

# TPS50601A-SP Total Ionizing Dose (TID) Radiation Report

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## ABSTRACT

This report discusses the results of the Total Ionizing Dose (TID) testing for the Texas Instruments 3.0-V to 7.0-V, 6-A synchronous buck converter TPS50601A-SP. The study was done to determine TID effects under low dose rate (LDR) and high dose rate (HDR) up to 100 krad(Si). The results show that all samples passed within the specified limits up to 100 krad(Si).

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## Trademarks

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## 1 Device Information

### 1.1 Product Description

The TPS50601A-SP is a radiation hardened, 3.0-V to 7.0-V, 6-A synchronous buck converter, which is optimized for small designs through high efficiency and integrating the high-side and low-side MOSFETs. Further space savings are achieved through current mode control, which reduces component count, and a high switching frequency, reducing the footprint of the inductor. The devices are offered in an ultra small, thermally enhanced 20-pin ceramic flatpack package.

## 1.2 Device Details

Table 1 lists the device information used in the initial TID LDR/HDR characterization.

**Table 1. Device and Exposure Details**

TID HDR/LDR Details: up to 100 krad(Si)	
Package	20-pin CFP (HKH)
Technology	LBC7
Quantity Tested	LDR - 67, HDR - 77
Lot Accept/Reject	All levels tested and passed upto 150 krad(Si) (HDR) and 100 krad(Si) (LDR)
LDR Radiation Facility	RAD/Aeroflex in Colorado Springs, Colorado
LDR Dose Level	3 krad(Si), 10 krad(Si), 30 krad(Si), 50 krad(Si), 100 krad(Si)
LDR Dose Rate	0.01 rad(Si)/s
LDR Radiation Source	Gammacell JLSA GB150 Co-60
HDR Radiation Facility	Texas Instruments SVA Group, Santa Clara, CA
HDR Dose Level	3 krad(Si), 10 krad(Si), 30 krad(Si), 50 krad(Si), 100 krad(Si), 150 krad(Si) (rebound test)
HDR Dose Rate	84 rad(Si)/s
HDR Radiation Source	Gammacell 220 Excel (GC-220E) Co-60
Irradiation Temperature	Ambient, room temperature



**Figure 1. TPS50601A Devices Used in Exposure**

## 2 Total Dose Test Setup

### 2.1 Test Overview

The TPS50601A-SP was tested according to MIL-STD-883, Test Method 1019.9. For this testing, Conditions A and D was used. For this test, the product was irradiated up to the target radiation level and then put through full electrical parametric testing on the production Automated Test Equipment (ATE). The device was functional and passed all parametric tests.

### 2.2 Test Description and Facilities

The TPS50601A-SP LDR exposure was performed on biased and unbiased devices in a Co60 gamma cell under a 10-mrad(Si)/s exposure rate. The dose rate of the irradiator used in the exposure ranges from < 10 mrad(Si)/s to a maximum of approximately 84 rad(Si)/s, determined by the distance from the source. For the LDR (10 mrad(Si)/s) exposure, the test box was positioned approximately 2 m from the source. The exposure boards are housed in a lead-aluminum box (as specified in MIL-STD-883 TM 1019.9) to harden the gamma spectrum and minimize dose enhancement effects. The irradiator calibration is maintained by Logmire Laboratories using Thermoluminescence Dosimeters (TLDs) traceable to the National Institute of Standards and Technology (NIST) and the dosimetry was verified using TLDs prior to the radiation exposures. After exposure, the devices were packed in dry ice (per MIL-STD-883 Method 1019.9 section 3.10) and returned to TI Dallas for a full post radiation electrical evaluation using Texas Instruments production Automated Test Equipment (ATE). ATE guard band test limits are set within SMD electrical limits to ensure a minimum Cpk and test error margin based on initial qualification and characterization data. Post radiation measurements were taken within 30 minutes of removal of the devices from the dry ice container. The devices were allowed to reach room temperature prior to electrical post radiation measurements.

The TPS50601A-SP HDR exposure was performed on biased and unbiased devices in a Co-60 gamma cell at TI SVA facility in Santa Clara California. The un-attenuated dose rate of this cell is 84 rad(Si)/s. After exposure, the devices were packed in dry ice (per MIL-STD-883 Method 1019.9 section 3.10) and returned to TI Dallas for a full post radiation electrical evaluation using Texas Instruments Automated Test Equipment (ATE). ATE guard band test limits are set within SMD electrical limits to ensure a minimum Cpk and test error margin based on initial qualification and characterization data. Post radiation measurements were taken within 30 minutes of removal of the devices from the dry ice container. The devices were allowed to reach room temperature prior to electrical post radiation measurements.

### 2.3 Test Setup Details

The devices under HDR and LDR exposure were tested in both biased and unbiased conditions in two conditions as described as follows.

#### 2.3.1 Unbiased

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

#### 2.3.2 Biased

Figure 2 shows the diagram for HDR and LDR exposure with biased condition.

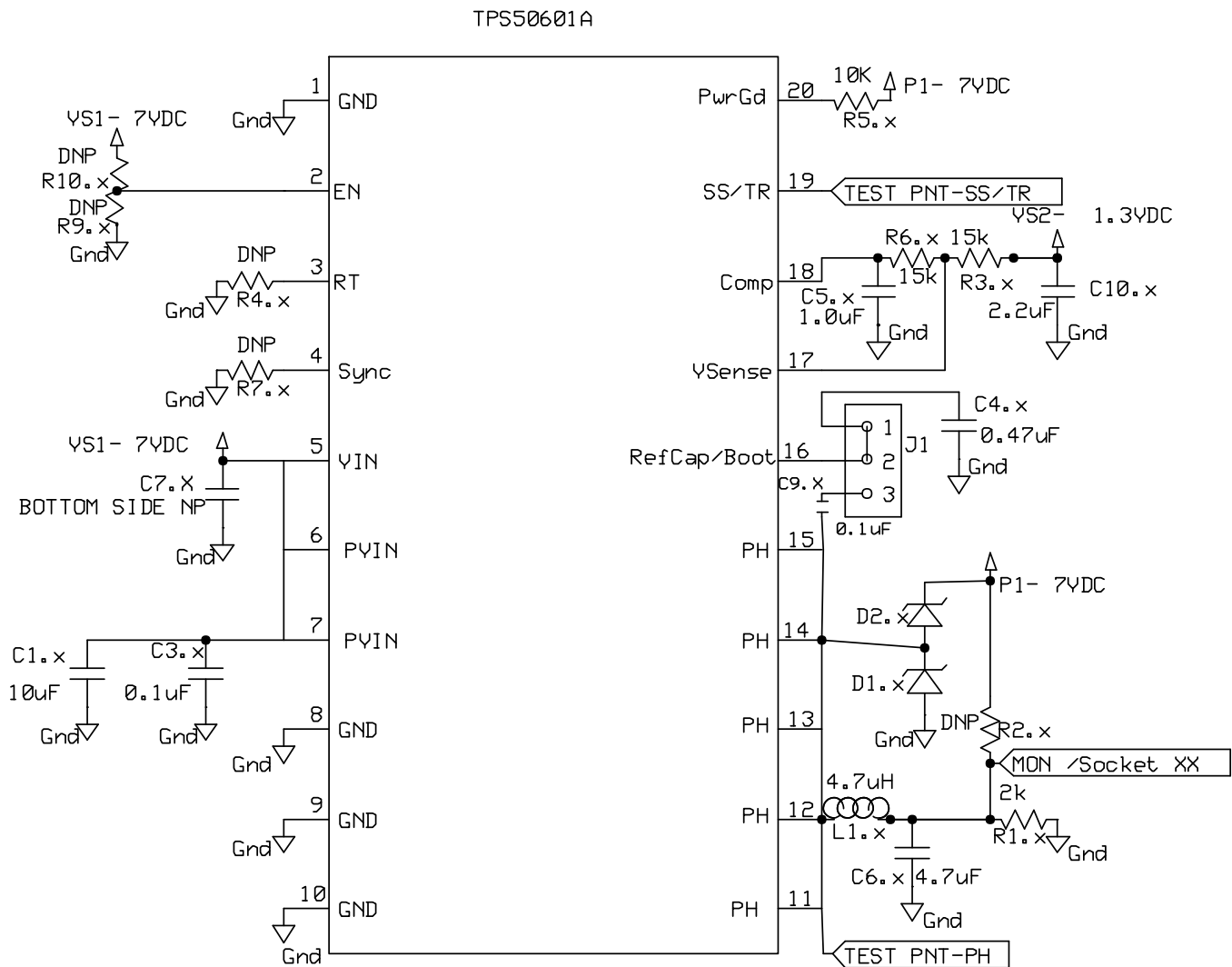


Figure 2. Bias Diagram Used in TID Exposure

## 2.4 Test Configuration and Condition

LDR devices were stressed at 3 krad(Si), 10 krad(Si), 30 krad(Si), 50 krad(Si), and 100 krad(Si) for biased and unbiased conditions. HDR devices were stressed at 3 krad(Si), 10 krad(Si), 30 krad(Si), 50 krad(Si), 100 krad(Si), and 150 krad(Si) for biased and unbiased conditions.

**Table 2. HDR ≤ 50–100 rad(Si)/s Biased Device Information (HDR)**

Total Samples: 10					
Exposure Levels:					
3 krad(Si)	10 krad(Si)	30 krad(Si)	50 krad(Si)	100 krad(Si)	150 krad(Si)
1, 2, 3, 4, 5	15, 16, 17, 18, 20	27, 28, 29, 30, 32	39, 40, 41, 42, 43	51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 64, 66, 67, 69, 71, 72, 73, 74, 75, 76	84, 86, 87, 88, 89

**Table 3. HDR ≤ 50–100 rad(Si)/s Unbiased Device Information (HDR)**

Total Samples: 10					
Exposure Levels:					
3 krad(Si)	10 krad(Si)	30 krad(Si)	50 krad(Si)	100 krad(Si)	150 krad(Si)
8,10, 11, 12, 14	22, 23, 24, 25, 26	33, 34, 35, 36, 37	44, 45, 46, 47, 49	78, 79, 80, 81, 83	90, 91, 93, 95, 96

**Table 4. LDR = 10 mrad(Si)/s Biased Exposure Information (LDR)**

Total Samples: 10/dose level (5 biased + 5 unbiased)					
Exposure Levels:					
3 krad(Si)	10 krad(Si)	30 krad(Si)	50 krad(Si)	100 krad(Si)	
168, 169, 170, 171, 172	168, 169, 170, 171, 172	168, 169, 170, 171, 172	168, 169, 170, 171, 172	175, 176, 177, 178, 181, 182, 183, 184, 186, 187, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200	

**Table 5. LDR = 10 mrad(Si)/s Unbiased Exposure Information (LDR)**

Total Samples: 10/dose level (5 biased + 5 unbiased)					
Exposure Levels:					
3 krad(Si)	10 krad(Si)	30 krad(Si)	50 krad(Si)	100 krad(Si)	
160, 162, 163, 165, 167	160, 162, 163, 165, 167	160, 162, 163, 165, 167	160, 162, 163, 165, 167	201, 202, 203, 204, 206	

### 3 TID Characterization Test Results

#### 3.1 TID Characterization Summary Results

The parametric data for the TPS50601A-SP passes up to 100-krad(Si) LDR and 100-krad(Si) HDR TID. The HDR 150-krad(Si) rebound test with 100C/168 hrs anneal passed all post tests.

The drift of SMD electrical parameters through LDR and HDR were within the pre-rad characterization limits.

Overall the TPS50601A-SP showed a strong degree of hardness to TID LDR and HDR irradiation up to 100 krad(Si) for both biased and unbiased exposure conditions. Performance is measured based on the measured difference between pre and post irradiation with respect to SMD electrical min-max specification. The measurements taken post irradiation for each sample set showed marginal shift for most parameters at each dose level for both biased and unbiased. The parameters that did show a greater degree of change between pre and post irradiation were still within the SMD electrical specification. The table below the graphs show the minimum and maximum values measured post irradiation only for each sample set and the average of that sample set at each dose level.

See [Appendix A](#) and [Appendix B](#) for graphs and drifts.

### 3.2 Specification Compliance Matrix

**Table 6. TPS50601A-SP Specification Compliance Matrix**

Parameter	Test Condition	TPS50601A-SP Data Sheet				Test #
		MIN	TYP	MAX	Unit	
PVIN internal UVLO threshold	PVIN rising		2.5		V	104.1
PVIN internal UVLO hysteresis			450		mV	106.1
VIN internal UVLO threshold	VIN rising		2.75	3	V	810.1
VIN internal UVLO hysteresis			150		mV	813.1
VIN shutdown supply current	VEN = 0 V		1.35	2.5	mA	42.1, 37.1
VIN operating – non switching supply current	VSENSE = VBG		5	10	mA	45.1, 33.1
Enable Threshold	Rising		1.14	1.18	V	2700.1, 1700.1
	Falling	1.05	1.11		V	2701.1, 1701.1
Input Current	VEN = 1.1 V		6.1		μA	2704.1, 1704.1
Hysteresis current	VEN = 1.3 V		3		μA	2706.1, 1706.1
Voltage reference		0.792	0.804	0.816	V	9100.1, 9002.1
Error amplifier transconductance (gm)	-2 μA < ICOMP < 2 μA, V(COMP) = 1 V	1000	1400	2000	μS	9007.1, 9008.1
Error amplifier source/sink	V(COMP) = 1 V, 100-mV input overdrive	-250	±115	250	μA	9010.1, 9011.1
Internally set frequency	RT = Open	395	500	585	kHz	7550.1, 2550.1
	RT = 100 kΩ (1%)	395	500	585	kHz	7996.1
	RT = 487 kΩ (1%)	85	100	120	kHz	7993.1
	RT = 47 kΩ (1%)	900	1000	1100	kHz	7994.1
SYNC out low-to-high rise time (10%/90%)	Cload = 25 pF		70	111	ns	2650.1, 7650.1
SYNC out high-to-low fall time (90%/10%)	Cload = 25 pF		6	15.5	ns	2651.1, 7651.1
SYNC out high level threshold	IOH = 50 μA	2			V	7652.1, 7653.1, 2652.1, 2653.1
SYNC out low level threshold	IOL = 50 μA			600	mV	
SYNC in low level threshold	PVIN = VIN = 3 V			900	mV	7995.1, 8003.1
SYNC in high level threshold	PVIN = VIN = 3 V	2.45			V	
SYNC in low level threshold	PVIN = VIN = 7 V			900	mV	9995.1, 10003.1
SYNC in high level threshold	PVIN = VIN = 7 V	4.25			V	
SYNC in frequency range		100		1000	kHz	7995.1, 8003.1, 9995.1, 10003.1
Minimum on time	Measured at 10% to 90% of VIN, 25°C, IPH = 2 A		190	235	ns	7999.1, 9999.1
SS charge current		1.5	2.5	3	μA	8998.1, 8999.1
SS/TR to VSENSE matching	V(SS/TR) = 0.4 V		30	90	mV	9009.1, 9012.1
Output high leakage	VSENSE = Vref, V(PWRGD) = 5 V		30	181	nA	54.1, 541.1
Minimum VIN for valid output	V(PWRGD) < 0.5 V at 100 μA		0.6	1	V	812.1
Minimum SS/TR voltage for PWRGD				1.55	V	2705.1, 1705.1

## 4 Applicable and Reference Documents

### 4.1 Applicable Documents

- TPS50601A-SP 3.0-V to 7.0-V input, 6-A Synchronous Step Down Converter Data Sheet ([SLVSDF5](#))
- [TPS50601A-SP Evaluation Module](#)
- TPS50601A-SP Evaluation Module User's Guide ([SLVUB65](#))

### 4.2 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 at the DLA website.



## ***LDR Total Ionizing Dose Report***

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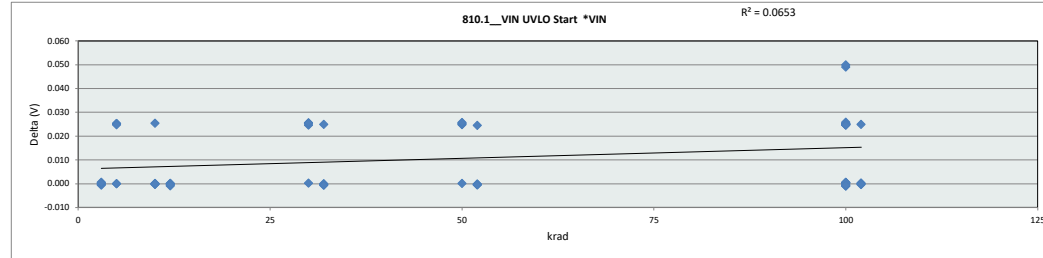
This appendix provides the TPS50601A-SP LDR TID report.

LDR TID Report  
TPS50601A-SP

LDR TID Report  
TPS50601A-SP

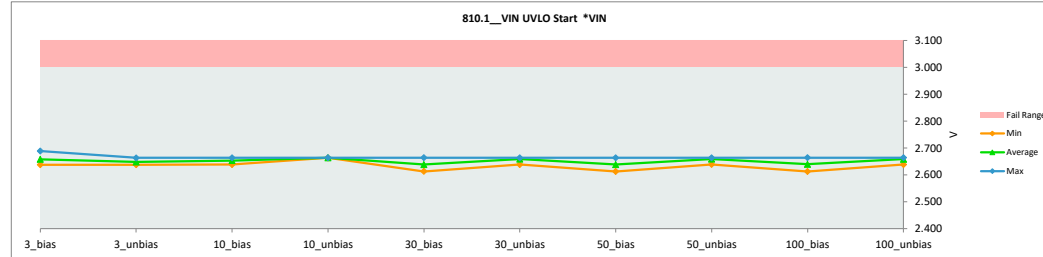
810.1_VIN UVLO Start *VIN			
Test Site	1		1
Tester	ETS364	ETS364	
Test Number	EF823401	EF823401	
Unit	V		V
Max Limit	3		3
Min Limit			

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	2.663	2.663	0.000
3	2	2.663	2.663	-0.001
3	3	2.688	2.689	0.000
3	4	2.638	2.638	0.001
3	5	2.638	2.638	0.000
5	6	2.663	2.638	0.025
5	7	2.663	2.638	0.025
5	8	2.663	2.663	0.000
5	9	2.663	2.663	0.000
5	10	2.663	2.638	0.025
10	11	2.663	2.663	0.000
10	12	2.663	2.663	0.000
10	13	2.688	2.663	0.025
10	14	2.638	2.639	0.000
10	15	2.638	2.638	0.000
12	16	2.663	2.663	0.000
12	17	2.663	2.663	0.000
12	18	2.663	2.663	0.000
12	19	2.663	2.664	-0.001
12	20	2.663	2.663	0.000
30	21	2.663	2.638	0.026
30	22	2.663	2.637	0.025
30	23	2.688	2.664	0.025
30	24	2.638	2.613	0.026
30	25	2.638	2.638	0.000
32	26	2.663	2.663	0.000
32	27	2.663	2.638	0.025
32	28	2.663	2.663	0.000
32	29	2.663	2.663	0.000
32	30	2.663	2.663	-0.001
50	31	2.663	2.638	0.025
50	32	2.663	2.638	0.025
50	33	2.688	2.663	0.025
50	34	2.638	2.613	0.026
50	35	2.638	2.638	0.000
52	36	2.663	2.663	0.000
52	37	2.663	2.638	0.025
52	38	2.663	2.663	0.000
52	39	2.663	2.664	0.000
52	40	2.663	2.663	0.000
100	41	2.638	2.612	0.026
100	42	2.663	2.638	0.025
100	43	2.663	2.664	-0.001
100	44	2.688	2.639	0.049
100	45	2.688	2.663	0.025
100	46	2.663	2.664	-0.001
100	47	2.663	2.638	0.025
100	48	2.638	2.638	0.000
100	49	2.663	2.613	0.050
100	50	2.638	2.638	0.000
100	51	2.663	2.638	0.025
100	52	2.638	2.613	0.025
100	53	2.663	2.663	0.000
100	54	2.638	2.613	0.025
100	55	2.638	2.613	0.025
100	56	2.663	2.638	0.025
100	57	2.663	2.663	0.000
100	58	2.638	2.638	0.000
100	59	2.688	2.663	0.025
100	60	2.638	2.638	0.000
100	61	2.663	2.638	0.025
100	62	2.638	2.639	-0.001
102	63	2.663	2.664	0.000
102	64	2.663	2.638	0.025
102	65	2.663	2.663	0.000
102	66	2.663	2.663	0.000
102	67	2.663	2.663	0.000
Max		2.688	2.689	0.050
Average		2.659	2.648	0.011
Min		2.638	2.612	-0.001
Std Dev		0.015	0.018	0.014



810.1_VIN UVLO Start *VIN			
Test Site	1		1
Tester	ETS364	ETS364	
Test Number	EF823401	EF823401	
Unit	V		V
Max Limit	3		3
Min Limit			

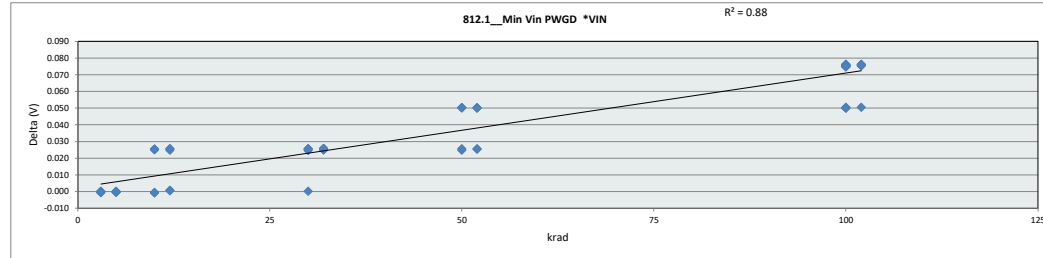
krad	3_bias	3_unbias	10_bias	10_unbias	30_bias	30_unbias	50_bias	50_unbias	100_bias	100_unbias
LL										
Min	2.638	2.638	2.638	2.663	2.613	2.638	2.613	2.639	2.613	2.638
Average	2.658	2.648	2.653	2.663	2.638	2.658	2.638	2.658	2.639	2.658
Max	2.689	2.663	2.663	2.664	2.664	2.663	2.663	2.664	2.664	2.664
UL	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000



LDR TID Report  
TPS50601A-SP

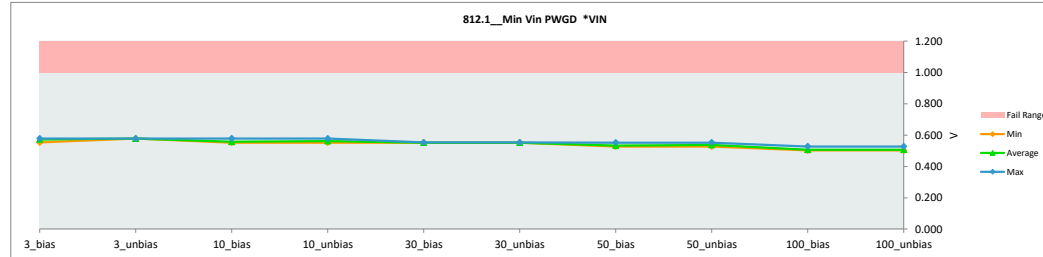
812.1_Min Vin PWGD *VIN	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	V
Max Limit	1
Min Limit	

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	0.552	0.553	-0.001
3	2	0.578	0.578	0.000
3	3	0.578	0.578	0.000
3	4	0.578	0.578	0.000
3	5	0.578	0.578	0.000
5	6	0.578	0.578	0.000
5	7	0.578	0.578	0.000
5	8	0.578	0.578	0.000
5	9	0.578	0.578	0.000
5	10	0.578	0.578	0.000
10	11	0.552	0.553	-0.001
10	12	0.578	0.553	0.025
10	13	0.578	0.553	0.025
10	14	0.578	0.552	0.025
10	15	0.578	0.579	-0.001
12	16	0.578	0.552	0.025
12	17	0.578	0.553	0.025
12	18	0.578	0.577	0.001
12	19	0.578	0.552	0.026
12	20	0.578	0.578	0.000
30	21	0.552	0.552	0.000
30	22	0.578	0.553	0.025
30	23	0.578	0.552	0.026
30	24	0.578	0.553	0.025
30	25	0.578	0.552	0.025
32	26	0.578	0.552	0.026
32	27	0.578	0.553	0.025
32	28	0.578	0.553	0.025
32	29	0.578	0.552	0.026
32	30	0.578	0.552	0.026
50	31	0.552	0.528	0.025
50	32	0.578	0.528	0.050
50	33	0.578	0.552	0.026
50	34	0.578	0.528	0.050
50	35	0.578	0.527	0.050
52	36	0.578	0.528	0.050
52	37	0.578	0.528	0.050
52	38	0.578	0.552	0.026
52	39	0.578	0.528	0.050
52	40	0.578	0.553	0.025
100	41	0.578	0.502	0.076
100	42	0.578	0.502	0.076
100	43	0.578	0.502	0.076
100	44	0.578	0.502	0.076
100	45	0.578	0.503	0.075
100	46	0.578	0.502	0.076
100	47	0.578	0.527	0.050
100	48	0.578	0.502	0.076
100	49	0.578	0.502	0.076
100	50	0.578	0.502	0.076
100	51	0.578	0.502	0.075
100	52	0.578	0.502	0.076
100	53	0.578	0.528	0.050
100	54	0.578	0.502	0.075
100	55	0.578	0.503	0.075
100	56	0.578	0.528	0.050
100	57	0.578	0.502	0.076
100	58	0.578	0.528	0.050
100	59	0.578	0.502	0.075
100	60	0.578	0.502	0.075
100	61	0.578	0.503	0.075
100	62	0.578	0.503	0.075
102	63	0.578	0.502	0.076
102	64	0.578	0.502	0.075
102	65	0.578	0.527	0.050
102	66	0.578	0.502	0.076
102	67	0.578	0.502	0.076
Max		0.578	0.579	0.076
Average		0.576	0.536	0.040
Min		0.552	0.502	-0.001
Std Dev		0.006	0.028	0.029



812.1_Min Vin PWGD *VIN	
Test Site	1
Tester	ETS364
Test Number	EF823401
Max Limit	1
Min Limit	V

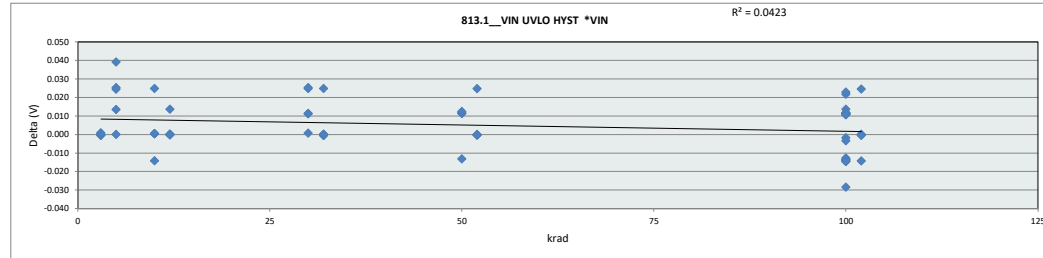
krad	3_bias	3_unbias	10_bias	10_unbias	30_bias	30_unbias	50_bias	50_unbias	100_bias	100_unbias
LL	0.553	0.578	0.552	0.552	0.552	0.552	0.527	0.528	0.502	0.502
Min	0.573	0.578	0.558	0.563	0.553	0.552	0.533	0.538	0.507	0.507
Max	0.578	0.578	0.579	0.578	0.553	0.552	0.553	0.528	0.528	0.527
UL	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000



LDR TID Report  
TPS50601A-SP

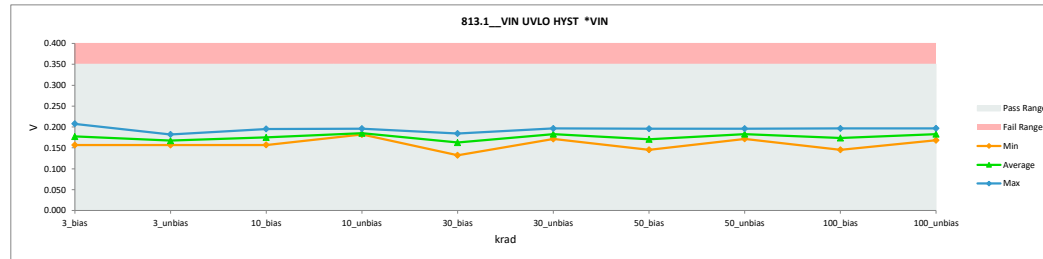
813.1_VIN UVLO HYST *VIN			
Test Site	1		1
Tester	ETS364		ETS364
Test Number	EF823401		EF823401
Unit	V		V
Max Limit	0.35		0.35
Min Limit	0		0

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	0.168	0.169	0.000
3	2	0.196	0.196	-0.001
3	3	0.207	0.208	0.000
3	4	0.158	0.157	0.001
3	5	0.157	0.157	0.000
5	6	0.182	0.157	0.025
5	7	0.196	0.157	0.039
5	8	0.196	0.182	0.013
5	9	0.182	0.182	0.000
5	10	0.182	0.158	0.024
10	11	0.168	0.183	-0.014
10	12	0.196	0.195	0.000
10	13	0.207	0.183	0.025
10	14	0.158	0.157	0.000
10	15	0.157	0.157	0.000
12	16	0.182	0.182	0.000
12	17	0.196	0.196	0.000
12	18	0.196	0.182	0.014
12	19	0.182	0.183	0.000
12	20	0.182	0.182	0.000
30	21	0.168	0.157	0.011
30	22	0.196	0.184	0.011
30	23	0.207	0.183	0.025
30	24	0.158	0.132	0.025
30	25	0.157	0.157	0.001
32	26	0.182	0.183	-0.001
32	27	0.196	0.171	0.025
32	28	0.196	0.196	-0.001
32	29	0.182	0.182	0.000
32	30	0.182	0.182	0.000
50	31	0.168	0.157	0.012
50	32	0.196	0.185	0.011
50	33	0.207	0.196	0.012
50	34	0.158	0.145	0.012
50	35	0.157	0.171	-0.013
52	36	0.182	0.182	0.000
52	37	0.196	0.171	0.025
52	38	0.196	0.196	0.000
52	39	0.182	0.182	0.000
52	40	0.182	0.182	0.000
100	41	0.144	0.146	-0.002
100	42	0.168	0.157	0.011
100	43	0.182	0.196	-0.015
100	44	0.194	0.172	0.022
100	45	0.207	0.196	0.011
100	46	0.196	0.183	0.014
100	47	0.196	0.184	0.012
100	48	0.157	0.186	-0.028
100	49	0.182	0.160	0.023
100	50	0.143	0.157	-0.014
100	51	0.182	0.172	0.011
100	52	0.157	0.161	-0.003
100	53	0.182	0.196	-0.014
100	54	0.157	0.146	0.012
100	55	0.171	0.160	0.011
100	56	0.182	0.171	0.011
100	57	0.183	0.196	-0.014
100	58	0.157	0.170	-0.013
100	59	0.194	0.182	0.012
100	60	0.158	0.171	-0.013
100	61	0.196	0.185	0.011
100	62	0.157	0.172	-0.015
102	63	0.182	0.197	-0.014
102	64	0.196	0.171	0.024
102	65	0.182	0.182	0.000
102	66	0.168	0.168	0.000
102	67	0.196	0.197	-0.001
Max		0.207	0.208	0.039
Average		0.180	0.175	0.005
Min		0.143	0.132	-0.028
Std Dev		0.017	0.016	0.013



813.1_VIN UVLO HYST *VIN			
Test Site	1		1
Tester	ETS364		ETS364
Test Number	EF823401		EF823401
Unit	V		V
Max Limit	0.35		0.35
Min Limit	0		0

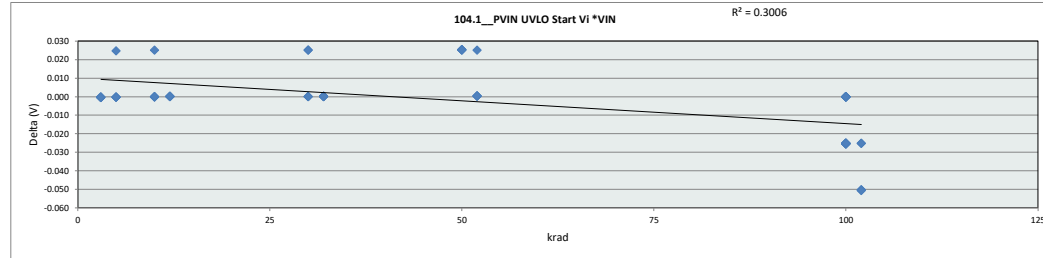
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.157	0.157	0.157	0.182	0.132	0.171	0.145	0.172	0.146	0.168
Average	0.177	0.167	0.175	0.185	0.163	0.183	0.171	0.183	0.174	0.183
Max	0.208	0.182	0.195	0.196	0.185	0.196	0.196	0.196	0.196	0.197
UL	0.350	0.350	0.350	0.350	0.350	0.350	0.350	0.350	0.350	0.350



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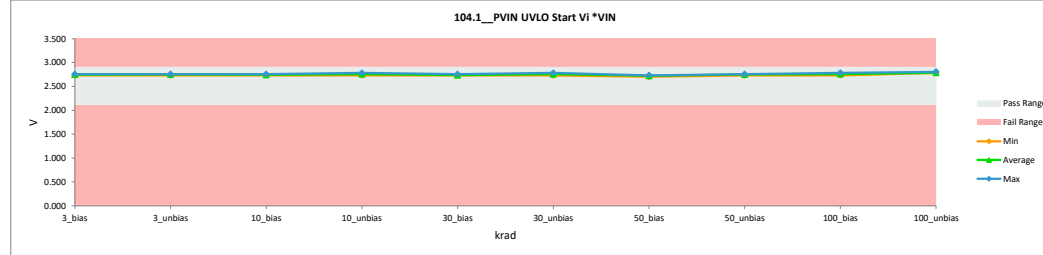
104.1_PVIN UVLO Start Vi *VIN			
Test Site	1	1	
Tester	ETS364	ETS364	
Test Number	EF823401	EF823401	
Unit	V	V	
Max Limit	2.9	2.9	
Min Limit	2.1	2.1	

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	2.733	2.733	0.000
3	2	2.733	2.733	-0.001
3	3	2.758	2.759	-0.001
3	4	2.758	2.758	0.000
3	5	2.758	2.758	0.000
5	6	2.758	2.758	0.000
5	7	2.733	2.733	0.000
5	8	2.758	2.758	0.000
5	9	2.783	2.758	0.025
5	10	2.758	2.758	0.000
10	11	2.733	2.733	0.000
10	12	2.733	2.733	0.000
10	13	2.758	2.758	0.000
10	14	2.758	2.758	0.000
10	15	2.758	2.733	0.025
12	16	2.758	2.758	0.000
12	17	2.733	2.733	0.000
12	18	2.758	2.100	0.000
12	19	2.783	2.783	0.000
12	20	2.758	2.758	0.000
30	21	2.733	2.733	0.000
30	22	2.733	2.733	0.000
30	23	2.758	2.758	0.000
30	24	2.758	2.733	0.025
30	25	2.758	2.733	0.025
32	26	2.758	2.758	0.000
32	27	2.733	2.733	0.000
32	28	2.758	2.758	0.000
32	29	2.783	2.783	0.000
32	30	2.758	2.758	0.000
50	31	2.733	2.708	0.025
50	32	2.733	2.708	0.025
50	33	2.758	2.733	0.025
50	34	2.758	2.733	0.025
50	35	2.758	2.733	0.025
52	36	2.758	2.758	0.000
52	37	2.733	2.733	0.000
52	38	2.758	2.758	0.000
52	39	2.783	2.758	0.025
52	40	2.758	2.758	0.000
100	41	2.758	2.758	0.000
100	42	2.758	2.783	-0.025
100	43	2.758	2.783	-0.025
100	44	2.758	2.758	0.000
100	45	2.758	2.758	0.000
100	46	2.758	2.783	-0.025
100	47	2.758	2.758	0.000
100	48	2.733	2.759	-0.026
100	49	2.733	2.758	-0.025
100	50	2.733	2.758	-0.025
100	51	2.733	2.733	0.000
100	52	2.758	2.758	0.000
100	53	2.758	2.758	0.000
100	54	2.733	2.733	0.000
100	55	2.733	2.758	-0.025
100	56	2.758	2.758	0.000
100	57	2.758	2.783	-0.025
100	58	2.758	2.758	0.000
100	59	2.733	2.758	-0.025
100	60	2.758	2.758	0.000
100	61	2.733	2.758	-0.026
100	62	2.733	2.758	-0.025
102	63	2.758	2.783	-0.025
102	64	2.733	2.783	-0.050
102	65	2.758	2.808	-0.050
102	66	2.758	2.783	-0.025
102	67	2.733	2.783	-0.051
Max		2.783	2.808	0.025
Average		2.751	2.754	-0.003
Min		2.733	2.708	-0.051
Std Dev		0.014	0.019	0.018



104.1_PVIN UVLO Start Vi *V			
Test Site	1		
Tester	ETS364		
Test Number	EF823401		
Max Limit	2.9	V	
Min Limit	2.1	V	

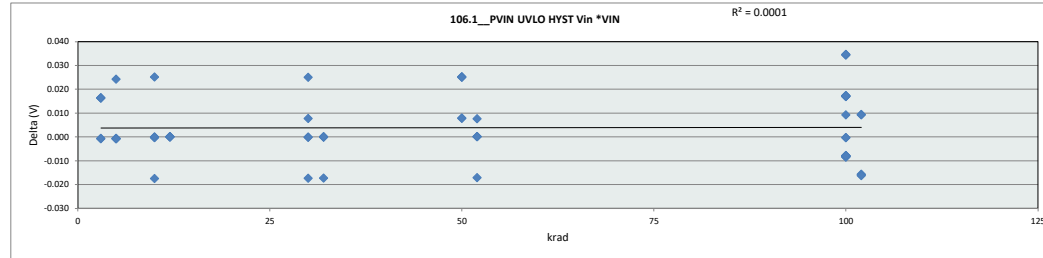
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias
LL	2.100	2.100	2.100	2.100	2.100	2.100	2.100	2.100	2.100	2.100
Min	2.733	2.733	2.733	2.733	2.733	2.733	2.708	2.733	2.733	2.783
Average	2.748	2.753	2.743	2.758	2.738	2.758	2.723	2.753	2.760	2.788
Max	2.759	2.758	2.758	2.783	2.758	2.783	2.733	2.758	2.783	2.808
UL	2.900	2.900	2.900	2.900	2.900	2.900	2.900	2.900	2.900	2.900



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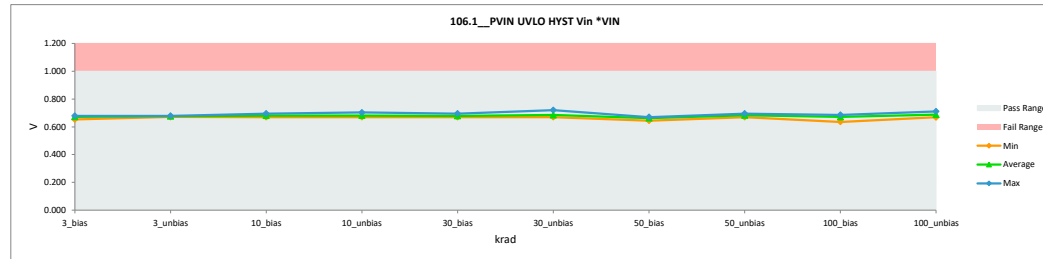
106.1_PVIN UVLO HYST Vin *V			
Test Site	1	1	
Tester	ETS364	ETS364	
Test Number	EF823401	EF823401	
Unit	V	V	
Max Limit	1	1	
Min Limit	0	0	

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	0.652	0.653	-0.001
3	2	0.687	0.671	0.016
3	3	0.695	0.679	0.016
3	4	0.678	0.678	-0.001
3	5	0.695	0.678	0.016
5	6	0.678	0.678	-0.001
5	7	0.670	0.671	-0.001
5	8	0.678	0.678	-0.001
5	9	0.703	0.678	0.024
5	10	0.678	0.678	-0.001
10	11	0.652	0.670	-0.017
10	12	0.687	0.687	0.000
10	13	0.695	0.695	0.000
10	14	0.678	0.678	0.000
10	15	0.695	0.670	0.025
12	16	0.678	0.678	0.000
12	17	0.670	0.670	0.000
12	18	0.678	0.678	0.000
12	19	0.703	0.703	0.000
12	20	0.678	0.678	0.000
30	21	0.652	0.670	-0.017
30	22	0.687	0.687	0.000
30	23	0.695	0.695	0.000
30	24	0.678	0.670	0.008
30	25	0.695	0.670	0.025
32	26	0.678	0.678	0.000
32	27	0.670	0.670	0.000
32	28	0.678	0.678	0.000
32	29	0.703	0.720	-0.017
32	30	0.678	0.678	0.000
50	31	0.652	0.645	0.008
50	32	0.687	0.662	0.025
50	33	0.695	0.670	0.025
50	34	0.678	0.670	0.008
50	35	0.695	0.670	0.025
52	36	0.678	0.678	0.000
52	37	0.670	0.670	0.000
52	38	0.678	0.695	-0.017
52	39	0.703	0.695	0.008
52	40	0.678	0.678	0.000
100	41	0.678	0.678	0.000
100	42	0.678	0.686	-0.008
100	43	0.678	0.686	-0.008
100	44	0.695	0.660	0.035
100	45	0.678	0.661	0.017
100	46	0.695	0.686	0.009
100	47	0.695	0.678	0.017
100	48	0.670	0.678	-0.008
100	49	0.670	0.678	-0.008
100	50	0.670	0.678	-0.008
100	51	0.652	0.636	0.017
100	52	0.695	0.661	0.034
100	53	0.678	0.660	0.017
100	54	0.670	0.653	0.017
100	55	0.670	0.678	-0.008
100	56	0.678	0.678	0.000
100	57	0.678	0.686	-0.008
100	58	0.677	0.660	0.017
100	59	0.670	0.678	-0.008
100	60	0.695	0.660	0.035
100	61	0.670	0.678	-0.008
100	62	0.670	0.678	-0.008
102	63	0.695	0.686	0.009
102	64	0.670	0.686	-0.016
102	65	0.695	0.711	-0.016
102	66	0.678	0.669	0.009
102	67	0.669	0.686	-0.016
Max		0.703	0.720	0.035
Average		0.680	0.676	0.004
Min		0.652	0.636	-0.017
Std Dev		0.013	0.014	0.013



106.1_PVIN UVLO HYST Vin *			
Test Site	1		
Tester	ETS364		
Test Number	EF823401		
Max Limit	1	V	
Min Limit	0	V	

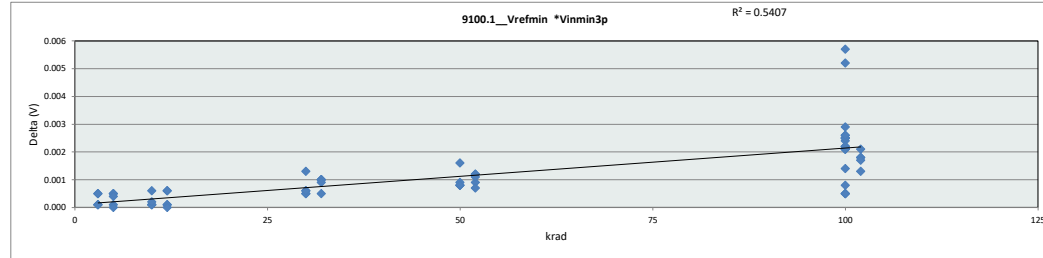
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.653	0.671	0.670	0.670	0.670	0.670	0.645	0.670	0.636	0.669
Average	0.672	0.677	0.680	0.681	0.678	0.685	0.663	0.683	0.671	0.687
Max	0.679	0.678	0.695	0.703	0.695	0.720	0.670	0.695	0.686	0.711
UL	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000



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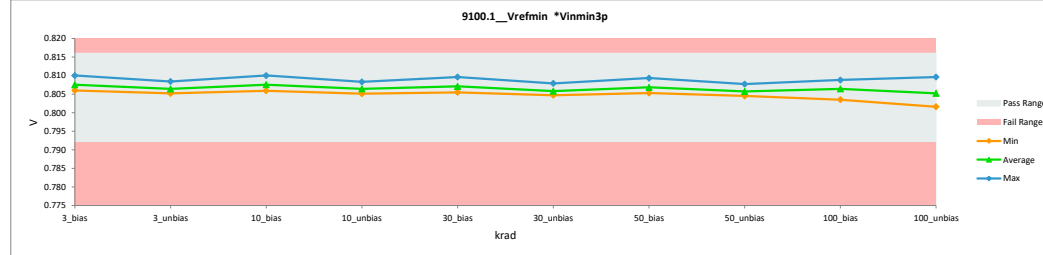
9100.1_Vrefmin *Vinmin3p	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	V
Max Limit	0.816
Min Limit	0.792

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	0.810	0.810	0.000
3	2	0.807	0.806	0.001
3	3	0.809	0.809	0.000
3	4	0.807	0.806	0.001
3	5	0.806	0.806	0.000
5	6	0.807	0.807	0.000
5	7	0.808	0.808	0.000
5	8	0.807	0.806	0.001
5	9	0.806	0.805	0.001
5	10	0.806	0.805	0.000
10	11	0.810	0.810	0.000
10	12	0.807	0.806	0.001
10	13	0.809	0.809	0.000
10	14	0.807	0.807	0.000
10	15	0.806	0.806	0.000
12	16	0.807	0.807	0.000
12	17	0.808	0.808	0.000
12	18	0.807	0.806	0.001
12	19	0.806	0.805	0.001
12	20	0.806	0.806	0.000
30	21	0.810	0.810	0.001
30	22	0.807	0.806	0.001
30	23	0.809	0.808	0.001
30	24	0.807	0.806	0.001
30	25	0.806	0.805	0.001
32	26	0.807	0.806	0.001
32	27	0.808	0.808	0.000
32	28	0.807	0.806	0.001
32	29	0.806	0.805	0.001
32	30	0.806	0.805	0.001
50	31	0.810	0.809	0.001
50	32	0.807	0.805	0.002
50	33	0.809	0.808	0.001
50	34	0.807	0.806	0.001
50	35	0.806	0.805	0.001
52	36	0.807	0.806	0.001
52	37	0.808	0.808	0.001
52	38	0.807	0.806	0.001
52	39	0.806	0.804	0.001
52	40	0.806	0.804	0.001
100	41	0.808	0.808	0.000
100	42	0.808	0.806	0.002
100	43	0.811	0.806	0.006
100	44	0.810	0.809	0.001
100	45	0.810	0.808	0.002
100	46	0.808	0.808	0.000
100	47	0.807	0.806	0.001
100	48	0.806	0.805	0.001
100	49	0.809	0.804	0.005
100	50	0.809	0.806	0.003
100	51	0.811	0.809	0.002
100	52	0.807	0.805	0.003
100	53	0.810	0.808	0.002
100	54	0.806	0.804	0.002
100	55	0.811	0.808	0.002
100	56	0.809	0.807	0.002
100	57	0.808	0.806	0.002
100	58	0.806	0.803	0.002
100	59	0.810	0.808	0.002
100	60	0.806	0.804	0.002
100	61	0.808	0.806	0.002
100	62	0.810	0.807	0.003
102	63	0.804	0.802	0.002
102	64	0.808	0.806	0.002
102	65	0.808	0.806	0.002
102	66	0.805	0.803	0.002
102	67	0.811	0.810	0.001
Max		0.811	0.810	0.006
Average		0.808	0.806	0.001
Min		0.804	0.802	0.000
Std Dev		0.002	0.002	0.001



9100.1_Vrefmin *Vinmin3p	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	V
Max Limit	0.816
Min Limit	0.792

krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased
LL	0.792	0.792	0.792	0.792	0.792	0.792	0.792	0.792	0.792	0.792
Min	0.806	0.805	0.806	0.805	0.806	0.805	0.805	0.805	0.804	0.802
Average	0.808	0.806	0.808	0.806	0.807	0.806	0.807	0.806	0.806	0.805
Max	0.810	0.808	0.810	0.808	0.810	0.808	0.809	0.808	0.809	0.810
UL	0.816	0.816	0.816	0.816	0.816	0.816	0.816	0.816	0.816	0.816

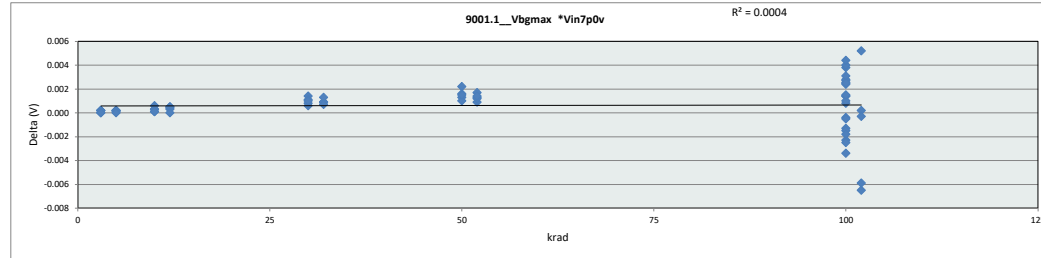




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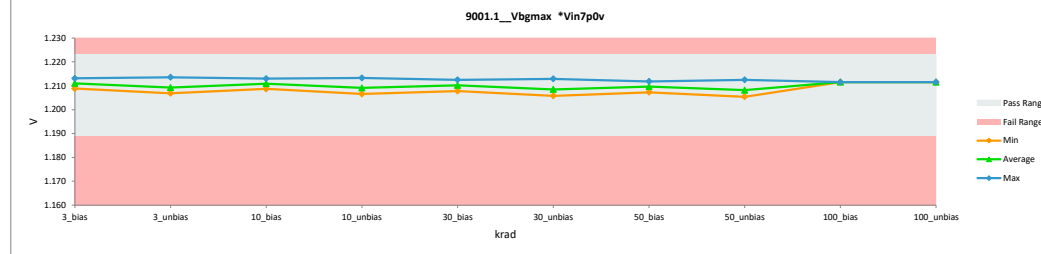
9001.1_Vbgmax *Vin7p0v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	V
Max Limit	1.223
Min Limit	1.189

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	1.213	1.213	0.000
3	2	1.210	1.210	0.000
3	3	1.213	1.213	0.000
3	4	1.211	1.211	0.000
3	5	1.209	1.209	0.000
5	6	1.209	1.209	0.000
5	7	1.214	1.214	0.000
5	8	1.210	1.210	0.000
5	9	1.207	1.207	0.000
5	10	1.207	1.207	0.000
10	11	1.213	1.213	0.000
10	12	1.210	1.209	0.001
10	13	1.213	1.213	0.000
10	14	1.211	1.211	0.000
10	15	1.209	1.209	0.000
12	16	1.209	1.209	0.000
12	17	1.214	1.213	0.000
12	18	1.210	1.210	0.000
12	19	1.207	1.207	0.001
12	20	1.207	1.207	0.000
30	21	1.213	1.212	0.001
30	22	1.210	1.209	0.001
30	23	1.213	1.212	0.001
30	24	1.211	1.210	0.001
30	25	1.209	1.208	0.001
32	26	1.209	1.208	0.001
32	27	1.214	1.213	0.001
32	28	1.210	1.209	0.001
32	29	1.207	1.206	0.001
32	30	1.207	1.207	0.001
50	31	1.213	1.212	0.001
50	32	1.210	1.208	0.002
50	33	1.213	1.211	0.002
50	34	1.211	1.210	0.001
50	35	1.209	1.207	0.002
52	36	1.209	1.208	0.001
52	37	1.214	1.212	0.001
52	38	1.210	1.209	0.001
52	39	1.207	1.205	0.002
52	40	1.207	1.206	0.001
100	41	1.212	1.212	0.001
100	42	1.213	1.212	0.001
100	43	1.215	1.212	0.004
100	44	1.214	1.212	0.003
100	45	1.214	1.212	0.002
100	46	1.213	1.212	0.001
100	47	1.209	1.212	-0.002
100	48	1.209	1.212	-0.003
100	49	1.212	1.212	0.001
100	50	1.214	1.212	0.002
100	51	1.215	1.212	0.004
100	52	1.210	1.212	-0.001
100	53	1.214	1.212	0.003
100	54	1.210	1.212	-0.002
100	55	1.216	1.212	0.004
100	56	1.213	1.212	0.002
100	57	1.211	1.212	0.000
100	58	1.208	1.212	-0.003
100	59	1.215	1.212	0.003
100	60	1.210	1.212	-0.002
100	61	1.211	1.212	-0.001
100	62	1.214	1.212	0.002
102	63	1.205	1.212	-0.007
102	64	1.212	1.212	0.000
102	65	1.211	1.212	0.000
102	66	1.206	1.212	-0.006
102	67	1.217	1.212	0.005
Max		1.217	1.214	0.005
Average		1.211	1.210	0.001
Min		1.205	1.205	-0.007
Std Dev		0.003	0.002	0.002



9001.1_Vbgmax *Vin7p0v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Max Limit	1.223
Min Limit	1.189

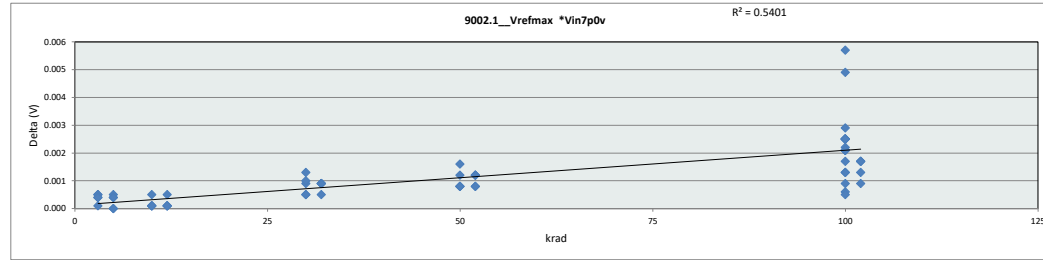
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias
LL	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189
Min	1.209	1.207	1.209	1.207	1.208	1.206	1.207	1.205	1.212	1.212
Average	1.211	1.209	1.211	1.210	1.213	1.213	1.212	1.213	1.212	1.212
Max	1.213	1.214	1.213	1.213	1.213	1.213	1.212	1.213	1.212	1.212
UL	1.223	1.223	1.223	1.223	1.223	1.223	1.223	1.223	1.223	1.223



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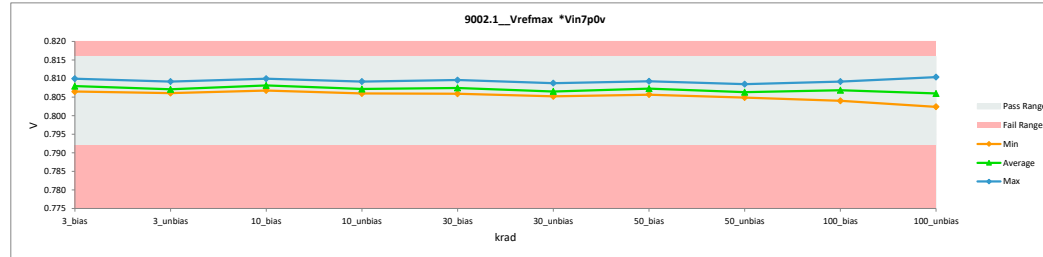
9002.1_Vrefmax *Vin7p0v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	V
Max Limit	0.816
Min Limit	0.792

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	0.810	0.810	0.000
3	2	0.808	0.807	0.000
3	3	0.809	0.809	0.001
3	4	0.808	0.807	0.000
3	5	0.807	0.807	0.000
5	6	0.807	0.807	0.000
5	7	0.810	0.809	0.001
5	8	0.807	0.807	0.000
5	9	0.806	0.806	0.000
5	10	0.807	0.806	0.000
10	11	0.810	0.810	0.000
10	12	0.808	0.807	0.000
10	13	0.809	0.809	0.000
10	14	0.808	0.808	0.000
10	15	0.807	0.807	0.000
12	16	0.807	0.807	0.000
12	17	0.810	0.809	0.001
12	18	0.807	0.807	0.000
12	19	0.806	0.806	0.000
12	20	0.807	0.806	0.000
30	21	0.810	0.810	0.001
30	22	0.808	0.806	0.001
30	23	0.809	0.808	0.001
30	24	0.808	0.807	0.000
30	25	0.807	0.806	0.001
32	26	0.807	0.806	0.001
32	27	0.810	0.809	0.001
32	28	0.807	0.807	0.000
32	29	0.806	0.805	0.001
32	30	0.807	0.806	0.001
50	31	0.810	0.809	0.001
50	32	0.808	0.806	0.002
50	33	0.809	0.808	0.001
50	34	0.808	0.807	0.001
50	35	0.807	0.806	0.001
52	36	0.807	0.807	0.001
52	37	0.810	0.808	0.001
52	38	0.807	0.807	0.001
52	39	0.806	0.805	0.001
52	40	0.807	0.805	0.001
100	41	0.809	0.808	0.001
100	42	0.808	0.806	0.002
100	43	0.812	0.806	0.006
100	44	0.811	0.809	0.001
100	45	0.811	0.808	0.002
100	46	0.809	0.808	0.001
100	47	0.808	0.807	0.000
100	48	0.807	0.806	0.001
100	49	0.810	0.805	0.005
100	50	0.810	0.807	0.003
100	51	0.812	0.809	0.002
100	52	0.807	0.805	0.002
100	53	0.811	0.809	0.002
100	54	0.807	0.805	0.002
100	55	0.811	0.809	0.002
100	56	0.810	0.808	0.002
100	57	0.808	0.806	0.002
100	58	0.806	0.804	0.002
100	59	0.810	0.808	0.002
100	60	0.807	0.805	0.002
100	61	0.808	0.806	0.002
100	62	0.810	0.808	0.002
102	63	0.804	0.802	0.002
102	64	0.808	0.807	0.002
102	65	0.808	0.807	0.002
102	66	0.805	0.804	0.001
102	67	0.811	0.810	0.001
Max		0.812	0.810	0.006
Average		0.808	0.807	0.001
Min		0.804	0.802	0.000
Std Dev		0.002	0.002	0.001



9002.1_Vrefmax *Vin7p0v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	V
Max Limit	0.816
Min Limit	0.792

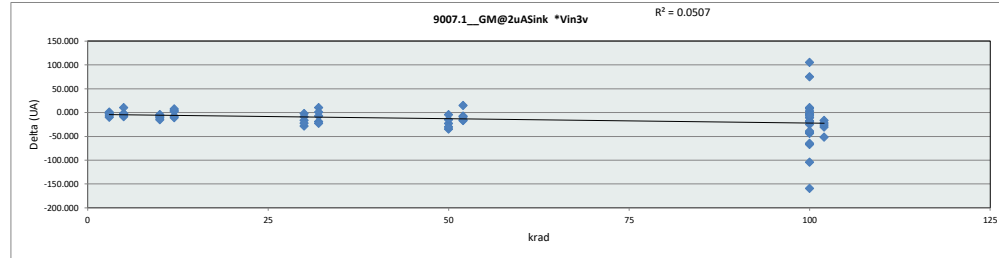
krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased
LL	0.792	0.792	0.792	0.792	0.792	0.792	0.792	0.792	0.792	0.792
Min	0.807	0.806	0.807	0.806	0.806	0.805	0.806	0.805	0.804	0.802
Average	0.808	0.807	0.808	0.807	0.808	0.807	0.807	0.806	0.807	0.806
Max	0.810	0.809	0.810	0.809	0.810	0.809	0.809	0.809	0.809	0.810
UL	0.816	0.816	0.816	0.816	0.816	0.816	0.816	0.816	0.816	0.816



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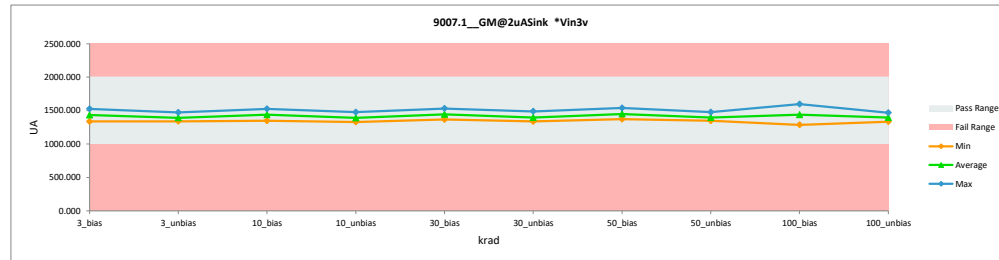
Test Site	9007.1_GM@2uASink *Vin3v	
Tester	1	1
Test Number	ETS364	ETS364
Unit	EF823401	EF823401
Max Limit	2000	2000
Min Limit	1000	1000

krad	Serial #	Pre Total	Post Total	Delta
3	1	1515.011	1525.047	-10.036
3	2	1407.792	1409.367	-1.574
3	3	1337.154	1336.167	0.987
3	4	1450.211	1452.893	-2.682
3	5	1435.365	1442.244	-6.878
5	6	1469.740	1471.728	-1.987
5	7	1388.754	1397.455	-8.701
5	8	1358.356	1348.137	10.220
5	9	1395.949	1402.939	-6.990
5	10	1337.717	1339.916	-2.199
10	11	1515.011	1525.983	-10.972
10	12	1407.792	1412.094	-4.302
10	13	1337.154	1346.183	-9.029
10	14	1450.211	1456.617	-6.406
10	15	1435.365	1450.335	-14.969
12	16	1469.740	1477.265	-7.524
12	17	1388.754	1399.495	-10.741
12	18	1358.356	1353.724	4.632
12	19	1395.949	1393.783	2.166
12	20	1337.717	1330.031	7.686
30	21	1515.011	1531.402	-16.391
30	22	1407.792	1409.979	-2.187
30	23	1337.154	1365.469	-28.315
30	24	1450.211	1458.786	-8.575
30	25	1435.365	1457.790	-22.425
32	26	1469.740	1488.706	-18.965
32	27	1388.754	1411.343	-22.589
32	28	1358.356	1365.468	-7.112
32	29	1395.949	1385.601	10.348
32	30	1337.717	1336.830	0.887
50	31	1515.011	1537.807	-22.796
50	32	1407.792	1412.150	-4.358
50	33	1337.154	1371.754	-34.599
50	34	1450.211	1465.170	-14.959
50	35	1435.365	1465.543	-30.178
52	36	1469.740	1477.150	-7.409
52	37	1388.754	1405.489	-16.734
52	38	1358.356	1373.814	-15.458
52	39	1395.949	1380.954	14.995
52	40	1337.717	1346.802	-9.085
100	41	1351.100	1455.352	-104.252
100	42	1452.017	1346.908	105.109
100	43	1499.689	1491.458	8.231
100	44	1346.043	1505.130	-159.087
100	45	1320.464	1364.143	-43.679
100	46	1284.521	1351.548	-67.027
100	47	1360.932	1285.800	75.132
100	48	1391.455	1410.863	-19.407
100	49	1409.310	1399.043	10.267
100	50	1464.394	1474.941	-10.547
100	51	1531.501	1596.203	-64.702
100	52	1488.700	1530.192	-41.492
100	53	1371.906	1382.393	-10.487
100	54	1464.356	1489.472	-25.116
100	55	1463.453	1465.354	-1.901
100	56	1351.170	1348.128	3.042
100	57	1447.184	1449.848	-2.664
100	58	1464.470	1503.343	-38.873
100	59	1409.179	1426.612	-17.433
100	60	1473.592	1492.598	-19.006
100	61	1412.752	1416.996	-4.244
100	62	1451.949	1458.651	-6.701
102	63	1333.970	1364.281	-30.310
102	64	1400.503	1451.989	-51.486
102	65	1316.728	1333.150	-16.422
102	66	1442.427	1468.568	-26.141
102	67	1338.233	1360.142	-21.909
	Max	1531.501	1596.203	105.109
	Average	1409.346	1423.023	-13.676
	Min	1284.521	1285.800	-159.087
	Std Dev	59.322	64.486	32.306



Test Site	9007.1_GM@2uASink *Vin3v	
Tester	1	1
Test Number	ETS364	ETS364
Unit	EF823401	EF823401
Max Limit	2000	2000
Min Limit	1000	1000

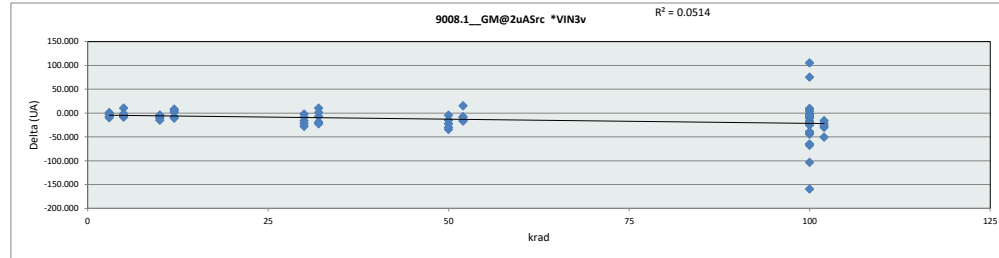
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias
LL	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000
Min	1336.167	1339.916	1346.183	1330.031	1365.469	1336.830	1371.754	1346.802	1285.800	1333.150
Average	1433.144	1392.035	1438.242	1390.860	1444.685	1397.590	1450.485	1396.842	1438.408	1395.626
Max	1525.047	1471.728	1525.983	1477.265	1531.402	1488.706	1537.807	1477.150	1596.203	1468.568
UL	2000.000	2000.000	2000.000	2000.000	2000.000	2000.000	2000.000	2000.000	2000.000	2000.000



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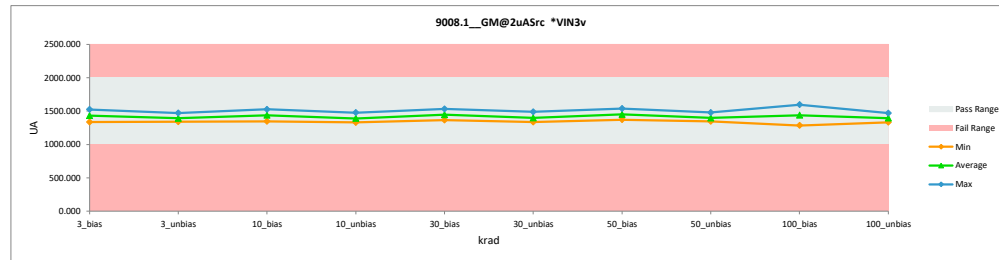
9008.1_GM@2uASrc *VIN3v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	UA
Max Limit	2000
Min Limit	1000

krad	Serial #	Pre Total	Post Total	Delta
3	1	1515.236	1525.021	-9.785
3	2	1407.788	1409.147	-1.359
3	3	1337.407	1336.316	1.092
3	4	1450.396	1452.869	-2.472
3	5	1435.286	1442.528	-7.241
5	6	1469.836	1471.744	-1.908
5	7	1388.954	1397.544	-8.590
5	8	1358.423	1347.984	10.440
5	9	1395.839	1402.895	-7.056
5	10	1337.833	1339.660	-1.827
10	11	1515.236	1525.943	-10.707
10	12	1407.788	1412.037	-4.249
10	13	1337.407	1346.159	-8.752
10	14	1450.396	1456.432	-6.036
10	15	1435.286	1450.460	-15.174
12	16	1469.836	1477.334	-7.498
12	17	1388.954	1399.635	-10.682
12	18	1358.423	1353.646	4.778
12	19	1395.839	1394.151	1.688
12	20	1337.833	1329.653	8.180
30	21	1515.236	1531.386	-16.150
30	22	1407.788	1409.781	-1.994
30	23	1337.407	1365.362	-27.954
30	24	1450.396	1459.094	-8.698
30	25	1435.286	1457.585	-22.299
32	26	1469.836	1488.810	-18.974
32	27	1388.954	1411.550	-22.596
32	28	1358.423	1365.577	-7.153
32	29	1395.839	1385.355	10.484
32	30	1337.833	1336.425	1.408
50	31	1515.236	1537.512	-22.276
50	32	1407.788	1412.317	-4.529
50	33	1337.407	1371.805	-34.397
50	34	1450.396	1465.299	-14.902
50	35	1435.286	1465.131	-29.845
52	36	1469.836	1477.738	-7.902
52	37	1388.954	1405.843	-16.889
52	38	1358.423	1373.905	-15.481
52	39	1395.839	1380.812	15.027
52	40	1337.833	1346.541	-8.708
100	41	1351.350	1454.939	-103.589
100	42	1452.143	1346.906	105.237
100	43	1499.694	1492.060	7.635
100	44	1346.019	1505.538	-159.519
100	45	1320.475	1364.778	-44.302
100	46	1284.260	1351.861	-67.601
100	47	1360.825	1285.363	75.463
100	48	1391.290	1411.069	-19.779
100	49	1409.030	1399.382	9.648
100	50	1464.555	1475.450	-10.896
100	51	1531.388	1596.307	-64.919
100	52	1488.737	1529.959	-41.222
100	53	1371.975	1382.139	-10.164
100	54	1464.498	1489.759	-25.261
100	55	1463.249	1465.521	-2.272
100	56	1351.019	1348.055	2.964
100	57	1447.193	1449.832	-2.640
100	58	1464.522	1503.365	-38.842
100	59	1409.194	1426.496	-17.302
100	60	1473.588	1492.647	-19.059
100	61	1413.090	1416.980	-3.891
100	62	1451.881	1458.677	-6.796
102	63	1334.084	1364.131	-30.047
102	64	1400.466	1451.218	-50.752
102	65	1317.158	1333.036	-15.878
102	66	1442.457	1468.755	-26.298
102	67	1338.413	1360.038	-21.625
Max		1531.388	1596.307	105.237
Average		1409.411	1423.034	-13.622
Min		1284.260	1285.363	-159.519
Std Dev		59.318	64.540	32.333



9008.1_GM@2uASrc *VIN3v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Max Limit	2000 UA
Min Limit	1000 UA

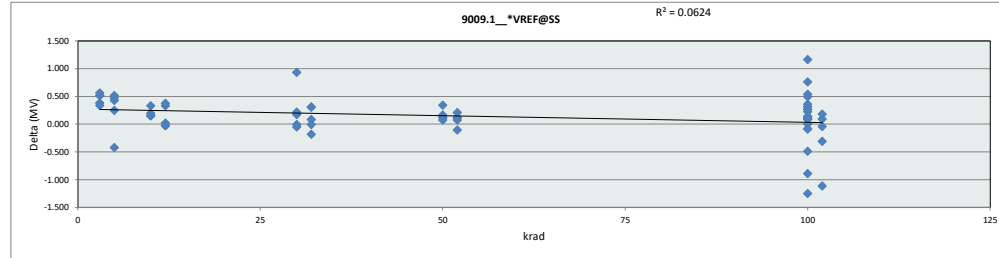
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias
LL	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000
Min	1336.316	1339.660	1346.159	1329.653	1365.362	1336.425	1371.805	1346.541	1285.363	1333.036
Average	1433.176	1391.965	1438.206	1390.884	1444.642	1397.543	1450.413	1396.968	1438.504	1395.436
Max	1525.021	1471.744	1525.943	1477.335	1531.386	1488.810	1537.512	1477.738	1596.307	1468.755
UL	2000.000	2000.000	2000.000	2000.000	2000.000	2000.000	2000.000	2000.000	2000.000	2000.000



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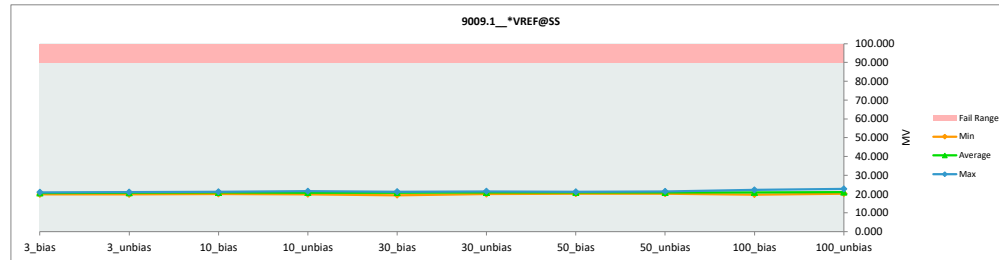
9009.1_*VREF@SS		
Test Site	1	
Tester	ETS364	
Test Number	EF823401	
Unit	MV	
Max Limit	90	
Min Limit		

