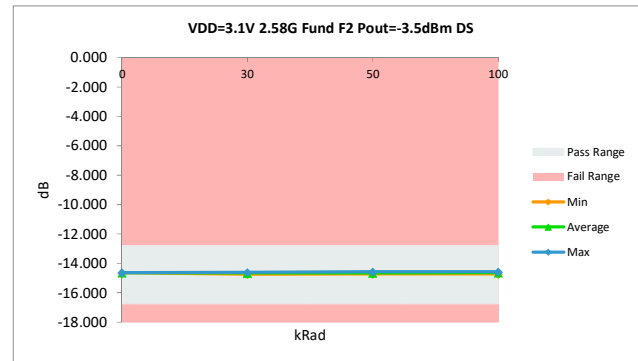
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G Fund F2 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-12.75	-12.75
Min Limit	-16.75	-16.75

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.585	-14.635	0.050	-0.34%	1.26%
0	C2	-14.605	-14.624	0.019	-0.13%	0.47%
30	1	-14.662	-14.719	0.057	-0.39%	1.42%
30	2	-14.586	-14.669	0.083	-0.57%	2.08%
30	3	-14.586	-14.632	0.045	-0.31%	1.14%
30	4	-14.620	-14.632	0.013	-0.09%	0.32%
30	5	-14.642	-14.659	0.017	-0.12%	0.42%
30	6 U	-14.538	-14.615	0.077	-0.53%	1.92%
30	7 U	-14.603	-14.629	0.026	-0.18%	0.65%
30	8 U	-14.610	-14.661	0.051	-0.35%	1.27%
30	9 U	-14.666	-14.730	0.064	-0.44%	1.60%
30	10 U	-14.559	-14.621	0.062	-0.43%	1.55%
50	11	-14.594	-14.570	-0.023	0.16%	0.58%
50	12	-14.628	-14.646	0.018	-0.12%	0.44%
50	13	-14.594	-14.636	0.042	-0.29%	1.05%
50	14	-14.677	-14.693	0.016	-0.11%	0.40%
50	15	-14.668	-14.721	0.052	-0.36%	1.31%
50	16 U	-14.584	-14.618	0.034	-0.24%	0.86%
50	17 U	-14.613	-14.698	0.085	-0.58%	2.13%
50	18 U	-14.623	-14.650	0.028	-0.19%	0.69%
50	19 U	-14.554	-14.622	0.069	-0.47%	1.71%
50	20 U	-14.699	-14.593	-0.106	0.72%	2.65%
100	21	-14.612	-14.692	0.080	-0.55%	2.01%
100	22	-14.623	-14.653	0.029	-0.20%	0.73%
100	23	-14.607	-14.589	-0.017	0.12%	0.43%
100	24	-14.621	-14.569	-0.052	0.36%	1.31%
100	25	-14.658	-14.649	-0.009	0.06%	0.23%
100	26 U	-14.609	-14.630	0.022	-0.15%	0.54%
100	27 U	-14.688	-14.718	0.030	-0.21%	0.75%
100	28 U	-14.604	-14.676	0.072	-0.49%	1.80%
100	29 U	-14.604	-14.608	0.005	-0.03%	0.12%
100	30 U	-14.633	-14.607	-0.025	0.17%	0.63%
	Max	-14.538	-14.569	0.085	0.72%	2.65%
	Average	-14.617	-14.646	0.029	-0.20%	1.08%
	Min	-14.699	-14.730	-0.106	-0.58%	0.12%
	Std Dev	0.038	0.043	0.042	0.29%	0.66%



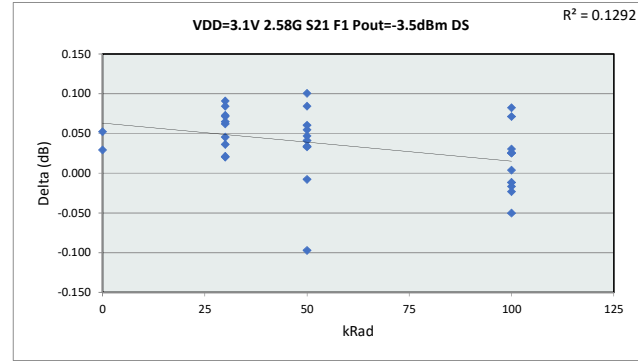
VDD=3.1V 2.58G Fund F2 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-12.75		dB	
Min Limit	-16.75		dB	
kRad	0	30	50	100
LL	-16.750	-16.750	-16.750	-16.750
Min	-14.635	-14.730	-14.721	-14.718
Average	-14.630	-14.657	-14.645	-14.639
Max	-14.624	-14.615	-14.570	-14.569
UL	-12.750	-12.750	-12.750	-12.750



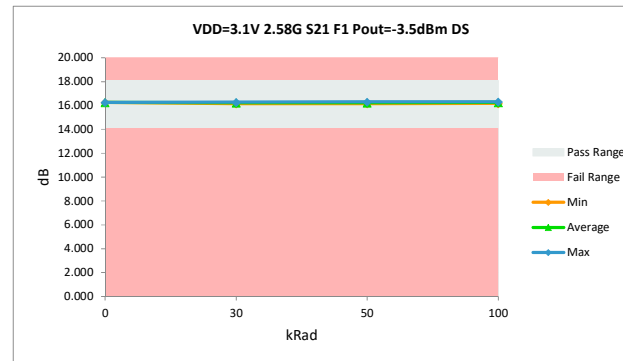
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G S21 F1 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	18.10000038	18.10000038
Min Limit	14.10000038	14.10000038

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	16.318	16.266	0.053	0.32%	1.32%
0	C2	16.302	16.272	0.030	0.18%	0.74%
30	1	16.243	16.177	0.065	0.40%	1.63%
30	2	16.315	16.224	0.091	0.56%	2.28%
30	3	16.312	16.266	0.046	0.28%	1.15%
30	4	16.282	16.261	0.021	0.13%	0.52%
30	5	16.261	16.240	0.022	0.13%	0.54%
30	6 U	16.365	16.280	0.085	0.52%	2.12%
30	7 U	16.300	16.264	0.037	0.22%	0.92%
30	8 U	16.293	16.231	0.063	0.38%	1.57%
30	9 U	16.239	16.166	0.073	0.45%	1.83%
30	10 U	16.343	16.271	0.072	0.44%	1.80%
50	11	16.309	16.316	-0.007	-0.04%	0.18%
50	12	16.277	16.243	0.034	0.21%	0.86%
50	13	16.306	16.251	0.055	0.34%	1.38%
50	14	16.224	16.191	0.034	0.21%	0.84%
50	15	16.232	16.171	0.061	0.38%	1.53%
50	16 U	16.322	16.275	0.047	0.29%	1.18%
50	17 U	16.295	16.194	0.101	0.62%	2.53%
50	18 U	16.284	16.242	0.042	0.25%	1.04%
50	19 U	16.348	16.263	0.085	0.52%	2.12%
50	20 U	16.200	16.297	-0.097	-0.60%	2.41%
100	21	16.284	16.201	0.083	0.51%	2.08%
100	22	16.267	16.241	0.026	0.16%	0.64%
100	23	16.287	16.303	-0.016	-0.10%	0.40%
100	24	16.271	16.320	-0.050	-0.31%	1.24%
100	25	16.232	16.243	-0.011	-0.07%	0.27%
100	26 U	16.287	16.261	0.026	0.16%	0.65%
100	27 U	16.205	16.174	0.031	0.19%	0.77%
100	28 U	16.290	16.219	0.072	0.44%	1.80%
100	29 U	16.288	16.284	0.004	0.03%	0.11%
100	30 U	16.259	16.281	-0.023	-0.14%	0.57%
	Max	16.365	16.320	0.101	0.62%	2.53%
	Average	16.283	16.247	0.036	0.22%	1.22%
	Min	16.200	16.166	-0.097	-0.60%	0.11%
	Std Dev	0.039	0.042	0.043	0.27%	0.69%



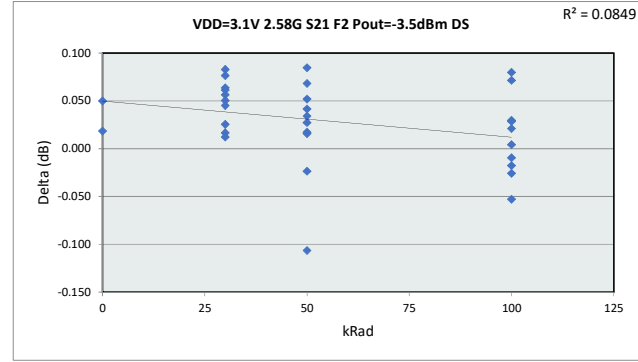
VDD=3.1V 2.58G S21 F1 Pout				
Test Site				
Tester				
Test Number				
Max Limit	18.10000038		dB	
Min Limit	14.10000038		dB	
kRad	0	30	50	100
LL	14.100	14.100	14.100	14.100
Min	16.266	16.166	16.171	16.174
Average	16.269	16.238	16.244	16.253
Max	16.272	16.280	16.316	16.320
UL	18.100	18.100	18.100	18.100



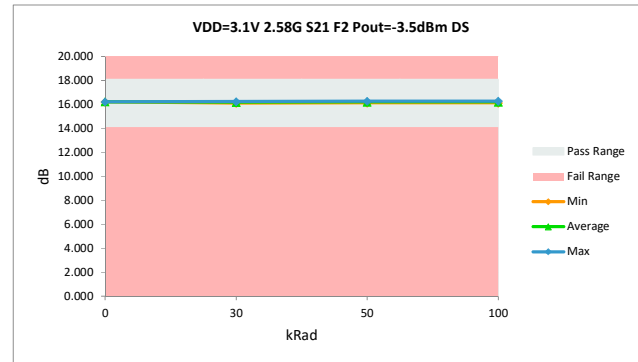
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G S21 F2 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	18.10000038	18.10000038
Min Limit	14.10000038	14.10000038

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	16.275	16.225	0.050	0.31%	1.26%
0	C2	16.255	16.236	0.019	0.12%	0.47%
30	1	16.198	16.141	0.057	0.35%	1.42%
30	2	16.274	16.191	0.083	0.51%	2.08%
30	3	16.274	16.228	0.045	0.28%	1.14%
30	4	16.240	16.228	0.013	0.08%	0.32%
30	5	16.218	16.201	0.017	0.10%	0.42%
30	6 U	16.322	16.245	0.077	0.47%	1.92%
30	7 U	16.257	16.231	0.026	0.16%	0.65%
30	8 U	16.250	16.199	0.051	0.31%	1.27%
30	9 U	16.194	16.130	0.064	0.40%	1.60%
30	10 U	16.301	16.239	0.062	0.38%	1.55%
50	11	16.266	16.290	-0.023	-0.14%	0.58%
50	12	16.232	16.214	0.018	0.11%	0.44%
50	13	16.266	16.224	0.042	0.26%	1.05%
50	14	16.183	16.167	0.016	0.10%	0.40%
50	15	16.192	16.139	0.052	0.32%	1.31%
50	16 U	16.276	16.242	0.034	0.21%	0.86%
50	17 U	16.247	16.162	0.085	0.52%	2.13%
50	18 U	16.237	16.210	0.028	0.17%	0.69%
50	19 U	16.306	16.238	0.069	0.42%	1.71%
50	20 U	16.161	16.267	-0.106	-0.66%	2.65%
100	21	16.248	16.168	0.080	0.49%	2.01%
100	22	16.237	16.207	0.029	0.18%	0.73%
100	23	16.253	16.271	-0.017	-0.11%	0.43%
100	24	16.239	16.291	-0.052	-0.32%	1.31%
100	25	16.202	16.211	-0.009	-0.06%	0.23%
100	26 U	16.251	16.230	0.022	0.13%	0.54%
100	27 U	16.172	16.142	0.030	0.19%	0.75%
100	28 U	16.256	16.184	0.072	0.44%	1.80%
100	29 U	16.256	16.252	0.005	0.03%	0.12%
100	30 U	16.227	16.253	-0.025	-0.16%	0.63%
	Max	16.322	16.291	0.085	0.52%	2.65%
	Average	16.243	16.214	0.029	0.18%	1.08%
	Min	16.161	16.130	-0.106	-0.66%	0.12%
	Std Dev	0.038	0.043	0.042	0.26%	0.66%



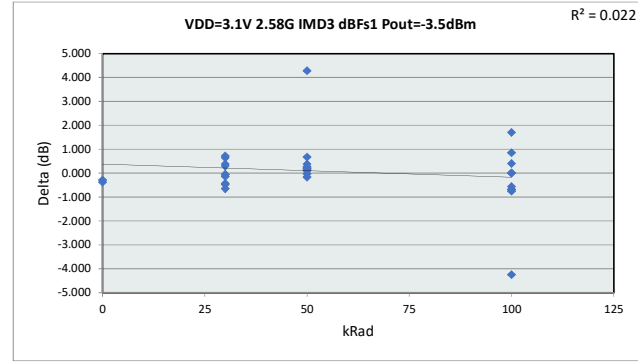
VDD=3.1V 2.58G S21 F2 Pout=-					
Test Site					
Tester					
Test Number					
Max Limit	18.10000038		dB		
Min Limit	14.10000038		dB		
	kRad	0	30	50	100
LL		14.100	14.100	14.100	14.100
Min		16.225	16.130	16.139	16.142
Average		16.230	16.203	16.215	16.221
Max		16.236	16.245	16.290	16.291
UL		18.100	18.100	18.100	18.100



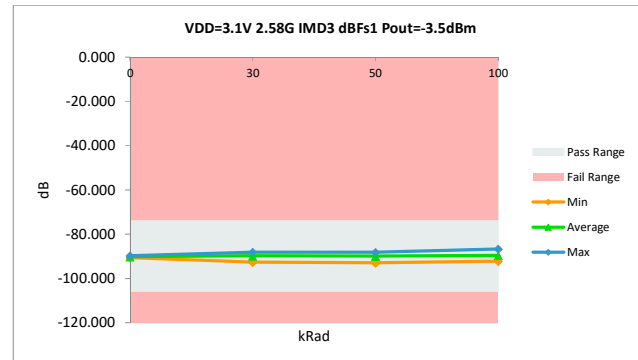
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G IMD3 dBFs1 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-73.62683356	-73.62683356
Min Limit	-105.8525127	-105.8525127

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-90.881	-90.519	-0.362	0.40%	1.12%
0	C2	-89.939	-89.672	-0.268	0.30%	0.83%
30	1	-88.027	-88.423	0.396	-0.45%	1.23%
30	2	-89.282	-88.865	-0.417	0.47%	1.29%
30	3	-88.195	-88.076	-0.119	0.13%	0.37%
30	4	-91.924	-92.587	0.663	-0.72%	2.06%
30	5	-91.250	-91.984	0.735	-0.80%	2.28%
30	6 U	-91.262	-91.580	0.317	-0.35%	0.98%
30	7 U	-88.667	-88.631	-0.035	0.04%	0.11%
30	8 U	-89.872	-89.241	-0.631	0.70%	1.96%
30	9 U	-89.049	-89.000	-0.050	0.06%	0.15%
30	10 U	-89.479	-89.021	-0.458	0.51%	1.42%
50	11	-89.288	-89.444	0.156	-0.17%	0.48%
50	12	-90.791	-90.914	0.123	-0.14%	0.38%
50	13	-89.731	-90.013	0.281	-0.31%	0.87%
50	14	-88.298	-88.148	-0.151	0.17%	0.47%
50	15	-87.389	-88.084	0.696	-0.80%	2.16%
50	16 U	-89.688	-90.080	0.392	-0.44%	1.22%
50	17 U	-90.567	-90.803	0.236	-0.26%	0.73%
50	18 U	-88.109	-88.322	0.213	-0.24%	0.66%
50	19 U	-90.150	-90.135	-0.015	0.02%	0.05%
50	20 U	-88.655	-92.951	4.296	-4.85%	13.33%
100	21	-93.049	-88.818	-4.231	4.55%	13.13%
100	22	-91.129	-91.995	0.866	-0.95%	2.69%
100	23	-89.242	-89.266	0.024	-0.03%	0.07%
100	24	-90.509	-90.929	0.420	-0.46%	1.30%
100	25	-90.507	-92.229	1.721	-1.90%	5.34%
100	26 U	-90.998	-91.016	0.018	-0.02%	0.06%
100	27 U	-87.974	-87.312	-0.661	0.75%	2.05%
100	28 U	-87.204	-86.664	-0.540	0.62%	1.68%
100	29 U	-89.926	-89.189	-0.737	0.82%	2.29%
100	30 U	-88.425	-87.757	-0.668	0.76%	2.07%
	Max	-87.204	-86.664	4.296	4.55%	13.33%
	Average	-89.671	-89.740	0.069	-0.08%	2.03%
	Min	-93.049	-92.951	-4.231	-4.85%	0.05%
	Std Dev	1.375	1.611	1.204	1.33%	3.13%



VDD=3.1V 2.58G IMD3 dBFs1				
Test Site				
Tester				
Test Number				
Max Limit	-73.62683356		dB	
Min Limit	-105.8525127		dB	
kRad	0	30	50	100
LL	-105.853	-105.853	-105.853	-105.853
Min	-90.519	-92.587	-92.951	-92.229
Average	-90.095	-89.741	-89.889	-89.518
Max	-89.672	-88.076	-88.084	-86.664
UL	-73.627	-73.627	-73.627	-73.627

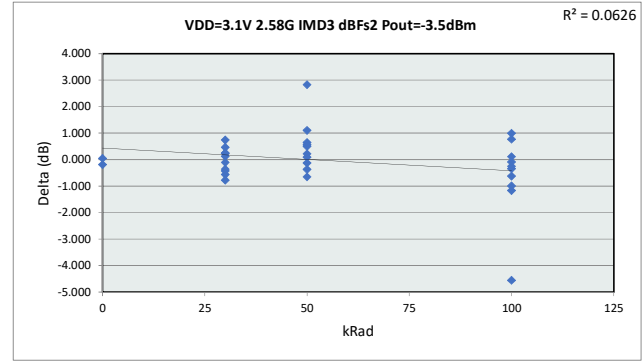


QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G IMD3 dBFs2 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-76.08892604	-76.08892604
Min Limit	-103.5004566	-103.5004566

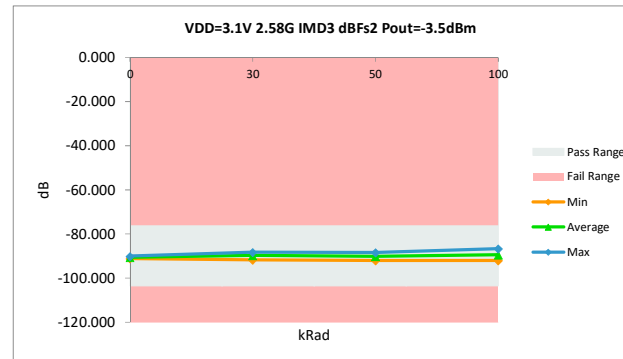
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-91.323	-91.154	-0.169	0.19%	0.62%
0	C2	-89.984	-90.041	0.057	-0.06%	0.21%
30	1	-88.169	-88.428	0.259	-0.29%	0.95%
30	2	-88.451	-89.209	0.758	-0.86%	2.76%
30	3	-88.328	-88.234	-0.095	0.11%	0.34%
30	4	-92.181	-91.769	-0.411	0.45%	1.50%
30	5	-90.950	-91.208	0.258	-0.28%	0.94%
30	6 U	-91.297	-91.434	0.137	-0.15%	0.50%
30	7 U	-89.445	-88.897	-0.548	0.61%	2.00%
30	8 U	-90.240	-89.479	-0.761	0.84%	2.78%
30	9 U	-89.636	-89.288	-0.348	0.39%	1.27%
30	10 U	-89.127	-89.605	0.478	-0.54%	1.74%
50	11	-89.677	-90.193	0.516	-0.58%	1.88%
50	12	-90.594	-91.173	0.579	-0.64%	2.11%
50	13	-89.754	-90.870	1.117	-1.24%	4.07%
50	14	-88.532	-88.418	-0.115	0.13%	0.42%
50	15	-87.805	-88.463	0.658	-0.75%	2.40%
50	16 U	-90.614	-89.978	-0.636	0.70%	2.32%
50	17 U	-91.072	-91.184	0.112	-0.12%	0.41%
50	18 U	-88.670	-88.314	-0.356	0.40%	1.30%
50	19 U	-89.906	-90.140	0.235	-0.26%	0.86%
50	20 U	-89.118	-91.962	2.844	-3.19%	10.38%
100	21	-93.310	-88.769	-4.541	4.87%	16.57%
100	22	-91.316	-91.077	-0.239	0.26%	0.87%
100	23	-89.069	-89.853	0.784	-0.88%	2.86%
100	24	-91.020	-90.410	-0.610	0.67%	2.23%
100	25	-90.956	-91.968	1.012	-1.11%	3.69%
100	26 U	-91.155	-90.181	-0.974	1.07%	3.55%
100	27 U	-87.542	-87.669	0.126	-0.14%	0.46%
100	28 U	-87.782	-86.630	-1.152	1.31%	4.20%
100	29 U	-89.827	-89.499	-0.328	0.37%	1.20%
100	30 U	-88.005	-87.933	-0.072	0.08%	0.26%
	Max	-87.542	-86.630	2.844	4.87%	16.57%
	Average	-89.839	-89.795	-0.045	0.04%	2.43%
	Min	-93.310	-91.968	-4.541	-3.19%	0.21%
	Std Dev	1.408	1.371	1.110	1.21%	3.22%



VDD=3.1V 2.58G IMD3 dBFs2

Test Site		
Tester		
Test Number		
Max Limit	-76.08892604	dB
Min Limit	-103.5004566	dB

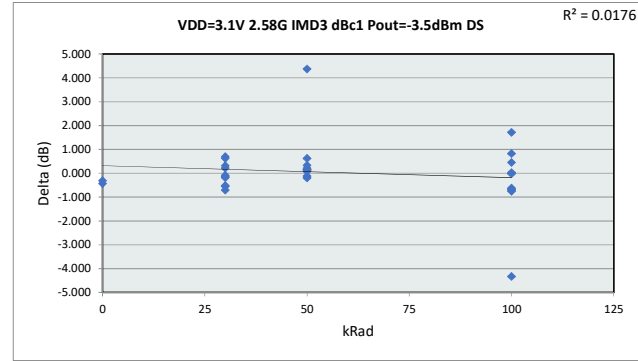
kRad	0	30	50	100
LL	-103.500	-103.500	-103.500	-103.500
Min	-91.154	-91.769	-91.962	-91.968
Average	-90.597	-89.755	-90.070	-89.399
Max	-90.041	-88.234	-88.314	-86.630
UL	-76.089	-76.089	-76.089	-76.089



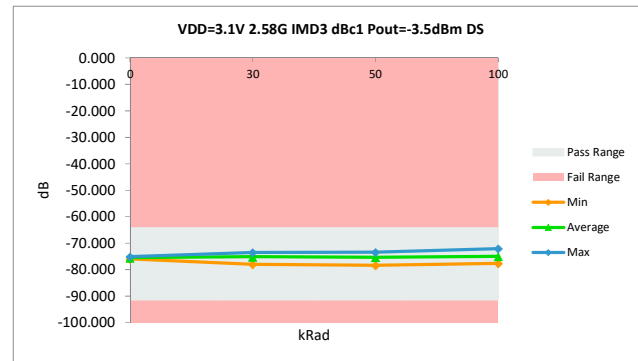
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G IMD3 dBc1 Pout	
Test Site	
Tester	
Test Number	
Unit	dB
Max Limit	-64
Min Limit	-91.4041255

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-76.339	-75.925	-0.414	0.54%	1.51%
0	C2	-75.381	-75.084	-0.298	0.39%	1.09%
30	1	-73.410	-73.740	0.330	-0.45%	1.21%
30	2	-74.737	-74.229	-0.508	0.68%	1.86%
30	3	-73.647	-73.482	-0.165	0.22%	0.60%
30	4	-77.346	-77.988	0.642	-0.83%	2.34%
30	5	-76.651	-77.364	0.713	-0.93%	2.60%
30	6 U	-76.768	-77.000	0.233	-0.30%	0.85%
30	7 U	-74.107	-74.035	-0.072	0.10%	0.26%
30	8 U	-75.305	-74.612	-0.693	0.92%	2.53%
30	9 U	-74.428	-74.305	-0.123	0.16%	0.45%
30	10 U	-74.963	-74.432	-0.530	0.71%	1.93%
50	11	-74.737	-74.900	0.163	-0.22%	0.60%
50	12	-76.208	-76.297	0.089	-0.12%	0.32%
50	13	-75.178	-75.404	0.226	-0.30%	0.83%
50	14	-73.662	-73.478	-0.184	0.25%	0.67%
50	15	-72.761	-73.396	0.635	-0.87%	2.32%
50	16 U	-75.150	-75.495	0.345	-0.46%	1.26%
50	17 U	-76.002	-76.137	0.135	-0.18%	0.49%
50	18 U	-73.533	-73.704	0.171	-0.23%	0.63%
50	19 U	-75.638	-75.538	-0.100	0.13%	0.36%
50	20 U	-73.995	-78.388	4.392	-5.94%	16.03%
100	21	-78.473	-74.159	-4.314	5.50%	15.74%
100	22	-76.536	-77.377	0.841	-1.10%	3.07%
100	23	-74.669	-74.709	0.040	-0.05%	0.15%
100	24	-75.920	-76.390	0.470	-0.62%	1.71%
100	25	-75.880	-77.612	1.732	-2.28%	6.32%
100	26 U	-76.425	-76.417	-0.008	0.01%	0.03%
100	27 U	-73.319	-72.627	-0.692	0.94%	2.53%
100	28 U	-72.634	-72.022	-0.612	0.84%	2.23%
100	29 U	-75.354	-74.613	-0.741	0.98%	2.70%
100	30 U	-73.824	-73.178	-0.645	0.87%	2.35%
	Max	-72.634	-72.022	4.392	5.50%	16.03%
	Average	-75.093	-75.126	0.033	-0.05%	2.42%
	Min	-78.473	-78.388	-4.314	-5.94%	0.03%
	Std Dev	1.388	1.628	1.228	1.62%	3.74%



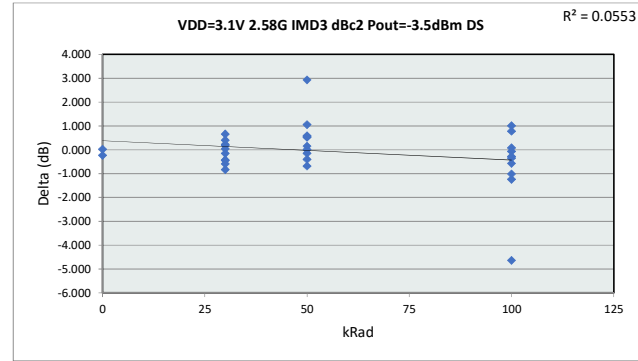
VDD=3.1V 2.58G IMD3 dBc1 Pout=-3.5dBm DS				
Test Site				
Tester				
Test Number				
Max Limit	-64			dB
Min Limit	-91.4041255			dB
kRad	0	30	50	100
LL	-91.404	-91.404	-91.404	-91.404
Min	-75.925	-77.988	-78.388	-77.612
Average	-75.504	-75.119	-75.274	-74.910
Max	-75.084	-73.482	-73.396	-72.022
UL	-64.000	-64.000	-64.000	-64.000



QMLP TID Report
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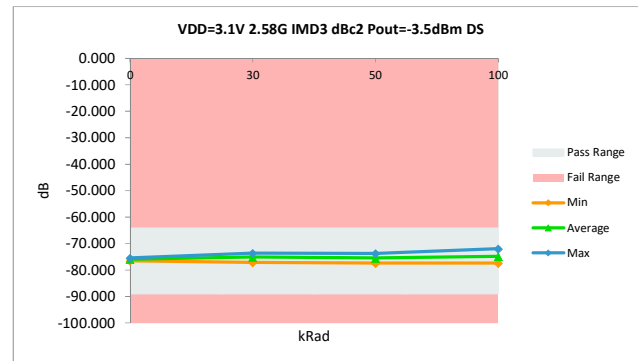
VDD=3.1V 2.58G IMD3 dBc2 Pout	
Test Site	
Tester	
Test Number	
Unit	dB
Max Limit	-64
Min Limit	-89.02985372

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-76.739	-76.519	-0.220	0.29%	0.88%
0	C2	-75.378	-75.417	0.039	-0.05%	0.15%
30	1	-73.507	-73.709	0.202	-0.28%	0.81%
30	2	-73.866	-74.540	0.674	-0.91%	2.69%
30	3	-73.742	-73.602	-0.140	0.19%	0.56%
30	4	-77.561	-77.137	-0.424	0.55%	1.69%
30	5	-76.308	-76.550	0.241	-0.32%	0.96%
30	6 U	-76.759	-76.819	0.060	-0.08%	0.24%
30	7 U	-74.842	-74.268	-0.574	0.77%	2.29%
30	8 U	-75.630	-74.818	-0.812	1.07%	3.24%
30	9 U	-74.970	-74.558	-0.412	0.55%	1.64%
30	10 U	-74.568	-74.984	0.416	-0.56%	1.66%
50	11	-75.083	-75.622	0.539	-0.72%	2.15%
50	12	-75.966	-76.527	0.561	-0.74%	2.24%
50	13	-75.159	-76.234	1.075	-1.43%	4.29%
50	14	-73.856	-73.725	-0.131	0.18%	0.52%
50	15	-73.137	-73.743	0.606	-0.83%	2.42%
50	16 U	-76.030	-75.360	-0.670	0.88%	2.68%
50	17 U	-76.459	-76.486	0.027	-0.04%	0.11%
50	18 U	-74.048	-73.664	-0.384	0.52%	1.53%
50	19 U	-75.352	-75.518	0.166	-0.22%	0.66%
50	20 U	-74.419	-77.369	2.950	-3.96%	11.79%
100	21	-78.698	-74.077	-4.622	5.87%	18.46%
100	22	-76.693	-76.425	-0.268	0.35%	1.07%
100	23	-74.463	-75.264	0.801	-1.08%	3.20%
100	24	-76.399	-75.841	-0.558	0.73%	2.23%
100	25	-76.298	-77.319	1.021	-1.34%	4.08%
100	26 U	-76.546	-75.550	-0.995	1.30%	3.98%
100	27 U	-72.854	-72.950	0.096	-0.13%	0.38%
100	28 U	-73.178	-71.954	-1.224	1.67%	4.89%
100	29 U	-75.224	-74.891	-0.333	0.44%	1.33%
100	30 U	-73.372	-73.326	-0.046	0.06%	0.19%
	Max	-72.854	-71.954	2.950	5.87%	18.46%
	Average	-75.222	-75.149	-0.073	0.09%	2.66%
	Min	-78.698	-77.369	-4.622	-3.96%	0.11%
	Std Dev	1.419	1.388	1.128	1.47%	3.62%



VDD=3.1V 2.58G IMD3 dBc2 Pout=-3.5dBm DS	
Test Site	
Tester	
Test Number	
Unit	dB
Max Limit	-64
Min Limit	-89.02985372

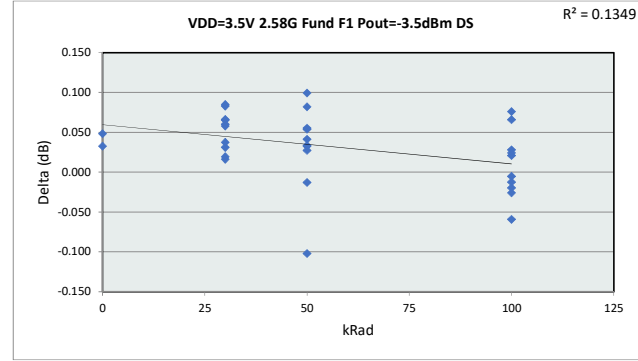
kRad	0	30	50	100
LL	-89.030	-89.030	-89.030	-89.030
Min	-76.519	-77.137	-77.369	-77.319
Average	-75.968	-75.099	-75.425	-74.760
Max	-75.417	-73.602	-73.664	-71.954
UL	-64.000	-64.000	-64.000	-64.000



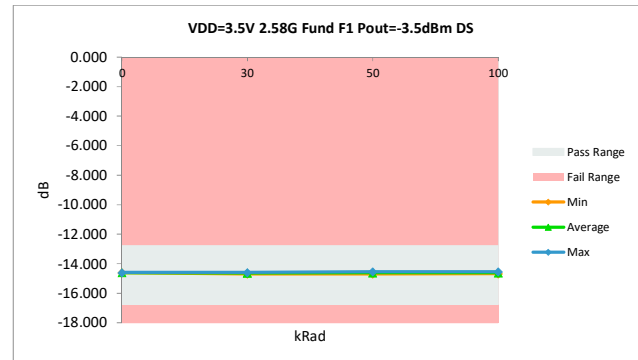
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G Fund F1 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-12.75	-12.75
Min Limit	-16.75	-16.75

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.546	-14.595	0.049	-0.34%	1.22%
0	C2	-14.560	-14.593	0.033	-0.23%	0.83%
30	1	-14.615	-14.676	0.060	-0.41%	1.51%
30	2	-14.546	-14.632	0.085	-0.59%	2.13%
30	3	-14.551	-14.589	0.038	-0.26%	0.95%
30	4	-14.575	-14.594	0.020	-0.14%	0.50%
30	5	-14.602	-14.619	0.017	-0.11%	0.42%
30	6 U	-14.495	-14.579	0.083	-0.58%	2.09%
30	7 U	-14.560	-14.591	0.032	-0.22%	0.79%
30	8 U	-14.565	-14.623	0.058	-0.40%	1.46%
30	9 U	-14.620	-14.686	0.066	-0.45%	1.64%
30	10 U	-14.517	-14.584	0.066	-0.46%	1.66%
50	11	-14.551	-14.538	-0.012	0.09%	0.31%
50	12	-14.585	-14.619	0.034	-0.23%	0.85%
50	13	-14.554	-14.608	0.054	-0.37%	1.35%
50	14	-14.635	-14.663	0.028	-0.19%	0.69%
50	15	-14.626	-14.682	0.056	-0.38%	1.39%
50	16 U	-14.536	-14.578	0.042	-0.29%	1.05%
50	17 U	-14.565	-14.665	0.100	-0.68%	2.49%
50	18 U	-14.576	-14.609	0.033	-0.23%	0.82%
50	19 U	-14.514	-14.596	0.083	-0.57%	2.06%
50	20 U	-14.664	-14.563	-0.101	0.69%	2.54%
100	21	-14.582	-14.659	0.076	-0.52%	1.91%
100	22	-14.593	-14.621	0.028	-0.19%	0.71%
100	23	-14.574	-14.554	-0.019	0.13%	0.48%
100	24	-14.593	-14.534	-0.059	0.40%	1.47%
100	25	-14.630	-14.618	-0.012	0.08%	0.30%
100	26 U	-14.573	-14.595	0.021	-0.15%	0.53%
100	27 U	-14.655	-14.679	0.025	-0.17%	0.62%
100	28 U	-14.571	-14.638	0.066	-0.46%	1.66%
100	29 U	-14.574	-14.569	-0.005	0.03%	0.12%
100	30 U	-14.597	-14.572	-0.025	0.17%	0.63%
	Max	-14.495	-14.534	0.100	0.69%	2.54%
	Average	-14.578	-14.610	0.032	-0.22%	1.16%
	Min	-14.664	-14.686	-0.101	-0.68%	0.12%
	Std Dev	0.039	0.042	0.044	0.30%	0.67%



VDD=3.5V 2.58G Fund F1 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-12.75		dB	
Min Limit	-16.75		dB	
kRad	0	30	50	100
LL	-16.750	-16.750	-16.750	-16.750
Min	-14.595	-14.686	-14.682	-14.679
Average	-14.594	-14.617	-14.612	-14.604
Max	-14.593	-14.579	-14.538	-14.534
UL	-12.750	-12.750	-12.750	-12.750

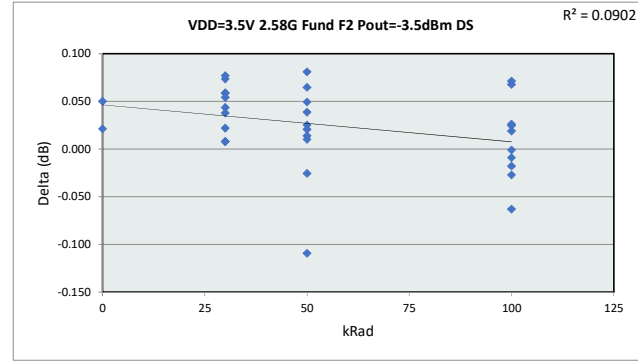


QMLP TID Report

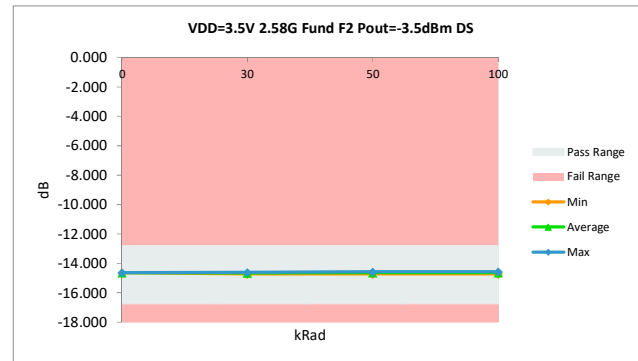
TRF0208 QMLP

VDD=3.5V 2.58G Fund F2 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-12.75	-12.75
Min Limit	-16.75	-16.75

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.583	-14.634	0.051	-0.35%	1.26%
0	C2	-14.604	-14.626	0.021	-0.15%	0.54%
30	1	-14.658	-14.713	0.055	-0.37%	1.37%
30	2	-14.586	-14.663	0.077	-0.53%	1.94%
30	3	-14.589	-14.627	0.038	-0.26%	0.96%
30	4	-14.620	-14.628	0.008	-0.06%	0.20%
30	5	-14.647	-14.655	0.008	-0.06%	0.21%
30	6 U	-14.541	-14.615	0.074	-0.51%	1.85%
30	7 U	-14.604	-14.626	0.022	-0.15%	0.56%
30	8 U	-14.610	-14.654	0.044	-0.30%	1.10%
30	9 U	-14.665	-14.724	0.059	-0.40%	1.48%
30	10 U	-14.555	-14.614	0.059	-0.41%	1.48%
50	11	-14.592	-14.567	-0.025	0.17%	0.63%
50	12	-14.634	-14.645	0.010	-0.07%	0.26%
50	13	-14.595	-14.634	0.039	-0.27%	0.98%
50	14	-14.676	-14.691	0.014	-0.10%	0.36%
50	15	-14.667	-14.716	0.050	-0.34%	1.24%
50	16 U	-14.582	-14.608	0.026	-0.18%	0.64%
50	17 U	-14.613	-14.694	0.081	-0.56%	2.03%
50	18 U	-14.622	-14.643	0.021	-0.14%	0.52%
50	19 U	-14.558	-14.623	0.065	-0.45%	1.63%
50	20 U	-14.698	-14.590	-0.109	0.74%	2.72%
100	21	-14.620	-14.691	0.072	-0.49%	1.79%
100	22	-14.623	-14.650	0.026	-0.18%	0.66%
100	23	-14.604	-14.587	-0.017	0.12%	0.44%
100	24	-14.625	-14.563	-0.063	0.43%	1.56%
100	25	-14.659	-14.650	-0.009	0.06%	0.22%
100	26 U	-14.608	-14.627	0.019	-0.13%	0.48%
100	27 U	-14.685	-14.710	0.025	-0.17%	0.62%
100	28 U	-14.602	-14.670	0.068	-0.47%	1.70%
100	29 U	-14.604	-14.603	-0.001	0.00%	0.01%
100	30 U	-14.630	-14.603	-0.027	0.18%	0.67%
	Max	-14.541	-14.563	0.081	0.74%	2.72%
	Average	-14.618	-14.642	0.025	-0.17%	1.00%
	Min	-14.698	-14.724	-0.109	-0.56%	0.01%
	Std Dev	0.038	0.043	0.042	0.29%	0.67%



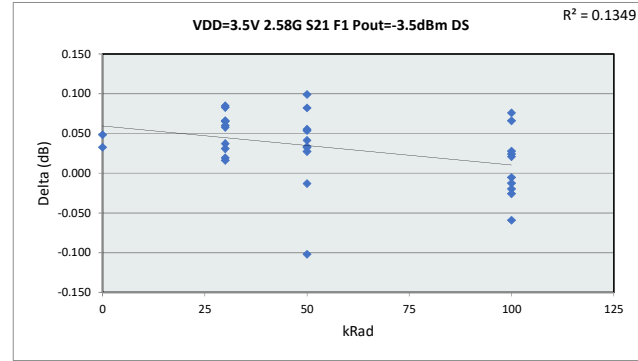
VDD=3.5V 2.58G Fund F2 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-12.75			dB
Min Limit	-16.75			dB
kRad	0	30	50	100
LL	-16.750	-16.750	-16.750	-16.750
Min	-14.634	-14.724	-14.716	-14.710
Average	-14.630	-14.652	-14.641	-14.636
Max	-14.626	-14.614	-14.567	-14.563
UL	-12.750	-12.750	-12.750	-12.750



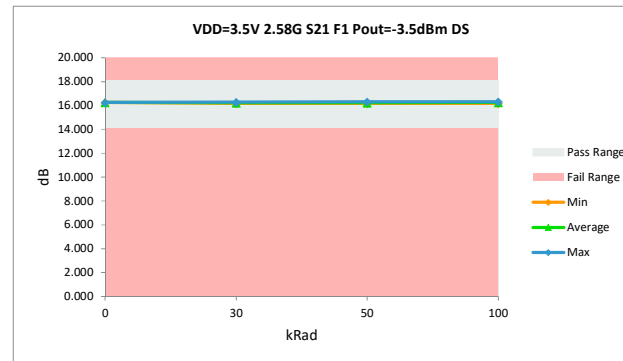
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G S21 F1 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	18.10000038	18.10000038
Min Limit	14.10000038	14.10000038

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	16.314	16.265	0.049	0.30%	1.22%
0	C2	16.300	16.267	0.033	0.20%	0.83%
30	1	16.245	16.184	0.060	0.37%	1.51%
30	2	16.314	16.228	0.085	0.52%	2.13%
30	3	16.309	16.271	0.038	0.23%	0.95%
30	4	16.285	16.266	0.020	0.12%	0.50%
30	5	16.258	16.241	0.017	0.10%	0.42%
30	6 U	16.365	16.281	0.083	0.51%	2.09%
30	7 U	16.300	16.269	0.032	0.19%	0.79%
30	8 U	16.295	16.237	0.058	0.36%	1.46%
30	9 U	16.240	16.174	0.066	0.41%	1.64%
30	10 U	16.343	16.276	0.066	0.41%	1.66%
50	11	16.309	16.322	-0.012	-0.08%	0.31%
50	12	16.275	16.241	0.034	0.21%	0.85%
50	13	16.306	16.252	0.054	0.33%	1.35%
50	14	16.225	16.197	0.028	0.17%	0.69%
50	15	16.234	16.178	0.056	0.34%	1.39%
50	16 U	16.324	16.282	0.042	0.26%	1.05%
50	17 U	16.295	16.195	0.100	0.61%	2.49%
50	18 U	16.284	16.251	0.033	0.20%	0.82%
50	19 U	16.346	16.264	0.083	0.51%	2.06%
50	20 U	16.196	16.297	-0.101	-0.63%	2.54%
100	21	16.278	16.201	0.076	0.47%	1.91%
100	22	16.267	16.239	0.028	0.17%	0.71%
100	23	16.286	16.306	-0.019	-0.12%	0.48%
100	24	16.267	16.326	-0.059	-0.36%	1.47%
100	25	16.230	16.242	-0.012	-0.07%	0.30%
100	26 U	16.287	16.265	0.021	0.13%	0.53%
100	27 U	16.205	16.181	0.025	0.15%	0.62%
100	28 U	16.289	16.222	0.066	0.41%	1.66%
100	29 U	16.286	16.291	-0.005	-0.03%	0.12%
100	30 U	16.263	16.288	-0.025	-0.16%	0.63%
	Max	16.365	16.326	0.100	0.61%	2.54%
	Average	16.282	16.250	0.032	0.20%	1.16%
	Min	16.196	16.174	-0.101	-0.63%	0.12%
	Std Dev	0.039	0.042	0.044	0.27%	0.67%



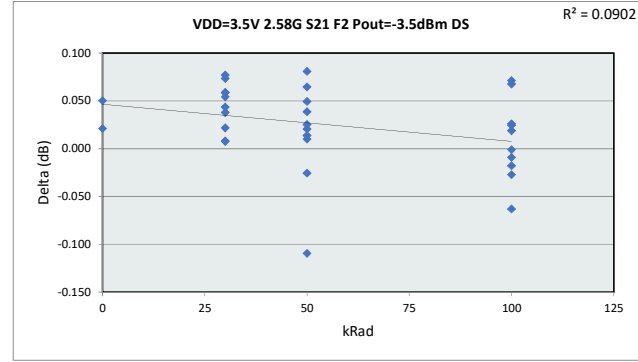
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Test Site				
Tester				
Test Number				
Max Limit	18.10000038		dB	
Min Limit	14.10000038		dB	
kRad	0	30	50	100
LL	14.100	14.100	14.100	14.100
Min	16.265	16.174	16.178	16.181
Average	16.266	16.243	16.248	16.256
Max	16.267	16.281	16.322	16.326
UL	18.100	18.100	18.100	18.100



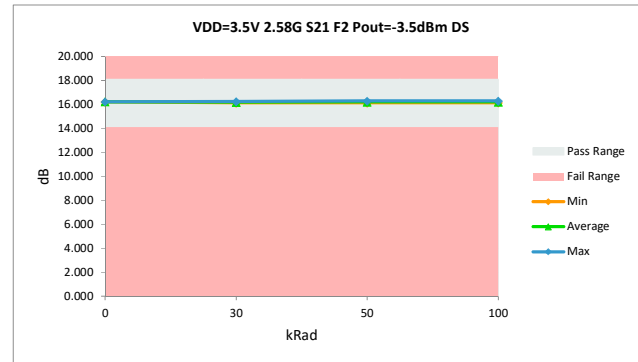
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G S21 F2 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	18.10000038	18.10000038
Min Limit	14.10000038	14.10000038

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	16.277	16.226	0.051	0.31%	1.27%
0	C2	16.256	16.234	0.021	0.13%	0.54%
30	1	16.202	16.147	0.055	0.34%	1.37%
30	2	16.274	16.197	0.077	0.48%	1.94%
30	3	16.271	16.233	0.038	0.24%	0.96%
30	4	16.240	16.232	0.008	0.05%	0.20%
30	5	16.213	16.205	0.008	0.05%	0.21%
30	6 U	16.319	16.245	0.074	0.45%	1.85%
30	7 U	16.256	16.234	0.022	0.14%	0.56%
30	8 U	16.250	16.206	0.044	0.27%	1.10%
30	9 U	16.195	16.136	0.059	0.36%	1.48%
30	10 U	16.305	16.246	0.059	0.36%	1.48%
50	11	16.268	16.293	-0.025	-0.15%	0.63%
50	12	16.226	16.215	0.010	0.06%	0.26%
50	13	16.265	16.226	0.039	0.24%	0.98%
50	14	16.184	16.169	0.014	0.09%	0.36%
50	15	16.193	16.144	0.050	0.31%	1.24%
50	16 U	16.278	16.252	0.026	0.16%	0.64%
50	17 U	16.247	16.166	0.081	0.50%	2.03%
50	18 U	16.238	16.217	0.021	0.13%	0.52%
50	19 U	16.302	16.237	0.065	0.40%	1.63%
50	20 U	16.162	16.270	-0.109	-0.67%	2.72%
100	21	16.240	16.169	0.072	0.44%	1.79%
100	22	16.237	16.210	0.026	0.16%	0.66%
100	23	16.256	16.273	-0.017	-0.11%	0.44%
100	24	16.235	16.297	-0.063	-0.39%	1.56%
100	25	16.201	16.210	-0.009	-0.05%	0.22%
100	26 U	16.252	16.233	0.019	0.12%	0.48%
100	27 U	16.175	16.150	0.025	0.15%	0.62%
100	28 U	16.258	16.190	0.068	0.42%	1.70%
100	29 U	16.256	16.257	-0.001	0.00%	0.01%
100	30 U	16.230	16.257	-0.027	-0.16%	0.67%
	Max	16.319	16.297	0.081	0.50%	2.72%
	Average	16.242	16.218	0.025	0.15%	1.00%
	Min	16.162	16.136	-0.109	-0.67%	0.01%
	Std Dev	0.038	0.043	0.042	0.26%	0.67%



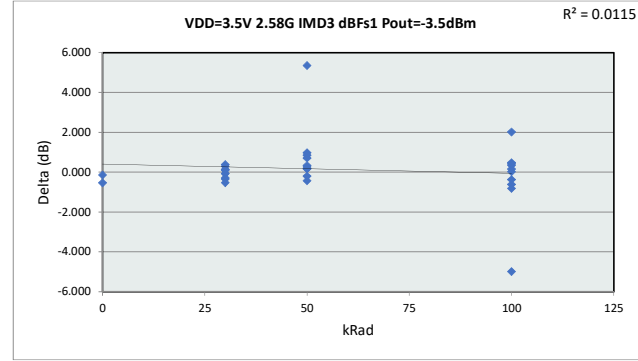
VDD=3.5V 2.58G S21 F2 Pout=-				
Test Site				
Tester				
Test Number				
Max Limit	18.10000038		dB	
Min Limit	14.10000038		dB	
kRad	0	30	50	100
LL	14.100	14.100	14.100	14.100
Min	16.226	16.136	16.144	16.150
Average	16.230	16.208	16.219	16.224
Max	16.234	16.246	16.293	16.297
UL	18.100	18.100	18.100	18.100



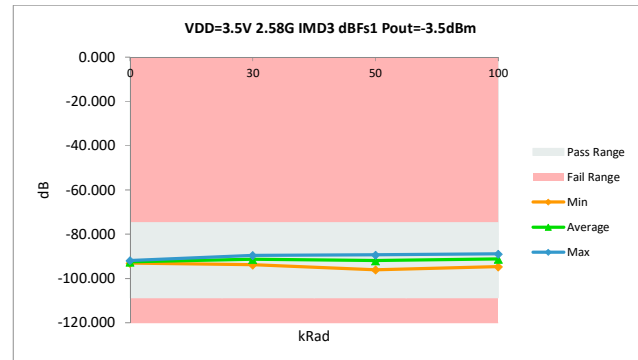
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G IMD3 dBFs1 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-74.46682897	-74.46682897
Min Limit	-108.6319979	-108.6319979

