



ABSTRACT

This report discusses the radiation characterization results of the THVD9491-SEP fault-protected full-duplex RS-422/RS-485 transceiver. The study was done to determine Total Ionizing Dose (TID) effects under high dose rate (HDR) up to 30krad(Si) as a one-time characterization. The results show that all samples passed within the specified limits up to 30krad(Si). Radiation Lot Acceptance Testing (RLAT) will be performed using 5 units at a dose level of 30krad(Si) per MIL-STD-883 TM 1019. All future wafer lots will be tested under the same conditions.

The THVD9491-SEP is packaged in a space enhanced plastic for low outgassing characteristics and is Single Event Latch-Up (SEL) immune up to 43MeV-cm² / mg, which makes the device an option for low Earth orbit space applications.

Table of Contents

1 Device Information	2
1.1 Device Details.....	2
2 Total Dose Test Setup	3
2.1 Test Overview.....	3
2.2 Test Description and Facilities.....	3
2.3 Test Setup Details.....	3
2.4 Test Configuration and Condition.....	4
3 TID Characterization Test Results	5
3.1 TID Characterization Summary Results.....	5
3.2 Specification Compliance Matrix.....	6
4 Reference Documents	9
5 Appendix A: HDR TID Report Data	9

List of Figures

Figure 2-1. THVD9491-SEP Biased Diagram.....	3
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List of Tables

Table 1-1. Device and Exposure Details.....	2
Table 2-1. HDR Characterization Device Information.....	4
Table 3-1. Electrical Parameters Table.....	6

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1 Device Information

The THVD9491-SEP is a space enhanced, $\pm 40\text{V}$ faultprotected full-duplex RS-422/RS-485 transceiver using a 1.65V to 5.5V logic supply for data and enable logic signals, and a 3V to 5.5V bus side supply. The device has a slew rate select feature that enables the use at two maximum speeds based on the SLR pin setting.

The device features integrated IEC ESD protection, eliminating the need for external system-level protection components. The $\pm 12\text{V}$ input commonmode range makes reliable data communication over longer cable run lengths and/or in the presence of large ground loop voltages. Enhanced 250mV receiver hysteresis provides high noise rejection. In addition, the receiver fail-safe feature makes sure of a logic high when the inputs are open or shorted together.

1.1 Device Details

[Table 1-1](#) lists the device information used for TID HDR characterization and qualification.

Table 1-1. Device and Exposure Details

TID HDR Details: up to 30krad(Si)	
TI Device Number	THVD9491-SEP
Package	14-pin D (SOIC)
Technology	LBC9
Die Lot Number	4083962
A/T Lot Number and Date Code	4566034ML4 / 48C78HK
Quantity Tested	20 irradiated devices + 3 control
Lot Accept or Reject	Devices passed 30krad(Si)
HDR Radiation Facility	Texas Instruments CLAB in Dallas, Texas
HDR Dose Level	10krad(Si), 20krad(Si), 30krad(Si)
HDR Dose Rate	168.26rad(Si)/s ionizing radiation
Effective Dose Rate with 72 hour Anneal	115.74mrad(Si)/s ionizing radiation
HDR Radiation Source	Gammacell 220 Excel (GC-220E) Co-60
Irradiation Temperature	Ambient, room temperature

2 Total Dose Test Setup

2.1 Test Overview

The THVD9491-SEP samples were irradiated at a high dose rate of 168.26rad(Si)/s up to 30krad(Si) (115.74mrad(Si)/s effective dose rate with 72 hour anneal) and then put through full electrical parametric testing on the production Automated Test Equipment (ATE). Additionally, other THVD9491-SEP samples were irradiated at a low dose rate of 9.56E-03rad(Si)/s up to 30krad(Si) and then put through full electrical parametric testing on the production Automated Test Equipment (ATE). Both sample sets were functional and passed all electrical parametric tests with readings within data sheet electrical specification limits.

The THVD9491-SEP LBC9 process technology contains Bipolar and CMOS components. In addition to an HDR TID, an ELDRS characterization was performed on technology process node (LBC9) that is used by this product. Results showed that worst case values post-irradiation were still within pre-radiation specification limits for both HDR and LDR, hence no ELDRS effects were exhibited. Thus, HDR will be performed on each wafer lot for future RLAT testing.

2.2 Test Description and Facilities

The THVD9491-SEP HDR exposure was performed on biased devices in a Co-60 gamma cell at a TI facility in Dallas, Texas. The un-attenuated dose rate of this cell is 168.26rads(Si)/s (115.74mrad(Si)/s effective dose rate with 72 hour anneal). After exposure, the devices were packed in dry ice (per MIL-STD-883 Method 1019.9 section 3.10) and full post radiation electrical evaluation using Texas Instruments ATE was conducted. ATE test limits are set per data sheet electrical limits based on qualification and characterization data. Post radiation measurements were taken within 30 minutes of removing the devices from the dry ice container. The devices were allowed to reach room temperature prior to electrical post radiation measurements.

2.3 Test Setup Details

The devices were tested in biased conditions as described in the following sections.

2.3.1 Bias Diagram

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

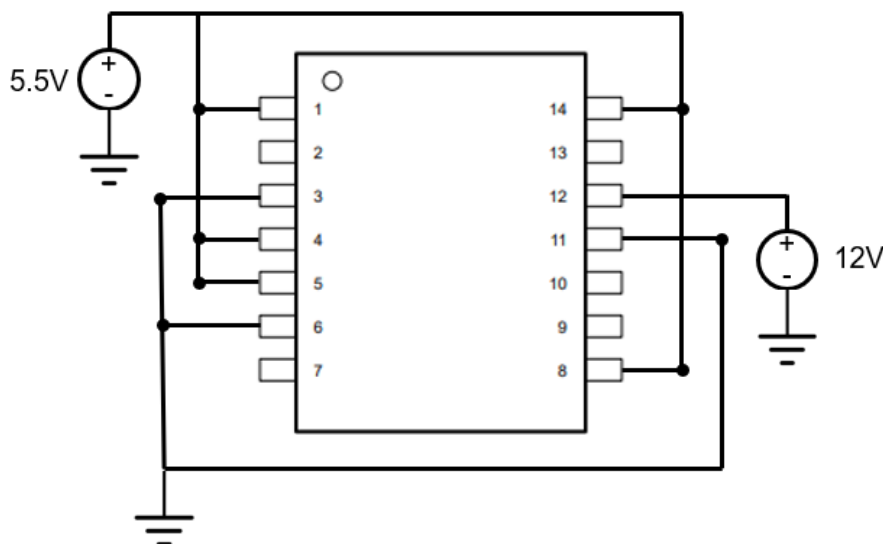


Figure 2-1. THVD9491-SEP Biased Diagram

2.4 Test Configuration and Condition

The main HDR irradiation characterization was performed at 10krad, 20krad and 30krad. The HDR RLAT units that were irradiated to 30krad(Si) were annealed at 25°C for 72 hours. Units irradiated to 30krad(Si) and were annealed for 72 hours are denoted as 31krad(Si) in the [Section 5](#) . ATE parametric testing was completed before and after the anneal

[Table 2-1](#) lists the serialized samples used for TID Radiation Lot Acceptance Testing (RLAT).

Table 2-1. HDR Characterization Device Information

Control Group	Dose Rate = 168.26rads(Si)/s Effective Dose Rate (Anneal 72 hours) = 115.74mrad(Si)/s			
	Total Samples: 5 Biased / TID Level			
Total Samples: 3	Exposure Levels			
0krad (Si)	10krad(Si)	20krad(Si)	30krad(Si)	
Biased	Biased	Biased	Biased	Biased + 72 hr anneal
1 - 3	4-8	9-13	14-18	19-23

3 TID Characterization Test Results

3.1 TID Characterization Summary Results

The parametric data for the THVD9491-SEP passes to 30krad(Si) HDR TID irradiation. The drifts of the electrical parameters through HDR were within the data sheet limits.

Overall, the THVD9491-SEP showed a strong degree of hardness to HDR TID irradiation up to 30krad(Si). The measurements taken post-irradiation for each sample set showed a marginal shift for most parameters at each dose level. The parameters that did show a greater degree of change between pre- and post-irradiation were still within the electrical performance characteristics specified in the data sheet electrical parameters. In accordance with MIL-STD-883K section 3.13.1.1, this device does not exhibit ELDRS effects due to every spec parameter post irradiation remaining below the pre-irradiation electrical specification limits at a low dose rate. For the datasheet electrical parameters and associated tests, see "THVD9491-SEP Datasheet".

See [Section 5](#) for HDR report up to 30krad(Si).

3.2 Specification Compliance Matrix

Table 3-1. Electrical Parameters Table

Description		Test Conditions	$T_A = -55^\circ\text{C to } +125^\circ\text{C}$		Unit	Test Name
			MIN	MAX		
I_{IO}	Logic supply current (quiescent), $V_{IO} = 3\text{V to } 3.6\text{V}$	Driver disabled, receiver enabled, SLR = V_{IO}	0	10	μA	3P6V_IIO_RE_SLRH
		Driver disabled, receiver enabled, SLR = GND	0	10	μA	3P6V_IIO_RE_SLRL
		Driver disabled, receiver disabled, SLR = V_{IO}	0	8.4	μA	3P6V_IIO_SLRH
		Driver disabled, receiver disabled, SLR = GND	0	8.4	μA	3P6V_IIO_SLRL
	Logic supply current (quiescent), $V_{IO} = 4.5\text{V to } 5.5\text{V}$	Driver disabled, receiver enabled, SLR = V_{IO}	0	10	μA	5P5V_IIO_RE_SLRH
		Driver disabled, receiver enabled, SLR = GND	0	10	μA	5P5V_IIO_RE_SLRL
		Driver disabled, receiver disabled, SLR = V_{IO}	0	8.4	μA	5P5V_IIO_SLRH
		Driver disabled, receiver disabled, SLR = GND	0	8.4	μA	5P5V_IIO_SLRL
I_{OS}	Short-circuit output current	DE = V_{IO} , $-70\text{V} \leq (V_A \text{ or } V_B) \leq 70\text{V}$, or A shorted to B (A/B are driver terminals for half duplex, Y/Z are for full duplex)	-250	250	mA	DH_IOSH_Y_10V, DH_IOSH_Z_10V, DH_IOSL_Y_N7V, DH_IOSL_Z_N7V, DL_IOSH_Y_10V, DL_IOSH_Z_10V, DL_IOSL_Y_N7V, DL_IOSL_Z_N7V
$\Delta V_{OC(SS)}$	Change in steady-state common-mode output voltage	$V_{CC} = 4.5\text{V}$, $R_L = 54\Omega$	-50	50	mV	DVOC_54Z_4P5V
$\Delta V_{OD} $	Change in differential output voltage	$V_{CC} = 4.5\text{V}$, $R_L = 100\Omega$	-200	200	mV	DVOD_100Z_4P5V
		$V_{CC} = 3\text{V}$, $R_L = 60\Omega$	-200	200	mV	DVOD_60Z_3P0V
		$V_{CC} = 4.5\text{V}$, $R_L = 60\Omega$	-200	200	mV	DVOD_60Z_4P5V
I_{CC}	Supply current (quiescent), $V_{CC} = 4.5\text{V to } 5.5\text{V}$	Driver and receiver enabled RE = 0V, DE = V_{IO} , No load	0	7.2	mA	ICC_BOTH_EN_5P5V
		Driver enabled, receiver disabled RE = V_{IO} , DE = V_{IO} , No load	0	4.2	mA	ICC_DE_5P5
		Driver disabled, receiver enabled RE = 0V, DE = 0V, No load	0	3	mA	ICC_RE_5P5
		Driver and receiver disabled RE = V_{IO} , DE = 0V, D = open, no load	0	100	μA	ICC_DD_RD_5P5
	Supply current (quiescent), $V_{CC} = 3\text{V to } 3.6\text{V}$	Driver and receiver enabled RE = 0V, DE = V_{IO} , No load	0	5	mA	ICC_BOTH_EN_3P6V
		Driver enabled, receiver disabled RE = V_{IO} , DE = V_{IO} , No load	0	3	mA	ICC_DE_3P6
		Driver disabled, receiver enabled RE = 0V, DE = 0V, No load	0	3	mA	ICC_RE_3P6
		Driver and receiver disabled RE = V_{IO} , DE = 0V, D = open, no load	0	100	μA	ICC_DD_RD_3P6

Table 3-1. Electrical Parameters Table (continued)

Description		Test Conditions	T _A = -55°C to +125°C		Unit	Test Name
			MIN	MAX		
I _I	Bus Input current	DE = 0V, V _{CC} and V _{IO} = 0V or 5.5V, V _I = 12V	0	125	μA	II_12V_A_5P5V, II_12V_A_5P5V_ENREB, II_12V_A_OFF, II_12V_A_OFF_ENREB, II_12V_B_5P5V, II_12V_B_5P5V_ENREB, II_12V_B_OFF, II_12V_B_OFF_ENREB
		DE = 0V, V _{CC} and V _{IO} = 0V or 5.5V, V _I = 25V	0	250	μA	II_25V_A_5P5V, II_25V_A_5P5V_ENREB, II_25V_A_OFF, II_25V_A_OFF_ENREB, II_25V_B_5P5V, II_25V_B_5P5V_ENREB, II_25V_B_OFF, II_25V_B_OFF_ENREB
		DE = 0V, V _{CC} and V _{IO} = 0V or 5.5V, V _I = -25V	-350	0	μA	II_N25V_A_5P5V, II_N25V_A_5P5V_ENREB, II_N25V_A_OFF, II_N25V_A_OFF_ENREB, II_N25V_B_5P5V, II_N25V_B_5P5V_ENREB, II_N25V_B_OFF, II_N25V_B_OFF_ENREB
		DE = 0V, V _{CC} and V _{IO} = 0V or 5.5V, V _I = -7V	-100	0	μA	II_N7V_A_5P5V, II_N7V_A_5P5V_ENREB, II_N7V_A_OFF, II_N7V_A_OFF_ENREB, II_N7V_B_5P5V, II_N7V_B_5P5V_ENREB, II_N7V_B_OFF, II_N7V_B_OFF_ENREB
I _{IN}	Input current (D, RE)	1.65V ≤ V _{IO} ≤ 5.5V, 0V ≤ V _{IN} ≤ V _{IO}	-5		μA	IIH_D, IIH_RE, IIL_D, IIL_RE
	Input current (DE, SLR)	1.65V ≤ V _{IO} ≤ 5.5V, 0V ≤ V _{IN} ≤ V _{IO}		5	μA	IIH_DE, IIH_SLR, IIL_DE, IIL_SLR
I _{OZ}	Output high-impedance current, R _{pin}	VO = 0V, RE = V _{IO}	-1	1	μA	IOZR_GND
		VO = V _{IO} , RE = V _{IO}	-1	1	μA	IOZR_VIO
UV _{VCC(falling)}	Falling under-voltage threshold on V _{CC}		1.95	2.5	V	UVLO_VCC_FALL_ICC
UV _{VCC(hys)}	Hysteresis on under-voltage of V _{CC}		0.1	0.25	V	UVLO_VCC_HYS
UV _{VCC(rising)}	Rising under-voltage threshold on V _{CC}		2	2.6	V	UVLO_VCC_RISE_ICC
UV _{VIO(falling)}	Falling under-voltage threshold on V _{IO}		1.2	1.5	V	UVLO_VIO_FALL_ICC
UV _{VIO(hys)}	Hysteresis on under-voltage of V _{IO}		0.05	0.2	V	UVLO_VIO_HYS

Table 3-1. Electrical Parameters Table (continued)

Description		Test Conditions	T _A = -55°C to +125°C		Unit	Test Name
			MIN	MAX		
UV _{VIO(rising)}	Rising under-voltage threshold on V _{IO}		1.3	1.6	V	UVLO_VIO_RISE_ICC
V _{OC}	Common-mode output voltage	R _L = 54Ω	1	3	V	VOCH_54Z_4P5V, VOCL_54Z_4P5V
V _{OD}	Driver differential output voltage magnitude	R _L = 100Ω, V _{CC} = 4.5V	2	4.5	V	VODH_100Z_4P5V, VODL_100Z_4P5V
		R _L = 60Ω, V _{CC} = 3V	1.5	3	V	VODH_60Z_3P0V, VODL_60Z_3P0V
		R _L = 60Ω, V _{CC} = 4.5V	2.1	4.5	V	VODH_60Z_4P5V, VODL_60Z_4P5V
V _{OH}	Output high voltage	I _{OH} = -4mA, V _{IO} = 1.65V to 1.95V or 2.25V to 2.75V	1.25	1.65	V	VOH_NORM_1P65_VIO__H D_VIO_VOHR
		I _{OH} = -8mA, V _{IO} = 3V to 3.6V or 4.5V to 5.5V	2.6	3	V	VOH_NORM_3P0_VIO__HD _VIO_VOHR
V _{OL}	Output low voltage	I _{OL} = 4mA, V _{IO} = 1.65V to 1.95V or 2.25V to 2.75V	0	0.4	V	VOL_NORM_1P65_VIO__H D_VIO_VOLR
		I _{OH} = 8mA, V _{IO} = 3V to 3.6V or 4.5V to 5.5V	0	0.4	V	VOL_NORM_3P0_VIO__HD _VIO_VOLR

4 Reference Documents

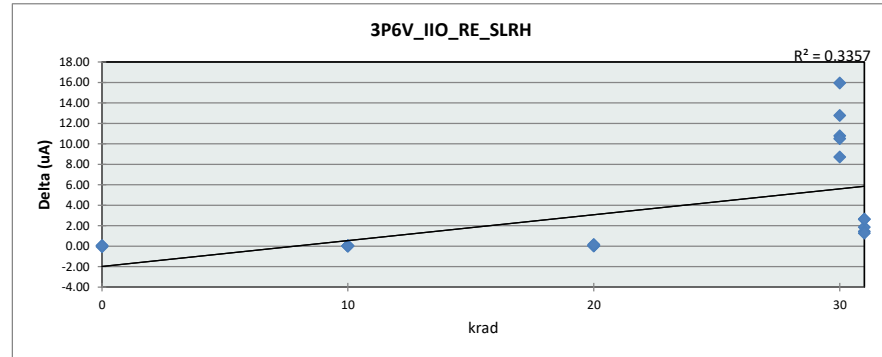
Texas Instruments total ionizing dose radiation (total dose) test procedure follows the standards put forth in MIL-STD-883 TM 1019. The document can be found on the DLA website.

5 Appendix A: HDR TID Report Data

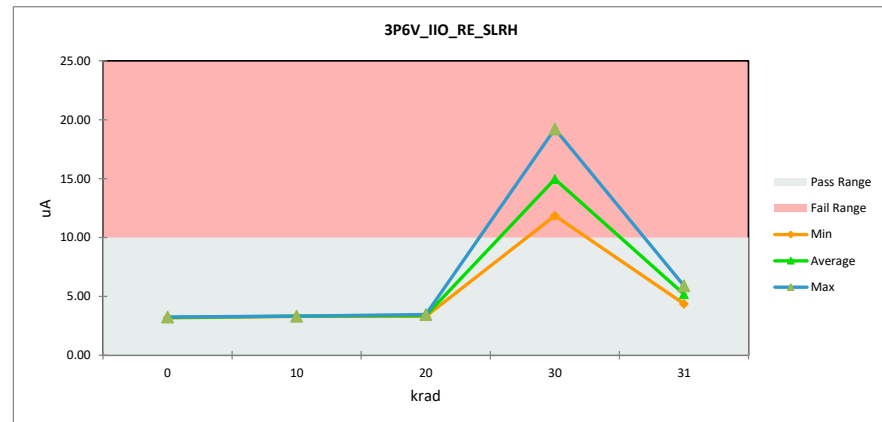
This appendix provides the THVD9491-SEP TID HDR report. The report shows the variation for each parameter up to 30 krad(Si).

TID Report THVD9491-SEP

3P6V_IIO_RE_SLRH						
Units		uA				
Max Limit		10				
Min Limit		0				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	3.135	3.208	0.07	2.33%	0.73%
0	2	3.209	3.173	-0.04	-1.12%	0.36%
0	3	3.207	3.250	0.04	1.34%	0.43%
10	4	3.253	3.294	0.04	1.26%	0.41%
10	5	3.268	3.308	0.04	1.22%	0.40%
10	6	3.281	3.320	0.04	1.19%	0.39%
10	7	3.286	3.326	0.04	1.22%	0.40%
10	8	3.268	3.309	0.04	1.25%	0.41%
20	9	3.267	3.309	0.04	1.29%	0.42%
20	10	3.256	3.378	0.12	3.75%	1.22%
20	11	3.261	3.356	0.10	2.91%	0.95%
20	12	3.273	3.315	0.04	1.28%	0.42%
20	13	3.280	3.462	0.18	5.55%	1.82%
30	14	3.270	16.060	12.79	391.13%	127.90%
30	15	3.260	19.220	15.96	489.57%	159.60%
30	16	3.119	11.850	8.73	279.93%	87.31%
30	17	3.255	14.050	10.80	331.64%	107.95%
30	18	3.083	13.610	10.53	341.45%	105.27%
31	19	3.270	5.134	1.86	57.02%	18.64%
31	20	3.260	4.719	1.46	44.77%	14.59%
31	21	3.119	5.777	2.66	85.23%	26.58%
31	22	3.255	5.901	2.65	81.30%	26.46%
31	23	3.083	4.366	1.28	41.63%	12.83%
	Max	3.286	19.220	15.93	489.57%	159.60%
	Average	3.227	6.248	3.02	94.22%	30.24%
	Min	3.083	3.173	0.09	-1.12%	0.36%
	Std Dev	0.068	4.912	4.84	152.90%	49.22%



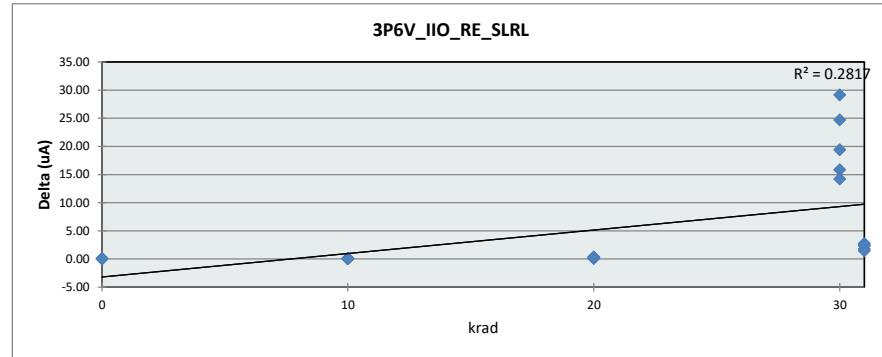
3P6V_IIO_RE_SLRH						
Units		uA				
Max Limit		10				
Min Limit		0				
krad		0	10	20	30	31
LL		0.000	0.000	0.000	0.000	0.000
Min		3.173	3.294	3.309	11.850	4.366
Average		3.210	3.311	3.364	14.958	5.180
Max		3.250	3.326	3.462	19.220	5.901
UL		10.000	10.000	10.000	10.000	10.000



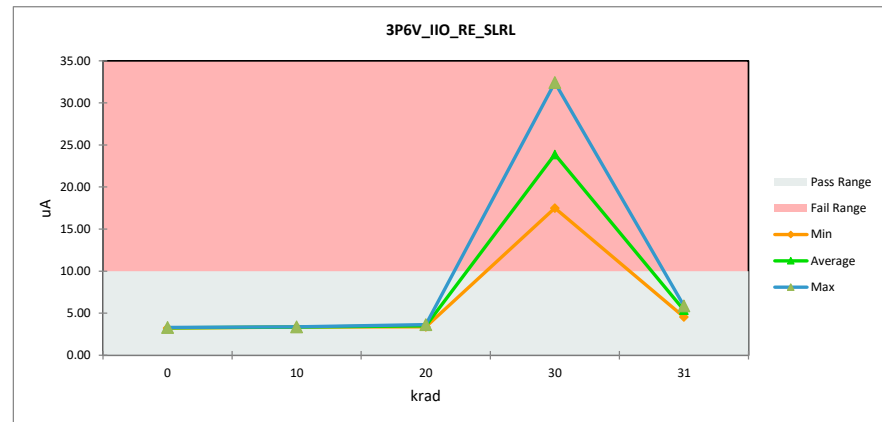
TID Report

THVD9491-SEP

3P6V_IIO_RE_SLRL						
Units	uA					
Max Limit	10					
Min Limit	0					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	3.128	3.260	0.13	4.22%	1.32%
0	2	3.206	3.225	0.02	0.59%	0.19%
0	3	3.205	3.304	0.10	3.09%	0.99%
10	4	3.252	3.347	0.10	2.92%	0.95%
10	5	3.266	3.361	0.10	2.91%	0.95%
10	6	3.278	3.375	0.10	2.96%	0.97%
10	7	3.279	3.376	0.10	2.96%	0.97%
10	8	3.267	3.361	0.09	2.88%	0.94%
20	9	3.257	3.596	0.34	10.41%	3.39%
20	10	3.253	3.453	0.20	6.15%	2.00%
20	11	3.257	3.448	0.19	5.86%	1.91%
20	12	3.269	3.374	0.11	3.21%	1.05%
20	13	3.278	3.633	0.36	10.83%	3.55%
30	14	3.268	28.000	24.73	756.79%	247.32%
30	15	3.261	32.420	29.16	894.17%	291.59%
30	16	3.118	18.990	15.87	509.04%	158.72%
30	17	3.254	17.500	14.25	437.80%	142.46%
30	18	3.081	22.490	19.41	629.96%	194.09%
31	19	3.268	5.631	2.36	72.30%	23.63%
31	20	3.261	5.050	1.79	54.86%	17.89%
31	21	3.118	5.880	2.76	88.58%	27.62%
31	22	3.254	5.756	2.50	76.89%	25.02%
31	23	3.081	4.553	1.47	47.77%	14.72%
	Max	3.279	32.420	29.14	894.17%	291.59%
	Average	3.224	8.278	5.05	157.70%	50.53%
	Min	3.081	3.225	0.14	0.59%	0.19%
	Std Dev	0.067	8.861	8.79	275.73%	88.71%



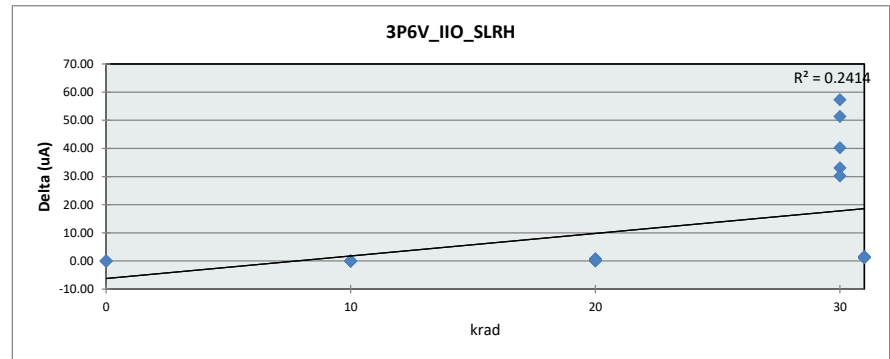
3P6V_IIO_RE_SLRL					
Units	uA				
Max Limit	10				
Min Limit	0				
krad	0	10	20	30	31
LL	0.000	0.000	0.000	0.000	0.000
Min	3.225	3.347	3.374	17.500	4.553
Average	3.263	3.364	3.501	23.880	5.374
Max	3.304	3.376	3.633	32.420	5.880
UL	10.000	10.000	10.000	10.000	10.000



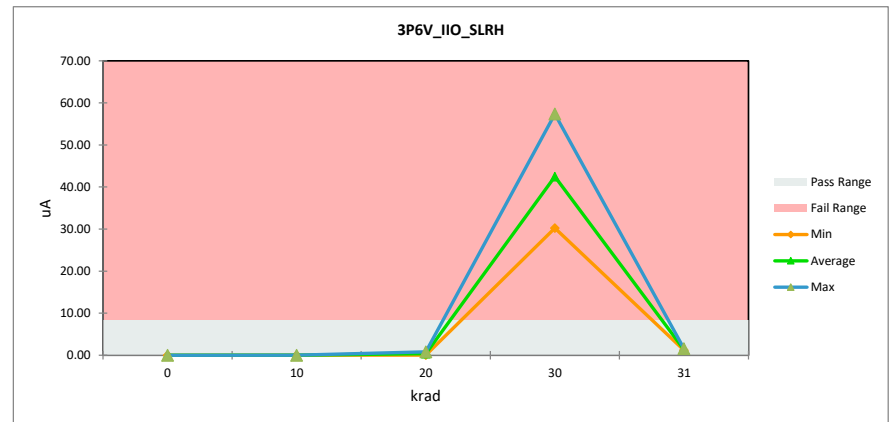
TID Report

THVD9491-SEP

		3P6V_IIO_SLRH				
Units		uA				
Max Limit		8.4				
Min Limit		0				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.003	0.014	0.01	421.86%	0.13%
0	2	0.003	0.013	0.01	403.98%	0.13%
0	3	0.002	0.015	0.01	555.42%	0.15%
10	4	0.003	0.011	0.01	288.25%	0.10%
10	5	0.002	0.013	0.01	440.22%	0.12%
10	6	0.003	0.013	0.01	389.76%	0.12%
10	7	0.003	0.014	0.01	409.66%	0.13%
10	8	0.003	0.013	0.01	415.98%	0.13%
20	9	0.004	0.641	0.64	17445.83%	7.59%
20	10	0.002	0.834	0.83	35908.64%	9.90%
20	11	0.003	0.158	0.16	6011.33%	1.85%
20	12	0.003	0.042	0.04	1505.31%	0.47%
20	13	0.003	0.332	0.33	12904.69%	3.93%
30	14	0.003	57.350	57.35	2216753.50%	682.71%
30	15	0.004	51.370	51.37	1307690.22%	611.50%
30	16	0.003	33.120	33.12	1317322.43%	394.26%
30	17	0.003	30.230	30.23	1076850.48%	359.85%
30	18	0.003	40.300	40.30	1526993.60%	479.73%
31	19	0.003	1.597	1.59	61641.79%	18.98%
31	20	0.004	1.431	1.43	36337.37%	16.99%
31	21	0.003	1.224	1.22	48597.69%	14.54%
31	22	0.003	1.348	1.35	47932.06%	16.02%
31	23	0.003	1.182	1.18	44699.55%	14.04%
	Max	0.004	57.350	57.35	2216753.50%	682.71%
	Average	0.003	9.620	9.62	337474.77%	114.49%
	Min	0.002	0.011	0.01	288.25%	0.10%
	Std Dev	0.000	18.396	18.40	648243.43%	218.99%

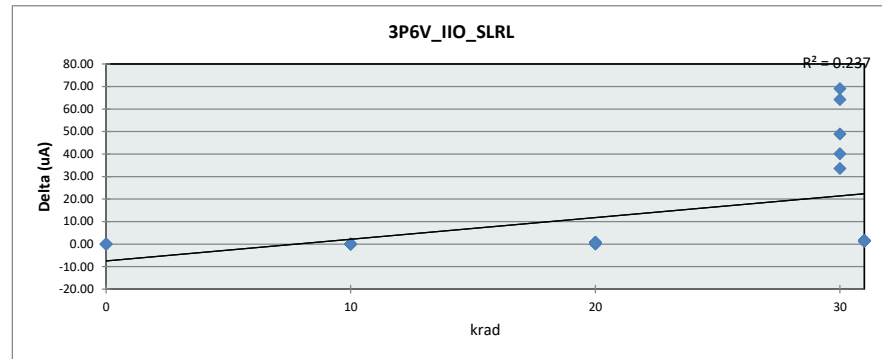


		3P6V_IIO_SLRH				
Units		uA				
Max Limit		8.4				
Min Limit		0				
krad		0	10	20	30	31
LL		0.000	0.000	0.000	0.000	0.000
Min		0.013	0.011	0.042	30.230	1.182
Average		0.014	0.013	0.401	42.474	1.357
Max		0.015	0.014	0.834	57.350	1.597
UL		8.400	8.400	8.400	8.400	8.400

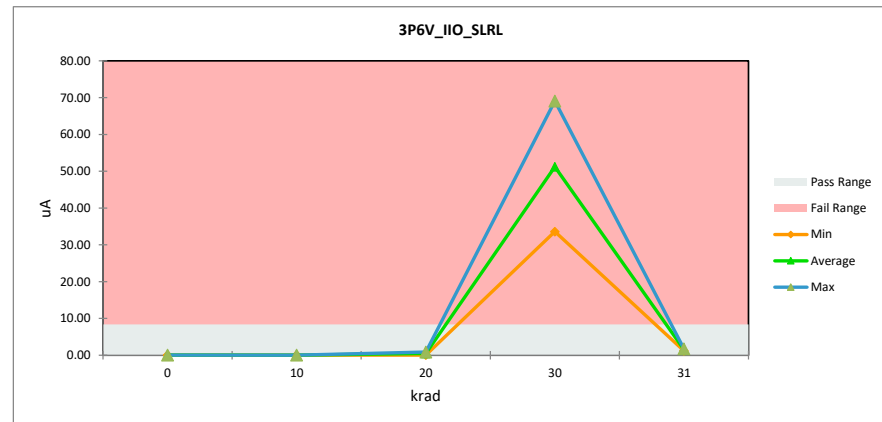


TID Report THVD9491-SEP

		3P6V_IIO_SLRL				
Units		uA				
Max Limit		8.4				
Min Limit		0				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.003	0.023	0.02	612.31%	0.24%
0	2	0.003	0.024	0.02	659.26%	0.25%
0	3	0.003	0.023	0.02	581.20%	0.23%
10	4	0.003	0.022	0.02	564.17%	0.22%
10	5	0.003	0.023	0.02	592.97%	0.23%
10	6	0.003	0.022	0.02	619.71%	0.23%
10	7	0.003	0.023	0.02	608.27%	0.23%
10	8	0.003	0.023	0.02	591.09%	0.23%
20	9	0.004	0.877	0.87	21256.55%	10.39%
20	10	0.003	0.865	0.86	24934.72%	10.26%
20	11	0.004	0.204	0.20	5223.04%	2.38%
20	12	0.003	0.056	0.05	1682.89%	0.63%
20	13	0.003	0.442	0.44	14505.22%	5.23%
30	14	0.003	69.080	69.08	2010962.59%	822.34%
30	15	0.005	64.250	64.25	1384598.28%	764.83%
30	16	0.003	40.130	40.13	1168167.83%	477.70%
30	17	0.004	33.600	33.60	888553.80%	399.95%
30	18	0.003	48.950	48.95	1446840.59%	582.70%
31	19	0.003	1.723	1.72	50052.55%	20.47%
31	20	0.005	1.599	1.59	34355.60%	18.98%
31	21	0.003	1.599	1.60	46442.65%	18.99%
31	22	0.004	1.537	1.53	40543.75%	18.25%
31	23	0.003	1.205	1.20	35511.59%	14.30%
	Max	0.005	69.080	69.08	2010962.59%	822.34%
	Average	0.004	11.578	11.57	312106.98%	137.79%
	Min	0.003	0.022	0.02	564.17%	0.22%
	Std Dev	0.000	22.326	22.33	602200.18%	265.79%



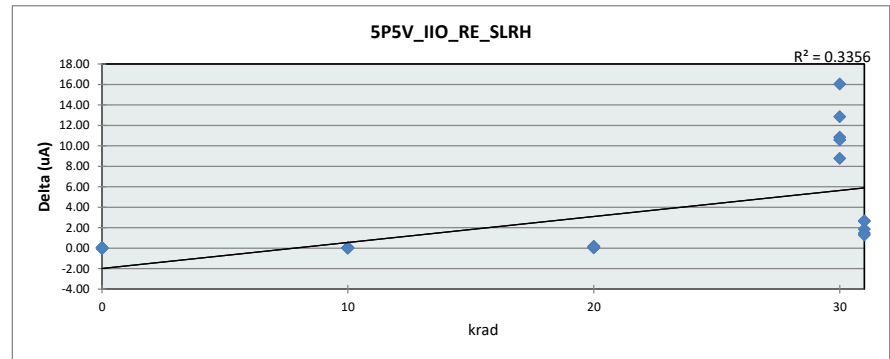
		3P6V_IIO_SLRL				
Units		uA				
Max Limit		8.4				
Min Limit		0				
krad		0	10	20	30	31
LL		0.000	0.000	0.000	0.000	0.000
Min		0.023	0.022	0.056	33.600	1.205
Average		0.023	0.022	0.489	51.202	1.532
Max		0.024	0.023	0.877	69.080	1.723
UL		8.400	8.400	8.400	8.400	8.400



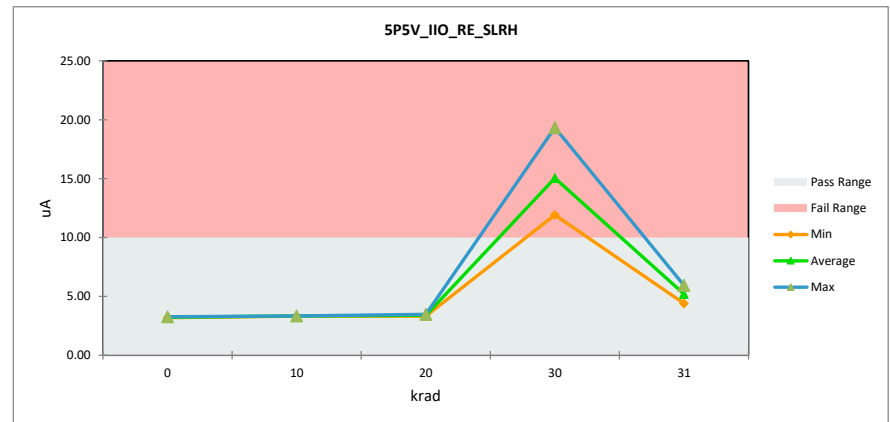
TID Report

THVD9491-SEP

5P5V_IIO_RE_SLRH						
Units	uA					
Max Limit	10					
Min Limit	0					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	3.145	3.226	0.08	2.57%	0.81%
0	2	3.226	3.191	-0.04	-1.09%	0.35%
0	3	3.220	3.268	0.05	1.50%	0.48%
10	4	3.267	3.312	0.05	1.39%	0.45%
10	5	3.281	3.327	0.05	1.39%	0.46%
10	6	3.294	3.339	0.04	1.35%	0.45%
10	7	3.295	3.345	0.05	1.51%	0.50%
10	8	3.281	3.328	0.05	1.42%	0.47%
20	9	3.274	3.328	0.05	1.64%	0.54%
20	10	3.269	3.397	0.13	3.91%	1.28%
20	11	3.273	3.375	0.10	3.11%	1.02%
20	12	3.284	3.334	0.05	1.51%	0.50%
20	13	3.293	3.481	0.19	5.72%	1.88%
30	14	3.284	16.150	12.87	391.78%	128.66%
30	15	3.273	19.328	16.05	490.52%	160.55%
30	16	3.136	11.916	8.78	279.99%	87.80%
30	17	3.269	14.129	10.86	332.20%	108.60%
30	18	3.098	13.686	10.59	341.78%	105.88%
31	19	3.284	5.163	1.88	57.22%	18.79%
31	20	3.273	4.746	1.47	45.00%	14.73%
31	21	3.136	5.810	2.67	85.26%	26.74%
31	22	3.269	5.935	2.67	81.54%	26.66%
31	23	3.098	4.391	1.29	41.73%	12.93%
	Max	3.295	19.328	16.03	490.52%	160.55%
	Average	3.240	6.283	3.04	94.48%	30.46%
	Min	3.098	3.191	0.09	-1.09%	0.35%
	Std Dev	0.066	4.940	4.87	153.06%	49.49%



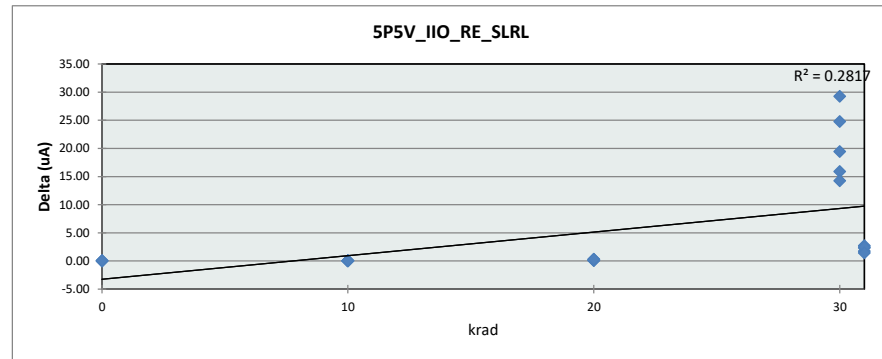
5P5V_IIO_RE_SLRH					
Units	uA				
Max Limit	10				
Min Limit	0				
krad	0	10	20	30	31
LL	0.000	0.000	0.000	0.000	0.000
Min	3.191	3.312	3.328	11.916	4.391
Average	3.228	3.330	3.383	15.042	5.209
Max	3.268	3.345	3.481	19.328	5.935
UL	10.000	10.000	10.000	10.000	10.000



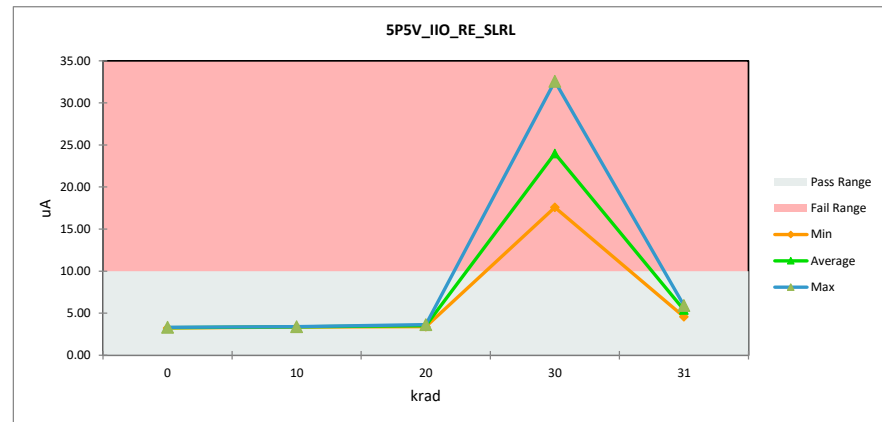
TID Report

THVD9491-SEP

5P5V_IIO_RE_SLRL						
Units	uA					
Max Limit	10					
Min Limit	0					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	3.176	3.275	0.10	3.12%	0.99%
0	2	3.254	3.240	-0.01	-0.44%	0.14%
0	3	3.250	3.319	0.07	2.13%	0.69%
10	4	3.298	3.362	0.06	1.95%	0.64%
10	5	3.311	3.376	0.07	1.98%	0.65%
10	6	3.324	3.391	0.07	2.00%	0.67%
10	7	3.325	3.392	0.07	2.00%	0.67%
10	8	3.313	3.376	0.06	1.92%	0.63%
20	9	3.305	3.613	0.31	9.31%	3.08%
20	10	3.300	3.469	0.17	5.12%	1.69%
20	11	3.303	3.464	0.16	4.87%	1.61%
20	12	3.314	3.390	0.08	2.28%	0.76%
20	13	3.324	3.650	0.33	9.80%	3.26%
30	14	3.314	28.129	24.81	748.79%	248.15%
30	15	3.304	32.569	29.27	885.75%	292.65%
30	16	3.167	19.077	15.91	502.38%	159.10%
30	17	3.300	17.581	14.28	432.74%	142.81%
30	18	3.131	22.593	19.46	621.61%	194.62%
31	19	3.314	5.657	2.34	70.69%	23.43%
31	20	3.304	5.073	1.77	53.55%	17.69%
31	21	3.167	5.907	2.74	86.52%	27.40%
31	22	3.300	5.782	2.48	75.22%	24.82%
31	23	3.131	4.574	1.44	46.08%	14.43%
	Max	3.325	32.569	29.24	885.75%	292.65%
	Average	3.271	8.316	5.04	155.19%	50.46%
	Min	3.131	3.240	0.11	-0.44%	0.14%
	Std Dev	0.066	8.902	8.84	273.09%	89.11%

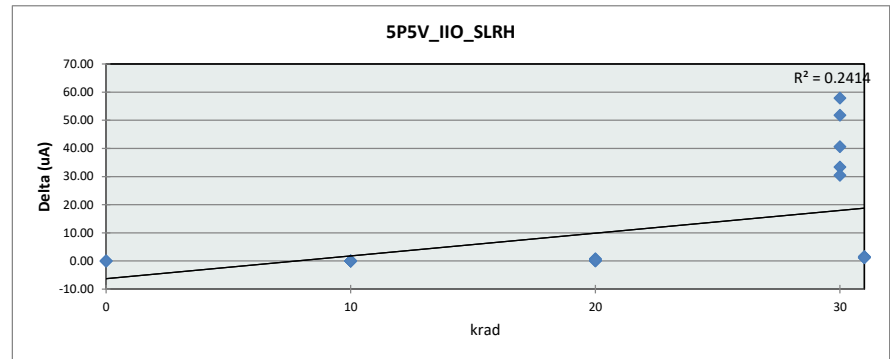


5P5V_IIO_RE_SLRL					
Units	uA				
Max Limit	10				
Min Limit	0				
krad	0	10	20	30	31
LL	0.000	0.000	0.000	0.000	0.000
Min	3.240	3.362	3.390	17.581	4.574
Average	3.278	3.379	3.517	23.990	5.399
Max	3.319	3.392	3.650	32.569	5.907
UL	10.000	10.000	10.000	10.000	10.000

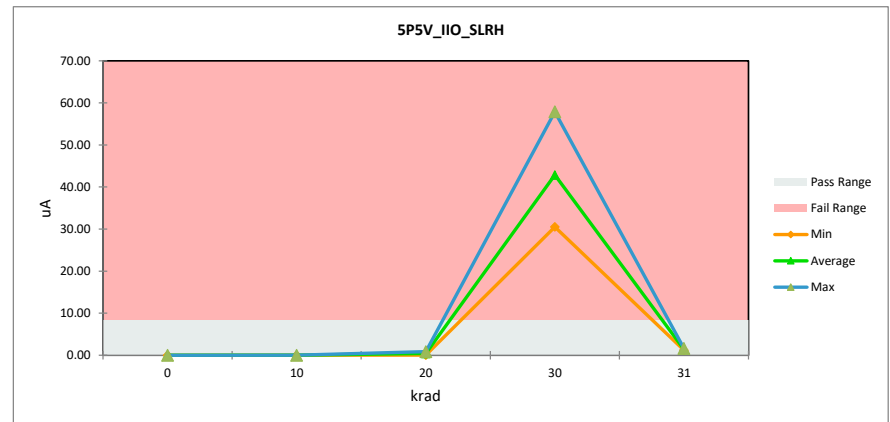


TID Report THVD9491-SEP

5P5V_IIO_SLRH						
Units	uA					
Max Limit	8.4					
Min Limit	0					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.006	0.014	0.01	131.27%	0.09%
0	2	0.006	0.013	0.01	135.98%	0.09%
0	3	0.006	0.015	0.01	145.20%	0.11%
10	4	0.005	0.011	0.01	104.87%	0.07%
10	5	0.005	0.013	0.01	135.91%	0.09%
10	6	0.005	0.013	0.01	134.75%	0.09%
10	7	0.005	0.014	0.01	163.84%	0.10%
10	8	0.006	0.014	0.01	144.06%	0.10%
20	9	0.006	0.647	0.64	10113.03%	7.63%
20	10	0.006	0.841	0.84	15168.04%	9.95%
20	11	0.005	0.160	0.15	2869.56%	1.84%
20	12	0.005	0.042	0.04	672.42%	0.44%
20	13	0.005	0.335	0.33	6279.96%	3.93%
30	14	0.005	57.878	57.87	1060512.42%	688.95%
30	15	0.007	51.843	51.84	740826.17%	617.09%
30	16	0.006	33.425	33.42	528186.77%	397.84%
30	17	0.006	30.508	30.50	549496.76%	363.13%
30	18	0.006	40.671	40.66	629186.09%	484.10%
31	19	0.005	1.612	1.61	29439.21%	19.12%
31	20	0.007	1.444	1.44	20543.53%	17.11%
31	21	0.006	1.236	1.23	19427.79%	14.63%
31	22	0.006	1.361	1.36	24412.05%	16.13%
31	23	0.006	1.193	1.19	18361.04%	14.13%
	Max	0.007	57.878	57.87	1060512.42%	688.95%
	Average	0.006	9.709	9.70	158982.20%	115.51%
	Min	0.005	0.011	0.01	104.87%	0.07%
	Std Dev	0.001	18.565	18.56	306887.61%	221.01%

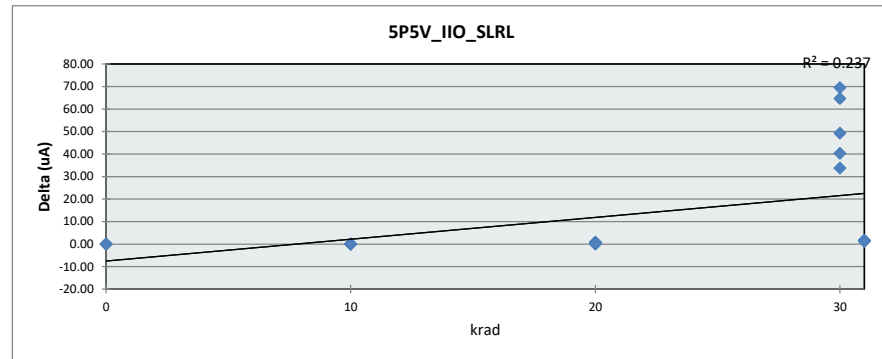


5P5V_IIO_SLRH					
Units	uA				
Max Limit	8.4				
Min Limit	0				
krad	0	10	20	30	31
LL	0.000	0.000	0.000	0.000	0.000
Min	0.013	0.011	0.042	30.508	1.193
Average	0.014	0.013	0.405	42.865	1.369
Max	0.015	0.014	0.841	57.878	1.612
UL	8.400	8.400	8.400	8.400	8.400

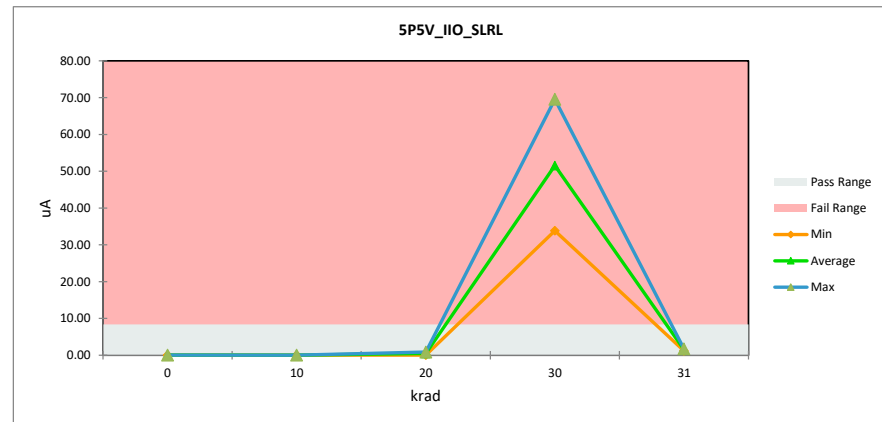


TID Report THVD9491-SEP

		5P5V_IIO_SLRL				
Units		uA				
Max Limit		8.4				
Min Limit		0				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.010	0.023	0.01	130.78%	0.16%
0	2	0.009	0.024	0.01	160.01%	0.18%
0	3	0.010	0.023	0.01	140.47%	0.16%
10	4	0.009	0.022	0.01	140.43%	0.16%
10	5	0.009	0.023	0.01	159.79%	0.17%
10	6	0.009	0.022	0.01	138.49%	0.15%
10	7	0.009	0.023	0.01	149.34%	0.16%
10	8	0.009	0.023	0.01	146.55%	0.16%
20	9	0.010	0.883	0.87	8580.19%	10.39%
20	10	0.010	0.871	0.86	8968.16%	10.25%
20	11	0.009	0.205	0.20	2099.99%	2.33%
20	12	0.009	0.056	0.05	516.18%	0.56%
20	13	0.009	0.445	0.44	4657.99%	5.19%
30	14	0.009	69.543	69.53	743355.59%	827.78%
30	15	0.011	64.680	64.67	599348.33%	769.88%
30	16	0.011	40.399	40.39	383191.00%	480.81%
30	17	0.009	33.825	33.82	365616.51%	402.57%
30	18	0.011	49.278	49.27	454074.79%	586.51%
31	19	0.009	1.734	1.72	18440.54%	20.53%
31	20	0.011	1.609	1.60	14816.14%	19.03%
31	21	0.011	1.609	1.60	15169.94%	19.03%
31	22	0.009	1.547	1.54	16626.52%	18.31%
31	23	0.011	1.213	1.20	11077.99%	14.31%
	Max	0.011	69.543	69.53	743355.59%	827.78%
	Average	0.010	11.656	11.65	115117.64%	138.64%
	Min	0.009	0.022	0.01	130.78%	0.15%
	Std Dev	0.001	22.476	22.48	223104.38%	267.56%