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	20.303	19.788	0.515
3	2	20.972	20.457	0.515
3	3	21.240	20.680	0.560
3	4	21.285	20.903	0.381
3	5	21.151	20.814	0.337
5	6	20.927	20.680	0.247
5	7	21.508	20.993	0.515
5	8	21.106	20.680	0.426
5	9	20.570	20.993	-0.422
5	10	20.258	19.788	0.470
10	11	20.303	19.973	0.330
10	12	20.972	20.820	0.152
10	13	21.240	21.044	0.196
10	14	21.285	21.133	0.152
10	15	21.151	20.999	0.152
12	16	20.927	20.954	-0.027
12	17	21.508	21.490	0.018
12	18	21.106	21.133	-0.027
12	19	20.570	20.240	0.330
12	20	20.258	19.884	0.374
30	21	20.303	19.372	0.931
30	22	20.972	20.799	0.173
30	23	21.240	21.246	-0.006
30	24	21.285	21.067	0.218
30	25	21.151	21.201	-0.050
32	26	20.927	21.112	-0.184
32	27	21.508	21.424	0.084
32	28	21.106	21.112	-0.006
32	29	20.570	20.264	0.306
32	30	20.258	19.952	0.306
50	31	20.303	20.139	0.164
50	32	20.972	20.853	0.119
50	33	21.240	21.121	0.119
50	34	21.285	20.943	0.342
50	35	21.151	21.076	0.074
52	36	20.927	20.809	0.119
52	37	21.508	21.389	0.119
52	38	21.106	21.210	-0.104
52	39	20.570	20.362	0.208
52	40	20.258	20.184	0.074
100	41	20.838	20.078	0.760
100	42	20.927	20.435	0.493
100	43	20.794	20.881	-0.087
100	44	19.767	20.658	-0.891
100	45	20.169	19.855	0.314
100	46	20.660	20.122	0.537
100	47	19.945	20.435	-0.489
100	48	21.329	20.167	1.162
100	49	19.901	21.149	-1.248
100	50	21.597	21.461	0.136
100	51	21.419	21.416	0.002
100	52	21.374	21.282	0.091
100	53	20.303	20.033	0.269
100	54	21.597	21.461	0.136
100	55	20.972	20.613	0.359
100	56	19.767	19.676	0.091
100	57	20.660	20.569	0.091
100	58	21.642	21.729	-0.087
100	59	21.061	20.926	0.136
100	60	22.222	22.130	0.092
100	61	21.285	21.059	0.225
100	62	21.910	21.639	0.270
102	63	20.347	20.658	-0.311
102	64	21.552	22.665	-1.113
102	65	20.660	20.569	0.091
102	66	20.660	20.702	-0.043
102	67	20.392	20.212	0.180
Max		22.222	22.665	1.162
Average		20.911	20.771	0.140
Min		19.767	19.372	-1.248
Std Dev		0.526	0.605	0.381



9009.1_*VREF@SS		
Test Site	1	
Tester	ETS364	
Test Number	EF823401	
Unit	MV	
Max Limit	90	
Min Limit		

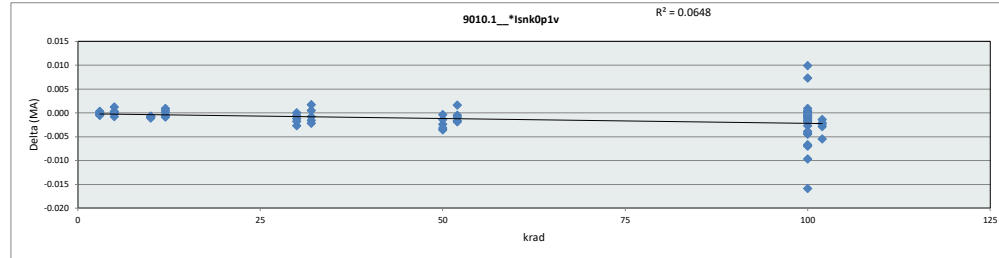
krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased
LL	19.788	19.788	19.973	19.884	19.372	19.952	20.139	20.184	19.676	20.212
Average	20.528	20.627	20.794	20.740	20.737	20.773	20.827	20.791	20.808	20.961
Max	20.903	20.993	21.133	21.490	21.246	21.424	21.121	21.389	22.130	22.665
UL	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000



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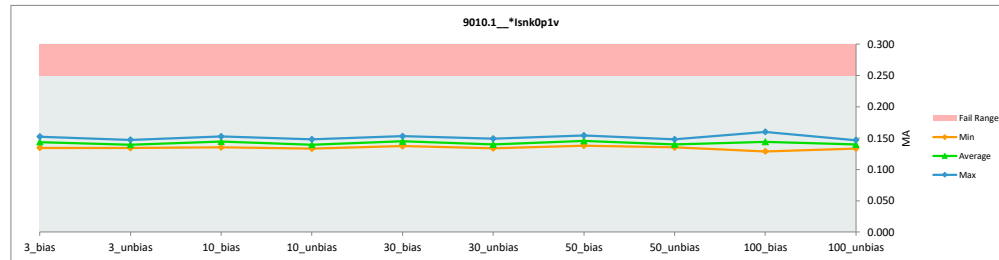
9010.1_*Isnk0p1v		
Test Site	1	1
Tester	ETS364	ETS364
Test Number	EF823401	EF823401
Unit	MA	MA
Max Limit	0.25	0.25
Min Limit		

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	0.152	0.152	0.000
3	2	0.141	0.141	0.000
3	3	0.134	0.134	0.000
3	4	0.146	0.146	0.000
3	5	0.144	0.145	-0.001
5	6	0.147	0.147	0.000
5	7	0.140	0.140	-0.001
5	8	0.136	0.135	0.001
5	9	0.140	0.140	0.000
5	10	0.134	0.134	0.000
10	11	0.152	0.153	-0.001
10	12	0.141	0.142	-0.001
10	13	0.134	0.135	-0.001
10	14	0.146	0.147	-0.001
10	15	0.144	0.145	-0.001
12	16	0.147	0.148	-0.001
12	17	0.140	0.140	-0.001
12	18	0.136	0.136	0.000
12	19	0.140	0.139	0.000
12	20	0.134	0.133	0.001
30	21	0.152	0.153	-0.001
30	22	0.141	0.141	0.000
30	23	0.134	0.137	-0.003
30	24	0.146	0.147	-0.001
30	25	0.144	0.146	-0.002
32	26	0.147	0.149	-0.002
32	27	0.140	0.142	-0.002
32	28	0.136	0.137	-0.001
32	29	0.140	0.138	0.002
32	30	0.134	0.134	0.001
50	31	0.152	0.154	-0.002
50	32	0.141	0.141	0.000
50	33	0.134	0.138	-0.004
50	34	0.146	0.147	-0.001
50	35	0.144	0.147	-0.003
52	36	0.147	0.148	-0.001
52	37	0.140	0.141	-0.002
52	38	0.136	0.138	-0.002
52	39	0.140	0.138	0.002
52	40	0.134	0.135	-0.001
100	41	0.136	0.146	-0.010
100	42	0.146	0.136	0.010
100	43	0.150	0.149	0.000
100	44	0.135	0.151	-0.016
100	45	0.132	0.137	-0.005
100	46	0.129	0.136	-0.007
100	47	0.136	0.129	0.007
100	48	0.140	0.141	-0.001
100	49	0.141	0.140	0.001
100	50	0.147	0.148	-0.001
100	51	0.153	0.160	-0.007
100	52	0.149	0.154	-0.004
100	53	0.137	0.138	-0.001
100	54	0.147	0.149	-0.003
100	55	0.147	0.147	0.000
100	56	0.135	0.135	0.000
100	57	0.145	0.145	0.000
100	58	0.147	0.151	-0.004
100	59	0.141	0.143	-0.002
100	60	0.148	0.150	-0.002
100	61	0.141	0.142	-0.001
100	62	0.146	0.146	0.000
102	63	0.134	0.137	-0.003
102	64	0.140	0.146	-0.005
102	65	0.132	0.133	-0.001
102	66	0.144	0.147	-0.002
102	67	0.134	0.136	-0.002
Max		0.153	0.160	0.010
Average		0.141	0.143	-0.001
Min		0.129	0.129	-0.016
Std Dev		0.006	0.006	0.003



9010.1_*Isnk0p1v		
Test Site	1	1
Tester	ETS364	ETS364
Test Number	EF823401	EF823401
Max Limit	0.25	MA
Min Limit		MA

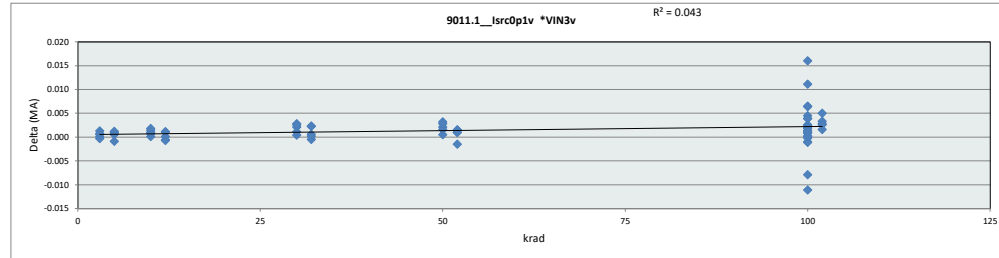
krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased
LL										
Min	0.135	0.134	0.135	0.133	0.137	0.134	0.138	0.135	0.129	0.134
Average	0.144	0.139	0.144	0.139	0.145	0.140	0.146	0.140	0.144	0.140
Max	0.152	0.147	0.153	0.148	0.153	0.149	0.154	0.148	0.160	0.147
UL	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250



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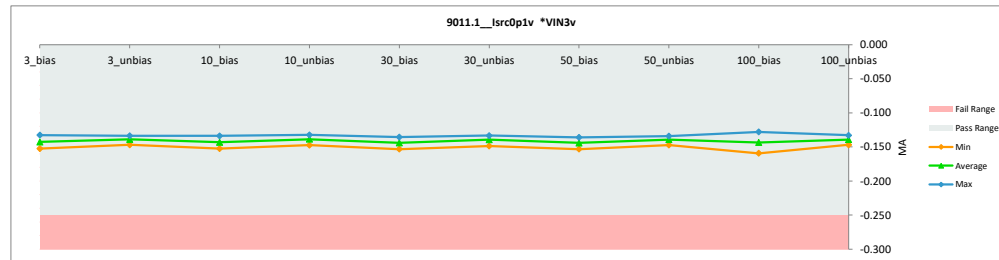
9011.1_Isrc0p1v *VIN3v			
Test Site	1		1
Tester	ETS364	ETS364	
Test Number	EF823401	EF823401	
Unit	MA		MA
Max Limit			
Min Limit	-0.25	-0.25	

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	-0.151	-0.152	0.001
3	2	-0.140	-0.140	0.000
3	3	-0.133	-0.133	0.000
3	4	-0.144	-0.145	0.001
3	5	-0.143	-0.143	0.001
5	6	-0.146	-0.147	0.001
5	7	-0.138	-0.139	0.001
5	8	-0.135	-0.134	-0.001
5	9	-0.139	-0.140	0.001
5	10	-0.133	-0.134	0.001
10	11	-0.151	-0.153	0.001
10	12	-0.140	-0.140	0.000
10	13	-0.133	-0.134	0.001
10	14	-0.144	-0.145	0.001
10	15	-0.143	-0.145	0.002
12	16	-0.146	-0.147	0.001
12	17	-0.138	-0.139	0.001
12	18	-0.135	-0.135	-0.001
12	19	-0.139	-0.139	0.000
12	20	-0.133	-0.132	-0.001
30	21	-0.151	-0.153	0.002
30	22	-0.140	-0.141	0.000
30	23	-0.133	-0.136	0.003
30	24	-0.144	-0.145	0.001
30	25	-0.143	-0.145	0.003
32	26	-0.146	-0.149	0.002
32	27	-0.138	-0.140	0.002
32	28	-0.135	-0.136	0.001
32	29	-0.139	-0.139	-0.001
32	30	-0.133	-0.133	0.000
50	31	-0.151	-0.153	0.002
50	32	-0.140	-0.141	0.000
50	33	-0.133	-0.136	0.003
50	34	-0.144	-0.146	0.002
50	35	-0.143	-0.146	0.003
52	36	-0.146	-0.147	0.001
52	37	-0.138	-0.140	0.001
52	38	-0.135	-0.137	0.002
52	39	-0.139	-0.138	-0.002
52	40	-0.133	-0.134	0.001
100	41	-0.134	-0.145	0.011
100	42	-0.145	-0.134	-0.011
100	43	-0.150	-0.149	-0.001
100	44	-0.134	-0.150	0.016
100	45	-0.132	-0.136	0.005
100	46	-0.128	-0.135	0.007
100	47	-0.136	-0.128	-0.008
100	48	-0.139	-0.141	0.003
100	49	-0.140	-0.139	-0.001
100	50	-0.146	-0.147	0.001
100	51	-0.153	-0.159	0.006
100	52	-0.148	-0.152	0.004
100	53	-0.137	-0.138	0.001
100	54	-0.146	-0.148	0.002
100	55	-0.146	-0.146	0.001
100	56	-0.135	-0.135	0.000
100	57	-0.145	-0.145	0.000
100	58	-0.146	-0.150	0.004
100	59	-0.140	-0.142	0.002
100	60	-0.147	-0.148	0.002
100	61	-0.141	-0.141	0.000
100	62	-0.144	-0.145	0.001
102	63	-0.133	-0.136	0.003
102	64	-0.140	-0.145	0.005
102	65	-0.131	-0.133	0.002
102	66	-0.144	-0.147	0.003
102	67	-0.133	-0.136	0.003
Max	-0.128	-0.128	0.016	
Average	-0.140	-0.142	0.001	
Min	-0.153	-0.159	-0.011	
Std Dev	0.006	0.006	0.003	



9011.1_Isrc0p1v *VIN3v			
Test Site	1		1
Tester	ETS364	ETS364	
Test Number	EF823401	EF823401	
Unit	MA		MA
Max Limit			
Min Limit	-0.25	MA	

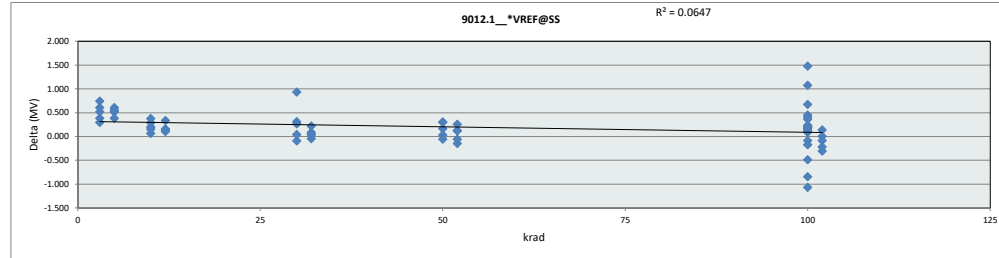
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LL	-0.250	-0.250	-0.250	-0.250	-0.250	-0.250	-0.250	-0.250	-0.250	-0.250
Min	-0.152	-0.147	-0.153	-0.147	-0.153	-0.149	-0.153	-0.147	-0.159	-0.147
Average	-0.143	-0.139	-0.143	-0.139	-0.144	-0.139	-0.144	-0.139	-0.143	-0.139
Max	-0.133	-0.134	-0.134	-0.133	-0.136	-0.133	-0.136	-0.134	-0.128	-0.133
UL										



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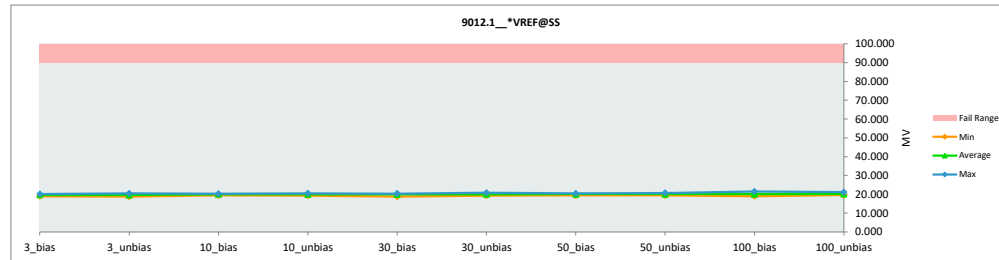
9012.1_*VREF@SS	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	MV
Max Limit	90
Min Limit	

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	19.633	18.895	0.738
3	2	20.213	19.609	0.604
3	3	20.258	19.877	0.381
3	4	20.437	19.921	0.515
3	5	20.347	20.055	0.292
5	6	20.347	19.743	0.604
5	7	20.794	20.412	0.381
5	8	20.303	19.788	0.515
5	9	19.633	19.118	0.515
5	10	19.276	18.716	0.559
10	11	19.633	19.348	0.285
10	12	20.213	19.839	0.374
10	13	20.258	20.196	0.062
10	14	20.437	20.240	0.196
10	15	20.347	20.196	0.151
12	16	20.347	20.196	0.151
12	17	20.794	20.464	0.330
12	18	20.303	20.196	0.107
12	19	19.633	19.482	0.151
12	20	19.276	19.170	0.106
30	21	19.633	18.702	0.931
30	22	20.213	19.907	0.306
30	23	20.258	20.353	-0.095
30	24	20.437	20.175	0.262
30	25	20.347	20.309	0.039
32	26	20.347	20.264	0.083
32	27	20.794	20.755	0.039
32	28	20.303	20.353	-0.051
32	29	19.633	19.416	0.217
32	30	19.276	19.238	0.038
50	31	19.633	19.336	0.297
50	32	20.213	19.916	0.297
50	33	20.258	20.228	0.030
50	34	20.437	20.273	0.163
50	35	20.347	20.407	-0.060
52	36	20.347	20.228	0.119
52	37	20.794	20.675	0.119
52	38	20.303	20.451	-0.149
52	39	19.633	19.380	0.253
52	40	19.276	19.336	-0.060
100	41	20.704	19.230	1.474
100	42	20.079	19.632	0.448
100	43	20.079	20.167	-0.088
100	44	18.963	19.810	-0.847
100	45	19.320	18.918	0.403
100	46	19.856	19.186	0.671
100	47	19.097	19.587	-0.490
100	48	20.437	19.364	1.072
100	49	19.187	20.256	-1.070
100	50	20.838	20.658	0.180
100	51	20.526	20.702	-0.177
100	52	20.570	20.346	0.225
100	53	19.365	19.275	0.090
100	54	20.972	20.881	0.091
100	55	20.079	19.855	0.225
100	56	19.142	18.918	0.224
100	57	20.169	19.810	0.358
100	58	21.106	20.926	0.181
100	59	20.347	20.167	0.180
100	60	21.642	21.461	0.181
100	61	20.347	20.212	0.135
100	62	21.240	21.059	0.181
102	63	19.678	19.899	-0.222
102	64	20.749	21.059	-0.310
102	65	19.767	19.632	0.135
102	66	19.990	19.989	0.002
102	67	19.588	19.676	-0.088
Max		21.642	21.461	1.474
Average		20.131	19.938	0.193
Min		18.963	18.702	-1.070
Std Dev		0.562	0.603	0.371



9012.1_*VREF@SS	
Test Site	1
Tester	ETS364
Test Number	EF823401
Max Limit	90
Min Limit	MV

krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased
LL										
Min	18.895	18.716	19.348	19.170	18.703	19.238	19.336	19.336	18.918	19.632
Average	19.671	19.555	19.964	19.901	19.889	20.005	20.032	20.014	20.019	20.051
Max	20.055	20.412	20.241	20.464	20.353	20.755	20.407	20.675	21.461	21.059
UL	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000

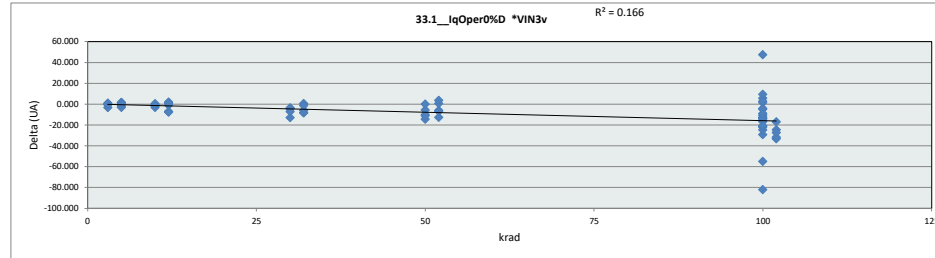




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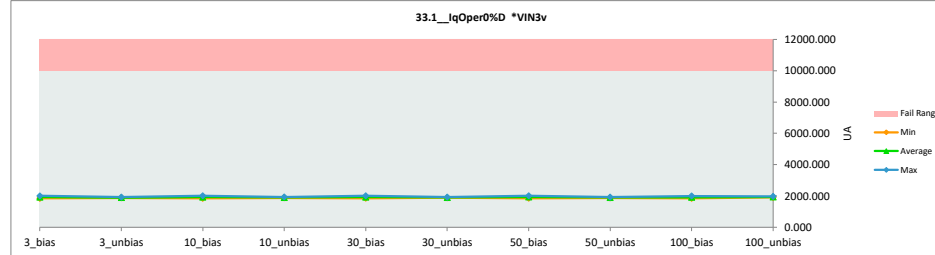
33.1_IqOper%D *VIN3v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	UA
Max Limit	10000
Min Limit	

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	1992.274	1992.194	0.080
3	2	1913.451	1916.687	-3.236
3	3	1838.267	1838.775	-0.508
3	4	2004.561	2003.606	0.955
3	5	1870.828	1870.882	-0.055
5	6	1887.400	1885.673	1.726
5	7	1927.542	1929.283	-1.741
5	8	1884.648	1887.756	-3.108
5	9	1878.556	1877.132	1.424
5	10	1912.762	1912.354	0.409
10	11	1992.274	1994.114	-1.839
10	12	1913.451	1914.429	-0.979
10	13	1838.267	1841.452	-3.185
10	14	2004.561	2005.821	-1.260
10	15	1870.828	1870.377	0.451
12	16	1887.400	1888.457	-1.058
12	17	1927.542	1934.537	-6.995
12	18	1884.648	1892.386	-7.738
12	19	1878.556	1876.653	1.903
12	20	1912.762	1911.976	0.786
30	21	1992.274	1995.998	-3.724
30	22	1913.451	1917.807	-4.356
30	23	1838.267	1851.191	-12.924
30	24	2004.561	2008.442	-3.880
30	25	1870.828	1870.978	-7.150
32	26	1887.400	1893.365	-5.965
32	27	1927.542	1927.030	0.512
32	28	1884.648	1892.741	-8.093
32	29	1878.556	1879.867	-1.311
32	30	1912.762	1921.200	-8.438
50	31	1992.274	2002.417	-10.143
50	32	1913.451	1919.090	-5.639
50	33	1838.267	1852.788	-14.521
50	34	2004.561	2004.480	0.081
50	35	1870.828	1881.999	-11.171
52	36	1887.400	1893.506	-6.107
52	37	1927.542	1926.983	0.559
52	38	1884.648	1891.578	-6.930
52	39	1878.556	1874.888	3.668
52	40	1912.762	1925.481	-12.719
100	41	1932.079	1936.175	-4.096
100	42	1852.134	1934.142	-82.008
100	43	1918.627	1871.243	47.384
100	44	1931.958	1926.232	5.726
100	45	1887.278	1942.209	-54.931
100	46	1903.940	1902.529	1.412
100	47	1877.521	1906.825	-29.304
100	48	1887.964	1885.152	2.812
100	49	1903.741	1894.350	9.391
100	50	1953.328	1966.467	-13.139
100	51	1944.052	1965.619	-21.567
100	52	1876.761	1887.868	-11.107
100	53	1942.039	1958.918	-16.880
100	54	1977.005	2001.757	-24.751
100	55	1977.435	1986.566	-9.130
100	56	1888.023	1901.877	-13.854
100	57	1829.878	1851.970	-22.092
100	58	1868.238	1873.260	-5.022
100	59	1885.617	1898.790	-13.173
100	60	1881.361	1896.483	-15.122
100	61	1834.705	1843.882	-9.177
100	62	1922.510	1943.166	-20.656
102	63	1877.721	1910.938	-33.217
102	64	1931.512	1948.420	-16.908
102	65	1891.404	1915.989	-24.585
102	66	1889.023	1920.760	-31.737
102	67	1948.773	1976.073	-27.301
	Max	2004.561	2008.442	47.384
	Average	1908.295	1916.881	-8.586
	Min	1829.878	1838.775	-82.008
	Std Dev	46.000	45.906	15.808



33.1_IqOper%D *VIN3v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Max Limit	10000 UA
Min Limit	UA

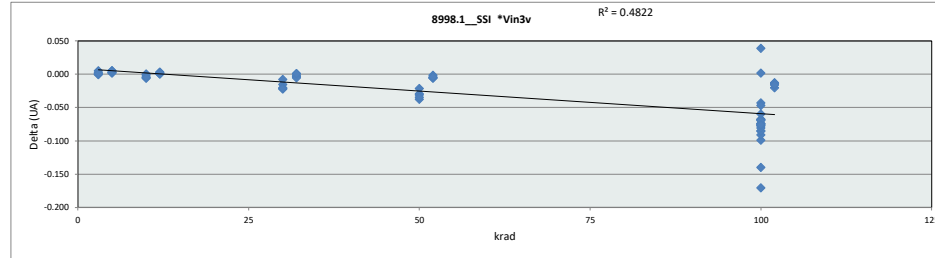
krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased
LL										
Min	1838.775	1877.132	1841.452	1876.653	1851.191	1879.867	1852.789	1874.888	1843.882	1910.938
Average	1924.429	1898.440	1925.239	1900.802	1930.283	1902.841	1932.155	1902.487	1917.067	1934.436
Max	2003.606	1929.283	2005.821	1934.537	2008.442	1927.030	2004.480	1926.983	2001.757	1976.074
UL	10000.000	10000.000	10000.000	10000.000	10000.000	10000.000	10000.000	10000.000	10000.000	10000.000



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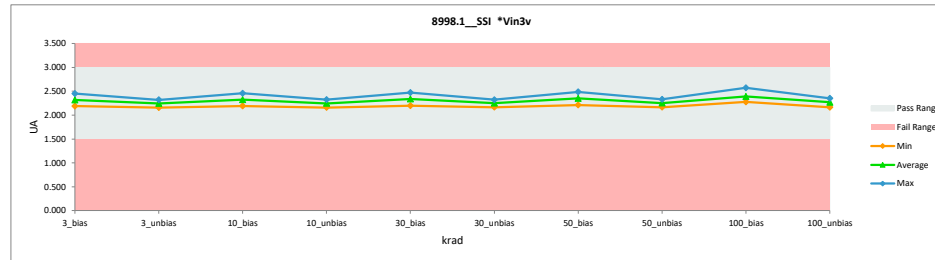
8998.1_SSI *Vin3v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	UA
Max Limit	3
Min Limit	1.5

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	2.450	2.451	-0.001
3	2	2.217	2.217	0.000
3	3	2.190	2.187	0.002
3	4	2.386	2.381	0.005
3	5	2.357	2.356	0.001
5	6	2.286	2.285	0.002
5	7	2.322	2.320	0.002
5	8	2.211	2.206	0.005
5	9	2.160	2.157	0.003
5	10	2.264	2.259	0.005
10	11	2.450	2.456	-0.006
10	12	2.217	2.218	-0.001
10	13	2.190	2.189	0.000
10	14	2.386	2.390	-0.004
10	15	2.357	2.362	-0.005
12	16	2.286	2.286	0.000
12	17	2.322	2.322	0.000
12	18	2.211	1.500	0.003
12	19	2.160	2.159	0.001
12	20	2.264	2.261	0.003
30	21	2.450	2.472	-0.022
30	22	2.217	2.233	-0.016
30	23	2.190	2.197	-0.008
30	24	2.386	2.407	-0.020
30	25	2.357	2.378	-0.021
32	26	2.286	2.289	-0.003
32	27	2.322	2.321	0.001
32	28	2.211	2.214	-0.003
32	29	2.160	2.165	-0.006
32	30	2.264	2.263	0.001
50	31	2.450	2.487	-0.038
50	32	2.217	2.247	-0.030
50	33	2.190	2.211	-0.022
50	34	2.386	2.417	-0.031
50	35	2.357	2.392	-0.035
52	36	2.286	2.292	-0.006
52	37	2.322	2.328	-0.006
52	38	2.211	2.213	-0.002
52	39	2.160	2.165	-0.005
52	40	2.264	2.268	-0.004
100	41	2.319	2.393	-0.075
100	42	2.293	2.392	-0.099
100	43	2.314	2.358	-0.043
100	44	2.212	2.383	-0.171
100	45	2.280	2.278	0.002
100	46	2.220	2.359	-0.140
100	47	2.228	2.275	-0.047
100	48	2.333	2.294	0.039
100	49	2.313	2.404	-0.091
100	50	2.366	2.440	-0.074
100	51	2.486	2.571	-0.085
100	52	2.335	2.403	-0.068
100	53	2.310	2.379	-0.069
100	54	2.425	2.510	-0.085
100	55	2.340	2.417	-0.078
100	56	2.239	2.307	-0.068
100	57	2.265	2.339	-0.074
100	58	2.365	2.445	-0.081
100	59	2.316	2.393	-0.077
100	60	2.338	2.407	-0.070
100	61	2.302	2.361	-0.060
100	62	2.369	2.445	-0.076
102	63	2.149	2.163	-0.014
102	64	2.301	2.315	-0.014
102	65	2.166	2.187	-0.020
102	66	2.336	2.349	-0.013
102	67	2.318	2.334	-0.016
Max		2.486	2.571	0.039
Average		2.293	2.321	-0.029
Min		2.149	2.157	-0.171
Std Dev		0.083	0.098	0.039



8998.1_SSI *Vin3v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	UA
Max Limit	3
Min Limit	1.5

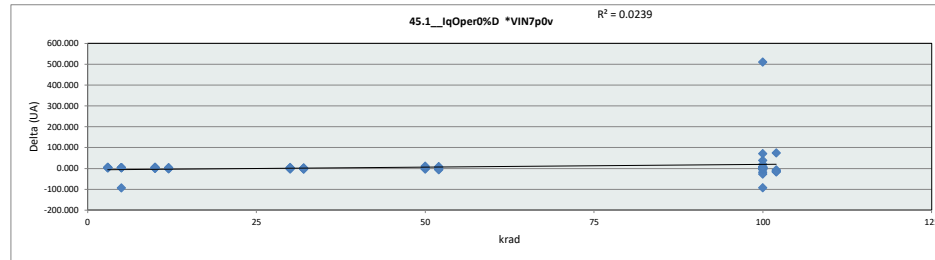
krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased
LL	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500
Min	2.187	2.157	2.189	2.159	2.198	2.166	2.211	2.165	2.275	2.163
Average	2.318	2.245	2.323	2.247	2.337	2.251	2.351	2.253	2.389	2.270
Max	2.451	2.320	2.456	2.322	2.472	2.321	2.488	2.328	2.571	2.349
UL	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000



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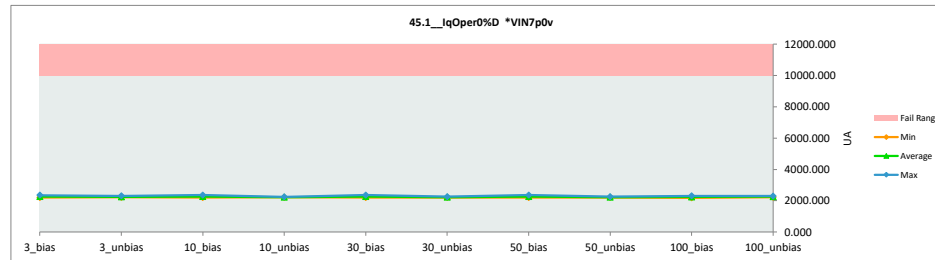
45.1_IqOper0%D *VIN7p0v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	UA
Max Limit	10000
Min Limit	

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	2359.441	2356.542	2.899
3	2	2217.401	2214.615	2.786
3	3	2202.165	2199.118	3.047
3	4	2338.382	2332.488	5.893
3	5	2214.742	2211.213	3.529
5	6	2222.565	2218.820	3.746
5	7	2225.402	2222.431	2.971
5	8	2216.201	2310.194	-93.992
5	9	2219.285	2215.633	3.652
5	10	2254.978	2252.069	2.908
10	11	2359.441	2357.935	1.507
10	12	2217.401	2211.923	5.478
10	13	2202.165	2202.815	-0.650
10	14	2338.382	2334.381	4.001
10	15	2214.742	2210.389	4.353
12	16	2222.565	2221.415	1.150
12	17	2225.402	2228.212	-2.810
12	18	2216.201	2214.859	1.342
12	19	2219.285	2216.839	2.446
12	20	2254.978	2251.885	3.093
30	21	2359.441	2360.835	-1.394
30	22	2217.401	2214.861	2.540
30	23	2202.165	2205.618	-3.453
30	24	2338.382	2334.047	4.335
30	25	2214.742	2213.936	0.806
32	26	2222.565	2226.071	-3.506
32	27	2225.402	2226.177	-0.776
32	28	2216.201	2213.627	2.575
32	29	2219.285	2217.969	1.316
32	30	2254.978	2256.124	-1.146
50	31	2359.441	2362.074	-2.633
50	32	2217.401	2216.524	0.876
50	33	2202.165	2204.465	-2.300
50	34	2338.382	2327.539	10.843
50	35	2214.742	2210.226	4.516
52	36	2222.565	2225.569	-3.004
52	37	2225.402	2227.569	-2.167
52	38	2216.201	2212.054	4.148
52	39	2219.285	2210.794	8.490
52	40	2254.978	2261.498	-6.521
100	41	2301.702	2263.269	38.433
100	42	2200.921	2293.561	-92.640
100	43	2709.762	2199.497	510.264
100	44	2265.806	2246.470	19.336
100	45	2246.152	2264.296	-18.144
100	46	2216.792	2243.833	-27.042
100	47	2214.986	2213.547	1.438
100	48	2199.862	2205.857	-5.995
100	49	2257.780	2186.913	70.867
100	50	2254.743	2250.718	4.025
100	51	2277.802	2278.599	-0.797
100	52	2223.690	2216.043	7.646
100	53	2256.849	2250.106	6.743
100	54	2306.354	2308.795	-2.441
100	55	2280.736	2277.165	3.570
100	56	2212.621	2208.621	4.000
100	57	2179.634	2181.331	-1.697
100	58	2210.359	2211.170	-0.811
100	59	2237.083	2232.651	4.432
100	60	2213.855	2207.175	6.680
100	61	2208.644	2210.149	-1.505
100	62	2267.518	2261.854	5.664
102	63	2201.818	2217.439	-15.621
102	64	2244.615	2256.344	-11.729
102	65	2228.229	2235.565	-7.336
102	66	2346.557	2272.321	74.237
102	67	2281.307	2298.056	-16.749
Max		2709.762	2362.074	510.264
Average		2252.663	2244.816	7.847
Min		2179.634	2181.331	-93.992
Std Dev		74.137	46.879	66.137



45.1_IqOper0%D *VIN7p0v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Max Limit	10000
Min Limit	UA

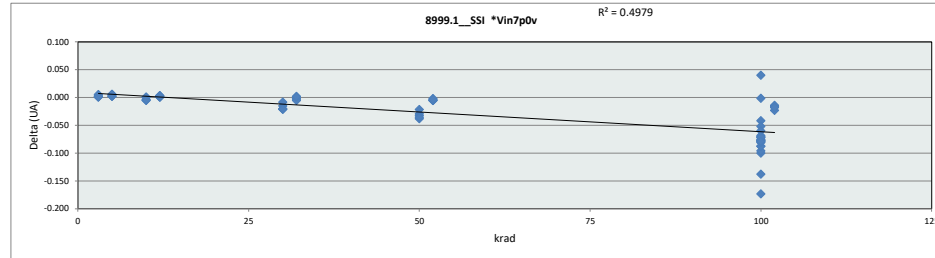
krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased
LL										
Min	2199.118	2215.633	2202.815	2214.859	2205.618	2213.627	2204.465	2210.794	2181.331	2217.439
Average	2262.795	2243.829	2263.489	2226.642	2265.859	2227.994	2264.166	2227.497	2236.892	2255.945
Max	2356.542	2310.194	2357.935	2251.884	2360.835	2256.124	2362.074	2261.498	2308.795	2298.056
UL	10000.000	10000.000	10000.000	10000.000	10000.000	10000.000	10000.000	10000.000	10000.000	10000.000



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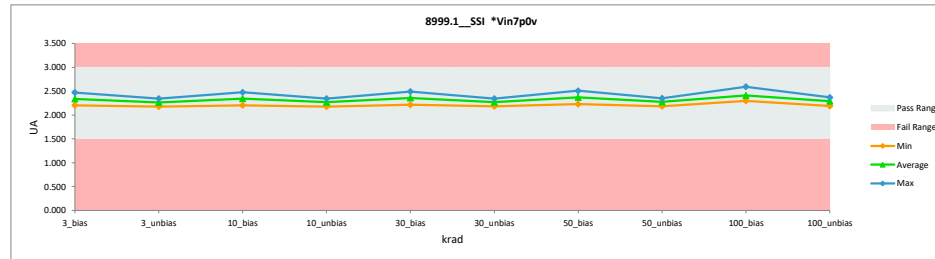
8999.1_SSI *Vin7p0v		
Test Site	1	1
Tester	ETS364	ETS364
Test Number	EF823401	EF823401
Unit	UA	UA
Max Limit	3	3
Min Limit	1.5	1.5

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	2.470	2.469	0.000
3	2	2.240	2.239	0.001
3	3	2.206	2.204	0.003
3	4	2.407	2.402	0.005
3	5	2.377	2.376	0.001
5	6	2.306	2.304	0.002
5	7	2.345	2.343	0.002
5	8	2.232	2.227	0.005
5	9	2.179	2.177	0.003
5	10	2.285	2.279	0.006
10	11	2.470	2.475	-0.006
10	12	2.240	2.240	0.000
10	13	2.206	2.206	0.001
10	14	2.407	2.412	-0.004
10	15	2.377	2.382	-0.005
12	16	2.306	2.305	0.001
12	17	2.345	2.345	0.000
12	18	2.232	2.229	0.003
12	19	2.179	2.179	0.000
12	20	2.285	2.282	0.003
30	21	2.470	2.491	-0.021
30	22	2.240	2.255	-0.015
30	23	2.206	2.215	-0.009
30	24	2.407	2.428	-0.020
30	25	2.377	2.398	-0.021
32	26	2.306	2.308	-0.002
32	27	2.345	2.344	0.002
32	28	2.232	2.234	-0.003
32	29	2.179	2.185	-0.005
32	30	2.285	2.284	0.001
50	31	2.470	2.508	-0.038
50	32	2.240	2.270	-0.030
50	33	2.206	2.228	-0.022
50	34	2.407	2.440	-0.033
50	35	2.377	2.413	-0.036
52	36	2.306	2.311	-0.006
52	37	2.345	2.351	-0.005
52	38	2.232	2.234	-0.002
52	39	2.179	2.184	-0.005
52	40	2.285	2.289	-0.004
100	41	2.338	2.415	-0.077
100	42	2.312	2.412	-0.100
100	43	2.335	2.377	-0.042
100	44	2.233	2.406	-0.174
100	45	2.299	2.301	-0.002
100	46	2.242	2.380	-0.138
100	47	2.247	2.300	-0.052
100	48	2.355	2.315	0.040
100	49	2.332	2.420	-0.096
100	50	2.389	2.466	-0.077
100	51	2.506	2.594	-0.088
100	52	2.354	2.423	-0.069
100	53	2.333	2.405	-0.072
100	54	2.447	2.535	-0.088
100	55	2.363	2.444	-0.081
100	56	2.260	2.331	-0.071
100	57	2.284	2.359	-0.075
100	58	2.385	2.465	-0.080
100	59	2.335	2.413	-0.078
100	60	2.358	2.430	-0.072
100	61	2.318	2.378	-0.060
100	62	2.388	2.468	-0.079
102	63	2.170	2.186	-0.016
102	64	2.323	2.339	-0.016
102	65	2.185	2.208	-0.023
102	66	2.354	2.368	-0.014
102	67	2.338	2.356	-0.018
Max		2.506	2.594	0.040
Average		2.313	2.342	-0.029
Min		2.170	2.177	-0.174
Std Dev		0.084	0.099	0.040



8999.1_SSI *Vin7p0v		
Test Site	1	1
Tester	ETS364	ETS364
Test Number	EF823401	EF823401
Unit	UA	UA
Max Limit	3	3
Min Limit	1.5	1.5

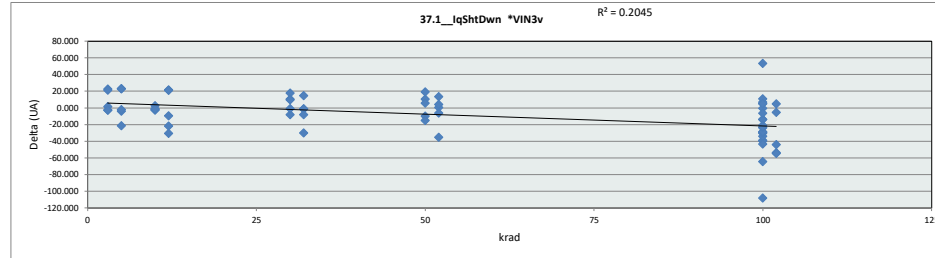
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias
LL	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500
Min	2.204	2.177	2.206	2.179	2.215	2.185	2.228	2.185	2.300	2.186
Average	2.338	2.266	2.343	2.268	2.358	2.271	2.372	2.274	2.411	2.291
Max	2.469	2.343	2.475	2.345	2.491	2.344	2.508	2.351	2.594	2.368
UL	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000



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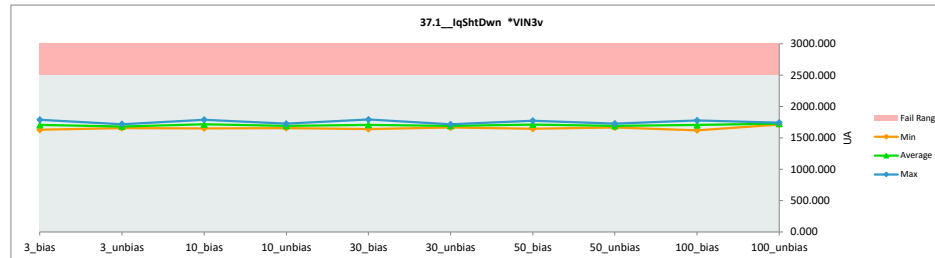
37.1_IqShtDwn *VIN3v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	UA
Max Limit	2500
Min Limit	2500

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	1778.577	1756.139	22.438
3	2	1692.913	1695.571	-2.658
3	3	1648.228	1627.149	21.079
3	4	1790.294	1788.931	1.362
3	5	1658.480	1661.376	-2.896
5	6	1677.364	1654.331	23.033
5	7	1714.135	1718.296	-4.161
5	8	1665.086	1667.392	-2.306
5	9	1678.891	1656.295	22.596
5	10	1690.826	1712.435	-21.610
10	11	1778.577	1781.058	-2.481
10	12	1692.913	1695.566	-2.652
10	13	1648.228	1649.327	-1.099
10	14	1790.294	1787.886	2.407
10	15	1658.480	1660.084	-1.604
12	16	1677.364	1655.968	21.396
12	17	1714.135	1723.751	-9.617
12	18	1665.086	1695.784	-30.698
12	19	1678.891	1657.964	20.927
12	20	1690.826	1712.745	-21.919
30	21	1778.577	1760.943	17.634
30	22	1692.913	1701.170	-8.257
30	23	1648.228	1637.843	10.385
30	24	1790.294	1791.281	-0.987
30	25	1658.480	1649.037	9.443
32	26	1677.364	1662.881	14.483
32	27	1714.135	1715.669	-1.534
32	28	1665.086	1695.308	-30.222
32	29	1678.891	1679.999	-1.108
32	30	1690.826	1699.019	-8.193
50	31	1778.577	1768.127	10.450
50	32	1692.913	1702.876	-9.963
50	33	1648.228	1642.704	5.524
50	34	1790.294	1771.212	19.082
50	35	1658.480	1673.709	-15.229
52	36	1677.364	1663.956	13.408
52	37	1714.135	1713.782	0.352
52	38	1665.086	1671.403	-6.317
52	39	1678.891	1674.831	4.060
52	40	1690.826	1726.122	-35.296
100	41	1732.395	1727.521	4.875
100	42	1628.689	1737.000	-108.310
100	43	1707.123	1653.873	53.250
100	44	1707.746	1700.955	6.791
100	45	1680.636	1745.169	-64.533
100	46	1684.874	1698.804	-13.930
100	47	1678.267	1717.200	-38.933
100	48	1681.353	1670.679	10.673
100	49	1671.038	1700.207	-29.169
100	50	1718.996	1758.919	-39.923
100	51	1707.310	1731.356	-24.046
100	52	1636.885	1650.911	-14.026
100	53	1708.307	1751.717	-43.409
100	54	1735.293	1765.374	-30.080
100	55	1742.585	1776.817	-34.231
100	56	1685.497	1706.474	-20.977
100	57	1605.661	1636.069	-30.409
100	58	1645.579	1674.359	-28.780
100	59	1674.996	1675.637	-0.641
100	60	1651.842	1674.889	-23.046
100	61	1626.570	1621.539	5.031
100	62	1708.214	1714.830	-6.617
102	63	1671.724	1725.588	-53.864
102	64	1726.973	1722.220	4.753
102	65	1667.392	1711.650	-44.258
102	66	1663.123	1717.824	-54.701
102	67	1737.537	1742.986	-5.449
	Max	1790.294	1791.281	53.250
	Average	1693.519	1702.545	-9.026
	Min	1605.661	1621.539	-108.310
	Std Dev	43.350	43.830	25.245



37.1_IqShtDwn *VIN3v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Max Limit	2500
Min Limit	UA

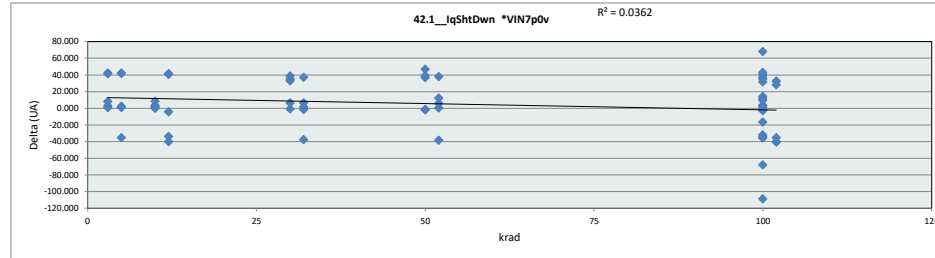
krad	3_bias	3_unbias	10_bias	10_unbias	30_bias	30_unbias	50_bias	50_unbias	100_bias	100_unbias
LL	1627.149	1654.331	1649.327	1655.968	1637.843	1662.881	1642.704	1663.956	1621.539	1711.650
Min	1705.833	1681.750	1714.784	1689.242	1708.055	1690.575	1711.726	1690.019	1704.104	1724.054
Average	1788.931	1718.296	1787.887	1723.751	1791.281	1715.669	1771.212	1726.122	1776.817	1742.986
Max	2500.000	2500.000	2500.000	2500.000	2500.000	2500.000	2500.000	2500.000	2500.000	2500.000
UL	2500.000	2500.000	2500.000	2500.000	2500.000	2500.000	2500.000	2500.000	2500.000	2500.000



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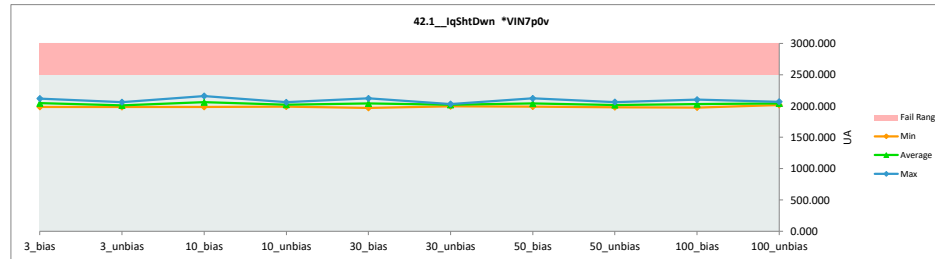
42.1_IqShtDwn *VIN7p0v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	UA
Max Limit	2500
Min Limit	2500

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	2160.477	2118.202	42.275
3	2	1988.295	1985.365	2.930
3	3	2037.606	1996.336	41.270
3	4	2123.656	2115.603	8.053
3	5	2003.222	2002.359	0.864
5	6	2031.620	1989.226	42.394
5	7	2018.793	2017.828	0.965
5	8	1986.021	1983.510	2.511
5	9	2036.725	1994.999	41.726
5	10	2025.297	2060.474	-35.177
10	11	2160.477	2159.802	0.675
10	12	1988.295	1984.921	3.374
10	13	2037.606	2035.058	2.547
10	14	2123.656	2115.193	8.463
10	15	2003.222	2003.249	-0.027
12	16	2031.620	1990.987	40.634
12	17	2018.793	2023.114	-4.322
12	18	1986.021	2026.000	-39.979
12	19	2036.725	1995.147	41.578
12	20	2025.297	2058.965	-33.668
30	21	2160.477	2121.782	38.695
30	22	1988.295	1989.064	-0.768
30	23	2037.606	2002.502	35.104
30	24	2123.656	2117.246	6.410
30	25	2003.222	1970.272	32.950
32	26	2031.620	1994.474	37.146
32	27	2018.793	2020.350	-1.557
32	28	1986.021	2023.655	-37.634
32	29	2036.725	2030.208	6.517
32	30	2025.297	2023.792	1.505
50	31	2160.477	2121.369	39.108
50	32	1988.295	1990.137	-1.842
50	33	2037.606	2000.722	36.884
50	34	2123.656	2076.867	46.790
50	35	2003.222	2004.546	-1.324
52	36	2031.620	1993.524	38.096
52	37	2018.793	2018.499	0.293
52	38	1986.021	1980.377	5.644
52	39	2036.725	2024.367	12.359
52	40	2025.297	2063.545	-38.248
100	41	2106.049	2065.408	40.641
100	42	1992.038	2100.705	-108.667
100	43	2058.519	1990.392	68.127
100	44	2034.713	2023.115	11.598
100	45	2055.013	2071.505	-16.492
100	46	1983.440	2051.233	-67.793
100	47	2031.302	2017.136	14.165
100	48	2020.136	1988.505	31.631
100	49	2024.304	2014.856	9.448
100	50	2021.667	2057.093	-35.426
100	51	2060.568	2060.854	-0.286
100	52	1983.128	1979.609	3.519
100	53	2020.992	2054.888	-33.896
100	54	2059.981	2062.759	-2.779
100	55	2048.409	2080.308	-31.898
100	56	2034.501	2032.592	1.909
100	57	1974.512	1976.992	-2.480
100	58	1988.795	2024.152	-35.357
100	59	2051.783	2014.656	37.127
100	60	1988.327	1984.995	3.332
100	61	2013.194	1978.179	35.016
100	62	2069.809	2026.738	43.071
102	63	1996.812	2037.315	-40.503
102	64	2048.640	2016.062	32.579
102	65	1997.655	2032.848	-35.193
102	66	2027.353	2067.432	-40.079
102	67	2076.032	2047.885	28.148
Max	2160.477	2159.802	68.127	
Average	2036.038	2031.072	4.965	
Min	1974.512	1970.272	-108.667	
Std Dev	47.405	44.064	32.029	



42.1_IqShtDwn *VIN7p0v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Max Limit	2500
Min Limit	UA

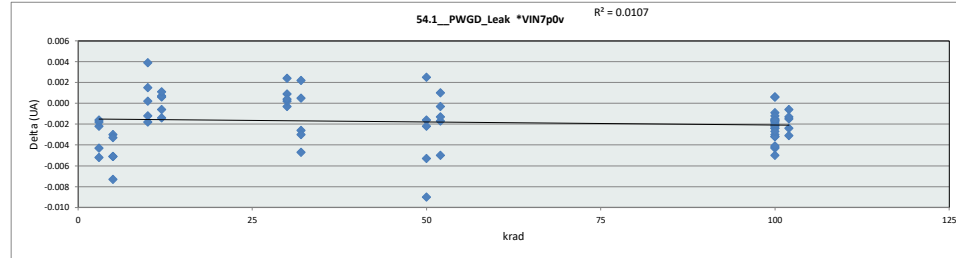
krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased
LL	1985.365	1983.510	1984.921	1990.987	1970.272	1994.474	1990.137	1980.377	1976.992	2016.062
Min	2043.573	2009.207	2059.645	2018.843	2040.173	2018.496	2038.728	2016.062	2029.849	2040.308
Max	2118.202	2060.474	2159.802	2058.965	2121.782	2030.209	2121.369	2063.545	2100.705	2067.432
UL	2500.000	2500.000	2500.000	2500.000	2500.000	2500.000	2500.000	2500.000	2500.000	2500.000



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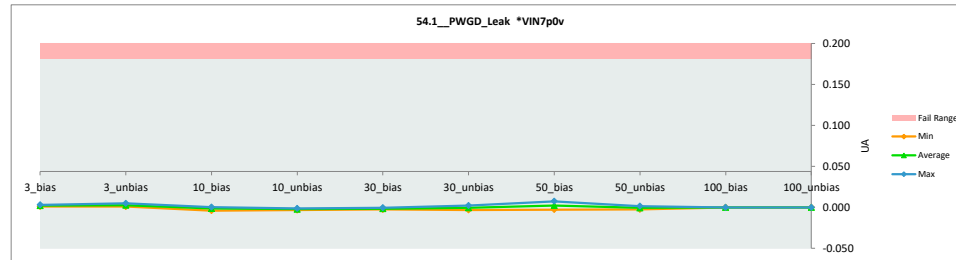
54.1_PWGD_Leak *VIN7p0v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	UA
Max Limit	0.181
Min Limit	0.181

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	-0.002	0.003	-0.004
3	2	-0.001	0.001	-0.002
3	3	0.000	0.002	-0.002
3	4	0.001	0.002	-0.002
3	5	-0.002	0.003	-0.005
5	6	-0.004	0.004	-0.007
5	7	-0.002	0.001	-0.003
5	8	-0.002	0.001	-0.003
5	9	-0.003	0.002	-0.005
5	10	0.000	0.005	-0.005
10	11	-0.002	0.000	-0.002
10	12	-0.001	-0.001	0.000
10	13	0.000	-0.004	0.004
10	14	0.001	-0.001	0.002
10	15	-0.002	-0.001	-0.001
12	16	-0.004	-0.002	-0.001
12	17	-0.002	-0.002	0.001
12	18	-0.002	-0.002	-0.001
12	19	-0.003	-0.003	0.001
12	20	0.000	-0.001	0.001
30	21	-0.002	-0.001	0.000
30	22	-0.001	-0.001	0.000
30	23	0.000	-0.003	0.002
30	24	0.001	0.000	0.001
30	25	-0.002	-0.002	0.000
32	26	-0.004	-0.001	-0.003
32	27	-0.002	0.001	-0.003
32	28	-0.002	0.002	-0.005
32	29	-0.003	-0.003	0.000
32	30	0.000	-0.002	0.002
50	31	-0.002	0.007	-0.009
50	32	-0.001	0.001	-0.002
50	33	0.000	-0.003	0.003
50	34	0.001	0.006	-0.005
50	35	-0.002	0.000	-0.002
52	36	-0.004	0.002	-0.005
52	37	-0.002	0.000	-0.002
52	38	-0.002	-0.001	-0.001
52	39	-0.003	-0.002	0.000
52	40	0.000	-0.001	0.001
100	41	-0.003	0.000	-0.003
100	42	-0.002	0.000	-0.002
100	43	-0.002	0.000	-0.002
100	44	-0.002	0.000	-0.002
100	45	0.001	0.000	0.001
100	46	-0.004	0.000	-0.004
100	47	-0.002	0.000	-0.002
100	48	-0.002	0.000	-0.002
100	49	-0.003	0.000	-0.003
100	50	-0.002	0.000	-0.002
100	51	-0.002	0.000	-0.002
100	52	0.001	0.000	0.001
100	53	-0.004	0.000	-0.004
100	54	-0.001	0.000	-0.001
100	55	-0.001	0.000	-0.001
100	56	-0.003	0.000	-0.003
100	57	-0.002	0.000	-0.002
100	58	-0.005	0.000	-0.005
100	59	-0.002	0.000	-0.002
100	60	-0.002	0.000	-0.002
100	61	-0.004	0.000	-0.004
100	62	-0.003	0.000	-0.003
102	63	-0.001	0.000	-0.001
102	64	-0.002	0.000	-0.002
102	65	-0.001	0.000	-0.001
102	66	-0.003	0.000	-0.003
102	67	-0.002	0.000	-0.002
Max		0.001	0.007	0.004
Average		-0.002	0.000	-0.002
Min		-0.005	-0.004	-0.009
Std Dev		0.001	0.002	0.002



54.1_PWGD_Leak *VIN7p0v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Max Limit	0.181
Min Limit	UA

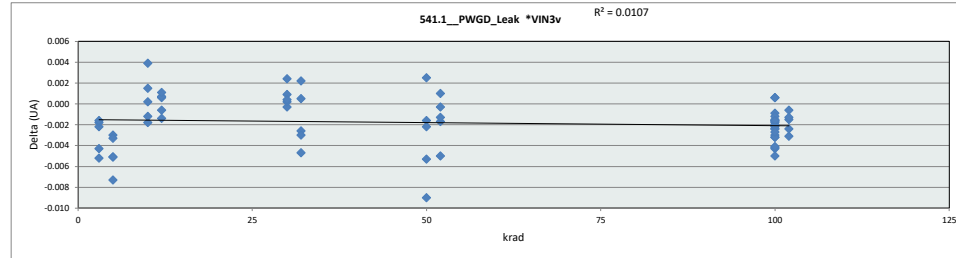
krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased
LL										
Min	0.001	0.001	-0.004	-0.003	-0.003	-0.003	-0.003	-0.002	0.000	0.000
Average	0.002	0.003	-0.001	-0.002	-0.002	-0.001	0.002	-0.001	0.000	0.000
Max	0.003	0.005	0.000	-0.001	0.000	0.002	0.008	0.002	0.000	0.000
UL	0.181	0.181	0.181	0.181	0.181	0.181	0.181	0.181	0.181	0.181



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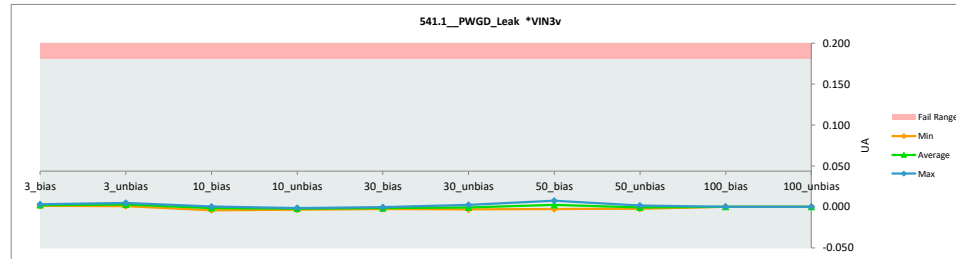
541.1_PWGD_Leak *VIN3v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	UA
Max Limit	0.181
Min Limit	0.181

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	-0.002	0.003	-0.004
3	2	-0.001	0.001	-0.002
3	3	0.000	0.002	-0.002
3	4	0.001	0.002	-0.002
3	5	-0.002	0.003	-0.005
5	6	-0.004	0.004	-0.007
5	7	-0.002	0.001	-0.003
5	8	-0.002	0.001	-0.003
5	9	-0.003	0.002	-0.005
5	10	0.000	0.005	-0.005
10	11	-0.002	0.000	-0.002
10	12	-0.001	-0.001	0.000
10	13	0.000	-0.004	0.004
10	14	0.001	-0.001	0.002
10	15	-0.002	-0.001	-0.001
12	16	-0.004	-0.002	-0.001
12	17	-0.002	-0.002	0.001
12	18	-0.002	-0.002	-0.001
12	19	-0.003	-0.003	0.001
12	20	0.000	-0.001	0.001
30	21	-0.002	-0.001	0.000
30	22	-0.001	-0.001	0.000
30	23	0.000	-0.003	0.002
30	24	0.001	0.000	0.001
30	25	-0.002	-0.002	0.000
32	26	-0.004	-0.001	-0.003
32	27	-0.002	0.001	-0.003
32	28	-0.002	0.002	-0.005
32	29	-0.003	-0.003	0.000
32	30	0.000	-0.002	0.002
50	31	-0.002	0.007	-0.009
50	32	-0.001	0.001	-0.002
50	33	0.000	-0.003	0.003
50	34	0.001	0.006	-0.005
50	35	-0.002	0.000	-0.002
52	36	-0.004	0.002	-0.005
52	37	-0.002	0.000	-0.002
52	38	-0.002	-0.001	-0.001
52	39	-0.003	-0.002	0.000
52	40	0.000	-0.001	0.001
100	41	-0.003	0.000	-0.003
100	42	-0.002	0.000	-0.002
100	43	-0.002	0.000	-0.002
100	44	-0.002	0.000	-0.002
100	45	0.001	0.000	0.001
100	46	-0.004	0.000	-0.004
100	47	-0.002	0.000	-0.002
100	48	-0.002	0.000	-0.002
100	49	-0.003	0.000	-0.003
100	50	-0.002	0.000	-0.002
100	51	-0.002	0.000	-0.002
100	52	0.001	0.000	0.001
100	53	-0.004	0.000	-0.004
100	54	-0.001	0.000	-0.001
100	55	-0.001	0.000	-0.001
100	56	-0.003	0.000	-0.003
100	57	-0.002	0.000	-0.002
100	58	-0.005	0.000	-0.005
100	59	-0.002	0.000	-0.002
100	60	-0.002	0.000	-0.002
100	61	-0.004	0.000	-0.004
100	62	-0.003	0.000	-0.003
102	63	-0.001	0.000	-0.001
102	64	-0.002	0.000	-0.002
102	65	-0.001	0.000	-0.001
102	66	-0.003	0.000	-0.003
102	67	-0.002	0.000	-0.002
Max		0.001	0.007	0.004
Average		-0.002	0.000	-0.002
Min		-0.005	-0.004	-0.009
Std Dev		0.001	0.002	0.002



541.1_PWGD_Leak *VIN3v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Max Limit	0.181
Min Limit	UA

krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased
LL	0.001	0.001	-0.004	-0.003	-0.003	-0.003	-0.003	-0.002	0.000	0.000
Min	0.002	0.003	-0.001	-0.002	-0.002	-0.001	0.002	-0.001	0.000	0.000
Average	0.003	0.005	0.000	-0.001	0.000	0.002	0.008	0.002	0.000	0.000
Max	0.181	0.181	0.181	0.181	0.181	0.181	0.181	0.181	0.181	0.181

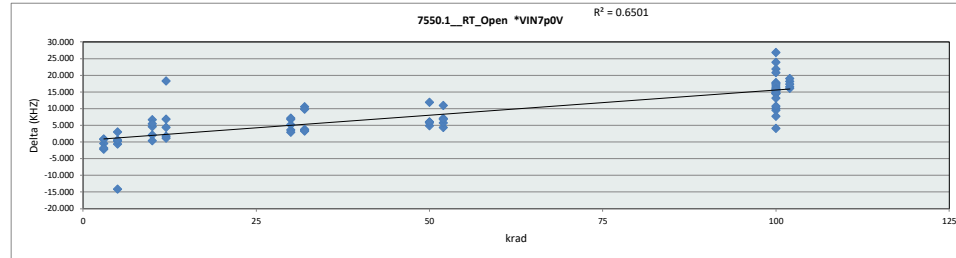




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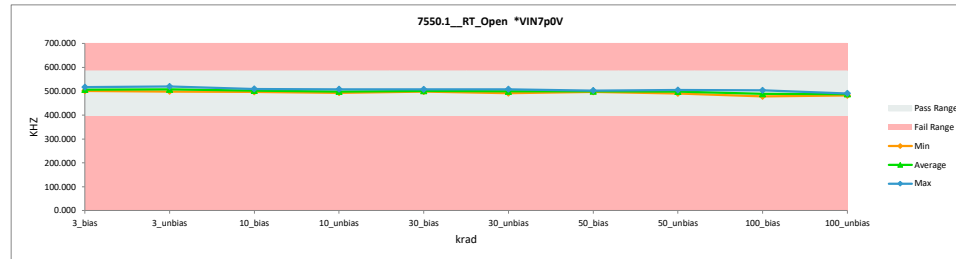
7550.1_RT_Open *VIN7p0V		
Test Site	1	1
Tester	ETS364	ETS364
Test Number	EF823401	EF823401
Unit	KHZ	KHZ
Max Limit	585	585
Min Limit	395	395

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	507.558	506.696	0.862
3	2	503.713	504.208	-0.495
3	3	502.829	502.061	0.768
3	4	515.122	517.328	-2.206
3	5	504.597	506.446	-1.849
5	6	498.654	499.314	-0.660
5	7	502.238	499.292	2.947
5	8	505.979	520.169	-14.190
5	9	512.080	511.832	0.248
5	10	509.657	509.095	0.562
10	11	507.558	503.014	4.544
10	12	503.713	497.071	6.642
10	13	502.829	500.758	2.072
10	14	515.122	509.699	5.423
10	15	504.597	504.275	0.322
12	16	498.654	494.321	4.333
12	17	502.238	495.424	6.815
12	18	505.979	504.285	1.694
12	19	512.080	493.824	18.256
12	20	509.657	508.543	1.114
30	21	507.558	500.783	6.775
30	22	503.713	498.602	5.112
30	23	502.829	499.247	3.582
30	24	515.122	508.009	7.113
30	25	504.597	501.727	2.870
32	26	498.654	495.126	3.527
32	27	502.238	491.735	10.504
32	28	505.979	496.200	9.779
32	29	512.080	508.319	3.761
32	30	509.657	506.429	3.228
50	31	507.558	502.734	4.824
50	32	503.713	497.785	5.928
50	33	502.829	497.039	5.790
50	34	515.122	503.248	11.874
50	35	504.597	498.672	5.925
52	36	498.654	494.354	4.300
52	37	502.238	491.333	10.905
52	38	505.979	500.288	5.691
52	39	512.080	505.055	7.025
52	40	509.657	502.902	6.755
100	41	508.594	490.831	17.763
100	42	510.773	493.284	17.489
100	43	508.758	499.277	9.481
100	44	515.978	492.100	23.878
100	45	507.720	500.032	7.689
100	46	501.062	491.030	10.033
100	47	511.948	485.133	26.816
100	48	501.049	485.574	15.475
100	49	507.233	485.307	21.926
100	50	494.799	478.359	16.441
100	51	504.986	489.564	15.422
100	52	510.783	495.798	14.985
100	53	507.583	503.547	4.036
100	54	506.630	485.864	20.766
100	55	505.783	491.179	14.604
100	56	494.697	484.011	10.686
100	57	499.850	482.803	17.047
100	58	502.190	486.183	16.007
100	59	503.932	489.491	14.442
100	60	496.861	481.194	15.667
100	61	498.348	483.843	14.505
100	62	503.706	490.572	13.134
102	63	498.683	482.626	16.057
102	64	507.841	491.332	16.509
102	65	506.831	488.711	18.120
102	66	508.299	490.988	17.311
102	67	507.199	488.210	18.990
Max		515.978	520.169	26.816
Average		505.699	496.928	8.771
Min		494.697	478.359	-14.190
Std Dev		5.005	8.930	7.562



7550.1_RT_Open *VIN7p0V		
Test Site	1	1
Tester	ETS364	ETS364
Test Number	EF823401	EF823401
Max Limit	585	KHZ
Min Limit	395	KHZ

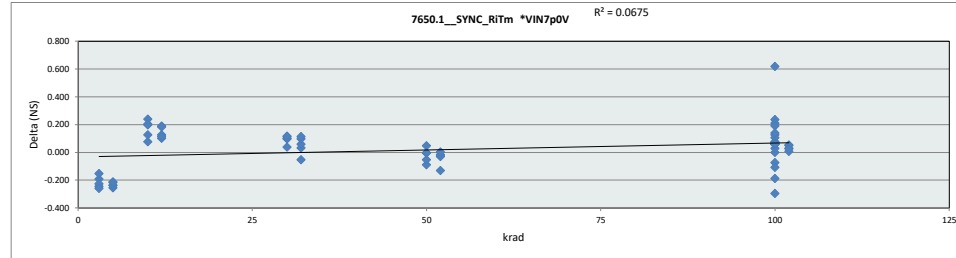
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias
LL	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000
Min	502.061	499.292	497.071	493.824	498.602	491.735	497.039	491.333	478.359	482.626
Average	507.348	507.940	502.963	499.279	501.674	499.562	499.896	498.787	489.321	488.373
Max	517.328	520.169	509.699	508.543	508.009	508.319	503.248	505.055	503.547	491.332
UL	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000



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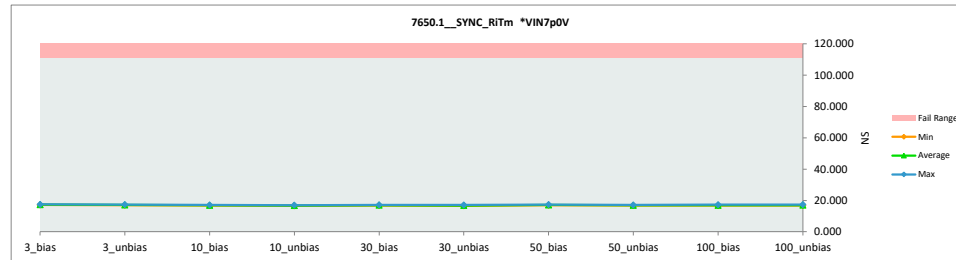
7650.1_SYNC_RITm *VIN7p0V	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	NS
Max Limit	111
Min Limit	111

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	16.933	17.126	-0.193
3	2	16.941	17.187	-0.246
3	3	17.165	17.392	-0.227
3	4	16.988	17.248	-0.260
3	5	17.341	17.494	-0.153
5	6	17.101	17.338	-0.237
5	7	16.986	17.242	-0.255
5	8	16.731	16.969	-0.238
5	9	16.832	17.046	-0.214
5	10	16.694	16.911	-0.217
10	11	16.933	16.695	0.238
10	12	16.941	16.865	0.076
10	13	17.165	16.962	0.203
10	14	16.988	16.862	0.125
10	15	17.341	17.144	0.197
12	16	17.101	16.976	0.125
12	17	16.986	16.885	0.101
12	18	16.731	16.617	0.113
12	19	16.832	16.644	0.188
12	20	16.694	16.512	0.182
30	21	16.933	16.836	0.097
30	22	16.941	16.844	0.097
30	23	17.165	17.054	0.111
30	24	16.988	16.951	0.037
30	25	17.341	17.225	0.116
32	26	17.101	17.070	0.031
32	27	16.986	17.040	-0.054
32	28	16.731	16.673	0.058
32	29	16.832	16.736	0.097
32	30	16.694	16.581	0.113
50	31	16.933	16.887	0.047
50	32	16.941	17.031	-0.090
50	33	17.165	17.170	-0.005
50	34	16.988	17.041	-0.053
50	35	17.341	17.345	-0.004
52	36	17.101	17.119	-0.018
52	37	16.986	17.118	-0.131
52	38	16.731	16.761	-0.031
52	39	16.832	16.851	-0.019
52	40	16.694	16.692	0.003
100	41	16.945	17.242	-0.296
100	42	17.024	16.899	0.125
100	43	16.929	16.929	-0.001
100	44	16.933	17.008	-0.075
100	45	16.941	16.881	0.061
100	46	16.791	16.899	-0.108
100	47	16.951	16.716	0.235
100	48	16.735	16.924	-0.188
100	49	17.306	16.689	0.618
100	50	17.220	17.011	0.209
100	51	17.082	17.013	0.070
100	52	16.989	16.931	0.058
100	53	16.780	16.752	0.028
100	54	16.881	16.777	0.104
100	55	17.139	17.081	0.058
100	56	16.744	16.686	0.058
100	57	17.211	17.021	0.190
100	58	17.410	17.271	0.139
100	59	17.315	17.239	0.076
100	60	17.011	16.947	0.064
100	61	16.954	16.883	0.071
100	62	17.090	17.032	0.058
102	63	17.060	17.054	0.007
102	64	16.872	16.843	0.029
102	65	16.842	16.792	0.050
102	66	17.405	17.354	0.052
102	67	16.860	16.835	0.024
Max	17.410	17.494	0.618	
Average	16.989	16.968	0.021	
Min	16.694	16.512	-0.296	
Std Dev	0.191	0.213	0.156	



7650.1_SYNC_RITm *VIN7p0V	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	NS
Max Limit	111
Min Limit	NS