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-93.569	-93.053	-0.516	0.55%	1.51%
0	C2	-91.940	-91.820	-0.120	0.13%	0.35%
30	1	-89.230	-89.542	0.312	-0.35%	0.91%
30	2	-90.490	-90.612	0.121	-0.13%	0.36%
30	3	-90.456	-90.135	-0.321	0.36%	0.94%
30	4	-93.527	-93.258	-0.270	0.29%	0.79%
30	5	-93.041	-92.990	-0.051	0.05%	0.15%
30	6 U	-93.559	-93.721	0.162	-0.17%	0.47%
30	7 U	-90.105	-90.502	0.397	-0.44%	1.16%
30	8 U	-91.584	-91.077	-0.507	0.55%	1.48%
30	9 U	-90.528	-90.669	0.141	-0.16%	0.41%
30	10 U	-91.229	-91.178	-0.051	0.06%	0.15%
50	11	-91.279	-90.867	-0.412	0.45%	1.20%
50	12	-92.733	-93.455	0.722	-0.78%	2.11%
50	13	-91.200	-92.071	0.870	-0.95%	2.55%
50	14	-89.726	-90.725	0.999	-1.11%	2.92%
50	15	-89.100	-89.299	0.199	-0.22%	0.58%
50	16 U	-91.554	-91.373	-0.181	0.20%	0.53%
50	17 U	-93.206	-93.485	0.278	-0.30%	0.81%
50	18 U	-89.582	-89.771	0.189	-0.21%	0.55%
50	19 U	-91.808	-92.160	0.352	-0.38%	1.03%
50	20 U	-90.621	-95.992	5.371	-5.93%	15.72%
100	21	-95.822	-90.854	-4.968	5.18%	14.54%
100	22	-92.619	-93.109	0.490	-0.53%	1.43%
100	23	-90.567	-91.002	0.435	-0.48%	1.27%
100	24	-92.524	-92.170	-0.354	0.38%	1.04%
100	25	-92.566	-94.602	2.036	-2.20%	5.96%
100	26 U	-92.071	-92.116	0.045	-0.05%	0.13%
100	27 U	-89.210	-89.570	0.360	-0.40%	1.05%
100	28 U	-88.722	-88.903	0.181	-0.20%	0.53%
100	29 U	-91.202	-90.610	-0.592	0.65%	1.73%
100	30 U	-89.686	-88.890	-0.796	0.89%	2.33%
	Max	-88.722	-88.890	5.371	5.18%	15.72%
	Average	-91.408	-91.549	0.141	-0.16%	2.09%
	Min	-95.822	-95.992	-4.968	-5.93%	0.13%
	Std Dev	1.635	1.708	1.420	1.53%	3.60%



VDD=3.5V 2.58G IMD3 dBFs1				
Test Site				
Tester				
Test Number				
Max Limit	-74.46682897		dB	
Min Limit	-108.6319979		dB	
kRad	0	30	50	100
LL	-108.632	-108.632	-108.632	-108.632
Min	-93.053	-93.721	-95.992	-94.602
Average	-92.437	-91.368	-91.920	-91.183
Max	-91.820	-89.542	-89.299	-88.890
UL	-74.467	-74.467	-74.467	-74.467

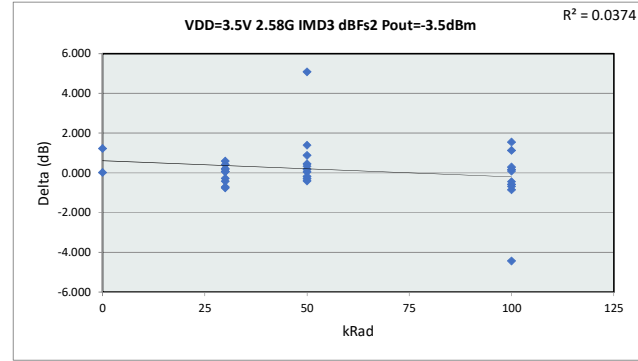


QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G IMD3 dBFs2 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-74.86646617	-74.86646617
Min Limit	-108.3688468	-108.3688468

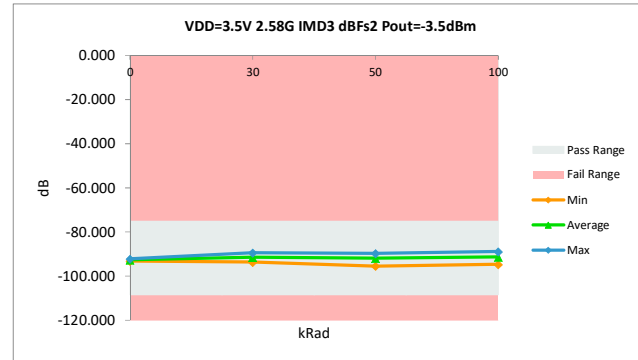
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-93.084	-93.123	0.039	-0.04%	0.12%
0	C2	-90.927	-92.178	1.251	-1.38%	3.73%
30	1	-89.261	-89.500	0.239	-0.27%	0.71%
30	2	-90.567	-91.007	0.440	-0.49%	1.31%
30	3	-90.115	-89.383	-0.732	0.81%	2.19%
30	4	-93.549	-93.632	0.082	-0.09%	0.25%
30	5	-93.696	-93.437	-0.259	0.28%	0.77%
30	6 U	-93.339	-93.540	0.201	-0.22%	0.60%
30	7 U	-90.474	-90.561	0.087	-0.10%	0.26%
30	8 U	-91.529	-90.833	-0.696	0.76%	2.08%
30	9 U	-91.290	-90.890	-0.400	0.44%	1.19%
30	10 U	-90.567	-91.174	0.607	-0.67%	1.81%
50	11	-91.621	-91.813	0.192	-0.21%	0.57%
50	12	-92.289	-93.706	1.417	-1.54%	4.23%
50	13	-91.232	-91.297	0.066	-0.07%	0.20%
50	14	-89.761	-90.108	0.347	-0.39%	1.04%
50	15	-89.430	-90.328	0.897	-1.00%	2.68%
50	16 U	-91.802	-91.637	-0.165	0.18%	0.49%
50	17 U	-93.209	-92.941	-0.268	0.29%	0.80%
50	18 U	-90.062	-89.681	-0.381	0.42%	1.14%
50	19 U	-91.788	-92.266	0.477	-0.52%	1.43%
50	20 U	-90.332	-95.436	5.104	-5.65%	15.24%
100	21	-95.732	-91.323	-4.410	4.61%	13.16%
100	22	-92.946	-93.134	0.188	-0.20%	0.56%
100	23	-90.149	-91.301	1.152	-1.28%	3.44%
100	24	-92.830	-92.000	-0.831	0.90%	2.48%
100	25	-93.123	-94.692	1.569	-1.68%	4.68%
100	26 U	-93.203	-92.540	-0.663	0.71%	1.98%
100	27 U	-89.309	-89.417	0.108	-0.12%	0.32%
100	28 U	-89.251	-88.827	-0.424	0.48%	1.27%
100	29 U	-91.454	-90.893	-0.560	0.61%	1.67%
100	30 U	-88.854	-89.170	0.315	-0.35%	0.94%
Max		-88.854	-88.827	5.104	4.61%	15.24%
Average		-91.462	-91.618	0.156	-0.18%	2.29%
Min		-95.732	-95.436	-4.410	-5.65%	0.12%
Std Dev		1.661	1.675	1.359	1.47%	3.35%



VDD=3.5V 2.58G IMD3 dBFs2

Test Site		
Tester		
Test Number		
Max Limit	-74.86646617	dB
Min Limit	-108.3688468	dB

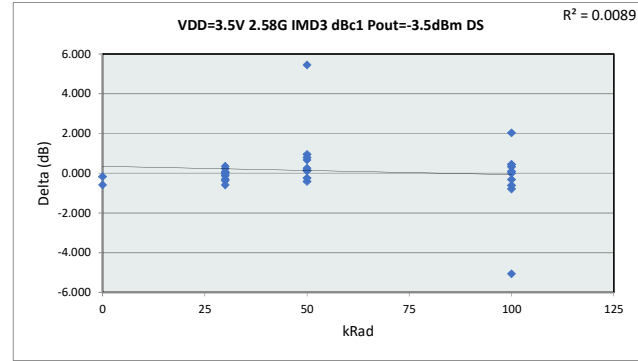
kRad	0	30	50	100
LL	-108.369	-108.369	-108.369	-108.369
Min	-93.123	-93.632	-95.436	-94.692
Average	-92.650	-91.396	-91.921	-91.330
Max	-92.178	-89.383	-89.681	-88.827
UL	-74.866	-74.866	-74.866	-74.866



QMLP TID Report
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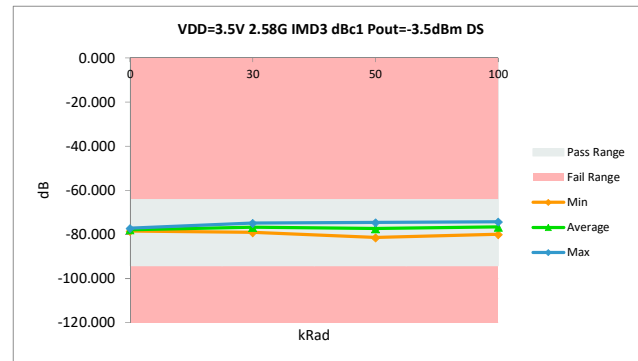
VDD=3.5V 2.58G IMD3 dBc1 Po	
Test Site	
Tester	
Test Number	
Unit	dB
Max Limit	-64
Min Limit	-94.14106544

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-79.023	-78.458	-0.565	0.72%	1.88%
0	C2	-77.381	-77.228	-0.153	0.20%	0.51%
30	1	-74.615	-74.867	0.252	-0.34%	0.84%
30	2	-75.944	-75.980	0.036	-0.05%	0.12%
30	3	-75.905	-75.546	-0.359	0.47%	1.19%
30	4	-78.953	-78.663	-0.289	0.37%	0.96%
30	5	-78.439	-78.371	-0.068	0.09%	0.22%
30	6 U	-79.064	-79.142	0.079	-0.10%	0.26%
30	7 U	-75.545	-75.910	0.366	-0.48%	1.21%
30	8 U	-77.019	-76.454	-0.565	0.73%	1.88%
30	9 U	-75.908	-75.983	0.075	-0.10%	0.25%
30	10 U	-76.712	-76.594	-0.118	0.15%	0.39%
50	11	-76.728	-76.329	-0.399	0.52%	1.32%
50	12	-78.148	-78.836	0.688	-0.88%	2.28%
50	13	-76.646	-77.462	0.816	-1.06%	2.71%
50	14	-75.091	-76.062	0.971	-1.29%	3.22%
50	15	-74.474	-74.617	0.143	-0.19%	0.48%
50	16 U	-77.018	-76.796	-0.223	0.29%	0.74%
50	17 U	-78.641	-78.820	0.179	-0.23%	0.59%
50	18 U	-75.007	-75.163	0.156	-0.21%	0.52%
50	19 U	-77.294	-77.564	0.270	-0.35%	0.89%
50	20 U	-75.957	-81.429	5.472	-7.20%	18.15%
100	21	-81.239	-76.196	-5.044	6.21%	16.73%
100	22	-78.027	-78.488	0.461	-0.59%	1.53%
100	23	-75.994	-76.448	0.454	-0.60%	1.51%
100	24	-77.931	-77.635	-0.296	0.38%	0.98%
100	25	-77.936	-79.984	2.048	-2.63%	6.79%
100	26 U	-77.498	-77.521	0.024	-0.03%	0.08%
100	27 U	-74.555	-74.891	0.335	-0.45%	1.11%
100	28 U	-74.151	-74.265	0.114	-0.15%	0.38%
100	29 U	-76.629	-76.042	-0.587	0.77%	1.95%
100	30 U	-75.089	-74.318	-0.770	1.03%	2.56%
	Max	-74.151	-74.265	5.472	6.21%	18.15%
	Average	-76.830	-76.939	0.109	-0.16%	2.32%
	Min	-81.239	-81.429	-5.044	-7.20%	0.08%
	Std Dev	1.648	1.720	1.440	1.84%	4.17%



VDD=3.5V 2.58G IMD3 dBc1 P	
Test Site	
Tester	
Test Number	
Unit	dB
Max Limit	-64
Min Limit	-94.14106544

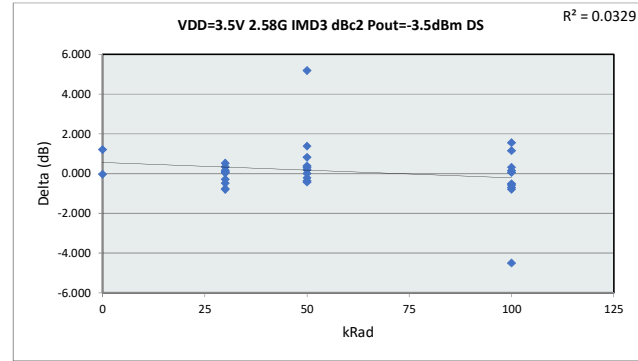
kRad	0	30	50	100
LL	-94.141	-94.141	-94.141	-94.141
Min	-78.458	-79.142	-81.429	-79.984
Average	-77.843	-76.751	-77.308	-76.579
Max	-77.228	-74.867	-74.617	-74.265
UL	-64.000	-64.000	-64.000	-64.000



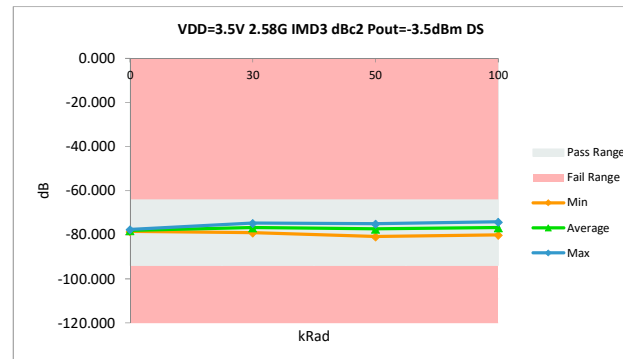
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G IMD3 dBc2 Pout	
Test Site	
Tester	
Test Number	
Unit	
Max Limit	-64
Min Limit	-93.86256898

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-78.501	-78.489	-0.011	0.01%	0.04%
0	C2	-76.323	-77.552	1.229	-1.61%	4.12%
30	1	-74.603	-74.787	0.184	-0.25%	0.62%
30	2	-75.981	-76.344	0.363	-0.48%	1.22%
30	3	-75.526	-74.755	-0.770	1.02%	2.58%
30	4	-78.930	-79.004	0.074	-0.09%	0.25%
30	5	-79.049	-78.782	-0.267	0.34%	0.89%
30	6 U	-78.798	-78.925	0.127	-0.16%	0.43%
30	7 U	-75.870	-75.935	0.065	-0.09%	0.22%
30	8 U	-76.919	-76.179	-0.740	0.96%	2.48%
30	9 U	-76.625	-76.166	-0.459	0.60%	1.54%
30	10 U	-76.012	-76.560	0.548	-0.72%	1.83%
50	11	-77.028	-77.245	0.217	-0.28%	0.73%
50	12	-77.655	-79.061	1.407	-1.81%	4.71%
50	13	-76.637	-76.664	0.027	-0.03%	0.09%
50	14	-75.085	-75.417	0.333	-0.44%	1.11%
50	15	-74.764	-75.611	0.848	-1.13%	2.84%
50	16 U	-77.220	-77.029	-0.190	0.25%	0.64%
50	17 U	-78.596	-78.247	-0.350	0.44%	1.17%
50	18 U	-75.440	-75.038	-0.402	0.53%	1.35%
50	19 U	-77.230	-77.643	0.412	-0.53%	1.38%
50	20 U	-75.634	-80.847	5.213	-6.89%	17.46%
100	21	-81.113	-76.631	-4.481	5.52%	15.01%
100	22	-78.322	-78.484	0.162	-0.21%	0.54%
100	23	-75.545	-76.715	1.170	-1.55%	3.92%
100	24	-78.205	-77.437	-0.768	0.98%	2.57%
100	25	-78.465	-80.042	1.577	-2.01%	5.28%
100	26 U	-78.595	-77.913	-0.682	0.87%	2.28%
100	27 U	-74.624	-74.706	0.083	-0.11%	0.28%
100	28 U	-74.649	-74.157	-0.492	0.66%	1.65%
100	29 U	-76.850	-76.290	-0.560	0.73%	1.87%
100	30 U	-74.224	-74.566	0.342	-0.46%	1.15%
	Max	-74.224	-74.157	5.213	5.52%	17.46%
	Average	-76.844	-76.976	0.131	-0.19%	2.57%
	Min	-81.113	-80.847	-4.481	-6.89%	0.04%
	Std Dev	1.670	1.689	1.381	1.78%	3.84%



VDD=3.5V 2.58G IMD3 dBc2 Pout=-3.5dBm DS				
Test Site				
Tester				
Test Number				
Max Limit	-64			
Min Limit	-93.86256898			
kRad	0	30	50	100
LL	-93.863	-93.863	-93.863	-93.863
Min	-78.489	-79.004	-80.847	-80.042
Average	-78.021	-76.744	-77.280	-76.694
Max	-77.552	-74.755	-75.038	-74.157
UL	-64.000	-64.000	-64.000	-64.000

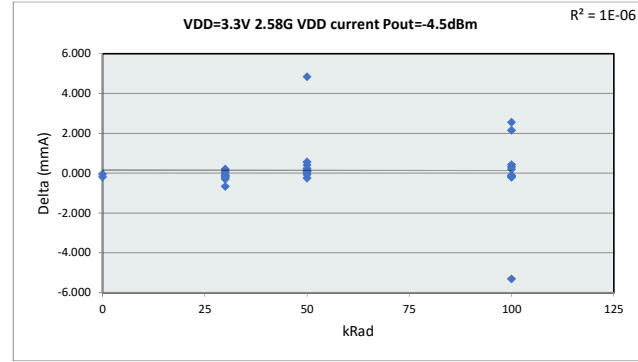


QMLP TID Report
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VDD=3.3V 2.58G VDD current P

Test Site		
Tester		
Test Number		
Unit	mmA	mmA
Max Limit	168.2442165	168.2442165
Min Limit	131.0497002	131.0497002

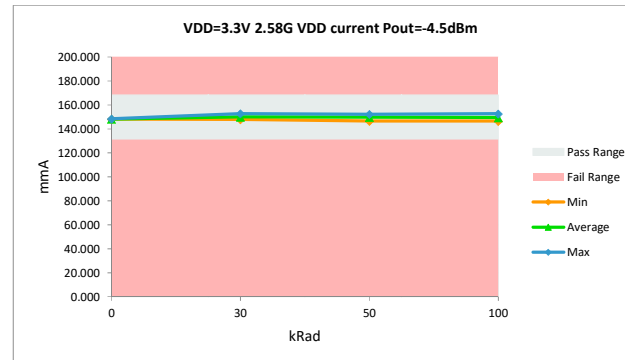
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	148.319	148.491	-0.172	-0.12%	0.46%
0	C2	148.047	148.074	-0.027	-0.02%	0.07%
30	1	149.786	149.871	-0.085	-0.06%	0.23%
30	2	149.603	149.693	-0.090	-0.06%	0.24%
30	3	152.388	152.668	-0.280	-0.18%	0.75%
30	4	147.625	147.805	-0.180	-0.12%	0.48%
30	5	152.057	151.952	0.105	0.07%	0.28%
30	6 U	148.758	148.901	-0.143	-0.10%	0.39%
30	7 U	149.939	149.719	0.220	0.15%	0.59%
30	8 U	148.239	148.880	-0.641	-0.43%	1.72%
30	9 U	151.280	151.357	-0.077	-0.05%	0.21%
30	10 U	149.899	149.858	0.041	0.03%	0.11%
50	11	149.030	148.453	0.577	0.39%	1.55%
50	12	152.365	151.935	0.430	0.28%	1.16%
50	13	148.859	148.740	0.119	0.08%	0.32%
50	14	150.319	150.171	0.147	0.10%	0.40%
50	15	152.386	152.266	0.119	0.08%	0.32%
50	16 U	146.246	146.477	-0.231	-0.16%	0.62%
50	17 U	150.230	150.284	-0.054	-0.04%	0.15%
50	18 U	151.599	151.343	0.256	0.17%	0.69%
50	19 U	149.792	149.768	0.024	0.02%	0.06%
50	20 U	152.623	147.760	4.863	3.19%	13.08%
100	21	147.202	152.492	-5.290	-3.59%	14.22%
100	22	148.406	148.066	0.340	0.23%	0.91%
100	23	148.731	148.280	0.451	0.30%	1.21%
100	24	149.121	146.550	2.571	1.72%	6.91%
100	25	150.282	148.114	2.168	1.44%	5.83%
100	26 U	146.982	147.076	-0.093	-0.06%	0.25%
100	27 U	152.722	152.504	0.219	0.14%	0.59%
100	28 U	152.378	152.556	-0.178	-0.12%	0.48%
100	29 U	148.195	148.301	-0.106	-0.07%	0.29%
100	30 U	150.140	150.299	-0.159	-0.11%	0.43%
	Max	152.722	152.668	4.863	3.19%	14.22%
	Average	149.798	149.647	0.151	0.10%	1.72%
	Min	146.246	146.477	-5.290	-3.59%	0.06%
	Std Dev	1.822	1.860	1.437	0.96%	3.47%



VDD=3.3V 2.58G VDD current

Test Site	
Tester	
Test Number	
Max Limit	168.2442165 mmA
Min Limit	131.0497002 mmA

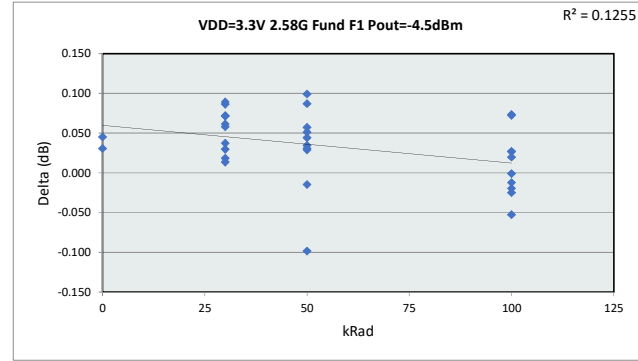
kRad	0	30	50	100
LL	131.050	131.050	131.050	131.050
Min	148.074	147.805	146.477	146.550
Average	148.282	150.070	149.720	149.424
Max	148.491	152.668	152.266	152.556
UL	168.244	168.244	168.244	168.244



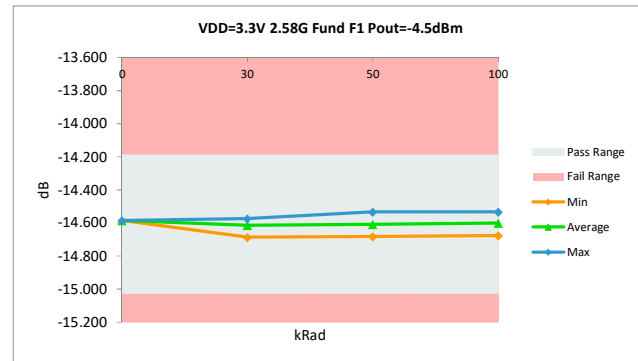
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G Fund F1 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.18718638	-14.18718638
Min Limit	-15.02533589	-15.02533589

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.540	-14.586	0.046	-0.31%	5.45%
0	C2	-14.555	-14.586	0.031	-0.21%	3.72%
30	1	-14.611	-14.670	0.058	-0.40%	6.97%
30	2	-14.541	-14.631	0.090	-0.62%	10.70%
30	3	-14.545	-14.583	0.038	-0.26%	4.51%
30	4	-14.574	-14.588	0.014	-0.10%	1.69%
30	5	-14.595	-14.614	0.019	-0.13%	2.26%
30	6 U	-14.487	-14.574	0.087	-0.60%	10.38%
30	7 U	-14.558	-14.588	0.030	-0.21%	3.61%
30	8 U	-14.560	-14.622	0.062	-0.43%	7.40%
30	9 U	-14.614	-14.686	0.072	-0.49%	8.58%
30	10 U	-14.510	-14.582	0.072	-0.50%	8.63%
50	11	-14.547	-14.533	-0.014	0.10%	1.69%
50	12	-14.582	-14.613	0.031	-0.21%	3.72%
50	13	-14.552	-14.604	0.052	-0.36%	6.18%
50	14	-14.632	-14.661	0.029	-0.20%	3.49%
50	15	-14.623	-14.681	0.058	-0.40%	6.91%
50	16 U	-14.533	-14.577	0.045	-0.31%	5.33%
50	17 U	-14.561	-14.660	0.099	-0.68%	11.87%
50	18 U	-14.571	-14.606	0.035	-0.24%	4.17%
50	19 U	-14.507	-14.594	0.087	-0.60%	10.43%
50	20 U	-14.656	-14.558	-0.098	0.67%	11.65%
100	21	-14.577	-14.651	0.074	-0.51%	8.84%
100	22	-14.589	-14.617	0.027	-0.19%	3.27%
100	23	-14.571	-14.552	-0.019	0.13%	2.28%
100	24	-14.585	-14.533	-0.052	0.36%	6.23%
100	25	-14.624	-14.612	-0.012	0.08%	1.39%
100	26 U	-14.570	-14.590	0.020	-0.14%	2.43%
100	27 U	-14.648	-14.676	0.027	-0.19%	3.28%
100	28 U	-14.562	-14.635	0.073	-0.50%	8.68%
100	29 U	-14.567	-14.567	0.000	0.00%	0.05%
100	30 U	-14.595	-14.571	-0.024	0.17%	2.91%
	Max	-14.487	-14.533	0.099	0.67%	11.87%
	Average	-14.573	-14.606	0.033	-0.23%	5.58%
	Min	-14.656	-14.686	-0.098	-0.68%	0.05%
	Std Dev	0.040	0.042	0.044	0.30%	3.32%



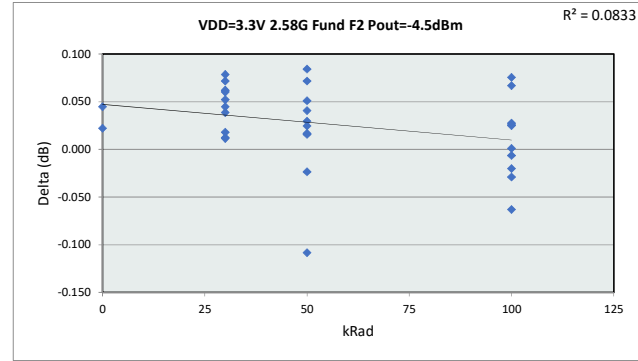
VDD=3.3V 2.58G Fund F1 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-14.18718638		dB	
Min Limit	-15.02533589		dB	
kRad	0	30	50	100
LL	-15.025	-15.025	-15.025	-15.025
Min	-14.586	-14.686	-14.681	-14.676
Average	-14.586	-14.614	-14.609	-14.600
Max	-14.586	-14.574	-14.533	-14.533
UL	-14.187	-14.187	-14.187	-14.187



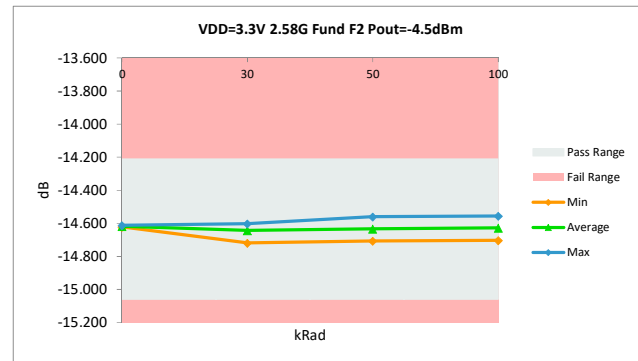
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G Fund F2 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.20782599	-14.20782599
Min Limit	-15.05862465	-15.05862465

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.576	-14.621	0.045	-0.31%	5.30%
0	C2	-14.589	-14.612	0.023	-0.15%	2.65%
30	1	-14.649	-14.702	0.052	-0.36%	6.17%
30	2	-14.577	-14.656	0.079	-0.54%	9.28%
30	3	-14.578	-14.617	0.039	-0.27%	4.59%
30	4	-14.610	-14.622	0.013	-0.09%	1.49%
30	5	-14.634	-14.646	0.012	-0.08%	1.40%
30	6 U	-14.529	-14.602	0.072	-0.50%	8.48%
30	7 U	-14.597	-14.615	0.018	-0.13%	2.15%
30	8 U	-14.599	-14.644	0.045	-0.31%	5.31%
30	9 U	-14.656	-14.718	0.062	-0.43%	7.35%
30	10 U	-14.546	-14.607	0.061	-0.42%	7.12%
50	11	-14.583	-14.560	-0.023	0.16%	2.71%
50	12	-14.620	-14.637	0.017	-0.12%	2.01%
50	13	-14.584	-14.625	0.041	-0.28%	4.84%
50	14	-14.665	-14.681	0.016	-0.11%	1.89%
50	15	-14.655	-14.706	0.051	-0.35%	6.05%
50	16 U	-14.571	-14.601	0.030	-0.21%	3.53%
50	17 U	-14.602	-14.686	0.084	-0.58%	9.93%
50	18 U	-14.611	-14.636	0.025	-0.17%	2.94%
50	19 U	-14.544	-14.616	0.072	-0.50%	8.47%
50	20 U	-14.688	-14.580	-0.108	0.74%	12.69%
100	21	-14.605	-14.681	0.076	-0.52%	8.93%
100	22	-14.616	-14.643	0.027	-0.18%	3.17%
100	23	-14.596	-14.577	-0.020	0.13%	2.31%
100	24	-14.617	-14.555	-0.063	0.43%	7.36%
100	25	-14.649	-14.642	-0.006	0.04%	0.72%
100	26 U	-14.596	-14.621	0.025	-0.17%	2.99%
100	27 U	-14.675	-14.703	0.028	-0.19%	3.29%
100	28 U	-14.594	-14.661	0.067	-0.46%	7.89%
100	29 U	-14.596	-14.598	0.001	-0.01%	0.16%
100	30 U	-14.623	-14.594	-0.029	0.20%	3.35%
	Max	-14.529	-14.555	0.084	0.74%	12.69%
	Average	-14.607	-14.633	0.026	-0.18%	4.89%
	Min	-14.688	-14.718	-0.108	-0.58%	0.16%
	Std Dev	0.038	0.043	0.042	0.29%	3.11%



VDD=3.3V 2.58G Fund F2 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-14.20782599		dB	
Min Limit	-15.05862465		dB	
kRad	0	30	50	100
LL	-15.059	-15.059	-15.059	-15.059
Min	-14.621	-14.718	-14.706	-14.703
Average	-14.617	-14.643	-14.633	-14.627
Max	-14.612	-14.602	-14.560	-14.555
UL	-14.208	-14.208	-14.208	-14.208

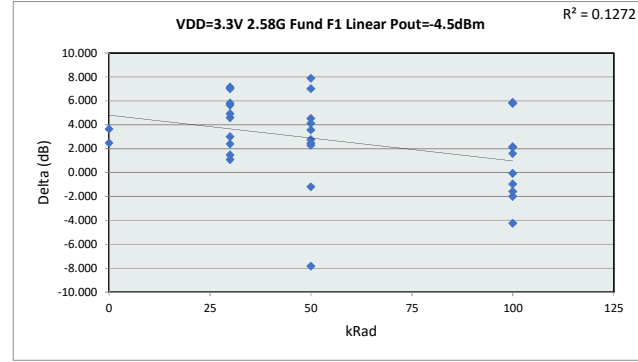


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G Fund F1 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	379.6157405	379.6157405
Min Limit	312.890136	312.890136

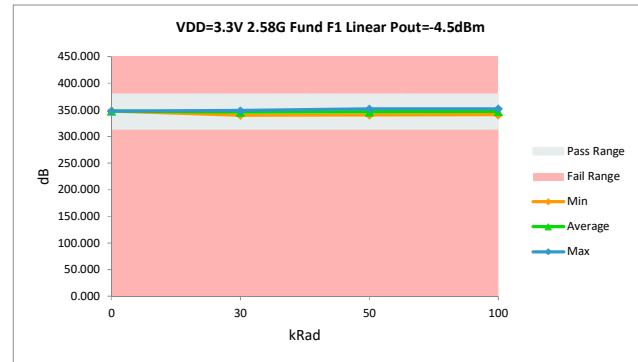
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	351.561	347.884	3.676	1.05%	5.51%
0	C2	350.385	347.876	2.509	0.72%	3.76%
30	1	345.851	341.227	4.624	1.34%	6.93%
30	2	351.472	344.291	7.181	2.04%	10.76%
30	3	351.180	348.136	3.044	0.87%	4.56%
30	4	348.803	347.670	1.132	0.32%	1.70%
30	5	347.119	345.607	1.511	0.44%	2.27%
30	6 U	355.902	348.844	7.058	1.98%	10.58%
30	7 U	350.116	347.682	2.434	0.70%	3.65%
30	8 U	349.981	345.020	4.961	1.42%	7.44%
30	9 U	345.594	339.917	5.677	1.64%	8.51%
30	10 U	354.024	348.174	5.850	1.65%	8.77%
50	11	350.971	352.114	-1.143	-0.33%	1.71%
50	12	348.172	345.683	2.489	0.71%	3.73%
50	13	350.607	346.451	4.156	1.19%	6.23%
50	14	344.212	341.899	2.313	0.67%	3.47%
50	15	344.885	340.318	4.568	1.32%	6.85%
50	16 U	352.166	348.561	3.605	1.02%	5.40%
50	17 U	349.887	341.963	7.924	2.26%	11.88%
50	18 U	349.077	346.276	2.801	0.80%	4.20%
50	19 U	354.251	347.189	7.062	1.99%	10.58%
50	20 U	342.283	350.069	-7.786	-2.27%	11.67%
100	21	348.563	342.666	5.897	1.69%	8.84%
100	22	347.610	345.421	2.189	0.63%	3.28%
100	23	349.062	350.599	-1.537	-0.44%	2.30%
100	24	347.932	352.138	-4.206	-1.21%	6.30%
100	25	344.818	345.746	-0.929	-0.27%	1.39%
100	26 U	349.140	347.504	1.636	0.47%	2.45%
100	27 U	342.897	340.736	2.162	0.63%	3.24%
100	28 U	349.769	343.956	5.813	1.66%	8.71%
100	29 U	349.357	349.390	-0.033	-0.01%	0.05%
100	30 U	347.134	349.087	-1.953	-0.56%	2.93%
	Max	355.902	352.138	7.924	2.26%	11.88%
	Average	348.899	346.253	2.646	0.75%	5.61%
	Min	342.283	339.917	-7.786	-2.27%	0.05%
	Std Dev	3.172	3.336	3.496	1.00%	3.34%



VDD=3.3V 2.58G Fund F1 Linear

Test Site		
Tester		
Test Number		
Max Limit	379.6157405	dB
Min Limit	312.890136	dB

kRad	0	30	50	100
LL	312.890	312.890	312.890	312.890
Min	347.876	339.917	340.318	340.736
Average	347.880	345.657	346.052	346.724
Max	347.884	348.844	352.114	352.138
UL	379.616	379.616	379.616	379.616

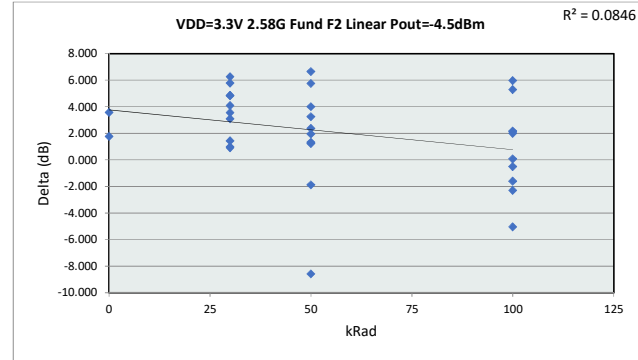


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G Fund F2 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	377.7729938	377.7729938
Min Limit	310.447551	310.447551

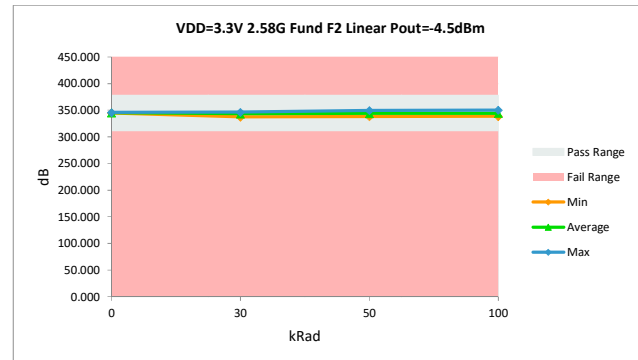
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	348.661	345.062	3.600	1.03%	5.35%
0	C2	347.577	345.777	1.800	0.52%	2.67%
30	1	342.823	338.706	4.117	1.20%	6.12%
30	2	348.616	342.333	6.283	1.80%	9.33%
30	3	348.502	345.381	3.121	0.90%	4.64%
30	4	345.954	344.948	1.007	0.29%	1.50%
30	5	344.024	343.081	0.942	0.27%	1.40%
30	6 U	352.416	346.609	5.807	1.65%	8.63%
30	7 U	346.996	345.541	1.456	0.42%	2.16%
30	8 U	346.813	343.226	3.587	1.03%	5.33%
30	9 U	342.306	337.416	4.891	1.43%	7.26%
30	10 U	351.065	346.204	4.861	1.38%	7.22%
50	11	348.114	349.968	-1.854	-0.53%	2.75%
50	12	345.163	343.804	1.359	0.39%	2.02%
50	13	348.017	344.736	3.281	0.94%	4.87%
50	14	341.591	340.328	1.262	0.37%	1.88%
50	15	342.397	338.366	4.031	1.18%	5.99%
50	16 U	349.051	346.648	2.403	0.69%	3.57%
50	17 U	346.609	339.933	6.676	1.93%	9.92%
50	18 U	345.866	343.877	1.989	0.58%	2.95%
50	19 U	351.276	345.496	5.780	1.65%	8.59%
50	20 U	339.774	348.329	-8.555	-2.52%	12.71%
100	21	346.365	340.359	6.006	1.73%	8.92%
100	22	345.497	343.360	2.137	0.62%	3.17%
100	23	347.037	348.612	-1.575	-0.45%	2.34%
100	24	345.358	350.372	-5.013	-1.45%	7.45%
100	25	342.886	343.367	-0.482	-0.14%	0.72%
100	26 U	347.076	345.048	2.029	0.58%	3.01%
100	27 U	340.829	338.637	2.192	0.64%	3.26%
100	28 U	347.218	341.891	5.327	1.53%	7.91%
100	29 U	347.046	346.936	0.110	0.03%	0.16%
100	30 U	344.904	347.179	-2.274	-0.66%	3.38%
	Max	352.416	350.372	6.676	1.93%	12.71%
	Average	346.182	344.110	2.072	0.59%	4.91%
	Min	339.774	337.416	-8.555	-2.52%	0.16%
	Std Dev	3.000	3.366	3.355	0.97%	3.12%



VDD=3.3V 2.58G Fund F2 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	377.7729938	377.7729938
Min Limit	310.447551	310.447551

kRad	0	30	50	100
LL	310.448	310.448	310.448	310.448
Min	345.062	337.416	338.366	338.637
Average	345.419	343.344	344.149	344.576
Max	345.777	346.609	349.968	350.372
UL	377.773	377.773	377.773	377.773

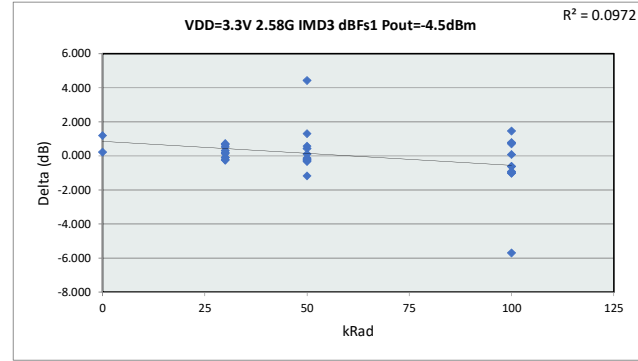


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G IMD3 dBFs1 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-76.88099302	-76.88099302
Min Limit	-109.374205	-109.374205

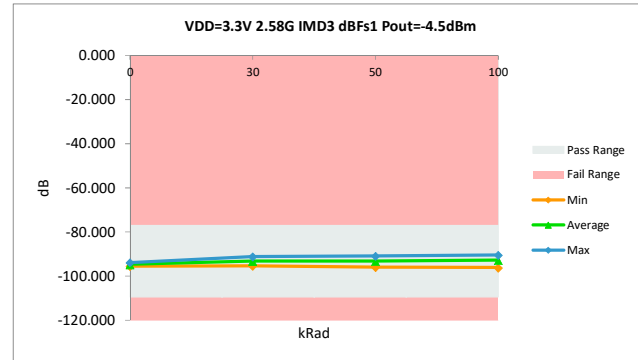
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-94.258	-95.470	1.211	-1.29%	3.73%
0	C2	-93.616	-93.861	0.245	-0.26%	0.75%
30	1	-91.294	-91.095	-0.199	0.22%	0.61%
30	2	-91.760	-92.306	0.546	-0.59%	1.68%
30	3	-91.702	-91.477	-0.225	0.25%	0.69%
30	4	-94.621	-95.309	0.688	-0.73%	2.12%
30	5	-94.257	-94.993	0.736	-0.78%	2.26%
30	6 U	-94.963	-95.116	0.152	-0.16%	0.47%
30	7 U	-92.336	-92.258	-0.078	0.08%	0.24%
30	8 U	-92.982	-92.907	-0.075	0.08%	0.23%
30	9 U	-92.450	-92.787	0.338	-0.37%	1.04%
30	10 U	-92.450	-92.669	0.219	-0.24%	0.67%
50	11	-92.916	-92.653	-0.263	0.28%	0.81%
50	12	-93.801	-95.130	1.329	-1.42%	4.09%
50	13	-92.958	-92.856	-0.102	0.11%	0.31%
50	14	-91.233	-91.695	0.463	-0.51%	1.42%
50	15	-91.018	-90.837	-0.180	0.20%	0.56%
50	16 U	-93.140	-93.267	0.127	-0.14%	0.39%
50	17 U	-95.317	-95.008	-0.309	0.32%	0.95%
50	18 U	-91.282	-91.871	0.589	-0.64%	1.81%
50	19 U	-94.087	-92.928	-1.159	1.23%	3.57%
50	20 U	-91.476	-95.920	4.445	-4.86%	13.68%
100	21	-98.013	-92.334	-5.679	5.79%	17.48%
100	22	-94.653	-96.141	1.487	-1.57%	4.58%
100	23	-91.698	-92.504	0.807	-0.88%	2.48%
100	24	-94.753	-93.858	-0.895	0.94%	2.75%
100	25	-95.122	-94.534	-0.588	0.62%	1.81%
100	26 U	-94.349	-93.743	-0.606	0.64%	1.86%
100	27 U	-91.034	-91.126	0.091	-0.10%	0.28%
100	28 U	-90.100	-90.827	0.727	-0.81%	2.24%
100	29 U	-93.115	-92.144	-0.971	1.04%	2.99%
100	30 U	-91.456	-90.461	-0.996	1.09%	3.06%
	Max	-90.100	-90.461	4.445	5.79%	17.48%
	Average	-93.069	-93.128	0.059	-0.08%	2.55%
	Min	-98.013	-96.141	-5.679	-4.86%	0.23%
	Std Dev	1.706	1.625	1.457	1.53%	3.66%



VDD=3.3V 2.58G IMD3 dBFs1

Test Site		
Tester		
Test Number		
Max Limit	-76.88099302	dB
Min Limit	-109.374205	dB

kRad	0	30	50	100
LL	-109.374	-109.374	-109.374	-109.374
Min	-95.470	-95.309	-95.920	-96.141
Average	-94.665	-93.092	-93.217	-92.767
Max	-93.861	-91.095	-90.837	-90.461
UL	-76.881	-76.881	-76.881	-76.881

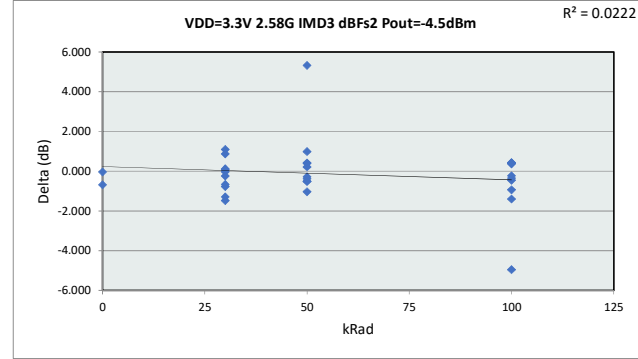


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G IMD3 dBFs2 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-77.8872753	-77.8872753
Min Limit	-108.122702	-108.122702

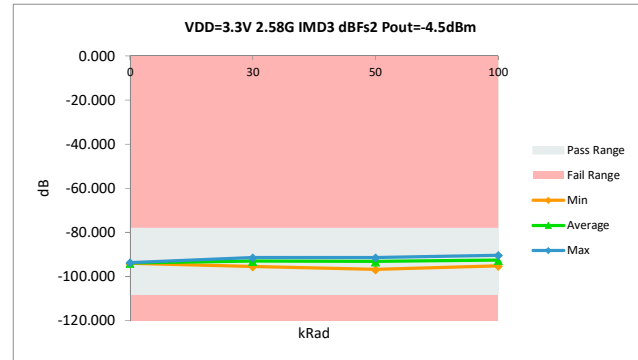
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-94.752	-94.087	-0.665	0.70%	2.20%
0	C2	-93.687	-93.673	-0.013	0.01%	0.04%
30	1	-91.474	-91.462	-0.012	0.01%	0.04%
30	2	-92.390	-92.474	0.084	-0.09%	0.28%
30	3	-91.710	-91.849	0.139	-0.15%	0.46%
30	4	-96.088	-95.437	-0.651	0.68%	2.15%
30	5	-94.570	-93.815	-0.755	0.80%	2.50%
30	6 U	-95.453	-93.992	-1.461	1.53%	4.83%
30	7 U	-91.452	-92.340	0.887	-0.97%	2.93%
30	8 U	-92.307	-93.422	1.115	-1.21%	3.69%
30	9 U	-93.770	-92.497	-1.274	1.36%	4.21%
30	10 U	-92.665	-92.442	-0.223	0.24%	0.74%
50	11	-92.725	-92.954	0.229	-0.25%	0.76%
50	12	-94.018	-93.760	-0.258	0.27%	0.85%
50	13	-92.798	-93.800	1.002	-1.08%	3.31%
50	14	-91.888	-91.534	-0.354	0.38%	1.17%
50	15	-91.164	-91.580	0.416	-0.46%	1.38%
50	16 U	-92.936	-92.448	-0.488	0.53%	1.61%
50	17 U	-94.390	-94.827	0.436	-0.46%	1.44%
50	18 U	-91.989	-91.500	-0.489	0.53%	1.62%
50	19 U	-94.174	-93.164	-1.010	1.07%	3.34%
50	20 U	-91.486	-96.834	5.348	-5.85%	17.69%
100	21	-96.378	-91.443	-4.935	5.12%	16.32%
100	22	-94.702	-95.089	0.387	-0.41%	1.28%
100	23	-92.044	-92.487	0.443	-0.48%	1.46%
100	24	-94.224	-93.312	-0.912	0.97%	3.02%
100	25	-94.738	-95.186	0.448	-0.47%	1.48%
100	26 U	-94.388	-93.958	-0.430	0.46%	1.42%
100	27 U	-90.984	-90.657	-0.327	0.36%	1.08%
100	28 U	-90.332	-90.750	0.418	-0.46%	1.38%
100	29 U	-93.256	-93.048	-0.208	0.22%	0.69%
100	30 U	-91.719	-90.339	-1.380	1.50%	4.56%
	Max	-90.332	-90.339	5.348	5.12%	17.69%
	Average	-93.145	-93.005	-0.140	0.14%	2.81%
	Min	-96.378	-96.834	-4.935	-5.85%	0.04%
	Std Dev	1.563	1.512	1.465	1.57%	3.94%



VDD=3.3V 2.58G IMD3 dBFs2

Test Site	
Tester	
Test Number	
Max Limit	-77.8872753 dB
Min Limit	-108.122702 dB

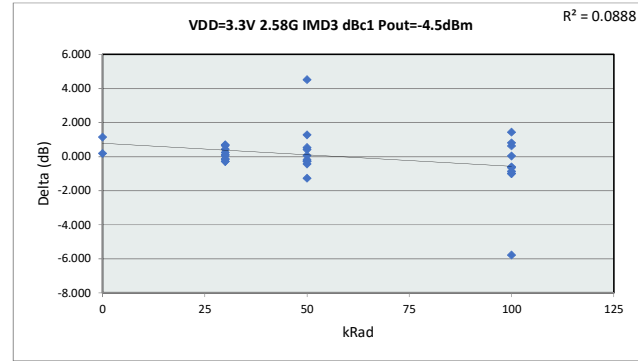
kRad	0	30	50	100
LL	-108.123	-108.123	-108.123	-108.123
Min	-94.087	-95.437	-96.834	-95.186
Average	-93.880	-92.973	-93.240	-92.627
Max	-93.673	-91.462	-91.500	-90.339
UL	-77.887	-77.887	-77.887	-77.887



QMLP TID Report
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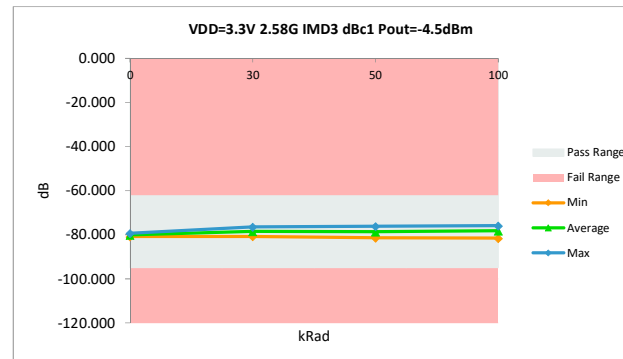
VDD=3.3V 2.58G IMD3 dBc1 Po	
Test Site	
Tester	
Test Number	
Unit	
	dB
Max Limit	-62.1512877
Min Limit	-94.89138827