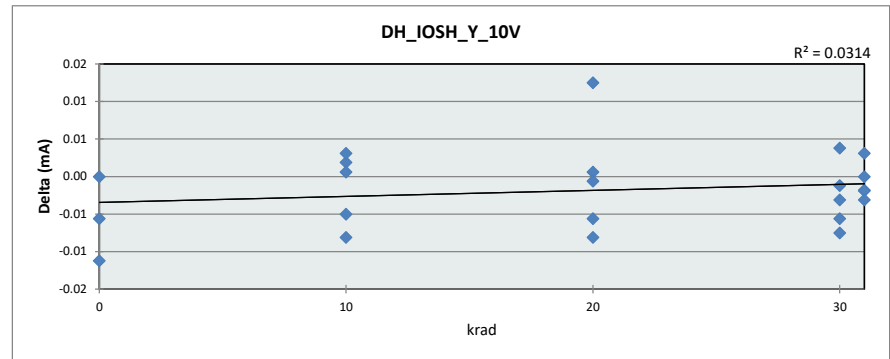
		5P5V_IIO_SLRL				
Units		uA				
Max Limit		8.4				
Min Limit		0				
krad		0	10	20	30	31
LL		0.000	0.000	0.000	0.000	0.000
Min		0.023	0.022	0.056	33.825	1.213
Average		0.024	0.023	0.492	51.545	1.543
Max		0.024	0.023	0.883	69.543	1.734
UL		8.400	8.400	8.400	8.400	8.400



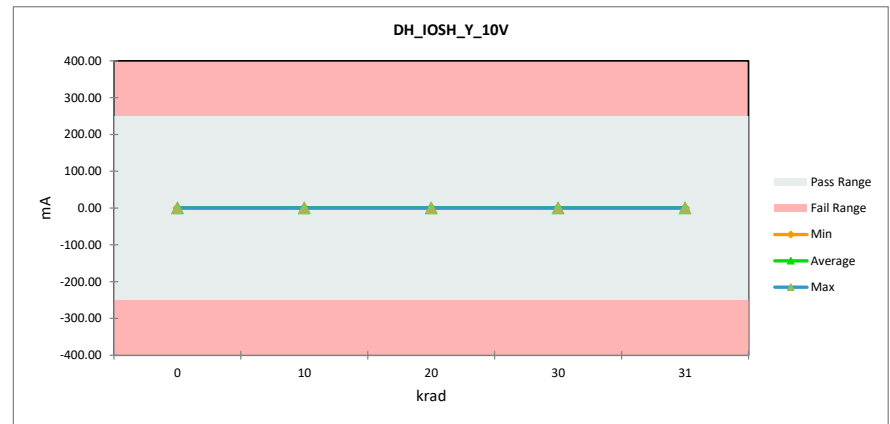
TID Report

THVD9491-SEP

		DH_IOSH_Y_10V				
Units		mA				
Max Limit		250				
Min Limit		-250				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.319	0.308	-0.01	-3.51%	0.00%
0	2	0.341	0.341	0.00	0.00%	0.00%
0	3	0.335	0.329	-0.01	-1.67%	0.00%
10	4	0.348	0.350	0.00	0.55%	0.00%
10	5	0.349	0.341	-0.01	-2.32%	0.00%
10	6	0.329	0.329	0.00	0.18%	0.00%
10	7	0.340	0.335	-0.01	-1.47%	0.00%
10	8	0.336	0.339	0.00	0.92%	0.00%
20	9	0.334	0.334	0.00	0.18%	0.00%
20	10	0.354	0.353	0.00	-0.17%	0.00%
20	11	0.331	0.343	0.01	3.78%	0.00%
20	12	0.332	0.327	-0.01	-1.68%	0.00%
20	13	0.336	0.327	-0.01	-2.41%	0.00%
30	14	0.339	0.337	0.00	-0.35%	0.00%
30	15	0.323	0.318	-0.01	-1.73%	0.00%
30	16	0.327	0.331	0.00	1.16%	0.00%
30	17	0.329	0.326	0.00	-0.94%	0.00%
30	18	0.341	0.333	-0.01	-2.20%	0.00%
31	19	0.339	0.337	0.00	-0.53%	0.00%
31	20	0.323	0.326	0.00	0.96%	0.00%
31	21	0.327	0.327	0.00	0.00%	0.00%
31	22	0.329	0.327	0.00	-0.58%	0.00%
31	23	0.341	0.337	0.00	-0.91%	0.00%
	Max	0.354	0.353	0.00	3.78%	0.00%
	Average	0.335	0.333	0.00	-0.55%	0.00%
	Min	0.319	0.308	-0.01	-3.51%	0.00%
	Std Dev	0.009	0.010	0.00	1.54%	0.00%

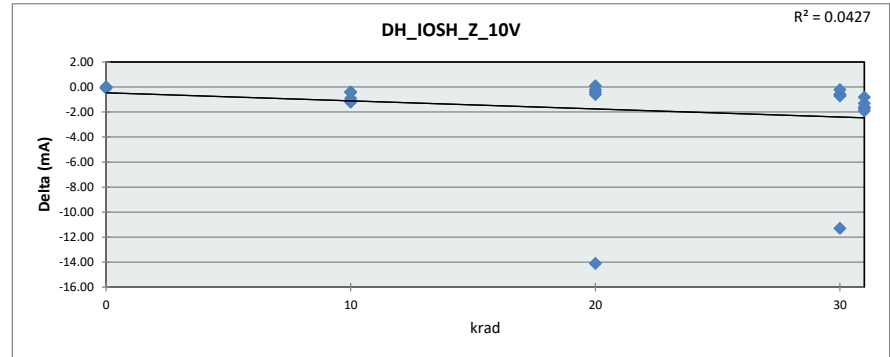


		DH_IOSH_Y_10V				
Units		mA				
Max Limit		250				
Min Limit		-250				
krad		0	10	20	30	31
LL		-250.000	-250.000	-250.000	-250.000	-250.000
Min		0.308	0.329	0.327	0.318	0.326
Average		0.326	0.339	0.337	0.329	0.331
Max		0.341	0.350	0.353	0.337	0.337
UL		250.000	250.000	250.000	250.000	250.000

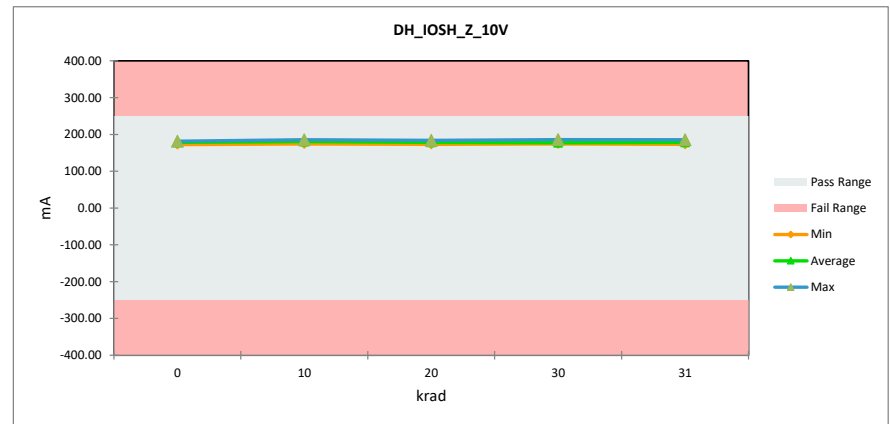


TID Report THVD9491-SEP

DH_IOSH_Z_10V						
Units	mA					
Max Limit	250					
Min Limit	-250					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	172.400	172.300	-0.10	-0.06%	0.02%
0	2	180.900	180.900	0.00	0.00%	0.00%
0	3	181.600	181.600	0.00	0.00%	0.00%
10	4	181.700	180.500	-1.20	-0.66%	0.24%
10	5	183.900	183.000	-0.90	-0.49%	0.18%
10	6	185.800	185.400	-0.40	-0.22%	0.08%
10	7	174.200	173.800	-0.40	-0.23%	0.08%
10	8	181.300	180.200	-1.10	-0.61%	0.22%
20	9	187.200	173.100	-14.10	-7.53%	2.82%
20	10	184.200	183.800	-0.40	-0.22%	0.08%
20	11	179.100	179.200	0.10	0.06%	0.02%
20	12	177.800	177.200	-0.60	-0.34%	0.12%
20	13	179.700	179.500	-0.20	-0.11%	0.04%
30	14	174.900	174.200	-0.70	-0.40%	0.14%
30	15	178.300	177.700	-0.60	-0.34%	0.12%
30	16	186.500	185.900	-0.60	-0.32%	0.12%
30	17	174.400	174.200	-0.20	-0.11%	0.04%
30	18	186.400	175.100	-11.30	-6.06%	2.26%
31	19	174.900	173.200	-1.70	-0.97%	0.34%
31	20	178.300	176.700	-1.60	-0.90%	0.32%
31	21	186.500	184.600	-1.90	-1.02%	0.38%
31	22	174.400	173.100	-1.30	-0.75%	0.26%
31	23	186.400	185.600	-0.80	-0.43%	0.16%
	Max	187.200	185.900	-1.30	0.06%	2.82%
	Average	180.470	178.730	-1.74	-0.94%	0.35%
	Min	172.400	172.300	-0.10	-7.53%	0.00%
	Std Dev	4.792	4.582	-0.21	1.89%	0.70%

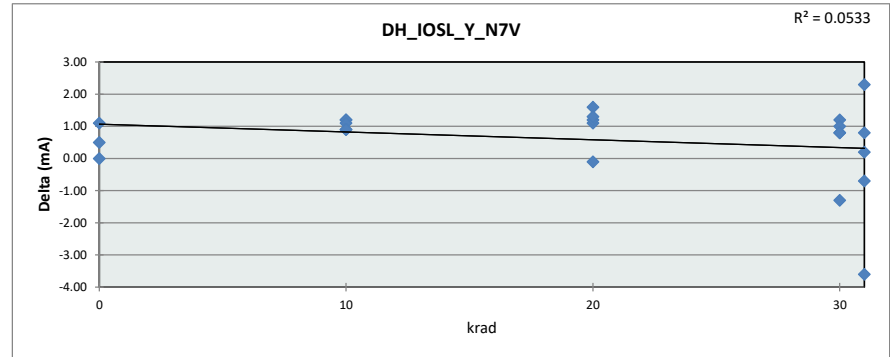


DH_IOSH_Z_10V					
Units	mA				
Max Limit	250				
Min Limit	-250				
krad	0	10	20	30	31
LL	-250.000	-250.000	-250.000	-250.000	-250.000
Min	172.300	173.800	173.100	174.200	173.100
Average	178.267	180.580	178.560	177.420	178.640
Max	181.600	185.400	183.800	185.900	185.600
UL	250.000	250.000	250.000	250.000	250.000

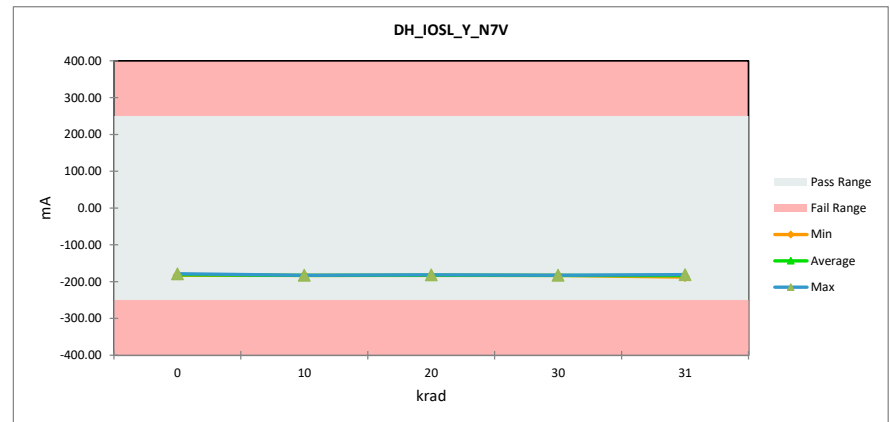


TID Report THVD9491-SEP

		DH_IOSL_Y_N7V				
Units		mA				
Max Limit		250				
Min Limit		-250				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	-178.500	-178.500	0.00	0.00%	0.00%
0	2	-183.800	-182.700	1.10	-0.60%	0.22%
0	3	-182.900	-182.400	0.50	-0.27%	0.10%
10	4	-183.900	-182.700	1.20	-0.65%	0.24%
10	5	-184.000	-182.800	1.20	-0.65%	0.24%
10	6	-184.000	-182.900	1.10	-0.60%	0.22%
10	7	-184.000	-183.100	0.90	-0.49%	0.18%
10	8	-184.000	-183.100	0.90	-0.49%	0.18%
20	9	-184.000	-182.900	1.10	-0.60%	0.22%
20	10	-184.100	-182.900	1.20	-0.65%	0.24%
20	11	-184.100	-182.500	1.60	-0.87%	0.32%
20	12	-181.200	-181.300	-0.10	0.06%	0.02%
20	13	-184.100	-182.800	1.30	-0.71%	0.26%
30	14	-184.100	-182.900	1.20	-0.65%	0.24%
30	15	-181.100	-182.400	-1.30	0.72%	0.26%
30	16	-184.100	-183.100	1.00	-0.54%	0.20%
30	17	-184.000	-183.200	0.80	-0.43%	0.16%
30	18	-184.100	-183.300	0.80	-0.43%	0.16%
31	19	-184.100	-183.300	0.80	-0.43%	0.16%
31	20	-181.100	-180.900	0.20	-0.11%	0.04%
31	21	-184.100	-184.800	-0.70	0.38%	0.14%
31	22	-184.000	-181.700	2.30	-1.25%	0.46%
31	23	-184.100	-187.700	-3.60	1.96%	0.72%
	Max	-178.500	-178.500	0.00	1.96%	0.72%
	Average	-183.365	-182.778	0.59	-0.32%	0.22%
	Min	-184.100	-187.700	-3.60	-1.25%	0.00%
	Std Dev	1.462	1.581	0.12	0.65%	0.15%



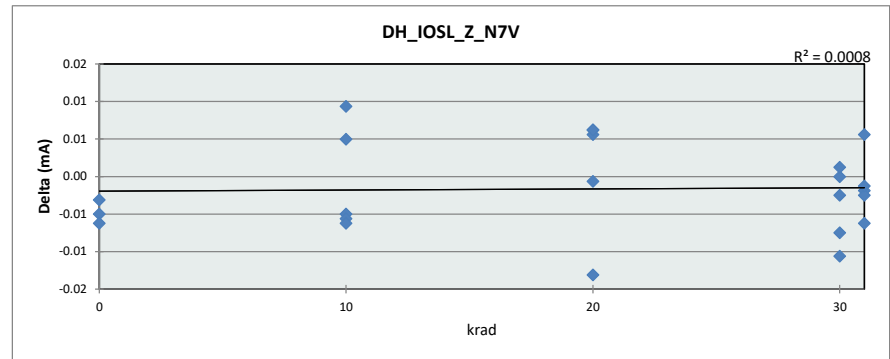
		DH_IOSL_Y_N7V				
Units		mA				
Max Limit		250				
Min Limit		-250				
krad		0	10	20	30	31
LL		-250.000	-250.000	-250.000	-250.000	-250.000
Min		-182.700	-183.100	-182.900	-183.300	-187.700
Average		-181.200	-182.920	-182.480	-182.980	-183.680
Max		-178.500	-182.700	-181.300	-182.400	-180.900
UL		250.000	250.000	250.000	250.000	250.000



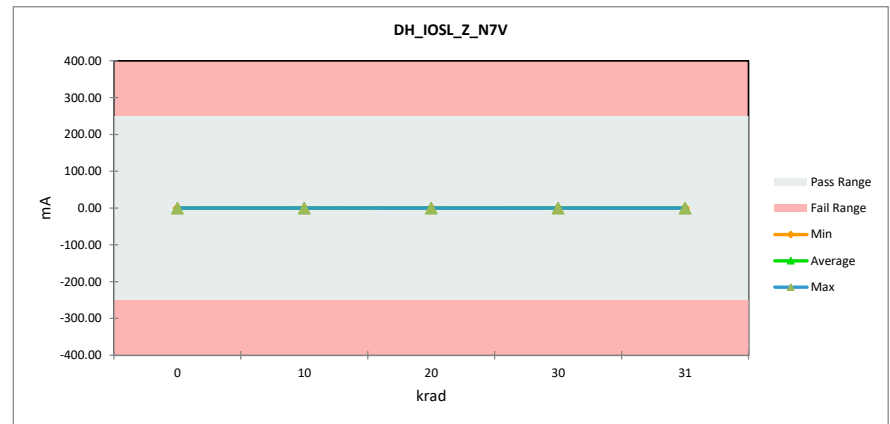
TID Report

THVD9491-SEP

		DH_IOSL_Z_N7V				
Units		mA				
Max Limit		250				
Min Limit		-250				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	-0.020	-0.025	0.00	25.47%	0.00%
0	2	-0.025	-0.028	0.00	12.36%	0.00%
0	3	-0.021	-0.028	-0.01	29.08%	0.00%
10	4	-0.026	-0.031	0.00	18.90%	0.00%
10	5	-0.029	-0.024	0.00	-17.24%	0.00%
10	6	-0.025	-0.031	-0.01	22.26%	0.00%
10	7	-0.017	-0.023	-0.01	36.52%	0.00%
10	8	-0.027	-0.018	0.01	-34.59%	0.00%
20	9	-0.026	-0.020	0.01	-24.17%	0.00%
20	10	-0.025	-0.020	0.01	-22.30%	0.00%
20	11	-0.029	-0.023	0.01	-21.56%	0.00%
20	12	-0.025	-0.026	0.00	2.46%	0.00%
20	13	-0.020	-0.033	-0.01	64.90%	0.00%
30	14	-0.028	-0.028	0.00	0.00%	0.00%
30	15	-0.021	-0.029	-0.01	34.87%	0.00%
30	16	-0.022	-0.033	-0.01	48.05%	0.00%
30	17	-0.023	-0.026	0.00	10.69%	0.00%
30	18	-0.026	-0.025	0.00	-4.85%	0.00%
31	19	-0.028	-0.023	0.01	-19.84%	0.00%
31	20	-0.021	-0.023	0.00	8.73%	0.00%
31	21	-0.022	-0.028	-0.01	28.27%	0.00%
31	22	-0.023	-0.026	0.00	10.69%	0.00%
31	23	-0.026	-0.027	0.00	4.85%	0.00%
	Max	-0.017	-0.018	0.00	64.90%	0.00%
	Average	-0.024	-0.026	0.00	9.29%	0.00%
	Min	-0.029	-0.033	0.00	-34.59%	0.00%
	Std Dev	0.003	0.004	0.00	25.39%	0.00%

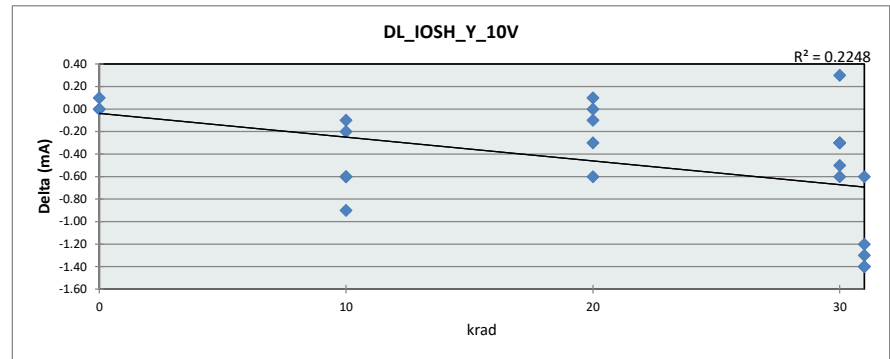


		DH_IOSL_Z_N7V				
Units		mA				
Max Limit		250				
Min Limit		-250				
krad	0	10	20	30	31	
LL	-250.000	-250.000	-250.000	-250.000	-250.000	
Min	-0.028	-0.031	-0.033	-0.033	-0.028	
Average	-0.027	-0.025	-0.024	-0.028	-0.025	
Max	-0.025	-0.018	-0.020	-0.025	-0.023	
UL	250.000	250.000	250.000	250.000	250.000	

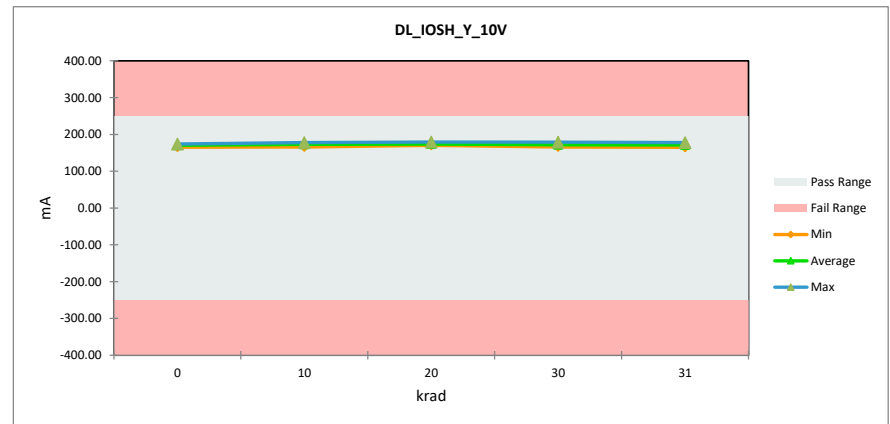


TID Report THVD9491-SEP

DL_IOSH_Y_10V						
Units	mA					
Max Limit	250					
Min Limit	-250					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	165.100	165.100	0.00	0.00%	0.00%
0	2	172.300	172.400	0.10	0.06%	0.02%
0	3	174.000	174.000	0.00	0.00%	0.00%
10	4	174.500	173.600	-0.90	-0.52%	0.18%
10	5	175.200	174.600	-0.60	-0.34%	0.12%
10	6	177.900	177.800	-0.10	-0.06%	0.02%
10	7	165.900	165.700	-0.20	-0.12%	0.04%
10	8	174.600	174.000	-0.60	-0.34%	0.12%
20	9	179.600	179.300	-0.30	-0.17%	0.06%
20	10	176.600	176.500	-0.10	-0.06%	0.02%
20	11	170.600	170.700	0.10	0.06%	0.02%
20	12	171.000	170.400	-0.60	-0.35%	0.12%
20	13	172.100	172.100	0.00	0.00%	0.00%
30	14	166.300	165.700	-0.60	-0.36%	0.12%
30	15	170.600	170.100	-0.50	-0.29%	0.10%
30	16	178.500	178.200	-0.30	-0.17%	0.06%
30	17	167.900	167.600	-0.30	-0.18%	0.06%
30	18	178.700	179.000	0.30	0.17%	0.06%
31	19	166.300	165.000	-1.30	-0.78%	0.26%
31	20	170.600	169.200	-1.40	-0.82%	0.28%
31	21	178.500	177.100	-1.40	-0.78%	0.28%
31	22	167.900	166.700	-1.20	-0.71%	0.24%
31	23	178.700	178.100	-0.60	-0.34%	0.12%
	Max	179.600	179.300	-0.30	0.17%	0.28%
	Average	172.757	172.300	-0.46	-0.27%	0.10%
	Min	165.100	165.000	-0.10	-0.82%	0.00%
	Std Dev	4.731	4.826	0.09	0.29%	0.09%

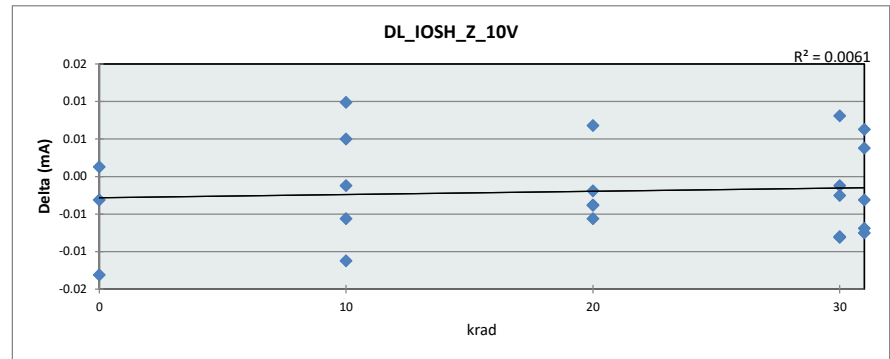


DL_IOSH_Y_10V					
Units	mA				
Max Limit	250				
Min Limit	-250				
krad	0	10	20	30	31
LL	-250.000	-250.000	-250.000	-250.000	-250.000
Min	165.100	165.700	170.400	165.700	165.000
Average	170.500	173.140	173.800	172.120	171.220
Max	174.000	177.800	179.300	179.000	178.100
UL	250.000	250.000	250.000	250.000	250.000

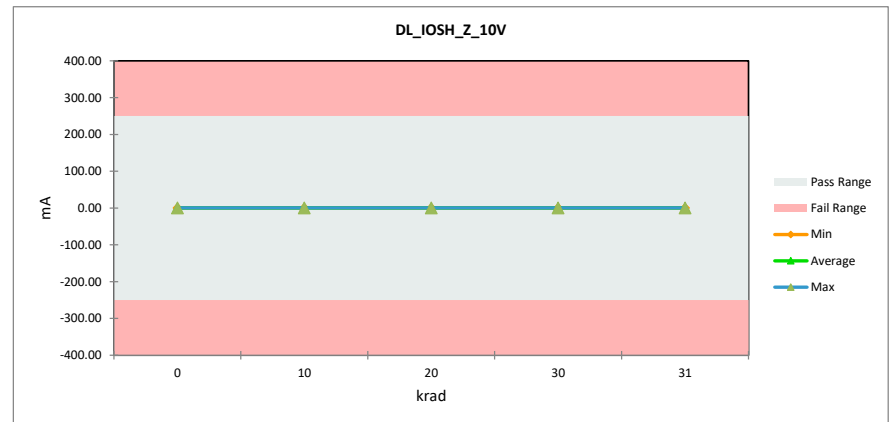


TID Report THVD9491-SEP

		DL_IOSH_Z_10V				
Units		mA				
Max Limit		250				
Min Limit		-250				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.331	0.328	0.00	-0.94%	0.00%
0	2	0.342	0.344	0.00	0.38%	0.00%
0	3	0.347	0.334	-0.01	-3.77%	0.00%
10	4	0.340	0.334	-0.01	-1.65%	0.00%
10	5	0.347	0.336	-0.01	-3.23%	0.00%
10	6	0.342	0.347	0.01	1.46%	0.00%
10	7	0.342	0.341	0.00	-0.35%	0.00%
10	8	0.333	0.342	0.01	2.98%	0.00%
20	9	0.349	0.346	0.00	-1.09%	0.00%
20	10	0.361	0.357	0.00	-1.05%	0.00%
20	11	0.347	0.354	0.01	1.96%	0.00%
20	12	0.344	0.342	0.00	-0.55%	0.00%
20	13	0.343	0.337	-0.01	-1.63%	0.00%
30	14	0.349	0.341	-0.01	-2.29%	0.00%
30	15	0.324	0.321	0.00	-0.77%	0.00%
30	16	0.351	0.349	0.00	-0.34%	0.00%
30	17	0.347	0.339	-0.01	-2.33%	0.00%
30	18	0.355	0.363	0.01	2.28%	0.00%
31	19	0.349	0.352	0.00	1.09%	0.00%
31	20	0.324	0.330	0.01	1.95%	0.00%
31	21	0.351	0.343	-0.01	-2.14%	0.00%
31	22	0.347	0.344	0.00	-0.89%	0.00%
31	23	0.355	0.348	-0.01	-1.94%	0.00%
	Max	0.361	0.363	0.00	2.98%	0.00%
	Average	0.344	0.342	0.00	-0.56%	0.00%
	Min	0.324	0.321	0.00	-3.77%	0.00%
	Std Dev	0.009	0.010	0.00	1.81%	0.00%



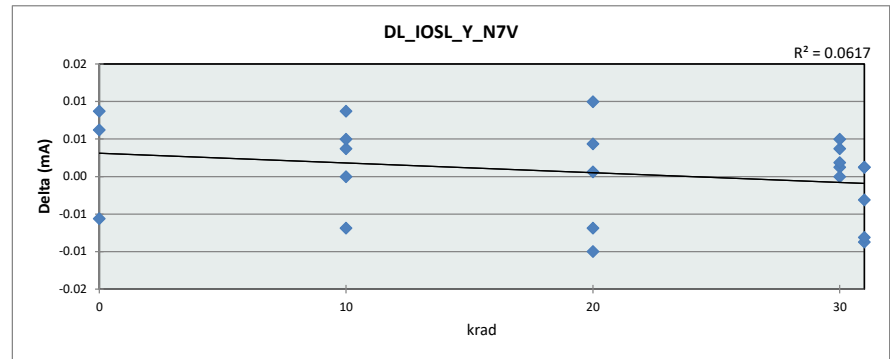
		DL_IOSH_Z_10V				
Units		mA				
Max Limit		250				
Min Limit		-250				
krad		0	10	20	30	31
LL		-250.000	-250.000	-250.000	-250.000	-250.000
Min		0.328	0.334	0.337	0.321	0.330
Average		0.335	0.340	0.347	0.343	0.344
Max		0.344	0.347	0.357	0.363	0.352
UL		250.000	250.000	250.000	250.000	250.000



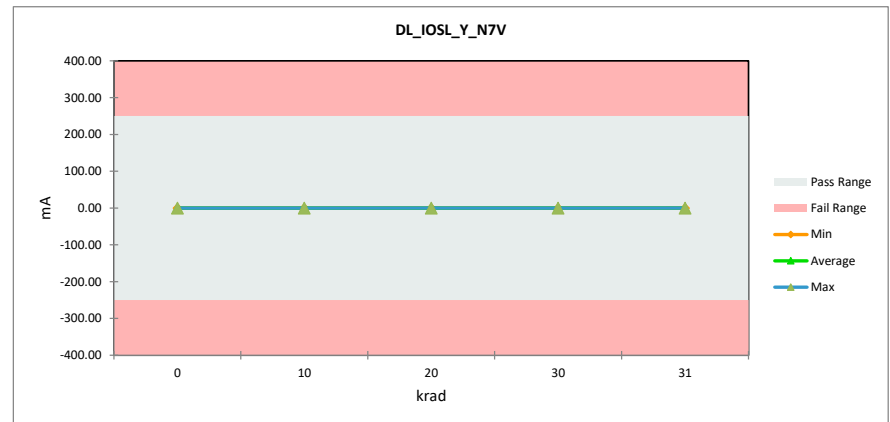
TID Report

THVD9491-SEP

		DL_IOSL_Y_N7V				
Units		mA				
Max Limit		250				
Min Limit		-250				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	-0.014	-0.020	-0.01	39.89%	0.00%
0	2	-0.021	-0.015	0.01	-29.82%	0.00%
0	3	-0.023	-0.015	0.01	-37.30%	0.00%
10	4	-0.020	-0.020	0.00	0.00%	0.00%
10	5	-0.020	-0.012	0.01	-43.07%	0.00%
10	6	-0.017	-0.023	-0.01	41.44%	0.00%
10	7	-0.020	-0.016	0.00	-18.99%	0.00%
10	8	-0.021	-0.016	0.00	-23.84%	0.00%
20	9	-0.022	-0.017	0.00	-20.27%	0.00%
20	10	-0.017	-0.017	0.00	-3.62%	0.00%
20	11	-0.015	-0.025	-0.01	65.25%	0.00%
20	12	-0.014	-0.021	-0.01	48.79%	0.00%
20	13	-0.018	-0.008	0.01	-54.20%	0.00%
30	14	-0.015	-0.013	0.00	-8.53%	0.00%
30	15	-0.018	-0.014	0.00	-20.99%	0.00%
30	16	-0.022	-0.020	0.00	-8.45%	0.00%
30	17	-0.013	-0.013	0.00	0.00%	0.00%
30	18	-0.018	-0.013	0.00	-27.12%	0.00%
31	19	-0.015	-0.023	-0.01	59.48%	0.00%
31	20	-0.018	-0.017	0.00	-6.98%	0.00%
31	21	-0.022	-0.021	0.00	-5.65%	0.00%
31	22	-0.013	-0.022	-0.01	60.40%	0.00%
31	23	-0.018	-0.022	0.00	16.90%	0.00%
	Max	-0.013	-0.008	0.00	65.25%	0.00%
	Average	-0.018	-0.018	0.00	1.01%	0.00%
	Min	-0.023	-0.025	0.00	-54.20%	0.00%
	Std Dev	0.003	0.004	0.00	35.18%	0.00%

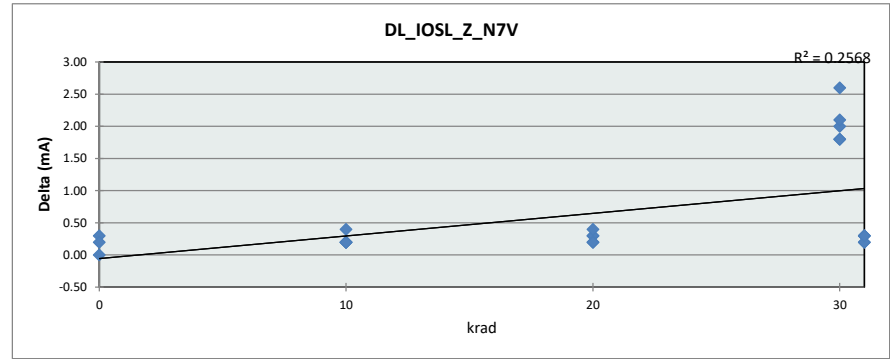


		DL_IOSL_Y_N7V				
Units		mA				
Max Limit		250				
Min Limit		-250				
krad		0	10	20	30	31
LL		-250.000	-250.000	-250.000	-250.000	-250.000
Min		-0.020	-0.023	-0.025	-0.020	-0.023
Average		-0.016	-0.017	-0.018	-0.015	-0.021
Max		-0.015	-0.012	-0.008	-0.013	-0.017
UL		250.000	250.000	250.000	250.000	250.000

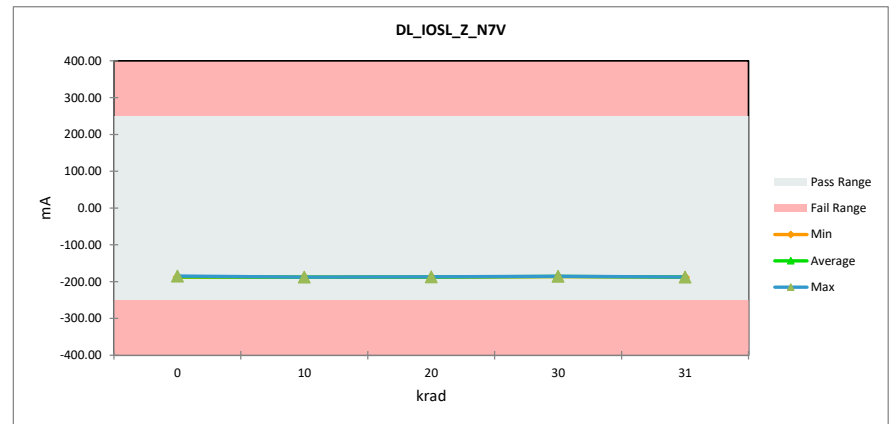


TID Report THVD9491-SEP

		DL_IOSL_Z_N7V				
Units		mA				
Max Limit		250				
Min Limit		-250				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	-184.800	-184.800	0.00	0.00%	0.00%
0	2	-188.100	-187.800	0.30	-0.16%	0.06%
0	3	-188.100	-187.900	0.20	-0.11%	0.04%
10	4	-188.000	-187.800	0.20	-0.11%	0.04%
10	5	-188.000	-187.800	0.20	-0.11%	0.04%
10	6	-187.900	-187.700	0.20	-0.11%	0.04%
10	7	-188.100	-187.700	0.40	-0.21%	0.08%
10	8	-188.000	-187.800	0.20	-0.11%	0.04%
20	9	-188.100	-187.800	0.30	-0.16%	0.06%
20	10	-188.000	-187.700	0.30	-0.16%	0.06%
20	11	-188.000	-187.800	0.20	-0.11%	0.04%
20	12	-187.400	-187.000	0.40	-0.21%	0.08%
20	13	-187.900	-187.700	0.20	-0.11%	0.04%
30	14	-188.000	-185.400	2.60	-1.38%	0.52%
30	15	-187.500	-185.700	1.80	-0.96%	0.36%
30	16	-188.000	-186.000	2.00	-1.06%	0.40%
30	17	-187.900	-185.800	2.10	-1.12%	0.42%
30	18	-188.100	-186.300	1.80	-0.96%	0.36%
31	19	-188.000	-187.700	0.30	-0.16%	0.06%
31	20	-187.500	-187.300	0.20	-0.11%	0.04%
31	21	-188.000	-187.700	0.30	-0.16%	0.06%
31	22	-187.900	-187.700	0.20	-0.11%	0.04%
31	23	-188.100	-187.800	0.30	-0.16%	0.06%
	Max	-184.800	-184.800	0.00	0.00%	0.52%
	Average	-187.800	-187.161	0.64	-0.34%	0.13%
	Min	-188.100	-187.900	0.20	-1.38%	0.00%
	Std Dev	0.684	0.959	0.28	0.42%	0.16%

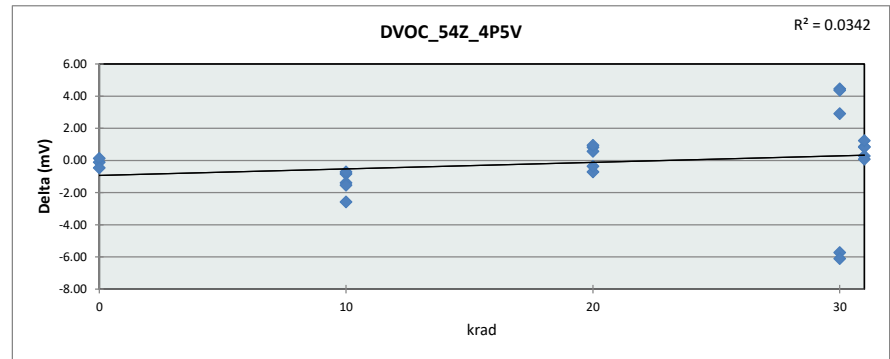


		DL_IOSL_Z_N7V				
Units		mA				
Max Limit		250				
Min Limit		-250				
krad	0	10	20	30	31	
LL	-250.000	-250.000	-250.000	-250.000	-250.000	
Min	-187.900	-187.800	-187.800	-186.300	-187.800	
Average	-186.833	-187.760	-187.600	-185.840	-187.640	
Max	-184.800	-187.700	-187.000	-185.400	-187.300	
UL	250.000	250.000	250.000	250.000	250.000	

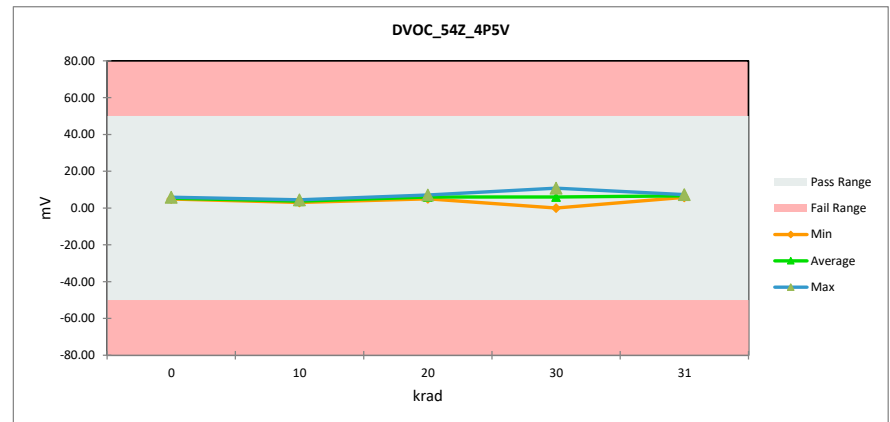


TID Report THVD9491-SEP

DVOC_54Z_4P5V						
Units	mV					
Max Limit	50					
Min Limit	-50					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	4.975	4.866	-0.11	-2.19%	0.11%
0	2	5.772	5.913	0.14	2.44%	0.14%
0	3	5.538	5.085	-0.45	-8.18%	0.45%
10	4	4.725	3.892	-0.83	-17.63%	0.83%
10	5	5.210	3.829	-1.38	-26.51%	1.38%
10	6	5.194	4.486	-0.71	-13.63%	0.71%
10	7	6.022	3.454	-2.57	-42.64%	2.57%
10	8	4.522	2.986	-1.54	-33.97%	1.54%
20	9	5.038	5.859	0.82	16.30%	0.82%
20	10	5.772	6.343	0.57	9.89%	0.57%
20	11	5.725	5.015	-0.71	-12.40%	0.71%
20	12	6.101	7.047	0.95	15.51%	0.95%
20	13	6.069	5.719	-0.35	-5.77%	0.35%
30	14	5.944	8.858	2.91	49.02%	2.91%
30	15	5.725	0.000	-5.73	-100.00%	5.73%
30	16	6.335	10.800	4.47	70.48%	4.47%
30	17	5.710	10.080	4.37	76.53%	4.37%
30	18	6.101	0.000	-6.10	-100.00%	6.10%
31	19	5.944	6.234	0.29	4.88%	0.29%
31	20	5.725	5.812	0.09	1.52%	0.09%
31	21	6.335	7.203	0.87	13.70%	0.87%
31	22	5.710	6.546	0.84	14.64%	0.84%
31	23	6.101	7.344	1.24	20.37%	1.24%
	Max	6.335	10.800	4.47	76.53%	6.10%
	Average	5.665	5.538	-0.13	-2.94%	1.65%
	Min	4.522	0.000	-4.52	-100.00%	0.09%
	Std Dev	0.498	2.611	2.11	42.06%	1.82%

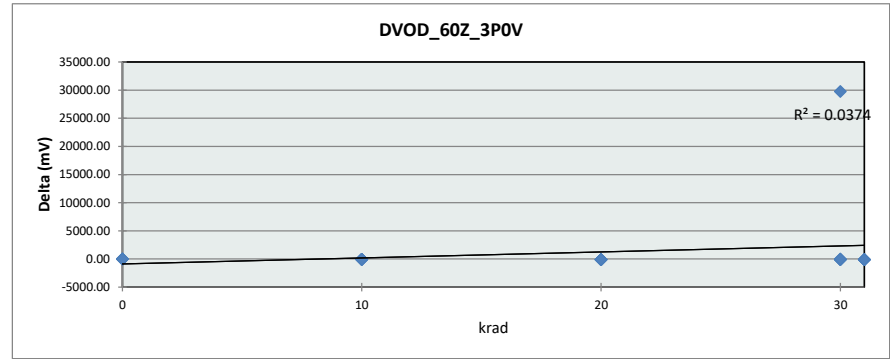


DVOC_54Z_4P5V					
Units	mV				
Max Limit	50				
Min Limit	-50				
krad	0	10	20	30	31
LL	-50.000	-50.000	-50.000	-50.000	-50.000
Min	4.866	2.986	5.015	0.000	5.812
Average	5.288	3.729	5.997	5.948	6.628
Max	5.913	4.486	7.047	10.800	7.344
UL	50.000	50.000	50.000	50.000	50.000

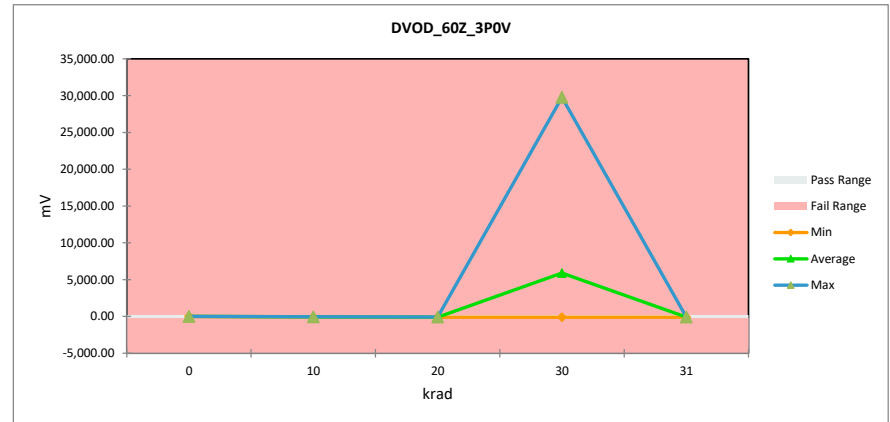


TID Report THVD9491-SEP

		DVOD_60Z_3P0V				
Units		mV				
Max Limit		200				
Min Limit		-200				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	3.742	4.211	0.47	12.53%	0.12%
0	2	2.899	2.430	-0.47	-16.18%	0.12%
0	3	4.305	3.742	-0.56	-13.08%	0.14%
10	4	4.680	-56.170	-60.85	-1300.21%	15.21%
10	5	2.149	-56.450	-58.60	-2726.80%	14.65%
10	6	3.367	-58.610	-61.98	-1840.72%	15.49%
10	7	0.742	-58.700	-59.44	-8011.05%	14.86%
10	8	5.711	-50.830	-56.54	-990.04%	14.14%
20	9	3.367	-87.200	-90.57	-2689.84%	22.64%
20	10	2.054	-90.020	-92.07	-4482.67%	23.02%
20	11	0.461	-87.580	-88.04	-19118.46%	22.01%
20	12	1.398	-86.170	-87.57	-6263.81%	21.89%
20	13	1.961	-85.330	-87.29	-4451.35%	21.82%
30	14	2.054	-104.600	-106.65	-5192.50%	26.66%
30	15	3.273	29770.000	29766.73	909463.09%	7441.68%
30	16	0.460	-106.100	-106.56	-23145.18%	26.64%
30	17	4.211	-103.200	-107.41	-2550.72%	26.85%
30	18	2.336	21.240	18.90	809.25%	4.73%
31	19	2.054	-90.020	-92.07	-4482.67%	23.02%
31	20	3.273	-87.670	-90.94	-2778.58%	22.74%
31	21	0.460	-90.210	-90.67	-19693.83%	22.67%
31	22	4.211	-88.520	-92.73	-2202.11%	23.18%
31	23	2.336	-85.700	-88.04	-3768.66%	22.01%
	Max	5.711	29770.000	29764.29	909463.09%	7441.68%
	Average	2.674	1231.676	1229.00	34546.37%	340.27%
	Min	0.460	-106.100	-106.56	-23145.18%	0.12%
	Std Dev	1.442	6221.253	6219.81	190836.42%	1548.08%

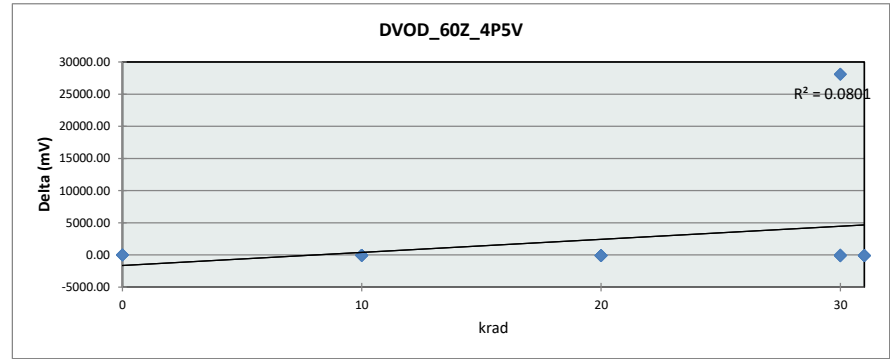


		DVOD_60Z_3P0V				
Units		mV				
Max Limit		200				
Min Limit		-200				
krad		0	10	20	30	31
LL		-200.000	-200.000	-200.000	-200.000	-200.000
Min		2.430	-58.700	-90.020	-106.100	-90.210
Average		3.461	-56.152	-87.260	5895.468	-88.424
Max		4.211	-50.830	-85.330	29770.000	-85.700
UL		200.000	200.000	200.000	200.000	200.000

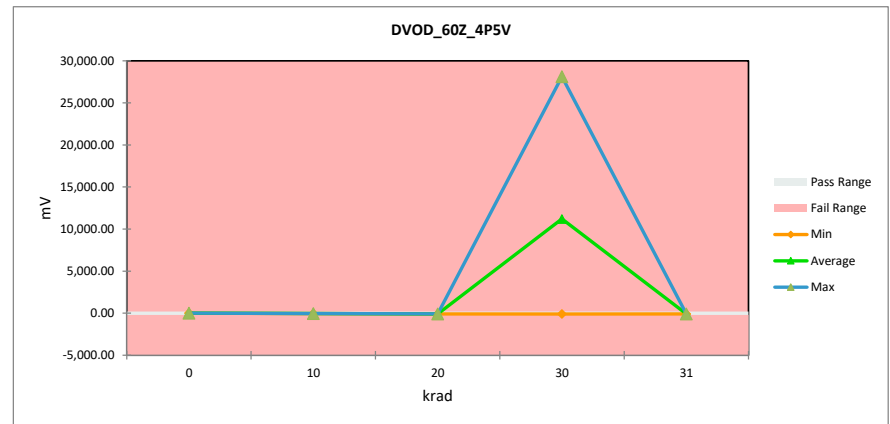


TID Report THVD9491-SEP

		DVOD_60Z_4P5V				
Units		mV				
Max Limit		200				
Min Limit		-200				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	4.583	4.396	-0.19	-4.08%	0.05%
0	2	2.521	1.771	-0.75	-29.75%	0.19%
0	3	2.146	3.552	1.41	65.52%	0.35%
10	4	4.490	-51.200	-55.69	-1240.31%	13.92%
10	5	2.334	-50.730	-53.06	-2273.52%	13.27%
10	6	2.239	-52.800	-55.04	-2458.20%	13.76%
10	7	1.677	-52.050	-53.73	-3203.76%	13.43%
10	8	4.490	-45.580	-50.07	-1115.14%	12.52%
20	9	3.740	-81.210	-84.95	-2271.39%	21.24%
20	10	2.708	-84.390	-87.10	-3216.32%	21.77%
20	11	1.021	-83.550	-84.57	-8283.15%	21.14%
20	12	1.396	-81.580	-82.98	-5943.84%	20.74%
20	13	1.865	-80.460	-82.33	-4414.21%	20.58%
30	14	1.771	28120.000	28118.23	1587703.50%	7029.56%
30	15	2.990	-96.960	-99.95	-3342.81%	24.99%
30	16	1.958	28100.000	28098.04	1435037.90%	7024.51%
30	17	2.615	20.680	18.07	690.82%	4.52%
30	18	2.896	-94.150	-97.05	-3351.04%	24.26%
31	19	1.771	-83.180	-84.95	-4796.78%	21.24%
31	20	2.990	-81.860	-84.85	-2837.79%	21.21%
31	21	1.958	-84.580	-86.54	-4419.71%	21.63%
31	22	2.615	-82.140	-84.76	-3241.11%	21.19%
31	23	2.896	-80.180	-83.08	-2868.65%	20.77%
	Max	4.583	28120.000	28115.42	1587703.50%	7029.56%
	Average	2.594	2390.600	2388.01	128877.66%	625.51%
	Min	1.021	-96.960	-97.98	-8283.15%	0.05%
	Std Dev	0.973	8115.640	8114.67	436846.87%	2019.97%

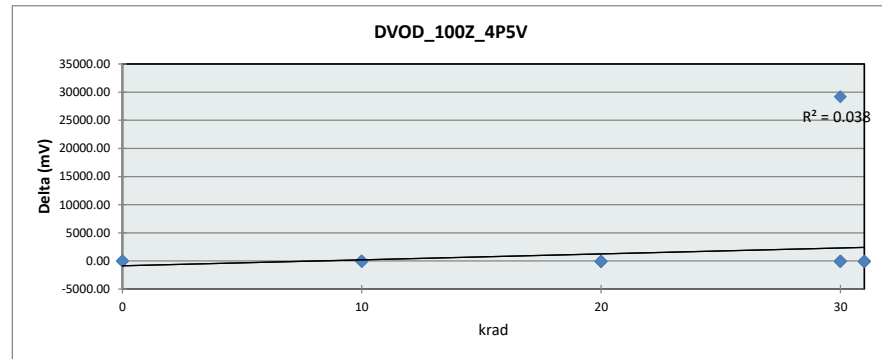


		DVOD_60Z_4P5V				
Units		mV				
Max Limit		200				
Min Limit		-200				
krad		0	10	20	30	31
LL		-200.000	-200.000	-200.000	-200.000	-200.000
Min		1.771	-52.800	-84.390	-96.960	-84.580
Average		3.240	-50.472	-82.238	11209.914	-82.388
Max		4.396	-45.580	-80.460	28120.000	-80.180
UL		200.000	200.000	200.000	200.000	200.000

