



ABSTRACT

This report discusses the results of the total ionizing dose (TID) testing for the Texas Instruments TPS7H4002-SP 3.0-V to 5.5-V, 3.0-A, synchronous buck converter. 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 pass within the specified test limits up to 100 krad(Si).

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Trademarks

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1 Device Information

1.1 Product Description

The TPS7H4002-SP is a space-grade, 3.0-V to 5.5-V input, 3.0-A, synchronous buck point-of-load (POL) converter optimized for small designs through high-efficiency and integrating high-side and low-side MOSFETs. Further space savings are achieved through current mode control, which reduces component count, and a high-switching frequency that reduces inductor footprint.

Protection features include thermal shutdown, cycle-by-cycle current limiting, and a low-side sinking current. The TPS7H4002-SP is offered in a thermally enhanced 20-pin ceramic, dual in line flat-pack package.

1.2 Device Details

[Table 1-1](#) lists the device information used in this TID characterization report.

Table 1-1. Device and Exposure Details

RHA TID Details: up to 100 krad(Si)	
TI Part Number	TPS7H4002-SP
Orderable Number	5962R2021001VSC, 5962R2021001V9A
Device Function	POL Switching Regulator
Die Name	RTPS7H4002A1VM
Package	20-pin CFP (HKH)
Technology	LBC7 (250-nm Linear BiCMOS)
Quantity Tested	LDR - 67, HDR - 77
Lot Accept/Reject	All levels tested and passed up to 100 krad(Si) for HDR and LDR
HDR Radiation Facility	Texas Instruments Santa Clara - Santa Clara, CA
Die Lot# / Assembly Lot#	296347 / 001055
Date Code	2052B
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	57 rad(Si)/s
HDR Radiation Source	Gammacell 220 Excel (GC-220E) Co-60
Irradiation Temperature	Ambient, room temperature
LDR Radiation Facility	Radiation Test Solutions (RTS) - Colorado Springs, CO
Die Lot# / Assembly Lot#	296347 / 0010354
Date Code	2052A
LDR Dose Level	3 krad(Si), 10 krad(Si), 30 krad(Si), 50 krad(Si), 100 krad(Si), 150 krad(Si)
LDR Dose Rate	0.01 rad(Si)/s
LDR Radiation Source	Gammacell JLSA GB150 Co-60



Figure 1-1. TPS7H4002-SP Devices Used in TID Exposure

The TPS7H4002-SP is packaged in a 20-pin thermally-enhanced dual ceramic flat pack package (HKH) as shown in [Figure 1-1](#).

2 Total Dose Test Setup

2.1 Test Overview

The TPS7H4002-SP was tested according to MIL-STD-883, Test Method 1019.9. For this testing, Conditions A and D were 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).

2.2 Test Description and Facilities

The TPS7H4002-SP LDR exposure was performed on biased and unbiased devices in a Co-60 gammacell 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, devices were electrically tested at Texas Instruments. The test program consists of guard band test limits set within SMD electrical test limits to ensure a minimum Cpk and test error margin based on initial qualification and characterization data.

The TPS7H4002-SP HDR exposure was performed on biased and unbiased devices in a Co-60 gammacell at TI SVA facility in Santa Clara, California. The un-attenuated dose rate of this cell is 57 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 at TI's Dallas test facility. The same test program was used as with LDR samples. Test limit guard bands are set within SMD electrical test limits. Post-radiation measurements were taken within 30 minutes after removing device 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 LDR and HDR exposure were tested in both biased and unbiased conditions in two situations described as follows.

2.3.1 Unbiased

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

2.3.2 Biased

Figure 2-1 shows the diagram for LDR and HDR exposure with biased condition.

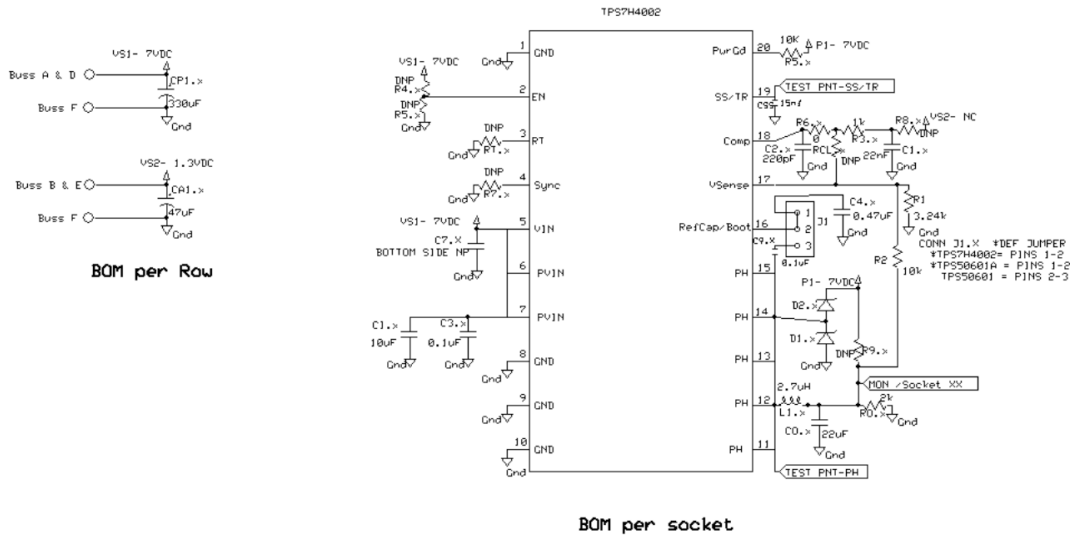


Figure 2-1. LDR and HDR TID Bias Diagram

2.4 Test Configuration and 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. LDR 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 2-1. HDR ≤ 50–100 rad(Si)/s Biased Device Information

Total Samples: 47					
Exposure Levels:					
3 krad(Si)	10 krad(Si)	30 krad(Si)	50 krad(Si)	100 krad(Si)	150 krad(Si)
79, 150, 159, 351, 146	149, 122, 182, 280, 314	9, 190, 157, 65, 102	332, 333, 256, 265, 330	165, 88, 16, 342, 166, 244, 33, 77, 27, 255, 22, 168, 89, 233, 251, 31, 286, 305, 295, 205, 212, 135	191, 239, 195, 262, 161

Table 2-2. HDR = 50–100 rad(Si)/s Unbiased Device Information

Total Samples: 30					
Exposure Levels:					
3 krad(Si)	10 krad(Si)	30 krad(Si)	50 krad(Si)	100 krad(Si)	150 krad(Si)
132, 357, 276, 256, 273	60, 194, 97, 264, 284	64, 101, 59, 25, 287	40, 335, 294, 302, 331	161, 191, 195, 239, 261	119, 201, 234, 247, 288

Note:

Effective dose rate 100-krad(Si) post-anneal: 165 mrad(Si)/s. Unbiased 100-krad(Si) HDR samples annealed under bias at 25°C for 168 hrs. All samples pass electrical test parameters.

Table 2-3. LDR = 10 mrad(Si)/s Biased Exposure Information

Total Samples: 52				
Exposure Levels:				
3 krad(Si)	10 krad(Si)	30 krad(Si)	50 krad(Si)	100 krad(Si)
48, 49, 51, 54, 56	65, 67, 68, 73, 74	81, 83, 84, 86, 89	107, 108, 110, 111, 113	125, 126, 127, 128, 129, 130, 132, 198, 199, 201, 208, 209, 210, 214, 217, 218, 219, 220, 317, 318, 322, 323

Table 2-4. LDR = 10 mrad(Si)/s Unbiased Exposure Information

Total Samples: 25				
Exposure Levels:				
3 krad(Si)	10 krad(Si)	30 krad(Si)	50 krad(Si)	100 krad(Si)
57, 58, 59, 61, 62	75, 76, 77, 78, 79	94, 96, 98, 100, 102	114, 115, 118, 119, 122	325, 327, 330, 332, 333

3 TID Characterization Test Results

3.1 TID Characterization Summary Results

The parametric data for the TPS7H4002-SP passes up to 100-krad(Si) LDR and 100-krad(Si) HDR TID. After HDR irradiation, device requires room temperature anneal of 168 hours per MIL-STD-883, method 1019, condition A, section 3.11.2 and observed devices electrical parametric limit bounce back to specification limit after annealing. The HDR 150-krad(Si) rebound test with 100°C/168 hrs anneal passed all post-irradiation tests. The drift of SMD electrical parameters through LDR and HDR were within the pre-irradiation characterization limits. Overall the TPS7H4002-SP show 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 difference between pre- and post-irradiation with respect to SMD electrical min-max specification. The measurements taken post-irradiation for each sample set show marginal shift for most parameters at each dose level for both biased and unbiased devices. The parameters that did show a greater degree of change between pre- and post-irradiation were still within the SMD electrical specification. The tables that follow the graphs show 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 3-1. TPS7H4002-SP Specification Compliance Matrix

PARAMETER	TEST CONDITION	TPS7H4002-SP DATA SHEET (SLVSFL2)			ATE TEST #
		MIN	MAX	UNIT	
VIN internal UVLO threshold	VIN rising		3.0	V	15.0, 15.1
Minimum VIN for valid output	V(PWRGD) < 0.5 V at 100 μ A		1.0	mV	15.3
Voltage reference	0 A \leq Iout \leq 3 A, -55°C	0.795	0.817	V	20.1, 21.1, 22.1
	0 A \leq Iout \leq 3 A, 25°C	0.796	0.818		
	0 A \leq Iout \leq 3 A, 125°C	0.797	0.819		
Error amplifier transconductance (gm)	2 μ A < ICOMP < 2 μ A, V(COMP) = 1 V	900	1900	μ S	25.0, 25.1, 26.0, 26.1, 27.0, 27.1
Error amplifier source current	V(COMP) = 1 V, 100-mV input overdrive	85	185	μ A	25.4, 26.4, 27.4
Error amplifier sink current	V(COMP) = 1 V, 100-mV input overdrive	85	185	μ A	25.3, 26.3, 27.3
SS/TR to VSENSE matching	V(SS/TR) = 0.4 V		90	mV	25.2, 26.2, 27.2
SS charge current		1.5	3.0	μ A	30.6, 31.6, 32.6
Output low	I(PWRGD) = 2 mA		0.3	V	30.2, 31.2, 32.2
VIN operating – non-switching supply current	VSENSE = VBG		5.0	mA	30.3, 31.3, 32.3
VIN shutdown supply current	VEN = 0 V		3.0	mA	35.0, 36.0, 37.0
Output high leakage	VSENSE = Vref, V(PWRGD) = 5 V		181	μ A	39.0, 39.1, 39.2
Internally set frequency	RT = Open	395	585	kHz	50.0, 51.0
SYNC out low level threshold	IOH = 50 μ A		600	mV	50.3, 51.3
SYNC out low-to-high rise time (10%/90%)	Cload = 25 pF		130	nS	51.1, 50.1
SYNC out high-to-low fall time (90%/10%)	Cload = 25 pF		15.5	nS	51.2, 50.2
SYNC out high level threshold	IOH = 50 μ A	VIN-0.3		V	51.4, 50.4
Externally set frequency	RT = 100 k Ω (1%)	395	585	kHz	55.4, 56.4, 57.4
	RT = 487 k Ω (1%)	80	115		55.2, 56.2, 57.2
	RT = 47 k Ω (1%)	900	1100		55.3, 56.3, 57.3
SYNC in low level threshold	PVIN = VIN = 3.0 V		700		60.1
SYNC in high level threshold	PVIN = VIN = 3.0 V	4.25			60.0
SYNC in low level threshold	PVIN = VIN = 5.5 V		700	mV	61.1
SYNC in high level threshold	PVIN = VIN = 5.5 V	4.25		V	61.0
SYNC in frequency range		100	1000	kHz	61.0, 61.1
Minimum on time	Measured at 10% to 90% of VIN, +25°C, IPH = 2 A		235	nS	65.0, 65.3
Enable threshold	Rising		1.18	V	72.0, 71.0, 70.0
	Falling	1.05			72.1, 71.1, 70.1
Minimum SS/TR voltage for PWRGD			1.55	V	72.6, 71.6, 70.6

4 Applicable and Reference Documents

4.1 Applicable Documents

- Texas Instruments, [Radiation-Hardness-Assured 3-V to 5.5-V Input, 3-A Synchronous Step Down Converter data sheet](#)
- Texas Instruments, [TPS7H4002EVM-CVAL Evaluation Module user's guide](#)

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.

5 Revision History

NOTE: Page numbers for previous revisions may differ from page numbers in the current version.

Changes from Revision * (July 2021) to Revision A (August 2021)	Page
• Added LDR data and references throughout the document.....	1

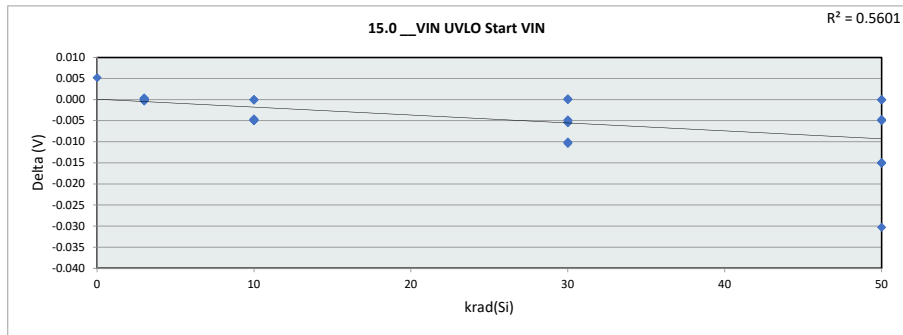
A Appendix: HDR TID Report Data

This appendix provides the TPS7H4002-SP HDR TID report data.

HDR Report
5962R2021001VSC (TPS7H4002-SP)

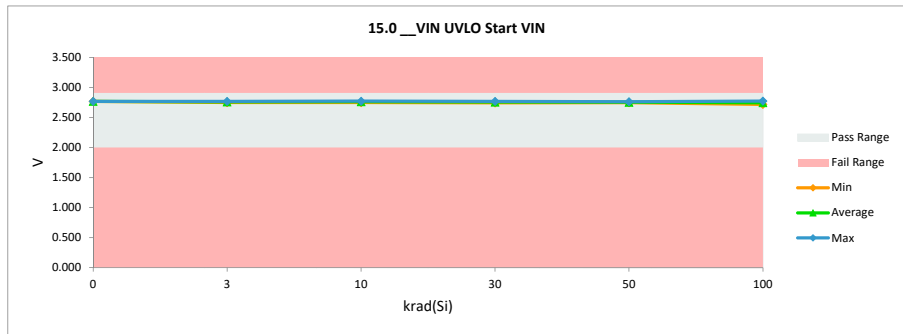
15.0 __VIN UVLO Start VIN		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	2.9	2.9
Min Limit	2	2

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	2.762	2.767	0.005
3	79	2.758	2.758	0.000
3	150	2.748	2.747	0.000
3	159	2.763	2.763	0.000
3	351	2.767	2.767	0.000
3	146	2.758	2.758	0.000
3	132u	2.757	2.758	0.000
3	357u	2.753	2.753	0.000
3	276u	2.763	2.763	0.000
3	256u	2.763	2.763	0.000
3	273u	2.762	2.763	0.000
10	149	2.767	2.763	-0.005
10	122	2.757	2.753	-0.005
10	182	2.763	2.758	-0.005
10	280	2.767	2.763	-0.005
10	314	2.777	2.773	-0.005
10	60u	2.763	2.763	0.000
10	194u	2.762	2.758	-0.005
10	97u	2.763	2.763	0.000
10	264u	2.753	2.747	-0.005
10	284u	2.773	2.773	0.000
30	9	2.768	2.757	-0.010
30	190	2.763	2.758	-0.005
30	157	2.753	2.747	-0.006
30	65	2.753	2.742	-0.010
30	102	2.758	2.753	-0.005
30	64u	2.758	2.758	0.000
30	101u	2.763	2.753	-0.010
30	59u	2.768	2.762	-0.005
30	25u	2.767	2.767	0.000
30	287u	2.757	2.758	0.000
50	332	2.758	2.758	0.000
50	333	2.778	2.747	-0.030
50	259	2.763	2.758	-0.005
50	265	2.763	2.748	-0.015
50	330	2.753	2.753	0.000
50	40u	2.768	2.753	-0.015
50	335u	2.758	2.753	-0.005
50	294u	2.767	2.753	-0.015
50	302u	2.767	2.763	-0.005
50	331u	2.753	2.753	0.000
100	165	2.758	2.737	-0.020
100	88	2.753	2.743	-0.010
100	16	2.763	2.747	-0.015
100	342	2.767	2.733	-0.035
100	166	2.763	2.733	-0.030
100	244	2.773	2.748	-0.025
100	33	2.763	2.737	-0.025
100	77	2.747	2.733	-0.015
100	27	2.743	2.717	-0.025
100	255	2.767	2.747	-0.020
100	22	2.773	2.748	-0.025
100	168	2.773	2.753	-0.020
100	89	2.768	2.747	-0.020
100	233	2.767	2.747	-0.020



15.0 __VIN UVLO Start VIN		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	2.9	V
Min Limit	2	V

krad(Si)	0	3	10	30	50	100
LL	2.000	2.000	2.000	2.000	2.000	2.000
Min	2.768	2.748	2.748	2.742	2.747	2.718
Average	2.768	2.759	2.761	2.756	2.754	2.744
Max	2.768	2.768	2.773	2.768	2.763	2.773
UL	2.900	2.900	2.900	2.900	2.900	2.900



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100	251	2.758	2.737	-0.020
100	31	2.763	2.732	-0.030
100	286	2.758	2.737	-0.020
100	305	2.753	2.733	-0.020
100	295	2.763	2.737	-0.025
100	205	2.767	2.748	-0.020
100	212	2.768	2.748	-0.020
100	135	2.767	2.742	-0.025
100	239u	2.773	2.767	-0.005
100	195u	2.753	2.748	-0.005
100	262u	2.778	2.773	-0.005
100	161u	2.767	2.763	-0.005
100	191u	2.753	2.753	0.000
	Max	2.778	2.773	0.005
	Average	2.762	2.752	-0.010
	Min	2.743	2.717	-0.035
	Std Dev	0.007	0.011	0.010

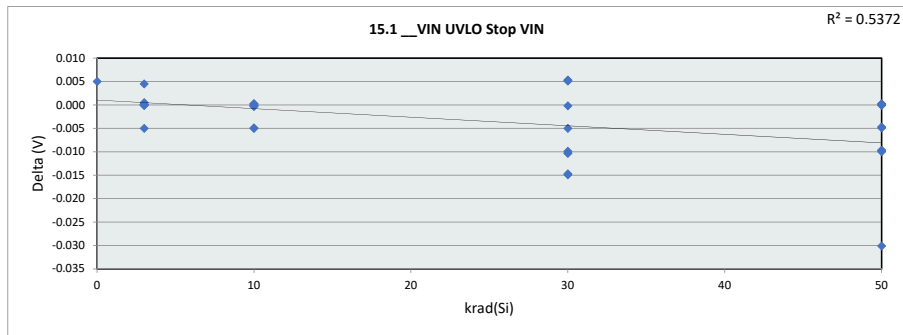
Note: "u" denotes unbiased sample

HDR Report

5962R2021001VSC (TPS7H4002-SP)

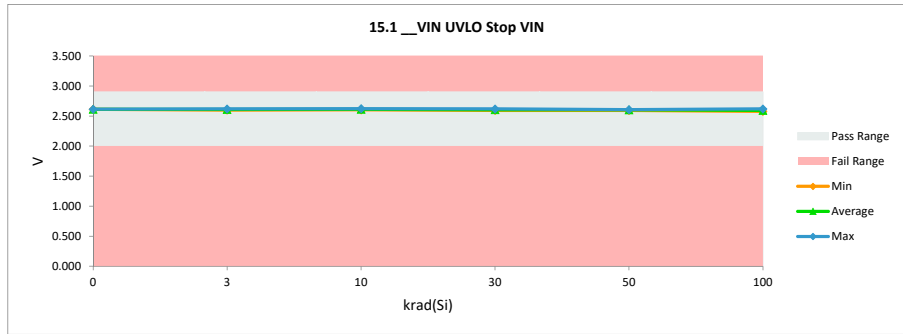
15.1 __VIN UVLO Stop VIN		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	2.9	2.9
Min Limit	2	2

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	2.608	2.613	0.005
3	79	2.612	2.613	0.000
3	150	2.608	2.608	0.000
3	159	2.612	2.613	0.000
3	351	2.618	2.618	0.000
3	146	2.608	2.608	0.000
3	132u	2.603	2.607	0.005
3	357u	2.603	2.598	-0.005
3	276u	2.608	2.608	0.000
3	256u	2.607	2.608	0.000
3	273u	2.608	2.608	0.000
10	149	2.612	2.608	-0.005
10	122	2.603	2.603	0.000
10	182	2.618	2.618	0.000
10	280	2.613	2.613	0.000
10	314	2.622	2.623	0.000
10	60u	2.613	2.613	0.000
10	194u	2.608	2.602	-0.005
10	97u	2.613	2.612	0.000
10	264u	2.603	2.602	0.000
10	284u	2.622	2.623	0.000
30	9	2.612	2.603	-0.010
30	190	2.613	2.602	-0.010
30	157	2.598	2.593	-0.005
30	65	2.603	2.592	-0.010
30	102	2.612	2.598	-0.015
30	64u	2.603	2.603	0.000
30	101u	2.618	2.603	-0.015
30	59u	2.612	2.618	0.005
30	25u	2.612	2.618	0.005
30	287u	2.603	2.608	0.005
50	332	2.603	2.603	0.000
50	333	2.623	2.592	-0.030
50	259	2.608	2.608	0.000
50	265	2.608	2.603	-0.005
50	330	2.608	2.608	0.000
50	40u	2.612	2.603	-0.010
50	335u	2.613	2.603	-0.010
50	294u	2.612	2.603	-0.010
50	302u	2.612	2.608	-0.005
50	331u	2.598	2.598	0.000
100	165	2.613	2.583	-0.030
100	88	2.598	2.592	-0.005
100	16	2.608	2.593	-0.015
100	342	2.613	2.583	-0.030
100	166	2.612	2.593	-0.020
100	244	2.618	2.598	-0.020
100	33	2.608	2.592	-0.015
100	77	2.603	2.578	-0.025
100	27	2.598	2.583	-0.015
100	255	2.613	2.593	-0.020
100	22	2.612	2.592	-0.020
100	168	2.622	2.603	-0.020
100	89	2.613	2.592	-0.020
100	233	2.618	2.598	-0.020



15.1 __VIN UVLO Stop VIN		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	2.9	V
Min Limit	2	V

krad(Si)	0	3	10	30	50	100
LL	2.000	2.000	2.000	2.000	2.000	2.000
Min	2.613	2.598	2.602	2.592	2.593	2.578
Average	2.613	2.609	2.612	2.604	2.603	2.594
Max	2.613	2.618	2.623	2.618	2.608	2.618
UL	2.900	2.900	2.900	2.900	2.900	2.900



HDR Report

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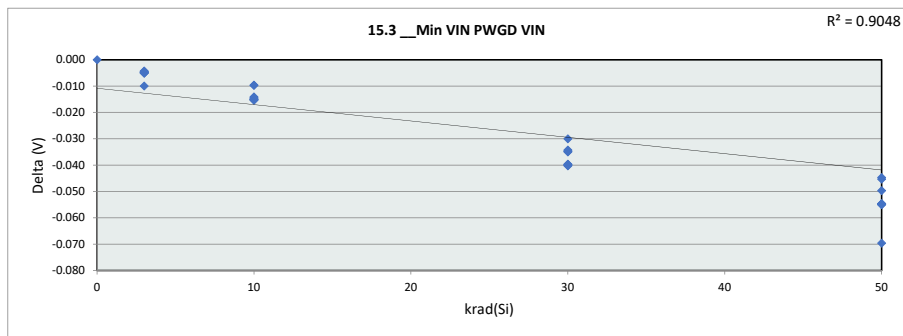
100	251	2.613	2.588	-0.025
100	31	2.608	2.588	-0.020
100	286	2.608	2.593	-0.015
100	305	2.608	2.578	-0.030
100	295	2.618	2.598	-0.020
100	205	2.612	2.598	-0.015
100	212	2.613	2.592	-0.020
100	135	2.618	2.593	-0.025
100	239u	2.622	2.613	-0.010
100	195u	2.598	2.598	0.000
100	262u	2.622	2.618	-0.005
100	161u	2.618	2.613	-0.005
100	191u	2.603	2.598	-0.005
	Max	2.623	2.623	0.005
	Average	2.610	2.602	-0.009
	Min	2.598	2.578	-0.030
	Std Dev	0.007	0.011	0.010

HDR Report

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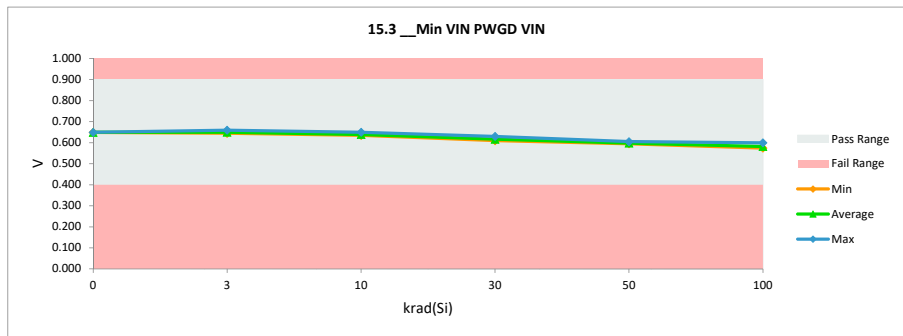
15.3 __Min VIN PWGD VIN		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	0.9	0.9
Min Limit	0.4	0.4

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	0.649	0.649	0.000
3	79	0.649	0.645	-0.005
3	150	0.649	0.645	-0.005
3	159	0.660	0.655	-0.005
3	351	0.655	0.645	-0.010
3	146	0.660	0.655	-0.005
3	132u	0.660	0.655	-0.005
3	357u	0.650	0.645	-0.005
3	276u	0.650	0.645	-0.005
3	256u	0.664	0.660	-0.004
3	273u	0.655	0.650	-0.005
10	149	0.660	0.645	-0.015
10	122	0.650	0.635	-0.015
10	182	0.650	0.636	-0.014
10	280	0.650	0.635	-0.015
10	314	0.664	0.650	-0.015
10	60u	0.655	0.640	-0.015
10	194u	0.650	0.635	-0.015
10	97u	0.650	0.635	-0.014
10	264u	0.650	0.640	-0.010
10	284u	0.650	0.640	-0.010
30	9	0.655	0.615	-0.040
30	190	0.649	0.615	-0.034
30	157	0.650	0.615	-0.035
30	65	0.655	0.620	-0.035
30	102	0.660	0.630	-0.030
30	64u	0.655	0.615	-0.040
30	101u	0.655	0.615	-0.040
30	59u	0.650	0.610	-0.040
30	25u	0.650	0.615	-0.035
30	287u	0.655	0.615	-0.040
50	332	0.650	0.605	-0.045
50	333	0.664	0.595	-0.070
50	259	0.650	0.595	-0.055
50	265	0.650	0.595	-0.055
50	330	0.650	0.595	-0.055
50	40u	0.650	0.595	-0.055
50	335u	0.650	0.605	-0.045
50	294u	0.650	0.595	-0.055
50	302u	0.660	0.605	-0.055
50	331u	0.645	0.595	-0.050
100	165	0.650	0.585	-0.065
100	88	0.650	0.580	-0.070
100	16	0.649	0.580	-0.069
100	342	0.649	0.575	-0.074
100	166	0.655	0.580	-0.075
100	244	0.649	0.580	-0.069
100	33	0.650	0.585	-0.065
100	77	0.650	0.580	-0.070
100	27	0.650	0.580	-0.070
100	255	0.660	0.585	-0.075
100	22	0.655	0.580	-0.075
100	168	0.650	0.580	-0.070
100	89	0.655	0.580	-0.075
100	233	0.645	0.600	-0.046



15.3 __Min VIN PWGD VIN		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	0.9	V
Min Limit	0.4	V

krad(Si)	0	3	10	30	50	100
LL	0.400	0.400	0.400	0.400	0.400	0.400
Min	0.649	0.645	0.635	0.610	0.595	0.574
Average	0.649	0.650	0.639	0.616	0.598	0.582
Max	0.649	0.660	0.650	0.630	0.605	0.600
UL	0.900	0.900	0.900	0.900	0.900	0.900



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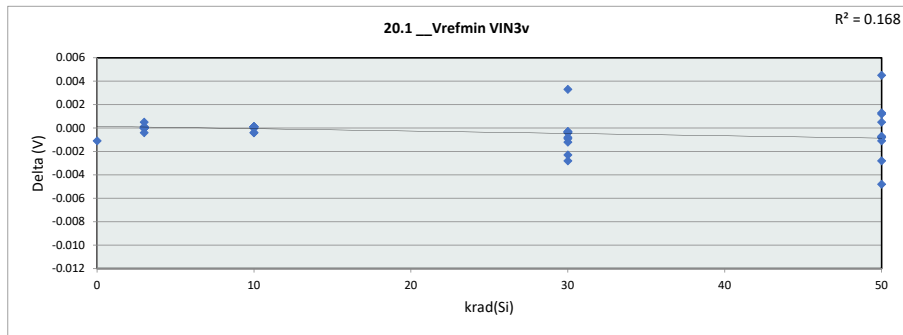
100	251	0.655	0.580	-0.076
100	31	0.655	0.580	-0.075
100	286	0.650	0.580	-0.070
100	305	0.655	0.580	-0.075
100	295	0.665	0.590	-0.075
100	205	0.645	0.574	-0.071
100	212	0.655	0.584	-0.071
100	135	0.650	0.580	-0.070
100	239u	0.650	0.585	-0.065
100	195u	0.650	0.585	-0.065
100	262u	0.660	0.590	-0.070
100	161u	0.655	0.585	-0.071
100	191u	0.655	0.585	-0.070
	Max	0.665	0.660	0.000
	Average	0.653	0.609	-0.044
	Min	0.645	0.574	-0.076
	Std Dev	0.005	0.027	0.027

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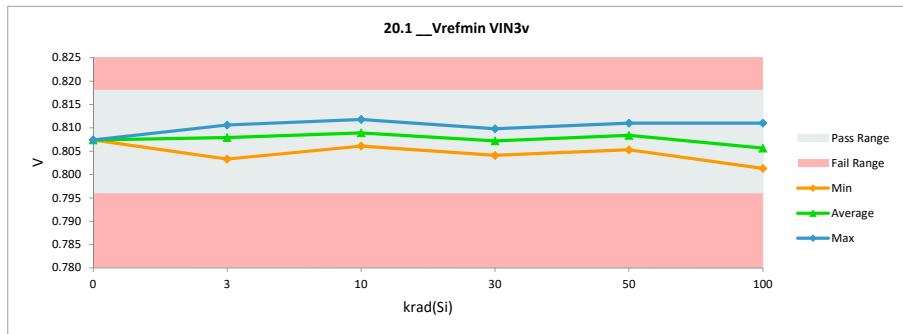
20.1_Vrefmin VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	0.818	0.818
Min Limit	0.796	0.796

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	0.808	0.807	-0.001
3	79	0.811	0.811	0.000
3	150	0.809	0.809	0.000
3	159	0.809	0.808	0.000
3	351	0.807	0.807	0.000
3	146	0.810	0.810	0.000
3	132u	0.803	0.803	0.000
3	357u	0.806	0.806	0.000
3	276u	0.806	0.806	0.000
3	256u	0.810	0.810	0.000
3	273u	0.808	0.809	0.000
10	149	0.811	0.811	0.000
10	122	0.808	0.808	0.000
10	182	0.807	0.807	0.000
10	280	0.808	0.808	0.000
10	314	0.812	0.812	0.000
10	60u	0.808	0.808	0.000
10	194u	0.811	0.811	0.000
10	97u	0.808	0.808	0.000
10	264u	0.807	0.806	0.000
10	284u	0.811	0.811	0.000
30	9	0.810	0.809	-0.001
30	190	0.805	0.805	0.000
30	157	0.807	0.807	0.000
30	65	0.810	0.809	-0.001
30	102	0.811	0.810	-0.001
30	64u	0.808	0.807	0.000
30	101u	0.807	0.810	0.003
30	59u	0.807	0.805	-0.002
30	25u	0.807	0.807	0.000
30	287u	0.807	0.804	-0.003
50	332	0.809	0.810	0.001
50	333	0.812	0.809	-0.003
50	259	0.810	0.805	-0.005
50	265	0.806	0.807	0.000
50	330	0.807	0.811	0.004
50	40u	0.807	0.807	-0.001
50	335u	0.808	0.809	0.001
50	294u	0.807	0.807	-0.001
50	302u	0.812	0.811	-0.001
50	331u	0.810	0.809	-0.001
100	165	0.808	0.805	-0.003
100	88	0.807	0.811	0.004
100	16	0.813	0.803	-0.010
100	342	0.806	0.804	-0.002
100	166	0.808	0.806	-0.002
100	244	0.811	0.810	-0.002
100	33	0.807	0.804	-0.002
100	77	0.809	0.807	-0.002
100	27	0.808	0.806	-0.002
100	255	0.807	0.804	-0.002
100	22	0.811	0.809	-0.002
100	168	0.804	0.803	-0.002
100	89	0.808	0.805	-0.002
100	233	0.806	0.809	0.002



20.1_Vrefmin VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	0.818	V
Min Limit	0.796	V

krad(Si)	0	3	10	30	50	100
LL	0.796	0.796	0.796	0.796	0.796	0.796
Min	0.807	0.803	0.806	0.804	0.805	0.801
Average	0.807	0.808	0.809	0.807	0.808	0.806
Max	0.807	0.811	0.812	0.810	0.811	0.811
UL	0.818	0.818	0.818	0.818	0.818	0.818



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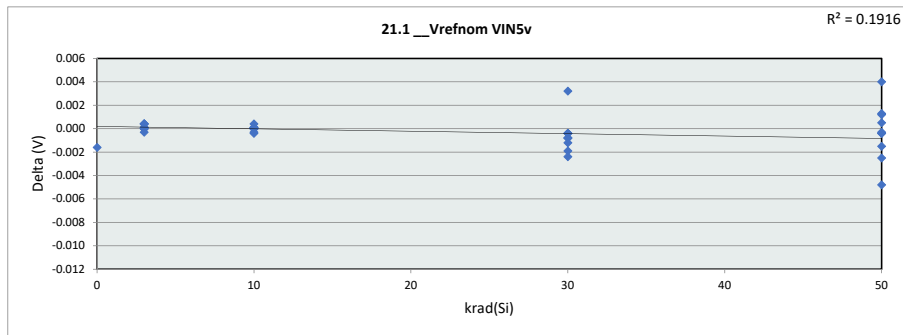
100	251	0.806	0.804	-0.002
100	31	0.807	0.805	-0.002
100	286	0.812	0.809	-0.002
100	305	0.804	0.801	-0.003
100	295	0.806	0.803	-0.003
100	205	0.806	0.804	-0.002
100	212	0.807	0.805	-0.002
100	135	0.807	0.806	-0.001
100	239u	0.810	0.809	-0.001
100	195u	0.806	0.804	-0.002
100	262u	0.810	0.808	-0.002
100	161u	0.804	0.803	-0.001
100	191u	0.808	0.807	-0.002
	Max	0.813	0.812	0.004
	Average	0.808	0.807	-0.001
	Min	0.803	0.801	-0.010
	Std Dev	0.002	0.003	0.002

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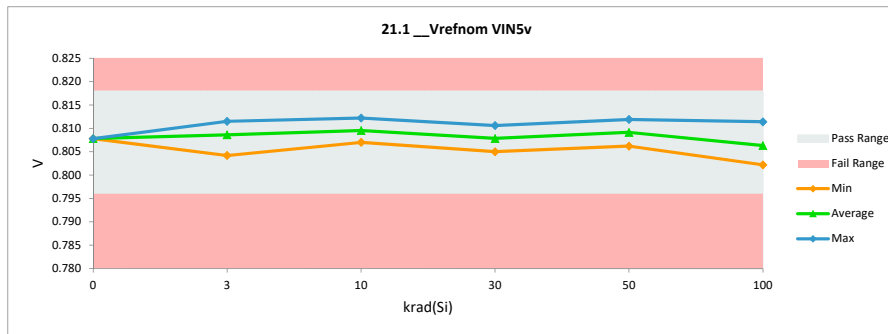
21.1_Vrefnom VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	0.818	0.818
Min Limit	0.796	0.796

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	0.809	0.808	-0.002
3	79	0.811	0.812	0.000
3	150	0.810	0.810	0.000
3	159	0.809	0.809	0.000
3	351	0.808	0.808	0.000
3	146	0.811	0.811	0.000
3	132u	0.804	0.804	0.000
3	357u	0.806	0.806	0.000
3	276u	0.806	0.807	0.000
3	256u	0.810	0.810	0.000
3	273u	0.809	0.809	0.000
10	149	0.812	0.812	0.000
10	122	0.809	0.809	0.000
10	182	0.807	0.808	0.000
10	280	0.809	0.809	0.000
10	314	0.812	0.812	0.000
10	60u	0.809	0.808	0.000
10	194u	0.811	0.811	0.000
10	97u	0.809	0.809	0.000
10	264u	0.807	0.807	0.000
10	284u	0.811	0.811	0.000
30	9	0.811	0.809	-0.001
30	190	0.806	0.805	0.000
30	157	0.808	0.808	0.000
30	65	0.810	0.809	-0.001
30	102	0.811	0.811	-0.001
30	64u	0.809	0.808	0.000
30	101u	0.807	0.810	0.003
30	59u	0.807	0.805	-0.002
30	25u	0.808	0.807	-0.001
30	287u	0.807	0.805	-0.002
50	332	0.810	0.811	0.001
50	333	0.812	0.810	-0.002
50	259	0.811	0.806	-0.005
50	265	0.807	0.807	0.000
50	330	0.807	0.811	0.004
50	40u	0.808	0.807	0.000
50	335u	0.808	0.809	0.001
50	294u	0.808	0.807	0.000
50	302u	0.812	0.812	0.000
50	331u	0.811	0.809	-0.002
100	165	0.808	0.805	-0.003
100	88	0.807	0.811	0.004
100	16	0.814	0.804	-0.010
100	342	0.806	0.805	-0.002
100	166	0.809	0.806	-0.003
100	244	0.812	0.810	-0.002
100	33	0.808	0.805	-0.002
100	77	0.809	0.808	-0.002
100	27	0.809	0.807	-0.002
100	255	0.808	0.805	-0.002
100	22	0.811	0.809	-0.002
100	168	0.805	0.803	-0.002
100	89	0.809	0.806	-0.002
100	233	0.807	0.809	0.002



21.1_Vrefnom VIN5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	0.818	V
Min Limit	0.796	V

krad(Si)	0	3	10	30	50	100
LL	0.796	0.796	0.796	0.796	0.796	0.796
Min	0.808	0.804	0.807	0.805	0.806	0.802
Average	0.808	0.809	0.810	0.808	0.809	0.806
Max	0.808	0.812	0.812	0.811	0.812	0.811
UL	0.818	0.818	0.818	0.818	0.818	0.818



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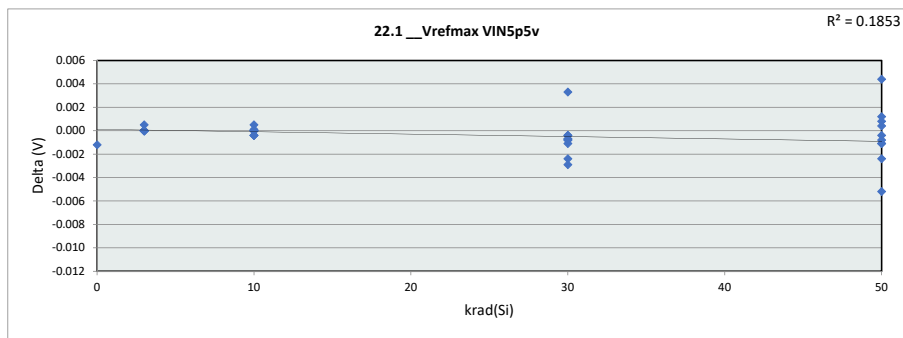
100	251	0.806	0.805	-0.002
100	31	0.808	0.806	-0.002
100	286	0.812	0.810	-0.002
100	305	0.805	0.802	-0.003
100	295	0.807	0.804	-0.003
100	205	0.807	0.805	-0.002
100	212	0.807	0.805	-0.002
100	135	0.807	0.806	-0.001
100	239u	0.811	0.810	-0.001
100	195u	0.807	0.804	-0.002
100	262u	0.810	0.809	-0.002
100	161u	0.805	0.804	-0.002
100	191u	0.809	0.808	-0.002
	Max	0.814	0.812	0.004
	Average	0.809	0.808	-0.001
	Min	0.804	0.802	-0.010
	Std Dev	0.002	0.002	0.002

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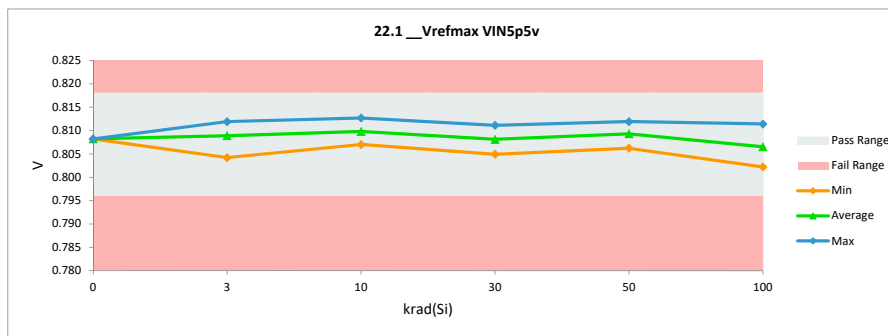
22.1 __Vrefmax VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	0.818	0.818
Min Limit	0.796	0.796

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Nr	Delta
0	c1	0.809	0.808		-0.001
3	79	0.811	0.812		0.001
3	150	0.810	0.810		0.000
3	159	0.810	0.810		0.000
3	351	0.808	0.808		0.000
3	146	0.811	0.811		0.000
3	132u	0.804	0.804		0.000
3	357u	0.807	0.807		0.000
3	276u	0.807	0.807		0.000
3	256u	0.811	0.811		0.000
3	273u	0.809	0.809		0.000
10	149	0.812	0.812		0.000
10	122	0.809	0.809		0.000
10	182	0.808	0.808		0.000
10	280	0.809	0.809		0.000
10	314	0.813	0.813		0.000
10	60u	0.809	0.809		0.000
10	194u	0.811	0.812		0.001
10	97u	0.809	0.809		0.000
10	264u	0.807	0.807		0.000
10	284u	0.812	0.812		0.000
30	9	0.811	0.810		-0.001
30	190	0.806	0.806		0.000
30	157	0.808	0.808		0.000
30	65	0.811	0.810		-0.001
30	102	0.812	0.811		-0.001
30	64u	0.809	0.808		-0.001
30	101u	0.807	0.811		0.003
30	59u	0.808	0.805		-0.002
30	25u	0.808	0.807		-0.001
30	287u	0.808	0.805		-0.003
50	332	0.810	0.811		0.001
50	333	0.812	0.810		-0.002
50	259	0.811	0.806		-0.005
50	265	0.807	0.807		0.000
50	330	0.807	0.812		0.004
50	40u	0.808	0.808		0.000
50	335u	0.809	0.810		0.001
50	294u	0.808	0.807		-0.001
50	302u	0.813	0.812		-0.001
50	331u	0.811	0.810		-0.001
100	165	0.809	0.806		-0.003
100	88	0.808	0.811		0.004
100	16	0.814	0.804		-0.010
100	342	0.807	0.805		-0.002
100	166	0.809	0.807		-0.002
100	244	0.812	0.811		-0.002
100	33	0.808	0.805		-0.002
100	77	0.810	0.808		-0.002
100	27	0.809	0.807		-0.002
100	255	0.808	0.805		-0.003
100	22	0.811	0.809		-0.002
100	168	0.805	0.803		-0.002
100	89	0.809	0.806		-0.002
100	233	0.807	0.809		0.002



22.1 __Vrefmax VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	0.818	V
Min Limit	0.796	V

krad(Si)	0	3	10	30	50	100
LL	0.796	0.796	0.796	0.796	0.796	0.796
Min	0.808	0.804	0.807	0.805	0.806	0.802
Average	0.808	0.809	0.810	0.808	0.809	0.807
Max	0.808	0.812	0.813	0.811	0.812	0.811
UL	0.818	0.818	0.818	0.818	0.818	0.818



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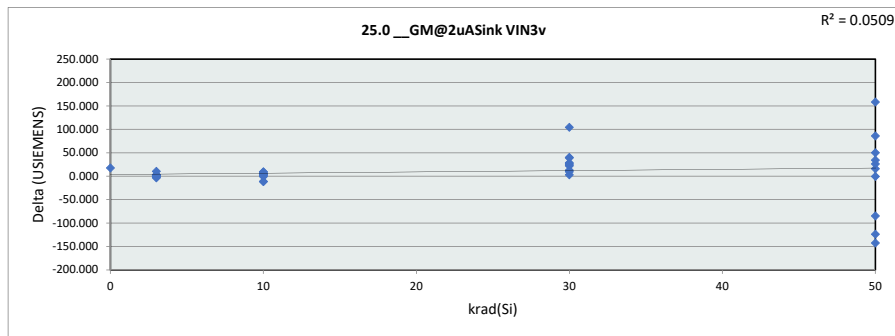
100	251	0.807	0.805	-0.002
100	31	0.808	0.806	-0.002
100	286	0.813	0.810	-0.002
100	305	0.805	0.802	-0.003
100	295	0.807	0.805	-0.002
100	205	0.807	0.805	-0.002
100	212	0.808	0.805	-0.002
100	135	0.808	0.807	-0.001
100	239u	0.811	0.810	-0.001
100	195u	0.807	0.805	-0.002
100	262u	0.810	0.809	-0.001
100	161u	0.805	0.804	-0.001
100	191u	0.809	0.808	-0.002
	Max	0.814	0.813	0.004
	Average	0.809	0.808	-0.001
	Min	0.804	0.802	-0.010
	Std Dev	0.002	0.003	0.002

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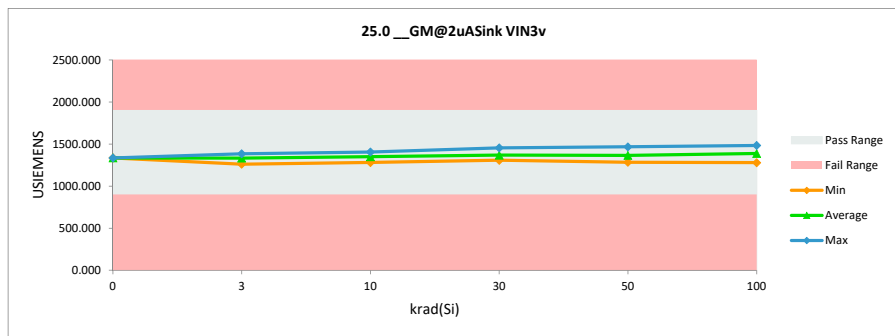
25.0_GM@2uASink VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	USIEMENS	USIEMENS
Max Limit	1900	1900
Min Limit	900	900

krad(Si)	Serial #	POL3A PRE HDR	OL3A POST HDR	Delta
0	c1	1316.921	1334.563	17.642
3	79	1269.475	1279.883	10.408
3	150	1334.288	1336.935	2.647
3	159	1361.406	1357.783	-3.623
3	351	1260.429	1261.449	1.020
3	146	1384.431	1384.346	-0.085
3	132u	1330.958	1328.839	-2.119
3	357u	1364.407	1365.770	1.363
3	276u	1345.302	1348.025	2.722
3	256u	1334.103	1337.002	2.899
3	273u	1327.996	1328.175	0.179
10	149	1343.675	1342.855	-0.819
10	122	1395.781	1405.117	9.336
10	182	1311.532	1315.045	3.513
10	280	1334.077	1336.746	2.670
10	314	1333.876	1342.445	8.570
10	60u	1326.496	1331.772	5.276
10	194u	1343.271	1345.580	2.309
10	97u	1412.696	1401.166	-11.530
10	264u	1292.202	1280.768	-11.433
10	284u	1383.620	1389.648	6.028
30	9	1451.661	1454.657	2.996
30	190	1268.344	1307.600	39.255
30	157	1400.945	1410.183	9.239
30	65	1292.142	1320.807	28.665
30	102	1310.152	1334.276	24.124
30	64u	1411.569	1424.354	12.786
30	101u	1280.371	1384.856	104.485
30	59u	1334.426	1374.450	40.024
30	25u	1332.296	1358.705	26.409
30	287u	1285.226	1307.209	21.983
50	332	1264.445	1422.647	158.201
50	333	1439.443	1296.732	-142.711
50	259	1319.635	1369.788	50.152
50	265	1301.463	1387.343	85.880
50	330	1449.017	1364.111	-84.906
50	40u	1340.191	1366.244	26.053
50	335u	1406.921	1283.121	-123.800
50	294u	1331.987	1366.244	34.257
50	302u	1329.141	1328.521	-0.620
50	331u	1451.540	1467.347	15.808
100	165	1406.921	1304.443	-102.479
100	88	1288.736	1377.381	88.645
100	16	1336.837	1423.160	86.323
100	342	1371.961	1307.095	-64.866
100	166	1423.825	1468.678	44.853
100	244	1261.078	1305.932	44.854
100	33	1451.047	1482.938	31.891
100	77	1385.762	1401.452	15.689
100	27	1343.278	1403.506	60.228
100	255	1367.941	1390.720	22.779
100	22	1412.589	1456.139	43.550
100	168	1262.116	1278.705	16.589
100	89	1393.458	1441.540	48.082
100	233	1271.998	1469.204	197.207



25.0_GM@2uASink VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1900	USIEMENS
Min Limit	900	USIEMENS

krad(Si)	0	3	10	30	50	100
LL	900.000	900.000	900.000	900.000	900.000	900.000
Min	1334.563	1261.449	1280.768	1307.209	1283.121	1278.705
Average	1334.563	1332.821	1349.114	1367.710	1365.210	1387.717
Max	1334.563	1384.346	1405.117	1454.657	1467.347	1482.938
UL	1900.000	1900.000	1900.000	1900.000	1900.000	1900.000



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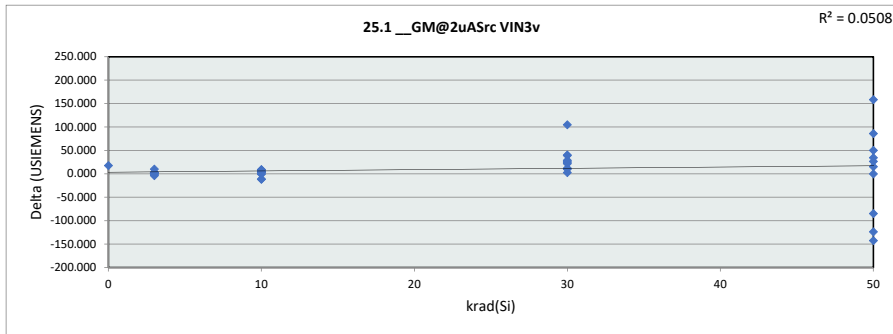
100	251	1336.238	1358.651	22.413
100	31	1376.498	1396.919	20.421
100	286	1281.751	1339.001	57.250
100	305	1399.796	1433.280	33.484
100	295	1400.118	1413.229	13.111
100	205	1454.262	1469.364	15.102
100	212	1341.409	1368.539	27.130
100	135	1356.563	1393.041	36.478
100	239u	1282.562	1303.900	21.338
100	195u	1275.949	1305.757	29.808
100	262u	1380.367	1386.276	5.910
100	161u	1365.706	1393.069	27.363
100	191u	1370.526	1396.449	25.924
	Max	1454.262	1482.938	197.207
	Average	1348.634	1366.933	18.299
	Min	1260.429	1261.449	-142.711
	Std Dev	54.342	53.975	50.140

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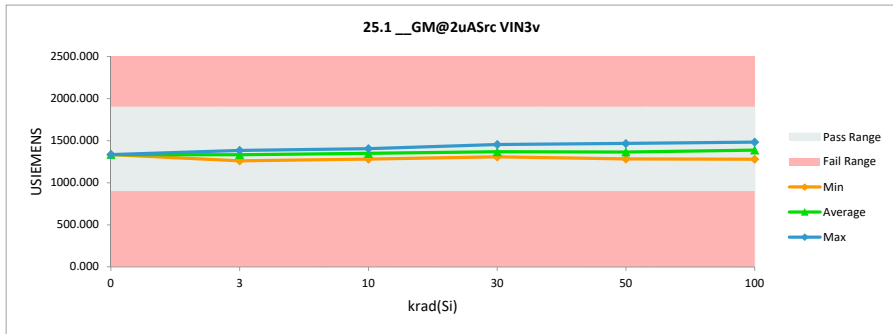
25.1 __GM@2uASrc VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	USIEMENS	USIEMENS
Max Limit	1900	1900
Min Limit	900	900

krad(Si)	Serial #	POL3A PRE HDR	OL3A POST HDR	Delta
0	c1	1316.885	1334.459	17.575
3	79	1269.740	1279.677	9.938
3	150	1334.364	1337.010	2.646
3	159	1361.579	1357.750	-3.829
3	351	1260.325	1261.269	0.944
3	146	1384.381	1384.627	0.246
3	132u	1330.990	1328.879	-2.112
3	357u	1364.560	1365.638	1.078
3	276u	1345.456	1347.893	2.437
3	256u	1334.015	1337.279	3.264
3	273u	1328.193	1328.287	0.094
10	149	1343.613	1342.854	-0.759
10	122	1395.698	1404.774	9.077
10	182	1311.545	1315.065	3.520
10	280	1334.029	1336.735	2.706
10	314	1333.938	1342.236	8.297
10	60u	1326.604	1331.670	5.065
10	194u	1343.445	1345.397	1.952
10	97u	1412.809	1401.195	-11.614
10	264u	1292.167	1280.561	-11.606
10	284u	1383.691	1389.486	5.795
30	9	1451.602	1454.275	2.673
30	190	1268.437	1307.609	39.173
30	157	1400.783	1410.789	10.006
30	65	1292.109	1321.022	28.913
30	102	1310.357	1334.165	23.807
30	64u	1411.549	1423.737	12.189
30	101u	1280.224	1384.844	104.620
30	59u	1334.661	1374.725	40.064
30	25u	1332.389	1359.345	26.955
30	287u	1285.311	1306.897	21.586
50	332	1264.453	1422.759	158.306
50	333	1439.788	1297.106	-142.682
50	259	1319.458	1369.453	49.995
50	265	1301.229	1387.209	85.980
50	330	1449.022	1364.217	-84.805
50	40u	1340.204	1366.515	26.311
50	335u	1406.599	1282.702	-123.897
50	294u	1332.057	1366.515	34.459
50	302u	1328.989	1328.806	-0.184
50	331u	1451.810	1466.915	15.105
100	165	1406.599	1304.513	-102.086
100	88	1288.638	1377.378	88.740
100	16	1337.202	1423.124	85.921
100	342	1371.970	1307.115	-64.855
100	166	1424.112	1468.471	44.359
100	244	1260.606	1305.601	44.996
100	33	1451.421	1483.040	31.619
100	77	1385.562	1401.328	15.766
100	27	1343.610	1403.598	59.989
100	255	1368.004	1390.703	22.699
100	22	1413.068	1456.162	43.095
100	168	1262.162	1279.183	17.021
100	89	1393.555	1441.041	47.486
100	233	1271.835	1469.329	197.494



25.1 __GM@2uASrc VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1900	USIEMENS
Min Limit	900	USIEMENS

krad(Si)	0	3	10	30	50	100
LL	900.000	900.000	900.000	900.000	900.000	900.000
Min	1334.459	1261.269	1280.561	1306.897	1282.702	1279.183
Average	1334.459	1332.831	1348.997	1367.741	1365.220	1387.638
Max	1334.459	1384.627	1404.774	1454.275	1466.915	1483.040
UL	1900.000	1900.000	1900.000	1900.000	1900.000	1900.000



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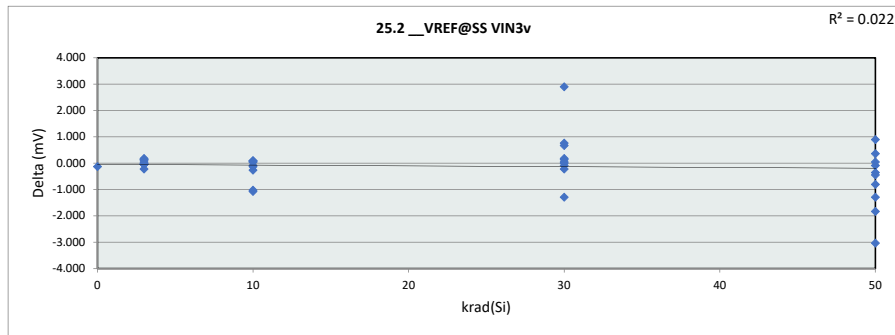
100	251	1336.344	1359.015	22.671
100	31	1376.847	1396.973	20.126
100	286	1281.744	1339.254	57.510
100	305	1399.721	1433.190	33.468
100	295	1400.244	1412.918	12.675
100	205	1454.032	1468.596	14.564
100	212	1341.378	1367.992	26.614
100	135	1356.550	1392.917	36.367
100	239u	1282.484	1303.302	20.818
100	195u	1275.859	1305.885	30.026
100	262u	1380.205	1386.341	6.136
100	161u	1365.653	1392.920	27.267
100	191u	1370.687	1396.336	25.649
	Max	1454.032	1483.040	197.494
	Average	1348.664	1366.891	18.227
	Min	1260.325	1261.269	-142.682
	Std Dev	54.379	53.926	50.139

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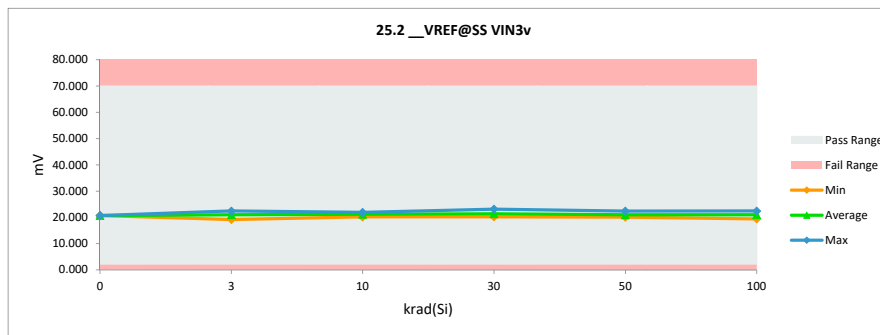
25.2_VREF@SS VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	mV	mV
Max Limit	70	70
Min Limit	2	2