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-79.718	-80.884	1.166	-1.46%	3.56%
0	C2	-79.061	-79.275	0.214	-0.27%	0.65%
30	1	-76.683	-76.425	-0.258	0.34%	0.79%
30	2	-77.219	-77.675	0.456	-0.59%	1.39%
30	3	-77.157	-76.894	-0.263	0.34%	0.80%
30	4	-80.047	-80.721	0.674	-0.84%	2.06%
30	5	-79.662	-80.378	0.717	-0.90%	2.19%
30	6 U	-80.477	-80.542	0.065	-0.08%	0.20%
30	7 U	-77.778	-77.669	-0.109	0.14%	0.33%
30	8 U	-78.423	-78.286	-0.137	0.17%	0.42%
30	9 U	-77.835	-78.101	0.266	-0.34%	0.81%
30	10 U	-77.941	-78.087	0.146	-0.19%	0.45%
50	11	-78.369	-78.119	-0.249	0.32%	0.76%
50	12	-79.219	-80.517	1.298	-1.64%	3.96%
50	13	-78.406	-78.253	-0.154	0.20%	0.47%
50	14	-76.601	-77.034	0.433	-0.57%	1.32%
50	15	-76.394	-76.156	-0.238	0.31%	0.73%
50	16 U	-78.607	-78.689	0.082	-0.10%	0.25%
50	17 U	-80.756	-80.348	-0.409	0.51%	1.25%
50	18 U	-76.712	-77.265	0.554	-0.72%	1.69%
50	19 U	-79.580	-78.333	-1.247	1.57%	3.81%
50	20 U	-76.820	-81.362	4.542	-5.91%	13.87%
100	21	-83.436	-77.683	-5.753	6.90%	17.57%
100	22	-80.064	-81.524	1.460	-1.82%	4.46%
100	23	-77.127	-77.952	0.826	-1.07%	2.52%
100	24	-80.168	-79.325	-0.843	1.05%	2.57%
100	25	-80.498	-79.922	-0.576	0.72%	1.76%
100	26 U	-79.779	-79.152	-0.626	0.78%	1.91%
100	27 U	-76.386	-76.450	0.064	-0.08%	0.20%
100	28 U	-75.538	-76.192	0.654	-0.87%	2.00%
100	29 U	-78.548	-77.577	-0.970	1.24%	2.96%
100	30 U	-76.861	-75.890	-0.971	1.26%	2.97%
	Max	-75.538	-75.890	4.542	6.90%	17.57%
	Average	-78.496	-78.521	0.025	-0.05%	0.252%
	Min	-83.436	-81.524	-5.753	-5.91%	0.202%
	Std Dev	1.717	1.637	1.472	1.83%	3.70%



VDD=3.3V 2.58G IMD3 dBc1 P	
Test Site	
Tester	
Test Number	
Max Limit	-62.1512877
Min Limit	-94.89138827

kRad	0	30	50	100
LL	-94.891	-94.891	-94.891	-94.891
Min	-80.884	-80.721	-81.362	-81.524
Average	-80.079	-78.478	-78.608	-78.167
Max	-79.275	-76.425	-76.156	-75.890
UL	-62.151	-62.151	-62.151	-62.151

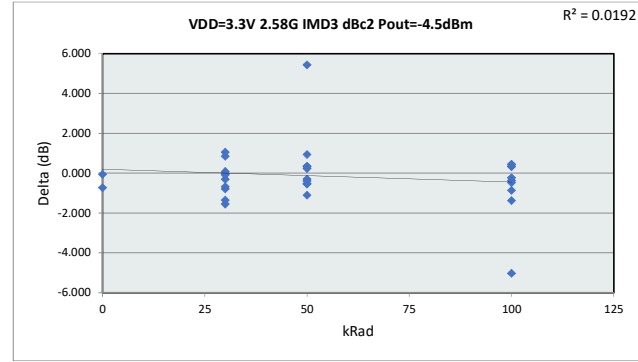


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G IMD3 dBc2 Po

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-63.11636085	-63.11636085
Min Limit	-93.62716657	-93.62716657

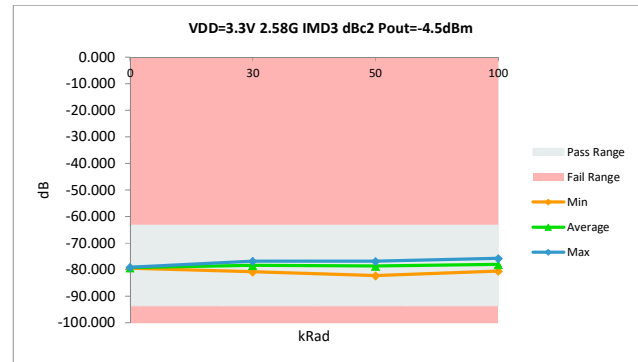
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-80.176	-79.466	-0.710	0.89%	2.33%
0	C2	-79.097	-79.061	-0.036	0.05%	0.12%
30	1	-76.824	-76.760	-0.065	0.08%	0.21%
30	2	-77.814	-77.819	0.005	-0.01%	0.02%
30	3	-77.132	-77.232	0.100	-0.13%	0.33%
30	4	-81.478	-80.815	-0.663	0.81%	2.17%
30	5	-79.936	-79.168	-0.767	0.96%	2.51%
30	6 U	-80.924	-79.391	-1.533	1.89%	5.03%
30	7 U	-76.856	-77.725	0.869	-1.13%	2.85%
30	8 U	-77.708	-78.778	1.070	-1.38%	3.51%
30	9 U	-79.114	-77.778	-1.336	1.69%	4.38%
30	10 U	-78.119	-77.835	-0.283	0.36%	0.93%
50	11	-78.142	-78.394	0.252	-0.32%	0.83%
50	12	-79.398	-79.123	-0.275	0.35%	0.90%
50	13	-78.214	-79.175	0.961	-1.23%	3.15%
50	14	-77.223	-76.853	-0.370	0.48%	1.21%
50	15	-76.509	-76.874	0.365	-0.48%	1.20%
50	16 U	-78.365	-77.847	-0.518	0.66%	1.70%
50	17 U	-79.789	-80.141	0.352	-0.44%	1.15%
50	18 U	-77.378	-76.864	-0.514	0.66%	1.68%
50	19 U	-79.630	-78.549	-1.082	1.36%	3.55%
50	20 U	-76.798	-82.254	5.456	-7.10%	17.88%
100	21	-81.773	-76.762	-5.011	6.13%	16.42%
100	22	-80.086	-80.447	0.360	-0.45%	1.18%
100	23	-77.448	-77.911	0.462	-0.60%	1.52%
100	24	-79.606	-78.757	-0.849	1.07%	2.78%
100	25	-80.090	-80.544	0.454	-0.57%	1.49%
100	26 U	-79.793	-79.337	-0.455	0.57%	1.49%
100	27 U	-76.309	-75.954	-0.355	0.47%	1.16%
100	28 U	-75.738	-76.089	0.351	-0.46%	1.15%
100	29 U	-78.660	-78.450	-0.210	0.27%	0.69%
100	30 U	-77.096	-75.745	-1.351	1.75%	4.43%
	Max	-75.738	-75.745	5.456	6.13%	17.88%
	Average	-78.538	-78.372	-0.166	0.19%	2.81%
	Min	-81.773	-82.254	-5.011	-7.10%	0.02%
	Std Dev	1.574	1.526	1.486	1.88%	3.98%



VDD=3.3V 2.58G IMD3 dBc2 P

Test Site			
Tester			
Test Number			
Max Limit	-63.11636085	dB	
Min Limit	-93.62716657	dB	

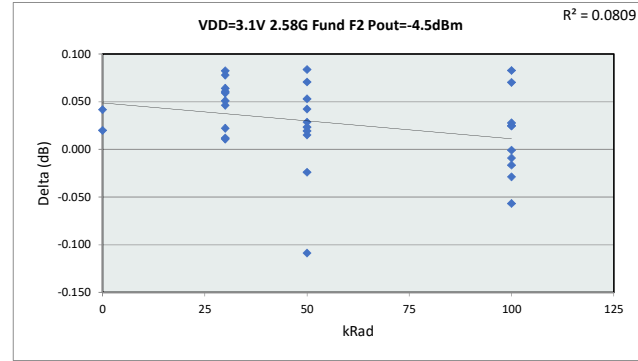
	kRad	0	30	50	100
LL		-93.627	-93.627	-93.627	-93.627
Min		-79.466	-80.815	-82.254	-80.544
Average		-79.263	-78.330	-78.607	-78.000
Max		-79.061	-76.760	-76.853	-75.745
UL		-63.116	-63.116	-63.116	-63.116



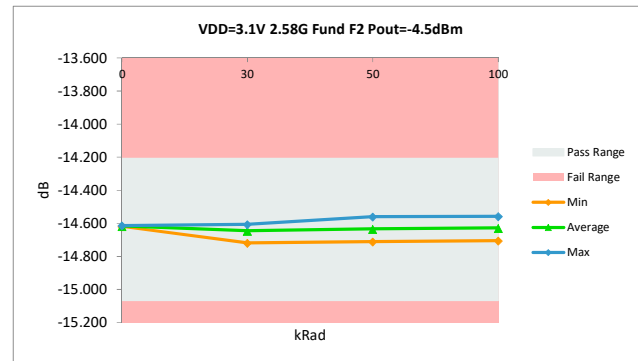
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G Fund F2 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.20281892	-14.20281892
Min Limit	-15.06601275	-15.06601275

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.576	-14.619	0.042	-0.29%	4.88%
0	C2	-14.593	-14.613	0.020	-0.14%	2.35%
30	1	-14.650	-14.710	0.060	-0.41%	6.91%
30	2	-14.574	-14.657	0.083	-0.57%	9.60%
30	3	-14.573	-14.620	0.047	-0.32%	5.41%
30	4	-14.609	-14.620	0.011	-0.08%	1.31%
30	5	-14.631	-14.644	0.012	-0.08%	1.43%
30	6 U	-14.528	-14.606	0.078	-0.54%	9.08%
30	7 U	-14.592	-14.615	0.022	-0.15%	2.60%
30	8 U	-14.598	-14.650	0.051	-0.35%	5.94%
30	9 U	-14.657	-14.718	0.061	-0.42%	7.08%
30	10 U	-14.546	-14.611	0.064	-0.44%	7.46%
50	11	-14.584	-14.560	-0.024	0.16%	2.74%
50	12	-14.617	-14.637	0.020	-0.14%	2.29%
50	13	-14.582	-14.625	0.043	-0.29%	4.95%
50	14	-14.667	-14.682	0.016	-0.11%	1.80%
50	15	-14.657	-14.710	0.053	-0.36%	6.19%
50	16 U	-14.575	-14.604	0.029	-0.20%	3.37%
50	17 U	-14.602	-14.686	0.084	-0.58%	9.75%
50	18 U	-14.613	-14.637	0.024	-0.16%	2.76%
50	19 U	-14.542	-14.613	0.071	-0.49%	8.24%
50	20 U	-14.689	-14.581	-0.108	0.74%	12.55%
100	21	-14.601	-14.684	0.083	-0.57%	9.64%
100	22	-14.614	-14.642	0.028	-0.19%	3.26%
100	23	-14.595	-14.579	-0.016	0.11%	1.86%
100	24	-14.614	-14.558	-0.056	0.39%	6.53%
100	25	-14.649	-14.640	-0.009	0.06%	1.00%
100	26 U	-14.597	-14.622	0.025	-0.17%	2.90%
100	27 U	-14.680	-14.705	0.025	-0.17%	2.92%
100	28 U	-14.594	-14.665	0.071	-0.48%	8.18%
100	29 U	-14.595	-14.594	0.000	0.00%	0.04%
100	30 U	-14.623	-14.594	-0.028	0.19%	3.28%
	Max	-14.528	-14.558	0.084	0.74%	12.55%
	Average	-14.607	-14.634	0.028	-0.19%	4.95%
	Min	-14.689	-14.718	-0.108	-0.58%	0.04%
	Std Dev	0.038	0.043	0.043	0.29%	3.18%



VDD=3.1V 2.58G Fund F2 Pout=-				
Test Site				
Tester				
Test Number				
Max Limit	-14.20281892		dB	
Min Limit	-15.06601275		dB	
kRad	0	30	50	100
LL	-15.066	-15.066	-15.066	-15.066
Min	-14.619	-14.718	-14.710	-14.705
Average	-14.616	-14.645	-14.634	-14.628
Max	-14.613	-14.606	-14.560	-14.558
UL	-14.203	-14.203	-14.203	-14.203

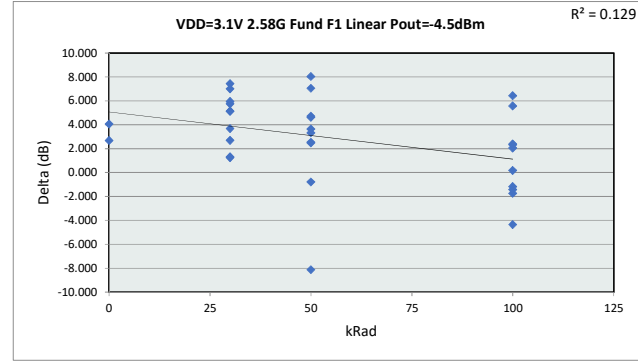


QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G Fund F1 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	379.9192663	379.9192663
Min Limit	312.3498396	312.3498396

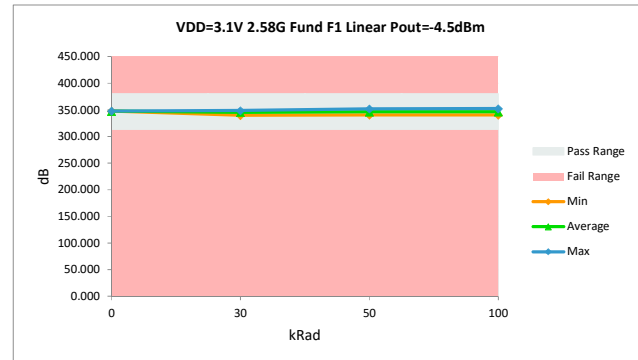
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	351.845	347.739	4.106	1.17%	6.08%
0	C2	350.540	347.824	2.715	0.77%	4.02%
30	1	345.872	340.708	5.164	1.49%	7.64%
30	2	351.698	344.220	7.478	2.13%	11.07%
30	3	351.532	347.814	3.717	1.06%	5.50%
30	4	348.893	347.541	1.352	0.39%	2.00%
30	5	347.099	345.802	1.298	0.37%	1.92%
30	6 U	355.898	348.851	7.046	1.98%	10.43%
30	7 U	350.322	347.588	2.735	0.78%	4.05%
30	8 U	349.962	344.786	5.176	1.48%	7.66%
30	9 U	345.400	339.617	5.783	1.67%	8.56%
30	10 U	353.962	347.975	5.987	1.69%	8.86%
50	11	351.083	351.839	-0.756	-0.22%	1.12%
50	12	348.564	346.055	2.509	0.72%	3.71%
50	13	351.010	346.339	4.671	1.33%	6.91%
50	14	344.358	341.786	2.572	0.75%	3.81%
50	15	345.005	340.253	4.752	1.38%	7.03%
50	16 U	351.967	348.287	3.680	1.05%	5.45%
50	17 U	349.962	341.891	8.071	2.31%	11.95%
50	18 U	349.099	345.733	3.366	0.96%	4.98%
50	19 U	354.585	347.501	7.084	2.00%	10.48%
50	20 U	342.214	350.296	-8.082	-2.36%	11.96%
100	21	349.011	342.546	6.465	1.85%	9.57%
100	22	347.689	345.259	2.430	0.70%	3.60%
100	23	349.091	350.489	-1.398	-0.40%	2.07%
100	24	347.904	352.210	-4.306	-1.24%	6.37%
100	25	344.819	345.952	-1.133	-0.33%	1.68%
100	26 U	349.281	347.193	2.088	0.60%	3.09%
100	27 U	342.731	340.369	2.362	0.69%	3.50%
100	28 U	349.510	343.895	5.615	1.61%	8.31%
100	29 U	349.374	349.158	0.216	0.06%	0.32%
100	30 U	347.094	348.790	-1.696	-0.49%	2.51%
	Max	355.898	352.210	8.071	2.31%	11.96%
	Average	348.980	346.135	2.846	0.81%	5.82%
	Min	342.214	339.617	-8.082	-2.36%	0.32%
	Std Dev	3.224	3.378	3.572	1.02%	3.36%



VDD=3.1V 2.58G Fund F1 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	379.9192663	379.9192663
Min Limit	312.3498396	312.3498396

kRad	0	30	50	100
LL	312.350	312.350	312.350	312.350
Min	347.739	339.617	340.253	340.369
Average	347.782	345.490	345.998	346.586
Max	347.824	348.851	351.839	352.210
UL	379.919	379.919	379.919	379.919

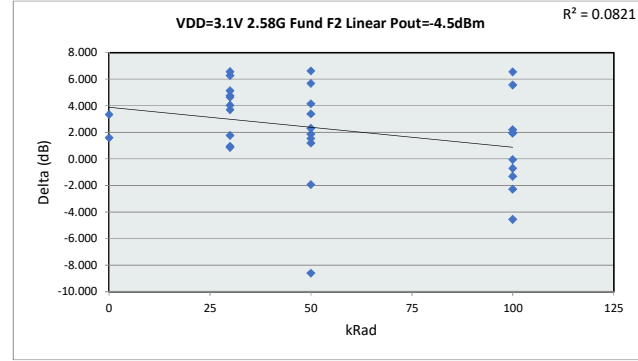


QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G Fund F2 Linea

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	378.1496389	378.1496389
Min Limit	309.8831923	309.8831923

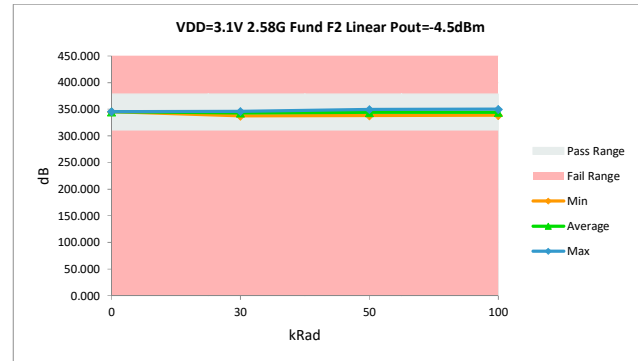
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	348.626	345.261	3.365	0.97%	4.93%
0	C2	347.289	345.670	1.620	0.47%	2.37%
30	1	342.735	338.061	4.674	1.36%	6.85%
30	2	348.801	342.211	6.590	1.89%	9.65%
30	3	348.893	345.164	3.729	1.07%	5.46%
30	4	346.020	345.117	0.903	0.26%	1.32%
30	5	344.232	343.256	0.975	0.28%	1.43%
30	6 U	352.553	346.250	6.302	1.79%	9.23%
30	7 U	347.350	345.559	1.791	0.52%	2.62%
30	8 U	346.863	342.795	4.068	1.17%	5.96%
30	9 U	342.198	337.418	4.781	1.40%	7.00%
30	10 U	351.037	345.872	5.166	1.47%	7.57%
50	11	348.041	349.941	-1.900	-0.55%	2.78%
50	12	345.401	343.835	1.566	0.45%	2.29%
50	13	348.155	344.744	3.411	0.98%	5.00%
50	14	341.441	340.223	1.218	0.36%	1.78%
50	15	342.230	338.048	4.183	1.22%	6.13%
50	16 U	348.770	346.442	2.328	0.67%	3.41%
50	17 U	346.597	339.945	6.652	1.92%	9.74%
50	18 U	345.665	343.772	1.893	0.55%	2.77%
50	19 U	351.375	345.665	5.710	1.63%	8.36%
50	20 U	339.670	348.246	-8.576	-2.52%	12.56%
100	21	346.681	340.100	6.581	1.90%	9.64%
100	22	345.633	343.401	2.232	0.65%	3.27%
100	23	347.102	348.385	-1.283	-0.37%	1.88%
100	24	345.624	350.141	-4.517	-1.31%	6.62%
100	25	342.879	343.562	-0.683	-0.20%	1.00%
100	26 U	346.969	344.973	1.996	0.58%	2.92%
100	27 U	340.435	338.462	1.973	0.58%	2.89%
100	28 U	347.202	341.604	5.598	1.61%	8.20%
100	29 U	347.175	347.202	-0.027	-0.01%	0.04%
100	30 U	344.942	347.200	-2.258	-0.65%	3.31%
	Max	352.553	350.141	6.652	1.92%	12.56%
	Average	346.206	344.016	2.189	0.63%	4.97%
	Min	339.670	337.418	-8.576	-2.52%	0.04%
	Std Dev	3.066	3.413	3.416	0.99%	3.19%



VDD=3.1V 2.58G Fund F2 Line

Test Site		
Tester		
Test Number		
Max Limit	378.1496389	dB
Min Limit	309.8831923	dB

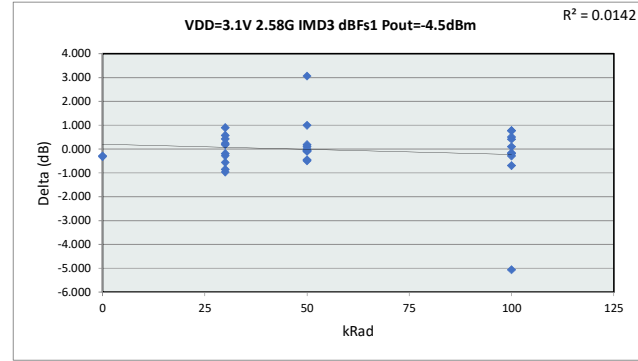
kRad	0	30	50	100
LL	309.883	309.883	309.883	309.883
Min	345.261	337.418	338.048	338.462
Average	345.465	343.170	344.086	344.503
Max	345.670	346.250	349.941	350.141
UL	378.150	378.150	378.150	378.150



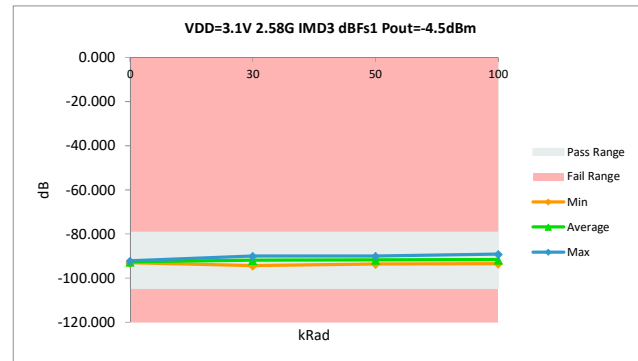
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G IMD3 dBFs1 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-79.00277078	-79.00277078
Min Limit	-104.590747	-104.590747

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-93.394	-93.091	-0.303	0.32%	1.18%
0	C2	-92.431	-92.160	-0.271	0.29%	1.06%
30	1	-89.991	-90.433	0.442	-0.49%	1.73%
30	2	-91.032	-91.623	0.591	-0.65%	2.31%
30	3	-90.228	-89.963	-0.265	0.29%	1.04%
30	4	-94.090	-94.348	0.259	-0.27%	1.01%
30	5	-93.204	-92.654	-0.551	0.59%	2.15%
30	6 U	-93.514	-93.335	-0.179	0.19%	0.70%
30	7 U	-91.118	-91.320	0.202	-0.22%	0.79%
30	8 U	-92.380	-91.431	-0.949	1.03%	3.71%
30	9 U	-91.812	-90.974	-0.838	0.91%	3.27%
30	10 U	-91.268	-92.181	0.913	-1.00%	3.57%
50	11	-92.148	-91.714	-0.434	0.47%	1.70%
50	12	-92.441	-92.553	0.112	-0.12%	0.44%
50	13	-91.153	-92.173	1.019	-1.12%	3.98%
50	14	-90.319	-90.277	-0.041	0.05%	0.16%
50	15	-90.035	-90.233	0.198	-0.22%	0.77%
50	16 U	-91.895	-91.813	-0.082	0.09%	0.32%
50	17 U	-93.184	-93.130	-0.054	0.06%	0.21%
50	18 U	-90.474	-89.996	-0.478	0.53%	1.87%
50	19 U	-92.304	-92.324	0.019	-0.02%	0.08%
50	20 U	-90.510	-93.584	3.074	-3.40%	12.01%
100	21	-95.715	-90.670	-5.045	5.27%	19.72%
100	22	-93.635	-93.460	-0.175	0.19%	0.68%
100	23	-91.330	-91.854	0.524	-0.57%	2.05%
100	24	-92.225	-92.649	0.424	-0.46%	1.66%
100	25	-92.372	-93.152	0.780	-0.84%	3.05%
100	26 U	-93.370	-92.691	-0.679	0.73%	2.65%
100	27 U	-89.729	-90.517	0.788	-0.88%	3.08%
100	28 U	-89.272	-89.125	-0.147	0.17%	0.58%
100	29 U	-91.814	-91.923	0.109	-0.12%	0.43%
100	30 U	-90.417	-90.145	-0.272	0.30%	1.06%
Max		-89.272	-89.125	3.074	5.27%	19.72%
Average		-91.838	-91.797	-0.041	0.03%	2.47%
Min		-95.715	-94.348	-5.045	-3.40%	0.08%
Std Dev		1.468	1.279	1.168	1.25%	3.82%



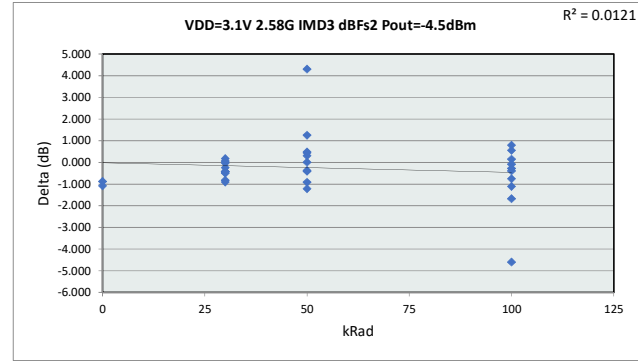
VDD=3.1V 2.58G IMD3 dBFs1				
Test Site				
Tester				
Test Number				
Max Limit	-79.00277078		dB	
Min Limit	-104.590747		dB	
kRad	0	30	50	100
LL	-104.591	-104.591	-104.591	-104.591
Min	-93.091	-94.348	-93.584	-93.460
Average	-92.625	-91.826	-91.780	-91.619
Max	-92.160	-89.963	-89.996	-89.125
UL	-79.003	-79.003	-79.003	-79.003



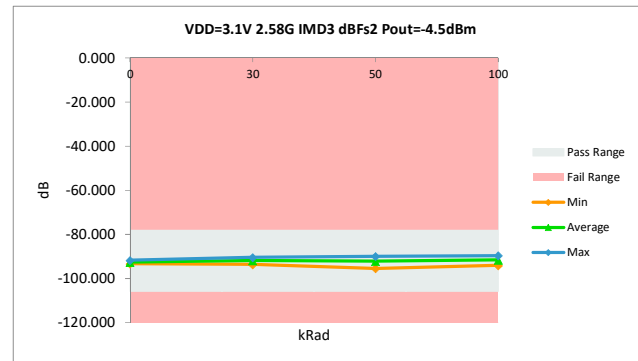
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G IMD3 dBFs2 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-77.89057909	-77.89057909
Min Limit	-105.862858	-105.862858

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-94.160	-93.296	-0.864	0.92%	3.09%
0	C2	-92.754	-91.692	-1.062	1.14%	3.80%
30	1	-90.865	-90.455	-0.410	0.45%	1.46%
30	2	-91.881	-91.461	-0.420	0.46%	1.50%
30	3	-90.569	-90.759	0.190	-0.21%	0.68%
30	4	-94.477	-93.673	-0.805	0.85%	2.88%
30	5	-93.632	-92.746	-0.886	0.95%	3.17%
30	6 U	-93.451	-93.528	0.077	-0.08%	0.27%
30	7 U	-91.628	-91.145	-0.483	0.53%	1.73%
30	8 U	-92.047	-91.647	-0.399	0.43%	1.43%
30	9 U	-91.228	-91.213	-0.015	0.02%	0.05%
30	10 U	-91.455	-91.228	-0.227	0.25%	0.81%
50	11	-91.272	-91.597	0.325	-0.36%	1.16%
50	12	-92.530	-93.033	0.502	-0.54%	1.80%
50	13	-92.053	-92.512	0.459	-0.50%	1.64%
50	14	-90.696	-90.721	0.026	-0.03%	0.09%
50	15	-90.305	-89.946	-0.360	0.40%	1.29%
50	16 U	-92.975	-91.777	-1.199	1.29%	4.28%
50	17 U	-92.583	-93.855	1.272	-1.37%	4.55%
50	18 U	-91.084	-90.688	-0.396	0.44%	1.42%
50	19 U	-92.912	-92.014	-0.897	0.97%	3.21%
50	20 U	-91.082	-95.404	4.322	-4.75%	15.45%
100	21	-95.541	-90.961	-4.580	4.79%	16.37%
100	22	-94.183	-93.091	-1.092	1.16%	3.90%
100	23	-91.193	-91.767	0.574	-0.63%	2.05%
100	24	-93.776	-92.117	-1.659	1.77%	5.93%
100	25	-93.250	-94.061	0.812	-0.87%	2.90%
100	26 U	-93.188	-92.931	-0.257	0.28%	0.92%
100	27 U	-89.739	-89.902	0.163	-0.18%	0.58%
100	28 U	-89.653	-89.591	-0.062	0.07%	0.22%
100	29 U	-91.936	-91.565	-0.371	0.40%	1.33%
100	30 U	-90.414	-89.680	-0.734	0.81%	2.62%
	Max	-89.653	-89.591	4.322	4.79%	16.37%
	Average	-92.141	-91.877	-0.264	0.28%	2.89%
	Min	-95.541	-95.404	-4.580	-4.75%	0.05%
	Std Dev	1.462	1.399	1.295	1.39%	3.70%



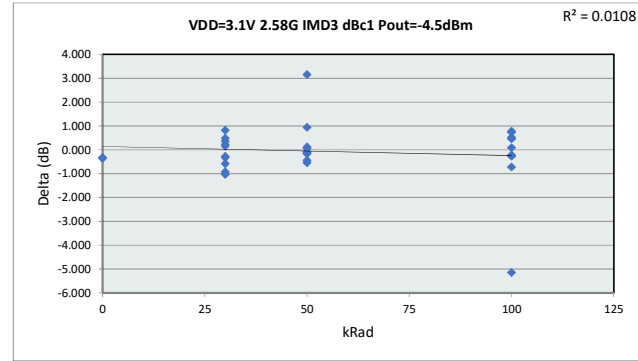
VDD=3.1V 2.58G IMD3 dBFs2				
Test Site				
Tester				
Test Number				
Max Limit	-77.89057909		dB	
Min Limit	-105.862858		dB	
kRad	0	30	50	100
LL	-105.863	-105.863	-105.863	-105.863
Min	-93.296	-93.673	-95.404	-94.061
Average	-92.494	-91.785	-92.155	-91.567
Max	-91.692	-90.455	-89.946	-89.591
UL	-77.891	-77.891	-77.891	-77.891



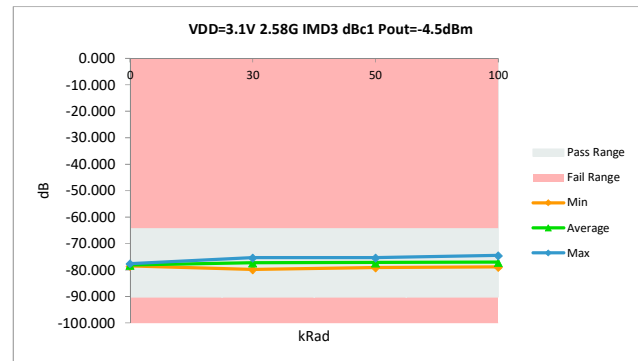
QMLP TID Report
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VDD=3.1V 2.58G IMD3 dBc1 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-64.20723418	-64.20723418
Min Limit	-90.17078086	-90.17078086

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-78.857	-78.503	-0.354	0.45%	1.36%
0	C2	-77.878	-77.573	-0.305	0.39%	1.18%
30	1	-75.380	-75.757	0.377	-0.50%	1.45%
30	2	-76.494	-76.991	0.497	-0.65%	1.92%
30	3	-75.688	-75.376	-0.311	0.41%	1.20%
30	4	-79.516	-79.758	0.242	-0.30%	0.93%
30	5	-78.609	-78.042	-0.567	0.72%	2.18%
30	6 U	-79.027	-78.761	-0.266	0.34%	1.02%
30	7 U	-76.563	-76.731	0.168	-0.22%	0.65%
30	8 U	-77.820	-76.806	-1.014	1.30%	3.91%
30	9 U	-77.195	-76.284	-0.911	1.18%	3.51%
30	10 U	-76.757	-77.597	0.839	-1.09%	3.23%
50	11	-77.602	-77.178	-0.425	0.55%	1.64%
50	12	-77.864	-77.945	0.081	-0.10%	0.31%
50	13	-76.607	-77.568	0.961	-1.25%	3.70%
50	14	-75.689	-75.615	-0.074	0.10%	0.28%
50	15	-75.414	-75.551	0.138	-0.18%	0.53%
50	16 U	-77.360	-77.233	-0.127	0.16%	0.49%
50	17 U	-78.624	-78.469	-0.155	0.20%	0.60%
50	18 U	-75.904	-75.384	-0.520	0.69%	2.00%
50	19 U	-77.802	-77.733	-0.068	0.09%	0.26%
50	20 U	-75.853	-79.028	3.175	-4.19%	12.23%
100	21	-81.143	-76.017	-5.126	6.32%	19.74%
100	22	-79.047	-78.842	-0.205	0.26%	0.79%
100	23	-76.760	-77.301	0.541	-0.70%	2.08%
100	24	-77.640	-78.117	0.477	-0.61%	1.84%
100	25	-77.748	-78.542	0.794	-1.02%	3.06%
100	26 U	-78.801	-78.096	-0.705	0.89%	2.72%
100	27 U	-75.078	-75.836	0.758	-1.01%	2.92%
100	28 U	-74.707	-74.489	-0.218	0.29%	0.84%
100	29 U	-77.247	-77.354	0.107	-0.14%	0.41%
100	30 U	-75.822	-75.571	-0.251	0.33%	0.97%
	Max	-74.707	-74.489	3.175	6.32%	19.74%
	Average	-77.266	-77.189	-0.077	0.08%	2.50%
	Min	-81.143	-79.758	-5.126	-4.19%	0.26%
	Std Dev	1.481	1.298	1.188	1.50%	3.82%



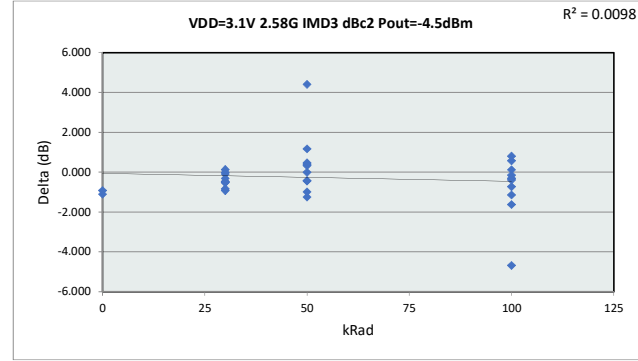
VDD=3.1V 2.58G IMD3 dBc1 Pout=-4.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-64.20723418		dB	
Min Limit	-90.17078086		dB	
kRad	0	30	50	100
LL	-90.171	-90.171	-90.171	-90.171
Min	-78.503	-79.758	-79.028	-78.842
Average	-78.038	-77.210	-77.170	-77.016
Max	-77.573	-75.376	-75.384	-74.489
UL	-64.207	-64.207	-64.207	-64.207



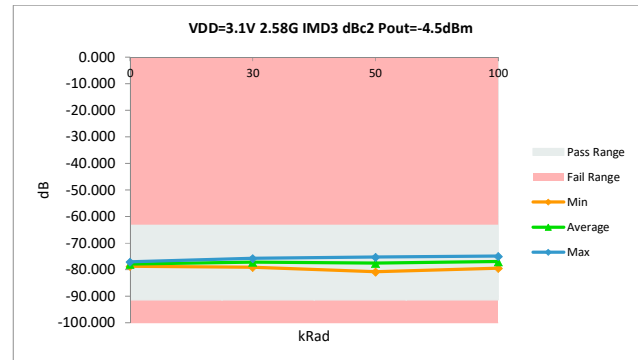
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G IMD3 dBc2 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-63.101915	-63.101915
Min Limit	-91.38269079	-91.38269079

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-79.584	-78.677	-0.907	1.14%	3.21%
0	C2	-78.161	-77.078	-1.082	1.38%	3.83%
30	1	-76.214	-75.745	-0.469	0.62%	1.66%
30	2	-77.307	-76.804	-0.503	0.65%	1.78%
30	3	-75.996	-76.139	0.143	-0.19%	0.51%
30	4	-79.868	-79.052	-0.816	1.02%	2.89%
30	5	-79.000	-78.102	-0.899	1.14%	3.18%
30	6 U	-78.923	-78.922	-0.002	0.00%	0.01%
30	7 U	-77.036	-76.530	-0.506	0.66%	1.79%
30	8 U	-77.448	-76.998	-0.451	0.58%	1.59%
30	9 U	-76.570	-76.494	-0.076	0.10%	0.27%
30	10 U	-76.909	-76.617	-0.292	0.38%	1.03%
50	11	-76.688	-77.037	0.349	-0.45%	1.23%
50	12	-77.913	-78.396	0.483	-0.62%	1.71%
50	13	-77.471	-77.887	0.416	-0.54%	1.47%
50	14	-76.029	-76.039	0.010	-0.01%	0.04%
50	15	-75.648	-75.235	-0.413	0.55%	1.46%
50	16 U	-78.400	-77.173	-1.228	1.57%	4.34%
50	17 U	-77.982	-79.169	1.188	-1.52%	4.20%
50	18 U	-76.471	-76.051	-0.420	0.55%	1.49%
50	19 U	-78.369	-77.401	-0.969	1.24%	3.43%
50	20 U	-76.393	-80.823	4.430	-5.80%	15.67%
100	21	-80.940	-76.277	-4.663	5.76%	16.49%
100	22	-79.569	-78.449	-1.120	1.41%	3.96%
100	23	-76.598	-77.188	0.590	-0.77%	2.09%
100	24	-79.162	-77.559	-1.603	2.02%	5.67%
100	25	-78.601	-79.421	0.820	-1.04%	2.90%
100	26 U	-78.591	-78.309	-0.282	0.36%	1.00%
100	27 U	-75.060	-75.198	0.138	-0.18%	0.49%
100	28 U	-75.059	-74.927	-0.132	0.18%	0.47%
100	29 U	-77.341	-76.971	-0.371	0.48%	1.31%
100	30 U	-75.791	-75.086	-0.705	0.93%	2.49%
	Max	-75.059	-74.927	4.430	5.76%	16.49%
	Average	-77.534	-77.242	-0.292	0.36%	2.93%
	Min	-80.940	-80.823	-4.663	-5.80%	0.01%
	Std Dev	1.475	1.414	1.313	1.67%	3.72%



VDD=3.1V 2.58G IMD3 dBc2 Pout=-4.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-63.101915	dB		
Min Limit	-91.38269079	dB		
kRad	0	30	50	100
LL	-91.383	-91.383	-91.383	-91.383
Min	-78.677	-79.052	-80.823	-79.421
Average	-77.878	-77.140	-77.521	-76.938
Max	-77.078	-75.745	-75.235	-74.927
UL	-63.102	-63.102	-63.102	-63.102

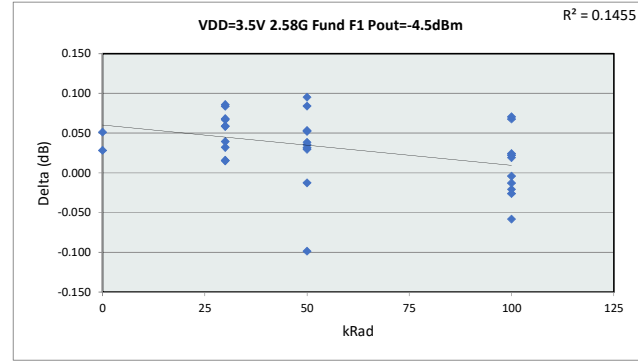


QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G Fund F1 Pout=

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.18840909	-14.18840909
Min Limit	-15.0216487	-15.0216487

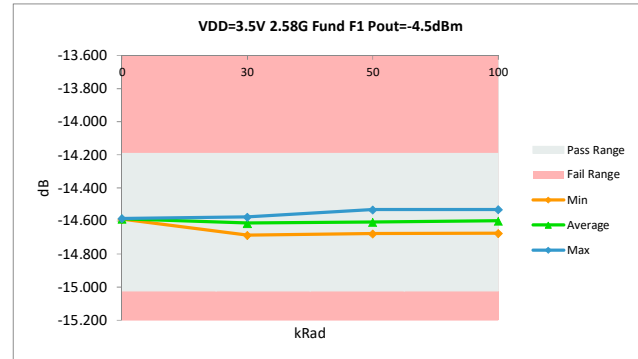
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.537	-14.588	0.052	-0.36%	6.20%
0	C2	-14.555	-14.584	0.029	-0.20%	3.46%
30	1	-14.609	-14.668	0.059	-0.40%	7.10%
30	2	-14.538	-14.624	0.086	-0.59%	10.35%
30	3	-14.544	-14.584	0.040	-0.27%	4.80%
30	4	-14.575	-14.591	0.016	-0.11%	1.88%
30	5	-14.596	-14.612	0.016	-0.11%	1.94%
30	6 U	-14.490	-14.575	0.084	-0.58%	10.12%
30	7 U	-14.556	-14.588	0.033	-0.22%	3.91%
30	8 U	-14.559	-14.619	0.059	-0.41%	7.12%
30	9 U	-14.618	-14.686	0.067	-0.46%	8.09%
30	10 U	-14.510	-14.579	0.069	-0.47%	8.25%
50	11	-14.543	-14.531	-0.012	0.08%	1.44%
50	12	-14.583	-14.613	0.030	-0.21%	3.63%
50	13	-14.549	-14.602	0.053	-0.36%	6.33%
50	14	-14.626	-14.659	0.033	-0.22%	3.90%
50	15	-14.623	-14.677	0.054	-0.37%	6.44%
50	16 U	-14.534	-14.570	0.036	-0.25%	4.33%
50	17 U	-14.561	-14.657	0.096	-0.66%	11.50%
50	18 U	-14.569	-14.608	0.039	-0.27%	4.66%
50	19 U	-14.507	-14.592	0.085	-0.58%	10.14%
50	20 U	-14.656	-14.558	-0.098	0.67%	11.75%
100	21	-14.582	-14.653	0.071	-0.49%	8.52%
100	22	-14.594	-14.617	0.023	-0.16%	2.74%
100	23	-14.570	-14.550	-0.020	0.14%	2.44%
100	24	-14.587	-14.530	-0.058	0.39%	6.91%
100	25	-14.625	-14.613	-0.012	0.08%	1.47%
100	26 U	-14.570	-14.590	0.020	-0.13%	2.36%
100	27 U	-14.649	-14.674	0.025	-0.17%	2.97%
100	28 U	-14.565	-14.633	0.068	-0.47%	8.18%
100	29 U	-14.570	-14.566	-0.004	0.03%	0.44%
100	30 U	-14.597	-14.571	-0.026	0.18%	3.07%
	Max	-14.490	-14.530	0.096	0.67%	11.75%
	Average	-14.573	-14.605	0.032	-0.22%	5.51%
	Min	-14.656	-14.686	-0.098	-0.66%	0.44%
	Std Dev	0.040	0.042	0.043	0.30%	3.21%



VDD=3.5V 2.58G Fund F1 Pout=

Test Site		
Tester		
Test Number		
Max Limit	-14.18840909	dB
Min Limit	-15.0216487	dB

kRad	0	30	50	100
LL	-15.022	-15.022	-15.022	-15.022
Min	-14.588	-14.686	-14.677	-14.674
Average	-14.586	-14.613	-14.607	-14.600
Max	-14.584	-14.575	-14.531	-14.530
UL	-14.188	-14.188	-14.188	-14.188



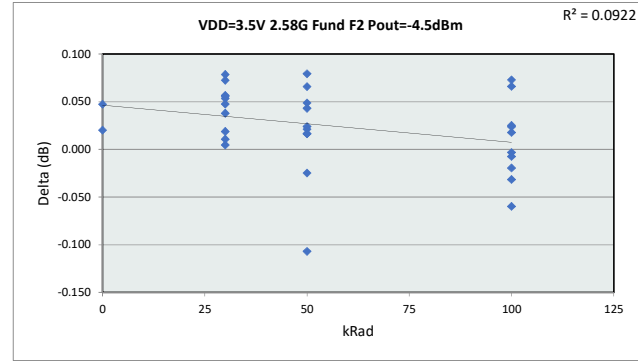
QMLP TID Report

TRF0208 QMLP

VDD=3.5V 2.58G Fund F2 Pout=

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.20695851	-14.20695851
Min Limit	-15.05567153	-15.05567153

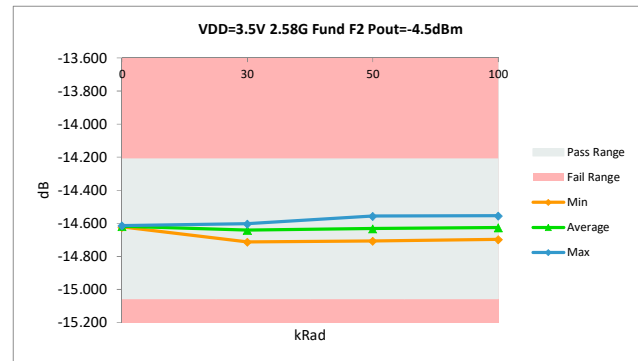
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.574	-14.622	0.048	-0.33%	5.61%
0	C2	-14.593	-14.613	0.020	-0.14%	2.41%
30	1	-14.647	-14.700	0.054	-0.37%	6.34%
30	2	-14.575	-14.654	0.079	-0.54%	9.31%
30	3	-14.579	-14.617	0.038	-0.26%	4.51%
30	4	-14.610	-14.615	0.005	-0.03%	0.60%
30	5	-14.634	-14.645	0.011	-0.08%	1.31%
30	6 U	-14.529	-14.602	0.073	-0.50%	8.58%
30	7 U	-14.595	-14.614	0.019	-0.13%	2.25%
30	8 U	-14.597	-14.645	0.048	-0.33%	5.65%
30	9 U	-14.655	-14.712	0.057	-0.39%	6.71%
30	10 U	-14.547	-14.603	0.056	-0.38%	6.58%
50	11	-14.581	-14.557	-0.024	0.17%	2.86%
50	12	-14.621	-14.638	0.017	-0.12%	1.99%
50	13	-14.583	-14.626	0.044	-0.30%	5.13%
50	14	-14.665	-14.682	0.017	-0.11%	1.96%
50	15	-14.657	-14.706	0.049	-0.34%	5.80%
50	16 U	-14.571	-14.595	0.024	-0.17%	2.88%
50	17 U	-14.603	-14.682	0.080	-0.55%	9.38%
50	18 U	-14.609	-14.631	0.022	-0.15%	2.55%
50	19 U	-14.547	-14.613	0.066	-0.46%	7.81%
50	20 U	-14.687	-14.580	-0.107	0.73%	12.55%
100	21	-14.606	-14.680	0.073	-0.50%	8.63%
100	22	-14.614	-14.640	0.026	-0.17%	3.01%
100	23	-14.595	-14.576	-0.019	0.13%	2.25%
100	24	-14.614	-14.554	-0.059	0.41%	6.99%
100	25	-14.648	-14.641	-0.007	0.05%	0.84%
100	26 U	-14.599	-14.617	0.018	-0.12%	2.14%
100	27 U	-14.673	-14.697	0.024	-0.16%	2.84%
100	28 U	-14.595	-14.661	0.067	-0.46%	7.84%
100	29 U	-14.595	-14.592	-0.003	0.02%	0.34%
100	30 U	-14.621	-14.590	-0.031	0.21%	3.67%
	Max	-14.529	-14.554	0.080	0.73%	12.55%
	Average	-14.607	-14.631	0.024	-0.17%	4.73%
	Min	-14.687	-14.712	-0.107	-0.55%	0.34%
	Std Dev	0.037	0.042	0.042	0.28%	3.07%



VDD=3.5V 2.58G Fund F2 Pout=

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.20695851	-14.20695851
Min Limit	-15.05567153	-15.05567153

	kRad	0	30	50	100
LL		-15.056	-15.056	-15.056	-15.056
Min		-14.622	-14.712	-14.706	-14.697
Average		-14.618	-14.641	-14.631	-14.625
Max		-14.613	-14.602	-14.557	-14.554
UL		-14.207	-14.207	-14.207	-14.207



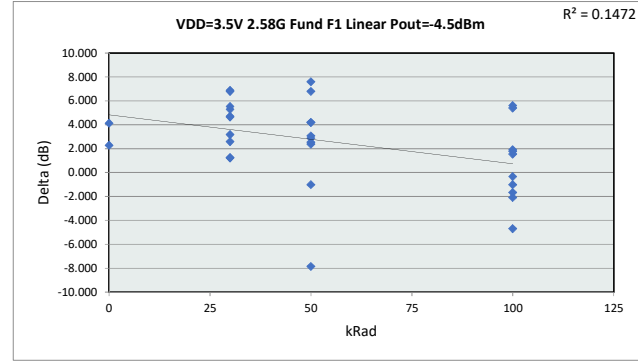
QMLP TID Report

TRF0208 QMLP

VDD=3.5V 2.58G Fund F1 Linea

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	379.5350653	379.5350653
Min Limit	313.1669535	313.1669535