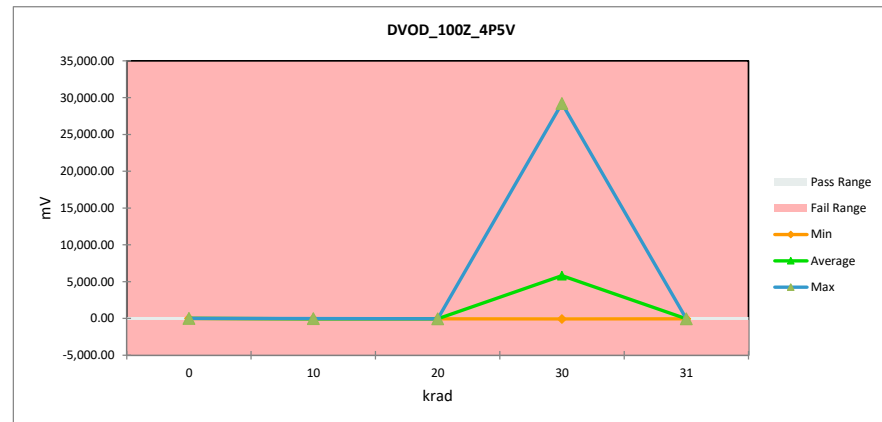


TID Report THVD9491-SEP

		DVOD_100Z_4P5V				
Units		mV				
Max Limit		200				
Min Limit		-200				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.432	3.182	0.75	30.84%	0.19%
0	2	1.213	1.589	0.38	31.00%	0.09%
0	3	2.432	1.870	-0.56	-23.11%	0.14%
10	4	3.370	-32.350	-35.72	-1059.94%	8.93%
10	5	2.245	-33.010	-35.26	-1570.38%	8.81%
10	6	1.963	-33.850	-35.81	-1824.40%	8.95%
10	7	1.120	-33.290	-34.41	-3072.32%	8.60%
10	8	3.276	-29.450	-32.73	-998.96%	8.18%
20	9	2.432	-49.700	-52.13	-2143.59%	13.03%
20	10	2.057	-49.890	-51.95	-2525.38%	12.99%
20	11	0.651	-49.790	-50.44	-7750.58%	12.61%
20	12	1.026	-48.390	-49.42	-4816.37%	12.35%
20	13	1.495	-48.570	-50.07	-3348.83%	12.52%
30	14	1.213	-58.790	-60.00	-4946.66%	15.00%
30	15	2.151	29220.000	29217.85	1358337.94%	7304.46%
30	16	1.588	-60.390	-61.98	-3902.90%	15.49%
30	17	2.526	-58.040	-60.57	-2397.70%	15.14%
30	18	0.369	12.420	12.05	3262.21%	3.01%
31	19	1.213	-50.540	-51.75	-4266.53%	12.94%
31	20	2.151	-49.320	-51.47	-2392.89%	12.87%
31	21	1.588	-51.290	-52.88	-3329.85%	13.22%
31	22	2.526	-49.790	-52.32	-2071.10%	13.08%
31	23	0.369	-48.570	-48.94	-13248.35%	12.23%
	Max	3.370	29220.000	29216.63	1358337.94%	7304.46%
	Average	1.800	1234.958	1233.16	56346.61%	327.17%
	Min	0.369	-60.390	-60.76	-13248.35%	0.09%
	Std Dev	0.829	6100.563	6099.73	283841.51%	1521.00%

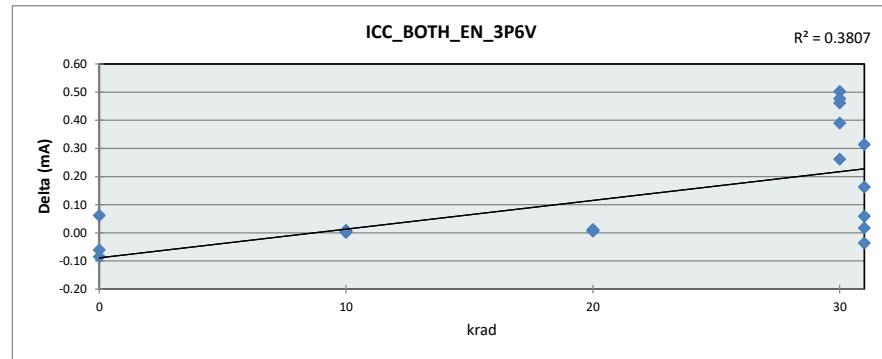


		DVOD_100Z_4P5V				
Units		mV				
Max Limit		200				
Min Limit		-200				
krad		0	10	20	30	31
LL		-200.000	-200.000	-200.000	-200.000	-200.000
Min		1.589	-33.850	-49.890	-60.390	-51.290
Average		2.214	-32.390	-49.268	5811.040	-49.902
Max		3.182	-29.450	-48.390	29220.000	-48.570
UL		200.000	200.000	200.000	200.000	200.000

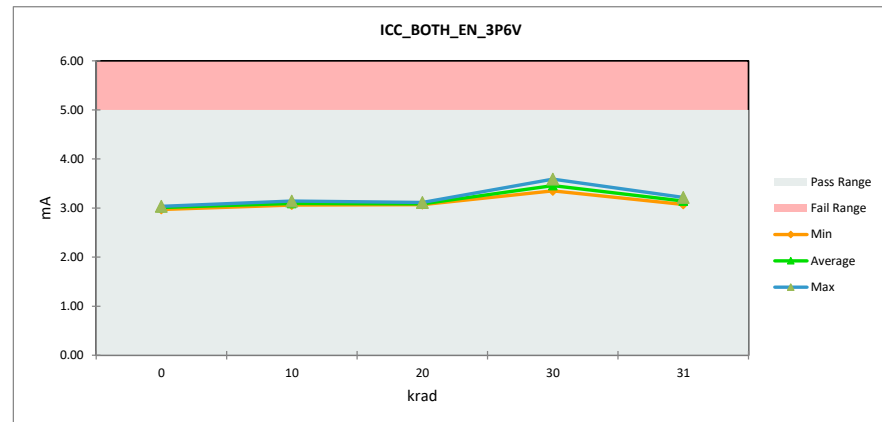


TID Report THVD9491-SEP

		ICC_BOTH_EN_3P6V				
Units		mA				
Max Limit		5				
Min Limit		0				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.966	3.028	0.06	2.09%	1.24%
0	2	3.030	2.970	-0.06	-1.98%	1.20%
0	3	3.120	3.035	-0.09	-2.72%	1.70%
10	4	3.050	3.059	0.01	0.30%	0.18%
10	5	3.076	3.079	0.00	0.10%	0.06%
10	6	3.136	3.141	0.00	0.16%	0.10%
10	7	3.081	3.084	0.00	0.10%	0.06%
10	8	3.104	3.110	0.01	0.19%	0.12%
20	9	3.071	3.083	0.01	0.39%	0.24%
20	10	3.085	3.093	0.01	0.26%	0.16%
20	11	3.061	3.070	0.01	0.29%	0.18%
20	12	3.068	3.075	0.01	0.23%	0.14%
20	13	3.106	3.114	0.01	0.26%	0.16%
30	14	3.086	3.589	0.50	16.30%	10.06%
30	15	3.108	3.570	0.46	14.86%	9.24%
30	16	3.008	3.398	0.39	12.97%	7.80%
30	17	3.088	3.350	0.26	8.48%	5.24%
30	18	2.903	3.380	0.48	16.43%	9.54%
31	19	3.086	3.145	0.06	1.91%	1.18%
31	20	3.108	3.072	-0.04	-1.16%	0.72%
31	21	3.008	3.171	0.16	5.42%	3.26%
31	22	3.088	3.106	0.02	0.58%	0.36%
31	23	2.903	3.217	0.31	10.82%	6.28%
	Max	3.136	3.589	0.45	16.43%	10.06%
	Average	3.058	3.171	0.11	3.75%	2.57%
	Min	2.903	2.970	0.07	-2.72%	0.06%
	Std Dev	0.063	0.169	0.11	6.18%	3.51%



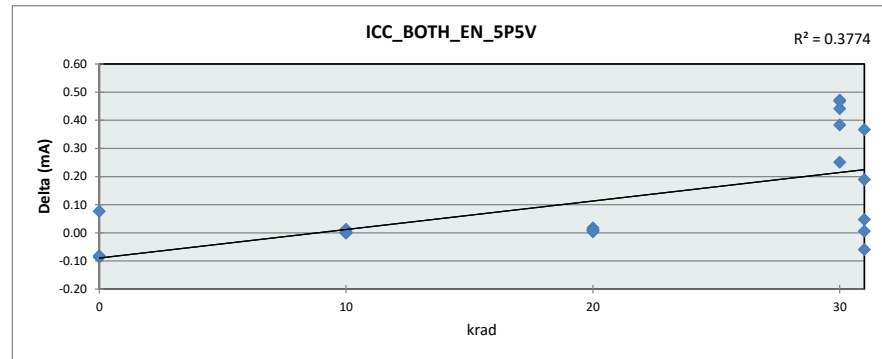
		ICC_BOTH_EN_3P6V						
Units		mA						
Max Limit		5						
Min Limit		0						
krad		0	10	20	30	31		
LL		0.000	0.000	0.000	0.000	0.000		
Min		2.970	3.059	3.070	3.350	3.072		
Average		3.011	3.095	3.087	3.457	3.142		
Max		3.035	3.141	3.114	3.589	3.217		
UL		5.000	5.000	5.000	5.000	5.000		



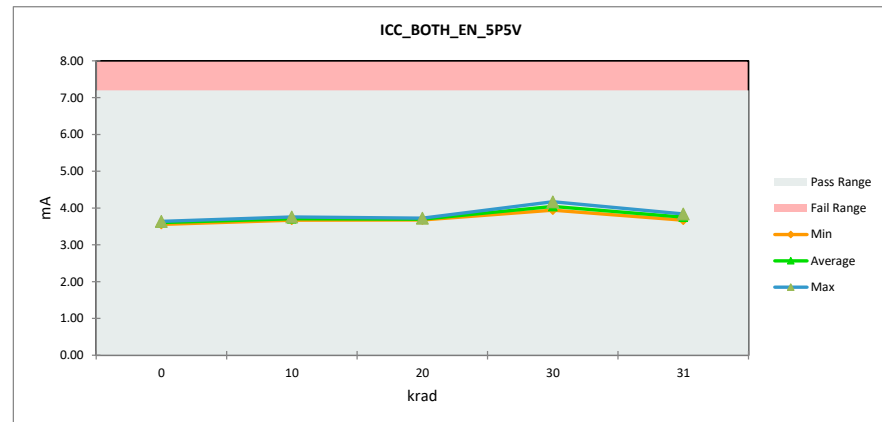
TID Report

THVD9491-SEP

ICC_BOTH_EN_5P5V						
Units	mA					
Max Limit	7.2					
Min Limit	0					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	3.545	3.622	0.08	2.17%	1.07%
0	2	3.636	3.555	-0.08	-2.23%	1.13%
0	3	3.724	3.638	-0.09	-2.31%	1.19%
10	4	3.672	3.671	0.00	-0.03%	0.01%
10	5	3.689	3.692	0.00	0.08%	0.04%
10	6	3.755	3.759	0.00	0.11%	0.06%
10	7	3.694	3.695	0.00	0.03%	0.01%
10	8	3.710	3.723	0.01	0.35%	0.18%
20	9	3.673	3.691	0.02	0.49%	0.25%
20	10	3.693	3.704	0.01	0.30%	0.15%
20	11	3.674	3.678	0.00	0.11%	0.06%
20	12	3.674	3.683	0.01	0.24%	0.12%
20	13	3.713	3.723	0.01	0.27%	0.14%
30	14	3.699	4.171	0.47	12.76%	6.56%
30	15	3.728	4.170	0.44	11.86%	6.14%
30	16	3.597	3.981	0.38	10.68%	5.33%
30	17	3.702	3.953	0.25	6.78%	3.49%
30	18	3.474	3.942	0.47	13.47%	6.50%
31	19	3.699	3.747	0.05	1.30%	0.67%
31	20	3.728	3.669	-0.06	-1.58%	0.82%
31	21	3.597	3.787	0.19	5.28%	2.64%
31	22	3.702	3.708	0.01	0.16%	0.08%
31	23	3.474	3.841	0.37	10.56%	5.10%
	Max	3.755	4.171	0.42	13.47%	6.56%
	Average	3.663	3.774	0.11	3.08%	1.81%
	Min	3.474	3.555	0.08	-2.31%	0.01%
	Std Dev	0.076	0.163	0.09	5.16%	2.39%

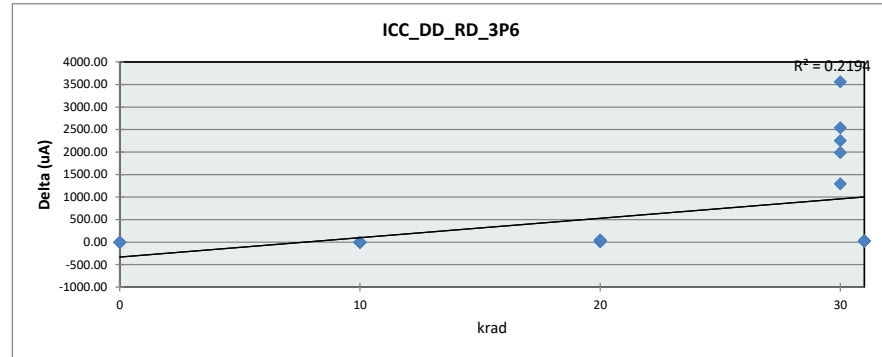


ICC_BOTH_EN_5P5V					
Units	mA				
Max Limit	7.2				
Min Limit	0				
krad	0	10	20	30	31
LL	0.000	0.000	0.000	0.000	0.000
Min	3.555	3.671	3.678	3.942	3.669
Average	3.605	3.708	3.696	4.043	3.750
Max	3.638	3.759	3.723	4.171	3.841
UL	7.200	7.200	7.200	7.200	7.200

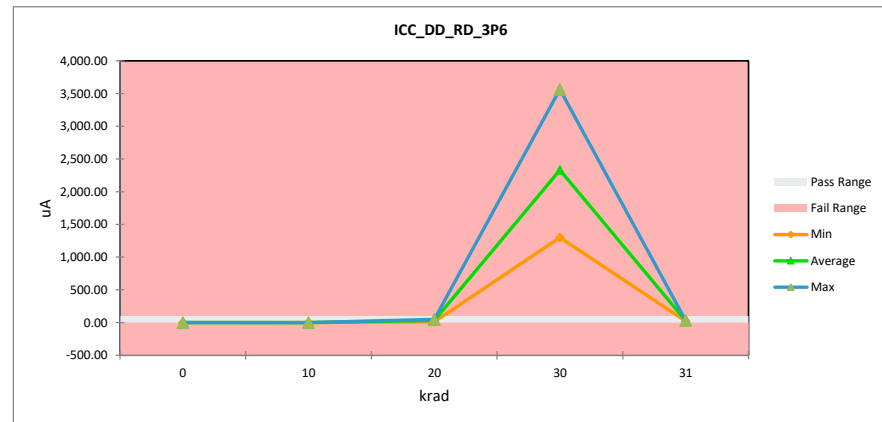


TID Report THVD9491-SEP

		ICC_DD_RD_3P6				
Units		uA				
Max Limit		100				
Min Limit		0				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.899	-0.055	-0.95	-106.08%	0.95%
0	2	1.173	-0.055	-1.23	-104.70%	1.23%
0	3	0.862	-0.055	-0.92	-106.36%	0.92%
10	4	1.136	-0.055	-1.19	-104.84%	1.19%
10	5	0.862	-0.038	-0.90	-104.37%	0.90%
10	6	1.261	-0.033	-1.29	-102.65%	1.29%
10	7	1.236	-0.034	-1.27	-102.79%	1.27%
10	8	0.887	-0.036	-0.92	-104.07%	0.92%
20	9	0.949	38.370	37.42	3942.78%	37.42%
20	10	1.049	41.100	40.05	3818.02%	40.05%
20	11	0.999	28.150	27.15	2717.82%	27.15%
20	12	1.049	10.480	9.43	899.05%	9.43%
20	13	0.937	49.240	48.30	5156.75%	48.30%
30	14	1.074	2543.000	2541.93	236678.40%	2541.93%
30	15	0.850	2255.000	2254.15	265350.26%	2254.15%
30	16	0.987	1992.000	1991.01	201826.00%	1991.01%
30	17	0.949	1299.000	1298.05	136766.51%	1298.05%
30	18	0.787	3564.000	3563.21	452701.42%	3563.21%
31	19	1.074	30.850	29.78	2772.44%	29.78%
31	20	0.850	31.850	31.00	3649.26%	31.00%
31	21	0.987	27.450	26.46	2682.56%	26.46%
31	22	0.949	32.760	31.81	3351.69%	31.81%
31	23	0.787	21.520	20.73	2634.09%	20.73%
	Max	1.261	3564.000	3562.74	452701.42%	3563.21%
	Average	0.982	520.192	519.21	57570.05%	519.96%
	Min	0.787	-0.055	-0.84	-106.36%	0.90%
	Std Dev	0.133	1037.839	1037.71	119599.15%	1037.48%

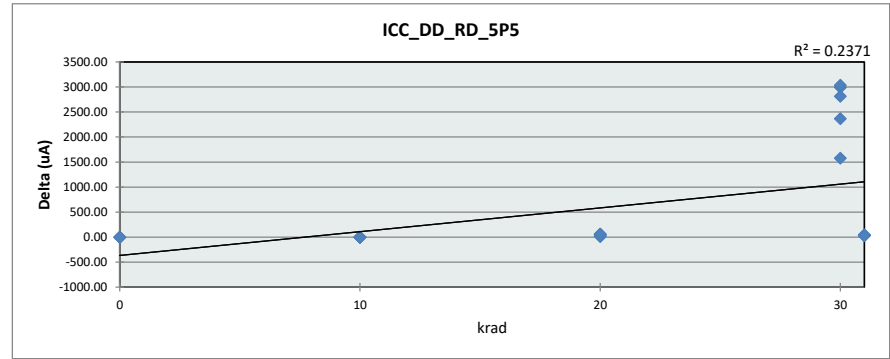


		ICC_DD_RD_3P6				
Units		uA				
Max Limit		100				
Min Limit		0				
krad		0	10	20	30	31
LL		0.000	0.000	0.000	0.000	0.000
Min		-0.055	-0.055	10.480	1299.000	21.520
Average		-0.055	-0.039	33.468	2330.600	28.886
Max		-0.055	-0.033	49.240	3564.000	32.760
UL		100.000	100.000	100.000	100.000	100.000

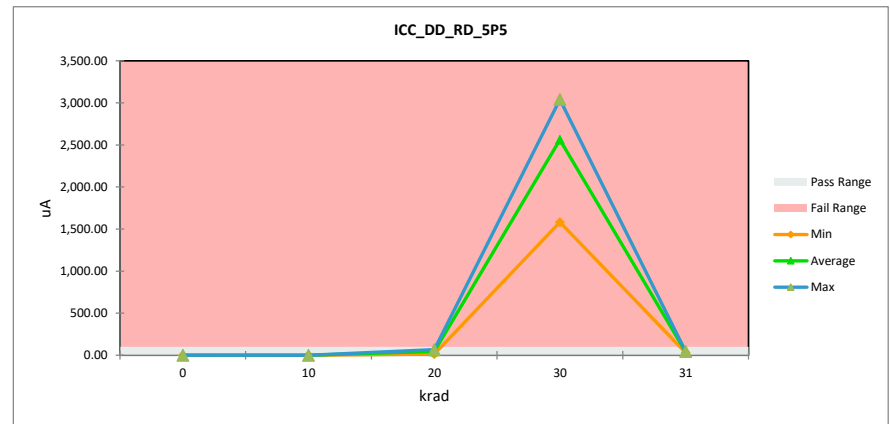


TID Report THVD9491-SEP

		ICC_DD_RD_5P5				
Units		uA				
Max Limit		100				
Min Limit		0				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.711	0.047	-2.66	-98.26%	2.66%
0	2	2.823	0.092	-2.73	-96.74%	2.73%
0	3	2.761	0.047	-2.71	-98.30%	2.71%
10	4	2.873	0.050	-2.82	-98.26%	2.82%
10	5	2.761	0.085	-2.68	-96.94%	2.68%
10	6	2.860	0.152	-2.71	-94.68%	2.71%
10	7	2.599	0.103	-2.50	-96.05%	2.50%
10	8	2.873	0.091	-2.78	-96.84%	2.78%
20	9	2.811	56.130	53.32	1896.80%	53.32%
20	10	2.910	55.100	52.19	1793.47%	52.19%
20	11	2.748	38.460	35.71	1299.56%	35.71%
20	12	2.823	15.150	12.33	436.66%	12.33%
20	13	2.848	65.710	62.86	2207.23%	62.86%
30	14	2.125	2997.000	2994.88	140935.29%	2994.88%
30	15	2.773	2819.000	2816.23	101558.85%	2816.23%
30	16	2.773	2372.000	2369.23	85439.13%	2369.23%
30	17	2.910	1582.000	1579.09	54264.26%	1579.09%
30	18	2.910	3040.000	3037.09	104367.35%	3037.09%
31	19	2.125	42.800	40.68	1914.12%	40.68%
31	20	2.773	44.550	41.78	1506.56%	41.78%
31	21	2.773	39.000	36.23	1306.42%	36.23%
31	22	2.910	46.240	43.33	1489.00%	43.33%
31	23	2.910	31.050	28.14	967.01%	28.14%
	Max	2.910	3040.000	3037.09	140935.29%	3037.09%
	Average	2.756	575.863	573.11	21765.46%	574.99%
	Min	2.125	0.047	-2.08	-98.30%	2.50%
	Std Dev	0.213	1101.505	1101.29	42875.34%	1100.53%



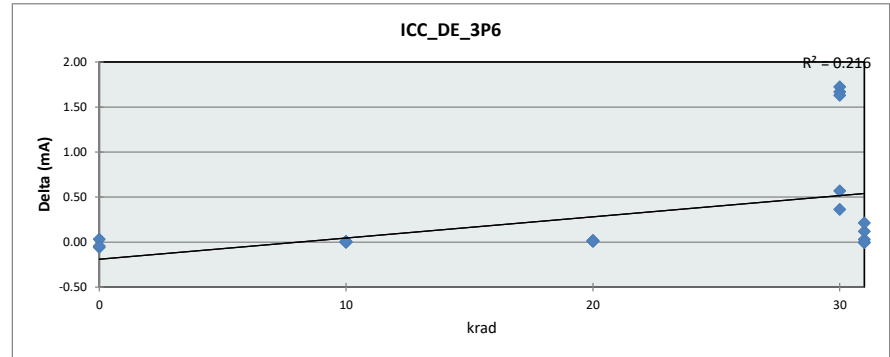
		ICC_DD_RD_5P5				
Units		uA				
Max Limit		100				
Min Limit		0				
	krad	0	10	20	30	31
LL		0.000	0.000	0.000	0.000	0.000
Min		0.047	0.050	15.150	1582.000	31.050
Average		0.062	0.096	46.110	2562.000	40.728
Max		0.092	0.152	65.710	3040.000	46.240
UL		100.000	100.000	100.000	100.000	100.000



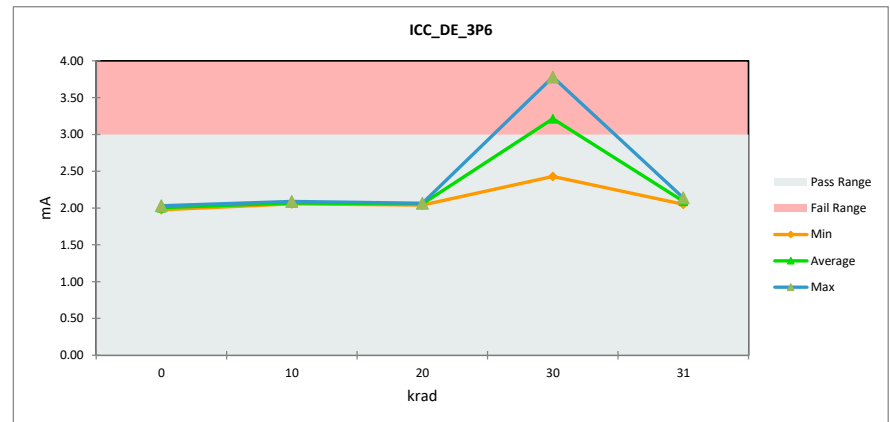
TID Report

THVD9491-SEP

		ICC_DE_3P6				
Units		mA				
Max Limit		3				
Min Limit		0				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.977	2.010	0.03	1.67%	1.10%
0	2	2.032	1.976	-0.06	-2.76%	1.87%
0	3	2.074	2.031	-0.04	-2.07%	1.43%
10	4	2.058	2.058	0.00	0.00%	0.00%
10	5	2.056	2.064	0.01	0.39%	0.27%
10	6	2.085	2.089	0.00	0.19%	0.13%
10	7	2.054	2.058	0.00	0.19%	0.13%
10	8	2.065	2.068	0.00	0.15%	0.10%
20	9	2.041	2.057	0.02	0.78%	0.53%
20	10	2.048	2.063	0.02	0.73%	0.50%
20	11	2.029	2.039	0.01	0.49%	0.33%
20	12	2.040	2.053	0.01	0.64%	0.43%
20	13	2.051	2.066	0.02	0.73%	0.50%
30	14	2.055	3.780	1.73	83.94%	57.50%
30	15	2.058	3.727	1.67	81.10%	55.63%
30	16	2.004	2.573	0.57	28.39%	18.97%
30	17	2.064	2.429	0.37	17.68%	12.17%
30	18	1.927	3.557	1.63	84.59%	54.33%
31	19	2.055	2.085	0.03	1.46%	1.00%
31	20	2.058	2.052	-0.01	-0.29%	0.20%
31	21	2.004	2.125	0.12	6.04%	4.03%
31	22	2.064	2.064	0.00	0.00%	0.00%
31	23	1.927	2.140	0.21	11.05%	7.10%
	Max	2.085	3.780	1.70	84.59%	57.50%
	Average	2.036	2.311	0.28	13.70%	9.49%
	Min	1.927	1.976	0.05	-2.76%	0.00%
	Std Dev	0.042	0.562	0.52	28.41%	18.91%

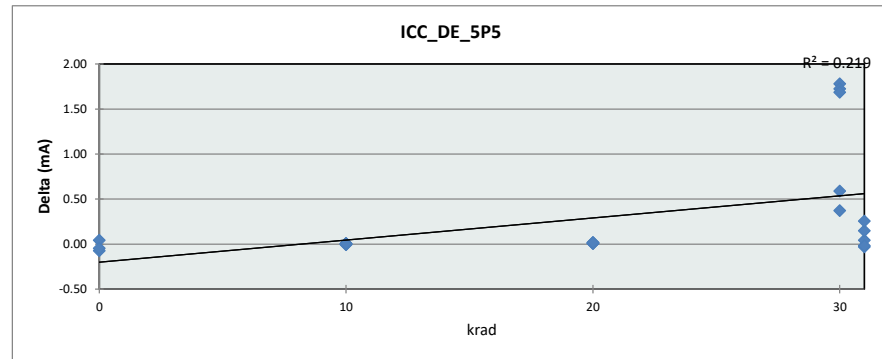


		ICC_DE_3P6				
Units		mA				
Max Limit		3				
Min Limit		0				
krad		0	10	20	30	31
LL		0.000	0.000	0.000	0.000	0.000
Min		1.976	2.058	2.039	2.429	2.052
Average		2.006	2.067	2.056	3.213	2.093
Max		2.031	2.089	2.066	3.780	2.140
UL		3.000	3.000	3.000	3.000	3.000

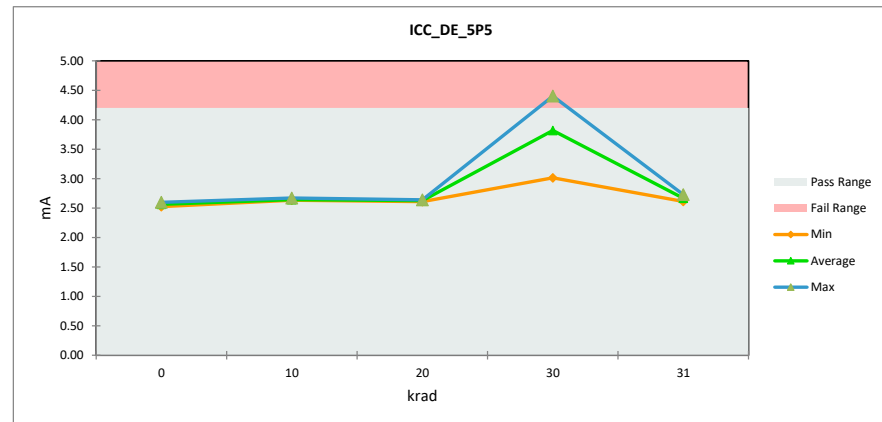


TID Report THVD9491-SEP

		ICC_DE_5P5				
Units		mA				
Max Limit		4.2				
Min Limit		0				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.525	2.568	0.04	1.70%	1.02%
0	2	2.597	2.524	-0.07	-2.81%	1.74%
0	3	2.643	2.597	-0.05	-1.74%	1.10%
10	4	2.629	2.635	0.01	0.23%	0.14%
10	5	2.633	2.640	0.01	0.27%	0.17%
10	6	2.675	2.670	0.00	-0.19%	0.12%
10	7	2.636	2.632	0.00	-0.15%	0.10%
10	8	2.639	2.644	0.01	0.19%	0.12%
20	9	2.609	2.628	0.02	0.73%	0.45%
20	10	2.622	2.636	0.01	0.53%	0.33%
20	11	2.602	2.610	0.01	0.31%	0.19%
20	12	2.616	2.624	0.01	0.31%	0.19%
20	13	2.624	2.638	0.01	0.53%	0.33%
30	14	2.621	4.401	1.78	67.91%	42.38%
30	15	2.643	4.369	1.73	65.30%	41.10%
30	16	2.555	3.145	0.59	23.09%	14.05%
30	17	2.639	3.013	0.37	14.17%	8.90%
30	18	2.472	4.160	1.69	68.28%	40.19%
31	19	2.621	2.664	0.04	1.64%	1.02%
31	20	2.643	2.612	-0.03	-1.17%	0.74%
31	21	2.555	2.703	0.15	5.79%	3.52%
31	22	2.639	2.623	-0.02	-0.61%	0.38%
31	23	2.472	2.729	0.26	10.40%	6.12%
	Max	2.675	4.401	1.73	68.28%	42.38%
	Average	2.605	2.890	0.29	11.07%	7.15%
	Min	2.472	2.524	0.05	-2.81%	0.10%
	Std Dev	0.054	0.580	0.53	22.98%	13.91%



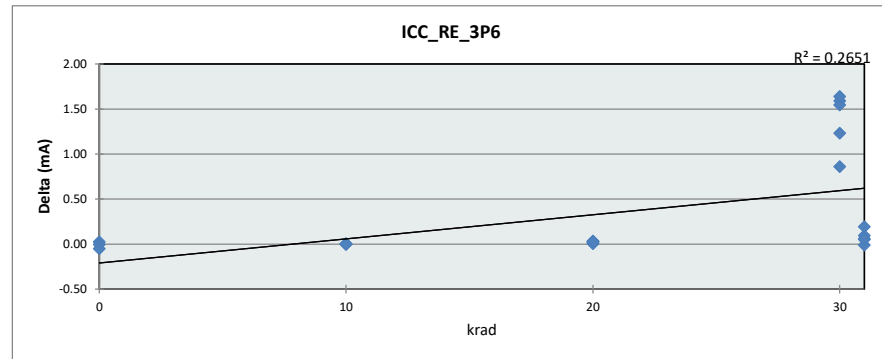
		ICC_DE_5P5				
Units		mA				
Max Limit		4.2				
Min Limit		0				
krad		0	10	20	30	31
LL		0.000	0.000	0.000	0.000	0.000
Min		2.524	2.632	2.610	3.013	2.612
Average		2.563	2.644	2.627	3.818	2.666
Max		2.597	2.670	2.638	4.401	2.729
UL		4.200	4.200	4.200	4.200	4.200



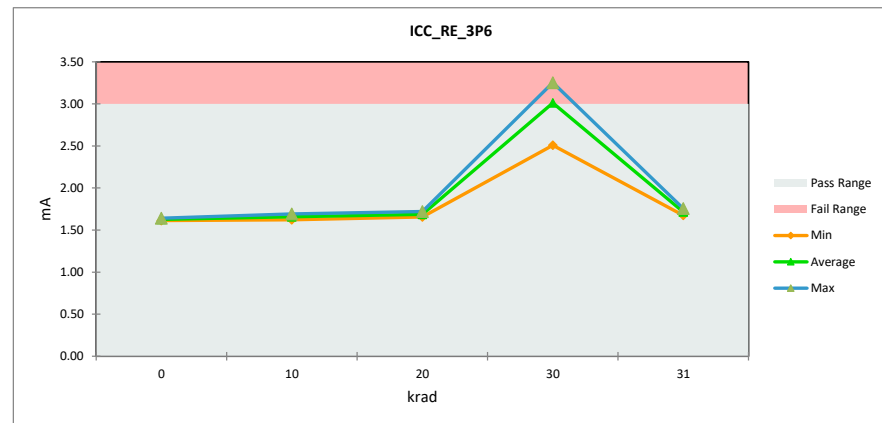
TID Report

THVD9491-SEP

ICC_RE_3P6						
Units	mA					
Max Limit	3					
Min Limit	0					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.614	1.641	0.03	1.67%	0.90%
0	2	1.616	1.613	0.00	-0.19%	0.10%
0	3	1.678	1.627	-0.05	-3.04%	1.70%
10	4	1.619	1.622	0.00	0.19%	0.10%
10	5	1.647	1.649	0.00	0.12%	0.07%
10	6	1.692	1.693	0.00	0.06%	0.03%
10	7	1.658	1.660	0.00	0.12%	0.07%
10	8	1.664	1.666	0.00	0.12%	0.07%
20	9	1.649	1.683	0.03	2.06%	1.13%
20	10	1.669	1.692	0.02	1.38%	0.77%
20	11	1.657	1.680	0.02	1.39%	0.77%
20	12	1.649	1.655	0.01	0.36%	0.20%
20	13	1.692	1.720	0.03	1.65%	0.93%
30	14	1.662	3.253	1.59	95.73%	53.03%
30	15	1.685	3.231	1.55	91.75%	51.53%
30	16	1.629	2.861	1.23	75.63%	41.07%
30	17	1.647	2.508	0.86	52.28%	28.70%
30	18	1.562	3.203	1.64	105.06%	54.70%
31	19	1.662	1.721	0.06	3.55%	1.97%
31	20	1.685	1.675	-0.01	-0.59%	0.33%
31	21	1.629	1.725	0.10	5.89%	3.20%
31	22	1.647	1.699	0.05	3.16%	1.73%
31	23	1.562	1.756	0.19	12.42%	6.47%
	Max	1.692	3.253	1.56	105.06%	54.70%
	Average	1.647	1.967	0.32	19.60%	10.85%
	Min	1.562	1.613	0.05	-3.04%	0.03%
	Std Dev	0.035	0.581	0.55	35.97%	19.46%



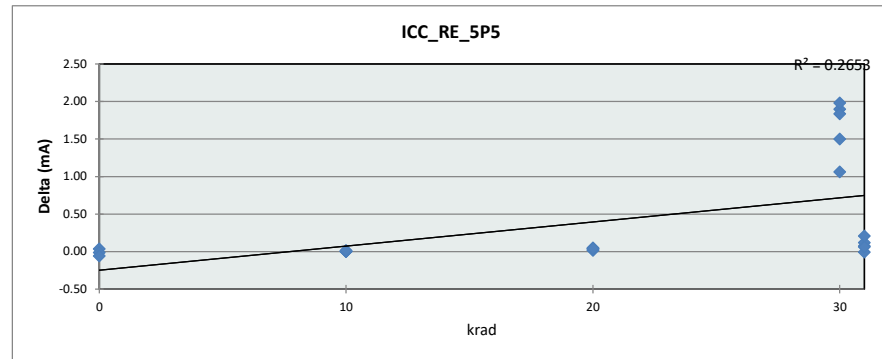
ICC_RE_3P6					
Units	mA				
Max Limit	3				
Min Limit	0				
krad	0	10	20	30	31
LL	0.000	0.000	0.000	0.000	0.000
Min	1.613	1.622	1.655	2.508	1.675
Average	1.627	1.658	1.686	3.011	1.715
Max	1.641	1.693	1.720	3.253	1.756
UL	3.000	3.000	3.000	3.000	3.000



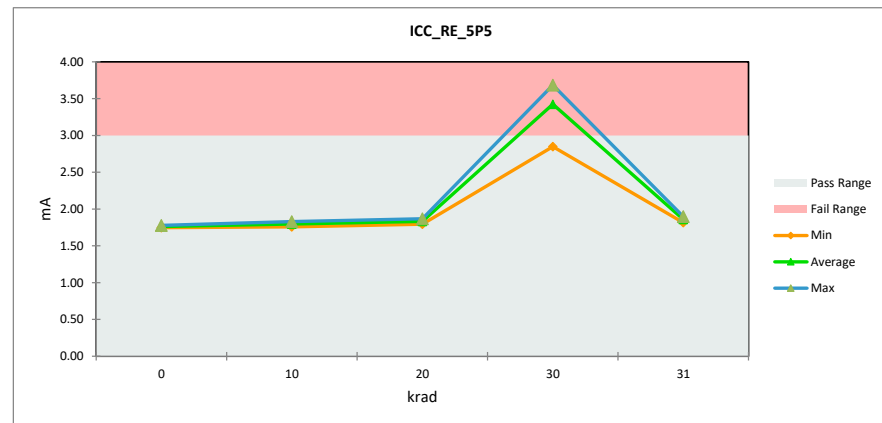
TID Report

THVD9491-SEP

		ICC_RE_5P5				
Units		mA				
Max Limit		3				
Min Limit		0				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.740	1.778	0.04	2.18%	1.27%
0	2	1.758	1.747	-0.01	-0.63%	0.37%
0	3	1.819	1.762	-0.06	-3.13%	1.90%
10	4	1.756	1.758	0.00	0.11%	0.07%
10	5	1.785	1.787	0.00	0.11%	0.07%
10	6	1.822	1.830	0.01	0.44%	0.27%
10	7	1.794	1.798	0.00	0.22%	0.13%
10	8	1.787	1.803	0.02	0.90%	0.53%
20	9	1.785	1.835	0.05	2.80%	1.67%
20	10	1.799	1.841	0.04	2.33%	1.40%
20	11	1.800	1.824	0.02	1.33%	0.80%
20	12	1.776	1.795	0.02	1.07%	0.63%
20	13	1.830	1.869	0.04	2.13%	1.30%
30	14	1.785	3.684	1.90	106.39%	63.30%
30	15	1.824	3.661	1.84	100.71%	61.23%
30	16	1.756	3.257	1.50	85.48%	50.03%
30	17	1.784	2.848	1.06	59.64%	35.47%
30	18	1.689	3.672	1.98	117.41%	66.10%
31	19	1.785	1.859	0.07	4.15%	2.47%
31	20	1.824	1.817	-0.01	-0.38%	0.23%
31	21	1.756	1.877	0.12	6.89%	4.03%
31	22	1.784	1.847	0.06	3.53%	2.10%
31	23	1.689	1.898	0.21	12.37%	6.97%
	Max	1.830	3.684	1.85	117.41%	66.10%
	Average	1.779	2.167	0.39	22.00%	13.14%
	Min	1.689	1.747	0.06	-3.13%	0.07%
	Std Dev	0.038	0.697	0.66	40.02%	23.36%



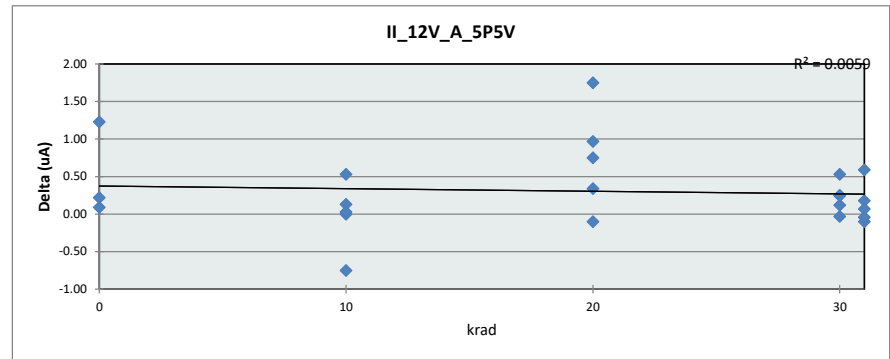
		ICC_RE_5P5				
Units		mA				
Max Limit		3				
Min Limit		0				
krad		0	10	20	30	31
LL		0.000	0.000	0.000	0.000	0.000
Min		1.747	1.758	1.795	2.848	1.817
Average		1.762	1.795	1.833	3.424	1.860
Max		1.778	1.830	1.869	3.684	1.898
UL		3.000	3.000	3.000	3.000	3.000



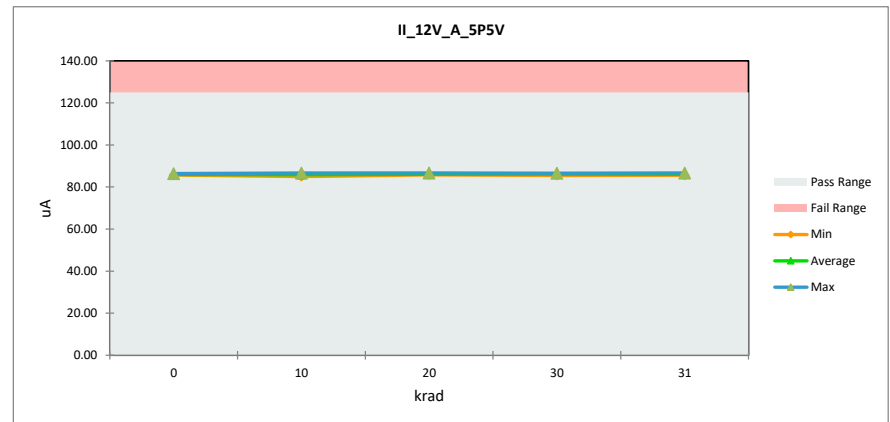
TID Report

THVD9491-SEP

II_12V_A_5P5V						
Units	uA					
Max Limit	125					
Min Limit	0					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	84.430	85.660	1.23	1.46%	0.98%
0	2	86.180	86.400	0.22	0.26%	0.18%
0	3	85.740	85.830	0.09	0.10%	0.07%
10	4	85.800	85.800	0.00	0.00%	0.00%
10	5	86.050	86.180	0.13	0.15%	0.10%
10	6	85.710	85.740	0.03	0.04%	0.02%
10	7	85.710	84.960	-0.75	-0.88%	0.60%
10	8	86.080	86.610	0.53	0.62%	0.42%
20	9	85.870	85.770	-0.10	-0.12%	0.08%
20	10	84.050	85.800	1.75	2.08%	1.40%
20	11	85.430	85.770	0.34	0.40%	0.27%
20	12	85.520	86.490	0.97	1.13%	0.78%
20	13	85.930	86.680	0.75	0.87%	0.60%
30	14	85.870	86.120	0.25	0.29%	0.20%
30	15	85.770	86.300	0.53	0.62%	0.42%
30	16	85.400	85.520	0.12	0.14%	0.10%
30	17	85.870	86.120	0.25	0.29%	0.20%
30	18	86.610	86.580	-0.03	-0.03%	0.02%
31	19	85.870	85.770	-0.10	-0.12%	0.08%
31	20	85.770	86.360	0.59	0.69%	0.47%
31	21	85.400	85.580	0.18	0.21%	0.14%
31	22	85.870	85.830	-0.04	-0.05%	0.03%
31	23	86.610	86.680	0.07	0.08%	0.06%
	Max	86.610	86.680	0.07	2.08%	1.40%
	Average	85.719	86.024	0.30	0.36%	0.31%
	Min	84.050	84.960	0.91	-0.88%	0.00%
	Std Dev	0.563	0.441	-0.12	0.61%	0.36%



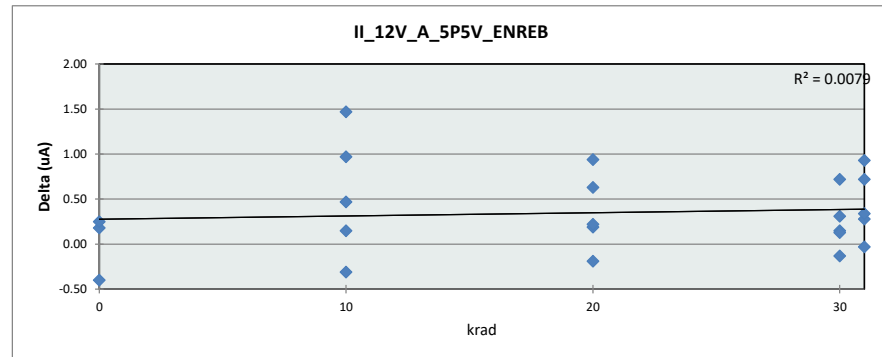
II_12V_A_5P5V					
Units	uA				
Max Limit	125				
Min Limit	0				
krad	0	10	20	30	31
LL	0.000	0.000	0.000	0.000	0.000
Min	85.660	84.960	85.770	85.520	85.580
Average	85.963	85.858	86.102	86.128	86.044
Max	86.400	86.610	86.680	86.580	86.680
UL	125.000	125.000	125.000	125.000	125.000



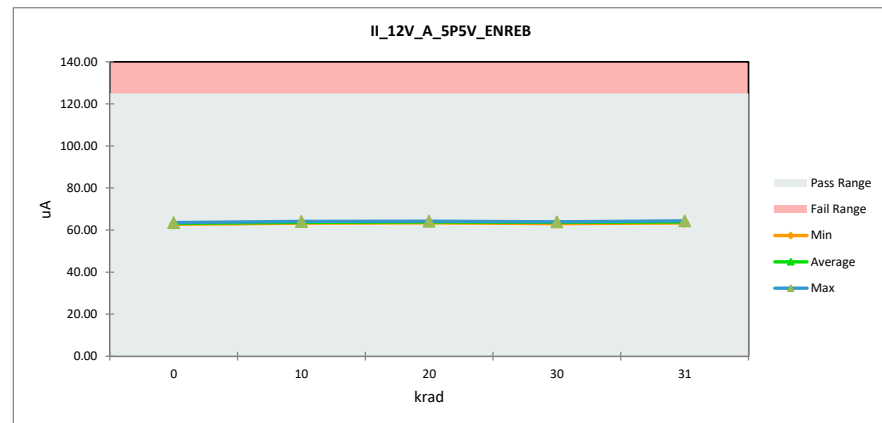
TID Report

THVD9491-SEP

II_12V_A_5P5V_ENREB						
Units	uA					
Max Limit	125					
Min Limit	0					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	62.550	62.730	0.18	0.29%	0.14%
0	2	63.670	63.270	-0.40	-0.63%	0.32%
0	3	63.300	63.550	0.25	0.39%	0.20%
10	4	63.300	63.450	0.15	0.24%	0.12%
10	5	62.200	63.670	1.47	2.36%	1.18%
10	6	63.610	63.300	-0.31	-0.49%	0.25%
10	7	63.110	63.580	0.47	0.74%	0.38%
10	8	63.200	64.170	0.97	1.53%	0.78%
20	9	63.330	63.520	0.19	0.30%	0.15%
20	10	63.610	63.420	-0.19	-0.30%	0.15%
20	11	62.890	63.830	0.94	1.49%	0.75%
20	12	63.450	64.080	0.63	0.99%	0.50%
20	13	63.980	64.200	0.22	0.34%	0.18%
30	14	62.890	63.610	0.72	1.14%	0.58%
30	15	63.830	63.980	0.15	0.23%	0.12%
30	16	63.420	63.550	0.13	0.20%	0.10%
30	17	62.800	63.110	0.31	0.49%	0.25%
30	18	64.050	63.920	-0.13	-0.20%	0.10%
31	19	62.890	63.610	0.72	1.14%	0.58%
31	20	63.830	64.110	0.28	0.44%	0.22%
31	21	63.420	63.390	-0.03	-0.05%	0.02%
31	22	62.800	63.730	0.93	1.48%	0.74%
31	23	64.050	64.390	0.34	0.53%	0.27%
	Max	64.050	64.390	0.34	2.36%	1.18%
	Average	63.312	63.660	0.35	0.55%	0.35%
	Min	62.200	62.730	0.53	-0.63%	0.02%
	Std Dev	0.493	0.390	-0.10	0.73%	0.29%



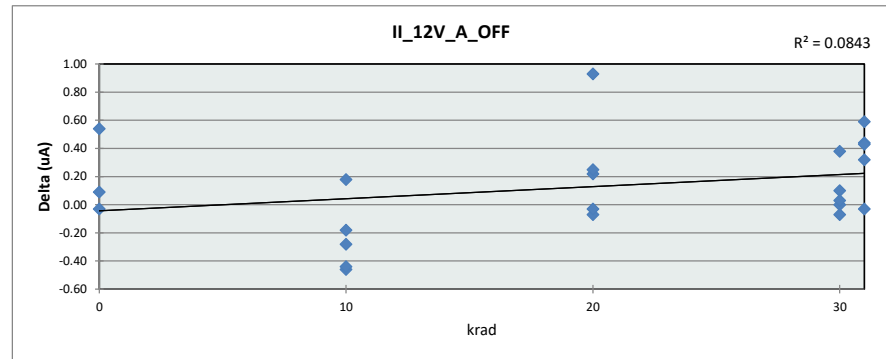
II_12V_A_5P5V_ENREB					
Units	uA				
Max Limit	125				
Min Limit	0				
krad	0	10	20	30	31
LL	0.000	0.000	0.000	0.000	0.000
Min	62.730	63.300	63.420	63.110	63.390
Average	63.183	63.634	63.810	63.634	63.846
Max	63.550	64.170	64.200	63.980	64.390
UL	125.000	125.000	125.000	125.000	125.000



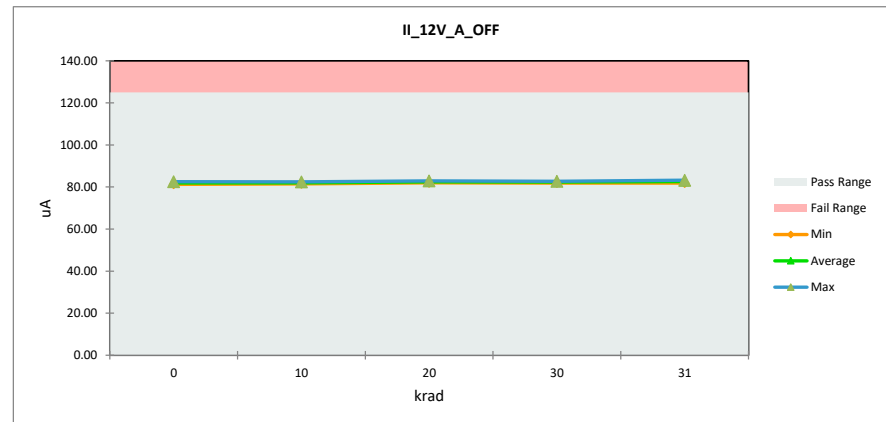
TID Report

THVD9491-SEP

		II_12V_A_OFF				
Units		uA				
Max Limit		125				
Min Limit		0				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	80.710	81.250	0.54	0.67%	0.43%
0	2	82.590	82.560	-0.03	-0.04%	0.02%
0	3	81.840	81.930	0.09	0.11%	0.07%
10	4	82.240	81.780	-0.46	-0.56%	0.37%
10	5	82.810	82.370	-0.44	-0.53%	0.35%
10	6	82.090	81.810	-0.28	-0.34%	0.22%
10	7	81.680	81.500	-0.18	-0.22%	0.14%
10	8	82.280	82.460	0.18	0.22%	0.14%
20	9	82.060	81.990	-0.07	-0.09%	0.06%
20	10	82.090	82.060	-0.03	-0.04%	0.02%
20	11	81.960	82.180	0.22	0.27%	0.18%
20	12	82.030	82.960	0.93	1.13%	0.74%
20	13	82.680	82.930	0.25	0.30%	0.20%
30	14	82.210	82.310	0.10	0.12%	0.08%
30	15	82.430	82.430	0.00	0.00%	0.00%
30	16	81.460	81.840	0.38	0.47%	0.30%
30	17	82.310	82.340	0.03	0.04%	0.02%
30	18	82.810	82.740	-0.07	-0.08%	0.06%
31	19	82.210	82.530	0.32	0.39%	0.26%
31	20	82.430	83.020	0.59	0.72%	0.47%
31	21	81.460	81.900	0.44	0.54%	0.35%
31	22	82.310	82.280	-0.03	-0.04%	0.02%
31	23	82.810	83.240	0.43	0.52%	0.34%
	Max	82.810	83.240	0.43	1.13%	0.74%
	Average	82.152	82.279	0.13	0.15%	0.21%
	Min	80.710	81.250	0.54	-0.56%	0.00%
	Std Dev	0.497	0.501	0.00	0.41%	0.19%