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	20.834	20.700	-0.134
3	79	19.986	20.165	0.178
3	150	21.727	21.682	-0.045
3	159	20.522	20.656	0.134
3	351	20.924	20.879	-0.045
3	146	19.183	19.183	0.000
3	132u	22.307	22.441	0.134
3	357u	20.879	20.968	0.089
3	276u	21.504	21.504	0.000
3	256u	21.013	20.968	-0.045
3	273u	21.816	21.593	-0.223
10	149	21.236	21.325	0.089
10	122	21.771	21.682	-0.089
10	182	22.753	21.682	-1.071
10	280	21.861	20.834	-1.026
10	314	20.076	20.165	0.089
10	60u	21.191	21.236	0.045
10	194u	21.147	21.236	0.089
10	97u	22.173	21.905	-0.268
10	264u	20.433	20.299	-0.134
10	284u	21.548	21.593	0.045
30	9	22.619	21.325	-1.294
30	190	21.102	21.236	0.134
30	157	21.057	20.968	-0.089
30	65	20.343	20.522	0.179
30	102	20.209	20.209	0.000
30	64u	21.102	21.147	0.045
30	101u	20.254	23.155	2.900
30	59u	21.771	22.530	0.759
30	25u	20.834	21.504	0.669
30	287u	21.325	21.102	-0.223
50	332	20.031	20.924	0.892
50	333	21.905	21.102	-0.803
50	259	23.244	20.209	-3.034
50	265	20.745	21.102	0.357
50	330	22.485	22.396	-0.089
50	40u	22.619	20.790	-1.830
50	335u	21.905	20.611	-1.294
50	294u	21.147	20.789	-0.357
50	302u	20.522	20.076	-0.446
50	331u	21.504	21.548	0.045
100	165	21.905	19.406	-2.499
100	88	19.942	19.897	-0.045
100	16	19.897	21.593	1.696
100	342	21.861	20.165	-1.696
100	166	22.708	22.307	-0.402
100	244	20.433	20.254	-0.178
100	33	23.244	21.861	-1.383
100	77	20.522	20.120	-0.402
100	27	21.102	21.057	-0.045
100	255	22.396	21.994	-0.402
100	22	21.816	21.548	-0.268
100	168	20.745	20.254	-0.491
100	89	20.968	20.745	-0.223
100	233	20.656	21.727	1.071



25.2_VREF@SS VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	70	mV
Min Limit	2	mV

krad(Si)	0	3	10	30	50	100
LL	2.000	2.000	2.000	2.000	2.000	2.000
Min	20.700	19.183	20.165	20.210	20.076	19.406
Average	20.700	21.004	21.196	21.370	20.955	21.011
Max	20.700	22.441	21.905	23.155	22.396	22.441
UL	70.000	70.000	70.000	70.000	70.000	70.000



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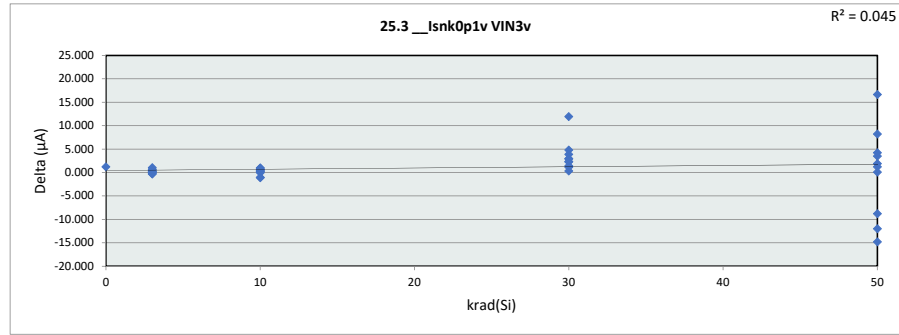
100	251	21.057	20.700	-0.357
100	31	21.816	21.414	-0.402
100	286	20.745	20.700	-0.045
100	305	21.593	21.325	-0.268
100	295	21.325	20.968	-0.357
100	205	22.128	21.905	-0.223
100	212	20.879	20.566	-0.312
100	135	22.396	22.128	-0.268
100	239u	19.986	19.540	-0.446
100	195u	21.013	20.700	-0.312
100	262u	20.611	20.299	-0.312
100	161u	21.950	21.682	-0.268
100	191u	21.682	22.441	0.759
	Max	23.244	23.155	2.900
	Average	21.279	21.077	-0.202
	Min	19.183	19.183	-3.034
	Std Dev	0.864	0.790	0.817

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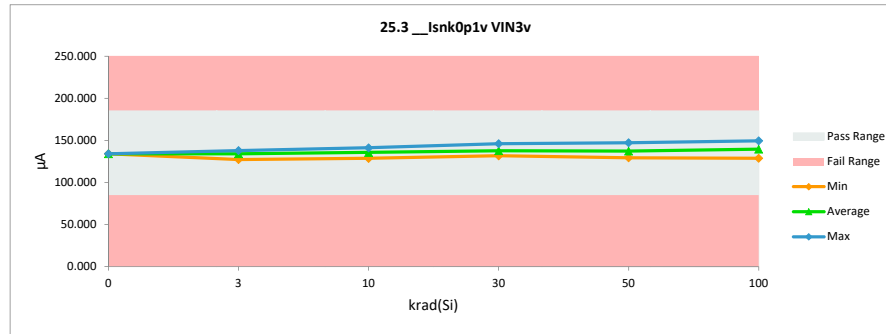
25.3_Isnk0p1v VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	µA	µA
Max Limit	185	185
Min Limit	85	85

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	132.819	134.022	1.203
3	79	127.257	128.288	1.031
3	150	134.034	134.740	0.706
3	159	136.821	136.499	-0.322
3	351	126.869	127.154	0.284
3	146	138.130	137.877	-0.253
3	132u	134.593	134.568	-0.025
3	357u	137.268	137.334	0.066
3	276u	135.162	135.674	0.512
3	256u	134.447	134.681	0.234
3	273u	133.975	134.056	0.081
10	149	135.650	135.596	-0.053
10	122	140.249	141.217	0.969
10	182	132.266	132.869	0.603
10	280	134.112	134.328	0.216
10	314	133.784	134.712	0.928
10	60u	133.247	133.794	0.547
10	194u	134.703	134.878	0.175
10	97u	141.924	140.824	-1.100
10	264u	129.691	128.650	-1.040
10	284u	139.065	139.518	0.453
30	9	145.661	145.986	0.325
30	190	127.801	131.666	3.865
30	157	140.711	141.858	1.147
30	65	129.391	132.313	2.921
30	102	131.447	133.765	2.318
30	64u	141.411	142.817	1.406
30	101u	128.282	140.230	11.948
30	59u	134.384	139.199	4.815
30	25u	133.703	136.662	2.959
30	287u	129.363	131.681	2.318
50	332	126.701	143.342	16.641
50	333	145.186	130.382	-14.804
50	259	133.365	137.577	4.212
50	265	131.160	139.390	8.230
50	330	146.214	137.402	-8.811
50	40u	135.315	137.202	1.887
50	335u	141.314	129.291	-12.023
50	294u	133.693	137.202	3.509
50	302u	133.578	133.675	0.097
50	331u	145.960	147.173	1.212
100	165	141.314	130.756	-10.558
100	88	129.135	137.984	8.849
100	16	133.750	143.411	9.661
100	342	138.077	131.428	-6.649
100	166	143.736	148.020	4.284
100	244	126.776	131.231	4.456
100	33	146.214	149.488	3.275
100	77	138.649	140.186	1.537
100	27	134.997	141.074	6.077
100	255	138.290	140.461	2.172
100	22	142.195	146.842	4.646
100	168	127.076	128.685	1.609
100	89	139.986	144.654	4.668
100	233	127.913	148.079	20.166



25.3_Isnk0p1v VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	185	µA
Min Limit	85	µA

krad(Si)	0	3	10	30	50	100
LL	85.000	85.000	85.000	85.000	85.000	85.000
Min	134.022	127.154	128.651	131.666	129.291	128.685
Average	134.022	134.087	135.639	137.618	137.264	139.568
Max	134.022	137.877	141.218	145.986	147.173	149.488
UL	185.000	185.000	185.000	185.000	185.000	185.000



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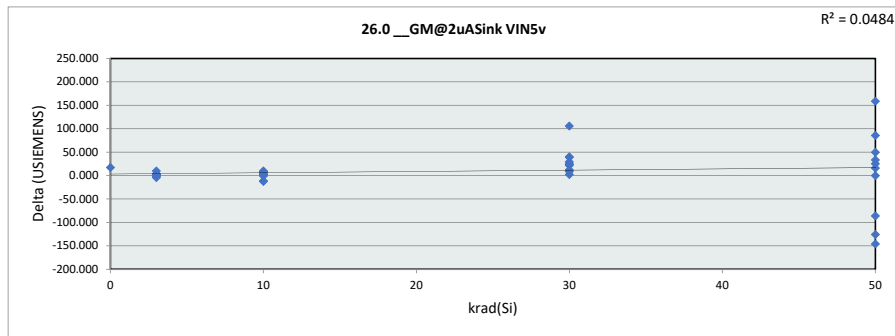
100	251	134.072	136.624	2.553
100	31	138.780	140.661	1.881
100	286	128.913	134.475	5.562
100	305	140.786	144.064	3.278
100	295	141.389	142.580	1.191
100	205	146.642	148.020	1.378
100	212	134.662	137.377	2.715
100	135	136.637	140.358	3.721
100	239u	128.532	130.697	2.165
100	195u	128.307	131.350	3.043
100	262u	138.727	139.015	0.287
100	161u	137.605	139.974	2.368
100	191u	138.518	140.852	2.334
	Max	146.642	149.488	20.166
	Average	135.623	137.477	1.854
	Min	126.701	127.154	-14.804
	Std Dev	5.537	5.461	5.158

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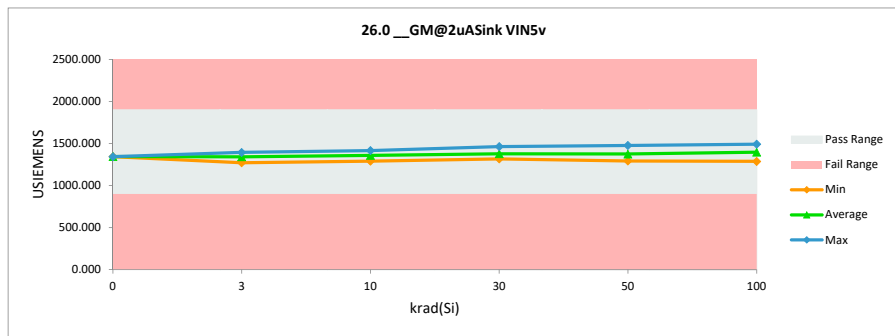
26.0 __GM@2uASink VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	USIEMENS	USIEMENS
Max Limit	1900	1900
Min Limit	900	900

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	1327.203	1344.433	17.230
3	79	1278.850	1288.730	9.880
3	150	1344.598	1347.432	2.835
3	159	1371.947	1367.746	-4.202
3	351	1270.627	1270.983	0.357
3	146	1394.090	1394.151	0.061
3	132u	1341.092	1339.023	-2.068
3	357u	1373.378	1374.120	0.742
3	276u	1354.428	1357.015	2.587
3	256u	1345.178	1348.602	3.424
3	273u	1336.853	1336.959	0.106
10	149	1353.601	1352.592	-1.009
10	122	1406.155	1415.733	9.578
10	182	1320.626	1323.812	3.186
10	280	1343.561	1345.931	2.370
10	314	1343.896	1352.325	8.429
10	60u	1336.088	1342.323	6.235
10	194u	1353.655	1356.226	2.571
10	97u	1422.114	1409.751	-12.363
10	264u	1301.324	1289.990	-11.334
10	284u	1394.562	1400.075	5.513
30	9	1460.873	1463.080	2.207
30	190	1278.589	1317.589	39.000
30	157	1410.637	1419.420	8.782
30	65	1302.885	1332.207	29.322
30	102	1321.178	1345.006	23.829
30	64u	1420.691	1432.797	12.106
30	101u	1289.065	1394.935	105.870
30	59u	1344.530	1384.425	39.894
30	25u	1341.680	1367.188	25.507
30	287u	1294.720	1316.558	21.838
50	332	1273.698	1432.462	158.764
50	333	1452.148	1306.259	-145.890
50	259	1328.758	1378.534	49.775
50	265	1310.253	1395.974	85.721
50	330	1459.879	1373.562	-86.317
50	40u	1350.376	1375.558	25.182
50	335u	1418.066	1292.255	-125.811
50	294u	1342.134	1375.558	33.424
50	302u	1339.298	1339.021	-0.276
50	331u	1461.089	1476.838	15.749
100	165	1418.066	1313.342	-104.724
100	88	1297.601	1386.848	89.248
100	16	1347.019	1432.677	85.659
100	342	1381.987	1316.279	-65.708
100	166	1435.142	1479.440	44.298
100	244	1269.092	1313.926	44.834
100	33	1461.324	1492.890	31.566
100	77	1394.477	1409.921	15.443
100	27	1353.401	1412.770	59.370
100	255	1377.616	1399.132	21.516
100	22	1423.028	1465.671	42.643
100	168	1270.960	1286.849	15.889
100	89	1403.899	1450.226	46.327
100	233	1281.350	1480.765	199.415



26.0 __GM@2uASink VIN5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1900	USIEMENS
Min Limit	900	USIEMENS

krad(Si)	0	3	10	30	50	100
LL	900.000	900.000	900.000	900.000	900.000	900.000
Min	1344.433	1270.983	1289.990	1316.558	1292.255	1286.850
Average	1344.433	1342.476	1358.876	1377.321	1374.602	1397.105
Max	1344.433	1394.151	1415.733	1463.080	1476.838	1492.890
UL	1900.000	1900.000	1900.000	1900.000	1900.000	1900.000



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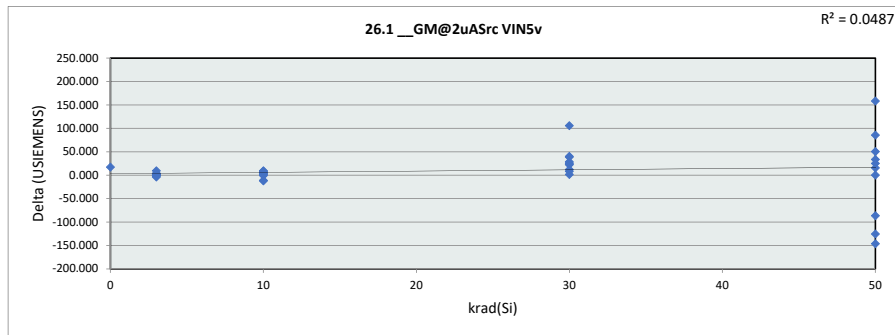
100	251	1345.617	1368.082	22.465
100	31	1387.260	1407.373	20.113
100	286	1291.514	1348.691	57.177
100	305	1409.415	1442.975	33.561
100	295	1411.836	1425.266	13.430
100	205	1463.887	1477.344	13.457
100	212	1352.318	1379.788	27.470
100	135	1366.746	1402.225	35.479
100	239u	1291.556	1312.211	20.655
100	195u	1284.378	1313.381	29.002
100	262u	1390.392	1395.779	5.388
100	161u	1375.702	1401.870	26.168
100	191u	1381.001	1406.115	25.114
	Max	1463.887	1492.890	199.415
	Average	1358.543	1376.456	17.913
	Min	1269.092	1270.983	-145.890
	Std Dev	54.710	54.090	50.655

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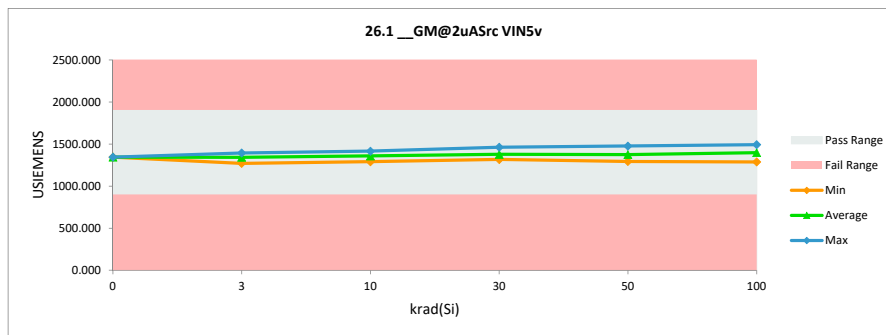
26.1 __GM@2uASrc VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	USIEMENS	USIEMENS
Max Limit	1900	1900
Min Limit	900	900

krad(Si)	Serial #	POL3A PRE HDR	OL3A POST HDR	Delta
0	c1	1327.160	1344.388	17.228
3	79	1278.857	1288.371	9.514
3	150	1344.325	1347.415	3.089
3	159	1371.861	1367.843	-4.018
3	351	1270.587	1270.812	0.226
3	146	1394.134	1393.601	-0.533
3	132u	1341.039	1339.264	-1.775
3	357u	1373.337	1374.090	0.752
3	276u	1354.169	1357.011	2.842
3	256u	1344.707	1348.552	3.845
3	273u	1336.690	1337.074	0.384
10	149	1353.698	1352.723	-0.975
10	122	1406.150	1415.620	9.470
10	182	1320.934	1323.619	2.684
10	280	1343.490	1345.999	2.509
10	314	1344.009	1352.433	8.424
10	60u	1336.021	1342.247	6.225
10	194u	1353.702	1356.327	2.625
10	97u	1422.160	1409.945	-12.215
10	264u	1301.360	1290.209	-11.151
10	284u	1394.618	1400.234	5.616
30	9	1460.875	1462.413	1.537
30	190	1278.850	1317.774	38.924
30	157	1410.785	1419.202	8.417
30	65	1302.803	1331.292	28.489
30	102	1321.476	1345.224	23.748
30	64u	1420.861	1433.028	12.166
30	101u	1289.277	1394.890	105.612
30	59u	1344.390	1384.440	40.051
30	25u	1341.928	1367.705	25.778
30	287u	1294.654	1316.965	22.311
50	332	1273.671	1431.959	158.287
50	333	1452.275	1305.944	-146.331
50	259	1328.625	1379.128	50.503
50	265	1310.278	1395.980	85.702
50	330	1460.085	1373.428	-86.657
50	40u	1350.463	1375.722	25.260
50	335u	1417.950	1292.438	-125.513
50	294u	1342.218	1375.722	33.504
50	302u	1339.093	1339.406	0.313
50	331u	1461.071	1476.734	15.663
100	165	1417.950	1312.720	-105.230
100	88	1297.501	1386.690	89.189
100	16	1347.111	1432.545	85.434
100	342	1381.853	1316.521	-65.333
100	166	1434.569	1479.556	44.986
100	244	1269.207	1313.527	44.320
100	33	1461.682	1492.756	31.075
100	77	1394.593	1409.869	15.276
100	27	1353.427	1412.835	59.408
100	255	1377.632	1399.312	21.680
100	22	1422.998	1466.315	43.317
100	168	1270.839	1287.333	16.494
100	89	1403.749	1451.058	47.308
100	233	1281.574	1481.401	199.827



26.1 __GM@2uASrc VIN5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1900	USIEMENS
Min Limit	900	USIEMENS

krad(Si)	0	3	10	30	50	100
LL	900.000	900.000	900.000	900.000	900.000	900.000
Min	1344.388	1270.812	1290.209	1316.965	1292.438	1287.333
Average	1344.388	1342.403	1358.936	1377.293	1374.646	1397.177
Max	1344.388	1393.601	1415.620	1462.413	1476.734	1492.756
UL	1900.000	1900.000	1900.000	1900.000	1900.000	1900.000



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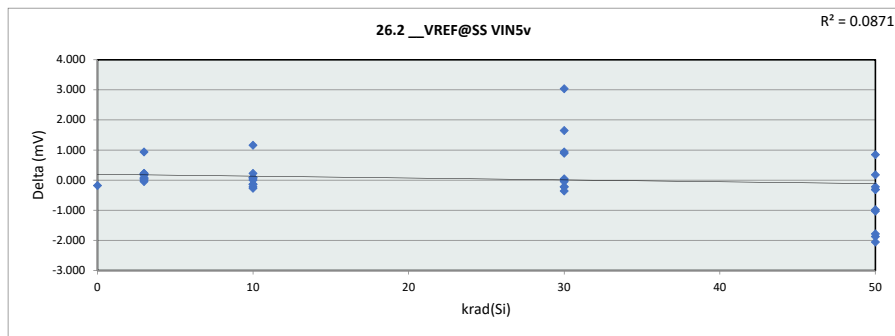
100	251	1345.544	1367.988	22.444
100	31	1387.120	1407.498	20.378
100	286	1291.747	1348.962	57.214
100	305	1409.446	1443.179	33.734
100	295	1411.717	1424.984	13.268
100	205	1463.917	1478.210	14.293
100	212	1352.389	1379.498	27.109
100	135	1366.986	1402.164	35.177
100	239u	1291.276	1312.061	20.785
100	195u	1284.310	1312.971	28.661
100	262u	1390.463	1396.216	5.754
100	161u	1375.782	1401.665	25.883
100	191u	1381.016	1405.957	24.941
	Max	1463.917	1492.756	199.827
	Average	1358.545	1376.485	17.940
	Min	1269.207	1270.812	-146.331
	Std Dev	54.709	54.150	50.683

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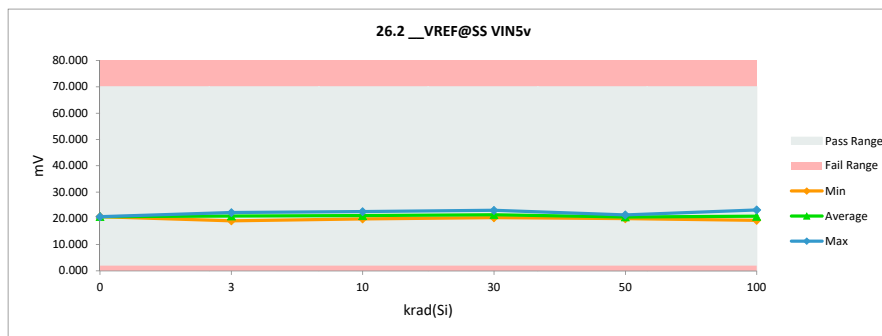
26.2_VREF@SS VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	mV	mV
Max Limit	70	70
Min Limit	2	2

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	20.790	20.611	-0.179
3	79	19.674	19.897	0.223
3	150	21.281	21.459	0.178
3	159	20.388	20.388	0.000
3	351	20.477	20.522	0.045
3	146	18.826	19.049	0.223
3	132u	22.039	22.128	0.089
3	357u	20.745	20.790	0.045
3	276u	21.236	22.173	0.937
3	256u	20.834	20.790	-0.045
3	273u	21.325	21.504	0.178
10	149	21.102	21.147	0.045
10	122	21.459	21.325	-0.134
10	182	21.370	22.530	1.160
10	280	20.611	20.611	0.000
10	314	19.897	19.763	-0.134
10	60u	20.790	21.013	0.223
10	194u	20.834	20.924	0.089
10	97u	21.816	21.548	-0.268
10	264u	20.299	20.076	-0.223
10	284u	21.236	21.325	0.089
30	9	21.414	21.191	-0.223
30	190	21.013	21.057	0.045
30	157	20.834	20.790	-0.045
30	65	20.209	20.209	0.000
30	102	20.031	20.968	0.937
30	64u	21.013	20.790	-0.223
30	101u	19.986	23.021	3.034
30	59u	21.593	22.485	0.892
30	25u	20.700	22.351	1.651
30	287u	21.102	20.745	-0.357
50	332	19.808	20.656	0.848
50	333	21.905	19.853	-2.053
50	259	21.905	20.031	-1.874
50	265	20.566	20.745	0.179
50	330	22.218	21.191	-1.026
50	40u	22.307	20.522	-1.785
50	335u	21.548	20.566	-0.982
50	294u	20.834	20.521	-0.313
50	302u	20.254	19.942	-0.312
50	331u	21.504	21.281	-0.223
100	165	21.548	19.228	-2.320
100	88	19.808	19.585	-0.223
100	16	19.674	21.281	1.607
100	342	21.370	19.808	-1.562
100	166	22.441	23.199	0.759
100	244	21.236	19.986	-1.249
100	33	21.816	21.682	-0.134
100	77	20.388	19.986	-0.402
100	27	20.968	20.790	-0.178
100	255	22.173	21.638	-0.535
100	22	21.816	21.370	-0.446
100	168	21.370	19.853	-1.517
100	89	20.700	20.522	-0.178
100	233	20.254	21.548	1.294



26.2_VREF@SS VIN5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	70	mV
Min Limit	2	mV

krad(Si)	0	3	10	30	50	100
LL	2.000	2.000	2.000	2.000	2.000	2.000
Min	20.611	19.049	19.763	20.210	19.853	19.228
Average	20.611	20.870	21.026	21.361	20.531	20.773
Max	20.611	22.173	22.530	23.021	21.281	23.199
UL	70.000	70.000	70.000	70.000	70.000	70.000



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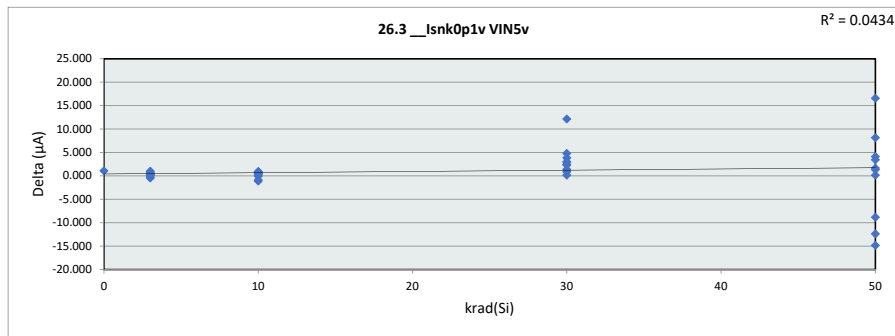
100	251	20.879	20.388	-0.491
100	31	21.504	21.325	-0.178
100	286	20.477	20.477	0.000
100	305	21.281	21.013	-0.268
100	295	21.281	20.834	-0.446
100	205	21.994	21.727	-0.268
100	212	20.745	20.254	-0.491
100	135	22.262	21.905	-0.357
100	239u	19.629	19.317	-0.312
100	195u	20.656	20.477	-0.179
100	262u	20.343	20.076	-0.268
100	161u	22.798	21.414	-1.383
100	191u	21.414	21.191	-0.223
	Max	22.798	23.199	3.034
	Average	21.009	20.873	-0.136
	Min	18.826	19.049	-2.320
	Std Dev	0.784	0.862	0.861

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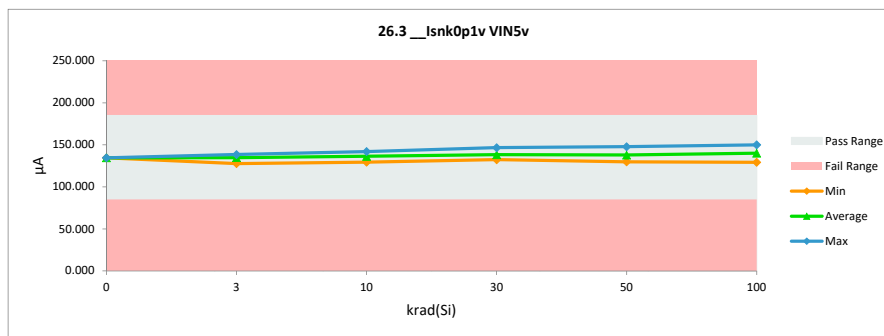
26.3_Isnk0p1v VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	µA	µA
Max Limit	185	185
Min Limit	85	85

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	133.519	134.603	1.084
3	79	127.772	128.785	1.012
3	150	134.893	135.518	0.625
3	159	137.540	137.118	-0.422
3	351	127.426	127.744	0.319
3	146	138.790	138.399	-0.391
3	132u	135.175	135.290	0.116
3	357u	137.762	137.784	0.022
3	276u	135.696	136.284	0.587
3	256u	135.062	135.478	0.415
3	273u	134.487	134.559	0.072
10	149	136.324	136.274	-0.050
10	122	141.080	141.908	0.828
10	182	132.850	133.359	0.509
10	280	134.590	134.903	0.312
10	314	134.490	135.431	0.941
10	60u	133.915	134.393	0.478
10	194u	135.321	135.531	0.209
10	97u	142.511	141.408	-1.103
10	264u	130.216	129.360	-0.856
10	284u	139.833	140.455	0.622
30	9	146.439	146.592	0.153
30	190	128.522	132.359	3.837
30	157	141.321	142.195	0.875
30	65	130.103	133.059	2.956
30	102	132.125	134.528	2.403
30	64u	142.058	143.442	1.384
30	101u	128.801	140.936	12.136
30	59u	135.043	139.830	4.787
30	25u	134.228	137.184	2.956
30	287u	129.991	132.341	2.350
50	332	127.329	143.898	16.570
50	333	146.010	131.175	-14.835
50	259	134.059	138.174	4.115
50	265	131.713	139.846	8.133
50	330	146.879	138.033	-8.846
50	40u	136.134	137.787	1.653
50	335u	142.127	129.750	-12.376
50	294u	134.368	137.787	3.418
50	302u	134.203	134.343	0.141
50	331u	146.492	147.795	1.303
100	165	142.127	131.141	-10.986
100	88	129.732	138.446	8.714
100	16	134.406	144.039	9.633
100	342	138.630	131.981	-6.649
100	166	144.383	148.635	4.253
100	244	127.394	131.700	4.306
100	33	146.923	149.994	3.071
100	77	139.165	140.736	1.572
100	27	135.412	141.586	6.174
100	255	138.793	141.077	2.284
100	22	142.908	147.504	4.596
100	168	127.460	129.225	1.765
100	89	140.589	145.167	4.577
100	233	128.466	148.926	20.460



26.3_Isnk0p1v VIN5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	185	µA
Min Limit	85	µA

krad(Si)	0	3	10	30	50	100
LL	85.000	85.000	85.000	85.000	85.000	85.000
Min	134.603	127.744	129.360	132.341	129.750	129.225
Average	134.603	134.696	136.302	138.247	137.859	140.143
Max	134.603	138.399	141.908	146.592	147.795	149.994
UL	185.000	185.000	185.000	185.000	185.000	185.000



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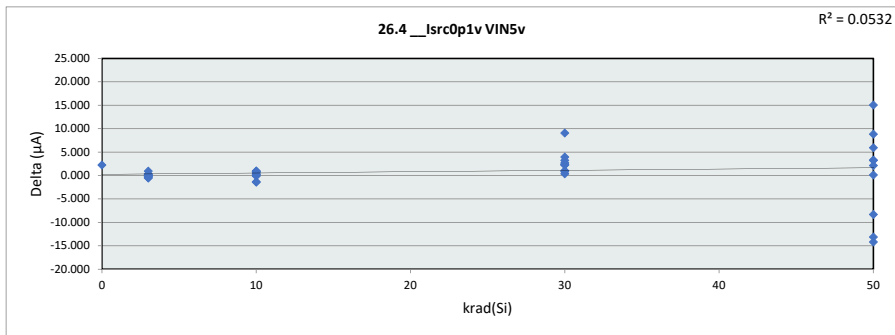
100	251	134.562	136.831	2.268
100	31	139.418	141.355	1.937
100	286	129.566	135.350	5.784
100	305	141.386	144.698	3.312
100	295	142.208	143.505	1.297
100	205	147.232	148.551	1.319
100	212	135.428	138.008	2.581
100	135	137.327	140.864	3.537
100	239u	129.075	131.216	2.140
100	195u	128.794	131.753	2.959
100	262u	139.436	139.640	0.203
100	161u	137.999	140.468	2.468
100	191u	139.124	141.458	2.334
	Max	147.232	149.994	20.460
	Average	136.252	138.081	1.829
	Min	127.329	127.744	-14.835
	Std Dev	5.573	5.470	5.201

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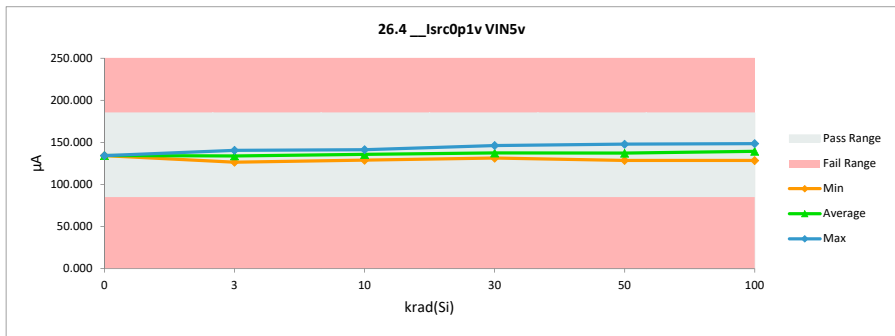
26.4 _IsrcOp1v VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	µA	µA
Max Limit	185	185
Min Limit	85	85

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	132.040	134.281	2.240
3	79	128.188	129.125	0.937
3	150	134.231	134.068	-0.162
3	159	136.971	136.480	-0.491
3	351	126.760	126.516	-0.244
3	146	140.289	140.549	0.259
3	132u	133.200	132.684	-0.516
3	357u	137.030	137.115	0.084
3	276u	135.337	135.315	-0.022
3	256u	133.999	134.334	0.334
3	273u	132.959	132.925	-0.034
10	149	134.537	134.431	-0.106
10	122	140.314	141.302	0.987
10	182	131.434	131.556	0.122
10	280	134.165	134.334	0.169
10	314	134.328	135.246	0.919
10	60u	133.390	134.240	0.850
10	194u	135.462	135.777	0.316
10	97u	142.073	140.711	-1.362
10	264u	130.266	128.835	-1.431
10	284u	139.139	139.742	0.603
30	9	145.835	146.179	0.344
30	190	127.372	131.319	3.946
30	157	140.898	141.730	0.831
30	65	130.575	133.256	2.681
30	102	132.368	134.652	2.284
30	64u	142.195	143.239	1.044
30	101u	129.116	138.171	9.055
30	59u	133.931	137.174	3.243
30	25u	134.212	136.627	2.415
30	287u	129.047	131.284	2.237
50	332	127.525	142.573	15.048
50	333	144.373	130.191	-14.182
50	259	131.887	137.805	5.918
50	265	130.428	139.268	8.839
50	330	145.173	136.852	-8.321
50	40u	134.131	137.402	3.271
50	335u	141.611	128.485	-13.126
50	294u	134.137	137.402	3.265
50	302u	133.593	133.709	0.116
50	331u	145.660	147.794	2.134
100	165	141.611	131.653	-9.958
100	88	129.960	138.693	8.733
100	16	135.218	142.598	7.380
100	342	137.746	131.459	-6.287
100	166	142.570	147.370	4.799
100	244	126.601	131.122	4.521
100	33	145.535	148.616	3.081
100	77	139.824	141.520	1.697
100	27	135.221	141.023	5.802
100	255	136.824	138.877	2.053
100	22	141.930	145.907	3.978
100	168	126.844	128.438	1.594
100	89	140.355	145.170	4.815
100	233	127.944	147.313	19.369



26.4 _IsrcOp1v VIN5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	185	µA
Min Limit	85	µA

krad(Si)	0	3	10	30	50	100
LL	85.000	85.000	85.000	85.000	85.000	85.000
Min	134.281	126.516	128.835	131.284	128.485	128.438
Average	134.281	133.911	135.617	137.363	137.148	139.370
Max	134.281	140.549	141.302	146.179	147.794	148.616
UL	185.000	185.000	185.000	185.000	185.000	185.000



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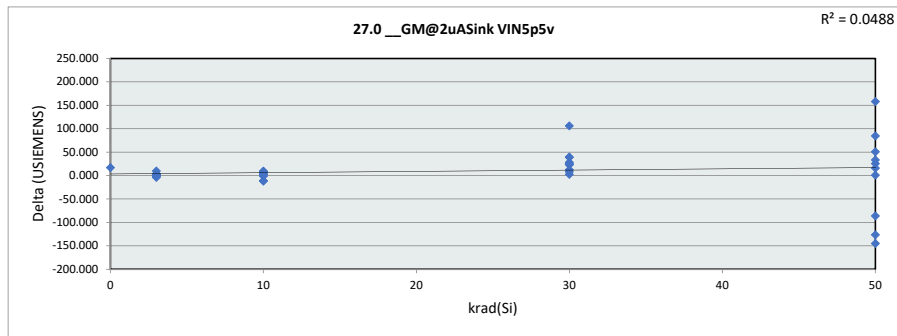
100	251	134.649	136.537	1.887
100	31	138.186	140.214	2.028
100	286	128.747	134.765	6.018
100	305	140.677	143.898	3.221
100	295	140.202	141.645	1.444
100	205	145.604	147.188	1.584
100	212	135.215	137.915	2.700
100	135	136.227	139.496	3.268
100	239u	129.344	131.147	1.803
100	195u	128.222	130.997	2.775
100	262u	138.724	139.696	0.972
100	161u	137.171	139.921	2.750
100	191u	137.212	139.802	2.590
	Max	145.835	148.616	19.369
	Average	135.567	137.318	1.752
	Min	126.601	126.516	-14.182
	Std Dev	5.380	5.384	4.931

HDR Report

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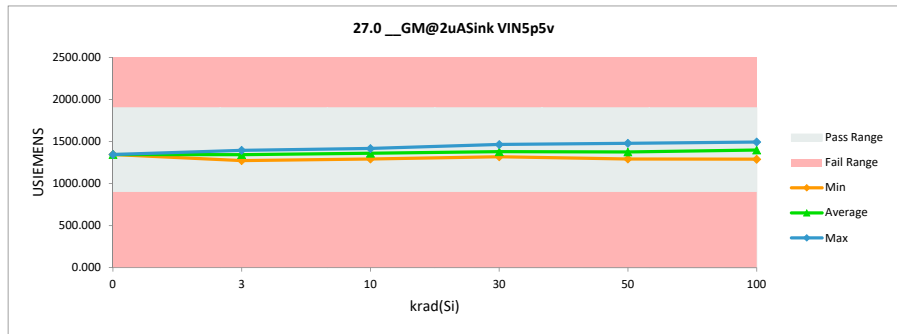
27.0_GM@2uASink VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	USIEMENS	USIEMENS
Max Limit	1900	1900
Min Limit	900	900

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	1328.516	1345.574	17.059
3	79	1280.177	1289.804	9.627
3	150	1345.794	1348.601	2.807
3	159	1372.991	1369.112	-3.878
3	351	1272.113	1273.195	1.083
3	146	1395.390	1395.118	-0.273
3	132u	1342.712	1340.353	-2.359
3	357u	1374.271	1374.801	0.530
3	276u	1355.499	1358.470	2.971
3	256u	1346.469	1350.069	3.600
3	273u	1338.148	1338.134	-0.013
10	149	1355.008	1353.714	-1.293
10	122	1407.421	1416.973	9.552
10	182	1322.571	1325.193	2.622
10	280	1344.477	1346.726	2.249
10	314	1345.345	1354.256	8.912
10	60u	1337.859	1343.752	5.893
10	194u	1354.630	1357.239	2.609
10	97u	1422.995	1411.125	-11.870
10	264u	1302.828	1291.589	-11.239
10	284u	1395.602	1401.471	5.868
30	9	1462.067	1464.470	2.403
30	190	1279.866	1318.898	39.032
30	157	1411.818	1419.987	8.169
30	65	1304.239	1332.279	28.040
30	102	1323.050	1346.931	23.881
30	64u	1421.542	1434.077	12.536
30	101u	1290.302	1396.347	106.045
30	59u	1346.075	1385.500	39.425
30	25u	1342.871	1369.295	26.424
30	287u	1295.711	1318.794	23.083
50	332	1274.799	1432.775	157.975
50	333	1453.546	1308.515	-145.031
50	259	1329.698	1380.490	50.792
50	265	1311.599	1395.960	84.361
50	330	1461.067	1374.796	-86.271
50	40u	1351.822	1377.101	25.279
50	335u	1418.914	1292.428	-126.486
50	294u	1343.678	1377.101	33.423
50	302u	1340.279	1341.041	0.762
50	331u	1462.230	1478.009	15.779
100	165	1418.914	1313.844	-105.070
100	88	1298.896	1387.271	88.376
100	16	1347.987	1434.115	86.128
100	342	1382.924	1317.876	-65.048
100	166	1436.569	1482.054	45.484
100	244	1270.293	1314.714	44.421
100	33	1462.674	1494.368	31.694
100	77	1395.579	1411.090	15.510
100	27	1354.535	1413.618	59.083
100	255	1378.927	1400.081	21.155
100	22	1423.808	1467.729	43.922
100	168	1271.682	1288.973	17.291
100	89	1405.310	1452.281	46.971
100	233	1282.736	1482.062	199.325



27.0_GM@2uASink VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1900	USIEMENS
Min Limit	900	USIEMENS

krad(Si)	0	3	10	30	50	100
LL	900.000	900.000	900.000	900.000	900.000	900.000
Min	1345.574	1273.195	1291.589	1318.794	1292.428	1288.973
Average	1345.574	1343.766	1360.204	1378.658	1375.822	1398.345
Max	1345.574	1395.118	1416.973	1464.470	1478.009	1494.368
UL	1900.000	1900.000	1900.000	1900.000	1900.000	1900.000



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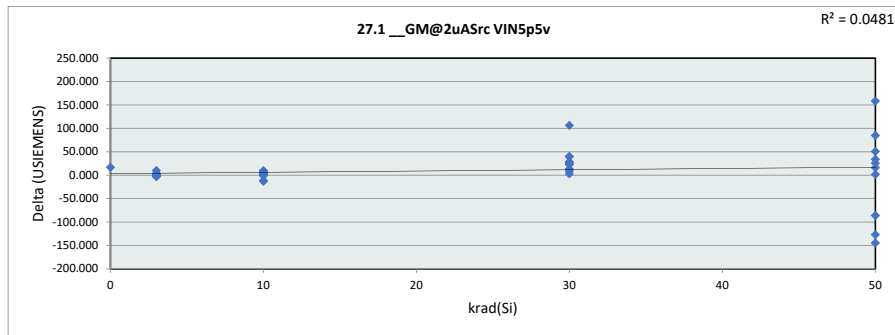
100	251	1346.469	1367.790	21.321
100	31	1388.394	1408.489	20.095
100	286	1292.818	1350.479	57.661
100	305	1410.674	1443.959	33.285
100	295	1413.180	1426.390	13.209
100	205	1464.732	1478.917	14.184
100	212	1353.919	1380.498	26.579
100	135	1368.284	1403.344	35.061
100	239u	1292.489	1313.321	20.832
100	195u	1285.655	1314.313	28.658
100	262u	1391.686	1397.256	5.570
100	161u	1376.720	1402.906	26.186
100	191u	1382.020	1407.568	25.547
	Max	1464.732	1494.368	199.325
	Average	1359.763	1377.726	17.963
	Min	1270.293	1273.195	-145.031
	Std Dev	54.655	54.098	50.580

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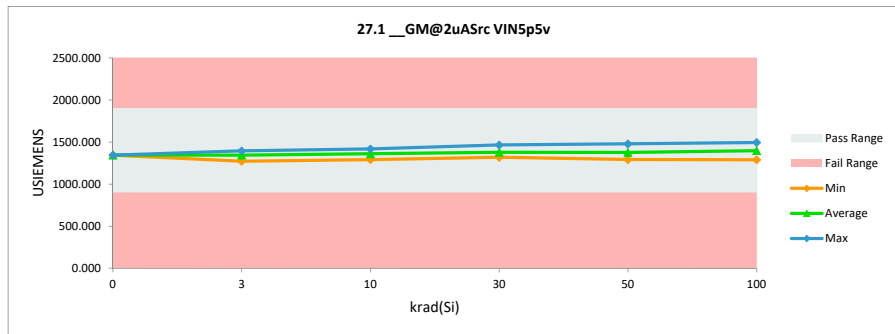
27.1 __GM@2uASrc VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	USIEMENS	USIEMENS
Max Limit	1900	1900
Min Limit	900	900

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR Nr	Delta
0	c1	1328.280	1345.305	17.026
3	79	1279.851	1289.776	9.925
3	150	1345.911	1348.506	2.595
3	159	1372.802	1369.588	-3.214
3	351	1271.897	1273.263	1.366
3	146	1395.836	1395.073	-0.763
3	132u	1342.560	1340.430	-2.130
3	357u	1374.502	1374.736	0.234
3	276u	1355.256	1358.394	3.138
3	256u	1346.469	1350.245	3.777
3	273u	1337.990	1337.968	-0.022
10	149	1355.071	1353.759	-1.313
10	122	1407.459	1417.208	9.749
10	182	1322.447	1324.987	2.540
10	280	1344.746	1346.949	2.203
10	314	1345.643	1353.590	7.947
10	60u	1337.748	1343.582	5.835
10	194u	1354.849	1357.350	2.501
10	97u	1423.192	1410.444	-12.747
10	264u	1303.026	1291.279	-11.748
10	284u	1395.533	1401.329	5.796
30	9	1461.984	1464.737	2.752
30	190	1279.874	1319.635	39.761
30	157	1411.632	1420.416	8.784
30	65	1304.062	1332.626	28.563
30	102	1323.052	1346.800	23.748
30	64u	1421.416	1434.509	13.093
30	101u	1290.049	1396.416	106.368
30	59u	1346.039	1385.657	39.618
30	25u	1342.895	1369.211	26.315
30	287u	1295.870	1318.579	22.709
50	332	1274.629	1433.012	158.384
50	333	1453.005	1308.428	-144.577
50	259	1329.872	1380.608	50.735
50	265	1311.615	1396.611	84.996
50	330	1461.272	1375.284	-85.988
50	40u	1351.850	1377.744	25.894
50	335u	1419.040	1292.159	-126.881
50	294u	1343.770	1377.744	33.974
50	302u	1340.002	1341.453	1.451
50	331u	1462.171	1478.112	15.942
100	165	1419.040	1314.051	-104.988
100	88	1298.665	1387.401	88.736
100	16	1348.118	1433.778	85.660
100	342	1383.105	1317.224	-65.880
100	166	1435.711	1481.037	45.326
100	244	1270.390	1314.945	44.555
100	33	1463.342	1494.456	31.114
100	77	1395.564	1410.471	14.908
100	27	1354.727	1414.891	60.163
100	255	1378.892	1399.756	20.864
100	22	1423.725	1467.199	43.474
100	168	1271.944	1289.192	17.248
100	89	1405.195	1452.486	47.291
100	233	1282.415	1482.477	200.063



27.1 __GM@2uASrc VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1900	USIEMENS
Min Limit	900	USIEMENS

krad(Si)	0	3	10	30	50	100
LL	900.000	900.000	900.000	900.000	900.000	900.000
Min	1345.305	1273.263	1291.279	1318.579	1292.159	1289.192
Average	1345.305	1343.798	1360.048	1378.859	1376.115	1398.247
Max	1345.305	1395.073	1417.208	1464.737	1478.112	1494.456
UL	1900.000	1900.000	1900.000	1900.000	1900.000	1900.000



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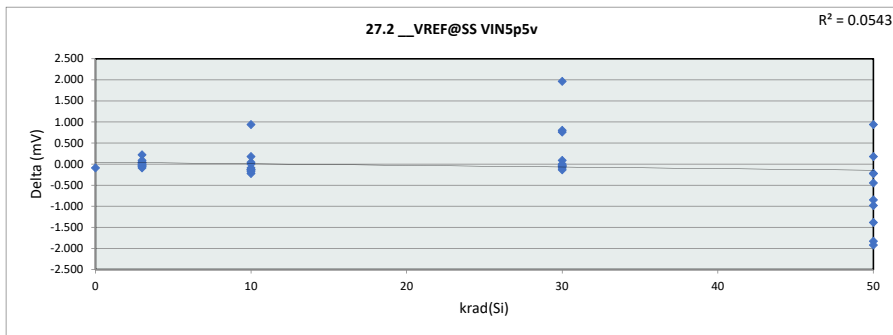
100	251	1346.801	1367.656	20.855
100	31	1388.679	1407.879	19.200
100	286	1292.687	1350.389	57.702
100	305	1410.753	1443.872	33.120
100	295	1413.283	1426.660	13.377
100	205	1464.978	1479.098	14.120
100	212	1353.971	1380.558	26.587
100	135	1368.340	1402.682	34.342
100	239u	1292.610	1312.959	20.348
100	195u	1285.558	1314.332	28.774
100	262u	1391.501	1397.196	5.695
100	161u	1376.233	1402.998	26.765
100	191u	1382.183	1407.034	24.852
	Max	1464.978	1494.456	200.063
	Average	1359.758	1377.738	17.979
	Min	1270.390	1273.263	-144.577
	Std Dev	54.680	54.104	50.679

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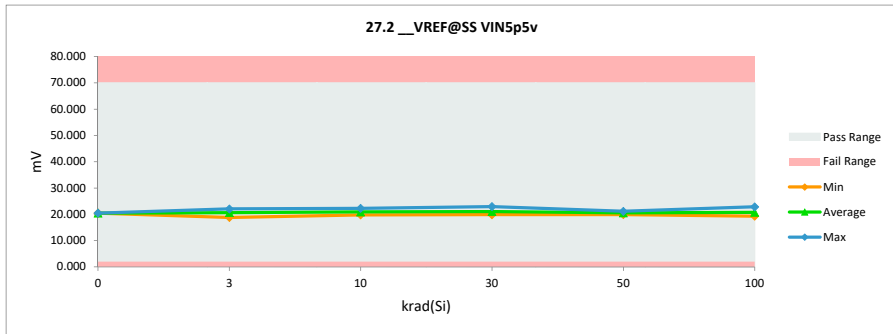
27.2 __VREF@SS VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	mV	mV
Max Limit	70	70
Min Limit	2	2

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	20.566	20.477	-0.089
3	79	19.719	19.674	-0.045
3	150	21.236	21.325	0.089
3	159	20.120	20.343	0.223
3	351	20.433	20.433	0.000
3	146	18.871	18.826	-0.045
3	132u	22.039	22.039	0.000
3	357u	20.656	20.700	0.045
3	276u	21.102	21.147	0.045
3	256u	20.656	20.611	-0.045
3	273u	21.325	21.236	-0.089
10	149	20.968	21.013	0.045
10	122	21.325	22.262	0.937
10	182	21.370	21.236	-0.134
10	280	20.611	20.388	-0.223
10	314	19.897	19.763	-0.134
10	60u	20.700	20.879	0.178
10	194u	20.745	20.745	0.000
10	97u	21.816	21.682	-0.134
10	264u	20.076	19.897	-0.178
10	284u	21.281	21.191	-0.089
30	9	21.236	21.102	-0.134
30	190	20.879	20.879	0.000
30	157	20.611	20.566	-0.045
30	65	20.076	20.165	0.089
30	102	19.942	19.853	-0.089
30	64u	20.790	20.745	-0.045
30	101u	20.968	22.931	1.963
30	59u	21.548	22.307	0.759
30	25u	20.388	21.191	0.803
30	287u	20.879	20.834	-0.045
50	332	19.629	20.566	0.937
50	333	21.727	19.897	-1.830
50	259	21.816	20.968	-0.848
50	265	20.522	20.700	0.178
50	330	22.128	21.147	-0.982
50	40u	22.351	20.433	-1.919
50	335u	21.638	20.254	-1.383
50	294u	20.879	20.433	-0.446
50	302u	20.120	19.897	-0.223
50	331u	21.281	21.057	-0.223
100	165	21.638	19.986	-1.651
100	88	19.540	19.585	0.045
100	16	20.745	21.236	0.491
100	342	21.459	19.853	-1.606
100	166	22.441	22.039	-0.402
100	244	19.986	19.808	-0.179
100	33	21.727	21.281	-0.446
100	77	20.343	19.986	-0.357
100	27	20.834	20.790	-0.045
100	255	22.039	21.682	-0.357
100	22	21.727	21.325	-0.402
100	168	20.299	20.879	0.580
100	89	20.611	20.388	-0.223
100	233	20.254	21.504	1.249



27.2 __VREF@SS VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	70	mV
Min Limit	2	mV

krad(Si)	0	3	10	30	50	100
LL	2.000	2.000	2.000	2.000	2.000	2.000
Min	20.477	18.826	19.763	19.853	19.897	19.272
Average	20.477	20.633	20.906	21.057	20.535	20.755
Max	20.477	22.039	22.262	22.932	21.147	22.842
UL	70.000	70.000	70.000	70.000	70.000	70.000



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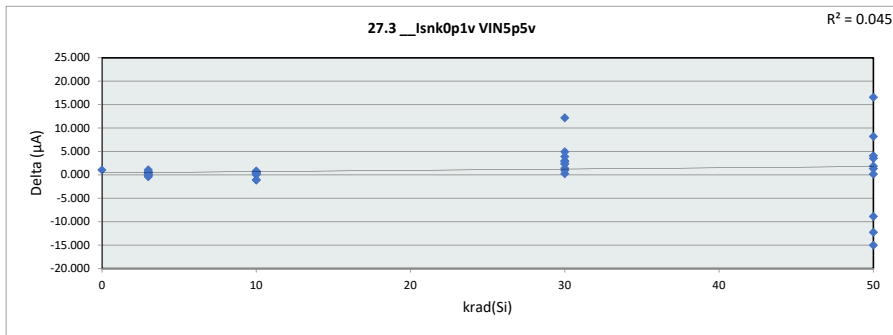
100	251	20.656	20.343	-0.312
100	31	21.459	21.102	-0.357
100	286	21.414	20.254	-1.160
100	305	21.236	20.790	-0.446
100	295	21.102	20.745	-0.357
100	205	22.084	21.593	-0.491
100	212	20.611	20.254	-0.357
100	135	21.816	22.842	1.026
100	239u	19.496	19.272	-0.223
100	195u	20.388	20.477	0.089
100	262u	21.281	19.986	-1.294
100	161u	21.504	21.281	-0.223
100	191u	21.325	21.102	-0.223
	Max	22.441	22.931	1.963
	Average	20.925	20.767	-0.158
	Min	18.871	18.826	-1.919
	Std Dev	0.752	0.787	0.667

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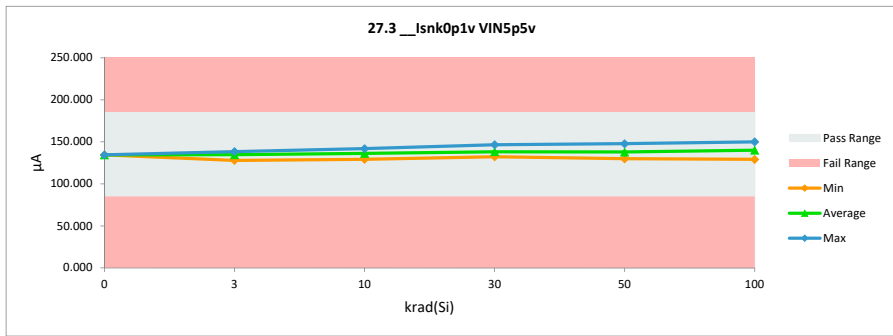
27.3_Isnk0p1v_VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	µA	µA
Max Limit	185	185
Min Limit	85	85

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	133.437	134.475	1.037
3	79	127.647	128.707	1.059
3	150	134.825	135.493	0.669
3	159	137.437	137.052	-0.384
3	351	127.366	127.923	0.556
3	146	138.537	138.359	-0.178
3	132u	135.140	135.234	0.094
3	357u	137.605	137.668	0.063
3	276u	135.640	136.215	0.575
3	256u	135.137	135.400	0.262
3	273u	134.471	134.478	0.006
10	149	136.265	136.287	0.022
10	122	141.080	141.880	0.800
10	182	132.753	133.272	0.519
10	280	134.562	134.931	0.369
10	314	134.450	135.228	0.778
10	60u	133.890	134.350	0.459
10	194u	135.253	135.515	0.262
10	97u	142.342	141.233	-1.109
10	264u	130.194	129.154	-1.040
10	284u	139.671	140.240	0.569
30	9	146.239	146.492	0.253
30	190	128.397	132.294	3.896
30	157	141.208	142.192	0.984
30	65	130.110	132.994	2.884
30	102	132.047	134.384	2.337
30	64u	141.924	143.339	1.415
30	101u	128.691	140.877	12.186
30	59u	134.912	139.849	4.937
30	25u	134.115	137.099	2.984
30	287u	129.841	132.256	2.415
50	332	127.232	143.820	16.588
50	333	146.057	131.053	-15.004
50	259	133.887	137.971	4.084
50	265	131.656	139.855	8.199
50	330	146.782	137.909	-8.874
50	40u	136.021	137.896	1.875
50	335u	142.070	129.832	-12.239
50	294u	134.368	137.896	3.528
50	302u	134.181	134.328	0.147
50	331u	146.489	147.795	1.306
100	165	142.070	131.225	-10.845
100	88	129.650	138.621	8.970
100	16	134.365	143.870	9.505
100	342	138.612	132.012	-6.599
100	166	144.433	148.663	4.231
100	244	127.291	131.650	4.359
100	33	146.926	149.979	3.053
100	77	139.049	140.680	1.631
100	27	135.371	141.736	6.365
100	255	138.815	140.889	2.075
100	22	142.730	147.507	4.777
100	168	127.398	129.116	1.719
100	89	140.452	145.201	4.749
100	233	128.366	148.823	20.456



27.3_Isnk0p1v_VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	185	µA
Min Limit	85	µA

krad(Si)	0	3	10	30	50	100
LL	85.000	85.000	85.000	85.000	85.000	85.000
Min	134.475	127.923	129.154	132.256	129.832	129.116
Average	134.475	134.653	136.209	138.178	137.835	140.117
Max	134.475	138.359	141.880	146.492	147.795	149.979
UL	185.000	185.000	185.000	185.000	185.000	185.000



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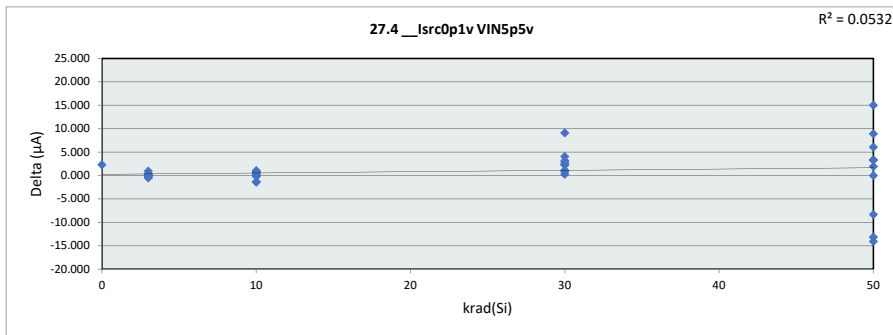
100	251	134.428	136.984	2.556
100	31	139.361	141.277	1.915
100	286	129.575	135.184	5.609
100	305	141.211	144.620	3.409
100	295	142.105	143.589	1.484
100	205	147.185	148.585	1.400
100	212	135.271	137.868	2.597
100	135	137.084	140.864	3.781
100	239u	128.957	131.160	2.203
100	195u	128.676	131.619	2.943
100	262u	139.249	139.543	0.294
100	161u	137.984	140.411	2.428
100	191u	138.977	141.486	2.509
	Max	147.185	149.979	20.456
	Average	136.169	138.035	1.866
	Min	127.232	127.923	-15.004
	Std Dev	5.573	5.476	5.209