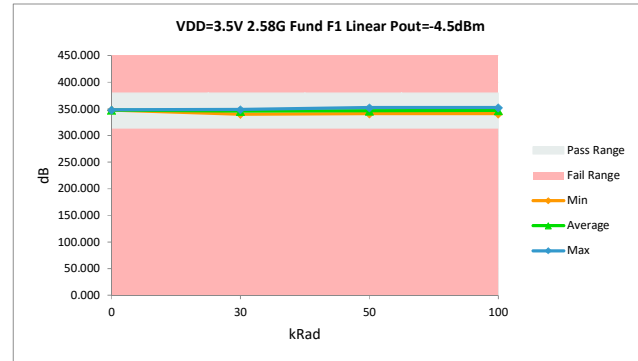
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	351.829	347.670	4.160	1.18%	6.27%
0	C2	350.329	348.008	2.321	0.66%	3.50%
30	1	346.008	341.327	4.681	1.35%	7.05%
30	2	351.705	344.788	6.917	1.97%	10.42%
30	3	351.209	347.991	3.218	0.92%	4.85%
30	4	348.699	347.443	1.256	0.36%	1.89%
30	5	347.029	345.741	1.288	0.37%	1.94%
30	6 U	355.615	348.779	6.837	1.92%	10.30%
30	7 U	350.279	347.662	2.617	0.75%	3.94%
30	8 U	349.998	345.249	4.749	1.36%	7.16%
30	9 U	345.294	339.975	5.319	1.54%	8.01%
30	10 U	353.965	348.408	5.557	1.57%	8.37%
50	11	351.288	352.256	-0.969	-0.28%	1.46%
50	12	348.102	345.686	2.416	0.69%	3.64%
50	13	350.806	346.569	4.237	1.21%	6.38%
50	14	344.646	342.076	2.570	0.75%	3.87%
50	15	344.887	340.651	4.236	1.23%	6.38%
50	16 U	352.071	349.157	2.914	0.83%	4.39%
50	17 U	349.875	342.239	7.637	2.18%	11.51%
50	18 U	349.240	346.131	3.110	0.89%	4.69%
50	19 U	354.215	347.389	6.826	1.93%	10.29%
50	20 U	342.329	350.137	-7.807	-2.28%	11.76%
100	21	348.206	342.557	5.649	1.62%	8.51%
100	22	347.235	345.417	1.818	0.52%	2.74%
100	23	349.145	350.781	-1.636	-0.47%	2.46%
100	24	347.738	352.382	-4.644	-1.34%	7.00%
100	25	344.745	345.717	-0.973	-0.28%	1.47%
100	26 U	349.124	347.547	1.578	0.45%	2.38%
100	27 U	342.829	340.882	1.947	0.57%	2.93%
100	28 U	349.560	344.120	5.441	1.56%	8.20%
100	29 U	349.165	349.460	-0.295	-0.08%	0.44%
100	30 U	346.991	349.038	-2.047	-0.59%	3.08%
Max		355.615	352.382	7.637	2.18%	11.76%
Average		348.880	346.351	2.529	0.72%	5.54%
Min		342.329	339.975	-7.807	-2.28%	0.44%
Std Dev		3.174	3.318	3.457	0.99%	3.23%



VDD=3.5V 2.58G Fund F1 Line

Test Site		
Tester		
Test Number		
Max Limit	379.5350653	dB
Min Limit	313.1669535	dB

kRad	0	30	50	100
LL	313.167	313.167	313.167	313.167
Min	347.670	339.975	340.651	340.882
Average	347.839	345.736	346.229	346.790
Max	348.008	348.779	352.256	352.382
UL	379.535	379.535	379.535	379.535

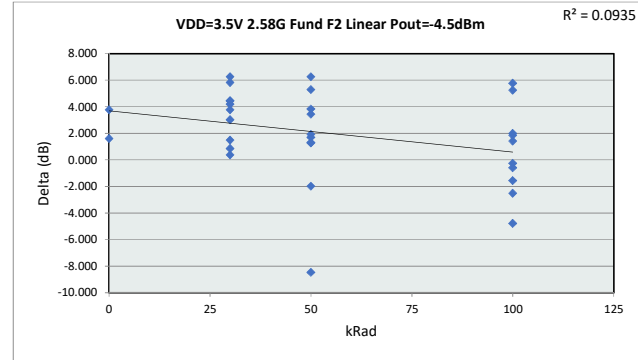


QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G Fund F2 Linea

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	377.8625865	377.8625865
Min Limit	310.6605935	310.6605935

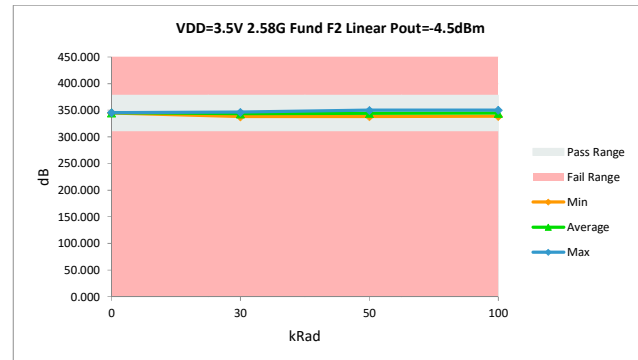
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	348.781	344.976	3.805	1.09%	5.66%
0	C2	347.296	345.662	1.634	0.47%	2.43%
30	1	343.036	338.815	4.221	1.23%	6.28%
30	2	348.707	342.422	6.285	1.80%	9.35%
30	3	348.426	345.368	3.058	0.88%	4.55%
30	4	345.950	345.543	0.407	0.12%	0.61%
30	5	344.059	343.177	0.882	0.26%	1.31%
30	6 U	352.433	346.573	5.860	1.66%	8.72%
30	7 U	347.138	345.616	1.522	0.44%	2.26%
30	8 U	346.955	343.146	3.809	1.10%	5.67%
30	9 U	342.408	337.945	4.463	1.30%	6.64%
30	10 U	351.015	346.531	4.484	1.28%	6.67%
50	11	348.269	350.223	-1.954	-0.56%	2.91%
50	12	345.052	343.714	1.337	0.39%	1.99%
50	13	348.117	344.642	3.475	1.00%	5.17%
50	14	341.557	340.250	1.306	0.38%	1.94%
50	15	342.214	338.357	3.856	1.13%	5.74%
50	16 U	349.058	347.099	1.959	0.56%	2.92%
50	17 U	346.509	340.212	6.296	1.82%	9.37%
50	18 U	345.995	344.278	1.717	0.50%	2.56%
50	19 U	350.982	345.663	5.319	1.52%	7.92%
50	20 U	339.896	348.336	-8.441	-2.48%	12.56%
100	21	346.238	340.447	5.792	1.67%	8.62%
100	22	345.595	343.569	2.026	0.59%	3.01%
100	23	347.115	348.648	-1.533	-0.44%	2.28%
100	24	345.656	350.411	-4.755	-1.38%	7.08%
100	25	342.931	343.495	-0.564	-0.16%	0.84%
100	26 U	346.835	345.389	1.446	0.42%	2.15%
100	27 U	340.951	339.066	1.885	0.55%	2.81%
100	28 U	347.162	341.885	5.277	1.52%	7.85%
100	29 U	347.174	347.406	-0.232	-0.07%	0.35%
100	30 U	345.026	347.507	-2.481	-0.72%	3.69%
	Max	352.433	350.411	6.296	1.82%	12.56%
	Average	346.204	344.262	1.943	0.56%	4.75%
	Min	339.896	337.945	-8.441	-2.48%	0.35%
	Std Dev	2.966	3.360	3.302	0.96%	3.08%



VDD=3.5V 2.58G Fund F2 Line

Test Site		
Tester		
Test Number		
Max Limit	377.8625865	dB
Min Limit	310.6605935	dB

kRad	0	30	50	100
LL	310.661	310.661	310.661	310.661
Min	344.976	337.945	338.357	339.066
Average	345.319	343.514	344.278	344.782
Max	345.662	346.573	350.223	350.411
UL	377.863	377.863	377.863	377.863

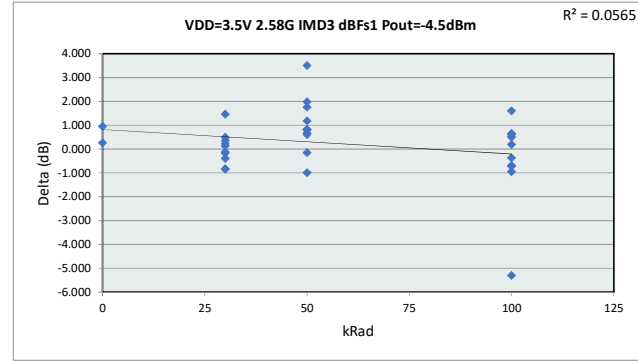


QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G IMD3 dBFs1 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-76.57205214	-76.57205214
Min Limit	-111.0522021	-111.0522021

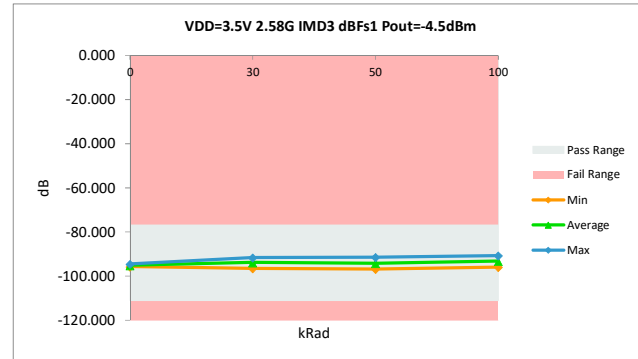
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-95.443	-95.717	0.275	-0.29%	0.80%
0	C2	-93.559	-94.528	0.968	-1.04%	2.81%
30	1	-91.299	-91.673	0.374	-0.41%	1.08%
30	2	-92.956	-93.195	0.239	-0.26%	0.69%
30	3	-92.561	-92.704	0.143	-0.15%	0.42%
30	4	-95.983	-95.832	-0.151	0.16%	0.44%
30	5	-95.015	-96.488	1.474	-1.55%	4.27%
30	6 U	-96.172	-96.069	-0.103	0.11%	0.30%
30	7 U	-93.091	-92.709	-0.381	0.41%	1.11%
30	8 U	-94.329	-93.512	-0.817	0.87%	2.37%
30	9 U	-92.953	-93.465	0.511	-0.55%	1.48%
30	10 U	-93.285	-92.468	-0.817	0.88%	2.37%
50	11	-92.205	-94.203	1.998	-2.17%	5.79%
50	12	-95.031	-96.225	1.194	-1.26%	3.46%
50	13	-93.294	-93.912	0.618	-0.66%	1.79%
50	14	-92.228	-92.917	0.690	-0.75%	2.00%
50	15	-91.010	-92.782	1.772	-1.95%	5.14%
50	16 U	-93.238	-93.103	-0.136	0.15%	0.39%
50	17 U	-95.288	-96.127	0.839	-0.88%	2.43%
50	18 U	-92.360	-91.389	-0.971	1.05%	2.82%
50	19 U	-93.210	-94.037	0.826	-0.89%	2.40%
50	20 U	-93.281	-96.801	3.519	-3.77%	10.21%
100	21	-98.576	-93.287	-5.290	5.37%	15.34%
100	22	-94.316	-95.938	1.622	-1.72%	4.70%
100	23	-92.546	-93.170	0.624	-0.67%	1.81%
100	24	-94.494	-95.009	0.514	-0.54%	1.49%
100	25	-94.143	-94.813	0.670	-0.71%	1.94%
100	26 U	-94.997	-94.318	-0.679	0.71%	1.97%
100	27 U	-90.932	-91.138	0.206	-0.23%	0.60%
100	28 U	-91.020	-90.667	-0.353	0.39%	1.02%
100	29 U	-93.664	-92.732	-0.932	0.99%	2.70%
100	30 U	-91.769	-91.060	-0.710	0.77%	2.06%
	Max	-90.932	-90.667	3.519	5.37%	15.34%
	Average	-93.570	-93.812	0.242	-0.27%	2.76%
	Min	-98.576	-96.801	-5.290	-3.77%	0.30%
	Std Dev	1.702	1.724	1.405	1.47%	3.04%



VDD=3.5V 2.58G IMD3 dBFs1

Test Site			
Tester			
Test Number			
Max Limit	-76.57205214	dB	
Min Limit	-111.0522021	dB	

kRad	0	30	50	100
LL	-111.052	-111.052	-111.052	-111.052
Min	-95.717	-96.488	-96.801	-95.938
Average	-95.123	-93.812	-94.150	-93.213
Max	-94.528	-91.673	-91.389	-90.667
UL	-76.572	-76.572	-76.572	-76.572

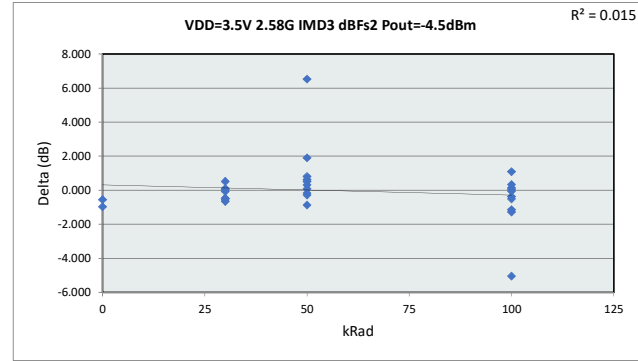


QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G IMD3 dBFs2 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-75.9145873	-75.9145873
Min Limit	-111.5059373	-111.5059373

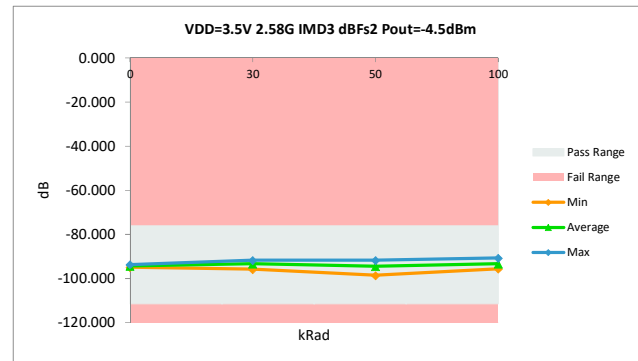
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-95.859	-94.912	-0.947	0.99%	2.66%
0	C2	-94.194	-93.667	-0.527	0.56%	1.48%
30	1	-91.658	-91.727	0.069	-0.08%	0.19%
30	2	-92.868	-92.246	-0.622	0.67%	1.75%
30	3	-92.187	-92.306	0.119	-0.13%	0.33%
30	4	-96.260	-95.807	-0.453	0.47%	1.27%
30	5	-95.001	-95.545	0.544	-0.57%	1.53%
30	6 U	-95.259	-95.216	-0.043	0.04%	0.12%
30	7 U	-92.476	-92.022	-0.454	0.49%	1.27%
30	8 U	-93.164	-92.689	-0.475	0.51%	1.33%
30	9 U	-92.944	-92.325	-0.619	0.67%	1.74%
30	10 U	-93.597	-93.127	-0.470	0.50%	1.32%
50	11	-93.688	-93.424	-0.264	0.28%	0.74%
50	12	-95.425	-94.578	-0.847	0.89%	2.38%
50	13	-93.784	-94.620	0.835	-0.89%	2.35%
50	14	-92.673	-92.524	-0.149	0.16%	0.42%
50	15	-91.057	-91.707	0.650	-0.71%	1.83%
50	16 U	-93.885	-94.224	0.339	-0.36%	0.95%
50	17 U	-94.408	-96.336	1.928	-2.04%	5.42%
50	18 U	-92.434	-92.975	0.541	-0.59%	1.52%
50	19 U	-95.002	-95.109	0.107	-0.11%	0.30%
50	20 U	-92.033	-98.587	6.554	-7.12%	18.41%
100	21	-97.737	-92.723	-5.014	5.13%	14.09%
100	22	-95.644	-95.607	-0.037	0.04%	0.10%
100	23	-92.562	-92.925	0.364	-0.39%	1.02%
100	24	-95.311	-94.957	-0.355	0.37%	1.00%
100	25	-94.288	-95.400	1.113	-1.18%	3.13%
100	26 U	-95.837	-94.714	-1.122	1.17%	3.15%
100	27 U	-91.325	-91.492	0.167	-0.18%	0.47%
100	28 U	-91.160	-90.671	-0.488	0.54%	1.37%
100	29 U	-93.449	-93.537	0.088	-0.09%	0.25%
100	30 U	-92.281	-91.030	-1.251	1.36%	3.52%
Max		-91.057	-90.671	6.554	5.13%	18.41%
Average		-93.733	-93.710	-0.023	0.01%	2.42%
Min		-97.737	-98.587	-5.014	-7.12%	0.10%
Std Dev		1.663	1.780	1.625	1.73%	3.85%



VDD=3.5V 2.58G IMD3 dBFs2

Test Site		
Tester		
Test Number		
Max Limit	-75.9145873	dB
Min Limit	-111.5059373	dB

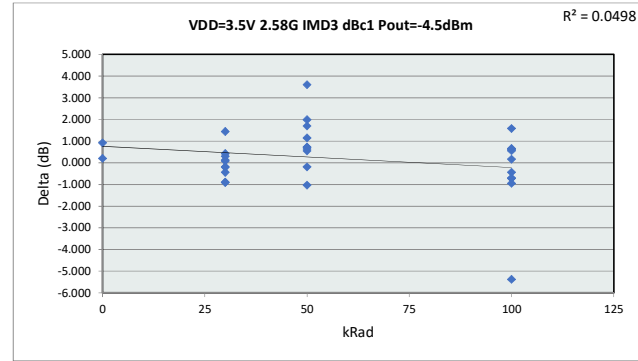
kRad	0	30	50	100
LL	-111.506	-111.506	-111.506	-111.506
Min	-94.912	-95.807	-98.587	-95.607
Average	-94.289	-93.301	-94.408	-93.306
Max	-93.667	-91.727	-91.707	-90.671
UL	-75.915	-75.915	-75.915	-75.915



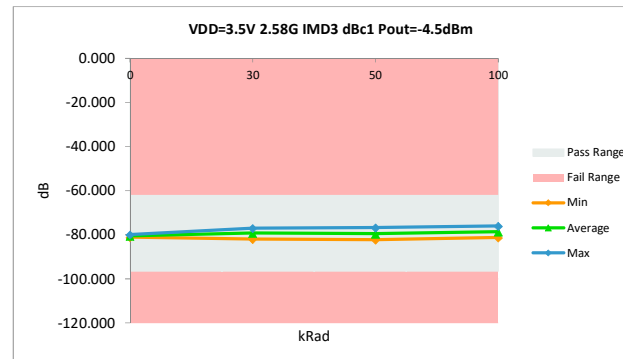
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G IMD3 dBc1 Po		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-61.85821332	-61.85821332
Min Limit	-96.5559846	-96.5559846

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-80.906	-81.129	0.223	-0.28%	0.64%
0	C2	-79.004	-79.944	0.940	-1.19%	2.71%
30	1	-76.690	-77.005	0.315	-0.41%	0.91%
30	2	-78.418	-78.571	0.153	-0.20%	0.44%
30	3	-78.017	-78.120	0.103	-0.13%	0.30%
30	4	-81.407	-81.241	-0.166	0.20%	0.48%
30	5	-80.418	-81.876	1.458	-1.81%	4.20%
30	6 U	-81.682	-81.495	-0.187	0.23%	0.54%
30	7 U	-78.535	-78.121	-0.414	0.53%	1.19%
30	8 U	-79.770	-78.893	-0.877	1.10%	2.53%
30	9 U	-78.335	-78.779	0.444	-0.57%	1.28%
30	10 U	-78.775	-77.889	-0.886	1.12%	2.55%
50	11	-77.662	-79.672	2.010	-2.59%	5.79%
50	12	-80.448	-81.612	1.164	-1.45%	3.35%
50	13	-78.744	-79.310	0.566	-0.72%	1.63%
50	14	-77.601	-78.259	0.657	-0.85%	1.89%
50	15	-76.387	-78.106	1.719	-2.25%	4.95%
50	16 U	-78.705	-78.533	-0.172	0.22%	0.50%
50	17 U	-80.727	-81.470	0.743	-0.92%	2.14%
50	18 U	-77.791	-76.782	-1.010	1.30%	2.91%
50	19 U	-78.703	-79.445	0.742	-0.94%	2.14%
50	20 U	-78.626	-82.243	3.617	-4.60%	10.43%
100	21	-83.995	-78.634	-5.361	6.38%	15.45%
100	22	-79.723	-81.321	1.599	-2.01%	4.61%
100	23	-77.976	-78.620	0.644	-0.83%	1.86%
100	24	-79.907	-80.479	0.572	-0.72%	1.65%
100	25	-79.518	-80.201	0.683	-0.86%	1.97%
100	26 U	-80.427	-79.728	-0.699	0.87%	2.01%
100	27 U	-76.283	-76.464	0.182	-0.24%	0.52%
100	28 U	-76.455	-76.034	-0.421	0.55%	1.21%
100	29 U	-79.094	-78.166	-0.928	1.17%	2.68%
100	30 U	-77.172	-76.488	-0.684	0.89%	1.97%
	Max	-76.283	-76.034	3.617	6.38%	15.45%
	Average	-78.997	-79.207	0.210	-0.28%	2.73%
	Min	-83.995	-82.243	-5.361	-4.60%	0.30%
	Std Dev	1.713	1.735	1.421	1.75%	3.07%



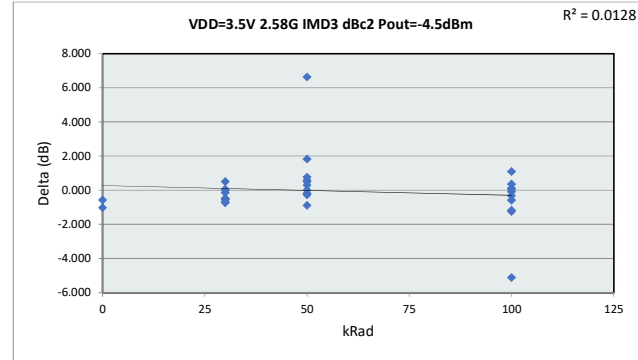
VDD=3.5V 2.58G IMD3 dBc1 P				
Test Site				
Tester				
Test Number				
Max Limit	-61.85821332		dB	
Min Limit	-96.5559846		dB	
kRad	0	30	50	100
LL	-96.556	-96.556	-96.556	-96.556
Min	-81.129	-81.876	-82.243	-81.321
Average	-80.536	-79.199	-79.543	-78.614
Max	-79.944	-77.005	-76.782	-76.034
UL	-61.858	-61.858	-61.858	-61.858



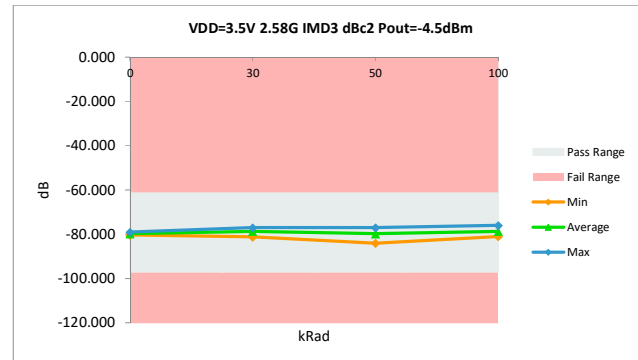
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G IMD3 dBc2 Po		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-61.12598863	-61.12598863
Min Limit	-97.03187881	-97.03187881

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-81.284	-80.290	-0.994	1.22%	2.77%
0	C2	-79.601	-79.054	-0.548	0.69%	1.53%
30	1	-77.011	-77.026	0.015	-0.02%	0.04%
30	2	-78.293	-77.592	-0.701	0.90%	1.95%
30	3	-77.608	-77.689	0.081	-0.10%	0.23%
30	4	-81.650	-81.192	-0.458	0.56%	1.28%
30	5	-80.368	-80.901	0.533	-0.66%	1.48%
30	6 U	-80.729	-80.614	-0.115	0.14%	0.32%
30	7 U	-77.881	-77.408	-0.473	0.61%	1.32%
30	8 U	-78.567	-78.044	-0.523	0.67%	1.46%
30	9 U	-78.290	-77.613	-0.676	0.86%	1.88%
30	10 U	-79.050	-78.525	-0.526	0.67%	1.46%
50	11	-79.108	-78.868	-0.240	0.30%	0.67%
50	12	-80.804	-79.940	-0.864	1.07%	2.41%
50	13	-79.202	-79.993	0.792	-1.00%	2.21%
50	14	-78.008	-77.842	-0.166	0.21%	0.46%
50	15	-76.400	-77.001	0.601	-0.79%	1.67%
50	16 U	-79.314	-79.628	0.314	-0.40%	0.87%
50	17 U	-79.805	-81.653	1.849	-2.32%	5.15%
50	18 U	-77.825	-78.344	0.519	-0.67%	1.45%
50	19 U	-80.455	-80.495	0.040	-0.05%	0.11%
50	20 U	-77.346	-84.007	6.660	-8.61%	18.55%
100	21	-83.131	-78.043	-5.088	6.12%	14.17%
100	22	-81.029	-80.967	-0.062	0.08%	0.17%
100	23	-77.966	-78.349	0.383	-0.49%	1.07%
100	24	-80.698	-80.403	-0.295	0.37%	0.82%
100	25	-79.640	-80.760	1.120	-1.41%	3.12%
100	26 U	-81.238	-80.097	-1.141	1.40%	3.18%
100	27 U	-76.652	-76.795	0.143	-0.19%	0.40%
100	28 U	-76.565	-76.010	-0.555	0.72%	1.55%
100	29 U	-78.854	-78.945	0.091	-0.12%	0.25%
100	30 U	-77.659	-76.439	-1.220	1.57%	3.40%
	Max	-76.400	-76.010	6.660	6.12%	18.55%
	Average	-79.126	-79.079	-0.047	0.04%	2.42%
	Min	-83.131	-84.007	-5.088	-8.61%	0.04%
	Std Dev	1.677	1.795	1.645	2.07%	3.87%



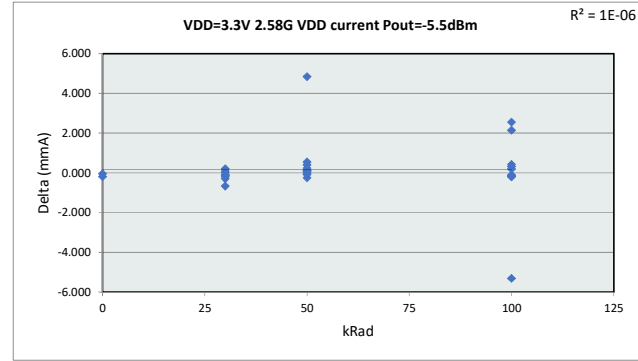
VDD=3.5V 2.58G IMD3 dBc2 P				
Test Site				
Tester				
Test Number				
Max Limit	-61.12598863		dB	
Min Limit	-97.03187881		dB	
kRad	0	30	50	100
LL	-97.032	-97.032	-97.032	-97.032
Min	-80.290	-81.192	-84.007	-80.967
Average	-79.672	-78.660	-79.777	-78.681
Max	-79.054	-77.026	-77.001	-76.010
UL	-61.126	-61.126	-61.126	-61.126



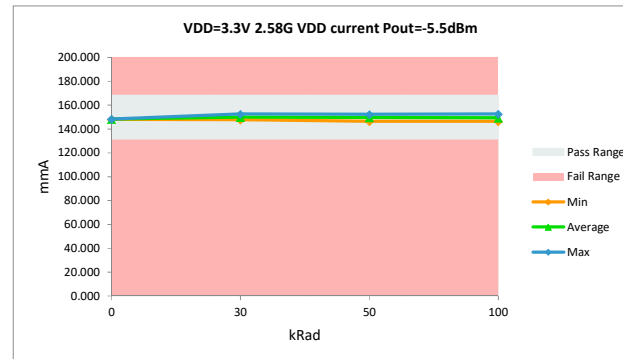
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G VDD current P		
Test Site		
Tester		
Test Number		
Unit	mmA	mmA
Max Limit	168.2442165	168.2442165
Min Limit	131.0497002	131.0497002

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	148.319	148.491	-0.172	-0.12%	0.46%
0	C2	148.047	148.074	-0.027	-0.02%	0.07%
30	1	149.786	149.871	-0.085	-0.06%	0.23%
30	2	149.603	149.693	-0.090	-0.06%	0.24%
30	3	152.388	152.668	-0.280	-0.18%	0.75%
30	4	147.625	147.805	-0.180	-0.12%	0.48%
30	5	152.057	151.952	0.105	0.07%	0.28%
30	6 U	148.758	148.901	-0.143	-0.10%	0.39%
30	7 U	149.939	149.719	0.220	0.15%	0.59%
30	8 U	148.239	148.880	-0.641	-0.43%	1.72%
30	9 U	151.280	151.357	-0.077	-0.05%	0.21%
30	10 U	149.899	149.858	0.041	0.03%	0.11%
50	11	149.030	148.453	0.577	0.39%	1.55%
50	12	152.365	151.935	0.430	0.28%	1.16%
50	13	148.859	148.740	0.119	0.08%	0.32%
50	14	150.319	150.171	0.147	0.10%	0.40%
50	15	152.386	152.266	0.119	0.08%	0.32%
50	16 U	146.246	146.477	-0.231	-0.16%	0.62%
50	17 U	150.230	150.284	-0.054	-0.04%	0.15%
50	18 U	151.599	151.343	0.256	0.17%	0.69%
50	19 U	149.792	149.768	0.024	0.02%	0.06%
50	20 U	152.623	147.760	4.863	3.19%	13.08%
100	21	147.202	152.492	-5.290	-3.59%	14.22%
100	22	148.406	148.066	0.340	0.23%	0.91%
100	23	148.731	148.280	0.451	0.30%	1.21%
100	24	149.121	146.550	2.571	1.72%	6.91%
100	25	150.282	148.114	2.168	1.44%	5.83%
100	26 U	146.982	147.076	-0.093	-0.06%	0.25%
100	27 U	152.722	152.504	0.219	0.14%	0.59%
100	28 U	152.378	152.556	-0.178	-0.12%	0.48%
100	29 U	148.195	148.301	-0.106	-0.07%	0.29%
100	30 U	150.140	150.299	-0.159	-0.11%	0.43%
	Max	152.722	152.668	4.863	3.19%	14.22%
	Average	149.798	149.647	0.151	0.10%	1.72%
	Min	146.246	146.477	-5.290	-3.59%	0.06%
	Std Dev	1.822	1.860	1.437	0.96%	3.47%



VDD=3.3V 2.58G VDD current P				
Test Site				
Tester				
Test Number				
Max Limit	168.2442165	mmA		
Min Limit	131.0497002	mmA		
kRad	0	30	50	100
LL	131.050	131.050	131.050	131.050
Min	148.074	147.805	146.477	146.550
Average	148.282	150.070	149.720	149.424
Max	148.491	152.668	152.266	152.556
UL	168.244	168.244	168.244	168.244

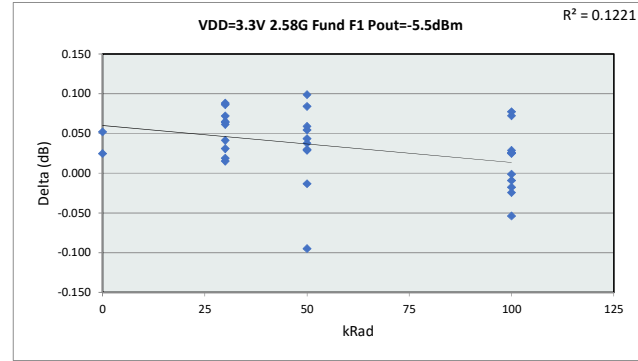


QMLP TID Report

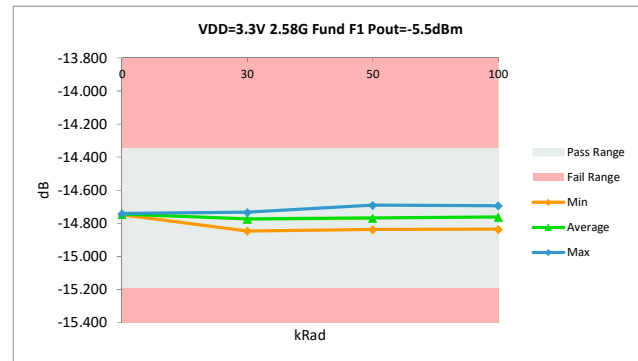
TRF0208 QMLP

VDD=3.3V 2.58G Fund F1 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.34539739	-14.34539739
Min Limit	-15.18648895	-15.18648895

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.695	-14.748	0.052	-0.36%	6.23%
0	C2	-14.714	-14.740	0.025	-0.17%	2.98%
30	1	-14.772	-14.833	0.062	-0.42%	7.35%
30	2	-14.700	-14.788	0.089	-0.60%	10.54%
30	3	-14.703	-14.745	0.042	-0.29%	4.98%
30	4	-14.734	-14.750	0.016	-0.11%	1.88%
30	5	-14.755	-14.775	0.019	-0.13%	2.29%
30	6 U	-14.646	-14.733	0.087	-0.59%	10.32%
30	7 U	-14.715	-14.746	0.031	-0.21%	3.74%
30	8 U	-14.717	-14.781	0.065	-0.44%	7.69%
30	9 U	-14.774	-14.846	0.073	-0.49%	8.63%
30	10 U	-14.673	-14.739	0.065	-0.45%	7.77%
50	11	-14.703	-14.690	-0.013	0.09%	1.53%
50	12	-14.741	-14.771	0.030	-0.21%	3.61%
50	13	-14.708	-14.763	0.055	-0.37%	6.53%
50	14	-14.791	-14.820	0.029	-0.20%	3.47%
50	15	-14.778	-14.838	0.060	-0.40%	7.08%
50	16 U	-14.691	-14.735	0.044	-0.30%	5.24%
50	17 U	-14.721	-14.820	0.099	-0.67%	11.81%
50	18 U	-14.731	-14.769	0.038	-0.26%	4.53%
50	19 U	-14.668	-14.753	0.085	-0.58%	10.06%
50	20 U	-14.814	-14.719	-0.095	0.64%	11.24%
100	21	-14.735	-14.813	0.078	-0.53%	9.26%
100	22	-14.750	-14.776	0.026	-0.18%	3.13%
100	23	-14.728	-14.711	-0.017	0.12%	2.03%
100	24	-14.746	-14.693	-0.053	0.36%	6.36%
100	25	-14.782	-14.774	-0.009	0.06%	1.02%
100	26 U	-14.728	-14.753	0.025	-0.17%	3.02%
100	27 U	-14.805	-14.835	0.029	-0.20%	3.49%
100	28 U	-14.722	-14.795	0.073	-0.49%	8.65%
100	29 U	-14.728	-14.727	-0.001	0.00%	0.08%
100	30 U	-14.755	-14.731	-0.024	0.16%	2.84%
	Max	-14.646	-14.690	0.099	0.64%	11.81%
	Average	-14.732	-14.766	0.034	-0.23%	5.61%
	Min	-14.814	-14.846	-0.095	-0.67%	0.08%
	Std Dev	0.039	0.042	0.043	0.29%	3.29%



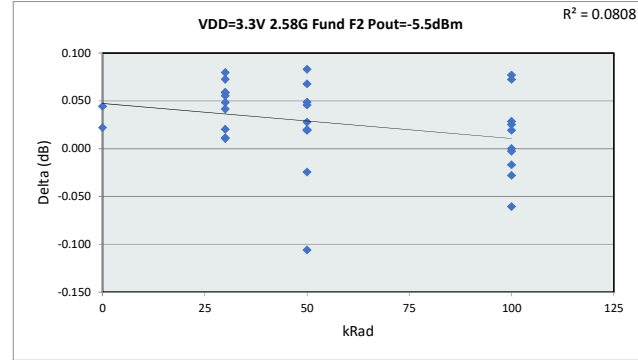
VDD=3.3V 2.58G Fund F1 Pout=-				
Test Site				
Tester				
Test Number				
Max Limit	-14.34539739	dB		
Min Limit	-15.18648895	dB		
kRad	0	30	50	100
LL	-15.186	-15.186	-15.186	-15.186
Min	-14.748	-14.846	-14.838	-14.835
Average	-14.744	-14.774	-14.768	-14.761
Max	-14.740	-14.733	-14.690	-14.693
UL	-14.345	-14.345	-14.345	-14.345



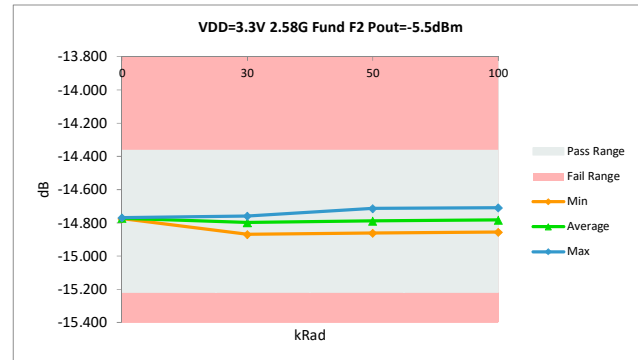
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G Fund F2 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.359442	-14.359442
Min Limit	-15.21762854	-15.21762854

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.731	-14.775	0.045	-0.30%	5.20%
0	C2	-14.747	-14.769	0.022	-0.15%	2.61%
30	1	-14.801	-14.860	0.059	-0.40%	6.88%
30	2	-14.731	-14.811	0.080	-0.54%	9.34%
30	3	-14.732	-14.774	0.042	-0.28%	4.89%
30	4	-14.764	-14.776	0.012	-0.08%	1.37%
30	5	-14.788	-14.799	0.011	-0.08%	1.30%
30	6 U	-14.686	-14.759	0.073	-0.50%	8.52%
30	7 U	-14.750	-14.770	0.021	-0.14%	2.41%
30	8 U	-14.753	-14.802	0.049	-0.33%	5.68%
30	9 U	-14.811	-14.870	0.059	-0.40%	6.93%
30	10 U	-14.703	-14.758	0.056	-0.38%	6.50%
50	11	-14.738	-14.714	-0.024	0.16%	2.80%
50	12	-14.775	-14.795	0.020	-0.13%	2.30%
50	13	-14.736	-14.782	0.046	-0.31%	5.38%
50	14	-14.819	-14.840	0.020	-0.14%	2.36%
50	15	-14.813	-14.862	0.049	-0.33%	5.73%
50	16 U	-14.727	-14.755	0.028	-0.19%	3.29%
50	17 U	-14.758	-14.841	0.083	-0.57%	9.72%
50	18 U	-14.769	-14.789	0.020	-0.14%	2.33%
50	19 U	-14.702	-14.770	0.068	-0.46%	7.96%
50	20 U	-14.841	-14.736	-0.105	0.71%	12.28%
100	21	-14.760	-14.838	0.077	-0.52%	9.03%
100	22	-14.769	-14.798	0.029	-0.20%	3.39%
100	23	-14.750	-14.733	-0.017	0.11%	1.93%
100	24	-14.769	-14.709	-0.060	0.41%	6.99%
100	25	-14.803	-14.801	-0.002	0.02%	0.26%
100	26 U	-14.754	-14.774	0.020	-0.13%	2.29%
100	27 U	-14.830	-14.856	0.026	-0.17%	3.00%
100	28 U	-14.746	-14.819	0.073	-0.49%	8.50%
100	29 U	-14.749	-14.750	0.001	0.00%	0.07%
100	30 U	-14.777	-14.749	-0.028	0.19%	3.22%
	Max	-14.686	-14.709	0.083	0.71%	12.28%
	Average	-14.762	-14.789	0.027	-0.18%	4.83%
	Min	-14.841	-14.870	-0.105	-0.57%	0.07%
	Std Dev	0.037	0.043	0.042	0.28%	3.11%



VDD=3.3V 2.58G Fund F2 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-14.359442		dB	
Min Limit	-15.21762854		dB	
kRad	0	30	50	100
LL	-15.218	-15.218	-15.218	-15.218
Min	-14.775	-14.870	-14.862	-14.856
Average	-14.772	-14.798	-14.788	-14.783
Max	-14.769	-14.758	-14.714	-14.709
UL	-14.359	-14.359	-14.359	-14.359

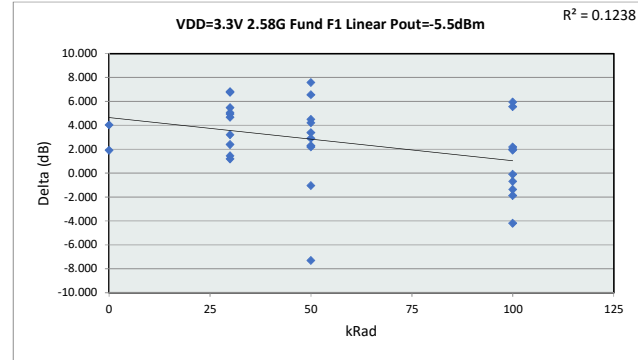


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G Fund F1 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	366.0274565	366.0274565
Min Limit	301.4788664	301.4788664

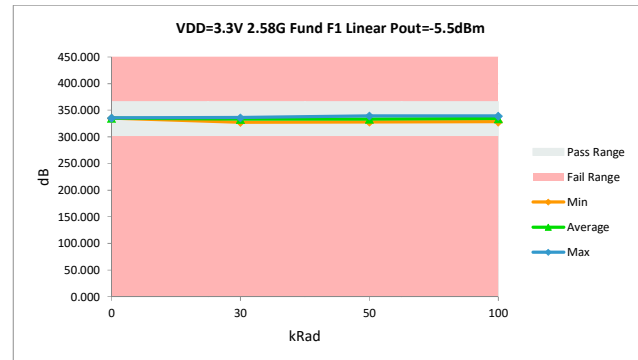
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	339.214	335.145	4.069	1.20%	6.30%
0	C2	337.717	335.775	1.942	0.58%	3.01%
30	1	333.296	328.588	4.709	1.41%	7.29%
30	2	338.877	332.029	6.848	2.02%	10.61%
30	3	338.582	335.330	3.252	0.96%	5.04%
30	4	336.217	334.995	1.222	0.36%	1.89%
30	5	334.553	333.072	1.480	0.44%	2.29%
30	6 U	343.064	336.273	6.791	1.98%	10.52%
30	7 U	337.702	335.267	2.435	0.72%	3.77%
30	8 U	337.538	332.551	4.987	1.48%	7.73%
30	9 U	333.157	327.637	5.519	1.66%	8.55%
30	10 U	340.918	335.823	5.095	1.49%	7.89%
50	11	338.586	339.591	-1.005	-0.30%	1.56%
50	12	335.672	333.334	2.338	0.70%	3.62%
50	13	338.242	333.993	4.249	1.26%	6.58%
50	14	331.839	329.614	2.225	0.67%	3.45%
50	15	332.805	328.274	4.531	1.36%	7.02%
50	16 U	339.515	336.089	3.426	1.01%	5.31%
50	17 U	337.226	329.601	7.625	2.26%	11.81%
50	18 U	336.450	333.509	2.941	0.87%	4.56%
50	19 U	341.352	334.769	6.583	1.93%	10.20%
50	20 U	330.080	337.345	-7.265	-2.20%	11.25%
100	21	336.135	330.159	5.976	1.78%	9.26%
100	22	334.995	332.970	2.026	0.60%	3.14%
100	23	336.631	337.959	-1.328	-0.39%	2.06%
100	24	335.251	339.405	-4.153	-1.24%	6.43%
100	25	332.470	333.125	-0.655	-0.20%	1.01%
100	26 U	336.683	334.722	1.961	0.58%	3.04%
100	27 U	330.729	328.503	2.227	0.67%	3.45%
100	28 U	337.130	331.532	5.598	1.66%	8.67%
100	29 U	336.658	336.711	-0.053	-0.02%	0.08%
100	30 U	334.566	336.412	-1.845	-0.55%	2.86%
Max		343.064	339.591	7.625	2.26%	11.81%
Average		336.370	333.753	2.617	0.77%	5.63%
Min		330.080	327.637	-7.265	-2.20%	0.08%
Std Dev		3.028	3.227	3.337	0.99%	3.31%



VDD=3.3V 2.58G Fund F1 Linear

Test Site		
Tester		
Test Number		
Max Limit	366.0274565	dB
Min Limit	301.4788664	dB

kRad	0	30	50	100
LL	301.479	301.479	301.479	301.479
Min	335.145	327.637	328.274	328.503
Average	335.460	333.157	333.612	334.150
Max	335.775	336.273	339.591	339.405
UL	366.027	366.027	366.027	366.027

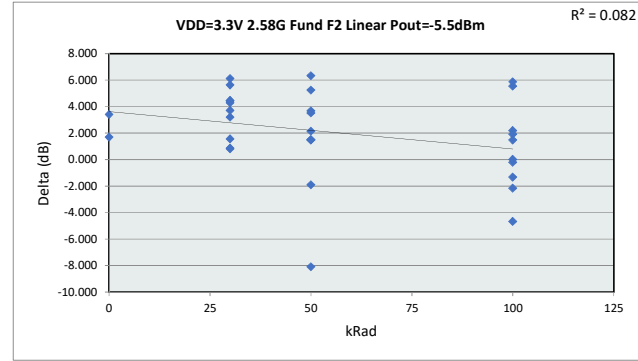


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G Fund F2 Linea

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	364.7896084	364.7896084
Min Limit	299.2545982	299.2545982

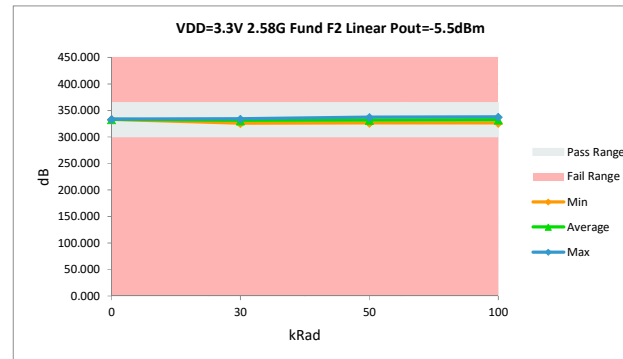
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	336.469	333.028	3.442	1.02%	5.25%
0	C2	335.234	333.512	1.722	0.51%	2.63%
30	1	331.074	326.604	4.470	1.35%	6.82%
30	2	336.423	330.273	6.150	1.83%	9.38%
30	3	336.360	333.124	3.236	0.96%	4.94%
30	4	333.862	332.958	0.905	0.27%	1.38%
30	5	332.040	331.189	0.851	0.26%	1.30%
30	6 U	339.907	334.235	5.672	1.67%	8.65%
30	7 U	335.003	333.410	1.593	0.48%	2.43%
30	8 U	334.718	330.979	3.739	1.12%	5.71%
30	9 U	330.319	325.826	4.493	1.36%	6.86%
30	10 U	338.637	334.313	4.323	1.28%	6.60%
50	11	335.922	337.783	-1.861	-0.55%	2.84%
50	12	333.005	331.496	1.509	0.45%	2.30%
50	13	336.052	332.497	3.555	1.06%	5.42%
50	14	329.652	328.120	1.532	0.46%	2.34%
50	15	330.153	326.438	3.716	1.13%	5.67%
50	16 U	336.770	334.589	2.181	0.65%	3.33%
50	17 U	334.381	328.018	6.363	1.90%	9.71%
50	18 U	333.533	331.998	1.534	0.46%	2.34%
50	19 U	338.702	333.417	5.285	1.56%	8.06%
50	20 U	328.010	336.067	-8.057	-2.46%	12.29%
100	21	334.185	328.277	5.908	1.77%	9.02%
100	22	333.535	331.307	2.228	0.67%	3.40%
100	23	335.003	336.283	-1.280	-0.38%	1.95%
100	24	333.521	338.159	-4.638	-1.39%	7.08%
100	25	330.886	331.057	-0.170	-0.05%	0.26%
100	26 U	334.632	333.120	1.511	0.45%	2.31%
100	27 U	328.843	326.900	1.942	0.59%	2.96%
100	28 U	335.303	329.719	5.583	1.67%	8.52%
100	29 U	335.010	334.962	0.048	0.01%	0.07%
100	30 U	332.924	335.047	-2.124	-0.64%	3.24%
	Max	339.907	338.159	6.363	1.90%	12.29%
	Average	334.065	332.022	2.043	0.61%	4.85%
	Min	328.010	325.826	-8.057	-2.46%	0.07%
	Std Dev	2.860	3.277	3.205	0.96%	3.12%



VDD=3.3V 2.58G Fund F2 Line

Test Site		
Tester		
Test Number		
Max Limit	364.7896084	dB
Min Limit	299.2545982	dB

kRad	0	30	50	100
LL	299.255	299.255	299.255	299.255
Min	333.028	325.826	326.438	326.900
Average	333.270	331.291	332.042	332.483
Max	333.512	334.313	337.783	338.159
UL	364.790	364.790	364.790	364.790

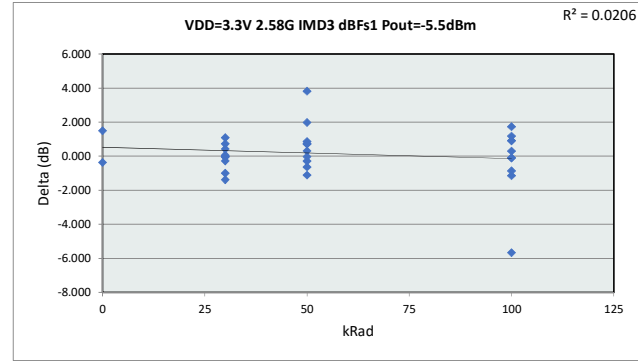


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G IMD3 dBFs1 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-80.31291232	-80.31291232
Min Limit	-110.1806666	-110.1806666

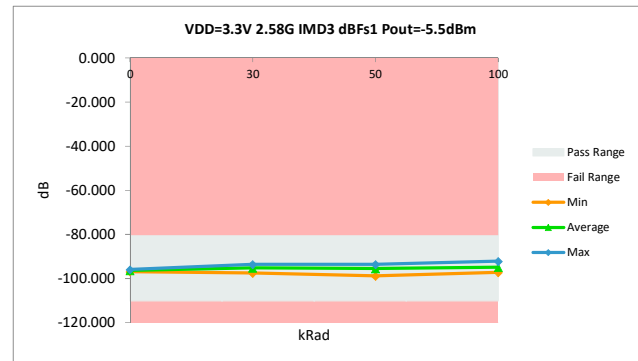
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-96.244	-95.902	-0.342	0.35%	1.14%
0	C2	-95.353	-96.871	1.518	-1.59%	5.08%
30	1	-93.500	-93.950	0.450	-0.48%	1.51%
30	2	-94.604	-94.346	-0.258	0.27%	0.86%
30	3	-93.525	-93.539	0.015	-0.02%	0.05%
30	4	-97.745	-96.771	-0.974	1.00%	3.26%
30	5	-96.349	-97.454	1.105	-1.15%	3.70%
30	6 U	-97.309	-95.946	-1.362	1.40%	4.56%
30	7 U	-93.548	-94.301	0.753	-0.81%	2.52%
30	8 U	-95.410	-95.495	0.085	-0.09%	0.28%
30	9 U	-94.161	-94.155	-0.006	0.01%	0.02%
30	10 U	-95.269	-95.236	-0.033	0.03%	0.11%
50	11	-94.302	-95.039	0.737	-0.78%	2.47%
50	12	-96.986	-95.899	-1.087	1.12%	3.64%
50	13	-95.232	-97.236	2.004	-2.10%	6.71%
50	14	-93.268	-93.596	0.328	-0.35%	1.10%
50	15	-92.872	-93.623	0.752	-0.81%	2.52%
50	16 U	-95.637	-95.627	-0.010	0.01%	0.03%
50	17 U	-96.467	-95.852	-0.615	0.64%	2.06%
50	18 U	-93.360	-94.241	0.881	-0.94%	2.95%
50	19 U	-95.331	-95.063	-0.268	0.28%	0.90%
50	20 U	-95.008	-98.849	3.841	-4.04%	12.86%
100	21	-99.946	-94.308	-5.638	5.64%	18.88%
100	22	-96.025	-97.223	1.198	-1.25%	4.01%
100	23	-93.924	-94.859	0.935	-1.00%	3.13%
100	24	-95.547	-96.476	0.929	-0.97%	3.11%
100	25	-94.978	-96.731	1.753	-1.85%	5.87%
100	26 U	-96.726	-95.603	-1.123	1.16%	3.76%
100	27 U	-93.250	-93.572	0.322	-0.35%	1.08%
100	28 U	-92.240	-92.151	-0.089	0.10%	0.30%
100	29 U	-95.105	-95.033	-0.071	0.08%	0.24%
100	30 U	-93.783	-92.945	-0.838	0.89%	2.81%
	Max	-92.240	-92.151	3.841	5.64%	18.88%
	Average	-95.094	-95.247	0.153	-0.17%	3.17%
	Min	-99.946	-98.849	-5.638	-4.04%	0.02%
	Std Dev	1.638	1.493	1.492	1.53%	3.85%