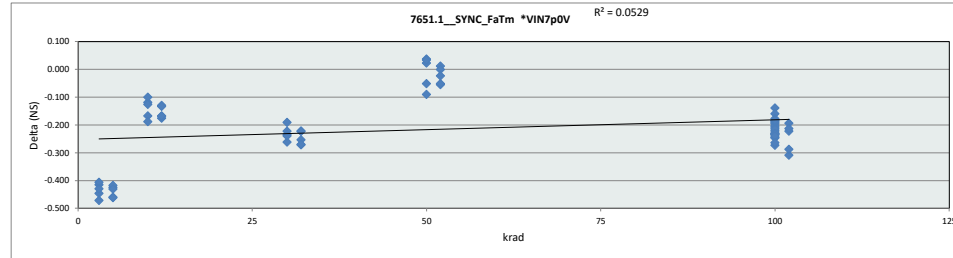
krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased
LL	17.127	16.911	16.695	16.512	16.836	16.581	16.887	16.692	16.686	16.792
Min	17.289	17.101	16.906	16.727	16.982	16.820	17.095	16.908	16.947	16.975
Max	17.494	17.338	17.144	16.976	17.225	17.070	17.345	17.119	17.271	17.354
UL	111.000	111.000	111.000	111.000	111.000	111.000	111.000	111.000	111.000	111.000



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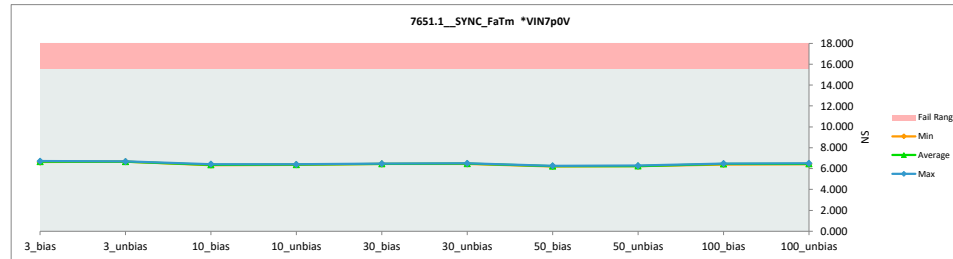
7651.1_SYNC_FaTm *VIN7p0V	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	NS
Max Limit	15.5
Min Limit	15.5

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	6.248	6.663	-0.415
3	2	6.284	6.690	-0.406
3	3	6.174	6.620	-0.446
3	4	6.241	6.713	-0.471
3	5	6.211	6.640	-0.429
5	6	6.235	6.660	-0.425
5	7	6.239	6.657	-0.418
5	8	6.226	6.685	-0.460
5	9	6.195	6.657	-0.462
5	10	6.229	6.660	-0.431
10	11	6.248	6.367	-0.119
10	12	6.284	6.383	-0.100
10	13	6.174	6.341	-0.168
10	14	6.241	6.429	-0.188
10	15	6.211	6.337	-0.126
12	16	6.235	6.411	-0.175
12	17	6.239	6.369	-0.130
12	18	6.226	6.394	-0.168
12	19	6.195	6.363	-0.167
12	20	6.229	6.363	-0.133
30	21	6.248	6.470	-0.222
30	22	6.284	6.474	-0.191
30	23	6.174	6.436	-0.262
30	24	6.241	6.476	-0.235
30	25	6.211	6.450	-0.239
32	26	6.235	6.489	-0.254
32	27	6.239	6.461	-0.222
32	28	6.226	6.497	-0.271
32	29	6.195	6.465	-0.270
32	30	6.229	6.452	-0.223
50	31	6.248	6.225	0.023
50	32	6.284	6.246	0.037
50	33	6.174	6.264	-0.090
50	34	6.241	6.207	0.034
50	35	6.211	6.262	-0.051
52	36	6.235	6.223	0.012
52	37	6.239	6.240	-0.001
52	38	6.226	6.281	-0.055
52	39	6.195	6.246	-0.051
52	40	6.229	6.253	-0.023
100	41	6.230	6.463	-0.233
100	42	6.217	6.425	-0.208
100	43	6.280	6.419	-0.139
100	44	6.232	6.478	-0.247
100	45	6.214	6.433	-0.219
100	46	6.269	6.429	-0.159
100	47	6.263	6.459	-0.196
100	48	6.219	6.444	-0.225
100	49	6.173	6.417	-0.244
100	50	6.261	6.453	-0.192
100	51	6.202	6.436	-0.234
100	52	6.227	6.431	-0.204
100	53	6.228	6.442	-0.214
100	54	6.248	6.425	-0.177
100	55	6.245	6.476	-0.231
100	56	6.269	6.454	-0.185
100	57	6.204	6.437	-0.232
100	58	6.214	6.488	-0.273
100	59	6.213	6.453	-0.239
100	60	6.214	6.403	-0.189
100	61	6.245	6.428	-0.183
100	62	6.231	6.495	-0.264
102	63	6.194	6.503	-0.309
102	64	6.235	6.458	-0.222
102	65	6.237	6.431	-0.194
102	66	6.192	6.479	-0.287
102	67	6.216	6.429	-0.213
	Max	6.284	6.713	0.037
	Average	6.228	6.442	-0.214
	Min	6.173	6.207	-0.471
	Std Dev	0.028	0.121	0.124



7651.1_SYNC_FaTm *VIN7p0V	
Test Site	1
Tester	ETS364
Test Number	EF823401
Max Limit	15.5
Min Limit	NS

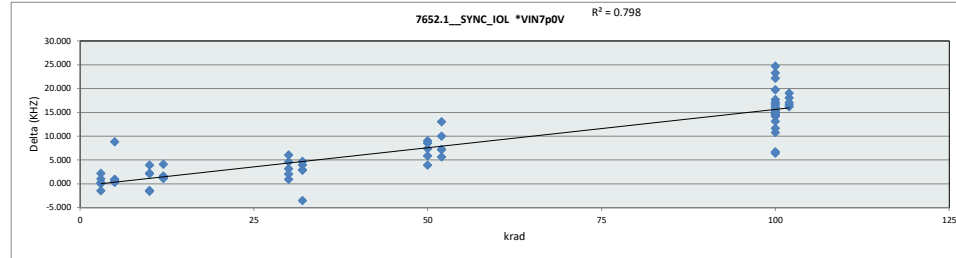
krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased
LL										
Min	6.620	6.657	6.337	6.363	6.436	6.452	6.207	6.223	6.403	6.429
Average	6.665	6.664	6.371	6.380	6.461	6.473	6.241	6.249	6.445	6.460
Max	6.713	6.685	6.429	6.411	6.476	6.497	6.264	6.281	6.495	6.503
UL	15.500	15.500	15.500	15.500	15.500	15.500	15.500	15.500	15.500	15.500



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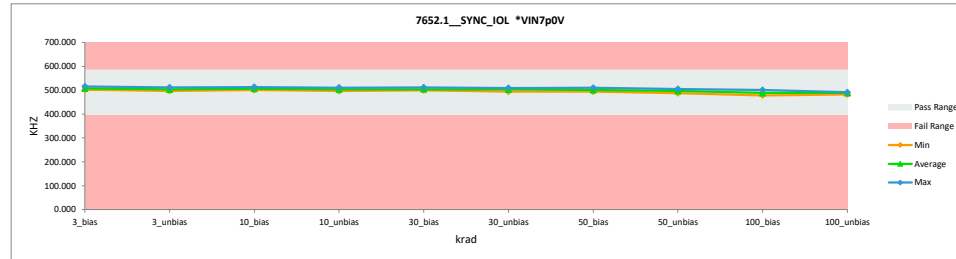
7652.1_SYNC_IOL *VIN7p0V		
Test Site	1	1
Tester	ETS364	ETS364
Test Number	EF823401	EF823401
Unit	KHZ	KHZ
Max Limit	585	585
Min Limit	395	395

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	511.885	509.727	2.158
3	2	502.939	502.933	0.006
3	3	502.876	501.878	0.998
3	4	513.870	515.346	-1.476
3	5	506.441	506.203	0.238
5	6	500.594	499.689	0.905
5	7	498.286	497.460	0.826
5	8	505.810	497.013	8.798
5	9	512.291	511.851	0.441
5	10	509.729	509.469	0.260
10	11	511.885	513.314	-1.429
10	12	502.939	504.559	-1.619
10	13	502.876	500.761	2.115
10	14	513.870	509.964	3.906
10	15	506.441	504.277	2.164
12	16	500.594	496.515	4.079
12	17	498.286	497.139	1.147
12	18	505.810	504.207	1.604
12	19	512.291	510.932	1.359
12	20	509.729	508.623	1.106
30	21	511.885	505.862	6.023
30	22	502.939	502.040	0.899
30	23	502.876	499.743	3.134
30	24	513.870	511.851	2.020
30	25	506.441	501.854	4.587
32	26	500.594	497.741	2.853
32	27	498.286	493.612	4.675
32	28	505.810	509.359	-3.548
32	29	512.291	508.380	3.912
32	30	509.729	506.865	2.864
50	31	511.885	502.875	9.010
50	32	502.939	494.422	8.518
50	33	502.876	497.057	5.819
50	34	513.870	509.976	3.895
50	35	506.441	499.095	7.347
52	36	500.594	487.604	12.990
52	37	498.286	488.308	9.978
52	38	505.810	500.184	5.627
52	39	512.291	505.125	7.166
52	40	509.729	502.534	7.195
100	41	508.539	490.880	17.659
100	42	510.633	493.597	17.036
100	43	502.720	496.309	6.410
100	44	515.432	492.174	23.258
100	45	507.307	500.623	6.684
100	46	501.698	490.968	10.730
100	47	496.158	484.535	11.622
100	48	500.891	486.732	14.160
100	49	507.476	485.341	22.135
100	50	495.543	478.544	16.999
100	51	505.483	490.139	15.344
100	52	510.684	495.710	14.974
100	53	508.074	483.399	24.676
100	54	501.995	485.922	16.073
100	55	505.668	491.198	14.469
100	56	499.062	479.353	19.710
100	57	500.812	484.228	16.584
100	58	502.020	487.635	14.384
100	59	504.250	489.505	14.746
100	60	496.461	481.124	15.336
100	61	499.375	483.338	16.037
100	62	503.640	490.556	13.084
102	63	498.781	482.639	16.142
102	64	508.049	491.454	16.595
102	65	506.851	488.829	18.022
102	66	508.128	491.097	17.032
102	67	507.196	488.167	19.029
	Max	515.432	515.346	24.676
	Average	505.550	497.169	8.380
	Min	495.543	478.544	-3.548
	Std Dev	5.137	9.503	7.273



7652.1_SYNC_IOL *VIN7p0V		
Test Site	1	1
Tester	ETS364	ETS364
Test Number	EF823401	EF823401
Max Limit	585	KHZ
Min Limit	395	KHZ

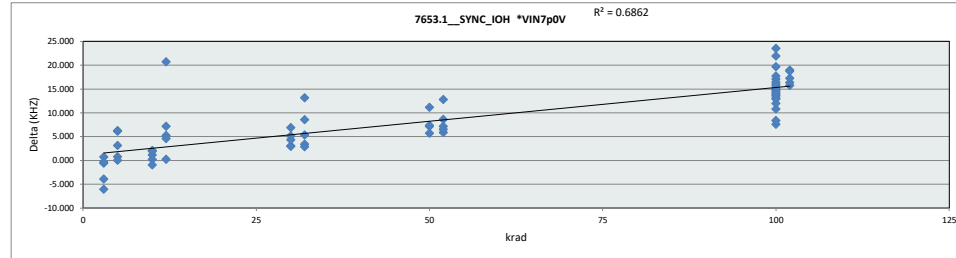
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LL	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000
Min	501.878	497.013	500.761	496.515	499.743	493.612	494.422	487.604	478.544	482.639
Average	507.218	503.096	506.575	503.483	504.270	503.191	500.685	496.751	488.264	488.437
Max	515.346	511.851	513.314	510.932	511.851	509.359	509.976	505.125	500.623	491.455
UL	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000



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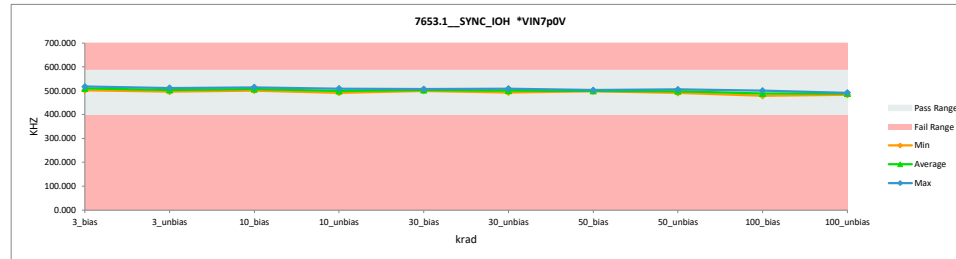
7653.1_SYNC_IOH *VIN7p0V	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	KHZ
Max Limit	585
Min Limit	395

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	510.002	510.582	-0.580
3	2	504.889	510.940	-6.051
3	3	502.844	502.118	0.725
3	4	513.446	517.338	-3.892
3	5	506.179	506.516	-0.337
5	6	505.900	499.759	6.141
5	7	499.111	495.962	3.149
5	8	506.056	499.805	6.252
5	9	512.299	511.506	0.793
5	10	509.216	509.174	0.043
10	11	510.002	509.775	0.227
10	12	504.889	503.727	1.162
10	13	502.844	500.747	2.097
10	14	513.446	514.380	-0.935
10	15	506.179	504.235	1.944
12	16	505.900	498.739	7.161
12	17	499.111	493.883	5.228
12	18	506.056	501.472	4.585
12	19	512.299	491.605	20.694
12	20	509.216	508.976	0.240
30	21	510.002	506.935	3.067
30	22	504.889	499.754	5.134
30	23	502.844	499.892	2.952
30	24	513.446	506.545	6.901
30	25	506.179	501.861	4.318
32	26	505.900	492.759	13.141
32	27	499.111	493.764	5.348
32	28	506.056	497.489	8.567
32	29	512.299	508.885	3.414
32	30	509.216	506.349	2.867
50	31	510.002	502.846	7.156
50	32	504.889	497.628	7.261
50	33	502.844	497.122	5.722
50	34	513.446	502.297	11.149
50	35	506.179	498.844	7.335
52	36	505.900	493.100	12.800
52	37	499.111	490.510	8.601
52	38	506.056	500.186	5.871
52	39	512.299	505.144	7.155
52	40	509.216	502.696	6.520
100	41	508.630	490.927	17.704
100	42	510.669	493.581	17.089
100	43	507.193	494.279	12.914
100	44	515.544	492.039	23.505
100	45	507.713	500.111	7.603
100	46	501.222	490.445	10.777
100	47	493.470	485.082	8.389
100	48	501.475	486.587	14.888
100	49	507.247	485.332	21.914
100	50	495.099	478.627	16.472
100	51	505.594	489.539	16.055
100	52	510.697	495.786	14.910
100	53	507.739	494.027	13.712
100	54	505.604	485.919	19.685
100	55	505.564	491.247	14.316
100	56	497.578	485.608	11.970
100	57	497.542	484.013	13.529
100	58	502.189	487.149	15.040
100	59	504.198	489.525	14.673
100	60	496.539	480.851	15.688
100	61	497.918	483.894	14.024
100	62	503.659	490.556	13.103
102	63	498.373	482.636	15.737
102	64	507.816	491.456	16.359
102	65	507.244	488.306	18.938
102	66	508.362	491.108	17.254
102	67	507.307	488.563	18.744
Max		515.544	517.338	23.505
Average		505.850	496.911	8.939
Min		493.470	478.627	-6.051
Std Dev		4.894	8.883	6.874



7653.1_SYNC_IOH *VIN7p0V	
Test Site	1
Tester	ETS364
Test Number	EF823401
Max Limit	585 KHZ
Min Limit	395 KHZ

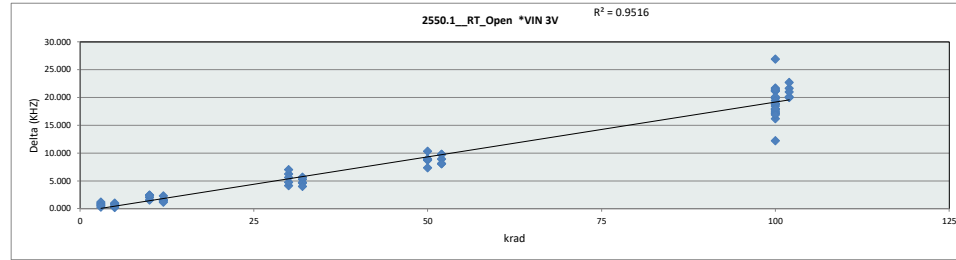
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias
LL	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000
Min	502.119	495.962	500.747	491.605	499.754	492.759	497.122	490.510	478.627	482.636
Average	509.499	503.241	506.573	498.935	502.997	499.849	499.747	498.327	488.869	488.414
Max	517.338	511.506	514.380	508.976	506.935	508.885	502.846	505.144	500.111	491.456
UL	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000



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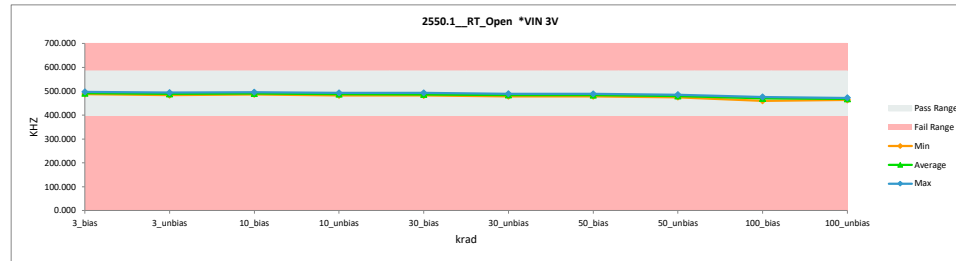
2550.1_RT_Open *VIN 3V	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	KHZ
Max Limit	585
Min Limit	395

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	495.656	494.737	0.919
3	2	489.061	488.352	0.710
3	3	490.553	489.389	1.164
3	4	497.568	497.299	0.269
3	5	490.263	489.737	0.526
5	6	484.973	484.781	0.191
5	7	484.033	483.399	0.634
5	8	489.584	488.600	0.984
5	9	494.998	494.180	0.818
5	10	493.448	493.090	0.358
10	11	495.656	493.331	2.326
10	12	489.061	487.066	1.995
10	13	490.553	488.123	2.431
10	14	497.568	496.033	1.535
10	15	490.263	487.897	2.366
12	16	484.973	483.399	1.573
12	17	484.033	482.656	1.378
12	18	489.584	488.054	1.531
12	19	494.998	492.732	2.266
12	20	493.448	492.311	1.137
30	21	495.656	489.431	6.225
30	22	489.061	482.077	6.984
30	23	490.553	486.435	4.118
30	24	497.568	492.817	4.751
30	25	490.263	484.675	5.588
32	26	484.973	480.290	4.682
32	27	484.033	478.762	5.271
32	28	489.584	484.965	4.619
32	29	494.998	489.364	5.634
32	30	493.448	489.453	3.994
50	31	495.656	486.800	8.857
50	32	489.061	478.762	10.299
50	33	490.553	483.221	7.333
50	34	497.568	488.860	8.708
50	35	490.263	481.359	8.904
52	36	484.973	475.245	9.728
52	37	484.033	475.121	8.912
52	38	489.584	481.539	8.046
52	39	494.998	485.230	9.768
52	40	493.448	485.377	8.070
100	41	490.941	474.779	16.161
100	42	493.911	472.794	21.117
100	43	492.393	475.160	17.232
100	44	495.556	474.365	21.191
100	45	492.810	475.712	17.098
100	46	484.960	472.761	12.199
100	47	487.102	465.433	21.669
100	48	486.953	469.438	17.515
100	49	494.840	467.943	26.897
100	50	479.406	459.556	19.850
100	51	491.521	473.076	18.445
100	52	493.017	474.161	18.856
100	53	492.007	470.720	21.286
100	54	488.712	467.202	21.510
100	55	490.193	472.412	17.781
100	56	483.156	463.053	20.103
100	57	486.064	466.625	19.439
100	58	488.666	470.729	17.937
100	59	489.746	471.029	18.717
100	60	483.782	464.877	18.905
100	61	483.628	465.682	17.946
100	62	489.515	472.643	16.872
102	63	483.185	463.213	19.972
102	64	490.536	470.424	20.112
102	65	488.810	467.178	21.632
102	66	493.365	472.393	20.972
102	67	490.673	467.976	22.697
Max		497.568	497.299	26.897
Average		490.239	479.945	10.294
Min		479.406	459.556	0.191
Std Dev		4.282	9.824	8.139



2550.1_RT_Open *VIN 3V	
Test Site	1
Tester	ETS364
Test Number	EF823401
Max Limit	585 KHZ
Min Limit	395 KHZ

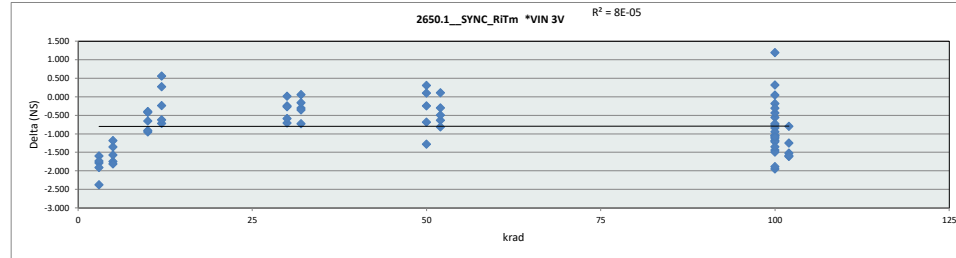
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias
LL	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000
Min	488.352	483.399	487.066	482.656	482.077	478.762	478.762	475.121	459.556	463.213
Average	491.903	488.810	490.490	487.830	487.087	484.567	483.800	480.502	470.007	468.237
Max	497.299	494.180	496.033	492.732	492.817	489.453	488.860	485.377	475.712	472.393
UL	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000



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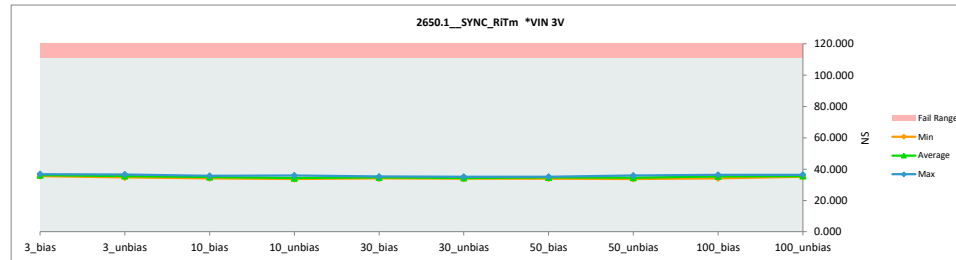
2650.1_SYNC_RITm *VIN 3V	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	NS
Max Limit	111
Min Limit	111

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	35.237	36.836	-1.599
3	2	33.759	35.549	-1.789
3	3	33.755	35.490	-1.735
3	4	34.287	36.201	-1.913
3	5	34.445	36.825	-2.380
5	6	35.209	36.565	-1.356
5	7	33.993	35.742	-1.749
5	8	33.459	34.644	-1.185
5	9	34.477	36.053	-1.576
5	10	33.299	35.112	-1.813
10	11	35.237	35.636	-0.399
10	12	33.759	34.712	-0.953
10	13	33.755	34.177	-0.423
10	14	34.287	35.201	-0.914
10	15	34.445	35.104	-0.659
12	16	35.209	35.931	-0.722
12	17	33.993	33.725	0.268
12	18	33.459	33.699	-0.240
12	19	34.477	33.920	0.557
12	20	33.299	33.925	-0.626
30	21	35.237	35.224	0.013
30	22	33.759	34.469	-0.710
30	23	33.755	34.004	-0.249
30	24	34.287	34.878	-0.591
30	25	34.445	34.717	-0.272
32	26	35.209	35.155	0.054
32	27	33.993	34.298	-0.306
32	28	33.459	33.816	-0.357
32	29	34.477	34.640	-0.163
32	30	33.299	34.030	-0.731
50	31	35.237	35.138	0.099
50	32	33.759	35.043	-1.284
50	33	33.755	34.443	-0.688
50	34	34.287	33.985	0.303
50	35	34.445	34.694	-0.249
52	36	35.209	35.846	-0.637
52	37	33.993	34.811	-0.818
52	38	33.459	33.762	-0.303
52	39	34.477	34.371	0.106
52	40	33.299	33.798	-0.499
100	41	34.718	35.833	-1.114
100	42	34.567	35.338	-0.771
100	43	34.054	35.497	-1.443
100	44	35.145	34.832	0.313
100	45	35.234	35.794	-0.561
100	46	33.570	35.521	-1.951
100	47	34.765	34.724	0.041
100	48	33.786	35.676	-1.889
100	49	35.322	34.133	1.189
100	50	33.948	34.680	-0.732
100	51	35.241	36.290	-1.049
100	52	34.833	35.677	-0.844
100	53	34.145	34.332	-0.187
100	54	34.026	35.522	-1.497
100	55	34.073	35.116	-1.043
100	56	33.681	34.862	-1.181
100	57	34.508	35.724	-1.216
100	58	35.470	35.911	-0.441
100	59	34.861	36.215	-1.354
100	60	34.958	35.904	-0.947
100	61	34.587	35.673	-1.086
100	62	34.346	34.656	-0.310
102	63	33.542	35.153	-1.611
102	64	33.897	35.419	-1.522
102	65	34.129	35.380	-1.251
102	66	34.943	35.745	-0.802
102	67	34.849	36.444	-1.595
Max		35.470	36.836	1.189
Average		34.312	35.108	-0.796
Min		33.299	33.699	-2.380
Std Dev		0.629	0.810	0.703



2650.1_SYNC_RITm *VIN 3V	
Test Site	1
Tester	ETS364
Test Number	EF823401
Max Limit	111
Min Limit	NS

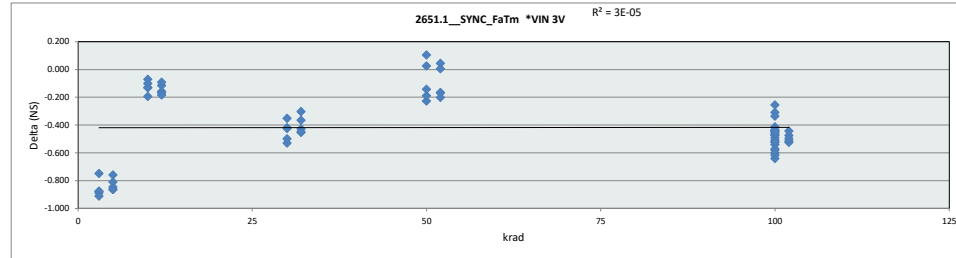
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LL	35.490	34.644	34.177	33.699	34.004	33.816	33.985	33.762	34.133	35.153
Min	36.180	35.623	34.966	34.240	34.659	34.388	34.661	34.518	35.360	35.628
Max	36.836	36.565	35.636	35.931	35.224	35.155	35.138	35.846	36.290	36.445
UL	111.000	111.000	111.000	111.000	111.000	111.000	111.000	111.000	111.000	111.000



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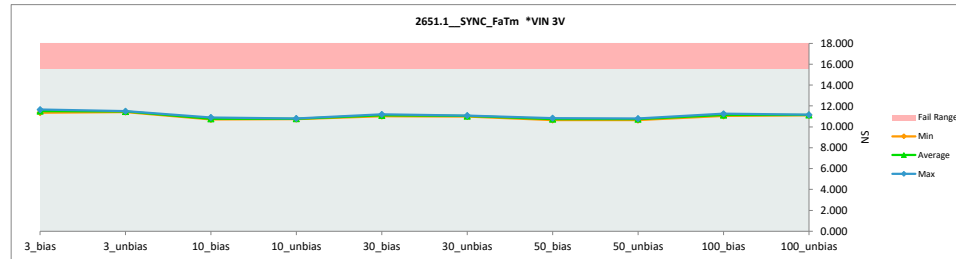
2651.1_SYNC_FaTm *VIN 3V		
Test Site	1	
Tester	ETS364	
Test Number	EF823401	
Unit	NS	
Max Limit	15.5	
Min Limit	15.5	

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	10.675	11.552	-0.877
3	2	10.605	11.494	-0.889
3	3	10.610	11.360	-0.749
3	4	10.770	11.647	-0.878
3	5	10.577	11.489	-0.912
5	6	10.584	11.430	-0.846
5	7	10.628	11.492	-0.865
5	8	10.610	11.474	-0.864
5	9	10.691	11.501	-0.810
5	10	10.661	11.420	-0.759
10	11	10.675	10.746	-0.072
10	12	10.605	10.736	-0.131
10	13	10.610	10.712	-0.101
10	14	10.770	10.901	-0.131
10	15	10.577	10.771	-0.194
12	16	10.584	10.743	-0.159
12	17	10.628	10.796	-0.168
12	18	10.610	10.795	-0.185
12	19	10.691	10.807	-0.116
12	20	10.661	10.754	-0.092
30	21	10.675	11.027	-0.352
30	22	10.605	11.136	-0.531
30	23	10.610	11.030	-0.419
30	24	10.770	11.194	-0.425
30	25	10.577	11.076	-0.499
32	26	10.584	11.012	-0.428
32	27	10.628	11.081	-0.453
32	28	10.610	11.060	-0.450
32	29	10.691	10.995	-0.304
32	30	10.661	11.027	-0.366
50	31	10.675	10.650	0.025
50	32	10.605	10.834	-0.229
50	33	10.610	10.800	-0.189
50	34	10.770	10.667	0.103
50	35	10.577	10.720	-0.143
52	36	10.584	10.786	-0.202
52	37	10.628	10.795	-0.167
52	38	10.610	10.779	-0.169
52	39	10.691	10.648	0.043
52	40	10.661	10.657	0.004
100	41	10.576	11.067	-0.491
100	42	10.693	11.136	-0.443
100	43	10.666	11.102	-0.436
100	44	10.742	11.217	-0.475
100	45	10.825	11.082	-0.256
100	46	10.624	11.038	-0.414
100	47	10.597	11.199	-0.602
100	48	10.703	11.167	-0.465
100	49	10.802	11.112	-0.309
100	50	10.752	11.090	-0.337
100	51	10.612	11.154	-0.542
100	52	10.632	11.080	-0.448
100	53	10.613	11.186	-0.573
100	54	10.595	11.066	-0.471
100	55	10.632	11.250	-0.618
100	56	10.665	11.099	-0.434
100	57	10.577	11.101	-0.524
100	58	10.627	11.135	-0.509
100	59	10.686	11.139	-0.453
100	60	10.518	11.099	-0.581
100	61	10.670	11.193	-0.523
100	62	10.548	11.190	-0.642
102	63	10.593	11.108	-0.515
102	64	10.680	11.155	-0.475
102	65	10.611	11.136	-0.525
102	66	10.650	11.148	-0.498
102	67	10.672	11.116	-0.443
Max		10.825	11.647	0.103
Average		10.645	11.062	-0.417
Min		10.518	10.648	-0.912
Std Dev		0.063	0.248	0.253



2651.1_SYNC_FaTm *VIN 3V		
Test Site	1	
Tester	ETS364	
Test Number	EF823401	
Unit	NS	
Max Limit	15.5	
Min Limit	NS	

krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased
LL	11.360	11.420	10.712	10.743	11.027	10.995	10.650	10.648	11.038	11.108
Min	11.508	11.464	10.773	10.779	11.093	11.035	10.734	10.733	11.132	11.133
Max	11.647	11.501	10.901	10.807	11.194	11.081	10.834	10.795	11.250	11.155
UL	15.500	15.500	15.500	15.500	15.500	15.500	15.500	15.500	15.500	15.500

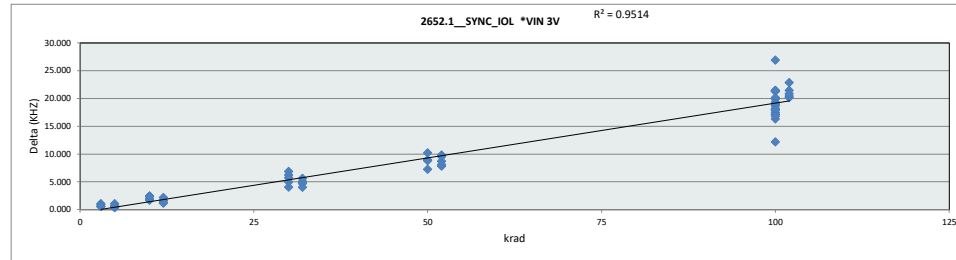




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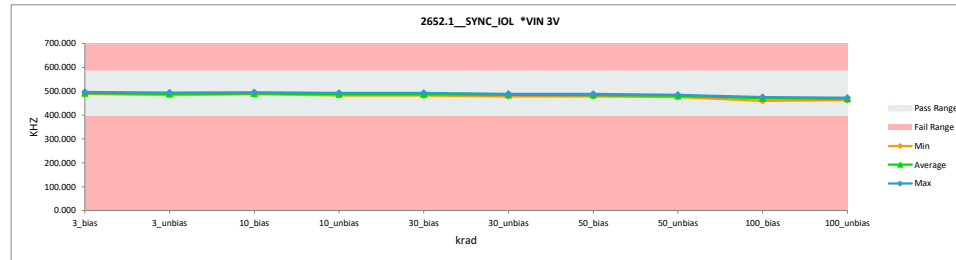
2652.1_SYNC_IOL *VIN 3V		
Test Site	1	1
Tester	ETS364	ETS364
Test Number	EF823401	EF823401
Unit	KHZ	KHZ
Max Limit	585	585
Min Limit	395	395

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	495.688	494.813	0.875
3	2	488.957	488.405	0.553
3	3	490.572	489.545	1.027
3	4	497.717	497.177	0.540
3	5	490.331	489.780	0.552
5	6	485.095	484.760	0.335
5	7	483.797	483.355	0.442
5	8	489.626	488.586	1.040
5	9	494.888	494.162	0.726
5	10	493.376	493.007	0.369
10	11	495.688	493.300	2.387
10	12	488.957	487.036	1.921
10	13	490.572	488.169	2.403
10	14	497.717	496.062	1.655
10	15	490.331	487.982	2.349
12	16	485.095	483.454	1.641
12	17	483.797	482.579	1.218
12	18	489.626	488.030	1.595
12	19	494.888	492.732	2.157
12	20	493.376	492.236	1.140
30	21	495.688	489.482	6.206
30	22	488.957	482.104	6.854
30	23	490.572	486.542	4.030
30	24	497.717	492.766	4.951
30	25	490.331	484.633	5.699
32	26	485.095	480.212	4.883
32	27	483.797	478.732	5.065
32	28	489.626	484.969	4.657
32	29	494.888	489.296	5.593
32	30	493.376	489.372	4.004
50	31	495.688	486.792	8.895
50	32	488.957	478.756	10.202
50	33	490.572	483.326	7.247
50	34	497.717	488.929	8.789
50	35	490.331	481.421	8.911
52	36	485.095	475.286	9.809
52	37	483.797	475.104	8.693
52	38	489.626	481.820	7.806
52	39	494.888	485.362	9.527
52	40	493.376	485.316	8.060
100	41	491.033	474.730	16.303
100	42	494.103	472.765	21.338
100	43	492.314	475.141	17.173
100	44	495.552	474.218	21.334
100	45	492.814	475.743	17.070
100	46	484.949	472.777	12.172
100	47	487.031	465.581	21.451
100	48	486.980	469.529	17.451
100	49	494.771	467.884	26.887
100	50	479.347	459.492	19.854
100	51	491.344	473.161	18.183
100	52	493.199	474.125	19.074
100	53	491.916	470.666	21.250
100	54	488.641	467.239	21.402
100	55	490.257	472.371	17.887
100	56	483.220	463.074	20.146
100	57	486.022	466.729	19.292
100	58	488.521	470.666	17.855
100	59	489.772	471.097	18.675
100	60	483.707	464.801	18.906
100	61	483.639	465.645	17.993
100	62	489.423	472.624	16.800
102	63	483.177	463.043	20.134
102	64	490.760	470.346	20.414
102	65	488.724	467.287	21.437
102	66	493.326	472.515	20.811
102	67	490.649	467.810	22.838
	Max	497.717	497.177	26.887
	Average	490.230	479.947	10.283
	Min	479.347	459.492	0.335
	Std Dev	4.310	9.830	8.143



2652.1_SYNC_IOL *VIN 3V		
Test Site	1	1
Tester	ETS364	ETS364
Test Number	EF823401	EF823401
Max Limit	585	KHZ
Min Limit	395	KHZ

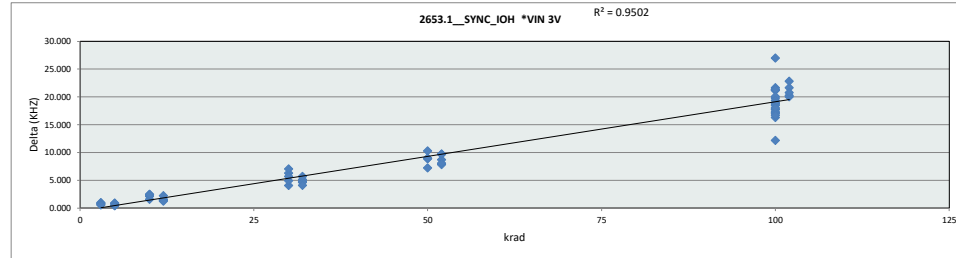
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LL	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000
Min	488.405	483.355	487.036	482.579	482.104	478.732	478.756	475.104	459.492	463.043
Average	491.944	488.774	490.510	487.806	487.105	484.516	483.845	480.578	470.003	468.200
Max	497.177	494.162	496.062	492.732	492.766	489.372	488.929	485.362	475.744	472.515
UL	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000



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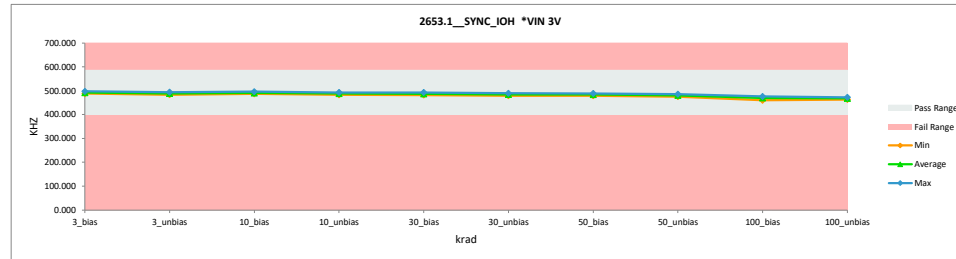
2653.1_SYNC_IOH *VIN 3V	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	KHZ
Max Limit	585
Min Limit	395

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	495.728	494.876	0.852
3	2	489.063	488.219	0.845
3	3	490.456	489.471	0.985
3	4	497.705	497.088	0.617
3	5	490.382	489.820	0.562
5	6	485.067	484.656	0.411
5	7	483.918	483.368	0.550
5	8	489.561	488.689	0.873
5	9	494.989	494.098	0.891
5	10	493.466	493.003	0.462
10	11	495.728	493.255	2.473
10	12	489.063	486.946	2.117
10	13	490.456	488.079	2.377
10	14	497.705	496.120	1.585
10	15	490.382	487.975	2.407
12	16	485.067	483.504	1.563
12	17	483.918	482.549	1.369
12	18	489.561	487.992	1.569
12	19	494.989	492.752	2.238
12	20	493.466	492.234	1.232
30	21	495.728	489.446	6.282
30	22	489.063	482.012	7.051
30	23	490.456	486.384	4.072
30	24	497.705	492.795	4.910
30	25	490.382	484.693	5.688
32	26	485.067	480.230	4.837
32	27	483.918	478.801	5.117
32	28	489.561	484.938	4.623
32	29	494.989	489.295	5.694
32	30	493.466	489.378	4.087
50	31	495.728	486.793	8.935
50	32	489.063	478.769	10.294
50	33	490.456	483.228	7.228
50	34	497.705	488.814	8.891
50	35	490.382	481.409	8.972
52	36	485.067	475.500	9.667
52	37	483.918	475.214	8.704
52	38	489.561	481.739	7.822
52	39	494.989	485.240	9.749
52	40	493.466	485.389	8.076
100	41	491.059	474.770	16.289
100	42	494.003	472.720	21.283
100	43	492.291	475.137	17.154
100	44	495.478	474.309	21.169
100	45	492.691	475.718	16.973
100	46	484.897	472.732	12.165
100	47	487.192	465.537	21.655
100	48	486.923	469.621	17.302
100	49	494.903	467.923	26.980
100	50	479.289	459.505	19.784
100	51	491.550	473.085	18.466
100	52	493.020	474.114	18.906
100	53	491.995	470.743	21.252
100	54	488.669	467.308	21.361
100	55	490.130	472.444	17.686
100	56	483.185	463.110	20.074
100	57	486.067	466.702	19.365
100	58	488.514	470.685	17.829
100	59	489.801	471.107	18.694
100	60	483.779	464.866	18.912
100	61	483.666	465.634	18.032
100	62	489.462	472.769	16.693
102	63	483.162	463.134	20.028
102	64	490.636	470.376	20.259
102	65	488.831	467.180	21.651
102	66	493.262	472.489	20.773
102	67	490.642	467.818	22.824
Max		497.705	497.088	26.980
Average		490.245	479.943	10.302
Min		479.289	459.505	0.411
Std Dev		4.309	9.809	8.115



2653.1_SYNC_IOH *VIN 3V	
Test Site	1
Tester	ETS364
Test Number	EF823401
Max Limit	585 KHZ
Min Limit	395 KHZ

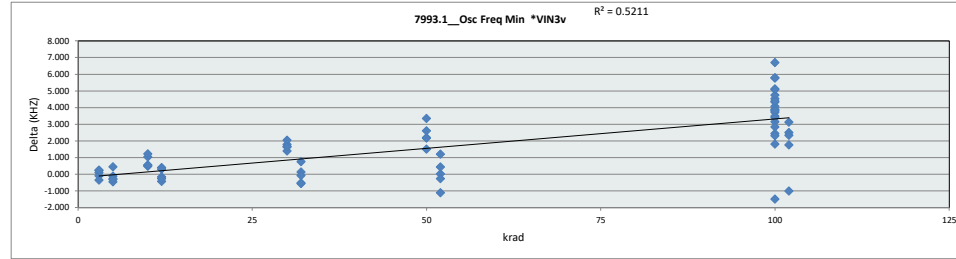
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LL	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000
Min	488.219	483.368	486.946	482.549	482.012	478.801	478.769	475.214	459.506	463.134
Average	491.895	488.763	490.475	487.806	487.066	484.528	483.803	480.597	470.024	468.199
Max	497.088	494.098	496.120	492.752	492.795	489.378	488.814	485.389	475.718	472.489
UL	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000



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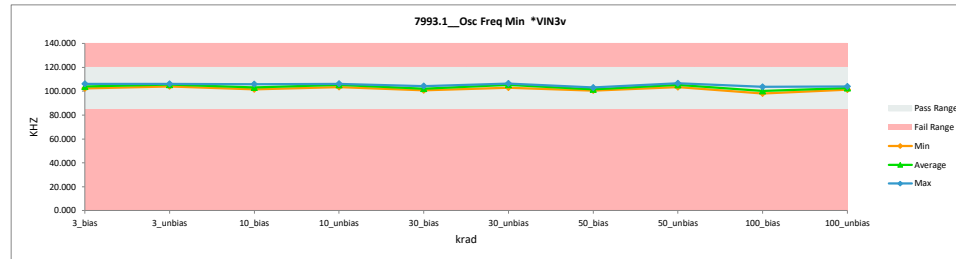
7993.1_Osc Freq Min *VIN3v			
Test Site	1		1
Tester	ETS364	ETS364	
Test Number	EF823401	EF823401	
Unit	KHZ		KHZ
Max Limit	120		120
Min Limit	85		85

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	103.571	103.472	0.099
3	2	104.677	104.772	-0.095
3	3	102.128	102.482	-0.354
3	4	106.436	106.188	0.248
3	5	102.872	102.646	0.227
5	6	106.673	106.229	0.444
5	7	105.225	105.343	-0.118
5	8	103.795	104.079	-0.285
5	9	105.753	106.205	-0.452
5	10	105.321	105.621	-0.300
10	11	103.571	103.096	0.475
10	12	104.677	103.636	1.041
10	13	102.128	101.602	0.527
10	14	106.436	105.883	0.553
10	15	102.872	101.650	1.222
12	16	106.673	106.271	0.403
12	17	105.225	105.655	-0.430
12	18	103.795	103.486	0.309
12	19	105.753	105.916	-0.163
12	20	105.321	105.584	-0.263
30	21	103.571	101.907	1.664
30	22	104.677	102.894	1.783
30	23	102.128	100.736	1.393
30	24	106.436	104.397	2.039
30	25	102.872	101.238	1.635
32	26	106.673	106.544	0.129
32	27	105.225	105.296	-0.071
32	28	103.795	103.043	0.752
32	29	105.753	106.273	-0.520
32	30	105.321	105.881	-0.561
50	31	103.571	100.972	2.599
50	32	104.677	102.492	2.185
50	33	102.128	100.624	1.504
50	34	106.436	103.090	3.346
50	35	102.872	100.700	2.173
52	36	106.673	106.652	0.021
52	37	105.225	104.020	1.205
52	38	103.795	103.357	0.438
52	39	105.753	106.020	-0.267
52	40	105.321	106.430	-1.110
100	41	103.341	99.858	3.483
100	42	104.491	101.348	3.143
100	43	102.143	103.634	-1.491
100	44	104.599	100.069	4.530
100	45	106.661	99.962	6.699
100	46	104.935	101.215	3.720
100	47	103.952	99.884	4.069
100	48	103.028	100.590	2.438
100	49	104.078	100.181	3.887
100	50	100.571	98.767	1.804
100	51	103.498	100.664	2.834
100	52	106.961	101.187	5.774
100	53	101.155	98.846	2.309
100	54	105.178	99.400	5.778
100	55	105.050	100.310	4.741
100	56	102.428	98.099	4.328
100	57	104.221	100.373	3.848
100	58	103.430	99.635	3.796
100	59	103.845	98.767	5.078
100	60	105.900	101.516	4.384
100	61	105.102	99.987	5.115
100	62	104.955	101.560	3.396
102	63	102.336	103.346	-1.010
102	64	105.111	103.359	1.752
102	65	106.492	103.995	2.497
102	66	104.032	101.701	2.331
102	67	104.439	101.315	3.124
Max		106.961	106.652	6.699
Average		104.444	102.716	1.728
Min		100.571	98.099	-1.491
Std Dev		1.508	2.425	1.971



7993.1_Osc Freq Min *VIN3v			
Test Site	1		1
Tester	ETS364	ETS364	
Test Number	EF823401	EF823401	
Unit	KHZ		KHZ
Max Limit	120		120
Min Limit	85		85

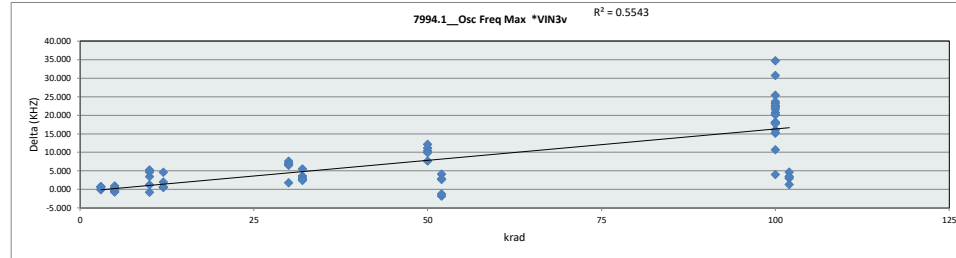
krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased
LL	85.000	85.000	85.000	85.000	85.000	85.000	85.000	85.000	85.000	85.000
Min	102.483	104.079	101.602	103.486	100.736	103.043	100.624	103.357	98.099	101.315
Average	103.912	105.496	103.173	105.382	102.234	105.408	101.576	105.296	100.267	102.743
Max	106.188	106.230	105.883	106.271	104.397	106.544	103.090	106.652	103.634	103.995
UL	120.000	120.000	120.000	120.000	120.000	120.000	120.000	120.000	120.000	120.000



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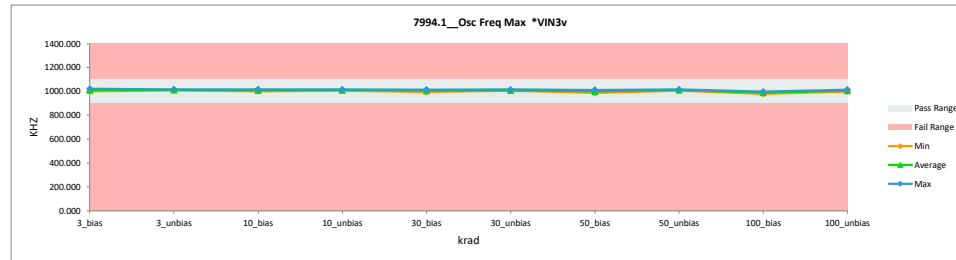
7994.1_Osc Freq Max *VIN3v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	KHZ
Max Limit	1100
Min Limit	900

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	1012.019	1012.114	-0.094
3	2	1022.437	1021.735	0.702
3	3	1006.611	1005.899	0.711
3	4	1011.958	1011.967	-0.008
3	5	1000.725	1000.146	0.580
5	6	1011.553	1012.186	-0.634
5	7	1008.429	1008.679	-0.250
5	8	1018.288	1017.386	0.901
5	9	1011.969	1012.691	-0.722
5	10	1011.061	1010.629	0.432
10	11	1012.019	1008.596	3.423
10	12	1022.437	1017.765	4.672
10	13	1006.611	1001.406	5.205
10	14	1011.958	1010.732	1.226
10	15	1000.725	1001.522	-0.797
12	16	1011.553	1010.999	0.554
12	17	1008.429	1007.880	0.549
12	18	1018.288	1016.331	1.957
12	19	1011.969	1007.369	4.600
12	20	1011.061	1010.453	0.608
30	21	1012.019	1010.270	1.749
30	22	1022.437	1014.854	7.583
30	23	1006.611	999.563	7.047
30	24	1011.958	1005.365	6.594
30	25	1000.725	994.212	6.514
32	26	1011.553	1007.975	3.578
32	27	1008.429	1005.405	3.024
32	28	1018.288	1015.560	2.728
32	29	1011.969	1006.459	5.510
32	30	1011.061	1008.674	2.387
50	31	1012.019	1004.390	7.629
50	32	1022.437	1012.041	10.396
50	33	1006.611	995.503	11.108
50	34	1011.958	1002.089	9.869
50	35	1000.725	988.591	12.134
52	36	1011.553	1007.465	4.088
52	37	1008.429	1005.633	2.796
52	38	1018.288	1015.614	2.673
52	39	1011.969	1013.834	-1.866
52	40	1011.061	1012.341	-1.280
100	41	1019.560	984.878	34.682
100	42	1012.564	996.523	16.041
100	43	1015.892	990.503	25.389
100	44	1003.933	993.264	10.669
100	45	1011.892	989.304	22.588
100	46	1010.599	989.889	20.710
100	47	1001.661	997.687	3.974
100	48	1012.357	981.659	30.698
100	49	1008.943	990.938	18.005
100	50	1006.341	988.431	17.910
100	51	1010.267	990.124	20.144
100	52	1015.276	995.106	20.170
100	53	1006.644	983.492	23.153
100	54	1005.346	983.784	21.562
100	55	1014.415	996.304	18.111
100	56	1002.835	979.164	23.670
100	57	1012.411	990.305	22.105
100	58	1005.697	987.932	17.764
100	59	996.762	978.981	17.781
100	60	1020.668	998.244	22.424
100	61	1005.752	990.593	15.159
100	62	1009.002	993.803	15.199
102	63	1016.196	1014.901	1.295
102	64	1016.397	1013.423	2.974
102	65	1011.792	1007.142	4.650
102	66	1004.487	1001.003	3.484
102	67	1002.494	999.186	3.308
Max		1022.437	1021.735	34.682
Average		1010.752	1002.073	8.679
Min		996.762	978.981	-1.866
Std Dev		5.791	10.863	9.112



7994.1_Osc Freq Max *VIN3v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Max Limit	1100 KHZ
Min Limit	900 KHZ

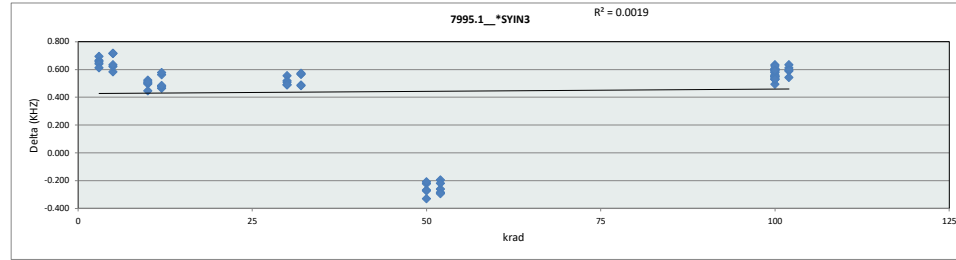
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LL	900.000	900.000	900.000	900.000	900.000	900.000	900.000	900.000	900.000	900.000
Min	1000.146	1008.679	1001.406	1007.369	994.212	1005.405	988.591	1005.633	978.981	999.186
Average	1010.372	1012.314	1008.004	1010.606	1004.853	1008.814	1000.523	1010.978	989.587	1007.131
Max	1021.735	1017.386	1017.765	1016.331	1014.855	1015.560	1012.041	1015.614	998.244	1014.901
UL	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000



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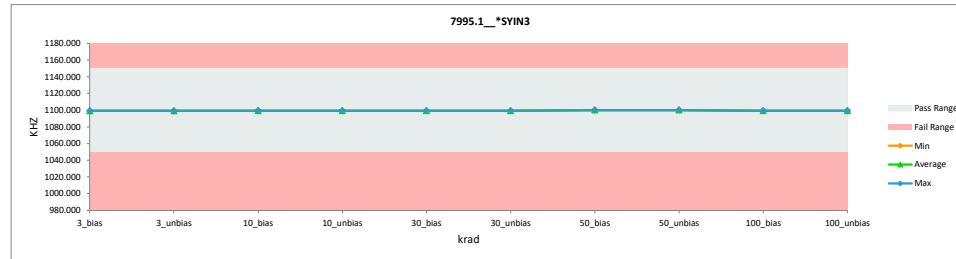
7995.1_*SYIN3		
Test Site	1	
Tester	ETS364	ETS364
Test Number	EF823401	EF823401
Unit	KHZ	
Max Limit	1150	
Min Limit	1050	

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	1099.793	1099.129	0.664
3	2	1099.849	1099.156	0.693
3	3	1099.807	1099.153	0.654
3	4	1099.767	1099.126	0.641
3	5	1099.753	1099.142	0.611
5	6	1099.844	1099.130	0.714
5	7	1099.766	1099.184	0.582
5	8	1099.776	1099.156	0.620
5	9	1099.787	1099.154	0.633
5	10	1099.817	1099.101	0.716
10	11	1099.793	1099.297	0.495
10	12	1099.849	1099.327	0.522
10	13	1099.807	1099.304	0.503
10	14	1099.767	1099.257	0.510
10	15	1099.753	1099.307	0.446
12	16	1099.844	1099.283	0.561
12	17	1099.766	1099.302	0.464
12	18	1099.776	1099.301	0.475
12	19	1099.787	1099.303	0.484
12	20	1099.817	1099.240	0.577
30	21	1099.793	1099.305	0.488
30	22	1099.849	1099.295	0.554
30	23	1099.807	1099.289	0.518
30	24	1099.767	1099.260	0.507
30	25	1099.753	1099.263	0.490
32	26	1099.844	1099.279	0.565
32	27	1099.766	1099.278	0.487
32	28	1099.776	1099.294	0.483
32	29	1099.787	1099.221	0.566
32	30	1099.817	1099.245	0.572
50	31	1099.793	1100.062	-0.269
50	32	1099.849	1100.072	-0.223
50	33	1099.807	1100.016	-0.209
50	34	1099.767	1100.041	-0.274
50	35	1099.753	1100.084	-0.331
52	36	1099.844	1100.039	-0.195
52	37	1099.766	1100.051	-0.285
52	38	1099.776	1100.037	-0.261
52	39	1099.787	1100.082	-0.295
52	40	1099.817	1100.037	-0.220
100	41	1099.759	1099.211	0.548
100	42	1099.760	1099.233	0.527
100	43	1099.773	1099.238	0.535
100	44	1099.796	1099.199	0.597
100	45	1099.806	1099.246	0.560
100	46	1099.752	1099.146	0.606
100	47	1099.814	1099.182	0.633
100	48	1099.750	1099.171	0.579
100	49	1099.722	1099.228	0.493
100	50	1099.746	1099.192	0.554
100	51	1099.771	1099.176	0.596
100	52	1099.721	1099.174	0.547
100	53	1099.783	1099.255	0.528
100	54	1099.758	1099.171	0.587
100	55	1099.767	1099.190	0.578
100	56	1099.799	1099.246	0.553
100	57	1099.765	1099.167	0.599
100	58	1099.763	1099.218	0.545
100	59	1099.829	1099.227	0.602
100	60	1099.822	1099.197	0.625
100	61	1099.781	1099.252	0.529
100	62	1099.757	1099.165	0.591
102	63	1099.786	1099.198	0.588
102	64	1099.801	1099.191	0.610
102	65	1099.828	1099.194	0.633
102	66	1099.750	1099.156	0.594
102	67	1099.746	1099.204	0.541
	Max	1099.849	1100.084	0.716
	Average	1099.787	1099.344	0.444
	Min	1099.721	1099.101	-0.331
	Std Dev	0.032	0.304	0.301



7995.1_*SYIN3		
Test Site	1	
Tester	ETS364	ETS364
Test Number	EF823401	EF823401
Unit	KHZ	
Max Limit	1150	
Min Limit	1050	

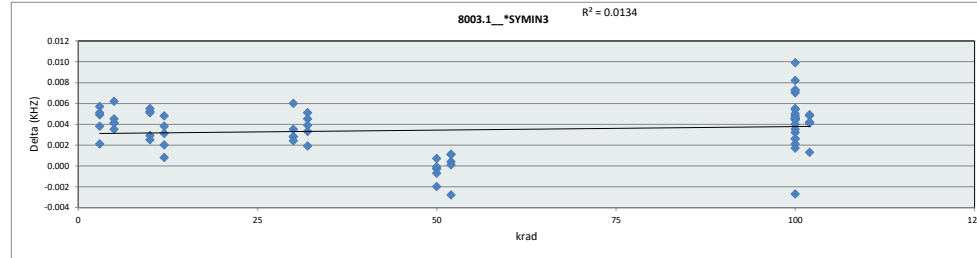
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LL	1050.000	1050.000	1050.000	1050.000	1050.000	1050.000	1050.000	1050.000	1050.000	1050.000
Min	1099.126	1099.101	1099.257	1099.240	1099.260	1099.221	1100.016	1100.037	1099.146	1099.156
Average	1099.141	1099.145	1099.299	1099.286	1099.282	1099.263	1100.055	1100.049	1099.204	1099.189
Max	1099.156	1099.184	1099.327	1099.303	1099.305	1099.294	1100.084	1100.082	1099.255	1099.204
UL	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000



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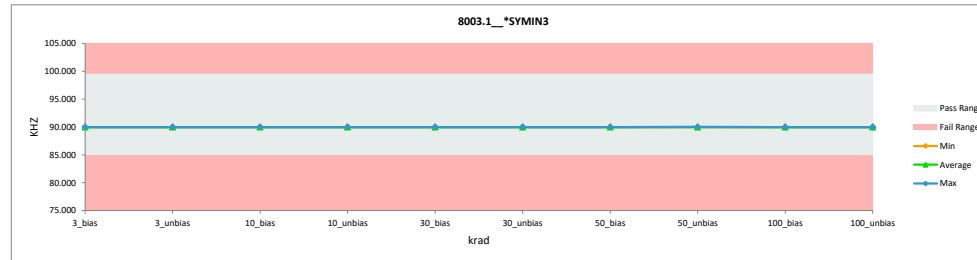
8003.1_*SYMIN3		
Test Site	1	
Tester	ETS364	ETS364
Test Number	EF823401	EF823401
Unit	KHZ	
Max Limit	99.5	
Min Limit	85	

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	89.997	89.995	0.002
3	2	90.001	89.995	0.006
3	3	90.000	89.995	0.005
3	4	89.998	89.995	0.004
3	5	90.000	89.995	0.005
5	6	89.999	89.994	0.005
5	7	90.000	89.994	0.006
5	8	89.999	89.995	0.004
5	9	89.998	89.994	0.004
5	10	89.999	89.995	0.004
10	11	89.997	89.994	0.003
10	12	90.001	89.996	0.005
10	13	90.000	89.995	0.006
10	14	89.998	89.996	0.002
10	15	90.000	89.995	0.005
12	16	89.999	89.997	0.002
12	17	90.000	89.996	0.005
12	18	89.999	89.998	0.001
12	19	89.998	89.995	0.003
12	20	89.999	89.995	0.004
30	21	89.997	89.994	0.003
30	22	90.001	89.995	0.006
30	23	90.000	89.997	0.004
30	24	89.998	89.996	0.003
30	25	90.000	89.997	0.002
32	26	89.999	89.996	0.003
32	27	90.000	89.995	0.005
32	28	89.999	89.994	0.005
32	29	89.998	89.996	0.002
32	30	89.999	89.995	0.004
50	31	89.997	89.998	-0.001
50	32	90.001	90.000	0.001
50	33	90.000	90.000	0.000
50	34	89.998	90.000	-0.002
50	35	90.000	90.000	0.000
52	36	89.999	89.998	0.001
52	37	90.000	89.999	0.001
52	38	89.999	89.999	0.000
52	39	89.998	90.001	-0.003
52	40	89.999	89.999	0.000
100	41	89.999	89.994	0.005
100	42	89.999	89.994	0.005
100	43	90.000	89.995	0.005
100	44	89.997	89.987	0.010
100	45	89.999	89.992	0.007
100	46	89.997	89.995	0.002
100	47	89.998	89.994	0.005
100	48	89.999	89.994	0.004
100	49	89.998	89.995	0.003
100	50	89.999	89.994	0.005
100	51	89.999	89.994	0.005
100	52	89.999	89.996	0.003
100	53	90.000	89.994	0.006
100	54	89.999	89.996	0.003
100	55	89.998	89.991	0.007
100	56	90.000	89.993	0.007
100	57	89.998	89.994	0.004
100	58	90.002	89.993	0.008
100	59	89.999	89.996	0.002
100	60	89.995	89.998	-0.003
100	61	89.998	89.994	0.004
100	62	89.997	89.993	0.005
102	63	90.000	89.995	0.005
102	64	89.999	89.994	0.005
102	65	89.998	89.994	0.004
102	66	89.998	89.997	0.001
102	67	90.000	89.996	0.004
Max	90.002	90.001	0.010	
Average	89.999	89.995	0.003	
Min	89.995	89.987	-0.003	
Std Dev	0.001	0.002	0.002	



8003.1_*SYMIN3		
Test Site	1	
Tester	ETS364	ETS364
Test Number	EF823401	EF823401
Unit	KHZ	
Max Limit	99.5	
Min Limit	85	

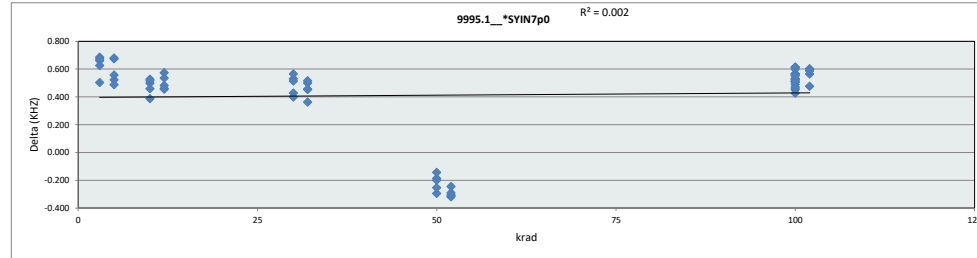
krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased
LL	85.000	85.000	85.000	85.000	85.000	85.000	85.000	85.000	85.000	85.000
Min	89.995	89.994	89.994	89.995	89.994	89.995	89.998	89.998	89.987	89.994
Average	89.995	89.995	89.995	89.996	89.996	89.995	90.000	89.999	89.994	89.995
Max	89.995	89.995	89.996	89.996	89.997	89.996	90.000	90.001	89.998	89.997
UL	99.500	99.500	99.500	99.500	99.500	99.500	99.500	99.500	99.500	99.500



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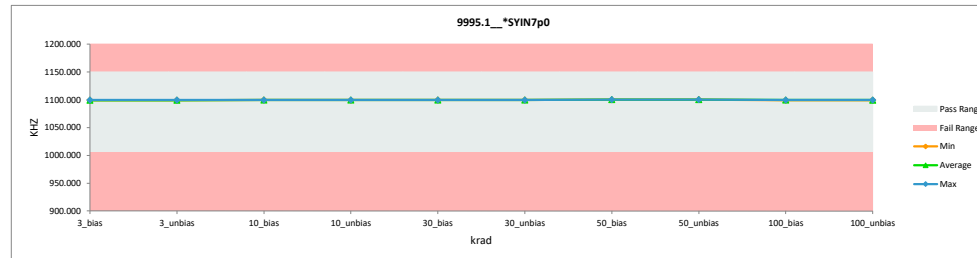
9995.1_*SYIN7p0		
Test Site	1	
Tester	ETS364	ETS364
Test Number	EF823401	EF823401
Unit	KHZ	
Max Limit	1150	
Min Limit	1005	

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	1099.810	1099.149	0.661
3	2	1099.753	1099.250	0.504
3	3	1099.821	1099.134	0.686
3	4	1099.827	1099.155	0.672
3	5	1099.704	1099.078	0.626
5	6	1099.772	1099.098	0.675
5	7	1099.690	1099.167	0.523
5	8	1099.801	1099.122	0.680
5	9	1099.767	1099.210	0.557
5	10	1099.733	1099.246	0.488
10	11	1099.810	1099.312	0.498
10	12	1099.753	1099.294	0.459
10	13	1099.821	1099.305	0.516
10	14	1099.827	1099.300	0.527
10	15	1099.704	1099.316	0.387
12	16	1099.772	1099.311	0.461
12	17	1099.690	1099.208	0.482
12	18	1099.801	1099.227	0.574
12	19	1099.767	1099.232	0.535
12	20	1099.733	1099.278	0.456
30	21	1099.810	1099.280	0.530
30	22	1099.753	1099.326	0.428
30	23	1099.821	1099.255	0.566
30	24	1099.827	1099.313	0.514
30	25	1099.704	1099.305	0.399
32	26	1099.772	1099.273	0.499
32	27	1099.690	1099.237	0.453
32	28	1099.801	1099.286	0.516
32	29	1099.767	1099.311	0.456
32	30	1099.733	1099.371	0.362
50	31	1099.810	1099.997	-0.187
50	32	1099.753	1100.048	-0.295
50	33	1099.821	1100.021	-0.200
50	34	1099.827	1099.971	-0.144
50	35	1099.704	1099.956	-0.253
52	36	1099.772	1100.084	-0.311
52	37	1099.690	1100.009	-0.319
52	38	1099.801	1100.046	-0.244
52	39	1099.767	1100.057	-0.290
52	40	1099.733	1100.040	-0.307
100	41	1099.772	1099.213	0.560
100	42	1099.735	1099.207	0.527
100	43	1099.708	1099.203	0.505
100	44	1099.795	1099.182	0.613
100	45	1099.716	1099.187	0.529
100	46	1099.850	1099.250	0.599
100	47	1099.792	1099.178	0.614
100	48	1099.745	1099.283	0.462
100	49	1099.790	1099.222	0.568
100	50	1099.686	1099.165	0.521
100	51	1099.717	1099.227	0.490
100	52	1099.805	1099.191	0.614
100	53	1099.742	1099.291	0.452
100	54	1099.699	1099.228	0.471
100	55	1099.765	1099.254	0.510
100	56	1099.747	1099.215	0.532
100	57	1099.733	1099.307	0.427
100	58	1099.767	1099.256	0.510
100	59	1099.752	1099.193	0.559
100	60	1099.744	1099.183	0.561
100	61	1099.806	1099.240	0.566
100	62	1099.764	1099.212	0.552
102	63	1099.716	1099.239	0.477
102	64	1099.781	1099.178	0.603
102	65	1099.813	1099.248	0.565
102	66	1099.769	1099.181	0.587
102	67	1099.769	1099.173	0.596
Max		1099.850	1100.084	0.686
Average		1099.764	1099.351	0.414
Min		1099.686	1099.078	-0.319
Std Dev		0.043	0.290	0.291



9995.1_*SYIN7p0		
Test Site	1	
Tester	ETS364	ETS364
Test Number	EF823401	EF823401
Max Limit	1150	KHZ
Min Limit	1005	KHZ

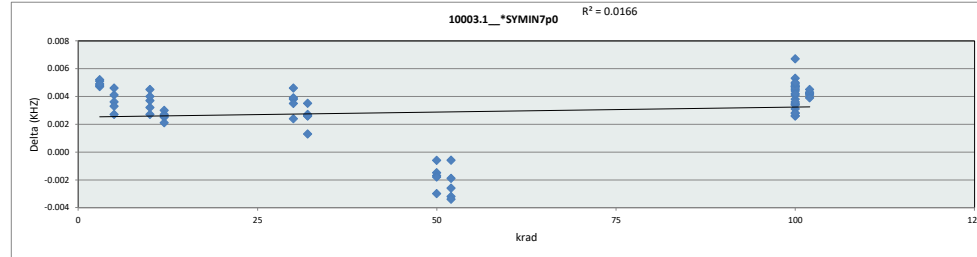
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LL	1005.000	1005.000	1005.000	1005.000	1005.000	1005.000	1005.000	1005.000	1005.000	1005.000
Min	1099.078	1099.098	1099.294	1099.208	1099.255	1099.237	1099.956	1100.009	1099.165	1099.174
Average	1099.153	1099.168	1099.306	1099.251	1099.296	1099.296	1099.999	1100.047	1099.222	1099.204
Max	1099.250	1099.246	1099.316	1099.311	1099.326	1099.371	1100.048	1100.084	1099.307	1099.248
UL	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000



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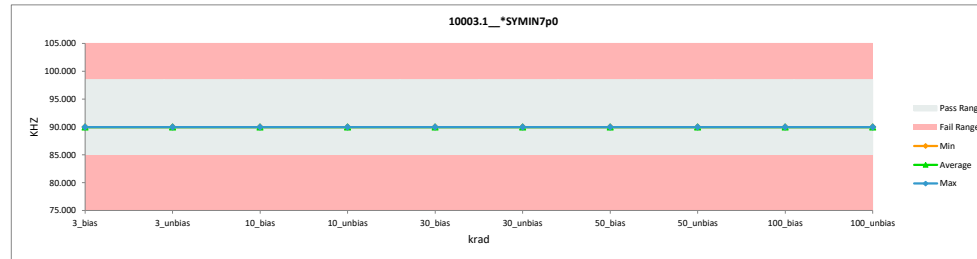
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Test Site	1		1
Tester	ETS364		ETS364
Test Number	EF823401		EF823401
Unit	KHZ		KHZ
Max Limit	98.5		98.5
Min Limit	85		85

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	89.999	89.994	0.005
3	2	90.000	89.995	0.005
3	3	89.999	89.994	0.005
3	4	89.999	89.994	0.005
3	5	89.999	89.994	0.005
5	6	89.997	89.995	0.003
5	7	89.998	89.994	0.004
5	8	89.999	89.994	0.005
5	9	89.999	89.995	0.004
5	10	89.999	89.995	0.003
10	11	89.999	89.996	0.003
10	12	90.000	89.995	0.005
10	13	89.999	89.996	0.003
10	14	89.999	89.995	0.004
10	15	89.999	89.995	0.004
12	16	89.997	89.994	0.003
12	17	89.998	89.996	0.002
12	18	89.999	89.996	0.003
12	19	89.999	89.996	0.003
12	20	89.999	89.996	0.003
30	21	89.999	89.994	0.005
30	22	90.000	89.996	0.004
30	23	89.999	89.997	0.002
30	24	89.999	89.995	0.004
30	25	89.999	89.995	0.003
32	26	89.997	89.996	0.001
32	27	89.998	89.995	0.003
32	28	89.999	89.995	0.004
32	29	89.999	89.996	0.003
32	30	89.999	89.996	0.003
50	31	89.999	90.000	-0.001
50	32	90.000	90.001	-0.001
50	33	89.999	90.001	-0.002
50	34	89.999	90.002	-0.003
50	35	89.999	90.000	-0.002
52	36	89.997	90.001	-0.003
52	37	89.998	90.000	-0.002
52	38	89.999	89.999	-0.001
52	39	89.999	90.002	-0.003
52	40	89.999	90.002	-0.003
100	41	90.001	89.994	0.007
100	42	89.999	89.995	0.004
100	43	89.998	89.995	0.003
100	44	89.998	89.995	0.003
100	45	89.999	89.994	0.005
100	46	89.998	89.995	0.003
100	47	89.998	89.995	0.003
100	48	89.999	89.994	0.005
100	49	89.999	89.994	0.005
100	50	89.998	89.995	0.003
100	51	89.999	89.994	0.005
100	52	89.999	89.994	0.004
100	53	89.998	89.995	0.004
100	54	89.998	89.995	0.003
100	55	89.999	89.995	0.005
100	56	89.999	89.994	0.005
100	57	89.998	89.994	0.004
100	58	89.998	89.995	0.003
100	59	90.000	89.995	0.005
100	60	89.998	89.994	0.004
100	61	89.999	89.994	0.005
100	62	89.999	89.995	0.004
102	63	89.999	89.995	0.004
102	64	89.999	89.994	0.004
102	65	89.998	89.994	0.004
102	66	89.999	89.995	0.004
102	67	89.999	89.994	0.005
Max		90.001	90.002	0.007
Average		89.999	89.996	0.003
Min		89.997	89.994	-0.003
Std Dev		0.001	0.002	0.002