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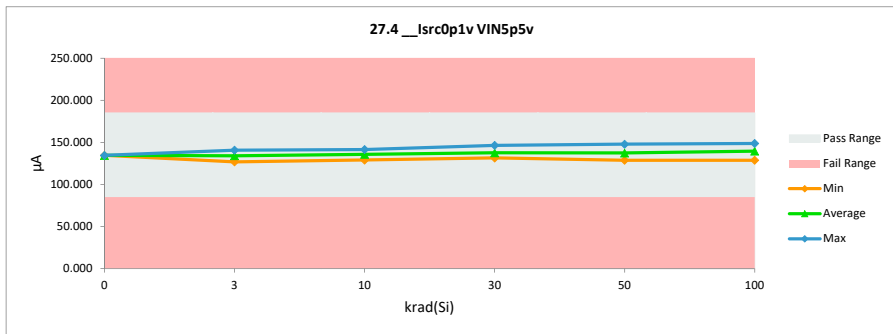
27.4_Isrc0p1v VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	µA	µA
Max Limit	185	185
Min Limit	85	85

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	132.242	134.562	2.320
3	79	128.369	129.296	0.927
3	150	134.319	134.331	0.012
3	159	137.193	136.754	-0.439
3	351	127.009	126.802	-0.206
3	146	140.506	140.668	0.162
3	132u	133.367	132.887	-0.480
3	357u	137.186	137.312	0.127
3	276u	135.461	135.468	0.007
3	256u	134.192	134.576	0.383
3	273u	133.132	133.120	-0.012
10	149	134.725	134.551	-0.174
10	122	140.445	141.473	1.028
10	182	131.766	131.699	-0.067
10	280	134.408	134.524	0.116
10	314	134.673	135.500	0.827
10	60u	133.696	134.412	0.716
10	194u	135.642	135.945	0.303
10	97u	142.229	140.865	-1.364
10	264u	130.443	129.020	-1.423
10	284u	139.330	139.917	0.587
30	9	146.101	146.360	0.258
30	190	127.616	131.668	4.052
30	157	141.085	141.925	0.840
30	65	130.808	133.567	2.759
30	102	132.530	134.869	2.339
30	64u	142.368	143.481	1.114
30	101u	129.306	138.402	9.096
30	59u	134.238	137.405	3.167
30	25u	134.389	136.745	2.356
30	287u	129.270	131.490	2.221
50	332	127.770	142.770	15.000
50	333	144.623	130.558	-14.065
50	259	132.027	138.097	6.070
50	265	130.673	139.555	8.883
50	330	145.400	137.068	-8.333
50	40u	134.300	137.667	3.366
50	335u	141.830	128.703	-13.126
50	294u	134.414	137.666	3.252
50	302u	133.908	133.905	-0.003
50	331u	145.936	147.868	1.932
100	165	141.830	131.714	-10.116
100	88	130.062	139.054	8.992
100	16	135.353	142.912	7.559
100	342	138.023	131.583	-6.439
100	166	142.898	147.703	4.805
100	244	126.805	131.283	4.478
100	33	145.635	148.806	3.171
100	77	139.972	141.581	1.609
100	27	135.533	141.366	5.833
100	255	136.981	139.019	2.038
100	22	142.021	146.042	4.020
100	168	126.991	128.746	1.755
100	89	140.579	145.382	4.803
100	233	128.170	147.475	19.305



27.4_Isrc0p1v VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	185	µA
Min Limit	85	µA

krad(Si)	0	3	10	30	50	100
LL	85.000	85.000	85.000	85.000	85.000	85.000
Min	134.562	126.802	129.020	131.490	128.703	128.746
Average	134.562	134.121	135.791	137.591	137.386	139.581
Max	134.562	140.668	141.473	146.360	147.868	148.806
UL	185.000	185.000	185.000	185.000	185.000	185.000



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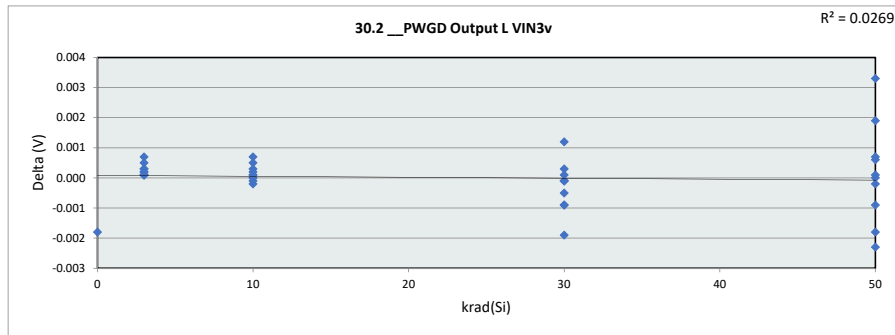
100	251	134.792	136.749	1.957
100	31	138.358	140.327	1.969
100	286	129.150	134.914	5.764
100	305	140.773	144.252	3.479
100	295	140.509	141.887	1.378
100	205	145.863	147.330	1.466
100	212	135.454	138.132	2.678
100	135	136.475	139.700	3.225
100	239u	129.505	131.407	1.901
100	195u	128.447	131.303	2.856
100	262u	138.958	139.791	0.833
100	161u	137.340	140.195	2.855
100	191u	137.371	140.025	2.654
	Max	146.101	148.806	19.305
	Average	135.776	137.531	1.755
	Min	126.805	126.802	-14.065
	Std Dev	5.377	5.374	4.944

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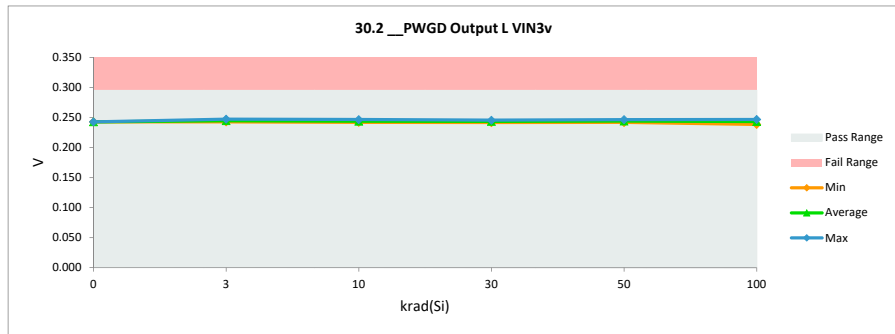
30.2_PWGD Output L VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	0.295	0.295
Min Limit	0	0

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	0.245	0.243	-0.002
3	79	0.244	0.244	0.000
3	150	0.243	0.243	0.000
3	159	0.245	0.246	0.000
3	351	0.245	0.245	0.000
3	146	0.245	0.245	0.000
3	132u	0.242	0.243	0.001
3	357u	0.244	0.245	0.000
3	276u	0.244	0.244	0.000
3	256u	0.247	0.247	0.000
3	273u	0.243	0.243	0.000
10	149	0.245	0.245	0.000
10	122	0.242	0.243	0.000
10	182	0.244	0.244	0.000
10	280	0.243	0.243	0.000
10	314	0.247	0.247	0.000
10	60u	0.242	0.242	0.000
10	194u	0.243	0.243	0.000
10	97u	0.244	0.243	0.000
10	264u	0.244	0.245	0.001
10	284u	0.243	0.243	0.000
30	9	0.242	0.242	0.000
30	190	0.243	0.243	0.000
30	157	0.244	0.244	0.000
30	65	0.244	0.244	0.000
30	102	0.246	0.245	0.000
30	64u	0.243	0.243	0.000
30	101u	0.245	0.243	-0.002
30	59u	0.244	0.243	-0.001
30	25u	0.243	0.244	0.001
30	287u	0.245	0.244	-0.001
50	332	0.244	0.246	0.002
50	333	0.245	0.243	-0.002
50	259	0.243	0.244	0.001
50	265	0.245	0.243	-0.002
50	330	0.243	0.243	0.000
50	40u	0.244	0.243	-0.001
50	335u	0.243	0.246	0.003
50	294u	0.243	0.243	0.001
50	302u	0.246	0.246	0.000
50	331u	0.242	0.242	0.000
100	165	0.243	0.243	0.001
100	88	0.243	0.243	-0.001
100	16	0.243	0.243	0.000
100	342	0.244	0.243	0.000
100	166	0.239	0.239	0.000
100	244	0.243	0.242	0.000
100	33	0.242	0.242	0.000
100	77	0.244	0.244	0.000
100	27	0.243	0.242	-0.001
100	255	0.245	0.245	0.000
100	22	0.244	0.244	0.000
100	168	0.244	0.244	0.000
100	89	0.246	0.246	0.000
100	233	0.244	0.245	0.001



30.2_PWGD Output L VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	0.295	V
Min Limit	0	V

krad(Si)	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.243	0.243	0.242	0.242	0.242	0.239
Average	0.243	0.245	0.244	0.244	0.244	0.243
Max	0.243	0.247	0.247	0.246	0.246	0.247
UL	0.295	0.295	0.295	0.295	0.295	0.295



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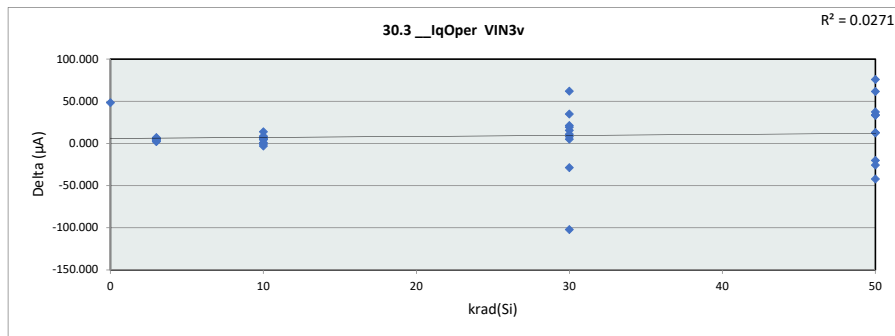
100	251	0.245	0.245	0.000
100	31	0.244	0.244	0.000
100	286	0.243	0.242	0.000
100	305	0.243	0.242	0.000
100	295	0.247	0.247	0.000
100	205	0.243	0.243	0.000
100	212	0.243	0.242	0.000
100	135	0.243	0.243	0.000
100	239u	0.243	0.243	-0.001
100	195u	0.243	0.243	0.000
100	262u	0.245	0.244	-0.001
100	161u	0.243	0.243	-0.001
100	191u	0.243	0.243	-0.001
	Max	0.247	0.247	0.003
	Average	0.244	0.244	0.000
	Min	0.239	0.239	-0.002
	Std Dev	0.001	0.001	0.001

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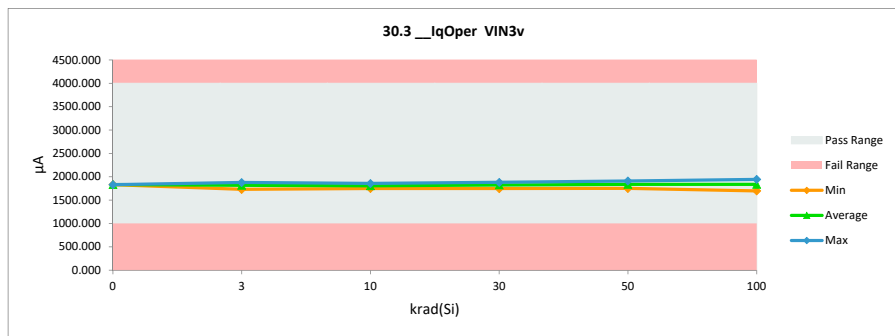
30.3 IqOper VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	µA	µA
Max Limit	4000	4000
Min Limit	1000	1000

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	1783.775	1832.077	48.302
3	79	1807.999	1812.671	4.672
3	150	1872.801	1876.945	4.144
3	159	1793.159	1797.917	4.758
3	351	1837.205	1839.592	2.387
3	146	1818.089	1823.865	5.776
3	132u	1813.238	1818.095	4.857
3	357u	1845.821	1852.807	6.987
3	276u	1815.624	1817.806	2.182
3	256u	1724.407	1729.290	4.883
3	273u	1805.584	1809.495	3.911
10	149	1744.473	1749.049	4.576
10	122	1843.086	1856.759	13.673
10	182	1755.364	1759.870	4.506
10	280	1818.415	1826.181	7.766
10	314	1808.414	1817.056	8.641
10	60u	1819.038	1824.722	5.685
10	194u	1780.410	1785.568	5.159
10	97u	1821.338	1818.241	-3.096
10	264u	1787.593	1788.375	0.782
10	284u	1845.314	1844.519	-0.795
30	9	1864.974	1880.388	15.414
30	190	1823.031	1844.170	21.140
30	157	1868.057	1876.103	8.046
30	65	1770.539	1781.380	10.842
30	102	1808.159	1827.505	19.345
30	64u	1832.747	1837.765	5.018
30	101u	1749.401	1811.323	61.922
30	59u	1814.140	1848.951	34.811
30	25u	1848.269	1746.173	-102.095
30	287u	1819.029	1790.229	-28.800
50	332	1776.519	1750.835	-25.684
50	333	1815.941	1795.684	-20.256
50	259	1795.460	1832.823	37.363
50	265	1797.520	1830.855	33.336
50	330	1847.653	1909.287	61.633
50	40u	1795.137	1870.954	75.817
50	335u	1806.457	1764.299	-42.158
50	294u	1837.168	1870.954	33.787
50	302u	1875.365	1887.859	12.494
50	331u	1857.781	1870.585	12.805
100	165	1806.457	1833.684	27.227
100	88	1812.875	1901.525	88.651
100	16	1860.467	1876.686	16.219
100	342	1836.229	1816.380	-19.849
100	166	1914.905	1946.051	31.146
100	244	1793.946	1821.896	27.950
100	33	1856.589	1882.410	25.821
100	77	1888.303	1908.580	20.277
100	27	1833.519	1864.613	31.094
100	255	1816.240	1830.807	14.567
100	22	1797.931	1794.161	-3.770
100	168	1756.374	1792.193	35.819
100	89	1831.689	1848.522	16.833
100	233	1799.729	1697.062	-102.667



30.3 IqOper VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	4000	µA
Min Limit	1000	µA

krad(Si)	0	3	10	30	50	100
LL	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000
Min	1832.077	1729.290	1749.049	1746.174	1750.835	1697.062
Average	1832.077	1817.849	1807.034	1824.399	1838.414	1838.153
Max	1832.077	1876.945	1856.759	1880.388	1909.287	1946.051
UL	4000.000	4000.000	4000.000	4000.000	4000.000	4000.000



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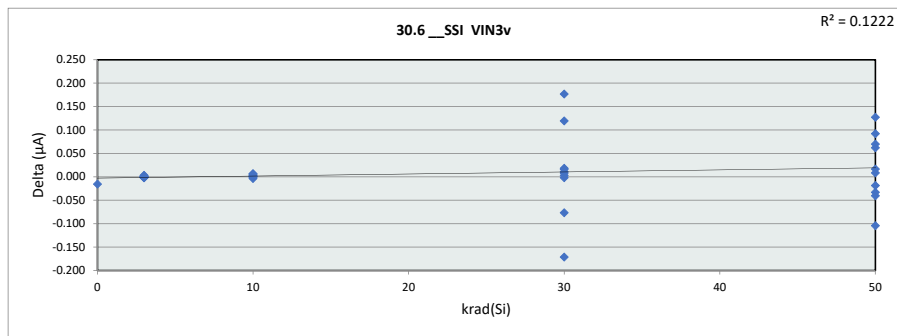
100	251	1852.231	1867.972	15.741
100	31	1792.632	1817.017	24.385
100	286	1769.697	1798.296	28.599
100	305	1861.450	1877.745	16.295
100	295	1821.115	1858.004	36.888
100	205	1838.543	1866.086	27.543
100	212	1760.193	1772.046	11.853
100	135	1836.992	1848.730	11.738
100	239u	1789.527	1810.255	20.728
100	195u	1743.432	1758.501	15.069
100	262u	1855.434	1859.736	4.302
100	161u	1803.207	1834.315	31.108
100	191u	1832.991	1846.848	13.857
	Max	1914.905	1946.051	88.651
	Average	1816.282	1828.517	12.235
	Min	1724.407	1697.062	-102.667
	Std Dev	37.125	46.299	29.493

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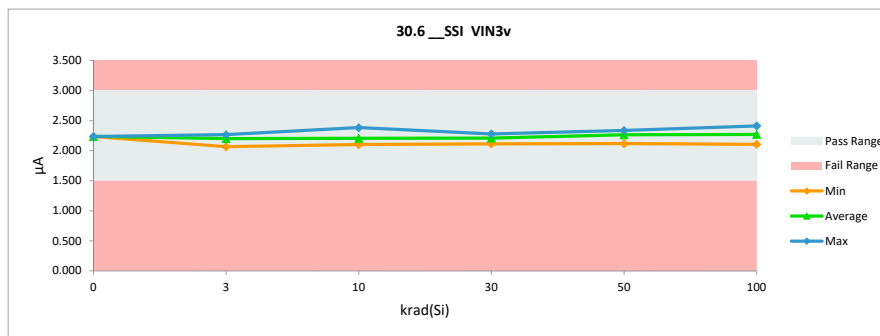
30.6_SSI_VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	µA	µA
Max Limit	3	3
Min Limit	1.5	1.5

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	2.253	2.237	-0.016
3	79	2.190	2.193	0.003
3	150	2.269	2.267	-0.002
3	159	2.174	2.174	-0.001
3	351	2.205	2.206	0.001
3	146	2.220	2.218	-0.002
3	132u	2.237	2.237	0.000
3	357u	2.250	2.252	0.002
3	276u	2.200	2.200	0.001
3	256u	2.067	2.068	0.000
3	273u	2.215	2.214	-0.001
10	149	2.157	2.162	0.006
10	122	2.251	2.252	0.001
10	182	2.203	2.210	0.007
10	280	2.208	2.207	-0.001
10	314	2.167	2.167	0.000
10	60u	2.220	2.222	0.002
10	194u	2.130	2.132	0.003
10	97u	2.219	2.225	0.006
10	264u	2.101	2.103	0.002
10	284u	2.387	2.384	-0.004
30	9	2.235	2.243	0.008
30	190	2.212	2.230	0.018
30	157	2.262	2.278	0.016
30	65	2.109	2.120	0.011
30	102	2.189	2.191	0.003
30	64u	2.225	2.223	-0.002
30	101u	2.094	2.271	0.177
30	59u	2.152	2.272	0.119
30	25u	2.284	2.113	-0.171
30	287u	2.234	2.157	-0.077
50	332	2.151	2.118	-0.033
50	333	2.229	2.211	-0.019
50	259	2.219	2.281	0.062
50	265	2.218	2.288	0.070
50	330	2.319	2.278	-0.040
50	40u	2.208	2.336	0.127
50	335u	2.262	2.158	-0.104
50	294u	2.243	2.335	0.092
50	302u	2.298	2.306	0.008
50	331u	2.313	2.330	0.017
100	165	2.262	2.258	-0.003
100	88	2.236	2.291	0.055
100	16	2.255	2.252	-0.003
100	342	2.206	2.236	0.029
100	166	2.312	2.340	0.027
100	244	2.193	2.250	0.057
100	33	2.347	2.397	0.050
100	77	2.309	2.352	0.044
100	27	2.310	2.368	0.058
100	255	2.142	2.171	0.029
100	22	2.256	2.290	0.034
100	168	2.092	2.115	0.024
100	89	2.269	2.310	0.041
100	233	2.204	2.397	0.194



30.6_SSI_VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	3	µA
Min Limit	1.5	µA

krad(Si)	0	3	10	30	50	100
LL	1.500	1.500	1.500	1.500	1.500	1.500
Min	2.237	2.068	2.103	2.113	2.118	2.105
Average	2.237	2.203	2.206	2.210	2.264	2.272
Max	2.237	2.267	2.384	2.278	2.336	2.413
UL	3.000	3.000	3.000	3.000	3.000	3.000



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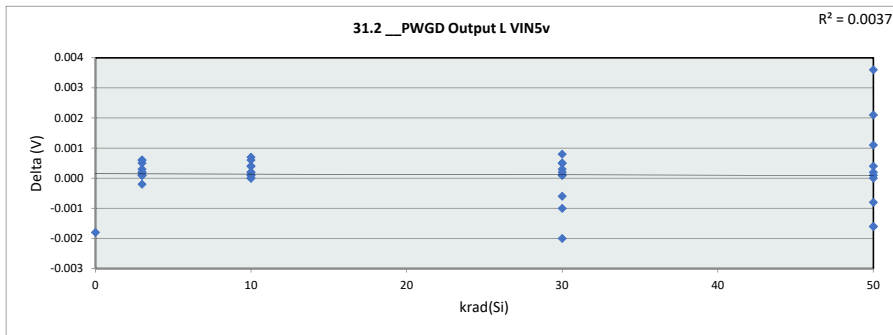
100	251	2.313	2.346	0.033
100	31	2.177	2.226	0.049
100	286	2.173	2.205	0.032
100	305	2.232	2.275	0.043
100	295	2.214	2.241	0.027
100	205	2.364	2.413	0.049
100	212	2.199	2.227	0.027
100	135	2.224	2.254	0.030
100	239u	2.065	2.105	0.040
100	195u	2.116	2.163	0.046
100	262u	2.231	2.266	0.035
100	161u	2.215	2.252	0.036
100	191u	2.305	2.338	0.033
	Max	2.387	2.413	0.194
	Average	2.221	2.241	0.021
	Min	2.065	2.068	-0.171
	Std Dev	0.068	0.078	0.051

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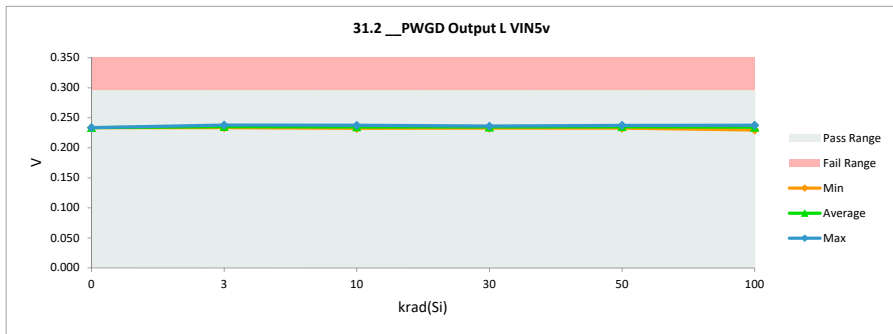
31.2_PWGD Output L VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	0.295	0.295
Min Limit	0	0

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	0.235	0.234	-0.002
3	79	0.235	0.235	0.000
3	150	0.234	0.234	0.000
3	159	0.236	0.237	0.000
3	351	0.235	0.236	0.000
3	146	0.236	0.236	0.000
3	132u	0.233	0.234	0.001
3	357u	0.235	0.235	0.000
3	276u	0.235	0.235	0.000
3	256u	0.238	0.238	0.000
3	273u	0.234	0.234	0.001
10	149	0.236	0.236	0.000
10	122	0.233	0.234	0.001
10	182	0.234	0.235	0.000
10	280	0.234	0.234	0.000
10	314	0.237	0.237	0.000
10	60u	0.233	0.233	0.000
10	194u	0.234	0.234	0.000
10	97u	0.234	0.235	0.000
10	264u	0.235	0.235	0.001
10	284u	0.234	0.234	0.000
30	9	0.232	0.233	0.001
30	190	0.234	0.234	0.000
30	157	0.235	0.235	0.000
30	65	0.235	0.235	0.000
30	102	0.236	0.236	0.000
30	64u	0.234	0.234	0.000
30	101u	0.236	0.234	-0.002
30	59u	0.235	0.234	-0.001
30	25u	0.234	0.235	0.001
30	287u	0.235	0.235	-0.001
50	332	0.235	0.237	0.002
50	333	0.236	0.234	-0.002
50	259	0.234	0.235	0.001
50	265	0.236	0.234	-0.002
50	330	0.234	0.234	0.000
50	40u	0.235	0.234	-0.001
50	335u	0.233	0.237	0.004
50	294u	0.234	0.234	0.000
50	302u	0.237	0.237	0.000
50	331u	0.233	0.233	0.000
100	165	0.233	0.234	0.001
100	88	0.234	0.234	0.000
100	16	0.234	0.235	0.001
100	342	0.235	0.235	0.000
100	166	0.229	0.230	0.000
100	244	0.233	0.234	0.000
100	33	0.233	0.233	0.000
100	77	0.235	0.235	0.000
100	27	0.233	0.234	0.000
100	255	0.236	0.236	0.000
100	22	0.235	0.235	0.000
100	168	0.235	0.235	-0.001
100	89	0.237	0.237	0.000
100	233	0.235	0.235	0.000



31.2_PWGD Output L VIN5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	0.295	V
Min Limit	0	V

krad(Si)	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.234	0.234	0.233	0.233	0.233	0.230
Average	0.234	0.235	0.235	0.235	0.235	0.234
Max	0.234	0.238	0.238	0.236	0.237	0.238
UL	0.295	0.295	0.295	0.295	0.295	0.295



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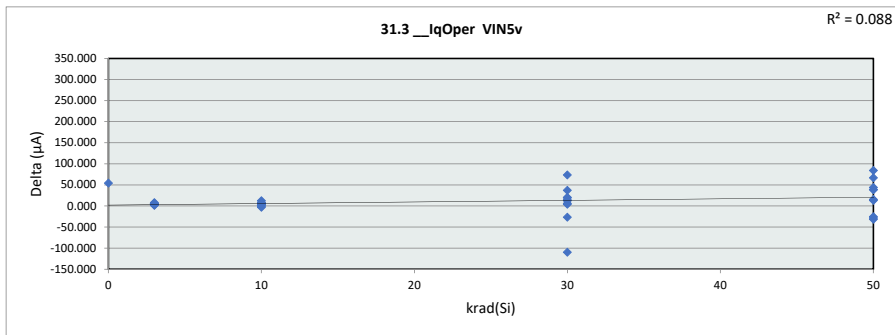
100	251	0.236	0.236	0.000
100	31	0.234	0.235	0.000
100	286	0.234	0.234	0.000
100	305	0.233	0.233	0.000
100	295	0.238	0.238	0.000
100	205	0.234	0.234	0.000
100	212	0.234	0.234	0.000
100	135	0.235	0.235	0.000
100	239u	0.234	0.234	0.000
100	195u	0.234	0.234	0.000
100	262u	0.236	0.236	0.000
100	161u	0.234	0.234	0.000
100	191u	0.235	0.234	-0.001
	Max	0.238	0.238	0.004
	Average	0.235	0.235	0.000
	Min	0.229	0.230	-0.002
	Std Dev	0.001	0.001	0.001

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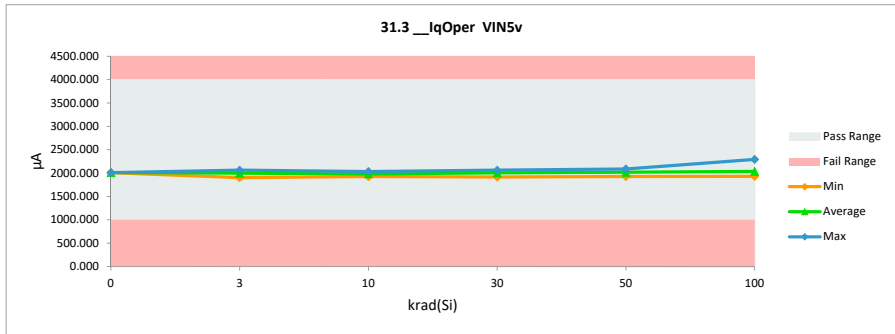
31.3 IqOper VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	µA	µA
Max Limit	4000	4000
Min Limit	1000	1000

krad(Si)	Serial #	POL3A PRE HDR	L3A POST HDR	Delta
0	c1	1956.441	2010.634	54.193
3	79	1985.375	1990.288	4.914
3	150	2057.673	2061.897	4.224
3	159	1971.370	1976.759	5.389
3	351	2017.088	2018.447	1.359
3	146	1999.038	2004.971	5.932
3	132u	1989.998	1994.696	4.698
3	357u	2022.324	2030.193	7.869
3	276u	1989.679	1992.197	2.518
3	256u	1898.684	1903.770	5.086
3	273u	1982.382	1986.452	4.070
10	149	1921.416	1925.671	4.255
10	122	2020.112	2032.417	12.305
10	182	1926.346	1931.806	5.460
10	280	1994.755	2002.556	7.800
10	314	1984.047	1992.153	8.106
10	60u	1996.645	2000.919	4.274
10	194u	1958.215	1963.620	5.404
10	97u	1999.438	1996.233	-3.205
10	264u	1960.890	1961.630	0.740
10	284u	2022.152	2021.552	-0.600
30	9	2046.949	2061.431	14.482
30	190	2002.537	2022.870	20.333
30	157	2048.711	2054.787	6.076
30	65	1947.010	1959.284	12.274
30	102	1986.558	2005.661	19.103
30	64u	2012.749	2016.707	3.958
30	101u	1922.332	1995.902	73.570
30	59u	1993.050	2030.118	37.068
30	25u	2025.857	1916.256	-109.601
30	287u	1995.708	1969.130	-26.578
50	332	1951.384	1925.902	-25.481
50	333	1998.957	1970.477	-28.480
50	259	1970.802	2009.285	38.483
50	265	1965.832	2009.803	43.972
50	330	2021.383	2088.247	66.863
50	40u	1971.030	2055.240	84.210
50	335u	1974.288	1942.649	-31.639
50	294u	2016.495	2055.240	38.745
50	302u	2054.603	2070.222	15.619
50	331u	2037.312	2050.651	13.339
100	165	1974.288	2178.345	204.058
100	88	1987.802	2081.809	94.007
100	16	2039.224	2057.314	18.090
100	342	2014.102	1989.704	-24.397
100	166	2099.808	2132.546	32.738
100	244	1975.915	2004.302	28.387
100	33	2039.571	2066.427	26.856
100	77	2069.304	2088.997	19.693
100	27	2014.195	2049.517	35.322
100	255	1993.122	2005.308	12.186
100	22	1974.447	1969.215	-5.232
100	168	1926.386	1963.086	36.699
100	89	2012.499	2027.462	14.963
100	233	1974.822	2294.079	319.257



31.3 IqOper VIN5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	4000	µA
Min Limit	1000	µA

krad(Si)	0	3	10	30	50	100
LL	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000
Min	2010.634	1903.770	1925.671	1916.256	1925.902	1930.654
Average	2010.634	1995.967	1982.856	2003.215	2017.772	2038.495
Max	2010.634	2061.897	2032.417	2061.431	2088.247	2294.079
UL	4000.000	4000.000	4000.000	4000.000	4000.000	4000.000



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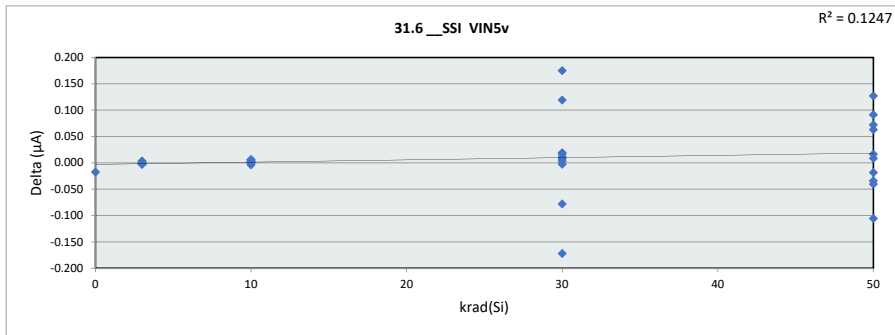
100	251	2033.157	2049.489	16.332
100	31	1968.627	1995.090	26.462
100	286	1947.138	1975.737	28.599
100	305	2039.115	2055.406	16.291
100	295	1998.676	2034.323	35.646
100	205	2012.971	2041.239	28.268
100	212	1935.202	1947.679	12.477
100	135	2013.355	2026.154	12.799
100	239u	1965.294	1988.452	23.157
100	195u	1912.551	1930.654	18.103
100	262u	2037.671	2045.003	7.332
100	161u	1979.948	2011.499	31.551
100	191u	2013.580	2030.521	16.941
	Max	2099.808	2294.079	319.257
	Average	1993.388	2015.413	22.025
	Min	1898.684	1903.770	-109.601
	Std Dev	39.549	60.776	51.337

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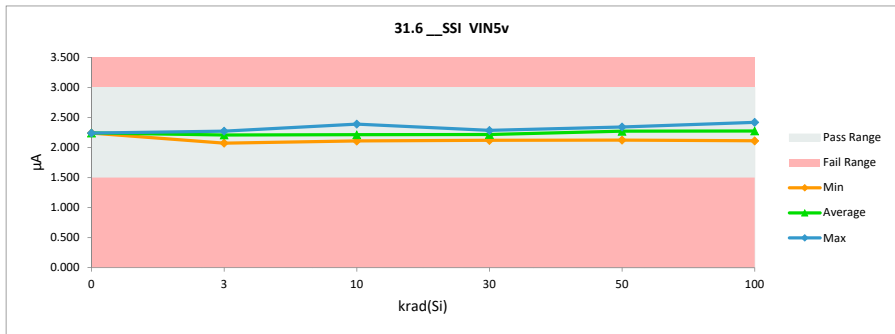
31.6_SSI_VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	µA	µA
Max Limit	3	3
Min Limit	1.5	1.5

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	2.260	2.242	-0.017
3	79	2.196	2.199	0.003
3	150	2.276	2.273	-0.003
3	159	2.181	2.179	-0.001
3	351	2.214	2.212	-0.001
3	146	2.227	2.224	-0.002
3	132u	2.245	2.243	-0.001
3	357u	2.257	2.259	0.002
3	276u	2.207	2.206	-0.001
3	256u	2.073	2.073	0.000
3	273u	2.222	2.220	-0.002
10	149	2.163	2.168	0.006
10	122	2.257	2.258	0.001
10	182	2.210	2.215	0.005
10	280	2.214	2.213	-0.001
10	314	2.171	2.173	0.001
10	60u	2.227	2.228	0.001
10	194u	2.136	2.139	0.003
10	97u	2.225	2.231	0.006
10	264u	2.107	2.108	0.001
10	284u	2.394	2.390	-0.004
30	9	2.242	2.250	0.008
30	190	2.217	2.237	0.019
30	157	2.268	2.285	0.016
30	65	2.116	2.127	0.011
30	102	2.195	2.198	0.003
30	64u	2.231	2.229	-0.003
30	101u	2.102	2.277	0.175
30	59u	2.159	2.278	0.119
30	25u	2.291	2.119	-0.172
30	287u	2.240	2.163	-0.078
50	332	2.158	2.124	-0.034
50	333	2.236	2.217	-0.019
50	259	2.226	2.288	0.063
50	265	2.224	2.296	0.072
50	330	2.325	2.285	-0.040
50	40u	2.215	2.342	0.127
50	335u	2.269	2.163	-0.106
50	294u	2.250	2.342	0.091
50	302u	2.304	2.312	0.009
50	331u	2.320	2.337	0.016
100	165	2.269	2.264	-0.004
100	88	2.242	2.298	0.057
100	16	2.261	2.259	-0.003
100	342	2.213	2.242	0.029
100	166	2.319	2.346	0.027
100	244	2.200	2.256	0.056
100	33	2.353	2.404	0.051
100	77	2.315	2.359	0.044
100	27	2.317	2.375	0.058
100	255	2.149	2.178	0.029
100	22	2.262	2.296	0.034
100	168	2.098	2.120	0.023
100	89	2.274	2.317	0.042
100	233	2.210	2.359	0.149



31.6_SSI_VIN5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	3	µA
Min Limit	1.5	µA

krad(Si)	0	3	10	30	50	100
LL	1.500	1.500	1.500	1.500	1.500	1.500
Min	2.242	2.073	2.108	2.119	2.124	2.112
Average	2.242	2.209	2.212	2.216	2.271	2.277
Max	2.242	2.273	2.390	2.285	2.342	2.419
UL	3.000	3.000	3.000	3.000	3.000	3.000



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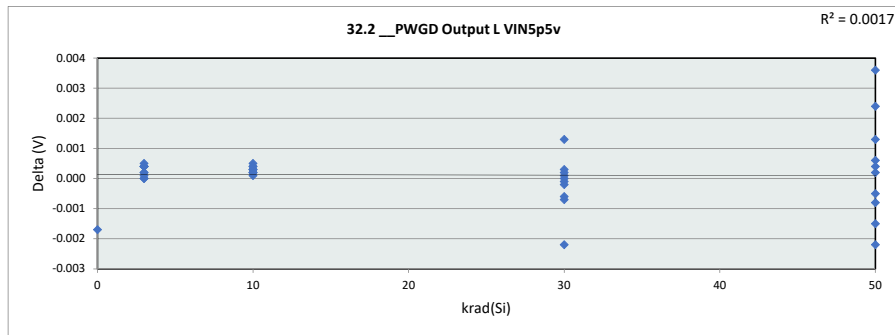
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100	251	2.319	2.353	0.035
100	31	2.182	2.233	0.050
100	286	2.180	2.212	0.032
100	305	2.239	2.282	0.043
100	295	2.220	2.248	0.027
100	205	2.371	2.419	0.048
100	212	2.206	2.234	0.028
100	135	2.231	2.260	0.029
100	239u	2.070	2.112	0.042
100	195u	2.123	2.170	0.046
100	262u	2.237	2.272	0.035
100	161u	2.222	2.260	0.038
100	191u	2.311	2.345	0.034
	Max	2.394	2.419	0.175
	Average	2.227	2.247	0.020
	Min	2.070	2.073	-0.172
	Std Dev	0.068	0.077	0.050

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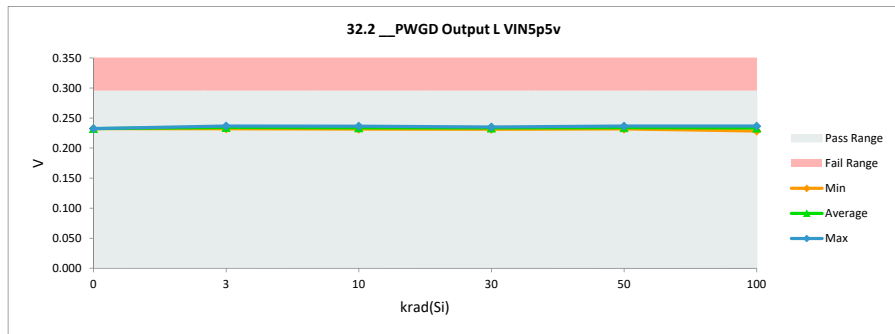
32.2 __PWGD Output L VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	0.295	0.295
Min Limit	0	0

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	0.234	0.232	-0.002
3	79	0.234	0.234	0.000
3	150	0.232	0.233	0.000
3	159	0.235	0.235	0.000
3	351	0.234	0.235	0.000
3	146	0.235	0.235	0.000
3	132u	0.232	0.232	0.000
3	357u	0.234	0.235	0.000
3	276u	0.234	0.234	0.000
3	256u	0.237	0.237	0.000
3	273u	0.233	0.233	0.000
10	149	0.235	0.235	0.000
10	122	0.232	0.233	0.001
10	182	0.233	0.234	0.000
10	280	0.233	0.233	0.000
10	314	0.236	0.236	0.000
10	60u	0.231	0.232	0.000
10	194u	0.232	0.233	0.000
10	97u	0.233	0.234	0.000
10	264u	0.234	0.234	0.000
10	284u	0.233	0.233	0.000
30	9	0.231	0.231	0.000
30	190	0.233	0.233	0.000
30	157	0.234	0.234	0.000
30	65	0.234	0.234	0.000
30	102	0.235	0.235	0.000
30	64u	0.233	0.233	0.000
30	101u	0.235	0.233	-0.002
30	59u	0.234	0.234	-0.001
30	25u	0.233	0.234	0.001
30	287u	0.234	0.234	-0.001
50	332	0.234	0.236	0.002
50	333	0.235	0.233	-0.001
50	259	0.233	0.234	0.001
50	265	0.235	0.233	-0.002
50	330	0.233	0.232	0.000
50	40u	0.234	0.233	-0.001
50	335u	0.232	0.236	0.004
50	294u	0.232	0.233	0.001
50	302u	0.236	0.236	0.000
50	331u	0.231	0.232	0.000
100	165	0.232	0.233	0.001
100	88	0.233	0.233	0.000
100	16	0.233	0.233	0.000
100	342	0.234	0.234	0.000
100	166	0.229	0.228	0.000
100	244	0.232	0.233	0.000
100	33	0.232	0.232	0.000
100	77	0.233	0.234	0.000
100	27	0.233	0.232	0.000
100	255	0.235	0.235	0.000
100	22	0.234	0.234	0.000
100	168	0.234	0.234	0.000
100	89	0.236	0.236	0.000
100	233	0.234	0.235	0.001



32.2 __PWGD Output L VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	0.295	V
Min Limit	0	V

krad(Si)	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.232	0.232	0.232	0.231	0.232	0.229
Average	0.232	0.234	0.234	0.233	0.234	0.233
Max	0.232	0.237	0.236	0.235	0.237	0.237
UL	0.295	0.295	0.295	0.295	0.295	0.295



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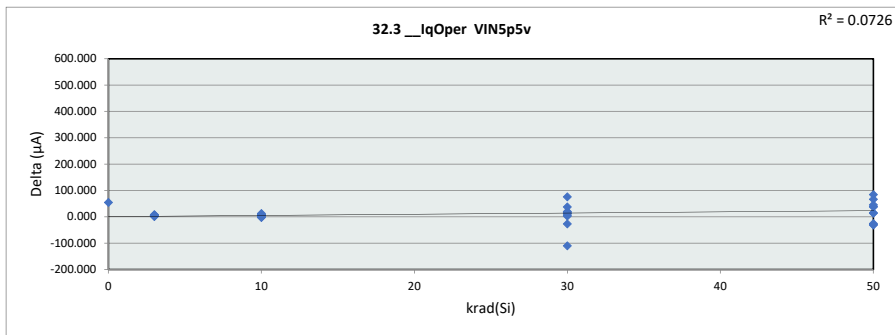
100	251	0.235	0.235	0.000
100	31	0.234	0.234	0.000
100	286	0.232	0.233	0.000
100	305	0.232	0.232	0.000
100	295	0.237	0.236	0.000
100	205	0.233	0.233	0.000
100	212	0.233	0.233	0.000
100	135	0.233	0.233	0.000
100	239u	0.233	0.233	0.000
100	195u	0.233	0.233	0.000
100	262u	0.235	0.235	0.000
100	161u	0.233	0.233	0.000
100	191u	0.233	0.233	-0.001
	Max	0.237	0.237	0.004
	Average	0.233	0.234	0.000
	Min	0.229	0.228	-0.002
	Std Dev	0.001	0.001	0.001

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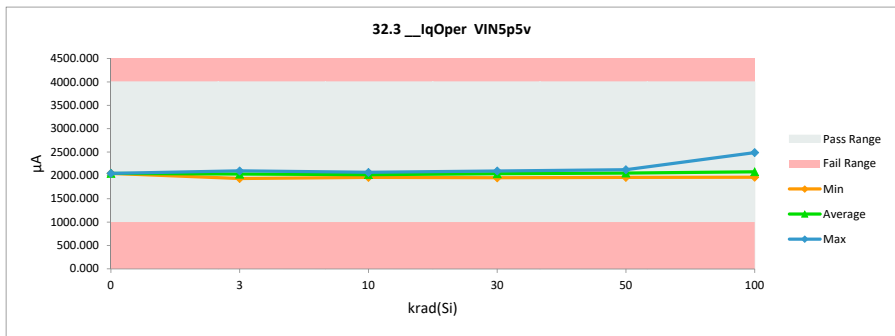
32.3 IqOper VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	µA	µA
Max Limit	4000	4000
Min Limit	1000	1000

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	1988.167	2042.751	54.583
3	79	2017.469	2022.655	5.186
3	150	2090.499	2095.494	4.995
3	159	2003.777	2008.438	4.661
3	351	2048.986	2049.920	0.934
3	146	2031.164	2036.781	5.617
3	132u	2022.349	2026.797	4.448
3	357u	2054.000	2062.212	8.213
3	276u	2021.633	2024.092	2.458
3	256u	1930.447	1935.258	4.811
3	273u	2014.911	2018.759	3.849
10	149	1953.264	1957.797	4.533
10	122	2052.069	2064.487	12.417
10	182	1958.131	1963.464	5.332
10	280	2026.606	2034.326	7.719
10	314	2015.948	2023.630	7.682
10	60u	2029.034	2033.585	4.551
10	194u	1990.391	1996.033	5.642
10	97u	2031.477	2028.574	-2.902
10	264u	1993.000	1993.584	0.584
10	284u	2054.450	2053.856	-0.594
30	9	2079.950	2093.642	13.692
30	190	2034.838	2054.375	19.537
30	157	2080.659	2087.097	6.438
30	65	1978.814	1990.988	12.174
30	102	2019.128	2036.965	17.837
30	64u	2045.028	2047.943	2.915
30	101u	1953.208	2028.881	75.673
30	59u	2025.822	2063.256	37.433
30	25u	2058.133	1948.054	-110.079
30	287u	2028.143	2001.228	-26.915
50	332	1983.381	1957.697	-25.684
50	333	2031.814	2002.037	-29.777
50	259	2002.887	2040.211	37.324
50	265	1997.295	2042.541	45.246
50	330	2054.328	2121.004	66.676
50	40u	2003.559	2087.594	84.035
50	335u	2006.823	1975.900	-30.923
50	294u	2048.355	2087.594	39.239
50	302u	2087.141	2102.407	15.266
50	331u	2069.685	2083.161	13.476
100	165	2006.823	2247.777	240.954
100	88	2019.375	2113.000	93.625
100	16	2070.760	2087.978	17.219
100	342	2045.740	2020.727	-25.013
100	166	2133.281	2164.825	31.545
100	244	2008.394	2036.340	27.946
100	33	2072.327	2098.290	25.963
100	77	2101.445	2120.807	19.362
100	27	2046.677	2081.559	34.881
100	255	2024.879	2036.316	11.437
100	22	2006.392	2000.700	-5.692
100	168	1958.303	1994.518	36.215
100	89	2044.787	2059.707	14.920
100	233	2006.895	2487.674	480.779



32.3 IqOper VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	4000	µA
Min Limit	1000	µA

krad(Si)	0	3	10	30	50	100
LL	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000
Min	2042.751	1935.258	1957.797	1948.054	1957.697	1961.721
Average	2042.751	2028.041	2014.934	2035.243	2050.015	2077.518
Max	2042.751	2095.494	2064.487	2093.642	2121.004	2487.674
UL	4000.000	4000.000	4000.000	4000.000	4000.000	4000.000



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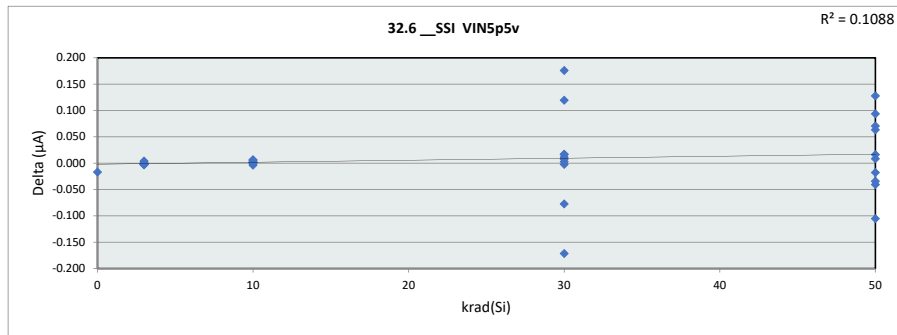
100	251	2065.167	2080.821	15.654
100	31	2000.229	2026.669	26.440
100	286	1980.061	2007.663	27.603
100	305	2071.612	2086.741	15.129
100	295	2030.302	2064.637	34.335
100	205	2045.228	2073.568	28.340
100	212	1966.644	1978.689	12.046
100	135	2045.993	2058.195	12.202
100	239u	1997.829	2020.490	22.661
100	195u	1943.396	1961.720	18.325
100	262u	2069.860	2077.541	7.682
100	161u	2011.527	2043.419	31.892
100	191u	2046.356	2062.600	16.244
	Max	2133.281	2487.674	480.779
	Average	2025.545	2050.265	24.721
	Min	1930.447	1935.258	-110.079
	Std Dev	39.788	75.053	68.408

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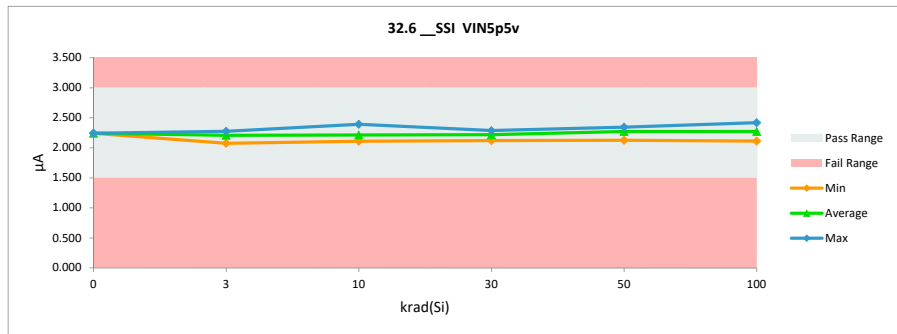
32.6_SSI_VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	µA	µA
Max Limit	3	3
Min Limit	1.5	1.5

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	2.261	2.244	-0.017
3	79	2.197	2.201	0.004
3	150	2.277	2.274	-0.003
3	159	2.182	2.180	-0.002
3	351	2.215	2.213	-0.002
3	146	2.228	2.225	-0.003
3	132u	2.246	2.245	-0.001
3	357u	2.258	2.260	0.002
3	276u	2.208	2.207	-0.001
3	256u	2.075	2.075	0.000
3	273u	2.224	2.222	-0.002
10	149	2.164	2.170	0.006
10	122	2.259	2.260	0.001
10	182	2.211	2.217	0.006
10	280	2.216	2.215	-0.001
10	314	2.173	2.175	0.002
10	60u	2.228	2.228	0.000
10	194u	2.137	2.140	0.003
10	97u	2.226	2.232	0.006
10	264u	2.109	2.110	0.001
10	284u	2.396	2.392	-0.004
30	9	2.244	2.252	0.008
30	190	2.220	2.237	0.017
30	157	2.270	2.286	0.017
30	65	2.117	2.128	0.011
30	102	2.196	2.199	0.003
30	64u	2.233	2.231	-0.002
30	101u	2.103	2.279	0.176
30	59u	2.160	2.280	0.119
30	25u	2.293	2.121	-0.171
30	287u	2.242	2.164	-0.077
50	332	2.159	2.125	-0.034
50	333	2.237	2.219	-0.018
50	259	2.227	2.290	0.063
50	265	2.225	2.296	0.071
50	330	2.327	2.286	-0.041
50	40u	2.217	2.344	0.128
50	335u	2.270	2.165	-0.105
50	294u	2.251	2.344	0.094
50	302u	2.305	2.314	0.008
50	331u	2.322	2.338	0.016
100	165	2.270	2.266	-0.004
100	88	2.244	2.300	0.056
100	16	2.263	2.260	-0.003
100	342	2.214	2.244	0.030
100	166	2.320	2.348	0.028
100	244	2.201	2.257	0.056
100	33	2.354	2.405	0.051
100	77	2.317	2.360	0.044
100	27	2.318	2.376	0.058
100	255	2.150	2.179	0.029
100	22	2.263	2.297	0.034
100	168	2.099	2.122	0.023
100	89	2.276	2.318	0.042
100	233	2.211	2.242	0.031



32.6_SSI_VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	3	µA
Min Limit	1.5	µA

krad(Si)	0	3	10	30	50	100
LL	1.500	1.500	1.500	1.500	1.500	1.500
Min	2.244	2.075	2.110	2.121	2.125	2.113
Average	2.244	2.210	2.214	2.218	2.272	2.274
Max	2.244	2.274	2.392	2.286	2.344	2.421
UL	3.000	3.000	3.000	3.000	3.000	3.000



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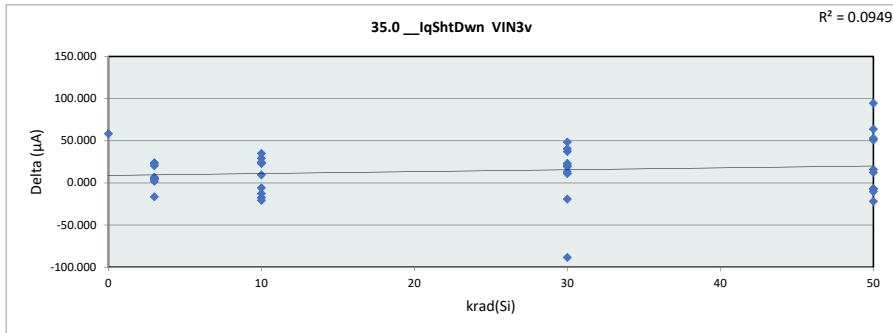
100	251	2.320	2.354	0.034
100	31	2.184	2.235	0.051
100	286	2.181	2.214	0.033
100	305	2.240	2.283	0.043
100	295	2.221	2.249	0.028
100	205	2.372	2.421	0.049
100	212	2.208	2.235	0.027
100	135	2.233	2.261	0.028
100	239u	2.072	2.113	0.041
100	195u	2.124	2.171	0.047
100	262u	2.239	2.274	0.035
100	161u	2.223	2.260	0.037
100	191u	2.312	2.347	0.034
	Max	2.396	2.421	0.176
	Average	2.228	2.247	0.018
	Min	2.072	2.075	-0.171
	Std Dev	0.068	0.076	0.047

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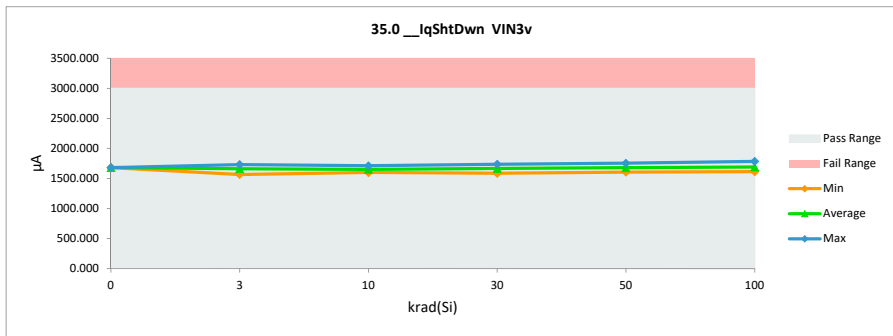
35.0 IqShtDwn VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	µA	µA
Max Limit	3000	3000
Min Limit	0.1	0.1

krad(Si)	Serial #	POL3A PRE HDR	OL3A POST HDR	Delta
0	c1	1622.360	1680.672	58.313
3	79	1638.726	1643.813	5.087
3	150	1723.923	1729.483	5.560
3	159	1622.957	1645.687	22.730
3	351	1676.874	1697.128	20.254
3	146	1673.464	1657.053	-16.411
3	132u	1651.851	1656.062	4.211
3	357u	1679.531	1686.191	6.661
3	276u	1668.152	1670.032	1.880
3	256u	1561.219	1566.616	5.397
3	273u	1627.848	1651.764	23.916
10	149	1578.139	1602.600	24.460
10	122	1675.355	1710.198	34.843
10	182	1610.491	1597.828	-12.664
10	280	1640.676	1669.888	29.212
10	314	1636.925	1646.337	9.412
10	60u	1656.257	1680.429	24.172
10	194u	1612.770	1635.777	23.007
10	97u	1674.205	1668.313	-5.892
10	264u	1645.620	1628.236	-17.384
10	284u	1683.516	1662.792	-20.724
30	9	1697.716	1734.906	37.190
30	190	1662.466	1702.865	40.399
30	157	1701.093	1712.156	11.063
30	65	1615.081	1627.967	12.886
30	102	1628.584	1649.510	20.926
30	64u	1666.954	1690.020	23.065
30	101u	1592.330	1640.752	48.422
30	59u	1673.220	1692.350	19.130
30	25u	1674.140	1585.673	-88.467
30	287u	1648.778	1629.593	-19.185
50	332	1612.316	1605.609	-6.707
50	333	1670.337	1648.611	-21.726
50	259	1619.220	1672.250	53.029
50	265	1640.188	1656.129	15.941
50	330	1689.105	1752.830	63.725
50	40u	1622.232	1716.711	94.479
50	335u	1618.952	1611.260	-7.692
50	294u	1665.868	1716.711	50.843
50	302u	1701.936	1714.267	12.330
50	331u	1700.809	1690.452	-10.357
100	165	1618.952	1670.442	51.490
100	88	1660.078	1759.134	99.057
100	16	1713.789	1736.101	22.313
100	342	1690.582	1656.688	-33.894
100	166	1764.752	1784.984	20.231
100	244	1632.507	1663.546	31.039
100	33	1675.062	1725.325	50.263
100	77	1719.012	1765.131	46.120
100	27	1669.993	1708.550	38.557
100	255	1669.731	1675.166	5.435
100	22	1635.043	1620.896	-14.147
100	168	1616.121	1654.855	38.734
100	89	1657.951	1701.780	43.829
100	233	1633.150	1706.384	73.235



35.0 IqShtDwn VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	3000	µA
Min Limit	0.1	µA

krad(Si)	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	1680.672	1566.617	1597.828	1585.673	1605.609	1611.352
Average	1680.672	1660.383	1650.240	1666.579	1678.483	1691.423
Max	1680.672	1729.483	1710.199	1734.906	1752.830	1784.984
UL	3000.000	3000.000	3000.000	3000.000	3000.000	3000.000



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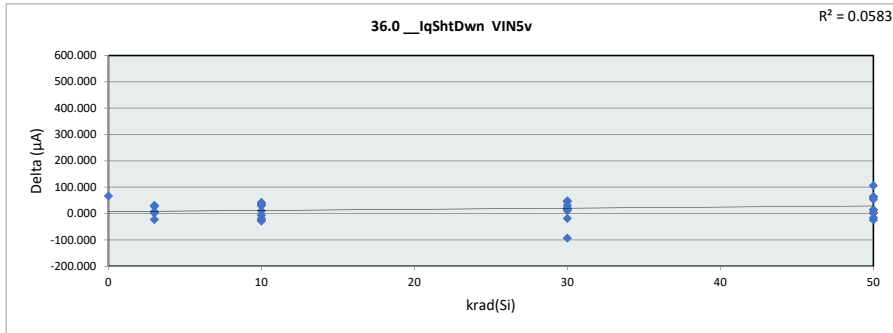
100	251	1701.389	1723.807	22.418
100	31	1651.423	1681.272	29.849
100	286	1603.150	1636.934	33.784
100	305	1684.895	1730.046	45.151
100	295	1667.743	1703.214	35.471
100	205	1655.783	1709.123	53.340
100	212	1610.646	1611.352	0.707
100	135	1686.172	1705.384	19.211
100	239u	1623.887	1643.895	20.008
100	195u	1601.166	1617.368	16.202
100	262u	1680.149	1706.650	26.501
100	161u	1652.634	1682.089	29.454
100	191u	1654.215	1688.313	34.099
	Max	1764.752	1784.984	99.057
	Average	1654.296	1675.087	20.791
	Min	1561.219	1566.616	-88.467
	Std Dev	37.057	45.193	29.537