VDD=3.3V 2.58G IMD3 dBFs1

Test Site		
Tester		
Test Number		
Max Limit	-80.31291232	dB
Min Limit	-110.1806666	dB

kRad	0	30	50	100
LL	-110.181	-110.181	-110.181	-110.181
Min	-96.871	-97.454	-98.849	-97.223
Average	-96.387	-95.120	-95.503	-94.890
Max	-95.902	-93.539	-93.596	-92.151
UL	-80.313	-80.313	-80.313	-80.313

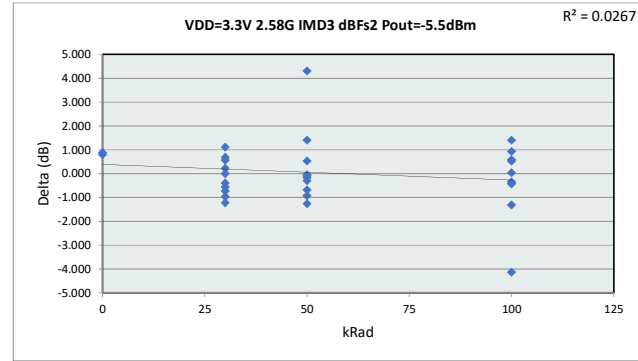


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G IMD3 dBFs2 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-79.64120888	-79.64120888
Min Limit	-111.4220774	-111.4220774

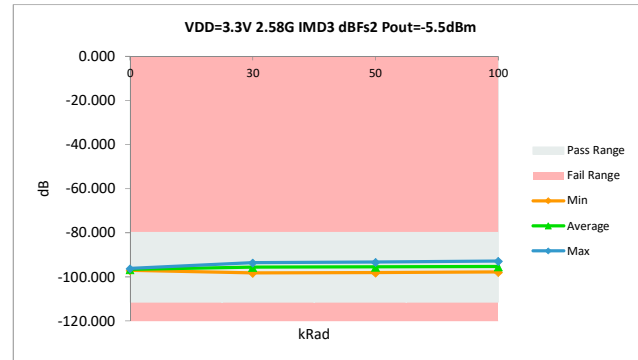
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-96.211	-97.030	0.819	-0.85%	2.58%
0	C2	-95.324	-96.220	0.896	-0.94%	2.82%
30	1	-93.566	-93.585	0.018	-0.02%	0.06%
30	2	-94.540	-93.996	-0.544	0.58%	1.71%
30	3	-94.202	-94.443	0.241	-0.26%	0.76%
30	4	-97.611	-98.189	0.578	-0.59%	1.82%
30	5	-96.732	-97.425	0.693	-0.72%	2.18%
30	6 U	-98.267	-97.318	-0.949	0.97%	2.99%
30	7 U	-95.226	-94.510	-0.716	0.75%	2.25%
30	8 U	-96.022	-95.644	-0.377	0.39%	1.19%
30	9 U	-95.953	-94.748	-1.205	1.26%	3.79%
30	10 U	-94.745	-95.876	1.131	-1.19%	3.56%
50	11	-94.885	-96.305	1.420	-1.50%	4.47%
50	12	-97.479	-97.404	-0.075	0.08%	0.23%
50	13	-95.779	-94.867	-0.912	0.95%	2.87%
50	14	-94.170	-94.017	-0.153	0.16%	0.48%
50	15	-93.581	-94.127	0.546	-0.58%	1.72%
50	16 U	-95.092	-95.059	-0.033	0.03%	0.10%
50	17 U	-97.912	-96.664	-1.248	1.27%	3.93%
50	18 U	-93.563	-93.280	-0.282	0.30%	0.89%
50	19 U	-95.787	-95.117	-0.670	0.70%	2.11%
50	20 U	-93.767	-98.094	4.327	-4.61%	13.62%
100	21	-99.139	-95.025	-4.113	4.15%	12.94%
100	22	-96.487	-97.032	0.545	-0.56%	1.71%
100	23	-93.907	-94.854	0.947	-1.01%	2.98%
100	24	-96.406	-97.823	1.417	-1.47%	4.46%
100	25	-97.154	-96.745	-0.408	0.42%	1.28%
100	26 U	-96.443	-97.040	0.598	-0.62%	1.88%
100	27 U	-93.634	-93.681	0.047	-0.05%	0.15%
100	28 U	-93.147	-92.818	-0.329	0.35%	1.04%
100	29 U	-95.714	-95.311	-0.403	0.42%	1.27%
100	30 U	-94.060	-92.763	-1.297	1.38%	4.08%
	Max	-93.147	-92.763	4.327	4.15%	13.62%
	Average	-95.516	-95.532	0.016	-0.03%	2.75%
	Min	-99.139	-98.189	-4.113	-4.61%	0.06%
	Std Dev	1.572	1.589	1.314	1.37%	3.05%



VDD=3.3V 2.58G IMD3 dBFs2

Test Site		
Tester		
Test Number		
Max Limit	-79.64120888	dB
Min Limit	-111.4220774	dB

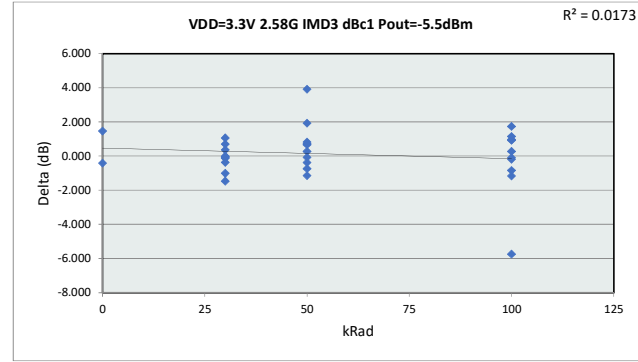
kRad	0	30	50	100
LL	-111.422	-111.422	-111.422	-111.422
Min	-97.030	-98.189	-98.094	-97.823
Average	-96.625	-95.573	-95.493	-95.309
Max	-96.220	-93.585	-93.280	-92.763
UL	-79.641	-79.641	-79.641	-79.641



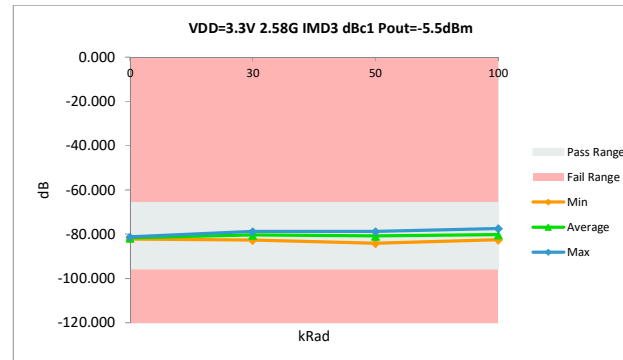
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G IMD3 dBc1 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-65.37724264	-65.37724264
Min Limit	-95.58445017	-95.58445017

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-81.549	-81.155	-0.394	0.48%	1.30%
0	C2	-80.639	-82.131	1.493	-1.85%	4.94%
30	1	-78.729	-79.116	0.388	-0.49%	1.28%
30	2	-79.905	-79.558	-0.347	0.43%	1.15%
30	3	-78.821	-78.794	-0.027	0.03%	0.09%
30	4	-83.011	-82.022	-0.990	1.19%	3.28%
30	5	-81.594	-82.680	1.086	-1.33%	3.60%
30	6 U	-82.662	-81.213	-1.449	1.75%	4.80%
30	7 U	-78.834	-79.555	0.722	-0.92%	2.39%
30	8 U	-80.693	-80.714	0.020	-0.03%	0.07%
30	9 U	-79.387	-79.309	-0.079	0.10%	0.26%
30	10 U	-80.596	-80.497	-0.099	0.12%	0.33%
50	11	-79.599	-80.349	0.750	-0.94%	2.48%
50	12	-82.245	-81.127	-1.118	1.36%	3.70%
50	13	-80.524	-82.474	1.949	-2.42%	6.45%
50	14	-78.477	-78.776	0.299	-0.38%	0.99%
50	15	-78.094	-78.786	0.692	-0.89%	2.29%
50	16 U	-80.946	-80.892	-0.054	0.07%	0.18%
50	17 U	-81.746	-81.032	-0.714	0.87%	2.36%
50	18 U	-78.630	-79.472	0.843	-1.07%	2.79%
50	19 U	-80.663	-80.310	-0.353	0.44%	1.17%
50	20 U	-80.194	-84.130	3.936	-4.91%	13.03%
100	21	-85.211	-79.495	-5.716	6.71%	18.92%
100	22	-81.275	-82.447	1.172	-1.44%	3.88%
100	23	-79.196	-80.148	0.952	-1.20%	3.15%
100	24	-80.800	-81.783	0.983	-1.22%	3.25%
100	25	-80.195	-81.957	1.762	-2.20%	5.83%
100	26 U	-81.998	-80.850	-1.148	1.40%	3.80%
100	27 U	-78.445	-78.738	0.293	-0.37%	0.97%
100	28 U	-77.518	-77.356	-0.162	0.21%	0.54%
100	29 U	-80.376	-80.306	-0.071	0.09%	0.23%
100	30 U	-79.028	-78.214	-0.814	1.03%	2.70%
	Max	-77.518	-77.356	3.936	6.71%	18.92%
	Average	-80.362	-80.481	0.119	-0.17%	3.19%
	Min	-85.211	-84.130	-5.716	-4.91%	0.07%
	Std Dev	1.650	1.510	1.515	1.83%	3.84%



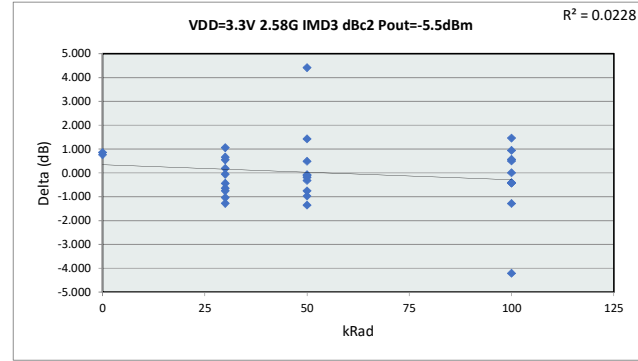
VDD=3.3V 2.58G IMD3 dBc1 Pout=-5.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-65.37724264		dB	
Min Limit	-95.58445017		dB	
kRad	0	30	50	100
LL	-95.584	-95.584	-95.584	-95.584
Min	-82.131	-82.680	-84.130	-82.447
Average	-81.643	-80.346	-80.735	-80.129
Max	-81.155	-78.794	-78.776	-77.356
UL	-65.377	-65.377	-65.377	-65.377



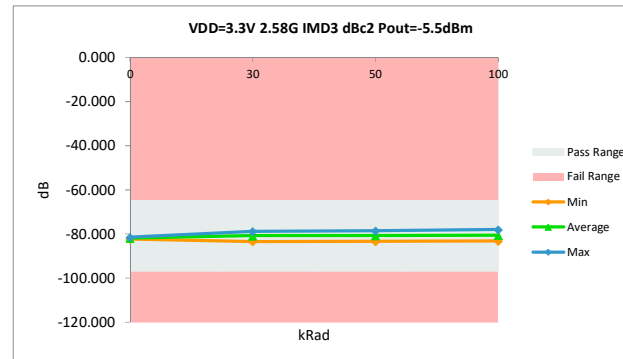
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G IMD3 dBc2 Po		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-64.6782882	-64.6782882
Min Limit	-96.80792643	-96.80792643

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-81.481	-82.255	0.774	-0.95%	2.41%
0	C2	-80.577	-81.451	0.874	-1.08%	2.72%
30	1	-78.766	-78.725	-0.041	0.05%	0.13%
30	2	-79.809	-79.185	-0.624	0.78%	1.94%
30	3	-79.470	-79.669	0.199	-0.25%	0.62%
30	4	-82.846	-83.413	0.566	-0.68%	1.76%
30	5	-81.944	-82.625	0.682	-0.83%	2.12%
30	6 U	-83.581	-82.559	-1.022	1.22%	3.18%
30	7 U	-80.477	-79.740	-0.736	0.92%	2.29%
30	8 U	-81.269	-80.842	-0.426	0.52%	1.33%
30	9 U	-81.142	-79.878	-1.264	1.56%	3.93%
30	10 U	-80.043	-81.117	1.075	-1.34%	3.35%
50	11	-80.147	-81.591	1.444	-1.80%	4.49%
50	12	-82.703	-82.609	-0.094	0.11%	0.29%
50	13	-81.043	-80.085	-0.958	1.18%	2.98%
50	14	-79.350	-79.177	-0.173	0.22%	0.54%
50	15	-78.768	-79.265	0.497	-0.63%	1.55%
50	16 U	-80.365	-80.304	-0.061	0.08%	0.19%
50	17 U	-83.155	-81.823	-1.331	1.60%	4.14%
50	18 U	-78.794	-78.492	-0.302	0.38%	0.94%
50	19 U	-81.086	-80.347	-0.739	0.91%	2.30%
50	20 U	-78.926	-83.358	4.432	-5.62%	13.80%
100	21	-84.379	-80.188	-4.191	4.97%	13.04%
100	22	-81.719	-82.235	0.516	-0.63%	1.61%
100	23	-79.158	-80.121	0.964	-1.22%	3.00%
100	24	-81.637	-83.114	1.477	-1.81%	4.60%
100	25	-82.351	-81.944	-0.406	0.49%	1.26%
100	26 U	-81.688	-82.266	0.578	-0.71%	1.80%
100	27 U	-78.804	-78.825	0.021	-0.03%	0.07%
100	28 U	-78.401	-77.999	-0.402	0.51%	1.25%
100	29 U	-80.965	-80.561	-0.404	0.50%	1.26%
100	30 U	-79.283	-78.014	-1.269	1.60%	3.95%
	Max	-78.401	-77.999	4.432	4.97%	13.80%
	Average	-80.754	-80.743	-0.011	0.00%	2.78%
	Min	-84.379	-83.413	-4.191	-5.62%	0.07%
	Std Dev	1.582	1.606	1.342	1.65%	3.08%



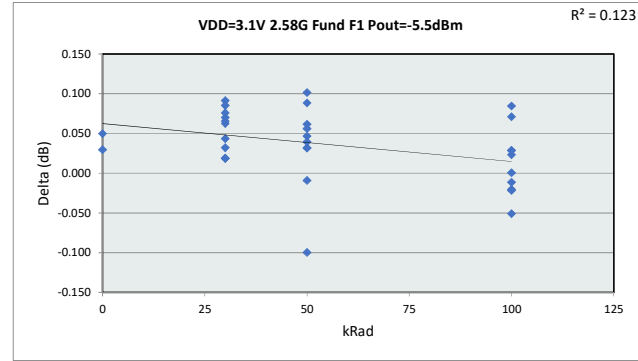
VDD=3.3V 2.58G IMD3 dBc2 P				
Test Site				
Tester				
Test Number				
Max Limit	-64.6782882		dB	
Min Limit	-96.80792643		dB	
kRad	0	30	50	100
LL	-96.808	-96.808	-96.808	-96.808
Min	-82.255	-83.413	-83.358	-83.114
Average	-81.853	-80.775	-80.705	-80.527
Max	-81.451	-78.725	-78.492	-77.999
UL	-64.678	-64.678	-64.678	-64.678



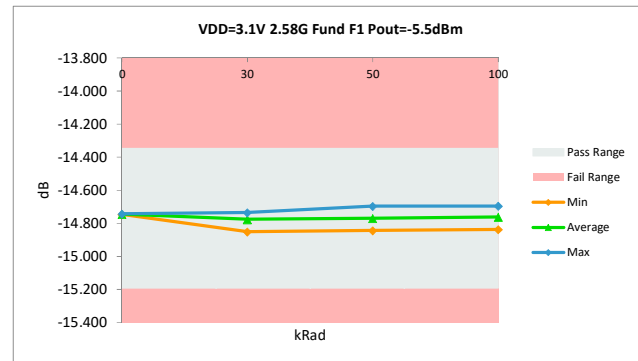
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G Fund F1 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.34433526	-14.34433526
Min Limit	-15.18975931	-15.18975931

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.696	-14.746	0.050	-0.34%	5.95%
0	C2	-14.712	-14.742	0.030	-0.20%	3.55%
30	1	-14.772	-14.835	0.063	-0.43%	7.45%
30	2	-14.699	-14.791	0.092	-0.62%	10.86%
30	3	-14.702	-14.746	0.044	-0.30%	5.21%
30	4	-14.732	-14.751	0.019	-0.13%	2.27%
30	5	-14.753	-14.772	0.019	-0.13%	2.28%
30	6 U	-14.648	-14.734	0.086	-0.59%	10.15%
30	7 U	-14.715	-14.748	0.033	-0.22%	3.85%
30	8 U	-14.719	-14.785	0.066	-0.45%	7.82%
30	9 U	-14.773	-14.850	0.076	-0.52%	9.04%
30	10 U	-14.672	-14.742	0.071	-0.48%	8.35%
50	11	-14.704	-14.696	-0.009	0.06%	1.03%
50	12	-14.735	-14.768	0.032	-0.22%	3.84%
50	13	-14.706	-14.763	0.056	-0.38%	6.68%
50	14	-14.789	-14.821	0.032	-0.22%	3.82%
50	15	-14.781	-14.843	0.062	-0.42%	7.34%
50	16 U	-14.695	-14.742	0.047	-0.32%	5.59%
50	17 U	-14.719	-14.821	0.102	-0.69%	12.06%
50	18 U	-14.730	-14.770	0.040	-0.27%	4.73%
50	19 U	-14.662	-14.751	0.089	-0.61%	10.51%
50	20 U	-14.817	-14.718	-0.099	0.67%	11.73%
100	21	-14.730	-14.815	0.085	-0.58%	10.06%
100	22	-14.747	-14.776	0.029	-0.20%	3.45%
100	23	-14.732	-14.712	-0.020	0.13%	2.35%
100	24	-14.745	-14.695	-0.051	0.34%	5.98%
100	25	-14.781	-14.770	-0.011	0.07%	1.27%
100	26 U	-14.728	-14.752	0.024	-0.16%	2.82%
100	27 U	-14.807	-14.836	0.029	-0.20%	3.43%
100	28 U	-14.723	-14.795	0.072	-0.49%	8.46%
100	29 U	-14.727	-14.728	0.001	-0.01%	0.13%
100	30 U	-14.754	-14.733	-0.021	0.14%	2.52%
	Max	-14.648	-14.695	0.102	0.67%	12.06%
	Average	-14.731	-14.767	0.036	-0.24%	5.77%
	Min	-14.817	-14.850	-0.099	-0.69%	0.13%
	Std Dev	0.040	0.042	0.044	0.30%	3.38%



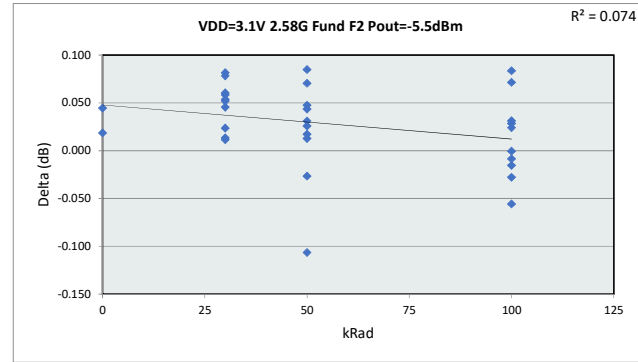
VDD=3.1V 2.58G Fund F1 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-14.34433526	dB		
Min Limit	-15.18975931	dB		
kRad	0	30	50	100
LL	-15.190	-15.190	-15.190	-15.190
Min	-14.746	-14.850	-14.843	-14.836
Average	-14.744	-14.775	-14.769	-14.761
Max	-14.742	-14.734	-14.696	-14.695
UL	-14.344	-14.344	-14.344	-14.344



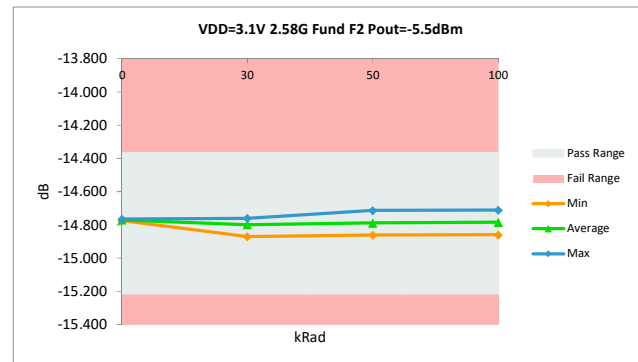
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G Fund F2 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.36171843	-14.36171843
Min Limit	-15.21719413	-15.21719413

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.730	-14.775	0.045	-0.31%	5.26%
0	C2	-14.746	-14.765	0.019	-0.13%	2.23%
30	1	-14.807	-14.861	0.054	-0.36%	6.32%
30	2	-14.732	-14.814	0.082	-0.56%	9.56%
30	3	-14.729	-14.775	0.046	-0.31%	5.37%
30	4	-14.765	-14.777	0.012	-0.08%	1.40%
30	5	-14.785	-14.799	0.014	-0.09%	1.62%
30	6 U	-14.683	-14.761	0.079	-0.54%	9.20%
30	7 U	-14.747	-14.771	0.024	-0.16%	2.81%
30	8 U	-14.755	-14.807	0.052	-0.36%	6.12%
30	9 U	-14.810	-14.871	0.061	-0.41%	7.11%
30	10 U	-14.702	-14.761	0.059	-0.40%	6.86%
50	11	-14.740	-14.714	-0.026	0.18%	3.05%
50	12	-14.772	-14.789	0.018	-0.12%	2.06%
50	13	-14.738	-14.782	0.044	-0.30%	5.14%
50	14	-14.824	-14.837	0.013	-0.09%	1.55%
50	15	-14.814	-14.862	0.048	-0.32%	5.60%
50	16 U	-14.730	-14.761	0.032	-0.21%	3.69%
50	17 U	-14.757	-14.842	0.085	-0.58%	9.97%
50	18 U	-14.766	-14.792	0.026	-0.18%	3.08%
50	19 U	-14.699	-14.770	0.071	-0.48%	8.29%
50	20 U	-14.842	-14.736	-0.106	0.71%	12.39%
100	21	-14.755	-14.839	0.084	-0.57%	9.80%
100	22	-14.767	-14.799	0.032	-0.21%	3.70%
100	23	-14.749	-14.734	-0.015	0.10%	1.73%
100	24	-14.767	-14.712	-0.055	0.37%	6.46%
100	25	-14.803	-14.795	-0.008	0.05%	0.94%
100	26 U	-14.751	-14.775	0.024	-0.17%	2.85%
100	27 U	-14.831	-14.860	0.029	-0.20%	3.38%
100	28 U	-14.749	-14.821	0.072	-0.49%	8.39%
100	29 U	-14.752	-14.752	0.000	0.00%	0.01%
100	30 U	-14.779	-14.751	-0.027	0.19%	3.20%
Max		-14.683	-14.712	0.085	0.71%	12.39%
Average		-14.762	-14.789	0.028	-0.19%	4.97%
Min		-14.842	-14.871	-0.106	-0.58%	0.01%
Std Dev		0.038	0.043	0.042	0.29%	3.15%



VDD=3.1V 2.58G Fund F2 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-14.36171843	dB		
Min Limit	-15.21719413	dB		
kRad	0	30	50	100
LL	-15.217	-15.217	-15.217	-15.217
Min	-14.775	-14.871	-14.862	-14.860
Average	-14.770	-14.800	-14.789	-14.784
Max	-14.765	-14.761	-14.714	-14.712
UL	-14.362	-14.362	-14.362	-14.362

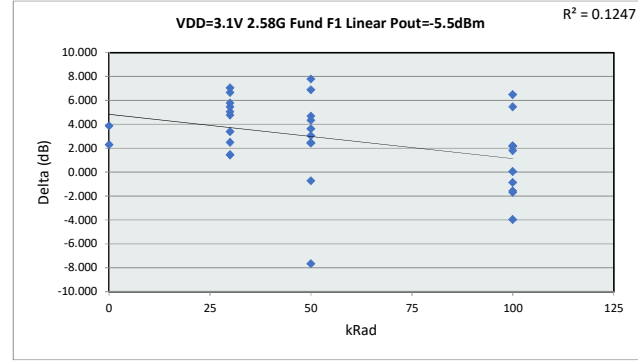


QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G Fund F1 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	366.0870387	366.0870387
Min Limit	301.2499154	301.2499154

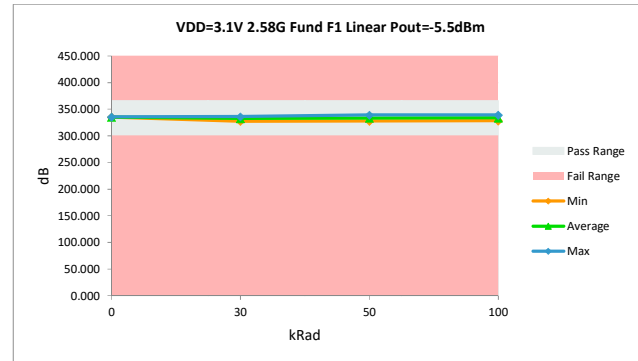
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	339.164	335.261	3.903	1.15%	6.02%
0	C2	337.907	335.577	2.330	0.69%	3.59%
30	1	333.292	328.492	4.800	1.44%	7.40%
30	2	338.922	331.834	7.087	2.09%	10.93%
30	3	338.713	335.293	3.420	1.01%	5.28%
30	4	336.340	334.858	1.481	0.44%	2.28%
30	5	334.754	333.270	1.483	0.44%	2.29%
30	6 U	342.935	336.227	6.708	1.96%	10.35%
30	7 U	337.668	335.147	2.520	0.75%	3.89%
30	8 U	337.400	332.306	5.095	1.51%	7.86%
30	9 U	333.165	327.353	5.812	1.74%	8.96%
30	10 U	341.068	335.572	5.497	1.61%	8.48%
50	11	338.510	339.189	-0.679	-0.20%	1.05%
50	12	336.119	333.617	2.501	0.74%	3.86%
50	13	338.349	333.977	4.372	1.29%	6.74%
50	14	331.980	329.522	2.459	0.74%	3.79%
50	15	332.586	327.866	4.720	1.42%	7.28%
50	16 U	339.247	335.575	3.672	1.08%	5.66%
50	17 U	337.368	329.539	7.829	2.32%	12.08%
50	18 U	336.498	333.413	3.084	0.92%	4.76%
50	19 U	341.799	334.874	6.925	2.03%	10.68%
50	20 U	329.831	337.448	-7.617	-2.31%	11.75%
100	21	336.501	329.973	6.528	1.94%	10.07%
100	22	335.178	332.934	2.244	0.67%	3.46%
100	23	336.377	337.921	-1.544	-0.46%	2.38%
100	24	335.318	339.242	-3.924	-1.17%	6.05%
100	25	332.592	333.417	-0.825	-0.25%	1.27%
100	26 U	336.680	334.838	1.842	0.55%	2.84%
100	27 U	330.588	328.385	2.203	0.67%	3.40%
100	28 U	337.016	331.511	5.505	1.63%	8.49%
100	29 U	336.745	336.661	0.084	0.02%	0.13%
100	30 U	334.654	336.298	-1.645	-0.49%	2.54%
	Max	342.935	339.242	7.829	2.32%	12.08%
	Average	336.415	333.668	2.746	0.81%	5.80%
	Min	329.831	327.353	-7.617	-2.31%	0.13%
	Std Dev	3.058	3.242	3.416	1.02%	3.40%



VDD=3.1V 2.58G Fund F1 Linear

Test Site		
Tester		
Test Number		
Max Limit	366.0870387	dB
Min Limit	301.2499154	dB

kRad	0	30	50	100
LL	301.250	301.250	301.250	301.250
Min	335.261	327.353	327.866	328.385
Average	335.419	333.035	333.502	334.118
Max	335.577	336.227	339.189	339.242
UL	366.087	366.087	366.087	366.087

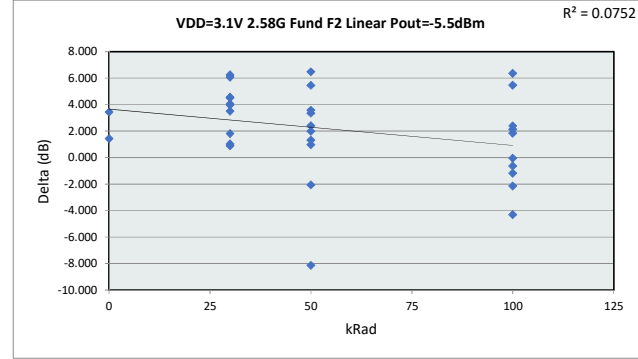


QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G Fund F2 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	364.6034192	364.6034192
Min Limit	299.2997847	299.2997847

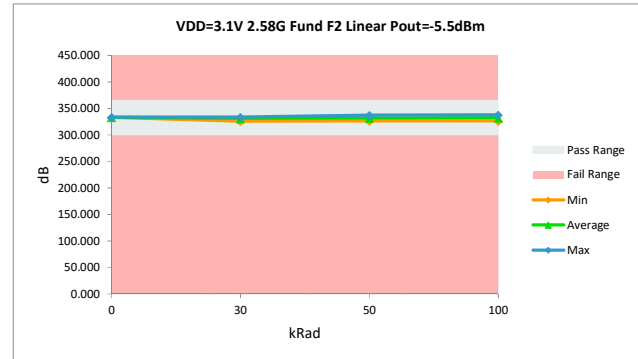
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	336.512	333.044	3.468	1.03%	5.31%
0	C2	335.241	333.772	1.469	0.44%	2.25%
30	1	330.595	326.507	4.088	1.24%	6.26%
30	2	336.324	330.047	6.277	1.87%	9.61%
30	3	336.563	333.023	3.539	1.05%	5.42%
30	4	333.841	332.921	0.920	0.28%	1.41%
30	5	332.282	331.220	1.061	0.32%	1.63%
30	6 U	340.205	334.093	6.112	1.80%	9.36%
30	7 U	335.222	333.374	1.849	0.55%	2.83%
30	8 U	334.596	330.585	4.011	1.20%	6.14%
30	9 U	330.379	325.782	4.597	1.39%	7.04%
30	10 U	338.662	334.114	4.548	1.34%	6.96%
50	11	335.736	337.758	-2.022	-0.60%	3.10%
50	12	333.302	331.955	1.347	0.40%	2.06%
50	13	335.896	332.513	3.383	1.01%	5.18%
50	14	329.297	328.293	1.004	0.31%	1.54%
50	15	330.049	326.431	3.619	1.10%	5.54%
50	16 U	336.533	334.095	2.438	0.72%	3.73%
50	17 U	334.440	327.934	6.507	1.95%	9.96%
50	18 U	333.727	331.711	2.016	0.60%	3.09%
50	19 U	338.899	333.410	5.490	1.62%	8.41%
50	20 U	327.915	336.014	-8.099	-2.47%	12.40%
100	21	334.576	328.178	6.397	1.91%	9.80%
100	22	333.619	331.197	2.422	0.73%	3.71%
100	23	335.057	336.203	-1.147	-0.34%	1.76%
100	24	333.655	337.927	-4.272	-1.28%	6.54%
100	25	330.915	331.526	-0.611	-0.18%	0.94%
100	26 U	334.888	333.014	1.874	0.56%	2.87%
100	27 U	328.751	326.568	2.183	0.66%	3.34%
100	28 U	335.027	329.534	5.493	1.64%	8.41%
100	29 U	334.835	334.844	-0.009	0.00%	0.01%
100	30 U	332.756	334.862	-2.107	-0.63%	3.23%
	Max	340.205	337.927	6.507	1.95%	12.40%
	Average	334.072	331.952	2.120	0.63%	4.99%
	Min	327.915	325.782	-8.099	-2.47%	0.01%
	Std Dev	2.923	3.265	3.257	0.98%	3.16%



VDD=3.1V 2.58G Fund F2 Linear

Test Site		
Tester		
Test Number		
Max Limit	364.6034192	dB
Min Limit	299.2997847	dB

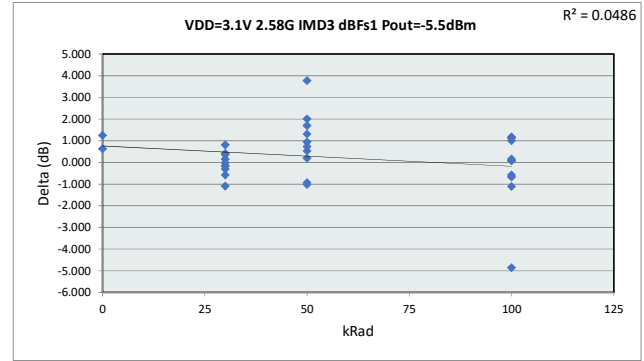
kRad	0	30	50	100
LL	299.300	299.300	299.300	299.300
Min	333.044	325.782	326.431	326.568
Average	333.408	331.167	332.011	332.385
Max	333.772	334.114	337.758	337.927
UL	364.603	364.603	364.603	364.603



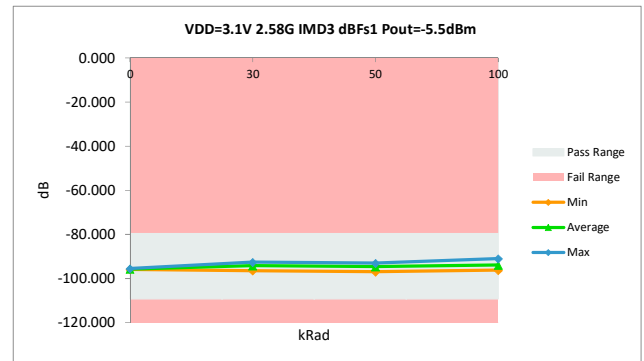
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G IMD3 dBFs1 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-79.40094547	-79.40094547
Min Limit	-109.2350185	-109.2350185

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-95.221	-95.867	0.646	-0.68%	2.17%
0	C2	-94.244	-95.512	1.268	-1.35%	4.25%
30	1	-92.426	-92.593	0.168	-0.18%	0.56%
30	2	-94.176	-93.619	-0.557	0.59%	1.87%
30	3	-93.287	-93.720	0.433	-0.46%	1.45%
30	4	-96.109	-96.478	0.369	-0.38%	1.24%
30	5	-95.632	-94.556	-1.076	1.12%	3.61%
30	6 U	-96.117	-96.112	-0.005	0.01%	0.02%
30	7 U	-93.197	-94.028	0.831	-0.89%	2.79%
30	8 U	-93.992	-93.704	-0.289	0.31%	0.97%
30	9 U	-93.654	-93.520	-0.134	0.14%	0.45%
30	10 U	-93.807	-93.652	-0.155	0.17%	0.52%
50	11	-93.981	-94.193	0.212	-0.23%	0.71%
50	12	-94.852	-95.810	0.959	-1.01%	3.21%
50	13	-93.615	-94.160	0.545	-0.58%	1.83%
50	14	-92.385	-94.415	2.030	-2.20%	6.80%
50	15	-92.296	-93.046	0.750	-0.81%	2.52%
50	16 U	-94.505	-93.503	-1.001	1.06%	3.36%
50	17 U	-95.011	-96.725	1.714	-1.80%	5.74%
50	18 U	-91.882	-93.209	1.328	-1.45%	4.45%
50	19 U	-95.253	-94.341	-0.912	0.96%	3.06%
50	20 U	-93.204	-96.990	3.786	-4.06%	12.69%
100	21	-97.739	-92.898	-4.840	4.95%	16.22%
100	22	-94.760	-95.896	1.136	-1.20%	3.81%
100	23	-92.666	-93.679	1.013	-1.09%	3.40%
100	24	-96.204	-95.108	-1.096	1.14%	3.67%
100	25	-95.055	-96.249	1.194	-1.26%	4.00%
100	26 U	-95.723	-95.815	0.092	-0.10%	0.31%
100	27 U	-92.284	-92.463	0.179	-0.19%	0.60%
100	28 U	-90.857	-90.951	0.095	-0.10%	0.32%
100	29 U	-94.101	-93.543	-0.558	0.59%	1.87%
100	30 U	-92.474	-91.818	-0.656	0.71%	2.20%
	Max	-90.857	-90.951	3.786	4.95%	16.22%
	Average	-94.085	-94.318	0.233	-0.26%	3.15%
	Min	-97.739	-96.990	-4.840	-4.06%	0.02%
	Std Dev	1.519	1.492	1.378	1.45%	3.43%



VDD=3.1V 2.58G IMD3 dBFs1				
Test Site				
Tester				
Test Number				
Max Limit	-79.40094547		dB	
Min Limit	-109.2350185		dB	
kRad	0	30	50	100
LL	-109.235	-109.235	-109.235	-109.235
Min	-95.867	-96.478	-96.990	-96.249
Average	-95.690	-94.198	-94.639	-93.842
Max	-95.512	-92.593	-93.046	-90.951
UL	-79.401	-79.401	-79.401	-79.401

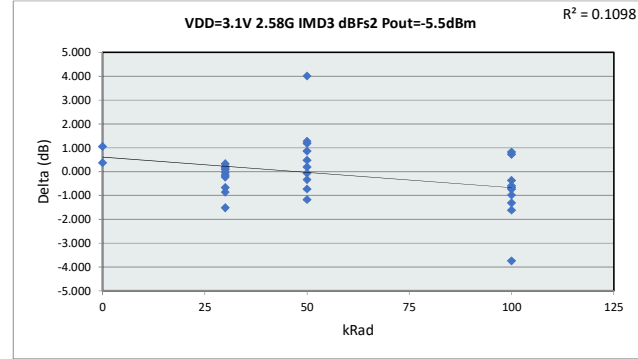


QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G IMD3 dBFs2 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-79.79984674	-79.79984674
Min Limit	-108.7319688	-108.7319688

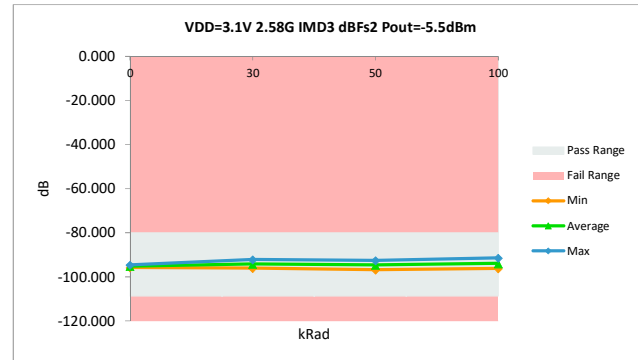
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-94.664	-95.741	1.076	-1.14%	3.72%
0	C2	-94.162	-94.551	0.389	-0.41%	1.34%
30	1	-93.053	-92.212	-0.841	0.90%	2.91%
30	2	-94.145	-94.017	-0.128	0.14%	0.44%
30	3	-92.401	-92.573	0.171	-0.19%	0.59%
30	4	-96.510	-95.859	-0.651	0.67%	2.25%
30	5	-95.170	-95.398	0.228	-0.24%	0.79%
30	6 U	-95.869	-95.977	0.107	-0.11%	0.37%
30	7 U	-94.018	-94.005	-0.013	0.01%	0.04%
30	8 U	-95.553	-94.056	-1.496	1.57%	5.17%
30	9 U	-93.690	-93.483	-0.207	0.22%	0.71%
30	10 U	-93.472	-93.819	0.348	-0.37%	1.20%
50	11	-93.132	-94.333	1.200	-1.29%	4.15%
50	12	-95.324	-96.200	0.876	-0.92%	3.03%
50	13	-94.799	-94.477	-0.322	0.34%	1.11%
50	14	-93.051	-93.002	-0.049	0.05%	0.17%
50	15	-91.766	-93.054	1.288	-1.40%	4.45%
50	16 U	-95.259	-94.104	-1.154	1.21%	3.99%
50	17 U	-95.576	-95.789	0.213	-0.22%	0.74%
50	18 U	-93.244	-92.527	-0.717	0.77%	2.48%
50	19 U	-95.057	-95.553	0.496	-0.52%	1.72%
50	20 U	-92.678	-96.709	4.031	-4.35%	13.93%
100	21	-97.503	-93.776	-3.727	3.82%	12.88%
100	22	-96.373	-95.082	-1.291	1.34%	4.46%
100	23	-93.150	-93.991	0.841	-0.90%	2.91%
100	24	-96.331	-95.363	-0.968	1.00%	3.35%
100	25	-95.406	-96.149	0.742	-0.78%	2.57%
100	26 U	-96.546	-95.822	-0.724	0.75%	2.50%
100	27 U	-92.862	-92.199	-0.663	0.71%	2.29%
100	28 U	-91.775	-91.419	-0.356	0.39%	1.23%
100	29 U	-94.241	-93.661	-0.580	0.62%	2.01%
100	30 U	-93.214	-91.609	-1.604	1.72%	5.55%
	Max	-91.766	-91.419	4.031	3.82%	13.93%
	Average	-94.375	-94.266	-0.109	0.11%	2.97%
	Min	-97.503	-96.709	-3.727	-4.35%	0.04%
	Std Dev	1.496	1.447	1.253	1.33%	3.13%



VDD=3.1V 2.58G IMD3 dBFs2

Test Site		
Tester		
Test Number		
Max Limit	-79.79984674	dB
Min Limit	-108.7319688	dB

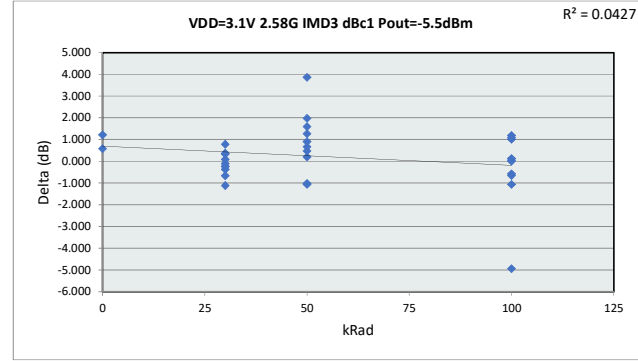
kRad	0	30	50	100
LL	-108.732	-108.732	-108.732	-108.732
Min	-95.741	-95.977	-96.709	-96.149
Average	-95.146	-94.140	-94.575	-93.907
Max	-94.551	-92.212	-92.527	-91.419
UL	-79.800	-79.800	-79.800	-79.800



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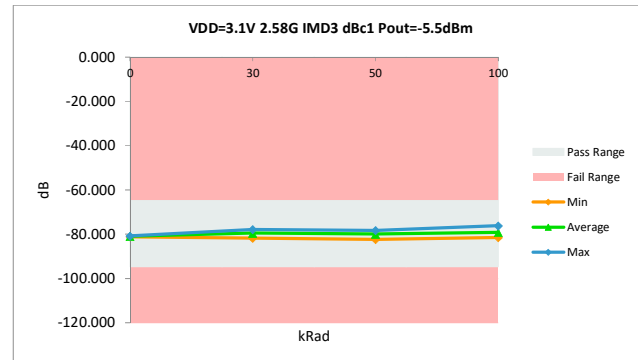
VDD=3.1V 2.58G IMD3 dBc1 Po	
Test Site	
Tester	
Test Number	
Unit	
Max Limit	-64.49983513
Min Limit	-94.60203589

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-80.525	-81.121	0.596	-0.74%	1.98%
0	C2	-79.532	-80.770	1.238	-1.56%	4.11%
30	1	-77.654	-77.759	0.105	-0.13%	0.35%
30	2	-79.477	-78.828	-0.649	0.82%	2.16%
30	3	-78.585	-78.974	0.389	-0.50%	1.29%
30	4	-81.377	-81.727	0.350	-0.43%	1.16%
30	5	-80.879	-79.784	-1.095	1.35%	3.64%
30	6 U	-81.470	-81.379	-0.091	0.11%	0.30%
30	7 U	-78.482	-79.281	0.799	-1.02%	2.65%
30	8 U	-79.274	-78.919	-0.355	0.45%	1.18%
30	9 U	-78.880	-78.670	-0.210	0.27%	0.70%
30	10 U	-79.135	-78.910	-0.226	0.29%	0.75%
50	11	-79.277	-79.497	0.220	-0.28%	0.73%
50	12	-80.117	-81.043	0.926	-1.16%	3.08%
50	13	-78.909	-79.398	0.489	-0.62%	1.62%
50	14	-77.596	-79.593	1.997	-2.57%	6.64%
50	15	-77.515	-78.203	0.688	-0.89%	2.29%
50	16 U	-79.810	-78.761	-1.049	1.31%	3.48%
50	17 U	-80.292	-81.904	1.612	-2.01%	5.35%
50	18 U	-77.151	-78.439	1.288	-1.67%	4.28%
50	19 U	-80.591	-79.590	-1.001	1.24%	3.32%
50	20 U	-78.387	-82.272	3.885	-4.96%	12.91%
100	21	-83.008	-78.083	-4.925	5.93%	16.36%
100	22	-80.012	-81.119	1.107	-1.38%	3.68%
100	23	-77.934	-78.967	1.033	-1.33%	3.43%
100	24	-81.458	-80.413	-1.045	1.28%	3.47%
100	25	-80.274	-81.479	1.205	-1.50%	4.00%
100	26 U	-80.995	-81.064	0.068	-0.08%	0.23%
100	27 U	-77.477	-77.627	0.150	-0.19%	0.50%
100	28 U	-76.133	-76.156	0.023	-0.03%	0.08%
100	29 U	-79.374	-78.815	-0.559	0.70%	1.86%
100	30 U	-77.720	-77.085	-0.634	0.82%	2.11%
	Max	-76.133	-76.156	3.885	5.93%	16.36%
	Average	-79.353	-79.551	0.198	-0.26%	3.12%
	Min	-83.008	-82.272	-4.925	-4.96%	0.08%
	Std Dev	1.533	1.505	1.395	1.73%	3.45%



VDD=3.1V 2.58G IMD3 dBc1 P	
Test Site	
Tester	
Test Number	
Max Limit	-64.49983513
Min Limit	-94.60203589

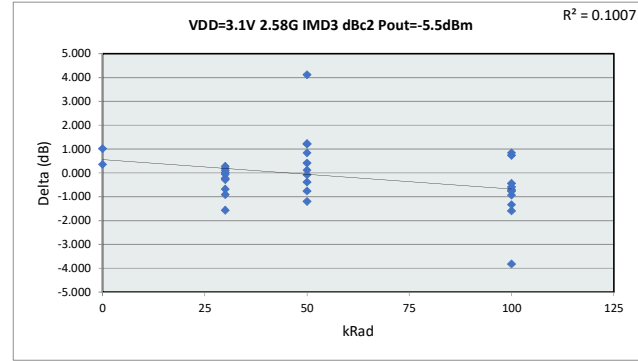
kRad	0	30	50	100
LL	-94.602	-94.602	-94.602	-94.602
Min	-81.121	-81.727	-82.272	-81.479
Average	-80.946	-79.423	-79.870	-79.081
Max	-80.770	-77.759	-78.203	-76.156
UL	-64.500	-64.500	-64.500	-64.500



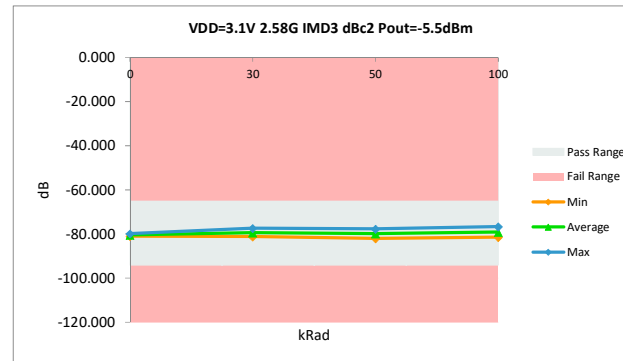
QMLP TID Report
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VDD=3.1V 2.58G IMD3 dBc2 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-64.84761856	-64.84761856
Min Limit	-94.10528567	-94.10528567

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-79.934	-80.966	1.031	-1.29%	3.53%
0	C2	-79.416	-79.785	0.370	-0.47%	1.26%
30	1	-78.246	-77.351	-0.895	1.14%	3.06%
30	2	-79.413	-79.203	-0.210	0.26%	0.72%
30	3	-77.672	-77.797	0.125	-0.16%	0.43%
30	4	-81.745	-81.082	-0.663	0.81%	2.27%
30	5	-80.385	-80.599	0.214	-0.27%	0.73%
30	6 U	-81.187	-81.215	0.029	-0.04%	0.10%
30	7 U	-79.271	-79.234	-0.037	0.05%	0.13%
30	8 U	-80.798	-79.249	-1.549	1.92%	5.29%
30	9 U	-78.880	-78.612	-0.268	0.34%	0.91%
30	10 U	-78.769	-79.058	0.289	-0.37%	0.99%
50	11	-78.392	-79.619	1.227	-1.56%	4.19%
50	12	-80.552	-81.411	0.859	-1.07%	2.93%
50	13	-80.061	-79.695	-0.366	0.46%	1.25%
50	14	-78.227	-78.164	-0.062	0.08%	0.21%
50	15	-76.952	-78.191	1.240	-1.61%	4.24%
50	16 U	-80.529	-79.343	-1.186	1.47%	4.05%
50	17 U	-80.819	-80.947	0.127	-0.16%	0.44%
50	18 U	-78.478	-77.735	-0.743	0.95%	2.54%
50	19 U	-80.358	-80.783	0.425	-0.53%	1.45%
50	20 U	-77.835	-81.972	4.137	-5.32%	14.14%
100	21	-82.748	-78.937	-3.811	4.61%	13.02%
100	22	-81.606	-80.283	-1.323	1.62%	4.52%
100	23	-78.401	-79.257	0.855	-1.09%	2.92%
100	24	-81.564	-80.652	-0.913	1.12%	3.12%
100	25	-80.603	-81.354	0.750	-0.93%	2.56%
100	26 U	-81.795	-81.046	-0.748	0.91%	2.56%
100	27 U	-78.031	-77.339	-0.692	0.89%	2.37%
100	28 U	-77.026	-76.598	-0.428	0.56%	1.46%
100	29 U	-79.490	-78.910	-0.580	0.73%	1.98%
100	30 U	-78.435	-76.858	-1.577	2.01%	5.39%
	Max	-76.952	-76.598	4.137	4.61%	14.14%
	Average	-79.613	-79.476	-0.137	0.16%	2.96%
	Min	-82.748	-81.972	-3.811	-5.32%	0.10%
	Std Dev	1.508	1.463	1.272	1.59%	3.17%