10003.1 *SYMIN7p0			
Test Site	1		1
Tester	ETS364		ETS364
Test Number	EF823401		EF823401
Max Limit	98.5		KHZ
Min Limit	85		KHZ

krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased
LL	85.000	85.000	85.000	85.000	85.000	85.000	85.000	85.000	85.000	85.000
Min	89.994	89.994	89.995	89.994	89.994	89.995	90.000	89.999	89.994	89.994
Average	89.994	89.995	89.995	89.996	89.995	89.996	90.001	90.001	89.995	89.995
Max	89.995	89.995	89.996	89.996	89.997	89.996	90.002	90.002	89.995	89.995
UL	98.500	98.500	98.500	98.500	98.500	98.500	98.500	98.500	98.500	98.500

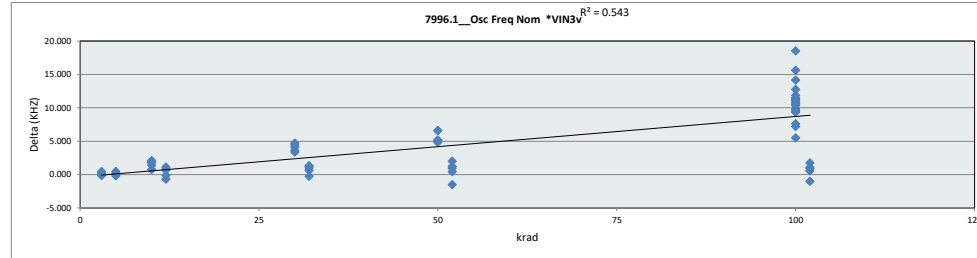




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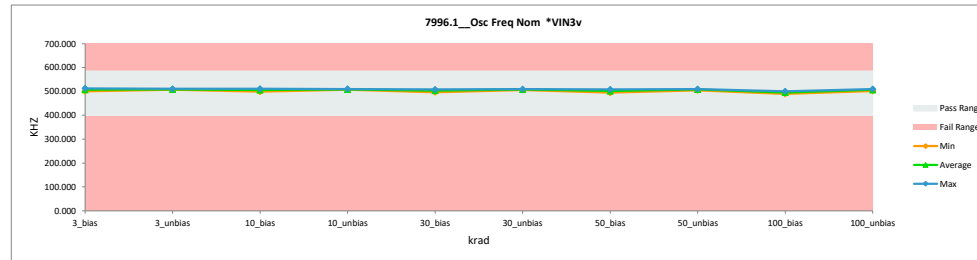
7996.1_Osc Freq Nom *VIN3v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	KHZ
Max Limit	585
Min Limit	395

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	507.568	507.354	0.214
3	2	513.084	512.699	0.385
3	3	504.047	503.669	0.379
3	4	509.336	509.502	-0.166
3	5	501.025	500.603	0.422
5	6	509.297	509.214	0.082
5	7	506.624	506.821	-0.197
5	8	510.903	510.462	0.441
5	9	508.944	508.844	0.100
5	10	507.588	507.611	-0.023
10	11	507.568	506.179	1.389
10	12	513.084	511.111	1.972
10	13	504.047	501.975	2.072
10	14	509.336	508.596	0.740
10	15	501.025	499.267	1.758
12	16	509.297	508.529	0.768
12	17	506.624	507.319	-0.696
12	18	510.903	510.240	0.663
12	19	508.944	507.836	1.108
12	20	507.588	507.722	-0.134
30	21	507.568	504.223	3.345
30	22	513.084	508.390	4.694
30	23	504.047	500.437	3.611
30	24	509.336	505.217	4.120
30	25	501.025	496.591	4.434
32	26	509.297	508.290	1.007
32	27	506.624	506.003	0.621
32	28	510.903	509.591	1.311
32	29	508.944	507.708	1.236
32	30	507.588	507.854	-0.266
50	31	507.568	502.745	4.823
50	32	513.084	507.928	5.155
50	33	504.047	498.912	5.136
50	34	509.336	502.760	6.576
50	35	501.025	494.448	6.577
52	36	509.297	508.080	1.217
52	37	506.624	504.637	1.987
52	38	510.903	509.937	0.966
52	39	508.944	508.530	0.415
52	40	507.588	509.103	-1.515
100	41	511.775	493.236	18.539
100	42	507.613	500.015	7.598
100	43	508.001	496.702	11.299
100	44	504.466	497.261	7.205
100	45	509.490	495.344	14.146
100	46	507.528	498.190	9.339
100	47	502.651	497.149	5.502
100	48	507.083	491.468	15.615
100	49	506.322	496.514	9.808
100	50	503.211	492.844	10.467
100	51	506.549	496.921	9.628
100	52	510.587	499.814	10.773
100	53	503.390	491.531	11.859
100	54	505.447	492.712	12.735
100	55	507.744	497.080	10.664
100	56	500.585	489.229	11.356
100	57	507.740	496.224	11.516
100	58	504.124	493.584	10.540
100	59	501.165	490.477	10.688
100	60	511.573	500.521	11.052
100	61	504.694	494.315	10.380
100	62	506.614	497.240	9.374
102	63	509.158	510.192	-1.035
102	64	509.919	509.368	0.551
102	65	509.003	507.268	1.735
102	66	504.130	503.235	0.895
102	67	503.270	502.202	1.068
Max	513.084	512.699	18.539	
Average	507.278	502.650	4.627	
Min	500.585	489.229	-1.515	
Std Dev	3.237	6.340	4.964	



7996.1_Osc Freq Nom *VIN3v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Max Limit	585 KHZ
Min Limit	395 KHZ

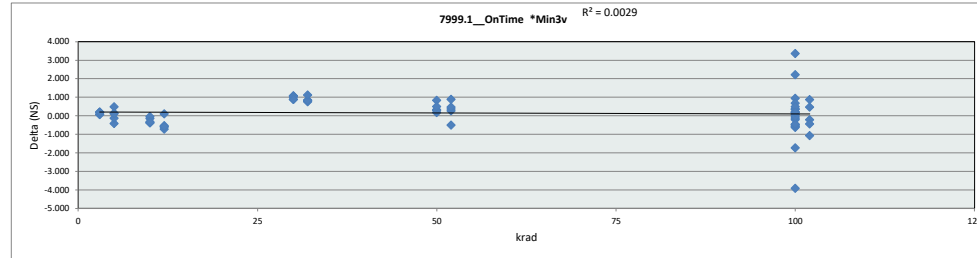
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias
LL	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000
Min	500.603	506.821	499.267	507.320	496.591	506.003	494.448	504.637	489.229	502.202
Average	506.765	508.590	505.426	508.329	502.971	507.889	501.359	508.057	495.380	506.453
Max	512.699	510.462	511.111	510.240	508.390	509.592	507.929	509.937	500.521	510.192
UL	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000



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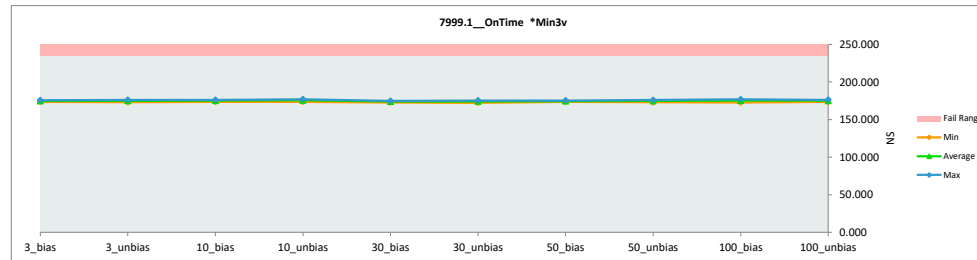
7999.1_OnTime *Min3v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	NS
Max Limit	235
Min Limit	

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	175.784	175.728	0.056
3	2	173.717	173.643	0.074
3	3	174.260	174.061	0.199
3	4	175.789	175.625	0.165
3	5	175.555	175.369	0.186
5	6	175.554	175.976	-0.422
5	7	175.055	175.187	-0.133
5	8	173.256	173.115	0.140
5	9	176.298	176.193	0.105
5	10	175.241	174.764	0.477
10	11	175.784	175.935	-0.150
10	12	173.717	173.765	-0.048
10	13	174.260	174.641	-0.380
10	14	175.789	176.172	-0.383
10	15	175.555	175.881	-0.326
12	16	175.554	176.165	-0.612
12	17	175.055	175.779	-0.725
12	18	173.256	173.792	-0.537
12	19	176.298	176.885	-0.588
12	20	175.241	175.143	0.099
30	21	175.784	174.715	1.069
30	22	173.717	172.654	1.063
30	23	174.260	173.382	0.878
30	24	175.789	174.771	1.018
30	25	175.555	174.671	0.884
32	26	175.554	174.709	0.844
32	27	175.055	174.255	0.800
32	28	173.256	172.503	0.752
32	29	176.298	175.486	0.812
32	30	175.241	174.124	1.117
50	31	175.784	175.460	0.324
50	32	173.717	173.548	0.168
50	33	174.260	173.981	0.280
50	34	175.789	174.964	0.825
50	35	175.555	175.061	0.494
52	36	175.554	176.065	-0.511
52	37	175.055	174.692	0.363
52	38	173.256	172.995	0.261
52	39	176.298	175.832	0.466
52	40	175.241	174.356	0.885
100	41	175.511	176.140	-0.629
100	42	175.985	175.644	0.340
100	43	172.622	176.540	-3.918
100	44	176.028	172.676	3.352
100	45	175.815	174.882	0.934
100	46	175.590	176.069	-0.478
100	47	175.570	175.203	0.367
100	48	174.509	176.243	-1.734
100	49	176.094	173.885	2.209
100	50	173.783	173.111	0.672
100	51	175.100	175.018	0.082
100	52	176.318	176.146	0.172
100	53	173.554	173.349	0.205
100	54	175.213	175.425	-0.212
100	55	173.723	173.674	0.049
100	56	172.765	173.351	-0.587
100	57	175.513	175.649	-0.136
100	58	175.372	175.920	-0.547
100	59	176.279	176.743	-0.464
100	60	177.376	176.892	0.484
100	61	175.528	175.585	-0.057
100	62	176.790	176.609	0.180
102	63	173.877	173.417	0.460
102	64	174.627	173.757	0.870
102	65	175.790	176.011	-0.221
102	66	175.503	175.949	-0.446
102	67	175.248	176.322	-1.074
	Max	177.376	176.892	3.352
	Average	175.106	174.959	0.147
	Min	172.622	172.503	-3.918
	Std Dev	1.036	1.178	0.893



7999.1_OnTime *Min3v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Max Limit	235
Min Limit	NS

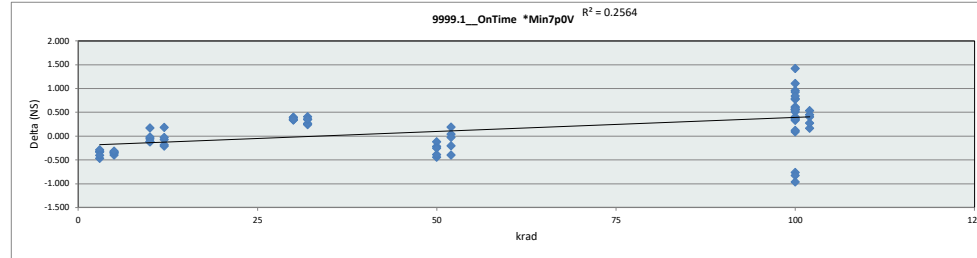
krad	3_bias	3_unbias	10_bias	10_unbias	30_bias	30_unbias	50_bias	50_unbias	100_bias	100_unbias
LL										
Min	173.643	173.115	173.765	173.792	172.654	172.503	173.549	172.995	172.676	173.417
Average	174.885	175.047	175.279	175.553	174.039	174.215	174.603	174.788	175.216	175.091
Max	175.728	176.193	176.172	176.886	174.771	175.486	175.460	176.065	176.892	176.322
UL	235.000	235.000	235.000	235.000	235.000	235.000	235.000	235.000	235.000	235.000



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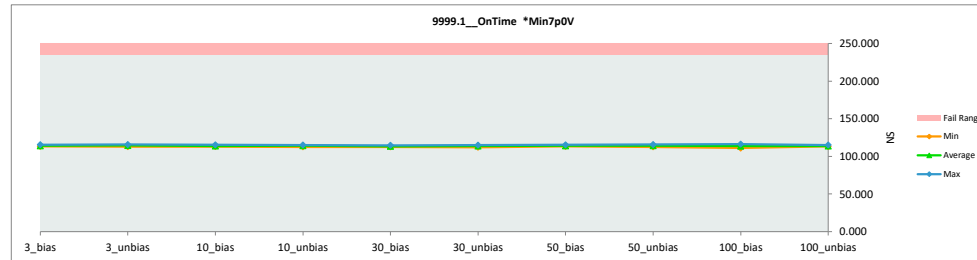
9999.1_OnTime *Min7p0V	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	NS
Max Limit	235
Min Limit	235

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	113.607	114.075	-0.468
3	2	113.555	113.879	-0.324
3	3	112.904	113.241	-0.336
3	4	113.242	113.533	-0.291
3	5	115.113	115.518	-0.405
5	6	115.273	115.634	-0.360
5	7	114.324	114.722	-0.398
5	8	112.383	112.731	-0.348
5	9	115.091	115.425	-0.334
5	10	113.132	113.449	-0.317
10	11	113.607	113.438	0.169
10	12	113.555	113.668	-0.113
10	13	112.904	112.962	-0.058
10	14	113.242	113.263	-0.021
10	15	115.113	115.235	-0.122
12	16	115.273	115.091	0.182
12	17	114.324	114.534	-0.210
12	18	112.383	112.566	-0.183
12	19	115.091	115.166	-0.075
12	20	113.132	113.163	-0.030
30	21	113.607	113.216	0.391
30	22	113.555	113.220	0.335
30	23	112.904	112.562	0.342
30	24	113.242	112.849	0.393
30	25	115.113	114.759	0.353
32	26	115.273	114.866	0.407
32	27	114.324	114.085	0.239
32	28	112.383	112.118	0.265
32	29	115.091	114.739	0.353
32	30	113.132	112.781	0.351
50	31	113.607	114.051	-0.444
50	32	113.555	113.944	-0.389
50	33	112.904	113.123	-0.219
50	34	113.242	113.363	-0.120
50	35	115.113	115.366	-0.254
52	36	115.273	115.673	-0.399
52	37	114.324	114.137	0.187
52	38	112.383	112.587	-0.204
52	39	115.091	115.052	0.039
52	40	113.132	113.160	-0.028
100	41	113.109	113.873	-0.764
100	42	114.470	113.051	1.419
100	43	112.652	113.480	-0.828
100	44	113.069	112.455	0.614
100	45	113.295	112.338	0.957
100	46	114.189	113.083	1.105
100	47	114.248	113.326	0.922
100	48	113.538	114.504	-0.966
100	49	114.127	113.356	0.772
100	50	113.160	112.651	0.508
100	51	113.964	113.416	0.548
100	52	115.776	115.374	0.402
100	53	112.873	112.786	0.087
100	54	113.610	112.822	0.788
100	55	114.470	113.912	0.559
100	56	111.116	110.999	0.117
100	57	115.003	114.407	0.596
100	58	114.639	114.284	0.355
100	59	114.360	114.030	0.330
100	60	117.091	116.248	0.842
100	61	114.700	114.336	0.365
100	62	114.801	114.237	0.564
102	63	113.497	113.094	0.403
102	64	113.789	113.258	0.532
102	65	114.832	114.382	0.449
102	66	115.218	115.053	0.165
102	67	113.377	113.104	0.272
Max		117.091	116.248	1.419
Average		113.932	113.803	0.129
Min		111.116	110.999	-0.966
Std Dev		1.042	1.038	0.471



9999.1_OnTime *Min7p0V	
Test Site	1
Tester	ETS364
Test Number	EF823401
Max Limit	NS
Min Limit	NS

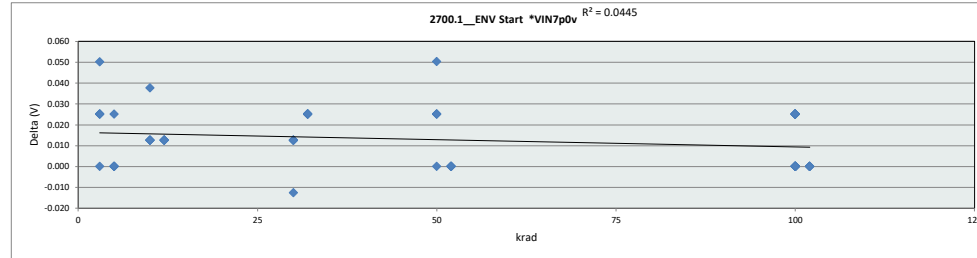
krad	3_bias	3_unbias	10_bias	10_unbias	30_bias	30_unbias	50_bias	50_unbias	100_bias	100_unbias
LL										
Min	113.241	112.731	112.962	112.566	112.562	112.118	113.123	112.587	110.999	113.094
Average	114.049	114.392	113.713	114.104	113.321	113.718	113.969	114.122	113.589	113.778
Max	115.518	115.634	115.235	115.166	114.759	114.866	115.366	115.673	116.249	115.053
UL	235.000	235.000	235.000	235.000	235.000	235.000	235.000	235.000	235.000	235.000



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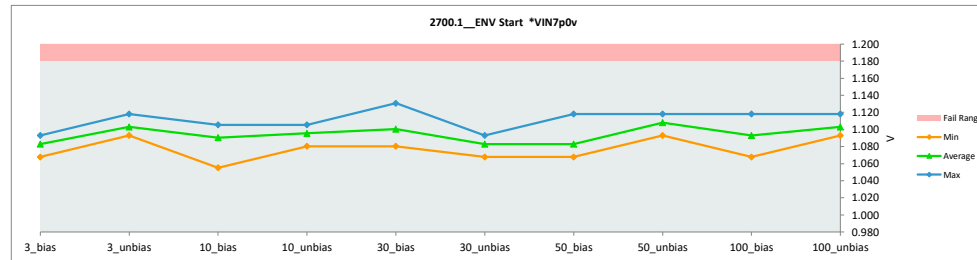
2700.1_ENV Start *VIN7p0v		
Test Site	1	1
Tester	ETS364	ETS364
Test Number	EF823401	EF823401
Unit	V	V
Max Limit	1.18	1.18
Min Limit		

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	1.068	1.068	0.000
3	2	1.118	1.093	0.025
3	3	1.143	1.093	0.050
3	4	1.093	1.068	0.025
3	5	1.118	1.093	0.025
5	6	1.118	1.118	0.000
5	7	1.093	1.093	0.000
5	8	1.118	1.093	0.025
5	9	1.118	1.118	0.000
5	10	1.093	1.093	0.000
10	11	1.068	1.055	0.013
10	12	1.118	1.105	0.013
10	13	1.143	1.105	0.038
10	14	1.093	1.080	0.013
10	15	1.118	1.105	0.013
12	16	1.118	1.105	0.013
12	17	1.093	1.080	0.013
12	18	1.118	1.105	0.013
12	19	1.118	1.105	0.013
12	20	1.093	1.080	0.013
30	21	1.068	1.080	-0.013
30	22	1.118	1.105	0.013
30	23	1.143	1.131	0.013
30	24	1.093	1.080	0.013
30	25	1.118	1.105	0.013
32	26	1.118	1.093	0.025
32	27	1.093	1.068	0.025
32	28	1.118	1.093	0.025
32	29	1.118	1.093	0.025
32	30	1.093	1.068	0.025
50	31	1.068	1.068	0.000
50	32	1.118	1.068	0.050
50	33	1.143	1.118	0.025
50	34	1.093	1.068	0.025
50	35	1.118	1.093	0.025
52	36	1.118	1.118	0.000
52	37	1.093	1.093	0.000
52	38	1.118	1.118	0.000
52	39	1.118	1.118	0.000
52	40	1.093	1.093	0.000
100	41	1.093	1.093	0.000
100	42	1.118	1.093	0.025
100	43	1.118	1.093	0.025
100	44	1.118	1.093	0.025
100	45	1.118	1.118	0.000
100	46	1.118	1.093	0.025
100	47	1.143	1.118	0.025
100	48	1.093	1.093	0.000
100	49	1.118	1.093	0.025
100	50	1.093	1.093	0.000
100	51	1.093	1.068	0.025
100	52	1.118	1.093	0.025
100	53	1.093	1.093	0.000
100	54	1.068	1.068	0.000
100	55	1.093	1.093	0.000
100	56	1.118	1.093	0.025
100	57	1.118	1.093	0.025
100	58	1.093	1.093	0.000
100	59	1.093	1.093	0.000
100	60	1.093	1.093	0.000
100	61	1.093	1.093	0.000
100	62	1.093	1.093	0.000
102	63	1.118	1.118	0.000
102	64	1.093	1.093	0.000
102	65	1.118	1.118	0.000
102	66	1.093	1.093	0.000
102	67	1.093	1.093	0.000
Max		1.143	1.131	0.050
Average		1.106	1.094	0.013
Min		1.068	1.055	-0.013
Std Dev		0.019	0.016	0.013



2700.1_ENV Start *VIN7p0v		
Test Site	1	1
Tester	ETS364	ETS364
Test Number	EF823401	EF823401
Max Limit	1.18	V
Min Limit		V

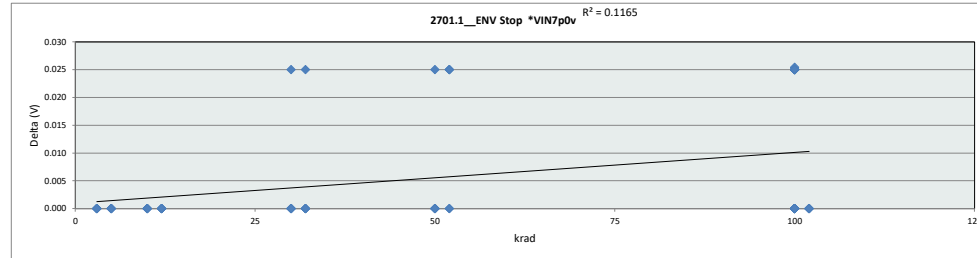
krad	3_bias	3_unbias	10_bias	10_unbias	30_bias	30_unbias	50_bias	50_unbias	100_bias	100_unbias
LL										
Min	1.068	1.093	1.055	1.080	1.080	1.068	1.068	1.093	1.068	1.093
Average	1.083	1.103	1.090	1.095	1.101	1.083	1.083	1.108	1.093	1.103
Max	1.093	1.118	1.106	1.106	1.131	1.093	1.118	1.118	1.118	1.118
UL	1.180	1.180	1.180	1.180	1.180	1.180	1.180	1.180	1.180	1.180



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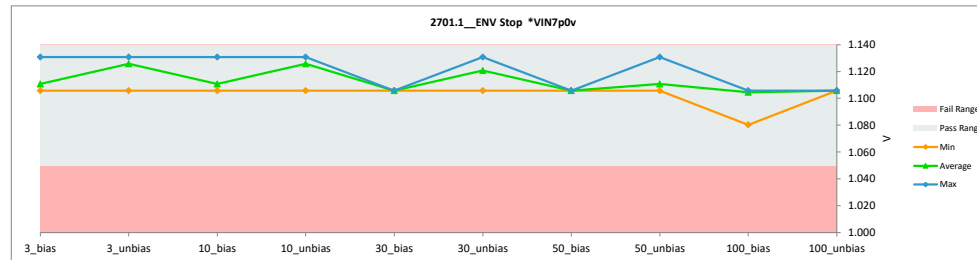
2701.1_ENV Stop *VIN7p0v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	V
Max Limit	
Min Limit	1.05

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	1.106	1.106	0.000
3	2	1.106	1.106	0.000
3	3	1.106	1.106	0.000
3	4	1.106	1.106	0.000
3	5	1.131	1.131	0.000
5	6	1.131	1.131	0.000
5	7	1.106	1.106	0.000
5	8	1.131	1.131	0.000
5	9	1.131	1.131	0.000
5	10	1.131	1.131	0.000
10	11	1.106	1.106	0.000
10	12	1.106	1.106	0.000
10	13	1.106	1.106	0.000
10	14	1.106	1.106	0.000
10	15	1.131	1.131	0.000
12	16	1.131	1.131	0.000
12	17	1.106	1.106	0.000
12	18	1.131	1.131	0.000
12	19	1.131	1.131	0.000
12	20	1.131	1.131	0.000
30	21	1.106	1.106	0.000
30	22	1.106	1.106	0.000
30	23	1.106	1.106	0.000
30	24	1.106	1.106	0.000
30	25	1.131	1.106	0.025
32	26	1.131	1.131	0.000
32	27	1.106	1.106	0.000
32	28	1.131	1.106	0.025
32	29	1.131	1.131	0.000
32	30	1.131	1.131	0.000
50	31	1.106	1.106	0.000
50	32	1.106	1.106	0.000
50	33	1.106	1.106	0.000
50	34	1.106	1.106	0.000
50	35	1.131	1.106	0.025
52	36	1.131	1.131	0.000
52	37	1.106	1.106	0.000
52	38	1.131	1.106	0.025
52	39	1.131	1.106	0.025
52	40	1.131	1.106	0.025
100	41	1.106	1.106	0.000
100	42	1.131	1.106	0.025
100	43	1.131	1.106	0.025
100	44	1.106	1.106	0.000
100	45	1.131	1.106	0.025
100	46	1.106	1.106	0.000
100	47	1.106	1.106	0.000
100	48	1.106	1.106	0.000
100	49	1.131	1.106	0.025
100	50	1.106	1.106	0.000
100	51	1.131	1.106	0.025
100	52	1.131	1.106	0.025
100	53	1.106	1.106	0.000
100	54	1.106	1.106	0.000
100	55	1.106	1.080	0.025
100	56	1.131	1.106	0.025
100	57	1.131	1.106	0.025
100	58	1.106	1.106	0.000
100	59	1.131	1.106	0.025
100	60	1.106	1.106	0.000
100	61	1.106	1.106	0.000
100	62	1.106	1.106	0.000
102	63	1.106	1.106	0.000
102	64	1.106	1.106	0.000
102	65	1.106	1.106	0.000
102	66	1.106	1.106	0.000
102	67	1.106	1.106	0.000
Max		1.131	1.131	0.025
Average		1.117	1.111	0.006
Min		1.106	1.080	0.000
Std Dev		0.012	0.011	0.011



2701.1_ENV Stop *VIN7p0v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	V
Max Limit	
Min Limit	1.05

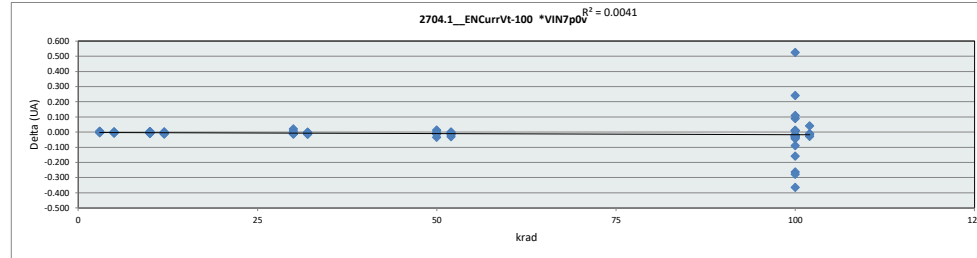
krad	3_bias	3_unbias	10_bias	10_unbias	30_bias	30_unbias	50_bias	50_unbias	100_bias	100_unbias
LL	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050
Min	1.106	1.106	1.106	1.106	1.106	1.106	1.106	1.106	1.080	1.106
Average	1.111	1.126	1.111	1.126	1.106	1.121	1.106	1.111	1.105	1.106
Max	1.131	1.131	1.131	1.131	1.106	1.131	1.106	1.131	1.106	1.106
UL										



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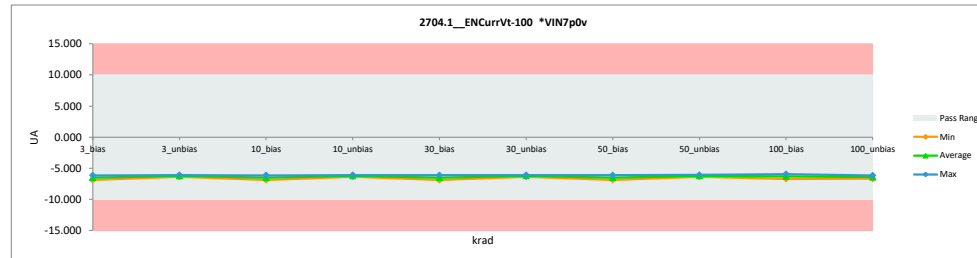
2704.1_ENCurrVt-100 *VIN7p0v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	UA
Max Limit	10
Min Limit	-10

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	-6.882	-6.887	0.006
3	2	-6.389	-6.390	0.001
3	3	-6.264	-6.267	0.003
3	4	-6.883	-6.878	-0.005
3	5	-6.138	-6.137	-0.001
5	6	-6.160	-6.160	0.000
5	7	-6.166	-6.159	-0.007
5	8	-6.095	-6.093	-0.003
5	9	-6.250	-6.244	-0.006
5	10	-6.383	-6.384	0.000
10	11	-6.882	-6.885	0.003
10	12	-6.389	-6.384	-0.005
10	13	-6.264	-6.266	0.002
10	14	-6.883	-6.873	-0.010
10	15	-6.138	-6.131	-0.007
12	16	-6.160	-6.161	0.002
12	17	-6.166	-6.152	-0.014
12	18	-6.095	-6.090	-0.005
12	19	-6.250	-6.243	-0.007
12	20	-6.383	-6.373	-0.011
30	21	-6.882	-6.902	0.020
30	22	-6.389	-6.377	-0.012
30	23	-6.264	-6.270	0.007
30	24	-6.883	-6.870	-0.013
30	25	-6.138	-6.128	-0.010
32	26	-6.160	-6.155	-0.005
32	27	-6.166	-6.151	-0.015
32	28	-6.095	-6.087	-0.008
32	29	-6.250	-6.250	0.000
32	30	-6.383	-6.370	-0.014
50	31	-6.882	-6.895	0.013
50	32	-6.389	-6.380	-0.009
50	33	-6.264	-6.263	-0.001
50	34	-6.883	-6.849	-0.034
50	35	-6.138	-6.123	-0.015
52	36	-6.160	-6.158	-0.002
52	37	-6.166	-6.147	-0.019
52	38	-6.095	-6.064	-0.031
52	39	-6.250	-6.249	-0.001
52	40	-6.383	-6.370	-0.013
100	41	-6.716	-6.351	-0.365
100	42	-6.177	-6.702	0.525
100	43	-6.232	-6.143	-0.090
100	44	-6.485	-6.222	-0.263
100	45	-6.234	-6.475	0.241
100	46	-6.345	-6.186	-0.159
100	47	-6.231	-6.320	0.089
100	48	-6.094	-6.203	0.109
100	49	-6.342	-6.063	-0.279
100	50	-6.611	-6.584	-0.027
100	51	-6.193	-6.206	0.012
100	52	-6.032	-6.013	-0.019
100	53	-6.345	-6.307	-0.038
100	54	-6.526	-6.500	-0.026
100	55	-6.584	-6.562	-0.022
100	56	-6.201	-6.169	-0.032
100	57	-5.939	-5.945	0.007
100	58	-6.384	-6.351	-0.033
100	59	-6.182	-6.165	-0.017
100	60	-6.180	-6.155	-0.025
100	61	-6.227	-6.182	-0.044
100	62	-6.487	-6.496	0.009
102	63	-6.254	-6.244	-0.010
102	64	-6.505	-6.477	-0.028
102	65	-6.173	-6.160	-0.013
102	66	-6.514	-6.497	-0.017
102	67	-6.654	-6.694	0.040
Max		-5.939	-5.945	0.525
Average		-6.348	-6.337	-0.010
Min		-6.883	-6.902	-0.365
Std Dev		0.249	0.252	0.101



2704.1_ENCurrVt-100 *VIN7	
Test Site	1
Tester	ETS364
Test Number	EF823401
Max Limit	10 UA
Min Limit	-10 UA

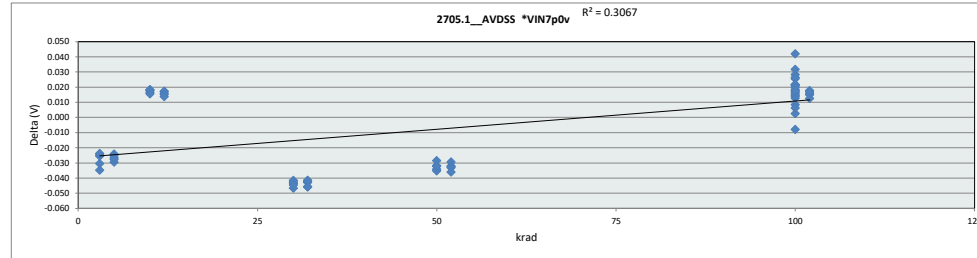
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias
LL	-10.000	-10.000	-10.000	-10.000	-10.000	-10.000	-10.000	-10.000	-10.000	-10.000
Min	-6.887	-6.384	-6.885	-6.373	-6.902	-6.370	-6.895	-6.370	-6.702	-6.694
Average	-6.512	-6.208	-6.508	-6.204	-6.509	-6.203	-6.502	-6.198	-6.286	-6.414
Max	-6.137	-6.093	-6.131	-6.090	-6.128	-6.087	-6.123	-6.064	-5.946	-6.160
UL	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000



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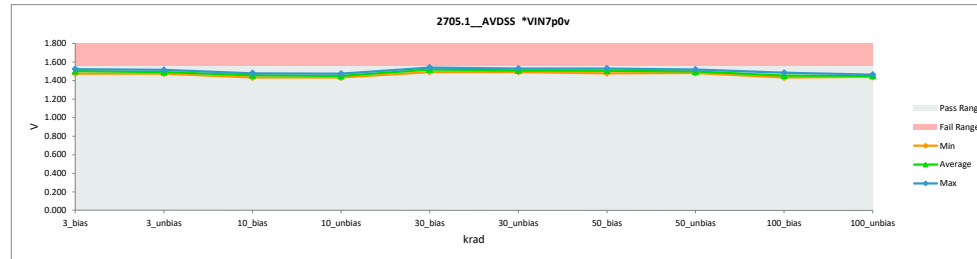
2705.1_AVDSS *VIN7p0v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	V
Max Limit	1.55
Min Limit	0

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	1.487	1.522	-0.035
3	2	1.475	1.501	-0.025
3	3	1.449	1.474	-0.025
3	4	1.496	1.520	-0.024
3	5	1.458	1.488	-0.031
5	6	1.458	1.482	-0.024
5	7	1.487	1.513	-0.025
5	8	1.467	1.496	-0.030
5	9	1.446	1.473	-0.028
5	10	1.458	1.485	-0.027
10	11	1.487	1.470	0.016
10	12	1.475	1.457	0.018
10	13	1.449	1.431	0.018
10	14	1.496	1.478	0.018
10	15	1.458	1.442	0.015
12	16	1.458	1.441	0.017
12	17	1.487	1.472	0.016
12	18	1.467	1.449	0.017
12	19	1.446	1.431	0.015
12	20	1.458	1.444	0.014
30	21	1.487	1.534	-0.047
30	22	1.475	1.519	-0.044
30	23	1.449	1.490	-0.042
30	24	1.496	1.538	-0.043
30	25	1.458	1.502	-0.045
32	26	1.458	1.500	-0.042
32	27	1.487	1.529	-0.041
32	28	1.467	1.510	-0.043
32	29	1.446	1.491	-0.046
32	30	1.458	1.504	-0.046
50	31	1.487	1.522	-0.035
50	32	1.475	1.509	-0.034
50	33	1.449	1.477	-0.029
50	34	1.496	1.528	-0.032
50	35	1.458	1.490	-0.032
52	36	1.458	1.490	-0.032
52	37	1.487	1.517	-0.029
52	38	1.467	1.499	-0.033
52	39	1.446	1.479	-0.033
52	40	1.458	1.494	-0.036
100	41	1.465	1.437	0.028
100	42	1.462	1.449	0.013
100	43	1.453	1.444	0.008
100	44	1.467	1.435	0.032
100	45	1.454	1.451	0.002
100	46	1.479	1.437	0.042
100	47	1.469	1.462	0.006
100	48	1.471	1.445	0.026
100	49	1.451	1.459	-0.008
100	50	1.490	1.474	0.015
100	51	1.482	1.464	0.018
100	52	1.454	1.437	0.017
100	53	1.491	1.470	0.021
100	54	1.496	1.482	0.014
100	55	1.498	1.477	0.022
100	56	1.459	1.438	0.021
100	57	1.449	1.434	0.015
100	58	1.452	1.430	0.021
100	59	1.477	1.461	0.016
100	60	1.463	1.444	0.020
100	61	1.457	1.440	0.018
100	62	1.506	1.480	0.026
102	63	1.463	1.447	0.015
102	64	1.477	1.460	0.018
102	65	1.459	1.444	0.015
102	66	1.449	1.437	0.013
102	67	1.478	1.461	0.017
Max		1.506	1.538	0.042
Average		1.469	1.474	-0.006
Min		1.446	1.430	-0.047
Std Dev		0.017	0.031	0.027



2705.1_AVDSS *VIN7p0v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	V
Max Limit	1.55
Min Limit	0

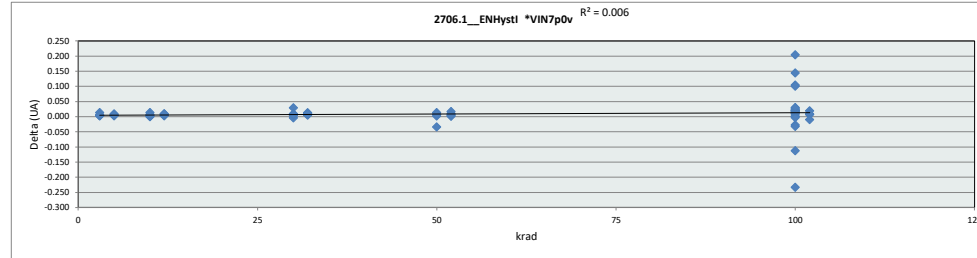
krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	1.474	1.473	1.431	1.431	1.490	1.491	1.477	1.479	1.430	1.437
Average	1.501	1.490	1.456	1.447	1.517	1.507	1.505	1.496	1.452	1.450
Max	1.522	1.513	1.478	1.472	1.539	1.529	1.528	1.517	1.482	1.461
UL	1.550	1.550	1.550	1.550	1.550	1.550	1.550	1.550	1.550	1.550



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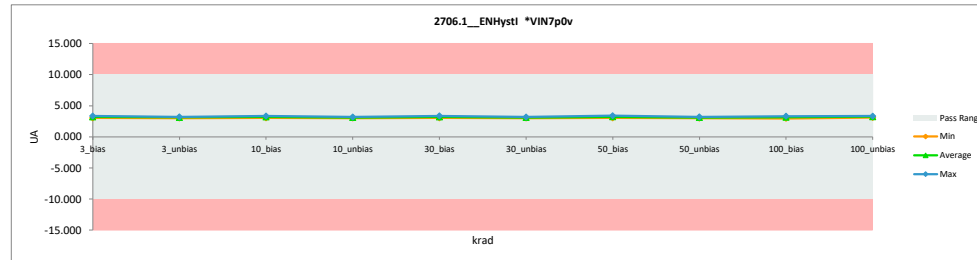
2706.1_ENHystI *VIN7p0v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	UA
Max Limit	10
Min Limit	-10

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	3.358	3.345	0.013
3	2	3.211	3.205	0.006
3	3	3.121	3.118	0.003
3	4	3.357	3.355	0.002
3	5	3.053	3.050	0.004
5	6	3.111	3.108	0.002
5	7	3.178	3.169	0.009
5	8	3.025	3.021	0.004
5	9	3.136	3.131	0.006
5	10	3.206	3.201	0.005
10	11	3.358	3.345	0.013
10	12	3.211	3.205	0.006
10	13	3.121	3.120	0.001
10	14	3.357	3.357	0.000
10	15	3.053	3.049	0.004
12	16	3.111	3.109	0.002
12	17	3.178	3.170	0.009
12	18	3.025	3.020	0.005
12	19	3.136	3.131	0.005
12	20	3.206	3.197	0.009
30	21	3.358	3.329	0.029
30	22	3.211	3.202	0.009
30	23	3.121	3.118	0.003
30	24	3.357	3.361	-0.004
30	25	3.053	3.047	0.007
32	26	3.111	3.104	0.007
32	27	3.178	3.166	0.013
32	28	3.025	3.016	0.010
32	29	3.136	3.132	0.005
32	30	3.206	3.197	0.009
50	31	3.358	3.345	0.013
50	32	3.211	3.204	0.007
50	33	3.121	3.119	0.002
50	34	3.357	3.391	-0.034
50	35	3.053	3.047	0.007
52	36	3.111	3.106	0.005
52	37	3.178	3.168	0.010
52	38	3.025	3.009	0.017
52	39	3.136	3.135	0.001
52	40	3.206	3.201	0.005
100	41	3.332	3.188	0.144
100	42	3.081	3.314	-0.233
100	43	3.065	3.057	0.008
100	44	3.261	3.057	0.204
100	45	3.136	3.249	-0.113
100	46	3.208	3.104	0.104
100	47	3.166	3.194	-0.028
100	48	3.109	3.142	-0.033
100	49	3.188	3.088	0.100
100	50	3.288	3.269	0.020
100	51	3.178	3.177	0.001
100	52	3.033	3.018	0.015
100	53	3.271	3.243	0.028
100	54	3.287	3.271	0.016
100	55	3.328	3.318	0.010
100	56	3.136	3.113	0.024
100	57	2.969	2.968	0.001
100	58	3.167	3.147	0.021
100	59	3.144	3.128	0.015
100	60	3.128	3.108	0.020
100	61	3.201	3.172	0.030
100	62	3.264	3.267	-0.003
102	63	3.187	3.180	0.007
102	64	3.305	3.286	0.019
102	65	3.115	3.107	0.008
102	66	3.298	3.289	0.009
102	67	3.322	3.332	-0.010
Max		3.358	3.391	0.204
Average		3.182	3.173	0.009
Min		2.969	2.968	-0.233
Std Dev		0.103	0.104	0.049



2706.1_ENHystI *VIN7p0v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Max Limit	10 UA
Min Limit	-10 UA

krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias
LL	-10.000	-10.000	-10.000	-10.000	-10.000	-10.000	-10.000	-10.000	-10.000	-10.000
Min	3.050	3.021	3.049	3.020	3.047	3.016	3.047	3.009	2.968	3.107
Average	3.215	3.126	3.215	3.125	3.211	3.123	3.221	3.124	3.163	3.239
Max	3.355	3.201	3.357	3.197	3.361	3.197	3.391	3.201	3.318	3.332
UL	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000

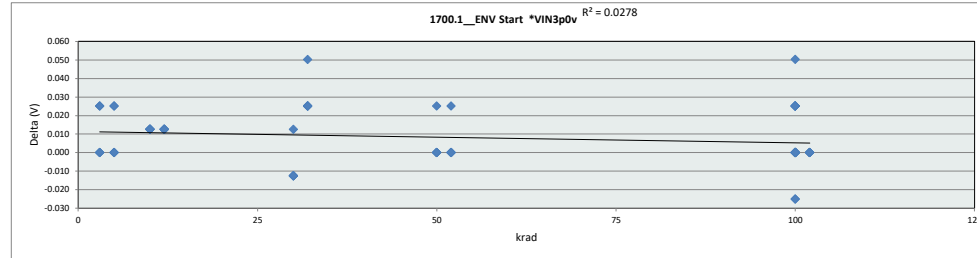




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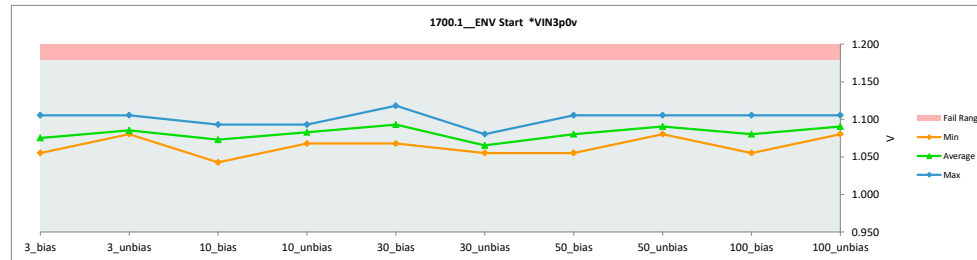
1700.1_ENV Start *VIN3p0v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	V
Max Limit	1.18
Min Limit	1.18

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	1.055	1.055	0.000
3	2	1.105	1.080	0.025
3	3	1.105	1.105	0.000
3	4	1.080	1.055	0.025
3	5	1.080	1.080	0.000
5	6	1.080	1.080	0.000
5	7	1.080	1.080	0.000
5	8	1.105	1.080	0.025
5	9	1.105	1.105	0.000
5	10	1.105	1.080	0.025
10	11	1.055	1.043	0.013
10	12	1.105	1.093	0.012
10	13	1.105	1.093	0.012
10	14	1.080	1.068	0.013
10	15	1.080	1.068	0.013
12	16	1.080	1.068	0.013
12	17	1.080	1.068	0.013
12	18	1.105	1.093	0.012
12	19	1.105	1.093	0.012
12	20	1.105	1.093	0.012
30	21	1.055	1.068	-0.013
30	22	1.105	1.093	0.012
30	23	1.105	1.118	-0.013
30	24	1.080	1.093	-0.013
30	25	1.080	1.093	-0.013
32	26	1.080	1.055	0.025
32	27	1.080	1.055	0.025
32	28	1.105	1.080	0.025
32	29	1.105	1.080	0.025
32	30	1.105	1.055	0.050
50	31	1.055	1.055	0.000
50	32	1.105	1.080	0.025
50	33	1.105	1.105	0.000
50	34	1.080	1.080	0.000
50	35	1.080	1.080	0.000
52	36	1.080	1.080	0.000
52	37	1.080	1.080	0.000
52	38	1.105	1.105	0.000
52	39	1.105	1.105	0.000
52	40	1.105	1.080	0.025
100	41	1.080	1.080	0.000
100	42	1.105	1.080	0.025
100	43	1.080	1.080	0.000
100	44	1.105	1.080	0.025
100	45	1.080	1.105	-0.025
100	46	1.105	1.080	0.025
100	47	1.105	1.080	0.025
100	48	1.080	1.105	-0.025
100	49	1.080	1.080	0.000
100	50	1.080	1.080	0.000
100	51	1.055	1.055	0.000
100	52	1.080	1.080	0.000
100	53	1.080	1.080	0.000
100	54	1.080	1.055	0.025
100	55	1.080	1.080	0.000
100	56	1.131	1.080	0.050
100	57	1.105	1.080	0.025
100	58	1.080	1.080	0.000
100	59	1.080	1.080	0.000
100	60	1.080	1.080	0.000
100	61	1.080	1.080	0.000
100	62	1.080	1.080	0.000
102	63	1.105	1.105	0.000
102	64	1.080	1.080	0.000
102	65	1.105	1.105	0.000
102	66	1.080	1.080	0.000
102	67	1.080	1.080	0.000
Max		1.131	1.118	0.050
Average		1.089	1.081	0.008
Min		1.055	1.043	-0.025
Std Dev		0.016	0.015	0.015



1700.1_ENV Start *VIN3p0v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	V
Max Limit	1.18
Min Limit	V

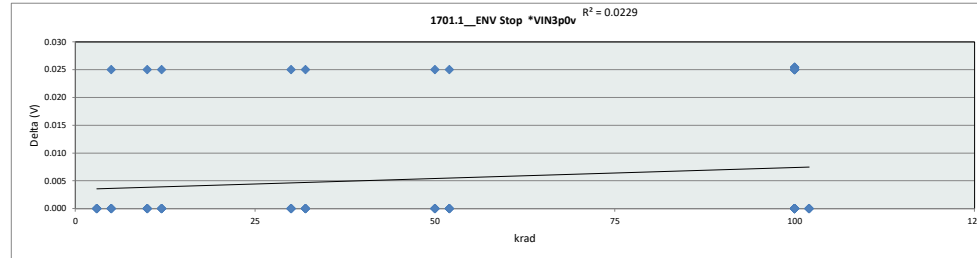
krad	3_bias	3_unbias	10_bias	10_unbias	30_bias	30_unbias	50_bias	50_unbias	100_bias	100_unbias
LL										
Min	1.055	1.080	1.043	1.068	1.068	1.055	1.055	1.080	1.055	1.080
Average	1.075	1.085	1.073	1.083	1.093	1.065	1.080	1.090	1.080	1.090
Max	1.106	1.106	1.093	1.093	1.118	1.080	1.106	1.106	1.106	1.106
UL	1.180	1.180	1.180	1.180	1.180	1.180	1.180	1.180	1.180	1.180



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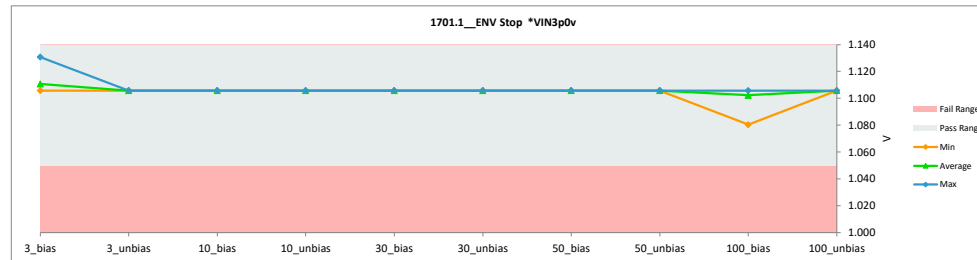
1701.1_ENV Stop *VIN3p0v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	V
Max Limit	
Min Limit	1.05

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	1.106	1.106	0.000
3	2	1.106	1.106	0.000
3	3	1.106	1.106	0.000
3	4	1.106	1.106	0.000
3	5	1.131	1.131	0.000
5	6	1.106	1.106	0.000
5	7	1.106	1.106	0.000
5	8	1.106	1.106	0.000
5	9	1.106	1.106	0.000
5	10	1.131	1.106	0.025
10	11	1.106	1.106	0.000
10	12	1.106	1.106	0.000
10	13	1.106	1.106	0.000
10	14	1.106	1.106	0.000
10	15	1.131	1.106	0.025
12	16	1.106	1.106	0.000
12	17	1.106	1.106	0.000
12	18	1.106	1.050	0.050
12	19	1.106	1.106	0.000
12	20	1.131	1.106	0.025
30	21	1.106	1.106	0.000
30	22	1.106	1.106	0.000
30	23	1.106	1.106	0.000
30	24	1.106	1.106	0.000
30	25	1.131	1.106	0.025
32	26	1.106	1.106	0.000
32	27	1.106	1.106	0.000
32	28	1.106	1.106	0.000
32	29	1.106	1.106	0.000
32	30	1.131	1.106	0.025
50	31	1.106	1.106	0.000
50	32	1.106	1.106	0.000
50	33	1.106	1.106	0.000
50	34	1.106	1.106	0.000
50	35	1.131	1.106	0.025
52	36	1.106	1.106	0.000
52	37	1.106	1.106	0.000
52	38	1.106	1.106	0.000
52	39	1.106	1.106	0.000
52	40	1.131	1.106	0.025
100	41	1.106	1.106	0.000
100	42	1.131	1.106	0.025
100	43	1.131	1.106	0.025
100	44	1.106	1.106	0.000
100	45	1.106	1.106	0.000
100	46	1.106	1.106	0.000
100	47	1.106	1.080	0.025
100	48	1.106	1.106	0.000
100	49	1.106	1.106	0.000
100	50	1.106	1.080	0.025
100	51	1.131	1.106	0.025
100	52	1.131	1.106	0.025
100	53	1.106	1.106	0.000
100	54	1.106	1.106	0.000
100	55	1.106	1.080	0.025
100	56	1.131	1.106	0.025
100	57	1.106	1.106	0.000
100	58	1.106	1.106	0.000
100	59	1.106	1.106	0.000
100	60	1.106	1.106	0.000
100	61	1.106	1.106	0.000
100	62	1.106	1.106	0.000
102	63	1.106	1.106	0.000
102	64	1.106	1.106	0.000
102	65	1.106	1.106	0.000
102	66	1.106	1.106	0.000
102	67	1.106	1.106	0.000
Max	1.131	1.131	0.025	
Average	1.111	1.105	0.006	
Min	1.106	1.080	0.000	
Std Dev	0.010	0.006	0.011	



1701.1_ENV Stop *VIN3p0v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	V
Max Limit	
Min Limit	1.05

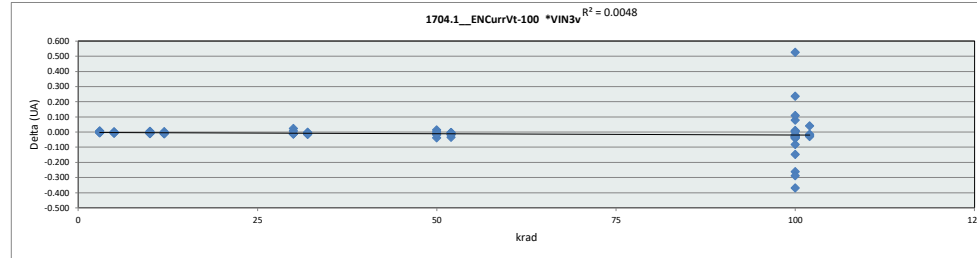
krad	3_bias	3_unbias	10_bias	10_unbias	30_bias	30_unbias	50_bias	50_unbias	100_bias	100_unbias
LL	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050
Min	1.106	1.106	1.106	1.106	1.106	1.106	1.106	1.106	1.080	1.106
Average	1.111	1.106	1.106	1.106	1.106	1.106	1.106	1.106	1.102	1.106
Max	1.131	1.106	1.106	1.106	1.106	1.106	1.106	1.106	1.106	1.106
UL										



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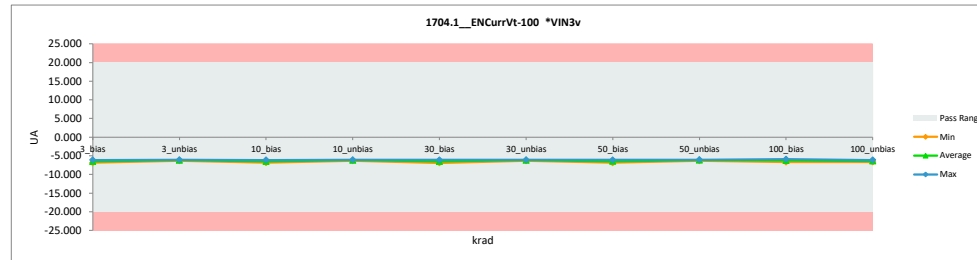
1704.1_ENCurrVt-100 *VIN3v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	UA
Max Limit	20
Min Limit	-20

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	-6.857	-6.864	0.007
3	2	-6.359	-6.355	-0.004
3	3	-6.243	-6.248	0.005
3	4	-6.853	-6.848	-0.005
3	5	-6.116	-6.112	-0.004
5	6	-6.136	-6.137	0.001
5	7	-6.133	-6.126	-0.008
5	8	-6.070	-6.067	-0.003
5	9	-6.227	-6.221	-0.006
5	10	-6.358	-6.356	-0.002
10	11	-6.857	-6.862	0.005
10	12	-6.359	-6.352	-0.007
10	13	-6.243	-6.247	0.004
10	14	-6.853	-6.842	-0.011
10	15	-6.116	-6.107	-0.009
12	16	-6.136	-6.138	0.002
12	17	-6.133	-6.122	-0.011
12	18	-6.070	-6.062	-0.008
12	19	-6.227	-6.220	-0.007
12	20	-6.358	-6.346	-0.012
30	21	-6.857	-6.880	0.023
30	22	-6.359	-6.346	-0.013
30	23	-6.243	-6.250	0.007
30	24	-6.853	-6.840	-0.013
30	25	-6.116	-6.104	-0.011
32	26	-6.136	-6.130	-0.006
32	27	-6.133	-6.117	-0.016
32	28	-6.070	-6.060	-0.010
32	29	-6.227	-6.225	-0.001
32	30	-6.358	-6.344	-0.014
50	31	-6.857	-6.871	0.014
50	32	-6.359	-6.346	-0.013
50	33	-6.243	-6.243	0.000
50	34	-6.853	-6.815	-0.038
50	35	-6.116	-6.097	-0.019
52	36	-6.136	-6.133	-0.003
52	37	-6.133	-6.116	-0.018
52	38	-6.070	-6.035	-0.035
52	39	-6.227	-6.223	-0.004
52	40	-6.358	-6.341	-0.016
100	41	-6.693	-6.324	-0.369
100	42	-6.155	-6.681	0.526
100	43	-6.206	-6.124	-0.082
100	44	-6.457	-6.196	-0.261
100	45	-6.211	-6.447	0.236
100	46	-6.313	-6.165	-0.148
100	47	-6.207	-6.285	0.078
100	48	-6.068	-6.177	0.109
100	49	-6.320	-6.032	-0.288
100	50	-6.581	-6.550	-0.032
100	51	-6.169	-6.179	0.010
100	52	-6.010	-5.992	-0.017
100	53	-6.315	-6.274	-0.041
100	54	-6.497	-6.466	-0.031
100	55	-6.553	-6.527	-0.026
100	56	-6.173	-6.138	-0.034
100	57	-5.919	-5.924	0.006
100	58	-6.362	-6.332	-0.030
100	59	-6.161	-6.143	-0.018
100	60	-6.155	-6.128	-0.027
100	61	-6.210	-6.173	-0.038
100	62	-6.464	-6.468	0.003
102	63	-6.225	-6.210	-0.015
102	64	-6.475	-6.446	-0.030
102	65	-6.150	-6.131	-0.019
102	66	-6.495	-6.473	-0.022
102	67	-6.623	-6.663	0.040
Max		-5.919	-5.924	0.526
Average		-6.322	-6.310	-0.012
Min		-6.857	-6.880	-0.369
Std Dev		0.248	0.252	0.101



1704.1_ENCurrVt-100 *VIN3v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	UA
Max Limit	20
Min Limit	-20

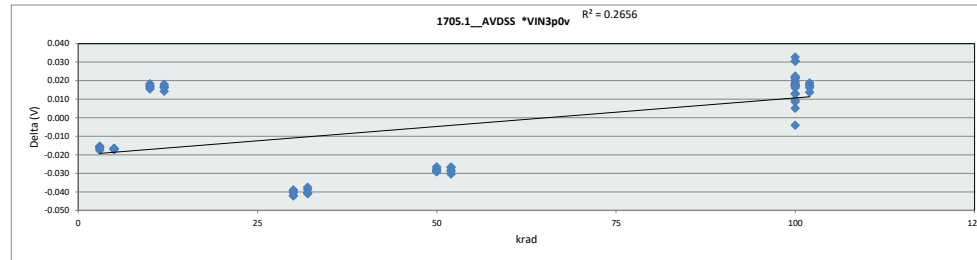
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias
LL	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000
Min	-6.864	-6.356	-6.862	-6.346	-6.880	-6.344	-6.871	-6.341	-6.681	-6.663
Average	-6.485	-6.181	-6.482	-6.178	-6.484	-6.175	-6.474	-6.170	-6.260	-6.385
Max	-6.112	-6.067	-6.107	-6.062	-6.104	-6.060	-6.097	-6.035	-5.924	-6.131
UL	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000



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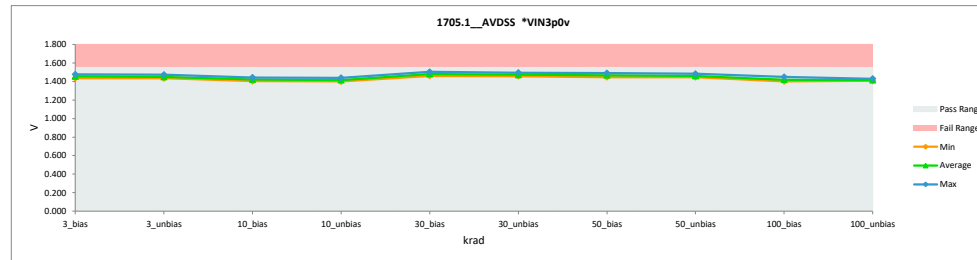
1705.1_AVDSS *VIN3p0v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	V
Max Limit	1.55
Min Limit	0

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	1.447	1.465	-0.018
3	2	1.444	1.460	-0.016
3	3	1.420	1.436	-0.016
3	4	1.460	1.475	-0.015
3	5	1.425	1.441	-0.016
5	6	1.429	1.446	-0.017
5	7	1.455	1.472	-0.017
5	8	1.430	1.447	-0.017
5	9	1.416	1.433	-0.017
5	10	1.427	1.444	-0.017
10	11	1.447	1.432	0.016
10	12	1.444	1.425	0.018
10	13	1.420	1.403	0.017
10	14	1.460	1.443	0.017
10	15	1.425	1.408	0.016
12	16	1.429	1.413	0.016
12	17	1.455	1.437	0.018
12	18	1.430	1.413	0.017
12	19	1.416	1.400	0.016
12	20	1.427	1.413	0.014
30	21	1.447	1.489	-0.042
30	22	1.444	1.483	-0.039
30	23	1.420	1.459	-0.039
30	24	1.460	1.502	-0.042
30	25	1.425	1.465	-0.040
32	26	1.429	1.470	-0.041
32	27	1.455	1.494	-0.039
32	28	1.430	1.468	-0.038
32	29	1.416	1.456	-0.041
32	30	1.427	1.468	-0.041
50	31	1.447	1.476	-0.029
50	32	1.444	1.472	-0.028
50	33	1.420	1.446	-0.026
50	34	1.460	1.489	-0.029
50	35	1.425	1.453	-0.028
52	36	1.429	1.457	-0.028
52	37	1.455	1.482	-0.027
52	38	1.430	1.457	-0.027
52	39	1.416	1.446	-0.030
52	40	1.427	1.456	-0.029
100	41	1.429	1.408	0.021
100	42	1.432	1.414	0.019
100	43	1.421	1.412	0.010
100	44	1.436	1.403	0.033
100	45	1.428	1.420	0.008
100	46	1.442	1.412	0.030
100	47	1.427	1.422	0.005
100	48	1.442	1.411	0.031
100	49	1.421	1.426	-0.004
100	50	1.453	1.436	0.017
100	51	1.444	1.426	0.018
100	52	1.422	1.405	0.017
100	53	1.453	1.431	0.022
100	54	1.460	1.447	0.013
100	55	1.460	1.440	0.020
100	56	1.424	1.401	0.022
100	57	1.414	1.402	0.013
100	58	1.420	1.404	0.016
100	59	1.449	1.432	0.017
100	60	1.427	1.410	0.018
100	61	1.428	1.411	0.017
100	62	1.464	1.442	0.022
102	63	1.431	1.413	0.018
102	64	1.440	1.421	0.019
102	65	1.425	1.407	0.017
102	66	1.420	1.406	0.014
102	67	1.445	1.429	0.016
Max		1.464	1.502	0.033
Average		1.435	1.439	-0.003
Min		1.414	1.400	-0.042
Std Dev		0.014	0.027	0.024



1705.1_AVDSS *VIN3p0v	
Test Site	1
Tester	ETS364
Test Number	EF823401
Max Limit	1.55
Min Limit	0

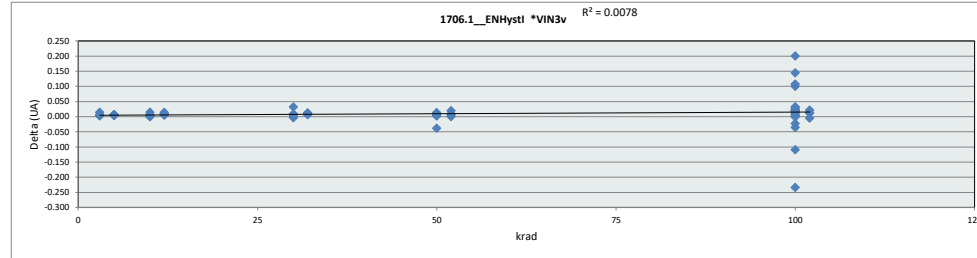
krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	1.436	1.433	1.403	1.400	1.460	1.456	1.447	1.446	1.401	1.406
Average	1.455	1.448	1.422	1.415	1.480	1.471	1.467	1.460	1.419	1.415
Max	1.475	1.472	1.443	1.437	1.502	1.494	1.489	1.482	1.447	1.429
UL	1.550	1.550	1.550	1.550	1.550	1.550	1.550	1.550	1.550	1.550



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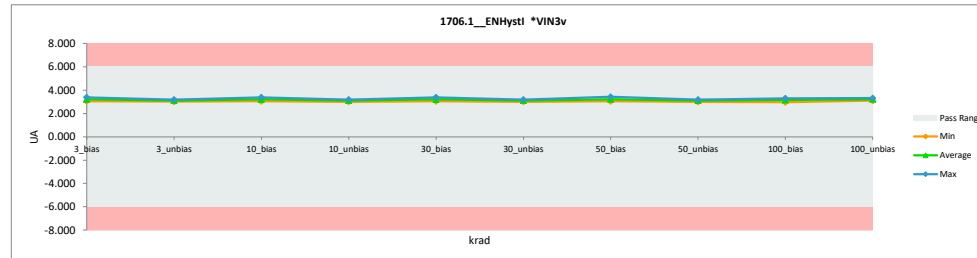
1706.1_ENHystI *VIN3v		
Test Site	1	
Tester	ETS364	
Test Number	EF823401	
Unit	UA	
Max Limit	6	
Min Limit	-6	

krad	Serial #	Pre_Total	Post_Total	Delta
3	1	3.382	3.368	0.014
3	2	3.200	3.194	0.006
3	3	3.117	3.114	0.003
3	4	3.387	3.385	0.002
3	5	3.048	3.043	0.006
5	6	3.107	3.100	0.007
5	7	3.166	3.161	0.005
5	8	3.018	3.013	0.006
5	9	3.131	3.125	0.006
5	10	3.198	3.195	0.003
10	11	3.382	3.368	0.014
10	12	3.200	3.194	0.006
10	13	3.117	3.115	0.002
10	14	3.387	3.388	-0.001
10	15	3.048	3.044	0.004
12	16	3.107	3.102	0.005
12	17	3.166	3.153	0.014
12	18	3.018	3.010	0.009
12	19	3.131	3.125	0.006
12	20	3.198	3.188	0.010
30	21	3.382	3.351	0.032
30	22	3.200	3.191	0.009
30	23	3.117	3.115	0.002
30	24	3.387	3.391	-0.004
30	25	3.048	3.041	0.007
32	26	3.107	3.098	0.009
32	27	3.166	3.156	0.010
32	28	3.018	3.006	0.012
32	29	3.131	3.125	0.006
32	30	3.198	3.188	0.010
50	31	3.382	3.369	0.013
50	32	3.200	3.194	0.006
50	33	3.117	3.115	0.002
50	34	3.387	3.426	-0.039
50	35	3.048	3.040	0.008
52	36	3.107	3.098	0.009
52	37	3.166	3.157	0.009
52	38	3.018	2.999	0.019
52	39	3.131	3.131	0.000
52	40	3.198	3.193	0.005
100	41	3.326	3.182	0.144
100	42	3.076	3.310	-0.234
100	43	3.057	3.049	0.009
100	44	3.254	3.054	0.200
100	45	3.133	3.242	-0.109
100	46	3.201	3.101	0.100
100	47	3.160	3.182	-0.023
100	48	3.099	3.134	-0.036
100	49	3.184	3.076	0.107
100	50	3.280	3.257	0.023
100	51	3.172	3.168	0.005
100	52	3.033	3.017	0.016
100	53	3.262	3.231	0.031
100	54	3.280	3.260	0.020
100	55	3.320	3.304	0.016
100	56	3.126	3.102	0.025
100	57	2.965	2.962	0.003
100	58	3.162	3.141	0.021
100	59	3.138	3.124	0.015
100	60	3.119	3.099	0.020
100	61	3.201	3.170	0.032
100	62	3.258	3.260	-0.001
102	63	3.179	3.167	0.012
102	64	3.295	3.273	0.021
102	65	3.109	3.097	0.012
102	66	3.296	3.284	0.012
102	67	3.315	3.320	-0.005
Max		3.387	3.426	0.200
Average		3.179	3.169	0.010
Min		2.965	2.962	-0.234
Std Dev		0.110	0.111	0.048



1706.1_ENHystI *VIN3v		
Test Site	1	
Tester	ETS364	
Test Number	EF823401	
Unit	UA	
Max Limit	6	
Min Limit	-6	

krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias
LL	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000
Min	3.043	3.013	3.044	3.010	3.041	3.006	3.041	2.999	2.962	3.097
Average	3.221	3.119	3.222	3.115	3.218	3.114	3.229	3.116	3.156	3.228
Max	3.385	3.195	3.388	3.188	3.391	3.188	3.426	3.193	3.310	3.320
UL	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000



## ***HDR Total Ionizing Dose Report***

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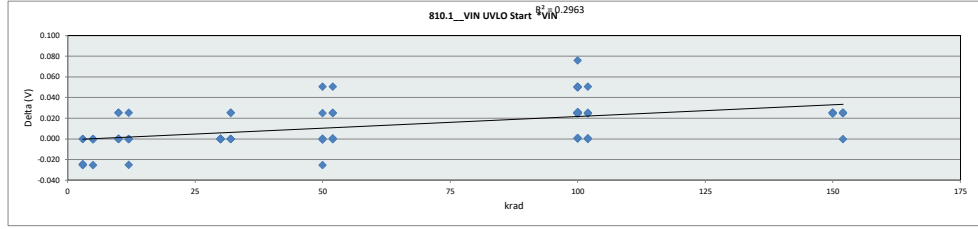
This appendix provides the TPS50601A-SP HDR TID report.