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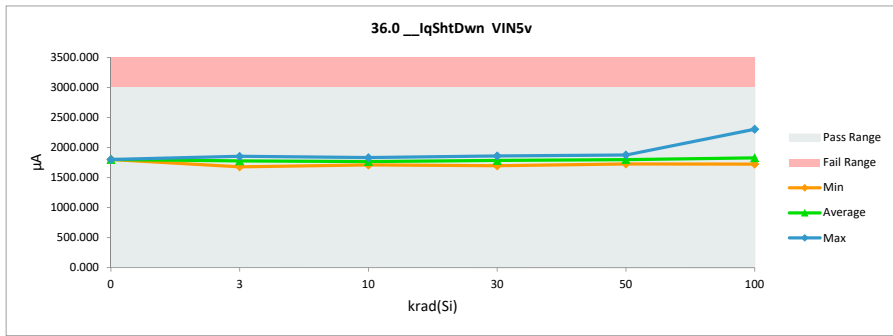
36.0 IqShtDwn VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	µA	µA
Max Limit	3000	3000
Min Limit	0.1	0.1

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	1734.092	1800.947	66.855
3	79	1752.695	1757.794	5.099
3	150	1845.409	1852.140	6.731
3	159	1736.334	1765.686	29.352
3	351	1790.950	1818.211	27.261
3	146	1792.966	1770.303	-22.663
3	132u	1764.966	1769.646	4.680
3	357u	1792.764	1799.679	6.915
3	276u	1787.480	1789.806	2.326
3	256u	1672.363	1678.004	5.641
3	273u	1741.675	1772.609	30.934
10	149	1690.198	1721.827	31.630
10	122	1789.613	1831.824	42.211
10	182	1727.948	1709.182	-18.765
10	280	1752.914	1789.415	36.501
10	314	1749.292	1759.134	9.842
10	60u	1770.557	1801.917	31.360
10	194u	1725.433	1755.714	30.281
10	97u	1794.503	1788.483	-6.020
10	264u	1763.027	1739.018	-24.009
10	284u	1805.566	1777.591	-27.975
30	9	1813.767	1859.034	45.267
30	190	1775.864	1823.438	47.574
30	157	1815.070	1826.486	11.416
30	65	1726.984	1740.543	13.559
30	102	1742.194	1762.734	20.540
30	64u	1780.598	1811.302	30.705
30	101u	1709.507	1756.910	47.402
30	59u	1794.750	1814.222	19.471
30	25u	1789.115	1696.130	-92.985
30	287u	1761.010	1742.787	-18.223
50	332	1722.675	1725.762	3.087
50	333	1793.166	1768.834	-24.332
50	259	1732.374	1786.046	53.672
50	265	1757.637	1772.173	14.537
50	330	1810.428	1875.340	64.911
50	40u	1734.236	1840.502	106.266
50	335u	1731.585	1733.156	1.571
50	294u	1779.070	1840.502	61.431
50	302u	1817.190	1831.701	14.511
50	331u	1823.377	1807.608	-15.769
100	165	1731.585	1786.500	54.914
100	88	1780.108	1881.267	101.158
100	16	1834.655	1857.462	22.808
100	342	1810.809	1772.328	-38.481
100	166	1890.751	1905.334	14.584
100	244	1746.820	1782.322	35.502
100	33	1791.125	1849.911	58.786
100	77	1833.360	1886.677	53.317
100	27	1792.145	1833.302	41.156
100	255	1791.024	1790.951	-0.073
100	22	1755.788	1736.934	-18.854
100	168	1735.197	1775.526	40.329
100	89	1771.671	1823.586	51.914
100	233	1745.989	2305.063	559.074



36.0 IqShtDwn VIN5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	3000	µA
Min Limit	0.1	µA

krad(Si)	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	1800.947	1678.004	1709.182	1696.130	1725.762	1724.117
Average	1800.947	1777.388	1767.411	1783.359	1798.162	1829.200
Max	1800.947	1852.140	1831.824	1859.034	1875.340	2305.063
UL	3000.000	3000.000	3000.000	3000.000	3000.000	3000.000



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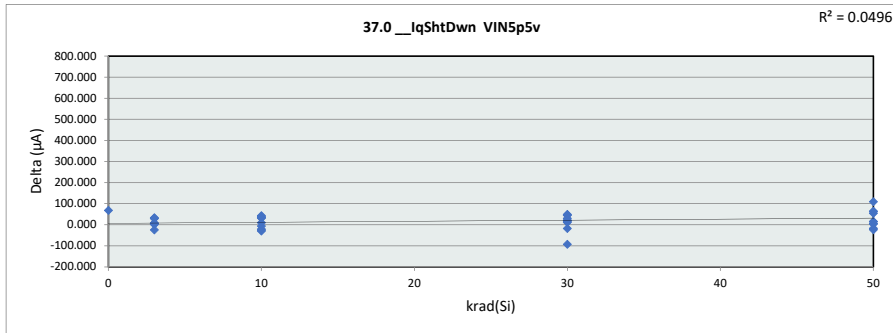
100	251	1822.760	1847.637	24.877
100	31	1769.973	1800.736	30.764
100	286	1715.737	1751.857	36.120
100	305	1798.970	1852.850	53.880
100	295	1787.495	1824.597	37.102
100	205	1768.200	1831.255	63.056
100	212	1728.332	1724.117	-4.214
100	135	1806.566	1827.614	21.049
100	239u	1737.308	1759.521	22.213
100	195u	1716.896	1733.589	16.693
100	262u	1796.277	1829.916	33.639
100	161u	1772.510	1804.396	31.886
100	191u	1769.330	1813.159	43.829
	Max	1890.751	2305.063	559.074
	Average	1770.481	1800.773	30.292
	Min	1672.363	1678.004	-92.985
	Std Dev	39.299	78.334	72.545

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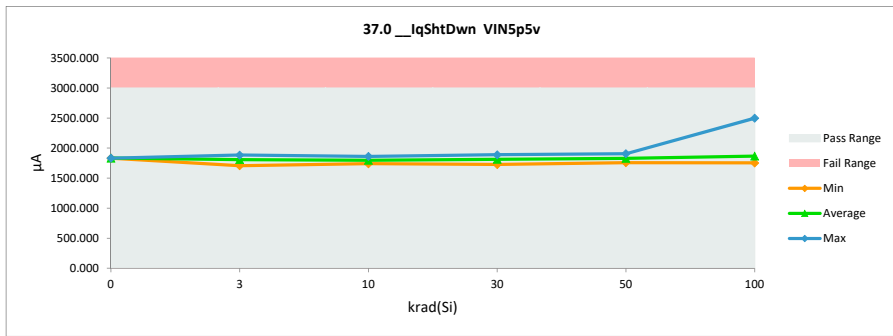
37.0 IqShtDwn VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	µA	µA
Max Limit	3000	3000
Min Limit	0.1	0.1

krad(Si)	Serial #	POL3A PRE HDR	OL3A POST HDR	Delta
0	c1	1763.907	1832.120	68.213
3	79	1781.936	1787.384	5.448
3	150	1875.394	1882.945	7.551
3	159	1765.458	1796.533	31.075
3	351	1820.808	1849.756	28.948
3	146	1823.702	1799.400	-24.302
3	132u	1795.439	1800.236	4.797
3	357u	1820.947	1828.149	7.202
3	276u	1817.840	1818.734	0.894
3	256u	1701.458	1706.969	5.512
3	273u	1770.750	1803.443	32.692
10	149	1719.606	1753.370	33.763
10	122	1818.029	1861.018	42.989
10	182	1759.560	1739.080	-20.480
10	280	1782.440	1820.802	38.362
10	314	1777.463	1787.128	9.665
10	60u	1799.748	1832.638	32.890
10	194u	1755.224	1787.013	31.789
10	97u	1825.059	1818.809	-6.250
10	264u	1793.341	1767.918	-25.423
10	284u	1836.156	1806.512	-29.644
30	9	1843.281	1888.548	45.268
30	190	1804.604	1853.635	49.031
30	157	1843.540	1854.821	11.280
30	65	1756.583	1770.436	13.853
30	102	1770.385	1791.709	21.324
30	64u	1809.694	1839.713	30.019
30	101u	1740.914	1787.223	46.308
30	59u	1826.478	1845.794	19.316
30	25u	1818.937	1725.905	-93.032
30	287u	1789.902	1772.146	-17.756
50	332	1752.299	1756.910	4.611
50	333	1823.590	1799.861	-23.730
50	259	1760.667	1815.261	54.594
50	265	1787.359	1802.535	15.176
50	330	1841.672	1906.104	64.432
50	40u	1762.778	1872.101	109.324
50	335u	1761.184	1764.602	3.418
50	294u	1809.100	1872.101	63.001
50	302u	1846.254	1860.863	14.609
50	331u	1854.183	1836.835	-17.347
100	165	1761.184	1816.424	55.240
100	88	1810.753	1912.387	101.633
100	16	1865.595	1887.890	22.295
100	342	1840.412	1802.073	-38.339
100	166	1923.113	1935.737	12.623
100	244	1777.247	1812.284	35.037
100	33	1819.828	1880.544	60.716
100	77	1861.902	1916.683	54.781
100	27	1822.986	1864.481	41.494
100	255	1821.252	1819.703	-1.548
100	22	1786.005	1765.790	-20.216
100	168	1766.571	1807.006	40.435
100	89	1800.625	1854.581	53.956
100	233	1775.797	2497.710	721.913



37.0 IqShtDwn VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	3000	µA
Min Limit	0.1	µA

krad(Si)	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	1832.120	1706.969	1739.080	1725.905	1756.910	1752.957
Average	1832.120	1807.355	1797.429	1812.993	1828.717	1865.534
Max	1832.120	1882.945	1861.018	1888.548	1906.104	2497.710
UL	3000.000	3000.000	3000.000	3000.000	3000.000	3000.000



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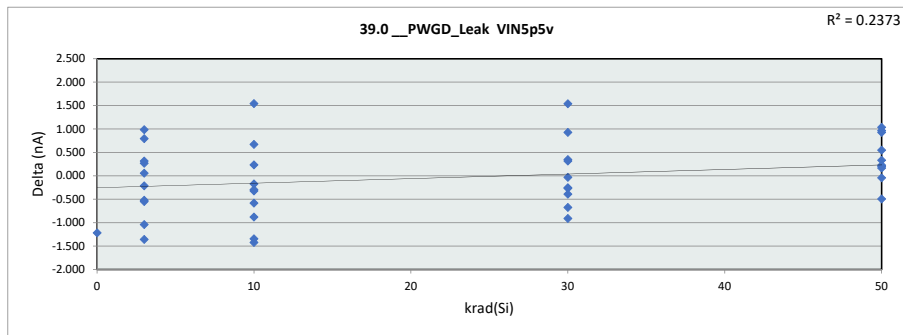
100	251	1852.937	1877.782	24.845
100	31	1801.309	1832.041	30.732
100	286	1745.405	1781.836	36.432
100	305	1827.846	1883.944	56.098
100	295	1817.852	1854.791	36.939
100	205	1797.273	1862.249	64.976
100	212	1758.782	1752.957	-5.825
100	135	1837.074	1858.251	21.177
100	239u	1765.933	1788.361	22.428
100	195u	1748.324	1764.739	16.414
100	262u	1824.771	1859.674	34.903
100	161u	1803.828	1835.488	31.660
100	191u	1798.852	1844.012	45.160
	Max	1923.113	2497.710	721.913
	Average	1800.311	1833.331	33.020
	Min	1701.458	1706.969	-93.032
	Std Dev	39.483	94.825	90.867

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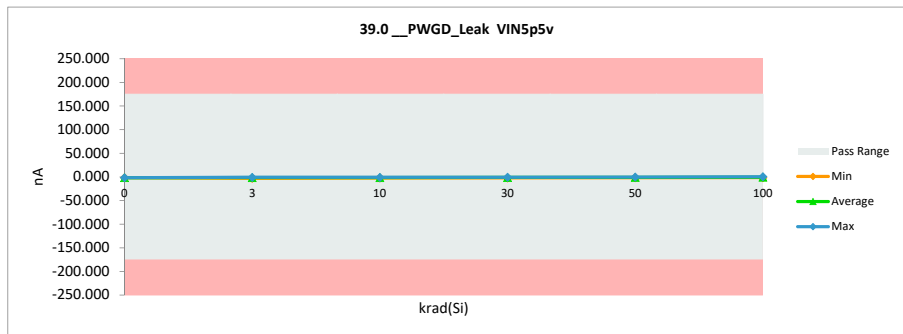
39.0_PWGD_Leak_VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	nA	nA
Max Limit	175	175
Min Limit	-175	-175

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	-0.624	-1.842	-1.219
3	79	-1.890	-2.105	-0.215
3	150	-1.141	-0.871	0.269
3	159	-0.966	-0.910	0.056
3	351	-2.174	-1.380	0.794
3	146	-1.861	-0.876	0.985
3	132u	-0.730	-1.771	-1.042
3	357u	-1.460	-1.980	-0.520
3	276u	-1.238	-0.923	0.315
3	256u	-1.429	-1.977	-0.547
3	273u	-1.703	-3.060	-1.357
10	149	-1.048	-2.471	-1.423
10	122	-1.115	-2.458	-1.343
10	182	-2.043	-2.339	-0.296
10	280	-0.635	-1.515	-0.880
10	314	-1.283	-1.051	0.233
10	60u	-2.504	-0.963	1.541
10	194u	-1.653	-1.825	-0.172
10	97u	-1.612	-0.943	0.669
10	264u	-1.027	-1.348	-0.321
10	284u	-1.308	-1.891	-0.583
30	9	-2.268	-0.729	1.539
30	190	-0.757	-1.021	-0.264
30	157	-1.448	-2.358	-0.911
30	65	-1.123	-1.156	-0.033
30	102	-2.124	-1.807	0.317
30	64u	-1.296	-0.948	0.348
30	101u	-0.821	-1.213	-0.393
30	59u	-1.224	-1.899	-0.675
30	25u	-1.187	-1.441	-0.254
30	287u	-1.618	-0.691	0.927
50	332	-1.755	-1.556	0.199
50	333	-1.084	-0.751	0.333
50	259	-2.036	-0.999	1.037
50	265	-2.365	-1.401	0.964
50	330	-1.636	-1.410	0.226
50	40u	-1.426	-0.498	0.928
50	335u	-1.010	-0.844	0.165
50	294u	-1.046	-0.498	0.548
50	302u	-1.002	-1.494	-0.492
50	331u	-1.596	-1.640	-0.044
100	165	-1.010	0.461	1.471
100	88	-1.406	-0.054	1.352
100	16	-0.529	-0.151	0.378
100	342	-0.776	-0.380	0.396
100	166	-1.842	-0.867	0.975
100	244	-0.326	0.194	0.520
100	33	-1.554	0.110	1.663
100	77	-0.834	-0.388	0.446
100	27	-1.782	0.049	1.831
100	255	-1.091	-1.271	-0.181
100	22	-1.328	-0.362	0.966
100	168	-1.199	-0.454	0.745
100	89	-2.112	-0.929	1.183
100	233	-1.070	-1.500	-0.429



39.0_PWGD_Leak_VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	175	nA
Min Limit	-175	nA

krad(Si)	0	3	10	30	50	100
LL	-175.000	-175.000	-175.000	-175.000	-175.000	-175.000
Min	-1.843	-3.060	-2.471	-2.358	-1.640	-1.680
Average	-1.843	-1.585	-1.680	-1.326	-1.109	-0.632
Max	-1.843	-0.871	-0.943	-0.691	-0.498	0.461
UL	175.000	175.000	175.000	175.000	175.000	175.000



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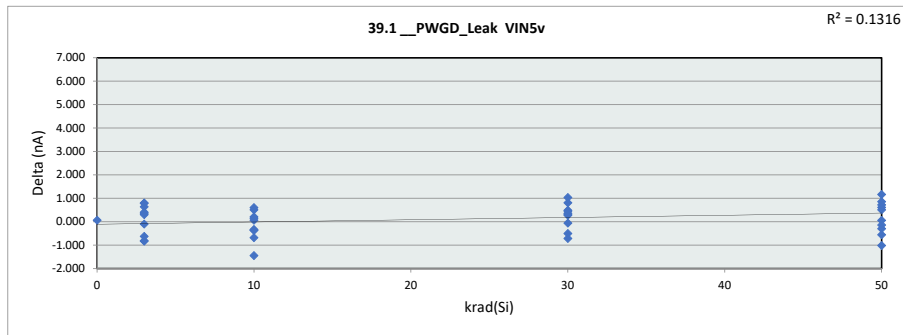
100	251	-1.017	-0.155	0.862
100	31	-1.237	-1.484	-0.247
100	286	-1.612	-1.556	0.056
100	305	-0.620	-0.889	-0.268
100	295	-1.929	-0.688	1.241
100	205	0.203	-0.506	-0.708
100	212	-2.357	-1.680	0.677
100	135	-0.960	-0.873	0.086
100	239u	-2.048	-1.397	0.651
100	195u	-2.372	-1.357	1.016
100	262u	-1.927	-0.657	1.270
100	161u	-0.546	0.239	0.785
100	191u	-2.466	-0.525	1.940
	Max	0.203	0.461	1.940
	Average	-1.383	-1.117	0.266
	Min	-2.504	-3.060	-1.423
	Std Dev	0.569	0.724	0.815

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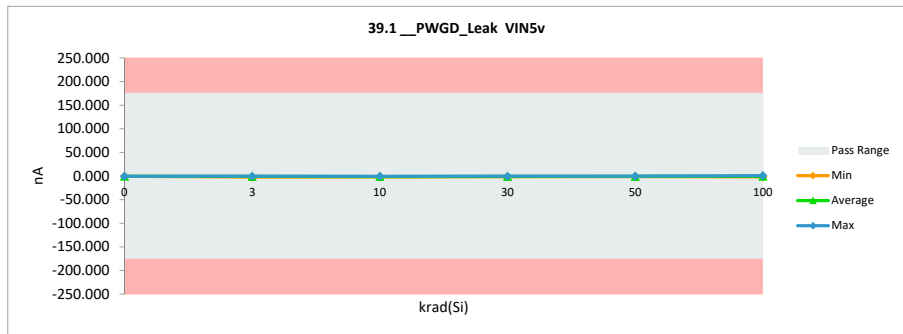
39.1 PWGD Leak VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	nA	nA
Max Limit	175	175
Min Limit	-175	-175

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	-0.629	-0.563	0.066
3	79	-1.028	-1.848	-0.820
3	150	-1.283	-0.881	0.402
3	159	-1.072	-0.709	0.363
3	351	-1.570	-0.932	0.638
3	146	-1.579	-0.787	0.792
3	132u	-0.882	-0.982	-0.100
3	357u	-0.872	-1.699	-0.826
3	276u	-1.238	-0.442	0.796
3	256u	-1.484	-1.182	0.302
3	273u	-1.503	-2.128	-0.625
10	149	-0.431	-1.878	-1.447
10	122	-1.689	-2.055	-0.366
10	182	-1.330	-1.269	0.061
10	280	-0.589	-1.270	-0.681
10	314	-0.713	-1.075	-0.361
10	60u	-1.787	-1.582	0.206
10	194u	-0.700	-0.558	0.143
10	97u	-1.528	-1.020	0.508
10	264u	-1.109	-0.509	0.600
10	284u	-0.308	-0.638	-0.330
30	9	-1.533	-1.050	0.483
30	190	-0.393	-0.451	-0.057
30	157	-1.190	-1.693	-0.503
30	65	-1.315	-0.864	0.451
30	102	-1.870	-0.836	1.034
30	64u	-0.740	-0.381	0.359
30	101u	-0.684	-0.410	0.275
30	59u	-1.283	-0.966	0.317
30	25u	-0.707	-1.421	-0.714
30	287u	-1.539	-0.732	0.807
50	332	-0.865	-1.423	-0.558
50	333	-1.070	-0.351	0.719
50	259	-1.733	-0.573	1.160
50	265	-1.527	-1.473	0.054
50	330	-1.446	-0.591	0.854
50	40u	-1.004	-0.392	0.612
50	335u	-0.324	-0.625	-0.301
50	294u	-0.250	-0.392	-0.142
50	302u	-0.233	-1.249	-1.016
50	331u	-0.747	-0.242	0.505
100	165	-0.324	0.235	0.559
100	88	-1.731	-0.217	1.514
100	16	-0.382	0.856	1.238
100	342	-0.828	-0.924	-0.096
100	166	-1.846	0.044	1.890
100	244	-0.428	0.515	0.943
100	33	0.192	0.040	-0.151
100	77	-0.914	-0.626	0.288
100	27	-1.995	0.265	2.260
100	255	-1.369	-0.465	0.904
100	22	-1.066	-1.174	-0.108
100	168	-0.811	-0.586	0.225
100	89	-1.905	-0.952	0.953
100	233	-0.827	-1.912	-1.085



39.1 PWGD Leak VIN5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	175	nA
Min Limit	-175	nA

krad(Si)	0	3	10	30	50	100
LL	-175.000	-175.000	-175.000	-175.000	-175.000	-175.000
Min	-0.563	-2.128	-2.055	-1.693	-1.473	-1.912
Average	-0.563	-1.159	-1.185	-0.880	-0.731	-0.421
Max	-0.563	-0.442	-0.509	-0.381	-0.242	0.856
UL	175.000	175.000	175.000	175.000	175.000	175.000



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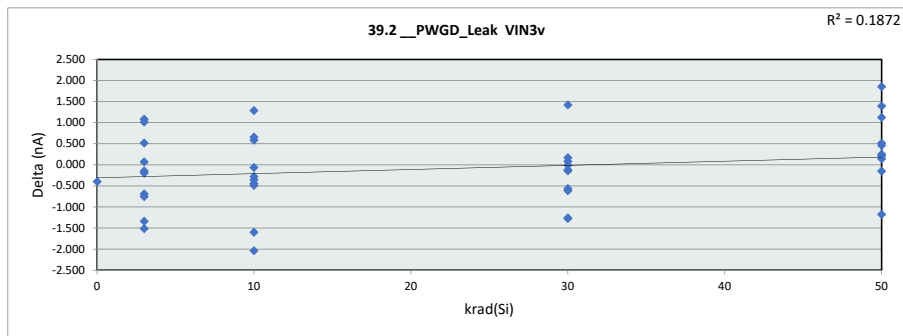
100	251	-6.987	-0.401	6.586
100	31	-1.340	-1.415	-0.076
100	286	-0.545	-0.930	-0.385
100	305	-0.500	-0.521	-0.021
100	295	-1.344	-0.887	0.457
100	205	-0.255	0.404	0.659
100	212	-1.891	-1.153	0.739
100	135	-0.204	-0.009	0.195
100	239u	-0.978	-1.323	-0.345
100	195u	-2.202	-0.601	1.601
100	262u	-1.788	-0.335	1.454
100	161u	-0.643	0.601	1.244
100	191u	-2.194	0.103	2.297
	Max	0.192	0.856	6.586
	Average	-1.160	-0.757	0.403
	Min	-6.987	-2.128	-1.447
	Std Dev	0.908	0.646	1.075

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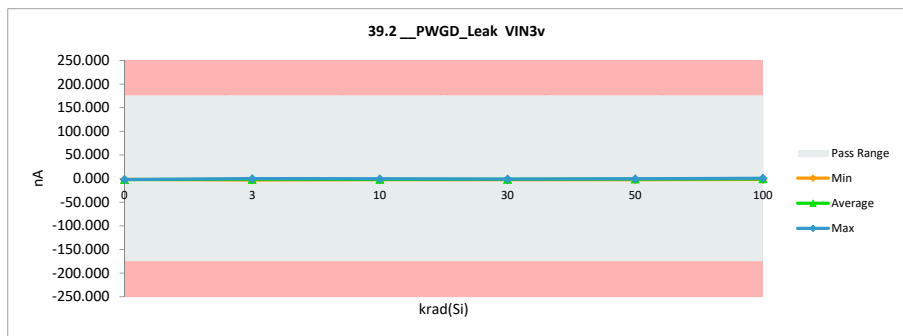
39.2_PWGD_Leak_VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	nA	nA
Max Limit	175	175
Min Limit	-175	-175

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	-1.615	-2.014	-0.399
3	79	-2.109	-1.592	0.517
3	150	-0.680	-0.876	-0.196
3	159	-0.631	-1.322	-0.691
3	351	-2.234	-1.150	1.084
3	146	-1.525	-1.456	0.068
3	132u	-0.470	-1.808	-1.338
3	357u	-1.827	-1.975	-0.148
3	276u	-1.310	-0.295	1.016
3	256u	-1.067	-1.822	-0.755
3	273u	-1.496	-3.010	-1.513
10	149	-0.278	-2.316	-2.039
10	122	-1.011	-2.613	-1.602
10	182	-1.850	-2.292	-0.442
10	280	-0.643	-1.000	-0.357
10	314	-1.648	-1.061	0.587
10	60u	-2.620	-1.333	1.287
10	194u	-1.870	-2.151	-0.281
10	97u	-1.229	-0.571	0.659
10	264u	-1.293	-1.356	-0.063
10	284u	-1.786	-2.273	-0.487
30	9	-2.477	-1.057	1.420
30	190	-0.394	-1.653	-1.259
30	157	-1.314	-2.589	-1.275
30	65	-1.345	-1.467	-0.122
30	102	-2.219	-2.231	-0.012
30	64u	-1.058	-1.674	-0.615
30	101u	-1.273	-1.418	-0.145
30	59u	-1.535	-2.099	-0.563
30	25u	-1.304	-1.223	0.081
30	287u	-1.200	-1.031	0.169
50	332	-2.242	-1.117	1.125
50	333	-1.082	-0.872	0.210
50	259	-2.544	-1.151	1.393
50	265	-2.741	-0.887	1.854
50	330	-1.260	-2.436	-1.177
50	40u	-1.055	-0.593	0.462
50	335u	-1.282	-1.029	0.253
50	294u	-1.107	-0.593	0.514
50	302u	-1.161	-1.313	-0.151
50	331u	-1.635	-1.494	0.141
100	165	-1.282	0.403	1.685
100	88	-1.119	0.058	1.177
100	16	-0.338	-0.502	-0.164
100	342	-0.650	-0.068	0.582
100	166	-1.557	-1.170	0.387
100	244	-0.510	0.026	0.536
100	33	-1.235	0.657	1.892
100	77	-0.405	-0.172	0.234
100	27	-1.604	-0.138	1.466
100	255	-0.713	-1.564	-0.850
100	22	-0.976	-0.033	0.943
100	168	-1.529	-0.131	1.398
100	89	-1.686	-0.333	1.353
100	233	-1.318	-1.418	-0.100



39.2_PWGD_Leak_VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	175	nA
Min Limit	-175	nA

krad(Si)	0	3	10	30	50	100
LL	-175.000	-175.000	-175.000	-175.000	-175.000	-175.000
Min	-2.015	-3.010	-2.613	-2.589	-2.436	-1.564
Average	-2.015	-1.531	-1.697	-1.644	-1.149	-0.621
Max	-2.015	-0.295	-0.571	-1.031	-0.593	0.657
UL	175.000	175.000	175.000	175.000	175.000	175.000



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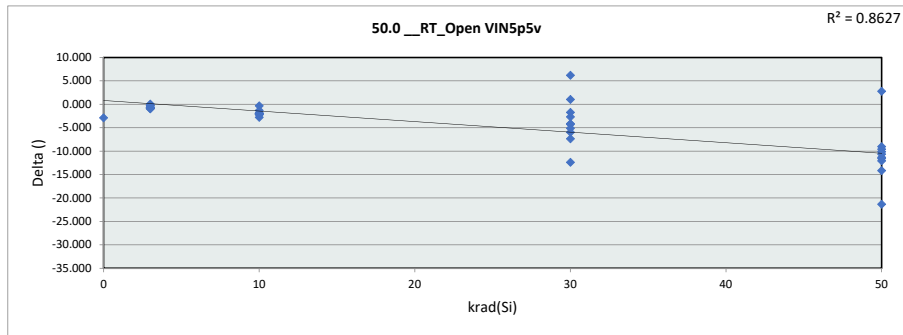
100	251	-1.315	-1.069	0.245
100	31	-1.137	-1.172	-0.035
100	286	-1.784	-1.401	0.383
100	305	-0.424	-1.108	-0.685
100	295	-2.290	-0.249	2.041
100	205	0.145	-0.854	-0.999
100	212	-1.701	-1.007	0.694
100	135	-0.953	-0.738	0.215
100	239u	-2.535	-1.429	1.105
100	195u	-2.521	-1.343	1.178
100	262u	-1.771	-0.623	1.149
100	161u	-0.968	-0.554	0.413
100	191u	-2.079	-0.823	1.257
	Max	0.145	0.657	2.041
	Average	-1.378	-1.161	0.216
	Min	-2.741	-3.010	-2.039
	Std Dev	0.639	0.764	0.925

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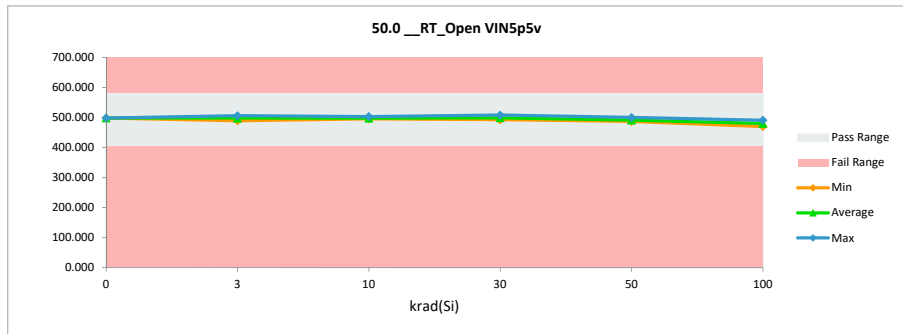
50.0_RT_Open VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	580	580
Min Limit	405	405

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	501.077	498.188	-2.889
3	79	499.200	498.323	-0.877
3	150	495.227	494.373	-0.854
3	159	493.231	492.960	-0.272
3	351	505.615	504.648	-0.967
3	146	492.638	492.689	0.051
3	132u	505.660	504.874	-0.786
3	357u	494.467	493.842	-0.625
3	276u	502.004	501.704	-0.300
3	256u	489.743	489.091	-0.652
3	273u	506.509	505.797	-0.712
10	149	495.763	495.418	-0.345
10	122	498.384	496.164	-2.220
10	182	497.978	495.923	-2.055
10	280	499.056	496.876	-2.180
10	314	499.163	497.828	-1.335
10	60u	504.760	502.844	-1.916
10	194u	501.169	498.377	-2.792
10	97u	499.571	497.680	-1.891
10	264u	499.538	497.458	-2.081
10	284u	499.349	497.426	-1.923
30	9	513.257	508.160	-5.097
30	190	497.142	492.992	-4.150
30	157	501.366	497.103	-4.263
30	65	502.862	496.888	-5.974
30	102	500.176	497.496	-2.681
30	64u	505.672	498.292	-7.380
30	101u	501.806	500.074	-1.732
30	59u	498.529	504.738	6.209
30	25u	500.809	501.831	1.023
30	287u	505.114	492.711	-12.403
50	332	499.065	486.971	-12.093
50	333	497.274	500.040	2.766
50	259	503.035	488.862	-14.174
50	265	502.232	490.892	-11.340
50	330	504.289	495.248	-9.040
50	40u	498.751	488.119	-10.632
50	335u	510.608	489.264	-21.345
50	294u	498.269	488.119	-10.150
50	302u	499.815	488.234	-11.581
50	331u	506.154	496.583	-9.571
100	165	510.608	478.567	-32.042
100	88	501.843	483.586	-18.257
100	16	504.587	478.017	-26.571
100	342	500.493	484.372	-16.121
100	166	513.477	491.030	-22.447
100	244	504.747	480.653	-24.094
100	33	503.216	482.248	-20.968
100	77	507.789	489.875	-17.913
100	27	506.539	484.840	-21.698
100	255	502.388	477.614	-24.773
100	22	504.906	484.139	-20.767
100	168	505.049	482.982	-22.068
100	89	498.582	477.805	-20.778
100	233	508.654	481.979	-26.675



50.0_RT_Open VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	580	
Min Limit	405	

krad(Si)	0	3	10	30	50	100
LL	405.000	405.000	405.000	405.000	405.000	405.000
Min	498.188	489.091	495.418	492.711	486.971	470.270
Average	498.188	497.830	497.599	499.028	491.233	480.291
Max	498.188	505.797	502.844	508.160	500.040	491.030
UL	580.000	580.000	580.000	580.000	580.000	580.000



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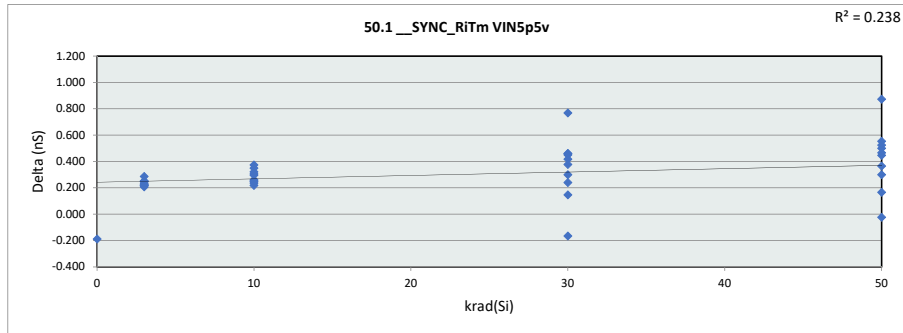
100	251	497.172	473.428	-23.744
100	31	491.468	470.270	-21.198
100	286	500.590	480.131	-20.458
100	305	500.351	480.332	-20.018
100	295	493.443	476.520	-16.923
100	205	505.594	481.721	-23.872
100	212	497.805	476.228	-21.577
100	135	502.857	483.632	-19.224
100	239u	500.767	480.382	-20.385
100	195u	498.689	477.480	-21.208
100	262u	495.643	475.062	-20.581
100	161u	501.125	478.105	-23.020
100	191u	501.269	476.849	-24.419
	Max	513.477	508.160	6.209
	Average	501.264	490.043	-11.221
	Min	489.743	470.270	-32.042
	Std Dev	4.805	9.416	9.897

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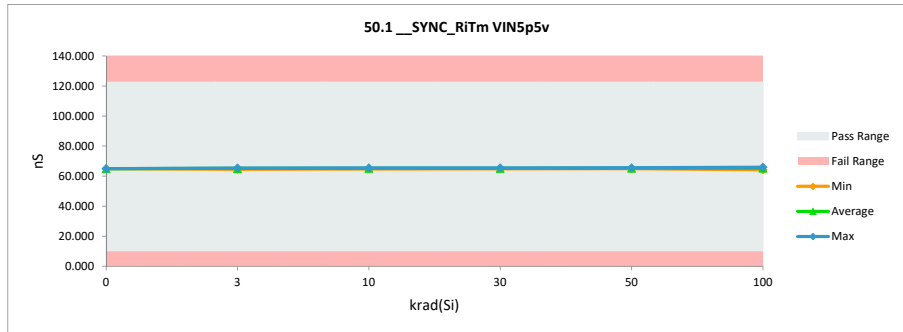
50.1 __SYNC_RiTm VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	nS	nS
Max Limit	122.5	122.5
Min Limit	10	10

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	65.134	64.945	-0.189
3	79	64.966	65.252	0.286
3	150	64.822	65.029	0.207
3	159	64.773	65.026	0.253
3	351	64.940	65.189	0.250
3	146	64.926	65.175	0.248
3	132u	64.275	64.493	0.219
3	357u	65.112	65.330	0.218
3	276u	65.171	65.391	0.220
3	256u	65.104	65.329	0.225
3	273u	64.766	65.002	0.236
10	149	65.131	65.504	0.373
10	122	65.014	65.260	0.246
10	182	64.515	64.820	0.306
10	280	65.005	65.224	0.219
10	314	64.992	65.253	0.261
10	60u	64.496	64.732	0.236
10	194u	65.074	65.424	0.349
10	97u	65.080	65.376	0.296
10	264u	65.019	65.271	0.253
10	284u	64.433	64.754	0.321
30	9	64.412	64.789	0.377
30	190	64.956	65.415	0.459
30	157	65.017	65.467	0.451
30	65	64.951	65.251	0.299
30	102	64.748	64.988	0.240
30	64u	64.581	64.998	0.417
30	101u	64.572	65.340	0.768
30	59u	64.806	65.267	0.461
30	25u	65.025	64.860	-0.165
30	287u	64.808	64.954	0.147
50	332	65.237	65.213	-0.024
50	333	64.061	64.934	0.873
50	259	64.714	65.215	0.500
50	265	64.977	65.424	0.447
50	330	65.075	65.541	0.466
50	40u	65.305	65.472	0.166
50	335u	64.838	65.391	0.553
50	294u	64.947	65.471	0.524
50	302u	65.040	65.405	0.366
50	331u	64.833	65.133	0.300
100	165	64.838	65.122	0.284
100	88	64.515	65.251	0.736
100	16	64.662	65.613	0.951
100	342	65.074	65.044	-0.030
100	166	63.864	64.266	0.402
100	244	64.720	65.352	0.632
100	33	64.960	65.507	0.547
100	77	65.016	65.442	0.426
100	27	64.674	65.237	0.563
100	255	64.948	65.552	0.604
100	22	65.130	65.618	0.488
100	168	64.645	65.131	0.486
100	89	64.583	65.042	0.460
100	233	64.633	64.600	-0.034



50.1 __SYNC_RiTm VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	122.5	nS
Min Limit	10	nS

krad(Si)	0	3	10	30	50	100
LL	10.000	10.000	10.000	10.000	10.000	10.000
Min	64.945	64.494	64.732	64.789	64.934	64.266
Average	64.945	65.122	65.162	65.133	65.320	65.273
Max	64.945	65.391	65.504	65.468	65.541	65.949
UL	122.500	122.500	122.500	122.500	122.500	122.500



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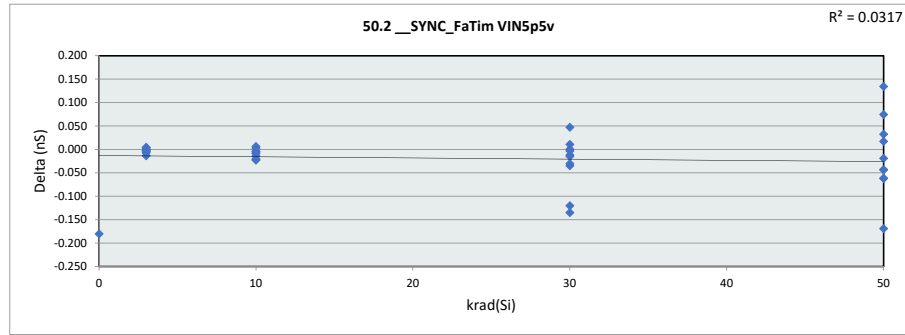
100	251	65.381	65.949	0.568
100	31	65.017	65.668	0.651
100	286	64.799	65.342	0.542
100	305	64.700	65.314	0.614
100	295	65.091	65.667	0.576
100	205	64.576	65.126	0.550
100	212	64.776	65.357	0.581
100	135	64.657	65.125	0.467
100	239u	64.600	65.078	0.479
100	195u	64.952	65.364	0.412
100	262u	64.804	65.105	0.301
100	161u	64.954	65.346	0.392
100	191u	64.652	65.159	0.507
	Max	65.381	65.949	0.951
	Average	64.836	65.216	0.380
	Min	63.864	64.266	-0.189
	Std Dev	0.275	0.289	0.214

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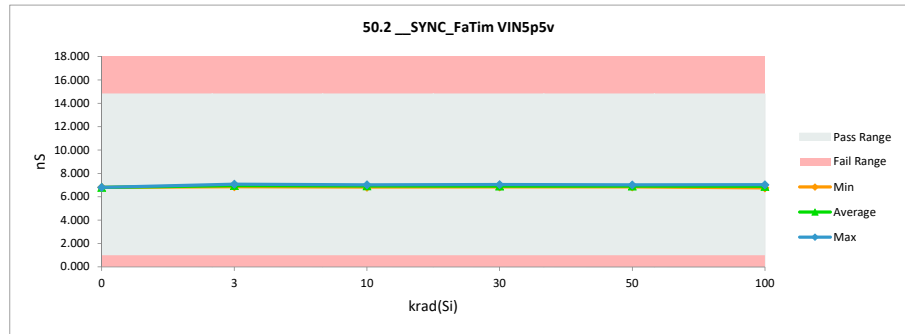
50.2_SYNC_FaTim VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	nS	nS
Max Limit	14.8	14.8
Min Limit	1	1

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	6.982	6.802	-0.180
3	79	6.924	6.924	-0.001
3	150	6.874	6.871	-0.003
3	159	7.017	7.019	0.001
3	351	6.899	6.903	0.003
3	146	6.969	6.961	-0.007
3	132u	7.064	7.068	0.004
3	357u	6.968	6.967	-0.001
3	276u	6.881	6.876	-0.005
3	256u	7.095	7.081	-0.014
3	273u	6.859	6.856	-0.003
10	149	6.933	6.939	0.006
10	122	6.892	6.883	-0.009
10	182	6.964	6.960	-0.004
10	280	6.884	6.877	-0.007
10	314	7.035	7.012	-0.023
10	60u	7.016	7.019	0.003
10	194u	6.845	6.825	-0.020
10	97u	6.921	6.906	-0.014
10	264u	6.988	6.965	-0.022
10	284u	6.863	6.859	-0.004
30	9	7.042	7.043	0.001
30	190	6.852	6.849	-0.003
30	157	6.990	6.959	-0.030
30	65	6.879	6.865	-0.015
30	102	7.013	6.979	-0.035
30	64u	6.875	6.863	-0.012
30	101u	6.966	6.845	-0.120
30	59u	6.991	6.856	-0.135
30	25u	6.871	6.918	0.047
30	287u	6.908	6.918	0.010
50	332	6.946	6.963	0.017
50	333	7.056	7.013	-0.043
50	259	6.847	6.982	0.134
50	265	7.027	6.858	-0.169
50	330	6.873	6.905	0.032
50	40u	6.913	6.851	-0.062
50	335u	6.911	6.985	0.074
50	294u	6.870	6.851	-0.019
50	302u	6.959	6.897	-0.062
50	331u	6.888	6.845	-0.043
100	165	6.911	6.825	-0.086
100	88	6.870	6.965	0.096
100	16	7.007	6.938	-0.069
100	342	6.994	6.794	-0.200
100	166	7.060	7.009	-0.051
100	244	6.867	6.829	-0.038
100	33	6.891	6.859	-0.032
100	77	7.018	6.985	-0.033
100	27	6.879	6.867	-0.012
100	255	6.916	6.876	-0.039
100	22	6.875	6.822	-0.053
100	168	6.980	6.938	-0.042
100	89	6.960	6.933	-0.027
100	233	6.860	7.021	0.160



50.2_SYNC_FaTim VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	14.8	nS
Min Limit	1	nS

krad(Si)	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	6.802	6.856	6.825	6.845	6.845	6.766
Average	6.802	6.952	6.925	6.909	6.915	6.893
Max	6.802	7.081	7.019	7.043	7.013	7.032
UL	14.800	14.800	14.800	14.800	14.800	14.800



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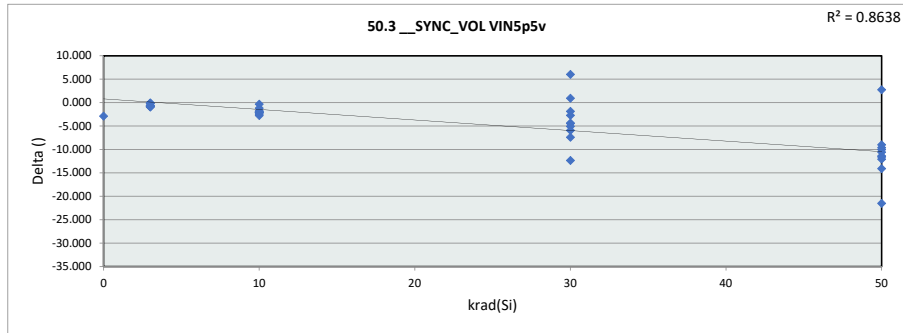
100	251	6.922	6.886	-0.036
100	31	6.971	6.959	-0.013
100	286	6.855	6.817	-0.038
100	305	7.044	7.014	-0.030
100	295	7.065	7.031	-0.034
100	205	6.860	6.814	-0.046
100	212	6.905	6.873	-0.032
100	135	6.907	6.878	-0.029
100	239u	6.856	6.766	-0.090
100	195u	6.975	6.886	-0.088
100	262u	6.970	6.884	-0.086
100	161u	6.898	6.824	-0.073
100	191u	6.875	6.803	-0.072
	Max	7.095	7.081	0.160
	Average	6.937	6.911	-0.027
	Min	6.845	6.766	-0.200
	Std Dev	0.068	0.074	0.059

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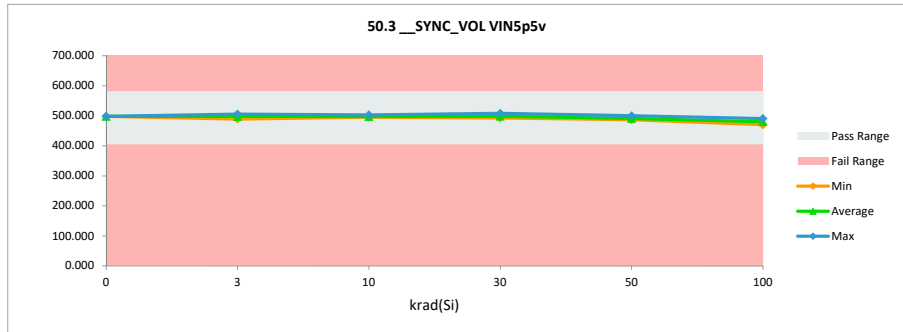
50.3_SYNC_VOL VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	580	580
Min Limit	405	405

krad(Si)	Serial #	POL3A PRE HDR	OL3A POST HDR	Delta
0	c1	501.124	498.215	-2.908
3	79	499.403	498.465	-0.938
3	150	495.262	494.574	-0.688
3	159	493.288	493.113	-0.175
3	351	505.569	504.707	-0.862
3	146	492.778	492.726	-0.052
3	132u	505.645	504.851	-0.795
3	357u	494.588	493.870	-0.717
3	276u	501.992	501.813	-0.178
3	256u	489.823	489.228	-0.595
3	273u	506.591	505.715	-0.876
10	149	495.844	495.527	-0.317
10	122	498.522	496.078	-2.443
10	182	498.046	495.997	-2.049
10	280	499.157	497.000	-2.157
10	314	499.172	498.001	-1.171
10	60u	504.750	502.866	-1.884
10	194u	501.271	498.523	-2.748
10	97u	499.672	497.859	-1.813
10	264u	499.690	497.521	-2.169
10	284u	499.492	497.424	-2.068
30	9	513.232	508.158	-5.074
30	190	497.444	493.003	-4.441
30	157	501.490	497.089	-4.401
30	65	502.930	496.987	-5.942
30	102	500.214	497.487	-2.727
30	64u	505.798	498.392	-7.406
30	101u	501.916	500.051	-1.865
30	59u	498.648	504.668	6.021
30	25u	500.873	501.797	0.925
30	287u	505.095	492.743	-12.352
50	332	499.169	487.099	-12.070
50	333	497.312	500.052	2.740
50	259	503.016	488.916	-14.100
50	265	502.264	490.883	-11.382
50	330	504.394	495.381	-9.013
50	40u	498.814	488.245	-10.569
50	335u	510.671	489.150	-21.522
50	294u	498.274	488.245	-10.029
50	302u	499.820	488.210	-11.611
50	331u	506.215	496.590	-9.624
100	165	510.671	478.591	-32.080
100	88	501.955	483.623	-18.331
100	16	504.496	478.044	-26.452
100	342	500.572	484.297	-16.275
100	166	513.522	490.969	-22.553
100	244	504.681	480.604	-24.076
100	33	503.231	482.192	-21.039
100	77	507.832	489.871	-17.961
100	27	506.590	484.840	-21.750
100	255	502.328	477.653	-24.675
100	22	505.011	484.172	-20.839
100	168	505.138	483.059	-22.079
100	89	498.614	477.818	-20.796
100	233	508.704	482.018	-26.685



50.3_SYNC_VOL VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	580	
Min Limit	405	

krad(Si)	0	3	10	30	50	100
LL	405.000	405.000	405.000	405.000	405.000	405.000
Min	498.215	489.228	495.527	492.743	487.099	470.421
Average	498.215	497.906	497.680	499.038	491.277	480.323
Max	498.215	505.715	502.866	508.158	500.052	490.969
UL	580.000	580.000	580.000	580.000	580.000	580.000



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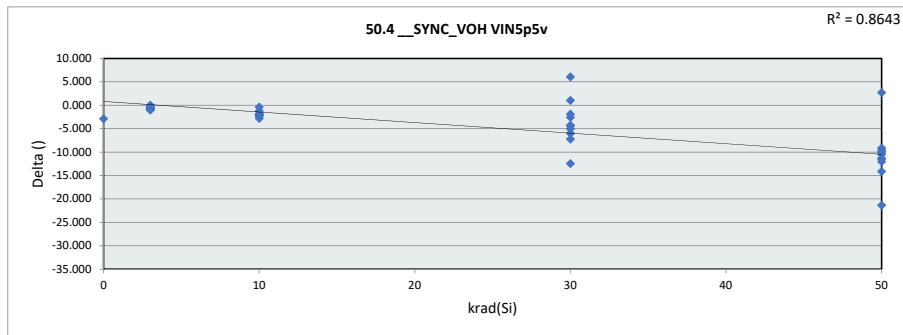
100	251	497.338	473.473	-23.865
100	31	491.593	470.421	-21.172
100	286	500.663	480.186	-20.477
100	305	500.439	480.337	-20.102
100	295	493.453	476.594	-16.859
100	205	505.621	481.769	-23.852
100	212	497.828	476.309	-21.519
100	135	502.949	483.717	-19.232
100	239u	500.881	480.370	-20.511
100	195u	498.856	477.578	-21.279
100	262u	495.539	475.166	-20.372
100	161u	501.211	478.233	-22.977
100	191u	501.261	476.812	-24.449
	Max	513.522	508.158	6.021
	Average	501.327	490.087	-11.240
	Min	489.823	470.421	-32.080
	Std Dev	4.786	9.411	9.892

HDR Report

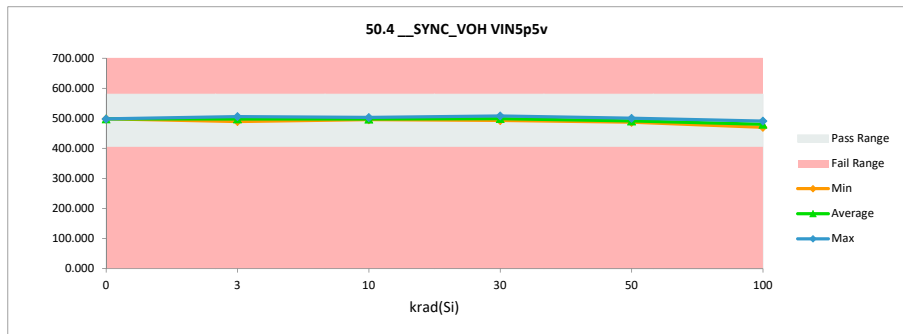
5962R2021001VSC (TPS7H4002-SP)

50.4 __SYNC_VOH VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	580	580
Min Limit	405	405

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	501.085	498.190	-2.895
3	79	499.255	498.306	-0.949
3	150	495.365	494.496	-0.869
3	159	493.316	493.052	-0.263
3	351	505.658	504.640	-1.017
3	146	492.725	492.748	0.023
3	132u	505.617	504.950	-0.667
3	357u	494.629	494.040	-0.589
3	276u	502.062	501.787	-0.275
3	256u	489.919	489.225	-0.695
3	273u	506.493	505.872	-0.620
10	149	495.888	495.475	-0.412
10	122	498.545	496.213	-2.333
10	182	498.032	495.969	-2.063
10	280	499.072	496.954	-2.118
10	314	499.149	497.936	-1.213
10	60u	504.765	502.798	-1.966
10	194u	501.210	498.372	-2.837
10	97u	499.592	497.777	-1.815
10	264u	499.530	497.485	-2.045
10	284u	499.497	497.456	-2.040
30	9	513.235	508.203	-5.032
30	190	497.261	492.998	-4.263
30	157	501.507	497.096	-4.411
30	65	502.905	496.893	-6.011
30	102	500.176	497.604	-2.572
30	64u	505.714	498.470	-7.244
30	101u	501.876	499.968	-1.908
30	59u	498.644	504.684	6.040
30	25u	500.821	501.844	1.023
30	287u	505.154	492.712	-12.442
50	332	499.040	486.982	-12.059
50	333	497.388	500.088	2.700
50	259	502.992	488.862	-14.130
50	265	502.266	490.930	-11.336
50	330	504.457	495.313	-9.144
50	40u	498.743	488.260	-10.483
50	335u	510.638	489.294	-21.345
50	294u	498.267	488.260	-10.007
50	302u	499.679	488.214	-11.465
50	331u	506.195	496.553	-9.643
100	165	510.638	478.609	-32.029
100	88	501.925	483.523	-18.402
100	16	504.556	478.038	-26.519
100	342	500.582	484.393	-16.190
100	166	513.544	491.132	-22.412
100	244	504.743	480.668	-24.076
100	33	503.297	482.295	-21.003
100	77	507.732	489.870	-17.862
100	27	506.582	484.939	-21.643
100	255	502.369	477.719	-24.650
100	22	504.902	484.231	-20.671
100	168	505.040	483.022	-22.018
100	89	498.620	477.886	-20.733
100	233	508.710	481.974	-26.735



50.4 __SYNC_VOH VIN5p5v						
Test Site	DAL-FL					
Tester	ETS36409					
Test Number	EB386805					
Max Limit	580					
Min Limit	405					
krad(Si)	0	3	10	30	50	100
LL	405.000	405.000	405.000	405.000	405.000	405.000
Min	498.190	489.225	495.475	492.712	486.982	470.304
Average	498.190	497.912	497.644	499.047	491.276	480.336
Max	498.190	505.872	502.799	508.203	500.088	491.132
UL	580.000	580.000	580.000	580.000	580.000	580.000



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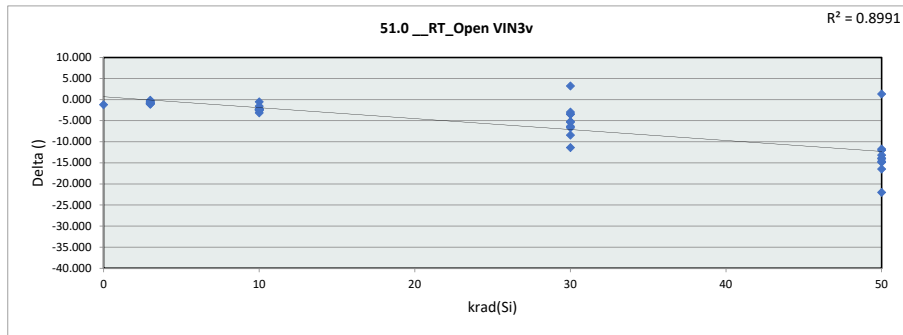
100	251	497.283	473.497	-23.786
100	31	491.598	470.303	-21.295
100	286	500.641	480.119	-20.522
100	305	500.486	480.373	-20.113
100	295	493.517	476.567	-16.949
100	205	505.555	481.802	-23.754
100	212	497.932	476.230	-21.703
100	135	502.914	483.659	-19.256
100	239u	500.869	480.413	-20.456
100	195u	498.813	477.511	-21.302
100	262u	495.745	475.137	-20.608
100	161u	501.248	478.214	-23.035
100	191u	501.240	476.938	-24.302
	Max	513.544	508.203	6.040
	Average	501.315	490.089	-11.227
	Min	489.919	470.303	-32.029
	Std Dev	4.775	9.411	9.888

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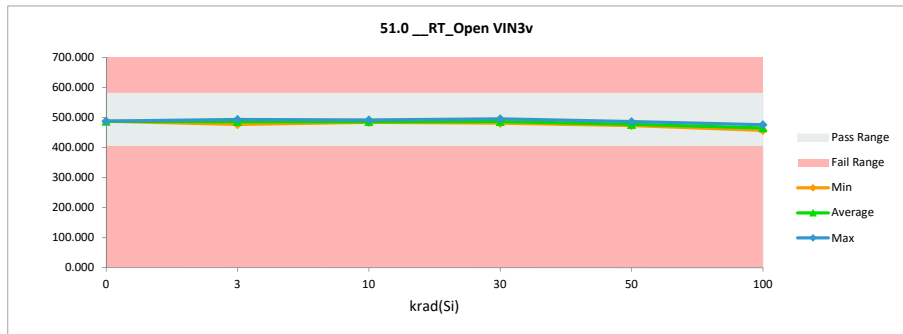
51.0_RT_Open VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	580	580
Min Limit	405	405

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	488.967	487.759	-1.208
3	79	485.811	484.773	-1.037
3	150	481.884	480.925	-0.959
3	159	482.284	481.911	-0.373
3	351	493.624	492.535	-1.089
3	146	481.487	481.323	-0.164
3	132u	494.382	493.498	-0.884
3	357u	484.796	484.018	-0.778
3	276u	490.179	489.677	-0.502
3	256u	477.488	476.715	-0.773
3	273u	493.942	493.109	-0.833
10	149	484.323	483.798	-0.524
10	122	488.868	486.277	-2.591
10	182	486.578	484.352	-2.227
10	280	487.628	485.084	-2.544
10	314	487.871	486.302	-1.568
10	60u	494.106	491.878	-2.228
10	194u	489.073	485.912	-3.161
10	97u	488.578	486.312	-2.266
10	264u	487.822	485.414	-2.407
10	284u	486.865	484.546	-2.319
30	9	502.101	495.753	-6.348
30	190	485.993	480.785	-5.209
30	157	490.178	484.845	-5.334
30	65	491.987	485.309	-6.678
30	102	489.156	485.760	-3.397
30	64u	493.989	485.570	-8.419
30	101u	488.422	484.944	-3.478
30	59u	486.949	490.170	3.221
30	25u	491.534	488.564	-2.971
30	287u	492.606	481.228	-11.378
50	332	487.810	472.949	-14.861
50	333	484.800	486.142	1.343
50	259	491.442	474.969	-16.473
50	265	490.380	475.739	-14.641
50	330	493.173	481.168	-12.005
50	40u	487.635	473.736	-13.899
50	335u	497.385	475.371	-22.013
50	294u	487.768	473.736	-14.032
50	302u	486.049	472.882	-13.167
50	331u	495.647	483.915	-11.732
100	165	497.385	463.070	-34.315
100	88	489.838	468.630	-21.208
100	16	493.593	461.759	-31.834
100	342	487.480	469.887	-17.592
100	166	501.591	475.939	-25.653
100	244	491.972	464.160	-27.812
100	33	491.509	466.280	-25.229
100	77	494.854	473.165	-21.689
100	27	493.175	467.502	-25.673
100	255	490.059	461.659	-28.400
100	22	493.276	469.174	-24.102
100	168	492.243	467.393	-24.850
100	89	489.359	464.229	-25.130
100	233	497.355	465.448	-31.907