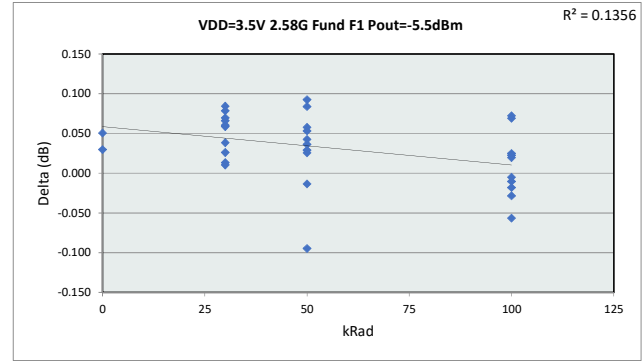
VDD=3.1V 2.58G IMD3 dBc2 Pout=-5.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-64.84761856			dB
Min Limit	-94.10528567			dB
kRad	0	30	50	100
LL	-94.105	-94.105	-94.105	-94.105
Min	-80.966	-81.215	-81.972	-81.354
Average	-80.376	-79.340	-79.786	-79.123
Max	-79.785	-77.351	-77.735	-76.598
UL	-64.848	-64.848	-64.848	-64.848



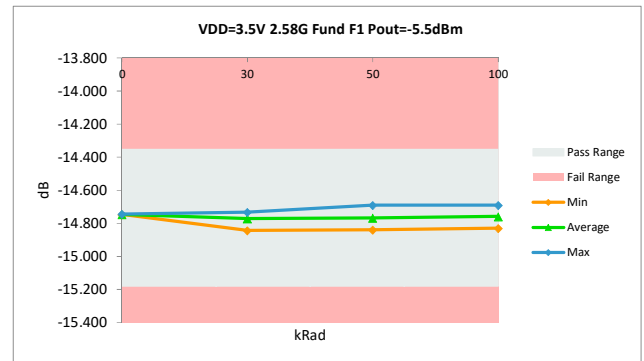
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G Fund F1 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.34907233	-14.34907233
Min Limit	-15.17877705	-15.17877705

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.696	-14.747	0.051	-0.35%	6.16%
0	C2	-14.714	-14.744	0.030	-0.21%	3.64%
30	1	-14.769	-14.828	0.059	-0.40%	7.13%
30	2	-14.699	-14.784	0.085	-0.58%	10.22%
30	3	-14.703	-14.742	0.039	-0.26%	4.68%
30	4	-14.735	-14.749	0.014	-0.09%	1.67%
30	5	-14.759	-14.770	0.011	-0.07%	1.33%
30	6 U	-14.652	-14.731	0.079	-0.54%	9.53%
30	7 U	-14.716	-14.743	0.027	-0.18%	3.20%
30	8 U	-14.718	-14.779	0.061	-0.41%	7.35%
30	9 U	-14.773	-14.843	0.070	-0.47%	8.45%
30	10 U	-14.671	-14.738	0.067	-0.45%	8.02%
50	11	-14.703	-14.690	-0.013	0.09%	1.56%
50	12	-14.743	-14.772	0.030	-0.20%	3.56%
50	13	-14.708	-14.762	0.054	-0.36%	6.46%
50	14	-14.791	-14.817	0.026	-0.18%	3.14%
50	15	-14.780	-14.838	0.058	-0.39%	7.02%
50	16 U	-14.689	-14.732	0.043	-0.29%	5.19%
50	17 U	-14.723	-14.816	0.093	-0.63%	11.21%
50	18 U	-14.729	-14.765	0.037	-0.25%	4.42%
50	19 U	-14.668	-14.753	0.084	-0.58%	10.17%
50	20 U	-14.815	-14.721	-0.094	0.64%	11.34%
100	21	-14.739	-14.812	0.073	-0.49%	8.77%
100	22	-14.749	-14.775	0.025	-0.17%	3.06%
100	23	-14.730	-14.713	-0.018	0.12%	2.12%
100	24	-14.746	-14.690	-0.056	0.38%	6.74%
100	25	-14.782	-14.772	-0.010	0.07%	1.19%
100	26 U	-14.730	-14.750	0.020	-0.14%	2.41%
100	27 U	-14.806	-14.830	0.023	-0.16%	2.78%
100	28 U	-14.724	-14.793	0.070	-0.47%	8.38%
100	29 U	-14.727	-14.722	-0.005	0.03%	0.55%
100	30 U	-14.753	-14.725	-0.028	0.19%	3.37%
	Max	-14.652	-14.690	0.093	0.64%	11.34%
	Average	-14.733	-14.764	0.031	-0.21%	5.46%
	Min	-14.815	-14.843	-0.094	-0.63%	0.55%
	Std Dev	0.039	0.041	0.043	0.29%	3.22%



VDD=3.5V 2.58G Fund F1 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-14.34907233		dB	
Min Limit	-15.17877705		dB	
kRad	0	30	50	100
LL	-15.179	-15.179	-15.179	-15.179
Min	-14.747	-14.843	-14.838	-14.830
Average	-14.745	-14.771	-14.767	-14.758
Max	-14.744	-14.731	-14.690	-14.690
UL	-14.349	-14.349	-14.349	-14.349

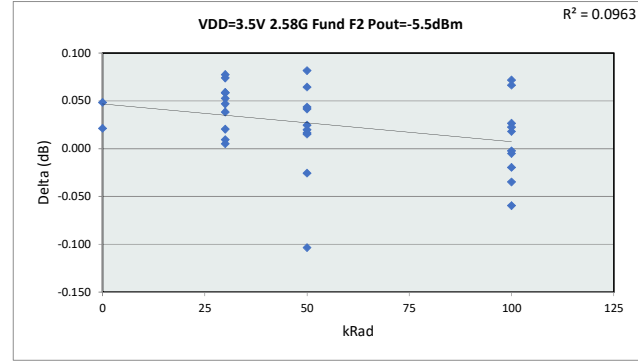


QMLP TID Report

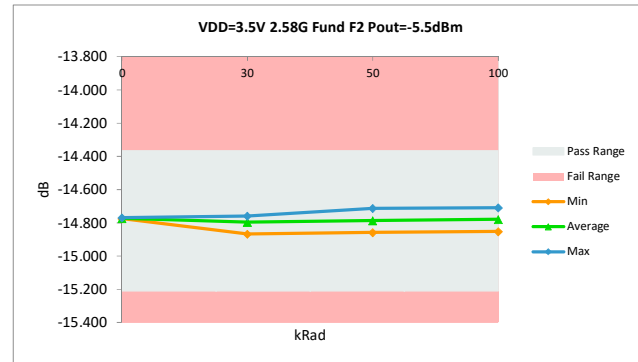
TRF0208 QMLP

VDD=3.5V 2.58G Fund F2 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.36306846	-14.36306846
Min Limit	-15.20944685	-15.20944685

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.727	-14.775	0.049	-0.33%	5.75%
0	C2	-14.748	-14.770	0.022	-0.15%	2.56%
30	1	-14.803	-14.856	0.053	-0.36%	6.25%
30	2	-14.729	-14.807	0.078	-0.53%	9.20%
30	3	-14.732	-14.771	0.039	-0.26%	4.58%
30	4	-14.766	-14.772	0.006	-0.04%	0.66%
30	5	-14.789	-14.799	0.010	-0.07%	1.15%
30	6 U	-14.685	-14.759	0.074	-0.51%	8.80%
30	7 U	-14.746	-14.767	0.021	-0.14%	2.45%
30	8 U	-14.753	-14.801	0.047	-0.32%	5.60%
30	9 U	-14.809	-14.868	0.059	-0.40%	6.95%
30	10 U	-14.699	-14.758	0.059	-0.40%	7.00%
50	11	-14.737	-14.712	-0.025	0.17%	2.96%
50	12	-14.777	-14.794	0.017	-0.11%	1.99%
50	13	-14.738	-14.780	0.042	-0.28%	4.96%
50	14	-14.821	-14.836	0.016	-0.11%	1.84%
50	15	-14.814	-14.858	0.044	-0.30%	5.19%
50	16 U	-14.725	-14.750	0.025	-0.17%	2.95%
50	17 U	-14.758	-14.840	0.082	-0.56%	9.69%
50	18 U	-14.766	-14.787	0.020	-0.14%	2.40%
50	19 U	-14.704	-14.769	0.065	-0.44%	7.66%
50	20 U	-14.840	-14.737	-0.103	0.69%	12.17%
100	21	-14.761	-14.833	0.072	-0.49%	8.54%
100	22	-14.769	-14.796	0.027	-0.18%	3.20%
100	23	-14.751	-14.732	-0.019	0.13%	2.26%
100	24	-14.768	-14.709	-0.059	0.40%	6.97%
100	25	-14.800	-14.795	-0.005	0.03%	0.56%
100	26 U	-14.753	-14.772	0.018	-0.12%	2.17%
100	27 U	-14.830	-14.853	0.023	-0.16%	2.72%
100	28 U	-14.748	-14.815	0.067	-0.45%	7.89%
100	29 U	-14.749	-14.748	-0.002	0.01%	0.22%
100	30 U	-14.777	-14.743	-0.034	0.23%	4.06%
	Max	-14.685	-14.709	0.082	0.69%	12.17%
	Average	-14.762	-14.786	0.025	-0.17%	4.73%
	Min	-14.840	-14.868	-0.103	-0.56%	0.22%
	Std Dev	0.038	0.042	0.041	0.28%	3.08%



VDD=3.5V 2.58G Fund F2 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-14.36306846	dB		
Min Limit	-15.20944685	dB		
kRad	0	30	50	100
LL	-15.209	-15.209	-15.209	-15.209
Min	-14.775	-14.868	-14.858	-14.853
Average	-14.772	-14.796	-14.786	-14.780
Max	-14.770	-14.758	-14.712	-14.709
UL	-14.363	-14.363	-14.363	-14.363

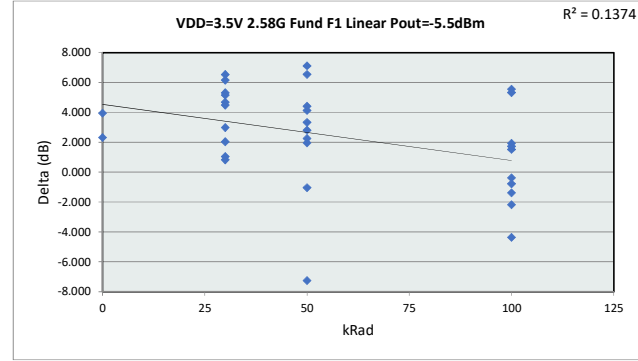


QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G Fund F1 Linea

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	365.7613068	365.7613068
Min Limit	302.0545139	302.0545139

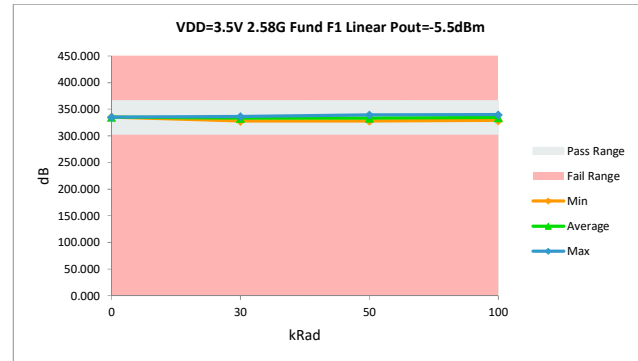
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	339.184	335.215	3.969	1.17%	6.23%
0	C2	337.789	335.449	2.340	0.69%	3.67%
30	1	333.501	328.986	4.514	1.35%	7.09%
30	2	338.894	332.338	6.555	1.93%	10.29%
30	3	338.590	335.575	3.016	0.89%	4.73%
30	4	336.138	335.068	1.070	0.32%	1.68%
30	5	334.294	333.448	0.846	0.25%	1.33%
30	6 U	342.592	336.408	6.184	1.80%	9.71%
30	7 U	337.578	335.519	2.059	0.61%	3.23%
30	8 U	337.422	332.719	4.703	1.39%	7.38%
30	9 U	333.228	327.889	5.339	1.60%	8.38%
30	10 U	341.111	335.924	5.188	1.52%	8.14%
50	11	338.603	339.613	-1.010	-0.30%	1.58%
50	12	335.529	333.253	2.276	0.68%	3.57%
50	13	338.220	334.071	4.149	1.23%	6.51%
50	14	331.842	329.855	1.986	0.60%	3.12%
50	15	332.658	328.226	4.433	1.33%	6.96%
50	16 U	339.685	336.332	3.353	0.99%	5.26%
50	17 U	337.035	329.896	7.139	2.12%	11.21%
50	18 U	336.619	333.789	2.830	0.84%	4.44%
50	19 U	341.335	334.770	6.565	1.92%	10.31%
50	20 U	330.017	337.244	-7.227	-2.19%	11.34%
100	21	335.793	330.215	5.578	1.66%	8.76%
100	22	335.020	333.065	1.956	0.58%	3.07%
100	23	336.495	337.858	-1.363	-0.40%	2.14%
100	24	335.255	339.599	-4.344	-1.30%	6.82%
100	25	332.479	333.237	-0.758	-0.23%	1.19%
100	26 U	336.530	334.985	1.545	0.46%	2.42%
100	27 U	330.642	328.888	1.754	0.53%	2.75%
100	28 U	336.990	331.639	5.351	1.59%	8.40%
100	29 U	336.746	337.102	-0.356	-0.11%	0.56%
100	30 U	334.716	336.877	-2.161	-0.65%	3.39%
	Max	342.592	339.613	7.139	2.12%	11.34%
	Average	336.329	333.908	2.421	0.72%	5.49%
	Min	330.017	327.889	-7.227	-2.19%	0.56%
	Std Dev	3.016	3.185	3.290	0.98%	3.24%



VDD=3.5V 2.58G Fund F1 Line

Test Site		
Tester		
Test Number		
Max Limit	365.7613068	dB
Min Limit	302.0545139	dB

kRad	0	30	50	100
LL	302.055	302.055	302.055	302.055
Min	335.215	327.889	328.226	328.888
Average	335.332	333.387	333.705	334.347
Max	335.449	336.408	339.613	339.599
UL	365.761	365.761	365.761	365.761

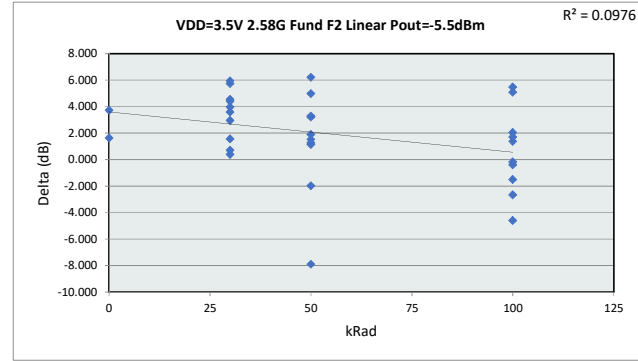


QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G Fund F2 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	364.5274373	364.5274373
Min Limit	299.8642539	299.8642539

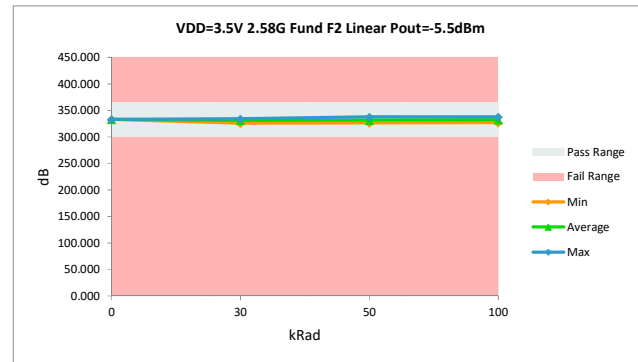
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	336.767	333.012	3.755	1.12%	5.81%
0	C2	335.124	333.459	1.666	0.50%	2.58%
30	1	330.896	326.887	4.009	1.21%	6.20%
30	2	336.611	330.629	5.982	1.78%	9.25%
30	3	336.359	333.372	2.987	0.89%	4.62%
30	4	333.723	333.293	0.430	0.13%	0.67%
30	5	331.956	331.211	0.745	0.22%	1.15%
30	6 U	340.051	334.271	5.780	1.70%	8.94%
30	7 U	335.269	333.670	1.599	0.48%	2.47%
30	8 U	334.698	331.067	3.631	1.08%	5.61%
30	9 U	330.427	325.983	4.443	1.34%	6.87%
30	10 U	338.904	334.315	4.589	1.35%	7.10%
50	11	335.950	337.892	-1.941	-0.58%	3.00%
50	12	332.911	331.622	1.288	0.39%	1.99%
50	13	335.884	332.653	3.230	0.96%	5.00%
50	14	329.569	328.389	1.180	0.36%	1.82%
50	15	330.030	326.710	3.320	1.01%	5.13%
50	16 U	336.897	334.962	1.934	0.57%	2.99%
50	17 U	334.326	328.071	6.256	1.87%	9.67%
50	18 U	333.701	332.146	1.555	0.47%	2.41%
50	19 U	338.529	333.515	5.014	1.48%	7.75%
50	20 U	328.116	335.989	-7.874	-2.40%	12.18%
100	21	334.121	328.603	5.517	1.65%	8.53%
100	22	333.515	331.444	2.071	0.62%	3.20%
100	23	334.916	336.394	-1.478	-0.44%	2.29%
100	24	333.564	338.123	-4.559	-1.37%	7.05%
100	25	331.117	331.479	-0.361	-0.11%	0.56%
100	26 U	334.710	333.300	1.411	0.42%	2.18%
100	27 U	328.858	327.120	1.739	0.53%	2.69%
100	28 U	335.120	330.004	5.116	1.53%	7.91%
100	29 U	335.013	335.157	-0.144	-0.04%	0.22%
100	30 U	332.885	335.526	-2.641	-0.79%	4.08%
	Max	340.051	338.123	6.256	1.87%	12.18%
	Average	334.079	332.196	1.883	0.56%	4.75%
	Min	328.116	325.983	-7.874	-2.40%	0.22%
	Std Dev	2.886	3.233	3.171	0.95%	3.09%



VDD=3.5V 2.58G Fund F2 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	364.5274373	364.5274373
Min Limit	299.8642539	299.8642539

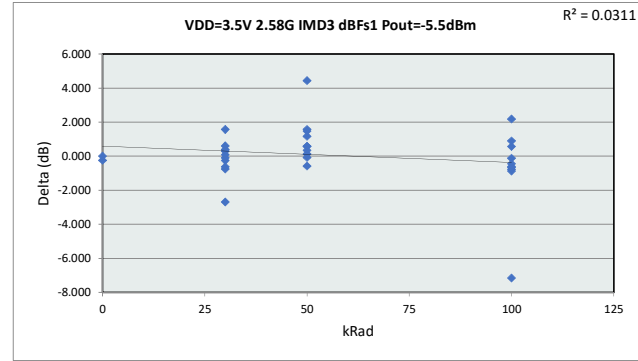
kRad	0	30	50	100
LL	299.864	299.864	299.864	299.864
Min	333.012	325.983	326.710	327.120
Average	333.235	331.470	332.195	332.715
Max	333.459	334.315	337.892	338.123
UL	364.527	364.527	364.527	364.527



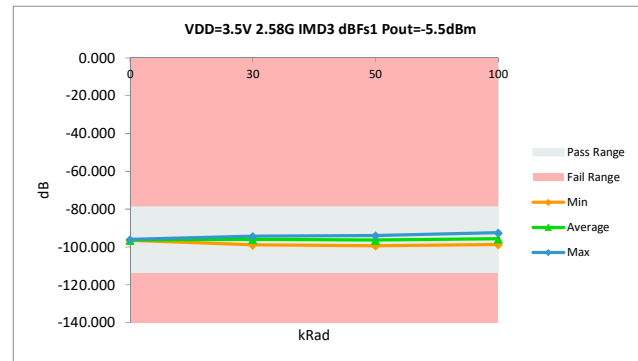
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G IMD3 dBFs1 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-78.42715435	-78.42715435
Min Limit	-113.4641654	-113.4641654

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-96.729	-96.506	-0.223	0.23%	0.64%
0	C2	-95.945	-95.978	0.033	-0.03%	0.09%
30	1	-93.880	-94.286	0.406	-0.43%	1.16%
30	2	-95.440	-95.756	0.316	-0.33%	0.90%
30	3	-93.862	-95.452	1.590	-1.69%	4.54%
30	4	-98.301	-98.921	0.620	-0.63%	1.77%
30	5	-98.008	-97.277	-0.730	0.75%	2.08%
30	6 U	-98.484	-97.882	-0.602	0.61%	1.72%
30	7 U	-94.239	-94.348	0.109	-0.12%	0.31%
30	8 U	-97.693	-95.025	-2.667	2.73%	7.61%
30	9 U	-95.161	-94.933	-0.228	0.24%	0.65%
30	10 U	-95.299	-95.227	-0.072	0.08%	0.21%
50	11	-94.699	-95.883	1.183	-1.25%	3.38%
50	12	-96.944	-98.435	1.492	-1.54%	4.26%
50	13	-95.330	-95.930	0.600	-0.63%	1.71%
50	14	-94.426	-94.581	0.155	-0.16%	0.44%
50	15	-93.760	-94.130	0.369	-0.39%	1.05%
50	16 U	-96.224	-95.665	-0.559	0.58%	1.59%
50	17 U	-96.882	-98.476	1.594	-1.65%	4.55%
50	18 U	-93.963	-93.910	-0.053	0.06%	0.15%
50	19 U	-95.846	-96.446	0.601	-0.63%	1.71%
50	20 U	-94.846	-99.303	4.457	-4.70%	12.72%
100	21	-102.140	-95.009	-7.132	6.98%	20.35%
100	22	-97.605	-97.176	-0.429	0.44%	1.22%
100	23	-95.230	-95.133	-0.096	0.10%	0.28%
100	24	-97.700	-96.942	-0.759	0.78%	2.16%
100	25	-96.538	-98.741	2.203	-2.28%	6.29%
100	26 U	-97.229	-97.816	0.587	-0.60%	1.68%
100	27 U	-93.337	-94.256	0.920	-0.99%	2.62%
100	28 U	-93.324	-92.474	-0.850	0.91%	2.43%
100	29 U	-95.940	-95.293	-0.647	0.67%	1.85%
100	30 U	-93.665	-93.070	-0.595	0.64%	1.70%
Max		-93.324	-92.474	4.457	6.98%	20.35%
Average		-95.896	-95.946	0.050	-0.07%	2.93%
Min		-102.140	-99.303	-7.132	-4.70%	0.09%
Std Dev		1.921	1.752	1.775	1.79%	4.10%



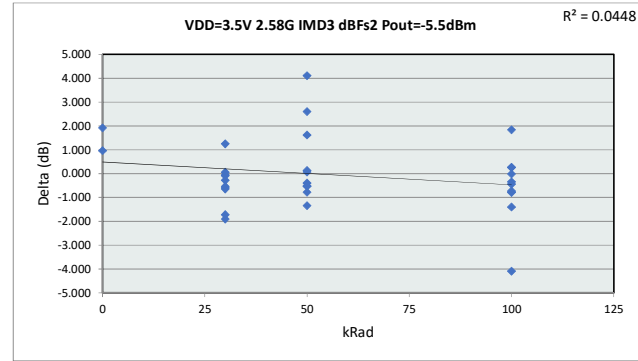
VDD=3.5V 2.58G IMD3 dBFs1				
Test Site				
Tester				
Test Number				
Max Limit	-78.42715435		dB	
Min Limit	-113.4641654		dB	
kRad	0	30	50	100
LL	-113.464	-113.464	-113.464	-113.464
Min	-96.506	-98.921	-99.303	-98.741
Average	-96.242	-95.911	-96.276	-95.591
Max	-95.978	-94.286	-93.910	-92.474
UL	-78.427	-78.427	-78.427	-78.427



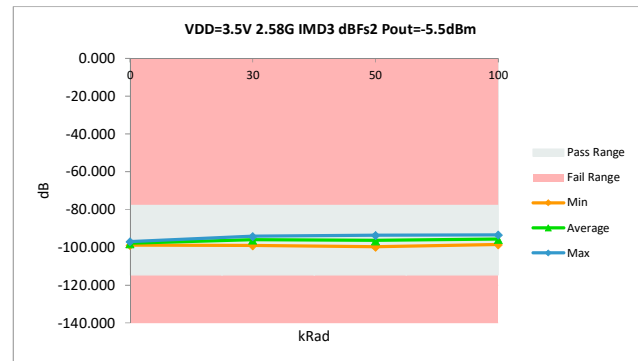
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G IMD3 dBFs2 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-77.60726561	-77.60726561
Min Limit	-114.563053	-114.563053

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-96.843	-98.781	1.938	-2.00%	5.24%
0	C2	-95.937	-96.913	0.976	-1.02%	2.64%
30	1	-94.605	-94.535	-0.070	0.07%	0.19%
30	2	-95.859	-95.295	-0.563	0.59%	1.52%
30	3	-94.821	-94.554	-0.267	0.28%	0.72%
30	4	-97.597	-97.561	-0.036	0.04%	0.10%
30	5	-97.721	-98.989	1.268	-1.30%	3.43%
30	6 U	-98.639	-98.013	-0.626	0.63%	1.69%
30	7 U	-95.387	-95.462	0.076	-0.08%	0.20%
30	8 U	-96.739	-95.032	-1.708	1.77%	4.62%
30	9 U	-96.051	-94.159	-1.892	1.97%	5.12%
30	10 U	-96.031	-95.506	-0.524	0.55%	1.42%
50	11	-95.127	-97.743	2.616	-2.75%	7.08%
50	12	-97.267	-98.905	1.639	-1.68%	4.43%
50	13	-96.450	-95.948	-0.502	0.52%	1.36%
50	14	-94.058	-94.202	0.145	-0.15%	0.39%
50	15	-94.298	-93.532	-0.766	0.81%	2.07%
50	16 U	-96.507	-96.590	0.083	-0.09%	0.22%
50	17 U	-98.213	-96.885	-1.328	1.35%	3.59%
50	18 U	-94.417	-93.905	-0.512	0.54%	1.39%
50	19 U	-96.640	-96.267	-0.373	0.39%	1.01%
50	20 U	-95.608	-99.735	4.128	-4.32%	11.17%
100	21	-99.733	-95.663	-4.069	4.08%	11.01%
100	22	-97.574	-97.575	0.001	0.00%	0.00%
100	23	-95.437	-95.106	-0.331	0.35%	0.90%
100	24	-96.647	-98.498	1.850	-1.91%	5.01%
100	25	-97.524	-96.751	-0.773	0.79%	2.09%
100	26 U	-96.877	-97.150	0.273	-0.28%	0.74%
100	27 U	-94.213	-93.500	-0.713	0.76%	1.93%
100	28 U	-93.118	-93.401	0.282	-0.30%	0.76%
100	29 U	-96.592	-95.213	-1.379	1.43%	3.73%
100	30 U	-93.778	-93.354	-0.424	0.45%	1.15%
	Max	-93.118	-93.354	4.128	4.08%	11.17%
	Average	-96.135	-96.085	-0.049	0.05%	2.72%
	Min	-99.733	-99.735	-4.069	-4.32%	0.00%
	Std Dev	1.517	1.848	1.468	1.51%	2.86%



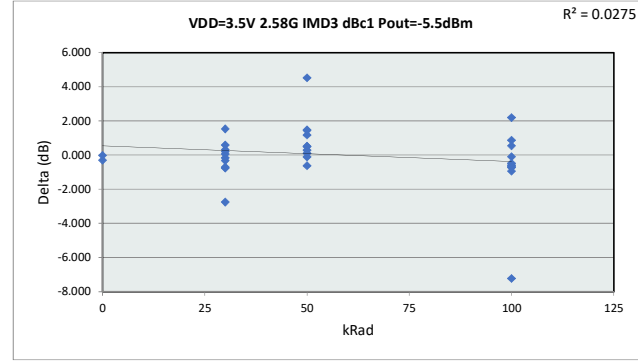
VDD=3.5V 2.58G IMD3 dBFs2				
Test Site				
Tester				
Test Number				
Max Limit	-77.60726561		dB	
Min Limit	-114.563053		dB	
kRad	0	30	50	100
LL	-114.563	-114.563	-114.563	-114.563
Min	-98.781	-98.989	-99.735	-98.498
Average	-97.847	-95.911	-96.371	-95.621
Max	-96.913	-94.159	-93.532	-93.354
UL	-77.607	-77.607	-77.607	-77.607



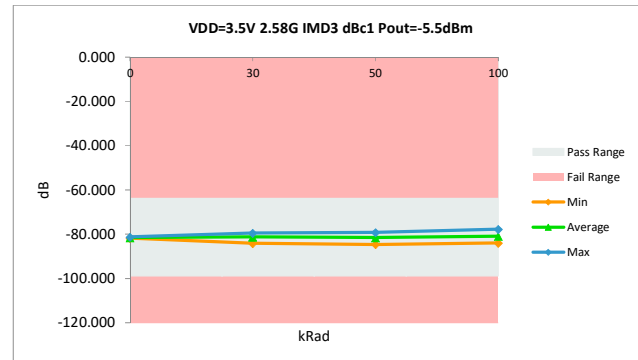
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G IMD3 dBc1 Pout=-5.5dBm		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-63.55049042	-63.55049042
Min Limit	-98.81297966	-98.81297966

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-82.033	-81.759	-0.274	0.33%	0.78%
0	C2	-81.231	-81.235	0.003	0.00%	0.01%
30	1	-79.111	-79.458	0.346	-0.44%	0.98%
30	2	-80.740	-80.971	0.231	-0.29%	0.66%
30	3	-79.158	-80.710	1.551	-1.96%	4.40%
30	4	-83.567	-84.173	0.606	-0.73%	1.72%
30	5	-83.249	-82.508	-0.741	0.89%	2.10%
30	6 U	-83.832	-83.151	-0.681	0.81%	1.93%
30	7 U	-79.523	-79.605	0.083	-0.10%	0.23%
30	8 U	-82.974	-80.246	-2.728	3.29%	7.74%
30	9 U	-80.389	-80.090	-0.298	0.37%	0.85%
30	10 U	-80.628	-80.489	-0.138	0.17%	0.39%
50	11	-79.996	-81.192	1.196	-1.50%	3.39%
50	12	-82.201	-83.663	1.462	-1.78%	4.15%
50	13	-80.622	-81.168	0.547	-0.68%	1.55%
50	14	-79.635	-79.765	0.129	-0.16%	0.37%
50	15	-78.980	-79.291	0.311	-0.39%	0.88%
50	16 U	-81.535	-80.933	-0.602	0.74%	1.71%
50	17 U	-82.159	-83.660	1.501	-1.83%	4.26%
50	18 U	-79.235	-79.145	-0.090	0.11%	0.25%
50	19 U	-81.177	-81.694	0.516	-0.64%	1.46%
50	20 U	-80.032	-84.582	4.551	-5.69%	12.91%
100	21	-87.401	-80.196	-7.204	8.24%	20.43%
100	22	-82.855	-82.401	-0.454	0.55%	1.29%
100	23	-80.500	-80.421	-0.079	0.10%	0.22%
100	24	-82.954	-82.251	-0.703	0.85%	1.99%
100	25	-81.755	-83.969	2.213	-2.71%	6.28%
100	26 U	-82.500	-83.067	0.567	-0.69%	1.61%
100	27 U	-78.530	-79.427	0.896	-1.14%	2.54%
100	28 U	-78.600	-77.680	-0.920	1.17%	2.61%
100	29 U	-81.213	-80.571	-0.642	0.79%	1.82%
100	30 U	-78.912	-78.345	-0.567	0.72%	1.61%
Max		-78.530	-77.680	4.551	8.24%	20.43%
Average		-81.163	-81.182	0.018	-0.05%	2.91%
Min		-87.401	-84.582	-7.204	-5.69%	0.01%
Std Dev		1.929	1.763	1.790	2.13%	4.13%



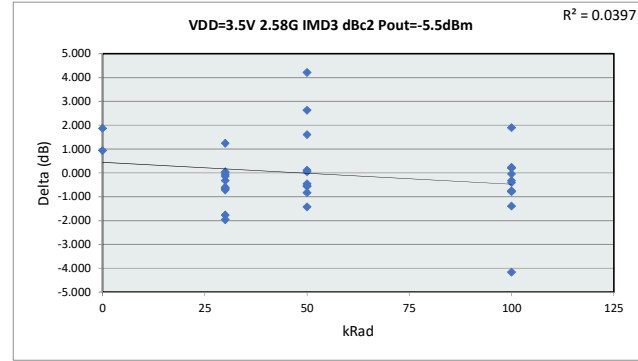
VDD=3.5V 2.58G IMD3 dBc1 Pout=-5.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-63.55049042			dB
Min Limit	-98.81297966			dB
kRad	0	30	50	100
LL	-98.813	-98.813	-98.813	-98.813
Min	-81.759	-84.173	-84.582	-83.969
Average	-81.497	-81.140	-81.509	-80.833
Max	-81.235	-79.458	-79.145	-77.680
UL	-63.550	-63.550	-63.550	-63.550



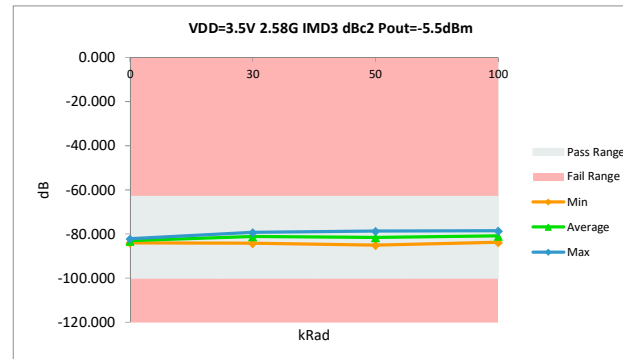
QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G IMD3 dBc2 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-62.62379176	-62.62379176
Min Limit	-99.97400945	-99.97400945

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-82.116	-84.005	1.889	-2.30%	5.06%
0	C2	-81.189	-82.143	0.955	-1.18%	2.56%
30	1	-79.802	-79.679	-0.123	0.15%	0.33%
30	2	-81.130	-80.488	-0.641	0.79%	1.72%
30	3	-80.089	-79.784	-0.306	0.38%	0.82%
30	4	-82.831	-82.789	-0.041	0.05%	0.11%
30	5	-82.932	-84.190	1.258	-1.52%	3.37%
30	6 U	-83.955	-83.254	-0.700	0.83%	1.88%
30	7 U	-80.641	-80.696	0.055	-0.07%	0.15%
30	8 U	-81.986	-80.231	-1.755	2.14%	4.70%
30	9 U	-81.242	-79.291	-1.951	2.40%	5.22%
30	10 U	-81.331	-80.748	-0.583	0.72%	1.56%
50	11	-80.390	-83.030	2.641	-3.28%	7.07%
50	12	-82.490	-84.112	1.622	-1.97%	4.34%
50	13	-81.712	-81.168	-0.544	0.67%	1.46%
50	14	-79.237	-79.366	0.129	-0.16%	0.35%
50	15	-79.483	-78.673	-0.810	1.02%	2.17%
50	16 U	-81.782	-81.840	0.058	-0.07%	0.16%
50	17 U	-83.455	-82.044	-1.410	1.69%	3.78%
50	18 U	-79.651	-79.118	-0.533	0.67%	1.43%
50	19 U	-81.936	-81.498	-0.437	0.53%	1.17%
50	20 U	-80.768	-84.999	4.231	-5.24%	11.33%
100	21	-84.972	-80.830	-4.142	4.87%	11.09%
100	22	-82.805	-82.779	-0.027	0.03%	0.07%
100	23	-80.687	-80.375	-0.312	0.39%	0.83%
100	24	-81.879	-83.789	1.909	-2.33%	5.11%
100	25	-82.724	-81.956	-0.768	0.93%	2.06%
100	26 U	-82.124	-82.378	0.254	-0.31%	0.68%
100	27 U	-79.383	-78.648	-0.736	0.93%	1.97%
100	28 U	-78.370	-78.586	0.215	-0.27%	0.58%
100	29 U	-81.843	-80.465	-1.377	1.68%	3.69%
100	30 U	-79.001	-78.611	-0.390	0.49%	1.04%
	Max	-78.370	-78.586	4.231	4.87%	11.33%
	Average	-81.373	-81.299	-0.074	0.08%	2.74%
	Min	-84.972	-84.999	-4.142	-5.24%	0.07%
	Std Dev	1.529	1.868	1.495	1.82%	2.88%



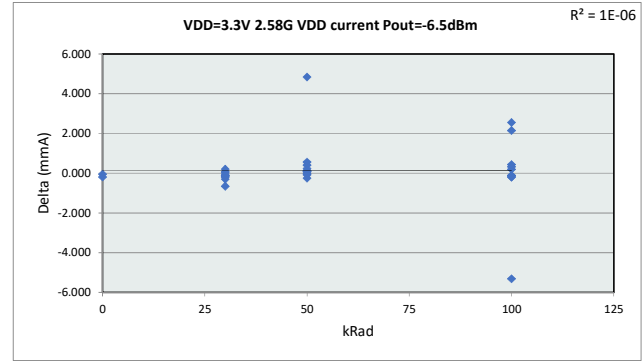
VDD=3.5V 2.58G IMD3 dBc2 Pout=-5.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-62.62379176	dB		
Min Limit	-99.97400945	dB		
kRad	0	30	50	100
LL	-99.974	-99.974	-99.974	-99.974
Min	-84.005	-84.190	-84.999	-83.789
Average	-83.074	-81.115	-81.585	-80.842
Max	-82.143	-79.291	-78.673	-78.586
UL	-62.624	-62.624	-62.624	-62.624



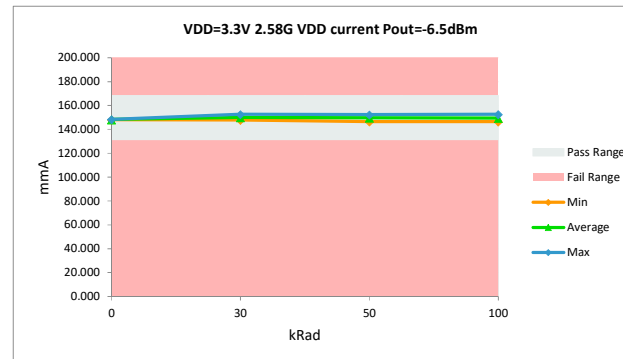
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G VDD current P		
Test Site		
Tester		
Test Number		
Unit	mmA	mmA
Max Limit	168.2442165	168.2442165
Min Limit	131.0497002	131.0497002

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	148.319	148.491	-0.172	-0.12%	0.46%
0	C2	148.047	148.074	-0.027	-0.02%	0.07%
30	1	149.786	149.871	-0.085	-0.06%	0.23%
30	2	149.603	149.693	-0.090	-0.06%	0.24%
30	3	152.388	152.668	-0.280	-0.18%	0.75%
30	4	147.625	147.805	-0.180	-0.12%	0.48%
30	5	152.057	151.952	0.105	0.07%	0.28%
30	6 U	148.758	148.901	-0.143	-0.10%	0.39%
30	7 U	149.939	149.719	0.220	0.15%	0.59%
30	8 U	148.239	148.880	-0.641	-0.43%	1.72%
30	9 U	151.280	151.357	-0.077	-0.05%	0.21%
30	10 U	149.899	149.858	0.041	0.03%	0.11%
50	11	149.030	148.453	0.577	0.39%	1.55%
50	12	152.365	151.935	0.430	0.28%	1.16%
50	13	148.859	148.740	0.119	0.08%	0.32%
50	14	150.319	150.171	0.147	0.10%	0.40%
50	15	152.386	152.266	0.119	0.08%	0.32%
50	16 U	146.246	146.477	-0.231	-0.16%	0.62%
50	17 U	150.230	150.284	-0.054	-0.04%	0.15%
50	18 U	151.599	151.343	0.256	0.17%	0.69%
50	19 U	149.792	149.768	0.024	0.02%	0.06%
50	20 U	152.623	147.760	4.863	3.19%	13.08%
100	21	147.202	152.492	-5.290	-3.59%	14.22%
100	22	148.406	148.066	0.340	0.23%	0.91%
100	23	148.731	148.280	0.451	0.30%	1.21%
100	24	149.121	146.550	2.571	1.72%	6.91%
100	25	150.282	148.114	2.168	1.44%	5.83%
100	26 U	146.982	147.076	-0.093	-0.06%	0.25%
100	27 U	152.722	152.504	0.219	0.14%	0.59%
100	28 U	152.378	152.556	-0.178	-0.12%	0.48%
100	29 U	148.195	148.301	-0.106	-0.07%	0.29%
100	30 U	150.140	150.299	-0.159	-0.11%	0.43%
	Max	152.722	152.668	4.863	3.19%	14.22%
	Average	149.798	149.647	0.151	0.10%	1.72%
	Min	146.246	146.477	-5.290	-3.59%	0.06%
	Std Dev	1.822	1.860	1.437	0.96%	3.47%



VDD=3.3V 2.58G VDD current P				
Test Site				
Tester				
Test Number				
Max Limit	168.2442165	mmA		
Min Limit	131.0497002	mmA		
kRad	0	30	50	100
LL	131.050	131.050	131.050	131.050
Min	148.074	147.805	146.477	146.550
Average	148.282	150.070	149.720	149.424
Max	148.491	152.668	152.266	152.556
UL	168.244	168.244	168.244	168.244

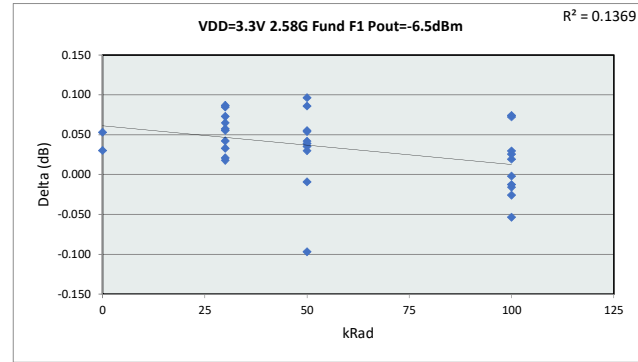


QMLP TID Report

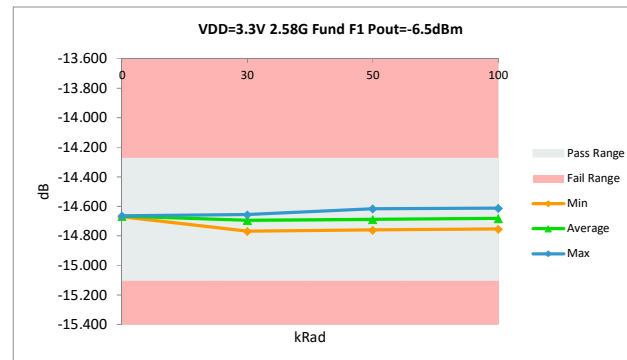
TRF0208 QMLP

VDD=3.3V 2.58G Fund F1 Pout=	
Test Site	
Tester	
Test Number	
Unit	
Max Limit	-14.2730873
Min Limit	-15.10056367

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.617	-14.670	0.054	-0.37%	6.47%
0	C2	-14.633	-14.664	0.031	-0.21%	3.72%
30	1	-14.693	-14.751	0.058	-0.39%	6.99%
30	2	-14.623	-14.709	0.085	-0.58%	10.32%
30	3	-14.625	-14.667	0.043	-0.29%	5.17%
30	4	-14.652	-14.671	0.018	-0.13%	2.24%
30	5	-14.674	-14.695	0.022	-0.15%	2.60%
30	6 U	-14.570	-14.657	0.087	-0.60%	10.55%
30	7 U	-14.637	-14.670	0.034	-0.23%	4.05%
30	8 U	-14.642	-14.698	0.056	-0.38%	6.76%
30	9 U	-14.694	-14.768	0.073	-0.50%	8.88%
30	10 U	-14.593	-14.658	0.065	-0.45%	7.90%
50	11	-14.625	-14.616	-0.009	0.06%	1.05%
50	12	-14.658	-14.694	0.036	-0.25%	4.35%
50	13	-14.629	-14.684	0.055	-0.37%	6.60%
50	14	-14.709	-14.739	0.031	-0.21%	3.69%
50	15	-14.704	-14.760	0.056	-0.38%	6.72%
50	16 U	-14.614	-14.656	0.042	-0.29%	5.13%
50	17 U	-14.641	-14.738	0.097	-0.66%	11.72%
50	18 U	-14.650	-14.690	0.040	-0.27%	4.79%
50	19 U	-14.589	-14.675	0.087	-0.59%	10.48%
50	20 U	-14.736	-14.640	-0.096	0.65%	11.64%
100	21	-14.658	-14.733	0.075	-0.51%	9.02%
100	22	-14.666	-14.696	0.030	-0.21%	3.65%
100	23	-14.648	-14.633	-0.015	0.10%	1.84%
100	24	-14.665	-14.613	-0.053	0.36%	6.39%
100	25	-14.705	-14.693	-0.012	0.08%	1.45%
100	26 U	-14.651	-14.671	0.020	-0.14%	2.41%
100	27 U	-14.728	-14.754	0.026	-0.18%	3.15%
100	28 U	-14.644	-14.717	0.073	-0.50%	8.79%
100	29 U	-14.648	-14.647	-0.001	0.01%	0.16%
100	30 U	-14.676	-14.651	-0.025	0.17%	3.04%
	Max	-14.570	-14.613	0.097	0.65%	11.72%
	Average	-14.653	-14.687	0.034	-0.23%	5.68%
	Min	-14.736	-14.768	-0.096	-0.66%	0.16%
	Std Dev	0.039	0.041	0.043	0.29%	3.26%



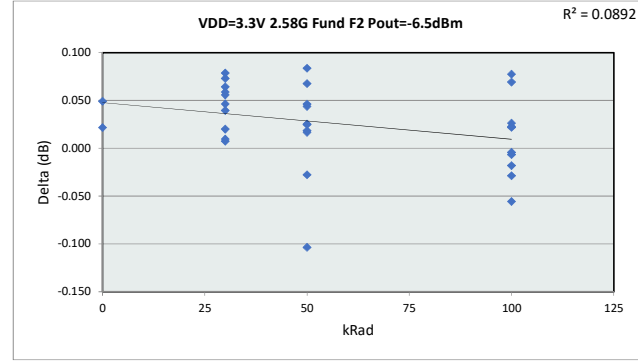
VDD=3.3V 2.58G Fund F1 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-14.2730873			dB
Min Limit	-15.10056367			dB
kRad	0	30	50	100
LL	-15.101	-15.101	-15.101	-15.101
Min	-14.670	-14.768	-14.760	-14.754
Average	-14.667	-14.694	-14.689	-14.681
Max	-14.664	-14.657	-14.616	-14.613
UL	-14.273	-14.273	-14.273	-14.273



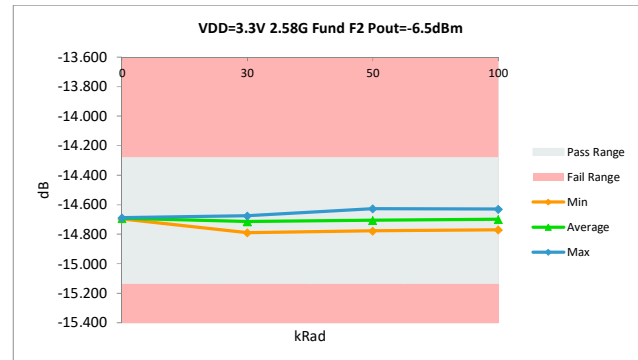
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G Fund F2 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.27844935	-14.27844935
Min Limit	-15.1309439	-15.1309439

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.646	-14.695	0.049	-0.34%	5.81%
0	C2	-14.665	-14.687	0.022	-0.15%	2.60%
30	1	-14.720	-14.776	0.056	-0.38%	6.58%
30	2	-14.648	-14.727	0.079	-0.54%	9.28%
30	3	-14.649	-14.689	0.040	-0.27%	4.69%
30	4	-14.683	-14.691	0.008	-0.05%	0.91%
30	5	-14.704	-14.714	0.010	-0.07%	1.17%
30	6 U	-14.601	-14.675	0.073	-0.50%	8.62%
30	7 U	-14.665	-14.685	0.020	-0.14%	2.40%
30	8 U	-14.671	-14.717	0.047	-0.32%	5.48%
30	9 U	-14.724	-14.789	0.065	-0.44%	7.59%
30	10 U	-14.618	-14.677	0.059	-0.40%	6.94%
50	11	-14.654	-14.627	-0.027	0.19%	3.22%
50	12	-14.692	-14.709	0.017	-0.12%	1.99%
50	13	-14.655	-14.699	0.044	-0.30%	5.19%
50	14	-14.736	-14.755	0.019	-0.13%	2.21%
50	15	-14.731	-14.778	0.047	-0.32%	5.46%
50	16 U	-14.646	-14.671	0.025	-0.17%	2.97%
50	17 U	-14.674	-14.758	0.084	-0.57%	9.85%
50	18 U	-14.682	-14.708	0.026	-0.17%	3.00%
50	19 U	-14.619	-14.687	0.068	-0.47%	7.98%
50	20 U	-14.758	-14.654	-0.103	0.70%	12.12%
100	21	-14.676	-14.754	0.078	-0.53%	9.12%
100	22	-14.686	-14.713	0.027	-0.18%	3.12%
100	23	-14.667	-14.650	-0.018	0.12%	2.07%
100	24	-14.684	-14.629	-0.055	0.38%	6.48%
100	25	-14.720	-14.713	-0.006	0.04%	0.74%
100	26 U	-14.667	-14.690	0.022	-0.15%	2.60%
100	27 U	-14.747	-14.770	0.023	-0.16%	2.71%
100	28 U	-14.664	-14.733	0.070	-0.47%	8.16%
100	29 U	-14.669	-14.665	-0.004	0.03%	0.44%
100	30 U	-14.694	-14.665	-0.028	0.19%	3.34%
	Max	-14.601	-14.627	0.084	0.70%	12.12%
	Average	-14.679	-14.705	0.026	-0.18%	4.84%
	Min	-14.758	-14.789	-0.103	-0.57%	0.44%
	Std Dev	0.037	0.043	0.042	0.28%	3.08%