HDR TID Report  
TPS50601A-SP

HDR TID Report  
TPS50601A-SP

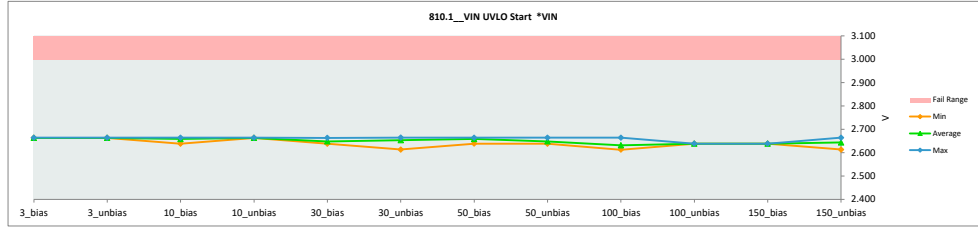
810.1_VIN UVLO Start *VIN	
Test Site	1
Tester	ETS364
Test Number	EF823401
Unit	V
Max Limit	3
Min Limit	3

krad	Serial #	Pre Total	Post Total	Delta
3	1	2.663	2.663	0.000
3	2	2.663	2.663	0.000
3	3	2.638	2.663	-0.025
3	4	2.638	2.663	-0.025
3	5	2.638	2.663	-0.025
10	15	2.663	2.663	0.000
10	16	2.663	2.663	0.000
10	17	2.663	2.663	0.000
10	18	2.689	2.663	0.025
10	20	2.663	2.638	0.025
30	27	2.638	2.638	0.000
30	28	2.638	2.638	0.000
30	29	2.663	2.663	0.000
30	30	2.663	2.663	0.000
30	32	2.638	2.638	0.000
50	39	2.663	2.663	0.000
50	40	2.688	2.663	0.025
50	41	2.663	2.664	-0.001
50	42	2.638	2.663	-0.025
50	43	2.663	2.613	0.051
100	51	2.663	2.638	0.025
100	52	2.663	2.638	0.025
100	53	2.663	2.638	0.025
100	54	2.638	2.613	0.026
100	55	2.663	2.638	0.025
100	56	2.663	2.638	0.026
100	57	2.638	2.613	0.025
100	58	2.663	2.638	0.024
100	59	2.663	2.638	0.025
100	60	2.638	2.638	0.000
100	61	2.663	2.663	0.000
100	62	2.688	2.663	0.025
100	64	2.689	2.663	0.025
100	66	2.638	2.613	0.026
100	67	2.613	2.612	0.001
100	69	2.663	2.638	0.026
100	71	2.689	2.613	0.076
100	72	2.663	2.613	0.050
100	73	2.663	2.613	0.051
100	74	2.638	2.613	0.025
100	75	2.663	2.613	0.050
100	76	2.688	2.638	0.050
150	84	2.663	2.638	0.025
150	86	2.663	2.638	0.025
150	87	2.663	2.638	0.025
150	88	2.663	2.638	0.025
150	89	2.663	2.638	0.025
5	8	2.663	2.663	0.000
5	10	2.663	2.663	0.000
5	11	2.663	2.663	0.000
5	12	2.663	2.663	0.000
5	14	2.638	2.663	-0.025
12	22	2.663	2.663	0.000
12	23	2.663	2.663	0.000
12	24	2.663	2.663	0.000
12	25	2.689	2.663	0.025
12	26	2.638	2.663	-0.025
32	33	2.689	2.663	0.025
32	34	2.663	2.638	0.025
32	35	2.663	2.663	0.000
32	36	2.663	2.663	0.000
32	37	2.663	2.663	0.000
52	44	2.638	2.638	0.000
52	45	2.663	2.663	0.000
52	46	2.688	2.663	0.025
52	47	2.663	2.638	0.025
52	49	2.688	2.638	0.050
102	78	2.638	2.638	0.001
102	79	2.638	2.638	0.000
102	80	2.663	2.638	0.025
102	81	2.663	2.638	0.025
102	83	2.689	2.638	0.051
152	90	2.663	2.638	0.025
152	91	2.688	2.663	0.025
152	93	2.663	2.663	0.000
152	95	2.638	2.613	0.025
152	96	2.664	2.638	0.025
Max		2.689	2.664	0.076
Average		2.661	2.646	0.014
Min		2.613	2.612	-0.025
Std Dev		0.017	0.018	0.021



810.1_VIN UVLO Start *VIN	
Test Site	1
Tester	ETS364
Test Number	EF823401
Max Limit	3
Min Limit	V

krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased	150 bias	150 unbiased
LL	2.663	2.663	2.638	2.663	2.638	2.613	2.638	2.638	2.613	2.638	2.638	2.613
Average	2.663	2.663	2.658	2.663	2.648	2.653	2.658	2.648	2.631	2.638	2.638	2.643
Max	2.663	2.663	2.663	2.663	2.663	2.664	2.663	2.663	2.663	2.639	2.638	2.663
UL	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000

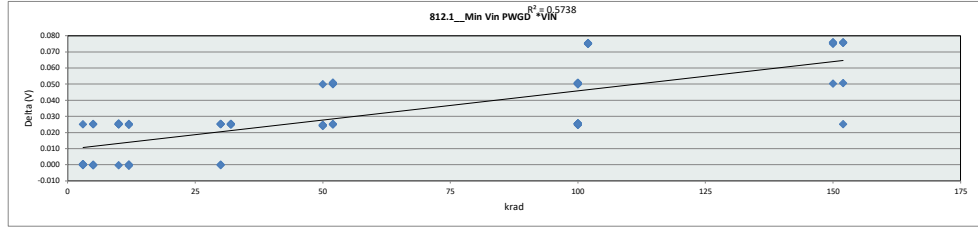




HDR TID Report  
TPS50601A-SP

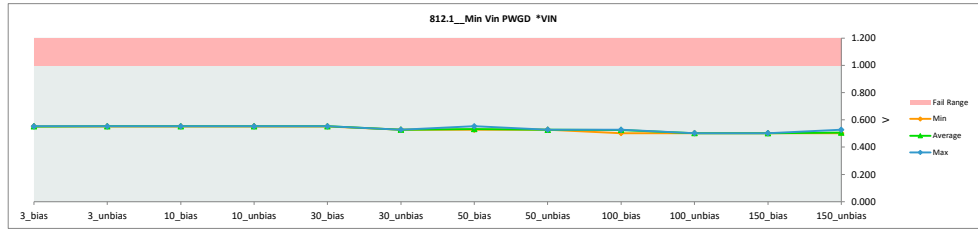
812.1_Min Vin PWGD *VIN			
Test Site	1	1	
Tester	ETS364	ETS364	
Test Number	EF823401	EF823401	
Unit	V	V	
Max Limit	1	1	
Min Limit			

krad	Serial #	Pre Total	Post Total	Delta
3	1	0.553	0.552	0.000
3	2	0.552	0.553	0.000
3	3	0.553	0.552	0.000
3	4	0.552	0.552	0.000
3	5	0.578	0.553	0.025
10	15	0.553	0.553	0.000
10	16	0.578	0.553	0.025
10	17	0.578	0.553	0.025
10	18	0.578	0.552	0.026
10	20	0.578	0.553	0.025
30	27	0.553	0.553	0.000
30	28	0.578	0.552	0.025
30	29	0.578	0.553	0.025
30	30	0.578	0.552	0.025
30	32	0.552	0.552	0.000
50	39	0.578	0.578	0.000
50	40	0.552	0.528	0.024
50	41	0.552	0.528	0.024
50	42	0.552	0.528	0.025
50	43	0.552	0.528	0.025
100	51	0.553	0.503	0.050
100	52	0.553	0.527	0.025
100	53	0.578	0.527	0.051
100	54	0.552	0.528	0.025
100	55	0.553	0.527	0.025
100	56	0.553	0.527	0.025
100	57	0.578	0.527	0.051
100	58	0.553	0.527	0.025
100	59	0.578	0.527	0.051
100	60	0.578	0.527	0.051
100	61	0.552	0.527	0.025
100	62	0.553	0.527	0.025
100	64	0.578	0.527	0.050
100	66	0.578	0.527	0.051
100	67	0.553	0.527	0.025
100	69	0.553	0.527	0.025
100	71	0.553	0.527	0.025
100	72	0.578	0.527	0.051
100	73	0.553	0.528	0.025
100	74	0.578	0.527	0.051
100	75	0.553	0.527	0.025
100	76	0.577	0.527	0.050
150	84	0.578	0.502	0.076
150	86	0.552	0.502	0.050
150	87	0.578	0.503	0.075
150	88	0.578	0.502	0.076
150	89	0.578	0.502	0.076
5	8	0.578	0.552	0.025
5	10	0.553	0.553	0.000
5	11	0.553	0.553	0.000
5	12	0.578	0.553	0.025
5	14	0.552	0.553	0.000
12	22	0.578	0.552	0.025
12	23	0.552	0.552	0.000
12	24	0.553	0.553	0.000
12	25	0.552	0.553	-0.001
12	26	0.577	0.553	0.025
32	33	0.553	0.528	0.025
32	34	0.553	0.528	0.025
32	35	0.553	0.527	0.025
32	36	0.552	0.527	0.025
32	37	0.578	0.553	0.025
52	44	0.578	0.528	0.050
52	45	0.578	0.527	0.050
52	46	0.553	0.528	0.025
52	47	0.578	0.527	0.051
52	49	0.553	0.527	0.025
102	78	0.578	0.503	0.075
102	79	0.578	0.503	0.075
102	80	0.578	0.502	0.075
102	81	0.578	0.503	0.075
102	83	0.578	0.502	0.076
152	90	0.552	0.527	0.025
152	91	0.553	0.502	0.051
152	93	0.578	0.502	0.076
152	95	0.578	0.502	0.076
152	96	0.578	0.502	0.076
Max		0.578	0.553	0.076
Average		0.565	0.531	0.034
Min		0.552	0.502	-0.001
Std Dev		0.013	0.018	0.024



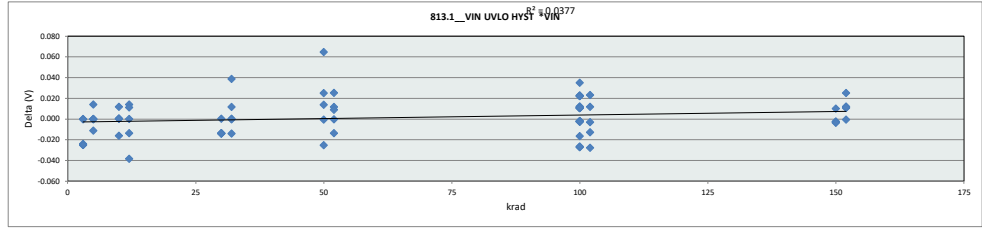
812.1_Min Vin PWGD *VIN			
Test Site	1		
Tester	ETS364		
Test Number	EF823401		
Max Limit	1		
Min Limit	V		

	krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased	150 bias	150 unbiased
LL													
Min		0.552	0.552	0.552	0.552	0.552	0.528	0.527	0.527	0.503	0.503	0.502	0.502
Average		0.553	0.553	0.553	0.553	0.553	0.528	0.533	0.528	0.526	0.503	0.502	0.507
Max		0.553	0.553	0.553	0.553	0.553	0.528	0.553	0.528	0.528	0.503	0.503	0.527
UL		1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

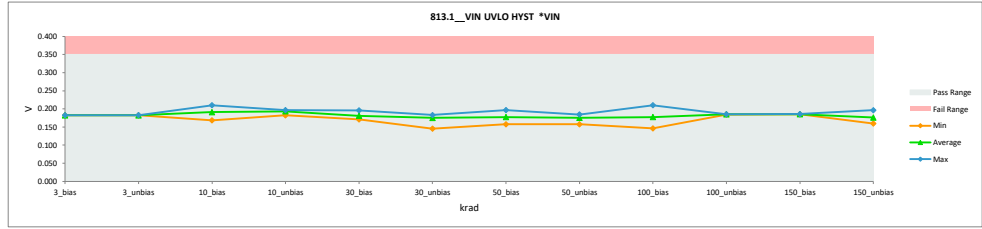


HDR TID Report  
TPS50601A-SP

813.1_VIN UVLO HYST *VIN					
Test Site	1	1			
Tester	ETS364	ETS364			
Test Number	EF823401	EF823401			
Unit	V	V			
Max Limit	0.35	0.35			
Min Limit	0	0			
krad	Serial #	Pre Total	Post Total	Delta	
3	1	0.182	0.182	0.000	
3	2	0.182	0.182	0.000	
3	3	0.158	0.182	-0.024	
3	4	0.157	0.182	-0.025	
3	5	0.157	0.182	-0.025	
10	15	0.196	0.196	0.000	
10	16	0.169	0.168	0.000	
10	17	0.196	0.196	0.000	
10	18	0.194	0.210	-0.016	
10	20	0.196	0.185	0.012	
30	27	0.157	0.171	-0.014	
30	28	0.157	0.171	-0.014	
30	29	0.196	0.196	0.000	
30	30	0.182	0.196	-0.014	
30	32	0.157	0.171	-0.014	
50	39	0.196	0.182	0.014	
50	40	0.207	0.182	0.025	
50	41	0.182	0.183	-0.001	
50	42	0.157	0.183	-0.025	
50	43	0.210	0.146	0.065	
100	51	0.182	0.172	0.011	
100	52	0.182	0.171	0.011	
100	53	0.196	0.199	-0.002	
100	54	0.172	0.160	0.012	
100	55	0.182	0.185	-0.002	
100	56	0.169	0.171	-0.002	
100	57	0.158	0.160	-0.002	
100	58	0.196	0.185	0.011	
100	59	0.182	0.171	0.011	
100	60	0.158	0.185	-0.027	
100	61	0.183	0.210	-0.027	
100	62	0.208	0.196	0.012	
100	64	0.208	0.197	0.011	
100	66	0.144	0.146	-0.002	
100	67	0.147	0.173	-0.026	
100	69	0.169	0.171	-0.002	
100	71	0.208	0.173	0.035	
100	72	0.196	0.174	0.022	
100	73	0.196	0.174	0.023	
100	74	0.157	0.174	-0.016	
100	75	0.196	0.174	0.022	
100	76	0.207	0.185	0.022	
150	84	0.182	0.185	-0.002	
150	86	0.182	0.185	-0.003	
150	87	0.182	0.185	-0.003	
150	88	0.196	0.186	0.010	
150	89	0.182	0.186	-0.004	
5	8	0.182	0.182	0.000	
5	10	0.182	0.182	0.000	
5	11	0.182	0.182	0.000	
5	12	0.196	0.182	0.014	
5	14	0.171	0.183	-0.011	
12	22	0.196	0.182	0.014	
12	23	0.196	0.196	0.000	
12	24	0.182	0.196	-0.014	
12	25	0.208	0.197	0.011	
12	26	0.158	0.196	-0.038	
32	33	0.207	0.169	0.039	
32	34	0.169	0.157	0.012	
32	35	0.182	0.182	0.000	
32	36	0.182	0.182	0.000	
32	37	0.182	0.197	-0.014	
52	44	0.157	0.157	0.000	
52	45	0.169	0.182	-0.014	
52	46	0.194	0.182	0.012	
52	47	0.196	0.171	0.025	
52	49	0.194	0.185	0.009	
102	78	0.172	0.185	-0.013	
102	79	0.157	0.185	-0.028	
102	80	0.196	0.185	0.012	
102	81	0.182	0.185	-0.003	
102	83	0.208	0.185	0.023	
152	90	0.182	0.172	0.011	
152	91	0.194	0.182	0.012	
152	93	0.196	0.196	-0.001	
152	95	0.171	0.160	0.011	
152	96	0.197	0.172	0.025	
	Max	0.210	0.210	0.065	
	Average	0.183	0.181	0.002	
	Min	0.144	0.146	-0.038	
	Std Dev	0.017	0.012	0.017	

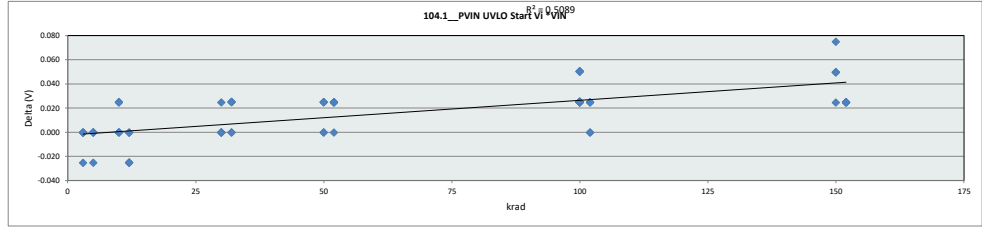


813.1_VIN UVLO HYST *VIN													
Test Site	1												
Tester	ETS364												
Test Number	EF823401												
Max Limit	0.35												
Min Limit	0												
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias	150 bias	150 unbias	150 unbias
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.182	0.182	0.168	0.182	0.171	0.146	0.157	0.146	0.157	0.146	0.185	0.185	0.160
Average	0.182	0.182	0.191	0.193	0.181	0.175	0.177	0.176	0.177	0.185	0.185	0.186	0.176
Max	0.182	0.183	0.210	0.197	0.196	0.183	0.197	0.185	0.210	0.185	0.186	0.196	0.196
UL	0.350	0.350	0.350	0.350	0.350	0.350	0.350	0.350	0.350	0.350	0.350	0.350	0.350

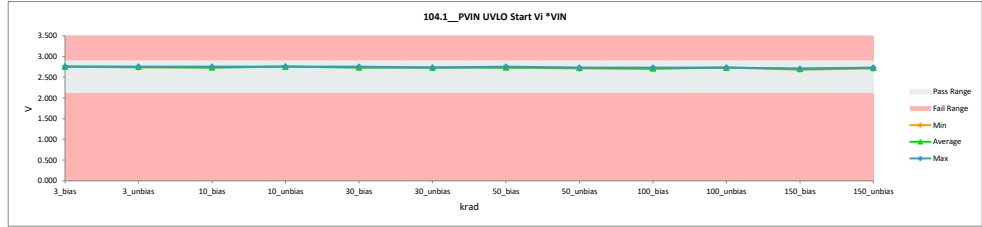


HDR TID Report  
TPS50601A-SP

104.1_PVIN UVLO Start Vi *VIN				
Test Site	1	1		
Tester	ETS364	ETS364		
Test Number	EF823401	EF823401		
Unit	V	V		
Max Limit	2.9	2.9		
Min Limit	2.1	2.1		
krad	Serial #	Pre Total	Post Total	Delta
3	1	2.757	2.758	0.000
3	2	2.757	2.758	0.000
3	3	2.757	2.758	0.000
3	4	2.757	2.758	0.000
3	5	2.732	2.758	-0.025
10	15	2.732	2.733	0.000
10	16	2.758	2.758	0.000
10	17	2.733	2.733	0.000
10	18	2.758	2.733	0.025
10	20	2.757	2.733	0.025
30	27	2.732	2.733	0.000
30	28	2.732	2.733	0.000
30	29	2.757	2.733	0.025
30	30	2.758	2.758	0.000
30	32	2.732	2.733	0.000
50	39	2.732	2.733	0.000
50	40	2.758	2.733	0.025
50	41	2.757	2.733	0.025
50	42	2.733	2.733	0.000
50	43	2.757	2.733	0.025
100	51	2.733	2.707	0.025
100	52	2.733	2.707	0.025
100	53	2.732	2.707	0.025
100	54	2.732	2.707	0.025
100	55	2.757	2.733	0.025
100	56	2.732	2.707	0.025
100	57	2.732	2.708	0.025
100	58	2.732	2.707	0.025
100	59	2.732	2.707	0.025
100	60	2.757	2.732	0.025
100	61	2.758	2.733	0.025
100	62	2.758	2.733	0.025
100	64	2.732	2.707	0.025
100	66	2.758	2.733	0.025
100	67	2.733	2.707	0.025
100	69	2.732	2.707	0.025
100	71	2.757	2.707	0.050
100	72	2.758	2.707	0.051
100	73	2.758	2.707	0.050
100	74	2.732	2.707	0.025
100	75	2.758	2.707	0.050
100	76	2.758	2.707	0.050
150	84	2.757	2.708	0.050
150	86	2.758	2.708	0.050
150	87	2.757	2.683	0.075
150	88	2.732	2.708	0.025
150	89	2.757	2.708	0.050
5	8	2.732	2.733	0.000
5	10	2.757	2.758	0.000
5	11	2.757	2.758	0.000
5	12	2.757	2.758	0.000
5	14	2.733	2.758	-0.025
12	22	2.758	2.758	0.000
12	23	2.733	2.758	-0.025
12	24	2.733	2.758	-0.025
12	25	2.757	2.758	0.000
12	26	2.732	2.758	-0.025
32	33	2.733	2.733	0.000
32	34	2.758	2.733	0.025
32	35	2.758	2.733	0.025
32	36	2.758	2.758	0.000
32	37	2.757	2.732	0.025
52	44	2.732	2.708	0.025
52	45	2.758	2.733	0.025
52	46	2.757	2.733	0.025
52	47	2.732	2.733	0.000
52	49	2.758	2.733	0.025
102	78	2.732	2.733	0.000
102	79	2.758	2.733	0.025
102	80	2.732	2.733	0.000
102	81	2.758	2.733	0.025
102	83	2.757	2.733	0.025
152	90	2.758	2.733	0.025
152	91	2.758	2.733	0.025
152	93	2.757	2.733	0.025
152	95	2.733	2.708	0.025
152	96	2.758	2.733	0.025
	Max	2.758	2.758	0.075
	Average	2.747	2.730	0.017
	Min	2.732	2.683	-0.025
	Std Dev	0.012	0.019	0.020

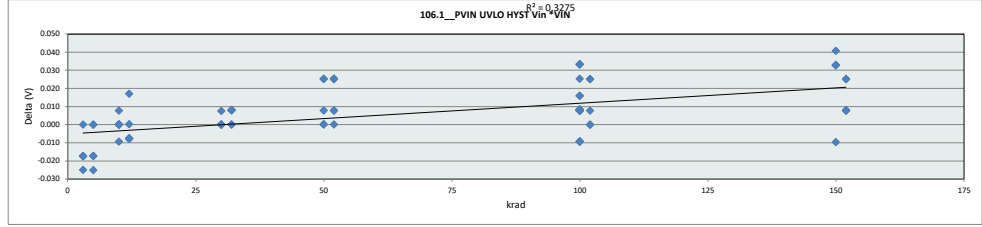


104.1_PVIN UVLO Start Vi *VI												
Test Site	1											
Tester	ETS364											
Test Number	EF823401											
Max Limit	2.9	V										
Min Limit	2.1	V										
krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased	150 bias	150 unbiased
LL	2.100	2.100	2.100	2.100	2.100	2.100	2.100	2.100	2.100	2.100	2.100	2.100
Min	2.758	2.733	2.733	2.758	2.733	2.733	2.732	2.708	2.707	2.733	2.683	2.708
Average	2.758	2.753	2.738	2.758	2.738	2.733	2.738	2.728	2.713	2.733	2.703	2.728
Max	2.758	2.758	2.758	2.758	2.758	2.733	2.758	2.733	2.733	2.733	2.708	2.733
UL	2.900	2.900	2.900	2.900	2.900	2.900	2.900	2.900	2.900	2.900	2.900	2.900

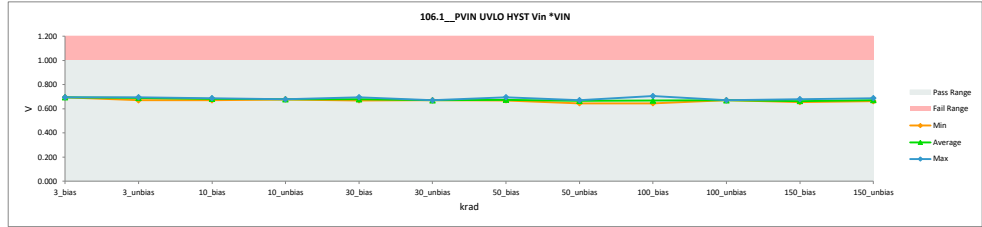


HDR TID Report  
TPS50601A-SP

106.1_PVIN UVLO HYST Vin *VIN				
Test Site	1	1		
Tester	ETS364	ETS364		
Test Number	EF823401	EF823401		
Unit	V	V		
Max Limit	1	1		
Min Limit	0	0		
krad	Serial #	Pre Total	Post Total	Delta
3	1	0.677	0.695	-0.017
3	2	0.695	0.695	0.000
3	3	0.678	0.695	-0.017
3	4	0.678	0.695	-0.017
3	5	0.670	0.695	-0.025
10	15	0.670	0.670	0.000
10	16	0.678	0.677	0.000
10	17	0.687	0.687	0.000
10	18	0.678	0.687	-0.009
10	20	0.695	0.687	0.008
30	27	0.670	0.670	0.000
30	28	0.669	0.669	0.000
30	29	0.695	0.687	0.007
30	30	0.695	0.695	0.000
30	32	0.670	0.670	0.000
50	39	0.670	0.670	0.000
50	40	0.678	0.670	0.008
50	41	0.695	0.670	0.025
50	42	0.670	0.670	0.000
50	43	0.695	0.670	0.025
100	51	0.670	0.662	0.008
100	52	0.670	0.645	0.025
100	53	0.670	0.662	0.008
100	54	0.670	0.661	0.008
100	55	0.695	0.687	0.008
100	56	0.670	0.662	0.008
100	57	0.670	0.662	0.008
100	58	0.670	0.662	0.008
100	59	0.670	0.662	0.008
100	60	0.678	0.687	-0.009
100	61	0.695	0.704	-0.009
100	62	0.678	0.687	-0.009
100	64	0.670	0.662	0.008
100	66	0.678	0.687	-0.009
100	67	0.670	0.662	0.008
100	69	0.670	0.662	0.008
100	71	0.678	0.662	0.016
100	72	0.695	0.662	0.033
100	73	0.695	0.662	0.033
100	74	0.670	0.662	0.008
100	75	0.695	0.662	0.033
100	76	0.678	0.662	0.016
150	84	0.695	0.662	0.033
150	86	0.695	0.662	0.033
150	87	0.695	0.654	0.041
150	88	0.670	0.679	-0.010
150	89	0.695	0.662	0.033
5	8	0.670	0.670	0.000
5	10	0.678	0.695	-0.017
5	11	0.695	0.695	0.000
5	12	0.678	0.695	-0.017
5	14	0.670	0.695	-0.025
12	22	0.678	0.678	0.000
12	23	0.670	0.678	-0.008
12	24	0.670	0.677	-0.007
12	25	0.695	0.678	0.017
12	26	0.670	0.677	-0.008
32	33	0.670	0.670	0.000
32	34	0.678	0.670	0.008
32	35	0.678	0.670	0.008
32	36	0.695	0.695	0.000
32	37	0.678	0.669	0.008
52	44	0.670	0.645	0.025
52	45	0.678	0.670	0.008
52	46	0.678	0.670	0.008
52	47	0.670	0.670	0.000
52	49	0.695	0.670	0.025
102	78	0.670	0.670	0.000
102	79	0.678	0.670	0.008
102	80	0.670	0.670	0.000
102	81	0.695	0.670	0.025
102	83	0.695	0.670	0.025
152	90	0.695	0.670	0.025
152	91	0.678	0.670	0.008
152	93	0.695	0.670	0.025
152	95	0.670	0.662	0.008
152	96	0.695	0.687	0.008
Max		0.695	0.704	0.041
Average		0.680	0.674	0.006
Min		0.669	0.645	-0.025
Std Dev		0.011	0.013	0.015

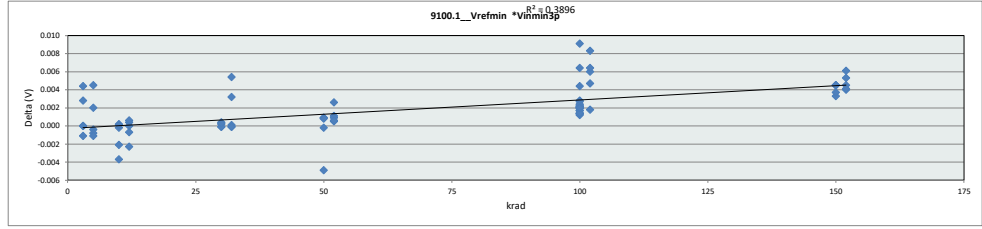


106.1_PVIN UVLO HYST Vin *VIN													
Test Site	1												
Tester	ETS364												
Test Number	EF823401												
Max Limit	1	V											
Min Limit	0	V											
krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased	150 bias	150 unbiased	
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Min	0.695	0.670	0.670	0.677	0.670	0.670	0.669	0.645	0.645	0.670	0.654	0.662	
Average	0.695	0.690	0.682	0.678	0.678	0.670	0.675	0.665	0.667	0.670	0.664	0.672	
Max	0.695	0.695	0.687	0.678	0.695	0.670	0.695	0.670	0.704	0.670	0.679	0.687	
UL	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	

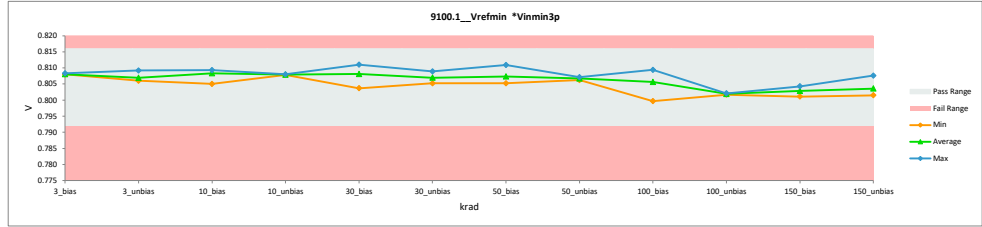


HDR TID Report  
TPS50601A-SP

		9100.1_Vrefmin *Vinmin3p		
Test Site	1	1		
Tester	ETS364	ETS364		
Test Number	EF823401	EF823401		
Unit	V	V		
Max Limit	0.816	0.816		
Min Limit	0.792	0.792		
krad	Serial #	Pre Total	Post Total	Delta
3	1	0.811	0.808	0.003
3	2	0.808	0.808	0.000
3	3	0.807	0.808	-0.001
3	4	0.812	0.808	0.004
3	5	0.808	0.808	0.000
10	15	0.805	0.805	0.000
10	16	0.809	0.809	0.000
10	17	0.809	0.809	0.000
10	18	0.807	0.809	-0.002
10	20	0.806	0.809	-0.004
30	27	0.809	0.809	0.000
30	28	0.811	0.811	0.000
30	29	0.809	0.809	0.000
30	30	0.804	0.804	0.000
30	32	0.808	0.808	0.000
50	39	0.804	0.809	-0.005
50	40	0.810	0.809	0.001
50	41	0.807	0.806	0.001
50	42	0.806	0.806	0.000
50	43	0.806	0.805	0.001
100	51	0.808	0.806	0.002
100	52	0.809	0.800	0.009
100	53	0.808	0.806	0.002
100	54	0.810	0.808	0.002
100	55	0.809	0.807	0.002
100	56	0.808	0.806	0.002
100	57	0.807	0.805	0.002
100	58	0.806	0.805	0.001
100	59	0.807	0.805	0.002
100	60	0.810	0.808	0.002
100	61	0.809	0.808	0.001
100	62	0.811	0.809	0.001
100	64	0.807	0.805	0.002
100	66	0.808	0.805	0.003
100	67	0.804	0.803	0.002
100	69	0.810	0.809	0.001
100	71	0.808	0.805	0.003
100	72	0.807	0.805	0.002
100	73	0.809	0.805	0.004
100	74	0.807	0.805	0.002
100	75	0.811	0.805	0.006
100	76	0.807	0.805	0.002
150	84	0.809	0.804	0.004
150	86	0.806	0.803	0.003
150	87	0.807	0.803	0.004
150	88	0.806	0.801	0.004
150	89	0.808	0.803	0.005
5	8	0.809	0.809	0.000
5	10	0.811	0.806	0.005
5	11	0.806	0.806	-0.001
5	12	0.808	0.806	0.002
5	14	0.806	0.807	-0.001
12	22	0.808	0.808	0.000
12	23	0.806	0.808	-0.002
12	24	0.807	0.808	-0.001
12	25	0.808	0.808	0.000
12	26	0.808	0.808	0.001
32	33	0.807	0.807	0.000
32	34	0.811	0.811	0.000
32	35	0.812	0.807	0.005
32	36	0.807	0.807	0.000
32	37	0.808	0.805	0.003
52	44	0.808	0.807	0.001
52	45	0.808	0.807	0.001
52	46	0.808	0.807	0.001
52	47	0.807	0.806	0.001
52	49	0.809	0.806	0.003
102	78	0.806	0.802	0.005
102	79	0.808	0.802	0.006
102	80	0.804	0.802	0.002
102	81	0.808	0.802	0.006
102	83	0.810	0.802	0.008
152	90	0.810	0.803	0.006
152	91	0.812	0.808	0.004
152	93	0.806	0.802	0.004
152	95	0.806	0.802	0.004
152	96	0.809	0.803	0.005
	Max	0.812	0.811	0.009
	Average	0.808	0.806	0.002
	Min	0.804	0.800	-0.005
	Std Dev	0.002	0.003	-0.003

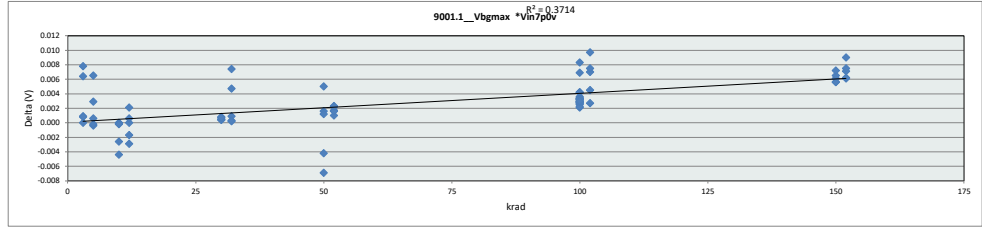


		9100.1_Vrefmin *Vinmin3p											
Test Site	1												
Tester	ETS364												
Test Number	EF823401												
Max Limit	0.816	V											
Min Limit	0.792	V											
krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased	150 bias	150 unbiased	
LL	0.792	0.792	0.792	0.792	0.792	0.792	0.792	0.792	0.792	0.792	0.792	0.792	
Min	0.808	0.806	0.805	0.808	0.804	0.805	0.805	0.806	0.800	0.802	0.801	0.802	
Average	0.808	0.807	0.808	0.808	0.808	0.807	0.807	0.807	0.806	0.802	0.803	0.804	
Max	0.808	0.809	0.809	0.808	0.811	0.809	0.811	0.807	0.809	0.802	0.804	0.808	
UL	0.816	0.816	0.816	0.816	0.816	0.816	0.816	0.816	0.816	0.816	0.816	0.816	

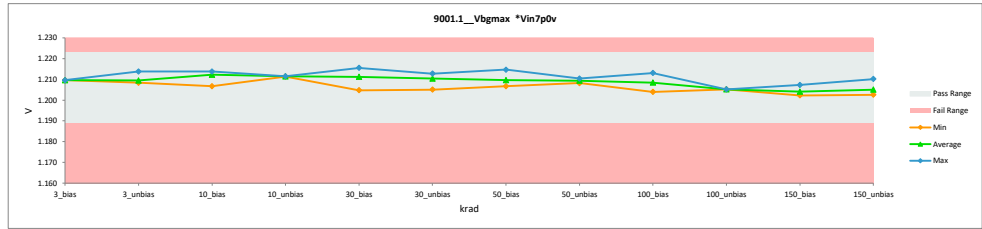


HDR TID Report  
TPS50601A-SP

9001.1_Vbgmax *Vin7p0v				
Test Site	1	1		
Tester	ETS364	ETS364		
Test Number	EF823401	EF823401		
Unit	V	V		
Max Limit	1.223	1.223		
Min Limit	1.189	1.189		
krad	Serial #	Pre Total	Post Total	Delta
3	1	1.216	1.210	0.006
3	2	1.210	1.210	0.000
3	3	1.211	1.210	0.001
3	4	1.217	1.210	0.008
3	5	1.210	1.210	0.001
10	15	1.207	1.207	0.000
10	16	1.213	1.213	0.000
10	17	1.214	1.214	0.000
10	18	1.211	1.214	-0.003
10	20	1.209	1.214	-0.004
30	27	1.212	1.212	0.001
30	28	1.216	1.216	0.000
30	29	1.213	1.213	0.000
30	30	1.205	1.205	0.000
30	32	1.212	1.212	0.001
50	39	1.206	1.213	-0.007
50	40	1.214	1.213	0.002
50	41	1.212	1.211	0.001
50	42	1.207	1.211	-0.004
50	43	1.210	1.205	0.005
100	51	1.212	1.209	0.003
100	52	1.212	1.207	0.004
100	53	1.210	1.207	0.003
100	54	1.214	1.211	0.003
100	55	1.214	1.210	0.003
100	56	1.212	1.209	0.003
100	57	1.210	1.207	0.003
100	58	1.210	1.207	0.003
100	59	1.210	1.207	0.003
100	60	1.214	1.212	0.002
100	61	1.215	1.212	0.003
100	62	1.216	1.213	0.003
100	64	1.210	1.207	0.003
100	66	1.211	1.208	0.004
100	67	1.207	1.204	0.003
100	69	1.215	1.213	0.002
100	71	1.212	1.207	0.004
100	72	1.211	1.207	0.003
100	73	1.214	1.207	0.007
100	74	1.210	1.207	0.003
100	75	1.216	1.207	0.008
100	76	1.210	1.207	0.003
150	84	1.213	1.207	0.006
150	86	1.209	1.203	0.006
150	87	1.210	1.204	0.006
150	88	1.209	1.202	0.007
150	89	1.211	1.204	0.007
5	8	1.213	1.214	0.000
5	10	1.215	1.208	0.007
5	11	1.208	1.208	0.000
5	12	1.211	1.208	0.003
5	14	1.209	1.208	0.001
12	22	1.211	1.211	0.000
12	23	1.209	1.212	-0.003
12	24	1.210	1.212	-0.002
12	25	1.214	1.212	0.002
12	26	1.212	1.212	0.001
32	33	1.211	1.210	0.001
32	34	1.215	1.215	0.000
32	35	1.216	1.208	0.007
32	36	1.209	1.208	0.000
32	37	1.211	1.207	0.005
52	44	1.210	1.208	0.002
52	45	1.211	1.210	0.001
52	46	1.213	1.210	0.002
52	47	1.211	1.209	0.002
52	49	1.211	1.209	0.002
102	78	1.210	1.205	0.005
102	79	1.212	1.205	0.007
102	80	1.208	1.205	0.003
102	81	1.213	1.205	0.008
102	83	1.215	1.205	0.010
152	90	1.214	1.204	0.009
152	91	1.216	1.210	0.006
152	93	1.210	1.203	0.007
152	95	1.209	1.203	0.006
152	96	1.213	1.205	0.008
	Max	1.217	1.216	0.010
	Average	1.212	1.209	0.003
	Min	1.205	1.202	-0.007
	Std Dev	0.003	0.003	0.003

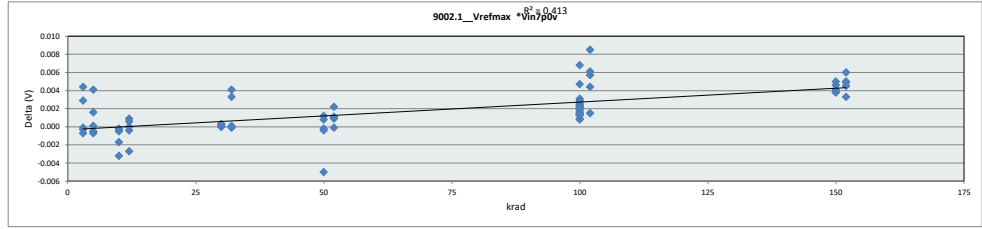


9001.1_Vbgmax *Vin7p0v													
Test Site	1												
Tester	ETS364												
Test Number	EF823401												
Max Limit	1.223	V											
Min Limit	1.189	V											
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias	150 bias	150 unbias	
LL	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	
Min	1.210	1.208	1.207	1.211	1.205	1.205	1.207	1.208	1.204	1.205	1.202	1.203	
Average	1.210	1.209	1.212	1.211	1.211	1.210	1.210	1.209	1.208	1.205	1.204	1.205	
Max	1.210	1.214	1.214	1.212	1.216	1.213	1.215	1.210	1.213	1.205	1.207	1.210	
UL	1.223	1.223	1.223	1.223	1.223	1.223	1.223	1.223	1.223	1.223	1.223	1.223	

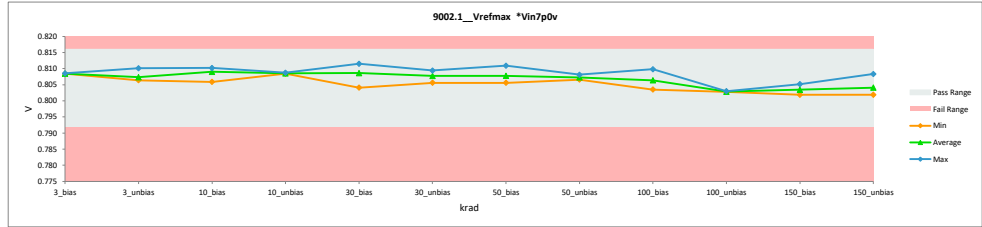


HDR TID Report  
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9002.1_Vrefmax *Vin7p0v				
Test Site	1	1		
Tester	ETS364	ETS364		
Test Number	EF823401	EF823401		
Unit	V	V		
Max Limit	0.816	0.816		
Min Limit	0.792	0.792		
krad	Serial #	Pre Total	Post Total	Delta
3	1	0.811	0.808	0.003
3	2	0.808	0.808	0.000
3	3	0.808	0.808	-0.001
3	4	0.813	0.808	0.004
3	5	0.808	0.808	0.000
10	15	0.806	0.806	0.000
10	16	0.809	0.809	0.000
10	17	0.810	0.810	0.000
10	18	0.808	0.810	-0.002
10	20	0.807	0.810	-0.003
30	27	0.810	0.810	0.000
30	28	0.812	0.812	0.000
30	29	0.809	0.809	0.000
30	30	0.804	0.804	0.000
30	32	0.809	0.808	0.000
30	39	0.804	0.809	-0.005
50	40	0.810	0.809	0.001
50	41	0.807	0.808	0.000
50	42	0.807	0.807	0.000
50	43	0.807	0.806	0.001
100	51	0.809	0.807	0.002
100	52	0.809	0.806	0.003
100	53	0.808	0.806	0.002
100	54	0.811	0.809	0.002
100	55	0.810	0.808	0.002
100	56	0.808	0.807	0.002
100	57	0.807	0.805	0.003
100	58	0.806	0.806	0.001
100	59	0.807	0.806	0.001
100	60	0.810	0.809	0.001
100	61	0.810	0.809	0.001
100	62	0.811	0.810	0.001
100	64	0.808	0.806	0.002
100	66	0.808	0.806	0.002
100	67	0.805	0.803	0.001
100	69	0.811	0.809	0.002
100	71	0.808	0.805	0.002
100	72	0.808	0.805	0.003
100	73	0.810	0.805	0.005
100	74	0.807	0.805	0.002
100	75	0.812	0.805	0.007
100	76	0.807	0.806	0.001
150	84	0.809	0.805	0.004
150	86	0.807	0.803	0.004
150	87	0.808	0.804	0.004
150	88	0.807	0.802	0.005
150	89	0.808	0.803	0.005
5	8	0.810	0.810	-0.001
5	10	0.811	0.807	0.004
5	11	0.807	0.806	0.000
5	12	0.808	0.807	0.002
5	14	0.806	0.807	-0.001
12	22	0.808	0.808	0.000
12	23	0.806	0.809	-0.003
12	24	0.808	0.808	0.000
12	25	0.809	0.808	0.001
12	26	0.809	0.809	0.001
32	33	0.807	0.807	0.000
32	34	0.811	0.811	0.000
32	35	0.812	0.808	0.004
32	36	0.807	0.807	0.000
32	37	0.809	0.806	0.003
52	44	0.808	0.807	0.001
52	45	0.808	0.808	0.000
52	46	0.809	0.808	0.001
52	47	0.808	0.807	0.001
52	49	0.809	0.807	0.002
102	78	0.807	0.803	0.004
102	79	0.808	0.803	0.006
102	80	0.804	0.803	0.002
102	81	0.809	0.803	0.006
102	83	0.811	0.803	0.008
152	90	0.810	0.804	0.006
152	91	0.812	0.808	0.003
152	93	0.807	0.802	0.005
152	95	0.806	0.802	0.004
152	96	0.809	0.804	0.005
Max	0.813	0.812	0.008	
Average	0.808	0.807	0.002	
Min	0.804	0.802	-0.005	
Std Dev	0.002	0.002	-0.002	

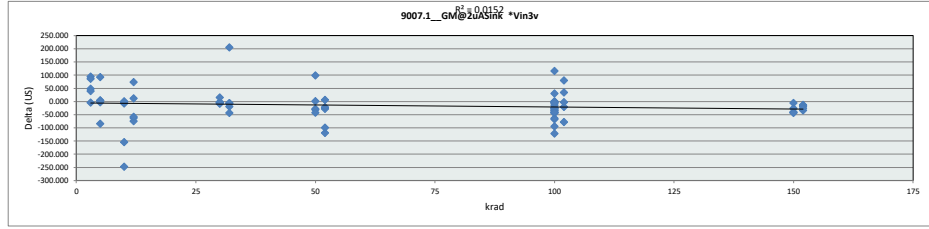


9002.1_Vrefmax *Vin7p0v												
Test Site	1											
Tester	ETS364											
Test Number	EF823401											
Max Limit	0.816											
Min Limit	0.792											
krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased	150 bias	150 unbiased
LL	0.792	0.792	0.792	0.792	0.792	0.792	0.792	0.792	0.792	0.792	0.792	0.792
Min	0.808	0.806	0.806	0.808	0.804	0.806	0.806	0.807	0.804	0.803	0.802	0.802
Average	0.808	0.807	0.809	0.809	0.809	0.808	0.808	0.807	0.806	0.803	0.803	0.804
Max	0.809	0.810	0.810	0.809	0.812	0.809	0.811	0.808	0.810	0.803	0.805	0.808
UL	0.816	0.816	0.816	0.816	0.816	0.816	0.816	0.816	0.816	0.816	0.816	0.816

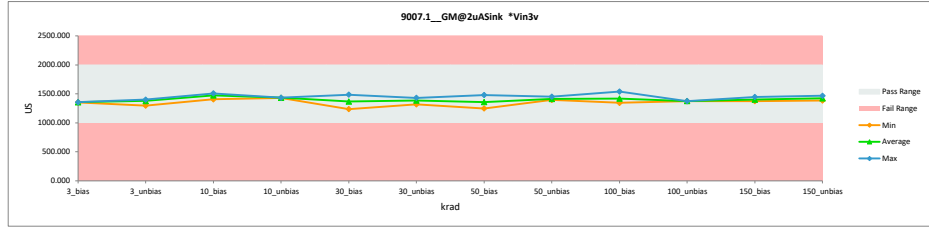


HDR TID Report  
TPS50601A-SP

9007.1_GM@2uASink *Vin3v				
Test Site	1	1		
Tester	ETS364	ETS364		
Test Number	EF823401	EF823401		
Unit	US	US		
Max Limit	2000	2000		
Min Limit	1000	1000		
krad	Serial #	Pre Total	Post Total	Delta
3	1	1401.842	1353.752	48.090
3	2	1351.455	1355.799	-4.345
3	3	1493.264	1354.646	94.618
3	4	1393.845	1354.312	39.533
3	5	1440.877	1354.748	86.128
10	15	1397.069	1404.576	-7.507
10	16	1433.477	1437.591	-4.114
10	17	1505.505	1504.828	0.677
10	18	1353.522	1507.677	-154.155
10	20	1259.123	1506.892	-247.769
30	27	1481.325	1485.674	-4.349
30	28	1405.571	1410.126	-4.555
30	29	1234.509	1236.292	-1.783
30	30	1256.472	1241.160	15.312
30	32	1454.253	1462.719	-8.466
50	39	1362.830	1390.588	-27.758
50	40	1395.461	1394.445	1.016
50	41	1416.023	1371.369	98.654
50	42	1399.149	1429.852	-30.703
50	43	1351.348	1393.858	-42.510
100	51	1393.812	1393.044	0.767
100	52	1410.600	1412.520	-1.920
100	53	1406.727	1412.520	-5.794
100	54	1466.143	1495.282	-29.139
100	55	1321.684	1389.038	-67.354
100	56	1469.650	1533.662	-64.012
100	57	1405.668	1430.313	-24.645
100	58	1338.580	1365.636	-27.046
100	59	1434.256	1478.703	-44.447
100	60	1424.113	1426.299	-2.186
100	61	1303.517	1343.624	-40.107
100	62	1429.863	1443.954	-14.091
100	64	1414.345	1437.004	-22.659
100	66	1504.566	1538.029	-33.463
100	67	1370.768	1405.533	-34.765
100	69	1422.062	1463.853	-41.791
100	71	1274.256	1368.735	-94.479
100	72	1245.731	1367.365	-121.634
100	73	1324.155	1365.630	-41.475
100	74	1360.578	1365.963	-5.385
100	75	1397.699	1367.365	30.334
100	76	1481.484	1365.626	115.857
150	84	1339.924	1380.170	-40.246
150	86	1357.100	1397.952	-40.852
150	87	1439.897	1445.604	-5.707
150	88	1347.818	1373.628	-25.810
150	89	1357.096	1400.780	-43.684
5	8	1295.296	1295.512	3.784
5	10	1492.934	1400.428	92.505
5	11	1396.196	1399.523	-3.327
5	12	1399.435	1395.109	4.326
5	14	1307.438	1391.921	-84.483
12	22	1444.495	1432.823	11.671
12	23	1369.729	1432.098	-62.369
12	24	1358.288	1432.664	-74.376
12	25	1374.100	1431.969	-57.869
12	26	1502.221	1428.417	73.803
32	33	1387.321	1406.542	-19.220
32	34	1474.031	1480.386	-6.354
32	35	1452.742	1247.577	205.165
32	36	1243.346	1249.665	-6.319
32	37	1363.229	1406.692	-43.463
52	44	1457.939	1451.861	6.078
52	45	1369.379	1397.450	-28.070
52	46	1277.435	1396.603	-119.168
52	47	1381.874	1403.309	-21.434
52	49	1304.813	1404.095	-99.282
102	78	1408.903	1374.670	34.233
102	79	1455.766	1375.933	79.833
102	80	1351.860	1372.772	-20.912
102	81	1372.314	1375.179	-2.865
102	83	1298.001	1376.153	-78.152
152	90	1371.056	1384.124	-13.068
152	91	1432.402	1466.339	-33.937
152	93	1386.975	1402.594	-15.620
152	95	1424.240	1442.453	-18.213
152	96	1384.835	1410.150	-25.315
Max		1505.505	1538.029	205.165
Average		1386.073	1401.685	-15.612
Min		1234.509	1236.292	-247.769
Std Dev		65.099	59.988	61.320



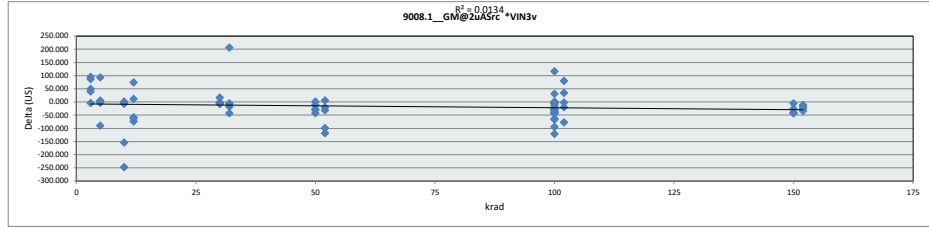
9007.1_GM@2uASink *Vin3v													
Test Site	1												
Tester	ETS364												
Test Number	EF823401												
Max Limit	2000												
Min Limit	1000												
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias	150 bias	150 unbias	
LL	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000	
Min	1353.752	1295.512	1404.576	1428.417	1236.292	1317.369	1247.577	1396.603	1343.624	1372.773	1373.628	1384.124	
Average	1354.652	1376.499	1472.313	1431.594	1367.194	1385.223	1358.172	1410.663	1416.804	1374.941	1399.627	1421.132	
Max	1355.799	1400.428	1507.677	1432.823	1485.674	1429.852	1480.386	1451.861	1538.029	1376.153	1445.604	1466.339	
UL	2000.000	2000.000	2000.000	2000.000	2000.000	2000.000	2000.000	2000.000	2000.000	2000.000	2000.000	2000.000	



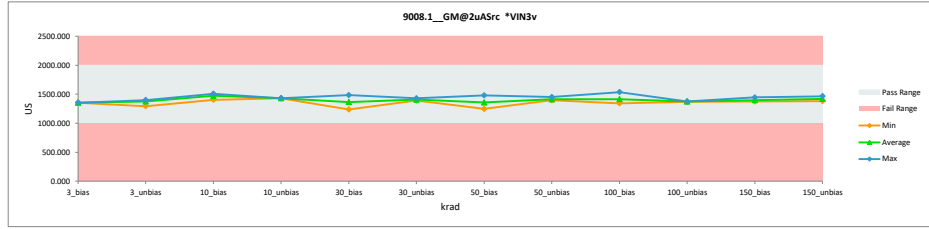


HDR TID Report  
TPS50601A-SP

9008.1_GM@2uASrc *VIN3v				
Test Site	1	1		
Tester	ETS364	ETS364		
Test Number	EF823401	EF823401		
Unit	US	US		
Max Limit	2000	2000		
Min Limit	1000	1000		
krad	Serial #	Pre Total	Post Total	Delta
3	1	1402.051	1352.864	49.188
3	2	1351.505	1355.720	-4.215
3	3	1493.068	1354.290	94.778
3	4	1393.844	1354.398	39.446
3	5	1441.105	1354.761	86.344
10	15	1397.235	1404.318	-7.083
10	16	1433.326	1438.024	-4.698
10	17	1505.293	1504.315	0.977
10	18	1353.475	1508.026	-154.551
10	20	1259.700	1507.208	-247.508
30	27	1481.391	1485.473	-4.082
30	28	1405.395	1409.976	-4.582
30	29	1234.615	1236.570	-1.955
30	30	1256.621	1240.773	15.849
30	32	1454.298	1462.412	-8.114
50	39	1363.251	1390.585	-27.335
50	40	1395.404	1394.302	1.103
50	41	1416.101	1427.771	-11.670
50	42	1398.721	1429.623	-30.902
50	43	1351.282	1394.268	-42.986
100	51	1393.656	1392.929	0.727
100	52	1410.471	1412.350	-1.880
100	53	1406.922	1412.350	-5.428
100	54	1466.416	1496.585	-30.169
100	55	1321.531	1388.769	-67.239
100	56	1469.890	1533.437	-63.547
100	57	1405.377	1430.408	-25.031
100	58	1338.636	1365.585	-26.949
100	59	1434.359	1478.708	-44.349
100	60	1423.910	1426.161	-2.251
100	61	1303.704	1343.789	-40.084
100	62	1430.192	1443.528	-13.335
100	64	1414.357	1437.256	-22.899
100	66	1504.552	1538.032	-33.480
100	67	1370.600	1405.413	-34.813
100	69	1422.145	1464.210	-42.066
100	71	1274.297	1368.787	-94.490
100	72	1245.687	1367.166	-121.479
100	73	1324.515	1365.610	-41.095
100	74	1360.488	1365.696	-5.208
100	75	1397.739	1367.166	30.573
100	76	1481.505	1365.585	115.919
150	84	1339.942	1380.537	-40.595
150	86	1357.052	1398.066	-41.014
150	87	1439.944	1445.681	-5.737
150	88	1348.019	1373.865	-25.846
150	89	1357.266	1400.984	-43.718
5	8	1299.189	1295.429	3.760
5	10	1493.010	1400.125	92.885
5	11	1396.268	1399.580	-3.312
5	12	1399.280	1394.993	4.286
5	14	1306.844	1397.237	-90.393
12	22	1444.433	1433.159	11.274
12	23	1369.562	1432.353	-62.791
12	24	1358.100	1432.262	-74.162
12	25	1373.665	1432.284	-58.619
12	26	1502.194	1428.218	73.976
32	33	1387.365	1405.889	-18.524
32	34	1474.113	1480.507	-6.394
32	35	1452.902	1246.970	205.932
32	36	1243.137	1249.667	-6.530
32	37	1363.403	1406.829	-43.426
52	44	1457.846	1452.377	5.469
52	45	1369.489	1401.788	-32.299
52	46	1277.599	1396.525	-118.926
52	47	1381.813	1402.766	-20.953
52	49	1304.803	1404.365	-99.562
102	78	1408.499	1374.565	33.934
102	79	1455.647	1375.886	79.761
102	80	1352.006	1372.611	-20.606
102	81	1371.991	1374.470	-2.479
102	83	1298.129	1376.059	-77.930
152	90	1371.423	1383.819	-12.391
152	91	1432.413	1466.208	-33.795
152	93	1386.986	1402.689	-15.703
152	95	1424.354	1442.484	-18.130
152	96	1384.775	1410.035	-25.260
Max		1505.293	1538.032	205.932
Average		1386.079	1403.201	-17.122
Min		1234.615	1236.570	-247.508
Std Dev		65.086	59.326	60.067

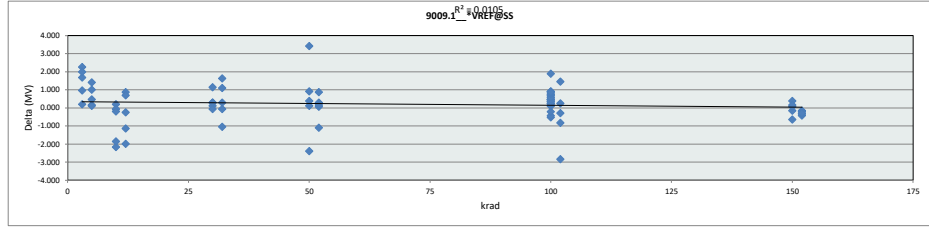


9008.1_GM@2uASrc *VIN3v													
Test Site	1												
Tester	ETS364												
Test Number	EF823401												
Max Limit	2000												
Min Limit	1000												
krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased	150 bias	150 unbiased	
LL	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000	
Min	1352.864	1295.429	1404.318	1428.218	1236.570	1390.585	1246.970	1396.525	1343.789	1372.612	1373.865	1383.820	
Average	1354.406	1377.473	1472.378	1431.655	1367.041	1407.310	1357.972	1411.564	1416.797	1374.718	1399.826	1421.047	
Max	1355.720	1400.125	1508.026	1433.159	1485.473	1429.623	1480.507	1452.377	1538.032	1376.059	1445.681	1466.208	
UL	2000.000	2000.000	2000.000	2000.000	2000.000	2000.000	2000.000	2000.000	2000.000	2000.000	2000.000	2000.000	

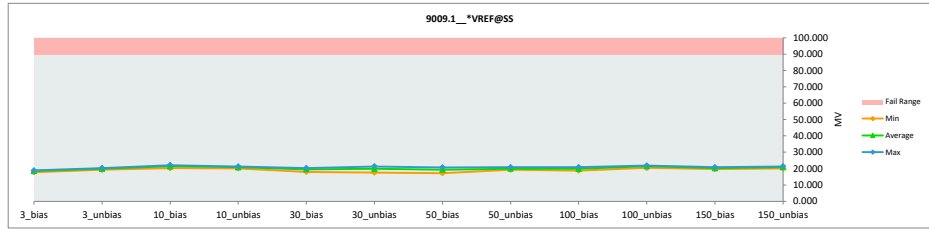


HDR TID Report  
TPS50601A-SP

		9009.1_*VREF@SS		
Test Site	1			1
Tester	ETS364			ETS364
Test Number	EF823401			EF823401
Unit	MV			MV
Max Limit	90			
Min Limit				
krad	Serial #	Pre Total	Post Total	Delta
3	1	20.277	18.607	1.669
3	2	18.849	18.652	0.197
3	3	20.857	18.607	2.250
3	4	19.831	18.875	0.955
3	5	19.831	17.849	1.982
10	15	20.455	20.259	0.197
10	16	20.678	20.750	-0.071
10	17	21.526	21.731	-0.205
10	18	19.965	22.133	-2.168
10	20	20.232	22.088	-1.856
30	27	20.098	19.991	0.108
30	28	19.652	19.723	-0.071
30	29	19.117	17.983	1.134
30	30	20.277	19.991	0.286
30	32	20.589	20.303	0.286
50	39	20.455	19.545	0.911
50	40	20.143	19.768	0.375
50	41	21.169	21.062	0.108
50	42	18.938	21.330	-2.391
50	43	21.035	17.626	3.410
100	51	20.054	19.599	0.455
100	52	20.322	20.848	-0.526
100	53	19.697	18.796	0.901
100	54	20.322	19.867	0.455
100	55	19.741	19.510	0.232
100	56	19.831	19.688	0.142
100	57	20.366	19.777	0.589
100	58	20.098	19.198	0.901
100	59	20.678	20.357	0.321
100	60	20.322	19.644	0.678
100	61	20.322	19.599	0.722
100	62	21.080	20.714	0.366
100	64	20.411	19.956	0.455
100	66	21.035	20.670	0.366
100	67	20.500	19.956	0.544
100	69	20.768	20.000	0.767
100	71	20.098	19.867	0.232
100	72	19.697	20.134	-0.438
100	73	20.946	20.090	0.857
100	74	20.188	20.090	0.098
100	75	19.920	20.134	-0.214
100	76	21.080	19.198	1.883
150	84	20.143	20.792	-0.649
150	86	20.009	20.167	-0.158
150	87	21.035	20.658	0.378
150	88	20.009	19.944	0.065
150	89	19.920	19.766	0.154
5	8	20.589	19.589	1.000
5	10	20.366	20.214	0.152
5	11	20.411	20.303	0.108
5	12	20.678	19.277	1.402
5	14	20.634	20.169	0.465
12	22	21.035	20.169	0.866
12	23	20.857	20.169	0.688
12	24	19.295	21.285	-1.990
12	25	20.143	21.285	-1.142
12	26	20.812	21.062	-0.249
32	33	20.991	20.705	0.286
32	34	20.500	20.571	-0.071
32	35	19.741	18.117	1.625
32	36	18.269	17.179	1.089
32	37	19.250	20.303	-1.053
52	44	19.608	19.321	0.286
52	45	20.366	19.500	0.866
52	46	20.500	20.437	0.063
52	47	20.991	20.839	0.152
52	49	18.804	19.902	-1.097
102	78	21.883	20.437	1.446
102	79	21.839	21.597	0.241
102	80	21.482	21.776	-0.294
102	81	20.768	21.597	-0.830
102	83	19.027	21.865	-2.838
152	90	20.232	20.390	-0.158
152	91	20.768	21.193	-0.425
152	93	20.902	21.238	-0.336
152	95	21.125	21.327	-0.202
152	96	19.831	20.122	-0.292
	Max	21.883	22.133	3.410
	Average	20.315	20.102	0.213
	Min	18.269	17.179	-2.838
	Std Dev	0.690	1.021	0.999

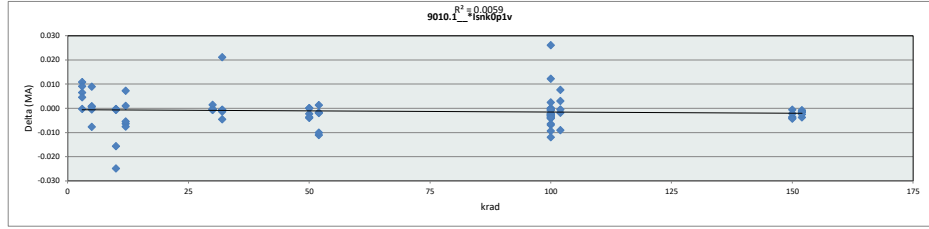


		9009.1_*VREF@SS											
Test Site	1												
Tester	ETS364												
Test Number	EF823401												
Max Limit	90	MV											
Min Limit		MV											
	krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased	150 bias	150 unbiased
LL													
Min		17.849	19.277	20.259	20.169	17.983	17.626	17.179	19.321	18.796	20.437	19.766	20.123
Average		18.518	19.911	21.392	20.794	19.598	19.866	19.375	20.000	19.895	21.455	20.265	20.854
Max		18.875	20.303	22.133	21.285	20.303	21.330	20.705	20.839	20.848	21.865	20.792	21.327
UL		90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000

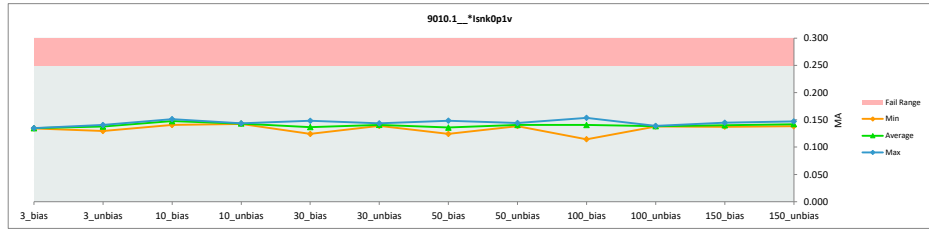


HDR TID Report  
TPS50601A-SP

9010.1_*IsnkOp1v				
Test Site	1	1		
Tester	ETS364	ETS364		
Test Number	EF823401	EF823401		
Unit	MA	MA		
Max Limit	0.25	0.25		
Min Limit				
3	1	0.141	0.134	0.007
3	2	0.135	0.135	0.000
3	3	0.146	0.135	0.011
3	4	0.139	0.135	0.005
3	5	0.144	0.135	0.009
10	15	0.140	0.140	-0.001
10	16	0.144	0.144	0.000
10	17	0.151	0.151	0.000
10	18	0.136	0.151	-0.016
10	20	0.126	0.151	-0.025
30	27	0.148	0.148	0.000
30	28	0.141	0.141	-0.001
30	29	0.124	0.124	0.000
30	30	0.126	0.124	0.001
30	32	0.145	0.146	-0.001
50	39	0.137	0.139	-0.002
50	40	0.140	0.140	0.000
50	41	0.142	0.142	0.000
50	42	0.140	0.144	-0.004
50	43	0.136	0.139	-0.004
100	51	0.140	0.140	0.000
100	52	0.141	0.115	0.026
100	53	0.141	0.141	0.000
100	54	0.147	0.150	-0.003
100	55	0.132	0.139	-0.007
100	56	0.147	0.153	-0.007
100	57	0.141	0.143	-0.002
100	58	0.134	0.136	-0.002
100	59	0.144	0.147	-0.003
100	60	0.143	0.143	0.000
100	61	0.131	0.135	-0.004
100	62	0.143	0.144	-0.001
100	64	0.142	0.144	-0.002
100	66	0.151	0.154	-0.003
100	67	0.138	0.141	-0.003
100	69	0.143	0.147	-0.004
100	71	0.128	0.138	-0.009
100	72	0.125	0.137	-0.012
100	73	0.133	0.137	-0.004
100	74	0.137	0.137	-0.001
100	75	0.139	0.137	0.002
100	76	0.148	0.136	0.012
150	84	0.134	0.138	-0.004
150	86	0.136	0.140	-0.004
150	87	0.144	0.145	-0.001
150	88	0.135	0.137	-0.002
150	89	0.136	0.140	-0.004
5	8	0.130	0.130	0.001
5	10	0.149	0.141	0.009
5	11	0.140	0.141	0.000
5	12	0.140	0.140	0.001
5	14	0.131	0.139	-0.008
12	22	0.145	0.144	0.001
12	23	0.137	0.144	-0.006
12	24	0.136	0.143	-0.008
12	25	0.138	0.143	-0.006
12	26	0.150	0.143	0.007
32	33	0.140	0.141	-0.001
32	34	0.148	0.149	-0.001
32	35	0.145	0.124	0.021
32	36	0.124	0.125	-0.001
32	37	0.137	0.141	-0.005
52	44	0.146	0.144	0.001
52	45	0.137	0.139	-0.002
52	46	0.128	0.139	-0.011
52	47	0.138	0.140	-0.002
52	49	0.130	0.140	-0.010
102	78	0.141	0.138	0.003
102	79	0.146	0.139	0.008
102	80	0.136	0.138	-0.002
102	81	0.138	0.138	-0.001
102	83	0.130	0.139	-0.009
152	90	0.137	0.138	-0.001
152	91	0.143	0.147	-0.004
152	93	0.139	0.141	-0.001
152	95	0.142	0.144	-0.002
152	96	0.139	0.141	-0.002
	Max	0.151	0.154	0.026
	Average	0.139	0.140	-0.001
	Min	0.124	0.115	-0.025
	Std Dev	0.006	0.007	0.007

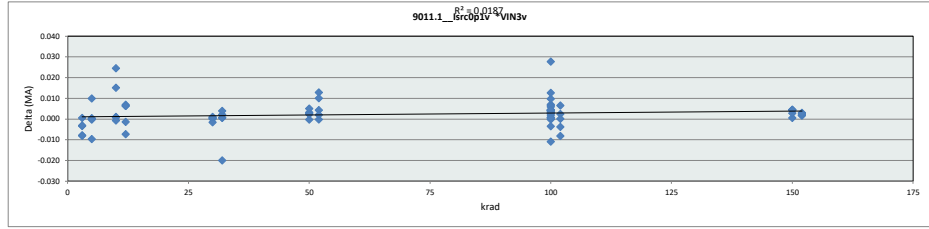


9010.1_*IsnkOp1v													
Test Site	1												
Tester	ETS364												
Test Number	EF823401												
Max Limit	0.25	MA											
Min Limit	MA												
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias	150 bias	150 unbias	
LL													
Min	0.134	0.130	0.141	0.143	0.124	0.139	0.124	0.139	0.115	0.138	0.137	0.138	
Average	0.135	0.138	0.148	0.143	0.137	0.141	0.136	0.141	0.141	0.138	0.140	0.142	
Max	0.135	0.141	0.151	0.144	0.148	0.144	0.149	0.144	0.154	0.139	0.145	0.147	
UL	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	

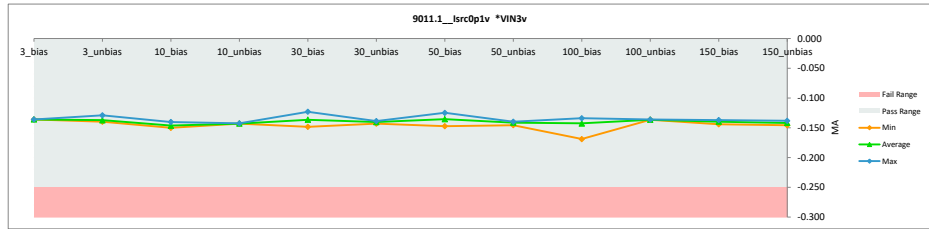


HDR TID Report  
TP550601A-SP

9011.1_IsrcOp1v *VIN3v				
Test Site	1	1		
Tester	ETS364	ETS364		
Test Number	EF823401	EF823401		
Unit	MA	MA		
Max Limit				
Min Limit	-0.25	-0.25		
krad	Serial #	Pre Total	Post Total	Delta
3	1	-0.139	-0.136	-0.003
3	2	-0.136	-0.136	0.000
3	3	-0.144	-0.136	-0.008
3	4	-0.139	-0.136	-0.003
3	5	-0.144	-0.136	-0.008
10	15	-0.139	-0.140	0.001
10	16	-0.143	-0.143	0.001
10	17	-0.150	-0.149	-0.001
10	18	-0.135	-0.150	0.015
10	20	-0.126	-0.150	0.024
30	27	-0.148	-0.149	0.001
30	28	-0.140	-0.141	0.000
30	29	-0.123	-0.123	0.000
30	30	-0.125	-0.124	-0.002
30	32	-0.145	-0.146	0.001
50	39	-0.136	-0.139	0.003
50	40	-0.139	-0.139	0.000
50	41	-0.141	-0.143	0.002
50	42	-0.140	-0.142	0.002
50	43	-0.134	-0.139	0.005
100	51	-0.139	-0.139	0.000
100	52	-0.141	-0.169	0.028
100	53	-0.140	-0.141	0.001
100	54	-0.146	-0.150	0.003
100	55	-0.132	-0.139	0.007
100	56	-0.147	-0.153	0.007
100	57	-0.140	-0.143	0.003
100	58	-0.133	-0.137	0.003
100	59	-0.143	-0.149	0.006
100	60	-0.142	-0.142	0.000
100	61	-0.130	-0.134	0.004
100	62	-0.143	-0.145	0.002
100	64	-0.141	-0.144	0.003
100	66	-0.150	-0.154	0.004
100	67	-0.136	-0.140	0.004
100	69	-0.141	-0.146	0.005
100	71	-0.127	-0.136	0.010
100	72	-0.124	-0.137	0.013
100	73	-0.132	-0.136	0.004
100	74	-0.135	-0.136	0.001
100	75	-0.140	-0.137	-0.003
100	76	-0.148	-0.137	-0.011
150	84	-0.133	-0.138	0.004
150	86	-0.135	-0.140	0.004
150	87	-0.144	-0.144	0.000
150	88	-0.134	-0.137	0.003
150	89	-0.135	-0.140	0.005
5	8	-0.130	-0.129	0.000
5	10	-0.149	-0.139	-0.010
5	11	-0.139	-0.139	0.000
5	12	-0.139	-0.140	0.000
5	14	-0.130	-0.140	0.010
12	22	-0.144	-0.143	-0.001
12	23	-0.137	-0.143	0.006
12	24	-0.136	-0.143	0.007
12	25	-0.137	-0.143	0.006
12	26	-0.150	-0.143	-0.007
32	33	-0.138	-0.140	0.002
32	34	-0.147	-0.147	0.001
32	35	-0.145	-0.125	-0.020
32	36	-0.124	-0.125	0.001
32	37	-0.136	-0.140	0.004
52	44	-0.146	-0.146	0.000
52	45	-0.137	-0.141	0.004
52	46	-0.127	-0.140	0.013
52	47	-0.138	-0.140	0.002
52	49	-0.130	-0.140	0.010
102	78	-0.140	-0.137	-0.004
102	79	-0.145	-0.136	-0.008
102	80	-0.134	-0.137	0.002
102	81	-0.136	-0.137	0.000
102	83	-0.130	-0.136	0.007
152	90	-0.137	-0.139	0.002
152	91	-0.143	-0.146	0.003
152	93	-0.138	-0.140	0.002
152	95	-0.142	-0.144	0.002
152	96	-0.138	-0.141	0.003
	Max	-0.123	-0.123	0.028
	Average	-0.138	-0.141	0.002
	Min	-0.150	-0.169	-0.020
	Std Dev	0.007	0.007	0.007