51.0_RT_Open VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	580	
Min Limit	405	

krad(Si)	0	3	10	30	50	100
LL	405.000	405.000	405.000	405.000	405.000	405.000
Min	487.759	476.715	483.798	480.785	472.882	457.211
Average	487.759	485.848	485.988	486.293	477.061	465.153
Max	487.759	493.498	491.878	495.753	486.143	475.939
UL	580.000	580.000	580.000	580.000	580.000	580.000



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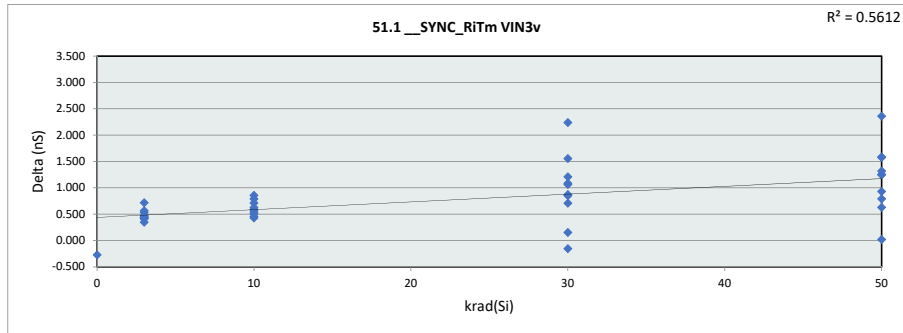
100	251	486.760	459.015	-27.745
100	31	480.914	457.211	-23.704
100	286	489.492	465.605	-23.887
100	305	488.898	465.345	-23.553
100	295	481.148	460.432	-20.716
100	205	492.763	466.318	-26.445
100	212	486.749	461.579	-25.169
100	135	490.042	466.679	-23.363
100	239u	490.086	467.369	-22.717
100	195u	487.221	463.594	-23.627
100	262u	485.986	461.846	-24.140
100	161u	489.629	463.982	-25.647
100	191u	489.936	461.848	-28.087
	Max	502.101	495.753	3.221
	Average	489.631	476.453	-13.178
	Min	477.488	457.211	-34.315
	Std Dev	4.608	10.602	11.159

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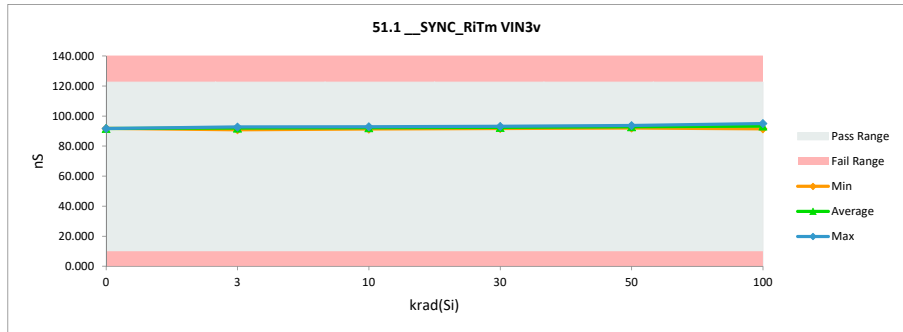
51.1 __SYNC_RiTm VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	nS	nS
Max Limit	122.5	122.5
Min Limit	10	10

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	91.980	91.707	-0.272
3	79	91.668	92.091	0.423
3	150	91.618	92.096	0.478
3	159	90.728	91.447	0.719
3	351	91.553	91.965	0.412
3	146	91.393	91.926	0.533
3	132u	90.412	90.859	0.446
3	357u	92.030	92.376	0.346
3	276u	92.099	92.664	0.565
3	256u	91.535	91.966	0.431
3	273u	91.532	91.976	0.444
10	149	91.868	92.659	0.791
10	122	91.883	92.511	0.628
10	182	90.967	91.556	0.589
10	280	92.094	92.672	0.578
10	314	91.324	91.863	0.538
10	60u	90.821	91.328	0.507
10	194u	92.123	92.834	0.711
10	97u	91.940	92.396	0.455
10	264u	91.820	92.249	0.429
10	284u	90.831	91.690	0.859
30	9	90.845	91.696	0.851
30	190	91.845	92.910	1.065
30	157	91.690	92.900	1.210
30	65	91.715	92.587	0.872
30	102	90.984	91.693	0.709
30	64u	91.196	92.281	1.086
30	101u	90.852	93.090	2.238
30	59u	91.370	92.925	1.556
30	25u	91.819	91.666	-0.154
30	287u	91.555	91.709	0.154
50	332	92.019	92.039	0.019
50	333	89.651	92.012	2.361
50	259	91.469	92.399	0.930
50	265	91.416	93.002	1.586
50	330	92.281	93.073	0.792
50	40u	92.370	93.626	1.256
50	335u	91.717	92.345	0.628
50	294u	92.048	93.626	1.578
50	302u	91.636	92.881	1.245
50	331u	91.716	93.034	1.319
100	165	91.717	92.858	1.141
100	88	91.137	93.871	2.734
100	16	91.260	94.186	2.926
100	342	91.666	92.743	1.076
100	166	90.361	92.462	2.101
100	244	91.378	93.031	1.653
100	33	91.739	93.744	2.005
100	77	91.581	93.899	2.318
100	27	91.198	92.961	1.762
100	255	91.600	93.349	1.749
100	22	91.963	93.641	1.678
100	168	90.983	93.713	2.730
100	89	90.429	92.093	1.664
100	233	91.348	91.442	0.094



51.1 __SYNC_RiTm VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	122.5	nS
Min Limit	10	nS

krad(Si)	0	3	10	30	50	100
LL	10.000	10.000	10.000	10.000	10.000	10.000
Min	91.707	90.859	91.328	91.666	92.012	91.442
Average	91.707	91.937	92.176	92.346	92.804	93.256
Max	91.707	92.664	92.834	93.090	93.626	94.967
UL	122.500	122.500	122.500	122.500	122.500	122.500



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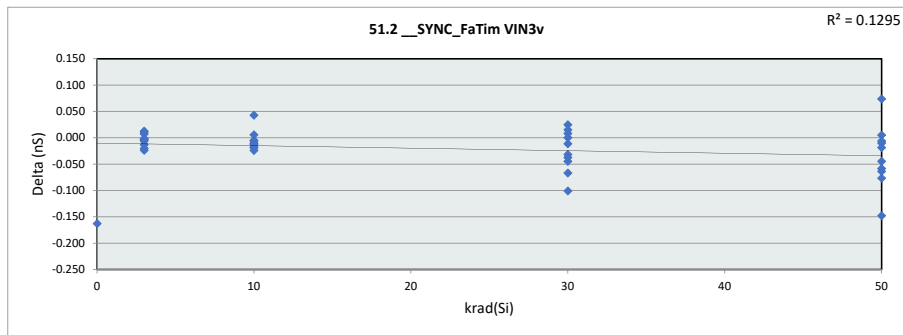
100	251	92.226	94.967	2.742
100	31	91.726	94.150	2.424
100	286	91.470	93.052	1.582
100	305	91.188	93.882	2.693
100	295	91.156	92.638	1.482
100	205	91.013	93.081	2.067
100	212	91.439	93.236	1.798
100	135	91.031	92.706	1.675
100	239u	91.238	92.873	1.634
100	195u	91.526	94.259	2.734
100	262u	91.137	92.598	1.461
100	161u	91.790	93.408	1.618
100	191u	91.221	93.074	1.853
	Max	92.370	94.967	2.926
	Average	91.455	92.680	1.225
	Min	89.651	90.859	-0.272
	Std Dev	0.506	0.819	0.802

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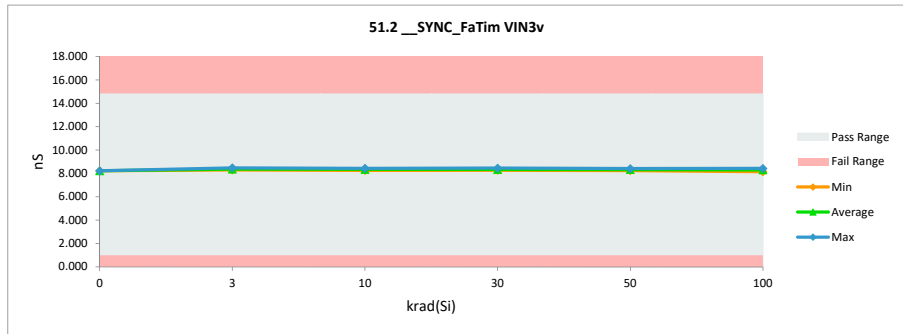
51.2 __SYNC_FaTim VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	nS	nS
Max Limit	14.8	14.8
Min Limit	1	1

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	8.386	8.223	-0.163
3	79	8.334	8.321	-0.013
3	150	8.295	8.292	-0.003
3	159	8.412	8.419	0.007
3	351	8.323	8.334	0.010
3	146	8.392	8.368	-0.024
3	132u	8.462	8.456	-0.006
3	357u	8.400	8.397	-0.003
3	276u	8.295	8.307	0.012
3	256u	8.491	8.470	-0.020
3	273u	8.296	8.294	-0.001
10	149	8.331	8.373	0.043
10	122	8.343	8.333	-0.010
10	182	8.375	8.369	-0.006
10	280	8.300	8.289	-0.012
10	314	8.446	8.429	-0.017
10	60u	8.428	8.415	-0.013
10	194u	8.257	8.263	0.006
10	97u	8.351	8.346	-0.005
10	264u	8.389	8.369	-0.019
10	284u	8.280	8.256	-0.024
30	9	8.454	8.454	0.000
30	190	8.285	8.300	0.015
30	157	8.377	8.402	0.025
30	65	8.295	8.284	-0.011
30	102	8.427	8.389	-0.037
30	64u	8.312	8.267	-0.045
30	101u	8.363	8.296	-0.067
30	59u	8.378	8.277	-0.101
30	25u	8.310	8.318	0.008
30	287u	8.351	8.319	-0.032
50	332	8.352	8.358	0.005
50	333	8.460	8.415	-0.045
50	259	8.294	8.368	0.074
50	265	8.432	8.284	-0.148
50	330	8.326	8.316	-0.010
50	40u	8.350	8.286	-0.064
50	335u	8.374	8.355	-0.019
50	294u	8.290	8.284	-0.006
50	302u	8.360	8.302	-0.058
50	331u	8.317	8.240	-0.076
100	165	8.374	8.238	-0.136
100	88	8.300	8.373	0.073
100	16	8.438	8.355	-0.083
100	342	8.397	8.178	-0.219
100	166	8.463	8.364	-0.099
100	244	8.307	8.256	-0.051
100	33	8.342	8.313	-0.029
100	77	8.422	8.367	-0.055
100	27	8.304	8.258	-0.046
100	255	8.348	8.296	-0.052
100	22	8.303	8.251	-0.052
100	168	8.406	8.366	-0.040
100	89	8.378	8.328	-0.050
100	233	8.302	8.426	0.125



51.2 __SYNC_FaTim VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	14.8	nS
Min Limit	1	nS

krad(Si)	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	8.223	8.292	8.256	8.267	8.240	8.154
Average	8.223	8.366	8.344	8.331	8.321	8.296
Max	8.223	8.470	8.429	8.454	8.415	8.426
UL	14.800	14.800	14.800	14.800	14.800	14.800



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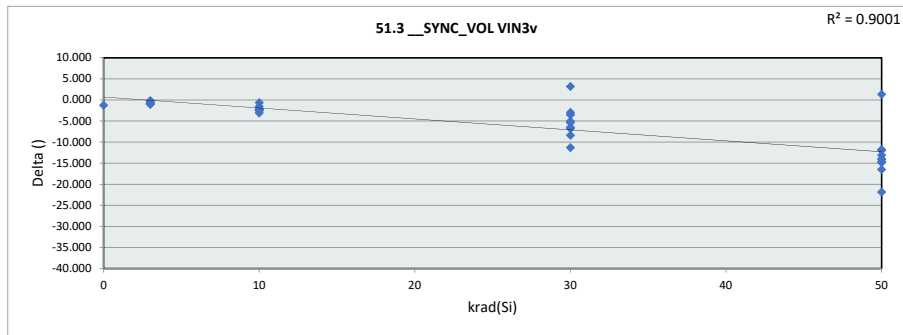
100	251	8.347	8.278	-0.069
100	31	8.386	8.348	-0.038
100	286	8.284	8.211	-0.073
100	305	8.443	8.413	-0.031
100	295	8.459	8.424	-0.035
100	205	8.286	8.248	-0.038
100	212	8.327	8.263	-0.064
100	135	8.330	8.299	-0.031
100	239u	8.261	8.154	-0.107
100	195u	8.370	8.290	-0.080
100	262u	8.349	8.251	-0.098
100	161u	8.358	8.252	-0.107
100	191u	8.293	8.198	-0.095
	Max	8.491	8.470	0.125
	Average	8.357	8.321	-0.036
	Min	8.257	8.154	-0.219
	Std Dev	0.058	0.070	0.054

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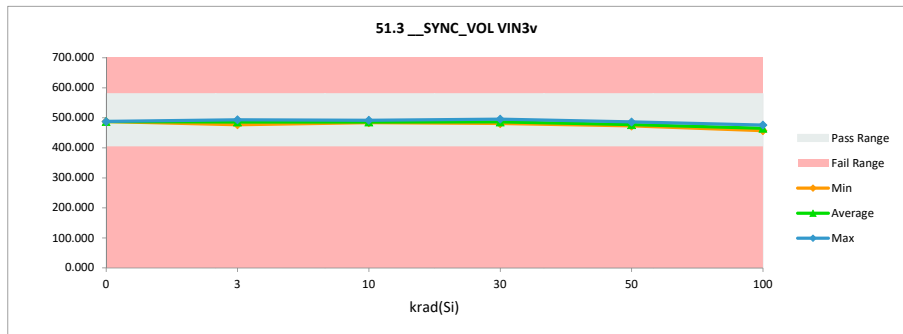
51.3_SYNC_VOL VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	580	580
Min Limit	405	405

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	489.017	487.777	-1.240
3	79	485.856	484.855	-1.001
3	150	481.875	480.886	-0.989
3	159	482.280	482.003	-0.277
3	351	493.625	492.605	-1.020
3	146	481.504	481.321	-0.183
3	132u	494.331	493.488	-0.843
3	357u	484.772	483.972	-0.800
3	276u	490.267	489.660	-0.606
3	256u	477.577	476.738	-0.838
3	273u	493.922	493.110	-0.812
10	149	484.405	483.751	-0.654
10	122	488.829	486.316	-2.513
10	182	486.531	484.284	-2.247
10	280	487.599	485.135	-2.464
10	314	487.861	486.323	-1.538
10	60u	494.100	491.914	-2.186
10	194u	489.008	485.903	-3.105
10	97u	488.512	486.331	-2.181
10	264u	487.845	485.404	-2.441
10	284u	486.872	484.596	-2.275
30	9	502.166	495.690	-6.476
30	190	485.900	480.871	-5.029
30	157	490.275	484.896	-5.379
30	65	492.025	485.249	-6.776
30	102	489.224	485.739	-3.485
30	64u	493.965	485.580	-8.385
30	101u	488.434	484.977	-3.457
30	59u	486.997	490.168	3.172
30	25u	491.504	488.546	-2.958
30	287u	492.592	481.286	-11.306
50	332	487.828	472.964	-14.863
50	333	484.813	486.139	1.327
50	259	491.448	474.958	-16.489
50	265	490.350	475.719	-14.631
50	330	493.143	481.176	-11.967
50	40u	487.681	473.690	-13.992
50	335u	497.373	475.502	-21.871
50	294u	487.762	473.690	-14.073
50	302u	485.958	472.878	-13.080
50	331u	495.735	483.941	-11.794
100	165	497.373	463.133	-34.240
100	88	489.884	468.649	-21.234
100	16	493.648	461.772	-31.876
100	342	487.535	469.937	-17.598
100	166	501.574	475.881	-25.694
100	244	491.911	464.105	-27.805
100	33	491.530	466.317	-25.214
100	77	494.956	473.132	-21.823
100	27	493.125	467.451	-25.674
100	255	490.066	461.662	-28.404
100	22	493.345	469.164	-24.181
100	168	492.285	467.286	-24.999
100	89	489.381	464.308	-25.073
100	233	497.343	465.411	-31.933



51.3_SYNC_VOL VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	580	
Min Limit	405	

krad(Si)	0	3	10	30	50	100
LL	405.000	405.000	405.000	405.000	405.000	405.000
Min	487.777	476.738	483.751	480.871	472.878	457.189
Average	487.777	485.864	485.996	486.300	477.066	465.154
Max	487.777	493.488	491.914	495.691	486.139	475.881
UL	580.000	580.000	580.000	580.000	580.000	580.000



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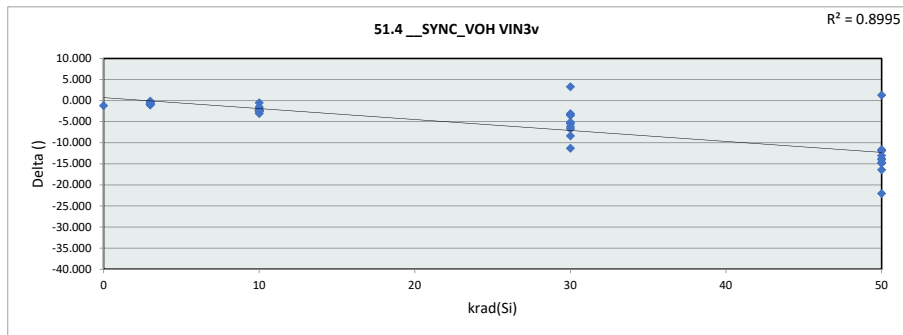
100	251	486.826	459.042	-27.784
100	31	480.911	457.189	-23.722
100	286	489.458	465.657	-23.801
100	305	488.910	465.365	-23.546
100	295	481.109	460.404	-20.705
100	205	492.802	466.327	-26.475
100	212	486.862	461.549	-25.313
100	135	490.000	466.739	-23.262
100	239u	490.116	467.418	-22.698
100	195u	487.341	463.566	-23.775
100	262u	486.061	461.893	-24.168
100	161u	489.708	463.927	-25.781
100	191u	489.865	461.873	-27.992
	Max	502.166	495.690	3.172
	Average	489.642	476.459	-13.184
	Min	477.577	457.189	-34.240
	Std Dev	4.606	10.603	11.167

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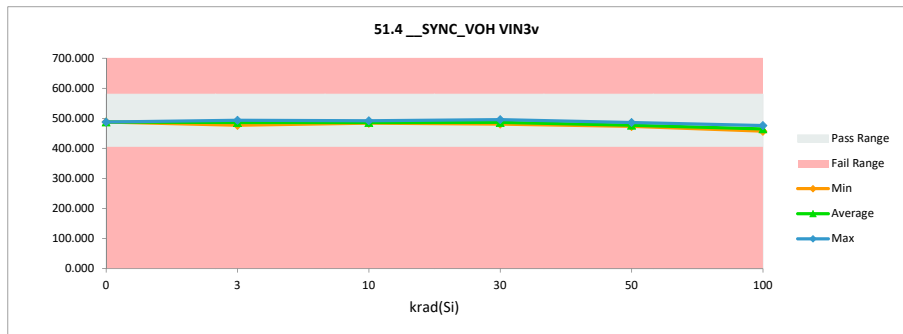
51.4_SYNC_VOH VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	580	580
Min Limit	405	405

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	488.960	487.758	-1.203
3	79	485.843	484.869	-0.974
3	150	481.876	480.874	-1.002
3	159	482.334	481.996	-0.338
3	351	493.661	492.671	-0.990
3	146	481.484	481.323	-0.161
3	132u	494.321	493.560	-0.761
3	357u	484.776	484.021	-0.755
3	276u	490.237	489.652	-0.585
3	256u	477.492	476.676	-0.817
3	273u	494.020	493.168	-0.852
10	149	484.280	483.739	-0.541
10	122	488.847	486.190	-2.657
10	182	486.622	484.312	-2.311
10	280	487.651	485.115	-2.536
10	314	487.901	486.403	-1.497
10	60u	494.073	491.869	-2.204
10	194u	489.001	485.913	-3.088
10	97u	488.483	486.390	-2.093
10	264u	487.795	485.410	-2.385
10	284u	486.919	484.504	-2.415
30	9	502.053	495.838	-6.215
30	190	485.952	480.837	-5.115
30	157	490.254	484.747	-5.507
30	65	491.942	485.228	-6.714
30	102	489.181	485.709	-3.472
30	64u	493.958	485.583	-8.375
30	101u	488.376	484.934	-3.442
30	59u	486.972	490.237	3.265
30	25u	491.630	488.502	-3.128
30	287u	492.560	481.264	-11.296
50	332	487.779	472.907	-14.872
50	333	484.768	486.059	1.291
50	259	491.383	474.934	-16.449
50	265	490.379	475.681	-14.698
50	330	493.168	481.236	-11.932
50	40u	487.569	473.702	-13.868
50	335u	497.413	475.361	-22.052
50	294u	487.692	473.702	-13.991
50	302u	486.020	472.962	-13.059
50	331u	495.643	483.987	-11.656
100	165	497.413	463.083	-34.330
100	88	489.819	468.694	-21.125
100	16	493.597	461.759	-31.838
100	342	487.552	470.013	-17.539
100	166	501.499	475.920	-25.579
100	244	492.122	464.098	-28.024
100	33	491.586	466.270	-25.317
100	77	494.869	473.102	-21.767
100	27	493.204	467.494	-25.710
100	255	490.103	461.687	-28.415
100	22	493.215	469.195	-24.020
100	168	492.243	467.363	-24.881
100	89	489.291	464.266	-25.026
100	233	497.350	465.449	-31.901



51.4_SYNC_VOH VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	580	
Min Limit	405	

krad(Si)	0	3	10	30	50	100
LL	405.000	405.000	405.000	405.000	405.000	405.000
Min	487.758	476.676	483.739	480.837	472.907	457.191
Average	487.758	485.881	485.985	486.288	477.053	465.155
Max	487.758	493.560	491.869	495.838	486.059	475.920
UL	580.000	580.000	580.000	580.000	580.000	580.000



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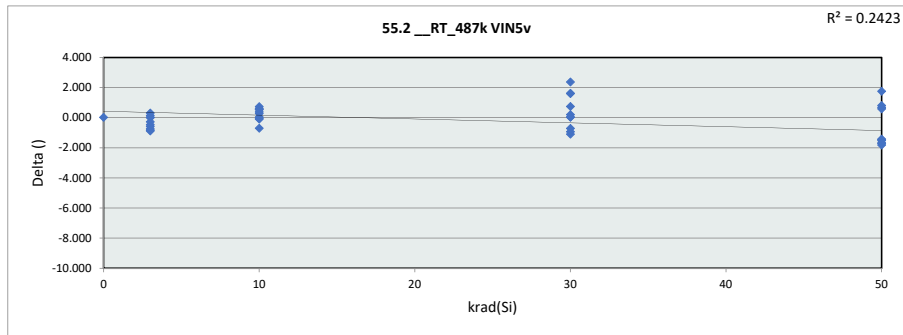
100	251	486.726	459.011	-27.715
100	31	481.022	457.191	-23.831
100	286	489.469	465.682	-23.787
100	305	488.844	465.238	-23.606
100	295	481.174	460.375	-20.799
100	205	492.746	466.291	-26.455
100	212	486.701	461.555	-25.146
100	135	490.131	466.656	-23.474
100	239u	490.046	467.407	-22.639
100	195u	487.254	463.596	-23.658
100	262u	486.023	461.868	-24.155
100	161u	489.742	464.079	-25.663
100	191u	489.874	461.857	-28.017
	Max	502.053	495.838	3.265
	Average	489.631	476.456	-13.175
	Min	477.492	457.191	-34.330
	Std Dev	4.602	10.608	11.167

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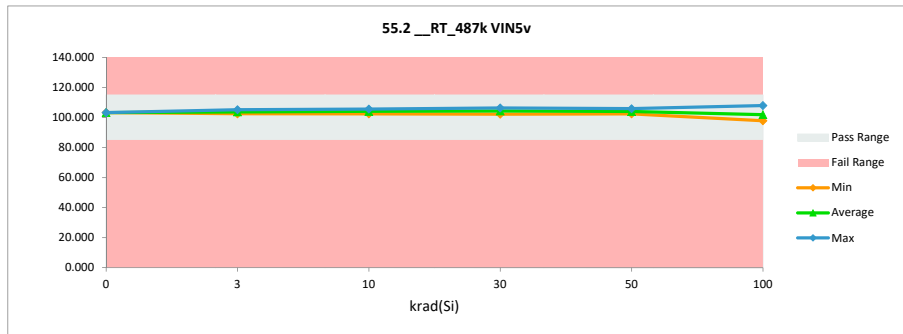
55.2_RT_487k VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	115	115
Min Limit	85	85

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	103.263	103.282	0.019
3	79	102.907	102.438	-0.469
3	150	105.141	105.157	0.016
3	159	103.188	102.607	-0.581
3	351	105.004	104.171	-0.833
3	146	105.226	104.341	-0.885
3	132u	103.298	103.608	0.310
3	357u	103.793	103.926	0.133
3	276u	103.456	103.458	0.002
3	256u	103.123	102.852	-0.271
3	273u	105.154	104.409	-0.746
10	149	102.497	102.396	-0.101
10	122	105.021	105.587	0.566
10	182	104.124	104.164	0.040
10	280	104.344	103.640	-0.704
10	314	105.180	105.142	-0.038
10	60u	102.418	102.947	0.529
10	194u	104.048	104.432	0.384
10	97u	103.237	103.967	0.731
10	264u	102.651	103.252	0.601
10	284u	104.596	104.876	0.280
30	9	102.174	102.211	0.037
30	190	103.612	102.677	-0.935
30	157	104.489	103.393	-1.096
30	65	104.647	104.686	0.039
30	102	104.421	103.711	-0.709
30	64u	103.472	104.219	0.747
30	101u	104.532	106.140	1.608
30	59u	104.962	105.168	0.206
30	25u	103.959	106.326	2.367
30	287u	103.372	104.990	1.617
50	332	105.169	103.352	-1.818
50	333	103.819	102.396	-1.423
50	259	104.493	102.972	-1.521
50	265	103.846	102.392	-1.454
50	330	105.044	103.365	-1.679
50	40u	105.309	105.896	0.586
50	335u	106.650	104.942	-1.707
50	294u	104.137	105.896	1.758
50	302u	103.339	104.148	0.809
50	331u	103.224	103.902	0.677
100	165	106.650	97.943	-8.707
100	88	103.991	98.723	-5.267
100	16	101.098	97.895	-3.203
100	342	102.207	100.581	-1.626
100	166	101.570	98.010	-3.560
100	244	104.086	100.947	-3.139
100	33	105.416	101.579	-3.837
100	77	103.462	100.551	-2.912
100	27	104.295	102.551	-1.744
100	255	103.046	98.419	-4.626
100	22	103.276	101.973	-1.303
100	168	104.121	98.529	-5.592
100	89	106.000	104.638	-1.361
100	233	105.227	103.925	-1.302



55.2_RT_487k VIN5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	115	
Min Limit	85	

krad(Si)	0	3	10	30	50	100
LL	85.000	85.000	85.000	85.000	85.000	85.000
Min	103.282	102.438	102.396	102.211	102.392	97.895
Average	103.282	103.697	104.040	104.352	103.926	101.914
Max	103.282	105.157	105.587	106.327	105.896	107.988
UL	115.000	115.000	115.000	115.000	115.000	115.000



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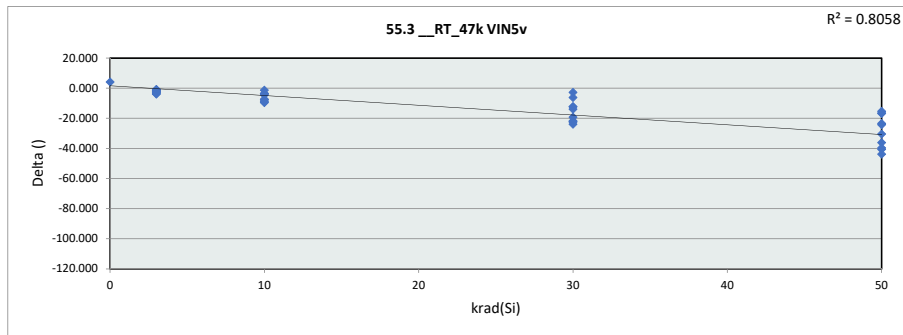
100	251	104.563	99.963	-4.600
100	31	103.055	99.219	-3.836
100	286	107.351	104.092	-3.259
100	305	102.908	98.892	-4.016
100	295	103.706	102.611	-1.095
100	205	104.621	100.872	-3.749
100	212	104.000	103.332	-0.668
100	135	105.491	104.502	-0.990
100	239u	104.262	106.469	2.207
100	195u	104.136	106.985	2.849
100	262u	105.007	105.405	0.398
100	161u	103.788	105.095	1.307
100	191u	105.508	107.988	2.480
	Max	107.351	107.988	2.849
	Average	104.106	103.164	-0.942
	Min	101.098	97.895	-8.707
	Std Dev	1.165	2.316	2.124

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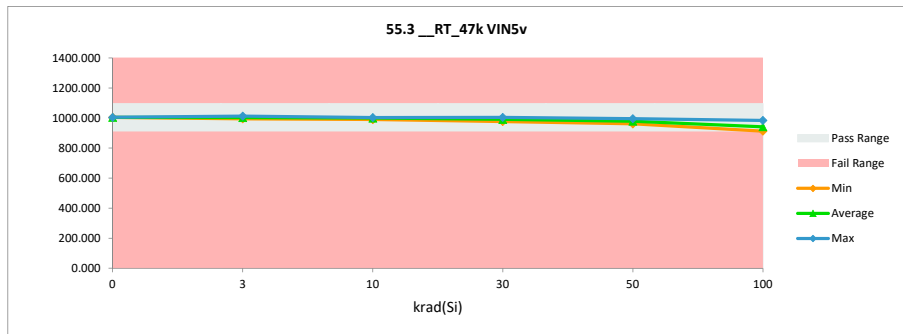
55.3_RT_47k_VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	1095	1095
Min Limit	910	910

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	1000.293	1004.458	4.165
3	79	997.487	994.562	-2.924
3	150	1008.854	1006.098	-2.756
3	159	998.282	996.517	-1.766
3	351	1006.212	1002.676	-3.535
3	146	1007.293	1003.295	-3.998
3	132u	1015.090	1013.275	-1.815
3	357u	1004.705	1003.836	-0.870
3	276u	1002.278	1000.461	-1.817
3	256u	1001.972	1001.112	-0.860
3	273u	1007.985	1005.828	-2.157
10	149	998.435	989.934	-8.500
10	122	1006.857	999.352	-7.505
10	182	1009.862	1000.685	-9.177
10	280	1006.390	996.828	-9.562
10	314	1009.460	1002.075	-7.385
10	60u	999.141	995.365	-3.776
10	194u	1006.512	1002.020	-4.492
10	97u	1004.194	1002.900	-1.294
10	264u	1004.654	1000.871	-3.783
10	284u	1004.839	1001.389	-3.450
30	9	1007.227	984.810	-22.416
30	190	1000.506	976.602	-23.904
30	157	1007.071	984.872	-22.200
30	65	1005.960	984.248	-21.712
30	102	1006.631	987.414	-19.216
30	64u	1003.138	990.808	-12.330
30	101u	1008.420	994.438	-13.982
30	59u	1013.107	1000.812	-12.295
30	25u	1006.613	1000.437	-6.176
30	287u	1006.861	1004.065	-2.796
50	332	1013.819	973.228	-40.591
50	333	1008.900	972.775	-36.125
50	259	1004.485	974.070	-30.415
50	265	1004.826	960.987	-43.839
50	330	1012.042	972.406	-39.637
50	40u	1011.929	987.654	-24.275
50	335u	1019.168	995.720	-23.448
50	294u	1004.183	987.654	-16.529
50	302u	999.788	982.950	-16.838
50	331u	993.776	978.427	-15.348
100	165	1019.168	915.787	-103.381
100	88	1002.156	932.385	-69.771
100	16	993.765	921.921	-71.844
100	342	997.398	930.472	-66.925
100	166	1005.745	930.920	-74.824
100	244	1000.970	929.851	-71.119
100	33	1015.815	943.605	-72.210
100	77	1015.346	952.243	-63.103
100	27	1005.687	938.515	-67.173
100	255	992.901	912.750	-80.151
100	22	1002.899	940.452	-62.447
100	168	1004.729	922.310	-82.420
100	89	1017.842	955.011	-62.831
100	233	1016.462	949.515	-66.947



55.3_RT_47k_VIN5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1095	
Min Limit	910	

krad(Si)	0	3	10	30	50	100
LL	910.000	910.000	910.000	910.000	910.000	910.000
Min	1004.458	994.562	989.934	976.602	960.987	912.750
Average	1004.458	1002.766	999.142	990.851	978.587	941.999
Max	1004.458	1013.275	1002.900	1004.065	995.720	984.355
UL	1095.000	1095.000	1095.000	1095.000	1095.000	1095.000



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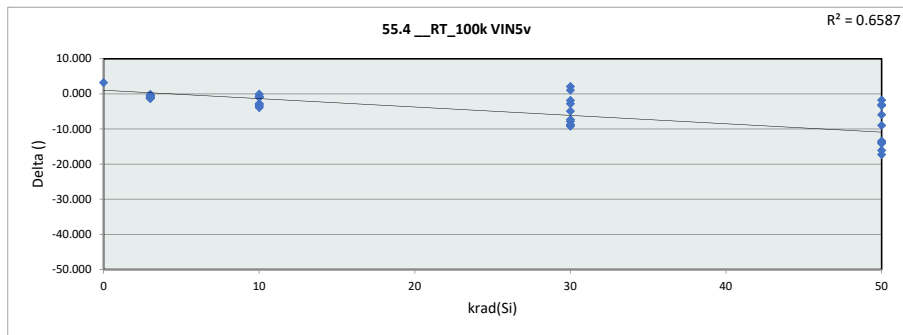
100	251	1002.053	923.781	-78.272
100	31	998.985	921.055	-77.930
100	286	1015.747	941.104	-74.643
100	305	1004.456	935.642	-68.814
100	295	1005.407	947.430	-57.977
100	205	1003.728	924.482	-79.246
100	212	999.219	935.551	-63.668
100	135	1014.203	953.977	-60.225
100	239u	1007.070	975.383	-31.687
100	195u	996.753	965.693	-31.060
100	262u	1006.442	983.112	-23.331
100	161u	1000.853	966.661	-34.191
100	191u	1009.833	984.355	-25.478
	Max	1019.168	1013.275	4.165
	Average	1005.807	972.822	-32.985
	Min	992.901	912.750	-103.381
	Std Dev	6.109	29.528	29.431

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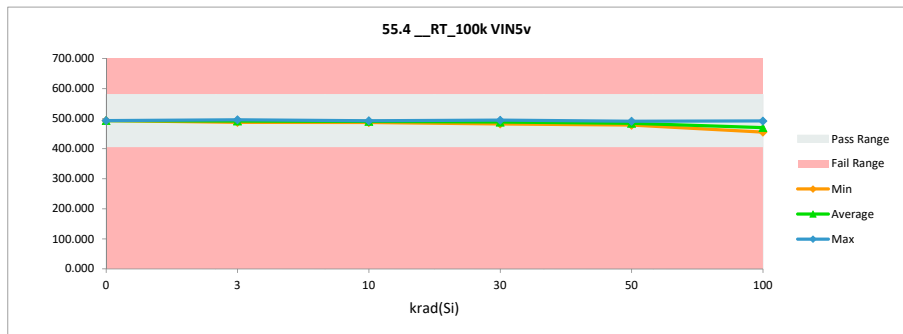
55.4 RT 100k VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	580	580
Min Limit	405	405

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	490.285	493.467	3.182
3	79	488.797	487.587	-1.210
3	150	495.612	494.366	-1.246
3	159	488.690	487.759	-0.932
3	351	493.330	492.153	-1.177
3	146	495.274	493.952	-1.322
3	132u	496.804	496.153	-0.651
3	357u	493.331	493.177	-0.154
3	276u	490.515	490.037	-0.478
3	256u	490.923	490.579	-0.344
3	273u	494.125	493.443	-0.683
10	149	490.093	487.306	-2.787
10	122	494.577	491.632	-2.945
10	182	495.427	491.940	-3.487
10	280	493.504	489.572	-3.932
10	314	496.110	492.864	-3.246
10	60u	488.161	487.253	-0.908
10	194u	494.008	492.996	-1.012
10	97u	492.546	492.482	-0.064
10	264u	492.215	491.373	-0.842
10	284u	492.913	492.184	-0.729
30	9	492.816	483.609	-9.207
30	190	491.051	482.289	-8.762
30	157	493.841	484.967	-8.874
30	65	493.007	485.200	-7.808
30	102	493.684	486.341	-7.343
30	64u	491.487	488.656	-2.831
30	101u	495.059	493.214	-1.845
30	59u	497.869	492.968	-4.901
30	25u	492.672	494.772	2.100
30	287u	492.973	494.036	1.063
50	332	498.205	480.904	-17.301
50	333	494.009	479.908	-14.101
50	259	493.380	479.974	-13.406
50	265	492.145	478.390	-13.755
50	330	497.245	481.175	-16.070
50	40u	497.483	491.538	-5.945
50	335u	500.361	491.390	-8.971
50	294u	493.327	491.538	-1.789
50	302u	489.582	486.499	-3.083
50	331u	486.125	482.824	-3.300
100	165	500.361	457.506	-42.855
100	88	492.090	460.389	-31.701
100	16	485.155	459.765	-25.391
100	342	488.837	466.609	-22.229
100	166	491.249	463.644	-27.605
100	244	491.204	464.665	-26.539
100	33	498.420	468.129	-30.291
100	77	496.918	469.857	-27.062
100	27	493.554	468.024	-25.530
100	255	486.696	455.441	-31.255
100	22	491.789	468.773	-23.016
100	168	492.528	461.524	-31.004
100	89	499.881	478.428	-21.453
100	233	498.887	470.718	-28.169



55.4 RT 100k VIN5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	580	
Min Limit	405	

krad(Si)	0	3	10	30	50	100
LL	405.000	405.000	405.000	405.000	405.000	405.000
Min	493.468	487.587	487.253	482.289	478.390	455.441
Average	493.468	491.920	490.960	488.605	484.414	470.096
Max	493.468	496.153	492.996	494.772	491.538	492.161
UL	580.000	580.000	580.000	580.000	580.000	580.000



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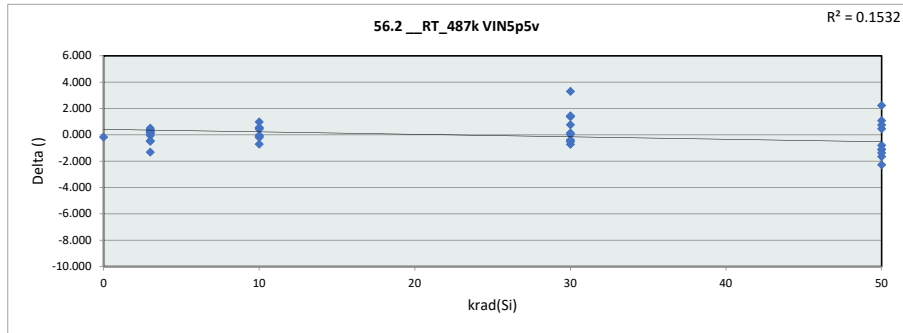
100	251	491.913	460.316	-31.598
100	31	489.166	461.797	-27.368
100	286	500.274	472.332	-27.941
100	305	490.526	461.967	-28.559
100	295	491.923	470.822	-21.101
100	205	493.289	464.115	-29.173
100	212	491.153	469.113	-22.040
100	135	497.657	474.452	-23.205
100	239u	494.694	490.466	-4.228
100	195u	490.111	487.128	-2.983
100	262u	492.600	487.848	-4.752
100	161u	491.322	486.607	-4.715
100	191u	495.564	492.161	-3.403
	Max	500.361	496.153	3.182
	Average	493.255	481.545	-11.710
	Min	485.155	455.441	-42.855
	Std Dev	3.403	12.021	11.989

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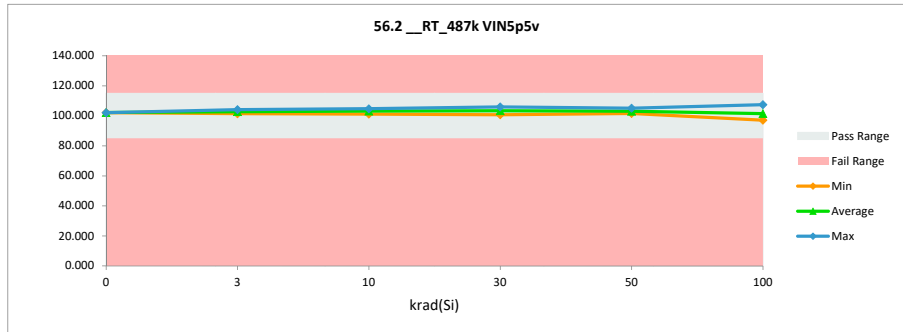
56.2_RT_487k_VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	115	115
Min Limit	85	85

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	102.318	102.137	-0.180
3	79	101.274	101.377	0.103
3	150	104.162	104.103	-0.058
3	159	101.314	101.503	0.188
3	351	103.920	103.430	-0.490
3	146	104.222	102.904	-1.318
3	132u	102.440	102.947	0.506
3	357u	102.674	102.916	0.243
3	276u	102.644	102.824	0.181
3	256u	101.662	102.030	0.368
3	273u	103.707	103.257	-0.450
10	149	101.280	101.124	-0.156
10	122	104.198	104.712	0.514
10	182	103.608	103.552	-0.057
10	280	103.304	102.596	-0.708
10	314	104.283	104.080	-0.203
10	60u	101.221	101.745	0.524
10	194u	103.645	103.553	-0.091
10	97u	102.290	103.270	0.980
10	264u	102.317	102.756	0.438
10	284u	103.521	104.058	0.537
30	9	100.556	100.694	0.137
30	190	102.557	101.835	-0.721
30	157	103.164	102.696	-0.468
30	65	103.787	103.817	0.029
30	102	103.389	102.990	-0.399
30	64u	102.291	103.051	0.759
30	101u	103.729	105.172	1.442
30	59u	104.449	103.931	-0.518
30	25u	102.630	105.934	3.304
30	287u	102.574	103.947	1.372
50	332	104.581	102.310	-2.272
50	333	102.342	101.542	-0.800
50	259	103.459	102.082	-1.377
50	265	102.897	101.801	-1.096
50	330	103.693	102.575	-1.118
50	40u	104.346	105.091	0.745
50	335u	105.957	104.297	-1.660
50	294u	102.858	105.091	2.232
50	302u	101.811	102.890	1.079
50	331u	102.182	102.634	0.452
100	165	105.957	98.359	-7.598
100	88	103.182	98.151	-5.031
100	16	99.702	97.072	-2.630
100	342	100.772	100.521	-0.251
100	166	100.083	97.107	-2.976
100	244	102.751	100.571	-2.180
100	33	104.178	101.973	-2.205
100	77	101.897	99.117	-2.781
100	27	103.258	102.261	-0.998
100	255	101.920	99.317	-2.603
100	22	102.274	101.375	-0.899
100	168	103.363	98.283	-5.079
100	89	104.484	103.024	-1.460
100	233	104.773	102.810	-1.963



56.2_RT_487k_VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	115	
Min Limit	85	

krad(Si)	0	3	10	30	50	100
LL	85.000	85.000	85.000	85.000	85.000	85.000
Min	102.137	101.377	101.125	100.694	101.542	97.072
Average	102.137	102.729	103.145	103.406	103.031	101.503
Max	102.137	104.103	104.712	105.934	105.091	107.484
UL	115.000	115.000	115.000	115.000	115.000	115.000



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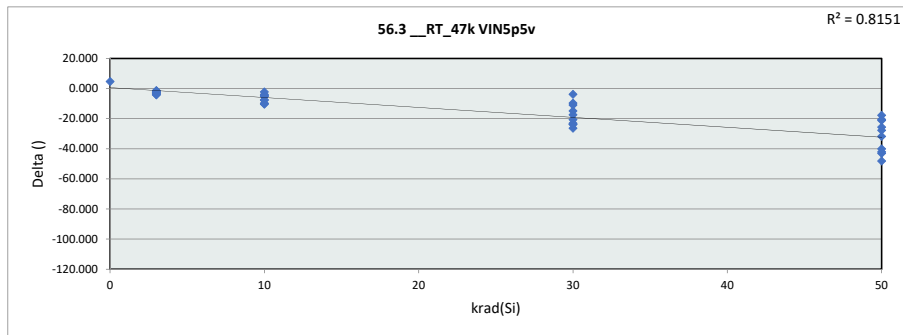
100	251	103.371	99.834	-3.537
100	31	102.096	98.321	-3.775
100	286	106.425	103.430	-2.995
100	305	101.911	99.684	-2.227
100	295	102.126	101.789	-0.336
100	205	103.558	101.104	-2.454
100	212	103.004	102.739	-0.266
100	135	104.460	104.226	-0.234
100	239u	103.428	106.414	2.985
100	195u	103.257	106.892	3.635
100	262u	103.504	104.272	0.768
100	161u	102.657	104.441	1.784
100	191u	104.285	107.484	3.199
	Max	106.425	107.484	3.635
	Average	103.028	102.439	-0.590
	Min	99.702	97.072	-7.598
	Std Dev	1.300	2.180	1.961

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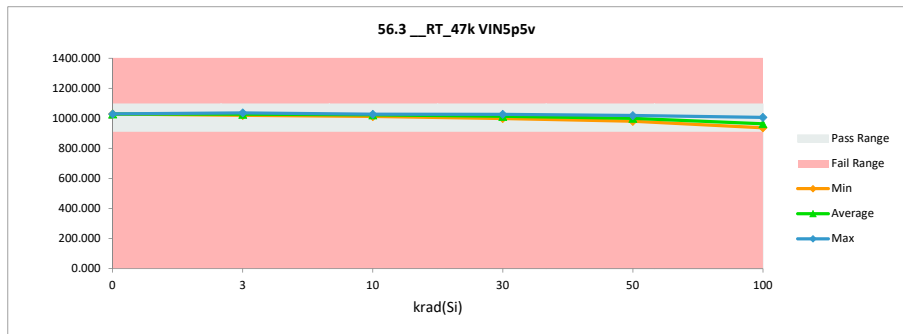
56.3 RT 47k VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	1095	1095
Min Limit	910	910

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	1024.339	1029.000	4.661
3	79	1022.970	1019.460	-3.510
3	150	1033.931	1030.827	-3.104
3	159	1024.276	1022.040	-2.236
3	351	1030.204	1026.061	-4.144
3	146	1031.799	1027.620	-4.178
3	132u	1038.304	1036.177	-2.127
3	357u	1028.150	1026.754	-1.396
3	276u	1026.813	1024.110	-2.702
3	256u	1026.977	1025.512	-1.465
3	273u	1034.230	1031.415	-2.815
10	149	1022.026	1012.217	-9.809
10	122	1030.911	1023.250	-7.661
10	182	1033.914	1023.944	-9.970
10	280	1031.753	1021.266	-10.487
10	314	1034.304	1026.716	-7.588
10	60u	1022.300	1017.829	-4.471
10	194u	1031.974	1026.789	-5.186
10	97u	1029.011	1026.801	-2.211
10	264u	1028.457	1023.409	-5.049
10	284u	1029.001	1025.007	-3.994
30	9	1031.413	1007.665	-23.748
30	190	1025.028	998.641	-26.387
30	157	1032.066	1008.988	-23.078
30	65	1030.762	1006.923	-23.839
30	102	1032.587	1011.948	-20.640
30	64u	1026.739	1011.855	-14.884
30	101u	1032.973	1015.565	-17.408
30	59u	1035.487	1024.480	-11.008
30	25u	1031.267	1021.534	-9.733
30	287u	1030.399	1026.600	-3.798
50	332	1037.650	995.505	-42.146
50	333	1033.148	993.078	-40.070
50	259	1028.458	996.649	-31.809
50	265	1028.504	980.358	-48.146
50	330	1036.656	993.599	-43.057
50	40u	1035.272	1007.524	-27.748
50	335u	1044.065	1018.397	-25.668
50	294u	1028.668	1007.524	-21.144
50	302u	1024.802	1004.253	-20.549
50	331u	1019.093	1001.329	-17.764
100	165	1044.065	939.543	-104.522
100	88	1025.947	952.588	-73.359
100	16	1017.803	946.262	-71.541
100	342	1021.269	948.817	-72.452
100	166	1028.497	951.402	-77.095
100	244	1026.067	952.537	-73.530
100	33	1040.896	966.997	-73.899
100	77	1040.182	973.844	-66.337
100	27	1029.903	959.508	-70.396
100	255	1016.909	936.907	-80.003
100	22	1027.003	960.417	-66.585
100	168	1028.554	945.700	-82.854
100	89	1043.704	978.902	-64.802
100	233	1038.887	974.138	-64.749



56.3 RT 47k VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1095	
Min Limit	910	

krad(Si)	0	3	10	30	50	100
LL	910.000	910.000	910.000	910.000	910.000	910.000
Min	1029.000	1019.460	1012.217	998.641	980.358	936.907
Average	1029.000	1026.998	1022.723	1013.420	999.822	964.316
Max	1029.000	1036.178	1026.801	1026.600	1018.397	1006.063
UL	1095.000	1095.000	1095.000	1095.000	1095.000	1095.000



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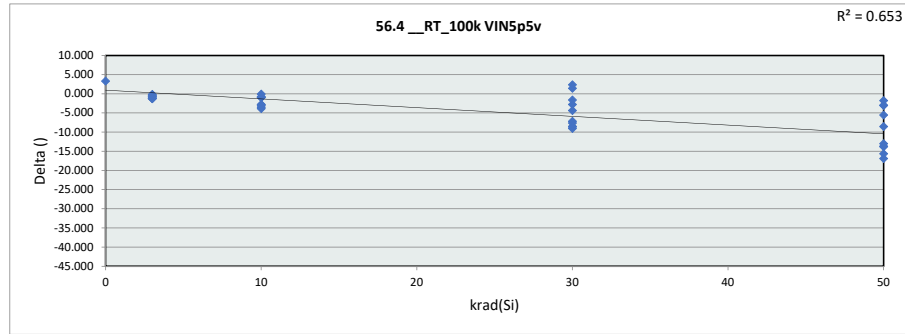
100	251	1026.446	947.744	-78.701
100	31	1022.340	944.304	-78.036
100	286	1039.804	965.593	-74.211
100	305	1028.719	955.276	-73.443
100	295	1030.461	969.338	-61.123
100	205	1025.886	944.198	-81.688
100	212	1023.410	958.178	-65.232
100	135	1039.226	976.776	-62.450
100	239u	1030.291	997.388	-32.903
100	195u	1019.792	989.902	-29.890
100	262u	1031.855	1004.070	-27.785
100	161u	1024.351	990.148	-34.203
100	191u	1035.599	1006.063	-29.536
	Max	1044.065	1036.177	4.661
	Average	1030.126	995.517	-34.609
	Min	1016.909	936.907	-104.522
	Std Dev	6.235	30.040	29.767

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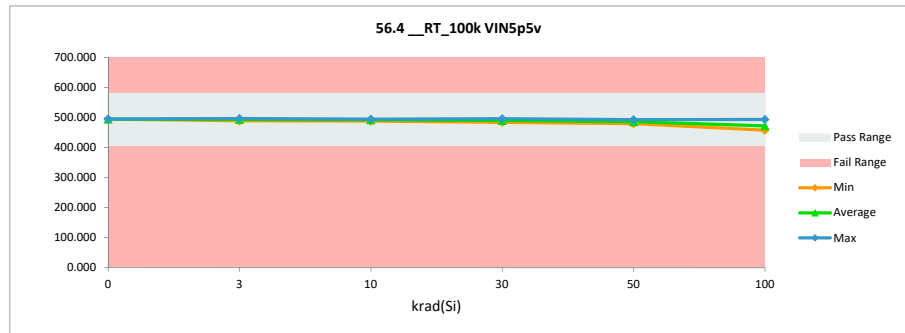
5962R2021001VSC (TPS7H4002-SP)

56.4_RT_100k_VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	580	580
Min Limit	405	405

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	491.333	494.654	3.321
3	79	490.111	488.881	-1.230
3	150	496.972	495.775	-1.197
3	159	490.167	489.254	-0.913
3	351	494.227	493.055	-1.171
3	146	496.442	495.159	-1.283
3	132u	497.476	496.801	-0.675
3	357u	494.175	494.031	-0.144
3	276u	491.636	491.116	-0.521
3	256u	492.082	491.739	-0.343
3	273u	495.410	494.734	-0.676
10	149	491.014	488.234	-2.779
10	122	495.650	492.755	-2.895
10	182	496.546	493.006	-3.539
10	280	494.581	490.707	-3.874
10	314	497.048	493.907	-3.141
10	60u	488.746	487.794	-0.952
10	194u	495.429	494.450	-0.978
10	97u	493.964	493.890	-0.074
10	264u	493.520	492.670	-0.850
10	284u	493.888	493.119	-0.770
30	9	493.793	484.737	-9.056
30	190	492.311	483.663	-8.648
30	157	495.013	486.503	-8.510
30	65	494.033	486.412	-7.621
30	102	495.236	488.039	-7.197
30	64u	492.469	489.688	-2.781
30	101u	496.094	494.481	-1.613
30	59u	498.665	494.301	-4.364
30	25u	493.670	496.019	2.349
30	287u	493.806	495.248	1.442
50	332	499.571	482.652	-16.919
50	333	494.753	481.054	-13.699
50	259	494.417	481.377	-13.040
50	265	493.215	479.414	-13.801
50	330	498.240	482.590	-15.650
50	40u	498.161	492.628	-5.534
50	335u	501.439	492.868	-8.571
50	294u	494.427	492.628	-1.799
50	302u	490.721	487.709	-3.012
50	331u	487.389	484.336	-3.053
100	165	501.439	459.931	-41.508
100	88	493.148	462.508	-30.640
100	16	485.997	462.172	-23.825
100	342	489.869	468.728	-21.141
100	166	491.912	465.434	-26.478
100	244	492.489	467.168	-25.321
100	33	499.545	470.731	-28.814
100	77	497.990	472.107	-25.883
100	27	494.683	470.365	-24.319
100	255	487.668	457.937	-29.731
100	22	492.673	470.675	-21.998
100	168	493.478	463.607	-29.871
100	89	501.103	480.681	-20.421
100	233	499.627	473.015	-26.612



56.4_RT_100k_VIN5p5v						
Test Site	DAL-FL					
Tester	ETS36409					
Test Number	EB386805					
Max Limit	580					
Min Limit	405					
krad(Si)	0	3	10	30	50	100
LL	405.000	405.000	405.000	405.000	405.000	405.000
Min	494.654	488.881	487.794	483.663	479.414	457.937
Average	494.654	493.055	492.053	489.909	485.726	472.130
Max	494.654	496.801	494.450	496.019	492.868	493.463
UL	580.000	580.000	580.000	580.000	580.000	580.000



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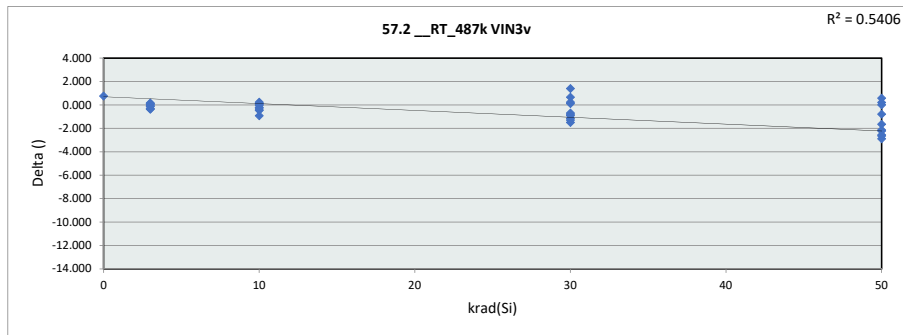
100	251	493.087	462.973	-30.114
100	31	490.131	463.717	-26.413
100	286	501.311	474.642	-26.669
100	305	491.454	464.212	-27.242
100	295	492.857	472.771	-20.086
100	205	493.983	465.846	-28.137
100	212	492.354	471.219	-21.135
100	135	498.745	476.606	-22.139
100	239u	495.487	491.547	-3.939
100	195u	491.193	488.253	-2.940
100	262u	493.678	489.363	-4.316
100	161u	492.392	487.827	-4.565
100	191u	496.688	493.462	-3.225
	Max	501.439	496.801	3.321
	Average	494.306	483.082	-11.224
	Min	485.997	457.937	-41.508
	Std Dev	3.402	11.573	11.493

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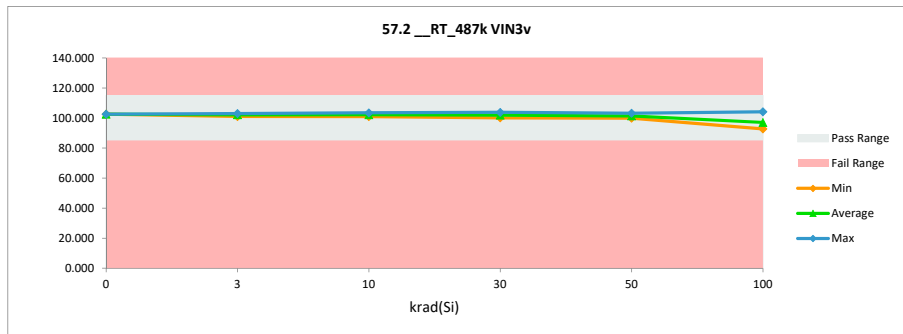
57.2_RT_487k VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	115	115
Min Limit	85	85

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	101.770	102.522	0.751
3	79	101.566	101.238	-0.328
3	150	102.900	102.972	0.071
3	159	101.015	100.984	-0.032
3	351	102.792	102.455	-0.336
3	146	103.272	102.907	-0.366
3	132u	102.556	102.436	-0.121
3	357u	102.467	102.557	0.090
3	276u	101.382	101.551	0.168
3	256u	101.424	101.518	0.095
3	273u	102.655	102.523	-0.132
10	149	101.351	100.922	-0.429
10	122	103.068	102.807	-0.261
10	182	102.581	102.117	-0.463
10	280	103.103	102.173	-0.930
10	314	103.701	103.458	-0.243
10	60u	100.996	101.059	0.063
10	194u	102.690	102.638	-0.052
10	97u	102.111	102.341	0.230
10	264u	101.449	101.536	0.087
10	284u	102.671	102.820	0.149
30	9	101.248	100.100	-1.148
30	190	101.980	100.477	-1.504
30	157	102.451	101.154	-1.296
30	65	102.307	101.610	-0.697
30	102	102.171	101.257	-0.913
30	64u	101.746	101.862	0.116
30	101u	103.012	103.243	0.231
30	59u	103.705	102.912	-0.794
30	25u	102.358	103.749	1.391
30	287u	102.238	102.898	0.660
50	332	103.262	100.611	-2.651
50	333	102.643	100.086	-2.557
50	259	102.926	100.704	-2.223
50	265	102.036	99.895	-2.141
50	330	103.782	100.895	-2.887
50	40u	103.953	103.160	-0.794
50	335u	104.457	102.811	-1.646
50	294u	102.576	103.160	0.583
50	302u	101.432	101.635	0.203
50	331u	100.639	100.644	0.006
100	165	104.457	93.032	-11.425
100	88	102.633	94.346	-8.287
100	16	100.025	92.740	-7.285
100	342	100.824	95.415	-5.409
100	166	100.531	93.939	-6.591
100	244	101.987	95.686	-6.300
100	33	103.838	95.606	-8.231
100	77	102.698	95.987	-6.711
100	27	102.667	96.702	-5.965
100	255	101.244	92.968	-8.276
100	22	102.013	97.328	-4.684
100	168	102.244	93.517	-8.727
100	89	104.051	99.671	-4.381
100	233	103.685	98.317	-5.368