VDD=3.3V 2.58G Fund F2 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-14.27844935		dB	
Min Limit	-15.1309439		dB	
kRad	0	30	50	100
LL	-15.131	-15.131	-15.131	-15.131
Min	-14.695	-14.789	-14.778	-14.770
Average	-14.691	-14.714	-14.704	-14.698
Max	-14.687	-14.675	-14.627	-14.629
UL	-14.278	-14.278	-14.278	-14.278

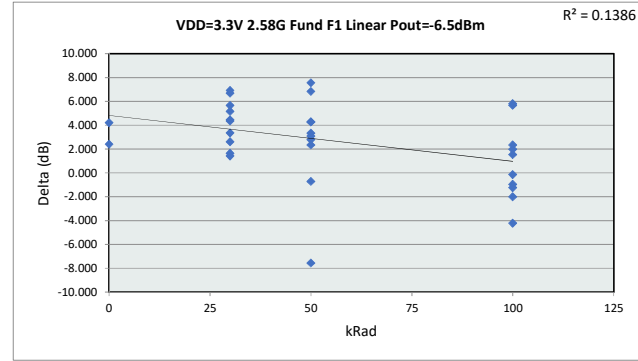


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G Fund F1 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	372.2219753	372.2219753
Min Limit	307.5551072	307.5551072

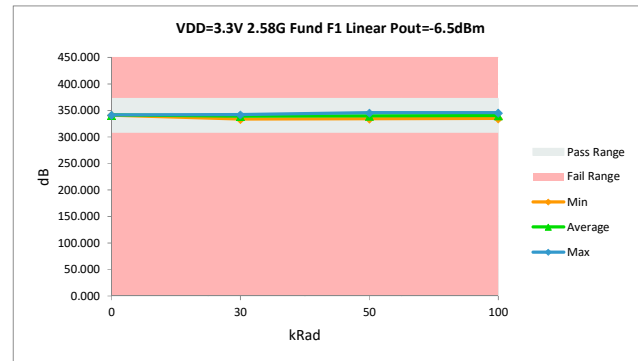
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	345.391	341.158	4.233	1.23%	6.55%
0	C2	344.106	341.676	2.429	0.71%	3.76%
30	1	339.357	334.868	4.488	1.32%	6.94%
30	2	344.895	338.181	6.714	1.95%	10.38%
30	3	344.772	341.392	3.380	0.98%	5.23%
30	4	342.589	341.132	1.456	0.43%	2.25%
30	5	340.885	339.199	1.686	0.49%	2.61%
30	6 U	349.178	342.227	6.951	1.99%	10.75%
30	7 U	343.822	341.177	2.645	0.77%	4.09%
30	8 U	343.423	339.031	4.392	1.28%	6.79%
30	9 U	339.285	333.593	5.692	1.68%	8.80%
30	10 U	347.294	342.107	5.187	1.49%	8.02%
50	11	344.762	345.452	-0.690	-0.20%	1.07%
50	12	342.159	339.334	2.826	0.83%	4.37%
50	13	344.425	340.120	4.305	1.25%	6.66%
50	14	338.164	335.796	2.369	0.70%	3.66%
50	15	338.504	334.194	4.309	1.27%	6.66%
50	16 U	345.654	342.289	3.365	0.97%	5.20%
50	17 U	343.452	335.866	7.586	2.21%	11.73%
50	18 U	342.755	339.639	3.116	0.91%	4.82%
50	19 U	347.642	340.772	6.871	1.98%	10.62%
50	20 U	336.015	343.552	-7.537	-2.24%	11.65%
100	21	342.120	336.289	5.831	1.70%	9.02%
100	22	341.498	339.134	2.364	0.69%	3.66%
100	23	342.903	344.109	-1.205	-0.35%	1.86%
100	24	341.556	345.738	-4.182	-1.22%	6.47%
100	25	338.486	339.420	-0.934	-0.28%	1.44%
100	26 U	342.688	341.117	1.570	0.46%	2.43%
100	27 U	336.682	334.665	2.016	0.60%	3.12%
100	28 U	343.214	337.513	5.701	1.66%	8.82%
100	29 U	342.897	343.004	-0.106	-0.03%	0.16%
100	30 U	340.710	342.691	-1.980	-0.58%	3.06%
	Max	349.178	345.738	7.586	2.21%	11.73%
	Average	342.540	339.889	2.652	0.77%	5.71%
	Min	336.015	333.593	-7.537	-2.24%	0.16%
	Std Dev	3.080	3.233	3.362	0.98%	3.28%



VDD=3.3V 2.58G Fund F1 Line

Test Site		
Tester		
Test Number		
Max Limit	372.2219753	dB
Min Limit	307.5551072	dB

kRad	0	30	50	100
LL	307.555	307.555	307.555	307.555
Min	341.158	333.593	334.194	334.665
Average	341.417	339.291	339.701	340.368
Max	341.676	342.227	345.452	345.738
UL	372.222	372.222	372.222	372.222

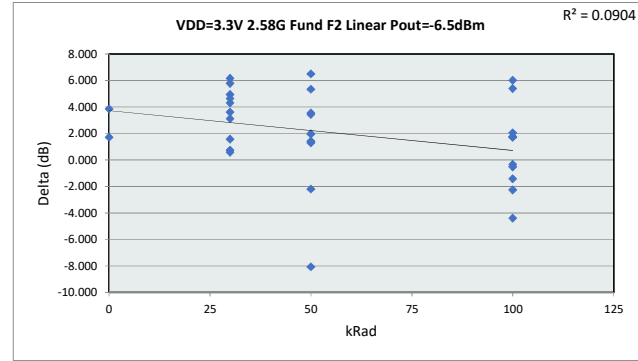


QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G Fund F2 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	371.6739669	371.6739669
Min Limit	305.313416	305.313416

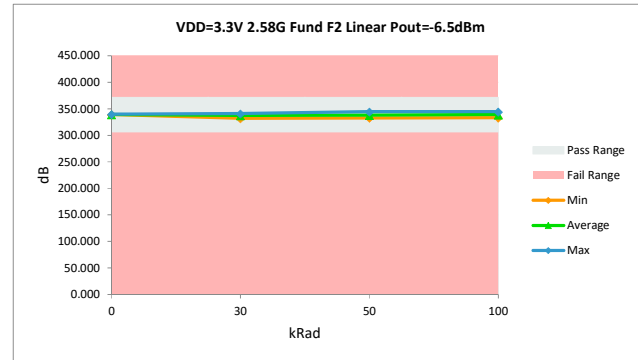
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	343.099	339.211	3.887	1.13%	5.86%
0	C2	341.591	339.855	1.736	0.51%	2.62%
30	1	337.306	332.975	4.331	1.28%	6.53%
30	2	342.937	336.745	6.192	1.81%	9.33%
30	3	342.810	339.667	3.142	0.92%	4.73%
30	4	340.142	339.537	0.605	0.18%	0.91%
30	5	338.504	337.729	0.775	0.23%	1.17%
30	6 U	346.618	340.801	5.817	1.68%	8.77%
30	7 U	341.590	339.986	1.604	0.47%	2.42%
30	8 U	341.130	337.483	3.647	1.07%	5.50%
30	9 U	336.968	331.986	4.981	1.48%	7.51%
30	10 U	345.323	340.648	4.675	1.35%	7.04%
50	11	342.450	344.620	-2.170	-0.63%	3.27%
50	12	339.478	338.153	1.324	0.39%	2.00%
50	13	342.393	338.926	3.467	1.01%	5.23%
50	14	336.060	334.602	1.458	0.43%	2.20%
50	15	336.409	332.820	3.589	1.07%	5.41%
50	16 U	343.076	341.083	1.993	0.58%	3.00%
50	17 U	340.893	334.366	6.527	1.91%	9.84%
50	18 U	340.234	338.237	1.997	0.59%	3.01%
50	19 U	345.259	339.894	5.365	1.55%	8.08%
50	20 U	334.381	342.430	-8.050	-2.41%	12.13%
100	21	340.707	334.661	6.046	1.77%	9.11%
100	22	339.930	337.852	2.078	0.61%	3.13%
100	23	341.405	342.794	-1.389	-0.41%	2.09%
100	24	340.057	344.412	-4.355	-1.28%	6.56%
100	25	337.315	337.807	-0.492	-0.15%	0.74%
100	26 U	341.394	339.656	1.738	0.51%	2.62%
100	27 U	335.195	333.416	1.779	0.53%	2.68%
100	28 U	341.697	336.266	5.430	1.59%	8.18%
100	29 U	341.307	341.604	-0.297	-0.09%	0.45%
100	30 U	339.345	341.575	-2.229	-0.66%	3.36%
	Max	346.618	344.620	6.527	1.91%	12.13%
	Average	340.531	338.494	2.038	0.59%	4.86%
	Min	334.381	331.986	-8.050	-2.41%	0.45%
	Std Dev	2.918	3.318	3.262	0.96%	3.09%



VDD=3.3V 2.58G Fund F2 Line

Test Site		
Tester		
Test Number		
Max Limit	371.6739669	dB
Min Limit	305.313416	dB

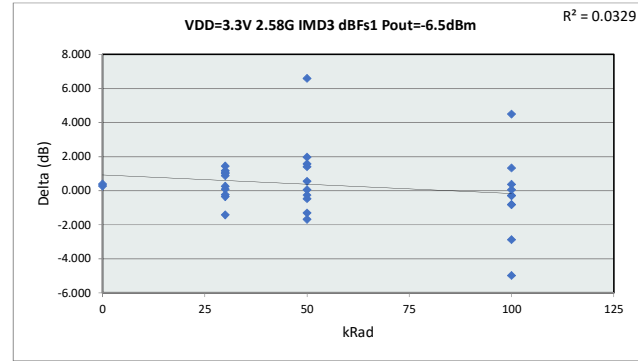
kRad	0	30	50	100
LL	305.313	305.313	305.313	305.313
Min	339.211	331.986	332.820	333.416
Average	339.533	337.756	338.513	339.004
Max	339.855	340.801	344.620	344.412
UL	371.674	371.674	371.674	371.674



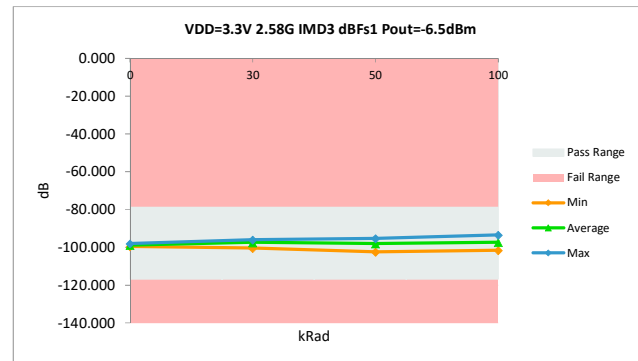
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G IMD3 dBFs1 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-78.5270221	-78.5270221
Min Limit	-116.7511046	-116.7511046

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-99.220	-99.511	0.291	-0.29%	0.76%
0	C2	-97.598	-98.019	0.420	-0.43%	1.10%
30	1	-95.516	-96.714	1.198	-1.25%	3.13%
30	2	-97.047	-96.714	-0.333	0.34%	0.87%
30	3	-95.478	-96.377	0.899	-0.94%	2.35%
30	4	-98.933	-100.397	1.464	-1.48%	3.83%
30	5	-98.288	-98.405	0.117	-0.12%	0.31%
30	6 U	-98.003	-99.029	1.026	-1.05%	2.68%
30	7 U	-96.304	-96.590	0.286	-0.30%	0.75%
30	8 U	-96.291	-97.391	1.099	-1.14%	2.88%
30	9 U	-96.668	-96.450	-0.218	0.23%	0.57%
30	10 U	-97.352	-95.953	-1.399	1.44%	3.66%
50	11	-97.020	-97.597	0.577	-0.59%	1.51%
50	12	-98.251	-99.677	1.426	-1.45%	3.73%
50	13	-96.317	-98.309	1.992	-2.07%	5.21%
50	14	-95.478	-95.239	-0.239	0.25%	0.63%
50	15	-96.947	-95.665	-1.282	1.32%	3.35%
50	16 U	-97.828	-97.908	0.080	-0.08%	0.21%
50	17 U	-99.931	-98.278	-1.653	1.65%	4.32%
50	18 U	-94.396	-96.001	1.605	-1.70%	4.20%
50	19 U	-99.184	-98.727	-0.457	0.46%	1.19%
50	20 U	-95.773	-102.385	6.612	-6.90%	17.30%
100	21	-101.970	-97.003	-4.967	4.87%	12.99%
100	22	-100.591	-100.319	-0.272	0.27%	0.71%
100	23	-95.826	-97.184	1.358	-1.42%	3.55%
100	24	-100.696	-97.847	-2.849	2.83%	7.45%
100	25	-97.009	-101.527	4.518	-4.66%	11.82%
100	26 U	-98.652	-97.856	-0.796	0.81%	2.08%
100	27 U	-95.789	-95.527	-0.262	0.27%	0.68%
100	28 U	-94.241	-93.456	-0.786	0.83%	2.06%
100	29 U	-96.297	-96.689	0.393	-0.41%	1.03%
100	30 U	-95.627	-95.705	0.078	-0.08%	0.20%
	Max	-94.241	-93.456	6.612	4.87%	17.30%
	Average	-97.329	-97.639	0.310	-0.34%	3.35%
	Min	-101.970	-102.385	-4.967	-6.90%	0.20%
	Std Dev	1.862	1.911	1.967	2.01%	3.95%



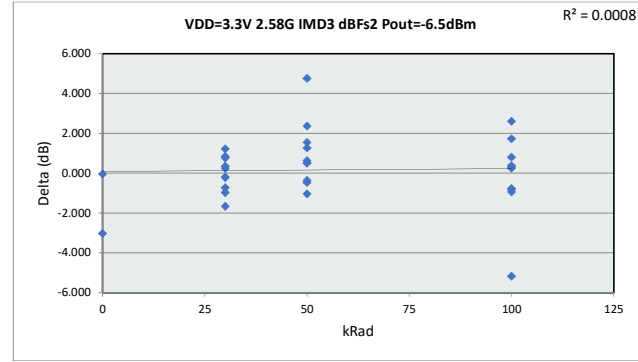
VDD=3.3V 2.58G IMD3 dBFs1				
Test Site				
Tester				
Test Number				
Max Limit	-78.5270221		dB	
Min Limit	-116.7511046		dB	
kRad	0	30	50	100
LL	-116.751	-116.751	-116.751	-116.751
Min	-99.511	-100.397	-102.385	-101.527
Average	-98.765	-97.402	-97.979	-97.311
Max	-98.019	-95.953	-95.239	-93.456
UL	-78.527	-78.527	-78.527	-78.527



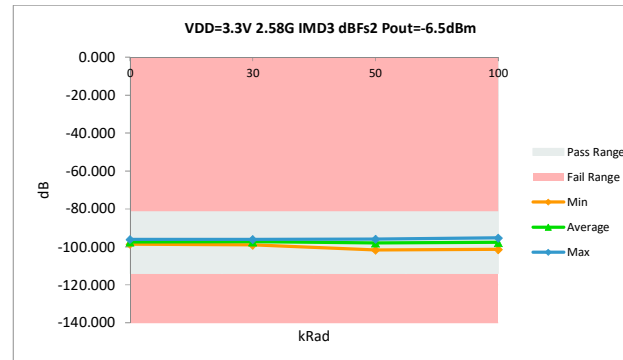
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G IMD3 dBFs2 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-81.2005519	-81.2005519
Min Limit	-113.9337717	-113.9337717

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-98.605	-98.581	-0.024	0.02%	0.07%
0	C2	-99.069	-96.070	-2.999	3.03%	9.16%
30	1	-96.283	-96.654	0.371	-0.39%	1.13%
30	2	-96.672	-97.460	0.788	-0.81%	2.41%
30	3	-95.823	-96.087	0.264	-0.28%	0.81%
30	4	-97.755	-98.992	1.237	-1.27%	3.78%
30	5	-98.040	-97.837	-0.203	0.21%	0.62%
30	6 U	-99.777	-98.134	-1.643	1.65%	5.02%
30	7 U	-96.990	-96.041	-0.949	0.98%	2.90%
30	8 U	-97.456	-96.741	-0.715	0.73%	2.18%
30	9 U	-96.992	-96.824	-0.167	0.17%	0.51%
30	10 U	-96.431	-97.289	0.859	-0.89%	2.62%
50	11	-97.333	-96.984	-0.348	0.36%	1.06%
50	12	-98.280	-99.562	1.282	-1.30%	3.92%
50	13	-96.256	-96.781	0.525	-0.55%	1.61%
50	14	-96.528	-97.065	0.537	-0.56%	1.64%
50	15	-94.009	-96.396	2.387	-2.54%	7.29%
50	16 U	-98.461	-98.009	-0.453	0.46%	1.38%
50	17 U	-97.699	-99.261	1.562	-1.60%	4.77%
50	18 U	-95.165	-95.809	0.644	-0.68%	1.97%
50	19 U	-98.226	-97.212	-1.014	1.03%	3.10%
50	20 U	-96.829	-101.603	4.774	-4.93%	14.58%
100	21	-102.098	-96.943	-5.155	5.05%	15.75%
100	22	-99.892	-99.097	-0.795	0.80%	2.43%
100	23	-96.913	-96.161	-0.753	0.78%	2.30%
100	24	-98.659	-100.403	1.744	-1.77%	5.33%
100	25	-98.639	-101.267	2.627	-2.66%	8.03%
100	26 U	-98.690	-99.090	0.400	-0.41%	1.22%
100	27 U	-96.166	-95.244	-0.922	0.96%	2.82%
100	28 U	-94.947	-95.280	0.332	-0.35%	1.02%
100	29 U	-96.824	-97.094	0.270	-0.28%	0.82%
100	30 U	-95.355	-96.178	0.823	-0.86%	2.51%
	Max	-94.009	-95.244	4.774	5.05%	15.75%
	Average	-97.402	-97.567	0.165	-0.18%	3.59%
	Min	-102.098	-101.603	-5.155	-4.93%	0.07%
	Std Dev	1.635	1.637	1.703	1.72%	3.75%



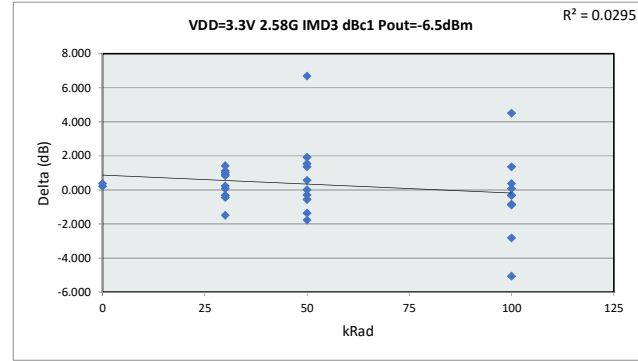
VDD=3.3V 2.58G IMD3 dBFs2				
Test Site				
Tester				
Test Number				
Max Limit	-81.2005519		dB	
Min Limit	-113.9337717		dB	
kRad	0	30	50	100
LL	-113.934	-113.934	-113.934	-113.934
Min	-98.581	-98.992	-101.603	-101.267
Average	-97.325	-97.206	-97.868	-97.676
Max	-96.070	-96.041	-95.809	-95.244
UL	-81.201	-81.201	-81.201	-81.201



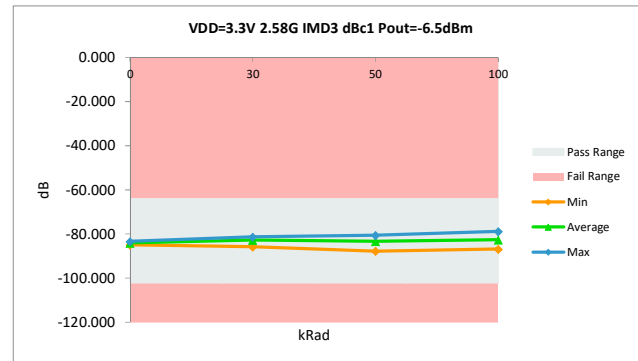
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G IMD3 dBc1 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-63.69880293	-63.69880293
Min Limit	-102.2056732	-102.2056732

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-84.603	-84.841	0.238	-0.28%	0.62%
0	C2	-82.965	-83.355	0.390	-0.47%	1.01%
30	1	-80.822	-81.962	1.140	-1.41%	2.96%
30	2	-82.424	-82.005	-0.419	0.51%	1.09%
30	3	-80.854	-81.710	0.856	-1.06%	2.22%
30	4	-84.281	-85.726	1.446	-1.72%	3.75%
30	5	-83.614	-83.710	0.096	-0.11%	0.25%
30	6 U	-83.434	-84.372	0.938	-1.12%	2.44%
30	7 U	-81.667	-81.920	0.253	-0.31%	0.66%
30	8 U	-81.650	-82.693	1.043	-1.28%	2.71%
30	9 U	-81.974	-81.682	-0.292	0.36%	0.76%
30	10 U	-82.759	-81.294	-1.464	1.77%	3.80%
50	11	-82.396	-82.981	0.585	-0.71%	1.52%
50	12	-83.593	-84.983	1.390	-1.66%	3.61%
50	13	-81.688	-83.625	1.937	-2.37%	5.03%
50	14	-80.770	-80.500	-0.270	0.33%	0.70%
50	15	-82.243	-80.905	-1.337	1.63%	3.47%
50	16 U	-83.214	-83.251	0.037	-0.04%	0.10%
50	17 U	-85.290	-83.540	-1.750	2.05%	4.54%
50	18 U	-79.746	-81.311	1.565	-1.96%	4.06%
50	19 U	-84.595	-84.052	-0.543	0.64%	1.41%
50	20 U	-81.036	-87.745	6.708	-8.28%	17.42%
100	21	-87.312	-82.271	-5.041	5.77%	13.09%
100	22	-85.925	-85.623	-0.302	0.35%	0.78%
100	23	-81.178	-82.551	1.373	-1.69%	3.57%
100	24	-86.031	-83.234	-2.797	3.25%	7.26%
100	25	-82.304	-86.835	4.530	-5.50%	11.77%
100	26 U	-84.001	-83.185	-0.816	0.97%	2.12%
100	27 U	-81.061	-80.774	-0.288	0.36%	0.75%
100	28 U	-79.597	-78.739	-0.858	1.08%	2.23%
100	29 U	-81.649	-82.042	0.394	-0.48%	1.02%
100	30 U	-80.951	-81.054	0.103	-0.13%	0.27%
	Max	-79.597	-78.739	6.708	5.77%	17.42%
	Average	-82.676	-82.952	0.276	-0.36%	3.34%
	Min	-87.312	-87.745	-5.041	-8.28%	0.10%
	Std Dev	1.871	1.925	1.987	2.39%	3.95%



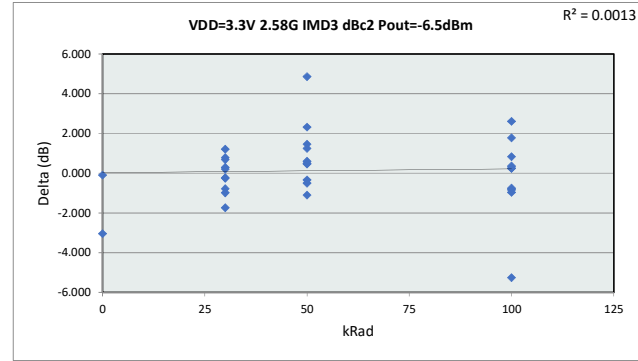
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Test Site				
Tester				
Test Number				
Max Limit	-63.69880293		dB	
Min Limit	-102.2056732		dB	
kRad	0	30	50	100
LL	-102.206	-102.206	-102.206	-102.206
Min	-84.841	-85.726	-87.745	-86.835
Average	-84.098	-82.708	-83.289	-82.631
Max	-83.355	-81.294	-80.500	-78.739
UL	-63.699	-63.699	-63.699	-63.699



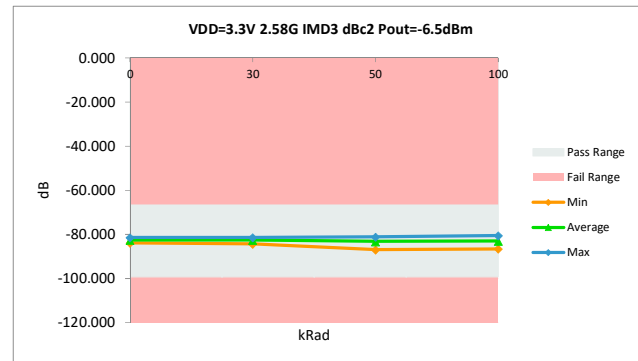
QMLP TID Report
TRF0208 QMLP

VDD=3.3V 2.58G IMD3 dBc2 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-66.37904445	-66.37904445
Min Limit	-99.34588489	-99.34588489

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-83.959	-83.885	-0.074	0.09%	0.22%
0	C2	-84.404	-81.383	-3.021	3.58%	9.16%
30	1	-81.563	-81.878	0.315	-0.39%	0.96%
30	2	-82.024	-82.733	0.709	-0.86%	2.15%
30	3	-81.173	-81.397	0.224	-0.28%	0.68%
30	4	-83.071	-84.301	1.229	-1.48%	3.73%
30	5	-83.335	-83.123	-0.213	0.26%	0.64%
30	6 U	-85.176	-83.459	-1.717	2.02%	5.21%
30	7 U	-82.325	-81.355	-0.969	1.18%	2.94%
30	8 U	-82.785	-82.023	-0.761	0.92%	2.31%
30	9 U	-82.268	-82.035	-0.232	0.28%	0.70%
30	10 U	-81.813	-82.612	0.799	-0.98%	2.42%
50	11	-82.679	-82.358	-0.321	0.39%	0.97%
50	12	-83.588	-84.854	1.265	-1.51%	3.84%
50	13	-81.601	-82.082	0.481	-0.59%	1.46%
50	14	-81.793	-82.311	0.518	-0.63%	1.57%
50	15	-79.277	-81.618	2.341	-2.95%	7.10%
50	16 U	-83.815	-83.337	-0.478	0.57%	1.45%
50	17 U	-83.025	-84.504	1.478	-1.78%	4.48%
50	18 U	-80.483	-81.102	0.618	-0.77%	1.88%
50	19 U	-83.608	-82.526	-1.082	1.29%	3.28%
50	20 U	-82.071	-86.948	4.877	-5.94%	14.79%
100	21	-87.422	-82.189	-5.233	5.99%	15.87%
100	22	-85.206	-84.384	-0.822	0.96%	2.49%
100	23	-82.246	-81.511	-0.735	0.89%	2.23%
100	24	-83.975	-85.774	1.799	-2.14%	5.46%
100	25	-83.920	-86.553	2.634	-3.14%	7.99%
100	26 U	-84.022	-84.400	0.378	-0.45%	1.15%
100	27 U	-81.419	-80.474	-0.945	1.16%	2.87%
100	28 U	-80.284	-80.547	0.263	-0.33%	0.80%
100	29 U	-82.156	-82.429	0.273	-0.33%	0.83%
100	30 U	-80.662	-81.513	0.852	-1.06%	2.58%
	Max	-79.277	-80.474	4.877	5.99%	15.87%
	Average	-82.723	-82.862	0.139	-0.19%	3.57%
	Min	-87.422	-86.948	-5.233	-5.94%	0.22%
	Std Dev	1.646	1.648	1.723	2.05%	3.79%



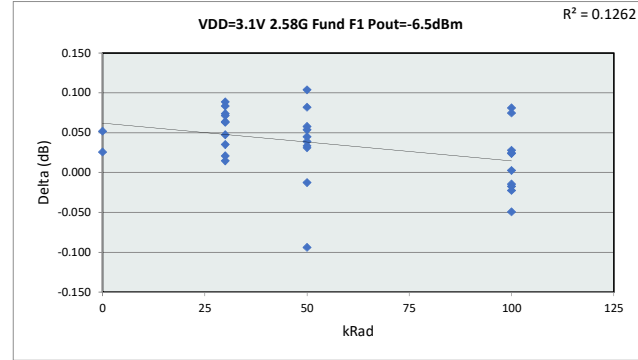
VDD=3.3V 2.58G IMD3 dBc2 Pout=-6.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-66.37904445		dB	
Min Limit	-99.34588489		dB	
kRad	0	30	50	100
LL	-99.346	-99.346	-99.346	-99.346
Min	-83.885	-84.301	-86.948	-86.553
Average	-82.634	-82.492	-83.164	-82.977
Max	-81.383	-81.355	-81.102	-80.474
UL	-66.379	-66.379	-66.379	-66.379



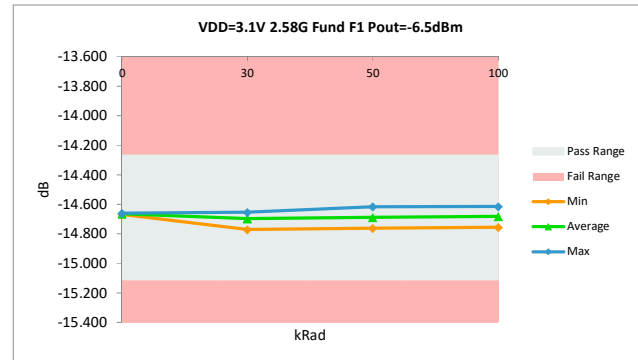
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G Fund F1 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.26431795	-14.26431795
Min Limit	-15.11115876	-15.11115876

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.616	-14.669	0.052	-0.36%	6.19%
0	C2	-14.634	-14.660	0.026	-0.18%	3.11%
30	1	-14.694	-14.757	0.064	-0.43%	7.51%
30	2	-14.622	-14.712	0.089	-0.61%	10.53%
30	3	-14.622	-14.670	0.048	-0.33%	5.66%
30	4	-14.650	-14.671	0.022	-0.15%	2.54%
30	5	-14.677	-14.692	0.015	-0.10%	1.81%
30	6 U	-14.570	-14.654	0.084	-0.58%	9.94%
30	7 U	-14.635	-14.671	0.036	-0.24%	4.21%
30	8 U	-14.640	-14.705	0.064	-0.44%	7.61%
30	9 U	-14.697	-14.771	0.075	-0.51%	8.80%
30	10 U	-14.590	-14.662	0.072	-0.49%	8.52%
50	11	-14.628	-14.616	-0.012	0.08%	1.40%
50	12	-14.656	-14.690	0.034	-0.23%	4.01%
50	13	-14.631	-14.685	0.054	-0.37%	6.41%
50	14	-14.710	-14.742	0.032	-0.21%	3.73%
50	15	-14.704	-14.762	0.058	-0.40%	6.89%
50	16 U	-14.613	-14.659	0.046	-0.31%	5.38%
50	17 U	-14.637	-14.741	0.104	-0.71%	12.33%
50	18 U	-14.650	-14.690	0.040	-0.27%	4.67%
50	19 U	-14.587	-14.669	0.083	-0.57%	9.74%
50	20 U	-14.734	-14.641	-0.093	0.63%	11.03%
100	21	-14.653	-14.734	0.082	-0.56%	9.66%
100	22	-14.667	-14.696	0.028	-0.19%	3.36%
100	23	-14.649	-14.633	-0.017	0.11%	1.98%
100	24	-14.663	-14.615	-0.049	0.33%	5.76%
100	25	-14.703	-14.689	-0.014	0.09%	1.63%
100	26 U	-14.648	-14.673	0.025	-0.17%	2.94%
100	27 U	-14.732	-14.756	0.024	-0.17%	2.87%
100	28 U	-14.645	-14.721	0.075	-0.51%	8.90%
100	29 U	-14.646	-14.649	0.003	-0.02%	0.39%
100	30 U	-14.676	-14.654	-0.022	0.15%	2.59%
	Max	-14.570	-14.615	0.104	0.63%	12.33%
	Average	-14.652	-14.688	0.035	-0.24%	5.69%
	Min	-14.734	-14.771	-0.093	-0.71%	0.39%
	Std Dev	0.040	0.042	0.043	0.30%	3.27%



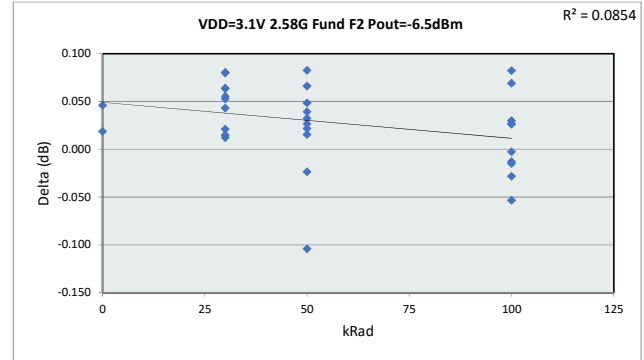
VDD=3.1V 2.58G Fund F1 Pout=-				
Test Site				
Tester				
Test Number				
Max Limit	-14.26431795		dB	
Min Limit	-15.11115876		dB	
kRad	0	30	50	100
LL	-15.111	-15.111	-15.111	-15.111
Min	-14.669	-14.771	-14.762	-14.756
Average	-14.664	-14.697	-14.689	-14.682
Max	-14.660	-14.654	-14.616	-14.615
UL	-14.264	-14.264	-14.264	-14.264



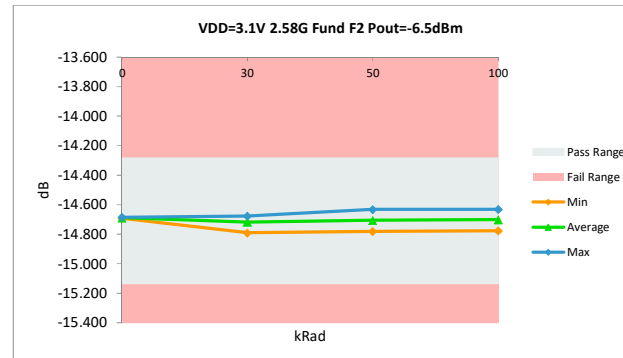
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G Fund F2 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.27888555	-14.27888555
Min Limit	-15.13407248	-15.13407248

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.647	-14.693	0.046	-0.32%	5.41%
0	C2	-14.665	-14.684	0.019	-0.13%	2.22%
30	1	-14.723	-14.779	0.056	-0.38%	6.52%
30	2	-14.650	-14.730	0.080	-0.55%	9.37%
30	3	-14.648	-14.691	0.043	-0.30%	5.08%
30	4	-14.680	-14.693	0.013	-0.09%	1.48%
30	5	-14.703	-14.718	0.015	-0.10%	1.79%
30	6 U	-14.596	-14.676	0.081	-0.55%	9.42%
30	7 U	-14.665	-14.686	0.021	-0.15%	2.51%
30	8 U	-14.670	-14.723	0.053	-0.36%	6.22%
30	9 U	-14.726	-14.790	0.064	-0.43%	7.47%
30	10 U	-14.618	-14.682	0.064	-0.44%	7.50%
50	11	-14.655	-14.631	-0.023	0.16%	2.71%
50	12	-14.690	-14.706	0.016	-0.11%	1.86%
50	13	-14.657	-14.697	0.040	-0.27%	4.65%
50	14	-14.737	-14.759	0.022	-0.15%	2.57%
50	15	-14.731	-14.780	0.049	-0.33%	5.71%
50	16 U	-14.646	-14.678	0.033	-0.22%	3.82%
50	17 U	-14.675	-14.758	0.083	-0.56%	9.69%
50	18 U	-14.683	-14.711	0.027	-0.18%	3.17%
50	19 U	-14.618	-14.684	0.067	-0.46%	7.79%
50	20 U	-14.758	-14.654	-0.104	0.70%	12.12%
100	21	-14.673	-14.756	0.083	-0.56%	9.66%
100	22	-14.683	-14.713	0.030	-0.21%	3.53%
100	23	-14.668	-14.653	-0.015	0.10%	1.70%
100	24	-14.684	-14.631	-0.053	0.36%	6.21%
100	25	-14.722	-14.710	-0.013	0.09%	1.47%
100	26 U	-14.667	-14.694	0.027	-0.18%	3.15%
100	27 U	-14.749	-14.775	0.027	-0.18%	3.13%
100	28 U	-14.666	-14.736	0.069	-0.47%	8.11%
100	29 U	-14.670	-14.668	-0.002	0.01%	0.26%
100	30 U	-14.696	-14.668	-0.028	0.19%	3.24%
	Max	-14.596	-14.631	0.035	0.24%	4.99%
	Average	-14.679	-14.706	0.028	-0.19%	4.99%
	Min	-14.758	-14.790	-0.032	0.22%	3.06%
	Std Dev	0.038	0.043	0.005	0.03%	3.06%



VDD=3.1V 2.58G Fund F2 Pout=-					
Test Site					
Tester					
Test Number					
Max Limit	-14.27888555		dB		
Min Limit	-15.13407248		dB		
	kRad	0	30	50	100
LL		-15.134	-15.134	-15.134	-15.134
Min		-14.693	-14.790	-14.780	-14.775
Average		-14.689	-14.717	-14.706	-14.700
Max		-14.684	-14.676	-14.631	-14.631
UL		-14.279	-14.279	-14.279	-14.279

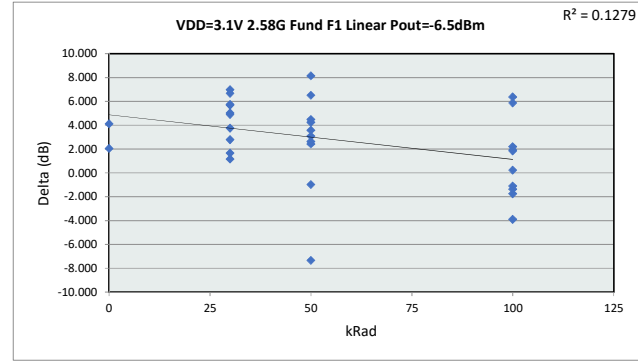


QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G Fund F1 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	372.8899436	372.8899436
Min Limit	306.7456804	306.7456804

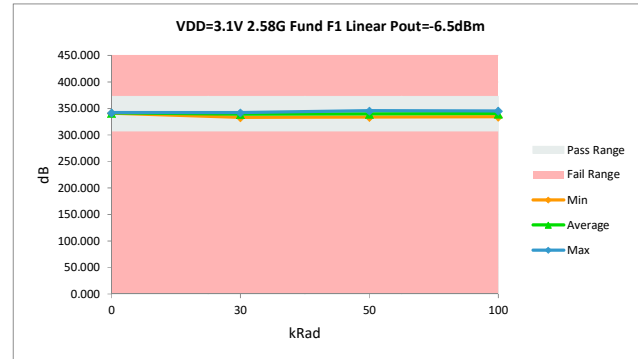
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	345.452	341.307	4.145	1.20%	6.27%
0	C2	344.063	341.979	2.083	0.61%	3.15%
30	1	339.324	334.393	4.931	1.45%	7.45%
30	2	344.954	337.942	7.011	2.03%	10.60%
30	3	344.964	341.175	3.789	1.10%	5.73%
30	4	342.791	341.095	1.695	0.49%	2.56%
30	5	340.650	339.452	1.199	0.35%	1.81%
30	6 U	349.178	342.474	6.705	1.92%	10.14%
30	7 U	343.967	341.151	2.815	0.82%	4.26%
30	8 U	343.533	338.476	5.057	1.47%	7.65%
30	9 U	339.107	333.336	5.771	1.70%	8.72%
30	10 U	347.507	341.784	5.723	1.65%	8.65%
50	11	344.516	345.459	-0.943	-0.27%	1.43%
50	12	342.323	339.657	2.667	0.78%	4.03%
50	13	344.307	340.028	4.280	1.24%	6.47%
50	14	338.033	335.582	2.451	0.73%	3.71%
50	15	338.561	334.042	4.519	1.33%	6.83%
50	16 U	345.674	342.068	3.606	1.04%	5.45%
50	17 U	343.797	335.627	8.170	2.38%	12.35%
50	18 U	342.748	339.644	3.105	0.91%	4.69%
50	19 U	347.781	341.236	6.545	1.88%	9.90%
50	20 U	336.199	343.508	-7.309	-2.17%	11.05%
100	21	342.565	336.172	6.393	1.87%	9.67%
100	22	341.402	339.176	2.227	0.65%	3.37%
100	23	342.819	344.145	-1.326	-0.39%	2.00%
100	24	341.706	345.562	-3.856	-1.13%	5.83%
100	25	338.612	339.692	-1.080	-0.32%	1.63%
100	26 U	342.949	340.991	1.958	0.57%	2.96%
100	27 U	336.393	334.515	1.878	0.56%	2.84%
100	28 U	343.129	337.226	5.903	1.72%	8.92%
100	29 U	343.081	342.819	0.262	0.08%	0.40%
100	30 U	340.736	342.459	-1.723	-0.51%	2.61%
Max		349.178	345.562	8.170	2.38%	12.35%
Average		342.588	339.818	2.770	0.80%	5.72%
Min		336.199	333.336	-7.309	-2.17%	0.40%
Std Dev		3.119	3.307	3.407	1.00%	3.29%



VDD=3.1V 2.58G Fund F1 Linear

Test Site		
Tester		
Test Number		
Max Limit	372.8899436	dB
Min Limit	306.7456804	dB

kRad	0	30	50	100
LL	306.746	306.746	306.746	306.746
Min	341.307	333.336	334.042	334.515
Average	341.643	339.128	339.685	340.276
Max	341.979	342.474	345.459	345.562
UL	372.890	372.890	372.890	372.890

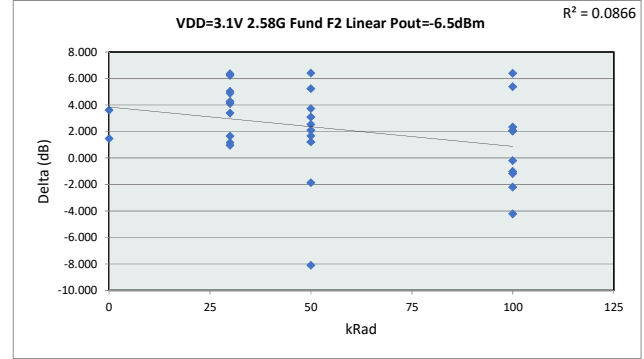


QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G Fund F2 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	371.6166922	371.6166922
Min Limit	305.0931085	305.0931085

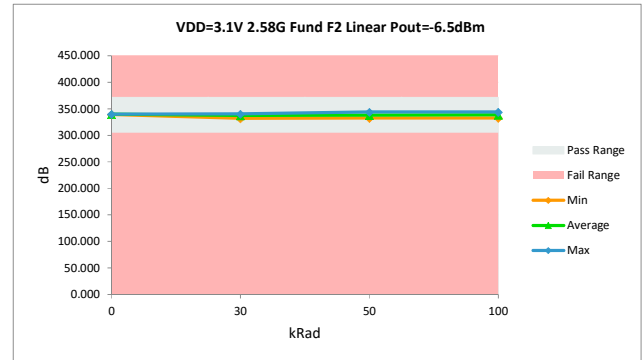
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	343.040	339.405	3.635	1.06%	5.46%
0	C2	341.564	340.071	1.493	0.44%	2.24%
30	1	337.026	332.726	4.300	1.28%	6.46%
30	2	342.801	336.532	6.269	1.83%	9.42%
30	3	342.955	339.539	3.416	1.00%	5.14%
30	4	340.403	339.411	0.992	0.29%	1.49%
30	5	338.643	337.455	1.189	0.35%	1.79%
30	6 U	347.063	340.684	6.378	1.84%	9.59%
30	7 U	341.588	339.904	1.684	0.49%	2.53%
30	8 U	341.202	337.051	4.151	1.22%	6.24%
30	9 U	336.818	331.902	4.916	1.46%	7.39%
30	10 U	345.337	340.276	5.062	1.47%	7.61%
50	11	342.410	344.243	-1.832	-0.54%	2.75%
50	12	339.625	338.385	1.240	0.37%	1.86%
50	13	342.184	339.068	3.116	0.91%	4.68%
50	14	335.955	334.256	1.698	0.51%	2.55%
50	15	336.399	332.635	3.763	1.12%	5.66%
50	16 U	343.112	340.543	2.569	0.75%	3.86%
50	17 U	340.806	334.361	6.445	1.89%	9.69%
50	18 U	340.139	338.024	2.115	0.62%	3.18%
50	19 U	345.324	340.067	5.257	1.52%	7.90%
50	20 U	334.387	342.461	-8.075	-2.41%	12.14%
100	21	340.949	334.524	6.425	1.88%	9.66%
100	22	340.166	337.808	2.358	0.69%	3.55%
100	23	341.380	342.522	-1.142	-0.33%	1.72%
100	24	340.092	344.273	-4.181	-1.23%	6.29%
100	25	337.111	338.088	-0.977	-0.29%	1.47%
100	26 U	341.436	339.326	2.109	0.62%	3.17%
100	27 U	335.065	333.008	2.057	0.61%	3.09%
100	28 U	341.474	336.066	5.408	1.58%	8.13%
100	29 U	341.215	341.387	-0.172	-0.05%	0.26%
100	30 U	339.181	341.355	-2.174	-0.64%	3.27%
	Max	347.063	344.273	6.445	1.89%	12.14%
	Average	340.527	338.355	2.172	0.63%	5.01%
	Min	334.387	331.902	-8.075	-2.41%	0.26%
	Std Dev	2.978	3.326	3.279	0.96%	3.07%



VDD=3.1V 2.58G Fund F2 Linear

Test Site		
Tester		
Test Number		
Max Limit	371.6166922	dB
Min Limit	305.0931085	dB

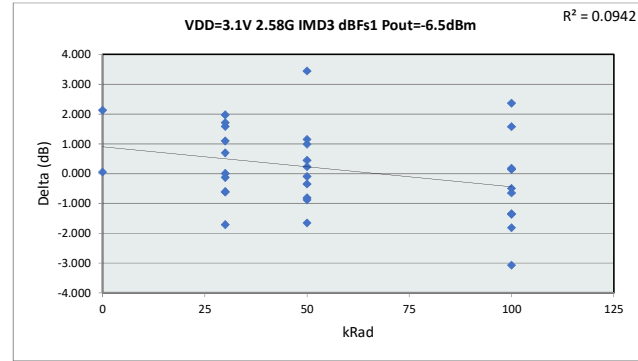
kRad	0	30	50	100
LL	305.093	305.093	305.093	305.093
Min	339.405	331.902	332.635	333.008
Average	339.738	337.548	338.404	338.836
Max	340.071	340.684	344.243	344.273
UL	371.617	371.617	371.617	371.617



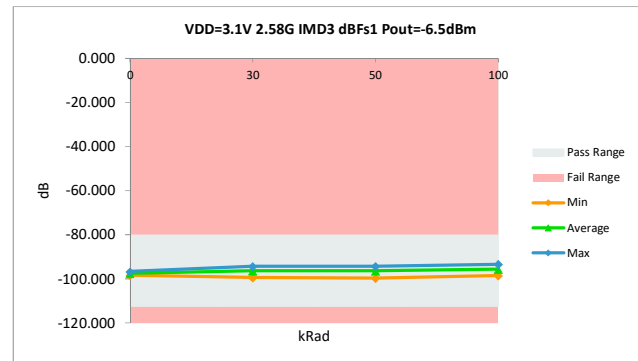
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G IMD3 dBFs1 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-79.98584795	-79.98584795
Min Limit	-112.3368216	-112.3368216

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-96.205	-98.344	2.139	-2.22%	6.61%
0	C2	-96.597	-96.666	0.069	-0.07%	0.21%
30	1	-96.071	-94.369	-1.702	1.77%	5.26%
30	2	-95.130	-96.851	1.721	-1.81%	5.32%
30	3	-94.676	-94.699	0.023	-0.02%	0.07%
30	4	-97.820	-99.421	1.601	-1.64%	4.95%
30	5	-96.563	-97.675	1.111	-1.15%	3.44%
30	6 U	-97.065	-99.048	1.983	-2.04%	6.13%
30	7 U	-94.944	-95.652	0.708	-0.75%	2.19%
30	8 U	-95.507	-95.394	-0.113	0.12%	0.35%
30	9 U	-95.764	-95.162	-0.602	0.63%	1.86%
30	10 U	-95.371	-94.778	-0.593	0.62%	1.83%
50	11	-95.406	-96.569	1.163	-1.22%	3.59%
50	12	-97.708	-96.838	-0.869	0.89%	2.69%
50	13	-96.706	-96.623	-0.082	0.09%	0.26%
50	14	-94.526	-95.527	1.001	-1.06%	3.10%
50	15	-94.052	-94.300	0.248	-0.26%	0.77%
50	16 U	-95.256	-95.712	0.456	-0.48%	1.41%
50	17 U	-98.756	-97.112	-1.644	1.66%	5.08%
50	18 U	-94.711	-94.378	-0.333	0.35%	1.03%
50	19 U	-97.548	-96.750	-0.798	0.82%	2.47%
50	20 U	-96.179	-99.636	3.457	-3.59%	10.69%
100	21	-98.446	-95.384	-3.062	3.11%	9.46%
100	22	-97.601	-96.269	-1.333	1.37%	4.12%
100	23	-96.941	-95.138	-1.804	1.86%	5.58%
100	24	-97.876	-96.524	-1.352	1.38%	4.18%
100	25	-96.040	-98.417	2.376	-2.47%	7.35%
100	26 U	-96.382	-95.743	-0.639	0.66%	1.97%
100	27 U	-93.821	-93.340	-0.482	0.51%	1.49%
100	28 U	-93.349	-93.547	0.197	-0.21%	0.61%
100	29 U	-94.919	-96.504	1.585	-1.67%	4.90%
100	30 U	-94.637	-94.792	0.155	-0.16%	0.48%
Max		-93.349	-93.340	3.457	3.11%	10.69%
Average		-96.018	-96.161	0.143	-0.16%	3.42%
Min		-98.756	-99.636	-3.062	-3.59%	0.07%
Std Dev		1.384	1.618	1.421	1.47%	2.73%



VDD=3.1V 2.58G IMD3 dBFs1				
Test Site				
Tester				
Test Number				
Max Limit	-79.98584795		dB	
Min Limit	-112.3368216		dB	
kRad	0	30	50	100
LL	-112.337	-112.337	-112.337	-112.337
Min	-98.344	-99.421	-99.636	-98.417
Average	-97.505	-96.305	-96.345	-95.566
Max	-96.666	-94.369	-94.300	-93.340
UL	-79.986	-79.986	-79.986	-79.986