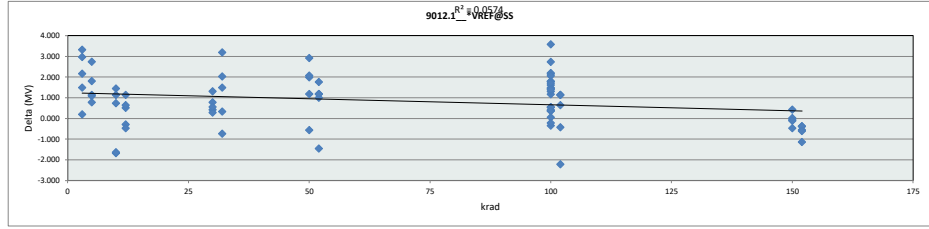


9011.1_IsrcOp1v *VIN3v													
Test Site	1												
Tester	ETS364												
Test Number	EF823401												
Max Limit	MA												
Min Limit	-0.25	MA											
krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased	150 bias	150 unbiased	
LL	-0.250	-0.250	-0.250	-0.250	-0.250	-0.250	-0.250	-0.250	-0.250	-0.250	-0.250	-0.250	
Min	-0.136	-0.140	-0.150	-0.143	-0.149	-0.147	-0.146	-0.146	-0.169	-0.137	-0.144	-0.146	
Average	-0.136	-0.137	-0.147	-0.143	-0.136	-0.141	-0.136	-0.141	-0.143	-0.136	-0.140	-0.142	
Max	-0.136	-0.129	-0.140	-0.143	-0.123	-0.139	-0.125	-0.140	-0.134	-0.136	-0.137	-0.139	
UL													

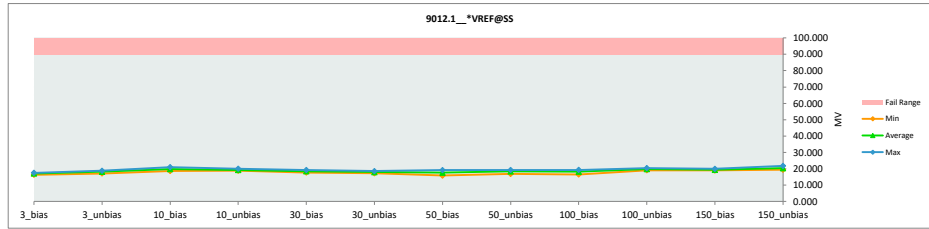


HDR TID Report  
TPS50601A-SP

		9012.1_*VREF@SS		
Test Site	1			1
Tester	ETS364			ETS364
Test Number	EF823401			EF823401
Unit	MV			MV
Max Limit	90			
Min Limit				
krad	Serial #	Pre Total	Post Total	Delta
3	1	19.652	16.331	3.321
3	2	17.733	17.536	0.197
3	3	20.143	17.179	2.964
3	4	18.804	17.313	1.491
3	5	19.295	17.135	2.160
10	15	19.474	18.741	0.732
10	16	20.054	18.607	1.446
10	17	20.857	19.723	1.134
10	18	19.295	20.973	-1.678
10	20	19.340	20.973	-1.633
30	27	19.117	18.340	0.777
30	28	18.983	17.670	1.313
30	29	18.313	17.893	0.420
30	30	19.474	19.188	0.286
30	32	19.831	19.277	0.554
50	39	19.474	17.492	1.982
50	40	19.161	17.983	1.179
50	41	20.500	18.429	2.071
50	42	18.001	18.563	-0.562
50	43	20.143	17.224	2.919
100	51	19.206	18.796	0.410
100	52	19.250	18.521	2.730
100	53	18.670	18.878	-1.793
100	54	19.741	18.573	1.168
100	55	18.626	18.261	0.365
100	56	18.938	18.395	0.544
100	57	19.652	18.171	1.481
100	58	19.206	17.056	2.150
100	59	19.831	17.636	2.194
100	60	19.384	18.082	1.302
100	61	19.518	17.904	1.615
100	62	20.366	18.930	1.436
100	64	19.608	17.815	1.793
100	66	20.545	18.841	1.704
100	67	19.831	17.770	2.061
100	69	19.652	18.261	1.391
100	71	18.760	19.108	-0.349
100	72	19.161	19.108	0.053
100	73	19.831	19.287	0.544
100	74	19.652	19.287	0.366
100	75	18.893	19.108	-0.215
100	76	20.634	17.056	3.578
150	84	19.206	19.676	-0.470
150	86	19.072	19.141	-0.069
150	87	20.366	19.944	0.422
150	88	19.072	19.052	0.020
150	89	18.849	18.962	-0.114
5	8	19.875	18.741	1.134
5	10	19.518	18.429	1.089
5	11	19.384	18.607	0.777
5	12	19.831	17.090	2.740
5	14	19.741	17.938	1.803
12	22	20.500	19.991	0.509
12	23	19.875	19.232	0.643
12	24	18.447	18.741	-0.294
12	25	19.117	19.589	-0.472
12	26	19.965	18.831	1.134
32	33	20.009	17.983	2.026
32	34	19.741	18.250	1.491
32	35	18.983	15.796	3.187
32	36	17.153	16.822	0.331
32	37	18.403	19.143	-0.740
52	44	18.581	16.822	1.759
52	45	19.474	18.295	1.179
52	46	19.518	18.518	1.000
52	47	20.054	18.875	1.179
52	49	17.823	19.277	-1.454
102	78	20.188	19.054	1.134
102	79	20.812	20.169	0.643
102	80	20.366	19.232	1.134
102	81	19.786	20.214	-0.428
102	83	18.180	20.392	-2.213
152	90	19.117	19.676	-0.560
152	91	20.098	20.479	-0.381
152	93	20.009	20.390	-0.381
152	95	20.589	21.729	-1.139
152	96	18.760	19.364	-0.604
	Max	20.857	21.729	3.578
	Average	19.442	18.596	0.847
	Min	17.153	15.796	-2.213
	Std Dev	0.739	1.149	1.212

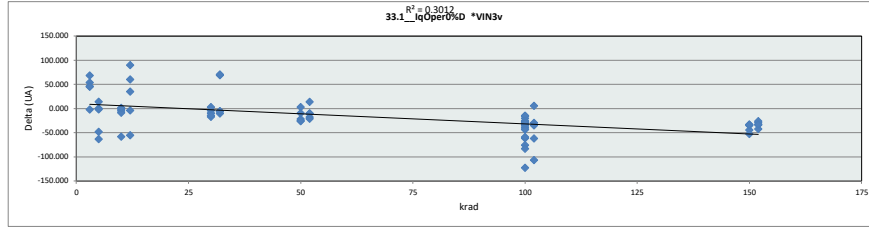


		9012.1_*VREF@SS											
Test Site	1												
Tester	ETS364												
Test Number	EF823401												
Max Limit	90	MV											
Min Limit		MV											
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias	150 bias	150 unbias	
LL	16.332	17.090	18.607	18.741	17.670	17.224	15.796	16.822	16.521	19.054	18.963	19.364	
Min	17.099	18.161	19.803	19.277	18.474	17.938	17.599	18.358	18.220	19.812	19.355	20.328	
Average	17.536	18.741	20.973	19.991	19.277	18.563	19.143	19.277	19.287	20.393	19.944	21.729	
Max	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	
UL													

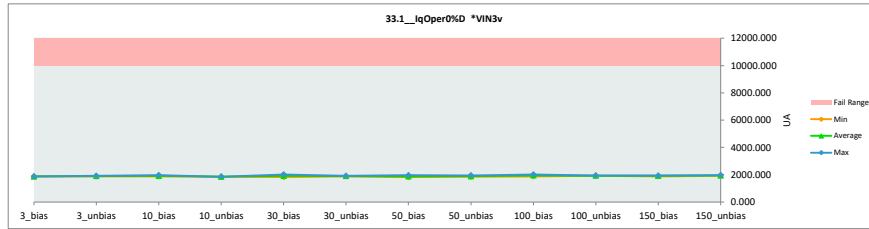


HDR TID Report  
TPS50601A-SP

33.1_IqOper0%D *VIN3v				
Test Site	1	1		
Tester	ETS364	ETS364		
Test Number	EF823401	EF823401		
Unit	UA	UA		
Max Limit	10000	10000		
Min Limit				
krad	Serial #	Pre Total	Post Total	Delta
3	1	1920.001	1866.383	53.618
3	2	1862.894	1865.992	-2.198
3	3	1910.057	1864.101	45.956
3	4	1933.387	1865.289	68.098
3	5	1910.565	1865.607	44.958
10	15	1871.916	1873.098	-1.182
10	16	1959.934	1964.970	-5.036
10	17	1899.099	1908.120	-9.021
10	18	1909.676	1908.547	1.129
10	20	1850.129	1908.488	-58.360
30	27	2001.610	2018.890	-17.280
30	28	1939.706	1944.209	-4.503
30	29	1814.086	1823.807	-9.721
30	30	1835.081	1832.448	2.633
30	32	1946.650	1955.210	-14.560
50	39	1860.594	1880.590	-21.996
50	40	1884.722	1882.075	2.646
50	41	1884.753	1910.119	-25.365
50	42	1901.400	1911.107	-9.707
50	43	1887.961	1914.339	-26.379
100	51	1948.494	1982.275	-33.781
100	52	1890.483	1910.937	-20.454
100	53	1917.791	1933.846	-16.055
100	54	1980.144	2018.812	-38.668
100	55	1909.639	1942.507	-32.868
100	56	1903.339	1946.221	-42.882
100	57	1957.998	1984.774	-26.776
100	58	1921.825	1953.829	-32.005
100	59	1877.726	1939.242	-61.516
100	60	1908.990	1938.420	-29.429
100	61	1890.748	1920.333	-29.586
100	62	1860.341	1876.026	-15.685
100	64	1954.872	1969.813	-14.941
100	66	1908.121	1933.924	-25.803
100	67	1921.700	1955.655	-33.955
100	69	1925.815	1955.487	-29.672
100	71	1869.649	1945.483	-75.833
100	72	1863.437	1946.632	-83.196
100	73	1903.716	1947.296	-43.580
100	74	1918.043	1948.486	-30.443
100	75	1887.322	1946.632	-59.311
100	76	1831.041	1953.829	-122.788
150	84	1867.299	1920.245	-52.946
150	86	1877.499	1910.642	-33.143
150	87	1832.790	1877.544	-44.754
150	88	1900.059	1935.228	-35.168
150	89	1879.728	1913.448	-33.720
5	8	1881.436	1881.237	0.199
5	10	1926.619	1912.640	13.979
5	11	1911.369	1913.420	-2.051
5	12	1851.114	1914.626	-63.512
5	14	1824.959	1873.228	-48.269
12	22	1847.307	1851.404	-4.097
12	23	1797.427	1852.819	-55.393
12	24	1889.354	1854.684	34.671
12	25	1913.358	1853.343	60.015
12	26	1942.973	1853.446	89.527
32	33	1898.045	1908.448	-10.402
32	34	1956.876	1963.396	-6.520
32	35	1888.057	1819.386	68.671
32	36	1814.054	1819.489	-5.435
32	37	1943.010	1872.820	70.190
52	44	1932.149	1950.148	-17.998
52	45	1830.520	1841.335	-10.815
52	46	1855.506	1842.005	13.500
52	47	1883.088	1893.382	-10.293
52	49	1871.891	1893.238	-21.348
102	78	1933.471	1928.130	5.341
102	79	1867.483	1929.549	-62.066
102	80	1899.183	1928.872	-29.689
102	81	1820.959	1927.750	-106.791
102	83	1894.133	1929.121	-34.988
152	90	1916.104	1945.632	-29.528
152	91	1872.137	1906.093	-33.956
152	93	1910.951	1937.429	-26.478
152	95	1897.198	1939.764	-42.567
152	96	1934.852	1968.004	-33.152
Max		2001.610	2018.890	89.527
Average		1894.707	1912.687	-17.980
Min		1797.427	1819.386	-122.788
Std Dev		40.690	44.685	37.761

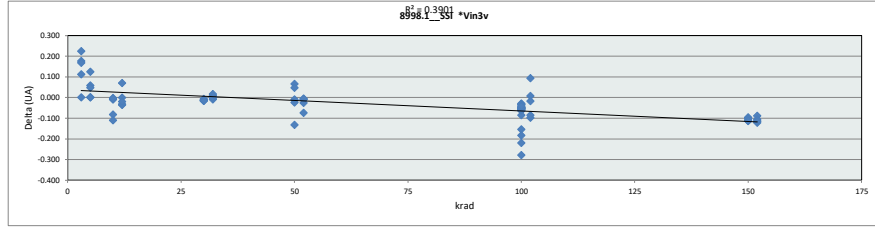


33.1_IqOper0%D *VIN3v										
Test Site	1									
Tester	ETS364									
Test Number	EF823401									
Max Limit	10000									
Min Limit	UA									
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias
LL										
Min	1864.101	1873.228	1873.098	1851.404	1823.807	1882.075	1819.386	1841.335	1876.026	1927.750
Average	1865.294	1899.030	1912.645	1853.139	1914.913	1900.046	1876.708	1884.022	1947.748	1928.684
Max	1866.383	1914.626	1964.970	1854.684	2018.890	1914.339	1963.396	1950.148	2018.812	1929.549
UL	10000.000	10000.000	10000.000	10000.000	10000.000	10000.000	10000.000	10000.000	10000.000	10000.000

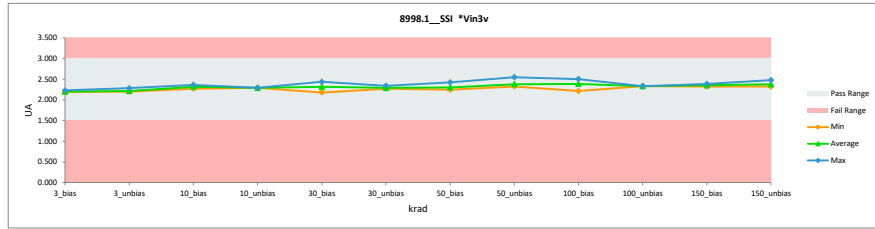


HDR TID Report  
TPS50601A-SP

		8998.1_SSI *Vin3v		
Test Site	1	1		
Tester	ETS364	ETS364		
Test Number	EF823401	EF823401		
Unit	UA	UA		
Max Limit	3	3		
Min Limit	1.5	1.5		
krad	Serial #	Pre Total	Post Total	Delta
3	1	2.337	2.226	0.112
3	2	2.190	2.190	0.000
3	3	2.366	2.191	0.176
3	4	2.358	2.191	0.167
3	5	2.415	2.191	0.224
10	15	2.269	2.271	-0.003
10	16	2.352	2.362	-0.010
10	17	2.305	2.311	-0.007
10	18	2.228	2.311	-0.083
10	20	2.200	2.310	-0.110
30	27	2.378	2.395	-0.017
30	28	2.326	2.340	-0.015
30	29	2.171	2.178	-0.007
30	30	2.218	2.229	-0.011
30	32	2.419	2.434	-0.015
30	39	2.334	2.268	0.066
50	40	2.259	2.268	-0.009
50	41	2.261	2.285	-0.024
50	42	2.330	2.283	0.047
50	43	2.208	2.341	-0.132
100	51	2.383	2.448	-0.065
100	52	2.317	2.403	-0.086
100	53	2.295	2.345	-0.050
100	54	2.337	2.393	-0.056
100	55	2.179	2.212	-0.033
100	56	2.346	2.404	-0.057
100	57	2.450	2.501	-0.051
100	58	2.279	2.332	-0.053
100	59	2.301	2.362	-0.061
100	60	2.334	2.363	-0.029
100	61	2.214	2.248	-0.034
100	62	2.281	2.330	-0.049
100	64	2.268	2.318	-0.050
100	66	2.392	2.433	-0.041
100	67	2.348	2.399	-0.051
100	69	2.383	2.444	-0.061
100	71	2.289	2.444	-0.154
100	72	2.224	2.444	-0.220
100	73	2.165	2.444	-0.279
100	74	2.291	2.444	-0.053
100	75	2.261	2.444	-0.183
100	76	2.289	2.332	-0.043
150	84	2.214	2.329	-0.114
150	86	2.253	2.350	-0.096
150	87	2.220	2.324	-0.103
150	88	2.281	2.384	-0.103
150	89	2.254	2.367	-0.113
5	8	2.280	2.280	0.001
5	10	2.322	2.197	0.124
5	11	2.198	2.198	0.000
5	12	2.257	2.200	0.058
5	14	2.244	2.197	0.047
12	22	2.287	2.287	-0.001
12	23	2.252	2.288	-0.036
12	24	2.258	2.291	-0.032
12	25	2.269	2.289	-0.020
12	26	2.360	2.290	0.069
32	33	2.319	2.329	-0.010
32	34	2.421	2.421	0.000
32	35	2.252	2.244	0.008
32	36	2.241	2.243	-0.002
32	37	2.287	2.271	0.016
52	44	2.538	2.547	-0.009
52	45	2.336	2.346	-0.010
52	46	2.274	2.348	-0.074
52	47	2.320	2.325	-0.005
52	49	2.300	2.326	-0.026
102	78	2.341	2.333	0.007
102	79	2.422	2.329	0.093
102	80	2.313	2.330	-0.018
102	81	2.231	2.329	-0.098
102	83	2.243	2.329	-0.086
152	90	2.274	2.362	-0.089
152	91	2.248	2.353	-0.105
152	93	2.204	2.318	-0.114
152	95	2.352	2.474	-0.122
152	96	2.244	2.359	-0.115
	Max	2.538	2.547	0.001
	Average	2.296	2.328	-0.032
	Min	2.165	2.178	-0.279
	Std Dev	0.071	0.082	0.081

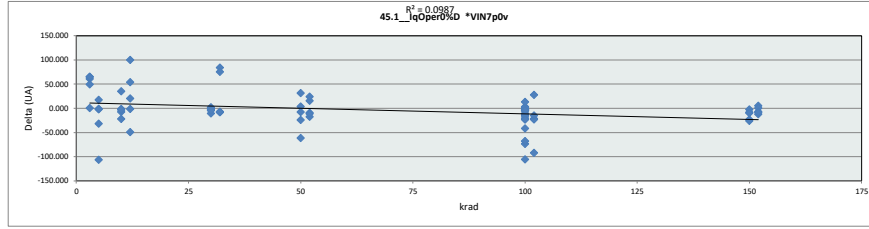


		8998.1_SSI *Vin3v											
Test Site	1												
Tester	ETS364												
Test Number	EF823401												
Max Limit	3	UA											
Min Limit	1.5	UA											
krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased	150 bias	150 unbiased	
LL	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	
Min	2.190	2.197	2.271	2.288	2.178	2.268	2.243	2.325	2.212	2.329	2.324	2.318	
Average	2.198	2.214	2.313	2.289	2.315	2.289	2.302	2.378	2.386	2.330	2.351	2.373	
Max	2.226	2.280	2.362	2.291	2.434	2.341	2.421	2.547	2.501	2.333	2.384	2.474	
UL	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	

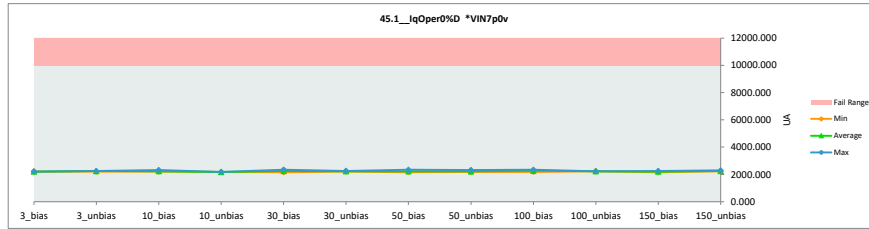


HDR TID Report  
TPS50601A-SP

45.1_IqOper0%D *VIN7p0v				
Test Site	1	1		
Tester	ETS364	ETS364		
Test Number	EF823401	EF823401		
Unit	UA	UA		
Max Limit	10000	10000		
Min Limit				
krad	Serial #	Pre Total	Post Total	Delta
3	1	2272.007	2211.137	60.869
3	2	2212.028	2211.681	0.346
3	3	2275.659	2210.797	64.862
3	4	2276.412	2211.440	64.971
3	5	2261.294	2211.947	49.347
10	15	2203.201	2204.686	-1.484
10	16	2309.020	2316.591	-7.571
10	17	2217.020	2220.407	-3.387
10	18	2256.851	2221.900	34.951
10	20	2199.921	2221.960	-22.039
30	27	2331.018	2341.819	-10.802
30	28	2265.561	2268.083	-2.522
30	29	2167.648	2167.623	0.025
30	30	2161.440	2159.568	1.871
30	32	2292.674	2297.368	-4.690
50	39	2190.180	2214.527	-24.348
50	40	2218.554	2215.086	3.468
50	41	2224.859	2232.617	-7.758
50	42	2264.677	2233.295	31.383
50	43	2200.165	2261.772	-61.607
100	51	2304.314	2324.824	-20.510
100	52	2231.491	2231.344	0.148
100	53	2259.241	2260.270	-1.028
100	54	2331.811	2334.552	-2.741
100	55	2256.126	2261.137	-5.011
100	56	2264.565	2278.821	-14.256
100	57	2306.011	2308.961	-2.950
100	58	2274.275	2284.828	-10.553
100	59	2217.167	2239.424	-22.257
100	60	2242.601	2244.647	-2.045
100	61	2224.699	2229.923	-5.224
100	62	2188.549	2185.649	2.899
100	64	2307.392	2305.211	2.181
100	66	2280.627	2267.444	13.183
100	67	2263.465	2279.564	-16.099
100	69	2271.363	2283.519	-12.156
100	71	2244.663	2268.034	-23.371
100	72	2196.547	2270.188	-73.641
100	73	2229.001	2270.853	-41.852
100	74	2267.567	2271.653	-4.085
100	75	2202.155	2270.188	-68.033
100	76	2178.907	2284.828	-105.920
150	84	2184.097	2207.363	-23.266
150	86	2227.186	2229.846	-2.660
150	87	2149.083	2157.363	-8.280
150	88	2195.566	2221.756	-26.190
150	89	2240.902	2250.790	-9.888
5	8	2202.536	2203.880	-1.344
5	10	2270.460	2253.212	17.248
5	11	2252.390	2254.568	-2.178
5	12	2222.784	2254.843	-32.058
5	14	2146.431	2253.077	-106.646
12	22	2171.350	2172.865	-1.515
12	23	2123.893	2173.403	-49.510
12	24	2193.313	2173.171	20.142
12	25	2227.240	2173.412	53.827
12	26	2273.491	2173.559	99.932
32	33	2277.396	2285.801	-8.405
32	34	2328.131	2335.730	-7.599
32	35	2249.547	2165.623	83.923
32	36	2159.215	2166.732	-7.517
32	37	2279.233	2203.970	75.263
52	44	2308.576	2317.975	-9.398
52	45	2154.276	2172.000	-17.724
52	46	2189.064	2173.490	15.574
52	47	2212.296	2223.556	-11.260
52	49	2247.872	2223.825	24.047
102	78	2259.885	2232.117	27.768
102	79	2211.331	2232.811	-21.480
102	80	2209.247	2232.532	-23.286
102	81	2139.960	2232.276	-92.316
102	83	2212.523	2232.460	-19.938
152	90	2266.558	2261.454	5.104
152	91	2209.591	2221.856	-12.265
152	93	2241.945	2241.503	0.442
152	95	2249.447	2256.478	-7.031
152	96	2279.617	2288.382	-8.765
Max		2331.811	2341.819	99.932
Average		2235.249	2239.530	-4.282
Min		2123.893	2157.363	-106.646
Std Dev		47.866	45.779	36.442



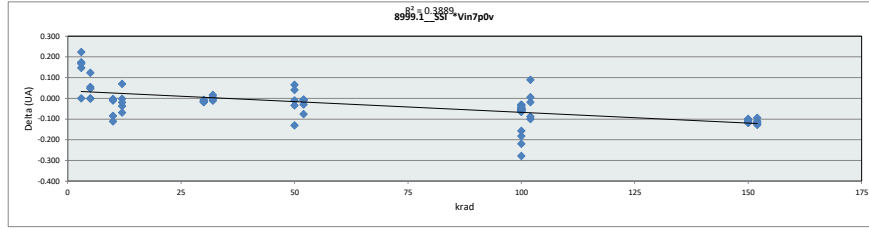
45.1_IqOper0%D *VIN7p0v												
Test Site	1											
Tester	ETS364											
Test Number	EF823401											
Max Limit	10000											
Min Limit	UA											
krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased	150 bias	150 unbiased
LL												
Min	2210.797	2203.880	2204.686	2172.865	2159.568	2214.527	2165.623	2172.000	2185.649	2232.117	2157.363	2221.856
Average	2211.400	2243.916	2237.109	2173.282	2246.891	2231.460	2231.571	2222.169	2270.721	2232.439	2213.424	2253.935
Max	2211.947	2254.843	2316.591	2173.559	2341.819	2261.772	2335.730	2317.975	2334.553	2232.811	2250.790	2288.382
UL	10000.000	10000.000	10000.000	10000.000	10000.000	10000.000	10000.000	10000.000	10000.000	10000.000	10000.000	10000.000





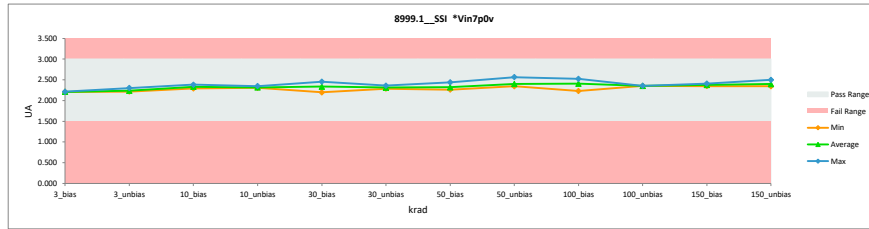
HDR TID Report  
TPS50601A-SP

		8999.1_SSI *Vin7p0v		
Test Site	1	1		
Tester	ETS364	ETS364		
Test Number	EF823401	EF823401		
Unit	UA	UA		
Max Limit	3	3		
Min Limit	1.5	1.5		
krad	Serial #	Pre Total	Post Total	Delta
3	1	2.356	2.209	0.147
3	2	2.209	2.210	-0.001
3	3	2.384	2.210	0.174
3	4	2.378	2.211	0.167
3	5	2.434	2.211	0.223
10	15	2.288	2.292	-0.003
10	16	2.371	2.382	-0.011
10	17	2.325	2.332	-0.008
10	18	2.248	2.332	-0.085
10	20	2.220	2.332	-0.112
30	27	2.399	2.418	-0.019
30	28	2.346	2.362	-0.016
30	29	2.189	2.196	-0.008
30	30	2.237	2.250	-0.013
30	32	2.352	2.455	-0.103
30	39	2.352	2.289	0.065
50	40	2.277	2.287	-0.010
50	41	2.280	2.315	-0.035
50	42	2.348	2.308	0.040
50	43	2.228	2.359	-0.131
100	51	2.402	2.467	-0.065
100	52	2.336	2.400	-0.064
100	53	2.316	2.366	-0.051
100	54	2.356	2.414	-0.058
100	55	2.197	2.231	-0.034
100	56	2.364	2.422	-0.058
100	57	2.470	2.522	-0.053
100	58	2.299	2.353	-0.054
100	59	2.321	2.384	-0.063
100	60	2.354	2.384	-0.030
100	61	2.234	2.269	-0.035
100	62	2.301	2.349	-0.048
100	64	2.287	2.337	-0.050
100	66	2.411	2.453	-0.042
100	67	2.368	2.420	-0.052
100	69	2.402	2.463	-0.061
100	71	2.307	2.464	-0.157
100	72	2.244	2.464	-0.220
100	73	2.186	2.464	-0.278
100	74	2.411	2.464	-0.053
100	75	2.281	2.464	-0.183
100	76	2.307	2.353	-0.046
150	84	2.236	2.355	-0.119
150	86	2.273	2.372	-0.099
150	87	2.240	2.349	-0.109
150	88	2.304	2.409	-0.105
150	89	2.272	2.387	-0.115
5	8	2.302	2.303	-0.001
5	10	2.340	2.217	0.123
5	11	2.217	2.217	0.000
5	12	2.274	2.220	0.055
5	14	2.264	2.217	0.047
12	22	2.306	2.308	-0.002
12	23	2.271	2.309	-0.037
12	24	2.280	2.349	-0.069
12	25	2.290	2.310	-0.019
12	26	2.380	2.311	0.069
32	33	2.336	2.347	-0.011
32	34	2.439	2.440	-0.001
32	35	2.268	2.263	0.005
32	36	2.260	2.263	-0.002
32	37	2.307	2.291	0.016
52	44	2.555	2.566	-0.011
52	45	2.357	2.367	-0.010
52	46	2.294	2.371	-0.077
52	47	2.340	2.346	-0.006
52	49	2.316	2.346	-0.030
102	78	2.362	2.357	0.005
102	79	2.440	2.351	0.089
102	80	2.335	2.354	-0.019
102	81	2.251	2.352	-0.100
102	83	2.264	2.352	-0.088
152	90	2.293	2.387	-0.094
152	91	2.266	2.376	-0.110
152	93	2.224	2.343	-0.119
152	95	2.371	2.499	-0.128
152	96	2.263	2.383	-0.120
	Max	2.555	2.566	0.223
	Average	2.315	2.349	-0.034
	Min	2.186	2.196	-0.278
	Std Dev	0.071	0.083	0.082



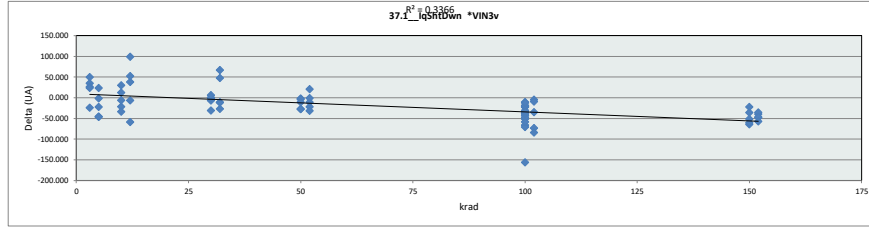
		8999.1_SSI *Vin7p0v	
Test Site	1		
Tester	ETS364		
Test Number	EF823401		
Max Limit	3	UA	
Min Limit	1.5	UA	

krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias	150 bias	150 unbias
LL	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500
Min	2.209	2.217	2.292	2.308	2.196	2.288	2.263	2.346	2.231	2.351	2.349	2.343
Average	2.210	2.235	2.334	2.317	2.336	2.312	2.321	2.399	2.405	2.353	2.375	2.398
Max	2.211	2.303	2.382	2.349	2.455	2.359	2.440	2.566	2.522	2.357	2.410	2.499
UL	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000

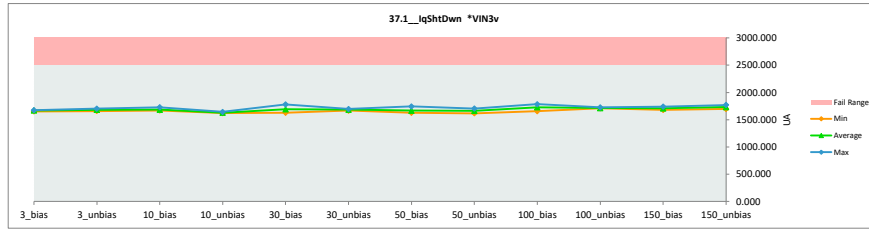


HDR TID Report  
TPS50601A-SP

37.1_IqShtDwn *VIN3v				
Test Site	1	1		
Tester	ETS364	ETS364		
Test Number	EF823401	EF823401		
Unit	UA	UA		
Max Limit	2500	2500		
Min Limit				
3	1	1709.121	1674.108	35.013
3	2	1650.702	1674.918	-24.216
3	3	1698.409	1672.206	26.203
3	4	1698.117	1674.326	23.791
3	5	1702.512	1652.848	49.664
10	15	1648.645	1670.243	-21.598
10	16	1721.217	1727.476	-6.260
10	17	1687.643	1675.199	12.444
10	18	1706.035	1675.978	30.057
10	20	1641.818	1675.480	-33.662
30	27	1781.070	1780.314	0.755
30	28	1699.052	1705.686	-6.634
30	29	1599.858	1630.653	-30.795
30	30	1626.823	1627.691	-0.868
30	32	1718.145	1705.967	6.178
50	39	1660.709	1688.073	-27.365
50	40	1664.107	1665.847	-1.740
50	41	1679.319	1683.055	-3.735
50	42	1677.075	1687.980	-10.905
50	43	1668.066	1695.150	-27.084
100	51	1732.314	1770.466	-38.151
100	52	1661.176	1683.571	-22.395
100	53	1695.623	1739.029	-43.406
100	54	1740.825	1783.551	-42.727
100	55	1689.575	1725.756	-36.181
100	56	1667.380	1733.421	-66.041
100	57	1725.082	1776.292	-51.210
100	58	1721.497	1757.037	-35.540
100	59	1673.113	1694.039	-20.926
100	60	1673.334	1711.082	-37.748
100	61	1688.516	1719.182	-30.667
100	62	1636.144	1656.247	-20.103
100	64	1725.051	1745.572	-20.521
100	66	1683.902	1694.507	-10.605
100	67	1740.431	1728.803	11.628
100	69	1703.167	1715.599	-12.432
100	71	1646.213	1717.033	-70.820
100	72	1670.809	1718.715	-47.906
100	73	1680.379	1718.871	-38.492
100	74	1705.193	1739.309	-34.116
100	75	1660.303	1718.715	-58.412
100	76	1601.074	1757.037	-155.964
150	84	1667.505	1703.450	-35.945
150	86	1669.063	1691.321	-22.257
150	87	1628.039	1679.223	-51.184
150	88	1676.607	1740.835	-64.228
150	89	1661.363	1721.877	-60.514
5	8	1657.872	1659.457	-1.585
5	10	1704.695	1681.059	23.635
5	11	1681.501	1703.629	-22.127
5	12	1636.643	1682.151	-45.508
5	14	1634.585	1680.810	-46.225
12	22	1613.792	1620.272	-6.480
12	23	1583.367	1642.093	-58.726
12	24	1658.932	1620.865	38.067
12	25	1692.256	1639.849	52.407
12	26	1719.253	1620.241	99.011
32	33	1667.879	1679.345	-11.466
32	34	1731.535	1742.657	-11.122
32	35	1674.612	1627.006	47.606
32	36	1602.539	1629.375	-26.836
32	37	1716.728	1650.042	66.685
52	44	1683.185	1705.000	-21.816
52	45	1625.483	1636.295	-10.813
52	46	1638.264	1617.623	20.641
52	47	1652.136	1683.772	-31.636
52	49	1664.543	1665.317	-0.774
102	78	1722.432	1726.915	-4.483
102	79	1636.331	1709.614	-73.283
102	80	1700.486	1709.676	-9.190
102	81	1624.703	1708.928	-84.225
102	83	1674.082	1708.990	-34.908
152	90	1688.671	1728.176	-39.504
152	91	1662.267	1697.900	-35.632
152	93	1694.781	1743.017	-48.236
152	95	1670.559	1717.325	-46.766
152	96	1713.860	1770.892	-57.033
	Max	1781.070	1783.551	99.011
	Average	1676.009	1696.002	-19.992
	Min	1583.367	1617.623	-155.964
	Std Dev	36.729	41.295	37.408

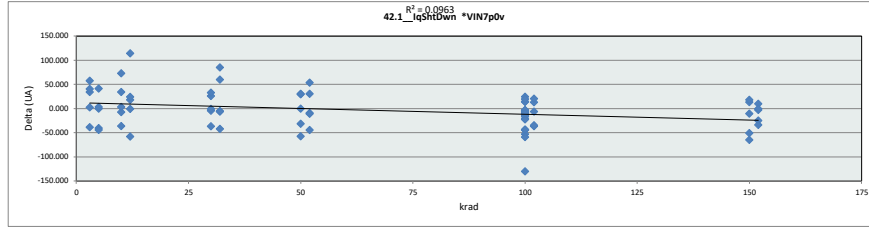


37.1_IqShtDwn *VIN3v												
Test Site	1											
Tester	ETS364											
Test Number	EF823401											
Max Limit	2500	UA										
Min Limit	UA											
LL												
Min	1652.848	1659.457	1670.243	1620.241	1627.691	1665.847	1627.006	1617.623	1656.247	1708.928	1679.223	1697.900
Average	1669.681	1681.421	1684.875	1628.664	1690.062	1684.021	1665.685	1661.601	1727.452	1712.825	1707.341	1731.462
Max	1674.919	1703.629	1727.476	1642.093	1780.314	1695.150	1742.657	1705.000	1783.551	1726.915	1740.835	1770.892
UL	2500.000	2500.000	2500.000	2500.000	2500.000	2500.000	2500.000	2500.000	2500.000	2500.000	2500.000	2500.000

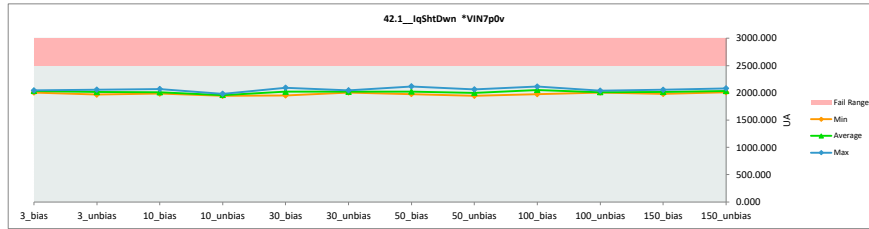


HDR TID Report  
TPS50601A-SP

42.1_IqShtDwn *VIN7p0v				
Test Site	1	1		
Tester	ETS364	ETS364		
Test Number	EF823401	EF823401		
Unit	UA	UA		
Max Limit	2500	2500		
Min Limit				
3	1	2077.098	2043.193	33.905
3	2	2005.540	2044.411	-38.871
3	3	2080.940	2040.681	40.259
3	4	2046.074	2043.849	2.225
3	5	2062.914	2005.571	57.343
10	15	1995.074	2031.489	-36.416
10	16	2062.070	2069.593	-7.523
10	17	2018.924	1984.875	34.049
10	18	2058.952	1986.238	72.714
10	20	1989.144	1986.181	2.963
30	27	2119.769	2093.925	25.844
30	28	2017.906	2022.585	-4.680
30	29	1963.831	2000.834	-37.003
30	30	1950.359	1951.252	-0.893
30	32	2064.494	2031.777	32.718
50	39	2013.632	2045.405	-31.773
50	40	2006.977	2007.514	-0.537
50	41	2034.533	2005.396	29.137
50	42	2037.657	2007.483	30.175
50	43	1981.321	2038.956	-57.635
100	51	2094.418	2115.418	-21.000
100	52	2002.291	2007.539	-5.248
100	53	2044.668	2088.581	-43.913
100	54	2080.072	2088.157	-8.085
100	55	2023.511	2034.751	-11.240
100	56	2034.152	2087.345	-53.193
100	57	2055.796	2100.183	-44.386
100	58	2080.003	2095.250	-15.247
100	59	2038.994	2034.897	14.097
100	60	2016.462	2024.273	-7.811
100	61	2049.092	2055.231	-6.140
100	62	1970.867	1975.207	-4.340
100	64	2075.279	2078.447	-3.168
100	66	2051.304	2027.083	24.221
100	67	2062.507	2048.257	14.250
100	69	2058.627	2039.184	19.443
100	71	2017.662	2034.201	-16.539
100	72	2014.019	2036.555	-22.536
100	73	1992.762	2036.924	-44.162
100	74	2063.707	2073.583	-9.876
100	75	1977.365	2036.555	-59.190
100	76	1965.100	2095.250	-130.150
150	84	2003.590	1990.548	13.042
150	86	2022.567	2004.848	17.719
150	87	1969.424	1980.090	-10.667
150	88	1983.939	2048.959	-65.020
150	89	2005.052	2056.094	-51.041
5	8	1968.837	1967.292	-0.455
5	10	2059.414	2018.161	41.253
5	11	2017.881	2058.508	-40.627
5	12	2022.298	2019.399	2.900
5	14	1973.898	2018.161	-44.264
12	22	1944.830	1945.735	-0.905
12	23	1924.941	1983.038	-58.098
12	24	1964.675	1946.822	17.853
12	25	2005.659	1981.639	24.020
12	26	2061.751	1947.759	113.992
32	33	2045.093	2050.647	-5.554
32	34	2112.039	2118.450	-6.411
32	35	2063.257	1978.346	84.911
32	36	1939.456	1981.682	-42.226
32	37	2055.122	1995.348	59.774
52	44	2052.897	2062.344	-9.447
52	45	1969.049	1980.058	-11.009
52	46	1976.078	1945.816	30.262
52	47	1980.683	2025.266	-44.582
52	49	2044.431	1991.168	53.263
102	78	2053.266	2040.318	12.947
102	79	1970.542	2007.183	-36.641
102	80	2027.297	2007.095	20.202
102	81	1972.442	2007.214	-34.772
102	83	2001.516	2007.901	-6.385
152	90	2041.031	2031.380	9.651
152	91	2007.914	2011.064	-3.150
152	93	2016.231	2041.207	-24.975
152	95	2009.645	2010.446	-0.800
152	96	2047.305	2081.451	-34.146
Max		2119.769	2118.450	113.992
Average		2021.656	2025.787	-4.131
Min		1924.941	1945.735	-130.150
Std Dev		42.122	41.175	37.933

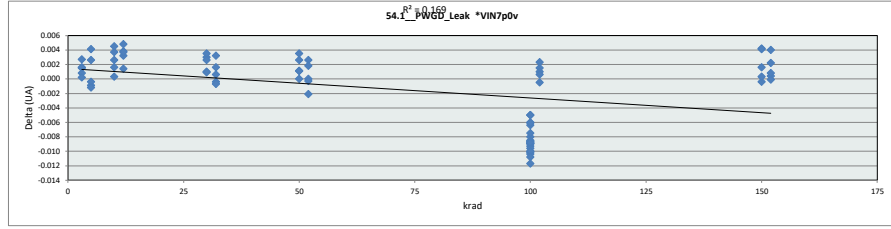


42.1_IqShtDwn *VIN7p0v												
Test Site	1											
Tester	ETS364											
Test Number	EF823401											
Max Limit	2500	UA										
Min Limit	UA											
krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased	150 bias	150 unbiased
LL												
Min	2005.571	1967.292	1984.875	1945.735	1951.252	2005.396	1978.346	1945.816	1975.207	2007.095	1980.091	2010.446
Average	2035.541	2016.304	2011.675	1960.999	2020.075	2020.951	2024.895	2000.930	2054.681	2013.942	2016.108	2035.109
Max	2044.411	2058.508	2069.593	1983.038	2093.925	2045.405	2118.450	2062.345	2115.419	2040.319	2056.094	2081.451
UL	2500.000	2500.000	2500.000	2500.000	2500.000	2500.000	2500.000	2500.000	2500.000	2500.000	2500.000	2500.000

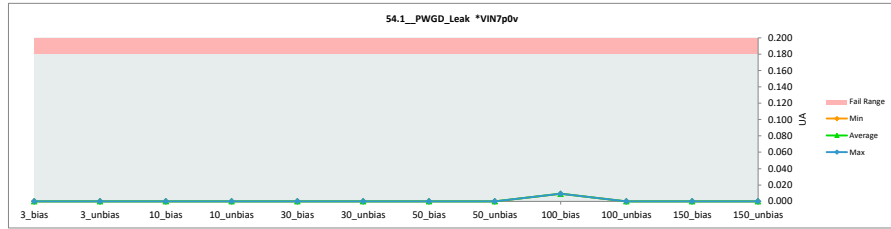


HDR TID Report  
TPS50601A-SP

54.1_PWGD_Leak *VIN7p0v				
Test Site	1	1		
Tester	ETS364	ETS364		
Test Number	EF823401	EF823401		
Unit	UA	UA		
Max Limit	0.181			
Min Limit				
krad	Serial #	Pre Total	Post Total	Delta
3	1	0.003	0.000	0.003
3	2	0.002	0.000	0.002
3	3	0.001	0.000	0.001
3	4	0.000	0.000	0.000
3	5	0.002	0.000	0.002
10	15	0.004	0.000	0.004
10	16	0.003	0.000	0.003
10	17	0.000	0.000	0.000
10	18	0.002	0.000	0.002
10	20	0.004	0.000	0.004
30	27	0.003	0.000	0.003
30	28	0.001	0.000	0.001
30	29	0.001	0.000	0.001
30	30	0.003	0.000	0.003
30	32	0.004	0.000	0.004
50	39	0.003	0.000	0.003
50	40	0.004	0.000	0.004
50	41	0.001	0.000	0.001
50	42	0.001	0.000	0.001
50	43	0.000	0.000	0.000
100	51	-0.001	0.009	-0.010
100	52	0.000	0.009	-0.009
100	53	0.000	0.009	-0.009
100	54	0.003	0.009	-0.006
100	55	0.004	0.009	-0.005
100	56	0.001	0.009	-0.009
100	57	0.001	0.009	-0.008
100	58	-0.001	0.009	-0.010
100	59	0.000	0.009	-0.009
100	60	0.003	0.009	-0.006
100	61	0.000	0.009	-0.009
100	62	0.002	0.009	-0.008
100	64	-0.001	0.009	-0.010
100	66	0.004	0.009	-0.005
100	67	0.003	0.009	-0.006
100	69	-0.003	0.009	-0.012
100	71	-0.001	0.009	-0.010
100	72	0.000	0.009	-0.009
100	73	0.001	0.009	-0.009
100	74	0.000	0.009	-0.009
100	75	-0.001	0.009	-0.010
100	76	-0.002	0.009	-0.011
150	84	0.004	0.000	0.004
150	86	0.004	0.000	0.004
150	87	0.000	0.000	0.000
150	88	0.000	0.000	0.000
150	89	0.002	0.000	0.002
5	8	-0.001	0.000	-0.001
5	10	0.004	0.000	0.004
5	11	0.000	0.000	0.000
5	12	-0.001	0.000	-0.001
5	14	0.003	0.000	0.003
12	22	0.003	0.000	0.003
12	23	0.001	0.000	0.001
12	24	0.004	0.000	0.004
12	25	0.004	0.000	0.004
12	26	0.005	0.000	0.005
32	33	0.003	0.000	0.003
32	34	0.000	0.000	0.000
32	35	0.001	0.000	0.001
32	36	-0.001	0.000	-0.001
32	37	0.002	0.000	0.002
52	44	-0.002	0.000	-0.002
52	45	0.003	0.000	0.003
52	46	0.000	0.000	0.000
52	47	0.000	0.000	0.000
52	49	0.002	0.000	0.002
102	78	0.002	0.000	0.002
102	79	-0.001	0.000	-0.001
102	80	0.002	0.000	0.002
102	81	0.001	0.000	0.001
102	83	0.001	0.000	0.001
152	90	0.000	0.000	0.000
152	91	0.002	0.000	0.002
152	93	0.000	0.000	0.000
152	95	0.004	0.000	0.004
152	96	0.001	0.000	0.001
	Max	0.005	0.009	0.005
	Average	0.001	0.003	-0.001
	Min	-0.003	0.000	-0.012
	Std Dev	0.002	0.004	0.005

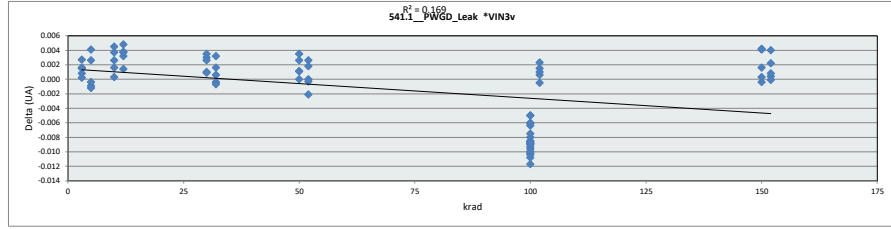


54.1_PWGD_Leak *VIN7p0v													
Test Site	1												
Tester	ETS364												
Test Number	EF823401												
Max Limit	0.181	UA											
Min Limit		UA											
krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased	150 bias	150 unbiased	
LL													
Min	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.000	0.000	0.000	
Average	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.000	0.000	0.000	
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.000	0.000	0.000	
UL	0.181	0.181	0.181	0.181	0.181	0.181	0.181	0.181	0.181	0.181	0.181	0.181	

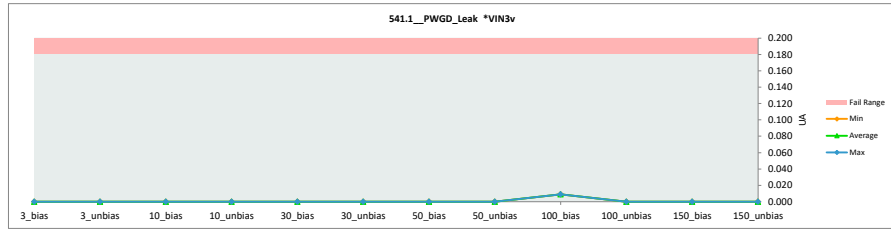


HDR TID Report  
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541.1_PWGD_Leak *VIN3v				
Test Site	1	1		
Tester	ETS364	ETS364		
Test Number	EF823401	EF823401		
Unit	UA	UA		
Max Limit	0.181			
Min Limit				
krad	Serial #	Pre Total	Post Total	Delta
3	1	0.003	0.000	0.003
3	2	0.002	0.000	0.002
3	3	0.001	0.000	0.001
3	4	0.000	0.000	0.000
3	5	0.002	0.000	0.002
10	15	0.004	0.000	0.004
10	16	0.003	0.000	0.003
10	17	0.000	0.000	0.000
10	18	0.002	0.000	0.002
10	20	0.004	0.000	0.004
30	27	0.003	0.000	0.003
30	28	0.001	0.000	0.001
30	29	0.001	0.000	0.001
30	30	0.003	0.000	0.003
30	32	0.004	0.000	0.004
50	39	0.003	0.000	0.003
50	40	0.004	0.000	0.004
50	41	0.001	0.000	0.001
50	42	0.001	0.000	0.001
50	43	0.000	0.000	0.000
100	51	-0.001	0.009	-0.010
100	52	0.000	0.009	-0.009
100	53	0.000	0.009	-0.009
100	54	0.003	0.009	-0.006
100	55	0.004	0.009	-0.005
100	56	0.001	0.009	-0.009
100	57	0.001	0.009	-0.008
100	58	-0.001	0.009	-0.010
100	59	0.000	0.009	-0.009
100	60	0.003	0.009	-0.006
100	61	0.000	0.009	-0.009
100	62	0.002	0.009	-0.008
100	64	-0.001	0.009	-0.010
100	66	0.004	0.009	-0.005
100	67	0.003	0.009	-0.006
100	69	-0.003	0.009	-0.012
100	71	-0.001	0.009	-0.010
100	72	0.000	0.009	-0.009
100	73	0.001	0.009	-0.009
100	74	0.000	0.009	-0.009
100	75	-0.001	0.009	-0.010
100	76	-0.002	0.009	-0.011
150	84	0.004	0.000	0.004
150	86	0.004	0.000	0.004
150	87	0.000	0.000	0.000
150	88	0.000	0.000	0.000
150	89	0.002	0.000	0.002
5	8	-0.001	0.000	-0.001
5	10	0.004	0.000	0.004
5	11	0.000	0.000	0.000
5	12	-0.001	0.000	-0.001
5	14	0.003	0.000	0.003
12	22	0.003	0.000	0.003
12	23	0.001	0.000	0.001
12	24	0.004	0.000	0.004
12	25	0.004	0.000	0.004
12	26	0.005	0.000	0.005
32	33	0.003	0.000	0.003
32	34	0.000	0.000	0.000
32	35	0.001	0.000	0.001
32	36	-0.001	0.000	-0.001
32	37	0.002	0.000	0.002
52	44	-0.002	0.000	-0.002
52	45	0.003	0.000	0.003
52	46	0.000	0.000	0.000
52	47	0.000	0.000	0.000
52	49	0.002	0.000	0.002
102	78	0.002	0.000	0.002
102	79	-0.001	0.000	-0.001
102	80	0.002	0.000	0.002
102	81	0.001	0.000	0.001
102	83	0.001	0.000	0.001
152	90	0.000	0.000	0.000
152	91	0.002	0.000	0.002
152	93	0.000	0.000	0.000
152	95	0.004	0.000	0.004
152	96	0.001	0.000	0.001
	Max	0.005	0.009	0.005
	Average	0.001	0.003	-0.001
	Min	-0.003	0.000	-0.012
	Std Dev	0.002	0.004	0.005

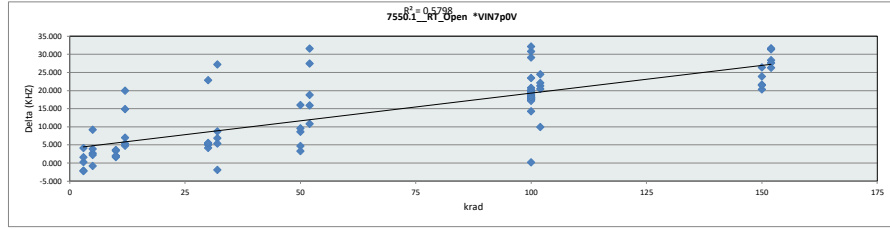


541.1_PWGD_Leak *VIN3v													
Test Site	1												
Tester	ETS364												
Test Number	EF823401												
Max Limit	0.181	UA											
Min Limit		UA											
krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased	150 bias	150 unbiased	
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.000	0.000	
Min	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.000	0.000	
Average	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.000	0.000	
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.000	0.000	
UL	0.181	0.181	0.181	0.181	0.181	0.181	0.181	0.181	0.181	0.181	0.181	0.181	

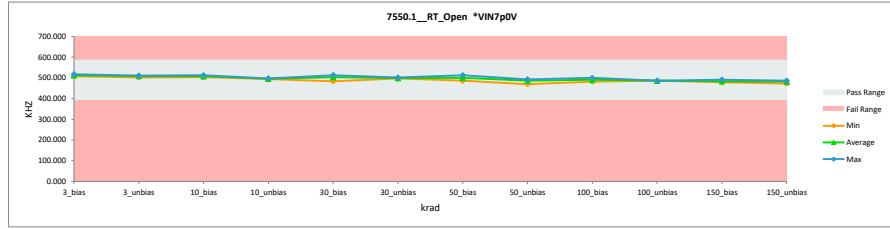


HDR TID Report  
TPS50601A-SP

		7550.1_RT_Open *VIN7p0V		
Test Site	1	1		
Tester	ETS364	ETS364		
Test Number	EF823401	EF823401		
Unit	KHZ	KHZ		
Max Limit	585	585		
Min Limit	395	395		
krad	Serial #	Pre Total	Post Total	Delta
3	1	507.946	510.037	-2.091
3	2	513.632	509.490	4.142
3	3	515.020	514.772	0.248
3	4	518.549	516.956	1.593
3	5	506.339	508.562	-2.223
10	15	514.233	512.236	1.997
10	16	511.970	508.563	3.407
10	17	505.535	503.910	1.625
10	18	507.191	505.273	1.918
10	20	509.496	505.899	3.597
30	27	512.660	507.645	5.015
30	28	509.945	505.760	4.185
30	29	511.047	505.655	5.392
30	30	506.290	483.454	22.835
30	32	518.132	512.568	5.564
50	39	501.332	495.223	6.109
50	40	505.169	496.536	8.633
50	41	510.664	501.103	9.561
50	42	504.342	501.040	3.302
50	43	513.333	497.327	16.007
100	51	514.512	496.170	18.342
100	52	511.449	491.425	20.024
100	53	514.103	496.525	17.578
100	54	512.329	494.549	17.781
100	55	511.810	492.946	18.863
100	56	510.629	489.887	20.742
100	57	506.714	486.616	20.098
100	58	515.745	496.155	19.589
100	59	508.512	490.380	18.132
100	60	512.624	494.654	17.970
100	61	518.773	499.332	19.441
100	62	506.845	488.243	18.601
100	64	521.850	492.751	29.099
100	66	511.530	493.936	17.594
100	67	515.610	497.965	17.645
100	69	506.329	489.168	17.160
100	71	512.778	481.978	30.800
100	72	505.527	482.060	23.467
100	73	496.421	482.138	14.284
100	74	499.945	481.815	18.130
100	75	514.201	482.060	32.141
100	76	496.338	496.155	0.183
150	84	502.773	481.162	21.611
150	86	510.529	484.162	26.366
150	87	498.506	478.208	20.298
150	88	506.783	482.914	23.869
150	89	512.308	490.845	21.463
5	8	504.823	502.125	2.698
5	10	514.077	510.170	3.908
5	11	511.874	509.641	2.232
5	12	519.107	509.934	9.173
5	14	509.274	510.076	-0.801
12	22	501.585	496.754	4.791
12	23	500.675	493.683	6.992
12	24	501.699	496.318	5.380
12	25	513.176	493.205	19.971
12	26	511.571	496.692	14.878
32	33	511.491	504.617	6.873
32	34	512.743	485.531	27.211
32	35	509.059	500.332	8.727
32	36	505.837	500.454	5.382
32	37	510.353	512.260	-1.907
52	44	500.844	469.281	31.564
52	45	503.440	487.561	15.879
52	46	506.189	487.411	18.778
52	47	502.741	491.915	10.826
52	49	519.485	492.059	27.426
102	78	510.270	485.800	24.470
102	79	496.006	486.080	9.926
102	80	507.268	485.971	21.297
102	81	507.878	485.768	22.109
102	83	505.912	485.470	20.442
152	90	515.253	483.883	31.371
152	91	501.298	472.923	28.375
152	93	507.199	480.938	26.261
152	95	512.033	480.404	31.629
152	96	513.551	485.950	27.601
100	Max	521.850	516.956	32.141
100	Average	509.155	494.816	14.340
100	Min	496.006	469.281	-2.223
100	Std Dev	5.716	10.796	9.969

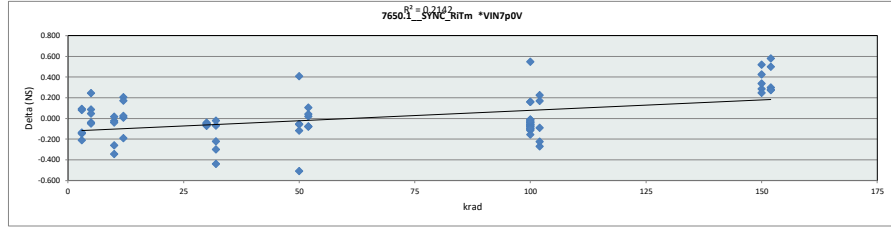


		7550.1_RT_Open *VIN7p0V											
Test Site	1												
Tester	ETS364												
Test Number	EF823401												
Max Limit	585												
Min Limit	395												
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias	150 bias	150 unbias	
LL	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	
Min	508.562	502.125	503.910	493.205	483.455	496.536	485.531	469.281	481.815	485.470	478.208	472.923	
Average	511.963	508.389	507.176	495.330	503.017	498.526	500.639	485.645	490.769	485.818	483.458	480.819	
Max	516.956	510.170	512.236	496.754	512.568	501.103	512.260	492.059	499.332	486.080	490.845	485.950	
UL	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	

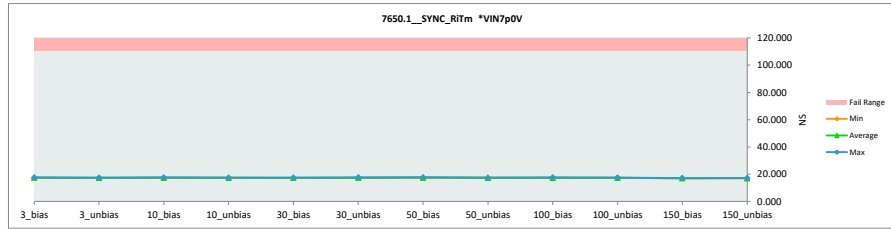


HDR TID Report  
TPS50601A-SP

7650.1_SYNC_RITm *VIN7p0V					
Test Site	1				
Tester	ETS364		ETS364		
Test Number	EF823401		EF823401		
Unit	NS		NS		
Max Limit	111		111		
Min Limit					
krad	Serial #	Pre Total	Post Total	Delta	
3	1	17.424	17.569	-0.146	
3	2	17.562	17.481	0.082	
3	3	17.599	17.507	0.092	
3	4	17.384	17.521	-0.137	
3	5	17.324	17.534	-0.210	
10	15	17.530	17.554	-0.024	
10	16	17.294	17.334	-0.040	
10	17	17.495	17.479	0.017	
10	18	17.264	17.524	-0.260	
10	20	17.188	17.532	-0.344	
30	27	17.143	17.192	-0.049	
30	28	17.358	17.430	-0.072	
30	29	17.209	17.263	-0.054	
30	30	17.242	17.284	-0.042	
30	32	17.354	17.416	-0.061	
50	39	17.502	17.619	-0.117	
50	40	17.588	17.645	-0.057	
50	41	17.118	17.172	-0.055	
50	42	17.563	17.154	0.408	
50	43	17.104	17.612	-0.508	
100	51	17.405	17.476	-0.071	
100	52	17.345	17.356	-0.011	
100	53	17.339	17.178	0.161	
100	54	17.342	17.365	-0.023	
100	55	17.307	17.346	-0.039	
100	56	17.304	17.358	-0.053	
100	57	17.601	17.612	-0.011	
100	58	17.069	17.134	-0.065	
100	59	17.316	17.425	-0.109	
100	60	17.198	17.256	-0.058	
100	61	17.219	17.258	-0.039	
100	62	17.336	17.400	-0.064	
100	64	17.349	17.464	-0.115	
100	66	17.394	17.473	-0.079	
100	67	17.176	17.256	-0.080	
100	69	17.337	17.367	-0.030	
100	71	17.701	17.542	0.159	
100	72	17.413	17.569	-0.156	
100	73	17.494	17.586	-0.092	
100	74	17.479	17.579	-0.101	
100	75	17.472	17.569	-0.097	
100	76	17.671	17.124	0.547	
150	84	17.194	16.909	0.285	
150	86	17.365	17.118	0.247	
150	87	17.399	16.974	0.425	
150	88	17.463	17.126	0.337	
150	89	17.554	17.035	0.519	
5	8	17.300	17.339	-0.039	
5	10	17.365	17.278	0.087	
5	11	17.277	17.327	-0.050	
5	12	17.360	17.313	0.047	
5	14	17.552	17.307	0.245	
12	22	17.413	17.406	0.007	
12	23	17.551	17.346	0.205	
12	24	17.563	17.391	0.172	
12	25	17.399	17.375	0.024	
12	26	17.174	17.366	-0.191	
32	33	17.310	17.532	-0.222	
32	34	17.297	17.366	-0.069	
32	35	17.331	17.631	-0.300	
32	36	17.614	17.635	-0.021	
32	37	17.108	17.546	-0.439	
52	44	17.284	17.364	-0.080	
52	45	17.410	17.391	0.019	
52	46	17.430	17.388	0.042	
52	47	17.321	17.398	-0.077	
52	49	17.502	17.397	0.105	
102	78	17.132	17.402	-0.270	
102	79	17.630	17.404	0.225	
102	80	17.566	17.397	0.169	
102	81	17.318	17.408	-0.090	
102	83	17.174	17.398	-0.224	
152	90	17.709	17.210	0.499	
152	91	17.483	17.185	0.299	
152	93	17.556	16.976	0.579	
152	95	17.235	16.956	0.279	
152	96	17.447	17.174	0.274	
	Max	17.709	17.645	0.579	
	Average	17.380	17.367	0.013	
	Min	17.069	16.909	-0.508	
	Std Dev	0.154	0.174	0.214	

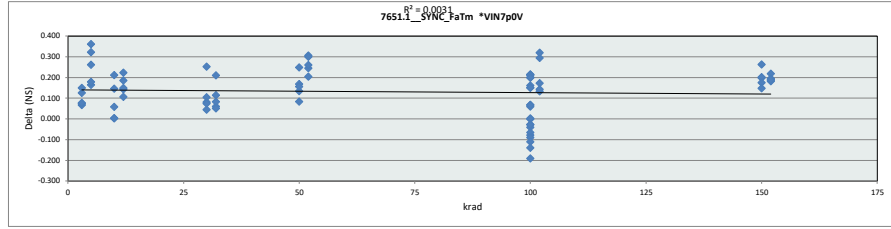


7650.1_SYNC_RITm *VIN7p0V													
Test Site	1												
Tester	ETS364												
Test Number	EF823401												
Max Limit	111												
Min Limit	NS												
krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased	150 bias	150 unbiased	
LL	17.481	17.278	17.335	17.346	17.192	17.155	17.366	17.364	17.124	17.397	16.909	16.956	
Min	17.522	17.313	17.485	17.377	17.317	17.441	17.542	17.388	17.395	17.402	17.032	17.100	
Average	17.570	17.339	17.554	17.406	17.430	17.645	17.635	17.398	17.612	17.408	17.126	17.210	
Max	111.000	111.000	111.000	111.000	111.000	111.000	111.000	111.000	111.000	111.000	111.000	111.000	
UL													

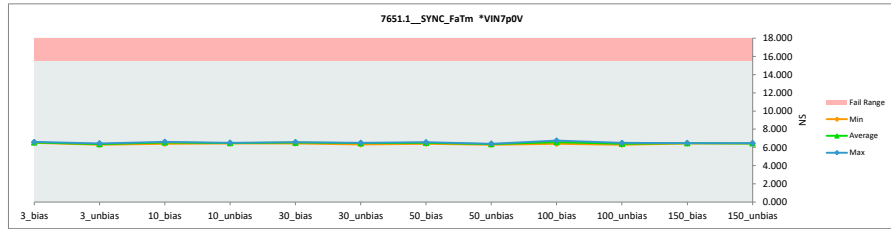


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7651.1_SYNC_FaTm *VIN7p0V				
Test Site	1	1		
Tester	ETS364	ETS364		
Test Number	EF823401	EF823401		
Unit	NS	NS		
Max Limit	15.5	15.5		
Min Limit				
krad	Serial #	Pre Total	Post Total	Delta
3	1	6.661	6.594	0.067
3	2	6.646	6.573	0.073
3	3	6.649	6.524	0.125
3	4	6.653	6.503	0.149
3	5	6.613	6.536	0.077
10	15	6.680	6.534	0.145
10	16	6.611	6.401	0.211
10	17	6.622	6.564	0.058
10	18	6.615	6.613	0.003
10	20	6.615	6.613	0.003
30	27	6.591	6.486	0.104
30	28	6.684	6.432	0.252
30	29	6.627	6.546	0.081
30	30	6.634	6.590	0.044
30	32	6.627	6.553	0.074
50	39	6.629	6.495	0.134
50	40	6.592	6.509	0.083
50	41	6.635	6.467	0.167
50	42	6.570	6.322	0.248
50	43	6.630	6.475	0.155
100	51	6.623	6.702	-0.079
100	52	6.595	6.536	0.059
100	53	6.690	6.476	0.214
100	54	6.634	6.662	-0.028
100	55	6.629	6.631	-0.002
100	56	6.618	6.617	0.002
100	57	6.590	6.522	0.068
100	58	6.622	6.409	0.213
100	59	6.619	6.419	0.200
100	60	6.603	6.393	0.210
100	61	6.615	6.465	0.150
100	62	6.617	6.658	-0.041
100	64	6.659	6.498	0.161
100	66	6.601	6.451	0.150
100	67	6.594	6.660	-0.066
100	69	6.602	6.536	0.066
100	71	6.653	6.744	-0.091
100	72	6.633	6.744	-0.111
100	73	6.608	6.748	-0.140
100	74	6.557	6.748	-0.191
100	75	6.716	6.744	-0.028
100	76	6.607	6.409	0.198
150	84	6.680	6.483	0.197
150	86	6.634	6.433	0.201
150	87	6.652	6.477	0.175
150	88	6.623	6.476	0.147
150	89	6.684	6.422	0.262
5	8	6.635	6.275	0.360
5	10	6.603	6.439	0.164
5	11	6.584	6.323	0.261
5	12	6.625	6.447	0.178
5	14	6.620	6.299	0.322
12	22	6.663	6.521	0.142
12	23	6.602	6.453	0.149
12	24	6.599	6.493	0.106
12	25	6.648	6.463	0.185
12	26	6.638	6.415	0.222
32	33	6.614	6.404	0.209
32	34	6.616	6.556	0.060
32	35	6.646	6.532	0.114
32	36	6.573	6.523	0.050
32	37	6.629	6.547	0.082
52	44	6.597	6.292	0.305
52	45	6.617	6.414	0.203
52	46	6.633	6.389	0.244
52	47	6.625	6.326	0.299
52	49	6.644	6.384	0.260
102	78	6.593	6.299	0.294
102	79	6.621	6.489	0.133
102	80	6.617	6.298	0.319
102	81	6.629	6.457	0.172
102	83	6.611	6.469	0.142
152	90	6.664	6.446	0.218
152	91	6.643	6.456	0.188
152	93	6.618	6.436	0.181
152	95	6.621	6.426	0.195
152	96	6.654	6.467	0.187
Max		6.716	6.748	0.360
Average		6.626	6.495	0.131
Min		6.557	6.275	-0.191
Std Dev		0.028	0.113	0.113



7651.1_SYNC_FaTm *VIN7p0												
Test Site	1											
Tester	ETS364											
Test Number	EF823401											
Max Limit	15.5	NS										
Min Limit		NS										
krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased	150 bias	150 unbiased
LL	6.504	6.275	6.401	6.415	6.432	6.322	6.404	6.292	6.393	6.298	6.422	6.426
Min	6.546	6.356	6.545	6.469	6.522	6.454	6.513	6.361	6.580	6.402	6.458	6.446
Average	6.594	6.447	6.613	6.521	6.590	6.509	6.557	6.414	6.748	6.489	6.483	6.467
Max	15.500	15.500	15.500	15.500	15.500	15.500	15.500	15.500	15.500	15.500	15.500	15.500
UL												

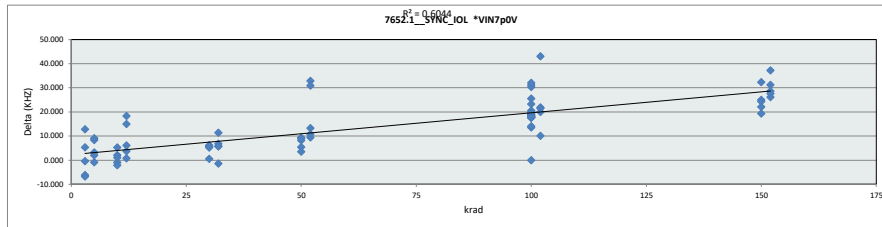




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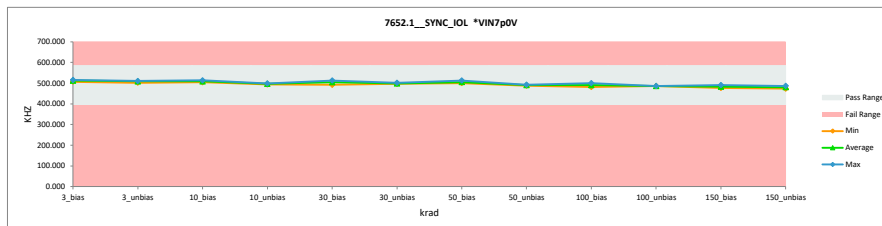
		7652.1_SYNC_IOL *VIN7p0V	
Test Site	1	1	
Tester	ETS364	ETS364	
Test Number	EF823401	EF823401	
Unit	KHZ	KHZ	
Max Limit	585	585	
Min Limit	395	395	

krad	Serial #	Pre Total	Post Total	Delta
3	1	507.785	514.002	-6.218
3	2	512.059	506.807	5.252
3	3	514.423	514.852	-0.429
3	4	523.001	510.269	12.732
3	5	505.868	512.680	-6.812
10	15	514.301	512.245	2.056
10	16	512.217	513.192	-0.975
10	17	504.528	506.702	-2.173
10	18	507.332	506.320	1.012
10	20	509.213	504.008	5.205
30	27	512.777	507.601	5.176
30	28	511.867	505.728	6.139
30	29	511.646	505.766	5.879
30	30	491.917	491.404	0.513
30	32	518.179	512.549	5.630
50	39	501.964	496.589	5.375
50	40	504.610	496.472	8.138
50	41	510.663	501.340	9.323
50	42	504.526	501.068	3.458
50	43	506.200	497.269	8.931
100	51	510.852	497.365	13.488
100	52	511.890	480.792	31.108
100	53	514.152	495.841	18.311
100	54	512.551	494.664	17.888
100	55	511.769	492.868	18.901
100	56	510.241	489.750	20.491
100	57	506.632	486.804	19.827
100	58	515.875	496.182	19.693
100	59	508.986	490.405	18.581
100	60	512.615	494.404	18.211
100	61	518.555	499.324	19.232
100	62	506.947	488.271	18.676
100	64	518.892	495.686	23.206
100	66	511.409	493.825	17.584
100	67	515.506	497.909	17.598
100	69	506.693	489.115	17.578
100	71	512.498	482.224	30.275
100	72	507.698	482.206	25.492
100	73	496.147	482.142	14.005
100	74	500.398	482.721	17.677
100	75	514.242	482.206	32.036
100	76	496.117	496.182	-0.065
150	84	499.478	480.216	19.262
150	86	508.479	483.532	24.947
150	87	509.185	476.918	32.267
150	88	506.812	482.520	24.292
150	89	512.364	490.322	22.042
5	8	505.186	502.051	3.135
5	10	518.550	510.257	8.294
5	11	512.171	510.202	1.969
5	12	519.337	510.292	9.045
5	14	508.794	509.721	-0.927
12	22	497.568	496.843	0.725
12	23	500.736	497.048	3.689
12	24	502.761	496.682	6.079
12	25	513.160	498.230	14.930
12	26	511.890	493.609	18.281
32	33	511.336	504.593	6.743
32	34	512.745	507.009	5.736
32	35	511.670	500.366	11.303
32	36	506.053	500.392	5.661
32	37	510.793	512.277	-1.484
52	44	500.732	491.396	9.336
52	45	500.707	487.469	13.238
52	46	519.879	487.075	32.804
52	47	502.819	492.148	10.671
52	49	522.849	491.989	30.860
102	78	528.322	485.328	42.994
102	79	495.965	485.896	10.069
102	80	507.205	485.375	21.830
102	81	507.311	485.834	21.477
102	83	505.976	486.067	19.909
152	90	514.873	486.323	28.550
152	91	504.391	473.220	31.170
152	93	507.052	480.989	26.063
152	95	512.099	474.968	37.131
152	96	513.428	485.897	27.530
Max		528.322	514.852	42.994
Average		509.454	495.465	13.989
Min		491.917	473.220	-6.812
Std Dev		6.670	10.693	11.106