57.2_RT_487k VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	115	
Min Limit	85	

krad(Si)	0	3	10	30	50	100
LL	85.000	85.000	85.000	85.000	85.000	85.000
Min	102.522	100.984	100.922	100.100	99.895	92.740
Average	102.522	102.114	102.187	101.926	101.360	97.080
Max	102.522	102.972	103.458	103.750	103.160	104.120
UL	115.000	115.000	115.000	115.000	115.000	115.000



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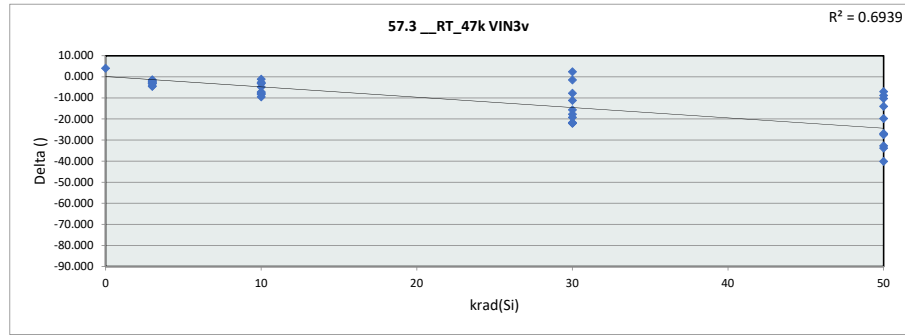
100	251	102.414	93.795	-8.619
100	31	101.250	94.222	-7.029
100	286	104.686	98.007	-6.679
100	305	101.168	94.158	-7.010
100	295	102.232	98.024	-4.208
100	205	102.953	95.589	-7.364
100	212	101.835	97.832	-4.002
100	135	103.877	99.125	-4.752
100	239u	102.967	103.489	0.522
100	195u	101.940	102.777	0.837
100	262u	102.403	102.277	-0.125
100	161u	101.839	102.499	0.660
100	191u	103.358	104.120	0.762
	Max	104.686	104.120	1.391
	Average	102.416	99.994	-2.422
	Min	100.025	92.740	-11.425
	Std Dev	1.007	3.317	3.246

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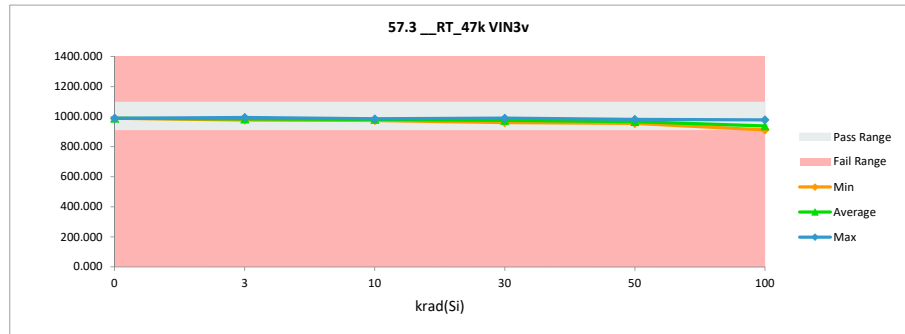
57.3_RT_47k_VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	1095	1095
Min Limit	910	910

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	984.967	989.030	4.063
3	79	980.426	977.442	-2.984
3	150	988.649	985.443	-3.207
3	159	980.421	977.676	-2.745
3	351	988.691	984.137	-4.554
3	146	990.200	985.826	-4.374
3	132u	996.047	994.306	-1.741
3	357u	989.470	987.232	-2.238
3	276u	983.572	981.193	-2.379
3	256u	984.631	983.241	-1.390
3	273u	990.087	986.842	-3.245
10	149	982.660	974.370	-8.290
10	122	988.383	981.171	-7.212
10	182	993.326	985.219	-8.107
10	280	989.548	979.990	-9.558
10	314	992.390	984.720	-7.669
10	60u	982.985	979.919	-3.066
10	194u	987.336	982.515	-4.821
10	97u	985.198	984.049	-1.150
10	264u	988.610	985.496	-3.114
10	284u	983.737	981.079	-2.658
30	9	988.023	966.114	-21.909
30	190	982.657	960.619	-22.037
30	157	989.715	967.930	-21.785
30	65	987.813	968.536	-19.277
30	102	987.614	969.873	-17.740
30	64u	987.317	979.530	-7.787
30	101u	993.920	982.698	-11.222
30	59u	997.406	981.706	-15.700
30	25u	987.140	989.501	2.360
30	287u	988.497	987.003	-1.493
50	332	996.532	956.422	-40.109
50	333	985.722	958.783	-26.939
50	259	988.589	961.144	-27.445
50	265	987.549	954.790	-32.759
50	330	994.832	961.000	-33.832
50	40u	995.594	981.580	-14.014
50	335u	999.141	979.357	-19.784
50	294u	988.646	981.580	-7.066
50	302u	981.735	972.894	-8.841
50	331u	973.575	963.273	-10.301
100	165	999.141	915.879	-83.262
100	88	986.203	924.483	-61.720
100	16	975.629	922.670	-52.959
100	342	980.882	932.441	-48.441
100	166	986.374	931.101	-55.273
100	244	980.325	921.963	-58.362
100	33	993.466	933.799	-59.666
100	77	997.121	942.110	-55.011
100	27	985.275	930.703	-54.573
100	255	973.778	911.694	-62.084
100	22	985.412	935.537	-49.874
100	168	989.364	926.388	-62.975
100	89	998.810	948.923	-49.888
100	233	1000.901	931.849	-69.052



57.3_RT_47k_VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1095	
Min Limit	910	

krad(Si)	0	3	10	30	50	100
LL	910.000	910.000	910.000	910.000	910.000	910.000
Min	989.030	977.442	974.370	960.619	954.790	911.694
Average	989.030	984.334	981.853	975.351	967.082	938.643
Max	989.030	994.306	985.496	989.501	981.580	979.094
UL	1095.000	1095.000	1095.000	1095.000	1095.000	1095.000



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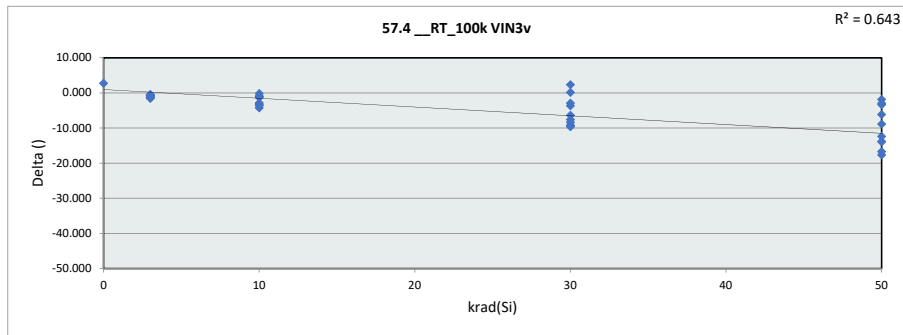
100	251	984.902	921.604	-63.298
100	31	983.151	924.589	-58.562
100	286	997.734	940.281	-57.452
100	305	983.892	926.593	-57.298
100	295	987.170	938.196	-48.974
100	205	993.338	931.036	-62.302
100	212	983.339	934.182	-49.157
100	135	997.086	946.370	-50.715
100	239u	989.069	978.717	-10.352
100	195u	984.328	971.723	-12.604
100	262u	988.000	973.777	-14.223
100	161u	982.827	967.656	-15.171
100	191u	989.875	979.094	-10.781
	Max	1000.901	994.306	4.063
	Average	988.099	962.038	-26.061
	Min	973.575	911.694	-83.262
	Std Dev	5.990	23.919	24.001

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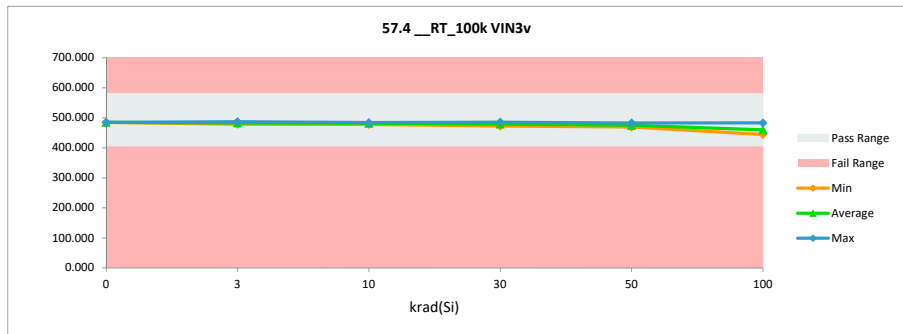
57.4_RT_100k_VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	580	580
Min Limit	405	405

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	482.128	484.872	2.744
3	79	480.270	478.990	-1.280
3	150	485.040	483.618	-1.422
3	159	479.563	478.475	-1.087
3	351	484.891	483.426	-1.465
3	146	486.002	484.464	-1.538
3	132u	487.669	486.975	-0.694
3	357u	484.833	484.321	-0.513
3	276u	481.424	480.848	-0.576
3	256u	482.000	481.519	-0.482
3	273u	485.032	484.127	-0.905
10	149	480.879	478.004	-2.876
10	122	485.110	481.917	-3.193
10	182	486.707	483.121	-3.586
10	280	485.202	480.913	-4.289
10	314	487.508	484.068	-3.440
10	60u	480.563	479.562	-1.001
10	194u	484.483	483.157	-1.327
10	97u	482.946	482.788	-0.158
10	264u	482.702	481.704	-0.997
10	284u	482.719	481.833	-0.887
30	9	483.694	474.046	-9.648
30	190	481.498	472.245	-9.254
30	157	485.188	475.889	-9.299
30	65	483.777	475.403	-8.374
30	102	483.616	476.031	-7.585
30	64u	483.410	480.499	-2.911
30	101u	486.893	483.218	-3.675
30	59u	489.027	482.666	-6.361
30	25u	483.141	485.475	2.334
30	287u	484.032	484.178	0.145
50	332	487.806	470.131	-17.674
50	333	484.022	470.114	-13.908
50	259	484.630	472.227	-12.403
50	265	483.073	469.221	-13.851
50	330	488.559	471.853	-16.706
50	40u	488.940	482.777	-6.162
50	335u	490.252	481.387	-8.865
50	294u	484.650	482.777	-1.873
50	302u	480.484	477.509	-2.975
50	331u	476.513	473.161	-3.352
100	165	490.252	446.824	-43.427
100	88	483.266	450.534	-32.732
100	16	476.951	448.600	-28.351
100	342	479.865	456.646	-23.219
100	166	481.823	452.705	-29.117
100	244	480.532	452.090	-28.442
100	33	487.968	455.334	-32.633
100	77	488.217	459.255	-28.962
100	27	483.424	455.905	-27.520
100	255	477.498	444.480	-33.018
100	22	483.033	458.711	-24.322
100	168	484.260	451.122	-33.138
100	89	490.222	467.095	-23.127
100	233	489.982	458.708	-31.274



57.4_RT_100k_VIN3v	
Test Site	DAL-FL
Tester	ETS36409
Test Number	EB386805
Max Limit	580
Min Limit	405

krad(Si)	0	3	10	30	50	100
LL	405.000	405.000	405.000	405.000	405.000	405.000
Min	484.872	478.475	478.004	472.245	469.222	444.480
Average	484.872	482.676	481.707	478.965	475.116	459.740
Max	484.872	486.975	484.068	485.475	482.777	482.941
UL	580.000	580.000	580.000	580.000	580.000	580.000



HDR Report

5962R2021001VSC (TPS7H4002-SP)

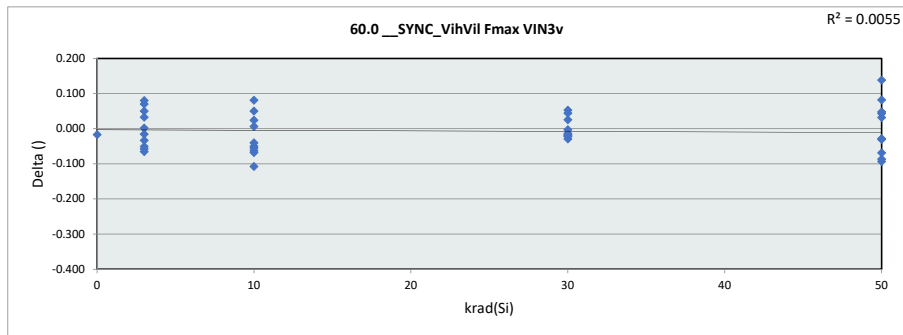
100	251	483.005	448.674	-34.331
100	31	480.595	451.882	-28.713
100	286	489.819	460.944	-28.875
100	305	481.203	450.624	-30.579
100	295	483.562	461.079	-22.483
100	205	486.070	455.543	-30.527
100	212	481.762	458.941	-22.821
100	135	489.191	464.526	-24.664
100	239u	485.464	482.409	-3.055
100	195u	481.423	480.276	-1.147
100	262u	483.785	479.013	-4.772
100	161u	481.688	478.114	-3.574
100	191u	485.926	482.940	-2.986
	Max	490.252	486.975	2.744
	Average	484.142	471.801	-12.341
	Min	476.513	444.480	-43.427
	Std Dev	3.257	12.719	12.676

HDR Report

5962R2021001VSC (TPS7H4002-SP)

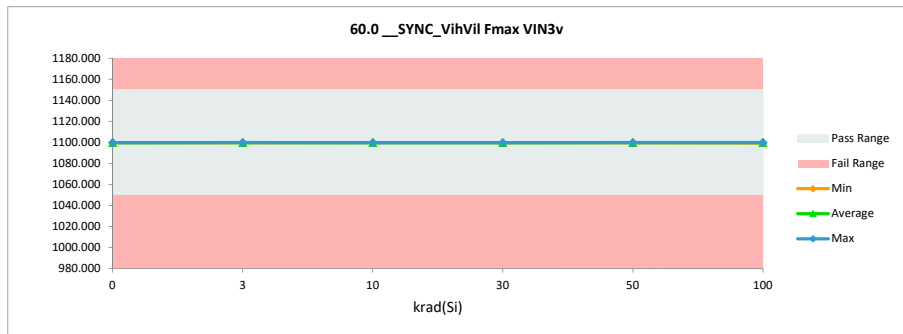
60.0 __SYNC_VihVil Fmax VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	1150	1150
Min Limit	1050	1050

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	1099.734	1099.717	-0.017
3	79	1099.774	1099.708	-0.065
3	150	1099.736	1099.738	0.002
3	159	1099.726	1099.693	-0.034
3	351	1099.759	1099.708	-0.051
3	146	1099.668	1099.719	0.050
3	132u	1099.750	1099.734	-0.016
3	357u	1099.647	1099.727	0.080
3	276u	1099.664	1099.697	0.032
3	256u	1099.757	1099.699	-0.058
3	273u	1099.708	1099.778	0.070
10	149	1099.766	1099.711	-0.055
10	122	1099.665	1099.746	0.081
10	182	1099.755	1099.692	-0.063
10	280	1099.802	1099.695	-0.108
10	314	1099.764	1099.696	-0.068
10	60u	1099.675	1099.725	0.050
10	194u	1099.714	1099.738	0.024
10	97u	1099.716	1099.722	0.006
10	264u	1099.763	1099.712	-0.050
10	284u	1099.736	1099.696	-0.040
30	9	1099.740	1099.721	-0.019
30	190	1099.692	1099.678	-0.014
30	157	1099.696	1099.693	-0.003
30	65	1099.744	1099.715	-0.029
30	102	1099.689	1099.733	0.044
30	64u	1099.699	1099.682	-0.017
30	101u	1099.668	1099.721	0.053
30	59u	1099.721	1099.699	-0.022
30	25u	1099.718	1099.743	0.025
30	287u	1099.700	1099.678	-0.022
50	332	1099.705	1099.748	0.043
50	333	1099.695	1099.727	0.032
50	259	1099.721	1099.627	-0.094
50	265	1099.715	1099.687	-0.028
50	330	1099.691	1099.738	0.048
50	40u	1099.730	1099.643	-0.087
50	335u	1099.644	1099.782	0.138
50	294u	1099.712	1099.643	-0.069
50	302u	1099.695	1099.777	0.082
50	331u	1099.643	1099.612	-0.031
100	165	1099.644	1099.730	0.086
100	88	1099.779	1099.756	-0.023
100	16	1099.752	1099.691	-0.062
100	342	1099.761	1099.935	0.175
100	166	1099.769	1099.677	-0.093
100	244	1099.664	1099.698	0.034
100	33	1099.724	1099.710	-0.013
100	77	1099.750	1099.689	-0.061
100	27	1099.768	1099.568	-0.200
100	255	1099.765	1099.566	-0.199
100	22	1099.710	1099.602	-0.108
100	168	1099.681	1099.711	0.030
100	89	1099.684	1099.783	0.099
100	233	1099.669	1099.704	0.035



60.0 __SYNC_VihVil Fmax VIN3v	
Test Site	DAL-FL
Tester	ETS36409
Test Number	EB386805
Max Limit	1150
Min Limit	1050

krad(Si)	0	3	10	30	50	100
LL	1050.000	1050.000	1050.000	1050.000	1050.000	1050.000
Min	1099.717	1099.693	1099.692	1099.678	1099.612	1099.383
Average	1099.717	1099.720	1099.713	1099.706	1099.698	1099.705
Max	1099.717	1099.778	1099.746	1099.743	1099.782	1099.935
UL	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000



HDR Report

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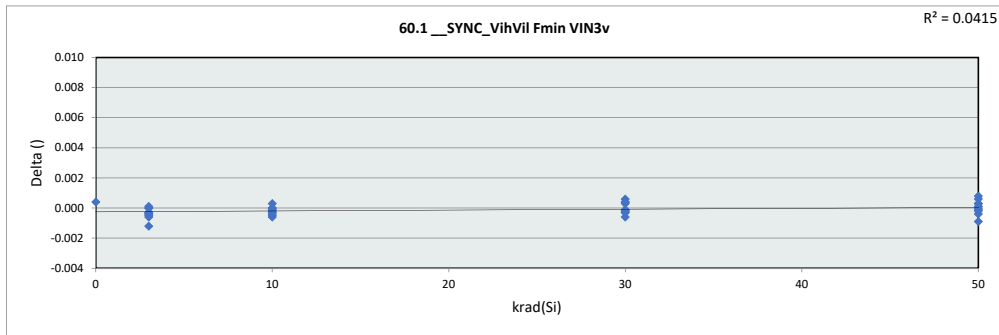
100	251	1099.668	1099.663	-0.005
100	31	1099.788	1099.733	-0.055
100	286	1099.761	1099.562	-0.199
100	305	1099.706	1099.721	0.015
100	295	1099.720	1099.682	-0.038
100	205	1099.771	1099.689	-0.082
100	212	1099.684	1099.838	0.154
100	135	1099.773	1099.818	0.045
100	239u	1099.721	1099.736	0.015
100	195u	1099.707	1099.876	0.169
100	262u	1099.726	1099.791	0.064
100	161u	1099.770	1099.715	-0.055
100	191u	1099.700	1099.383	-0.317
	Max	1099.802	1099.935	0.175
	Average	1099.719	1099.708	-0.012
	Min	1099.643	1099.383	-0.317
	Std Dev	0.040	0.074	0.085

HDR Report

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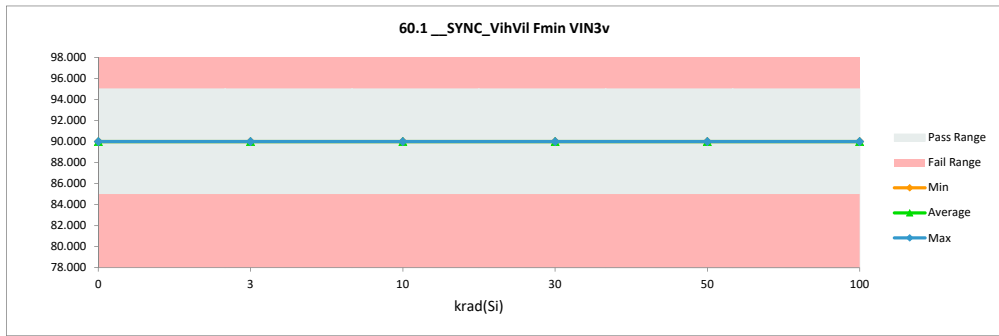
60.1 __SYNC_VihVil Fmin VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	95	95
Min Limit	85	85

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	89.998	89.998	0.000
3	79	89.998	89.998	0.000
3	150	89.998	89.998	0.000
3	159	89.998	89.998	0.000
3	351	89.998	89.998	0.000
3	146	89.999	89.997	-0.001
3	132u	89.998	89.998	-0.001
3	357u	89.998	89.998	0.000
3	276u	89.998	89.998	0.000
3	256u	89.999	89.998	0.000
3	273u	89.998	89.998	0.000
10	149	89.999	89.998	0.000
10	122	89.999	89.998	0.000
10	182	89.998	89.998	0.000
10	280	89.998	89.998	0.000
10	314	89.998	89.998	0.000
10	60u	89.998	89.998	-0.001
10	194u	89.998	89.998	0.000
10	97u	89.998	89.998	0.000
10	264u	89.998	89.998	0.000
10	284u	89.998	89.998	0.000
30	9	89.998	89.998	0.000
30	190	89.998	89.998	0.000
30	157	89.998	89.998	0.000
30	65	89.998	89.998	0.000
30	102	89.998	89.998	0.000
30	64u	89.998	89.998	0.001
30	101u	89.998	89.998	0.000
30	59u	89.998	89.998	0.000
30	25u	89.998	89.998	0.000
30	287u	89.998	89.998	-0.001
50	332	89.998	89.998	0.000
50	333	89.999	89.998	-0.001
50	259	89.998	89.998	0.000
50	265	89.998	89.998	0.000
50	330	89.998	89.998	0.000
50	40u	89.998	89.998	0.000
50	335u	89.998	89.999	0.001
50	294u	89.998	89.998	0.000
50	302u	89.998	89.999	0.001
50	331u	89.998	89.998	0.000
100	165	89.998	89.997	-0.001
100	88	89.998	89.999	0.001
100	16	89.998	89.998	0.000
100	342	89.998	89.997	-0.001
100	166	89.998	89.998	0.000
100	244	89.998	89.998	0.000
100	33	89.998	89.999	0.001
100	77	89.999	89.998	0.000
100	27	89.998	90.000	0.002
100	255	89.998	89.998	0.000
100	22	89.998	89.999	0.000
100	168	89.998	89.999	0.001
100	89	89.998	89.999	0.001
100	233	89.998	89.998	0.000



60.1 __SYNC_VihVil Fmin VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	95	
Min Limit	85	

krad(Si)	0	3	10	30	50	100
LL	85.000	85.000	85.000	85.000	85.000	85.000
Min	89.999	89.998	89.998	89.998	89.998	89.996
Average	89.999	89.998	89.998	89.998	89.998	89.998
Max	89.999	89.999	89.998	89.999	89.999	90.006
UL	95.000	95.000	95.000	95.000	95.000	95.000



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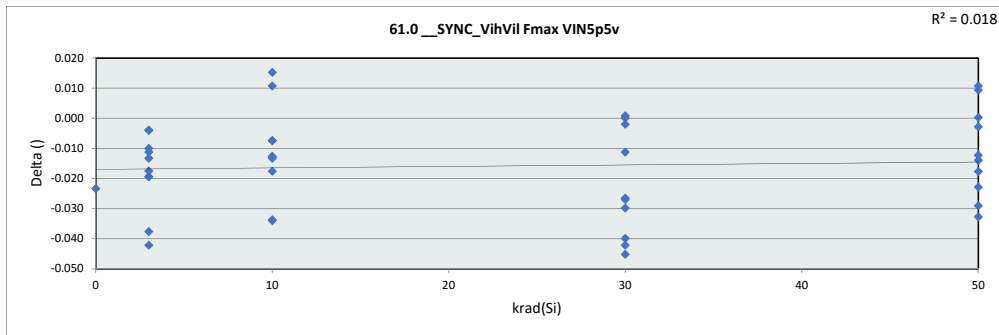
100	251	89.998	89.998	0.000
100	31	89.998	89.998	0.000
100	286	89.998	89.996	-0.002
100	305	89.998	89.999	0.000
100	295	89.998	89.997	0.000
100	205	89.998	89.999	0.001
100	212	89.998	89.998	0.000
100	135	89.998	89.999	0.001
100	239u	89.998	90.006	0.008
100	195u	89.998	89.997	-0.001
100	262u	89.998	89.998	0.000
100	161u	89.998	89.999	0.000
100	191u	89.998	89.997	-0.001
	Max	89.999	90.006	0.008
	Average	89.998	89.998	0.000
	Min	89.998	89.996	-0.002
	Std Dev	0.000	0.001	0.001

HDR Report

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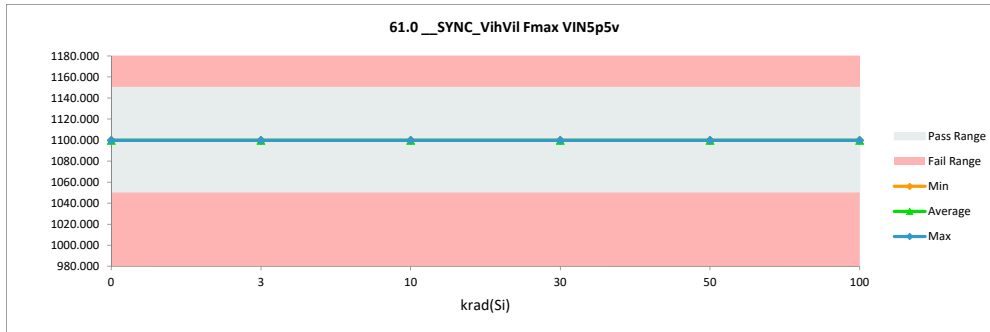
61.0 __SYNC_VihVil Fmax VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	1150	1150
Min Limit	1050	1050

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	1099.723	1099.699	-0.023
3	79	1099.728	1099.715	-0.013
3	150	1099.743	1099.701	-0.042
3	159	1099.722	1099.718	-0.004
3	351	1099.731	1099.727	-0.004
3	146	1099.738	1099.700	-0.038
3	132u	1099.739	1099.720	-0.019
3	357u	1099.738	1099.720	-0.017
3	276u	1099.724	1099.704	-0.019
3	256u	1099.722	1099.711	-0.011
3	273u	1099.713	1099.703	-0.010
10	149	1099.706	1099.717	0.011
10	122	1099.723	1099.715	-0.007
10	182	1099.722	1099.737	0.015
10	280	1099.729	1099.695	-0.034
10	314	1099.716	1099.703	-0.013
10	60u	1099.729	1099.716	-0.013
10	194u	1099.728	1099.710	-0.018
10	97u	1099.728	1099.720	-0.007
10	264u	1099.744	1099.710	-0.034
10	284u	1099.729	1099.716	-0.013
30	9	1099.716	1099.716	0.000
30	190	1099.753	1099.708	-0.045
30	157	1099.721	1099.722	0.001
30	65	1099.721	1099.719	-0.002
30	102	1099.745	1099.703	-0.042
30	64u	1099.725	1099.698	-0.027
30	101u	1099.730	1099.719	-0.011
30	59u	1099.745	1099.705	-0.040
30	25u	1099.746	1099.716	-0.030
30	287u	1099.737	1099.711	-0.026
50	332	1099.732	1099.714	-0.018
50	333	1099.734	1099.705	-0.029
50	259	1099.724	1099.701	-0.023
50	265	1099.729	1099.729	0.000
50	330	1099.709	1099.696	-0.014
50	40u	1099.725	1099.735	0.011
50	335u	1099.718	1099.715	-0.003
50	294u	1099.726	1099.735	0.009
50	302u	1099.745	1099.733	-0.012
50	331u	1099.739	1099.707	-0.033
100	165	1099.718	1099.718	0.000
100	88	1099.729	1099.720	-0.009
100	16	1099.730	1099.696	-0.034
100	342	1099.728	1099.712	-0.016
100	166	1099.723	1099.712	-0.011
100	244	1099.736	1099.696	-0.040
100	33	1099.726	1099.716	-0.010
100	77	1099.720	1099.725	0.005
100	27	1099.729	1099.712	-0.017
100	255	1099.724	1099.724	0.000
100	22	1099.725	1099.714	-0.011
100	168	1099.713	1099.693	-0.019
100	89	1099.716	1099.718	0.002
100	233	1099.723	1099.704	-0.019



61.0 __SYNC_VihVil Fmax VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1150	
Min Limit	1050	

krad(Si)	0	3	10	30	50	100
LL	1050.000	1050.000	1050.000	1050.000	1050.000	1050.000
Min	1099.700	1099.701	1099.695	1099.698	1099.696	1099.693
Average	1099.700	1099.712	1099.714	1099.712	1099.717	1099.712
Max	1099.700	1099.727	1099.737	1099.722	1099.735	1099.729
UL	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000



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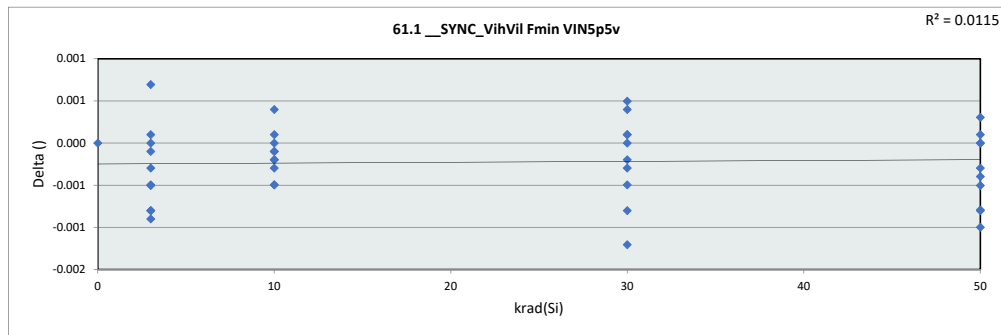
100	251	1099.739	1099.709	-0.030
100	31	1099.705	1099.712	0.006
100	286	1099.734	1099.725	-0.008
100	305	1099.715	1099.708	-0.007
100	295	1099.714	1099.716	0.002
100	205	1099.729	1099.693	-0.036
100	212	1099.731	1099.729	-0.002
100	135	1099.733	1099.714	-0.019
100	239u	1099.718	1099.704	-0.014
100	195u	1099.706	1099.720	0.014
100	262u	1099.729	1099.711	-0.018
100	161u	1099.722	1099.702	-0.020
100	191u	1099.727	1099.711	-0.016
	Max	1099.753	1099.737	0.015
	Average	1099.727	1099.713	-0.014
	Min	1099.705	1099.693	-0.045
	Std Dev	0.010	0.010	0.015

HDR Report

5962R2021001VSC (TPS7H4002-SP)

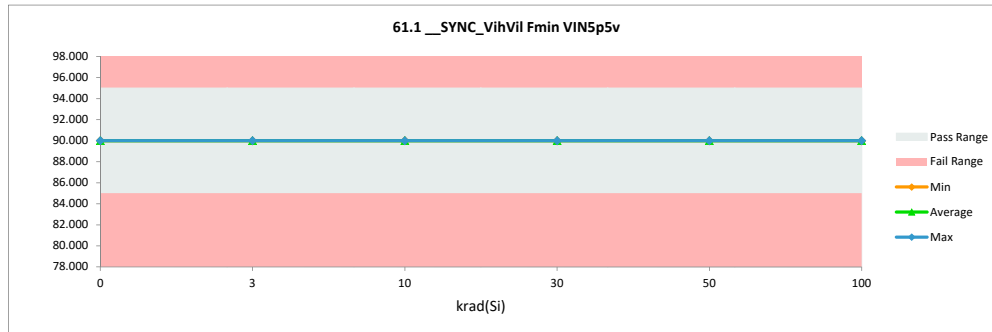
61.1 __SYNC_VihVil Fmin VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	95	95
Min Limit	85	85

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	89.998	89.998	0.000
3	79	89.998	89.998	0.001
3	150	89.998	89.998	0.000
3	159	89.998	89.998	0.000
3	351	89.998	89.998	-0.001
3	146	89.998	89.998	-0.001
3	132u	89.998	89.998	0.000
3	357u	89.998	89.997	-0.001
3	276u	89.998	89.997	-0.001
3	256u	89.998	89.998	0.000
3	273u	89.998	89.998	0.000
10	149	89.998	89.998	0.000
10	122	89.998	89.998	0.000
10	182	89.998	89.998	0.000
10	280	89.998	89.998	0.000
10	314	89.998	89.998	0.000
10	60u	89.998	89.998	0.000
10	194u	89.998	89.998	0.000
10	97u	89.998	89.998	0.000
10	264u	89.998	89.998	0.000
10	284u	89.998	89.998	0.000
30	9	89.998	89.999	0.000
30	190	89.998	89.998	0.000
30	157	89.999	89.998	-0.001
30	65	89.998	89.998	0.000
30	102	89.998	89.998	0.000
30	64u	89.998	89.998	0.000
30	101u	89.999	89.998	-0.001
30	59u	89.998	89.998	0.000
30	25u	89.998	89.998	0.000
30	287u	89.999	89.999	0.000
50	332	89.999	89.998	0.000
50	333	89.998	89.998	0.000
50	259	89.998	89.997	-0.001
50	265	89.997	89.998	0.000
50	330	89.999	89.998	-0.001
50	40u	89.998	89.997	-0.001
50	335u	89.998	89.998	0.000
50	294u	89.998	89.997	-0.001
50	302u	89.998	89.998	0.000
50	331u	89.998	89.998	0.000
100	165	89.998	89.998	-0.001
100	88	89.998	89.997	-0.001
100	16	89.998	89.998	0.000
100	342	89.998	89.998	0.000
100	166	89.998	89.998	0.000
100	244	89.998	89.998	0.000
100	33	89.998	89.998	-0.001
100	77	89.998	89.998	0.000
100	27	89.999	89.998	0.000
100	255	89.998	89.998	0.000
100	22	89.998	89.998	0.000
100	168	89.998	89.998	0.000
100	89	89.998	89.998	0.000
100	233	89.998	89.998	0.000



61.1 __SYNC_VihVil Fmin VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	95	
Min Limit	85	

krad(Si)	0	3	10	30	50	100
LL	85.000	85.000	85.000	85.000	85.000	85.000
Min	89.998	89.998	89.998	89.998	89.997	89.998
Average	89.998	89.998	89.998	89.998	89.998	89.998
Max	89.998	89.998	89.998	89.999	89.998	89.999
UL	95.000	95.000	95.000	95.000	95.000	95.000



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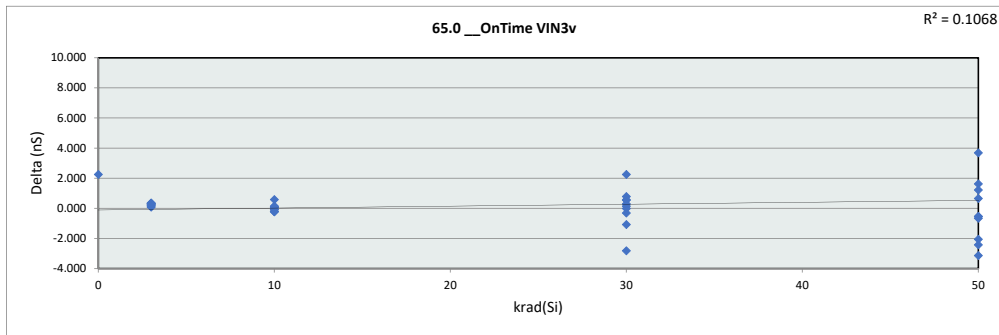
100	251	89.998	89.998	0.000
100	31	89.998	89.998	0.000
100	286	89.998	89.998	0.000
100	305	89.998	89.998	0.000
100	295	89.998	89.998	0.000
100	205	89.998	89.998	0.000
100	212	89.998	89.998	0.000
100	135	89.998	89.997	-0.001
100	239u	89.998	89.998	0.000
100	195u	89.998	89.998	0.000
100	262u	89.998	89.998	0.000
100	161u	89.998	89.998	0.000
100	191u	89.998	89.998	0.000
	Max	89.999	89.999	0.001
	Average	89.998	89.998	0.000
	Min	89.997	89.997	-0.001
	Std Dev	0.000	0.000	0.000

HDR Report

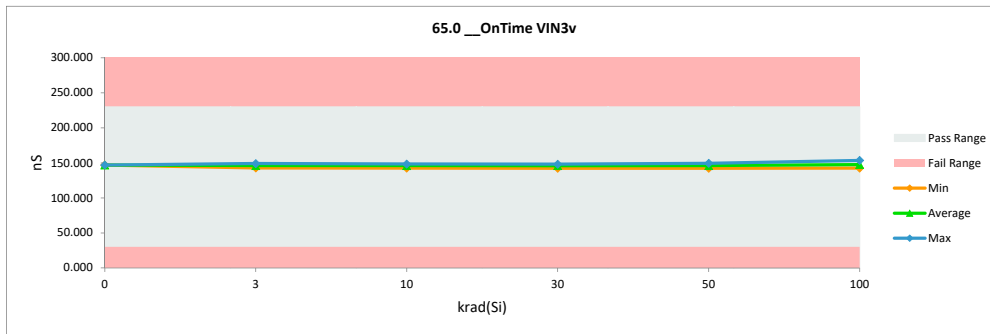
5962R2021001VSC (TPS7H4002-SP)

65.0 __OnTime VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	nS	nS
Max Limit	230	230
Min Limit	30	30

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	144.601	146.848	2.246
3	79	145.725	146.051	0.326
3	150	147.979	148.198	0.219
3	159	146.096	146.382	0.286
3	351	144.964	145.252	0.288
3	146	147.491	147.691	0.200
3	132u	142.421	142.742	0.321
3	357u	144.342	144.703	0.361
3	276u	144.876	144.967	0.092
3	256u	144.534	144.623	0.089
3	273u	148.758	148.991	0.233
10	149	146.181	146.226	0.045
10	122	147.162	147.289	0.127
10	182	144.852	144.996	0.144
10	280	147.523	147.576	0.053
10	314	146.774	146.696	-0.078
10	60u	142.755	142.523	-0.231
10	194u	147.672	148.254	0.582
10	97u	145.147	144.950	-0.197
10	264u	144.426	144.195	-0.231
10	284u	147.315	147.251	-0.065
30	9	142.143	142.282	0.140
30	190	146.571	147.123	0.552
30	157	145.777	146.560	0.784
30	65	147.179	146.871	-0.309
30	102	146.464	146.455	-0.010
30	64u	146.707	147.000	0.293
30	101u	147.534	148.091	0.557
30	59u	144.398	146.647	2.248
30	25u	146.596	145.517	-1.079
30	287u	145.602	142.783	-2.818
50	332	145.436	144.773	-0.663
50	333	144.264	142.209	-2.054
50	259	147.430	144.288	-3.142
50	265	143.303	146.987	3.684
50	330	145.893	147.111	1.218
50	40u	145.372	146.989	1.617
50	335u	147.520	145.092	-2.429
50	294u	147.529	146.989	-0.539
50	302u	146.842	146.296	-0.545
50	331u	148.610	149.270	0.660
100	165	147.520	147.152	-0.369
100	88	146.650	145.043	-1.607
100	16	143.900	144.863	0.963
100	342	143.895	146.171	2.277
100	166	141.832	142.493	0.661
100	244	148.755	150.885	2.130
100	33	147.117	147.988	0.872
100	77	143.920	143.955	0.036
100	27	148.018	150.799	2.781
100	255	147.139	148.752	1.612
100	22	147.281	149.821	2.540
100	168	145.083	145.794	0.711
100	89	147.767	151.126	3.359
100	233	145.940	153.557	7.616



65.0 __OnTime VIN3v						
Test Site	DAL-FL					
Tester	ETS36409					
Test Number	EB386805					
Max Limit	230 nS					
Min Limit	30 nS					
krad(Si)	0	3	10	30	50	100
LL	30.000	30.000	30.000	30.000	30.000	30.000
Min	146.848	142.742	142.523	142.282	142.209	142.494
Average	146.848	145.960	145.996	145.933	146.000	147.453
Max	146.848	148.991	148.254	148.091	149.270	153.557
UL	230.000	230.000	230.000	230.000	230.000	230.000



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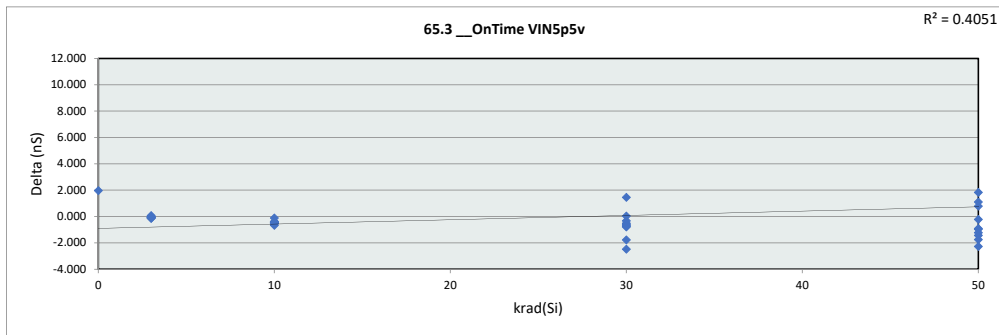
100	251	145.709	147.763	2.054
100	31	143.178	143.768	0.589
100	286	147.914	149.062	1.148
100	305	143.340	144.259	0.919
100	295	145.776	148.284	2.508
100	205	146.032	147.624	1.591
100	212	148.475	150.750	2.275
100	135	146.465	149.118	2.653
100	239u	146.799	146.641	-0.158
100	195u	145.819	145.438	-0.381
100	262u	145.943	145.791	-0.152
100	161u	147.126	146.872	-0.254
100	191u	148.131	147.465	-0.666
	Max	148.758	153.557	7.616
	Average	146.004	146.573	0.569
	Min	141.832	142.209	-3.142
	Std Dev	1.695	2.279	1.586

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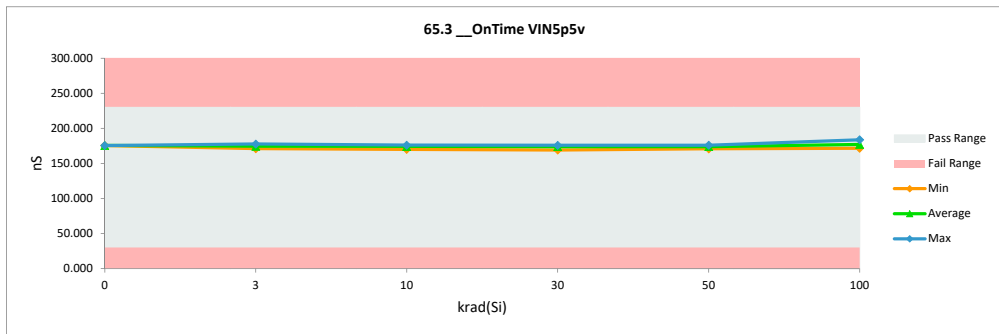
65.3 OnTime VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	nS	nS
Max Limit	230	230
Min Limit	30	30

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	173.559	175.525	1.966
3	79	174.146	174.098	-0.048
3	150	176.005	175.883	-0.123
3	159	175.806	175.757	-0.049
3	351	173.150	173.134	-0.016
3	146	177.262	177.196	-0.065
3	132u	170.996	170.965	-0.031
3	357u	173.285	173.348	0.063
3	276u	172.378	172.276	-0.102
3	256u	173.723	173.584	-0.139
3	273u	177.764	177.671	-0.093
10	149	175.032	174.518	-0.515
10	122	175.349	174.943	-0.405
10	182	175.018	174.531	-0.486
10	280	176.330	175.951	-0.378
10	314	176.114	175.687	-0.427
10	60u	170.565	170.015	-0.550
10	194u	176.181	176.068	-0.112
10	97u	173.736	173.067	-0.670
10	264u	173.796	173.303	-0.493
10	284u	174.570	174.122	-0.448
30	9	169.582	169.071	-0.512
30	190	175.571	174.884	-0.687
30	157	174.853	174.526	-0.327
30	65	176.565	175.767	-0.799
30	102	176.043	175.302	-0.741
30	64u	174.742	174.141	-0.600
30	101u	177.302	175.526	-1.776
30	59u	172.939	174.397	1.458
30	25u	174.135	174.173	0.038
30	287u	173.348	170.872	-2.476
50	332	174.736	172.455	-2.281
50	333	172.199	170.763	-1.436
50	259	175.517	173.767	-1.750
50	265	172.809	173.908	1.100
50	330	173.771	174.561	0.790
50	40u	172.795	174.625	1.830
50	335u	174.874	173.911	-0.963
50	294u	175.852	174.625	-1.226
50	302u	175.168	174.252	-0.916
50	331u	176.176	175.959	-0.217
100	165	174.874	176.471	1.597
100	88	174.561	175.854	1.292
100	16	172.289	175.363	3.073
100	342	173.240	175.754	2.514
100	166	168.726	171.538	2.812
100	244	176.406	180.568	4.162
100	33	174.035	175.920	1.884
100	77	173.717	175.222	1.505
100	27	175.394	179.813	4.419
100	255	174.801	178.986	4.185
100	22	175.278	178.639	3.361
100	168	173.855	176.005	2.150
100	89	176.704	180.831	4.127
100	233	173.034	183.734	10.699



65.3 OnTime VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	230	nS
Min Limit	30	nS

krad(Si)	0	3	10	30	50	100
LL	30.000	30.000	30.000	30.000	30.000	30.000
Min	175.526	170.965	170.015	169.071	170.763	171.538
Average	175.526	174.391	174.221	173.866	173.883	177.040
Max	175.526	177.671	176.069	175.767	175.959	183.734
UL	230.000	230.000	230.000	230.000	230.000	230.000



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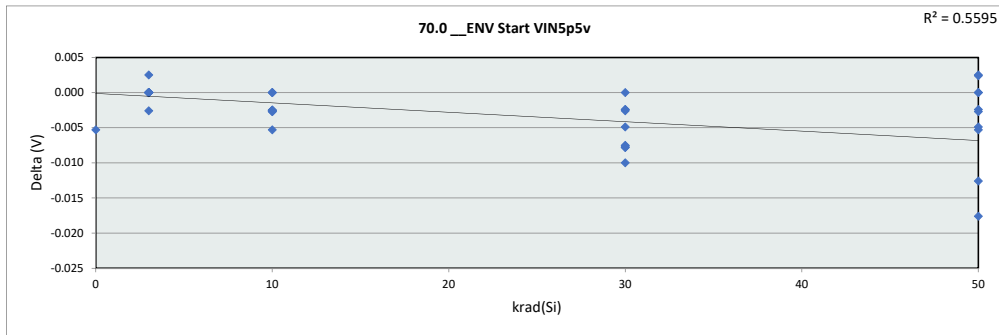
100	251	174.287	177.028	2.741
100	31	171.902	173.973	2.071
100	286	176.729	179.183	2.454
100	305	171.338	173.410	2.072
100	295	174.656	177.910	3.254
100	205	174.051	177.324	3.272
100	212	177.937	181.497	3.560
100	135	174.897	178.626	3.729
100	239u	175.192	175.695	0.503
100	195u	175.397	175.585	0.188
100	262u	175.138	174.889	-0.249
100	161u	173.922	174.265	0.344
100	191u	175.495	176.006	0.511
	Max	177.937	183.734	10.699
	Average	174.435	175.283	0.847
	Min	168.726	169.071	-2.476
	Std Dev	1.822	2.647	2.102

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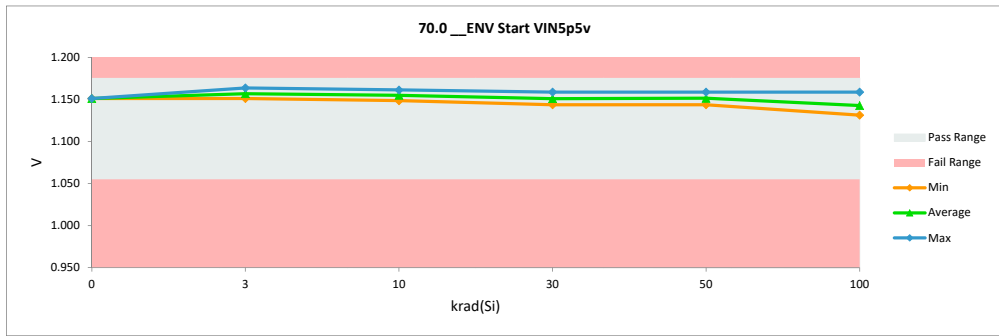
70.0 __ENV Start VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	1.175	1.175
Min Limit	1.055	1.055

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	1.156	1.151	-0.005
3	79	1.156	1.156	0.000
3	150	1.154	1.154	0.000
3	159	1.159	1.159	0.000
3	351	1.156	1.156	0.000
3	146	1.159	1.159	0.000
3	132u	1.154	1.151	-0.003
3	357u	1.156	1.156	0.000
3	276u	1.156	1.156	0.000
3	256u	1.161	1.164	0.003
3	273u	1.156	1.156	0.000
10	149	1.161	1.159	-0.002
10	122	1.156	1.151	-0.005
10	182	1.156	1.154	-0.003
10	280	1.156	1.154	-0.003
10	314	1.161	1.159	-0.002
10	60u	1.154	1.151	-0.003
10	194u	1.161	1.161	0.000
10	97u	1.151	1.149	-0.003
10	264u	1.154	1.154	0.000
10	284u	1.159	1.159	0.000
30	9	1.154	1.146	-0.008
30	190	1.151	1.146	-0.005
30	157	1.154	1.144	-0.010
30	65	1.156	1.149	-0.008
30	102	1.161	1.154	-0.008
30	64u	1.154	1.151	-0.003
30	101u	1.159	1.156	-0.002
30	59u	1.156	1.149	-0.008
30	25u	1.159	1.159	0.000
30	287u	1.159	1.156	-0.002
50	332	1.154	1.154	0.000
50	333	1.156	1.151	-0.005
50	259	1.161	1.144	-0.018
50	265	1.159	1.146	-0.013
50	330	1.149	1.144	-0.005
50	40u	1.156	1.154	-0.003
50	335u	1.156	1.159	0.002
50	294u	1.151	1.154	0.002
50	302u	1.159	1.156	-0.002
50	331u	1.154	1.154	0.000
100	165	1.156	1.139	-0.018
100	88	1.156	1.144	-0.013
100	16	1.161	1.139	-0.023
100	342	1.156	1.141	-0.015
100	166	1.154	1.139	-0.015
100	244	1.156	1.139	-0.018
100	33	1.156	1.136	-0.020
100	77	1.149	1.131	-0.017
100	27	1.156	1.136	-0.020
100	255	1.159	1.144	-0.015
100	22	1.156	1.144	-0.013
100	168	1.156	1.141	-0.015
100	89	1.156	1.141	-0.015
100	233	1.159	1.139	-0.020



70.0 __ENV Start VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1.175	V
Min Limit	1.055	V

krad(Si)	0	3	10	30	50	100
LL	1.055	1.055	1.055	1.055	1.055	1.055
Min	1.151	1.151	1.149	1.144	1.144	1.131
Average	1.151	1.157	1.155	1.151	1.151	1.143
Max	1.151	1.164	1.161	1.159	1.159	1.159
UL	1.175	1.175	1.175	1.175	1.175	1.175



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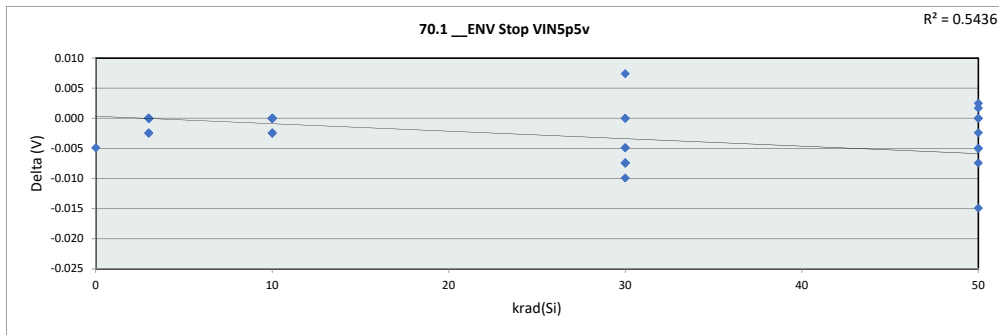
100	251	1.156	1.141	-0.015
100	31	1.156	1.139	-0.018
100	286	1.154	1.139	-0.015
100	305	1.156	1.139	-0.018
100	295	1.154	1.139	-0.015
100	205	1.159	1.144	-0.015
100	212	1.159	1.146	-0.013
100	135	1.156	1.139	-0.018
100	239u	1.161	1.159	-0.002
100	195u	1.159	1.156	-0.002
100	262u	1.156	1.154	-0.003
100	161u	1.161	1.159	-0.002
100	191u	1.156	1.154	-0.003
	Max	1.161	1.164	0.003
	Average	1.157	1.149	-0.007
	Min	1.149	1.131	-0.023
	Std Dev	0.003	0.008	0.007

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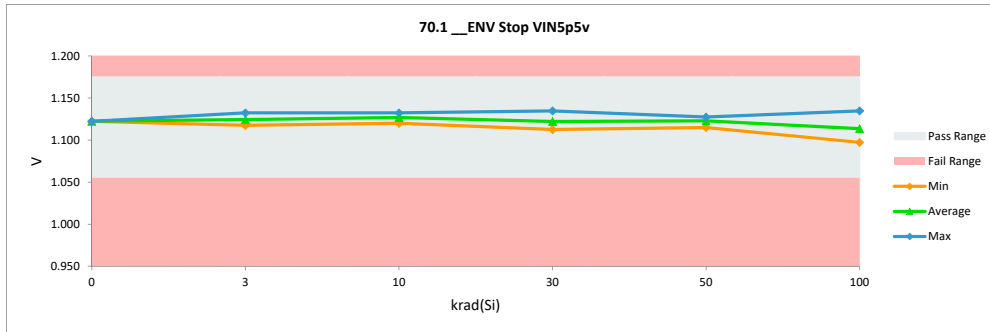
70.1 __ENV Stop VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	1.175	1.175
Min Limit	1.055	1.055

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Nr	Delta
0	c1	1.127	1.122		-0.005
3	79	1.122	1.122		0.000
3	150	1.120	1.117		-0.002
3	159	1.130	1.130		0.000
3	351	1.122	1.122		0.000
3	146	1.125	1.125		0.000
3	132u	1.117	1.117		0.000
3	357u	1.122	1.122		0.000
3	276u	1.125	1.125		0.000
3	256u	1.135	1.132		-0.002
3	273u	1.130	1.130		0.000
10	149	1.132	1.130		-0.003
10	122	1.125	1.122		-0.002
10	182	1.130	1.130		0.000
10	280	1.125	1.125		0.000
10	314	1.132	1.132		0.000
10	60u	1.127	1.127		0.000
10	194u	1.132	1.132		0.000
10	97u	1.120	1.120		0.000
10	264u	1.125	1.125		0.000
10	284u	1.125	1.125		0.000
30	9	1.127	1.120		-0.007
30	190	1.125	1.117		-0.007
30	157	1.117	1.112		-0.005
30	65	1.125	1.117		-0.007
30	102	1.137	1.130		-0.007
30	64u	1.117	1.117		0.000
30	101u	1.135	1.125		-0.010
30	59u	1.127	1.122		-0.005
30	25u	1.127	1.135		0.007
30	287u	1.125	1.125		0.000
50	332	1.125	1.125		0.000
50	333	1.125	1.122		-0.002
50	259	1.130	1.122		-0.007
50	265	1.132	1.117		-0.015
50	330	1.120	1.115		-0.005
50	40u	1.130	1.125		-0.005
50	335u	1.130	1.125		-0.005
50	294u	1.122	1.124		0.002
50	302u	1.125	1.127		0.003
50	331u	1.125	1.125		0.000
100	165	1.130	1.110		-0.020
100	88	1.125	1.112		-0.012
100	16	1.127	1.110		-0.017
100	342	1.122	1.112		-0.010
100	166	1.122	1.105		-0.018
100	244	1.125	1.110		-0.015
100	33	1.122	1.107		-0.015
100	77	1.115	1.097		-0.018
100	27	1.130	1.115		-0.015
100	255	1.127	1.112		-0.015
100	22	1.127	1.115		-0.012
100	168	1.127	1.112		-0.015
100	89	1.130	1.115		-0.015
100	233	1.125	1.110		-0.015



70.1 __ENV Stop VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1.175	V
Min Limit	1.055	V

krad(Si)	0	3	10	30	50	100
LL	1.055	1.055	1.055	1.055	1.055	1.055
Min	1.122	1.117	1.120	1.113	1.115	1.097
Average	1.122	1.124	1.127	1.122	1.123	1.114
Max	1.122	1.132	1.132	1.135	1.127	1.135
UL	1.175	1.175	1.175	1.175	1.175	1.175



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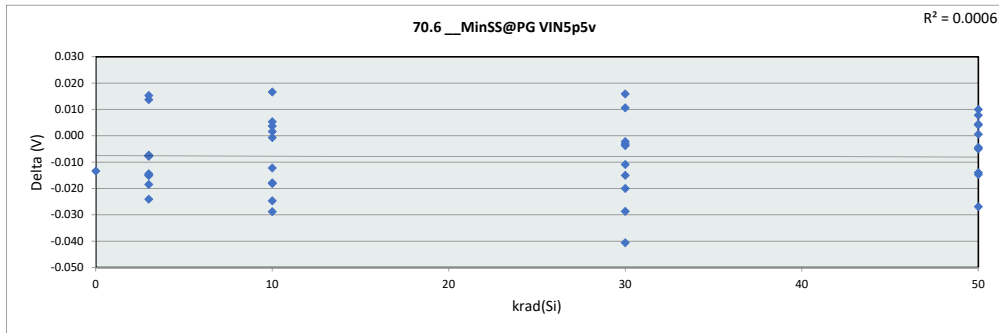
100	251	1.122	1.107	-0.015
100	31	1.127	1.115	-0.012
100	286	1.127	1.112	-0.015
100	305	1.122	1.107	-0.015
100	295	1.120	1.105	-0.015
100	205	1.130	1.112	-0.017
100	212	1.132	1.117	-0.015
100	135	1.127	1.115	-0.012
100	239u	1.127	1.125	-0.003
100	195u	1.130	1.127	-0.002
100	262u	1.122	1.122	0.000
100	161u	1.135	1.135	0.000
100	191u	1.122	1.120	-0.003
	Max	1.137	1.135	0.007
	Average	1.126	1.120	-0.006
	Min	1.115	1.097	-0.020
	Std Dev	0.005	0.008	0.007