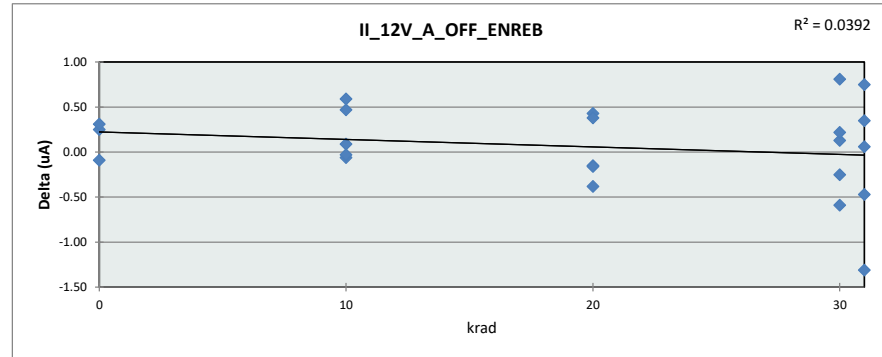
		II_12V_A_OFF				
Units		uA				
Max Limit		125				
Min Limit		0				
krad		0	10	20	30	31
LL		0.000	0.000	0.000	0.000	0.000
Min		81.250	81.500	81.990	81.840	81.900
Average		81.913	81.984	82.424	82.332	82.594
Max		82.560	82.460	82.960	82.740	83.240
UL		125.000	125.000	125.000	125.000	125.000



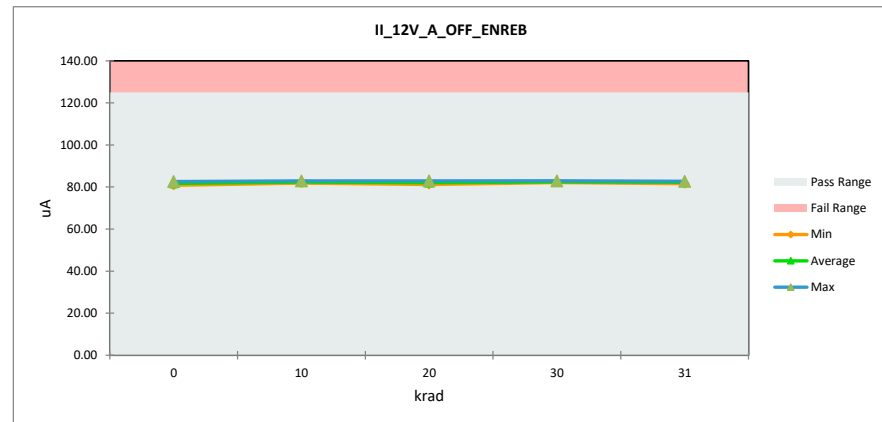
TID Report

THVD9491-SEP

II_12V_A_OFF_ENREB						
Units	uA					
Max Limit	125					
Min Limit	0					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	80.900	80.810	-0.09	-0.11%	0.07%
0	2	82.340	82.590	0.25	0.30%	0.20%
0	3	81.400	81.710	0.31	0.38%	0.25%
10	4	82.150	82.090	-0.06	-0.07%	0.05%
10	5	82.590	82.680	0.09	0.11%	0.07%
10	6	81.810	82.280	0.47	0.57%	0.38%
10	7	81.870	81.840	-0.03	-0.04%	0.02%
10	8	82.340	82.930	0.59	0.72%	0.47%
20	9	82.210	82.060	-0.15	-0.18%	0.12%
20	10	82.310	81.930	-0.38	-0.46%	0.30%
20	11	82.030	82.460	0.43	0.52%	0.34%
20	12	81.310	81.150	-0.16	-0.20%	0.13%
20	13	82.490	82.870	0.38	0.46%	0.30%
30	14	81.990	82.120	0.13	0.16%	0.10%
30	15	82.930	82.340	-0.59	-0.71%	0.47%
30	16	81.340	82.150	0.81	1.00%	0.65%
30	17	82.400	82.620	0.22	0.27%	0.18%
30	18	83.210	82.960	-0.25	-0.30%	0.20%
31	19	81.990	82.340	0.35	0.43%	0.28%
31	20	82.930	81.620	-1.31	-1.58%	1.05%
31	21	81.340	82.090	0.75	0.92%	0.60%
31	22	82.400	82.460	0.06	0.07%	0.05%
31	23	83.210	82.740	-0.47	-0.56%	0.38%
	Max	83.210	82.960	-0.25	1.00%	1.05%
	Average	82.152	82.210	0.06	0.07%	0.29%
	Min	80.900	80.810	-0.09	-1.58%	0.02%
	Std Dev	0.618	0.542	-0.08	0.58%	0.24%



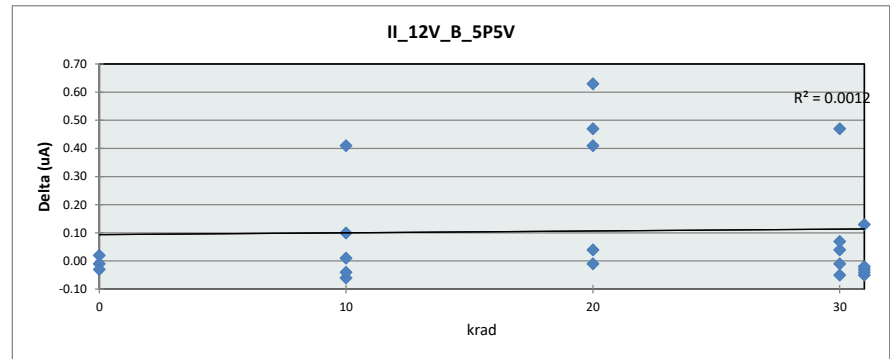
II_12V_A_OFF_ENREB					
Units	uA				
Max Limit	125				
Min Limit	0				
krad	0	10	20	30	31
LL	0.000	0.000	0.000	0.000	0.000
Min	80.810	81.840	81.150	82.120	81.620
Average	81.703	82.364	82.094	82.438	82.250
Max	82.590	82.930	82.870	82.960	82.740
UL	125.000	125.000	125.000	125.000	125.000



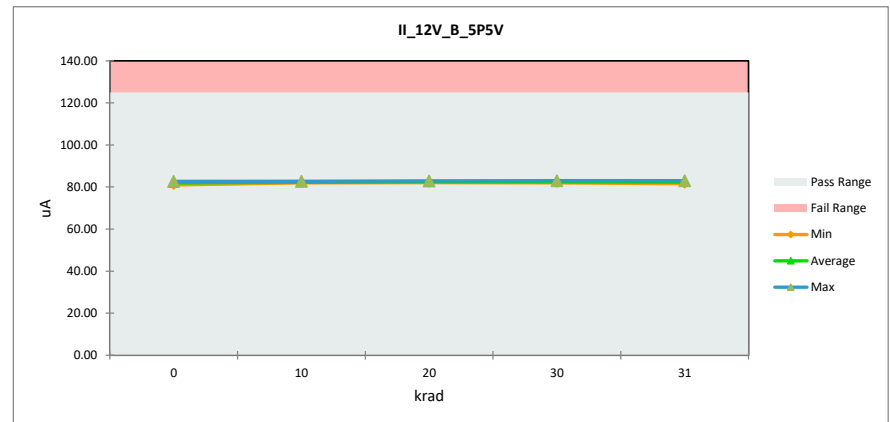
TID Report

THVD9491-SEP

		II_12V_B_5P5V				
Units		uA				
Max Limit		125				
Min Limit		0				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	81.010	81.000	-0.01	-0.01%	0.01%
0	2	82.660	82.680	0.02	0.02%	0.02%
0	3	82.170	82.140	-0.03	-0.04%	0.02%
10	4	82.070	82.170	0.10	0.12%	0.08%
10	5	82.450	82.390	-0.06	-0.07%	0.05%
10	6	81.920	81.930	0.01	0.01%	0.01%
10	7	81.980	81.940	-0.04	-0.05%	0.03%
10	8	82.350	82.760	0.41	0.50%	0.33%
20	9	82.040	82.080	0.04	0.05%	0.03%
20	10	82.160	82.150	-0.01	-0.01%	0.01%
20	11	81.640	82.110	0.47	0.58%	0.38%
20	12	82.050	82.680	0.63	0.77%	0.50%
20	13	82.540	82.950	0.41	0.50%	0.33%
30	14	82.210	82.160	-0.05	-0.06%	0.04%
30	15	82.560	82.600	0.04	0.05%	0.03%
30	16	81.490	81.960	0.47	0.58%	0.38%
30	17	82.350	82.420	0.07	0.09%	0.06%
30	18	83.040	83.030	-0.01	-0.01%	0.01%
31	19	82.210	82.180	-0.03	-0.04%	0.02%
31	20	82.560	82.510	-0.05	-0.06%	0.04%
31	21	81.490	81.620	0.13	0.16%	0.10%
31	22	82.350	82.310	-0.04	-0.05%	0.03%
31	23	83.040	83.020	-0.02	-0.02%	0.02%
	Max	83.040	83.030	-0.01	0.77%	0.50%
	Average	82.189	82.295	0.11	0.13%	0.11%
	Min	81.010	81.000	-0.01	-0.07%	0.01%
	Std Dev	0.479	0.469	-0.01	0.26%	0.15%



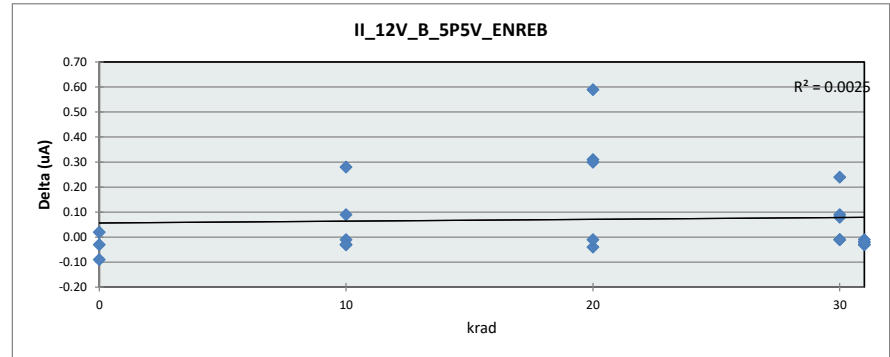
		II_12V_B_5P5V				
Units		uA				
Max Limit		125				
Min Limit		0				
krad		0	10	20	30	31
LL		0.000	0.000	0.000	0.000	0.000
Min		81.000	81.930	82.080	81.960	81.620
Average		81.940	82.238	82.394	82.434	82.328
Max		82.680	82.760	82.950	83.030	83.020
UL		125.000	125.000	125.000	125.000	125.000



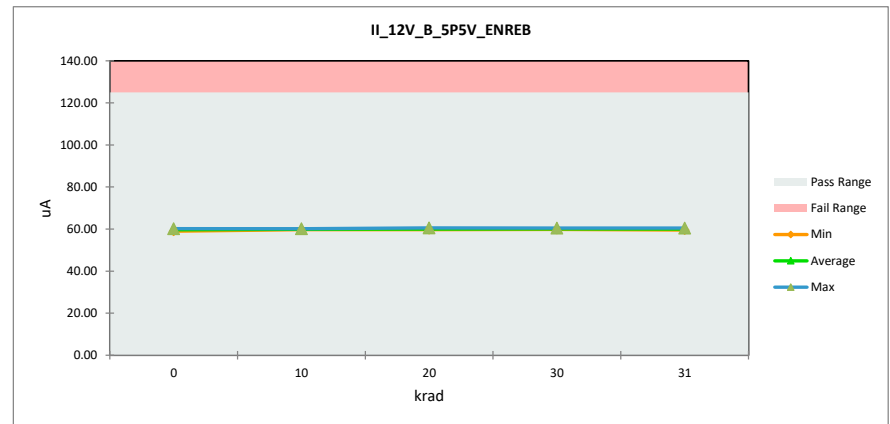
TID Report

THVD9491-SEP

II_12V_B_5P5V_ENREB						
Units	uA					
Max Limit	125					
Min Limit	0					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	59.070	58.980	-0.09	-0.15%	0.07%
0	2	60.160	60.180	0.02	0.03%	0.02%
0	3	59.870	59.840	-0.03	-0.05%	0.02%
10	4	59.760	59.850	0.09	0.15%	0.07%
10	5	60.040	60.010	-0.03	-0.05%	0.02%
10	6	59.700	59.690	-0.01	-0.02%	0.01%
10	7	59.770	59.740	-0.03	-0.05%	0.02%
10	8	59.880	60.160	0.28	0.47%	0.22%
20	9	59.810	59.770	-0.04	-0.07%	0.03%
20	10	59.710	59.700	-0.01	-0.02%	0.01%
20	11	59.460	59.770	0.31	0.52%	0.25%
20	12	59.730	60.320	0.59	0.99%	0.47%
20	13	60.260	60.560	0.30	0.50%	0.24%
30	14	59.840	59.830	-0.01	-0.02%	0.01%
30	15	60.100	60.180	0.08	0.13%	0.06%
30	16	59.600	59.840	0.24	0.40%	0.19%
30	17	59.960	60.050	0.09	0.15%	0.07%
30	18	60.540	60.530	-0.01	-0.02%	0.01%
31	19	59.840	59.820	-0.02	-0.03%	0.02%
31	20	60.100	60.090	-0.01	-0.02%	0.01%
31	21	59.600	59.570	-0.03	-0.05%	0.02%
31	22	59.960	59.930	-0.03	-0.05%	0.02%
31	23	60.540	60.520	-0.02	-0.03%	0.02%
	Max	60.540	60.560	0.02	0.99%	0.47%
	Average	59.883	59.953	0.07	0.12%	0.08%
	Min	59.070	58.980	-0.09	-0.15%	0.01%
	Std Dev	0.326	0.353	0.03	0.27%	0.12%



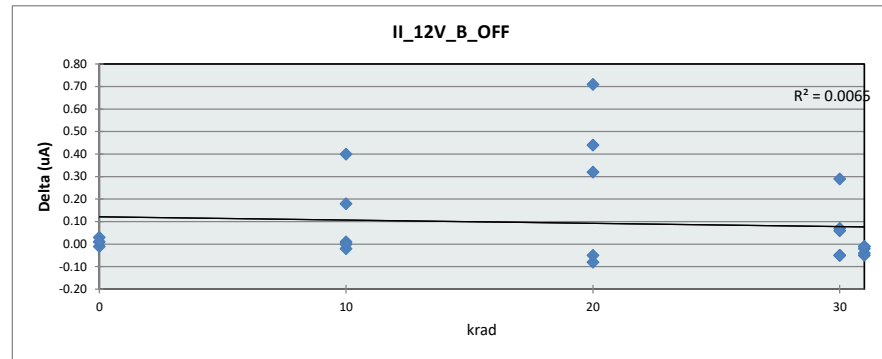
II_12V_B_5P5V_ENREB					
Units	uA				
Max Limit	125				
Min Limit	0				
krad	0	10	20	30	31
LL	0.000	0.000	0.000	0.000	0.000
Min	58.980	59.690	59.700	59.830	59.570
Average	59.667	59.890	60.024	60.086	59.986
Max	60.180	60.160	60.560	60.530	60.520
UL	125.000	125.000	125.000	125.000	125.000



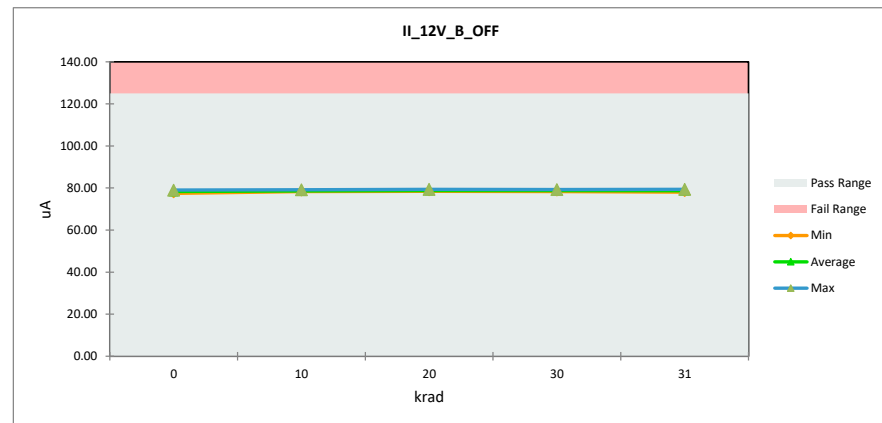
TID Report

THVD9491-SEP

II_12V_B_OFF						
Units	uA					
Max Limit	125					
Min Limit	0					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	77.450	77.440	-0.01	-0.01%	0.01%
0	2	79.000	79.030	0.03	0.04%	0.02%
0	3	78.530	78.540	0.01	0.01%	0.01%
10	4	78.530	78.540	0.01	0.01%	0.01%
10	5	78.800	78.780	-0.02	-0.03%	0.02%
10	6	78.280	78.280	0.00	0.00%	0.00%
10	7	78.130	78.310	0.18	0.23%	0.14%
10	8	78.730	79.130	0.40	0.51%	0.32%
20	9	78.510	78.430	-0.08	-0.10%	0.06%
20	10	78.530	78.480	-0.05	-0.06%	0.04%
20	11	78.170	78.490	0.32	0.41%	0.26%
20	12	78.390	79.100	0.71	0.91%	0.57%
20	13	78.920	79.360	0.44	0.56%	0.35%
30	14	78.580	78.530	-0.05	-0.06%	0.04%
30	15	78.890	78.960	0.07	0.09%	0.06%
30	16	78.040	78.330	0.29	0.37%	0.23%
30	17	78.710	78.770	0.06	0.08%	0.05%
30	18	79.350	79.300	-0.05	-0.06%	0.04%
31	19	78.580	78.530	-0.05	-0.06%	0.04%
31	20	78.890	78.850	-0.04	-0.05%	0.03%
31	21	78.040	78.030	-0.01	-0.01%	0.01%
31	22	78.710	78.690	-0.02	-0.03%	0.02%
31	23	79.350	79.340	-0.01	-0.01%	0.01%
	Max	79.350	79.360	0.01	0.91%	0.57%
	Average	78.570	78.663	0.09	0.12%	0.10%
	Min	77.450	77.440	-0.01	-0.10%	0.00%
	Std Dev	0.434	0.453	0.02	0.26%	0.15%



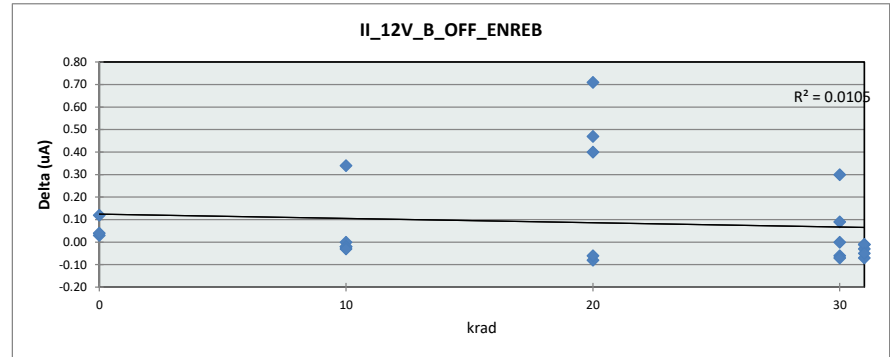
II_12V_B_OFF					
Units	uA				
Max Limit	125				
Min Limit	0				
krad	0	10	20	30	31
LL	0.000	0.000	0.000	0.000	0.000
Min	77.440	78.280	78.430	78.330	78.030
Average	78.337	78.608	78.772	78.778	78.688
Max	79.030	79.130	79.360	79.300	79.340
UL	125.000	125.000	125.000	125.000	125.000



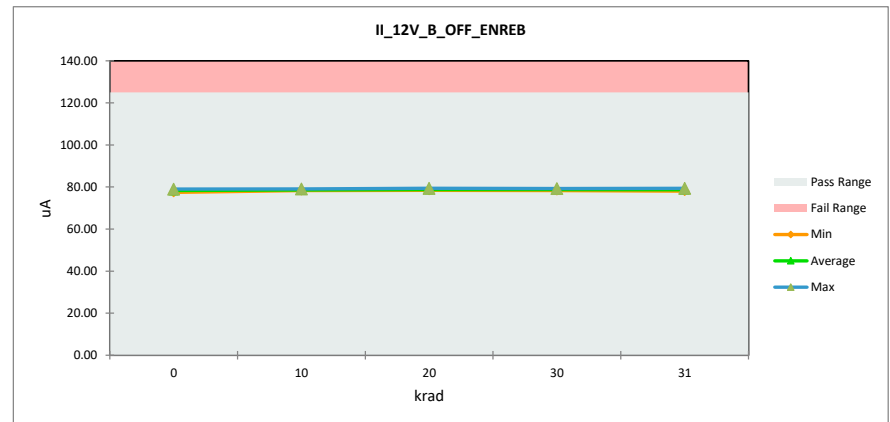
TID Report

THVD9491-SEP

II_12V_B_OFF_ENREB						
Units	uA					
Max Limit	125					
Min Limit	0					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	77.320	77.440	0.12	0.16%	0.10%
0	2	78.990	79.020	0.03	0.04%	0.02%
0	3	78.510	78.550	0.04	0.05%	0.03%
10	4	78.520	78.520	0.00	0.00%	0.00%
10	5	78.790	78.770	-0.02	-0.03%	0.02%
10	6	78.290	78.270	-0.02	-0.03%	0.02%
10	7	78.330	78.300	-0.03	-0.04%	0.02%
10	8	78.740	79.080	0.34	0.43%	0.27%
20	9	78.500	78.420	-0.08	-0.10%	0.06%
20	10	78.540	78.480	-0.06	-0.08%	0.05%
20	11	78.110	78.510	0.40	0.51%	0.32%
20	12	78.420	79.130	0.71	0.91%	0.57%
20	13	78.930	79.400	0.47	0.60%	0.38%
30	14	78.580	78.520	-0.06	-0.08%	0.05%
30	15	78.920	78.920	0.00	0.00%	0.00%
30	16	78.040	78.340	0.30	0.38%	0.24%
30	17	78.690	78.780	0.09	0.11%	0.07%
30	18	79.380	79.310	-0.07	-0.09%	0.06%
31	19	78.580	78.570	-0.01	-0.01%	0.01%
31	20	78.920	78.850	-0.07	-0.09%	0.06%
31	21	78.040	78.010	-0.03	-0.04%	0.02%
31	22	78.690	78.680	-0.01	-0.01%	0.01%
31	23	79.380	79.330	-0.05	-0.06%	0.04%
	Max	79.380	79.400	0.02	0.91%	0.57%
	Average	78.574	78.661	0.09	0.11%	0.10%
	Min	77.320	77.440	0.12	-0.10%	0.00%
	Std Dev	0.451	0.454	0.00	0.27%	0.15%



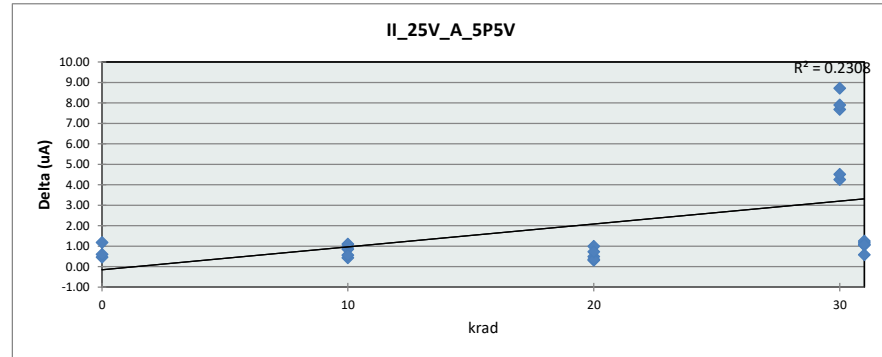
II_12V_B_OFF_ENREB					
Units	uA				
Max Limit	125				
Min Limit	0				
krad	0	10	20	30	31
LL	0.000	0.000	0.000	0.000	0.000
Min	77.440	78.270	78.420	78.340	78.010
Average	78.337	78.588	78.788	78.774	78.688
Max	79.020	79.080	79.400	79.310	79.330
UL	125.000	125.000	125.000	125.000	125.000



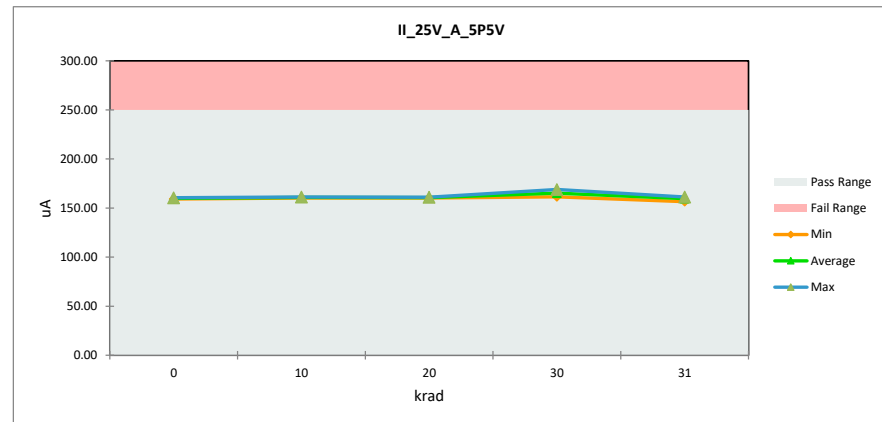
TID Report

THVD9491-SEP

II_25V_A_5P5V						
Units	uA					
Max Limit	250					
Min Limit	0					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	158.000	159.187	1.19	0.75%	0.47%
0	2	159.500	159.966	0.47	0.29%	0.19%
0	3	159.900	160.509	0.61	0.38%	0.24%
10	4	159.700	160.142	0.44	0.28%	0.18%
10	5	159.900	160.877	0.98	0.61%	0.39%
10	6	159.900	160.760	0.86	0.54%	0.34%
10	7	160.000	160.565	0.56	0.35%	0.23%
10	8	160.200	161.305	1.11	0.69%	0.44%
20	9	159.800	160.302	0.50	0.31%	0.20%
20	10	159.800	160.800	1.00	0.63%	0.40%
20	11	160.100	160.415	0.32	0.20%	0.13%
20	12	160.200	160.557	0.36	0.22%	0.14%
20	13	160.400	161.133	0.73	0.46%	0.29%
30	14	160.000	164.259	4.26	2.66%	1.70%
30	15	160.200	168.924	8.72	5.45%	3.49%
30	16	156.900	161.412	4.51	2.88%	1.80%
30	17	160.200	167.890	7.69	4.80%	3.08%
30	18	155.400	163.308	7.91	5.09%	3.16%
31	19	160.000	161.171	1.17	0.73%	0.47%
31	20	160.200	161.261	1.06	0.66%	0.42%
31	21	156.900	158.157	1.26	0.80%	0.50%
31	22	160.200	160.790	0.59	0.37%	0.24%
31	23	155.400	156.491	1.09	0.70%	0.44%
	Max	160.400	168.924	8.52	5.45%	3.49%
	Average	159.252	161.312	2.06	1.30%	0.82%
	Min	155.400	156.491	1.09	0.20%	0.13%
	Std Dev	1.560	2.692	1.13	1.66%	1.05%

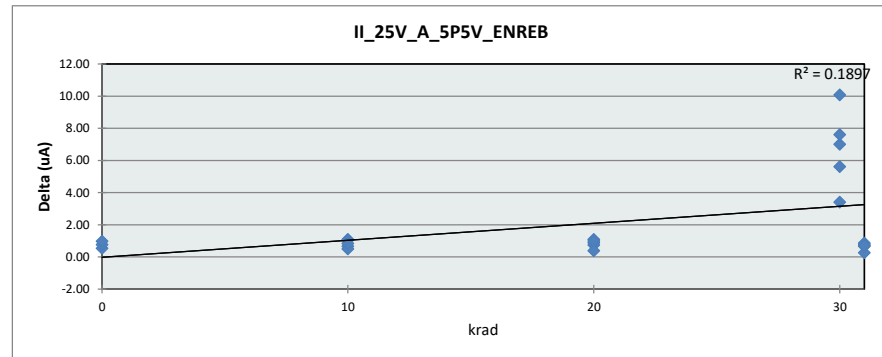


II_25V_A_5P5V					
Units	uA				
Max Limit	250				
Min Limit	0				
krad	0	10	20	30	31
LL	0.000	0.000	0.000	0.000	0.000
Min	159.187	160.142	160.302	161.412	156.491
Average	159.887	160.730	160.642	165.159	159.574
Max	160.509	161.305	161.133	168.924	161.261
UL	250.000	250.000	250.000	250.000	250.000

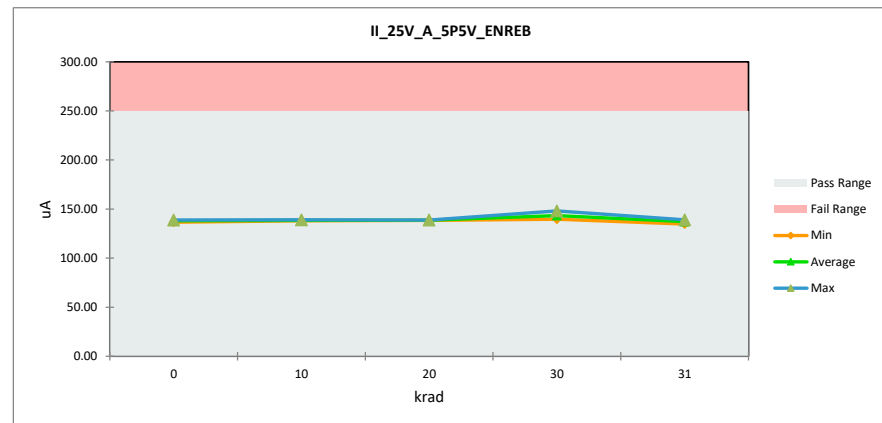


TID Report THVD9491-SEP

II_25V_A_5P5V_ENREB						
Units	uA					
Max Limit	250					
Min Limit	0					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	136.100	136.648	0.55	0.40%	0.22%
0	2	138.000	138.769	0.77	0.56%	0.31%
0	3	137.900	138.885	0.98	0.71%	0.39%
10	4	138.000	138.671	0.67	0.49%	0.27%
10	5	137.900	138.995	1.09	0.79%	0.44%
10	6	137.500	138.003	0.50	0.37%	0.20%
10	7	137.000	138.063	1.06	0.78%	0.43%
10	8	138.100	138.949	0.85	0.62%	0.34%
20	9	137.600	138.691	1.09	0.79%	0.44%
20	10	137.600	138.350	0.75	0.55%	0.30%
20	11	137.900	138.777	0.88	0.64%	0.35%
20	12	137.500	138.493	0.99	0.72%	0.40%
20	13	138.100	138.495	0.39	0.29%	0.16%
30	14	138.100	141.510	3.41	2.47%	1.36%
30	15	137.900	144.914	7.01	5.09%	2.81%
30	16	134.700	142.313	7.61	5.65%	3.05%
30	17	138.000	148.084	10.08	7.31%	4.03%
30	18	134.000	139.627	5.63	4.20%	2.25%
31	19	138.100	138.969	0.87	0.63%	0.35%
31	20	137.900	138.696	0.80	0.58%	0.32%
31	21	134.700	135.367	0.67	0.49%	0.27%
31	22	138.000	138.272	0.27	0.20%	0.11%
31	23	134.000	134.705	0.70	0.53%	0.28%
	Max	138.100	148.084	9.98	7.31%	4.03%
	Average	137.157	139.228	2.07	1.51%	0.83%
	Min	134.000	134.705	0.70	0.20%	0.11%
	Std Dev	1.397	2.819	1.42	2.00%	1.10%



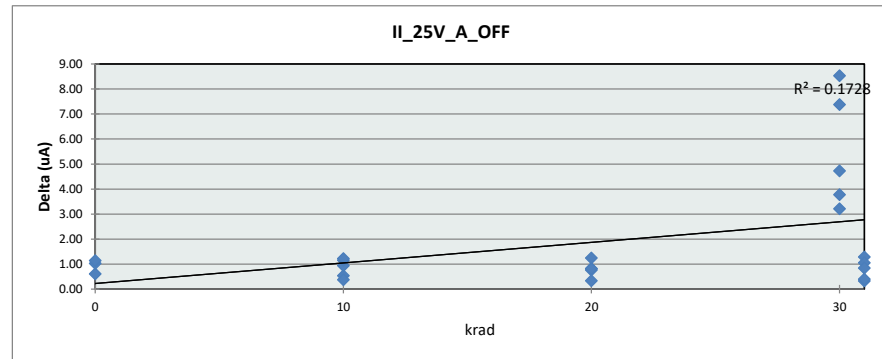
II_25V_A_5P5V_ENREB					
Units	uA				
Max Limit	250				
Min Limit	0				
krad	0	10	20	30	31
LL	0.000	0.000	0.000	0.000	0.000
Min	136.648	138.003	138.350	139.627	134.705
Average	138.101	138.536	138.561	143.289	137.202
Max	138.885	138.995	138.777	148.084	138.969
UL	250.000	250.000	250.000	250.000	250.000



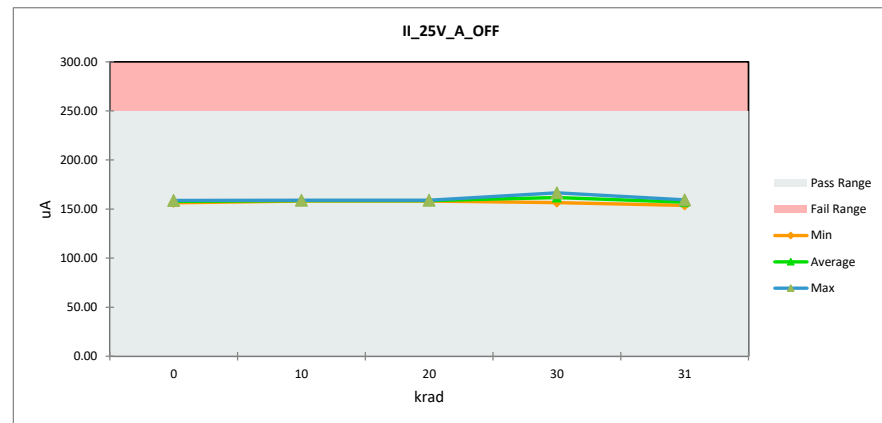
TID Report

THVD9491-SEP

II_25V_A_OFF						
Units	uA					
Max Limit	250					
Min Limit	0					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	155.600	156.216	0.62	0.40%	0.25%
0	2	157.500	158.528	1.03	0.65%	0.41%
0	3	157.600	158.746	1.15	0.73%	0.46%
10	4	157.600	158.137	0.54	0.34%	0.21%
10	5	157.500	158.445	0.94	0.60%	0.38%
10	6	157.600	158.760	1.16	0.74%	0.46%
10	7	157.800	158.177	0.38	0.24%	0.15%
10	8	157.800	159.025	1.22	0.78%	0.49%
20	9	157.700	158.466	0.77	0.49%	0.31%
20	10	157.800	158.141	0.34	0.22%	0.14%
20	11	157.800	158.619	0.82	0.52%	0.33%
20	12	157.500	158.324	0.82	0.52%	0.33%
20	13	157.700	158.947	1.25	0.79%	0.50%
30	14	157.600	162.333	4.73	3.00%	1.89%
30	15	158.000	166.534	8.53	5.40%	3.41%
30	16	154.400	158.180	3.78	2.45%	1.51%
30	17	157.700	165.082	7.38	4.68%	2.95%
30	18	153.300	156.513	3.21	2.10%	1.29%
31	19	157.600	157.928	0.33	0.21%	0.13%
31	20	158.000	159.292	1.29	0.82%	0.52%
31	21	154.400	155.451	1.05	0.68%	0.42%
31	22	157.700	158.548	0.85	0.54%	0.34%
31	23	153.300	153.705	0.40	0.26%	0.16%
	Max	158.000	166.534	8.53	5.40%	3.41%
	Average	156.935	158.787	1.85	1.18%	0.74%
	Min	153.300	153.705	0.40	0.21%	0.13%
	Std Dev	1.535	2.732	1.20	1.42%	0.89%



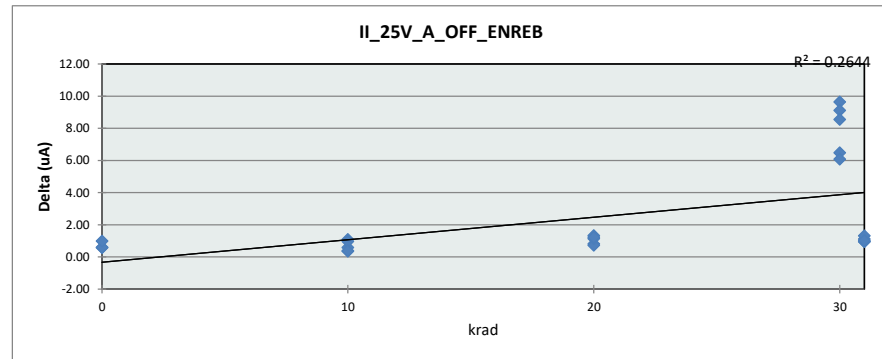
II_25V_A_OFF					
Units	uA				
Max Limit	250				
Min Limit	0				
krad	0	10	20	30	31
LL	0.000	0.000	0.000	0.000	0.000
Min	156.216	158.137	158.141	156.513	153.705
Average	157.830	158.509	158.499	161.728	156.985
Max	158.746	159.025	158.947	166.534	159.292
UL	250.000	250.000	250.000	250.000	250.000



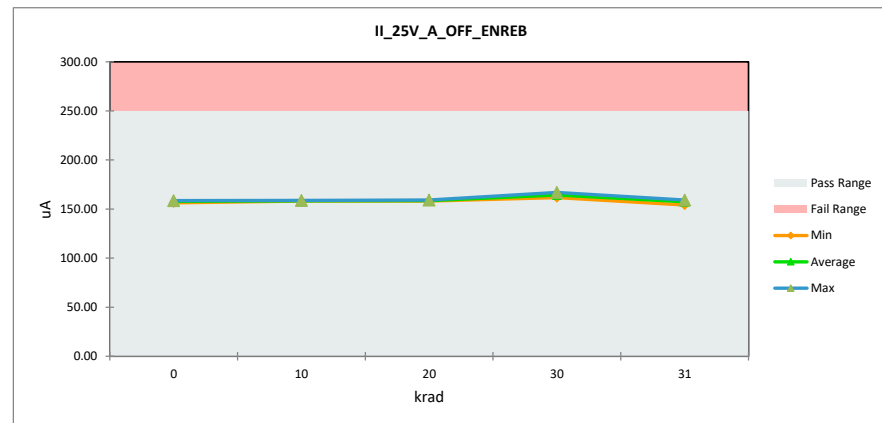
TID Report

THVD9491-SEP

II_25V_A_OFF_ENREB						
Units	uA					
Max Limit	250					
Min Limit	0					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	155.700	156.285	0.59	0.38%	0.23%
0	2	157.700	158.309	0.61	0.39%	0.24%
0	3	157.600	158.601	1.00	0.64%	0.40%
10	4	157.600	158.691	1.09	0.69%	0.44%
10	5	157.700	158.293	0.59	0.38%	0.24%
10	6	157.600	158.565	0.96	0.61%	0.39%
10	7	157.900	158.271	0.37	0.24%	0.15%
10	8	157.800	158.177	0.38	0.24%	0.15%
20	9	157.600	158.935	1.33	0.85%	0.53%
20	10	157.300	158.126	0.83	0.53%	0.33%
20	11	157.700	158.429	0.73	0.46%	0.29%
20	12	157.200	158.343	1.14	0.73%	0.46%
20	13	157.900	159.128	1.23	0.78%	0.49%
30	14	157.900	164.388	6.49	4.11%	2.60%
30	15	158.100	164.185	6.09	3.85%	2.43%
30	16	154.700	164.339	9.64	6.23%	3.86%
30	17	157.800	166.916	9.12	5.78%	3.65%
30	18	153.100	161.657	8.56	5.59%	3.42%
31	19	157.900	158.852	0.95	0.60%	0.38%
31	20	158.100	159.216	1.12	0.71%	0.45%
31	21	154.700	155.658	0.96	0.62%	0.38%
31	22	157.800	159.126	1.33	0.84%	0.53%
31	23	153.100	154.123	1.02	0.67%	0.41%
	Max	158.100	166.916	8.82	6.23%	3.86%
	Average	156.978	159.418	2.44	1.56%	0.98%
	Min	153.100	154.123	1.02	0.24%	0.15%
	Std Dev	1.556	2.990	1.43	1.97%	1.23%



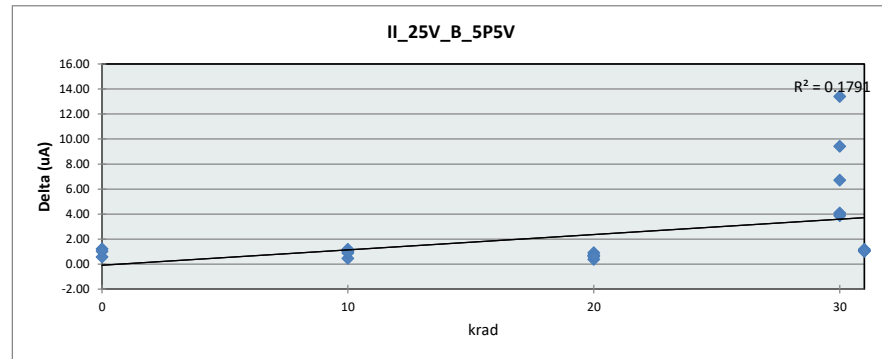
II_25V_A_OFF_ENREB					
Units	uA				
Max Limit	250				
Min Limit	0				
krad	0	10	20	30	31
LL	0.000	0.000	0.000	0.000	0.000
Min	156.285	158.177	158.126	161.657	154.123
Average	157.732	158.399	158.592	164.297	157.395
Max	158.601	158.691	159.128	166.916	159.216
UL	250.000	250.000	250.000	250.000	250.000



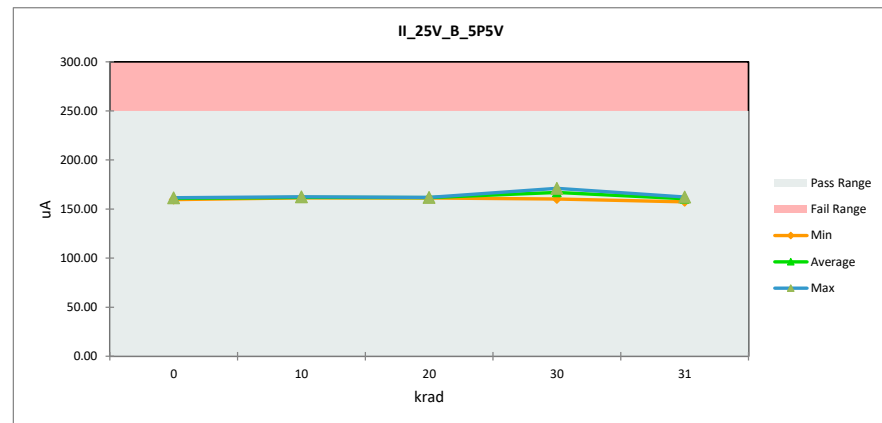
TID Report

THVD9491-SEP

II_25V_B_5P5V						
Units	uA					
Max Limit	250					
Min Limit	0					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	158.400	159.618	1.22	0.77%	0.49%
0	2	160.900	161.486	0.59	0.36%	0.23%
0	3	160.500	161.522	1.02	0.64%	0.41%
10	4	161.000	162.056	1.06	0.66%	0.42%
10	5	161.100	162.131	1.03	0.64%	0.41%
10	6	160.900	161.370	0.47	0.29%	0.19%
10	7	161.200	162.386	1.19	0.74%	0.47%
10	8	160.900	161.803	0.90	0.56%	0.36%
20	9	160.900	161.606	0.71	0.44%	0.28%
20	10	160.900	161.817	0.92	0.57%	0.37%
20	11	160.800	161.181	0.38	0.24%	0.15%
20	12	161.000	161.692	0.69	0.43%	0.28%
20	13	161.100	161.709	0.61	0.38%	0.24%
30	14	160.900	164.995	4.09	2.54%	1.64%
30	15	161.100	167.816	6.72	4.17%	2.69%
30	16	157.700	171.105	13.40	8.50%	5.36%
30	17	161.000	170.425	9.42	5.85%	3.77%
30	18	156.300	160.182	3.88	2.48%	1.55%
31	19	160.900	161.962	1.06	0.66%	0.42%
31	20	161.100	162.208	1.11	0.69%	0.44%
31	21	157.700	158.777	1.08	0.68%	0.43%
31	22	161.000	162.190	1.19	0.74%	0.48%
31	23	156.300	157.322	1.02	0.65%	0.41%
	Max	161.200	171.105	9.90	8.50%	5.36%
	Average	160.157	162.494	2.34	1.46%	0.93%
	Min	156.300	157.322	1.02	0.24%	0.15%
	Std Dev	1.607	3.265	1.66	2.06%	1.31%



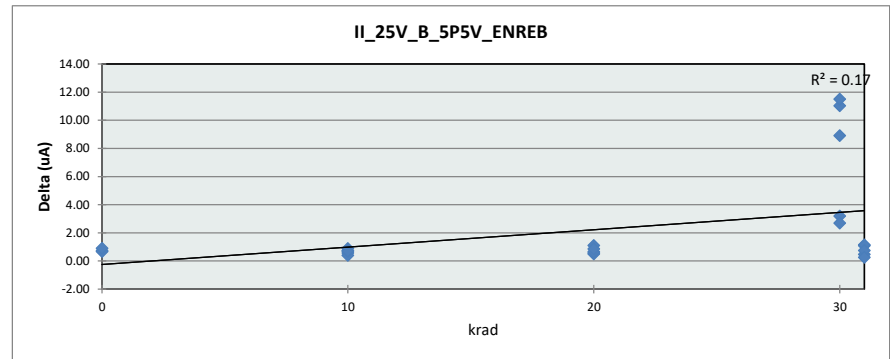
II_25V_B_5P5V					
Units	uA				
Max Limit	250				
Min Limit	0				
krad	0	10	20	30	31
LL	0.000	0.000	0.000	0.000	0.000
Min	159.618	161.370	161.181	160.182	157.322
Average	160.875	161.949	161.601	166.905	160.492
Max	161.522	162.386	161.817	171.105	162.208
UL	250.000	250.000	250.000	250.000	250.000



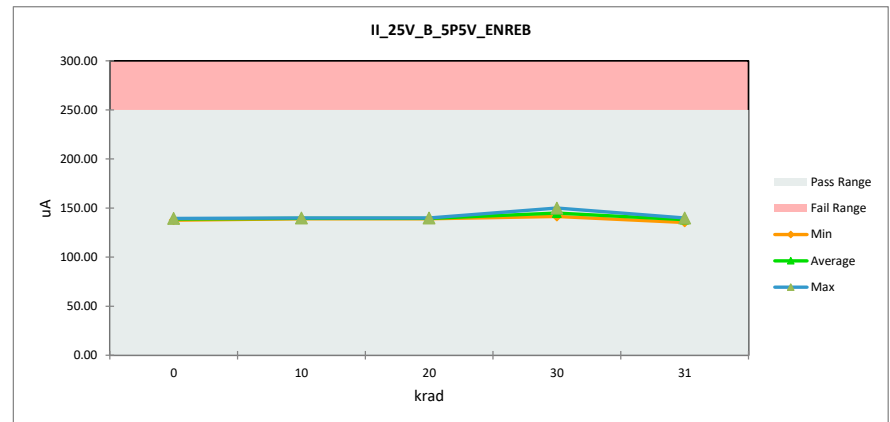
TID Report

THVD9491-SEP

II_25V_B_5P5V_ENREB						
Units	uA					
Max Limit	250					
Min Limit	0					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	136.800	137.540	0.74	0.54%	0.30%
0	2	138.700	139.380	0.68	0.49%	0.27%
0	3	138.500	139.407	0.91	0.65%	0.36%
10	4	138.500	139.391	0.89	0.64%	0.36%
10	5	138.900	139.474	0.57	0.41%	0.23%
10	6	138.600	139.012	0.41	0.30%	0.16%
10	7	139.100	139.830	0.73	0.53%	0.29%
10	8	138.800	139.512	0.71	0.51%	0.28%
20	9	138.700	139.201	0.50	0.36%	0.20%
20	10	138.600	139.710	1.11	0.80%	0.44%
20	11	138.400	138.972	0.57	0.41%	0.23%
20	12	138.600	139.269	0.67	0.48%	0.27%
20	13	139.000	139.862	0.86	0.62%	0.34%
30	14	138.700	141.903	3.20	2.31%	1.28%
30	15	138.700	141.398	2.70	1.94%	1.08%
30	16	136.100	147.136	11.04	8.11%	4.41%
30	17	138.500	150.008	11.51	8.31%	4.60%
30	18	135.000	143.924	8.92	6.61%	3.57%
31	19	138.700	139.183	0.48	0.35%	0.19%
31	20	138.700	139.789	1.09	0.78%	0.44%
31	21	136.100	137.249	1.15	0.84%	0.46%
31	22	138.500	139.245	0.75	0.54%	0.30%
31	23	135.000	135.269	0.27	0.20%	0.11%
	Max	139.100	150.008	10.91	8.31%	4.60%
	Average	138.052	140.246	2.19	1.60%	0.88%
	Min	135.000	135.269	0.27	0.20%	0.11%
	Std Dev	1.269	3.111	1.84	2.47%	1.35%



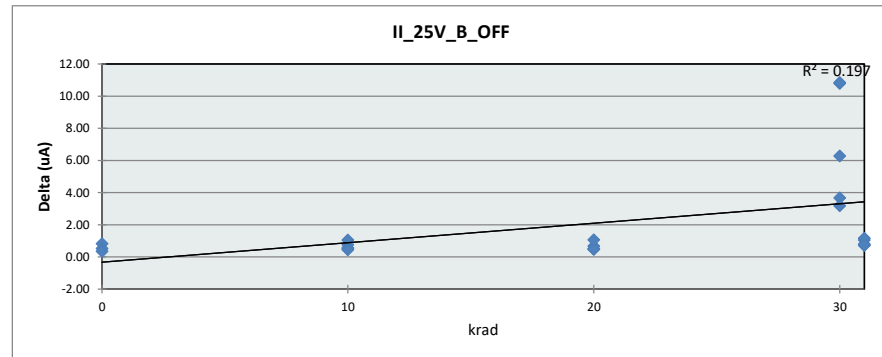
II_25V_B_5P5V_ENREB					
Units	uA				
Max Limit	250				
Min Limit	0				
krad	0	10	20	30	31
LL	0.000	0.000	0.000	0.000	0.000
Min	137.540	139.012	138.972	141.398	135.269
Average	138.776	139.444	139.403	144.874	138.147
Max	139.407	139.830	139.862	150.008	139.789
UL	250.000	250.000	250.000	250.000	250.000