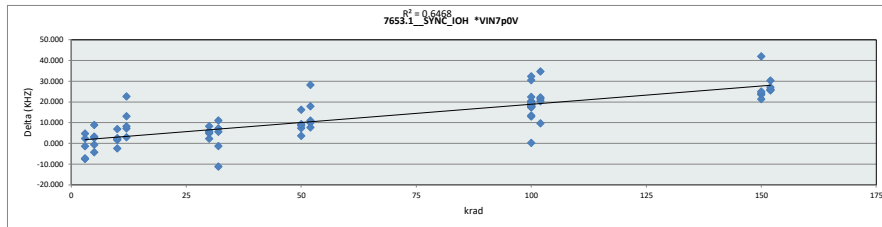
		7652.1_SYNC_IOL *VIN7p0V	
Test Site	1	1	
Tester	ETS364	ETS364	
Test Number	EF823401	EF823401	
Max Limit	585	KHZ	
Min Limit	395	KHZ	

krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias	150 bias	150 unbias
LL	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000
Min	506.807	502.051	504.008	493.609	491.404	496.472	500.366	487.075	480.782	485.328	476.918	473.220
Average	511.722	508.505	508.493	496.482	504.610	498.547	504.927	490.016	490.494	485.700	482.701	480.279
Max	514.852	510.292	513.192	498.230	512.549	501.340	512.277	492.148	499.324	486.067	490.322	486.323
UL	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000

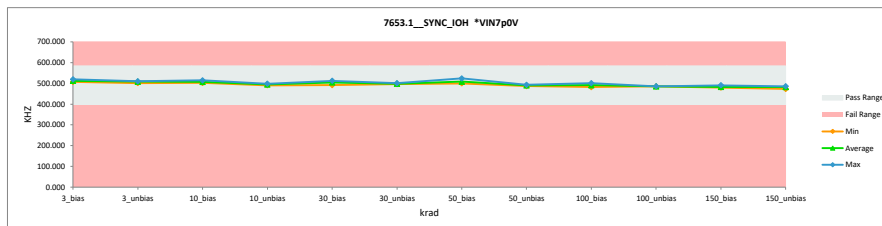


HDR TID Report  
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7653.1_SYNC_IQH *VIN7p0V				
Test Site	1	1		
Tester	ETS364	ETS364		
Test Number	EF823401	EF823401		
Unit	KHZ	KHZ		
Max Limit	585	585		
Min Limit	395	395		
krad	Serial #	Pre Total	Post Total	Delta
3	1	504.497	512.029	-7.532
3	2	512.198	519.466	-7.267
3	3	513.703	509.007	4.696
3	4	518.266	515.981	2.285
3	5	505.937	507.348	-1.411
10	15	514.337	512.315	2.022
10	16	512.240	514.690	-2.451
10	17	504.041	502.412	1.630
10	18	507.516	505.036	2.481
10	20	509.639	502.757	6.882
30	27	512.462	507.604	4.858
30	28	514.082	505.866	8.216
30	29	511.283	505.773	5.510
30	30	493.909	491.672	2.238
30	32	518.434	512.577	5.857
50	39	503.823	496.534	7.289
50	40	505.082	496.521	8.562
50	41	510.372	501.127	9.245
50	42	504.390	500.811	3.579
50	43	513.425	497.203	16.222
100	51	513.887	509.934	12.953
100	52	511.372	497.922	13.450
100	53	516.087	496.447	19.640
100	54	512.484	494.585	17.899
100	55	512.009	492.891	19.119
100	56	510.348	490.017	20.331
100	57	506.826	486.646	20.180
100	58	515.998	496.064	19.934
100	59	508.501	489.726	18.776
100	60	512.634	494.206	18.428
100	61	518.576	499.240	19.336
100	62	506.940	488.394	18.545
100	64	513.457	496.120	17.337
100	66	511.394	493.797	17.597
100	67	515.714	498.039	17.675
100	69	506.648	488.937	17.711
100	71	512.548	482.067	30.481
100	72	504.460	482.083	22.378
100	73	501.216	482.107	19.109
100	74	500.025	482.258	17.767
100	75	514.432	482.083	32.349
100	76	496.264	496.064	0.200
150	84	505.105	481.617	23.488
150	86	522.012	480.028	41.984
150	87	501.146	479.799	21.347
150	88	507.344	483.164	24.179
150	89	515.868	490.892	24.976
5	8	505.129	501.900	3.229
5	10	505.594	509.875	-4.281
5	11	512.362	509.731	2.631
5	12	519.186	510.325	8.861
5	14	508.856	509.537	-0.681
12	22	500.132	497.222	2.910
12	23	500.795	493.638	7.157
12	24	501.624	493.425	8.198
12	25	513.526	490.913	22.613
12	26	511.857	498.798	13.059
32	33	511.565	504.390	7.175
32	34	512.858	524.091	-11.233
32	35	511.318	500.337	10.980
32	36	505.898	500.349	5.549
32	37	510.872	512.224	-1.353
52	44	500.931	493.263	7.668
52	45	496.855	486.974	9.881
52	46	505.294	487.417	17.877
52	47	502.653	491.707	10.945
52	49	520.084	491.925	28.159
102	78	519.878	485.198	34.680
102	79	495.795	486.129	9.666
102	80	507.375	485.941	21.434
102	81	507.826	485.688	22.138
102	83	505.860	485.571	20.290
152	90	515.376	485.075	30.301
152	91	498.716	473.177	25.540
152	93	506.752	480.879	25.873
152	95	511.714	485.688	26.027
152	96	513.091	486.001	27.090
Max		522.012	524.091	41.984
Average		509.126	495.977	13.149
Min		493.909	473.177	-11.233
Std Dev		6.224	10.875	10.829

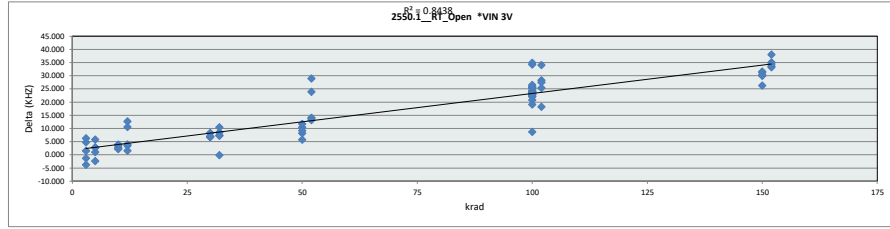


7653.1_SYNC_IQH *VIN7p0V												
Test Site	1											
Tester	ETS364											
Test Number	EF823401											
Max Limit	585	KHZ										
Min Limit	395	KHZ										
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias	150 bias	150 unbias
LL	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000
Min	507.348	501.900	502.412	490.913	491.672	496.521	500.338	486.974	482.067	485.199	479.799	473.177
Average	512.766	508.274	507.442	494.799	504.699	498.439	508.278	490.257	491.392	485.705	483.100	482.164
Max	519.466	510.325	514.690	498.798	512.577	501.127	524.091	493.263	500.934	486.129	490.892	486.001
UL	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000

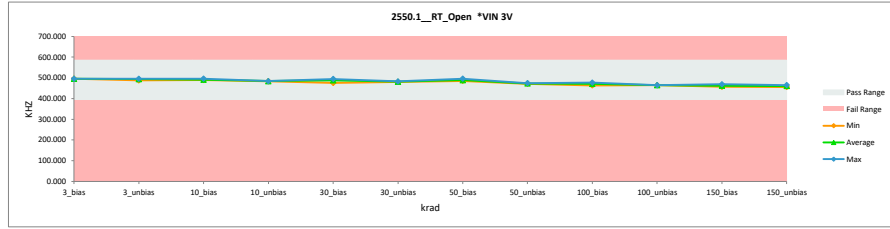


HDR TID Report  
TPS50601A-SP

2550.1_RT_Open *VIN 3V				
Test Site	1	1		
Tester	ETS364	ETS364		
Test Number	EF823401	EF823401		
Unit	KHZ	KHZ		
Max Limit	585	585		
Min Limit	395	395		
krad	Serial #	Pre Total	Post Total	Delta
3	1	493.874	495.192	-1.318
3	2	496.727	495.244	1.483
3	3	499.976	495.227	4.748
3	4	501.500	495.233	6.268
3	5	491.551	495.324	-3.772
10	15	498.456	496.105	2.351
10	16	496.693	492.789	3.903
10	17	492.077	489.201	2.876
10	18	492.987	489.350	3.637
10	20	491.518	489.331	2.187
30	27	498.865	492.072	6.794
30	28	500.529	492.239	8.290
30	29	494.251	487.328	6.923
30	30	481.799	475.090	6.709
30	32	501.596	494.593	7.003
50	39	485.819	480.099	5.721
50	40	490.430	480.020	10.410
50	41	494.131	482.425	11.705
50	42	490.300	482.157	8.143
50	43	489.573	480.399	9.174
100	51	497.662	475.021	22.641
100	52	496.854	471.351	25.504
100	53	498.084	473.807	24.277
100	54	495.917	472.616	23.301
100	55	494.525	470.785	23.740
100	56	494.284	469.232	25.052
100	57	491.985	465.999	25.986
100	58	498.493	474.433	24.060
100	59	495.246	471.515	23.732
100	60	495.507	473.436	22.071
100	61	500.394	476.596	23.798
100	62	492.072	469.055	23.016
100	64	502.536	476.942	25.594
100	66	495.474	473.353	22.121
100	67	498.500	475.331	22.968
100	69	492.277	471.529	20.748
100	71	497.602	463.363	34.238
100	72	489.812	463.326	26.486
100	73	482.516	463.437	19.079
100	74	486.155	463.281	22.873
100	75	498.200	463.326	34.874
100	76	483.121	474.433	8.688
150	84	487.196	460.935	26.261
150	86	492.831	461.553	31.278
150	87	488.224	456.688	31.536
150	88	493.252	462.914	30.338
150	89	498.940	468.979	29.960
5	8	490.183	487.450	2.732
5	10	496.287	495.270	1.017
5	11	497.582	494.789	2.793
5	12	501.096	495.305	5.791
5	14	493.087	495.492	-2.405
12	22	487.449	483.993	3.456
12	23	485.434	483.878	1.557
12	24	487.808	483.896	3.912
12	25	496.474	483.805	12.669
12	26	494.380	483.871	10.509
32	33	496.718	488.241	8.476
32	34	496.328	488.932	7.396
32	35	495.741	485.327	10.415
32	36	492.644	485.416	7.229
32	37	495.933	496.071	-0.138
52	44	487.700	473.825	13.876
52	45	485.276	471.243	14.033
52	46	495.243	471.354	23.889
52	47	487.159	474.020	13.140
52	49	503.268	474.359	28.909
102	78	498.302	464.289	34.013
102	79	482.866	464.670	18.196
102	80	492.716	464.492	28.224
102	81	489.883	464.545	25.338
102	83	491.971	464.520	27.451
152	90	499.486	461.506	37.980
152	91	488.887	455.690	33.196
152	93	493.367	459.763	33.603
152	95	495.896	460.861	35.035
152	96	499.568	465.138	34.430
Max		503.268	496.105	37.980
Average		493.754	477.466	16.288
Min		481.799	455.690	-3.772
Std Dev		5.099	12.001	11.634

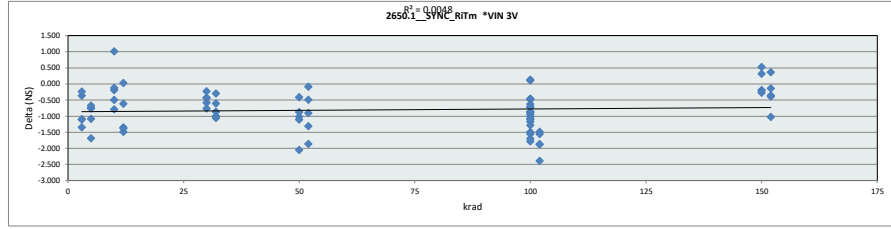


2550.1_RT_Open *VIN 3V													
Test Site	1												
Tester	ETS364												
Test Number	EF823401												
Max Limit	585												
Min Limit	395												
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias	150 bias	150 unbias	
LL	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	
Min	495.192	487.450	489.201	483.805	475.090	480.020	485.327	471.243	463.281	464.289	456.688	455.690	
Average	495.244	493.661	491.355	483.889	488.264	481.020	488.797	472.960	470.562	464.503	462.214	460.592	
Max	495.324	495.492	496.106	483.994	494.593	482.425	496.071	474.359	476.942	464.670	468.979	465.138	
UL	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	

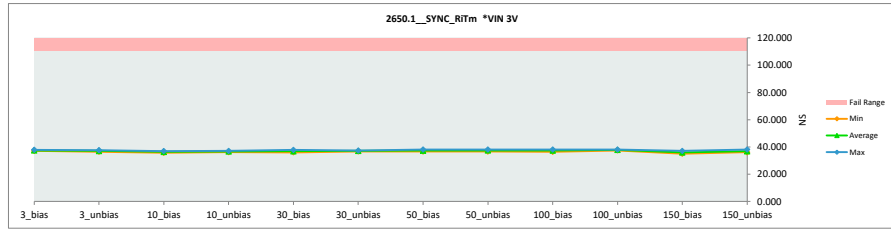


HDR TID Report  
TPS50601A-SP

2650.1_SYNC_RITm *VIN 3V				
Test Site	1	1		
Tester	ETS364	ETS364		
Test Number	EF823401	EF823401		
Unit	NS	NS		
Max Limit	111	111		
Min Limit				
krad	Serial #	Pre Total	Post Total	Delta
3	1	36.790	37.895	-1.105
3	2	37.515	37.881	-0.366
3	3	36.252	37.347	-1.094
3	4	36.923	37.160	-0.237
3	5	35.784	37.131	-1.347
10	15	36.430	36.624	-0.194
10	16	36.169	36.959	-0.790
10	17	35.800	35.923	-0.123
10	18	36.698	35.687	1.012
10	20	36.053	36.549	-0.497
30	27	36.232	36.814	-0.582
30	28	36.085	36.513	-0.427
30	29	36.690	36.921	-0.231
30	30	35.638	36.076	-0.438
30	32	37.043	37.894	-0.761
50	39	36.210	37.085	-0.875
50	40	36.319	37.335	-1.016
50	41	35.889	36.998	-1.109
50	42	36.334	36.748	-0.414
50	43	35.130	37.180	-2.050
100	51	36.619	37.508	-0.889
100	52	36.824	37.770	-0.946
100	53	36.200	37.371	-1.171
100	54	36.534	37.258	-0.725
100	55	36.222	37.778	-1.555
100	56	36.606	37.889	-1.283
100	57	36.347	38.132	-1.785
100	58	35.775	36.401	-0.625
100	59	36.696	37.180	-0.484
100	60	36.397	37.264	-0.867
100	61	36.324	37.195	-0.871
100	62	36.195	37.213	-1.018
100	64	37.064	37.526	-0.463
100	66	36.875	37.979	-1.103
100	67	36.264	37.353	-1.089
100	69	37.429	37.323	0.106
100	71	36.560	37.265	-0.705
100	72	35.886	37.588	-1.701
100	73	35.604	37.104	-1.499
100	74	36.412	36.872	-0.460
100	75	36.081	37.588	-1.507
100	76	36.531	36.401	0.131
150	84	34.859	35.054	-0.194
150	86	36.508	35.981	0.527
150	87	36.034	35.719	0.315
150	88	35.945	36.150	-0.205
150	89	36.786	37.061	-0.275
5	8	35.766	36.507	-0.741
5	10	36.501	37.264	-0.763
5	11	35.954	37.642	-1.688
5	12	36.316	36.985	-0.670
5	14	35.693	36.779	-1.086
12	22	35.485	36.837	-1.352
12	23	35.632	37.121	-1.490
12	24	35.384	36.762	-1.378
12	25	36.948	36.918	0.030
12	26	35.568	36.182	-0.614
32	33	36.382	37.437	-1.055
32	34	37.091	38.093	-1.002
32	35	36.710	37.009	-0.299
32	36	36.593	37.199	-0.606
32	37	35.738	36.603	-0.865
52	44	36.805	37.710	-0.906
52	45	36.167	37.479	-1.313
52	46	36.922	37.415	-0.493
52	47	36.309	38.171	-1.862
52	49	36.495	36.583	-0.088
102	78	35.719	38.105	-2.386
102	79	36.185	38.054	-1.870
102	80	35.976	37.460	-1.484
102	81	35.987	37.862	-1.875
102	83	36.399	37.957	-1.557
152	90	37.071	38.095	-1.024
152	91	36.775	37.165	-0.391
152	93	36.384	36.522	-0.138
152	95	36.007	36.365	-0.358
152	96	36.448	36.084	0.364
	Max	37.515	38.171	1.012
	Average	36.298	37.103	-0.805
	Min	34.859	35.054	-2.386
	Std Dev	0.504	0.656	0.638

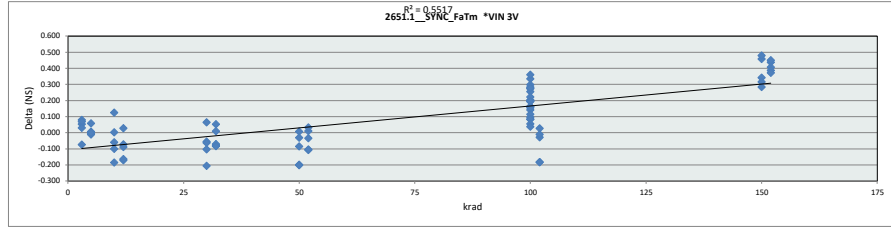


2650.1_SYNC_RITm *VIN 3V												
Test Site	1											
Tester	ETS364											
Test Number	EF823401											
Max Limit	111	NS										
Min Limit	NS											
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias	150 bias	150 unbias
LL												
Min	37.131	36.508	35.687	36.182	36.076	36.748	36.603	36.583	36.401	37.460	35.054	36.085
Average	37.483	37.036	36.348	36.764	36.825	37.069	37.268	37.472	37.362	37.888	35.993	36.846
Max	37.895	37.642	36.959	37.122	37.804	37.335	38.093	38.171	38.132	38.105	37.061	38.095
UL	111.000	111.000	111.000	111.000	111.000	111.000	111.000	111.000	111.000	111.000	111.000	111.000

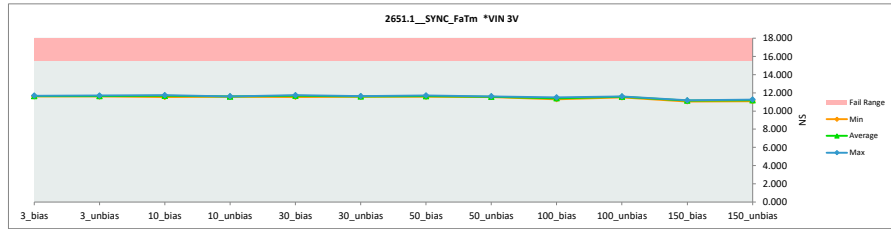


HDR TID Report  
TPS50601A-SP

2651.1_SYNC_FaTm *VIN 3V				
Test Site	1	1		
Tester	ETS364	ETS364		
Test Number	EF823401	EF823401		
Unit	NS	NS		
Max Limit	15.5	15.5		
Min Limit				
krad	Serial #	Pre Total	Post Total	Delta
3	1	11.722	11.644	0.079
3	2	11.706	11.653	0.053
3	3	11.703	11.634	0.069
3	4	11.649	11.620	0.030
3	5	11.622	11.696	-0.074
10	15	11.645	11.705	-0.061
10	16	11.674	11.550	0.124
10	17	11.636	11.634	0.001
10	18	11.639	11.740	-0.101
10	20	11.561	11.747	-0.186
30	27	11.686	11.742	-0.056
30	28	11.618	11.554	0.064
30	29	11.569	11.673	-0.103
30	30	11.504	11.710	-0.206
30	32	11.680	11.744	-0.064
50	39	11.633	11.642	-0.199
50	40	11.560	11.645	-0.086
50	41	11.586	11.579	0.006
50	42	11.536	11.567	-0.031
50	43	11.405	11.607	-0.202
100	51	11.562	11.479	0.083
100	52	11.664	11.330	0.334
100	53	11.621	11.324	0.297
100	54	11.577	11.415	0.162
100	55	11.612	11.410	0.202
100	56	11.632	11.432	0.200
100	57	11.501	11.406	0.095
100	58	11.631	11.358	0.273
100	59	11.617	11.456	0.162
100	60	11.561	11.306	0.255
100	61	11.693	11.333	0.359
100	62	11.573	11.432	0.141
100	64	11.682	11.489	0.193
100	66	11.684	11.401	0.282
100	67	11.613	11.500	0.114
100	69	11.650	11.374	0.276
100	71	11.674	11.452	0.221
100	72	11.476	11.393	0.083
100	73	11.542	11.487	0.054
100	74	11.518	11.481	0.036
100	75	11.587	11.393	0.194
100	76	11.512	11.358	0.154
150	84	11.509	11.168	0.341
150	86	11.517	11.060	0.457
150	87	11.450	11.167	0.283
150	88	11.494	11.179	0.314
150	89	11.650	11.172	0.478
5	8	11.581	11.593	-0.012
5	10	11.708	11.702	0.006
5	11	11.692	11.635	0.057
5	12	11.679	11.684	-0.005
5	14	11.619	11.621	-0.002
12	22	11.391	11.562	-0.171
12	23	11.512	11.584	-0.073
12	24	11.499	11.588	-0.089
12	25	11.654	11.626	0.027
12	26	11.438	11.602	-0.164
32	33	11.622	11.571	0.052
32	34	11.636	11.717	-0.081
32	35	11.621	11.612	0.009
32	36	11.552	11.624	-0.071
32	37	11.559	11.643	-0.084
52	44	11.566	11.601	-0.035
52	45	11.444	11.551	-0.108
52	46	11.557	11.548	0.010
52	47	11.472	11.576	-0.104
52	49	11.658	11.626	0.032
102	78	11.596	11.570	0.026
102	79	11.439	11.623	-0.184
102	80	11.544	11.573	-0.029
102	81	11.386	11.570	-0.183
102	83	11.496	11.507	-0.011
152	90	11.608	11.202	0.406
152	91	11.477	11.090	0.386
152	93	11.558	11.122	0.437
152	95	11.637	11.266	0.371
152	96	11.671	11.222	0.449
Max		11.722	11.747	0.478
Average		11.582	11.505	0.077
Min		11.386	11.060	-0.206
Std Dev		0.084	0.174	0.182

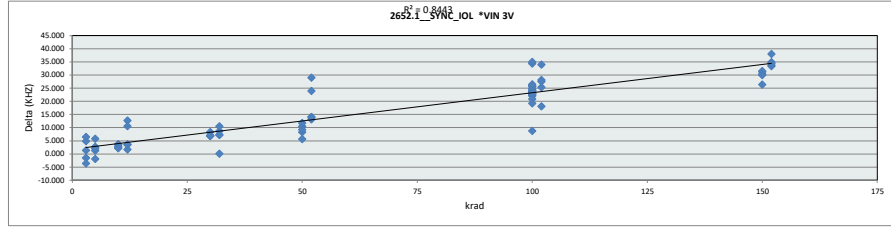


2651.1_SYNC_FaTm *VIN 3V												
Test Site	1											
Tester	ETS364											
Test Number	EF823401											
Max Limit	15.5	NS										
Min Limit		NS										
krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased	150 bias	150 unbiased
LL												
Min	11.620	11.593	11.550	11.562	11.554	11.567	11.571	11.548	11.306	11.507	11.060	11.090
Average	11.649	11.647	11.675	11.593	11.685	11.608	11.633	11.580	11.410	11.568	11.149	11.180
Max	11.696	11.702	11.747	11.626	11.744	11.645	11.717	11.626	11.500	11.623	11.179	11.266
UL	15.500	15.500	15.500	15.500	15.500	15.500	15.500	15.500	15.500	15.500	15.500	15.500

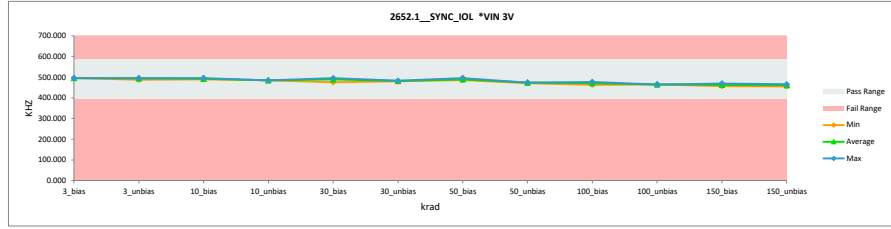


HDR TID Report  
TPS50601A-SP

2652.1_SYNC_IOL *VIN 3V				
Test Site	1	1		
Tester	ETS364	ETS364		
Test Number	EF823401	EF823401		
Unit	KHZ	KHZ		
Max Limit	585	585		
Min Limit	395	395		
krad	Serial #	Pre Total	Post Total	Delta
3	1	493.855	495.412	-1.557
3	2	496.604	495.291	1.313
3	3	499.949	495.112	4.837
3	4	501.644	495.227	6.416
3	5	491.558	495.196	-3.638
10	15	498.430	496.011	2.419
10	16	496.580	492.928	3.652
10	17	492.045	489.283	2.761
10	18	492.883	489.453	3.431
10	20	491.434	489.350	2.084
30	27	498.989	492.101	6.888
30	28	500.680	492.377	8.303
30	29	494.292	487.315	6.977
30	30	481.842	475.057	6.786
30	32	501.546	494.660	6.886
50	39	485.710	480.094	5.616
50	40	490.384	479.912	10.472
50	41	494.177	482.449	11.727
50	42	490.397	482.146	8.251
50	43	489.650	480.458	9.192
100	51	497.608	475.052	22.556
100	52	496.878	471.300	25.578
100	53	497.947	473.874	24.073
100	54	495.798	472.584	23.214
100	55	494.314	470.848	23.466
100	56	494.209	469.361	24.849
100	57	492.072	466.117	25.956
100	58	498.627	474.355	24.272
100	59	495.335	471.432	23.902
100	60	495.536	473.370	22.167
100	61	500.442	476.588	23.854
100	62	492.114	469.091	23.023
100	64	502.477	476.804	25.673
100	66	495.453	473.434	22.020
100	67	498.590	475.686	22.904
100	69	492.232	471.425	20.807
100	71	497.671	463.365	34.306
100	72	489.741	463.307	26.434
100	73	482.413	463.244	19.169
100	74	486.148	463.245	22.903
100	75	498.257	463.307	34.950
100	76	483.088	474.355	8.734
150	84	487.280	460.951	26.328
150	86	492.769	461.594	31.174
150	87	488.083	456.666	31.417
150	88	493.150	462.838	30.312
150	89	498.983	469.057	29.925
5	8	490.163	487.452	2.711
5	10	496.397	495.179	1.218
5	11	497.421	495.399	2.021
5	12	501.057	495.307	5.750
5	14	493.202	495.131	-1.929
12	22	487.375	483.928	3.446
12	23	485.494	483.849	1.645
12	24	487.689	484.088	3.601
12	25	496.555	483.900	12.655
12	26	494.335	483.809	10.526
32	33	496.766	488.079	8.687
32	34	496.339	489.120	7.220
32	35	495.781	485.328	10.454
32	36	492.650	485.428	7.221
32	37	495.986	495.940	0.045
52	44	487.680	473.774	13.906
52	45	485.268	471.236	14.033
52	46	495.175	471.300	23.875
52	47	487.105	474.000	13.105
52	49	503.269	474.333	28.936
102	78	498.328	464.419	33.908
102	79	482.702	464.661	18.040
102	80	492.640	464.585	28.055
102	81	489.814	464.518	25.295
102	83	491.994	464.527	27.467
152	90	499.519	461.582	37.936
152	91	488.995	455.664	33.331
152	93	493.474	459.793	33.681
152	95	495.840	460.992	34.848
152	96	499.591	465.224	34.367
Max	503.269	496.011	37.936	
Average	493.746	477.476	16.270	
Min	481.842	455.664	-3.638	
Std Dev	5.118	12.006	11.630	

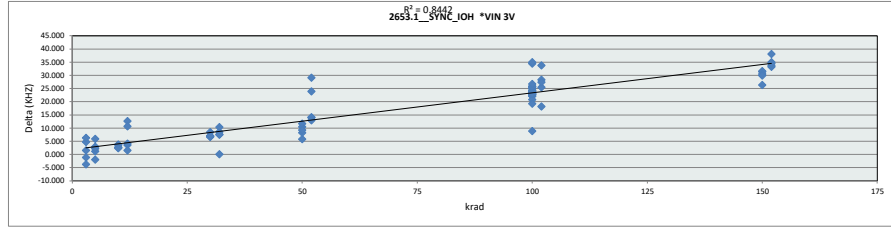


2652.1_SYNC_IOL *VIN 3V													
Test Site	1												
Tester	ETS364												
Test Number	EF823401												
Max Limit	585	KHZ											
Min Limit	395	KHZ											
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias	150 bias	150 unbias	
LL	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	
Min	495.112	487.452	489.283	483.809	475.057	479.912	485.328	471.236	463.244	464.419	456.666	455.664	
Average	495.248	493.694	491.405	483.915	488.302	481.012	488.779	472.929	470.552	464.542	462.221	460.651	
Max	495.412	495.399	496.011	484.088	494.660	482.450	495.941	474.333	476.804	464.662	469.057	465.224	
UL	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	

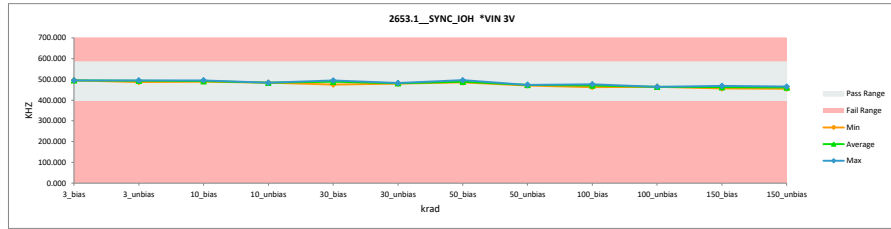


HDR TID Report  
TPS50601A-SP

2653.1_SYNC_IQH *VIN 3V				
Test Site	1	1		
Tester	ETS364	ETS364		
Test Number	EF823401	EF823401		
Unit	KHZ	KHZ		
Max Limit	585	585		
Min Limit	395	395		
krad	Serial #	Pre Total	Post Total	Delta
3	1	493.980	495.169	-1.190
3	2	496.719	495.211	1.508
3	3	499.942	495.225	4.717
3	4	501.626	495.357	6.269
3	5	491.569	495.351	-3.782
10	15	498.441	495.815	2.626
10	16	496.688	493.020	3.668
10	17	492.080	489.403	2.677
10	18	492.905	489.290	3.615
10	20	491.591	489.280	2.311
30	27	498.836	492.035	6.802
30	28	500.733	492.278	8.455
30	29	494.256	487.378	6.879
30	30	481.736	475.124	6.612
30	32	501.683	494.633	7.050
50	39	485.845	480.075	5.771
50	40	490.421	479.996	10.425
50	41	494.117	482.458	11.659
50	42	490.431	482.246	8.184
50	43	489.654	480.451	9.203
100	51	497.703	474.931	22.772
100	52	496.861	471.380	25.481
100	53	498.132	473.857	24.275
100	54	495.686	472.660	23.026
100	55	494.359	470.757	23.602
100	56	494.314	469.262	25.052
100	57	492.062	466.179	25.883
100	58	498.619	474.280	24.339
100	59	495.178	471.567	23.610
100	60	495.524	473.398	22.126
100	61	500.353	476.959	23.758
100	62	492.074	469.080	22.994
100	64	502.671	476.959	25.712
100	66	495.535	473.454	22.081
100	67	498.272	475.644	22.629
100	69	492.241	471.488	20.753
100	71	497.636	463.241	34.394
100	72	489.991	463.297	26.694
100	73	482.537	463.329	19.208
100	74	486.127	463.225	22.902
100	75	498.228	463.297	34.932
100	76	483.089	474.280	8.809
150	84	487.261	460.945	26.317
150	86	492.927	461.579	31.349
150	87	488.132	456.601	31.531
150	88	493.283	462.816	30.466
150	89	498.861	468.982	29.878
5	8	490.288	487.401	2.887
5	10	496.361	495.189	1.172
5	11	497.548	495.355	2.193
5	12	501.176	495.303	5.872
5	14	493.138	495.130	-1.992
12	22	487.400	483.877	3.523
12	23	485.411	483.905	1.506
12	24	487.957	483.861	4.097
12	25	496.531	483.905	12.627
12	26	494.359	483.745	10.614
32	33	496.715	488.183	8.532
32	34	496.423	488.874	7.549
32	35	495.707	485.362	10.345
32	36	492.772	485.281	7.491
32	37	496.021	495.979	0.042
52	44	487.716	473.770	13.946
52	45	485.238	471.185	14.053
52	46	495.206	471.319	23.887
52	47	487.030	474.104	12.926
52	49	503.348	474.258	29.090
102	78	498.160	464.408	33.752
102	79	482.910	464.740	18.171
102	80	492.738	464.458	28.280
102	81	489.932	464.522	25.410
102	83	491.922	464.538	27.384
152	90	499.589	461.537	38.051
152	91	488.845	455.653	33.192
152	93	493.325	459.744	33.581
152	95	495.891	460.927	34.963
152	96	499.607	465.191	34.416
Max		503.348	495.979	38.051
Average		493.768	477.462	16.306
Min		481.736	455.653	-3.782
Std Dev		5.109	12.004	11.617

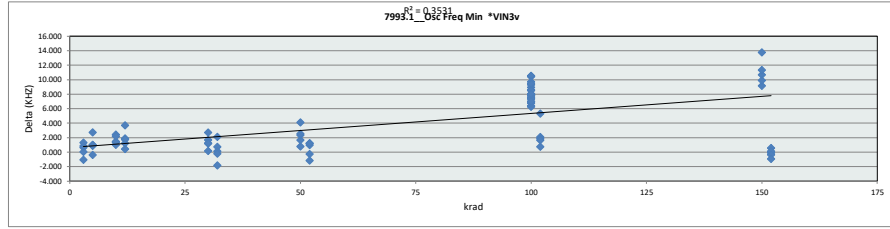


2653.1_SYNC_IQH *VIN 3V													
Test Site	1												
Tester	ETS364												
Test Number	EF823401												
Max Limit	585												
Min Limit	395												
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias	150 bias	150 unbias	
LL	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	
Min	495.169	487.401	489.280	483.745	475.124	479.996	485.281	471.185	463.225	464.408	456.601	455.653	
Average	495.263	493.675	491.362	483.858	488.289	481.045	488.736	472.927	470.553	464.533	462.185	460.611	
Max	495.357	495.355	495.815	483.905	494.633	482.458	495.979	474.258	476.959	464.740	468.982	465.191	
UL	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	

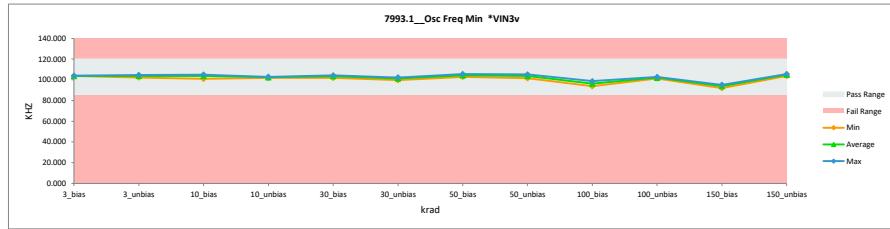


HDR TID Report  
TPS50601A-SP

7993.1_Osc Freq Min *VIN3v				
Test Site	1	1		
Tester	ETS364	ETS364		
Test Number	EF823401	EF823401		
Unit	KHZ	KHZ		
Max Limit	120	120		
Min Limit	85	85		
krad	Serial #	Pre Total	Post Total	Delta
3	1	102.865	103.926	-1.061
3	2	104.311	103.671	0.639
3	3	103.632	103.599	0.033
3	4	104.531	103.686	0.845
3	5	104.897	103.585	1.312
10	15	104.837	103.493	1.344
10	16	103.405	100.981	2.424
10	17	105.591	104.571	1.020
10	18	106.420	104.954	1.467
10	20	107.232	105.045	2.187
30	27	105.557	103.882	1.675
30	28	105.900	103.198	2.703
30	29	105.499	104.309	1.191
30	30	102.117	101.951	0.166
30	32	105.379	104.130	1.248
50	39	103.078	102.303	0.775
50	40	103.838	102.177	1.660
50	41	103.963	101.617	2.346
50	42	103.855	99.750	4.105
50	43	103.342	100.808	2.535
100	51	104.649	96.866	7.783
100	52	102.672	96.409	6.263
100	53	104.326	93.852	10.475
100	54	104.676	97.377	6.939
100	55	105.608	97.756	7.851
100	56	104.030	96.460	7.570
100	57	104.377	95.445	8.932
100	58	107.474	97.049	10.424
100	59	104.280	93.748	10.532
100	60	104.473	95.866	8.608
100	61	106.656	98.630	8.026
100	62	104.580	97.249	7.331
100	64	106.143	96.442	9.702
100	66	105.606	96.320	9.286
100	67	105.407	95.974	9.433
100	69	103.029	95.574	7.456
100	71	104.620	96.610	8.010
100	72	103.068	96.670	6.399
100	73	104.900	96.398	8.502
100	74	104.393	96.377	8.016
100	75	103.427	96.670	6.758
100	76	104.055	97.049	7.006
150	84	105.749	95.089	10.660
150	86	105.189	93.865	11.324
150	87	105.762	91.997	13.765
150	88	103.589	94.441	9.148
150	89	104.362	94.475	9.888
5	8	105.678	102.959	2.719
5	10	105.434	104.566	0.867
5	11	105.560	104.588	0.973
5	12	105.455	104.449	1.006
5	14	101.939	102.316	-0.377
12	22	103.353	102.916	0.437
12	23	103.595	102.364	1.231
12	24	104.540	102.637	1.902
12	25	106.032	102.342	3.690
12	26	103.648	101.916	1.732
32	33	103.633	102.900	0.733
32	34	103.484	103.353	0.131
32	35	103.622	105.460	-1.837
32	36	105.329	105.531	-0.201
32	37	106.170	104.072	2.099
52	44	102.512	101.542	0.970
52	45	104.769	105.034	-0.266
52	46	103.997	105.158	-1.161
52	47	103.923	102.700	1.223
52	49	105.250	104.042	1.207
102	78	106.624	101.298	5.326
102	79	104.739	102.653	2.086
102	80	103.195	101.341	1.853
102	81	103.116	102.373	0.743
102	83	104.102	102.455	1.647
152	90	104.311	103.736	0.575
152	91	105.442	105.549	-0.107
152	93	105.534	105.411	0.123
152	95	105.031	105.395	-0.364
152	96	103.695	104.617	-0.922
	Max	107.474	105.549	13.765
	Average	104.559	100.757	3.802
	Min	101.939	91.997	-1.837
	Std Dev	1.170	3.821	3.942



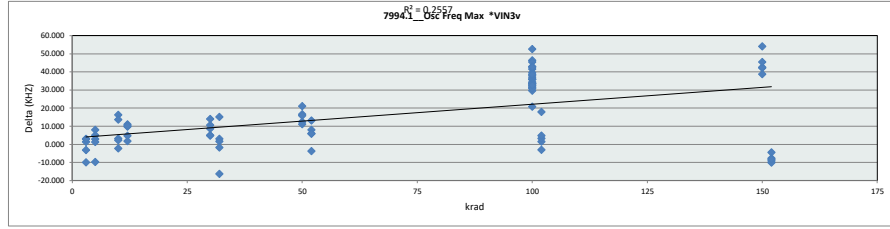
7993.1_Osc Freq Min *VIN3v												
Test Site	1											
Tester	ETS364											
Test Number	EF823401											
Max Limit	120	KHZ										
Min Limit	85	KHZ										
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias	150 bias	150 unbias
LL	85.000	85.000	85.000	85.000	85.000	85.000	85.000	85.000	85.000	85.000	85.000	85.000
Min	103.585	102.316	100.981	101.916	101.951	99.750	102.900	101.542	93.748	101.298	91.997	103.736
Average	103.693	103.776	103.809	102.435	103.494	101.331	104.263	103.695	96.416	102.024	93.973	104.942
Max	103.926	104.588	105.045	102.916	104.309	102.304	105.531	105.158	98.630	102.653	95.089	105.549
UL	120.000	120.000	120.000	120.000	120.000	120.000	120.000	120.000	120.000	120.000	120.000	120.000



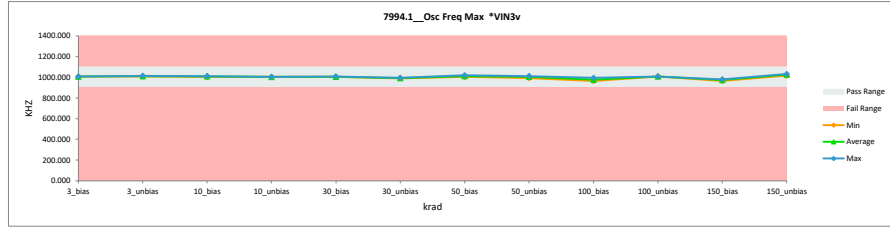


HDR TID Report  
TPS50601A-SP

		7994.1_Osc Freq Max *VIN3v		
Test Site	1	1		
Tester	ETS364	ETS364		
Test Number	EF823401	EF823401		
Unit	KHZ	KHZ		
Max Limit	1100	1100		
Min Limit	900	900		
krad	Serial #	Pre Total	Post Total	Delta
3	1	996.274	1006.239	-9.964
3	2	1008.097	1006.732	1.365
3	3	1003.988	1007.144	-3.156
3	4	1009.153	1006.119	3.034
3	5	1008.783	1005.879	2.903
10	15	1005.818	1008.055	-2.237
10	16	1005.827	1002.618	3.209
10	17	1013.293	1011.072	2.221
10	18	1027.239	1011.022	16.217
10	20	1024.246	1010.631	13.615
30	27	1014.167	1003.574	10.593
30	28	1022.231	1008.275	13.956
30	29	1010.475	1005.662	4.812
30	30	1007.829	1002.849	4.980
30	32	1014.143	1005.512	8.601
50	39	1007.296	989.836	12.460
50	40	1006.259	989.651	16.607
50	41	1009.544	993.729	15.815
50	42	1004.333	993.213	11.120
50	43	1012.898	991.831	21.067
100	51	1007.583	971.662	35.921
100	52	1010.943	977.424	33.519
100	53	1006.741	965.183	41.558
100	54	1015.485	982.192	33.293
100	55	1006.971	975.610	31.361
100	56	1002.976	973.384	29.592
100	57	1003.496	969.185	34.311
100	58	1026.583	990.780	35.803
100	59	1014.440	967.868	46.572
100	60	1010.210	978.068	32.141
100	61	1025.075	994.276	30.799
100	62	1015.081	981.409	33.672
100	64	1018.019	981.350	36.669
100	66	1016.275	976.810	39.466
100	67	1021.082	975.631	45.450
100	69	996.213	963.655	32.558
100	71	1012.663	969.695	42.968
100	72	1012.274	969.682	42.591
100	73	1022.965	970.412	52.553
100	74	1007.658	969.887	37.771
100	75	1008.212	969.682	38.530
100	76	1011.531	990.780	20.750
150	84	1018.590	979.860	38.730
150	86	1014.789	972.641	42.148
150	87	1019.111	965.052	54.059
150	88	1013.697	971.196	42.501
150	89	1020.422	975.004	45.418
5	8	1017.168	1014.253	2.915
5	10	1017.910	1009.915	7.995
5	11	1010.157	1008.904	1.253
5	12	1015.368	1010.349	5.019
5	14	998.365	1008.154	-9.789
12	22	1005.486	1003.729	1.757
12	23	1012.804	1003.048	9.755
12	24	1008.049	1003.285	4.764
12	25	1014.683	1003.643	11.041
12	26	1013.250	1002.976	10.273
32	33	1006.481	1003.437	3.044
32	34	1009.167	1007.532	1.635
32	35	1002.994	1019.339	-16.345
32	36	1017.087	1018.872	-1.785
32	37	1022.563	1007.416	15.147
52	44	1001.149	993.138	8.012
52	45	1016.693	1010.865	5.828
52	46	1007.765	1011.493	-3.728
52	47	1007.694	1001.778	5.916
52	49	1016.622	1003.515	13.107
102	78	1025.339	1007.451	17.888
102	79	1009.463	1007.978	1.485
102	80	1010.853	1007.618	3.234
102	81	1005.250	1008.309	-3.058
102	83	1012.880	1008.108	4.772
152	90	1010.786	1015.221	-4.435
152	91	1022.166	1029.907	-7.741
152	93	1021.392	1030.500	-9.108
152	95	1020.686	1030.780	-10.095
152	96	1016.027	1024.406	-8.379
	Max	1027.239	1030.780	54.059
	Average	1012.234	996.155	16.079
	Min	996.213	963.655	-16.345
	Std Dev	7.057	17.780	18.185



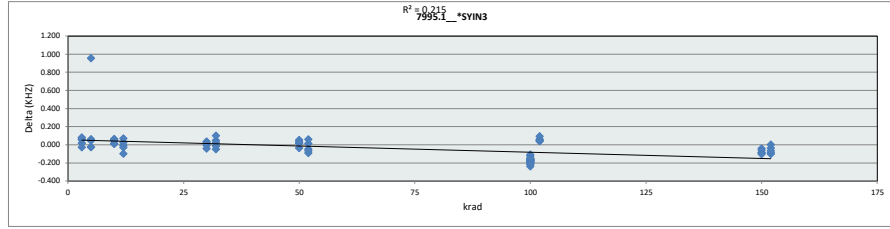
		7994.1_Osc Freq Max *VIN3v											
Test Site	1												
Tester	ETS364												
Test Number	EF823401												
Max Limit	1100	KHZ											
Min Limit	900	KHZ											
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias	150 bias	150 unbias	
LL	900.000	900.000	900.000	900.000	900.000	900.000	900.000	900.000	900.000	900.000	900.000	900.000	
Min	1005.879	1008.155	1002.618	1002.976	1002.849	989.651	1003.437	993.138	963.655	1007.451	965.052	1015.222	
Average	1006.423	1010.315	1008.680	1003.336	1005.175	991.652	1011.319	1004.158	975.665	1007.893	972.751	1026.163	
Max	1007.144	1014.253	1011.072	1003.729	1008.275	993.729	1019.339	1011.493	994.276	1008.309	979.860	1030.780	
UL	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	



HDR TID Report  
TPS50601A-SP

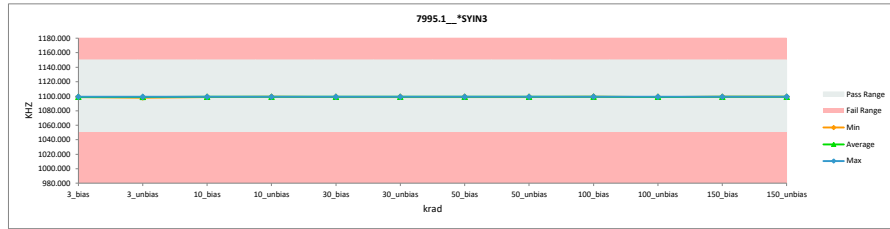
		7995.1 *SYN3	
Test Site		1	1
Tester		ETS364	ETS364
Test Number		EF823401	EF823401
Unit		KHZ	KHZ
Max Limit		1150	1150
Min Limit		1050	1050

krad	Serial #	Pre Total	Post Total	Delta
3	1	1099.133	1099.074	0.059
3	2	1099.127	1099.110	0.017
3	3	1099.133	1099.162	-0.029
3	4	1099.097	1099.038	0.059
3	5	1099.121	1099.041	0.079
10	15	1099.153	1099.090	0.063
10	16	1099.134	1099.082	0.052
10	17	1099.163	1099.153	0.009
10	18	1099.111	1099.067	0.045
10	20	1099.132	1099.120	0.013
30	27	1099.088	1099.094	-0.006
30	28	1099.166	1099.131	0.035
30	29	1099.140	1099.123	0.017
30	30	1099.097	1099.081	0.016
30	32	1099.106	1099.150	-0.043
50	39	1099.127	1099.114	0.013
50	40	1099.144	1099.181	-0.037
50	41	1099.137	1099.085	0.052
50	42	1099.154	1099.130	0.024
50	43	1099.168	1099.139	0.029
100	51	1099.100	1099.295	-0.195
100	52	1099.117	1099.283	-0.166
100	53	1099.127	1099.291	-0.164
100	54	1099.131	1099.324	-0.193
100	55	1099.136	1099.261	-0.125
100	56	1099.122	1099.301	-0.179
100	57	1099.129	1099.304	-0.174
100	58	1099.156	1099.330	-0.173
100	59	1099.108	1099.302	-0.194
100	60	1099.169	1099.279	-0.109
100	61	1099.133	1099.292	-0.159
100	62	1099.114	1099.296	-0.182
100	64	1099.130	1099.302	-0.173
100	66	1099.100	1099.339	-0.239
100	67	1099.127	1099.301	-0.175
100	69	1099.106	1099.317	-0.210
100	71	1099.122	1099.287	-0.164
100	72	1099.135	1099.284	-0.149
100	73	1099.120	1099.278	-0.158
100	74	1099.114	1099.274	-0.159
100	75	1099.092	1099.284	-0.192
100	76	1099.112	1099.330	-0.218
150	84	1099.148	1099.191	-0.043
150	86	1099.123	1099.212	-0.088
150	87	1099.109	1099.195	-0.086
150	88	1099.123	1099.183	-0.060
150	89	1099.116	1099.219	-0.103
5	8	1099.153	1099.093	0.060
5	10	1099.139	1099.094	0.045
5	11	1099.122	1099.146	-0.024
5	12	1099.100	1099.127	-0.027
5	14	1099.134	1098.180	0.954
12	22	1099.107	1099.116	-0.009
12	23	1099.097	1099.127	-0.031
12	24	1099.024	1099.123	-0.100
12	25	1099.144	1099.119	0.025
12	26	1099.178	1099.109	0.069
32	33	1099.048	1099.097	-0.049
32	34	1099.140	1099.092	0.048
32	35	1099.128	1099.105	0.023
32	36	1099.168	1099.069	0.100
32	37	1099.115	1099.129	-0.014
52	44	1099.102	1099.091	0.012
52	45	1099.107	1099.156	-0.049
52	46	1099.086	1099.178	-0.093
52	47	1099.134	1099.075	0.059
52	49	1099.088	1099.155	-0.066
102	78	1099.125	1099.086	0.040
102	79	1099.152	1099.099	0.053
102	80	1099.138	1099.098	0.040
102	81	1099.119	1099.059	0.060
102	83	1099.164	1099.071	0.093
152	90	1099.127	1099.230	-0.103
152	91	1099.147	1099.147	0.001
152	93	1099.120	1099.158	-0.038
152	95	1099.094	1099.184	-0.089
152	96	1099.105	1099.172	-0.067
Max		1099.178	1099.339	0.954
Average		1099.124	1099.161	-0.037
Min		1099.024	1098.180	-0.239
Std Dev		0.026	0.144	0.148



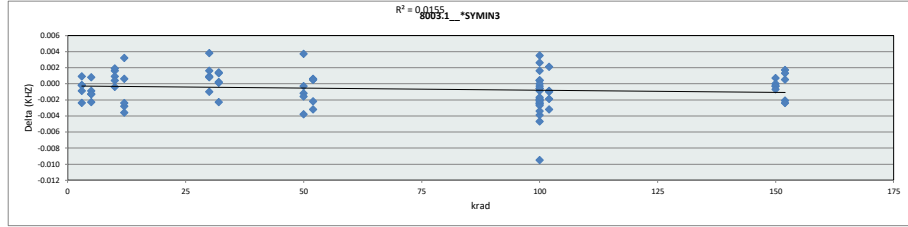
		7995.1 *SYN3	
Test Site		1	
Tester		ETS364	
Test Number		EF823401	
Max Limit		1150	KHZ
Min Limit		1050	KHZ

krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias	150 bias	150 unbias
LL	1050.000	1050.000	1050.000	1050.000	1050.000	1050.000	1050.000	1050.000	1050.000	1050.000	1050.000	1050.000
Min	1099.038	1098.180	1099.067	1099.109	1099.081	1099.085	1099.069	1099.075	1099.261	1099.059	1099.183	1099.147
Average	1099.085	1098.928	1099.102	1099.119	1099.116	1099.130	1099.098	1099.131	1099.298	1099.082	1099.200	1099.178
Max	1099.163	1099.146	1099.154	1099.127	1099.150	1099.181	1099.129	1099.178	1099.339	1099.100	1099.219	1099.230
UL	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000



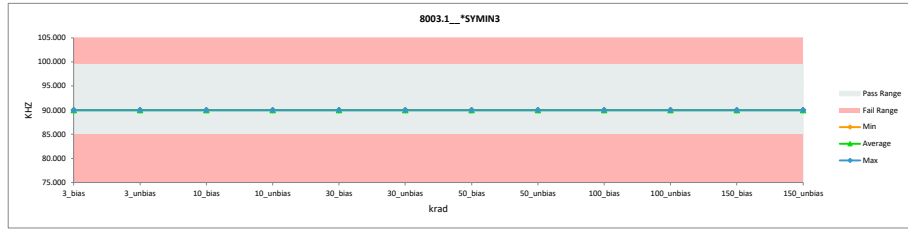
HDR TID Report  
TPS50601A-SP

8003.1_*SYMIN3				
Test Site	1	1		
Tester	ETS364	ETS364		
Test Number	EF823401	EF823401		
Unit	KHZ	KHZ		
Max Limit	99.5	99.5		
Min Limit	85	85		
krad	Serial #	Pre Total	Post Total	Delta
3	1	89.993	89.996	-0.002
3	2	89.994	89.994	0.000
3	3	89.994	89.995	-0.001
3	4	89.994	89.995	0.000
3	5	89.995	89.994	0.001
10	15	89.995	89.993	0.002
10	16	89.995	89.994	0.001
10	17	89.995	89.994	0.000
10	18	89.995	89.993	0.002
10	20	89.993	89.994	0.000
30	27	89.993	89.994	-0.001
30	28	89.994	89.993	0.001
30	29	89.995	89.994	0.002
30	30	89.999	89.995	0.004
30	32	89.995	89.994	0.001
50	39	89.993	89.993	0.000
50	40	89.993	89.994	-0.001
50	41	89.997	89.994	0.004
50	42	89.993	89.997	-0.004
50	43	89.993	89.995	-0.002
100	51	89.994	89.995	0.000
100	52	89.993	89.996	-0.002
100	53	89.995	89.995	0.000
100	54	89.993	89.995	-0.002
100	55	89.994	89.994	-0.001
100	56	89.995	89.999	-0.004
100	57	89.994	89.996	-0.002
100	58	89.993	89.996	-0.003
100	59	89.994	89.991	0.003
100	60	89.993	89.995	-0.003
100	61	89.995	89.995	0.000
100	62	89.994	89.990	0.004
100	64	89.994	90.004	-0.009
100	66	89.994	89.997	-0.003
100	67	89.993	89.998	-0.005
100	69	89.994	89.995	-0.001
100	71	89.996	89.996	0.000
100	72	89.993	89.995	-0.002
100	73	89.995	89.994	0.002
100	74	89.995	89.995	-0.001
100	75	89.993	89.995	-0.002
100	76	89.993	89.996	-0.003
150	84	89.996	89.995	0.001
150	86	89.995	89.995	0.000
150	87	89.994	89.995	0.000
150	88	89.994	89.994	0.000
150	89	89.993	89.994	-0.001
5	8	89.995	89.998	-0.002
5	10	89.994	89.995	-0.001
5	11	89.995	89.994	0.001
5	12	89.993	89.995	-0.001
5	14	89.994	89.995	-0.001
12	22	89.993	89.995	-0.003
12	23	89.994	89.998	-0.004
12	24	89.993	89.995	-0.002
12	25	89.994	89.993	0.001
12	26	89.995	89.992	0.003
32	33	89.993	89.992	0.001
32	34	89.994	89.994	0.000
32	35	89.994	89.992	0.001
32	36	89.992	89.994	-0.002
32	37	89.995	89.995	0.000
52	44	89.994	89.997	-0.003
52	45	89.995	89.994	0.000
52	46	89.994	89.994	0.001
52	47	89.994	89.996	-0.002
52	49	89.994	89.994	0.001
102	78	89.994	89.995	-0.001
102	79	89.995	89.993	0.002
102	80	89.992	89.995	-0.003
102	81	89.994	89.996	-0.002
102	83	89.994	89.995	-0.001
152	90	89.994	89.993	0.002
152	91	89.995	89.995	0.001
152	93	89.993	89.996	-0.002
152	95	89.995	89.994	0.001
152	96	89.992	89.994	-0.002
	Max	89.999	90.004	0.004
	Average	89.994	89.995	-0.001
	Min	89.992	89.990	-0.009
	Std Dev	0.001	0.002	0.002



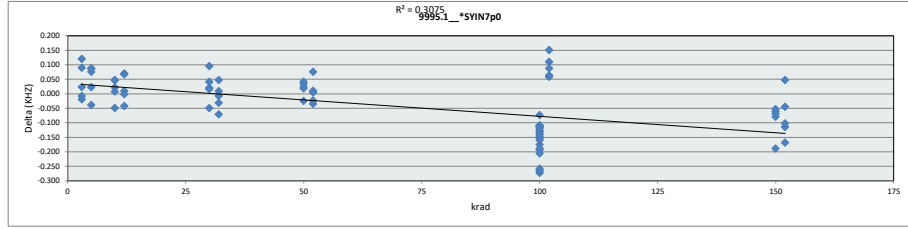
8003.1_*SYMIN3			
Test Site	1		
Tester	ETS364		
Test Number	EF823401		
Max Limit	99.5	KHZ	
Min Limit	85	KHZ	

krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased	150 bias	150 unbiased
LL	85.000	85.000	85.000	85.000	85.000	85.000	85.000	85.000	85.000	85.000	85.000	85.000
Min	89.994	89.994	89.993	89.992	89.993	89.993	89.992	89.994	89.990	89.993	89.994	89.993
Average	89.995	89.995	89.994	89.995	89.994	89.995	89.993	89.995	89.995	89.995	89.995	89.994
Max	89.996	89.998	89.994	89.998	89.995	89.997	89.995	89.997	90.004	89.996	89.995	89.996
UL	99.500	99.500	99.500	99.500	99.500	99.500	99.500	99.500	99.500	99.500	99.500	99.500

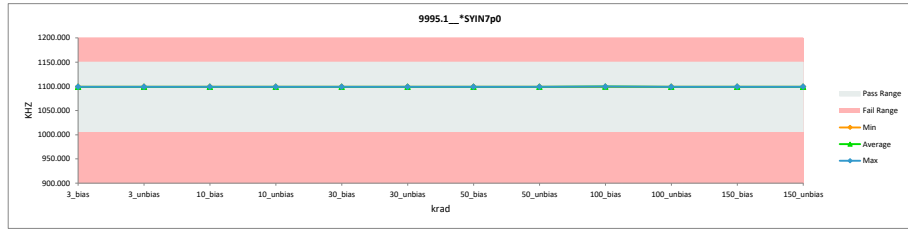


HDR TID Report  
TPS50601A-SP

9995.1_*SVIN7p0					
Test Site	1		1		
Tester	ETS364		ETS364		
Test Number	EF823401		EF823401		
Unit	KHZ		KHZ		
Max Limit	1150		1150		
Min Limit	1005		1005		
krad	Serial #	Pre Total	Post Total	Delta	
3	1	1099.118	1099.137	-0.020	
3	2	1099.133	1099.141	-0.008	
3	3	1099.144	1099.054	0.090	
3	4	1099.163	1099.043	0.120	
3	5	1099.138	1099.115	0.023	
10	15	1099.141	1099.094	0.047	
10	16	1099.055	1099.104	-0.049	
10	17	1099.153	1099.106	0.047	
10	18	1099.076	1099.054	0.022	
10	20	1099.098	1099.090	0.008	
30	27	1099.123	1099.103	0.020	
30	28	1099.121	1099.080	0.041	
30	29	1099.127	1099.111	0.016	
30	30	1099.100	1099.149	-0.049	
30	32	1099.126	1099.031	0.095	
50	39	1099.077	1099.102	-0.025	
50	40	1099.113	1099.078	0.035	
50	41	1099.130	1099.111	0.019	
50	42	1099.149	1099.125	0.024	
50	43	1099.162	1099.120	0.042	
100	51	1099.039	1099.312	-0.273	
100	52	1099.167	1099.278	-0.112	
100	53	1099.147	1099.341	-0.193	
100	54	1099.164	1099.291	-0.127	
100	55	1099.093	1099.269	-0.175	
100	56	1099.167	1099.433	-0.265	
100	57	1099.155	1099.308	-0.153	
100	58	1099.161	1099.271	-0.110	
100	59	1099.135	1099.341	-0.206	
100	60	1099.101	1099.248	-0.147	
100	61	1099.145	1099.282	-0.136	
100	62	1099.144	1099.273	-0.129	
100	64	1099.156	1099.230	-0.074	
100	66	1099.175	1099.294	-0.119	
100	67	1099.098	1099.286	-0.189	
100	69	1099.108	1099.367	-0.258	
100	71	1099.108	1099.219	-0.111	
100	72	1099.168	1099.277	-0.109	
100	73	1099.092	1099.356	-0.264	
100	74	1099.131	1099.291	-0.160	
100	75	1099.138	1099.277	-0.139	
100	76	1099.155	1099.271	-0.116	
150	84	1099.159	1099.239	-0.080	
150	86	1099.118	1099.179	-0.061	
150	87	1099.096	1099.165	-0.069	
150	88	1099.128	1099.181	-0.053	
150	89	1099.033	1099.222	-0.189	
5	8	1099.177	1099.089	0.088	
5	10	1099.099	1099.076	0.023	
5	11	1099.087	1099.126	-0.039	
5	12	1099.158	1099.083	0.075	
5	14	1099.172	1099.086	0.086	
12	22	1099.127	1099.118	0.009	
12	23	1099.126	1099.056	0.070	
12	24	1099.111	1099.044	0.067	
12	25	1099.084	1099.127	-0.042	
12	26	1099.137	1099.139	-0.002	
32	33	1099.116	1099.123	-0.007	
32	34	1099.117	1099.148	-0.031	
32	35	1099.158	1099.110	0.047	
32	36	1099.102	1099.173	-0.071	
32	37	1099.103	1099.094	0.009	
52	44	1099.117	1099.112	0.005	
52	45	1099.117	1099.152	-0.035	
52	46	1099.122	1099.146	-0.023	
52	47	1099.141	1099.065	0.076	
52	49	1099.124	1099.114	0.010	
102	78	1099.134	1099.075	0.058	
102	79	1099.172	1099.109	0.063	
102	80	1099.157	1099.047	0.110	
102	81	1099.151	1099.001	0.150	
102	83	1099.135	1099.048	0.087	
152	90	1099.092	1099.261	-0.169	
152	91	1099.196	1099.149	0.047	
152	93	1099.093	1099.208	-0.115	
152	95	1099.120	1099.165	-0.045	
152	96	1099.100	1099.203	-0.103	
Max		1099.196	1099.433	0.150	
Average		1099.127	1099.167	-0.041	
Min		1099.033	1099.001	-0.273	
Std Dev		0.032	0.097	0.102	

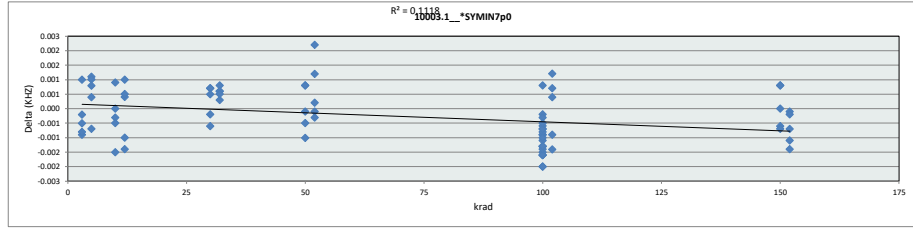


9995.1_*SVIN7p0												
Test Site	1											
Tester	ETS364											
Test Number	EF823401											
Max Limit	1150 KHZ											
Min Limit	1005 KHZ											
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias	150 bias	150 unbias
LL	1005.000	1005.000	1005.000	1005.000	1005.000	1005.000	1005.000	1005.000	1005.000	1005.000	1005.000	1005.000
Min	1099.043	1099.076	1099.054	1099.044	1099.031	1099.078	1099.094	1099.065	1099.219	1099.001	1099.165	1099.149
Average	1099.098	1099.092	1099.089	1099.097	1099.095	1099.107	1099.130	1099.118	1099.296	1099.056	1099.197	1099.197
Max	1099.141	1099.126	1099.106	1099.139	1099.149	1099.125	1099.173	1099.152	1099.433	1099.109	1099.239	1099.261
UL	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000

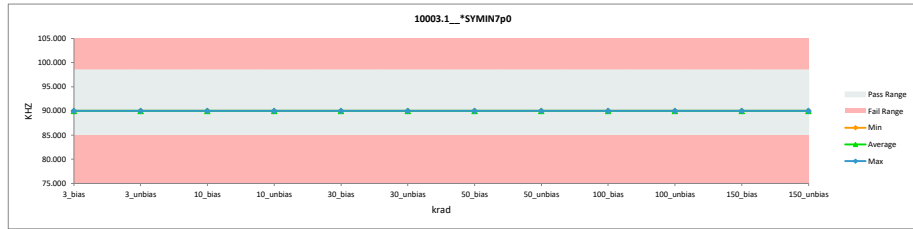


HDR TID Report  
TPS50601A-SP

10003.1 *SYMIN7p0				
Test Site	1		1	
Tester	ETS364		ETS364	
Test Number	EF823401		EF823401	
Unit	KHZ		KHZ	
Max Limit	98.5		98.5	
Min Limit	85		85	
krad	Serial #	Pre Total	Post Total	Delta
3	1	89.994	89.995	-0.001
3	2	89.993	89.994	-0.001
3	3	89.993	89.993	0.000
3	4	89.994	89.994	-0.001
3	5	89.994	89.993	0.001
10	15	89.993	89.995	-0.002
10	16	89.994	89.994	0.000
10	17	89.993	89.994	0.000
10	18	89.993	89.993	0.000
10	20	89.995	89.994	0.001
30	27	89.994	89.994	-0.001
30	28	89.994	89.995	0.000
30	29	89.994	89.994	0.001
30	30	89.993	89.993	0.001
30	32	89.995	89.994	0.000
50	39	89.994	89.995	0.000
50	40	89.994	89.994	0.001
50	41	89.994	89.994	0.001
50	42	89.994	89.995	-0.001
50	43	89.993	89.994	0.000
100	51	89.994	89.995	-0.001
100	52	89.994	89.995	-0.002
100	53	89.994	89.994	0.000
100	54	89.994	89.996	-0.002
100	55	89.995	89.996	-0.001
100	56	89.994	89.995	-0.001
100	57	89.994	89.995	-0.001
100	58	89.994	89.996	-0.001
100	59	89.995	89.995	-0.001
100	60	89.994	89.996	-0.002
100	61	89.993	89.995	-0.002
100	62	89.994	89.995	-0.001
100	64	89.993	89.994	-0.001
100	66	89.995	89.995	0.001
100	67	89.994	89.996	-0.002
100	69	89.994	89.996	-0.001
100	71	89.994	89.995	-0.001
100	72	89.994	89.995	-0.001
100	73	89.993	89.995	-0.001
100	74	89.995	89.995	0.000
100	75	89.994	89.995	0.000
100	76	89.994	89.996	-0.002
150	84	89.995	89.994	0.001
150	86	89.995	89.994	0.001
150	87	89.994	89.994	-0.001
150	88	89.995	89.995	0.000
150	89	89.994	89.995	-0.001
5	8	89.994	89.993	0.001
5	10	89.995	89.994	0.001
5	11	89.995	89.994	0.001
5	12	89.994	89.995	-0.001
5	14	89.994	89.993	0.000
12	22	89.993	89.994	-0.001
12	23	89.995	89.995	0.000
12	24	89.994	89.993	0.001
12	25	89.994	89.993	0.001
12	26	89.994	89.995	-0.001
32	33	89.994	89.994	0.001
32	34	89.995	89.994	0.001
32	35	89.994	89.994	0.001
32	36	89.994	89.993	0.000
32	37	89.994	89.994	0.001
52	44	89.994	89.994	0.000
52	45	89.996	89.993	0.002
52	46	89.995	89.995	0.000
52	47	89.994	89.994	0.000
52	49	89.994	89.993	0.001
102	78	89.994	89.994	0.000
102	79	89.994	89.993	0.001
102	80	89.994	89.993	0.001
102	81	89.993	89.994	-0.001
102	83	89.994	89.995	-0.001
152	90	89.994	89.995	-0.001
152	91	89.994	89.995	0.000
152	93	89.994	89.995	-0.001
152	95	89.994	89.996	-0.001
152	96	89.994	89.994	0.000
Max		89.996	89.996	0.002
Average		89.994	89.994	0.000
Min		89.993	89.993	-0.002
Std Dev		0.001	0.001	0.001

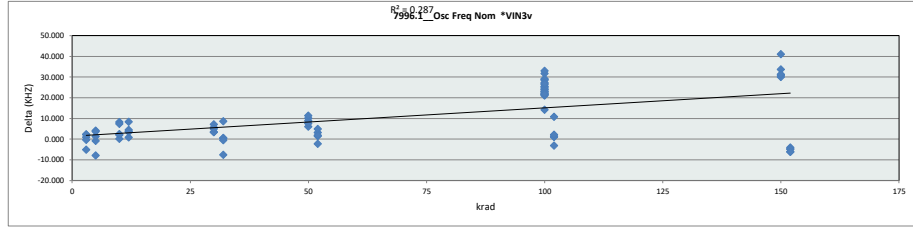


10003.1 *SYMIN7p0												
Test Site	1											
Tester	ETS364											
Test Number	EF823401											
Max Limit	98.5 KHZ											
Min Limit	85 KHZ											
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias	150 bias	150 unbias
LL	85.000	85.000	85.000	85.000	85.000	85.000	85.000	85.000	85.000	85.000	85.000	85.000
Min	89.993	89.993	89.993	89.993	89.993	89.993	89.993	89.993	89.993	89.993	89.993	89.993
Average	89.994	89.994	89.994	89.994	89.994	89.994	89.994	89.994	89.994	89.994	89.994	89.994
Max	89.995	89.995	89.995	89.995	89.995	89.995	89.995	89.995	89.994	89.995	89.995	89.995
UL	98.500	98.500	98.500	98.500	98.500	98.500	98.500	98.500	98.500	98.500	98.500	98.500