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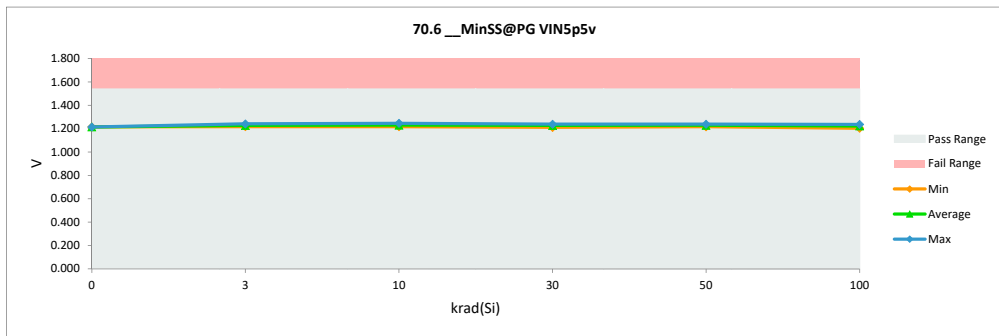
70.6 __MinSS@PG VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	1.54	1.54
Min Limit	0	0

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	1.228	1.215	-0.013
3	79	1.227	1.241	0.014
3	150	1.238	1.231	-0.007
3	159	1.246	1.222	-0.024
3	351	1.237	1.222	-0.015
3	146	1.240	1.226	-0.014
3	132u	1.220	1.235	0.015
3	357u	1.227	1.220	-0.007
3	276u	1.232	1.217	-0.015
3	256u	1.248	1.240	-0.008
3	273u	1.240	1.222	-0.018
10	149	1.242	1.218	-0.025
10	122	1.230	1.246	0.017
10	182	1.240	1.222	-0.018
10	280	1.237	1.237	-0.001
10	314	1.250	1.221	-0.029
10	60u	1.244	1.225	-0.018
10	194u	1.224	1.230	0.005
10	97u	1.244	1.232	-0.012
10	264u	1.235	1.236	0.002
10	284u	1.233	1.237	0.004
30	9	1.220	1.236	0.016
30	190	1.233	1.230	-0.003
30	157	1.233	1.222	-0.011
30	65	1.244	1.215	-0.029
30	102	1.225	1.236	0.011
30	64u	1.247	1.227	-0.020
30	101u	1.234	1.231	-0.002
30	59u	1.240	1.225	-0.015
30	25u	1.242	1.238	-0.004
30	287u	1.251	1.211	-0.041
50	332	1.235	1.230	-0.004
50	333	1.250	1.236	-0.014
50	259	1.241	1.226	-0.015
50	265	1.244	1.217	-0.027
50	330	1.215	1.223	0.008
50	40u	1.239	1.234	-0.005
50	335u	1.235	1.239	0.004
50	294u	1.224	1.234	0.010
50	302u	1.220	1.220	0.001
50	331u	1.223	1.228	0.004
100	165	1.235	1.222	-0.012
100	88	1.214	1.221	0.007
100	16	1.227	1.223	-0.004
100	342	1.236	1.216	-0.020
100	166	1.228	1.227	-0.001
100	244	1.230	1.223	-0.007
100	33	1.247	1.211	-0.036
100	77	1.227	1.226	-0.001
100	27	1.233	1.204	-0.029
100	255	1.227	1.229	0.002
100	22	1.228	1.211	-0.017
100	168	1.232	1.225	-0.007
100	89	1.235	1.228	-0.007
100	233	1.235	1.227	-0.008



70.6 __MinSS@PG VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1.54	V
Min Limit	0	V

krad(Si)	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	1.215	1.217	1.218	1.211	1.217	1.204
Average	1.215	1.228	1.230	1.227	1.229	1.222
Max	1.215	1.241	1.246	1.238	1.239	1.236
UL	1.540	1.540	1.540	1.540	1.540	1.540



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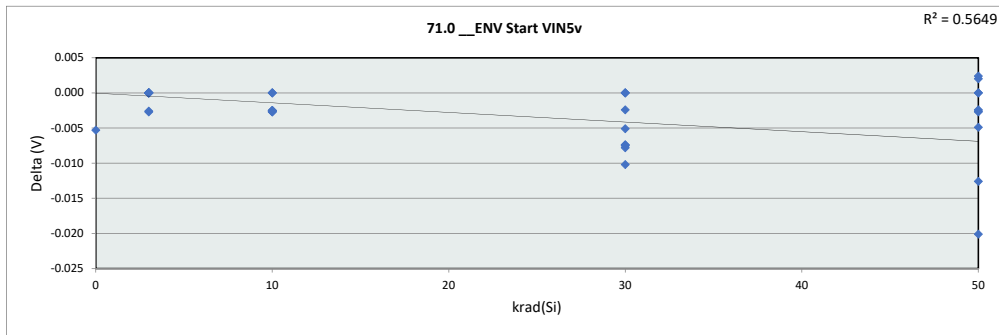
100	251	1.228	1.221	-0.007
100	31	1.249	1.231	-0.018
100	286	1.250	1.221	-0.029
100	305	1.212	1.231	0.019
100	295	1.240	1.216	-0.024
100	205	1.220	1.226	0.006
100	212	1.235	1.207	-0.027
100	135	1.212	1.229	0.017
100	239u	1.246	1.236	-0.009
100	195u	1.212	1.219	0.007
100	262u	1.247	1.218	-0.029
100	161u	1.242	1.216	-0.026
100	191u	1.222	1.236	0.014
	Max	1.251	1.246	0.019
	Average	1.234	1.226	-0.008
	Min	1.212	1.204	-0.041
	Std Dev	0.010	0.009	0.014

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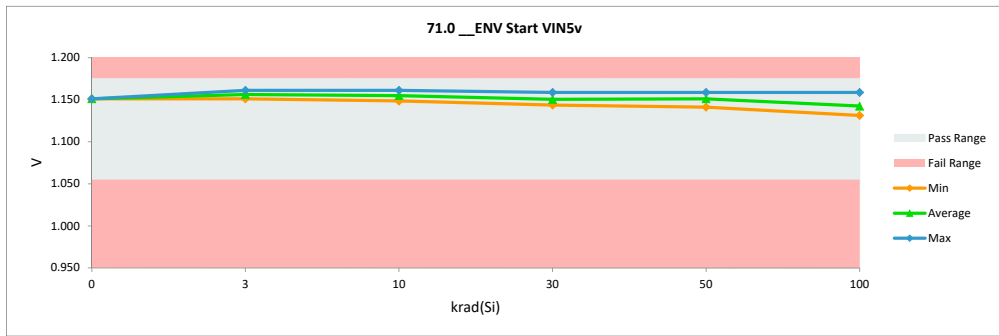
71.0 __ENV Start VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	1.175	1.175
Min Limit	1.055	1.055

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	1.156	1.151	-0.005
3	79	1.156	1.154	-0.003
3	150	1.154	1.154	0.000
3	159	1.159	1.159	0.000
3	351	1.156	1.156	0.000
3	146	1.159	1.159	0.000
3	132u	1.154	1.151	-0.003
3	357u	1.156	1.156	0.000
3	276u	1.156	1.156	0.000
3	256u	1.161	1.161	0.000
3	273u	1.156	1.156	0.000
10	149	1.161	1.159	-0.002
10	122	1.154	1.151	-0.003
10	182	1.156	1.154	-0.003
10	280	1.156	1.154	-0.003
10	314	1.161	1.159	-0.002
10	60u	1.154	1.151	-0.003
10	194u	1.161	1.161	0.000
10	97u	1.151	1.149	-0.003
10	264u	1.154	1.154	0.000
10	284u	1.159	1.159	0.000
30	9	1.154	1.146	-0.008
30	190	1.151	1.144	-0.007
30	157	1.151	1.144	-0.007
30	65	1.156	1.146	-0.010
30	102	1.159	1.154	-0.005
30	64u	1.151	1.151	0.000
30	101u	1.159	1.156	-0.002
30	59u	1.156	1.149	-0.008
30	25u	1.159	1.159	0.000
30	287u	1.156	1.156	0.000
50	332	1.154	1.154	0.000
50	333	1.154	1.151	-0.003
50	259	1.161	1.141	-0.020
50	265	1.159	1.146	-0.013
50	330	1.149	1.144	-0.005
50	40u	1.156	1.154	-0.003
50	335u	1.156	1.159	0.002
50	294u	1.151	1.153	0.002
50	302u	1.159	1.156	-0.002
50	331u	1.154	1.154	0.000
100	165	1.156	1.136	-0.020
100	88	1.154	1.144	-0.010
100	16	1.161	1.139	-0.023
100	342	1.156	1.141	-0.015
100	166	1.154	1.139	-0.015
100	244	1.156	1.139	-0.018
100	33	1.156	1.136	-0.020
100	77	1.149	1.131	-0.017
100	27	1.156	1.136	-0.020
100	255	1.159	1.144	-0.015
100	22	1.156	1.144	-0.013
100	168	1.156	1.141	-0.015
100	89	1.156	1.141	-0.015
100	233	1.159	1.139	-0.020



71.0 __ENV Start VIN5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1.175	V
Min Limit	1.055	V

krad(Si)	0	3	10	30	50	100
LL	1.055	1.055	1.055	1.055	1.055	1.055
Min	1.151	1.151	1.149	1.144	1.141	1.131
Average	1.151	1.156	1.155	1.150	1.151	1.143
Max	1.151	1.161	1.161	1.159	1.159	1.159
UL	1.175	1.175	1.175	1.175	1.175	1.175



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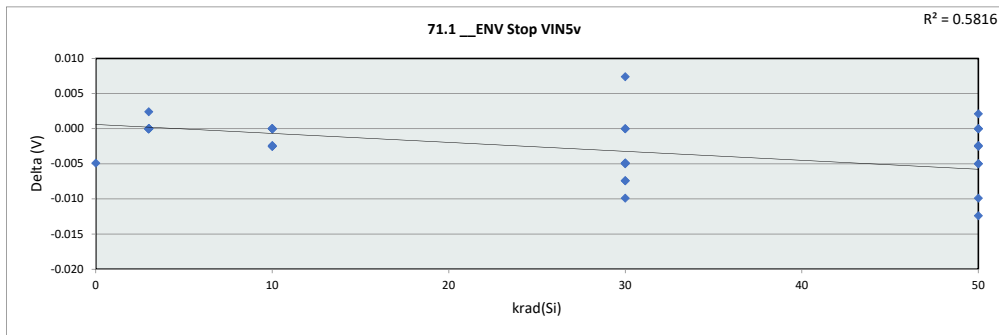
100	251	1.156	1.139	-0.018
100	31	1.156	1.139	-0.018
100	286	1.154	1.139	-0.015
100	305	1.156	1.139	-0.018
100	295	1.154	1.139	-0.015
100	205	1.159	1.144	-0.015
100	212	1.159	1.146	-0.013
100	135	1.156	1.139	-0.018
100	239u	1.161	1.156	-0.005
100	195u	1.159	1.156	-0.002
100	262u	1.156	1.154	-0.003
100	161u	1.161	1.159	-0.002
100	191u	1.156	1.151	-0.005
	Max	1.161	1.161	0.002
	Average	1.156	1.149	-0.007
	Min	1.149	1.131	-0.023
	Std Dev	0.003	0.008	0.007

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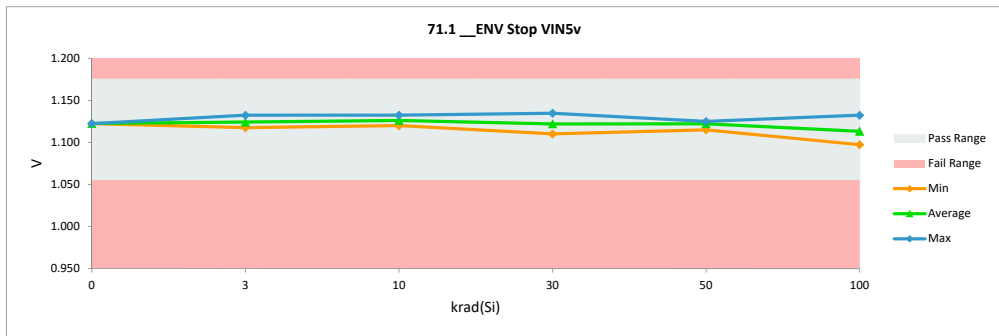
71.1 __ENV Stop VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	1.175	1.175
Min Limit	1.055	1.055

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	1.127	1.122	-0.005
3	79	1.122	1.122	0.000
3	150	1.117	1.117	0.000
3	159	1.130	1.130	0.000
3	351	1.122	1.122	0.000
3	146	1.125	1.125	0.000
3	132u	1.117	1.117	0.000
3	357u	1.120	1.120	0.000
3	276u	1.122	1.125	0.002
3	256u	1.132	1.132	0.000
3	273u	1.130	1.130	0.000
10	149	1.132	1.130	-0.003
10	122	1.122	1.122	0.000
10	182	1.130	1.127	-0.002
10	280	1.125	1.125	0.000
10	314	1.132	1.130	-0.003
10	60u	1.127	1.127	0.000
10	194u	1.132	1.132	0.000
10	97u	1.120	1.120	0.000
10	264u	1.125	1.122	-0.002
10	284u	1.125	1.125	0.000
30	9	1.125	1.120	-0.005
30	190	1.122	1.117	-0.005
30	157	1.117	1.110	-0.007
30	65	1.125	1.117	-0.007
30	102	1.135	1.130	-0.005
30	64u	1.117	1.117	0.000
30	101u	1.135	1.125	-0.010
30	59u	1.127	1.122	-0.005
30	25u	1.127	1.135	0.007
30	287u	1.125	1.125	0.000
50	332	1.122	1.122	0.000
50	333	1.125	1.122	-0.002
50	259	1.130	1.120	-0.010
50	265	1.130	1.117	-0.012
50	330	1.120	1.115	-0.005
50	40u	1.130	1.125	-0.005
50	335u	1.127	1.125	-0.003
50	294u	1.122	1.125	0.002
50	302u	1.125	1.125	0.000
50	331u	1.125	1.125	0.000
100	165	1.127	1.110	-0.017
100	88	1.125	1.110	-0.015
100	16	1.127	1.110	-0.017
100	342	1.122	1.112	-0.010
100	166	1.122	1.105	-0.018
100	244	1.125	1.107	-0.017
100	33	1.122	1.107	-0.015
100	77	1.115	1.097	-0.018
100	27	1.130	1.115	-0.015
100	255	1.127	1.112	-0.015
100	22	1.127	1.115	-0.012
100	168	1.127	1.112	-0.015
100	89	1.127	1.115	-0.012
100	233	1.125	1.110	-0.015



71.1 __ENV Stop VIN5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1.175	V
Min Limit	1.055	V

krad(Si)	0	3	10	30	50	100
LL	1.055	1.055	1.055	1.055	1.055	1.055
Min	1.122	1.117	1.120	1.110	1.115	1.097
Average	1.122	1.124	1.126	1.122	1.122	1.113
Max	1.122	1.132	1.132	1.135	1.125	1.132
UL	1.175	1.175	1.175	1.175	1.175	1.175



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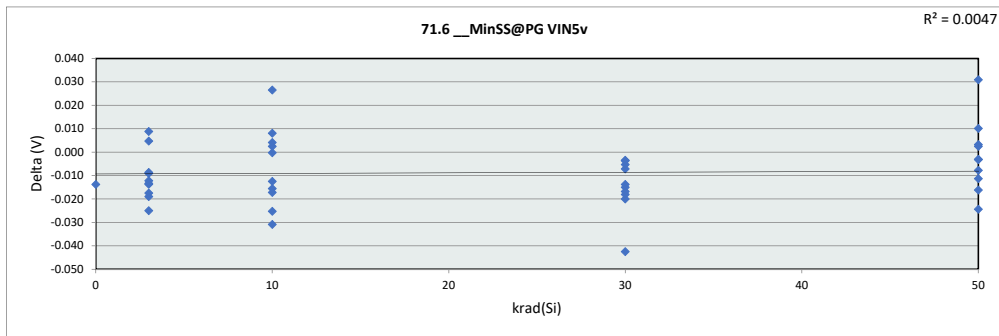
100	251	1.122	1.107	-0.015
100	31	1.127	1.115	-0.012
100	286	1.127	1.112	-0.015
100	305	1.122	1.107	-0.015
100	295	1.120	1.105	-0.015
100	205	1.130	1.112	-0.017
100	212	1.132	1.117	-0.015
100	135	1.127	1.115	-0.012
100	239u	1.125	1.122	-0.002
100	195u	1.130	1.127	-0.002
100	262u	1.122	1.122	0.000
100	161u	1.135	1.132	-0.002
100	191u	1.122	1.120	-0.003
	Max	1.135	1.135	0.007
	Average	1.126	1.119	-0.006
	Min	1.115	1.097	-0.018
	Std Dev	0.004	0.008	0.007

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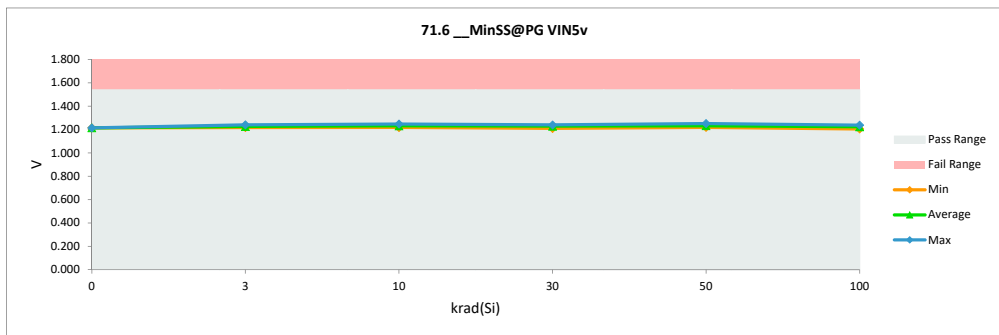
71.6 __MinSS@PG VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	1.54	1.54
Min Limit	0	0

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	1.228	1.214	-0.014
3	79	1.224	1.233	0.009
3	150	1.239	1.230	-0.009
3	159	1.245	1.220	-0.025
3	351	1.236	1.218	-0.018
3	146	1.240	1.228	-0.012
3	132u	1.235	1.240	0.005
3	357u	1.226	1.217	-0.009
3	276u	1.232	1.218	-0.013
3	256u	1.247	1.233	-0.014
3	273u	1.239	1.220	-0.019
10	149	1.243	1.217	-0.025
10	122	1.220	1.247	0.027
10	182	1.238	1.221	-0.017
10	280	1.237	1.245	0.008
10	314	1.250	1.219	-0.031
10	60u	1.241	1.228	-0.013
10	194u	1.225	1.228	0.003
10	97u	1.246	1.230	-0.016
10	264u	1.236	1.235	0.000
10	284u	1.234	1.238	0.004
30	9	1.255	1.235	-0.020
30	190	1.239	1.221	-0.018
30	157	1.231	1.224	-0.007
30	65	1.243	1.238	-0.005
30	102	1.245	1.232	-0.014
30	64u	1.244	1.227	-0.017
30	101u	1.235	1.231	-0.004
30	59u	1.240	1.224	-0.015
30	25u	1.243	1.239	-0.003
30	287u	1.251	1.209	-0.043
50	332	1.235	1.232	-0.003
50	333	1.248	1.236	-0.011
50	259	1.242	1.218	-0.024
50	265	1.242	1.225	-0.016
50	330	1.228	1.220	-0.008
50	40u	1.237	1.234	-0.003
50	335u	1.235	1.238	0.002
50	294u	1.224	1.235	0.010
50	302u	1.220	1.251	0.031
50	331u	1.224	1.227	0.003
100	165	1.235	1.219	-0.017
100	88	1.212	1.222	0.011
100	16	1.230	1.223	-0.007
100	342	1.235	1.217	-0.018
100	166	1.227	1.227	0.000
100	244	1.228	1.223	-0.006
100	33	1.244	1.217	-0.027
100	77	1.227	1.226	-0.001
100	27	1.233	1.236	0.004
100	255	1.229	1.230	0.002
100	22	1.227	1.210	-0.017
100	168	1.232	1.222	-0.010
100	89	1.235	1.227	-0.007
100	233	1.235	1.229	-0.006



71.6 __MinSS@PG VIN5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1.54	V
Min Limit	0	V

krad(Si)	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	1.214	1.217	1.217	1.209	1.218	1.204
Average	1.214	1.226	1.231	1.228	1.232	1.222
Max	1.214	1.240	1.247	1.239	1.251	1.237
UL	1.540	1.540	1.540	1.540	1.540	1.540



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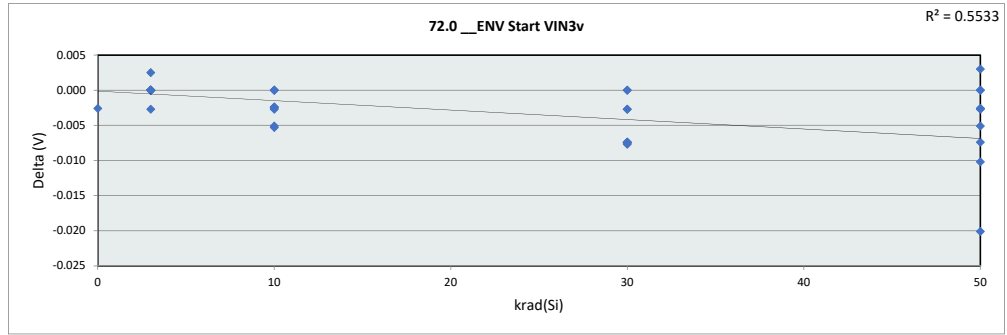
100	251	1.226	1.220	-0.007
100	31	1.215	1.232	0.017
100	286	1.252	1.220	-0.032
100	305	1.212	1.229	0.016
100	295	1.239	1.214	-0.025
100	205	1.217	1.204	-0.013
100	212	1.234	1.205	-0.029
100	135	1.213	1.226	0.013
100	239u	1.248	1.235	-0.013
100	195u	1.215	1.221	0.005
100	262u	1.246	1.220	-0.026
100	161u	1.240	1.214	-0.025
100	191u	1.224	1.237	0.014
	Max	1.255	1.251	0.031
	Average	1.234	1.226	-0.008
	Min	1.212	1.204	-0.043
	Std Dev	0.010	0.010	0.014

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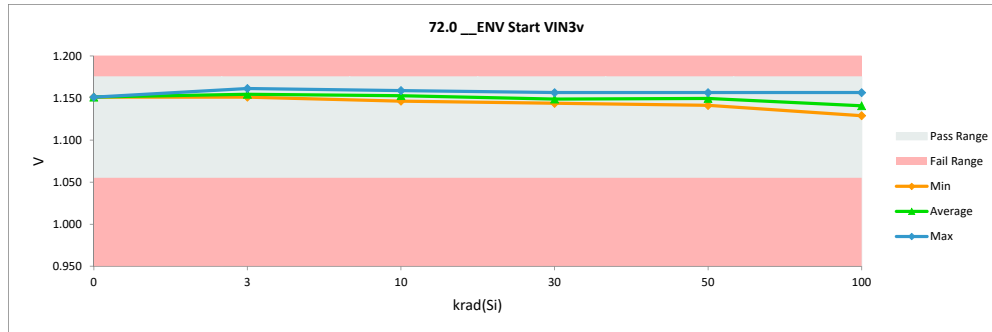
72.0 __ENV Start VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	1.175	1.175
Min Limit	1.055	1.055

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	1.154	1.151	-0.003
3	79	1.154	1.154	0.000
3	150	1.151	1.151	0.000
3	159	1.156	1.156	0.000
3	351	1.154	1.154	0.000
3	146	1.156	1.156	0.000
3	132u	1.151	1.151	0.000
3	357u	1.154	1.154	0.000
3	276u	1.156	1.154	-0.003
3	256u	1.159	1.161	0.002
3	273u	1.154	1.154	0.000
10	149	1.159	1.156	-0.002
10	122	1.154	1.149	-0.005
10	182	1.156	1.154	-0.003
10	280	1.156	1.151	-0.005
10	314	1.159	1.156	-0.002
10	60u	1.151	1.149	-0.003
10	194u	1.159	1.159	0.000
10	97u	1.149	1.146	-0.002
10	264u	1.151	1.151	0.000
10	284u	1.156	1.156	0.000
30	9	1.151	1.144	-0.007
30	190	1.151	1.144	-0.007
30	157	1.151	1.144	-0.007
30	65	1.154	1.146	-0.008
30	102	1.159	1.151	-0.008
30	64u	1.149	1.149	0.000
30	101u	1.156	1.154	-0.003
30	59u	1.154	1.146	-0.008
30	25u	1.156	1.156	0.000
30	287u	1.156	1.154	-0.003
50	332	1.151	1.151	0.000
50	333	1.154	1.149	-0.005
50	259	1.161	1.141	-0.020
50	265	1.156	1.146	-0.010
50	330	1.149	1.141	-0.007
50	40u	1.154	1.151	-0.003
50	335u	1.156	1.156	0.000
50	294u	1.151	1.154	0.003
50	302u	1.156	1.154	-0.003
50	331u	1.154	1.151	-0.003
100	165	1.156	1.134	-0.023
100	88	1.154	1.141	-0.013
100	16	1.159	1.136	-0.023
100	342	1.154	1.141	-0.013
100	166	1.151	1.136	-0.015
100	244	1.156	1.136	-0.020
100	33	1.154	1.136	-0.017
100	77	1.146	1.129	-0.017
100	27	1.154	1.134	-0.020
100	255	1.156	1.141	-0.015
100	22	1.154	1.141	-0.013
100	168	1.154	1.139	-0.015
100	89	1.154	1.139	-0.015
100	233	1.156	1.136	-0.020



72.0 __ENV Start VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1.175	V
Min Limit	1.055	V

krad(Si)	0	3	10	30	50	100
LL	1.055	1.055	1.055	1.055	1.055	1.055
Min	1.151	1.151	1.146	1.144	1.141	1.129
Average	1.151	1.154	1.153	1.149	1.149	1.141
Max	1.151	1.161	1.159	1.156	1.156	1.156
UL	1.175	1.175	1.175	1.175	1.175	1.175



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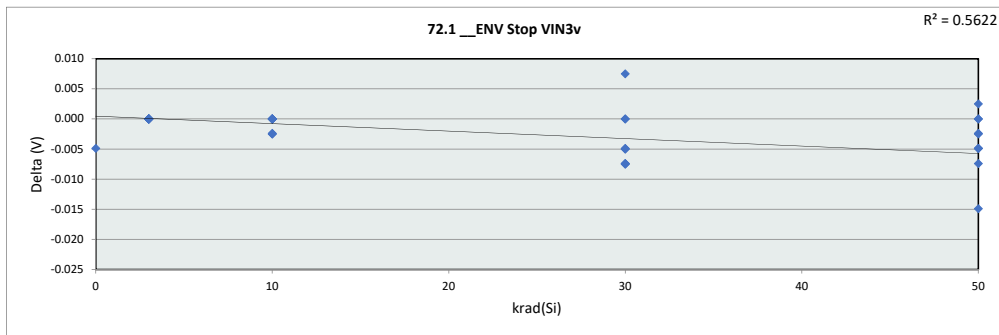
100	251	1.154	1.139	-0.015
100	31	1.154	1.136	-0.017
100	286	1.154	1.136	-0.017
100	305	1.154	1.136	-0.017
100	295	1.151	1.136	-0.015
100	205	1.156	1.141	-0.015
100	212	1.156	1.146	-0.010
100	135	1.154	1.136	-0.017
100	239u	1.159	1.156	-0.002
100	195u	1.159	1.154	-0.005
100	262u	1.154	1.154	0.000
100	161u	1.159	1.156	-0.002
100	191u	1.154	1.151	-0.003
	Max	1.161	1.161	0.003
	Average	1.154	1.147	-0.007
	Min	1.146	1.129	-0.023
	Std Dev	0.003	0.008	0.007

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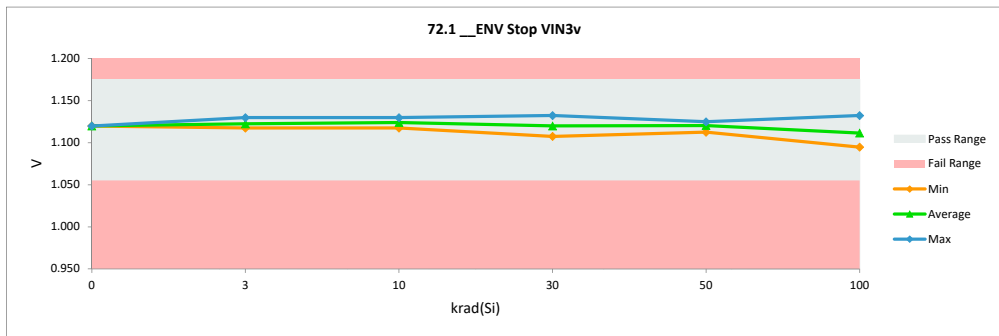
72.1 __ENV Stop VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	1.175	1.175
Min Limit	1.055	1.055

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	1.125	1.120	-0.005
3	79	1.120	1.120	0.000
3	150	1.117	1.117	0.000
3	159	1.127	1.127	0.000
3	351	1.120	1.120	0.000
3	146	1.122	1.122	0.000
3	132u	1.117	1.117	0.000
3	357u	1.120	1.120	0.000
3	276u	1.122	1.122	0.000
3	256u	1.130	1.130	0.000
3	273u	1.127	1.127	0.000
10	149	1.130	1.127	-0.002
10	122	1.122	1.122	0.000
10	182	1.127	1.127	0.000
10	280	1.125	1.122	-0.002
10	314	1.130	1.127	-0.002
10	60u	1.125	1.125	0.000
10	194u	1.130	1.130	0.000
10	97u	1.117	1.117	0.000
10	264u	1.120	1.120	0.000
10	284u	1.122	1.122	0.000
30	9	1.125	1.117	-0.007
30	190	1.120	1.115	-0.005
30	157	1.115	1.107	-0.008
30	65	1.125	1.117	-0.007
30	102	1.132	1.127	-0.005
30	64u	1.115	1.115	0.000
30	101u	1.132	1.125	-0.008
30	59u	1.125	1.120	-0.005
30	25u	1.125	1.132	0.008
30	287u	1.122	1.122	0.000
50	332	1.122	1.120	-0.003
50	333	1.122	1.122	0.000
50	259	1.127	1.120	-0.007
50	265	1.130	1.115	-0.015
50	330	1.117	1.112	-0.005
50	40u	1.127	1.122	-0.005
50	335u	1.127	1.122	-0.005
50	294u	1.120	1.122	0.003
50	302u	1.125	1.125	0.000
50	331u	1.125	1.122	-0.002
100	165	1.127	1.107	-0.020
100	88	1.122	1.110	-0.012
100	16	1.125	1.107	-0.017
100	342	1.120	1.110	-0.010
100	166	1.120	1.102	-0.018
100	244	1.122	1.107	-0.015
100	33	1.122	1.107	-0.015
100	77	1.112	1.095	-0.018
100	27	1.127	1.112	-0.015
100	255	1.125	1.112	-0.012
100	22	1.125	1.112	-0.012
100	168	1.125	1.110	-0.015
100	89	1.127	1.112	-0.015
100	233	1.122	1.110	-0.012



72.1 __ENV Stop VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1.175	V
Min Limit	1.055	V

krad(Si)	0	3	10	30	50	100
LL	1.055	1.055	1.055	1.055	1.055	1.055
Min	1.120	1.117	1.117	1.107	1.113	1.095
Average	1.120	1.122	1.124	1.120	1.120	1.111
Max	1.120	1.130	1.130	1.132	1.125	1.132
UL	1.175	1.175	1.175	1.175	1.175	1.175



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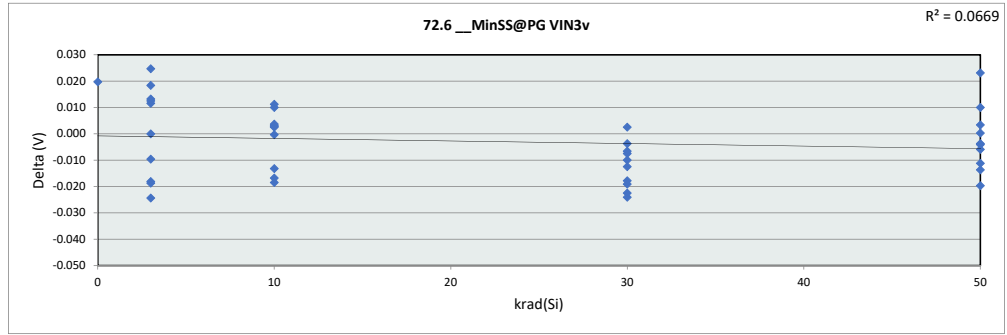
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100	251	1.120	1.107	-0.013
100	31	1.127	1.112	-0.015
100	286	1.125	1.110	-0.015
100	305	1.120	1.105	-0.015
100	295	1.117	1.102	-0.015
100	205	1.127	1.110	-0.017
100	212	1.130	1.115	-0.015
100	135	1.125	1.112	-0.012
100	239u	1.125	1.122	-0.002
100	195u	1.127	1.125	-0.003
100	262u	1.120	1.120	0.000
100	161u	1.132	1.132	0.000
100	191u	1.120	1.117	-0.002
	Max	1.132	1.132	0.008
	Average	1.124	1.118	-0.006
	Min	1.112	1.095	-0.020
	Std Dev	0.004	0.008	0.007

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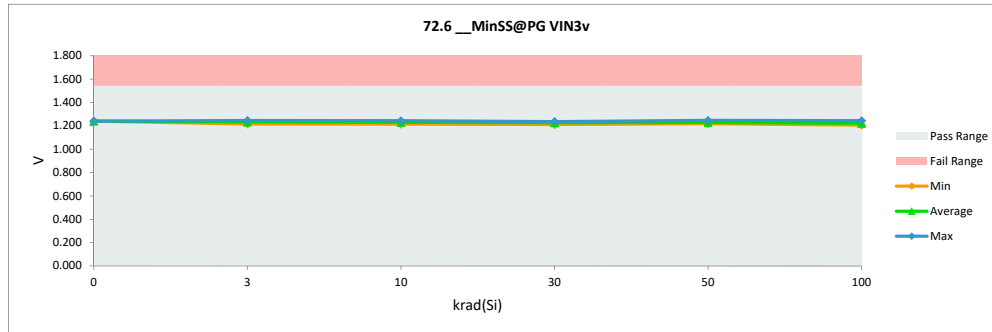
72.6 __MinSS@PG VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	1.54	1.54
Min Limit	0	0

krad(Si)	Serial #	POL3A PRE HDR	DL3A POST HDR	Delta
0	c1	1.220	1.240	0.020
3	79	1.254	1.235	-0.019
3	150	1.232	1.222	-0.010
3	159	1.240	1.215	-0.024
3	351	1.230	1.243	0.013
3	146	1.235	1.216	-0.018
3	132u	1.215	1.234	0.018
3	357u	1.216	1.241	0.025
3	276u	1.227	1.238	0.012
3	256u	1.233	1.233	0.000
3	273u	1.234	1.246	0.012
10	149	1.236	1.240	0.003
10	122	1.223	1.234	0.011
10	182	1.232	1.214	-0.018
10	280	1.232	1.235	0.003
10	314	1.241	1.243	0.002
10	60u	1.236	1.220	-0.017
10	194u	1.218	1.221	0.004
10	97u	1.237	1.224	-0.013
10	264u	1.230	1.229	0.000
10	284u	1.224	1.234	0.010
30	9	1.249	1.230	-0.019
30	190	1.233	1.223	-0.010
30	157	1.226	1.219	-0.007
30	65	1.231	1.234	0.002
30	102	1.251	1.227	-0.024
30	64u	1.240	1.222	-0.018
30	101u	1.229	1.222	-0.007
30	59u	1.233	1.210	-0.023
30	25u	1.237	1.233	-0.004
30	287u	1.249	1.236	-0.013
50	332	1.228	1.224	-0.004
50	333	1.242	1.228	-0.014
50	259	1.238	1.218	-0.020
50	265	1.234	1.223	-0.011
50	330	1.223	1.246	0.023
50	40u	1.231	1.228	-0.004
50	335u	1.231	1.231	0.000
50	294u	1.218	1.228	0.010
50	302u	1.251	1.245	-0.006
50	331u	1.217	1.220	0.003
100	165	1.231	1.211	-0.021
100	88	1.226	1.244	0.018
100	16	1.257	1.212	-0.045
100	342	1.230	1.210	-0.020
100	166	1.217	1.219	0.001
100	244	1.221	1.242	0.021
100	33	1.241	1.211	-0.029
100	77	1.219	1.216	-0.003
100	27	1.223	1.227	0.004
100	255	1.223	1.221	-0.002
100	22	1.219	1.235	0.017
100	168	1.227	1.215	-0.012
100	89	1.230	1.220	-0.009
100	233	1.227	1.220	-0.007



72.6 __MinSS@PG VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1.54	V
Min Limit	0	V

krad(Si)	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	1.240	1.216	1.214	1.210	1.218	1.206
Average	1.240	1.232	1.229	1.226	1.229	1.221
Max	1.240	1.246	1.243	1.236	1.246	1.244
UL	1.540	1.540	1.540	1.540	1.540	1.540



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100	251	1.221	1.211	-0.009
100	31	1.243	1.224	-0.019
100	286	1.247	1.211	-0.037
100	305	1.240	1.221	-0.019
100	295	1.235	1.206	-0.028
100	205	1.215	1.220	0.005
100	212	1.228	1.230	0.003
100	135	1.242	1.223	-0.019
100	239u	1.240	1.230	-0.009
100	195u	1.242	1.214	-0.028
100	262u	1.240	1.229	-0.012
100	161u	1.235	1.207	-0.028
100	191u	1.217	1.229	0.012
	Max	1.257	1.246	0.025
	Average	1.232	1.226	-0.006
	Min	1.215	1.206	-0.045
	Std Dev	0.010	0.011	0.015

B Appendix: LDR TID Report Data

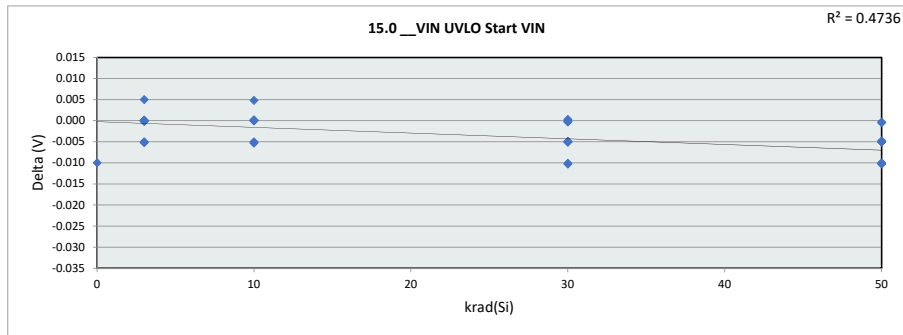
This appendix provides the TPS7H4002-SP LDR TID report data.

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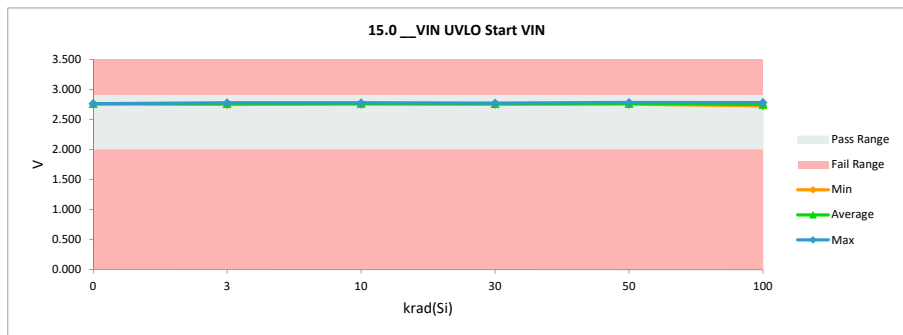
15.0 __VIN UVLO Start VIN		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	2.9	2.9
Min Limit	2	2

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	2.773	2.763	-0.010
3	48	2.753	2.758	0.005
3	49	2.763	2.763	0.000
3	51	2.768	2.763	-0.005
3	54	2.773	2.768	-0.005
3	56	2.763	2.757	-0.005
3	57u	2.773	2.773	0.000
3	58u	2.773	2.773	0.000
3	59u	2.748	2.747	0.000
3	61u	2.778	2.778	0.000
3	62u	2.767	2.767	0.000
10	65	2.767	2.767	0.000
10	67	2.773	2.767	-0.005
10	68	2.763	2.763	0.000
10	73	2.773	2.767	-0.005
10	74	2.767	2.772	0.005
10	75u	2.778	2.778	0.000
10	76u	2.753	2.753	0.000
10	77u	2.767	2.767	0.000
10	78u	2.773	2.773	0.000
10	79u	2.773	2.767	-0.005
30	81	2.773	2.763	-0.010
30	83	2.763	2.758	-0.005
30	84	2.778	2.767	-0.010
30	86	2.757	2.758	0.000
30	89	2.767	2.763	-0.005
30	94u	2.767	2.767	0.000
30	96u	2.763	2.762	0.000
30	98u	2.753	2.753	0.000
30	100u	2.773	2.767	-0.005
30	102u	2.778	2.773	-0.005
50	107	2.783	2.778	-0.005
50	108	2.778	2.767	-0.010
50	110	2.773	2.763	-0.010
50	111	2.778	2.767	-0.010
50	113	2.773	2.767	-0.005
50	114u	2.773	2.767	-0.005
50	115u	2.763	2.758	-0.005
50	118u	2.763	2.762	0.000
50	119u	2.758	2.753	-0.005
50	122u	2.783	2.782	0.000
100	125	2.772	2.757	-0.015
100	126	2.763	2.743	-0.020
100	127	2.767	2.747	-0.020
100	128	2.778	2.763	-0.015
100	129	2.757	2.742	-0.015
100	130	2.773	2.753	-0.020
100	132	2.777	2.763	-0.015
100	198	2.763	2.748	-0.015
100	199	2.773	2.753	-0.020
100	201	2.773	2.763	-0.010
100	208	2.758	2.743	-0.015
100	209	2.773	2.743	-0.030
100	210	2.773	2.758	-0.015
100	214	2.773	2.747	-0.025



15.0 __VIN UVLO Start VIN		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	2.9	V
Min Limit	2	V

krad(Si)	0	3	10	30	50	100
LL	2.000	2.000	2.000	2.000	2.000	2.000
Min	2.763	2.748	2.753	2.753	2.753	2.728
Average	2.763	2.765	2.768	2.763	2.767	2.754
Max	2.763	2.778	2.778	2.773	2.782	2.783
UL	2.900	2.900	2.900	2.900	2.900	2.900



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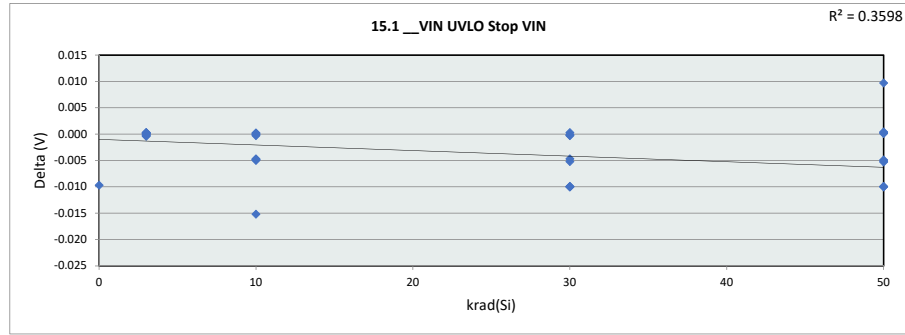
100	217	2.758	2.747	-0.010
100	218	2.758	2.747	-0.010
100	219	2.773	2.757	-0.015
100	220	2.768	2.747	-0.020
100	317	2.763	2.747	-0.015
100	318	2.773	2.753	-0.020
100	322	2.768	2.753	-0.015
100	323	2.747	2.728	-0.020
100	325u	2.773	2.773	0.000
100	327u	2.787	2.783	-0.005
100	330u	2.763	2.773	0.010
100	332u	2.763	2.758	-0.005
100	333u	2.767	2.762	-0.005
	Max	2.787	2.783	0.010
	Average	2.768	2.761	-0.007
	Min	2.747	2.728	-0.030
	Std Dev	0.008	0.011	0.008

Note: "u" denotes unbiased device

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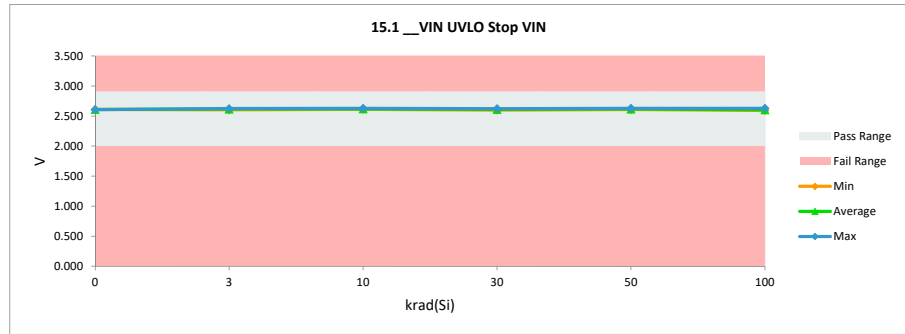
15.1 __VIN UVLO Stop VIN		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	2.9	2.9
Min Limit	2	2

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	2.618	2.608	-0.010
3	48	2.623	2.623	0.000
3	49	2.612	2.612	0.000
3	51	2.612	2.612	0.000
3	54	2.618	2.618	0.000
3	56	2.608	2.608	0.000
3	57u	2.617	2.618	0.000
3	58u	2.623	2.622	0.000
3	59u	2.603	2.602	0.000
3	61u	2.618	2.617	0.000
3	62u	2.617	2.618	0.000
10	65	2.613	2.612	0.000
10	67	2.617	2.612	-0.005
10	68	2.613	2.612	0.000
10	73	2.618	2.618	0.000
10	74	2.617	2.613	-0.005
10	75u	2.633	2.628	-0.005
10	76u	2.617	2.612	-0.005
10	77u	2.622	2.622	0.000
10	78u	2.623	2.623	0.000
10	79u	2.628	2.613	-0.015
30	81	2.618	2.608	-0.010
30	83	2.613	2.603	-0.010
30	84	2.623	2.613	-0.010
30	86	2.608	2.598	-0.010
30	89	2.612	2.613	0.000
30	94u	2.618	2.613	-0.005
30	96u	2.613	2.612	0.000
30	98u	2.613	2.608	-0.005
30	100u	2.618	2.618	0.000
30	102u	2.623	2.622	0.000
50	107	2.628	2.618	-0.010
50	108	2.622	2.618	-0.005
50	110	2.623	2.618	-0.005
50	111	2.622	2.612	-0.010
50	113	2.623	2.613	-0.010
50	114u	2.618	2.618	0.000
50	115u	2.607	2.608	0.000
50	118u	2.613	2.608	-0.005
50	119u	2.603	2.613	0.010
50	122u	2.627	2.628	0.000
100	125	2.617	2.603	-0.015
100	126	2.608	2.593	-0.015
100	127	2.612	2.598	-0.015
100	128	2.628	2.608	-0.020
100	129	2.608	2.593	-0.015
100	130	2.618	2.608	-0.010
100	132	2.623	2.608	-0.015
100	198	2.608	2.598	-0.010
100	199	2.628	2.613	-0.015
100	201	2.618	2.608	-0.010
100	208	2.603	2.592	-0.010
100	209	2.618	2.598	-0.020
100	210	2.622	2.603	-0.020
100	214	2.612	2.598	-0.015



15.1 __VIN UVLO Stop VIN		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	2.9	V
Min Limit	2	V

krad(Si)	0	3	10	30	50	100
LL	2.000	2.000	2.000	2.000	2.000	2.000
Min	2.608	2.603	2.612	2.598	2.608	2.592
Average	2.608	2.615	2.617	2.611	2.615	2.603
Max	2.608	2.623	2.628	2.622	2.628	2.628
UL	2.900	2.900	2.900	2.900	2.900	2.900



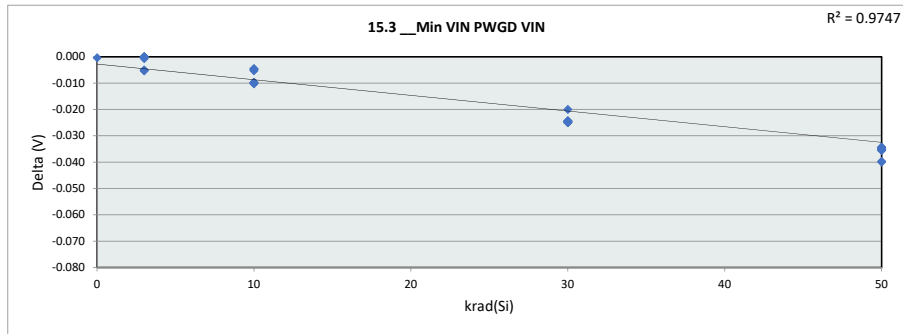
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100	217	2.608	2.592	-0.015
100	218	2.603	2.593	-0.010
100	219	2.623	2.608	-0.015
100	220	2.612	2.598	-0.015
100	317	2.608	2.598	-0.010
100	318	2.618	2.598	-0.020
100	322	2.618	2.598	-0.020
100	323	2.608	2.592	-0.016
100	325u	2.618	2.622	0.005
100	327u	2.628	2.628	0.000
100	330u	2.612	2.618	0.005
100	332u	2.612	2.608	-0.005
100	333u	2.613	2.608	-0.005
	Max	2.633	2.628	0.010
	Average	2.616	2.610	-0.007
	Min	2.603	2.592	-0.020
	Std Dev	0.007	0.010	0.007

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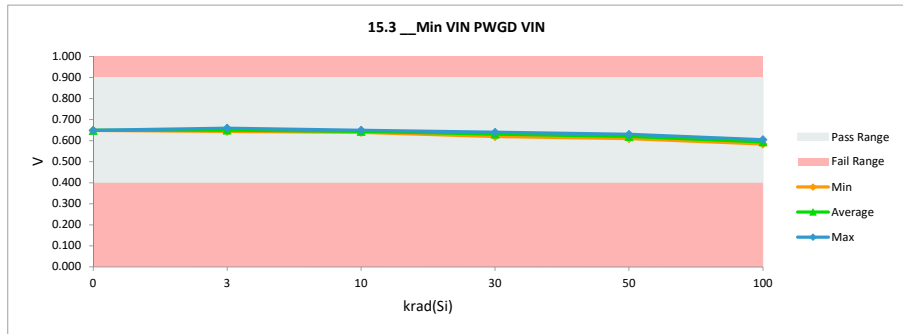
15.3 Min VIN PWGD VIN		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	0.9	0.9
Min Limit	0.4	0.4

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	0.650	0.649	0.000
3	48	0.655	0.650	-0.005
3	49	0.655	0.655	0.000
3	51	0.660	0.660	0.000
3	54	0.650	0.650	0.000
3	56	0.655	0.650	-0.005
3	57u	0.645	0.645	0.000
3	58u	0.655	0.655	0.000
3	59u	0.645	0.644	-0.001
3	61u	0.650	0.645	-0.005
3	62u	0.655	0.655	0.000
10	65	0.660	0.650	-0.010
10	67	0.650	0.640	-0.010
10	68	0.645	0.640	-0.005
10	73	0.649	0.645	-0.005
10	74	0.650	0.645	-0.005
10	75u	0.655	0.645	-0.010
10	76u	0.649	0.645	-0.005
10	77u	0.655	0.645	-0.010
10	78u	0.660	0.650	-0.010
10	79u	0.645	0.640	-0.005
30	81	0.660	0.635	-0.025
30	83	0.664	0.640	-0.024
30	84	0.664	0.640	-0.024
30	86	0.650	0.625	-0.025
30	89	0.650	0.625	-0.025
30	94u	0.650	0.625	-0.025
30	96u	0.645	0.620	-0.025
30	98u	0.650	0.625	-0.025
30	100u	0.664	0.640	-0.025
30	102u	0.660	0.640	-0.020
50	107	0.660	0.625	-0.035
50	108	0.660	0.625	-0.035
50	110	0.650	0.615	-0.034
50	111	0.660	0.624	-0.036
50	113	0.649	0.615	-0.034
50	114u	0.660	0.625	-0.035
50	115u	0.660	0.625	-0.035
50	118u	0.650	0.610	-0.040
50	119u	0.650	0.610	-0.040
50	122u	0.665	0.630	-0.035
100	125	0.660	0.600	-0.060
100	126	0.660	0.600	-0.060
100	127	0.655	0.600	-0.055
100	128	0.655	0.600	-0.055
100	129	0.655	0.595	-0.060
100	130	0.660	0.595	-0.065
100	132	0.660	0.595	-0.065
100	198	0.650	0.595	-0.055
100	199	0.655	0.595	-0.061
100	201	0.660	0.600	-0.060
100	208	0.645	0.585	-0.060
100	209	0.664	0.590	-0.075
100	210	0.660	0.600	-0.060
100	214	0.660	0.600	-0.060



15.3 Min VIN PWGD VIN		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	0.9	V
Min Limit	0.4	V

krad(Si)	0	3	10	30	50	100
LL	0.400	0.400	0.400	0.400	0.400	0.400
Min	0.649	0.644	0.640	0.620	0.610	0.585
Average	0.649	0.651	0.644	0.631	0.620	0.594
Max	0.649	0.660	0.650	0.640	0.630	0.605
UL	0.900	0.900	0.900	0.900	0.900	0.900



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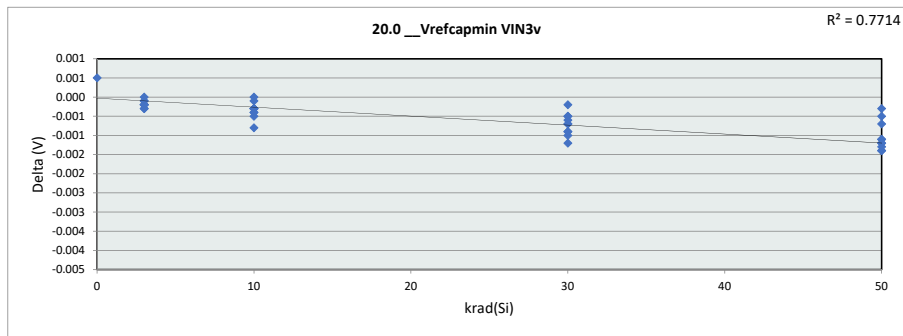
100	217	0.645	0.590	-0.055
100	218	0.650	0.585	-0.065
100	219	0.655	0.595	-0.060
100	220	0.660	0.595	-0.065
100	317	0.650	0.585	-0.065
100	318	0.655	0.595	-0.060
100	322	0.655	0.595	-0.060
100	323	0.655	0.590	-0.065
100	325u	0.660	0.600	-0.060
100	327u	0.664	0.605	-0.060
100	330u	0.655	0.590	-0.065
100	332u	0.650	0.585	-0.065
100	333u	0.650	0.590	-0.060
	Max	0.665	0.660	0.000
	Average	0.655	0.620	-0.035
	Min	0.645	0.585	-0.075
	Std Dev	0.006	0.024	0.025

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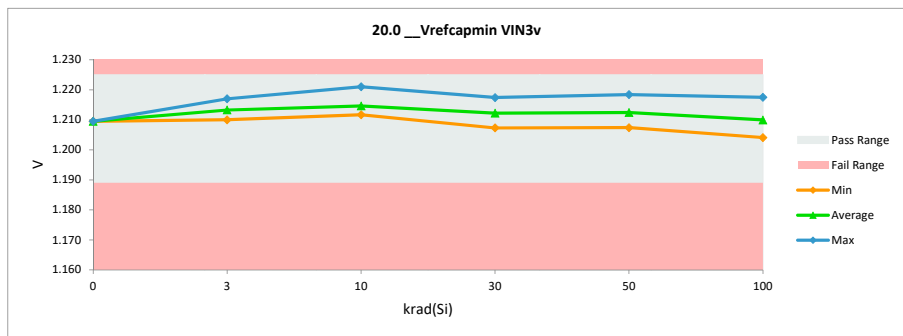
20.0_Vrefcapmin VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	1.225	1.225
Min Limit	1.189	1.189

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	1.209	1.209	0.000
3	48	1.210	1.210	0.000
3	49	1.217	1.217	0.000
3	51	1.216	1.216	0.000
3	54	1.214	1.214	0.000
3	56	1.214	1.214	0.000
3	57u	1.211	1.211	0.000
3	58u	1.212	1.212	0.000
3	59u	1.210	1.210	0.000
3	61u	1.216	1.216	0.000
3	62u	1.214	1.214	0.000
10	65	1.215	1.214	0.000
10	67	1.214	1.213	0.000
10	68	1.213	1.212	-0.001
10	73	1.212	1.212	0.000
10	74	1.215	1.215	0.000
10	75u	1.214	1.214	0.000
10	76u	1.216	1.215	-0.001
10	77u	1.215	1.215	0.000
10	78u	1.221	1.221	0.000
10	79u	1.215	1.214	0.000
30	81	1.210	1.210	0.000
30	83	1.208	1.207	-0.001
30	84	1.212	1.212	-0.001
30	86	1.210	1.209	-0.001
30	89	1.216	1.215	-0.001
30	94u	1.214	1.213	-0.001
30	96u	1.212	1.212	-0.001
30	98u	1.213	1.212	-0.001
30	100u	1.216	1.216	-0.001
30	102u	1.218	1.217	-0.001
50	107	1.214	1.214	0.000
50	108	1.213	1.212	-0.001
50	110	1.212	1.212	-0.001
50	111	1.214	1.212	-0.001
50	113	1.213	1.212	-0.001
50	114u	1.219	1.218	0.000
50	115u	1.212	1.211	-0.001
50	118u	1.209	1.207	-0.001
50	119u	1.212	1.211	-0.001
50	122u	1.217	1.216	-0.001
100	125	1.211	1.209	-0.002
100	126	1.209	1.207	-0.003
100	127	1.210	1.208	-0.002
100	128	1.214	1.211	-0.002
100	129	1.210	1.207	-0.003
100	130	1.219	1.216	-0.003
100	132	1.218	1.215	-0.003
100	198	1.212	1.209	-0.003
100	199	1.217	1.215	-0.002
100	201	1.216	1.214	-0.002
100	208	1.214	1.212	-0.002
100	209	1.214	1.213	-0.001
100	210	1.208	1.205	-0.002
100	214	1.212	1.209	-0.003