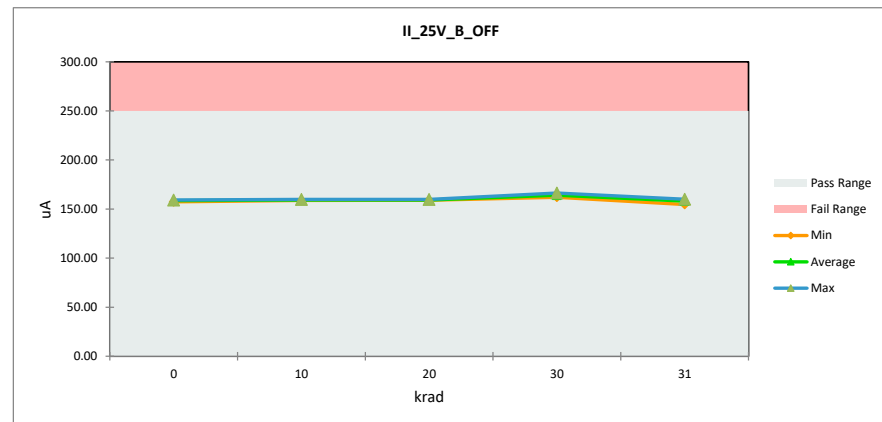
TID Report

THVD9491-SEP

		II_25V_B_OFF				
Units		uA				
Max Limit		250				
Min Limit		0				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	156.500	157.336	0.84	0.53%	0.33%
0	2	158.700	159.230	0.53	0.33%	0.21%
0	3	158.500	158.853	0.35	0.22%	0.14%
10	4	158.300	158.865	0.57	0.36%	0.23%
10	5	158.500	159.264	0.76	0.48%	0.31%
10	6	158.700	159.760	1.06	0.67%	0.42%
10	7	158.700	159.246	0.55	0.34%	0.22%
10	8	158.500	158.952	0.45	0.29%	0.18%
20	9	158.700	159.219	0.52	0.33%	0.21%
20	10	158.400	158.886	0.49	0.31%	0.19%
20	11	158.500	159.185	0.68	0.43%	0.27%
20	12	158.500	158.996	0.50	0.31%	0.20%
20	13	158.800	159.872	1.07	0.68%	0.43%
30	14	158.900	162.580	3.68	2.32%	1.47%
30	15	158.800	161.987	3.19	2.01%	1.27%
30	16	155.500	166.298	10.80	6.94%	4.32%
30	17	158.700	164.980	6.28	3.96%	2.51%
30	18	153.900	164.753	10.85	7.05%	4.34%
31	19	158.900	159.965	1.06	0.67%	0.43%
31	20	158.800	159.605	0.81	0.51%	0.32%
31	21	155.500	156.229	0.73	0.47%	0.29%
31	22	158.700	159.876	1.18	0.74%	0.47%
31	23	153.900	154.636	0.74	0.48%	0.29%
	Max	158.900	166.298	7.40	7.05%	4.34%
	Average	157.865	159.938	2.07	1.32%	0.83%
	Min	153.900	154.636	0.74	0.22%	0.14%
	Std Dev	1.594	2.670	1.08	1.99%	1.23%



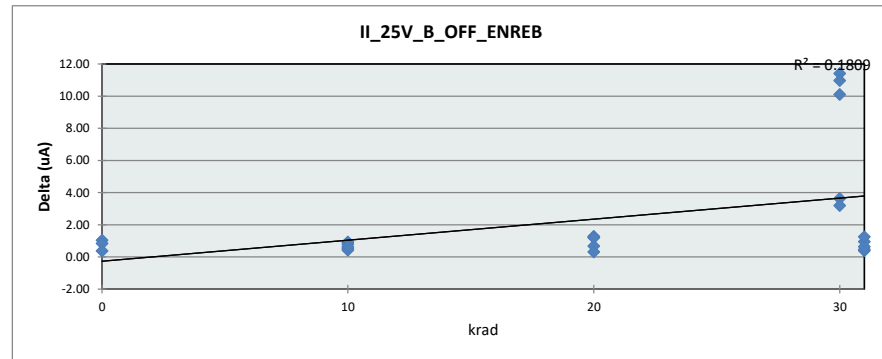
		II_25V_B_OFF				
Units		uA				
Max Limit		250				
Min Limit		0				
krad		0	10	20	30	31
LL		0.000	0.000	0.000	0.000	0.000
Min		157.336	158.865	158.886	161.987	154.636
Average		158.473	159.217	159.232	164.120	158.062
Max		159.230	159.760	159.872	166.298	159.965
UL		250.000	250.000	250.000	250.000	250.000



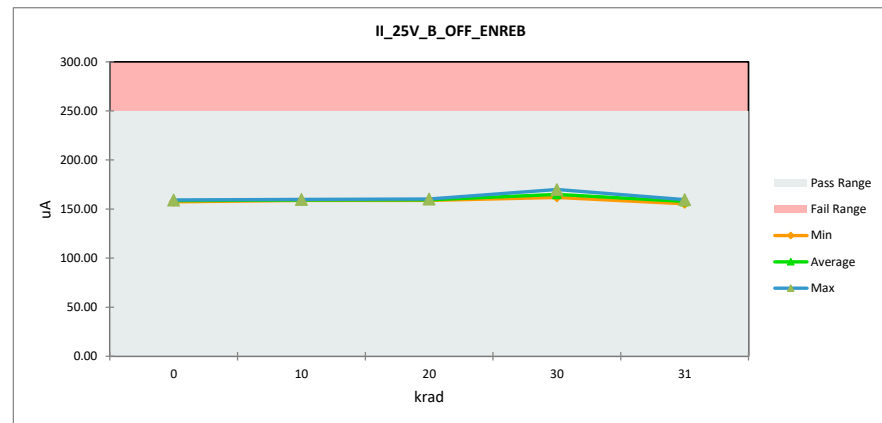
TID Report

THVD9491-SEP

II_25V_B_OFF_ENREB						
Units	uA					
Max Limit	250					
Min Limit	0					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	156.300	157.343	1.04	0.67%	0.42%
0	2	158.400	159.251	0.85	0.54%	0.34%
0	3	158.500	158.880	0.38	0.24%	0.15%
10	4	158.300	159.110	0.81	0.51%	0.32%
10	5	158.700	159.243	0.54	0.34%	0.22%
10	6	158.400	158.832	0.43	0.27%	0.17%
10	7	158.900	159.838	0.94	0.59%	0.38%
10	8	158.500	159.144	0.64	0.41%	0.26%
20	9	157.800	159.006	1.21	0.76%	0.48%
20	10	158.300	159.582	1.28	0.81%	0.51%
20	11	158.400	159.080	0.68	0.43%	0.27%
20	12	158.400	158.722	0.32	0.20%	0.13%
20	13	158.900	160.128	1.23	0.77%	0.49%
30	14	158.500	169.914	11.41	7.20%	4.57%
30	15	158.500	162.139	3.64	2.30%	1.46%
30	16	155.400	165.513	10.11	6.51%	4.05%
30	17	158.600	161.797	3.20	2.02%	1.28%
30	18	154.100	165.080	10.98	7.13%	4.39%
31	19	158.500	158.898	0.40	0.25%	0.16%
31	20	158.500	158.971	0.47	0.30%	0.19%
31	21	155.400	156.040	0.64	0.41%	0.26%
31	22	158.600	159.555	0.95	0.60%	0.38%
31	23	154.100	155.359	1.26	0.82%	0.50%
	Max	158.900	169.914	11.01	7.20%	4.57%
	Average	157.739	160.062	2.32	1.48%	0.93%
	Min	154.100	155.359	1.26	0.20%	0.13%
	Std Dev	1.514	3.147	1.63	2.23%	1.39%



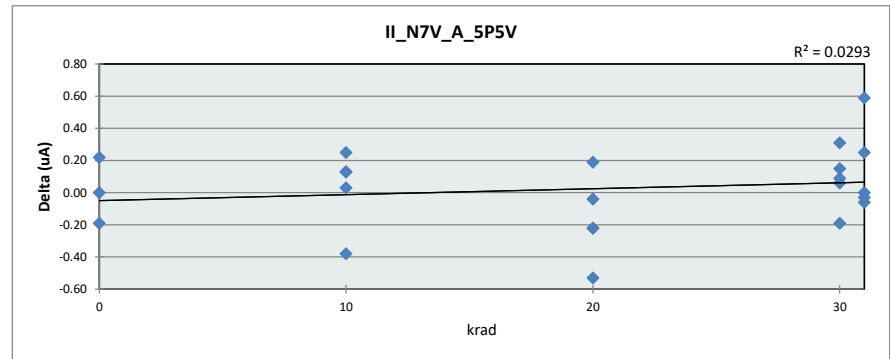
II_25V_B_OFF_ENREB					
Units	uA				
Max Limit	250				
Min Limit	0				
krad	0	10	20	30	31
LL	0.000	0.000	0.000	0.000	0.000
Min	157.343	158.832	158.722	161.797	155.359
Average	158.491	159.233	159.303	164.889	157.765
Max	159.251	159.838	160.128	169.914	159.555
UL	250.000	250.000	250.000	250.000	250.000



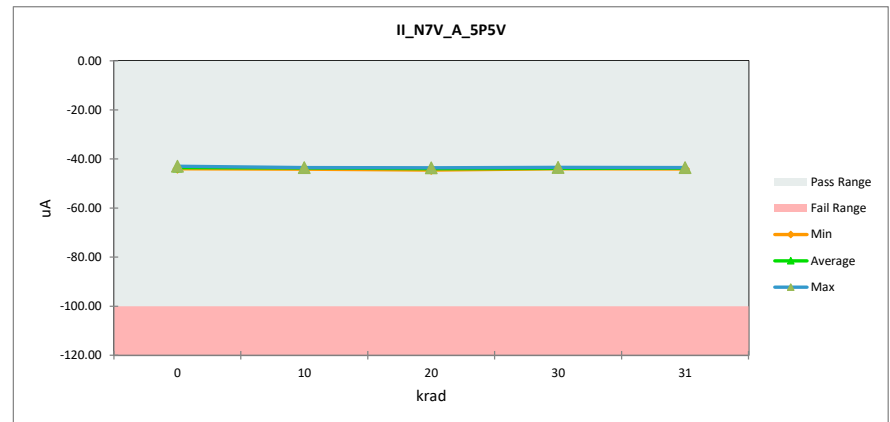
TID Report

THVD9491-SEP

II_N7V_A_5P5V						
Units	uA					
Max Limit	0					
Min Limit	-100					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	-42.780	-42.970	-0.19	0.44%	0.19%
0	2	-44.000	-44.000	0.00	0.00%	0.00%
0	3	-43.750	-43.530	0.22	-0.50%	0.22%
10	4	-43.530	-43.500	0.03	-0.07%	0.03%
10	5	-43.690	-43.560	0.13	-0.30%	0.13%
10	6	-43.910	-43.660	0.25	-0.57%	0.25%
10	7	-43.600	-43.470	0.13	-0.30%	0.13%
10	8	-43.810	-44.190	-0.38	0.87%	0.38%
20	9	-43.560	-43.600	-0.04	0.09%	0.04%
20	10	-43.940	-43.750	0.19	-0.43%	0.19%
20	11	-43.500	-44.030	-0.53	1.22%	0.53%
20	12	-44.310	-44.530	-0.22	0.50%	0.22%
20	13	-43.750	-43.970	-0.22	0.50%	0.22%
30	14	-44.060	-44.000	0.06	-0.14%	0.06%
30	15	-43.750	-43.940	-0.19	0.43%	0.19%
30	16	-43.530	-43.440	0.09	-0.21%	0.09%
30	17	-44.030	-43.880	0.15	-0.34%	0.15%
30	18	-44.310	-44.000	0.31	-0.70%	0.31%
31	19	-44.060	-43.470	0.59	-1.34%	0.59%
31	20	-43.750	-43.810	-0.06	0.14%	0.06%
31	21	-43.530	-43.560	-0.03	0.07%	0.03%
31	22	-44.030	-44.030	0.00	0.00%	0.00%
31	23	-44.310	-44.060	0.25	-0.56%	0.25%
	Max	-42.780	-42.970	-0.19	1.22%	0.59%
	Average	-43.804	-43.780	0.02	-0.05%	0.19%
	Min	-44.310	-44.530	-0.22	-1.34%	0.00%
	Std Dev	0.341	0.330	-0.01	0.56%	0.16%



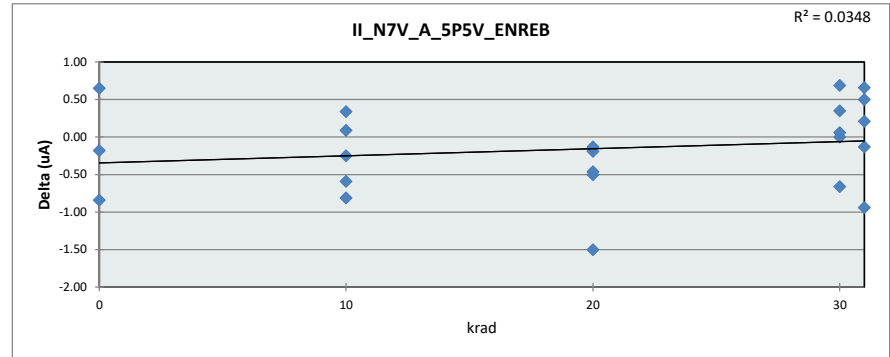
II_N7V_A_5P5V					
Units	uA				
Max Limit	0				
Min Limit	-100				
krad	0	10	20	30	31
LL	-100.000	-100.000	-100.000	-100.000	-100.000
Min	-44.000	-44.190	-44.530	-44.000	-44.060
Average	-43.500	-43.676	-43.976	-43.852	-43.786
Max	-42.970	-43.470	-43.600	-43.440	-43.470
UL	0.000	0.000	0.000	0.000	0.000



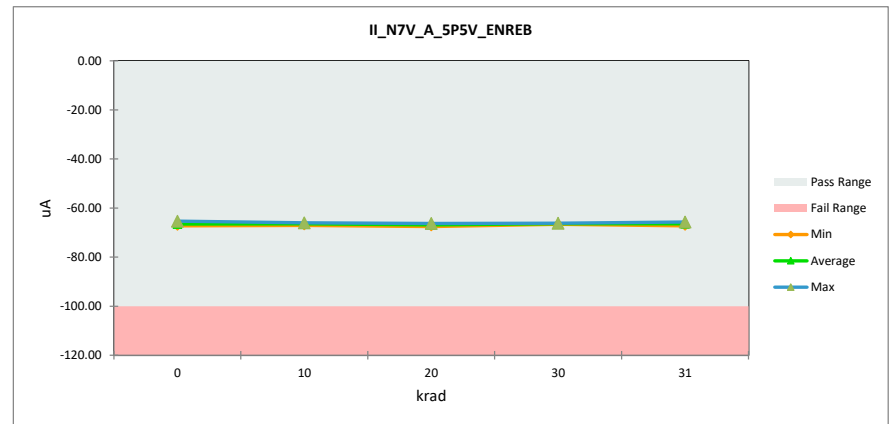
TID Report

THVD9491-SEP

II_N7V_A_5P5V_ENREB						
Units	uA					
Max Limit	0					
Min Limit	-100					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	-65.170	-65.350	-0.18	0.28%	0.18%
0	2	-67.630	-66.980	0.65	-0.96%	0.65%
0	3	-66.450	-67.290	-0.84	1.26%	0.84%
10	4	-66.100	-66.010	0.09	-0.14%	0.09%
10	5	-66.380	-66.630	-0.25	0.38%	0.25%
10	6	-66.380	-66.040	0.34	-0.51%	0.34%
10	7	-65.950	-66.540	-0.59	0.89%	0.59%
10	8	-66.290	-67.100	-0.81	1.22%	0.81%
20	9	-66.100	-66.290	-0.19	0.29%	0.19%
20	10	-66.600	-66.730	-0.13	0.20%	0.13%
20	11	-66.040	-67.540	-1.50	2.27%	1.50%
20	12	-66.130	-66.630	-0.50	0.76%	0.50%
20	13	-66.700	-67.160	-0.46	0.69%	0.46%
30	14	-66.380	-66.380	0.00	0.00%	0.00%
30	15	-67.040	-66.350	0.69	-1.03%	0.69%
30	16	-65.540	-66.200	-0.66	1.01%	0.66%
30	17	-66.320	-66.260	0.06	-0.09%	0.06%
30	18	-66.980	-66.630	0.35	-0.52%	0.35%
31	19	-66.380	-66.170	0.21	-0.32%	0.21%
31	20	-67.040	-66.380	0.66	-0.98%	0.66%
31	21	-65.540	-65.670	-0.13	0.20%	0.13%
31	22	-66.320	-67.260	-0.94	1.42%	0.94%
31	23	-66.980	-66.480	0.50	-0.75%	0.50%
	Max	-65.170	-65.350	-0.18	2.27%	1.50%
	Average	-66.367	-66.525	-0.16	0.24%	0.47%
	Min	-67.630	-67.540	0.09	-1.03%	0.00%
	Std Dev	0.553	0.532	-0.02	0.86%	0.36%



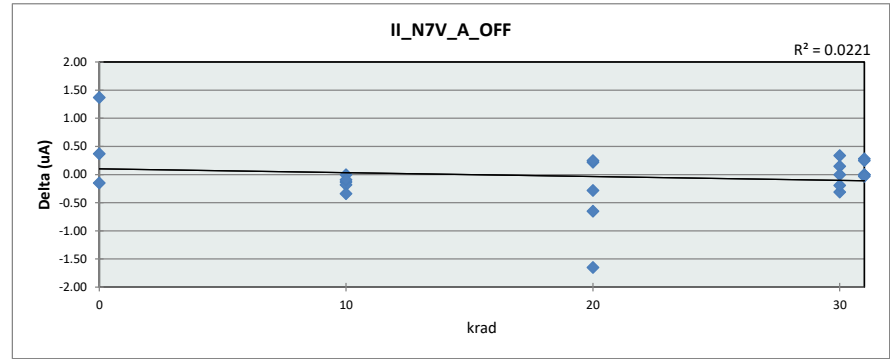
II_N7V_A_5P5V_ENREB					
Units	uA				
Max Limit	0				
Min Limit	-100				
krad	0	10	20	30	31
LL	-100.000	-100.000	-100.000	-100.000	-100.000
Min	-67.290	-67.100	-67.540	-66.630	-67.260
Average	-66.540	-66.464	-66.870	-66.364	-66.392
Max	-65.350	-66.010	-66.290	-66.200	-65.670
UL	0.000	0.000	0.000	0.000	0.000



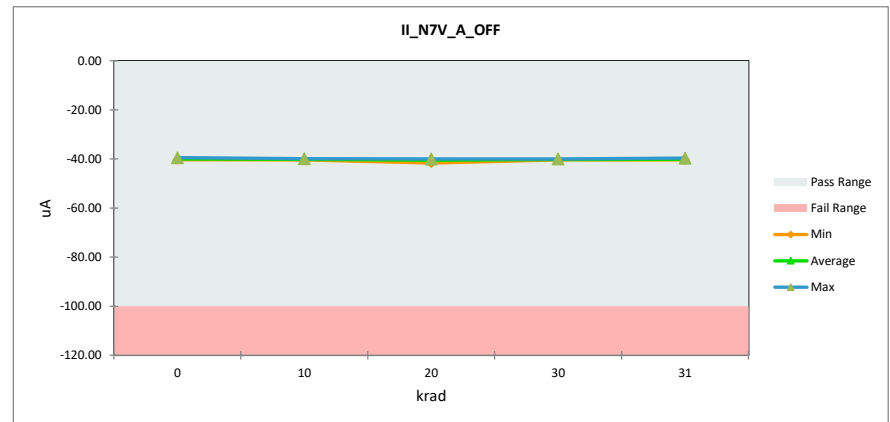
TID Report

THVD9491-SEP

		II_N7V_A_OFF				
Units		uA				
Max Limit		0				
Min Limit		-100				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	-39.290	-39.440	-0.15	0.38%	0.15%
0	2	-41.630	-40.260	1.37	-3.29%	1.37%
0	3	-40.690	-40.320	0.37	-0.91%	0.37%
10	4	-40.190	-40.190	0.00	0.00%	0.00%
10	5	-39.880	-40.010	-0.13	0.33%	0.13%
10	6	-39.980	-40.160	-0.18	0.45%	0.18%
10	7	-39.790	-39.880	-0.09	0.23%	0.09%
10	8	-40.070	-40.410	-0.34	0.85%	0.34%
20	9	-40.160	-39.940	0.22	-0.55%	0.22%
20	10	-40.010	-40.290	-0.28	0.70%	0.28%
20	11	-40.010	-41.660	-1.65	4.12%	1.65%
20	12	-39.760	-40.410	-0.65	1.63%	0.65%
20	13	-40.540	-40.290	0.25	-0.62%	0.25%
30	14	-40.010	-40.320	-0.31	0.77%	0.31%
30	15	-40.160	-40.010	0.15	-0.37%	0.15%
30	16	-39.940	-40.130	-0.19	0.48%	0.19%
30	17	-40.350	-40.350	0.00	0.00%	0.00%
30	18	-40.660	-40.320	0.34	-0.84%	0.34%
31	19	-40.010	-40.010	0.00	0.00%	0.00%
31	20	-40.160	-40.160	0.00	0.00%	0.00%
31	21	-39.940	-39.660	0.28	-0.70%	0.28%
31	22	-40.350	-40.380	-0.03	0.07%	0.03%
31	23	-40.660	-40.410	0.25	-0.61%	0.25%
	Max	-39.290	-39.440	-0.15	4.12%	1.65%
	Average	-40.184	-40.218	-0.03	0.09%	0.31%
	Min	-41.630	-41.660	-0.03	-3.29%	0.00%
	Std Dev	0.453	0.401	-0.05	1.28%	0.41%



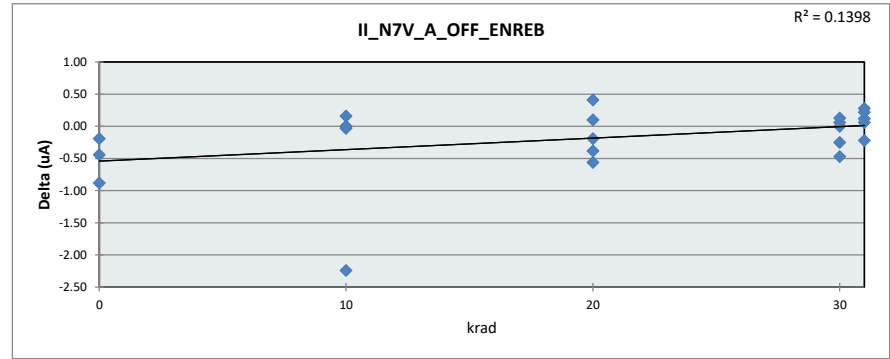
		II_N7V_A_OFF				
Units		uA				
Max Limit		0				
Min Limit		-100				
krad		0	10	20	30	31
LL		-100.000	-100.000	-100.000	-100.000	-100.000
Min		-40.320	-40.410	-41.660	-40.350	-40.410
Average		-40.007	-40.130	-40.518	-40.226	-40.124
Max		-39.440	-39.880	-39.940	-40.010	-39.660
UL		0.000	0.000	0.000	0.000	0.000



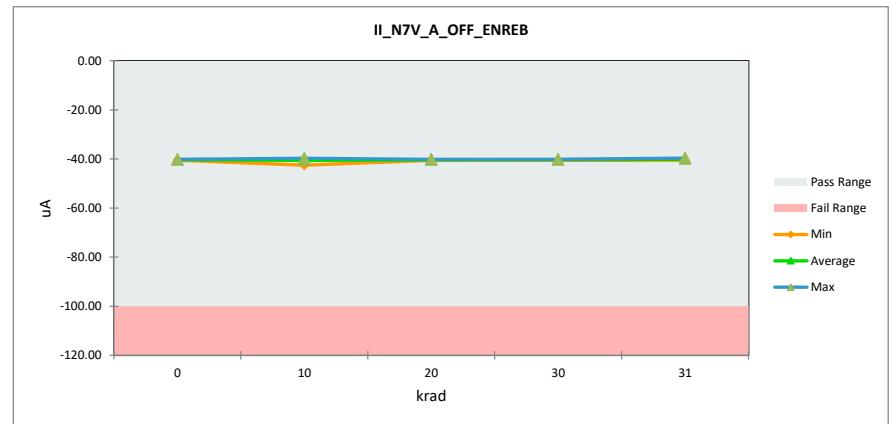
TID Report

THVD9491-SEP

II_N7V_A_OFF_ENREB						
Units	uA					
Max Limit	0					
Min Limit	-100					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	-39.440	-40.320	-0.88	2.23%	0.88%
0	2	-40.070	-40.510	-0.44	1.10%	0.44%
0	3	-39.910	-40.100	-0.19	0.48%	0.19%
10	4	-40.130	-40.160	-0.03	0.07%	0.03%
10	5	-40.290	-42.530	-2.24	5.56%	2.24%
10	6	-40.040	-40.040	0.00	0.00%	0.00%
10	7	-39.850	-39.690	0.16	-0.40%	0.16%
10	8	-40.510	-40.510	0.00	0.00%	0.00%
20	9	-40.260	-40.160	0.10	-0.25%	0.10%
20	10	-40.220	-40.410	-0.19	0.47%	0.19%
20	11	-39.790	-40.350	-0.56	1.41%	0.56%
20	12	-40.160	-40.540	-0.38	0.95%	0.38%
20	13	-40.790	-40.380	0.41	-1.01%	0.41%
30	14	-40.160	-40.160	0.00	0.00%	0.00%
30	15	-40.320	-40.260	0.06	-0.15%	0.06%
30	16	-39.940	-40.410	-0.47	1.18%	0.47%
30	17	-40.260	-40.130	0.13	-0.32%	0.13%
30	18	-40.320	-40.570	-0.25	0.62%	0.25%
31	19	-40.160	-40.040	0.12	-0.30%	0.12%
31	20	-40.320	-40.260	0.06	-0.15%	0.06%
31	21	-39.940	-39.660	0.28	-0.70%	0.28%
31	22	-40.260	-40.040	0.22	-0.55%	0.22%
31	23	-40.320	-40.540	-0.22	0.55%	0.22%
	Max	-39.440	-39.660	-0.22	5.56%	2.24%
	Average	-40.150	-40.338	-0.19	0.47%	0.32%
	Min	-40.790	-42.530	-1.74	-1.01%	0.00%
	Std Dev	0.270	0.538	0.27	1.34%	0.47%



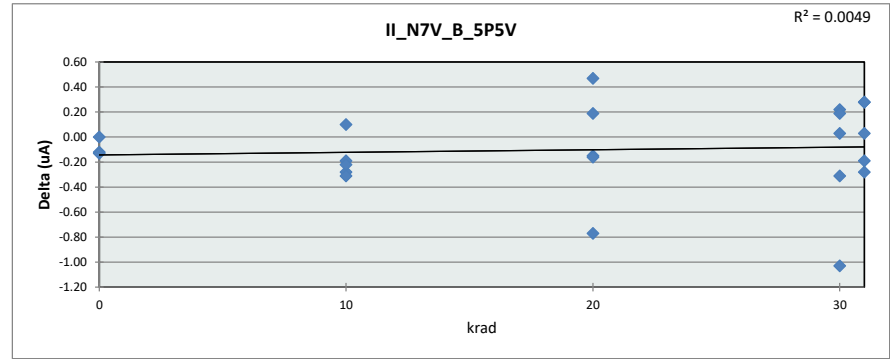
II_N7V_A_OFF_ENREB					
Units	uA				
Max Limit	0				
Min Limit	-100				
krad	0	10	20	30	31
LL	-100.000	-100.000	-100.000	-100.000	-100.000
Min	-40.510	-42.530	-40.540	-40.570	-40.540
Average	-40.310	-40.586	-40.368	-40.306	-40.108
Max	-40.100	-39.690	-40.160	-40.130	-39.660
UL	0.000	0.000	0.000	0.000	0.000



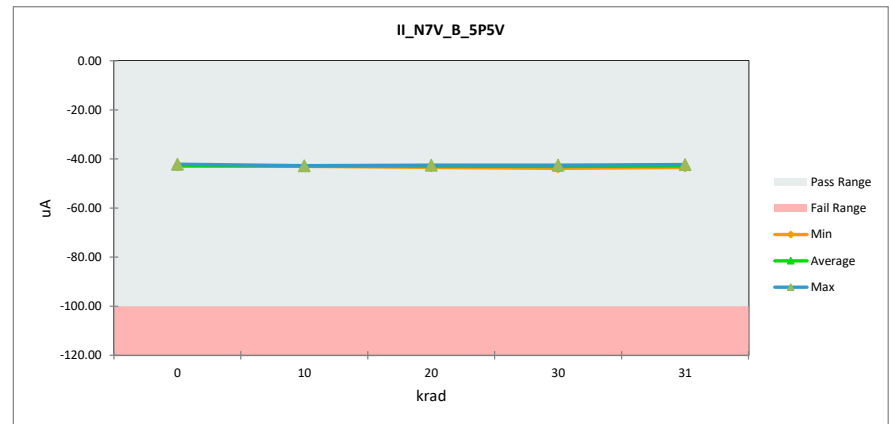
TID Report

THVD9491-SEP

II_N7V_B_5P5V						
Units	uA					
Max Limit	0					
Min Limit	-100					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	-42.140	-42.140	0.00	0.00%	0.00%
0	2	-42.860	-42.980	-0.12	0.28%	0.12%
0	3	-42.730	-42.860	-0.13	0.30%	0.13%
10	4	-42.860	-42.760	0.10	-0.23%	0.10%
10	5	-42.790	-42.980	-0.19	0.44%	0.19%
10	6	-42.540	-42.820	-0.28	0.66%	0.28%
10	7	-42.510	-42.730	-0.22	0.52%	0.22%
10	8	-42.730	-43.040	-0.31	0.73%	0.31%
20	9	-42.950	-42.760	0.19	-0.44%	0.19%
20	10	-43.110	-42.640	0.47	-1.09%	0.47%
20	11	-42.390	-42.540	-0.15	0.35%	0.15%
20	12	-42.580	-43.350	-0.77	1.81%	0.77%
20	13	-43.290	-43.450	-0.16	0.37%	0.16%
30	14	-42.790	-43.820	-1.03	2.41%	1.03%
30	15	-42.980	-42.760	0.22	-0.51%	0.22%
30	16	-42.540	-42.510	0.03	-0.07%	0.03%
30	17	-43.010	-42.820	0.19	-0.44%	0.19%
30	18	-43.110	-43.420	-0.31	0.72%	0.31%
31	19	-42.790	-42.760	0.03	-0.07%	0.03%
31	20	-42.980	-43.170	-0.19	0.44%	0.19%
31	21	-42.540	-42.260	0.28	-0.66%	0.28%
31	22	-43.010	-42.730	0.28	-0.65%	0.28%
31	23	-43.110	-43.390	-0.28	0.65%	0.28%
	Max	-42.140	-42.140	0.00	2.41%	1.03%
	Average	-42.797	-42.900	-0.10	0.24%	0.26%
	Min	-43.290	-43.820	-0.53	-1.09%	0.00%
	Std Dev	0.275	0.396	0.12	0.78%	0.23%



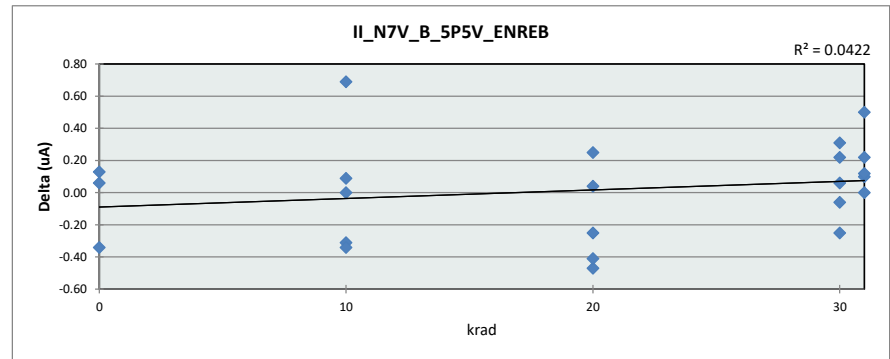
II_N7V_B_5P5V					
Units	uA				
Max Limit	0				
Min Limit	-100				
krad	0	10	20	30	31
LL	-100.000	-100.000	-100.000	-100.000	-100.000
Min	-42.980	-43.040	-43.450	-43.820	-43.390
Average	-42.660	-42.866	-42.948	-43.066	-42.862
Max	-42.140	-42.730	-42.540	-42.510	-42.260
UL	0.000	0.000	0.000	0.000	0.000



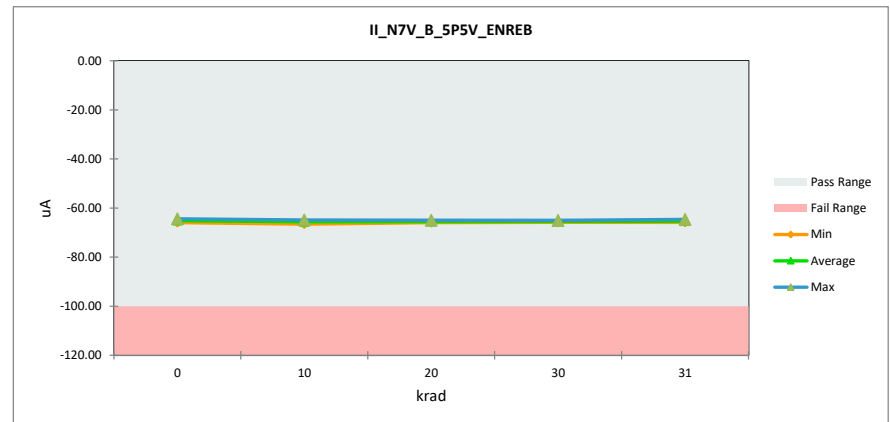
TID Report

THVD9491-SEP

II_N7V_B_5P5V_ENREB						
Units	uA					
Max Limit	0					
Min Limit	-100					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	-64.050	-64.390	-0.34	0.53%	0.34%
0	2	-65.980	-65.920	0.06	-0.09%	0.06%
0	3	-65.200	-65.070	0.13	-0.20%	0.13%
10	4	-65.320	-65.320	0.00	0.00%	0.00%
10	5	-66.260	-66.570	-0.31	0.47%	0.31%
10	6	-64.980	-64.890	0.09	-0.14%	0.09%
10	7	-64.890	-65.230	-0.34	0.52%	0.34%
10	8	-66.730	-66.040	0.69	-1.03%	0.69%
20	9	-65.230	-64.980	0.25	-0.38%	0.25%
20	10	-65.640	-65.600	0.04	-0.06%	0.04%
20	11	-64.980	-65.450	-0.47	0.72%	0.47%
20	12	-65.320	-65.730	-0.41	0.63%	0.41%
20	13	-65.670	-65.920	-0.25	0.38%	0.25%
30	14	-65.420	-65.200	0.22	-0.34%	0.22%
30	15	-65.980	-65.670	0.31	-0.47%	0.31%
30	16	-64.760	-65.010	-0.25	0.39%	0.25%
30	17	-65.670	-65.730	-0.06	0.09%	0.06%
30	18	-65.880	-65.820	0.06	-0.09%	0.06%
31	19	-65.420	-65.320	0.10	-0.15%	0.10%
31	20	-65.980	-65.480	0.50	-0.76%	0.50%
31	21	-64.760	-64.640	0.12	-0.19%	0.12%
31	22	-65.670	-65.450	0.22	-0.34%	0.22%
31	23	-65.880	-65.880	0.00	0.00%	0.00%
	Max	-64.050	-64.390	-0.34	0.72%	0.69%
	Average	-65.464	-65.448	0.02	-0.02%	0.23%
	Min	-66.730	-66.570	0.16	-1.03%	0.00%
	Std Dev	0.584	0.495	-0.09	0.45%	0.18%

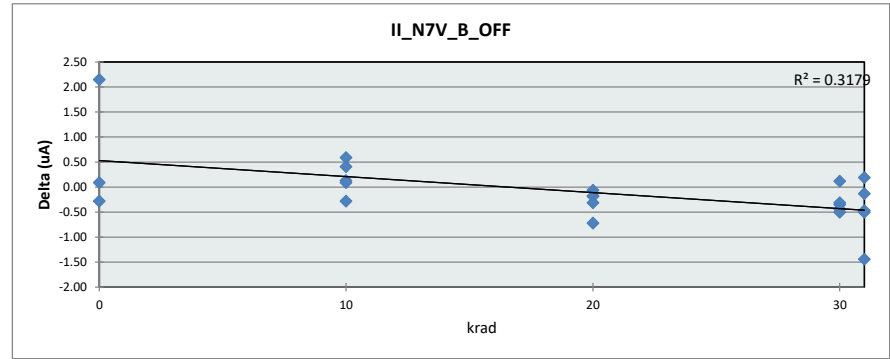


II_N7V_B_5P5V_ENREB					
Units	uA				
Max Limit	0				
Min Limit	-100				
krad	0	10	20	30	31
LL	-100.000	-100.000	-100.000	-100.000	-100.000
Min	-65.920	-66.570	-65.920	-65.820	-65.880
Average	-65.127	-65.610	-65.536	-65.486	-65.354
Max	-64.390	-64.890	-64.980	-65.010	-64.640
UL	0.000	0.000	0.000	0.000	0.000

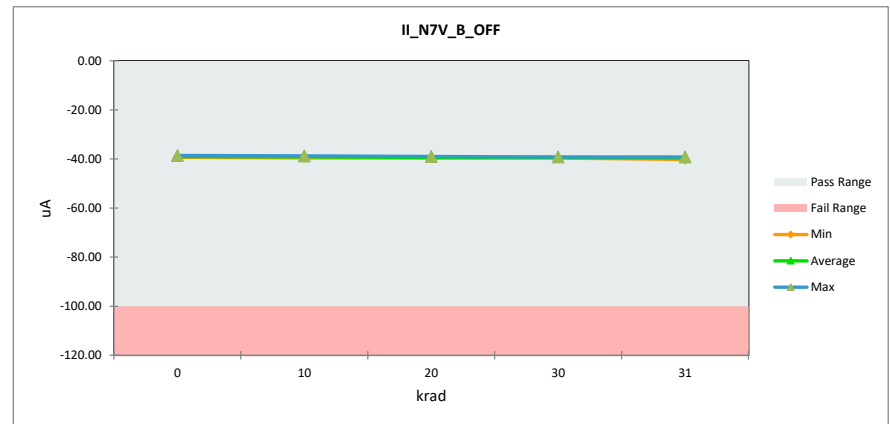


TID Report THVD9491-SEP

		II_N7V_B_OFF				
Units		uA				
Max Limit		0				
Min Limit		-100				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	-40.710	-38.560	2.15	-5.28%	2.15%
0	2	-39.270	-39.180	0.09	-0.23%	0.09%
0	3	-39.050	-39.330	-0.28	0.72%	0.28%
10	4	-39.370	-39.240	0.13	-0.33%	0.13%
10	5	-39.740	-39.150	0.59	-1.48%	0.59%
10	6	-39.050	-38.960	0.09	-0.23%	0.09%
10	7	-39.150	-38.740	0.41	-1.05%	0.41%
10	8	-39.270	-39.550	-0.28	0.71%	0.28%
20	9	-39.090	-39.150	-0.06	0.15%	0.06%
20	10	-39.090	-39.270	-0.18	0.46%	0.18%
20	11	-38.840	-39.020	-0.18	0.46%	0.18%
20	12	-38.960	-39.680	-0.72	1.85%	0.72%
20	13	-39.370	-39.680	-0.31	0.79%	0.31%
30	14	-39.050	-39.400	-0.35	0.90%	0.35%
30	15	-39.120	-39.430	-0.31	0.79%	0.31%
30	16	-38.740	-39.180	-0.44	1.14%	0.44%
30	17	-38.900	-39.400	-0.50	1.29%	0.50%
30	18	-39.740	-39.620	0.12	-0.30%	0.12%
31	19	-39.050	-39.180	-0.13	0.33%	0.13%
31	20	-39.120	-39.620	-0.50	1.28%	0.50%
31	21	-38.740	-40.180	-1.44	3.72%	1.44%
31	22	-38.900	-39.370	-0.47	1.21%	0.47%
31	23	-39.740	-39.550	0.19	-0.48%	0.19%
	Max	-38.740	-38.560	0.18	3.72%	2.15%
	Average	-39.220	-39.323	-0.10	0.28%	0.43%
	Min	-40.710	-40.180	0.53	-5.28%	0.06%
	Std Dev	0.433	0.342	-0.09	1.61%	0.48%



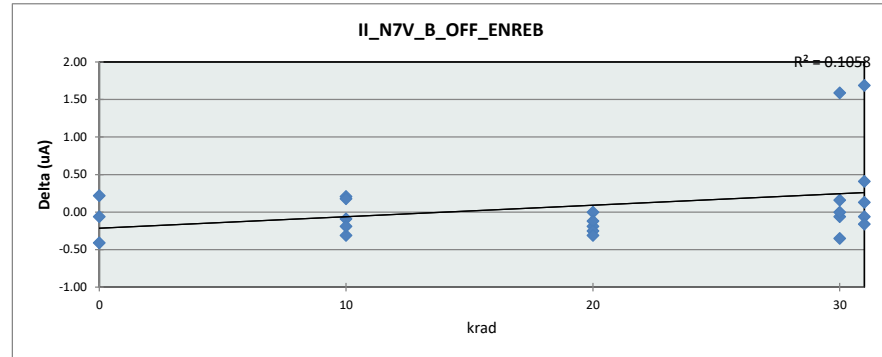
		II_N7V_B_OFF				
Units		uA				
Max Limit		0				
Min Limit		-100				
krad		0	10	20	30	31
LL		-100.000	-100.000	-100.000	-100.000	-100.000
Min		-39.330	-39.550	-39.680	-39.620	-40.180
Average		-39.023	-39.128	-39.360	-39.406	-39.580
Max		-38.560	-38.740	-39.020	-39.180	-39.180
UL		0.000	0.000	0.000	0.000	0.000



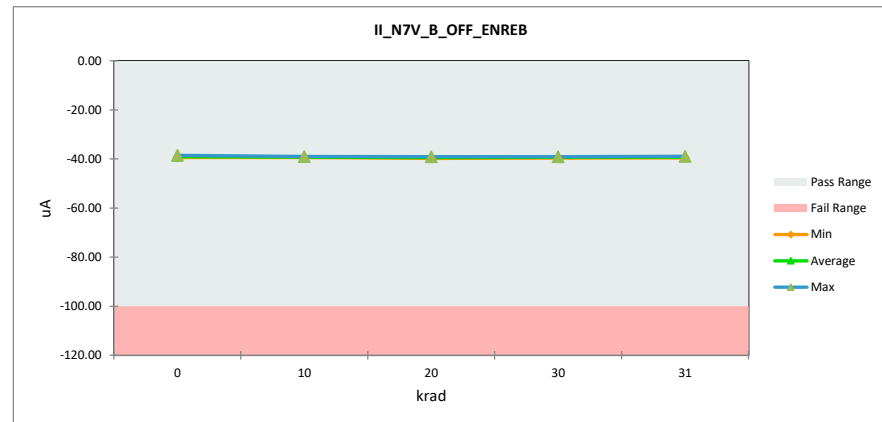
TID Report

THVD9491-SEP

II_N7V_B_OFF_ENREB						
Units	uA					
Max Limit	0					
Min Limit	-100					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	-38.460	-38.520	-0.06	0.16%	0.06%
0	2	-39.430	-39.210	0.22	-0.56%	0.22%
0	3	-39.020	-39.430	-0.41	1.05%	0.41%
10	4	-39.330	-39.120	0.21	-0.53%	0.21%
10	5	-39.580	-39.400	0.18	-0.45%	0.18%
10	6	-38.900	-39.210	-0.31	0.80%	0.31%
10	7	-38.870	-38.960	-0.09	0.23%	0.09%
10	8	-39.180	-39.370	-0.19	0.48%	0.19%
20	9	-39.210	-39.400	-0.19	0.48%	0.19%
20	10	-39.400	-39.400	0.00	0.00%	0.00%
20	11	-38.930	-39.050	-0.12	0.31%	0.12%
20	12	-39.370	-39.620	-0.25	0.64%	0.25%
20	13	-39.460	-39.770	-0.31	0.79%	0.31%
30	14	-39.180	-39.240	-0.06	0.15%	0.06%
30	15	-39.370	-39.370	0.00	0.00%	0.00%
30	16	-38.740	-39.090	-0.35	0.90%	0.35%
30	17	-39.430	-39.270	0.16	-0.41%	0.16%
30	18	-41.270	-39.680	1.59	-3.85%	1.59%
31	19	-39.180	-39.050	0.13	-0.33%	0.13%
31	20	-39.370	-39.430	-0.06	0.15%	0.06%
31	21	-38.740	-38.900	-0.16	0.41%	0.16%
31	22	-39.430	-39.020	0.41	-1.04%	0.41%
31	23	-41.270	-39.580	1.69	-4.09%	1.69%
	Max	-38.460	-38.520	-0.06	1.05%	1.69%
	Average	-39.353	-39.265	0.09	-0.21%	0.31%
	Min	-41.270	-39.770	1.50	-4.09%	0.00%
	Std Dev	0.668	0.284	-0.38	1.30%	0.44%



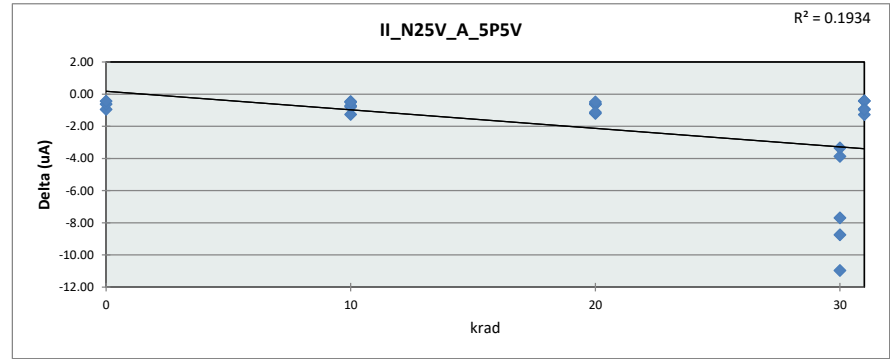
II_N7V_B_OFF_ENREB					
Units	uA				
Max Limit	0				
Min Limit	-100				
krad	0	10	20	30	31
LL	-100.000	-100.000	-100.000	-100.000	-100.000
Min	-39.430	-39.400	-39.770	-39.680	-39.580
Average	-39.053	-39.212	-39.448	-39.330	-39.196
Max	-38.520	-38.960	-39.050	-39.090	-38.900
UL	0.000	0.000	0.000	0.000	0.000



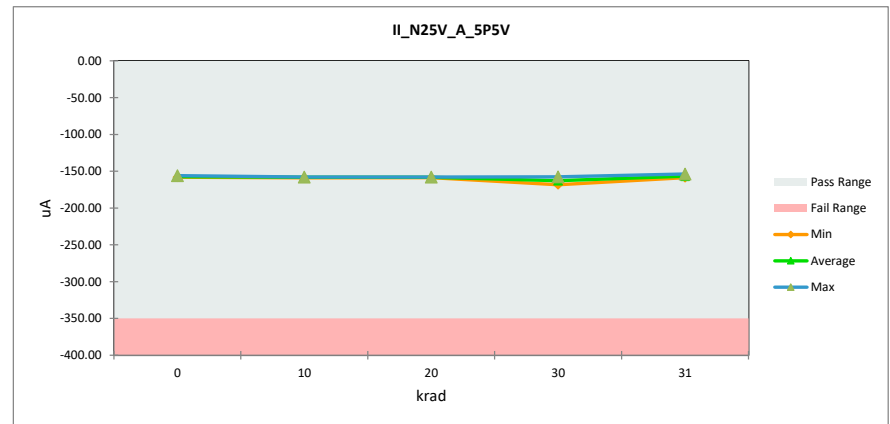
TID Report

THVD9491-SEP

II_N25V_A_5P5V						
Units		uA				
Max Limit		0				
Min Limit		-350				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	-155.100	-156.049	-0.95	0.61%	0.27%
0	2	-157.500	-158.122	-0.62	0.39%	0.18%
0	3	-157.300	-157.734	-0.43	0.28%	0.12%
10	4	-157.400	-158.187	-0.79	0.50%	0.22%
10	5	-157.400	-157.850	-0.45	0.29%	0.13%
10	6	-157.300	-158.024	-0.72	0.46%	0.21%
10	7	-157.700	-158.198	-0.50	0.32%	0.14%
10	8	-157.600	-158.862	-1.26	0.80%	0.36%
20	9	-157.400	-158.598	-1.20	0.76%	0.34%
20	10	-157.200	-157.834	-0.63	0.40%	0.18%
20	11	-157.400	-157.989	-0.59	0.37%	0.17%
20	12	-157.400	-157.880	-0.48	0.31%	0.14%
20	13	-157.600	-158.717	-1.12	0.71%	0.32%
30	14	-157.500	-161.367	-3.87	2.46%	1.10%
30	15	-157.600	-165.294	-7.69	4.88%	2.20%
30	16	-154.300	-157.644	-3.34	2.17%	0.96%
30	17	-157.400	-168.361	-10.96	6.96%	3.13%
30	18	-152.800	-161.540	-8.74	5.72%	2.50%
31	19	-157.500	-158.768	-1.27	0.80%	0.36%
31	20	-157.600	-158.014	-0.41	0.26%	0.12%
31	21	-154.300	-155.223	-0.92	0.60%	0.26%
31	22	-157.400	-157.820	-0.42	0.27%	0.12%
31	23	-152.800	-153.750	-0.95	0.62%	0.27%
	Max	-152.800	-153.750	-0.95	6.96%	3.13%
	Average	-156.674	-158.775	-2.10	1.35%	0.60%
	Min	-157.700	-168.361	-10.66	0.26%	0.12%
	Std Dev	1.582	3.036	1.45	1.90%	0.84%



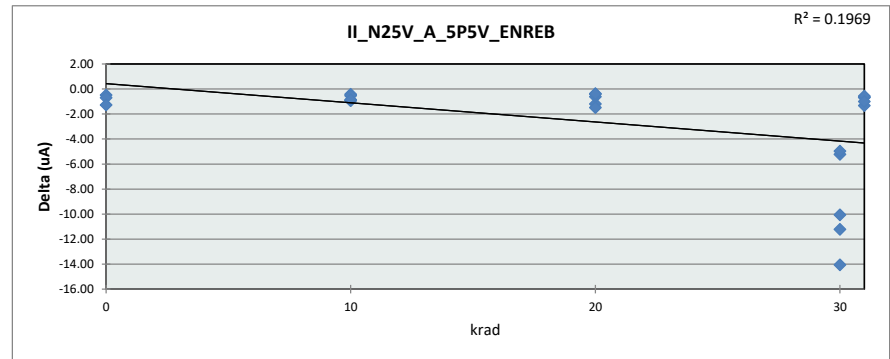
II_N25V_A_5P5V					
Units		uA			
Max Limit		0			
Min Limit		-350			
krad	0	10	20	30	31
LL	-350.000	-350.000	-350.000	-350.000	-350.000
Min	-158.122	-158.862	-158.717	-168.361	-158.768
Average	-157.302	-158.224	-158.203	-162.841	-156.715
Max	-156.049	-157.850	-157.834	-157.644	-153.750
UL	0.000	0.000	0.000	0.000	0.000



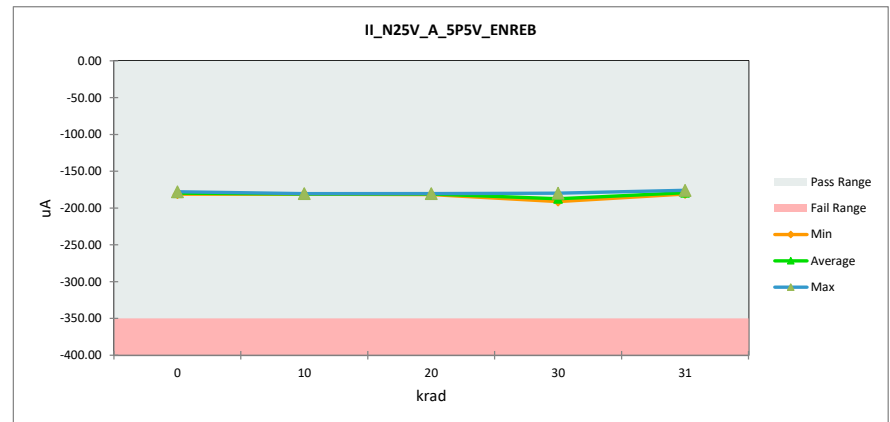
TID Report

THVD9491-SEP

II_N25V_A_5P5V_ENREB						
Units		uA				
Max Limit		0				
Min Limit		-350				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	-177.500	-177.972	-0.47	0.27%	0.13%
0	2	-180.000	-180.684	-0.68	0.38%	0.20%
0	3	-179.900	-181.165	-1.26	0.70%	0.36%
10	4	-180.000	-180.913	-0.91	0.51%	0.26%
10	5	-180.000	-180.418	-0.42	0.23%	0.12%
10	6	-180.000	-180.913	-0.91	0.51%	0.26%
10	7	-180.400	-180.932	-0.53	0.30%	0.15%
10	8	-180.300	-181.153	-0.85	0.47%	0.24%
20	9	-180.200	-181.393	-1.19	0.66%	0.34%
20	10	-179.900	-180.512	-0.61	0.34%	0.17%
20	11	-180.100	-180.503	-0.40	0.22%	0.12%
20	12	-180.000	-180.364	-0.36	0.20%	0.10%
20	13	-180.200	-181.678	-1.48	0.82%	0.42%
30	14	-180.200	-190.253	-10.05	5.58%	2.87%
30	15	-180.300	-185.520	-5.22	2.90%	1.49%
30	16	-176.300	-190.353	-14.05	7.97%	4.02%
30	17	-180.000	-191.219	-11.22	6.23%	3.21%
30	18	-174.900	-179.853	-4.95	2.83%	1.42%
31	19	-180.200	-180.840	-0.64	0.35%	0.18%
31	20	-180.300	-180.969	-0.67	0.37%	0.19%
31	21	-176.300	-177.624	-1.32	0.75%	0.38%
31	22	-180.000	-180.567	-0.57	0.32%	0.16%
31	23	-174.900	-175.897	-1.00	0.57%	0.28%
	Max	-174.900	-175.897	-1.00	7.97%	4.02%
	Average	-179.213	-181.813	-2.60	1.46%	0.74%
	Min	-180.400	-191.219	-10.82	0.20%	0.10%
	Std Dev	1.809	3.890	2.08	2.19%	1.11%