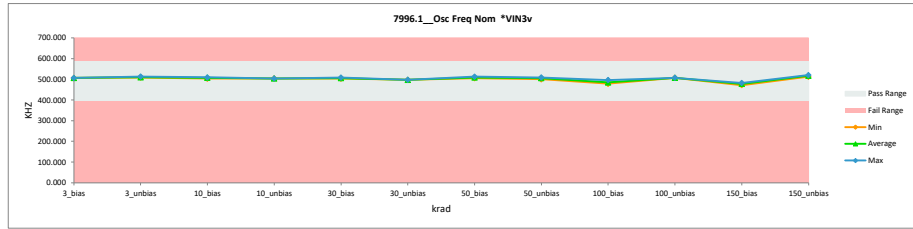


HDR TID Report  
TPS50601A-SP

7996.1_Osc Freq Nom *VIN3v				
Test Site	1	1		
Tester	ETS364	ETS364		
Test Number	EF823401	EF823401		
Unit	KHZ	KHZ		
Max Limit	585	585		
Min Limit	395	395		
krad	Serial #	Pre Total	Post Total	Delta
3	1	500.986	506.112	-5.127
3	2	507.034	506.098	0.937
3	3	505.770	506.091	-0.321
3	4	508.288	506.044	2.244
3	5	508.295	506.037	2.258
10	15	507.119	506.939	0.180
10	16	505.410	502.965	2.445
10	17	511.078	509.066	2.012
10	18	517.277	508.999	8.278
10	20	516.419	509.055	7.364
30	27	511.714	506.048	5.667
30	28	515.346	508.208	7.138
30	29	509.269	505.815	3.453
30	30	506.265	502.887	3.378
30	32	510.597	505.650	4.947
50	39	503.402	497.352	6.041
50	40	506.155	497.291	8.864
50	41	508.048	497.937	10.111
50	42	504.843	497.296	7.547
50	43	508.246	496.924	11.322
100	51	507.936	482.441	25.495
100	52	507.495	484.407	23.087
100	53	507.363	478.211	29.152
100	54	510.936	488.314	22.623
100	55	507.958	485.903	22.055
100	56	504.636	483.060	21.576
100	57	505.482	481.389	24.093
100	58	518.518	494.647	23.870
100	59	507.690	479.161	28.529
100	60	508.503	487.008	21.495
100	61	517.476	496.406	21.069
100	62	510.425	487.305	23.119
100	64	513.243	488.554	24.689
100	66	511.520	486.256	25.264
100	67	514.131	482.446	31.684
100	69	500.985	479.136	21.849
100	71	509.866	481.066	28.800
100	72	508.306	481.034	27.273
100	73	514.031	481.013	33.018
100	74	507.473	481.050	26.423
100	75	507.817	481.034	26.783
100	76	508.861	494.647	14.214
150	84	512.911	482.003	30.907
150	86	510.913	477.230	33.682
150	87	512.674	471.642	41.032
150	88	508.193	478.202	29.991
150	89	510.888	479.588	31.300
5	8	512.252	513.069	-0.817
5	10	512.582	508.476	4.106
5	11	509.620	508.299	1.320
5	12	511.896	508.186	3.710
5	14	500.554	508.438	-7.884
12	22	504.826	504.019	0.807
12	23	507.721	503.934	3.787
12	24	507.420	503.984	3.437
12	25	512.261	503.869	8.392
12	26	508.326	503.854	4.471
32	33	505.888	505.275	0.612
32	34	506.801	506.422	0.379
32	35	505.227	512.811	-7.584
32	36	512.310	512.843	-0.532
32	37	515.522	506.885	8.637
52	44	502.983	499.799	3.185
52	45	510.183	508.710	1.473
52	46	506.425	508.661	-2.236
52	47	506.958	505.110	1.848
52	49	510.508	505.615	4.893
102	78	517.913	507.108	10.805
102	79	508.588	507.198	1.390
102	80	508.260	507.261	0.999
102	81	504.194	507.315	-3.121
102	83	509.398	507.274	2.124
152	90	508.191	512.212	-4.021
152	91	514.080	520.199	-6.119
152	93	515.041	519.711	-4.670
152	95	513.627	518.524	-4.897
152	96	509.553	515.689	-6.137
Max		518.518	520.199	41.032
Average		509.310	498.659	10.652
Min		500.554	471.642	-7.884
Std Dev		3.941	12.443	12.666



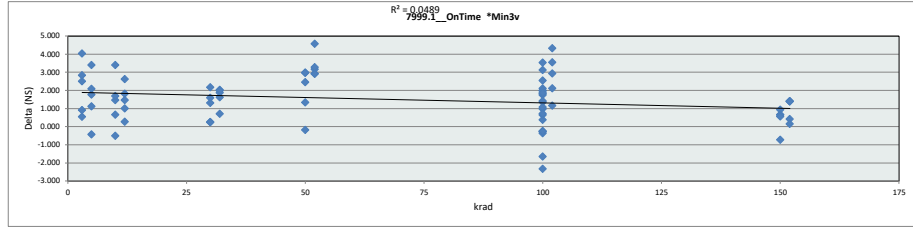
7996.1_Osc Freq Nom *VIN3v										
Test Site	1									
Tester	ETS364									
Test Number	EF823401									
Max Limit	585	KHZ								
Min Limit	395	KHZ								
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias
LL	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000	395.000
Min	506.037	508.186	502.965	503.854	502.887	496.924	505.275	499.799	478.211	507.108
Average	506.076	509.293	507.405	503.932	505.722	497.362	508.847	505.579	484.750	507.231
Max	506.112	513.069	509.066	504.019	508.208	497.937	512.843	508.710	496.407	507.315
UL	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000	585.000



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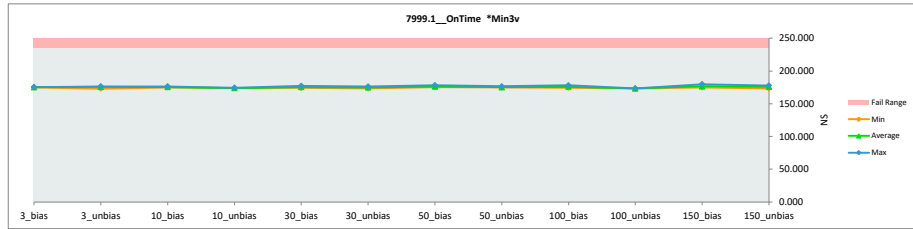
		7999.1_OnTime *Min3v	
Test Site	1	1	
Tester	ETS364	ETS364	
Test Number	EF823401	EF823401	
Unit	NS	NS	
Max Limit	235	235	
Min Limit			

krad	Serial #	Pre Total	Post Total	Delta
3	1	176.197	175.653	0.544
3	2	176.368	175.454	0.914
3	3	179.045	175.013	4.032
3	4	177.318	174.817	2.501
3	5	178.176	175.344	2.832
10	15	177.578	176.114	1.464
10	16	176.084	176.590	-0.506
10	17	175.933	175.036	0.658
10	18	178.576	175.178	3.398
10	20	176.837	175.146	1.691
30	27	177.448	176.139	1.309
30	28	176.696	174.526	2.170
30	29	177.088	175.498	1.590
30	30	174.469	174.212	0.257
30	32	177.580	173.341	0.239
50	39	178.875	176.428	2.447
50	40	179.064	176.101	2.963
50	41	175.673	174.338	1.335
50	42	176.364	173.383	2.981
50	43	174.671	174.853	-0.182
100	51	177.789	178.158	-0.369
100	52	176.349	174.605	1.744
100	53	177.181	174.643	2.539
100	54	178.683	175.563	3.120
100	55	176.994	174.888	2.106
100	56	177.414	176.064	1.350
100	57	177.742	175.749	1.993
100	58	176.777	176.401	0.376
100	59	179.768	179.951	1.817
100	60	176.708	174.741	1.967
100	61	175.845	174.873	0.973
100	62	177.812	178.062	-0.250
100	64	177.430	176.790	0.639
100	66	177.361	175.498	1.862
100	67	178.486	177.413	1.074
100	69	177.531	176.121	1.411
100	71	176.886	176.176	0.710
100	72	173.942	176.268	-2.327
100	73	174.557	176.212	-1.654
100	74	176.121	176.403	-0.282
100	75	176.009	176.268	-0.260
100	76	179.934	176.401	3.533
150	84	176.643	175.991	0.652
150	86	177.214	176.278	0.935
150	87	176.634	175.979	0.655
150	88	175.717	175.161	0.556
150	89	179.248	179.976	-0.728
5	8	176.592	173.196	3.396
5	10	178.643	176.564	2.080
5	11	178.136	176.372	1.764
5	12	177.082	175.966	1.116
5	14	175.921	176.350	-0.428
12	22	175.827	174.368	1.458
12	23	174.796	174.529	0.267
12	24	175.308	174.302	1.006
12	25	176.618	174.000	2.617
12	26	175.559	173.742	1.817
32	33	180.380	178.352	2.027
32	34	177.434	175.563	1.871
32	35	177.724	175.733	1.992
32	36	177.273	175.659	1.615
32	37	176.913	176.207	0.706
52	44	181.235	176.664	4.571
52	45	177.997	174.831	3.165
52	46	177.658	174.743	2.915
52	47	177.631	174.716	2.915
52	49	178.311	175.037	3.274
102	78	176.763	173.222	3.541
102	79	177.759	173.439	4.320
102	80	174.465	173.308	1.158
102	81	176.180	173.251	2.928
102	83	175.494	173.383	2.111
152	90	177.324	176.907	0.416
152	91	178.196	178.049	0.147
152	93	176.440	175.050	1.390
152	95	174.891	173.488	1.403
152	96	177.975	176.586	1.389
Max		181.235	179.976	4.571
Average		177.079	175.576	1.503
Min		173.942	173.196	-2.327
Std Dev		1.412	1.344	1.342



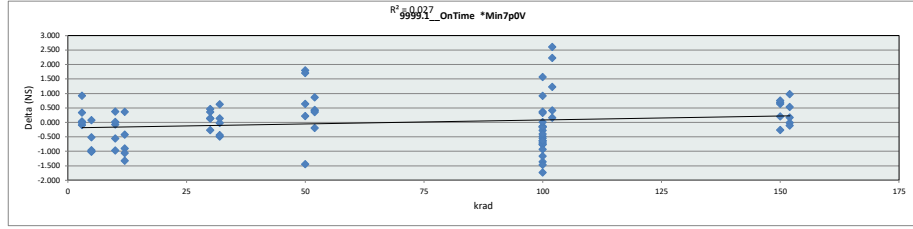
		7999.1_OnTime *Min3v	
Test Site	1		
Tester	ETS364		
Test Number	EF823401		
Max Limit	235	NS	
Min Limit		NS	

	krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased	150 bias	150 unbiased
LL													
Min	174.817	173.196	175.036	173.743	174.212	173.383	175.563	174.716	174.605	173.222	175.161	173.488	
Average	175.256	175.689	175.613	174.188	175.543	175.021	176.303	175.198	176.148	173.321	176.677	176.016	
Max	175.653	176.564	176.590	174.530	177.341	176.428	178.352	176.664	178.158	173.439	179.976	178.049	
UL	235.000	235.000	235.000	235.000	235.000	235.000	235.000	235.000	235.000	235.000	235.000	235.000	

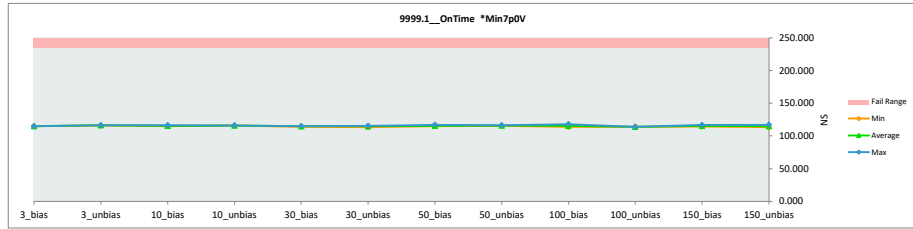


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9999.1_OnTime *Min7p0V				
Test Site	1		1	
Tester	ETS364		ETS364	
Test Number	EF823401		EF823401	
Unit	NS		NS	
Max Limit	235		235	
Min Limit				
krad	Serial #	Pre Total	Post Total	Delta
3	1	114.764	114.735	0.029
3	2	114.672	114.769	-0.097
3	3	115.824	114.608	0.916
3	4	114.929	114.943	-0.014
3	5	115.252	114.920	0.332
10	15	115.065	115.144	-0.078
10	16	115.366	116.342	-0.977
10	17	115.043	115.030	0.013
10	18	114.450	115.010	-0.560
10	20	115.425	115.056	0.369
30	27	114.260	114.124	0.136
30	28	114.711	114.983	-0.272
30	29	114.743	114.287	0.456
30	30	115.356	114.998	0.358
30	32	114.929	114.800	0.129
50	39	117.052	115.259	1.793
50	40	115.993	115.358	0.635
50	41	114.291	114.077	0.215
50	42	113.636	115.085	-1.450
50	43	115.097	113.396	1.701
100	51	115.095	117.735	-0.640
100	52	115.454	115.595	-0.140
100	53	114.414	114.585	-0.171
100	54	114.602	114.239	0.363
100	55	114.019	113.696	0.323
100	56	114.280	115.049	-0.769
100	57	115.146	115.425	-0.279
100	58	114.650	116.015	-1.364
100	59	117.232	117.940	-0.708
100	60	114.227	115.962	-1.735
100	61	114.222	114.778	-0.556
100	62	117.100	117.588	-0.488
100	64	115.187	116.656	-1.469
100	66	115.274	116.029	-0.755
100	67	115.025	115.961	-0.936
100	69	115.611	116.017	-0.406
100	71	114.707	114.861	-0.154
100	72	113.704	114.873	-1.168
100	73	114.265	114.908	-0.643
100	74	114.924	114.915	0.008
100	75	115.784	114.873	0.911
100	76	117.578	116.015	1.564
150	84	115.827	115.192	0.635
150	86	116.128	115.440	0.688
150	87	115.723	114.972	0.751
150	88	114.446	114.243	0.202
150	89	116.314	116.581	-0.267
5	8	115.284	116.296	-1.012
5	10	115.820	115.745	0.075
5	11	115.168	116.133	-0.965
5	12	115.786	116.304	-0.518
5	14	115.261	116.273	-1.013
12	22	116.154	115.792	0.362
12	23	115.425	115.852	-0.427
12	24	114.958	115.860	-0.903
12	25	114.632	115.959	-1.328
12	26	114.988	116.051	-1.063
32	33	116.512	117.007	-0.495
32	34	115.011	115.035	-0.024
32	35	115.368	115.231	0.137
32	36	115.829	115.206	0.623
32	37	114.649	115.096	-0.446
52	44	115.764	115.337	0.427
52	45	116.895	116.034	0.861
52	46	116.541	116.146	0.395
52	47	115.966	116.162	-0.196
52	49	115.788	115.437	0.351
102	78	115.162	113.942	1.220
102	79	116.460	113.856	2.604
102	80	114.328	113.918	0.410
102	81	116.144	113.923	2.222
102	83	114.074	113.919	0.155
152	90	115.726	115.743	-0.017
152	91	116.821	116.935	-0.113
152	93	114.976	114.446	0.529
152	95	114.172	113.201	0.971
152	96	114.514	114.347	0.167
Max		117.578	117.940	2.604
Average		115.272	115.280	-0.007
Min		113.636	113.201	-1.735
Std Dev		0.856	0.926	0.837



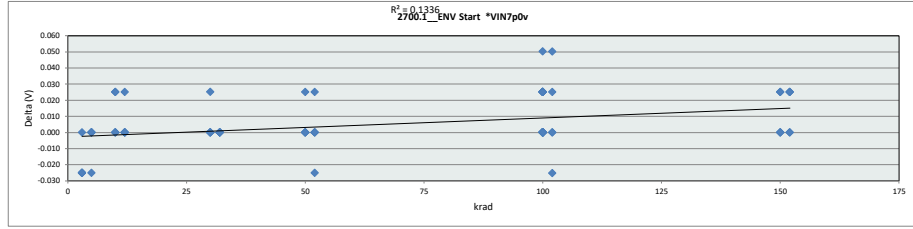
9999.1_OnTime *Min7p0V													
Test Site	1												
Tester	ETS364												
Test Number	EF823401												
Max Limit	235												
Min Limit	NS												
	krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased	150 bias	150 unbiased
LL													
Min		114.735	115.745	115.010	115.792	114.124	113.396	115.035	115.337	113.696	113.856	114.243	113.201
Average		114.855	116.150	115.316	115.903	114.638	114.635	115.515	115.823	115.532	113.912	115.286	114.934
Max		114.943	116.304	116.342	116.051	114.998	115.358	117.007	116.162	117.940	113.942	116.582	116.935
UL		235.000	235.000	235.000	235.000	235.000	235.000	235.000	235.000	235.000	235.000	235.000	235.000



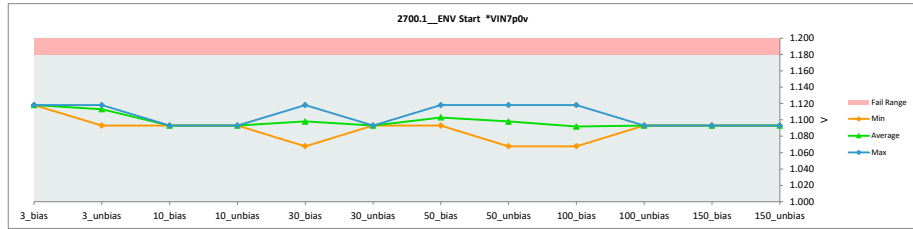


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2700.1_ENV Start *VIN7p0v				
Test Site	1	1		
Tester	ETS364	ETS364		
Test Number	EF823401	EF823401		
Unit	V	V		
Max Limit	1.18	1.18		
Min Limit				
krad	Serial #	Pre Total	Post Total	Delta
3	1	1.093	1.118	-0.025
3	2	1.118	1.118	0.000
3	3	1.093	1.118	-0.025
3	4	1.093	1.118	-0.025
3	5	1.093	1.118	-0.025
10	15	1.093	1.093	0.000
10	16	1.093	1.093	0.000
10	17	1.093	1.093	0.000
10	18	1.118	1.093	0.025
10	20	1.118	1.093	0.025
30	27	1.093	1.093	0.000
30	28	1.093	1.093	0.000
30	29	1.118	1.118	0.000
30	30	1.118	1.118	0.000
30	32	1.093	1.068	0.025
50	39	1.093	1.093	0.000
50	40	1.093	1.093	0.000
50	41	1.093	1.093	0.000
50	42	1.093	1.093	0.000
50	43	1.118	1.093	0.025
100	51	1.093	1.093	0.000
100	52	1.093	1.093	0.000
100	53	1.093	1.093	0.000
100	54	1.093	1.093	0.000
100	55	1.118	1.118	0.000
100	56	1.118	1.093	0.025
100	57	1.068	1.068	0.000
100	58	1.093	1.068	0.025
100	59	1.093	1.093	0.000
100	60	1.118	1.093	0.025
100	61	1.118	1.118	0.000
100	62	1.118	1.093	0.025
100	64	1.093	1.093	0.000
100	66	1.118	1.093	0.025
100	67	1.093	1.093	0.000
100	69	1.093	1.093	0.000
100	71	1.093	1.093	0.000
100	72	1.118	1.093	0.025
100	73	1.118	1.093	0.025
100	74	1.093	1.093	0.000
100	75	1.093	1.093	0.000
100	76	1.118	1.068	0.050
150	84	1.118	1.093	0.025
150	86	1.093	1.093	0.000
150	87	1.118	1.093	0.025
150	88	1.093	1.093	0.000
150	89	1.093	1.093	0.000
5	8	1.093	1.093	0.000
5	10	1.093	1.118	-0.025
5	11	1.118	1.118	0.000
5	12	1.118	1.118	0.000
5	14	1.118	1.118	0.000
12	22	1.093	1.093	0.000
12	23	1.093	1.093	0.000
12	24	1.093	1.093	0.000
12	25	1.118	1.093	0.025
12	26	1.093	1.093	0.000
32	33	1.093	1.093	0.000
32	34	1.093	1.093	0.000
32	35	1.118	1.118	0.000
32	36	1.118	1.118	0.000
32	37	1.093	1.093	0.000
52	44	1.068	1.068	0.000
52	45	1.093	1.118	-0.025
52	46	1.118	1.118	0.000
52	47	1.093	1.093	0.000
52	49	1.118	1.093	0.025
102	78	1.093	1.093	0.000
102	79	1.068	1.093	-0.025
102	80	1.093	1.093	0.000
102	81	1.143	1.093	0.050
102	83	1.118	1.093	0.025
152	90	1.093	1.093	0.000
152	91	1.118	1.093	0.025
152	93	1.118	1.093	0.025
152	95	1.093	1.093	0.000
152	96	1.118	1.093	0.025
Max	1.143	1.118	0.050	
Average	1.102	1.097	0.005	
Min	1.068	1.068	-0.025	
Std Dev	0.015	0.013	0.016	

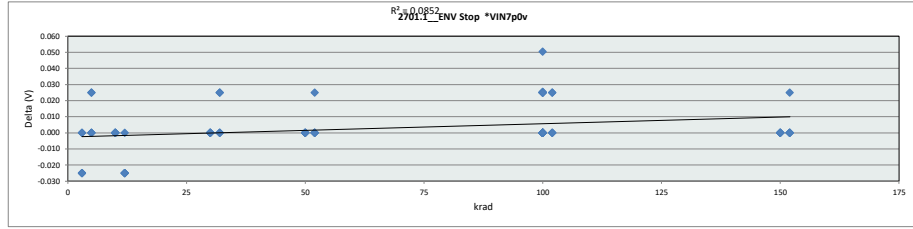


2700.1_ENV Start *VIN7p0v												
Test Site	1											
Tester	ETS364											
Test Number	EF823401											
Max Limit	1.18	V										
Min Limit	V											
krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased	150 bias	150 unbiased
LL	1.118	1.093	1.093	1.093	1.068	1.093	1.093	1.068	1.068	1.093	1.093	1.093
Min	1.118	1.113	1.093	1.093	1.098	1.093	1.103	1.098	1.092	1.093	1.093	1.093
Average	1.118	1.118	1.093	1.093	1.118	1.093	1.118	1.118	1.118	1.093	1.093	1.093
Max	1.180	1.180	1.180	1.180	1.180	1.180	1.180	1.180	1.180	1.180	1.180	1.180
UL												

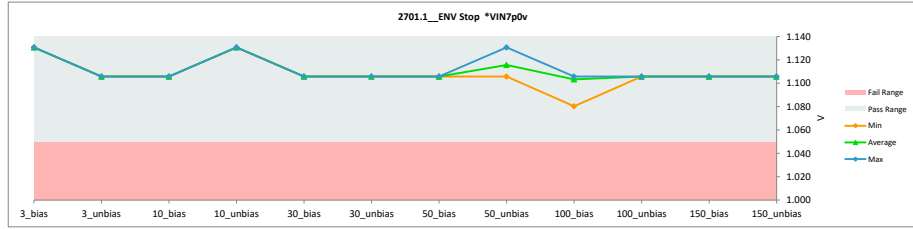


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		2701.1_ENV Stop *VIN7p0v		
Test Site	1	1		
Tester	ETS364	ETS364		
Test Number	EF823401	EF823401		
Unit	V	V		
Max Limit				
Min Limit	1.05	1.05		
krad	Serial #	Pre Total	Post Total	Delta
3	1	1.106	1.131	-0.025
3	2	1.131	1.131	0.000
3	3	1.106	1.131	-0.025
3	4	1.131	1.131	0.000
3	5	1.106	1.131	-0.025
10	15	1.106	1.106	0.000
10	16	1.106	1.106	0.000
10	17	1.106	1.106	0.000
10	18	1.106	1.106	0.000
10	20	1.106	1.106	0.000
30	27	1.106	1.106	0.000
30	28	1.106	1.106	0.000
30	29	1.106	1.106	0.000
30	30	1.106	1.106	0.000
30	32	1.106	1.106	0.000
30	39	1.106	1.106	0.000
50	40	1.106	1.106	0.000
50	41	1.106	1.106	0.000
50	42	1.106	1.106	0.000
50	43	1.106	1.106	0.000
100	51	1.106	1.106	0.000
100	52	1.106	1.106	0.000
100	53	1.106	1.106	0.000
100	54	1.106	1.106	0.000
100	55	1.106	1.106	0.000
100	56	1.106	1.106	0.000
100	57	1.106	1.106	0.000
100	58	1.106	1.080	0.025
100	59	1.106	1.106	0.000
100	60	1.131	1.106	0.025
100	61	1.106	1.106	0.000
100	62	1.131	1.106	0.025
100	64	1.106	1.106	0.000
100	66	1.131	1.106	0.025
100	67	1.106	1.106	0.000
100	69	1.131	1.106	0.025
100	71	1.131	1.106	0.025
100	72	1.106	1.106	0.000
100	73	1.106	1.106	0.000
100	74	1.106	1.106	0.000
100	75	1.106	1.106	0.000
100	76	1.131	1.080	0.050
150	84	1.106	1.106	0.000
150	86	1.106	1.106	0.000
150	87	1.106	1.106	0.000
150	88	1.106	1.106	0.000
150	89	1.106	1.106	0.000
5	8	1.106	1.106	0.000
5	10	1.131	1.106	0.025
5	11	1.106	1.106	0.000
5	12	1.131	1.106	0.025
5	14	1.106	1.106	0.000
12	22	1.131	1.131	0.000
12	23	1.106	1.131	-0.025
12	24	1.106	1.131	-0.025
12	25	1.106	1.131	-0.025
12	26	1.106	1.131	-0.025
32	33	1.106	1.106	0.000
32	34	1.106	1.106	0.000
32	35	1.131	1.106	0.025
32	36	1.131	1.106	0.025
32	37	1.106	1.106	0.000
52	44	1.106	1.106	0.000
52	45	1.131	1.131	0.000
52	46	1.131	1.131	0.000
52	47	1.106	1.106	0.000
52	49	1.131	1.106	0.025
102	78	1.106	1.106	0.000
102	79	1.131	1.106	0.025
102	80	1.106	1.106	0.000
102	81	1.131	1.106	0.025
102	83	1.106	1.106	0.000
152	90	1.106	1.106	0.000
152	91	1.131	1.106	0.025
152	93	1.106	1.106	0.000
152	95	1.106	1.106	0.000
152	96	1.106	1.106	0.000
Max	1.131	1.131	0.050	
Average	1.112	1.109	0.003	
Min	1.106	1.080	-0.025	
Std Dev	0.011	0.010	0.014	

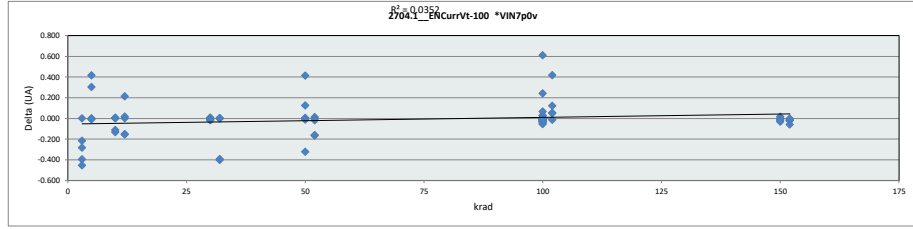


		2701.1_ENV Stop *VIN7p0v													
Test Site	1														
Tester	ETS364														
Test Number	EF823401														
Max Limit	V														
Min Limit	1.05	V													
krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased	150 bias	150 unbiased			
LL	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050
Min	1.131	1.106	1.106	1.131	1.106	1.106	1.106	1.106	1.080	1.106	1.106	1.106	1.106	1.106	1.106
Average	1.131	1.106	1.106	1.131	1.106	1.106	1.106	1.116	1.103	1.106	1.106	1.106	1.106	1.106	1.106
Max	1.131	1.106	1.106	1.131	1.106	1.106	1.106	1.131	1.106	1.106	1.106	1.106	1.106	1.106	1.106
UL															

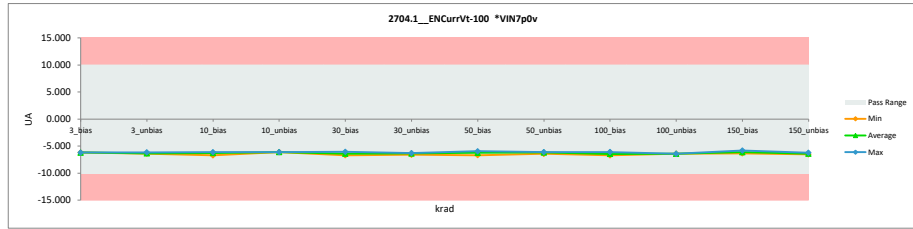


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2704.1_ENCurrVt-100 *VIN7p0v					
Test Site	1	1			
Tester	ETS364	ETS364			
Test Number	EF823401	EF823401			
Unit	UA	UA			
Max Limit	10	10			
Min Limit	-10	-10			
krad	Serial #	Pre Total	Post Total	Delta	
3	1	-6.639	-6.187	-0.452	
3	2	-6.184	-6.185	0.001	
3	3	-6.402	-6.187	-0.215	
3	4	-6.582	-6.187	-0.395	
3	5	-6.470	-6.188	-0.282	
10	15	-6.110	-6.116	0.006	
10	16	-6.697	-6.702	0.006	
10	17	-6.179	-6.179	0.001	
10	18	-6.318	-6.185	-0.133	
10	20	-6.293	-6.181	-0.112	
30	27	-6.684	-6.693	0.009	
30	28	-6.337	-6.322	-0.016	
30	29	-6.040	-6.041	0.000	
30	30	-6.343	-6.336	-0.007	
30	32	-6.509	-6.492	-0.017	
50	39	-6.190	-6.316	0.126	
50	40	-6.313	-6.319	0.006	
50	41	-6.287	-6.276	-0.011	
50	42	-6.600	-6.278	-0.322	
50	43	-6.181	-6.595	0.414	
100	51	-6.628	-6.656	0.029	
100	52	-6.376	-6.321	-0.054	
100	53	-6.385	-6.353	-0.031	
100	54	-6.723	-6.714	-0.010	
100	55	-6.476	-6.444	-0.032	
100	56	-6.250	-6.277	0.027	
100	57	-6.578	-6.568	-0.010	
100	58	-6.632	-6.607	-0.025	
100	59	-6.431	-6.422	-0.009	
100	60	-6.116	-6.082	-0.034	
100	61	-6.286	-6.284	-0.002	
100	62	-6.249	-6.252	0.002	
100	64	-6.667	-6.622	-0.045	
100	66	-6.303	-6.296	-0.006	
100	67	-6.441	-6.434	-0.007	
100	69	-6.547	-6.527	-0.020	
100	71	-6.459	-6.434	-0.025	
100	72	-6.451	-6.436	-0.015	
100	73	-6.370	-6.436	0.066	
100	74	-6.453	-6.435	-0.018	
100	75	-6.193	-6.436	0.242	
100	76	-5.997	-6.607	0.610	
150	84	-6.157	-6.173	0.016	
150	86	-6.138	-6.137	-0.001	
150	87	-5.831	-5.814	-0.017	
150	88	-6.196	-6.191	-0.005	
150	89	-6.353	-6.322	-0.031	
5	8	-6.147	-6.148	0.001	
5	10	-6.388	-6.379	-0.009	
5	11	-6.384	-6.382	-0.002	
5	12	-6.074	-6.378	0.304	
5	14	-5.964	-6.380	0.417	
12	22	-6.093	-6.095	0.002	
12	23	-5.881	-6.095	0.214	
12	24	-6.077	-6.095	0.018	
12	25	-6.249	-6.097	-0.152	
12	26	-6.250	-6.096	-0.154	
32	33	-6.518	-6.517	0.000	
32	34	-6.673	-6.675	0.002	
32	35	-6.344	-5.944	-0.401	
32	36	-5.944	-5.945	0.001	
32	37	-6.507	-6.115	-0.392	
52	44	-6.415	-6.429	0.013	
52	45	-6.121	-6.119	-0.002	
52	46	-6.284	-6.120	-0.164	
52	47	-6.105	-6.088	-0.017	
52	49	-6.248	-6.086	-0.161	
102	78	-6.346	-6.398	0.052	
102	79	-6.277	-6.399	0.122	
102	80	-6.412	-6.399	-0.013	
102	81	-5.978	-6.396	0.418	
102	83	-6.345	-6.396	0.051	
152	90	-6.569	-6.511	-0.058	
152	91	-6.234	-6.217	-0.016	
152	93	-6.439	-6.418	-0.022	
152	95	-6.308	-6.293	-0.015	
152	96	-6.501	-6.499	-0.002	
	Max	-5.831	-5.814	0.016	
	Average	-6.326	-6.316	-0.010	
	Min	-6.723	-6.714	-0.009	
	Std Dev	0.205	0.195	0.010	

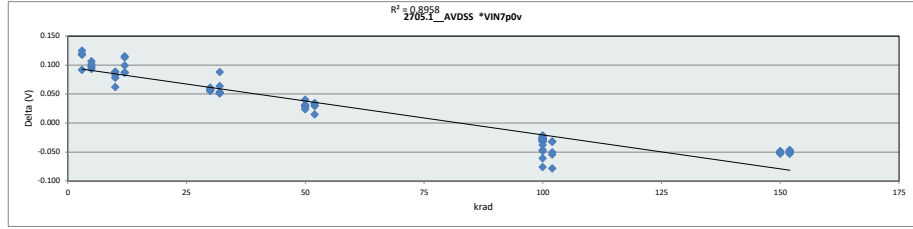


2704.1_ENCurrVt-100 *VIN7p0v														
Test Site	1													
Tester	ETS364													
Test Number	EF823401													
Max Limit	10	UA												
Min Limit	-10	UA												
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias	150 bias	150 unbias		
LL	-10.000	-10.000	-10.000	-10.000	-10.000	-10.000	-10.000	-10.000	-10.000	-10.000	-10.000	-10.000	-10.000	
Min	-6.188	-6.382	-6.703	-6.097	-6.693	-6.595	-6.676	-6.429	-6.714	-6.399	-6.322	-6.511		
Average	-6.187	-6.333	-6.273	-6.096	-6.377	-6.357	-6.239	-6.168	-6.438	-6.397	-6.127	-6.388		
Max	-6.185	-6.148	-6.116	-6.095	-6.041	-6.276	-5.944	-6.086	-6.082	-6.396	-5.814	-6.217		
UL	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000		

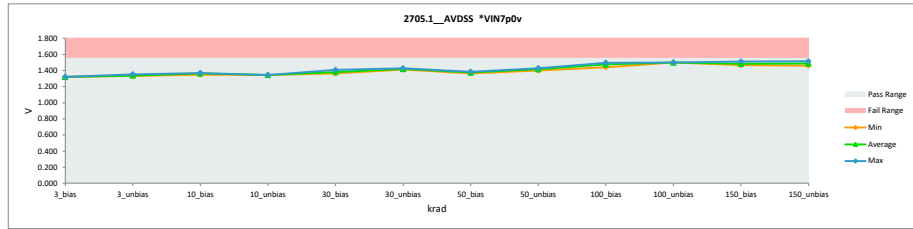


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2705.1_AVDSS *VIN7p0v				
Test Site	1	1		
Tester	ETS364	ETS364		
Test Number	EF823401	EF823401		
Unit	V	V		
Max Limit	1.55	1.55		
Min Limit	0	0		
krad	Serial #	Pre Total	Post Total	Delta
3	1	1.438	1.321	0.118
3	2	1.411	1.320	0.091
3	3	1.443	1.318	0.125
3	4	1.438	1.319	0.119
3	5	1.437	1.319	0.119
10	15	1.447	1.364	0.082
10	16	1.436	1.348	0.088
10	17	1.457	1.368	0.089
10	18	1.447	1.369	0.078
10	20	1.430	1.368	0.062
30	27	1.462	1.406	0.056
30	28	1.442	1.381	0.061
30	29	1.419	1.363	0.055
30	30	1.422	1.365	0.057
30	32	1.447	1.388	0.058
50	39	1.440	1.412	0.028
50	40	1.441	1.411	0.030
50	41	1.459	1.427	0.032
50	42	1.450	1.427	0.023
50	43	1.458	1.418	0.040
100	51	1.459	1.483	-0.024
100	52	1.409	1.441	-0.031
100	53	1.443	1.476	-0.033
100	54	1.454	1.478	-0.024
100	55	1.438	1.465	-0.028
100	56	1.452	1.480	-0.027
100	57	1.444	1.472	-0.028
100	58	1.446	1.475	-0.029
100	59	1.431	1.458	-0.027
100	60	1.442	1.471	-0.029
100	61	1.436	1.463	-0.027
100	62	1.427	1.448	-0.021
100	64	1.431	1.461	-0.030
100	66	1.441	1.467	-0.025
100	67	1.465	1.494	-0.029
100	69	1.435	1.462	-0.027
100	71	1.413	1.490	-0.076
100	72	1.441	1.490	-0.049
100	73	1.428	1.489	-0.061
100	74	1.458	1.490	-0.031
100	75	1.452	1.490	-0.038
100	76	1.428	1.475	-0.047
150	84	1.426	1.476	-0.050
150	86	1.414	1.467	-0.053
150	87	1.462	1.511	-0.049
150	88	1.440	1.490	-0.050
150	89	1.419	1.472	-0.053
5	8	1.448	1.352	0.096
5	10	1.431	1.333	0.098
5	11	1.426	1.334	0.093
5	12	1.440	1.334	0.106
5	14	1.435	1.334	0.101
12	22	1.431	1.345	0.086
12	23	1.459	1.344	0.115
12	24	1.443	1.344	0.099
12	25	1.431	1.344	0.087
12	26	1.457	1.344	0.113
32	33	1.434	1.383	0.051
32	34	1.437	1.383	0.053
32	35	1.434	1.371	0.063
32	36	1.422	1.371	0.051
32	37	1.452	1.365	0.088
52	44	1.457	1.428	0.029
52	45	1.434	1.400	0.034
52	46	1.430	1.400	0.030
52	47	1.457	1.423	0.034
52	49	1.439	1.424	0.015
102	78	1.468	1.500	-0.032
102	79	1.443	1.497	-0.054
102	80	1.465	1.497	-0.033
102	81	1.419	1.497	-0.078
102	83	1.446	1.497	-0.050
152	90	1.422	1.469	-0.047
152	91	1.408	1.461	-0.053
152	93	1.437	1.486	-0.049
152	95	1.465	1.513	-0.048
152	96	1.451	1.502	-0.051
Max		1.468	1.513	0.125
Average		1.440	1.422	0.018
Min		1.408	1.318	-0.078
Std Dev		0.014	0.062	0.061

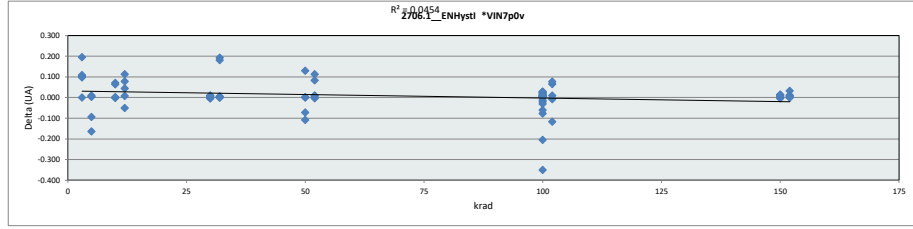


2705.1_AVDSS *VIN7p0v												
Test Site	1											
Tester	ETS364											
Test Number	EF823401											
Max Limit	1.55	V										
Min Limit	0	V										
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias	150 bias	150 unbias
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	1.318	1.333	1.348	1.344	1.363	1.411	1.365	1.400	1.441	1.497	1.467	1.461
Average	1.319	1.337	1.364	1.344	1.381	1.419	1.375	1.415	1.473	1.498	1.483	1.486
Max	1.321	1.352	1.369	1.345	1.406	1.427	1.384	1.428	1.494	1.500	1.511	1.513
UL	1.550	1.550	1.550	1.550	1.550	1.550	1.550	1.550	1.550	1.550	1.550	1.550

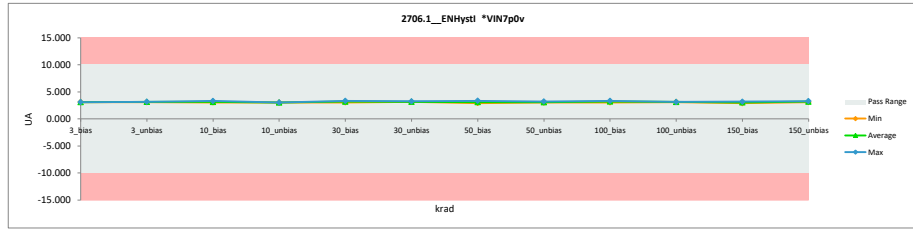


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		2706.1_ENHystI *VIN7p0v		
Test Site	1			
Tester	ETS364			
Test Number	EF823401			
Unit	UA			
Max Limit	10			
Min Limit	-10			
krad	Serial #	Pre Total	Post Total	Delta
3	1	3.310	3.116	0.194
3	2	3.115	3.115	0.000
3	3	3.218	3.116	0.102
3	4	3.226	3.117	0.108
3	5	3.212	3.115	0.097
10	15	3.062	3.064	-0.002
10	16	3.334	3.334	0.000
10	17	3.102	3.101	0.001
10	18	3.174	3.103	0.070
10	20	3.164	3.101	0.064
30	27	3.345	3.351	-0.005
30	28	3.167	3.158	0.010
30	29	3.054	3.055	-0.001
30	30	3.215	3.209	0.006
30	32	3.265	3.259	0.006
30	39	3.114	3.186	-0.072
50	40	3.186	3.187	-0.001
50	41	3.135	3.132	0.003
50	42	3.258	3.129	0.129
50	43	3.141	3.249	-0.108
100	51	3.287	3.300	-0.013
100	52	3.192	3.163	0.028
100	53	3.191	3.169	0.022
100	54	3.345	3.342	0.002
100	55	3.251	3.235	0.016
100	56	3.153	3.174	-0.020
100	57	3.282	3.279	0.003
100	58	3.358	3.346	0.012
100	59	3.240	3.232	0.008
100	60	3.089	3.066	0.023
100	61	3.180	3.171	0.009
100	62	3.085	3.082	0.003
100	64	3.337	3.310	0.027
100	66	3.200	3.194	0.007
100	67	3.239	3.237	0.002
100	69	3.286	3.283	0.003
100	71	3.177	3.255	-0.077
100	72	3.224	3.256	-0.031
100	73	3.194	3.255	-0.061
100	74	3.265	3.254	0.011
100	75	3.051	3.256	-0.205
100	76	2.996	3.346	-0.350
150	84	3.029	3.033	-0.004
150	86	3.126	3.119	0.007
150	87	2.916	2.904	0.012
150	88	3.103	3.099	0.004
150	89	3.205	3.191	0.014
5	8	3.093	3.090	0.003
5	10	3.181	3.172	0.009
5	11	3.174	3.171	0.004
5	12	3.076	3.171	-0.094
5	14	3.007	3.171	-0.164
12	22	3.036	3.029	0.007
12	23	2.976	3.027	-0.051
12	24	3.071	3.027	0.044
12	25	3.108	3.030	0.078
12	26	3.142	3.030	0.112
32	33	3.286	3.281	0.005
32	34	3.368	3.363	0.005
32	35	3.144	2.952	0.192
32	36	2.949	2.950	-0.001
32	37	3.243	3.062	0.181
52	44	3.220	3.224	-0.004
52	45	3.025	3.019	0.007
52	46	3.134	3.022	0.112
52	47	3.092	3.083	0.010
52	49	3.164	3.082	0.082
102	78	3.199	3.134	0.065
102	79	3.123	3.131	-0.008
102	80	3.140	3.131	0.009
102	81	3.012	3.129	-0.117
102	83	3.208	3.132	0.076
152	90	3.322	3.290	0.032
152	91	3.127	3.116	0.011
152	93	3.181	3.176	0.005
152	95	3.211	3.203	0.008
152	96	3.231	3.232	-0.001
Max		3.368	3.363	0.194
Average		3.169	3.161	0.009
Min		2.916	2.904	-0.350
Std Dev		0.100	0.103	0.078



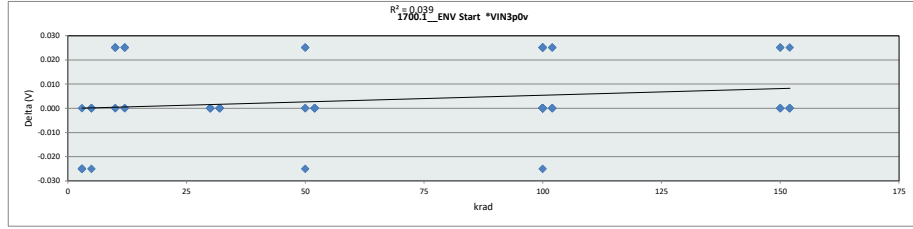
		2706.1_ENHystI *VIN7p0v													
Test Site	1														
Tester	ETS364														
Test Number	EF823401														
Max Limit	10														
Min Limit	-10														
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias	150 bias	150 unbias	150 unbias	150 unbias	
LL	-10.000	-10.000	-10.000	-10.000	-10.000	-10.000	-10.000	-10.000	-10.000	-10.000	-10.000	-10.000	-10.000	-10.000	
Min	3.115	3.090	3.064	3.027	3.055	3.129	2.950	3.019	3.066	3.129	2.904	3.116	3.116		
Average	3.116	3.155	3.140	3.029	3.206	3.177	3.122	3.086	3.236	3.132	3.070	3.203	3.203		
Max	3.117	3.172	3.334	3.030	3.351	3.249	3.363	3.224	3.346	3.134	3.191	3.290	3.290		
UL	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000		



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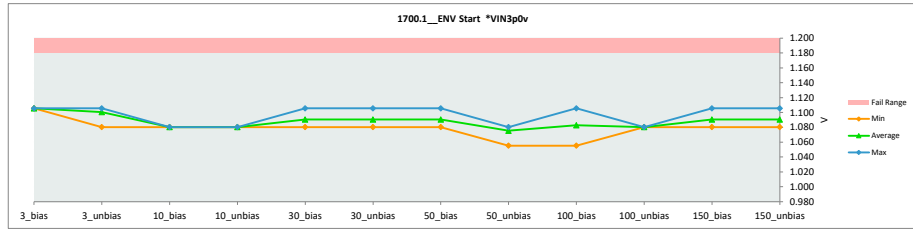
1700.1_ENV Start *VIN3p0v			
Test Site	1	1	
Tester	ETS364	ETS364	
Test Number	EF823401	EF823401	
Unit	V	V	
Max Limit	1.18	1.18	
Min Limit			

krad	Serial #	Pre Total	Post Total	Delta
3	1	1.080	1.105	-0.025
3	2	1.105	1.105	0.000
3	3	1.080	1.105	-0.025
3	4	1.080	1.105	-0.025
3	5	1.080	1.105	-0.025
10	15	1.105	1.080	0.025
10	16	1.080	1.080	0.000
10	17	1.080	1.080	0.000
10	18	1.105	1.080	0.025
10	20	1.105	1.080	0.025
30	27	1.080	1.080	0.000
30	28	1.080	1.080	0.000
30	29	1.105	1.105	0.000
30	30	1.105	1.105	0.000
30	32	1.080	1.080	0.000
50	39	1.080	1.105	-0.025
50	40	1.105	1.105	0.000
50	41	1.105	1.080	0.025
50	42	1.080	1.080	0.000
50	43	1.105	1.080	0.025
100	51	1.080	1.080	0.000
100	52	1.080	1.080	0.000
100	53	1.080	1.080	0.000
100	54	1.080	1.080	0.000
100	55	1.105	1.105	0.000
100	56	1.080	1.080	0.000
100	57	1.055	1.080	-0.025
100	58	1.080	1.080	0.000
100	59	1.080	1.080	0.000
100	60	1.105	1.080	0.025
100	61	1.105	1.105	0.000
100	62	1.080	1.080	0.000
100	64	1.105	1.105	0.000
100	66	1.080	1.080	0.000
100	67	1.080	1.055	0.025
100	69	1.080	1.080	0.000
100	71	1.080	1.080	0.000
100	72	1.105	1.080	0.025
100	73	1.105	1.080	0.025
100	74	1.080	1.080	0.000
100	75	1.105	1.080	0.025
100	76	1.080	1.080	0.000
150	84	1.105	1.105	0.000
150	86	1.105	1.080	0.025
150	87	1.105	1.105	0.000
150	88	1.080	1.080	0.000
150	89	1.105	1.080	0.025
5	8	1.080	1.080	0.000
5	10	1.080	1.105	-0.025
5	11	1.105	1.105	0.000
5	12	1.105	1.105	0.000
5	14	1.105	1.105	0.000
12	22	1.080	1.080	0.000
12	23	1.105	1.080	0.025
12	24	1.105	1.080	0.025
12	25	1.105	1.080	0.025
12	26	1.080	1.080	0.000
32	33	1.080	1.080	0.000
32	34	1.080	1.080	0.000
32	35	1.105	1.105	0.000
32	36	1.105	1.105	0.000
32	37	1.080	1.080	0.000
52	44	1.055	1.055	0.000
52	45	1.080	1.080	0.000
52	46	1.080	1.080	0.000
52	47	1.080	1.080	0.000
52	49	1.080	1.080	0.000
102	78	1.080	1.080	0.000
102	79	1.080	1.080	0.000
102	80	1.080	1.080	0.000
102	81	1.105	1.080	0.025
102	83	1.105	1.080	0.025
152	90	1.080	1.080	0.000
152	91	1.105	1.080	0.025
152	93	1.105	1.105	0.000
152	95	1.080	1.080	0.000
152	96	1.105	1.105	0.000
Max		1.105	1.105	0.025
Average		1.091	1.087	0.004
Min		1.055	1.055	-0.025
Std Dev		0.014	0.012	0.014



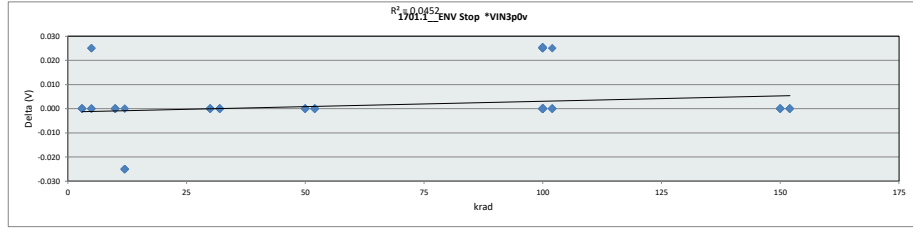
1700.1_ENV Start *VIN3p0v			
Test Site	1		
Tester	ETS364		
Test Number	EF823401		
Max Limit	1.18		
Min Limit	V		

	krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased	150 bias	150 unbiased
LL													
Min		1.106	1.080	1.080	1.080	1.080	1.080	1.080	1.055	1.055	1.080	1.080	1.080
Average		1.106	1.100	1.080	1.080	1.090	1.090	1.090	1.075	1.083	1.080	1.090	1.090
Max		1.106	1.105	1.080	1.080	1.106	1.106	1.106	1.080	1.106	1.080	1.106	1.106
UL		1.180	1.180	1.180	1.180	1.180	1.180	1.180	1.180	1.180	1.180	1.180	1.180

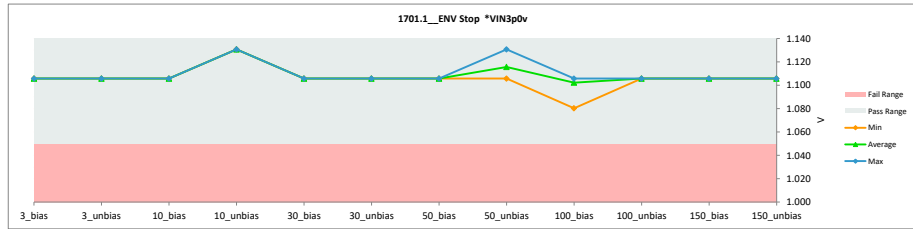


HDR TID Report  
TPS50601A-SP

		1701.1_ENV Stop *VIN3p0v		
Test Site	1	1		
Tester	ETS364	ETS364		
Test Number	EF823401	EF823401		
Unit	V	V		
Max Limit				
Min Limit	1.05	1.05		
krad	Serial #	Pre Total	Post Total	Delta
3	1	1.106	1.106	0.000
3	2	1.106	1.106	0.000
3	3	1.106	1.106	0.000
3	4	1.106	1.106	0.000
3	5	1.106	1.106	0.000
10	15	1.106	1.106	0.000
10	16	1.106	1.106	0.000
10	17	1.106	1.106	0.000
10	18	1.106	1.106	0.000
10	20	1.106	1.106	0.000
30	27	1.106	1.106	0.000
30	28	1.106	1.106	0.000
30	29	1.106	1.106	0.000
30	30	1.106	1.106	0.000
30	32	1.106	1.106	0.000
50	39	1.106	1.106	0.000
50	40	1.106	1.106	0.000
50	41	1.106	1.106	0.000
50	42	1.106	1.106	0.000
50	43	1.106	1.106	0.000
100	51	1.106	1.106	0.000
100	52	1.106	1.106	0.000
100	53	1.106	1.106	0.000
100	54	1.106	1.080	0.025
100	55	1.106	1.106	0.000
100	56	1.106	1.106	0.000
100	57	1.106	1.106	0.000
100	58	1.106	1.080	0.025
100	59	1.106	1.106	0.000
100	60	1.131	1.106	0.025
100	61	1.106	1.106	0.000
100	62	1.106	1.106	0.000
100	64	1.106	1.106	0.000
100	66	1.131	1.106	0.025
100	67	1.106	1.106	0.000
100	69	1.131	1.106	0.025
100	71	1.106	1.106	0.000
100	72	1.106	1.106	0.000
100	73	1.106	1.106	0.000
100	74	1.106	1.106	0.000
100	75	1.106	1.106	0.000
100	76	1.106	1.080	0.025
150	84	1.106	1.106	0.000
150	86	1.106	1.106	0.000
150	87	1.106	1.106	0.000
150	88	1.106	1.106	0.000
150	89	1.106	1.106	0.000
5	8	1.106	1.106	0.000
5	10	1.131	1.106	0.025
5	11	1.106	1.106	0.000
5	12	1.131	1.106	0.025
5	14	1.106	1.106	0.000
12	22	1.131	1.131	0.000
12	23	1.106	1.131	-0.025
12	24	1.106	1.131	-0.025
12	25	1.106	1.131	-0.025
12	26	1.106	1.131	-0.025
32	33	1.106	1.106	0.000
32	34	1.106	1.106	0.000
32	35	1.106	1.106	0.000
32	36	1.106	1.106	0.000
32	37	1.106	1.106	0.000
52	44	1.106	1.106	0.000
52	45	1.131	1.131	0.000
52	46	1.131	1.131	0.000
52	47	1.106	1.106	0.000
52	49	1.106	1.106	0.000
102	78	1.106	1.106	0.000
102	79	1.106	1.106	0.000
102	80	1.106	1.106	0.000
102	81	1.131	1.106	0.025
102	83	1.106	1.106	0.000
152	90	1.106	1.106	0.000
152	91	1.106	1.106	0.000
152	93	1.106	1.106	0.000
152	95	1.106	1.106	0.000
152	96	1.106	1.106	0.000
Max		1.131	1.131	0.025
Average		1.109	1.107	0.002
Min		1.106	1.080	-0.025
Std Dev		0.008	0.009	0.010

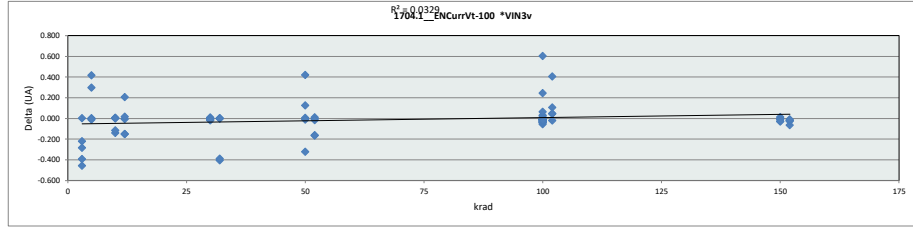


		1701.1_ENV Stop *VIN3p0v													
Test Site	1														
Tester	ETS364														
Test Number	EF823401														
Max Limit	V														
Min Limit	1.05	V													
krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased	150 bias	150 unbiased			
LL	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	
Min	1.106	1.106	1.106	1.131	1.106	1.106	1.106	1.106	1.080	1.106	1.106	1.106	1.106	1.106	
Average	1.106	1.106	1.106	1.131	1.106	1.106	1.106	1.116	1.102	1.106	1.106	1.106	1.106	1.106	
Max	1.106	1.106	1.106	1.131	1.106	1.106	1.106	1.131	1.106	1.106	1.106	1.106	1.106	1.106	
UL															

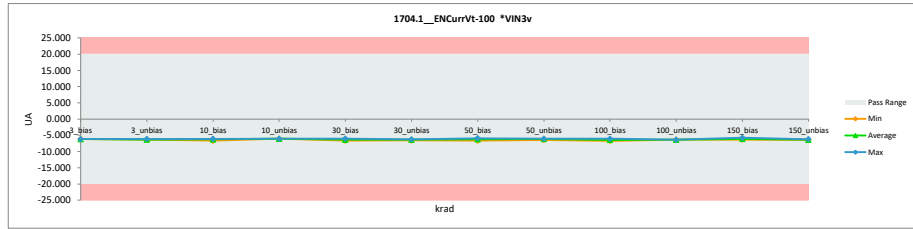


HDR TID Report  
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		1704.1_ENCurrVt-100 *VIN3v		
Test Site	1	1		
Tester	ETS364	ETS364		
Test Number	EF823401	EF823401		
Unit	UA	UA		
Max Limit	20	20		
Min Limit	-20	-20		
krad	Serial #	Pre Total	Post Total	Delta
3	1	-6.618	-6.162	-0.457
3	2	-6.160	-6.162	0.002
3	3	-6.382	-6.161	-0.221
3	4	-6.556	-6.164	-0.393
3	5	-6.448	-6.164	-0.284
10	15	-6.085	-6.088	0.003
10	16	-6.673	-6.680	0.007
10	17	-6.152	-6.152	0.000
10	18	-6.294	-6.154	-0.140
10	20	-6.269	-6.153	-0.116
30	27	-6.654	-6.663	0.009
30	28	-6.309	-6.295	-0.014
30	29	-6.019	-6.018	-0.001
30	30	-6.316	-6.312	-0.004
30	32	-6.486	-6.467	-0.019
50	39	-6.165	-6.292	0.126
50	40	-6.288	-6.294	0.006
50	41	-6.260	-6.249	-0.011
50	42	-6.573	-6.251	-0.322
50	43	-6.152	-6.573	0.421
100	51	-6.603	-6.633	0.030
100	52	-6.351	-6.295	-0.056
100	53	-6.358	-6.325	-0.032
100	54	-6.698	-6.684	-0.014
100	55	-6.449	-6.412	-0.037
100	56	-6.232	-6.256	0.023
100	57	-6.552	-6.541	-0.011
100	58	-6.605	-6.579	-0.026
100	59	-6.407	-6.395	-0.011
100	60	-6.090	-6.052	-0.038
100	61	-6.259	-6.254	-0.005
100	62	-6.229	-6.226	-0.003
100	64	-6.640	-6.596	-0.044
100	66	-6.282	-6.273	-0.009
100	67	-6.415	-6.407	-0.008
100	69	-6.523	-6.504	-0.019
100	71	-6.439	-6.409	-0.030
100	72	-6.423	-6.410	-0.013
100	73	-6.343	-6.407	0.064
100	74	-6.431	-6.409	-0.022
100	75	-6.165	-6.410	0.245
100	76	-5.975	-6.579	0.604
150	84	-6.130	-6.143	0.013
150	86	-6.114	-6.111	-0.003
150	87	-5.810	-5.783	-0.026
150	88	-6.162	-6.156	-0.006
150	89	-6.332	-6.301	-0.030
5	8	-6.119	-6.121	0.003
5	10	-6.366	-6.354	-0.012
5	11	-6.357	-6.355	-0.001
5	12	-6.057	-6.354	0.298
5	14	-5.938	-6.355	0.417
12	22	-6.073	-6.066	-0.007
12	23	-5.860	-6.066	0.206
12	24	-6.049	-6.067	0.018
12	25	-6.218	-6.068	-0.150
12	26	-6.222	-6.071	-0.151
32	33	-6.501	-6.499	-0.001
32	34	-6.654	-6.657	0.003
32	35	-6.325	-5.920	-0.405
32	36	-5.921	-5.921	0.000
32	37	-6.478	-6.089	-0.389
52	44	-6.398	-6.409	0.010
52	45	-6.097	-6.093	-0.004
52	46	-6.257	-6.095	-0.162
52	47	-6.081	-6.065	-0.016
52	49	-6.227	-6.063	-0.165
102	78	-6.318	-6.363	0.046
102	79	-6.257	-6.363	0.106
102	80	-6.383	-6.363	-0.020
102	81	-5.954	-6.359	0.405
102	83	-6.314	-6.362	0.047
152	90	-6.544	-6.480	-0.065
152	91	-6.211	-6.191	-0.019
152	93	-6.411	-6.385	-0.027
152	95	-6.289	-6.267	-0.022
152	96	-6.475	-6.466	-0.009
Max		-5.810	-5.783	0.027
Average		-6.302	-6.289	-0.012
Min		-6.698	-6.684	-0.014
Std Dev		0.205	0.195	0.010



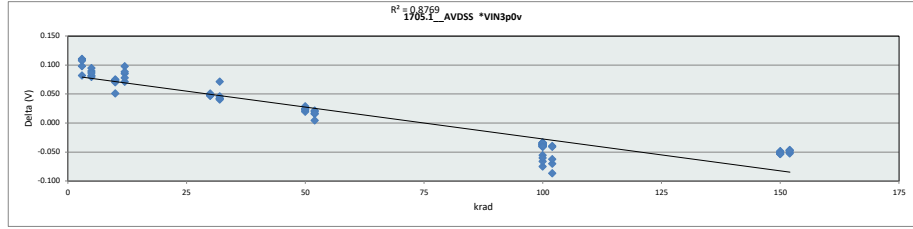
		1704.1_ENCurrVt-100 *VIN3v													
Test Site	1														
Tester	ETS364														
Test Number	EF823401														
Max Limit	20	UA													
Min Limit	-20	UA													
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias	150 bias	150 unbias	150 unbias	150 unbias	
LL	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000	
Min	-6.164	-6.355	-6.680	-6.071	-6.663	-6.573	-6.657	-6.409	-6.684	-6.363	-6.302	-6.480	-6.480	-6.480	
Average	-6.163	-6.308	-6.245	-6.068	-6.351	-6.332	-6.217	-6.145	-6.412	-6.362	-6.099	-6.358	-6.358	-6.358	
Max	-6.162	-6.121	-6.088	-6.066	-6.018	-6.249	-5.920	-6.063	-6.052	-6.359	-5.783	-6.191	-6.191	-6.191	
UL	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000		



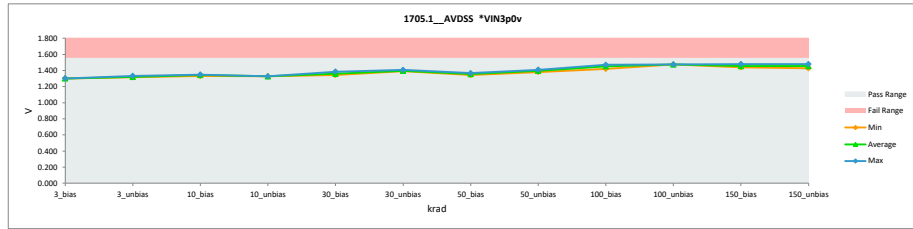


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1705.1_AVDSS *VIN3p0v					
Test Site	1		1		
Tester	ETS364		ETS364		
Test Number	EF823401		EF823401		
Unit	V		V		
Max Limit	1.55		1.55		
Min Limit	0		0		
krad	Serial #	Pre Total	Post Total	Delta	
3	1	1.411	1.302	0.109	
3	2	1.384	1.302	0.082	
3	3	1.411	1.301	0.110	
3	4	1.400	1.302	0.098	
3	5	1.409	1.302	0.107	
10	15	1.419	1.344	0.075	
10	16	1.405	1.331	0.074	
10	17	1.421	1.347	0.074	
10	18	1.418	1.348	0.070	
10	20	1.398	1.347	0.051	
30	27	1.433	1.385	0.048	
30	28	1.408	1.361	0.047	
30	29	1.391	1.343	0.048	
30	30	1.394	1.343	0.051	
30	32	1.415	1.367	0.048	
50	39	1.412	1.393	0.019	
50	40	1.415	1.393	0.022	
50	41	1.430	1.406	0.024	
50	42	1.420	1.395	0.025	
50	43	1.427	1.398	0.029	
100	51	1.425	1.460	-0.035	
100	52	1.380	1.421	-0.041	
100	53	1.417	1.454	-0.038	
100	54	1.419	1.455	-0.036	
100	55	1.407	1.444	-0.037	
100	56	1.420	1.459	-0.039	
100	57	1.410	1.451	-0.041	
100	58	1.417	1.455	-0.038	
100	59	1.401	1.439	-0.038	
100	60	1.412	1.449	-0.037	
100	61	1.408	1.442	-0.034	
100	62	1.395	1.428	-0.034	
100	64	1.403	1.442	-0.039	
100	66	1.412	1.448	-0.036	
100	67	1.434	1.470	-0.036	
100	69	1.403	1.443	-0.040	
100	71	1.388	1.463	-0.075	
100	72	1.407	1.462	-0.056	
100	73	1.396	1.462	-0.066	
100	74	1.428	1.462	-0.034	
100	75	1.422	1.462	-0.041	
100	76	1.394	1.455	-0.060	
150	84	1.391	1.445	-0.053	
150	86	1.389	1.441	-0.052	
150	87	1.430	1.479	-0.049	
150	88	1.408	1.458	-0.050	
150	89	1.392	1.446	-0.054	
5	8	1.413	1.334	0.079	
5	10	1.406	1.316	0.090	
5	11	1.398	1.316	0.082	
5	12	1.411	1.316	0.095	
5	14	1.402	1.316	0.086	
12	22	1.398	1.327	0.071	
12	23	1.424	1.327	0.098	
12	24	1.412	1.327	0.085	
12	25	1.404	1.327	0.078	
12	26	1.415	1.327	0.088	
32	33	1.408	1.366	0.042	
32	34	1.407	1.367	0.040	
32	35	1.396	1.350	0.046	
32	36	1.393	1.350	0.042	
32	37	1.416	1.344	0.071	
52	44	1.429	1.409	0.020	
52	45	1.398	1.382	0.016	
52	46	1.403	1.381	0.021	
52	47	1.420	1.404	0.016	
52	49	1.408	1.404	0.004	
102	78	1.435	1.474	-0.040	
102	79	1.404	1.474	-0.070	
102	80	1.433	1.474	-0.041	
102	81	1.388	1.474	-0.087	
102	83	1.411	1.474	-0.063	
152	90	1.390	1.440	-0.051	
152	91	1.376	1.429	-0.053	
152	93	1.408	1.456	-0.048	
152	95	1.433	1.479	-0.047	
152	96	1.419	1.467	-0.047	
	Max	1.435	1.479	0.110	
	Average	1.409	1.401	0.008	
	Min	1.376	1.301	-0.087	
	Std Dev	0.014	0.059	0.058	

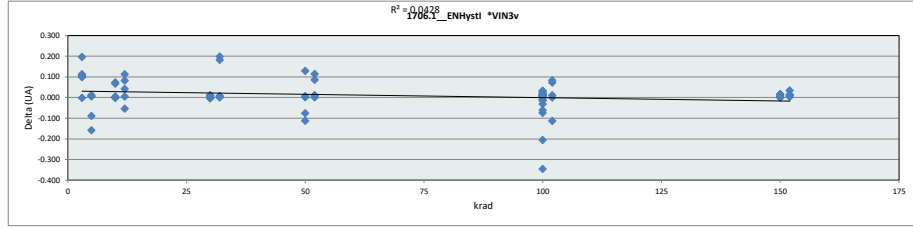


1705.1_AVDSS *VIN3p0v														
Test Site	1													
Tester	ETS364													
Test Number	EF823401													
Max Limit	1.55													
Min Limit	0													
krad	3 bias	3 unbias	10 bias	10 unbias	30 bias	30 unbias	50 bias	50 unbias	100 bias	100 unbias	150 bias	150 unbias	150 unbias	150 unbias
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	1.301	1.316	1.331	1.327	1.343	1.393	1.344	1.381	1.421	1.474	1.441	1.429	1.429	1.429
Average	1.302	1.320	1.344	1.327	1.360	1.397	1.356	1.396	1.451	1.474	1.454	1.454	1.454	1.454
Max	1.302	1.334	1.348	1.327	1.385	1.406	1.367	1.409	1.470	1.479	1.479	1.479	1.479	1.479
UL	1.550	1.550	1.550	1.550	1.550	1.550	1.550	1.550	1.550	1.550	1.550	1.550	1.550	1.550

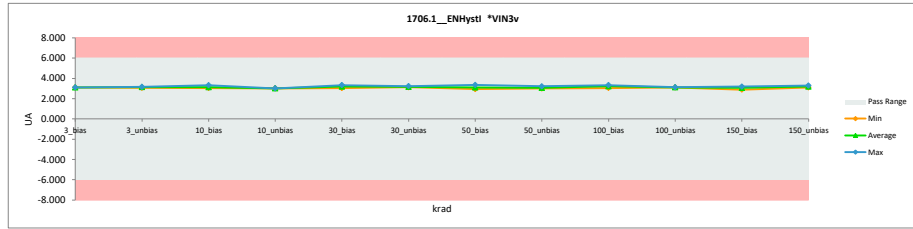


HDR TID Report  
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		1706.1_ENHystI *VIN3v		
Test Site	1			
Tester	ETS364			
Test Number	EF823401			
Unit	UA			
Max Limit	6			
Min Limit	-6			
krad	Serial #	Pre Total	Post Total	Delta
3	1	3.304	3.108	0.196
3	2	3.106	3.108	-0.002
3	3	3.213	3.107	0.105
3	4	3.219	3.107	0.112
3	5	3.206	3.108	0.098
10	15	3.054	3.056	-0.003
10	16	3.328	3.326	0.003
10	17	3.096	3.092	0.004
10	18	3.165	3.092	0.073
10	20	3.160	3.093	0.066
30	27	3.335	3.340	-0.005
30	28	3.158	3.147	0.011
30	29	3.050	3.048	0.002
30	30	3.206	3.203	0.003
30	32	3.261	3.250	0.011
50	39	3.104	3.180	-0.076
50	40	3.180	3.179	0.001
50	41	3.128	3.122	0.006
50	42	3.251	3.123	0.128
50	43	3.129	3.242	-0.113
100	51	3.283	3.293	-0.011
100	52	3.185	3.153	0.032
100	53	3.181	3.162	0.020
100	54	3.337	3.331	0.006
100	55	3.245	3.226	0.019
100	56	3.151	3.166	-0.015
100	57	3.277	3.270	0.008
100	58	3.351	3.337	0.014
100	59	3.222	3.226	0.006
100	60	3.081	3.054	0.027
100	61	3.174	3.162	0.011
100	62	3.078	3.075	0.003
100	64	3.331	3.299	0.031
100	66	3.192	3.188	0.004
100	67	3.230	3.229	0.001
100	69	3.282	3.271	0.011
100	71	3.172	3.246	-0.074
100	72	3.215	3.247	-0.032
100	73	3.186	3.247	-0.061
100	74	3.259	3.247	0.012
100	75	3.041	3.247	-0.206
100	76	2.991	3.337	-0.346
150	84	3.020	3.021	-0.001
150	86	3.120	3.113	0.007
150	87	2.911	2.895	0.016
150	88	3.090	3.086	0.003
150	89	3.203	3.187	0.016
5	8	3.084	3.079	0.006
5	10	3.175	3.163	0.011
5	11	3.168	3.161	0.006
5	12	3.072	3.161	-0.089
5	14	3.000	3.159	-0.159
12	22	3.024	3.020	0.005
12	23	2.970	3.024	-0.054
12	24	3.062	3.020	0.041
12	25	3.099	3.017	0.082
12	26	3.134	3.022	0.112
32	33	3.282	3.276	0.006
32	34	3.363	3.356	0.007
32	35	3.140	2.942	0.198
32	36	2.944	2.944	0.000
32	37	3.236	3.055	0.182
52	44	3.217	3.217	0.000
52	45	3.014	3.007	0.008
52	46	3.123	3.010	0.114
52	47	3.085	3.074	0.011
52	49	3.159	3.074	0.085
102	78	3.190	3.118	0.072
102	79	3.119	3.119	0.000
102	80	3.131	3.121	0.010
102	81	3.004	3.117	-0.113
102	83	3.199	3.116	0.083
152	90	3.316	3.282	0.034
152	91	3.120	3.110	0.010
152	93	3.173	3.163	0.010
152	95	3.208	3.194	0.014
152	96	3.224	3.221	0.003
	Max	3.363	3.356	0.198
	Average	3.162	3.152	0.011
	Min	2.911	2.895	-0.346
	Std Dev	0.101	0.103	0.078



		1706.1_ENHystI *VIN3v											
Test Site	1												
Tester	ETS364												
Test Number	EF823401												
Max Limit	6	UA											
Min Limit	-6	UA											
krad	3 bias	3 unbiased	10 bias	10 unbiased	30 bias	30 unbiased	50 bias	50 unbiased	100 bias	100 unbiased	150 bias	150 unbiased	
LL	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000	
Min	3.107	3.079	3.057	3.017	3.048	3.122	2.942	3.007	3.054	3.116	2.895	3.110	
Average	3.108	3.145	3.132	3.021	3.198	3.169	3.115	3.076	3.228	3.118	3.061	3.194	
Max	3.108	3.163	3.326	3.024	3.340	3.242	3.356	3.217	3.337	3.121	3.187	3.282	
UL	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	



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