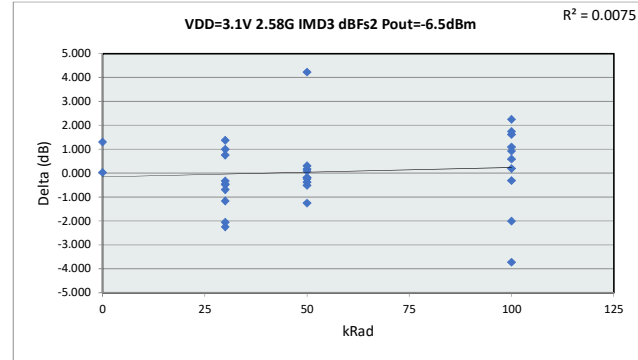


QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G IMD3 dBFs2 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-82.09240815	-82.09240815
Min Limit	-110.875082	-110.875082

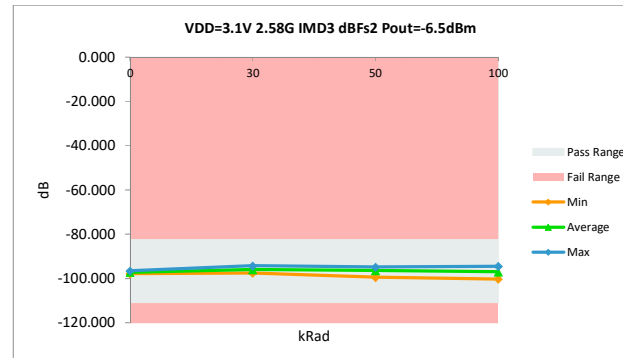
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-96.508	-97.830	1.322	-1.37%	4.59%
0	C2	-96.489	-96.528	0.039	-0.04%	0.14%
30	1	-95.519	-95.058	-0.461	0.48%	1.60%
30	2	-96.002	-97.393	1.391	-1.45%	4.83%
30	3	-95.389	-94.240	-1.149	1.20%	3.99%
30	4	-98.850	-96.618	-2.233	2.26%	7.76%
30	5	-96.463	-97.481	1.017	-1.05%	3.53%
30	6 U	-97.799	-97.492	-0.307	0.31%	1.07%
30	7 U	-95.120	-95.892	0.772	-0.81%	2.68%
30	8 U	-96.324	-95.884	-0.440	0.46%	1.53%
30	9 U	-96.485	-94.451	-2.034	2.11%	7.07%
30	10 U	-95.778	-95.102	-0.676	0.71%	2.35%
50	11	-95.796	-95.441	-0.355	0.37%	1.23%
50	12	-97.740	-97.520	-0.220	0.22%	0.76%
50	13	-96.909	-96.411	-0.499	0.51%	1.73%
50	14	-95.008	-95.197	0.189	-0.20%	0.66%
50	15	-94.948	-94.777	-0.171	0.18%	0.59%
50	16 U	-96.455	-96.780	0.324	-0.34%	1.13%
50	17 U	-96.784	-96.619	-0.164	0.17%	0.57%
50	18 U	-95.260	-95.359	0.099	-0.10%	0.34%
50	19 U	-97.702	-96.469	-1.233	1.26%	4.28%
50	20 U	-95.174	-99.415	4.241	-4.46%	14.73%
100	21	-100.435	-96.725	-3.710	3.69%	12.89%
100	22	-98.432	-98.140	-0.293	0.30%	1.02%
100	23	-96.665	-96.877	0.212	-0.22%	0.74%
100	24	-96.770	-98.535	1.765	-1.82%	6.13%
100	25	-97.947	-100.215	2.269	-2.32%	7.88%
100	26 U	-99.077	-97.090	-1.987	2.01%	6.90%
100	27 U	-93.822	-94.765	0.943	-1.01%	3.28%
100	28 U	-93.353	-94.464	1.111	-1.19%	3.86%
100	29 U	-95.226	-96.857	1.631	-1.71%	5.67%
100	30 U	-95.249	-95.855	0.606	-0.64%	2.11%
	Max	-93.353	-94.240	4.241	3.69%	14.73%
	Average	-96.421	-96.484	0.062	-0.08%	3.68%
	Min	-100.435	-100.215	-3.710	-4.46%	0.14%
	Std Dev	1.523	1.439	1.481	1.52%	3.54%



VDD=3.1V 2.58G IMD3 dBFs2

Test Site		
Tester		
Test Number		
Max Limit	-82.09240815	dB
Min Limit	-110.875082	dB

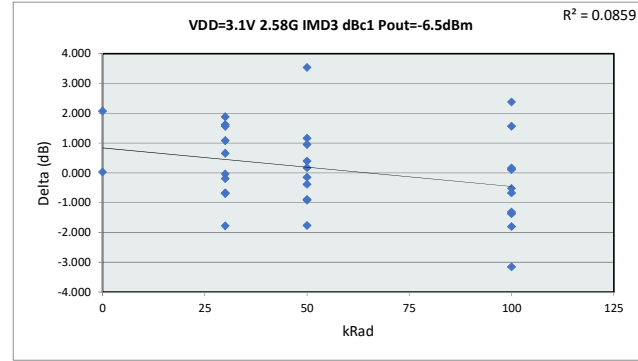
kRad	0	30	50	100
LL	-110.875	-110.875	-110.875	-110.875
Min	-97.830	-97.492	-99.415	-100.215
Average	-97.179	-95.961	-96.399	-96.952
Max	-96.528	-94.240	-94.777	-94.464
UL	-82.092	-82.092	-82.092	-82.092



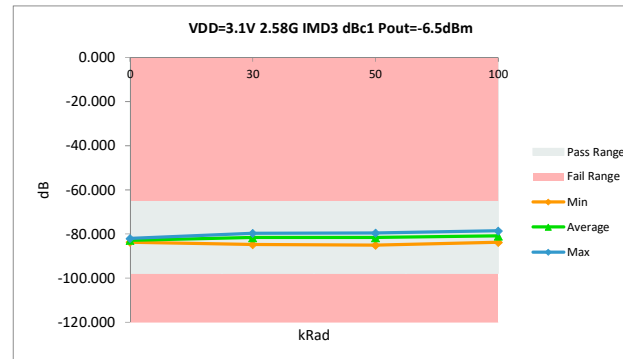
QMLP TID Report
TRF0208 QMLP

VDD=3.1V 2.58G IMD3 dBc1 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-65.11532305	-65.11532305
Min Limit	-97.83186914	-97.83186914

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-81.589	-83.676	2.086	-2.56%	6.38%
0	C2	-81.963	-82.006	0.043	-0.05%	0.13%
30	1	-81.377	-79.612	-1.765	2.17%	5.40%
30	2	-80.508	-82.139	1.632	-2.03%	4.99%
30	3	-80.053	-80.029	-0.025	0.03%	0.08%
30	4	-83.171	-84.750	1.579	-1.90%	4.83%
30	5	-81.886	-82.983	1.096	-1.34%	3.35%
30	6 U	-82.496	-84.395	1.899	-2.30%	5.80%
30	7 U	-80.309	-80.982	0.672	-0.84%	2.06%
30	8 U	-80.867	-80.690	-0.177	0.22%	0.54%
30	9 U	-81.067	-80.390	-0.677	0.83%	2.07%
30	10 U	-80.781	-80.116	-0.665	0.82%	2.03%
50	11	-80.778	-81.953	1.175	-1.45%	3.59%
50	12	-83.052	-82.149	-0.903	1.09%	2.76%
50	13	-82.075	-81.938	-0.137	0.17%	0.42%
50	14	-79.816	-80.785	0.970	-1.22%	2.96%
50	15	-79.348	-79.538	0.189	-0.24%	0.58%
50	16 U	-80.643	-81.053	0.410	-0.51%	1.25%
50	17 U	-84.119	-82.370	-1.749	2.08%	5.34%
50	18 U	-80.061	-79.689	-0.372	0.47%	1.14%
50	19 U	-82.961	-82.081	-0.880	1.06%	2.69%
50	20 U	-81.445	-84.995	3.550	-4.36%	10.85%
100	21	-83.793	-80.650	-3.143	3.75%	9.61%
100	22	-82.934	-81.573	-1.361	1.64%	4.16%
100	23	-82.292	-80.505	-1.787	2.17%	5.46%
100	24	-83.212	-81.909	-1.303	1.57%	3.98%
100	25	-81.337	-83.728	2.390	-2.94%	7.31%
100	26 U	-81.734	-81.071	-0.663	0.81%	2.03%
100	27 U	-79.090	-78.584	-0.506	0.64%	1.55%
100	28 U	-78.704	-78.826	0.122	-0.16%	0.37%
100	29 U	-80.273	-81.855	1.582	-1.97%	4.83%
100	30 U	-79.961	-80.138	0.177	-0.22%	0.54%
	Max	-78.704	-78.584	3.550	3.75%	10.85%
	Average	-81.366	-81.474	0.108	-0.14%	3.41%
	Min	-84.119	-84.995	-3.143	-4.36%	0.08%
	Std Dev	1.393	1.636	1.436	1.75%	2.72%



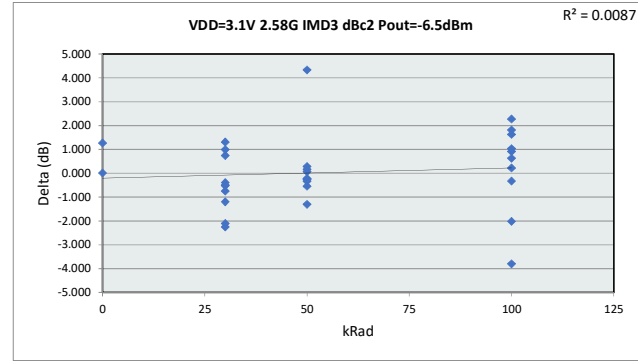
VDD=3.1V 2.58G IMD3 dBc1 Pout=-6.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-65.11532305		dB	
Min Limit	-97.83186914		dB	
kRad	0	30	50	100
LL	-97.832	-97.832	-97.832	-97.832
Min	-83.676	-84.750	-84.995	-83.728
Average	-82.841	-81.608	-81.655	-80.884
Max	-82.006	-79.612	-79.538	-78.584
UL	-65.115	-65.115	-65.115	-65.115



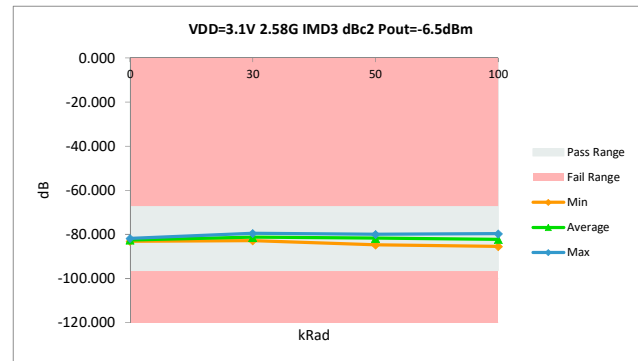
QMLP TID Report
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VDD=3.1V 2.58G IMD3 dBc2 Pout		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-67.19857216	-67.19857216
Min Limit	-96.35595751	-96.35595751

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-81.862	-83.137	1.276	-1.56%	4.37%
0	C2	-81.824	-81.844	0.020	-0.02%	0.07%
30	1	-80.796	-80.279	-0.517	0.64%	1.77%
30	2	-81.352	-82.663	1.311	-1.61%	4.49%
30	3	-80.742	-79.549	-1.192	1.48%	4.09%
30	4	-84.170	-81.925	-2.245	2.67%	7.70%
30	5	-81.761	-82.763	1.002	-1.23%	3.44%
30	6 U	-83.203	-82.815	-0.388	0.47%	1.33%
30	7 U	-80.455	-81.206	0.750	-0.93%	2.57%
30	8 U	-81.654	-81.161	-0.493	0.60%	1.69%
30	9 U	-81.759	-79.661	-2.098	2.57%	7.20%
30	10 U	-81.160	-80.421	-0.740	0.91%	2.54%
50	11	-81.142	-80.810	-0.332	0.41%	1.14%
50	12	-83.050	-82.814	-0.236	0.28%	0.81%
50	13	-82.252	-81.714	-0.538	0.65%	1.85%
50	14	-80.271	-80.438	0.167	-0.21%	0.57%
50	15	-80.216	-79.997	-0.219	0.27%	0.75%
50	16 U	-81.810	-82.101	0.292	-0.36%	1.00%
50	17 U	-82.109	-81.862	-0.247	0.30%	0.85%
50	18 U	-80.577	-80.648	0.071	-0.09%	0.25%
50	19 U	-83.084	-81.785	-1.299	1.56%	4.46%
50	20 U	-80.416	-84.761	4.345	-5.40%	14.90%
100	21	-85.762	-81.969	-3.792	4.42%	13.01%
100	22	-83.749	-83.426	-0.323	0.39%	1.11%
100	23	-81.998	-82.224	0.226	-0.28%	0.78%
100	24	-82.086	-83.904	1.818	-2.21%	6.23%
100	25	-83.225	-85.506	2.281	-2.74%	7.82%
100	26 U	-84.410	-82.396	-2.014	2.39%	6.91%
100	27 U	-79.073	-79.990	0.917	-1.16%	3.14%
100	28 U	-78.687	-79.728	1.042	-1.32%	3.57%
100	29 U	-80.556	-82.189	1.633	-2.03%	5.60%
100	30 U	-80.553	-81.187	0.634	-0.79%	2.17%
	Max	-78.687	-79.549	4.345	4.42%	14.90%
	Average	-81.743	-81.777	0.035	-0.06%	3.69%
	Min	-85.762	-85.506	-3.792	-5.40%	0.07%
	Std Dev	1.534	1.458	1.506	1.83%	3.55%



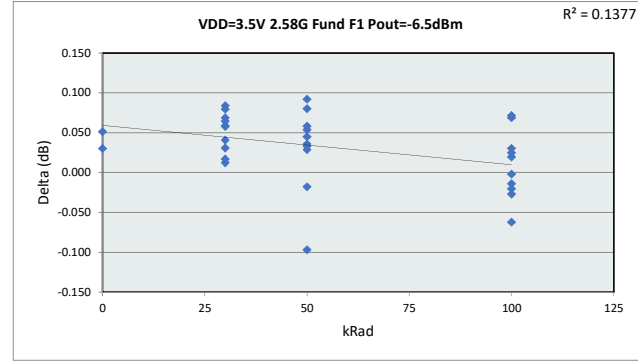
VDD=3.1V 2.58G IMD3 dBc2 Pout=-6.5dBm				
Test Site				
Tester				
Test Number				
Max Limit	-67.19857216			dB
Min Limit	-96.35595751			dB
kRad	0	30	50	100
LL	-96.356	-96.356	-96.356	-96.356
Min	-83.137	-82.815	-84.761	-85.506
Average	-82.491	-81.244	-81.693	-82.252
Max	-81.844	-79.549	-79.997	-79.728
UL	-67.199	-67.199	-67.199	-67.199



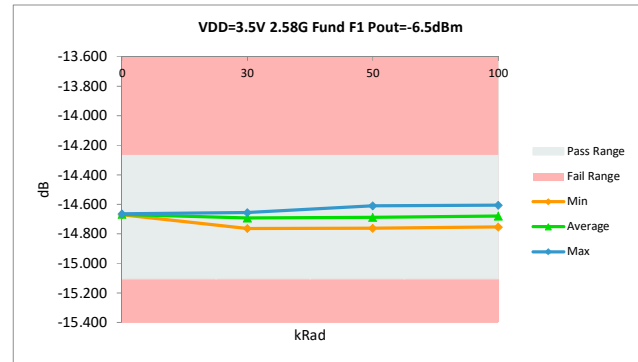
QMLP TID Report
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VDD=3.5V 2.58G Fund F1 Pout=		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.26533178	-14.26533178
Min Limit	-15.10481485	-15.10481485

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.619	-14.671	0.052	-0.35%	6.16%
0	C2	-14.634	-14.664	0.030	-0.21%	3.63%
30	1	-14.692	-14.751	0.059	-0.40%	7.04%
30	2	-14.625	-14.704	0.080	-0.55%	9.50%
30	3	-14.625	-14.666	0.041	-0.28%	4.90%
30	4	-14.652	-14.669	0.017	-0.12%	2.06%
30	5	-14.680	-14.692	0.013	-0.09%	1.49%
30	6 U	-14.572	-14.656	0.084	-0.58%	10.02%
30	7 U	-14.636	-14.667	0.031	-0.21%	3.71%
30	8 U	-14.640	-14.698	0.058	-0.40%	6.94%
30	9 U	-14.695	-14.764	0.069	-0.47%	8.22%
30	10 U	-14.592	-14.657	0.065	-0.45%	7.74%
50	11	-14.627	-14.610	-0.017	0.12%	2.07%
50	12	-14.660	-14.693	0.034	-0.23%	4.00%
50	13	-14.630	-14.684	0.054	-0.37%	6.45%
50	14	-14.709	-14.738	0.029	-0.20%	3.45%
50	15	-14.703	-14.761	0.059	-0.40%	6.98%
50	16 U	-14.610	-14.656	0.045	-0.31%	5.42%
50	17 U	-14.643	-14.735	0.092	-0.63%	10.99%
50	18 U	-14.651	-14.687	0.036	-0.25%	4.31%
50	19 U	-14.591	-14.672	0.081	-0.55%	9.61%
50	20 U	-14.735	-14.639	-0.097	0.66%	11.51%
100	21	-14.662	-14.731	0.069	-0.47%	8.22%
100	22	-14.666	-14.696	0.031	-0.21%	3.66%
100	23	-14.651	-14.631	-0.020	0.14%	2.39%
100	24	-14.668	-14.606	-0.062	0.42%	7.37%
100	25	-14.705	-14.691	-0.014	0.09%	1.63%
100	26 U	-14.650	-14.670	0.020	-0.14%	2.36%
100	27 U	-14.728	-14.754	0.025	-0.17%	3.00%
100	28 U	-14.643	-14.715	0.072	-0.49%	8.55%
100	29 U	-14.646	-14.645	-0.002	0.01%	0.19%
100	30 U	-14.675	-14.648	-0.027	0.18%	3.18%
	Max	-14.572	-14.606	0.092	0.66%	11.51%
	Average	-14.654	-14.685	0.031	-0.22%	5.52%
	Min	-14.735	-14.764	-0.097	-0.63%	0.19%
	Std Dev	0.039	0.042	0.043	0.29%	3.07%



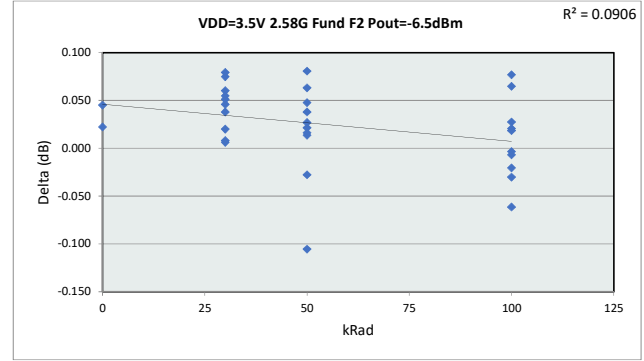
VDD=3.5V 2.58G Fund F1 Pout=				
Test Site				
Tester				
Test Number				
Max Limit	-14.26533178		dB	
Min Limit	-15.10481485		dB	
kRad	0	30	50	100
LL	-15.105	-15.105	-15.105	-15.105
Min	-14.671	-14.764	-14.761	-14.754
Average	-14.667	-14.692	-14.688	-14.679
Max	-14.664	-14.656	-14.610	-14.606
UL	-14.265	-14.265	-14.265	-14.265



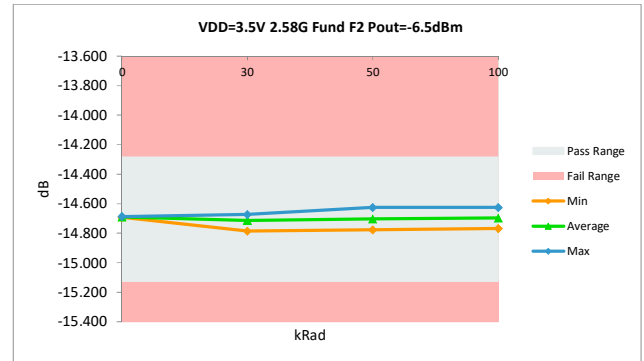
QMLP TID Report
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VDD=3.5V 2.58G Fund F2 Pout=-		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-14.27989324	-14.27989324
Min Limit	-15.12661848	-15.12661848

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-14.647	-14.692	0.045	-0.31%	5.35%
0	C2	-14.664	-14.687	0.022	-0.15%	2.65%
30	1	-14.721	-14.772	0.051	-0.35%	6.07%
30	2	-14.648	-14.727	0.079	-0.54%	9.38%
30	3	-14.650	-14.689	0.038	-0.26%	4.51%
30	4	-14.679	-14.687	0.008	-0.06%	0.97%
30	5	-14.709	-14.715	0.006	-0.04%	0.77%
30	6 U	-14.602	-14.677	0.075	-0.51%	8.87%
30	7 U	-14.663	-14.683	0.020	-0.14%	2.40%
30	8 U	-14.671	-14.717	0.046	-0.31%	5.45%
30	9 U	-14.725	-14.786	0.060	-0.41%	7.14%
30	10 U	-14.619	-14.674	0.055	-0.38%	6.48%
50	11	-14.653	-14.626	-0.027	0.19%	3.24%
50	12	-14.692	-14.709	0.017	-0.11%	1.95%
50	13	-14.657	-14.695	0.038	-0.26%	4.51%
50	14	-14.738	-14.752	0.014	-0.09%	1.63%
50	15	-14.729	-14.777	0.048	-0.33%	5.66%
50	16 U	-14.644	-14.671	0.027	-0.19%	3.20%
50	17 U	-14.674	-14.755	0.081	-0.55%	9.56%
50	18 U	-14.681	-14.702	0.022	-0.15%	2.55%
50	19 U	-14.622	-14.685	0.063	-0.43%	7.50%
50	20 U	-14.758	-14.653	-0.105	0.71%	12.42%
100	21	-14.678	-14.755	0.077	-0.52%	9.09%
100	22	-14.685	-14.713	0.028	-0.19%	3.27%
100	23	-14.669	-14.649	-0.020	0.14%	2.40%
100	24	-14.687	-14.626	-0.061	0.42%	7.23%
100	25	-14.720	-14.713	-0.007	0.05%	0.79%
100	26 U	-14.667	-14.688	0.021	-0.14%	2.47%
100	27 U	-14.748	-14.766	0.019	-0.13%	2.19%
100	28 U	-14.666	-14.731	0.065	-0.44%	7.68%
100	29 U	-14.668	-14.665	-0.003	0.02%	0.39%
100	30 U	-14.695	-14.665	-0.030	0.20%	3.54%
	Max	-14.602	-14.626	0.081	0.71%	12.42%
	Average	-14.679	-14.703	0.024	-0.16%	4.73%
	Min	-14.758	-14.786	-0.105	-0.55%	0.39%
	Std Dev	0.037	0.042	0.042	0.28%	3.09%



VDD=3.5V 2.58G Fund F2 Pout=-				
Test Site				
Tester				
Test Number				
Max Limit	-14.27989324		dB	
Min Limit	-15.12661848		dB	
kRad	0	30	50	100
LL	-15.127	-15.127	-15.127	-15.127
Min	-14.692	-14.786	-14.777	-14.766
Average	-14.690	-14.713	-14.703	-14.697
Max	-14.687	-14.674	-14.626	-14.626
UL	-14.280	-14.280	-14.280	-14.280

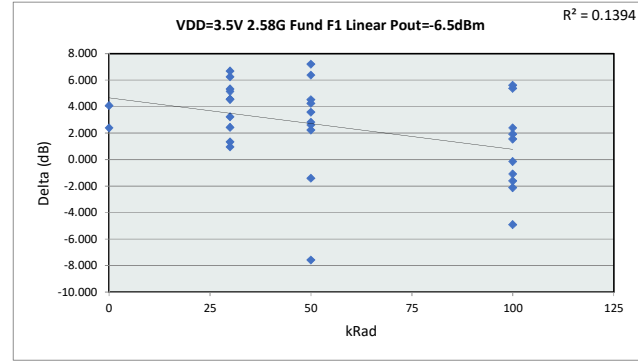


QMLP TID Report
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VDD=3.5V 2.58G Fund F1 Linea

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	372.8517233	372.8517233
Min Limit	307.2005476	307.2005476

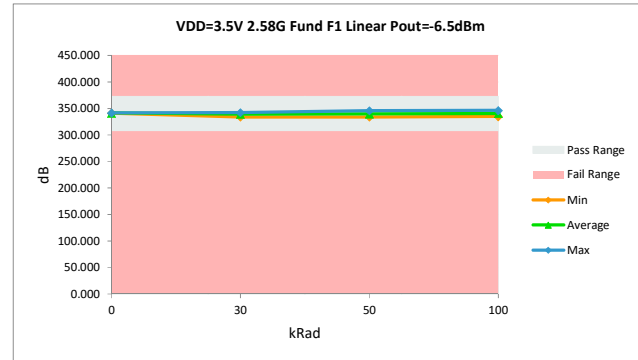
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	345.216	341.132	4.085	1.18%	6.22%
0	C2	344.061	341.656	2.405	0.70%	3.66%
30	1	339.493	334.907	4.586	1.35%	6.99%
30	2	344.786	338.515	6.271	1.82%	9.55%
30	3	344.773	341.526	3.248	0.94%	4.95%
30	4	342.616	341.258	1.358	0.40%	2.07%
30	5	340.419	339.441	0.979	0.29%	1.49%
30	6 U	348.983	342.288	6.695	1.92%	10.20%
30	7 U	343.893	341.434	2.459	0.71%	3.75%
30	8 U	343.542	338.967	4.575	1.33%	6.97%
30	9 U	339.263	333.913	5.351	1.58%	8.15%
30	10 U	347.344	342.184	5.159	1.49%	7.86%
50	11	344.584	345.966	-1.381	-0.40%	2.10%
50	12	341.993	339.360	2.633	0.77%	4.01%
50	13	344.339	340.074	4.265	1.24%	6.50%
50	14	338.113	335.865	2.248	0.66%	3.42%
50	15	338.634	334.097	4.537	1.34%	6.91%
50	16 U	345.934	342.329	3.605	1.04%	5.49%
50	17 U	343.336	336.120	7.216	2.10%	10.99%
50	18 U	342.702	339.858	2.844	0.83%	4.33%
50	19 U	347.460	341.068	6.392	1.84%	9.74%
50	20 U	336.087	343.647	-7.560	-2.25%	11.52%
100	21	341.841	336.450	5.391	1.58%	8.21%
100	22	341.532	339.124	2.408	0.71%	3.67%
100	23	342.710	344.300	-1.590	-0.46%	2.42%
100	24	341.331	346.228	-4.897	-1.43%	7.46%
100	25	338.443	339.512	-1.070	-0.32%	1.63%
100	26 U	342.748	341.186	1.562	0.46%	2.38%
100	27 U	336.631	334.687	1.944	0.58%	2.96%
100	28 U	343.283	337.656	5.627	1.64%	8.57%
100	29 U	343.045	343.173	-0.128	-0.04%	0.19%
100	30 U	340.815	342.919	-2.104	-0.62%	3.21%
	Max	348.983	346.228	7.216	2.10%	11.52%
	Average	342.498	340.026	2.472	0.72%	5.55%
	Min	336.087	333.913	-2.174	-0.63%	3.21%
	Std Dev	3.061	3.283	3.390	0.99%	3.09%



VDD=3.5V 2.58G Fund F1 Linea

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	372.8517233	372.8517233
Min Limit	307.2005476	307.2005476

kRad	0	30	50	100
LL	307.201	307.201	307.201	307.201
Min	341.132	333.913	334.097	334.687
Average	341.394	339.443	339.838	340.523
Max	341.656	342.288	345.966	346.228
UL	372.852	372.852	372.852	372.852

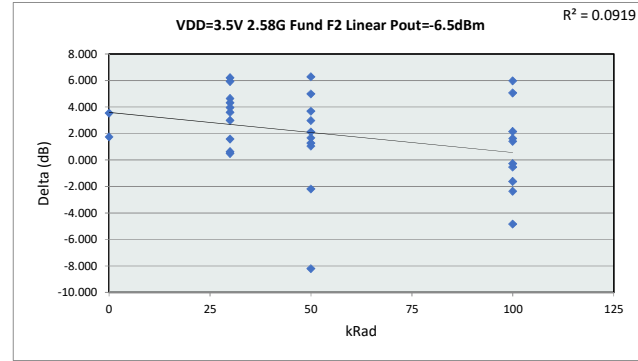


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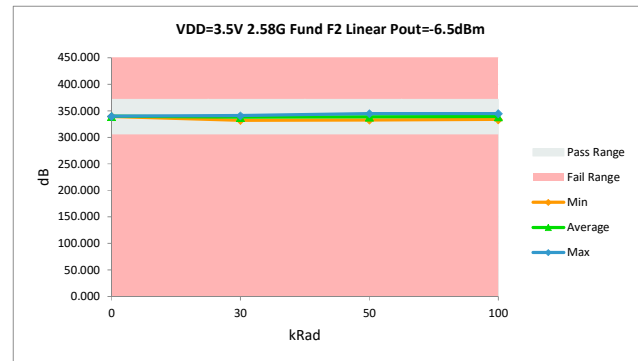
VDD=3.5V 2.58G Fund F2 Linear

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	371.576676	371.576676
Min Limit	305.6349406	305.6349406

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	343.003	339.447	3.557	1.04%	5.39%
0	C2	341.633	339.874	1.760	0.52%	2.67%
30	1	337.214	333.244	3.970	1.18%	6.02%
30	2	342.942	336.725	6.217	1.81%	9.43%
30	3	342.733	339.735	2.999	0.87%	4.55%
30	4	340.476	339.835	0.641	0.19%	0.97%
30	5	338.180	337.676	0.504	0.15%	0.76%
30	6 U	346.571	340.628	5.943	1.71%	9.01%
30	7 U	341.738	340.144	1.594	0.47%	2.42%
30	8 U	341.152	337.548	3.605	1.06%	5.47%
30	9 U	336.871	332.215	4.656	1.38%	7.06%
30	10 U	345.225	340.890	4.335	1.26%	6.57%
50	11	342.507	344.680	-2.173	-0.63%	3.29%
50	12	339.432	338.145	1.288	0.38%	1.95%
50	13	342.244	339.251	2.993	0.87%	4.54%
50	14	335.860	334.795	1.065	0.32%	1.62%
50	15	336.557	332.864	3.694	1.10%	5.60%
50	16 U	343.229	341.091	2.138	0.62%	3.24%
50	17 U	340.873	334.580	6.294	1.85%	9.54%
50	18 U	340.341	338.656	1.685	0.50%	2.56%
50	19 U	344.995	339.989	5.006	1.45%	7.59%
50	20 U	334.311	342.503	-8.192	-2.45%	12.42%
100	21	340.562	334.577	5.984	1.76%	9.08%
100	22	340.017	337.859	2.158	0.63%	3.27%
100	23	341.276	342.876	-1.600	-0.47%	2.43%
100	24	339.874	344.698	-4.824	-1.42%	7.32%
100	25	337.296	337.816	-0.520	-0.15%	0.79%
100	26 U	341.430	339.793	1.637	0.48%	2.48%
100	27 U	335.135	333.707	1.429	0.43%	2.17%
100	28 U	341.482	336.406	5.076	1.49%	7.70%
100	29 U	341.311	341.573	-0.262	-0.08%	0.40%
100	30 U	339.220	341.569	-2.349	-0.69%	3.56%
Max		346.571	344.698	6.294	1.85%	12.42%
Average		340.490	338.606	1.885	0.55%	4.75%
Min		334.311	332.215	-8.192	-2.45%	0.40%
Std Dev		2.923	3.297	3.260	0.96%	3.10%



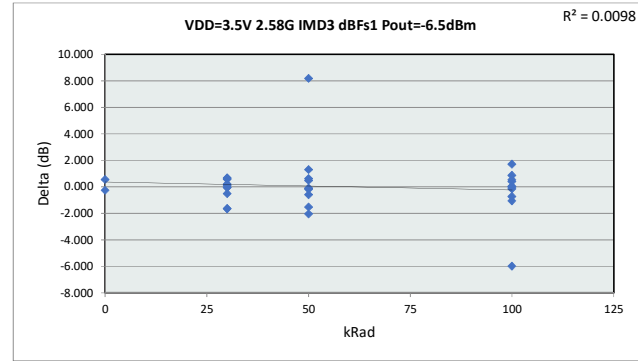
VDD=3.5V 2.58G Fund F2 Linear				
Test Site				
Tester				
Test Number				
Max Limit	371.576676		dB	
Min Limit	305.6349406		dB	
kRad	0	30	50	100
LL	305.635	305.635	305.635	305.635
Min	339.447	332.215	332.864	333.707
Average	339.660	337.864	338.655	339.087
Max	339.874	340.890	344.680	344.698
UL	371.577	371.577	371.577	371.577



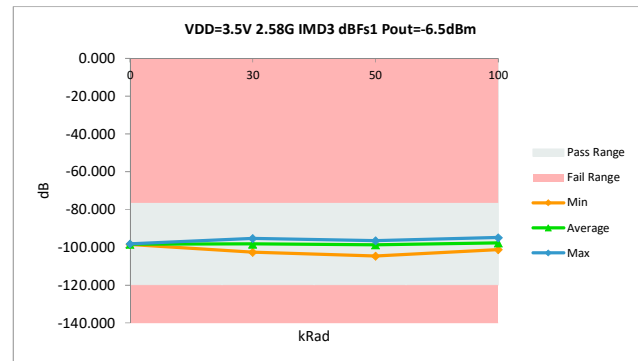
QMLP TID Report
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VDD=3.5V 2.58G IMD3 dBFs1 P		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-76.5137305	-76.5137305
Min Limit	-119.6912351	-119.6912351

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-98.316	-98.070	-0.247	0.25%	0.57%
0	C2	-97.849	-98.419	0.569	-0.58%	1.32%
30	1	-96.846	-95.225	-1.621	1.67%	3.75%
30	2	-97.901	-98.134	0.232	-0.24%	0.54%
30	3	-96.858	-96.821	-0.038	0.04%	0.09%
30	4	-101.978	-102.574	0.597	-0.58%	1.38%
30	5	-99.287	-99.945	0.658	-0.66%	1.52%
30	6 U	-100.765	-100.276	-0.489	0.49%	1.13%
30	7 U	-96.096	-96.792	0.696	-0.72%	1.61%
30	8 U	-98.600	-96.970	-1.630	1.65%	3.77%
30	9 U	-96.942	-97.071	0.129	-0.13%	0.30%
30	10 U	-97.592	-97.585	-0.008	0.01%	0.02%
50	11	-99.375	-97.871	-1.504	1.51%	3.48%
50	12	-99.589	-100.078	0.489	-0.49%	1.13%
50	13	-97.359	-97.184	-0.175	0.18%	0.41%
50	14	-96.569	-96.467	-0.102	0.11%	0.24%
50	15	-97.028	-96.947	-0.081	0.08%	0.19%
50	16 U	-98.845	-96.821	-2.024	2.05%	4.69%
50	17 U	-99.414	-100.739	1.325	-1.33%	3.07%
50	18 U	-96.354	-96.989	0.636	-0.66%	1.47%
50	19 U	-98.727	-98.145	-0.582	0.59%	1.35%
50	20 U	-96.410	-104.614	8.204	-8.51%	19.00%
100	21	-101.839	-95.874	-5.965	5.86%	13.81%
100	22	-99.861	-99.878	0.017	-0.02%	0.04%
100	23	-96.728	-97.621	0.893	-0.92%	2.07%
100	24	-98.062	-98.125	0.063	-0.06%	0.15%
100	25	-99.395	-101.120	1.725	-1.74%	4.00%
100	26 U	-99.508	-99.382	-0.126	0.13%	0.29%
100	27 U	-95.655	-96.083	0.428	-0.45%	0.99%
100	28 U	-95.232	-95.779	0.547	-0.57%	1.27%
100	29 U	-97.924	-96.879	-1.045	1.07%	2.42%
100	30 U	-95.507	-94.802	-0.705	0.74%	1.63%
	Max	-95.232	-94.802	8.204	5.86%	19.00%
	Average	-98.075	-98.102	0.027	-0.04%	2.43%
	Min	-101.978	-104.614	-5.965	-8.51%	0.02%
	Std Dev	1.729	2.159	2.009	2.05%	3.95%



VDD=3.5V 2.58G IMD3 dBFs1				
Test Site				
Tester				
Test Number				
Max Limit	-76.5137305		dB	
Min Limit	-119.6912351		dB	
kRad	0	30	50	100
LL	-119.691	-119.691	-119.691	-119.691
Min	-98.419	-102.574	-104.614	-101.120
Average	-98.244	-98.139	-98.586	-97.554
Max	-98.070	-95.225	-96.467	-94.802
UL	-76.514	-76.514	-76.514	-76.514

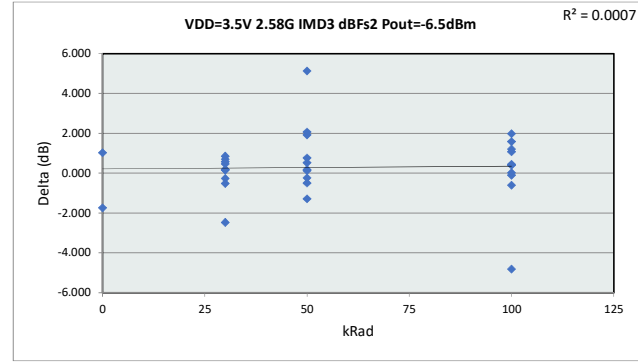


QMLP TID Report
TRF0208 QMLP

VDD=3.5V 2.58G IMD3 dBFs2 P

Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-82.07093569	-82.07093569
Min Limit	-114.3281455	-114.3281455

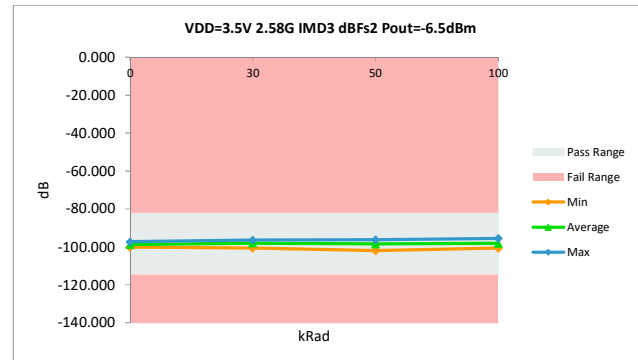
kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-99.141	-100.172	1.030	-1.04%	3.19%
0	C2	-99.039	-97.311	-1.728	1.74%	5.36%
30	1	-96.810	-96.551	-0.259	0.27%	0.80%
30	2	-97.141	-96.632	-0.509	0.52%	1.58%
30	3	-96.756	-97.463	0.707	-0.73%	2.19%
30	4	-99.582	-99.754	0.172	-0.17%	0.53%
30	5	-99.681	-100.546	0.864	-0.87%	2.68%
30	6 U	-101.515	-99.053	-2.462	2.43%	7.63%
30	7 U	-96.914	-97.497	0.583	-0.60%	1.81%
30	8 U	-97.321	-97.492	0.171	-0.18%	0.53%
30	9 U	-96.248	-96.446	0.198	-0.21%	0.61%
30	10 U	-98.084	-98.556	0.472	-0.48%	1.46%
50	11	-96.906	-97.438	0.533	-0.55%	1.65%
50	12	-97.917	-99.987	2.070	-2.11%	6.42%
50	13	-98.641	-98.776	0.136	-0.14%	0.42%
50	14	-96.885	-97.072	0.188	-0.19%	0.58%
50	15	-96.577	-97.348	0.772	-0.80%	2.39%
50	16 U	-97.816	-99.742	1.926	-1.97%	5.97%
50	17 U	-99.573	-99.080	-0.493	0.49%	1.53%
50	18 U	-96.471	-96.239	-0.232	0.24%	0.72%
50	19 U	-98.521	-97.244	-1.277	1.30%	3.96%
50	20 U	-96.828	-101.969	5.141	-5.31%	15.94%
100	21	-102.545	-97.737	-4.808	4.69%	14.90%
100	22	-99.840	-99.246	-0.594	0.59%	1.84%
100	23	-96.895	-96.800	-0.095	0.10%	0.30%
100	24	-97.908	-99.499	1.591	-1.62%	4.93%
100	25	-98.661	-100.651	1.991	-2.02%	6.17%
100	26 U	-99.434	-99.470	0.036	-0.04%	0.11%
100	27 U	-95.079	-95.485	0.406	-0.43%	1.26%
100	28 U	-95.141	-95.597	0.456	-0.48%	1.41%
100	29 U	-97.700	-98.787	1.087	-1.11%	3.37%
100	30 U	-95.531	-96.745	1.215	-1.27%	3.77%
Max		-95.079	-95.485	5.141	4.69%	15.94%
Average		-97.909	-98.200	0.290	-0.31%	3.31%
Min		-102.545	-101.969	-4.808	-5.31%	0.11%
Std Dev		1.706	1.613	1.606	1.62%	3.78%



VDD=3.5V 2.58G IMD3 dBFs2

Test Site		
Tester		
Test Number		
Max Limit	-82.07093569	dB
Min Limit	-114.3281455	dB

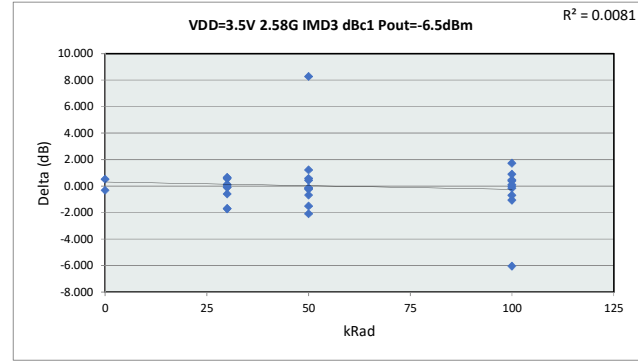
kRad	0	30	50	100
LL	-114.328	-114.328	-114.328	-114.328
Min	-100.172	-100.546	-101.969	-100.651
Average	-98.741	-97.999	-98.490	-98.002
Max	-97.311	-96.446	-96.239	-95.485
UL	-82.071	-82.071	-82.071	-82.071



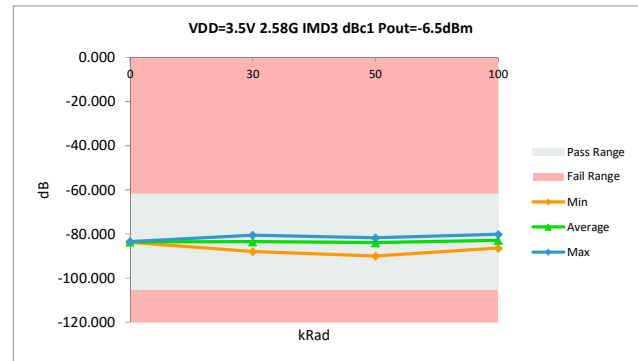
QMLP TID Report
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VDD=3.5V 2.58G IMD3 dBc1 Po		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-61.71764378	-61.71764378
Min Limit	-105.1171774	-105.1171774

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-83.697	-83.399	-0.298	0.36%	0.69%
0	C2	-83.216	-83.754	0.539	-0.65%	1.24%
30	1	-82.154	-80.474	-1.680	2.04%	3.87%
30	2	-83.277	-83.429	0.153	-0.18%	0.35%
30	3	-82.234	-82.155	-0.079	0.10%	0.18%
30	4	-87.326	-87.905	0.579	-0.66%	1.33%
30	5	-84.607	-85.252	0.645	-0.76%	1.49%
30	6 U	-86.193	-85.620	-0.573	0.66%	1.32%
30	7 U	-81.460	-82.125	0.665	-0.82%	1.53%
30	8 U	-83.959	-82.271	-1.688	2.01%	3.89%
30	9 U	-82.247	-82.307	0.060	-0.07%	0.14%
30	10 U	-83.000	-82.927	-0.073	0.09%	0.17%
50	11	-84.747	-83.261	-1.486	1.75%	3.43%
50	12	-84.929	-85.385	0.456	-0.54%	1.05%
50	13	-82.729	-82.500	-0.229	0.28%	0.53%
50	14	-81.860	-81.729	-0.131	0.16%	0.30%
50	15	-82.325	-82.186	-0.140	0.17%	0.32%
50	16 U	-84.235	-82.165	-2.069	2.46%	4.77%
50	17 U	-84.771	-86.004	1.233	-1.45%	2.84%
50	18 U	-81.703	-82.302	0.599	-0.73%	1.38%
50	19 U	-84.136	-83.473	-0.663	0.79%	1.53%
50	20 U	-81.675	-89.975	8.301	-10.16%	19.13%
100	21	-87.178	-81.144	-6.034	6.92%	13.90%
100	22	-85.196	-85.182	-0.014	0.02%	0.03%
100	23	-82.077	-82.990	0.913	-1.11%	2.10%
100	24	-83.394	-83.519	0.125	-0.15%	0.29%
100	25	-84.690	-86.429	1.739	-2.05%	4.01%
100	26 U	-84.857	-84.711	-0.146	0.17%	0.34%
100	27 U	-80.926	-81.329	0.403	-0.50%	0.93%
100	28 U	-80.588	-81.064	0.476	-0.59%	1.10%
100	29 U	-83.277	-82.235	-1.043	1.25%	2.40%
100	30 U	-80.832	-80.154	-0.678	0.84%	1.56%
	Max	-80.588	-80.154	8.301	6.92%	19.13%
	Average	-83.422	-83.417	-0.004	-0.01%	2.44%
	Min	-87.326	-89.975	-6.034	-10.16%	0.03%
	Std Dev	1.742	2.170	2.031	2.43%	3.97%



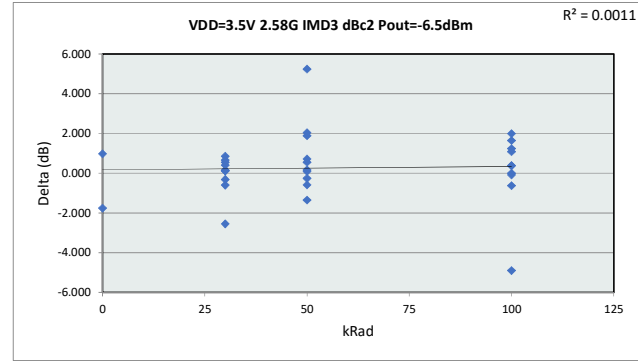
VDD=3.5V 2.58G IMD3 dBc1 P				
Test Site				
Tester				
Test Number				
Max Limit	-61.71764378		dB	
Min Limit	-105.1171774		dB	
kRad	0	30	50	100
LL	-105.117	-105.117	-105.117	-105.117
Min	-83.754	-87.905	-89.975	-86.429
Average	-83.577	-83.447	-83.898	-82.876
Max	-83.399	-80.474	-81.729	-80.154
UL	-61.718	-61.718	-61.718	-61.718



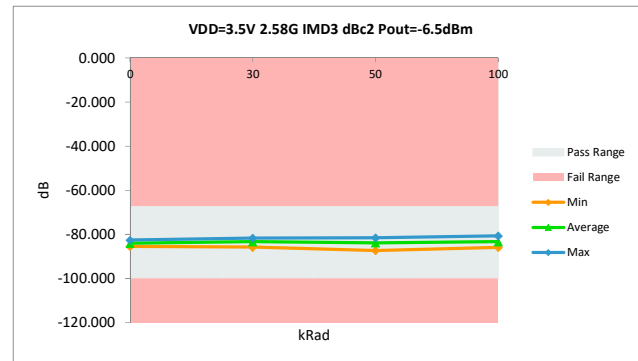
QMLP TID Report
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VDD=3.5V 2.58G IMD3 dBc2 Po		
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-67.20492005	-67.20492005
Min Limit	-99.78764987	-99.78764987

kRad	Serial #	Pre Params	Post Params	Delta	Delta %	% of Limit Range
0	C1	-84.494	-85.479	0.985	-1.17%	3.02%
0	C2	-84.375	-82.624	-1.750	2.07%	5.37%
30	1	-82.089	-81.779	-0.311	0.38%	0.95%
30	2	-82.493	-81.905	-0.588	0.71%	1.81%
30	3	-82.106	-82.775	0.669	-0.81%	2.05%
30	4	-84.902	-85.066	0.164	-0.19%	0.50%
30	5	-84.973	-85.831	0.858	-1.01%	2.63%
30	6 U	-86.913	-84.375	-2.537	2.92%	7.79%
30	7 U	-82.251	-82.813	0.562	-0.68%	1.73%
30	8 U	-82.650	-82.775	0.124	-0.15%	0.38%
30	9 U	-81.523	-81.661	0.138	-0.17%	0.42%
30	10 U	-83.465	-83.882	0.417	-0.50%	1.28%
50	11	-82.253	-82.813	0.560	-0.68%	1.72%
50	12	-83.224	-85.278	2.054	-2.47%	6.30%
50	13	-83.984	-84.081	0.097	-0.12%	0.30%
50	14	-82.146	-82.320	0.174	-0.21%	0.53%
50	15	-81.847	-82.571	0.724	-0.88%	2.22%
50	16 U	-83.172	-85.070	1.899	-2.28%	5.83%
50	17 U	-84.899	-84.325	-0.574	0.68%	1.76%
50	18 U	-81.790	-81.536	-0.254	0.31%	0.78%
50	19 U	-83.899	-82.559	-1.340	1.60%	4.11%
50	20 U	-82.069	-87.316	5.246	-6.39%	16.10%
100	21	-87.867	-82.982	-4.885	5.56%	14.99%
100	22	-85.155	-84.534	-0.621	0.73%	1.91%
100	23	-82.226	-82.151	-0.075	0.09%	0.23%
100	24	-83.222	-84.874	1.652	-1.99%	5.07%
100	25	-83.941	-85.938	1.997	-2.38%	6.13%
100	26 U	-84.767	-84.782	0.015	-0.02%	0.05%
100	27 U	-80.331	-80.719	0.388	-0.48%	1.19%
100	28 U	-80.475	-80.866	0.391	-0.49%	1.20%
100	29 U	-83.031	-84.121	1.090	-1.31%	3.35%
100	30 U	-80.836	-82.080	1.245	-1.54%	3.82%
	Max	-80.331	-80.719	5.246	5.56%	16.10%
	Average	-83.230	-83.496	0.266	-0.34%	3.30%
	Min	-87.867	-87.316	-4.885	-6.39%	0.05%
	Std Dev	1.721	1.629	1.634	1.93%	3.82%



VDD=3.5V 2.58G IMD3 dBc2 P				
Test Site				
Tester				
Test Number				
Max Limit	-67.20492005		dB	
Min Limit	-99.78764987		dB	
kRad	0	30	50	100
LL	-99.788	-99.788	-99.788	-99.788
Min	-85.479	-85.831	-87.316	-85.938
Average	-84.052	-83.286	-83.787	-83.305
Max	-82.624	-81.661	-81.536	-80.719
UL	-67.205	-67.205	-67.205	-67.205



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