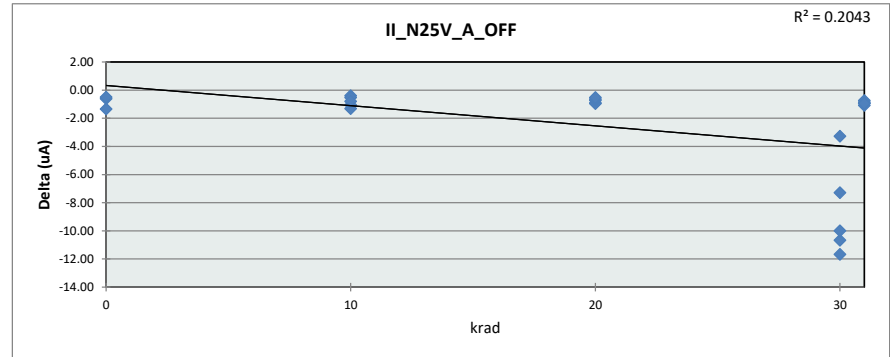


II_N25V_A_5P5V_ENREB					
Units		uA			
Max Limit		0			
Min Limit		-350			
krad	0	10	20	30	31
LL	-350.000	-350.000	-350.000	-350.000	-350.000
Min	-181.165	-181.153	-181.678	-191.219	-180.969
Average	-179.940	-180.866	-180.890	-187.440	-179.179
Max	-177.972	-180.418	-180.364	-179.853	-175.897
UL	0.000	0.000	0.000	0.000	0.000

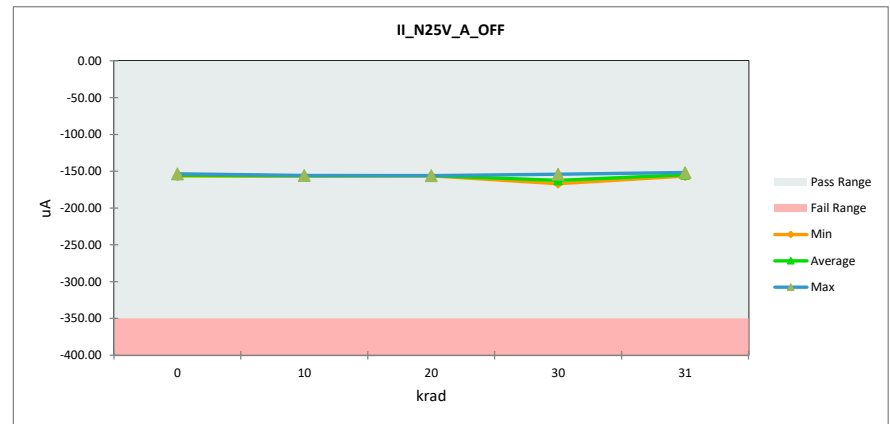


TID Report THVD9491-SEP

		II_N25V_A_OFF				
Units		uA				
Max Limit		0				
Min Limit		-350				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	-153.000	-153.610	-0.61	0.40%	0.17%
0	2	-155.300	-156.637	-1.34	0.86%	0.38%
0	3	-155.200	-155.684	-0.48	0.31%	0.14%
10	4	-155.300	-156.350	-1.05	0.68%	0.30%
10	5	-155.400	-155.789	-0.39	0.25%	0.11%
10	6	-155.300	-156.603	-1.30	0.84%	0.37%
10	7	-155.600	-156.120	-0.52	0.33%	0.15%
10	8	-155.500	-156.296	-0.80	0.51%	0.23%
20	9	-155.300	-156.252	-0.95	0.61%	0.27%
20	10	-155.100	-156.009	-0.91	0.59%	0.26%
20	11	-155.300	-156.025	-0.73	0.47%	0.21%
20	12	-155.300	-155.932	-0.63	0.41%	0.18%
20	13	-155.500	-156.021	-0.52	0.34%	0.15%
30	14	-155.500	-166.161	-10.66	6.86%	3.05%
30	15	-155.500	-162.787	-7.29	4.69%	2.08%
30	16	-152.200	-162.189	-9.99	6.56%	2.85%
30	17	-155.300	-166.963	-11.66	7.51%	3.33%
30	18	-150.800	-154.074	-3.27	2.17%	0.94%
31	19	-155.500	-156.354	-0.85	0.55%	0.24%
31	20	-155.500	-156.575	-1.07	0.69%	0.31%
31	21	-152.200	-152.937	-0.74	0.48%	0.21%
31	22	-155.300	-156.235	-0.93	0.60%	0.27%
31	23	-150.800	-151.741	-0.94	0.62%	0.27%
	Max	-150.800	-151.741	-0.94	7.51%	3.33%
	Average	-154.596	-157.102	-2.51	1.62%	0.72%
	Min	-155.600	-166.963	-11.36	0.25%	0.11%
	Std Dev	1.567	3.805	2.24	2.32%	1.02%

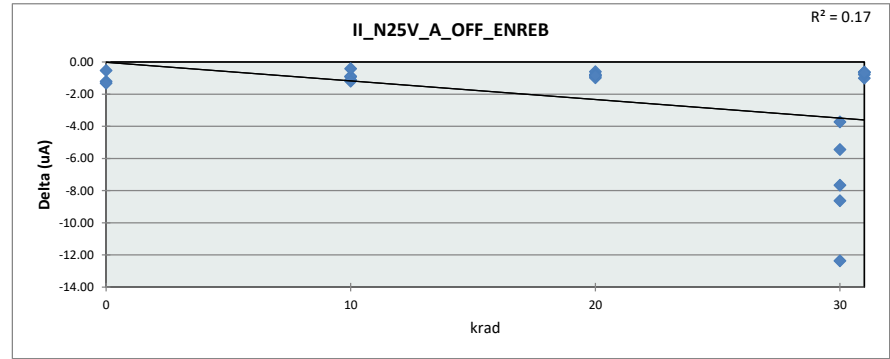


		II_N25V_A_OFF				
Units		uA				
Max Limit		0				
Min Limit		-350				
krad		0	10	20	30	31
LL		-350.000	-350.000	-350.000	-350.000	-350.000
Min		-156.637	-156.603	-156.252	-166.963	-156.575
Average		-155.311	-156.231	-156.048	-162.435	-154.768
Max		-153.610	-155.789	-155.932	-154.074	-151.741
UL		0.000	0.000	0.000	0.000	0.000

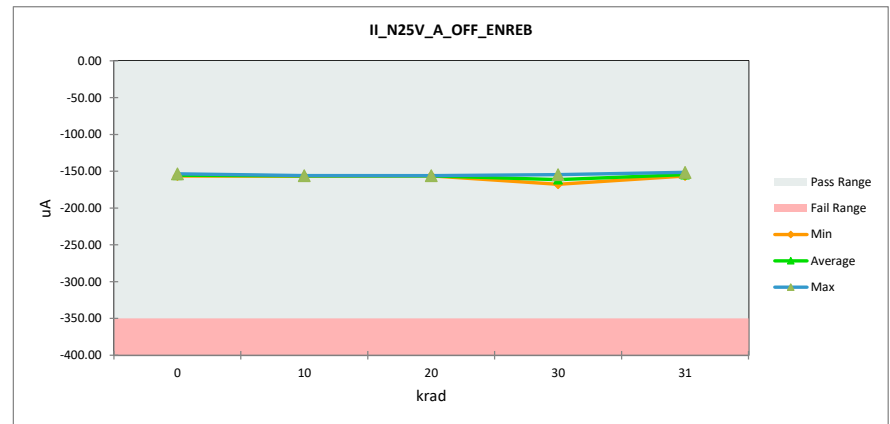


TID Report THVD9491-SEP

II_N25V_A_OFF_ENREB						
Units	uA					
Max Limit	0					
Min Limit	-350					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	-153.000	-153.519	-0.52	0.34%	0.15%
0	2	-155.400	-156.597	-1.20	0.77%	0.34%
0	3	-155.200	-156.516	-1.32	0.85%	0.38%
10	4	-155.300	-156.210	-0.91	0.59%	0.26%
10	5	-155.400	-156.513	-1.11	0.72%	0.32%
10	6	-155.300	-156.182	-0.88	0.57%	0.25%
10	7	-155.600	-156.793	-1.19	0.77%	0.34%
10	8	-155.500	-155.907	-0.41	0.26%	0.12%
20	9	-155.300	-155.901	-0.60	0.39%	0.17%
20	10	-155.200	-156.061	-0.86	0.55%	0.25%
20	11	-155.300	-156.272	-0.97	0.63%	0.28%
20	12	-155.300	-156.070	-0.77	0.50%	0.22%
20	13	-155.500	-156.341	-0.84	0.54%	0.24%
30	14	-155.400	-167.754	-12.35	7.95%	3.53%
30	15	-155.500	-164.129	-8.63	5.55%	2.47%
30	16	-152.200	-157.637	-5.44	3.57%	1.55%
30	17	-155.400	-163.058	-7.66	4.93%	2.19%
30	18	-150.800	-154.520	-3.72	2.47%	1.06%
31	19	-155.400	-156.025	-0.62	0.40%	0.18%
31	20	-155.500	-156.495	-1.00	0.64%	0.28%
31	21	-152.200	-152.821	-0.62	0.41%	0.18%
31	22	-155.400	-156.175	-0.78	0.50%	0.22%
31	23	-150.800	-151.465	-0.67	0.44%	0.19%
	Max	-150.800	-151.465	-0.67	7.95%	3.53%
	Average	-154.604	-156.911	-2.31	1.49%	0.66%
	Min	-155.600	-167.754	-12.15	0.26%	0.12%
	Std Dev	1.570	3.559	1.99	2.04%	0.91%



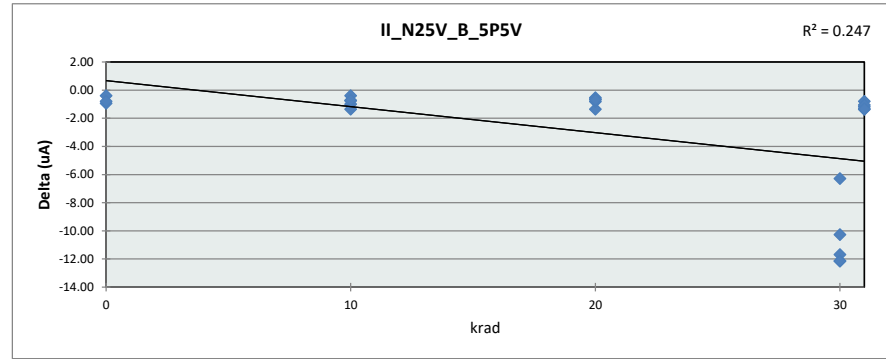
II_N25V_A_OFF_ENREB					
Units	uA				
Max Limit	0				
Min Limit	-350				
krad	0	10	20	30	31
LL	-350.000	-350.000	-350.000	-350.000	-350.000
Min	-156.597	-156.793	-156.341	-167.754	-156.495
Average	-155.544	-156.321	-156.129	-161.420	-154.596
Max	-153.519	-155.907	-155.901	-154.520	-151.465
UL	0.000	0.000	0.000	0.000	0.000



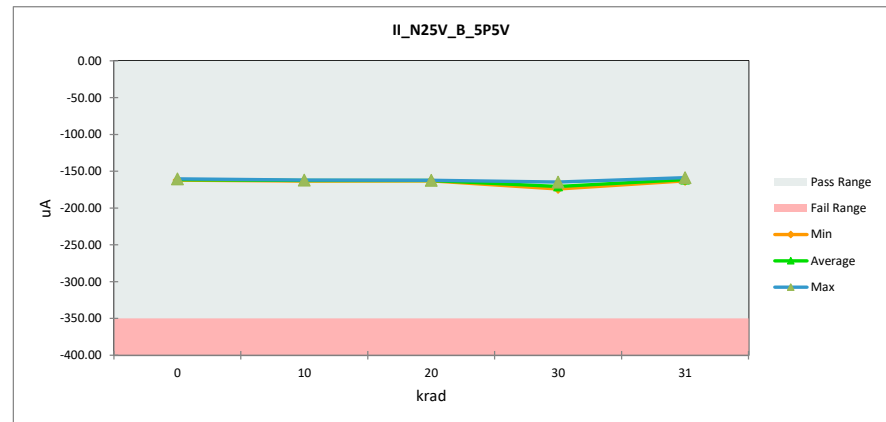
TID Report

THVD9491-SEP

II_N25V_B_5P5V						
Units	uA					
Max Limit	0					
Min Limit	-350					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	-159.400	-160.340	-0.94	0.59%	0.27%
0	2	-161.700	-162.086	-0.39	0.24%	0.11%
0	3	-161.300	-162.094	-0.79	0.49%	0.23%
10	4	-161.600	-162.591	-0.99	0.61%	0.28%
10	5	-161.700	-162.088	-0.39	0.24%	0.11%
10	6	-161.700	-162.454	-0.75	0.47%	0.22%
10	7	-161.900	-163.257	-1.36	0.84%	0.39%
10	8	-161.700	-162.424	-0.72	0.45%	0.21%
20	9	-161.800	-162.428	-0.63	0.39%	0.18%
20	10	-161.700	-162.230	-0.53	0.33%	0.15%
20	11	-161.700	-163.057	-1.36	0.84%	0.39%
20	12	-161.500	-162.303	-0.80	0.50%	0.23%
20	13	-162.200	-162.873	-0.67	0.42%	0.19%
30	14	-162.000	-174.137	-12.14	7.49%	3.47%
30	15	-161.700	-173.373	-11.67	7.22%	3.34%
30	16	-158.400	-164.684	-6.28	3.97%	1.80%
30	17	-161.600	-171.863	-10.26	6.35%	2.93%
30	18	-157.400	-169.539	-12.14	7.71%	3.47%
31	19	-162.000	-162.789	-0.79	0.49%	0.23%
31	20	-161.700	-163.071	-1.37	0.85%	0.39%
31	21	-158.400	-159.582	-1.18	0.75%	0.34%
31	22	-161.600	-162.646	-1.05	0.65%	0.30%
31	23	-157.400	-158.725	-1.33	0.84%	0.38%
	Max	-157.400	-158.725	-1.33	7.71%	3.47%
	Average	-160.961	-163.941	-2.98	1.86%	0.85%
	Min	-162.200	-174.137	-11.94	0.24%	0.11%
	Std Dev	1.540	4.142	2.60	2.62%	1.20%



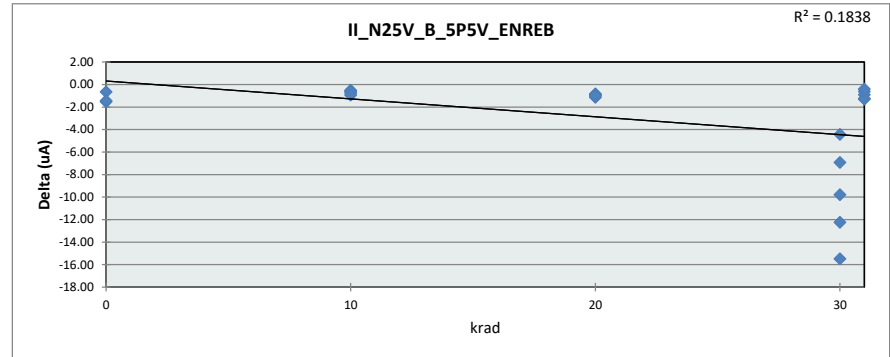
II_N25V_B_5P5V					
Units	uA				
Max Limit	0				
Min Limit	-350				
krad	0	10	20	30	31
LL	-350.000	-350.000	-350.000	-350.000	-350.000
Min	-162.094	-163.257	-163.057	-174.137	-163.071
Average	-161.507	-162.563	-162.578	-170.719	-161.363
Max	-160.340	-162.088	-162.230	-164.684	-158.725
UL	0.000	0.000	0.000	0.000	0.000



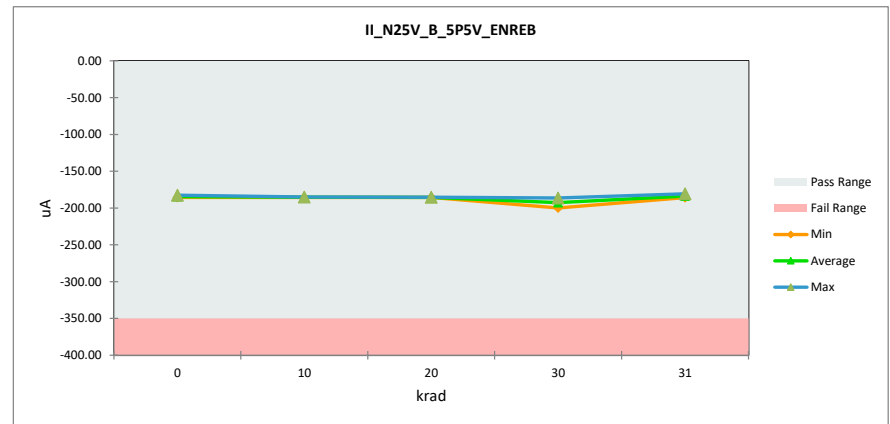
TID Report

THVD9491-SEP

II_N25V_B_5P5V_ENREB						
Units	uA					
Max Limit	0					
Min Limit	-350					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	-181.800	-182.454	-0.65	0.36%	0.19%
0	2	-184.100	-185.617	-1.52	0.82%	0.43%
0	3	-184.200	-185.637	-1.44	0.78%	0.41%
10	4	-184.600	-185.113	-0.51	0.28%	0.15%
10	5	-184.400	-184.997	-0.60	0.32%	0.17%
10	6	-184.800	-185.561	-0.76	0.41%	0.22%
10	7	-184.800	-185.425	-0.62	0.34%	0.18%
10	8	-184.700	-185.625	-0.93	0.50%	0.26%
20	9	-184.800	-185.621	-0.82	0.44%	0.23%
20	10	-184.200	-185.337	-1.14	0.62%	0.32%
20	11	-184.600	-185.482	-0.88	0.48%	0.25%
20	12	-184.300	-185.312	-1.01	0.55%	0.29%
20	13	-184.700	-185.666	-0.97	0.52%	0.28%
30	14	-184.600	-189.027	-4.43	2.40%	1.26%
30	15	-185.000	-194.781	-9.78	5.29%	2.79%
30	16	-181.000	-193.227	-12.23	6.76%	3.49%
30	17	-184.400	-199.880	-15.48	8.40%	4.42%
30	18	-179.400	-186.319	-6.92	3.86%	1.98%
31	19	-184.600	-185.839	-1.24	0.67%	0.35%
31	20	-185.000	-185.620	-0.62	0.33%	0.18%
31	21	-181.000	-181.898	-0.90	0.50%	0.26%
31	22	-184.400	-184.800	-0.40	0.22%	0.11%
31	23	-179.400	-180.697	-1.30	0.72%	0.37%
	Max	-179.400	-180.697	-1.30	8.40%	4.42%
	Average	-183.687	-186.519	-2.83	1.55%	0.81%
	Min	-185.000	-199.880	-14.88	0.22%	0.11%
	Std Dev	1.783	4.202	2.42	2.28%	1.19%



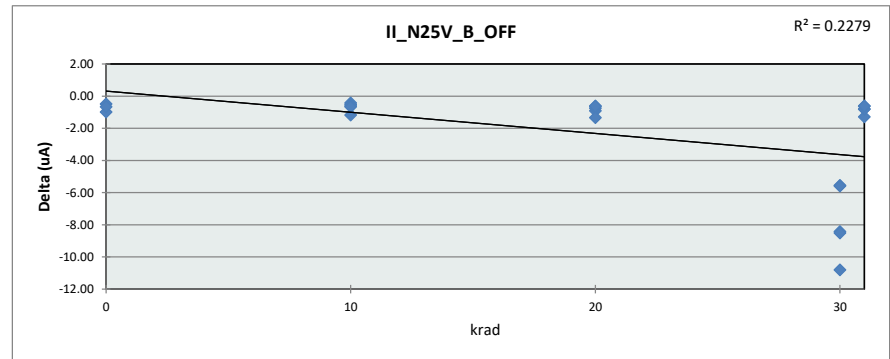
II_N25V_B_5P5V_ENREB					
Units	uA				
Max Limit	0				
Min Limit	-350				
krad	0	10	20	30	31
LL	-350.000	-350.000	-350.000	-350.000	-350.000
Min	-185.637	-185.625	-185.666	-199.880	-185.839
Average	-184.569	-185.344	-185.483	-192.647	-183.771
Max	-182.454	-184.997	-185.312	-186.319	-180.697
UL	0.000	0.000	0.000	0.000	0.000



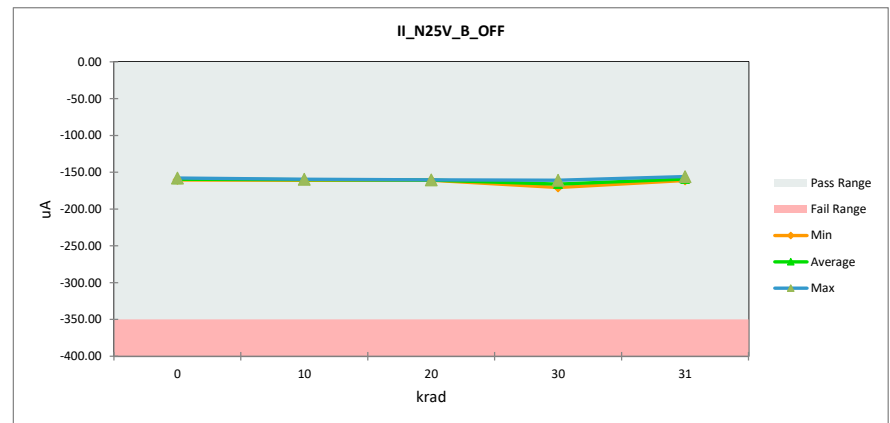
TID Report

THVD9491-SEP

		II_N25V_B_OFF				
Units		uA				
Max Limit		0				
Min Limit		-350				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	-157.500	-157.974	-0.47	0.30%	0.14%
0	2	-159.500	-160.484	-0.98	0.62%	0.28%
0	3	-159.800	-160.454	-0.65	0.41%	0.19%
10	4	-159.600	-160.771	-1.17	0.73%	0.33%
10	5	-159.700	-160.112	-0.41	0.26%	0.12%
10	6	-159.400	-159.923	-0.52	0.33%	0.15%
10	7	-159.800	-160.409	-0.61	0.38%	0.17%
10	8	-158.900	-159.555	-0.65	0.41%	0.19%
20	9	-159.800	-160.402	-0.60	0.38%	0.17%
20	10	-159.500	-160.406	-0.91	0.57%	0.26%
20	11	-159.700	-160.447	-0.75	0.47%	0.21%
20	12	-159.700	-161.037	-1.34	0.84%	0.38%
20	13	-160.200	-160.825	-0.62	0.39%	0.18%
30	14	-159.800	-168.213	-8.41	5.27%	2.40%
30	15	-160.000	-165.549	-5.55	3.47%	1.59%
30	16	-156.900	-165.409	-8.51	5.42%	2.43%
30	17	-159.900	-170.701	-10.80	6.76%	3.09%
30	18	-155.300	-160.877	-5.58	3.59%	1.59%
31	19	-159.800	-160.588	-0.79	0.49%	0.23%
31	20	-160.000	-161.278	-1.28	0.80%	0.37%
31	21	-156.900	-157.502	-0.60	0.38%	0.17%
31	22	-159.900	-160.707	-0.81	0.50%	0.23%
31	23	-155.300	-155.912	-0.61	0.39%	0.17%
	Max	-155.300	-155.912	-0.61	6.76%	3.09%
	Average	-158.996	-161.284	-2.29	1.44%	0.65%
	Min	-160.200	-170.701	-10.50	0.26%	0.12%
	Std Dev	1.496	3.290	1.79	1.96%	0.89%

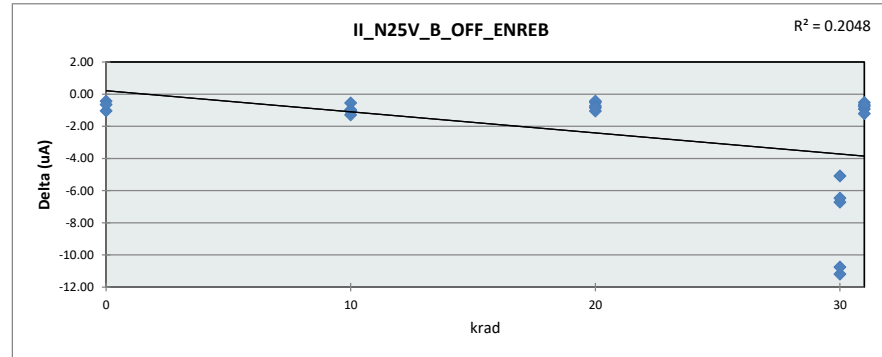


		II_N25V_B_OFF				
Units		uA				
Max Limit		0				
Min Limit		-350				
krad		0	10	20	30	31
LL		-350.000	-350.000	-350.000	-350.000	-350.000
Min		-160.484	-160.771	-161.037	-170.701	-161.278
Average		-159.637	-160.154	-160.623	-166.150	-159.198
Max		-157.974	-159.555	-160.402	-160.877	-155.912
UL		0.000	0.000	0.000	0.000	0.000

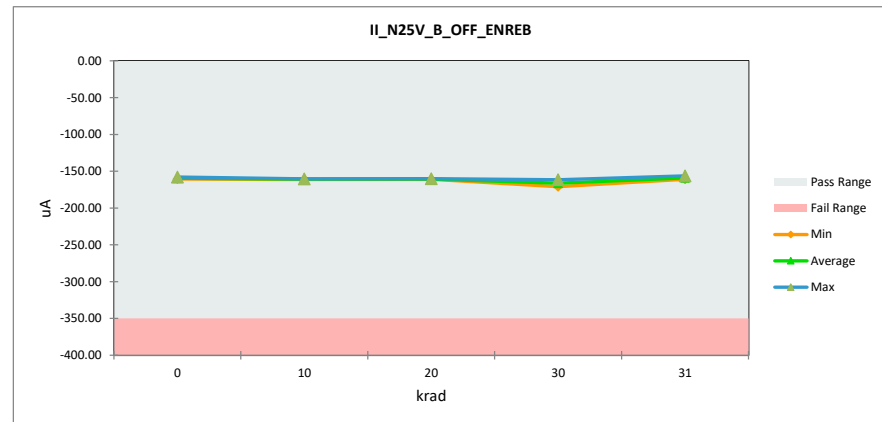


TID Report THVD9491-SEP

		II_N25V_B_OFF_ENREB				
Units		uA				
Max Limit		0				
Min Limit		-350				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	-157.400	-157.830	-0.43	0.27%	0.12%
0	2	-159.500	-160.526	-1.03	0.64%	0.29%
0	3	-159.700	-160.337	-0.64	0.40%	0.18%
10	4	-159.600	-160.572	-0.97	0.61%	0.28%
10	5	-159.600	-160.661	-1.06	0.67%	0.30%
10	6	-159.800	-160.343	-0.54	0.34%	0.16%
10	7	-159.900	-160.928	-1.03	0.64%	0.29%
10	8	-159.900	-161.184	-1.28	0.80%	0.37%
20	9	-160.000	-160.510	-0.51	0.32%	0.15%
20	10	-159.700	-160.131	-0.43	0.27%	0.12%
20	11	-159.900	-160.949	-1.05	0.66%	0.30%
20	12	-159.800	-160.533	-0.73	0.46%	0.21%
20	13	-160.200	-161.039	-0.84	0.52%	0.24%
30	14	-160.100	-166.808	-6.71	4.19%	1.92%
30	15	-159.700	-166.160	-6.46	4.05%	1.85%
30	16	-156.500	-161.586	-5.09	3.25%	1.45%
30	17	-159.800	-170.981	-11.18	7.00%	3.19%
30	18	-155.100	-165.841	-10.74	6.93%	3.07%
31	19	-160.100	-160.862	-0.76	0.48%	0.22%
31	20	-159.700	-160.217	-0.52	0.32%	0.15%
31	21	-156.500	-157.423	-0.92	0.59%	0.26%
31	22	-159.800	-160.466	-0.67	0.42%	0.19%
31	23	-155.100	-156.304	-1.20	0.78%	0.34%
	Max	-155.100	-156.304	-1.20	7.00%	3.19%
	Average	-159.017	-161.400	-2.38	1.50%	0.68%
	Min	-160.200	-170.981	-10.78	0.27%	0.12%
	Std Dev	1.627	3.223	1.60	2.07%	0.93%

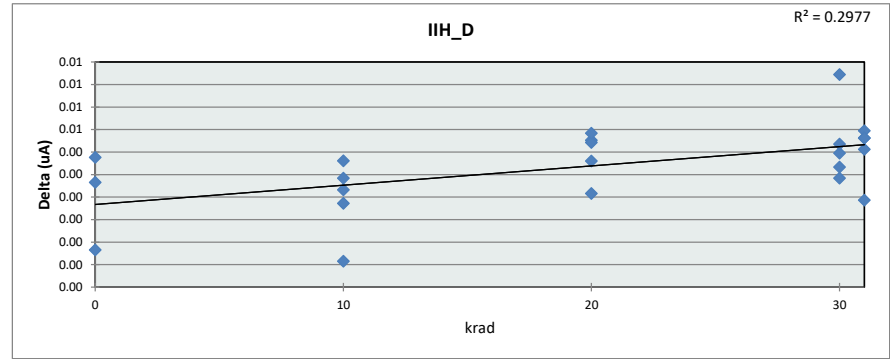


		II_N25V_B_OFF_ENREB				
Units		uA				
Max Limit		0				
Min Limit		-350				
krad		0	10	20	30	31
LL		-350.000	-350.000	-350.000	-350.000	-350.000
Min		-160.526	-161.184	-161.039	-170.981	-160.862
Average		-159.564	-160.738	-160.633	-166.275	-159.055
Max		-157.830	-160.343	-160.131	-161.586	-156.304
UL		0.000	0.000	0.000	0.000	0.000

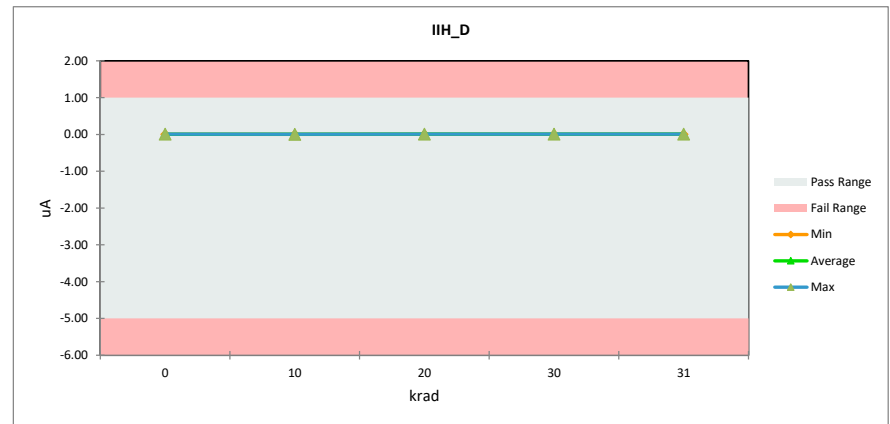


TID Report THVD9491-SEP

		IIH_D				
Units		uA				
Max Limit						
Min Limit		-5				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.003	0.003	0.00	-10.33%	0.01%
0	2	0.003	0.007	0.00	125.55%	0.08%
0	3	0.003	0.006	0.00	76.08%	0.05%
10	4	0.003	0.006	0.00	106.83%	0.06%
10	5	0.003	0.002	0.00	-26.27%	0.02%
10	6	0.003	0.006	0.00	142.74%	0.07%
10	7	0.003	0.006	0.00	72.81%	0.05%
10	8	0.003	0.004	0.00	67.96%	0.03%
20	9	0.002	0.007	0.00	201.67%	0.09%
20	10	0.004	0.008	0.00	122.94%	0.09%
20	11	0.002	0.007	0.00	250.44%	0.10%
20	12	0.003	0.006	0.00	142.26%	0.07%
20	13	0.003	0.006	0.00	64.38%	0.04%
30	14	0.002	0.009	0.01	405.06%	0.15%
30	15	0.003	0.007	0.00	114.65%	0.08%
30	16	0.002	0.006	0.00	153.52%	0.07%
30	17	0.002	0.005	0.00	139.30%	0.06%
30	18	0.004	0.008	0.00	118.73%	0.09%
31	19	0.002	0.007	0.00	269.32%	0.10%
31	20	0.003	0.008	0.00	134.18%	0.09%
31	21	0.002	0.007	0.00	212.80%	0.09%
31	22	0.002	0.006	0.00	202.18%	0.08%
31	23	0.004	0.006	0.00	51.01%	0.04%
	Max	0.004	0.009	0.01	405.06%	0.15%
	Average	0.003	0.006	0.00	136.43%	0.07%
	Min	0.002	0.002	0.00	-26.27%	0.01%
	Std Dev	0.001	0.002	0.00	93.53%	0.03%



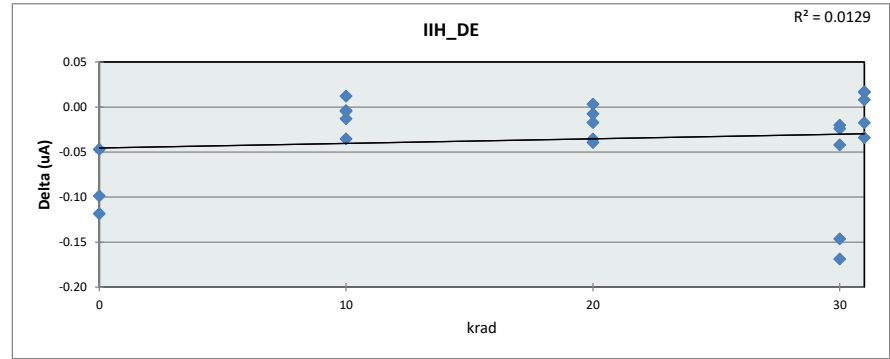
		IIH_D				
Units		uA				
Max Limit						
Min Limit		-5				
krad	0	10	20	30	31	
LL	-5.000	-5.000	-5.000	-5.000	-5.000	
Min	0.003	0.002	0.006	0.005	0.006	
Average	0.005	0.005	0.007	0.007	0.007	
Max	0.007	0.006	0.008	0.009	0.008	
UL						



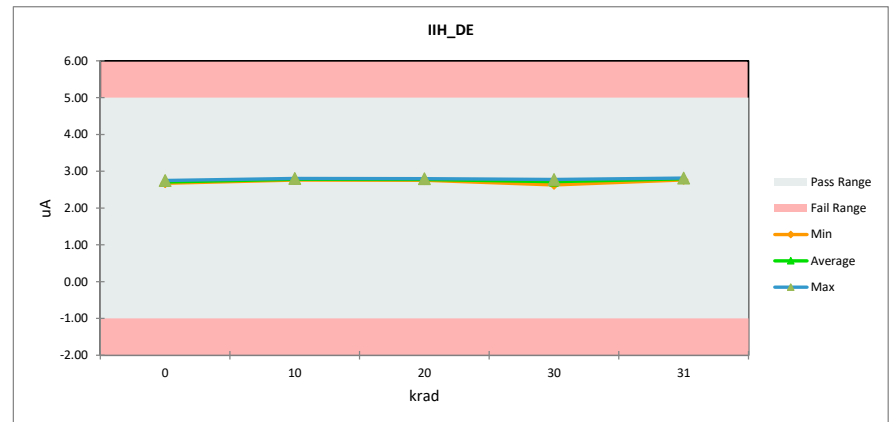
TID Report

THVD9491-SEP

		IIH_DE				
Units		uA				
Max Limit		5				
Min Limit						
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.799	2.700	-0.10	-3.52%	1.97%
0	2	2.791	2.673	-0.12	-4.24%	2.37%
0	3	2.796	2.749	-0.05	-1.68%	0.94%
10	4	2.792	2.779	-0.01	-0.46%	0.26%
10	5	2.795	2.791	0.00	-0.14%	0.08%
10	6	2.792	2.788	0.00	-0.16%	0.09%
10	7	2.792	2.804	0.01	0.44%	0.25%
10	8	2.793	2.758	-0.04	-1.26%	0.70%
20	9	2.793	2.758	-0.04	-1.27%	0.71%
20	10	2.794	2.755	-0.04	-1.41%	0.79%
20	11	2.797	2.780	-0.02	-0.61%	0.34%
20	12	2.798	2.790	-0.01	-0.27%	0.15%
20	13	2.796	2.799	0.00	0.12%	0.06%
30	14	2.798	2.778	-0.02	-0.72%	0.40%
30	15	2.794	2.770	-0.02	-0.85%	0.48%
30	16	2.794	2.648	-0.15	-5.24%	2.93%
30	17	2.797	2.755	-0.04	-1.50%	0.84%
30	18	2.797	2.628	-0.17	-6.03%	3.37%
31	19	2.798	2.764	-0.03	-1.21%	0.68%
31	20	2.794	2.777	-0.02	-0.62%	0.34%
31	21	2.794	2.803	0.01	0.29%	0.16%
31	22	2.797	2.813	0.02	0.59%	0.33%
31	23	2.797	2.814	0.02	0.61%	0.34%
	Max	2.799	2.814	0.02	0.61%	3.37%
	Average	2.795	2.760	-0.04	-1.27%	0.81%
	Min	2.791	2.628	-0.16	-6.03%	0.06%
	Std Dev	0.002	0.051	0.05	1.81%	0.93%



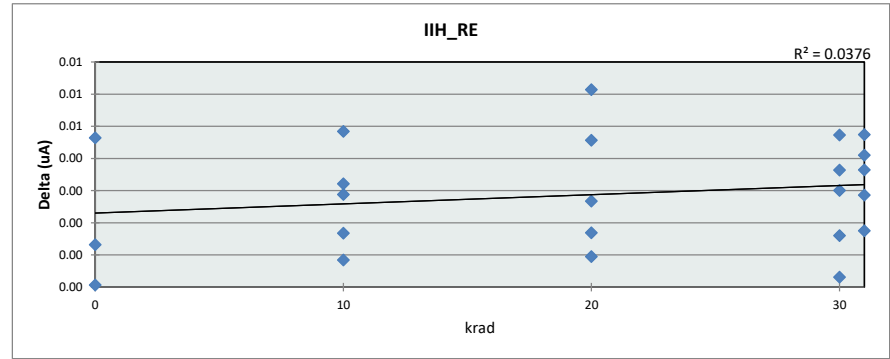
		IIH_DE				
Units		uA				
Max Limit		5				
Min Limit						
krad	0	10	20	30	31	
LL						
Min	2.673	2.758	2.755	2.628	2.764	
Average	2.707	2.784	2.776	2.716	2.794	
Max	2.749	2.804	2.799	2.778	2.814	
UL	5.000	5.000	5.000	5.000	5.000	



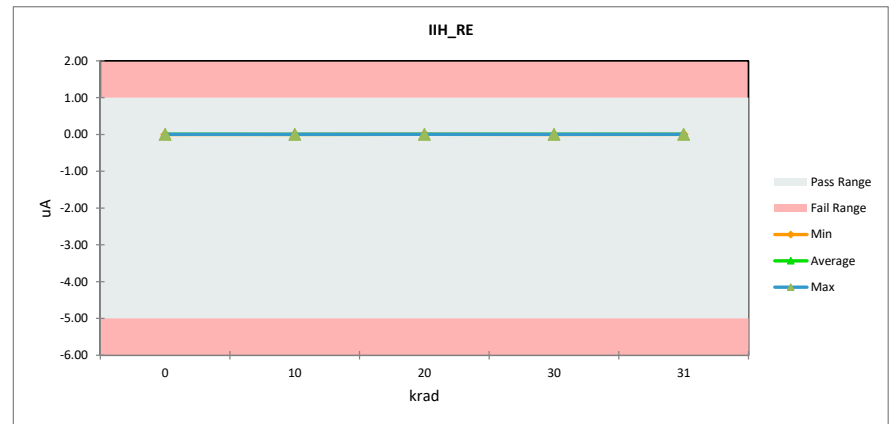
TID Report

THVD9491-SEP

		IIH_RE				
Units		uA				
Max Limit						
Min Limit		-5				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.000	0.001	0.00	-10039.39%	0.03%
0	2	-0.001	0.004	0.00	-565.84%	0.09%
0	3	0.000	0.000	0.00	-441.69%	0.00%
10	4	-0.002	0.001	0.00	-168.97%	0.06%
10	5	-0.001	-0.001	0.00	-59.63%	0.02%
10	6	-0.001	0.004	0.00	-474.30%	0.10%
10	7	-0.001	0.001	0.00	-168.45%	0.03%
10	8	-0.001	0.002	0.00	-305.97%	0.06%
20	9	0.000	0.002	0.00	690.87%	0.03%
20	10	0.000	0.001	0.00	262.53%	0.02%
20	11	0.000	0.003	0.00	-2524.93%	0.05%
20	12	-0.001	0.003	0.00	-332.80%	0.09%
20	13	-0.002	0.004	0.01	-364.16%	0.12%
30	14	0.000	0.003	0.00	1585.29%	0.06%
30	15	-0.002	0.000	0.00	-103.53%	0.03%
30	16	-0.001	0.003	0.00	-339.40%	0.07%
30	17	-0.002	0.003	0.00	-307.96%	0.09%
30	18	0.000	0.001	0.00	84.62%	0.01%
31	19	0.000	0.002	0.00	924.91%	0.04%
31	20	-0.002	0.001	0.00	-185.12%	0.06%
31	21	-0.001	0.003	0.00	-340.14%	0.07%
31	22	-0.002	0.003	0.00	-308.69%	0.09%
31	23	0.000	0.004	0.00	1109.69%	0.08%
	Max	0.000	0.004	0.00	1585.29%	0.12%
	Average	-0.001	0.002	0.00	-537.96%	0.06%
	Min	-0.002	-0.001	0.00	-10039.39%	0.00%
	Std Dev	0.001	0.001	0.00	2208.10%	0.03%



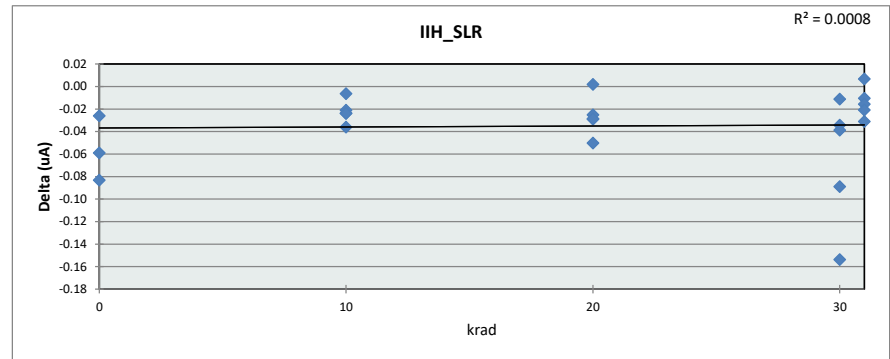
		IIH_RE				
Units		uA				
Max Limit						
Min Limit		-5				
krad	0	10	20	30	31	
LL	-5.000	-5.000	-5.000	-5.000	-5.000	
Min	0.000	-0.001	0.001	0.000	0.001	
Average	0.002	0.001	0.003	0.002	0.003	
Max	0.004	0.004	0.004	0.003	0.004	
UL						



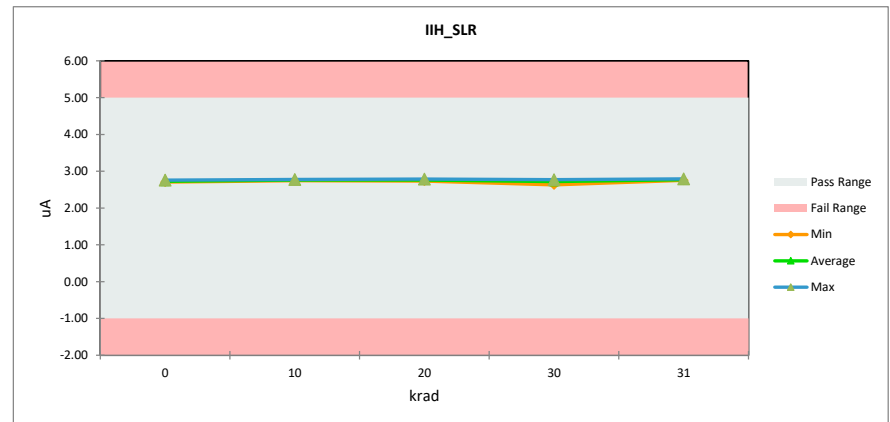
TID Report

THVD9491-SEP

		IIH_SLR				
Units		uA				
Max Limit		5				
Min Limit		5				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.786	2.727	-0.06	-2.11%	1.18%
0	2	2.786	2.703	-0.08	-2.99%	1.66%
0	3	2.784	2.758	-0.03	-0.93%	0.52%
10	4	2.786	2.765	-0.02	-0.75%	0.42%
10	5	2.785	2.761	-0.02	-0.86%	0.48%
10	6	2.786	2.762	-0.02	-0.85%	0.47%
10	7	2.782	2.746	-0.04	-1.30%	0.72%
10	8	2.782	2.776	-0.01	-0.23%	0.13%
20	9	2.784	2.786	0.00	0.07%	0.04%
20	10	2.785	2.756	-0.03	-1.03%	0.58%
20	11	2.785	2.760	-0.03	-0.90%	0.50%
20	12	2.783	2.754	-0.03	-1.03%	0.58%
20	13	2.784	2.734	-0.05	-1.80%	1.00%
30	14	2.785	2.751	-0.03	-1.23%	0.69%
30	15	2.787	2.748	-0.04	-1.39%	0.77%
30	16	2.784	2.695	-0.09	-3.19%	1.78%
30	17	2.782	2.771	-0.01	-0.40%	0.22%
30	18	2.784	2.630	-0.15	-5.52%	3.07%
31	19	2.785	2.792	0.01	0.24%	0.14%
31	20	2.787	2.776	-0.01	-0.37%	0.21%
31	21	2.784	2.768	-0.02	-0.56%	0.31%
31	22	2.782	2.761	-0.02	-0.75%	0.42%
31	23	2.784	2.753	-0.03	-1.11%	0.62%
	Max	2.787	2.792	0.01	0.24%	3.07%
	Average	2.784	2.749	-0.04	-1.26%	0.72%
	Min	2.782	2.630	-0.15	-5.52%	0.04%
	Std Dev	0.001	0.035	0.03	1.25%	0.68%



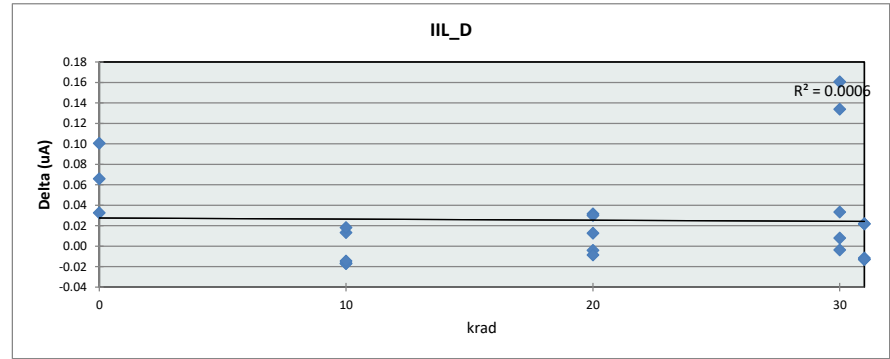
		IIH_SLR				
Units		uA				
Max Limit		5				
Min Limit		5				
krad		0	10	20	30	31
LL		2.703	2.746	2.734	2.630	2.753
Min		2.729	2.762	2.758	2.719	2.770
Average		2.758	2.776	2.786	2.771	2.792
Max		5.000	5.000	5.000	5.000	5.000
UL		5.000	5.000	5.000	5.000	5.000



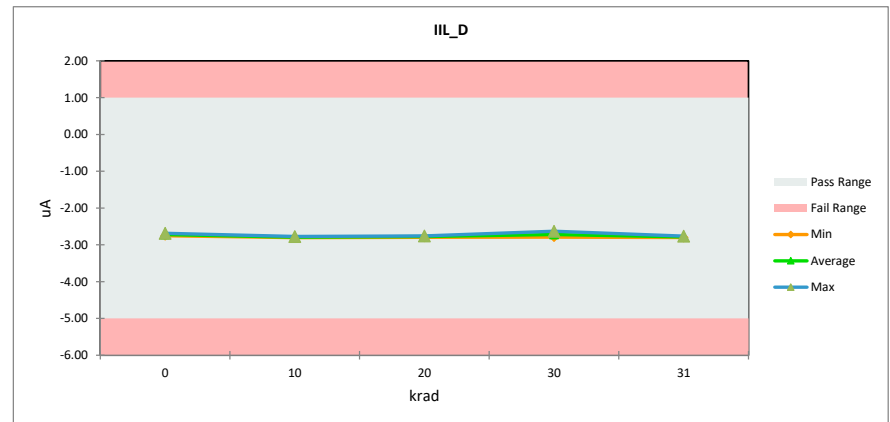
TID Report

THVD9491-SEP

		IIL_D				
Units		uA				
Max Limit						
Min Limit		-5				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	-2.786	-2.720	0.07	-2.37%	1.32%
0	2	-2.790	-2.689	0.10	-3.61%	2.01%
0	3	-2.786	-2.753	0.03	-1.18%	0.66%
10	4	-2.789	-2.776	0.01	-0.48%	0.27%
10	5	-2.784	-2.801	-0.02	0.59%	0.33%
10	6	-2.785	-2.802	-0.02	0.61%	0.34%
10	7	-2.790	-2.804	-0.01	0.52%	0.29%
10	8	-2.790	-2.772	0.02	-0.66%	0.37%
20	9	-2.791	-2.759	0.03	-1.13%	0.63%
20	10	-2.788	-2.758	0.03	-1.08%	0.60%
20	11	-2.789	-2.776	0.01	-0.46%	0.25%
20	12	-2.788	-2.792	0.00	0.14%	0.08%
20	13	-2.790	-2.798	-0.01	0.30%	0.17%
30	14	-2.786	-2.790	0.00	0.13%	0.07%
30	15	-2.787	-2.779	0.01	-0.29%	0.16%
30	16	-2.786	-2.652	0.13	-4.81%	2.68%
30	17	-2.790	-2.756	0.03	-1.20%	0.67%
30	18	-2.791	-2.630	0.16	-5.76%	3.21%
31	19	-2.786	-2.765	0.02	-0.78%	0.44%
31	20	-2.787	-2.765	0.02	-0.79%	0.44%
31	21	-2.786	-2.799	-0.01	0.46%	0.26%
31	22	-2.790	-2.801	-0.01	0.41%	0.23%
31	23	-2.791	-2.804	-0.01	0.46%	0.26%
	Max	-2.784	-2.630	0.15	0.61%	3.21%
	Average	-2.788	-2.763	0.03	-0.91%	0.68%
	Min	-2.791	-2.804	-0.01	-5.76%	0.07%
	Std Dev	0.002	0.048	0.05	1.72%	0.84%

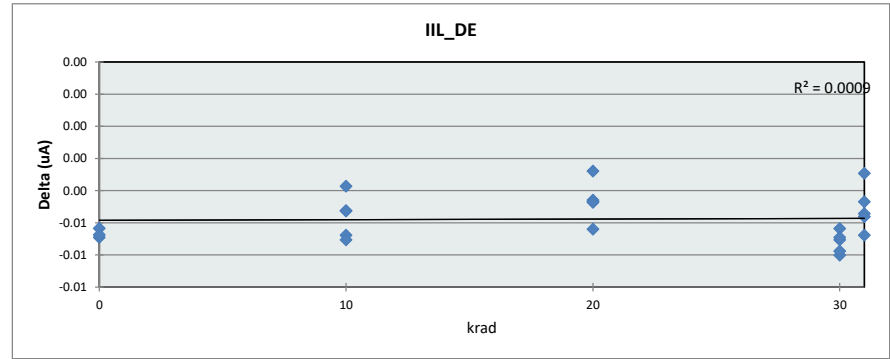


		IIL_D				
Units		uA				
Max Limit						
Min Limit		-5				
krad		0	10	20	30	31
LL		-5.000	-5.000	-5.000	-5.000	-5.000
Min		-2.753	-2.804	-2.798	-2.790	-2.804
Average		-2.721	-2.791	-2.777	-2.721	-2.787
Max		-2.689	-2.772	-2.758	-2.630	-2.765
UL						

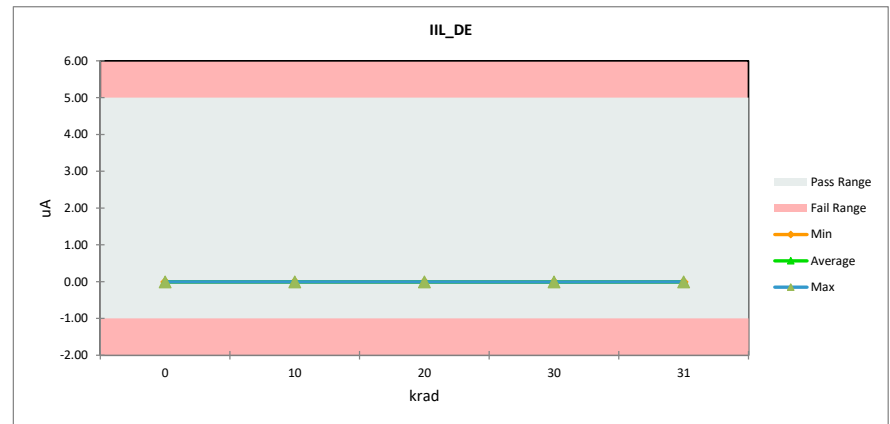


TID Report THVD9491-SEP

		IIL_DE				
Units		uA				
Max Limit		5				
Min Limit						
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	-0.004	-0.009	-0.01	144.59%	0.10%
0	2	-0.003	-0.009	-0.01	162.44%	0.11%
0	3	-0.004	-0.009	-0.01	148.26%	0.11%
10	4	-0.004	-0.007	0.00	108.45%	0.08%
10	5	-0.004	-0.008	0.00	123.53%	0.09%
10	6	-0.003	-0.009	-0.01	154.22%	0.11%
10	7	-0.004	-0.008	0.00	123.55%	0.09%
10	8	-0.004	-0.009	-0.01	156.61%	0.11%
20	9	-0.004	-0.008	0.00	114.68%	0.09%
20	10	-0.004	-0.008	0.00	112.17%	0.09%
20	11	-0.004	-0.007	0.00	89.56%	0.07%
20	12	-0.004	-0.008	0.00	120.34%	0.09%
20	13	-0.003	-0.009	-0.01	149.14%	0.10%
30	14	-0.003	-0.009	-0.01	159.58%	0.11%
30	15	-0.003	-0.009	-0.01	178.39%	0.12%
30	16	-0.004	-0.009	-0.01	137.72%	0.10%
30	17	-0.004	-0.009	-0.01	148.59%	0.11%
30	18	-0.003	-0.009	-0.01	174.53%	0.12%
31	19	-0.003	-0.008	0.00	136.03%	0.09%
31	20	-0.003	-0.008	0.00	142.88%	0.10%
31	21	-0.004	-0.007	0.00	92.01%	0.07%
31	22	-0.004	-0.008	0.00	118.45%	0.09%
31	23	-0.003	-0.009	-0.01	159.88%	0.11%
	Max	-0.003	-0.007	0.00	178.39%	0.12%
	Average	-0.004	-0.008	0.00	137.20%	0.10%
	Min	-0.004	-0.009	-0.01	89.56%	0.07%
	Std Dev	0.000	0.001	0.00	24.47%	0.01%



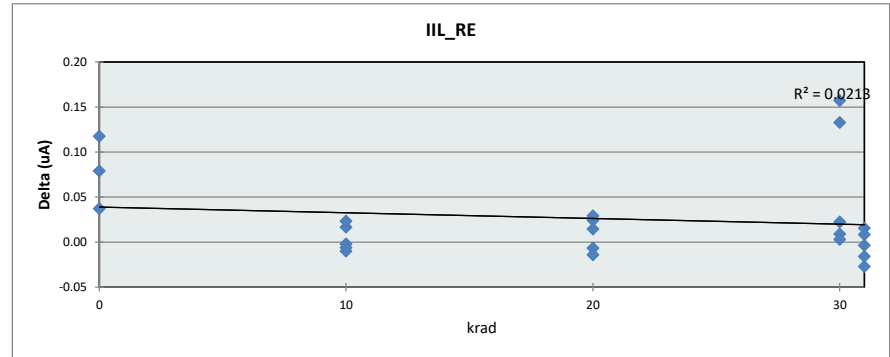
		IIL_DE				
Units		uA				
Max Limit		5				
Min Limit						
krad	0	10	20	30	31	
LL						
Min	-0.009	-0.009	-0.009	-0.009	-0.009	
Average	-0.009	-0.008	-0.008	-0.009	-0.008	
Max	-0.009	-0.007	-0.007	-0.009	-0.007	
UL	5.000	5.000	5.000	5.000	5.000	



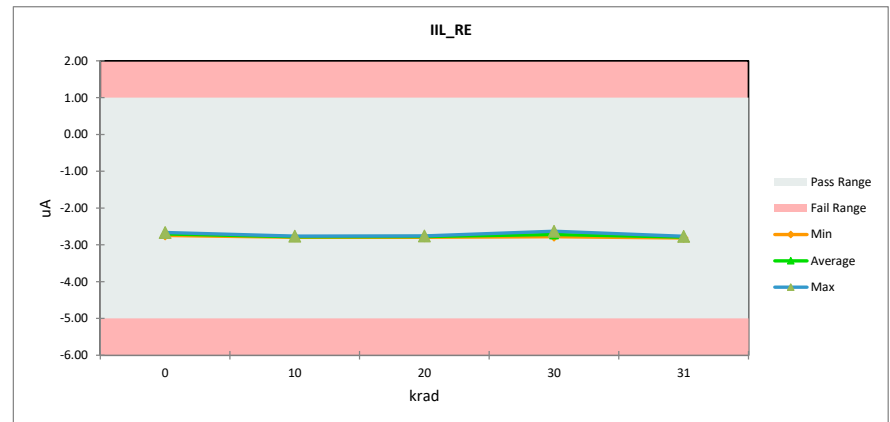
TID Report

THVD9491-SEP

		IIL_RE				
Units		uA				
Max Limit						
Min Limit		-5				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	-2.782	-2.703	0.08	-2.85%	1.58%
0	2	-2.783	-2.665	0.12	-4.23%	2.35%
0	3	-2.782	-2.745	0.04	-1.34%	0.75%
10	4	-2.788	-2.771	0.02	-0.60%	0.33%
10	5	-2.786	-2.788	0.00	0.07%	0.04%
10	6	-2.785	-2.795	-0.01	0.35%	0.20%
10	7	-2.786	-2.792	-0.01	0.21%	0.12%
10	8	-2.784	-2.761	0.02	-0.84%	0.47%
20	9	-2.785	-2.761	0.02	-0.88%	0.49%
20	10	-2.784	-2.755	0.03	-1.05%	0.59%
20	11	-2.784	-2.769	0.01	-0.53%	0.29%
20	12	-2.782	-2.789	-0.01	0.24%	0.13%
20	13	-2.783	-2.797	-0.01	0.50%	0.28%
30	14	-2.783	-2.774	0.01	-0.33%	0.18%
30	15	-2.783	-2.780	0.00	-0.11%	0.06%
30	16	-2.785	-2.652	0.13	-4.77%	2.66%
30	17	-2.783	-2.761	0.02	-0.81%	0.45%
30	18	-2.787	-2.630	0.16	-5.65%	3.15%
31	19	-2.783	-2.767	0.02	-0.56%	0.31%
31	20	-2.783	-2.774	0.01	-0.30%	0.17%
31	21	-2.785	-2.788	0.00	0.12%	0.07%
31	22	-2.783	-2.799	-0.02	0.57%	0.32%
31	23	-2.787	-2.814	-0.03	0.96%	0.54%
	Max	-2.782	-2.630	0.15	0.96%	3.15%
	Average	-2.784	-2.758	0.03	-0.95%	0.67%
	Min	-2.788	-2.814	-0.03	-5.65%	0.04%
	Std Dev	0.002	0.049	0.05	1.76%	0.88%



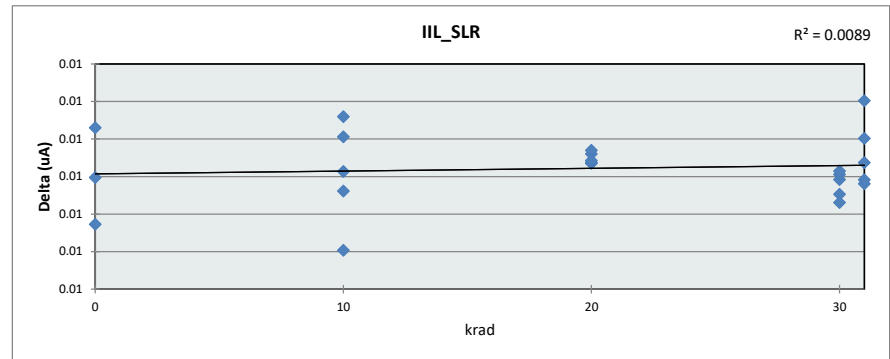
		IIL_RE				
Units		uA				
Max Limit						
Min Limit		-5				
krad		0	10	20	30	31
LL		-5.000	-5.000	-5.000	-5.000	-5.000
Min		-2.745	-2.795	-2.797	-2.780	-2.814
Average		-2.704	-2.781	-2.774	-2.719	-2.789
Max		-2.665	-2.761	-2.755	-2.630	-2.767
UL						



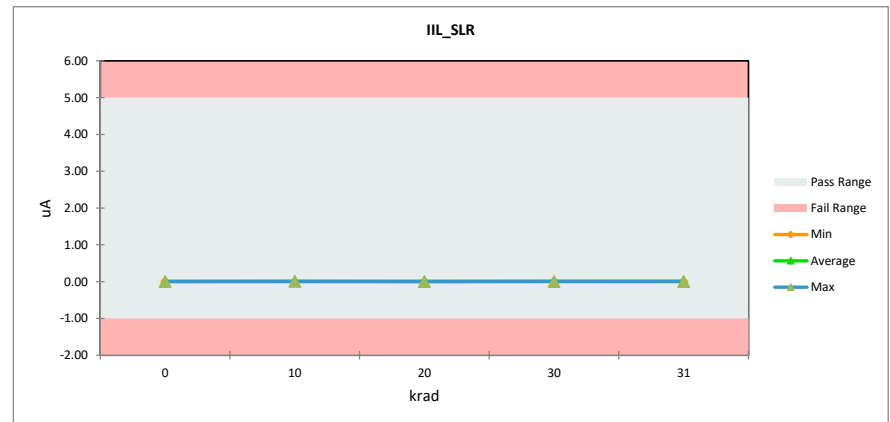
TID Report

THVD9491-SEP

		IIL_SLR				
Units		uA				
Max Limit		5				
Min Limit						
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	-0.004	0.007	0.01	-249.94%	0.22%
0	2	-0.004	0.006	0.01	-249.67%	0.21%
0	3	-0.005	0.007	0.01	-236.15%	0.23%
10	4	-0.005	0.005	0.01	-213.70%	0.20%
10	5	-0.005	0.007	0.01	-257.76%	0.24%
10	6	-0.005	0.006	0.01	-227.98%	0.22%
10	7	-0.004	0.007	0.01	-256.32%	0.22%
10	8	-0.005	0.007	0.01	-249.36%	0.23%
20	9	-0.005	0.007	0.01	-243.13%	0.23%
20	10	-0.004	0.007	0.01	-254.26%	0.22%
20	11	-0.005	0.006	0.01	-236.92%	0.22%
20	12	-0.004	0.007	0.01	-266.72%	0.23%
20	13	-0.005	0.007	0.01	-239.30%	0.22%
30	14	-0.004	0.007	0.01	-254.10%	0.22%
30	15	-0.005	0.006	0.01	-233.97%	0.22%
30	16	-0.004	0.006	0.01	-239.83%	0.21%
30	17	-0.005	0.006	0.01	-226.08%	0.22%
30	18	-0.005	0.006	0.01	-240.24%	0.22%
31	19	-0.004	0.007	0.01	-257.45%	0.22%
31	20	-0.005	0.007	0.01	-245.66%	0.23%
31	21	-0.004	0.007	0.01	-246.62%	0.22%
31	22	-0.005	0.007	0.01	-246.22%	0.24%
31	23	-0.005	0.007	0.01	-242.65%	0.22%
	Max	-0.004	0.007	0.01	-213.70%	0.24%
	Average	-0.005	0.007	0.01	-244.09%	0.22%
	Min	-0.005	0.005	0.01	-266.72%	0.20%
	Std Dev	0.000	0.000	0.00	11.91%	0.01%



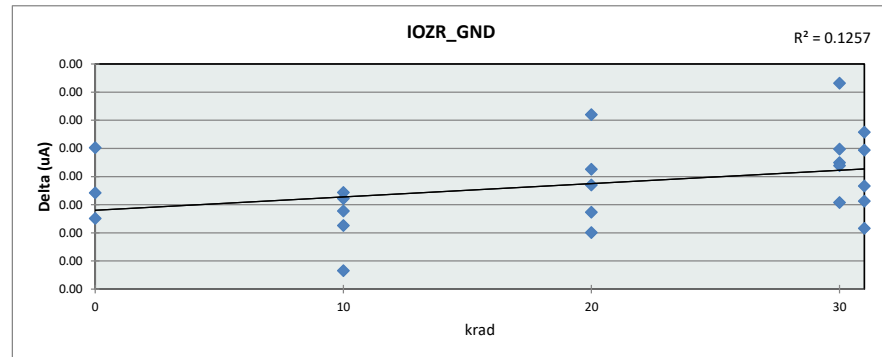
		IIL_SLR				
Units		uA				
Max Limit		5				
Min Limit						
krad	0	10	20	30	31	
LL	0.006	0.005	0.006	0.006	0.007	
Min	0.007	0.006	0.007	0.006	0.007	
Average	0.007	0.007	0.007	0.007	0.007	
Max	0.007	0.007	0.007	0.007	0.007	
UL	5.000	5.000	5.000	5.000	5.000	



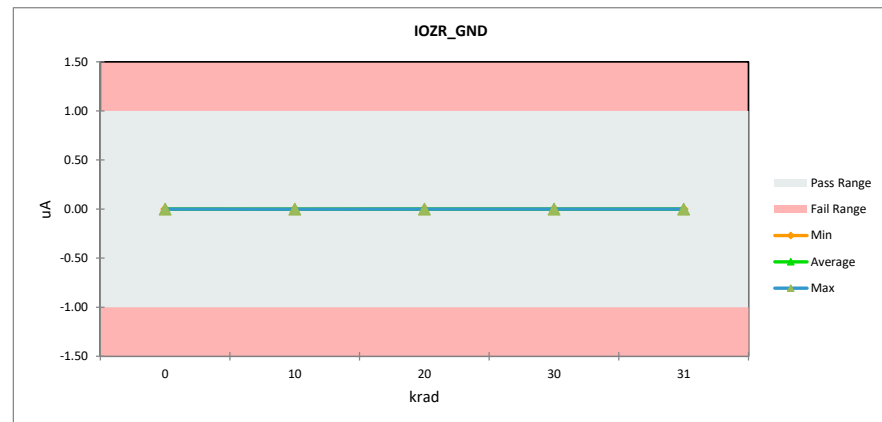
TID Report

THVD9491-SEP

IOZR_GND						
Units	uA					
Max Limit	1					
Min Limit	-1					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	-0.001	-0.001	0.00	9.33%	0.01%
0	2	-0.001	-0.001	0.00	-19.79%	0.01%
0	3	-0.001	-0.001	0.00	27.42%	0.01%
10	4	-0.001	-0.002	0.00	68.37%	0.03%
10	5	-0.001	-0.002	0.00	28.44%	0.02%
10	6	-0.001	-0.001	0.00	9.26%	0.01%
10	7	-0.001	-0.001	0.00	22.41%	0.01%
10	8	-0.001	-0.001	0.00	15.28%	0.01%
20	9	-0.001	-0.001	0.00	5.51%	0.00%
20	10	-0.001	-0.001	0.00	-4.60%	0.00%
20	11	-0.001	-0.001	0.00	26.08%	0.01%
20	12	-0.001	-0.001	0.00	-34.99%	0.02%
20	13	-0.001	-0.001	0.00	39.15%	0.02%
30	14	-0.001	-0.001	0.00	17.18%	0.01%
30	15	-0.001	-0.001	0.00	-51.31%	0.03%
30	16	-0.001	-0.001	0.00	-9.42%	0.00%
30	17	-0.001	-0.001	0.00	-17.23%	0.01%
30	18	-0.001	-0.001	0.00	-7.42%	0.00%
31	19	-0.001	-0.001	0.00	6.18%	0.00%
31	20	-0.001	-0.001	0.00	-14.59%	0.01%
31	21	-0.001	-0.001	0.00	16.43%	0.01%
31	22	-0.001	-0.001	0.00	-27.74%	0.02%
31	23	-0.001	-0.001	0.00	34.98%	0.02%
	Max	-0.001	-0.001	0.00	68.37%	0.03%
	Average	-0.001	-0.001	0.00	6.04%	0.01%
	Min	-0.001	-0.002	0.00	-51.31%	0.00%
	Std Dev	0.000	0.000	0.00	27.03%	0.01%

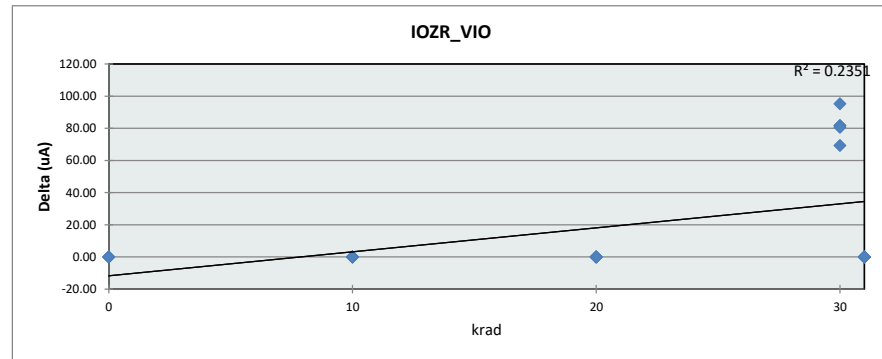


IOZR_GND					
Units	uA				
Max Limit	1				
Min Limit	-1				
krad	0	10	20	30	31
LL	-1.000	-1.000	-1.000	-1.000	-1.000
Min	-0.001	-0.002	-0.001	-0.001	-0.001
Average	-0.001	-0.001	-0.001	-0.001	-0.001
Max	-0.001	-0.001	-0.001	-0.001	-0.001
UL	1.000	1.000	1.000	1.000	1.000

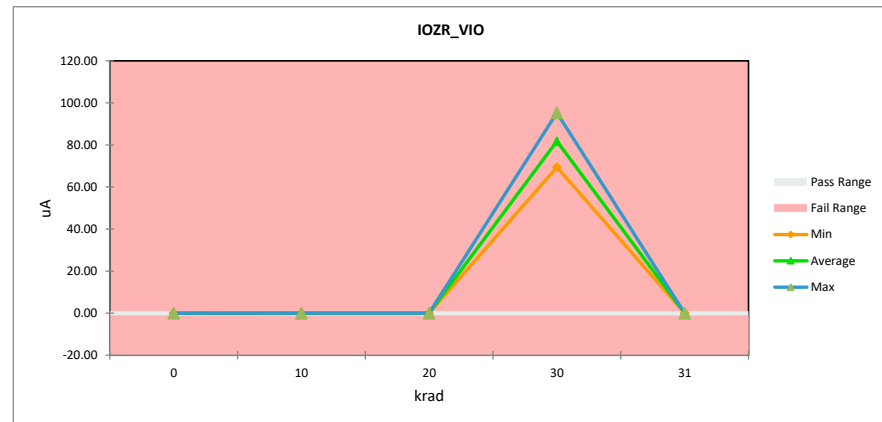


TID Report THVD9491-SEP

		IOZR_VIO				
Units		uA				
Max Limit		1				
Min Limit		-1				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.002	0.002	0.00	-1.60%	0.00%
0	2	0.002	0.002	0.00	5.99%	0.01%
0	3	0.002	0.002	0.00	-10.26%	0.01%
10	4	0.002	0.002	0.00	-0.86%	0.00%
10	5	0.002	0.003	0.00	13.68%	0.02%
10	6	0.002	0.002	0.00	1.72%	0.00%
10	7	0.002	0.003	0.00	14.11%	0.02%
10	8	0.002	0.003	0.00	11.12%	0.01%
20	9	0.002	0.002	0.00	2.57%	0.00%
20	10	0.002	0.003	0.00	18.38%	0.02%
20	11	0.002	0.003	0.00	18.81%	0.02%
20	12	0.002	0.002	0.00	5.56%	0.01%
20	13	0.002	0.002	0.00	3.43%	0.00%
30	14	0.002	95.284	95.28	4085834.82%	4764.08%
30	15	0.002	81.821	81.82	3321921.92%	4090.95%
30	16	0.002	81.714	81.71	3620347.50%	4085.56%
30	17	0.002	80.684	80.68	3645824.08%	4034.10%
30	18	0.002	69.421	69.42	3128390.31%	3470.95%
31	19	0.002	0.037	0.03	1469.20%	1.71%
31	20	0.002	0.043	0.04	1643.50%	2.02%
31	21	0.002	0.038	0.04	1593.70%	1.80%
31	22	0.002	0.033	0.03	1406.95%	1.56%
31	23	0.002	0.036	0.03	1512.75%	1.68%
	Max	0.002	95.284	95.28	4085834.82%	4764.08%
	Average	0.002	17.789	17.79	774349.02%	889.33%
	Min	0.002	0.002	0.00	-10.26%	0.00%
	Std Dev	0.000	34.708	34.71	1509422.24%	1735.39%



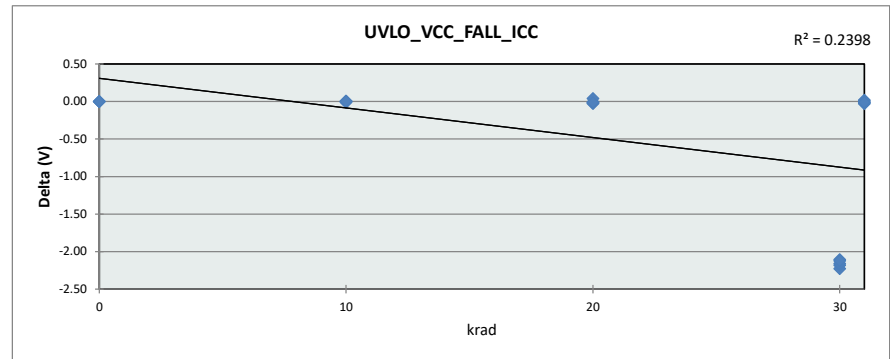
		IOZR_VIO				
Units		uA				
Max Limit		1				
Min Limit		-1				
krad		0	10	20	30	31
LL		-1.000	-1.000	-1.000	-1.000	-1.000
Min		0.002	0.002	0.002	69.421	0.033
Average		0.002	0.003	0.003	81.785	0.037
Max		0.002	0.003	0.003	95.284	0.043
UL		1.000	1.000	1.000	1.000	1.000



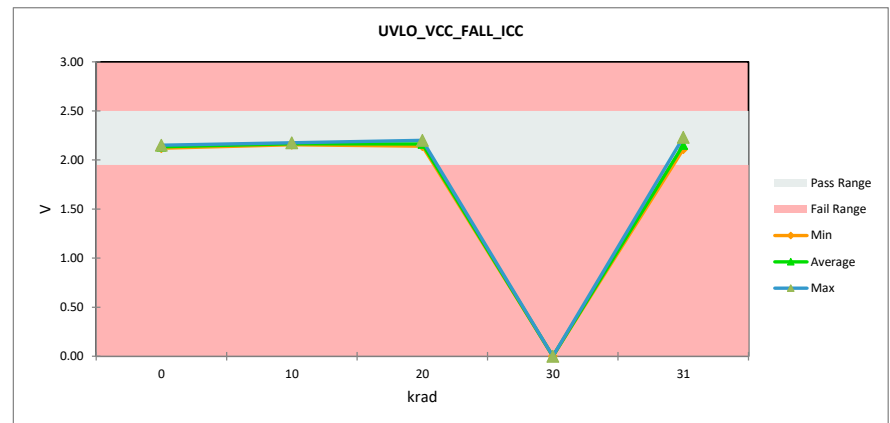
TID Report

THVD9491-SEP

UVLO_VCC_FALL_ICC						
Units	V					
Max Limit	2.5					
Min Limit	1.95					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.130	2.130	0.00	0.00%	0.00%
0	2	2.150	2.150	0.00	0.00%	0.00%
0	3	2.120	2.120	0.00	0.00%	0.00%
10	4	2.165	2.170	0.00	0.23%	0.91%
10	5	2.175	2.175	0.00	0.00%	0.00%
10	6	2.170	2.160	-0.01	-0.46%	1.82%
10	7	2.165	2.165	0.00	0.00%	0.00%
10	8	2.150	2.155	0.00	0.23%	0.91%
20	9	2.165	2.140	-0.02	-1.15%	4.55%
20	10	2.170	2.165	0.00	-0.23%	0.91%
20	11	2.215	2.200	-0.01	-0.68%	2.73%
20	12	2.100	2.140	0.04	1.90%	7.27%
20	13	2.180	2.165	-0.02	-0.69%	2.73%
30	14	2.225	0.000	-2.23	-100.00%	404.55%
30	15	2.180	0.000	-2.18	-100.00%	396.36%
30	16	2.160	0.000	-2.16	-100.00%	392.73%
30	17	2.105	0.000	-2.11	-100.00%	382.73%
30	18	2.120	0.000	-2.12	-100.00%	385.45%
31	19	2.225	2.230	0.00	0.22%	0.91%
31	20	2.180	2.150	-0.03	-1.38%	5.45%
31	21	2.160	2.145	-0.02	-0.69%	2.73%
31	22	2.105	2.125	0.02	0.95%	3.64%
31	23	2.120	2.110	-0.01	-0.47%	1.82%
	Max	2.225	2.230	0.00	1.90%	404.55%
	Average	2.158	1.687	-0.47	-21.84%	86.88%
	Min	2.100	0.000	-2.10	-100.00%	0.00%
	Std Dev	0.036	0.909	0.87	42.13%	164.68%



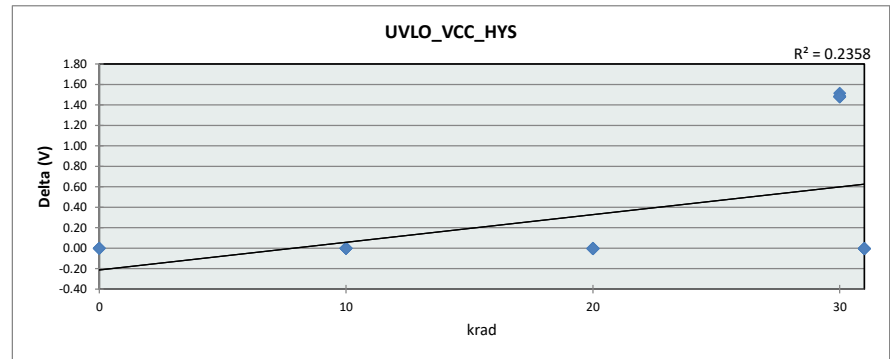
UVLO_VCC_FALL_ICC					
Units	V				
Max Limit	2.5				
Min Limit	1.95				
krad	0	10	20	30	31
LL	1.950	1.950	1.950	1.950	1.950
Min	2.120	2.155	2.140	0.000	2.110
Average	2.133	2.165	2.162	0.000	2.152
Max	2.150	2.175	2.200	0.000	2.230
UL	2.500	2.500	2.500	2.500	2.500



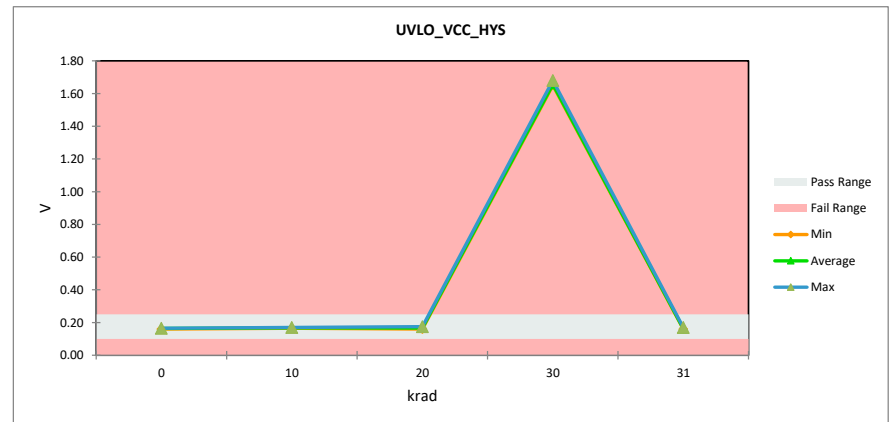
TID Report

THVD9491-SEP

		UVLO_VCC_HYS				
Units		V				
Max Limit		0.25				
Min Limit		0.1				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.165	0.165	0.00	0.00%	0.00%
0	2	0.165	0.165	0.00	0.00%	0.00%
0	3	0.160	0.160	0.00	0.00%	0.00%
10	4	0.170	0.170	0.00	0.00%	0.00%
10	5	0.170	0.170	0.00	0.00%	0.00%
10	6	0.165	0.165	0.00	0.00%	0.00%
10	7	0.170	0.170	0.00	0.00%	0.00%
10	8	0.165	0.165	0.00	0.00%	0.00%
20	9	0.170	0.165	-0.01	-2.94%	3.33%
20	10	0.170	0.165	-0.01	-2.94%	3.33%
20	11	0.175	0.175	0.00	0.00%	0.00%
20	12	0.160	0.160	0.00	0.00%	0.00%
20	13	0.170	0.165	-0.01	-2.94%	3.33%
30	14	0.170	1.650	1.48	870.59%	986.67%
30	15	0.165	1.650	1.49	900.00%	990.00%
30	16	0.165	1.680	1.52	918.18%	1010.00%
30	17	0.165	1.650	1.49	900.00%	990.00%
30	18	0.170	1.650	1.48	870.59%	986.67%
31	19	0.170	0.170	0.00	0.00%	0.00%
31	20	0.165	0.160	-0.01	-3.03%	3.33%
31	21	0.165	0.160	-0.01	-3.03%	3.33%
31	22	0.165	0.160	-0.01	-3.03%	3.33%
31	23	0.170	0.165	-0.01	-2.94%	3.33%
	Max	0.175	1.680	1.51	918.18%	1010.00%
	Average	0.167	0.489	0.32	192.98%	216.81%
	Min	0.160	0.160	0.00	-3.03%	0.00%
	Std Dev	0.004	0.629	0.63	376.73%	418.13%



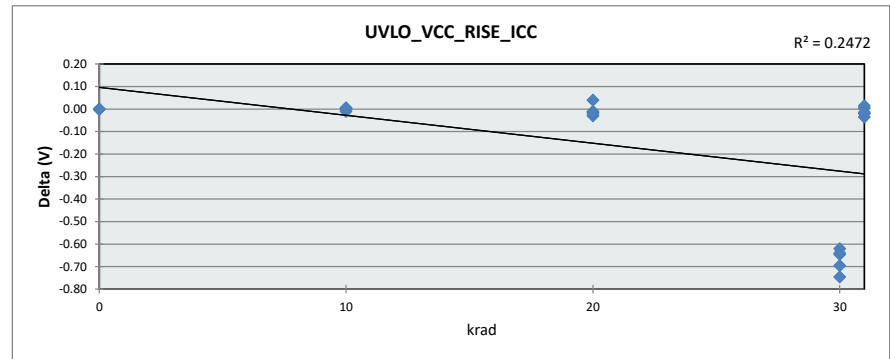
		UVLO_VCC_HYS								
Units		V								
Max Limit		0.25								
Min Limit		0.1								
krad	LL	Min	Average	Max	UL	0	10	20	30	31
	LL	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
	Min	0.160	0.165	0.160	0.160	1.650	0.160	0.160	1.650	0.160
	Average	0.163	0.168	0.166	1.656	0.163				
	Max	0.165	0.170	0.175	1.680	0.170				
	UL	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250



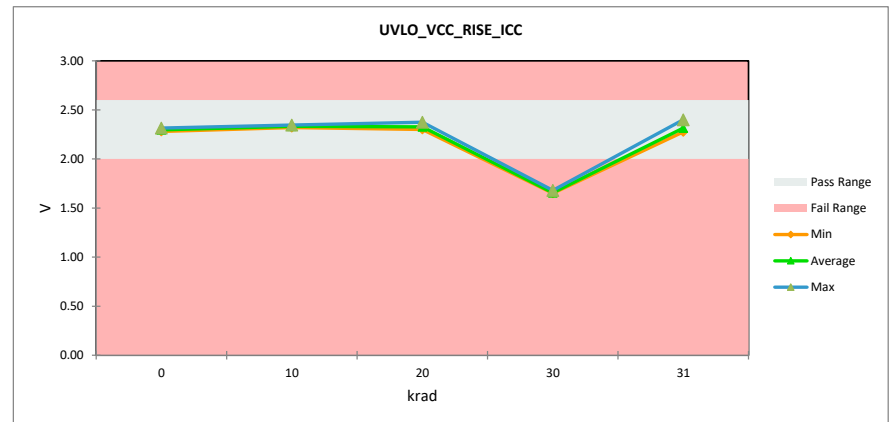
TID Report

THVD9491-SEP

		UVLO_VCC_RISE_ICC				
Units		V				
Max Limit		2.6				
Min Limit		2				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.295	2.295	0.00	0.00%	0.00%
0	2	2.315	2.315	0.00	0.00%	0.00%
0	3	2.280	2.280	0.00	0.00%	0.00%
10	4	2.335	2.340	0.00	0.21%	0.83%
10	5	2.345	2.345	0.00	0.00%	0.00%
10	6	2.335	2.325	-0.01	-0.43%	1.67%
10	7	2.335	2.335	0.00	0.00%	0.00%
10	8	2.315	2.320	0.00	0.22%	0.83%
20	9	2.335	2.305	-0.03	-1.28%	5.00%
20	10	2.340	2.330	-0.01	-0.43%	1.67%
20	11	2.390	2.375	-0.02	-0.63%	2.50%
20	12	2.260	2.300	0.04	1.77%	6.67%
20	13	2.350	2.330	-0.02	-0.85%	3.33%
30	14	2.395	1.650	-0.75	-31.11%	124.17%
30	15	2.345	1.650	-0.70	-29.64%	115.83%
30	16	2.325	1.680	-0.65	-27.74%	107.50%
30	17	2.270	1.650	-0.62	-27.31%	103.33%
30	18	2.290	1.650	-0.64	-27.95%	106.67%
31	19	2.395	2.400	0.00	0.21%	0.83%
31	20	2.345	2.310	-0.04	-1.49%	5.83%
31	21	2.325	2.305	-0.02	-0.86%	3.33%
31	22	2.270	2.285	0.02	0.66%	2.50%
31	23	2.290	2.275	-0.02	-0.66%	2.50%
	Max	2.395	2.400	0.00	1.77%	124.17%
	Average	2.325	2.176	-0.15	-6.40%	25.87%
	Min	2.260	1.650	-0.61	-31.11%	0.00%
	Std Dev	0.038	0.282	0.24	12.08%	46.32%



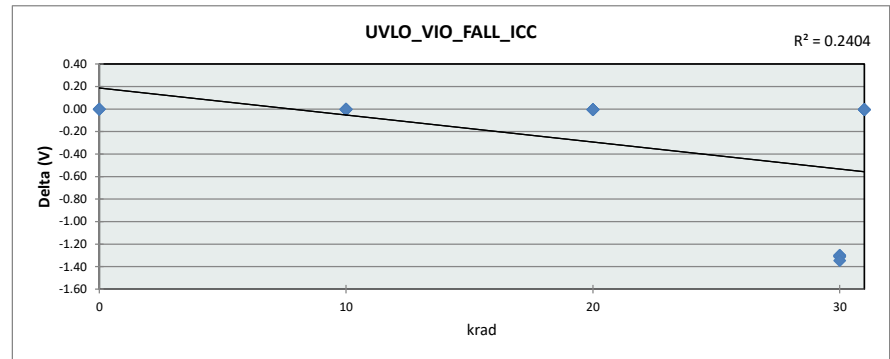
		UVLO_VCC_RISE_ICC						
Units		V						
Max Limit		2.6						
Min Limit		2						
krad		0	10	20	30	31		
LL		2.000	2.000	2.000	2.000	2.000		
Min		2.280	2.320	2.300	1.650	2.275		
Average		2.297	2.333	2.328	1.656	2.315		
Max		2.315	2.345	2.375	1.680	2.400		
UL		2.600	2.600	2.600	2.600	2.600		



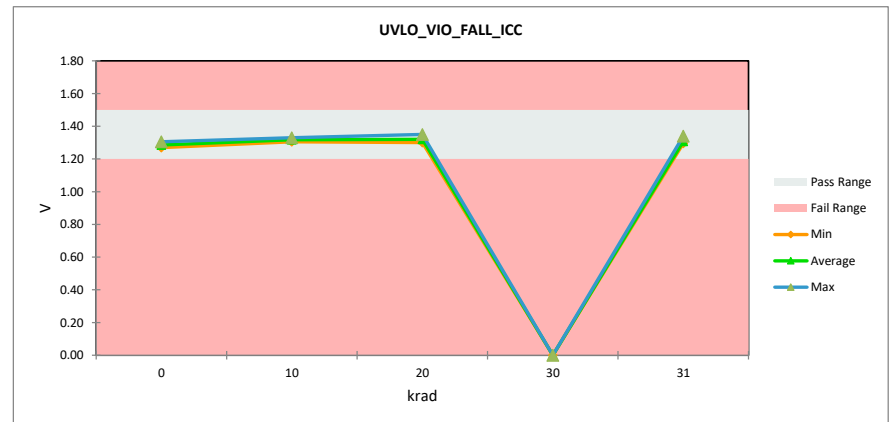
TID Report

THVD9491-SEP

UVLO_VIO_FALL_ICC						
Units	V					
Max Limit	1.5					
Min Limit	1.2					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.270	1.270	0.00	0.00%	0.00%
0	2	1.305	1.305	0.00	0.00%	0.00%
0	3	1.280	1.280	0.00	0.00%	0.00%
10	4	1.325	1.320	0.00	-0.38%	1.67%
10	5	1.305	1.305	0.00	0.00%	0.00%
10	6	1.315	1.315	0.00	0.00%	0.00%
10	7	1.330	1.330	0.00	0.00%	0.00%
10	8	1.320	1.315	-0.01	-0.38%	1.67%
20	9	1.355	1.350	0.00	-0.37%	1.67%
20	10	1.330	1.325	-0.01	-0.38%	1.67%
20	11	1.315	1.310	0.00	-0.38%	1.67%
20	12	1.320	1.315	-0.01	-0.38%	1.67%
20	13	1.305	1.300	0.00	-0.38%	1.67%
30	14	1.310	0.000	-1.31	-100.00%	436.67%
30	15	1.300	0.000	-1.30	-100.00%	433.33%
30	16	1.300	0.000	-1.30	-100.00%	433.33%
30	17	1.310	0.000	-1.31	-100.00%	436.67%
30	18	1.345	0.000	-1.35	-100.00%	448.33%
31	19	1.310	1.305	-0.01	-0.38%	1.67%
31	20	1.300	1.295	-0.01	-0.38%	1.67%
31	21	1.300	1.295	-0.01	-0.38%	1.67%
31	22	1.310	1.305	-0.01	-0.38%	1.67%
31	23	1.345	1.340	0.00	-0.37%	1.67%
	Max	1.355	1.350	0.00	0.00%	448.33%
	Average	1.313	1.025	-0.29	-21.94%	96.01%
	Min	1.270	0.000	-1.27	-100.00%	0.00%
	Std Dev	0.020	0.553	0.53	42.07%	184.13%



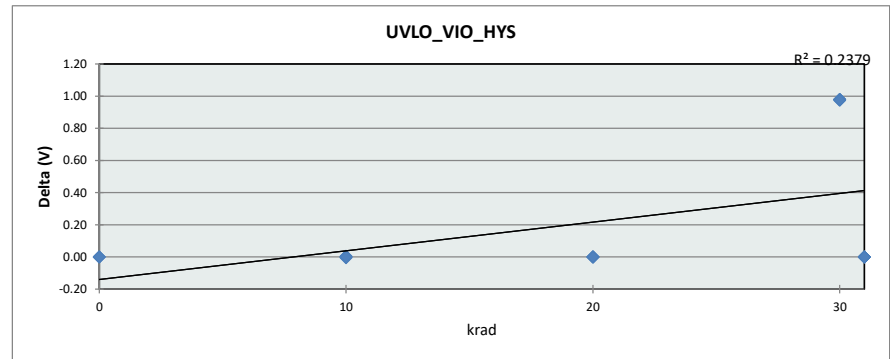
UVLO_VIO_FALL_ICC					
Units	V				
Max Limit	1.5				
Min Limit	1.2				
krad	0	10	20	30	31
LL	1.200	1.200	1.200	1.200	1.200
Min	1.270	1.305	1.300	0.000	1.295
Average	1.285	1.317	1.320	0.000	1.308
Max	1.305	1.330	1.350	0.000	1.340
UL	1.500	1.500	1.500	1.500	1.500



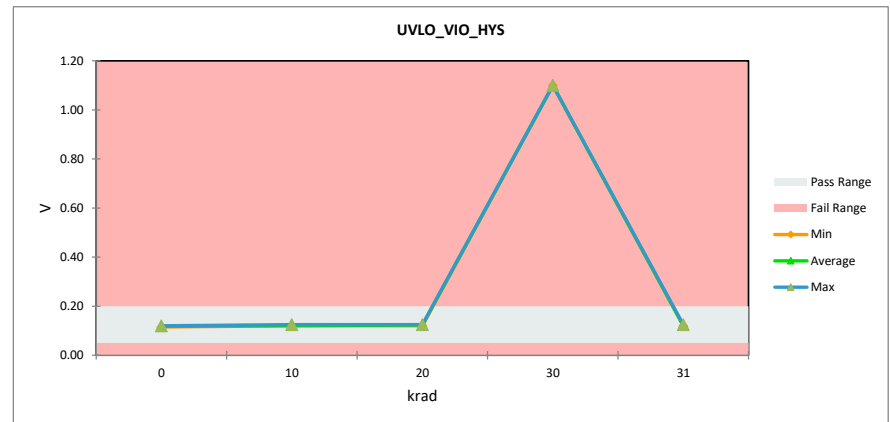
TID Report

THVD9491-SEP

UVLO_VIO_HYS						
Units		V				
Max Limit		0.2				
Min Limit		0.05				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.115	0.115	0.00	0.00%	0.00%
0	2	0.120	0.120	0.00	0.00%	0.00%
0	3	0.120	0.120	0.00	0.00%	0.00%
10	4	0.120	0.125	0.01	4.17%	3.33%
10	5	0.120	0.120	0.00	0.00%	0.00%
10	6	0.125	0.120	-0.01	-4.00%	3.33%
10	7	0.120	0.120	0.00	0.00%	0.00%
10	8	0.120	0.120	0.00	0.00%	0.00%
20	9	0.125	0.125	0.00	0.00%	0.00%
20	10	0.125	0.125	0.00	0.00%	0.00%
20	11	0.120	0.120	0.00	0.00%	0.00%
20	12	0.125	0.125	0.00	0.00%	0.00%
20	13	0.120	0.120	0.00	0.00%	0.00%
30	14	0.120	1.100	0.98	816.67%	653.33%
30	15	0.120	1.100	0.98	816.67%	653.33%
30	16	0.120	1.100	0.98	816.67%	653.33%
30	17	0.120	1.100	0.98	816.67%	653.33%
30	18	0.125	1.100	0.98	780.00%	650.00%
31	19	0.120	0.120	0.00	0.00%	0.00%
31	20	0.120	0.120	0.00	0.00%	0.00%
31	21	0.120	0.120	0.00	0.00%	0.00%
31	22	0.120	0.120	0.00	0.00%	0.00%
31	23	0.125	0.125	0.00	0.00%	0.00%
	Max	0.125	1.100	0.98	816.67%	653.33%
	Average	0.121	0.334	0.21	175.95%	142.17%
	Min	0.115	0.115	0.00	-4.00%	0.00%
	Std Dev	0.003	0.413	0.41	341.40%	275.10%



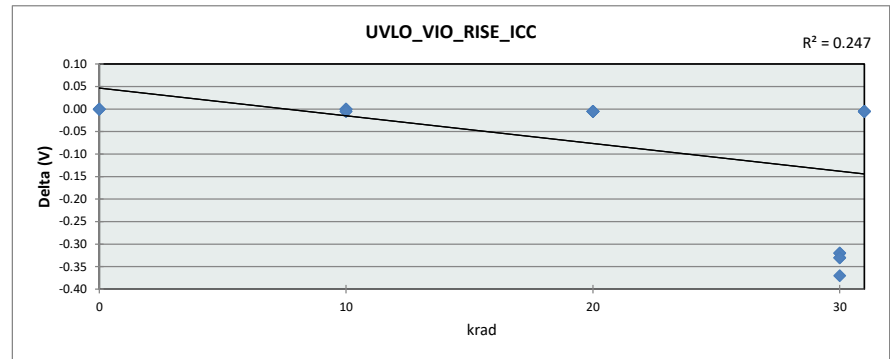
UVLO_VIO_HYS					
Units		V			
Max Limit		0.2			
Min Limit		0.05			
krad	0	10	20	30	31
LL	0.050	0.050	0.050	0.050	0.050
Min	0.115	0.120	0.120	1.100	0.120
Average	0.118	0.121	0.123	1.100	0.121
Max	0.120	0.125	0.125	1.100	0.125
UL	0.200	0.200	0.200	0.200	0.200



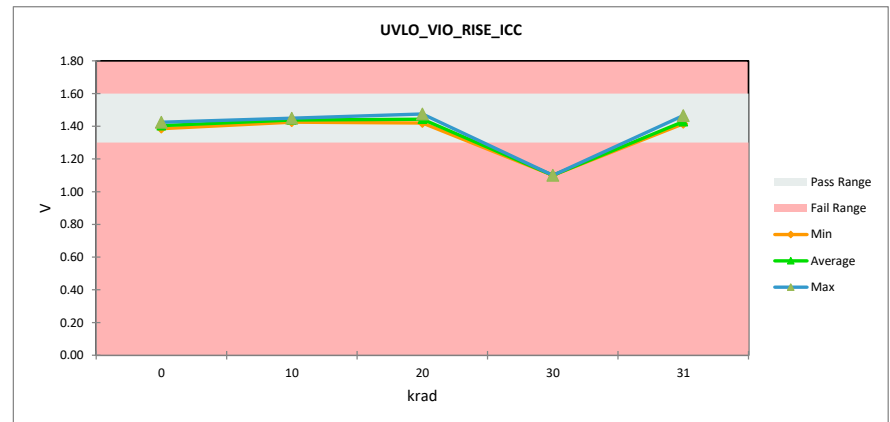
TID Report

THVD9491-SEP

UVLO_VIO_RISE_ICC						
Units	V					
Max Limit	1.6					
Min Limit	1.3					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.385	1.385	0.00	0.00%	0.00%
0	2	1.425	1.425	0.00	0.00%	0.00%
0	3	1.400	1.400	0.00	0.00%	0.00%
10	4	1.445	1.445	0.00	0.00%	0.00%
10	5	1.425	1.425	0.00	0.00%	0.00%
10	6	1.440	1.435	0.00	-0.35%	1.67%
10	7	1.450	1.450	0.00	0.00%	0.00%
10	8	1.440	1.435	0.00	-0.35%	1.67%
20	9	1.480	1.475	0.00	-0.34%	1.67%
20	10	1.455	1.450	-0.01	-0.34%	1.67%
20	11	1.435	1.430	-0.01	-0.35%	1.67%
20	12	1.445	1.440	-0.01	-0.35%	1.67%
20	13	1.425	1.420	-0.01	-0.35%	1.67%
30	14	1.430	1.100	-0.33	-23.08%	110.00%
30	15	1.420	1.100	-0.32	-22.54%	106.67%
30	16	1.420	1.100	-0.32	-22.54%	106.67%
30	17	1.430	1.100	-0.33	-23.08%	110.00%
30	18	1.470	1.100	-0.37	-25.17%	123.33%
31	19	1.430	1.425	0.00	-0.35%	1.67%
31	20	1.420	1.415	0.00	-0.35%	1.67%
31	21	1.420	1.415	0.00	-0.35%	1.67%
31	22	1.430	1.425	0.00	-0.35%	1.67%
31	23	1.470	1.465	0.00	-0.34%	1.67%
	Max	1.480	1.475	0.00	0.00%	123.33%
	Average	1.434	1.359	-0.08	-5.24%	25.07%
	Min	1.385	1.100	-0.29	-25.17%	0.00%
	Std Dev	0.022	0.141	0.12	9.73%	46.58%

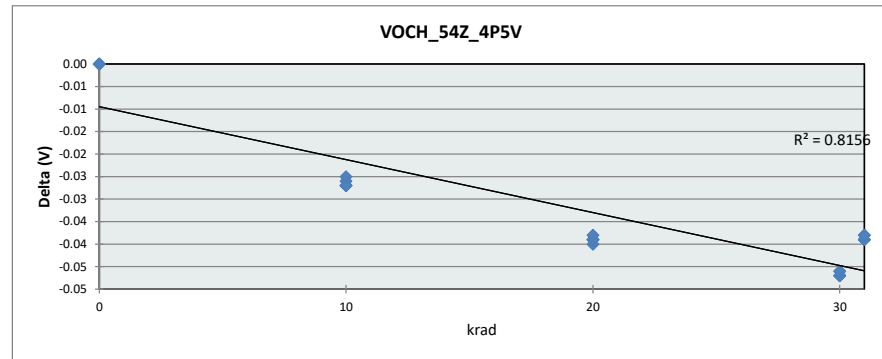


UVLO_VIO_RISE_ICC					
Units	V				
Max Limit	1.6				
Min Limit	1.3				
krad	0	10	20	30	31
LL	1.300	1.300	1.300	1.300	1.300
Min	1.385	1.425	1.420	1.100	1.415
Average	1.403	1.438	1.443	1.100	1.429
Max	1.425	1.450	1.475	1.100	1.465
UL	1.600	1.600	1.600	1.600	1.600

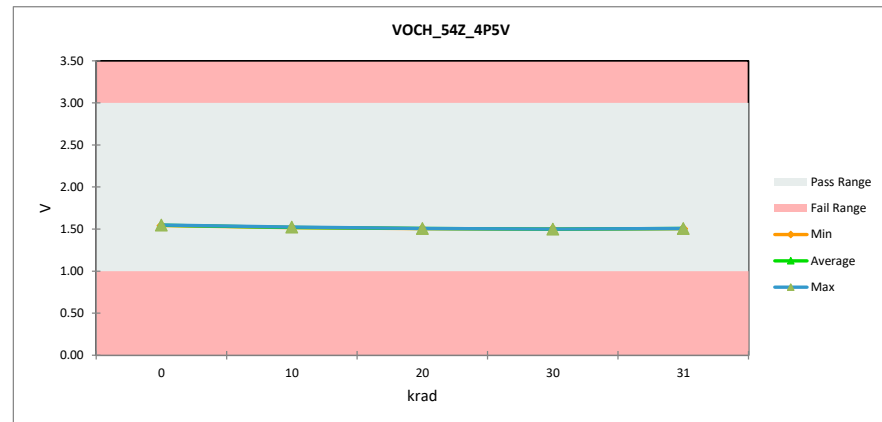


TID Report THVD9491-SEP

VOCH_54Z_4P5V						
Units	V					
Max Limit	3					
Min Limit	1					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.548	1.548	0.00	0.00%	0.00%
0	2	1.542	1.542	0.00	0.00%	0.00%
0	3	1.547	1.547	0.00	0.00%	0.00%
10	4	1.546	1.520	-0.03	-1.68%	1.30%
10	5	1.543	1.516	-0.03	-1.75%	1.35%
10	6	1.546	1.519	-0.03	-1.75%	1.35%
10	7	1.543	1.516	-0.03	-1.75%	1.35%
10	8	1.548	1.523	-0.03	-1.61%	1.25%
20	9	1.547	1.507	-0.04	-2.59%	2.00%
20	10	1.546	1.507	-0.04	-2.52%	1.95%
20	11	1.545	1.506	-0.04	-2.52%	1.95%
20	12	1.547	1.508	-0.04	-2.52%	1.95%
20	13	1.545	1.507	-0.04	-2.46%	1.90%
30	14	1.546	1.499	-0.05	-3.04%	2.35%
30	15	1.546	1.499	-0.05	-3.04%	2.35%
30	16	1.546	1.499	-0.05	-3.04%	2.35%
30	17	1.545	1.499	-0.05	-2.98%	2.30%
30	18	1.546	1.500	-0.05	-2.98%	2.30%
31	19	1.546	1.507	-0.04	-2.52%	1.95%
31	20	1.546	1.507	-0.04	-2.52%	1.95%
31	21	1.546	1.508	-0.04	-2.46%	1.90%
31	22	1.545	1.506	-0.04	-2.52%	1.95%
31	23	1.546	1.508	-0.04	-2.46%	1.90%
Max		1.548	1.548	0.00	0.00%	2.35%
Average		1.546	1.513	-0.03	-2.12%	1.64%
Min		1.542	1.499	-0.04	-3.04%	0.00%
Std Dev		0.001	0.015	0.01	0.95%	0.73%



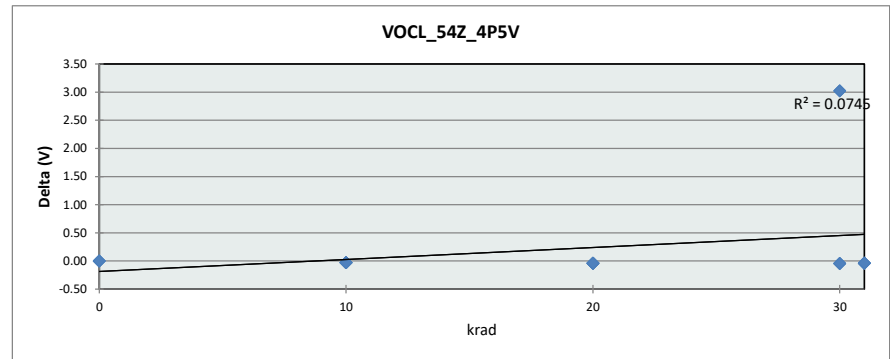
VOCH_54Z_4P5V					
Units	V				
Max Limit	3				
Min Limit	1				
krad	0	10	20	30	31
LL	1.000	1.000	1.000	1.000	1.000
Min	1.542	1.516	1.506	1.499	1.506
Average	1.546	1.519	1.507	1.499	1.507
Max	1.548	1.523	1.508	1.500	1.508
UL	3.000	3.000	3.000	3.000	3.000



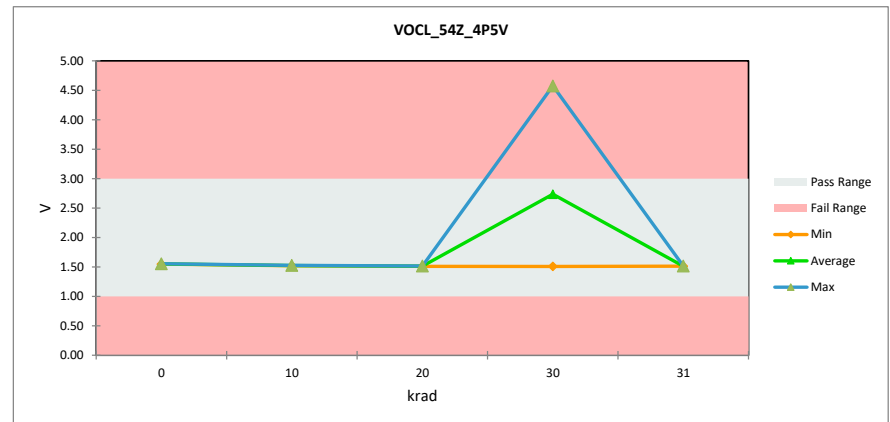
TID Report

THVD9491-SEP

VOCL_54Z_4P5V						
Units	V					
Max Limit	3					
Min Limit	1					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.552	1.553	0.00	0.06%	0.05%
0	2	1.548	1.548	0.00	0.00%	0.00%
0	3	1.552	1.552	0.00	0.00%	0.00%
10	4	1.551	1.524	-0.03	-1.74%	1.35%
10	5	1.548	1.520	-0.03	-1.81%	1.40%
10	6	1.552	1.524	-0.03	-1.80%	1.40%
10	7	1.549	1.520	-0.03	-1.87%	1.45%
10	8	1.553	1.526	-0.03	-1.74%	1.35%
20	9	1.552	1.513	-0.04	-2.51%	1.95%
20	10	1.552	1.513	-0.04	-2.51%	1.95%
20	11	1.551	1.511	-0.04	-2.58%	2.00%
20	12	1.553	1.515	-0.04	-2.45%	1.90%
20	13	1.551	1.513	-0.04	-2.45%	1.90%
30	14	1.552	1.508	-0.04	-2.84%	2.20%
30	15	1.551	4.574	3.02	194.89%	151.14%
30	16	1.552	1.510	-0.04	-2.71%	2.10%
30	17	1.551	1.509	-0.04	-2.71%	2.10%
30	18	1.552	4.576	3.02	194.81%	151.18%
31	19	1.552	1.513	-0.04	-2.51%	1.95%
31	20	1.551	1.513	-0.04	-2.45%	1.90%
31	21	1.552	1.515	-0.04	-2.38%	1.85%
31	22	1.551	1.513	-0.04	-2.45%	1.90%
31	23	1.552	1.516	-0.04	-2.32%	1.80%
	Max	1.553	4.576	3.02	194.89%	151.18%
	Average	1.551	1.786	0.23	15.13%	14.56%
	Min	1.548	1.508	-0.04	-2.84%	0.00%
	Std Dev	0.001	0.880	0.88	56.72%	43.11%



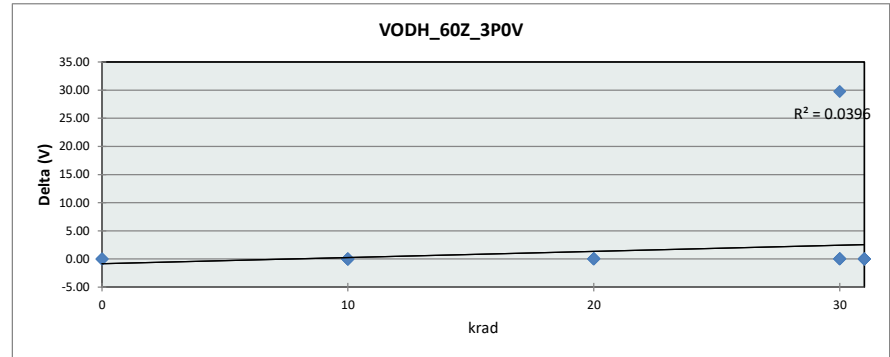
VOCL_54Z_4P5V					
Units	V				
Max Limit	3				
Min Limit	1				
krad	0	10	20	30	31
LL	1.000	1.000	1.000	1.000	1.000
Min	1.548	1.520	1.511	1.508	1.513
Average	1.551	1.523	1.513	2.735	1.514
Max	1.553	1.526	1.515	4.576	1.516
UL	3.000	3.000	3.000	3.000	3.000



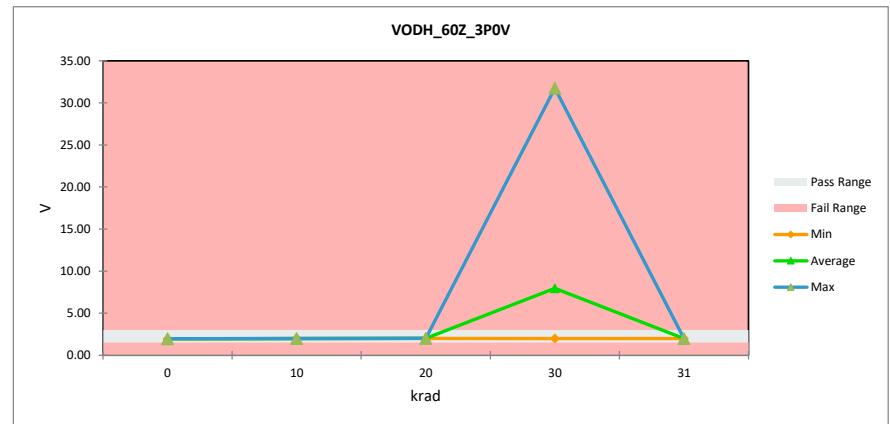
TID Report

THVD9491-SEP

VODH_60Z_3P0V						
Units	V					
Max Limit	3					
Min Limit	1.5					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.948	1.947	0.00	-0.05%	0.07%
0	2	1.968	1.968	0.00	0.00%	0.00%
0	3	1.960	1.959	0.00	-0.05%	0.07%
10	4	1.961	1.984	0.02	1.17%	1.53%
10	5	1.963	1.986	0.02	1.17%	1.53%
10	6	1.960	1.989	0.03	1.48%	1.93%
10	7	1.956	1.983	0.03	1.38%	1.80%
10	8	1.962	1.990	0.03	1.43%	1.87%
20	9	1.959	2.002	0.04	2.19%	2.87%
20	10	1.957	1.997	0.04	2.04%	2.67%
20	11	1.958	1.997	0.04	1.99%	2.60%
20	12	1.957	2.001	0.04	2.25%	2.93%
20	13	1.958	2.004	0.05	2.35%	3.07%
30	14	1.952	1.995	0.04	2.20%	2.87%
30	15	1.955	2.007	0.05	2.66%	3.47%
30	16	1.958	2.008	0.05	2.55%	3.33%
30	17	1.957	2.008	0.05	2.61%	3.40%
30	18	1.961	31.750	29.79	1519.07%	1985.93%
31	19	1.952	1.980	0.03	1.43%	1.87%
31	20	1.955	1.984	0.03	1.48%	1.93%
31	21	1.958	1.987	0.03	1.48%	1.93%
31	22	1.957	1.986	0.03	1.48%	1.93%
31	23	1.961	1.993	0.03	1.63%	2.13%
Max		1.968	31.750	29.78	1519.07%	1985.93%
Average		1.958	3.283	1.32	67.56%	88.34%
Min		1.948	1.947	0.00	-0.05%	0.00%
Std Dev		0.004	6.206	6.20	316.42%	413.66%



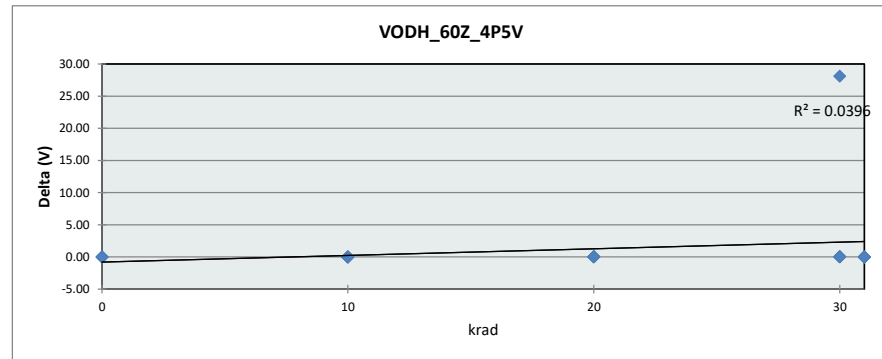
VODH_60Z_3P0V					
Units	V				
Max Limit	3				
Min Limit	1.5				
krad	0	10	20	30	31
LL	1.500	1.500	1.500	1.500	1.500
Min	1.947	1.983	1.997	1.995	1.980
Average	1.958	1.986	2.000	7.954	1.986
Max	1.968	1.990	2.004	31.750	1.993
UL	3.000	3.000	3.000	3.000	3.000



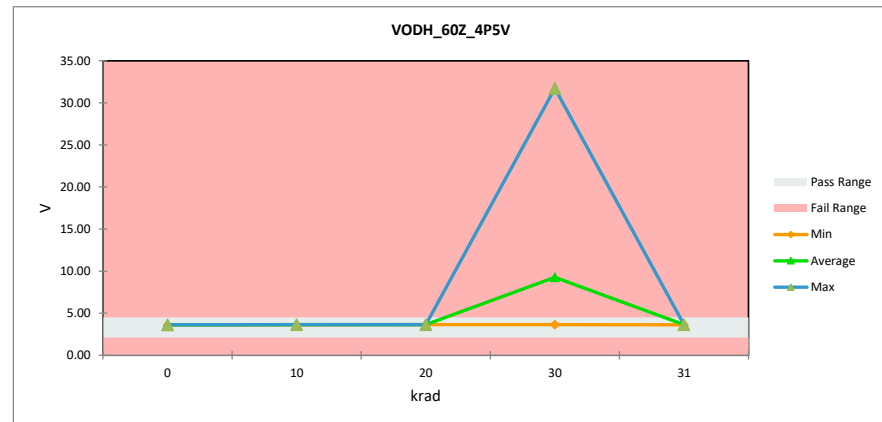
TID Report

THVD9491-SEP

VODH_60Z_4P5V						
Units	V					
Max Limit	4.5					
Min Limit	2.1					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	3.598	3.598	0.00	0.00%	0.00%
0	2	3.616	3.617	0.00	0.03%	0.04%
0	3	3.612	3.610	0.00	-0.06%	0.08%
10	4	3.611	3.631	0.02	0.55%	0.83%
10	5	3.613	3.631	0.02	0.50%	0.75%
10	6	3.611	3.636	0.02	0.69%	1.04%
10	7	3.605	3.628	0.02	0.64%	0.96%
10	8	3.613	3.636	0.02	0.64%	0.96%
20	9	3.609	3.646	0.04	1.03%	1.54%
20	10	3.607	3.642	0.03	0.97%	1.46%
20	11	3.607	3.642	0.03	0.97%	1.46%
20	12	3.608	3.647	0.04	1.08%	1.62%
20	13	3.608	3.648	0.04	1.11%	1.67%
30	14	3.603	3.640	0.04	1.03%	1.54%
30	15	3.605	3.650	0.04	1.25%	1.88%
30	16	3.608	3.652	0.04	1.22%	1.83%
30	17	3.608	31.730	28.12	779.43%	1171.75%
30	18	3.611	3.657	0.05	1.27%	1.92%
31	19	3.603	3.628	0.02	0.69%	1.04%
31	20	3.605	3.631	0.03	0.72%	1.08%
31	21	3.608	3.635	0.03	0.75%	1.12%
31	22	3.608	3.632	0.02	0.67%	1.00%
31	23	3.611	3.639	0.03	0.78%	1.17%
	Max	3.616	31.730	28.11	779.43%	1171.75%
	Average	3.608	4.857	1.25	34.61%	52.03%
	Min	3.598	3.598	0.00	-0.06%	0.00%
	Std Dev	0.004	5.858	5.85	162.37%	244.09%



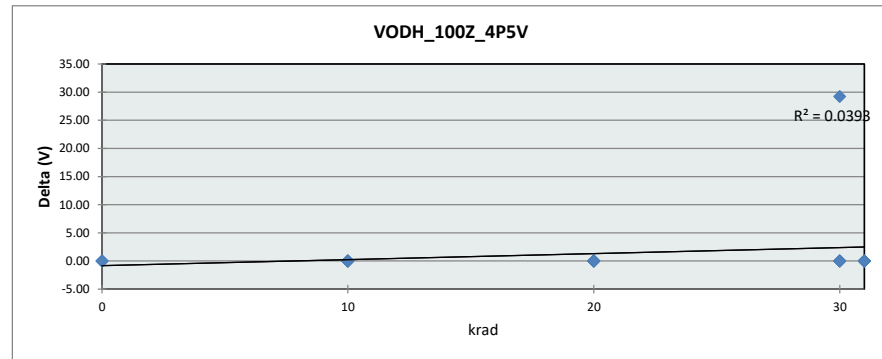
VODH_60Z_4P5V					
Units	V				
Max Limit	4.5				
Min Limit	2.1				
krad	0	10	20	30	31
LL	2.100	2.100	2.100	2.100	2.100
Min	3.598	3.628	3.642	3.640	3.628
Average	3.608	3.632	3.645	9.266	3.633
Max	3.617	3.636	3.648	31.730	3.639
UL	4.500	4.500	4.500	4.500	4.500



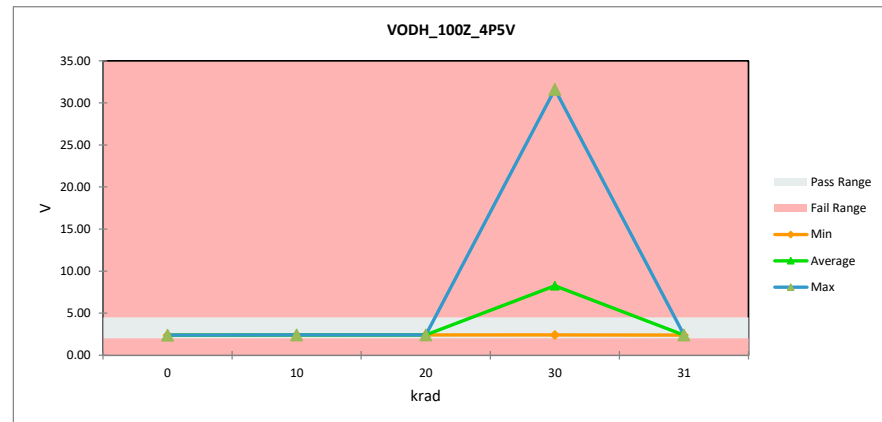
TID Report

THVD9491-SEP

VODH_100Z_4P5V						
Units	V					
Max Limit	4.5					
Min Limit	2					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.385	2.384	0.00	-0.04%	0.04%
0	2	2.396	2.396	0.00	0.00%	0.00%
0	3	2.392	2.392	0.00	0.00%	0.00%
10	4	2.392	2.405	0.01	0.54%	0.52%
10	5	2.393	2.406	0.01	0.54%	0.52%
10	6	2.392	2.408	0.02	0.67%	0.64%
10	7	2.389	2.405	0.02	0.67%	0.64%
10	8	2.392	2.408	0.02	0.67%	0.64%
20	9	2.390	2.415	0.02	1.05%	1.00%
20	10	2.390	2.412	0.02	0.92%	0.88%
20	11	2.390	2.412	0.02	0.92%	0.88%
20	12	2.390	2.414	0.02	1.00%	0.96%
20	13	2.390	2.416	0.03	1.09%	1.04%
30	14	2.387	2.411	0.02	1.01%	0.96%
30	15	2.388	2.416	0.03	1.17%	1.12%
30	16	2.390	2.418	0.03	1.17%	1.12%
30	17	2.390	2.418	0.03	1.17%	1.12%
30	18	2.393	31.620	29.23	1221.35%	1169.08%
31	19	2.387	2.402	0.02	0.63%	0.60%
31	20	2.388	2.405	0.02	0.71%	0.68%
31	21	2.390	2.407	0.02	0.71%	0.68%
31	22	2.390	2.406	0.02	0.67%	0.64%
31	23	2.393	2.410	0.02	0.71%	0.68%
	Max	2.396	31.620	29.22	1221.35%	1169.08%
	Average	2.390	3.678	1.29	53.80%	51.50%
	Min	2.385	2.384	0.00	-0.04%	0.00%
	Std Dev	0.002	6.091	6.09	254.52%	243.62%

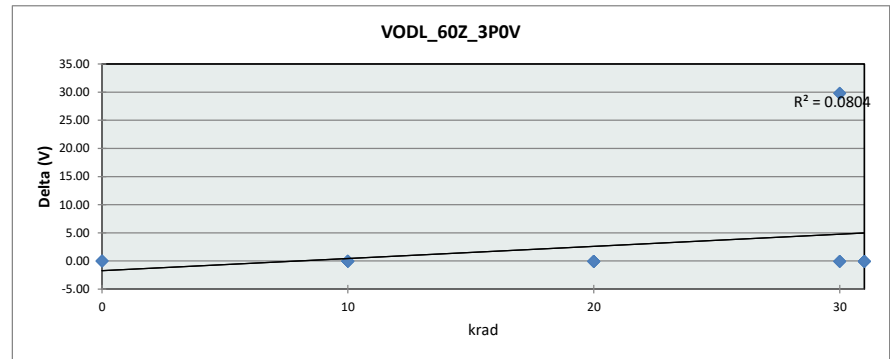


VODH_100Z_4P5V					
Units	V				
Max Limit	4.5				
Min Limit	2				
krad	0	10	20	30	31
LL	2.000	2.000	2.000	2.000	2.000
Min	2.384	2.405	2.412	2.411	2.402
Average	2.391	2.406	2.414	8.257	2.406
Max	2.396	2.408	2.416	31.620	2.410
UL	4.500	4.500	4.500	4.500	4.500

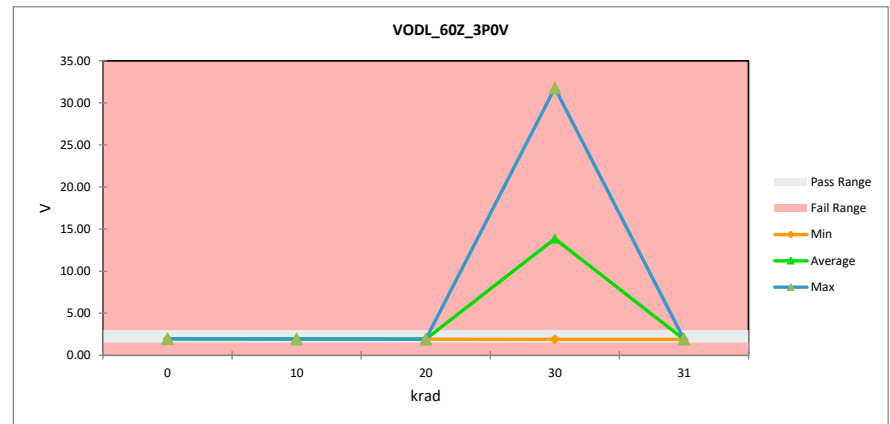


TID Report THVD9491-SEP

VODL_60Z_3POV						
Units	V					
Max Limit	3					
Min Limit	1.5					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.952	1.952	0.00	0.00%	0.00%
0	2	1.971	1.970	0.00	-0.05%	0.07%
0	3	1.965	1.963	0.00	-0.10%	0.13%
10	4	1.966	1.928	-0.04	-1.93%	2.53%
10	5	1.966	1.929	-0.04	-1.88%	2.47%
10	6	1.963	1.930	-0.03	-1.68%	2.20%
10	7	1.957	1.924	-0.03	-1.69%	2.20%
10	8	1.967	1.939	-0.03	-1.42%	1.87%
20	9	1.962	1.915	-0.05	-2.40%	3.13%
20	10	1.960	1.907	-0.05	-2.70%	3.53%
20	11	1.958	1.909	-0.05	-2.50%	3.27%
20	12	1.959	1.915	-0.04	-2.25%	2.93%
20	13	1.960	1.919	-0.04	-2.09%	2.73%
30	14	1.954	1.890	-0.06	-3.28%	4.27%
30	15	1.958	31.774	29.82	1522.78%	1987.74%
30	16	1.959	1.902	-0.06	-2.91%	3.80%
30	17	1.961	1.905	-0.06	-2.86%	3.73%
30	18	1.963	31.772	29.81	1518.53%	1987.25%
31	19	1.954	1.890	-0.06	-3.28%	4.27%
31	20	1.958	1.897	-0.06	-3.12%	4.07%
31	21	1.959	1.897	-0.06	-3.16%	4.13%
31	22	1.961	1.897	-0.06	-3.26%	4.27%
31	23	1.963	1.907	-0.06	-2.85%	3.73%
	Max	1.971	31.774	29.80	1522.78%	1987.74%
	Average	1.961	4.514	2.55	130.26%	175.41%
	Min	1.952	1.890	-0.06	-3.28%	0.00%
	Std Dev	0.005	8.601	8.60	438.73%	571.79%



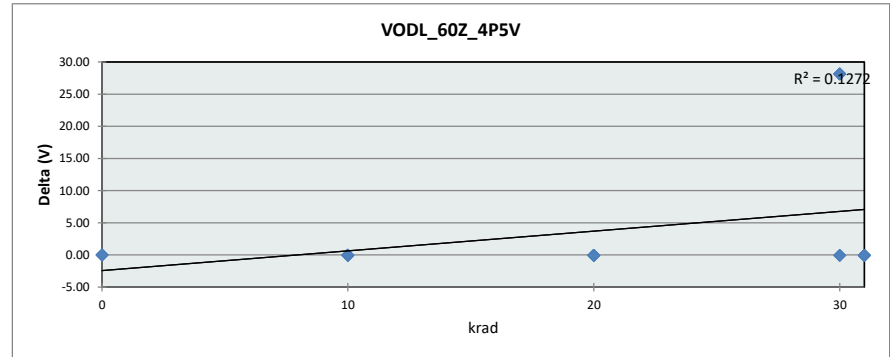
VODL_60Z_3POV					
Units	V				
Max Limit	3				
Min Limit	1.5				
krad	0	10	20	30	31
LL	1.500	1.500	1.500	1.500	1.500
Min	1.952	1.924	1.907	1.890	1.890
Average	1.962	1.930	1.913	13.849	1.898
Max	1.970	1.939	1.919	31.774	1.907
UL	3.000	3.000	3.000	3.000	3.000



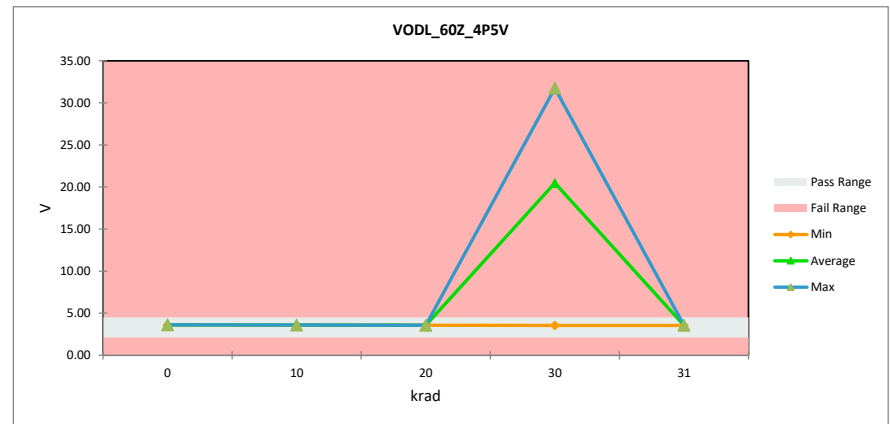
TID Report

THVD9491-SEP

VODL_60Z_4P5V						
Units	V					
Max Limit	4.5					
Min Limit	2.1					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	3.603	3.602	0.00	-0.03%	0.04%
0	2	3.619	3.619	0.00	0.00%	0.00%
0	3	3.614	3.614	0.00	0.00%	0.00%
10	4	3.616	3.580	-0.04	-1.00%	1.50%
10	5	3.615	3.581	-0.03	-0.94%	1.42%
10	6	3.613	3.583	-0.03	-0.83%	1.25%
10	7	3.607	3.576	-0.03	-0.86%	1.29%
10	8	3.617	3.591	-0.03	-0.72%	1.08%
20	9	3.613	3.565	-0.05	-1.33%	2.00%
20	10	3.610	3.558	-0.05	-1.44%	2.17%
20	11	3.608	3.558	-0.05	-1.39%	2.08%
20	12	3.609	3.565	-0.04	-1.22%	1.83%
20	13	3.609	3.567	-0.04	-1.16%	1.75%
30	14	3.604	31.756	28.15	781.13%	1172.99%
30	15	3.608	3.553	-0.06	-1.52%	2.29%
30	16	3.610	31.753	28.14	779.59%	1172.63%
30	17	3.611	31.754	28.14	779.38%	1172.64%
30	18	3.614	3.563	-0.05	-1.41%	2.12%
31	19	3.604	3.544	-0.06	-1.66%	2.50%
31	20	3.608	3.549	-0.06	-1.64%	2.46%
31	21	3.610	3.551	-0.06	-1.63%	2.46%
31	22	3.611	3.550	-0.06	-1.69%	2.54%
31	23	3.614	3.559	-0.05	-1.52%	2.29%
	Max	3.619	31.756	28.14	781.13%	1172.99%
	Average	3.611	7.247	3.64	100.79%	154.41%
	Min	3.603	3.544	-0.06	-1.69%	0.00%
	Std Dev	0.004	9.705	9.70	268.98%	403.27%

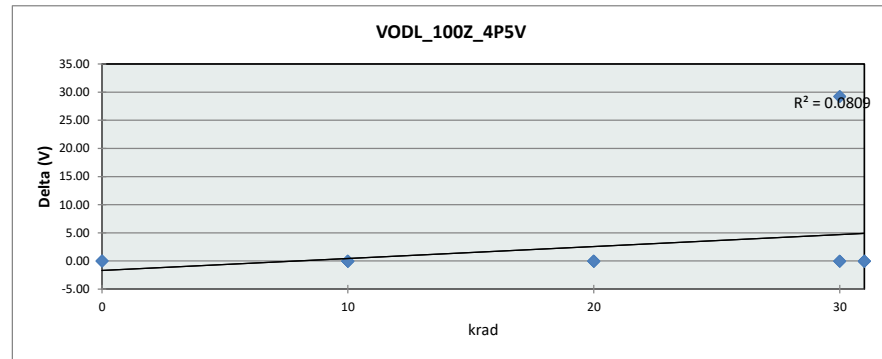


VODL_60Z_4P5V					
Units	V				
Max Limit	4.5				
Min Limit	2.1				
krad	0	10	20	30	31
LL	2.100	2.100	2.100	2.100	2.100
Min	3.602	3.576	3.558	3.553	3.544
Average	3.612	3.582	3.563	20.476	3.551
Max	3.619	3.591	3.567	31.756	3.559
UL	4.500	4.500	4.500	4.500	4.500

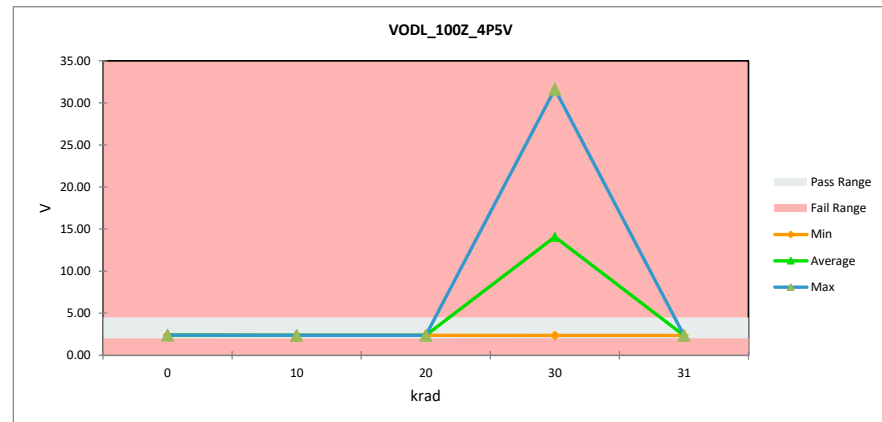


TID Report THVD9491-SEP

VODL_100Z_4P5V						
Units	V					
Max Limit	4.5					
Min Limit	2					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.388	2.388	0.00	0.00%	0.00%
0	2	2.398	2.398	0.00	0.00%	0.00%
0	3	2.394	2.393	0.00	-0.04%	0.04%
10	4	2.395	2.372	-0.02	-0.96%	0.92%
10	5	2.395	2.373	-0.02	-0.92%	0.88%
10	6	2.394	2.374	-0.02	-0.84%	0.80%
10	7	2.390	2.371	-0.02	-0.79%	0.76%
10	8	2.396	2.379	-0.02	-0.71%	0.68%
20	9	2.393	2.366	-0.03	-1.13%	1.08%
20	10	2.392	2.362	-0.03	-1.25%	1.20%
20	11	2.391	2.362	-0.03	-1.21%	1.16%
20	12	2.391	2.366	-0.02	-1.05%	1.00%
20	13	2.392	2.368	-0.02	-1.00%	0.96%
30	14	2.388	2.352	-0.04	-1.51%	1.44%
30	15	2.390	31.637	29.25	1223.74%	1169.89%
30	16	2.391	2.358	-0.03	-1.38%	1.32%
30	17	2.393	2.360	-0.03	-1.38%	1.32%
30	18	2.393	31.637	29.24	1222.06%	1169.76%
31	19	2.388	2.352	-0.04	-1.51%	1.44%
31	20	2.390	2.356	-0.03	-1.42%	1.36%
31	21	2.391	2.356	-0.04	-1.46%	1.40%
31	22	2.393	2.356	-0.04	-1.55%	1.48%
31	23	2.393	2.361	-0.03	-1.34%	1.28%
	Max	2.398	31.637	29.24	1223.74%	1169.89%
	Average	2.392	4.913	2.52	105.41%	102.62%
	Min	2.388	2.352	-0.04	-1.55%	0.00%
	Std Dev	0.003	8.433	8.43	352.62%	336.75%



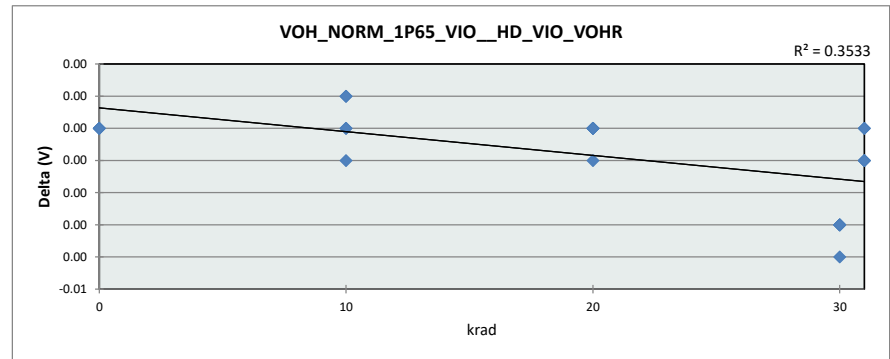
VODL_100Z_4P5V					
Units	V				
Max Limit	4,5				
Min Limit	2				
krad	0	10	20	30	31
LL	2.000	2.000	2.000	2.000	2.000
Min	2.388	2.371	2.362	2.352	2.352
Average	2.393	2.374	2.365	14.069	2.356
Max	2.398	2.379	2.368	31.637	2.361
UL	4.500	4.500	4.500	4.500	4.500



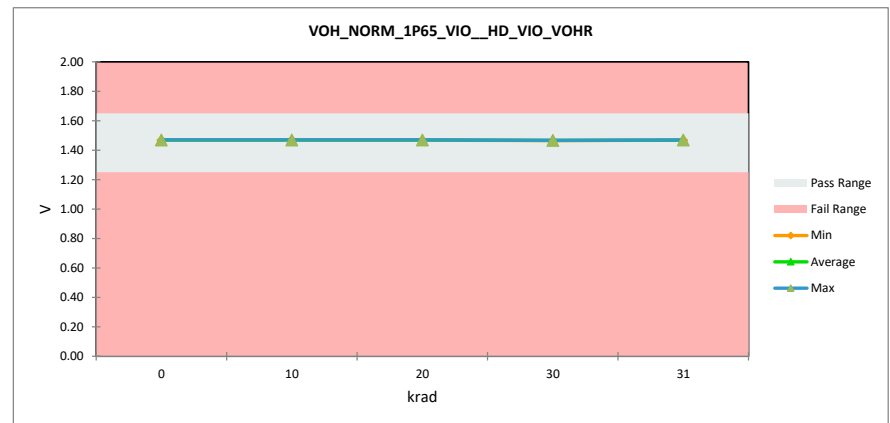
TID Report

THVD9491-SEP

		VOH_NORM_1P65_VIO				
Units		V				
Max Limit		1.65				
Min Limit		1.25				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.468	1.468	0.00	0.00%	0.00%
0	2	1.470	1.470	0.00	0.00%	0.00%
0	3	1.469	1.469	0.00	0.00%	0.00%
10	4	1.470	1.469	0.00	-0.07%	0.25%
10	5	1.470	1.470	0.00	0.00%	0.00%
10	6	1.468	1.469	0.00	0.07%	0.25%
10	7	1.470	1.470	0.00	0.00%	0.00%
10	8	1.469	1.470	0.00	0.07%	0.25%
20	9	1.469	1.469	0.00	0.00%	0.00%
20	10	1.469	1.468	0.00	-0.07%	0.25%
20	11	1.469	1.469	0.00	0.00%	0.00%
20	12	1.469	1.469	0.00	0.00%	0.00%
20	13	1.470	1.470	0.00	0.00%	0.00%
30	14	1.469	1.465	0.00	-0.27%	1.00%
30	15	1.470	1.467	0.00	-0.20%	0.75%
30	16	1.468	1.465	0.00	-0.20%	0.75%
30	17	1.469	1.466	0.00	-0.20%	0.75%
30	18	1.470	1.467	0.00	-0.20%	0.75%
31	19	1.469	1.469	0.00	0.00%	0.00%
31	20	1.470	1.469	0.00	-0.07%	0.25%
31	21	1.468	1.468	0.00	0.00%	0.00%
31	22	1.469	1.468	0.00	-0.07%	0.25%
31	23	1.470	1.469	0.00	-0.07%	0.25%
	Max	1.470	1.470	0.00	0.07%	1.00%
	Average	1.469	1.468	0.00	-0.06%	0.25%
	Min	1.468	1.465	0.00	-0.27%	1.00%
	Std Dev	0.001	0.001	0.00	0.10%	0.32%



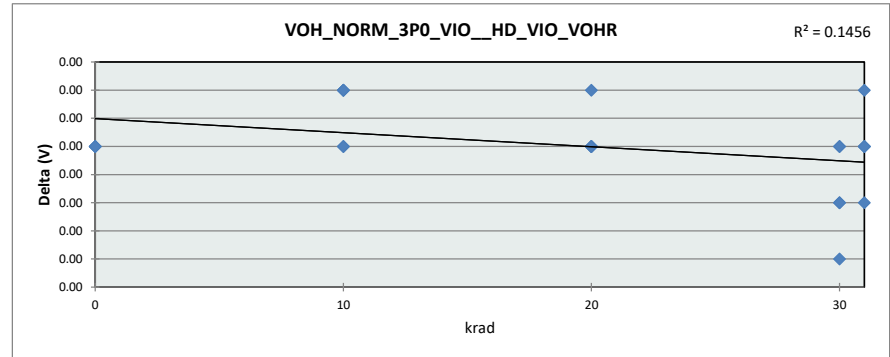
		VOH_NORM_1P65_VIO								
Units		V								
Max Limit		1.65								
Min Limit		1.25								
krad	LL	Min	Average	Max	UL	0	10	20	30	31
	LL	1.250	1.250	1.250	1.250	1.250	1.250	1.250	1.250	1.250
	Min	1.468	1.469	1.468	1.465	1.468	1.469	1.468	1.466	1.468
	Average	1.469	1.470	1.469	1.466	1.469	1.470	1.469	1.466	1.469
	Max	1.470	1.470	1.470	1.467	1.470	1.470	1.467	1.467	1.469
	UL	1.650	1.650	1.650	1.650	1.650	1.650	1.650	1.650	1.650



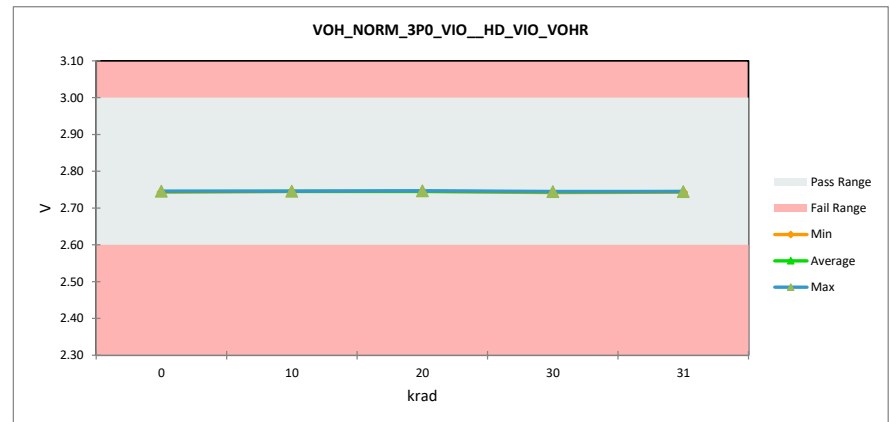
TID Report

THVD9491-SEP

		VOH_NORM_3P0_VIO_H				
Units		V				
Max Limit		3				
Min Limit		2.6				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.743	2.743	0.00	0.00%	0.00%
0	2	2.746	2.746	0.00	0.00%	0.00%
0	3	2.745	2.745	0.00	0.00%	0.00%
10	4	2.745	2.745	0.00	0.00%	0.00%
10	5	2.745	2.745	0.00	0.00%	0.00%
10	6	2.744	2.745	0.00	0.04%	0.25%
10	7	2.745	2.746	0.00	0.04%	0.25%
10	8	2.745	2.746	0.00	0.04%	0.25%
20	9	2.745	2.745	0.00	0.00%	0.00%
20	10	2.745	2.745	0.00	0.00%	0.00%
20	11	2.745	2.745	0.00	0.00%	0.00%
20	12	2.745	2.745	0.00	0.00%	0.00%
20	13	2.746	2.747	0.00	0.04%	0.25%
30	14	2.745	2.743	0.00	-0.07%	0.50%
30	15	2.746	2.745	0.00	-0.04%	0.25%
30	16	2.743	2.742	0.00	-0.04%	0.25%
30	17	2.744	2.744	0.00	0.00%	0.00%
30	18	2.745	2.745	0.00	0.00%	0.00%
31	19	2.745	2.745	0.00	0.00%	0.00%
31	20	2.746	2.745	0.00	-0.04%	0.25%
31	21	2.743	2.743	0.00	0.00%	0.00%
31	22	2.744	2.745	0.00	0.04%	0.25%
31	23	2.745	2.745	0.00	0.00%	0.00%
	Max	2.746	2.747	0.00	0.04%	0.50%
	Average	2.745	2.745	0.00	0.00%	0.11%
	Min	2.743	2.742	0.00	-0.07%	0.00%
	Std Dev	0.001	0.001	0.00	0.03%	0.15%



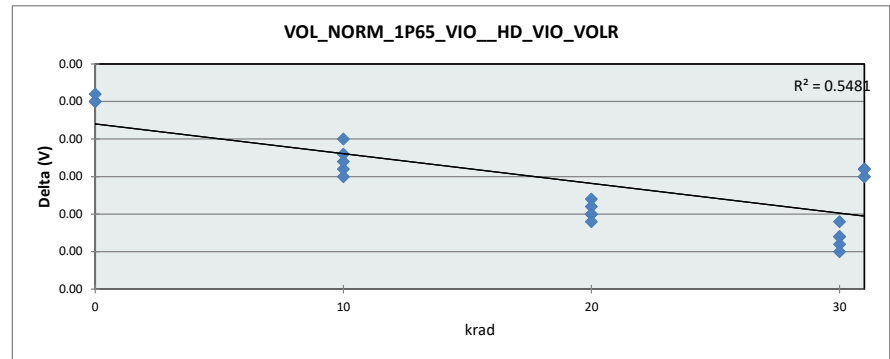
		VOH_NORM_3P0_VIO_H				
Units		V				
Max Limit		3				
Min Limit		2.6				
krad		0	10	20	30	31
LL		2.600	2.600	2.600	2.600	2.600
Min		2.743	2.745	2.745	2.742	2.743
Average		2.745	2.745	2.745	2.744	2.745
Max		2.746	2.746	2.747	2.745	2.745
UL		3.000	3.000	3.000	3.000	3.000



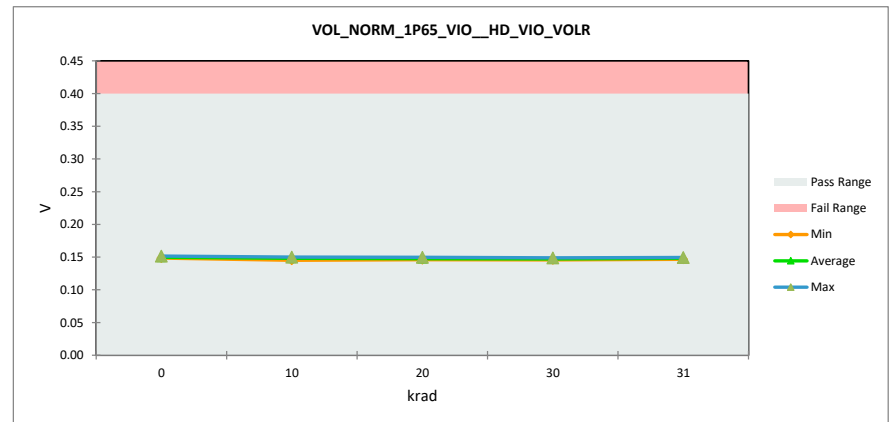
TID Report

THVD9491-SEP

		VOL_NORM_1P65_VIO_				
Units		V				
Max Limit		0.4				
Min Limit		0				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.152	0.152	0.00	0.00%	0.00%
0	2	0.149	0.149	0.00	0.00%	0.00%
0	3	0.148	0.149	0.00	0.07%	0.02%
10	4	0.148	0.148	0.00	-0.34%	0.13%
10	5	0.151	0.150	0.00	-0.46%	0.18%
10	6	0.149	0.148	0.00	-0.60%	0.23%
10	7	0.150	0.150	0.00	-0.53%	0.20%
10	8	0.146	0.145	0.00	-0.68%	0.25%
20	9	0.149	0.147	0.00	-1.01%	0.38%
20	10	0.149	0.148	0.00	-0.87%	0.32%
20	11	0.151	0.150	0.00	-0.93%	0.35%
20	12	0.148	0.146	0.00	-1.02%	0.38%
20	13	0.148	0.147	0.00	-1.08%	0.40%
30	14	0.151	0.149	0.00	-1.06%	0.40%
30	15	0.149	0.147	0.00	-1.28%	0.48%
30	16	0.149	0.148	0.00	-1.20%	0.45%
30	17	0.148	0.146	0.00	-1.22%	0.45%
30	18	0.149	0.147	0.00	-1.34%	0.50%
31	19	0.151	0.150	0.00	-0.66%	0.25%
31	20	0.149	0.148	0.00	-0.61%	0.23%
31	21	0.149	0.149	0.00	-0.60%	0.23%
31	22	0.148	0.147	0.00	-0.68%	0.25%
31	23	0.149	0.148	0.00	-0.60%	0.23%
	Max	0.152	0.152	0.00	0.07%	0.50%
	Average	0.149	0.148	0.00	-0.73%	0.27%
	Min	0.146	0.145	0.00	-1.34%	0.00%
	Std Dev	0.001	0.002	0.00	0.41%	0.15%



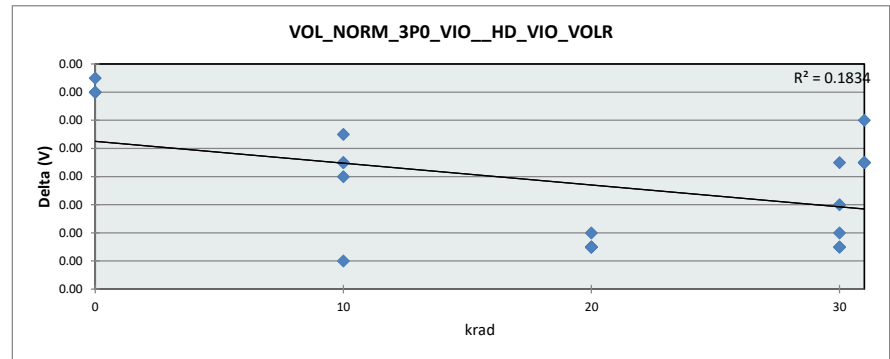
		VOL_NORM_1P65_VIO				
Units		V				
Max Limit		0.4				
Min Limit		0				
krad		0	10	20	30	31
LL		0.000	0.000	0.000	0.000	0.000
Min		0.149	0.145	0.146	0.146	0.147
Average		0.150	0.148	0.148	0.147	0.148
Max		0.152	0.150	0.150	0.149	0.150
UL		0.400	0.400	0.400	0.400	0.400



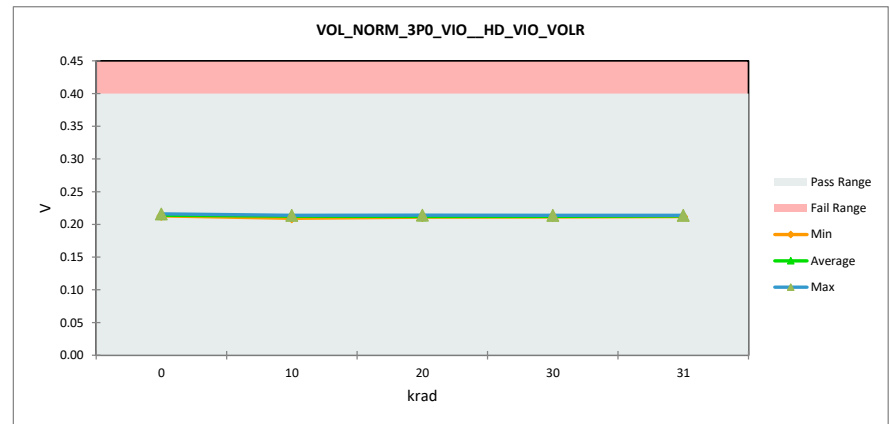
TID Report

THVD9491-SEP

		VOL_NORM_3P0_VIO_HI				
Units		V				
Max Limit		0.4				
Min Limit		0				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.216	0.216	0.00	0.00%	0.00%
0	2	0.213	0.213	0.00	0.05%	0.02%
0	3	0.213	0.213	0.00	0.00%	0.00%
10	4	0.212	0.212	0.00	-0.14%	0.07%
10	5	0.214	0.214	0.00	-0.28%	0.15%
10	6	0.214	0.213	0.00	-0.23%	0.13%
10	7	0.214	0.214	0.00	-0.23%	0.13%
10	8	0.211	0.209	0.00	-0.57%	0.30%
20	9	0.213	0.212	0.00	-0.47%	0.25%
20	10	0.214	0.213	0.00	-0.51%	0.28%
20	11	0.215	0.214	0.00	-0.51%	0.27%
20	12	0.212	0.211	0.00	-0.52%	0.27%
20	13	0.212	0.211	0.00	-0.52%	0.28%
30	14	0.214	0.214	0.00	-0.23%	0.13%
30	15	0.212	0.211	0.00	-0.52%	0.28%
30	16	0.214	0.213	0.00	-0.51%	0.27%
30	17	0.212	0.212	0.00	-0.38%	0.20%
30	18	0.213	0.212	0.00	-0.47%	0.25%
31	19	0.214	0.214	0.00	-0.23%	0.13%
31	20	0.212	0.212	0.00	-0.09%	0.05%
31	21	0.214	0.214	0.00	-0.23%	0.13%
31	22	0.212	0.212	0.00	-0.24%	0.13%
31	23	0.213	0.212	0.00	-0.23%	0.13%
	Max	0.216	0.216	0.00	0.05%	0.30%
	Average	0.213	0.213	0.00	-0.31%	0.17%
	Min	0.211	0.209	0.00	-0.57%	0.00%
	Std Dev	0.001	0.001	0.00	0.19%	0.10%



		VOL_NORM_3P0_VIO_H				
Units		V				
Max Limit		0.4				
Min Limit		0				
krad		0	10	20	30	31
LL		0.000	0.000	0.000	0.000	0.000
Min		0.213	0.209	0.211	0.211	0.212
Average		0.214	0.212	0.212	0.212	0.213
Max		0.216	0.214	0.214	0.214	0.214
UL		0.400	0.400	0.400	0.400	0.400



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