20.0_Vrefcapmin VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1.225	V
Min Limit	1.189	V

krad(Si)	0	3	10	30	50	100
LL	1.189	1.189	1.189	1.189	1.189	1.189
Min	1.210	1.210	1.212	1.207	1.207	1.204
Average	1.210	1.213	1.215	1.212	1.212	1.210
Max	1.210	1.217	1.221	1.217	1.218	1.218
UL	1.225	1.225	1.225	1.225	1.225	1.225



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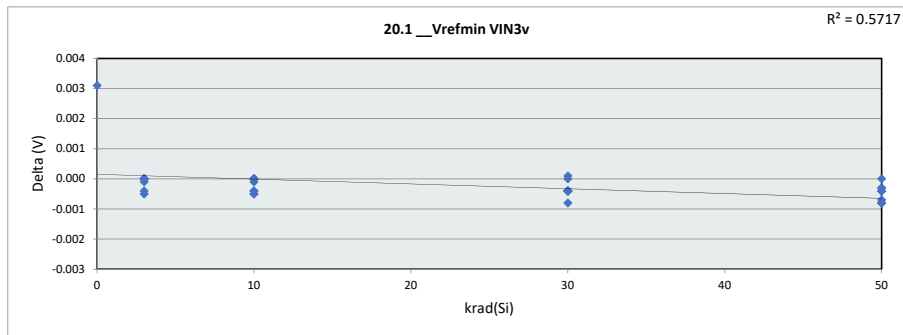
100	217	1.207	1.204	-0.003
100	218	1.212	1.208	-0.003
100	219	1.213	1.210	-0.003
100	220	1.208	1.205	-0.004
100	317	1.212	1.209	-0.003
100	318	1.213	1.210	-0.003
100	322	1.208	1.204	-0.004
100	323	1.209	1.206	-0.002
100	325u	1.209	1.208	-0.001
100	327u	1.214	1.212	-0.002
100	330u	1.218	1.217	-0.001
100	332u	1.214	1.212	-0.002
100	333u	1.214	1.212	-0.002
	Max	1.221	1.221	0.000
	Average	1.213	1.212	-0.001
	Min	1.207	1.204	-0.004
	Std Dev	0.003	0.004	0.001

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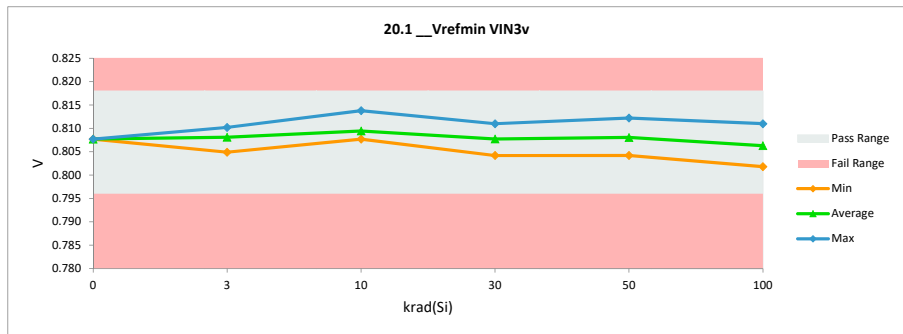
20.1 __Vrefmin VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	0.818	0.818
Min Limit	0.796	0.796

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	0.805	0.808	0.003
3	48	0.805	0.805	0.000
3	49	0.810	0.810	0.000
3	51	0.810	0.810	0.000
3	54	0.810	0.810	0.000
3	56	0.809	0.809	0.000
3	57u	0.807	0.807	0.000
3	58u	0.808	0.808	0.000
3	59u	0.806	0.806	0.000
3	61u	0.809	0.808	-0.001
3	62u	0.808	0.808	0.000
10	65	0.809	0.809	-0.001
10	67	0.809	0.808	0.000
10	68	0.808	0.808	0.000
10	73	0.808	0.808	0.000
10	74	0.809	0.809	0.000
10	75u	0.810	0.810	0.000
10	76u	0.811	0.811	0.000
10	77u	0.809	0.808	0.000
10	78u	0.814	0.814	0.000
10	79u	0.809	0.809	-0.001
30	81	0.806	0.806	0.000
30	83	0.804	0.805	0.000
30	84	0.808	0.808	0.000
30	86	0.805	0.804	0.000
30	89	0.811	0.810	0.000
30	94u	0.809	0.808	0.000
30	96u	0.808	0.808	0.000
30	98u	0.808	0.807	-0.001
30	100u	0.811	0.811	0.000
30	102u	0.811	0.811	0.000
50	107	0.811	0.810	0.000
50	108	0.808	0.808	0.000
50	110	0.808	0.807	0.000
50	111	0.809	0.808	-0.001
50	113	0.806	0.806	0.000
50	114u	0.812	0.812	0.000
50	115u	0.808	0.807	-0.001
50	118u	0.805	0.804	-0.001
50	119u	0.807	0.807	0.000
50	122u	0.811	0.810	-0.001
100	125	0.807	0.806	-0.001
100	126	0.807	0.805	-0.002
100	127	0.807	0.806	-0.001
100	128	0.808	0.807	-0.001
100	129	0.807	0.805	-0.002
100	130	0.811	0.810	-0.002
100	132	0.811	0.809	-0.002
100	198	0.808	0.807	-0.002
100	199	0.811	0.809	-0.001
100	201	0.811	0.809	-0.002
100	208	0.808	0.807	-0.001
100	209	0.809	0.809	-0.001
100	210	0.805	0.803	-0.001
100	214	0.808	0.806	-0.002



20.1 __Vrefmin VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	0.818	V
Min Limit	0.796	V

krad(Si)	0	3	10	30	50	100
LL	0.796	0.796	0.796	0.796	0.796	0.796
Min	0.808	0.805	0.808	0.804	0.804	0.802
Average	0.808	0.808	0.809	0.808	0.808	0.806
Max	0.808	0.810	0.814	0.811	0.812	0.811
UL	0.818	0.818	0.818	0.818	0.818	0.818



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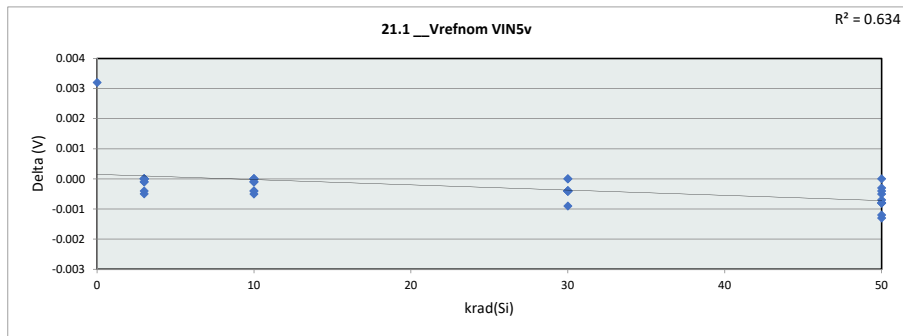
100	217	0.803	0.802	-0.002
100	218	0.807	0.804	-0.002
100	219	0.807	0.806	-0.002
100	220	0.805	0.802	-0.002
100	317	0.808	0.806	-0.002
100	318	0.807	0.805	-0.002
100	322	0.805	0.803	-0.002
100	323	0.806	0.804	-0.002
100	325u	0.806	0.806	-0.001
100	327u	0.809	0.809	-0.001
100	330u	0.811	0.811	0.000
100	332u	0.808	0.807	-0.001
100	333u	0.808	0.807	-0.001
	Max	0.814	0.814	0.003
	Average	0.808	0.808	-0.001
	Min	0.803	0.802	-0.002
	Std Dev	0.002	0.002	0.001

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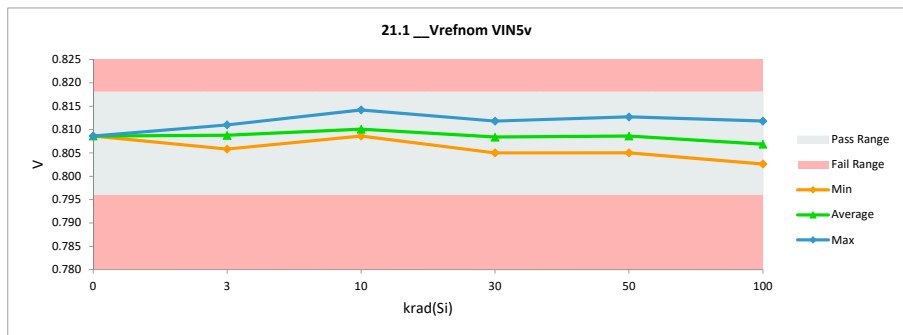
21.1_Vrefnom VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	0.818	0.818
Min Limit	0.796	0.796

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	0.805	0.809	0.003
3	48	0.806	0.806	0.000
3	49	0.811	0.811	0.000
3	51	0.810	0.810	0.000
3	54	0.811	0.811	0.000
3	56	0.810	0.810	0.000
3	57u	0.807	0.807	0.000
3	58u	0.808	0.808	0.000
3	59u	0.807	0.807	0.000
3	61u	0.810	0.809	0.000
3	62u	0.809	0.809	0.000
10	65	0.810	0.810	0.000
10	67	0.810	0.809	0.000
10	68	0.809	0.809	0.000
10	73	0.809	0.809	0.000
10	74	0.810	0.810	0.000
10	75u	0.810	0.810	0.000
10	76u	0.812	0.811	-0.001
10	77u	0.809	0.809	0.000
10	78u	0.814	0.814	0.000
10	79u	0.810	0.810	0.000
30	81	0.807	0.807	0.000
30	83	0.805	0.805	0.000
30	84	0.809	0.809	0.000
30	86	0.805	0.805	0.000
30	89	0.812	0.811	-0.001
30	94u	0.809	0.809	0.000
30	96u	0.809	0.808	0.000
30	98u	0.808	0.808	0.000
30	100u	0.812	0.812	0.000
30	102u	0.812	0.812	0.000
50	107	0.811	0.811	0.000
50	108	0.809	0.809	-0.001
50	110	0.808	0.808	-0.001
50	111	0.810	0.809	-0.001
50	113	0.807	0.806	-0.001
50	114u	0.813	0.813	0.000
50	115u	0.809	0.807	-0.001
50	118u	0.806	0.805	-0.001
50	119u	0.808	0.807	-0.001
50	122u	0.811	0.811	0.000
100	125	0.808	0.807	-0.002
100	126	0.807	0.805	-0.002
100	127	0.808	0.807	-0.001
100	128	0.809	0.807	-0.001
100	129	0.807	0.806	-0.002
100	130	0.812	0.810	-0.002
100	132	0.812	0.810	-0.002
100	198	0.809	0.807	-0.002
100	199	0.811	0.810	-0.001
100	201	0.811	0.809	-0.002
100	208	0.809	0.808	-0.002
100	209	0.810	0.809	-0.001
100	210	0.805	0.804	-0.002
100	214	0.809	0.807	-0.002



21.1_Vrefnom VIN5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	0.818	V
Min Limit	0.796	V

krad(Si)	0	3	10	30	50	100
LL	0.796	0.796	0.796	0.796	0.796	0.796
Min	0.809	0.806	0.809	0.805	0.805	0.803
Average	0.809	0.809	0.810	0.808	0.809	0.807
Max	0.809	0.811	0.814	0.812	0.813	0.812
UL	0.818	0.818	0.818	0.818	0.818	0.818



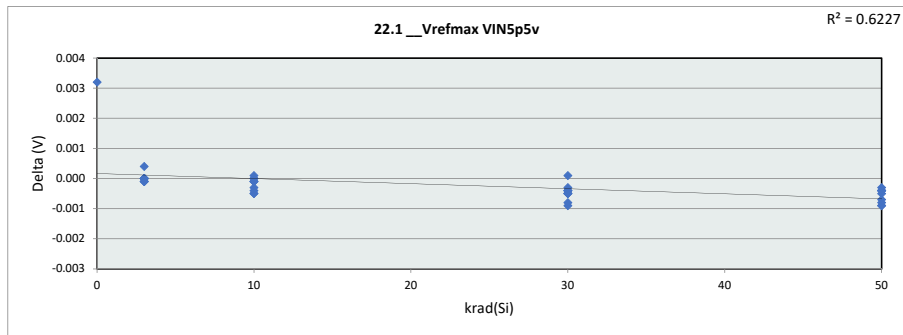
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100	217	0.804	0.803	-0.002
100	218	0.807	0.805	-0.002
100	219	0.808	0.806	-0.002
100	220	0.805	0.803	-0.002
100	317	0.809	0.807	-0.002
100	318	0.808	0.806	-0.002
100	322	0.805	0.803	-0.002
100	323	0.806	0.805	-0.002
100	325u	0.807	0.806	-0.001
100	327u	0.810	0.809	-0.001
100	330u	0.812	0.812	0.000
100	332u	0.809	0.808	-0.001
100	333u	0.809	0.808	-0.001
	Max	0.814	0.814	0.003
	Average	0.809	0.808	-0.001
	Min	0.804	0.803	-0.002
	Std Dev	0.002	0.002	0.001

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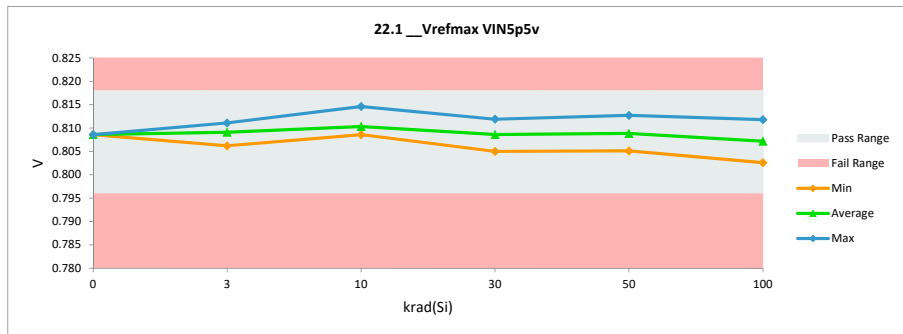
22.1 __Vrefmax VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	0.818	0.818
Min Limit	0.796	0.796

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	0.805	0.809	0.003
3	48	0.806	0.806	0.000
3	49	0.811	0.811	0.000
3	51	0.811	0.811	0.000
3	54	0.811	0.811	0.000
3	56	0.810	0.810	0.000
3	57u	0.807	0.807	0.000
3	58u	0.809	0.809	0.000
3	59u	0.807	0.807	0.000
3	61u	0.810	0.810	0.000
3	62u	0.809	0.809	0.000
10	65	0.810	0.810	0.000
10	67	0.810	0.810	0.000
10	68	0.809	0.809	0.000
10	73	0.809	0.809	0.000
10	74	0.810	0.810	0.000
10	75u	0.811	0.811	0.000
10	76u	0.812	0.812	0.000
10	77u	0.810	0.809	0.000
10	78u	0.815	0.815	0.000
10	79u	0.810	0.810	0.000
30	81	0.807	0.807	0.000
30	83	0.806	0.805	0.000
30	84	0.809	0.809	0.000
30	86	0.805	0.805	0.000
30	89	0.812	0.811	-0.001
30	94u	0.809	0.809	0.000
30	96u	0.809	0.809	0.000
30	98u	0.809	0.808	-0.001
30	100u	0.812	0.812	0.000
30	102u	0.812	0.812	0.000
50	107	0.812	0.811	0.000
50	108	0.809	0.809	0.000
50	110	0.809	0.808	-0.001
50	111	0.810	0.809	-0.001
50	113	0.807	0.807	0.000
50	114u	0.813	0.813	0.000
50	115u	0.809	0.808	-0.001
50	118u	0.806	0.805	-0.001
50	119u	0.809	0.808	-0.001
50	122u	0.811	0.811	0.000
100	125	0.808	0.807	-0.001
100	126	0.807	0.806	-0.002
100	127	0.809	0.807	-0.001
100	128	0.809	0.807	-0.001
100	129	0.808	0.806	-0.002
100	130	0.812	0.811	-0.002
100	132	0.812	0.810	-0.002
100	198	0.809	0.807	-0.002
100	199	0.812	0.810	-0.001
100	201	0.812	0.810	-0.002
100	208	0.809	0.807	-0.002
100	209	0.810	0.810	0.000
100	210	0.805	0.804	-0.001
100	214	0.809	0.807	-0.002



22.1 __Vrefmax VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	0.818	V
Min Limit	0.796	V

krad(Si)	0	3	10	30	50	100
LL	0.796	0.796	0.796	0.796	0.796	0.796
Min	0.809	0.806	0.809	0.805	0.805	0.803
Average	0.809	0.809	0.810	0.809	0.809	0.807
Max	0.809	0.811	0.815	0.812	0.813	0.812
UL	0.818	0.818	0.818	0.818	0.818	0.818



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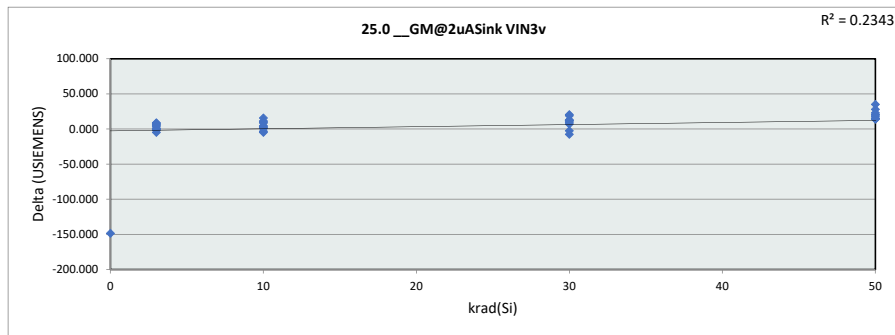
100	217	0.805	0.803	-0.002
100	218	0.808	0.806	-0.002
100	219	0.808	0.807	-0.002
100	220	0.805	0.803	-0.002
100	317	0.809	0.807	-0.002
100	318	0.808	0.806	-0.002
100	322	0.806	0.803	-0.002
100	323	0.807	0.805	-0.002
100	325u	0.808	0.807	-0.001
100	327u	0.810	0.809	-0.001
100	330u	0.812	0.812	-0.001
100	332u	0.809	0.808	-0.001
100	333u	0.809	0.808	-0.001
	Max	0.815	0.815	0.003
	Average	0.809	0.808	-0.001
	Min	0.805	0.803	-0.002
	Std Dev	0.002	0.002	0.001

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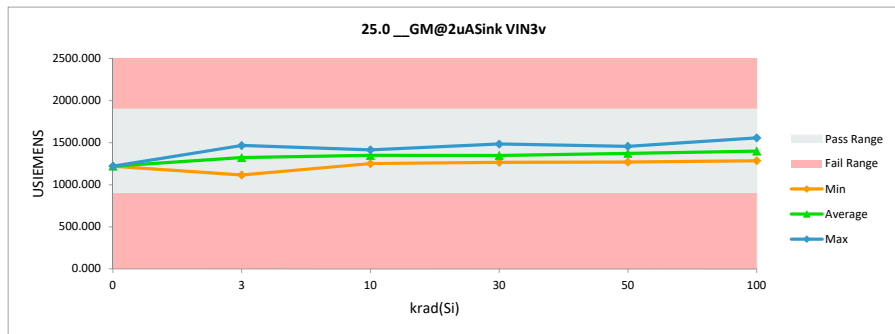
25.0_GM@2uASink VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	USIEMENS	USIEMENS
Max Limit	1900	1900
Min Limit	900	900

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	1369.293	1220.777	-148.517
3	48	1246.167	1246.613	0.446
3	49	1414.943	1420.350	5.407
3	51	1335.548	1344.456	8.908
3	54	1298.481	1306.461	7.980
3	56	1272.066	1267.322	-4.744
3	57u	1364.653	1363.085	-1.569
3	58u	1377.333	1383.329	5.996
3	59u	1305.990	1305.090	-0.899
3	61u	1113.437	1116.653	3.216
3	62u	1466.323	1467.051	0.728
10	65	1267.549	1278.926	11.377
10	67	1360.787	1361.483	0.696
10	68	1373.849	1370.672	-3.177
10	73	1350.874	1355.403	4.530
10	74	1367.405	1370.600	3.195
10	75u	1339.080	1354.629	15.549
10	76u	1419.236	1414.347	-4.890
10	77u	1243.061	1251.723	8.661
10	78u	1362.031	1363.780	1.748
10	79u	1362.582	1372.564	9.982
30	81	1338.009	1330.385	-7.624
30	83	1463.558	1484.017	20.459
30	84	1389.638	1400.875	11.237
30	86	1262.844	1281.780	18.937
30	89	1349.368	1358.227	8.860
30	94u	1253.238	1266.229	12.990
30	96u	1275.173	1272.688	-2.484
30	98u	1369.283	1381.840	12.557
30	100u	1325.610	1332.499	6.889
30	102u	1356.950	1368.796	11.845
50	107	1334.888	1352.977	18.089
50	108	1291.025	1326.090	35.065
50	110	1401.047	1428.894	27.847
50	111	1439.713	1455.101	15.388
50	113	1333.367	1348.080	14.713
50	114u	1360.484	1381.233	20.749
50	115u	1413.298	1427.158	13.860
50	118u	1247.050	1270.054	23.004
50	119u	1270.447	1285.207	14.760
50	122u	1436.505	1456.387	19.881
100	125	1397.864	1440.093	42.229
100	126	1428.578	1468.984	40.406
100	127	1293.892	1331.877	37.985
100	128	1344.057	1356.791	12.733
100	129	1386.997	1415.107	28.110
100	130	1311.533	1321.773	10.240
100	132	1288.959	1286.203	-2.757
100	198	1354.220	1394.188	39.967
100	199	1365.692	1410.290	44.597
100	201	1365.810	1376.381	10.571
100	208	1411.015	1438.881	27.866
100	209	1449.839	1444.011	-5.828
100	210	1441.759	1474.345	32.586
100	214	1390.473	1440.060	49.588



25.0_GM@2uASink VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1900	USIEMENS
Min Limit	900	USIEMENS

krad(Si)	0	3	10	30	50	100
LL	900.000	900.000	900.000	900.000	900.000	900.000
Min	1220.777	1116.653	1251.723	1266.229	1270.054	1286.203
Average	1220.777	1322.041	1349.413	1347.734	1373.118	1400.711
Max	1220.777	1467.051	1414.347	1484.017	1456.387	1558.522
UL	1900.000	1900.000	1900.000	1900.000	1900.000	1900.000



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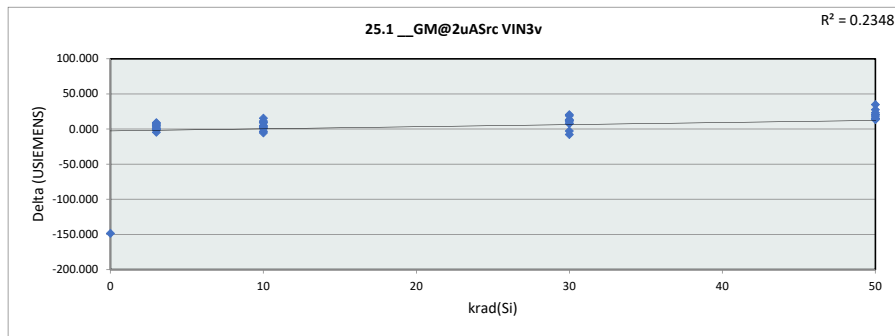
100	217	1328.882	1371.053	42.171
100	218	1292.813	1297.920	5.107
100	219	1375.437	1444.688	69.251
100	220	1446.004	1480.428	34.424
100	317	1315.278	1317.274	1.996
100	318	1355.773	1376.572	20.799
100	322	1536.096	1558.522	22.427
100	323	1326.531	1344.617	18.086
100	325u	1414.166	1435.615	21.449
100	327u	1405.576	1427.824	22.248
100	330u	1334.837	1346.379	11.542
100	332u	1406.688	1414.540	7.852
100	333u	1374.809	1404.772	29.963
	Max	1536.096	1558.522	69.251
	Average	1353.908	1367.103	13.195
	Min	1113.437	1116.653	-148.517
	Std Dev	67.492	74.672	25.109

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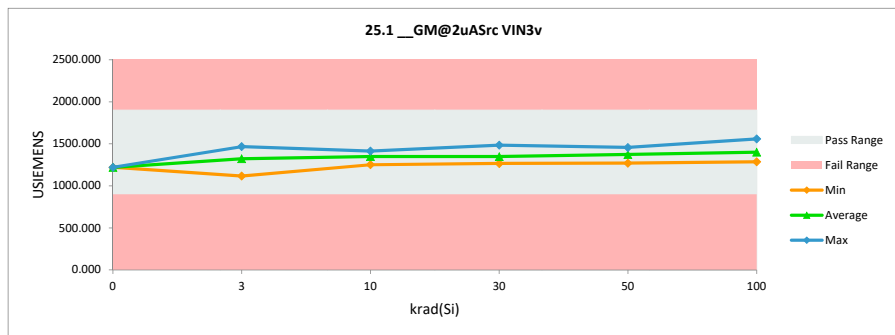
25.1 GM@2uASrc VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	USIEMENS	USIEMENS
Max Limit	1900	1900
Min Limit	900	900

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	1369.230	1220.797	-148.434
3	48	1246.244	1246.709	0.465
3	49	1415.038	1420.488	5.450
3	51	1335.450	1344.385	8.934
3	54	1298.411	1306.488	8.076
3	56	1271.979	1267.428	-4.552
3	57u	1364.644	1363.425	-1.218
3	58u	1377.667	1383.444	5.777
3	59u	1305.902	1305.135	-0.767
3	61u	1113.468	1116.666	3.197
3	62u	1465.994	1467.181	1.188
10	65	1267.416	1278.673	11.258
10	67	1360.754	1361.370	0.616
10	68	1374.029	1370.747	-3.282
10	73	1350.778	1355.677	4.899
10	74	1367.148	1370.828	3.680
10	75u	1338.937	1354.254	15.317
10	76u	1419.523	1413.964	-5.559
10	77u	1243.010	1251.719	8.709
10	78u	1362.122	1363.773	1.651
10	79u	1362.698	1372.471	9.773
30	81	1338.178	1330.469	-7.709
30	83	1463.811	1484.134	20.323
30	84	1389.717	1400.976	11.258
30	86	1262.844	1281.627	18.783
30	89	1349.572	1357.993	8.421
30	94u	1252.853	1266.128	13.275
30	96u	1275.274	1272.545	-2.729
30	98u	1369.206	1381.602	12.396
30	100u	1325.346	1333.133	7.787
30	102u	1356.842	1369.034	12.192
50	107	1334.892	1353.282	18.390
50	108	1291.194	1326.066	34.872
50	110	1400.870	1428.453	27.583
50	111	1440.043	1455.306	15.262
50	113	1333.450	1348.362	14.912
50	114u	1360.311	1381.005	20.694
50	115u	1413.721	1427.123	13.403
50	118u	1247.001	1270.092	23.091
50	119u	1270.142	1285.153	15.011
50	122u	1436.200	1456.698	20.498
100	125	1397.849	1439.971	42.122
100	126	1428.443	1469.157	40.715
100	127	1293.779	1331.942	38.164
100	128	1344.201	1357.261	13.060
100	129	1386.905	1414.903	27.998
100	130	1311.960	1322.205	10.245
100	132	1288.830	1286.291	-2.538
100	198	1354.048	1393.713	39.665
100	199	1365.599	1410.469	44.870
100	201	1365.818	1376.364	10.547
100	208	1411.021	1438.521	27.500
100	209	1449.810	1444.384	-5.426
100	210	1441.451	1474.640	33.188
100	214	1390.663	1439.923	49.260



25.1 GM@2uASrc VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1900	USIEMENS
Min Limit	900	USIEMENS

krad(Si)	0	3	10	30	50	100
LL	900.000	900.000	900.000	900.000	900.000	900.000
Min	1220.797	1116.666	1251.719	1266.128	1270.092	1286.291
Average	1220.797	1322.135	1349.348	1347.764	1373.154	1400.768
Max	1220.797	1467.181	1413.964	1484.134	1456.698	1558.607
UL	1900.000	1900.000	1900.000	1900.000	1900.000	1900.000



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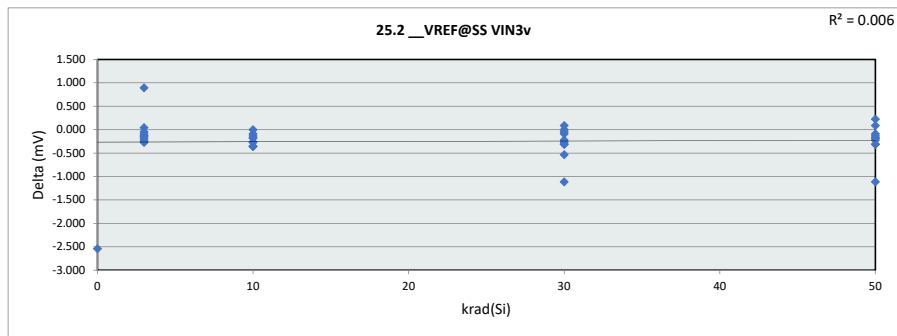
100	217	1328.683	1370.975	42.292
100	218	1293.011	1297.422	4.411
100	219	1375.399	1444.833	69.434
100	220	1446.135	1481.396	35.261
100	317	1315.127	1317.352	2.225
100	318	1355.864	1376.239	20.376
100	322	1536.094	1558.607	22.512
100	323	1326.461	1344.533	18.071
100	325u	1414.090	1435.405	21.315
100	327u	1405.611	1428.218	22.608
100	330u	1334.858	1346.665	11.807
100	332u	1406.797	1414.406	7.609
100	333u	1374.906	1404.933	30.027
	Max	1536.094	1558.607	69.434
	Average	1353.902	1367.140	13.238
	Min	1113.468	1116.666	-148.434
	Std Dev	67.513	74.710	25.113

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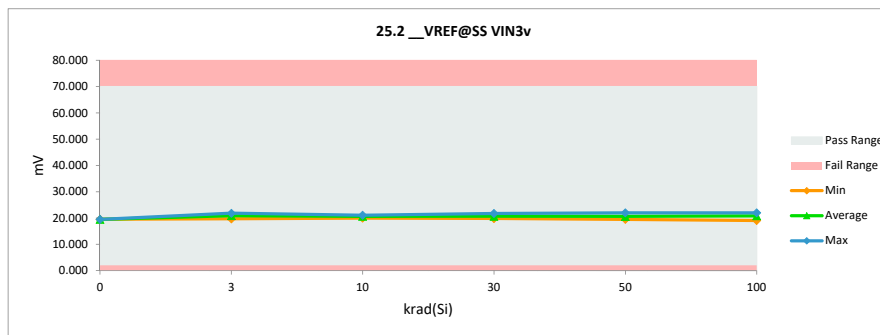
25.2_VREF@SS VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	mV	mV
Max Limit	70	70
Min Limit	2	2

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	22.039	19.496	-2.544
3	48	21.325	21.191	-0.134
3	49	21.861	21.816	-0.045
3	51	20.700	20.522	-0.178
3	54	19.629	19.674	0.045
3	56	20.388	20.120	-0.268
3	57u	21.593	21.459	-0.134
3	58u	20.745	21.638	0.892
3	59u	21.236	20.968	-0.268
3	61u	19.853	19.763	-0.089
3	62u	21.682	21.459	-0.223
10	65	19.986	19.986	0.000
10	67	20.388	20.209	-0.179
10	68	20.790	20.522	-0.268
10	73	21.325	21.057	-0.268
10	74	21.102	20.924	-0.178
10	75u	20.566	20.477	-0.089
10	76u	21.057	20.700	-0.357
10	77u	20.924	20.790	-0.134
10	78u	21.147	20.790	-0.357
10	79u	21.236	20.879	-0.357
30	81	21.593	21.057	-0.535
30	83	21.638	21.727	0.089
30	84	20.879	20.656	-0.223
30	86	21.682	21.414	-0.268
30	89	20.611	20.299	-0.312
30	94u	19.808	19.808	0.000
30	96u	20.120	19.808	-0.312
30	98u	20.968	20.879	-0.089
30	100u	20.076	20.031	-0.045
30	102u	21.861	20.745	-1.116
50	107	19.674	19.451	-0.223
50	108	20.209	20.031	-0.178
50	110	21.414	21.281	-0.134
50	111	20.790	20.477	-0.312
50	113	22.262	21.950	-0.312
50	114u	20.656	20.745	0.089
50	115u	20.433	20.343	-0.089
50	118u	20.343	20.566	0.223
50	119u	20.031	19.853	-0.178
50	122u	22.351	21.236	-1.116
100	125	20.790	20.879	0.089
100	126	20.700	20.656	-0.045
100	127	18.915	19.049	0.134
100	128	21.102	21.013	-0.089
100	129	20.254	20.343	0.089
100	130	20.745	20.566	-0.179
100	132	20.656	20.477	-0.179
100	198	20.254	20.254	0.000
100	199	21.771	21.593	-0.178
100	201	20.656	20.299	-0.357
100	208	22.039	21.861	-0.179
100	209	20.924	20.165	-0.759
100	210	21.459	21.236	-0.223
100	214	21.548	21.370	-0.179



25.2_VREF@SS VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	70	mV
Min Limit	2	mV

krad(Si)	0	3	10	30	50	100
LL	2.000	2.000	2.000	2.000	2.000	2.000
Min	19.496	19.674	19.986	19.808	19.451	19.049
Average	19.496	20.861	20.633	20.642	20.593	20.790
Max	19.496	21.816	21.057	21.727	21.950	21.950
UL	70.000	70.000	70.000	70.000	70.000	70.000



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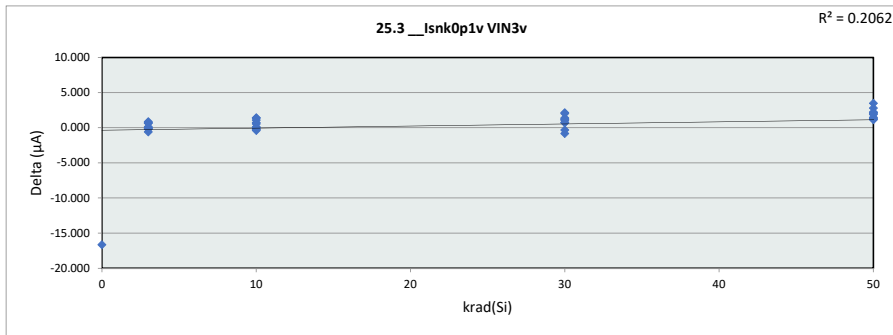
100	217	21.325	21.370	0.045
100	218	20.522	20.076	-0.446
100	219	21.147	21.414	0.268
100	220	21.994	21.950	-0.045
100	317	20.388	20.254	-0.134
100	318	21.861	21.771	-0.089
100	322	22.173	21.950	-0.223
100	323	20.433	20.031	-0.402
100	325u	20.700	20.343	-0.357
100	327u	20.209	20.031	-0.178
100	330u	21.191	20.745	-0.446
100	332u	21.325	21.147	-0.178
100	333u	21.370	20.477	-0.892
	Max	22.351	21.950	0.892
	Average	20.933	20.708	-0.225
	Min	18.915	19.049	-2.544
	Std Dev	0.716	0.681	0.403

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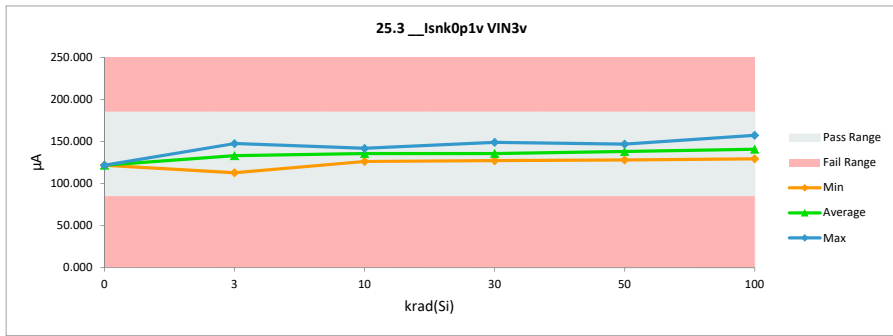
25.3_Isnk0p1v VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	µA	µA
Max Limit	185	185
Min Limit	85	85

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	138.468	121.817	-16.651
3	48	126.110	126.117	0.006
3	49	142.548	143.192	0.644
3	51	134.381	135.240	0.859
3	54	129.813	130.557	0.744
3	56	127.910	127.307	-0.603
3	57u	137.487	137.321	-0.166
3	58u	138.477	139.127	0.650
3	59u	131.510	131.431	-0.078
3	61u	112.646	112.784	0.137
3	62u	147.735	147.538	-0.197
10	65	127.410	128.797	1.387
10	67	136.593	136.406	-0.188
10	68	137.643	137.412	-0.231
10	73	136.162	136.712	0.550
10	74	137.762	137.812	0.050
10	75u	134.481	135.890	1.409
10	76u	142.277	141.886	-0.391
10	77u	125.648	126.373	0.725
10	78u	137.077	137.184	0.106
10	79u	137.240	138.327	1.087
30	81	135.296	134.459	-0.837
30	83	146.964	148.985	2.022
30	84	139.727	140.799	1.072
30	86	127.638	129.772	2.134
30	89	135.350	136.040	0.691
30	94u	126.013	127.235	1.222
30	96u	128.122	127.801	-0.322
30	98u	137.859	139.243	1.384
30	100u	133.440	134.187	0.747
30	102u	136.721	137.946	1.225
50	107	133.578	135.459	1.881
50	108	129.750	133.219	3.468
50	110	141.183	143.983	2.800
50	111	144.589	145.804	1.215
50	113	135.068	136.406	1.337
50	114u	136.999	139.074	2.075
50	115u	141.933	143.073	1.140
50	118u	125.826	128.051	2.225
50	119u	127.560	129.032	1.472
50	122u	144.801	146.942	2.140
100	125	140.383	144.258	3.874
100	126	143.470	147.426	3.956
100	127	129.610	133.212	3.603
100	128	135.696	137.184	1.487
100	129	139.065	141.889	2.825
100	130	132.384	133.178	0.794
100	132	129.835	129.435	-0.400
100	198	135.828	139.649	3.821
100	199	137.740	142.120	4.381
100	201	137.702	138.443	0.741
100	208	142.311	144.883	2.572
100	209	145.676	144.248	-1.428
100	210	144.920	148.204	3.284
100	214	140.193	144.748	4.556



25.3_Isnk0p1v VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	185	µA
Min Limit	85	µA

krad(Si)	0	3	10	30	50	100
LL	85.000	85.000	85.000	85.000	85.000	85.000
Min	121.817	112.784	126.373	127.235	128.051	129.435
Average	121.817	133.061	135.680	135.647	138.104	140.820
Max	121.817	147.538	141.886	148.985	146.942	157.359
UL	185.000	185.000	185.000	185.000	185.000	185.000



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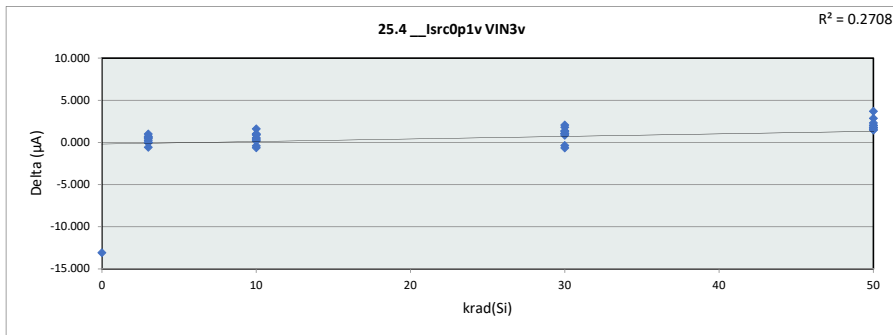
100	217	134.200	138.524	4.324
100	218	130.172	130.522	0.350
100	219	138.890	145.695	6.805
100	220	145.395	149.098	3.703
100	317	131.903	132.387	0.484
100	318	136.815	138.799	1.984
100	322	154.881	157.359	2.478
100	323	133.016	134.575	1.559
100	325u	142.020	144.008	1.987
100	327u	141.124	143.317	2.193
100	330u	134.081	135.531	1.450
100	332u	141.630	142.242	0.612
100	333u	138.368	141.217	2.850
	Max	154.881	157.359	6.805
	Average	136.252	137.484	1.232
	Min	112.646	112.784	-16.651
	Std Dev	6.733	7.476	2.686

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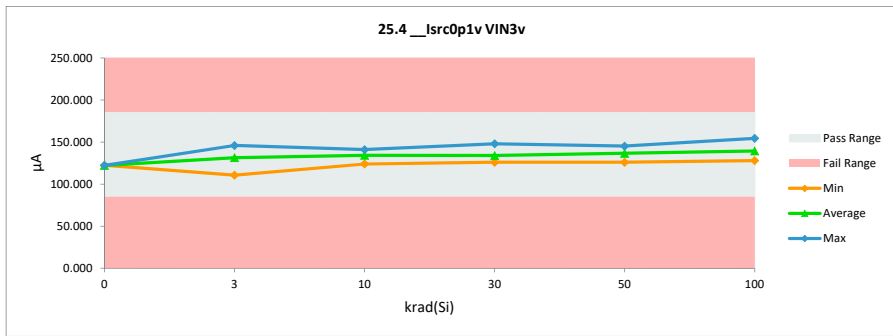
25.4 _IsrcOp1v VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	µA	µA
Max Limit	185	185
Min Limit	85	85

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	135.393	122.307	-13.086
3	48	123.204	123.207	0.003
3	49	140.502	140.977	0.475
3	51	132.628	133.634	1.006
3	54	129.997	130.706	0.709
3	56	126.613	126.035	-0.578
3	57u	135.390	135.387	-0.003
3	58u	137.068	137.605	0.537
3	59u	129.656	129.622	-0.034
3	61u	110.003	110.637	0.634
3	62u	145.679	145.932	0.253
10	65	126.101	127.044	0.944
10	67	135.612	135.893	0.281
10	68	137.190	136.774	-0.416
10	73	134.121	134.537	0.415
10	74	135.727	136.265	0.537
10	75u	133.362	134.974	1.612
10	76u	141.595	140.955	-0.641
10	77u	122.964	123.973	1.009
10	78u	135.412	135.565	0.153
10	79u	135.318	136.199	0.881
30	81	132.290	131.641	-0.650
30	83	145.854	147.913	2.059
30	84	138.308	139.311	1.003
30	86	124.891	126.688	1.797
30	89	134.556	135.609	1.053
30	94u	124.629	125.960	1.331
30	96u	126.988	126.613	-0.375
30	98u	136.031	137.099	1.069
30	100u	131.612	132.450	0.837
30	102u	134.681	136.043	1.362
50	107	133.487	135.209	1.722
50	108	128.466	132.156	3.690
50	110	138.999	141.852	2.853
50	111	143.345	145.129	1.784
50	113	131.734	133.215	1.481
50	114u	135.171	137.218	2.047
50	115u	140.836	142.305	1.469
50	118u	123.670	125.982	2.312
50	119u	126.448	128.185	1.737
50	122u	142.436	144.420	1.984
100	125	139.333	143.770	4.437
100	126	141.955	146.592	4.637
100	127	129.272	133.203	3.931
100	128	133.112	134.181	1.069
100	129	138.446	141.242	2.797
100	130	130.059	131.316	1.256
100	132	128.060	127.957	-0.103
100	198	135.003	139.089	4.087
100	199	135.399	140.058	4.659
100	201	135.462	136.855	1.393
100	208	139.927	142.792	2.865
100	209	144.254	144.601	0.347
100	210	143.383	146.779	3.396
100	214	138.089	143.239	5.149



25.4 _IsrcOp1v VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	185	µA
Min Limit	85	µA

krad(Si)	0	3	10	30	50	100
LL	85.000	85.000	85.000	85.000	85.000	85.000
Min	122.307	110.637	123.973	125.960	125.982	127.957
Average	122.307	131.374	134.218	133.933	136.567	139.385
Max	122.307	145.932	140.955	147.913	145.129	154.434
UL	185.000	185.000	185.000	185.000	185.000	185.000



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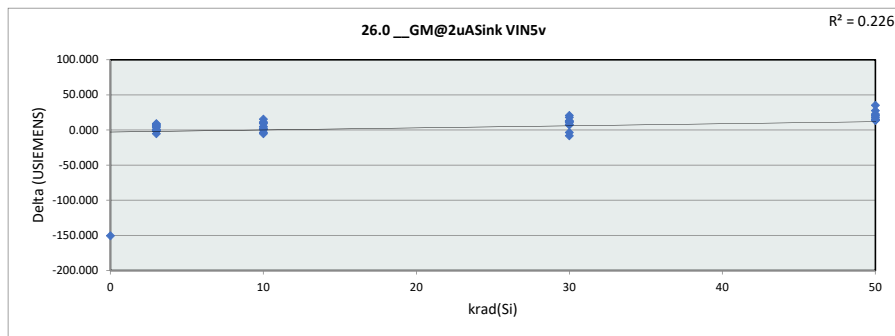
100	217	131.712	135.690	3.978
100	218	128.385	129.181	0.797
100	219	136.115	143.276	7.161
100	220	143.758	147.213	3.456
100	317	131.056	131.256	0.200
100	318	134.381	136.474	2.093
100	322	152.253	154.434	2.181
100	323	132.415	134.365	1.950
100	325u	140.777	143.111	2.334
100	327u	140.064	142.436	2.372
100	330u	132.947	133.865	0.919
100	332u	139.789	140.614	0.825
100	333u	136.724	139.805	3.081
	Max	152.253	154.434	7.161
	Average	134.560	135.980	1.419
	Min	110.003	110.637	-13.086
	Std Dev	6.782	7.491	2.371

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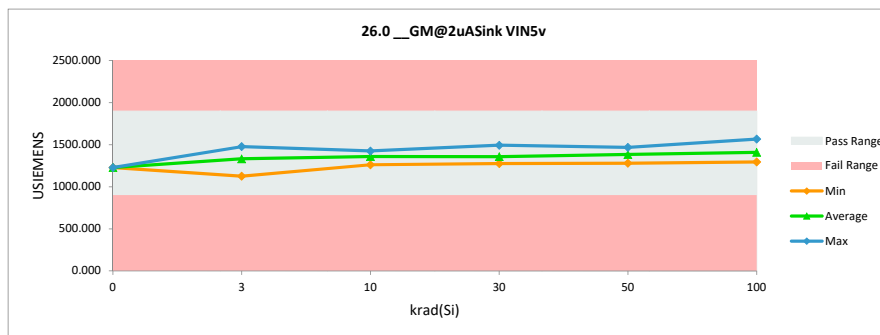
26.0 GM@2uASink VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	USIEMENS	USIEMENS
Max Limit	1900	1900
Min Limit	900	900

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	1379.207	1228.589	-150.617
3	48	1256.138	1256.039	-0.099
3	49	1425.339	1430.639	5.299
3	51	1344.922	1354.017	9.095
3	54	1308.393	1316.313	7.920
3	56	1282.277	1276.967	-5.310
3	57u	1375.488	1374.001	-1.487
3	58u	1386.189	1392.372	6.183
3	59u	1315.131	1314.083	-1.048
3	61u	1122.215	1125.458	3.244
3	62u	1476.530	1477.245	0.715
10	65	1275.570	1286.967	11.396
10	67	1370.325	1370.712	0.388
10	68	1384.604	1381.215	-3.388
10	73	1360.492	1365.486	4.994
10	74	1378.166	1380.891	2.725
10	75u	1349.580	1364.962	15.383
10	76u	1430.229	1424.885	-5.344
10	77u	1252.282	1261.354	9.071
10	78u	1372.030	1373.362	1.332
10	79u	1373.124	1383.595	10.471
30	81	1347.335	1339.098	-8.238
30	83	1472.518	1493.156	20.638
30	84	1400.360	1411.163	10.804
30	86	1272.704	1290.740	18.036
30	89	1359.673	1367.658	7.985
30	94u	1262.997	1276.224	13.227
30	96u	1286.241	1282.863	-3.378
30	98u	1378.776	1391.053	12.277
30	100u	1335.343	1342.505	7.162
30	102u	1366.214	1378.048	11.834
50	107	1345.733	1363.401	17.668
50	108	1299.348	1334.573	35.225
50	110	1411.692	1439.202	27.510
50	111	1449.025	1464.209	15.184
50	113	1344.059	1357.797	13.738
50	114u	1370.378	1391.490	21.111
50	115u	1424.891	1438.464	13.573
50	118u	1256.735	1279.405	22.670
50	119u	1280.232	1295.091	14.859
50	122u	1447.524	1467.542	20.018
100	125	1408.553	1449.746	41.193
100	126	1438.746	1479.343	40.597
100	127	1302.866	1340.385	37.519
100	128	1353.525	1365.186	11.661
100	129	1396.324	1423.305	26.981
100	130	1321.589	1331.591	10.002
100	132	1299.206	1295.700	-3.507
100	198	1364.905	1404.548	39.642
100	199	1374.630	1417.787	43.157
100	201	1376.474	1386.236	9.762
100	208	1421.155	1447.430	26.274
100	209	1459.687	1453.955	-5.732
100	210	1452.185	1483.751	31.566
100	214	1399.730	1449.130	49.401



26.0 GM@2uASink VIN5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1900	USIEMENS
Min Limit	900	USIEMENS

krad(Si)	0	3	10	30	50	100
LL	900.000	900.000	900.000	900.000	900.000	900.000
Min	1228.589	1125.458	1261.354	1276.224	1279.405	1295.700
Average	1228.589	1331.714	1359.343	1357.251	1383.117	1410.089
Max	1228.589	1477.246	1424.885	1493.156	1467.542	1567.819
UL	1900.000	1900.000	1900.000	1900.000	1900.000	1900.000



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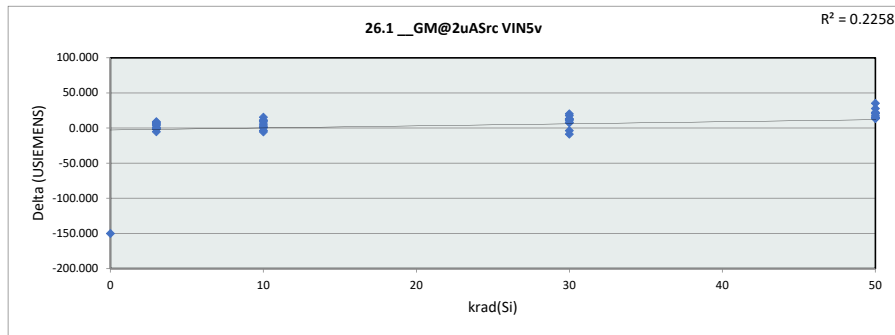
100	217	1337.773	1378.853	41.080
100	218	1303.191	1307.280	4.089
100	219	1384.953	1454.209	69.255
100	220	1455.810	1490.498	34.688
100	317	1324.806	1326.718	1.911
100	318	1365.241	1384.844	19.602
100	322	1546.535	1567.819	21.284
100	323	1335.934	1353.770	17.837
100	325u	1423.854	1444.980	21.126
100	327u	1417.575	1439.823	22.247
100	330u	1344.441	1355.535	11.095
100	332u	1417.441	1425.015	7.574
100	333u	1384.365	1414.977	30.612
	Max	1546.535	1567.819	69.255
	Average	1363.846	1376.695	12.849
	Min	1122.215	1125.458	-150.617
	Std Dev	67.748	74.894	25.247

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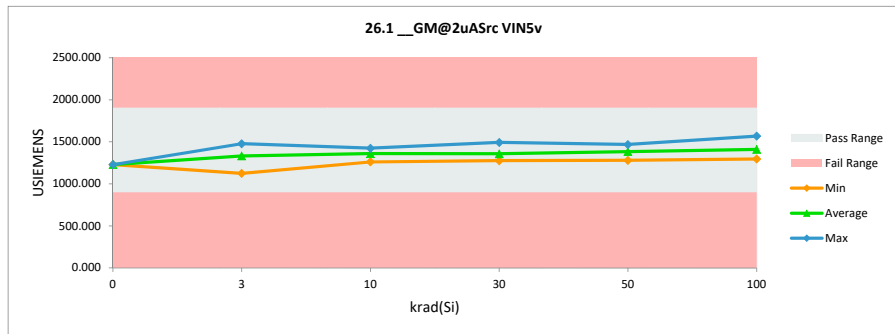
26.1 GM@2uASrc VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	USIEMENS	USIEMENS
Max Limit	1900	1900
Min Limit	900	900

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	1378.987	1228.755	-150.232
3	48	1255.956	1255.993	0.037
3	49	1425.454	1430.737	5.283
3	51	1344.879	1353.988	9.110
3	54	1308.349	1316.274	7.925
3	56	1282.279	1276.978	-5.301
3	57u	1375.279	1373.717	-1.563
3	58u	1386.133	1392.410	6.276
3	59u	1314.943	1314.091	-0.852
3	61u	1122.199	1125.541	3.342
3	62u	1476.706	1477.446	0.740
10	65	1275.509	1286.907	11.399
10	67	1370.121	1370.538	0.417
10	68	1384.532	1381.133	-3.399
10	73	1360.159	1365.755	5.596
10	74	1378.363	1381.155	2.792
10	75u	1349.514	1364.939	15.424
10	76u	1430.216	1424.692	-5.525
10	77u	1252.294	1261.191	8.896
10	78u	1372.031	1373.375	1.345
10	79u	1373.196	1383.526	10.331
30	81	1347.591	1338.803	-8.788
30	83	1472.569	1492.865	20.296
30	84	1400.612	1411.716	11.104
30	86	1272.932	1290.585	17.653
30	89	1359.614	1367.751	8.137
30	94u	1262.977	1275.913	12.936
30	96u	1286.243	1282.459	-3.784
30	98u	1378.721	1391.880	13.159
30	100u	1335.261	1342.626	7.365
30	102u	1366.122	1378.056	11.934
50	107	1345.983	1363.329	17.346
50	108	1299.228	1334.391	35.163
50	110	1411.714	1439.410	27.696
50	111	1449.300	1464.231	14.931
50	113	1343.980	1358.112	14.132
50	114u	1370.618	1391.346	20.728
50	115u	1424.837	1438.260	13.423
50	118u	1256.927	1279.231	22.304
50	119u	1280.419	1294.858	14.439
50	122u	1447.801	1468.381	20.581
100	125	1408.647	1449.924	41.276
100	126	1439.130	1478.876	39.746
100	127	1302.710	1340.059	37.349
100	128	1353.571	1365.403	11.832
100	129	1396.074	1423.316	27.242
100	130	1321.514	1331.020	9.505
100	132	1299.215	1295.803	-3.411
100	198	1364.860	1404.964	40.105
100	199	1374.699	1417.814	43.115
100	201	1376.805	1386.028	9.223
100	208	1421.241	1447.657	26.416
100	209	1459.621	1454.467	-5.154
100	210	1452.148	1483.761	31.614
100	214	1399.435	1449.219	49.784



26.1 GM@2uASrc VIN5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1900	USIEMENS
Min Limit	900	USIEMENS

krad(Si)	0	3	10	30	50	100
LL	900.000	900.000	900.000	900.000	900.000	900.000
Min	1228.755	1125.541	1261.191	1275.913	1279.231	1295.803
Average	1228.755	1331.717	1359.321	1357.265	1383.155	1410.113
Max	1228.755	1477.446	1424.692	1492.865	1468.381	1567.554
UL	1900.000	1900.000	1900.000	1900.000	1900.000	1900.000



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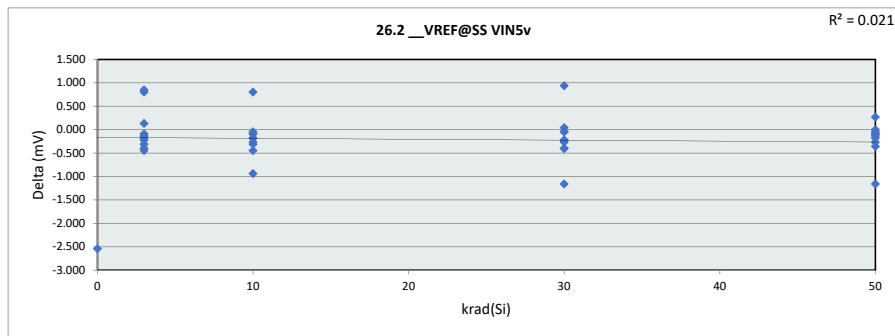
100	217	1337.604	1378.986	41.382
100	218	1303.376	1306.957	3.581
100	219	1384.982	1454.596	69.613
100	220	1456.030	1490.159	34.130
100	317	1324.680	1326.711	2.031
100	318	1365.322	1385.078	19.756
100	322	1546.944	1567.554	20.610
100	323	1336.238	1353.805	17.567
100	325u	1423.781	1444.756	20.975
100	327u	1417.773	1439.543	21.770
100	330u	1344.195	1355.779	11.584
100	332u	1417.375	1425.706	8.331
100	333u	1384.691	1415.110	30.419
	Max	1546.944	1567.554	69.613
	Average	1363.871	1376.712	12.841
	Min	1122.199	1125.541	-150.232
	Std Dev	67.791	74.941	25.210

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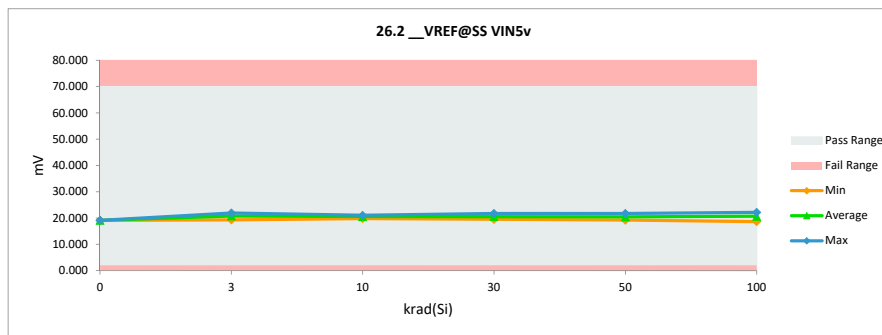
26.2_VREF@SS VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	mV	mV
Max Limit	70	70
Min Limit	2	2

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	21.637	19.094	-2.543
3	48	21.994	21.905	-0.089
3	49	21.637	21.459	-0.178
3	51	20.433	21.281	0.848
3	54	19.496	19.272	-0.223
3	56	20.165	19.853	-0.312
3	57u	21.593	21.191	-0.402
3	58u	20.343	20.477	0.134
3	59u	20.834	20.700	-0.134
3	61u	19.629	20.433	0.803
3	62u	21.682	21.236	-0.446
10	65	20.745	19.808	-0.937
10	67	20.209	21.013	0.803
10	68	20.477	20.299	-0.178
10	73	20.968	20.790	-0.178
10	74	20.745	20.656	-0.089
10	75u	20.388	20.343	-0.045
10	76u	20.834	20.522	-0.312
10	77u	20.656	20.566	-0.089
10	78u	21.013	20.566	-0.446
10	79u	21.057	20.790	-0.268
30	81	21.370	20.968	-0.402
30	83	21.281	21.325	0.045
30	84	21.459	20.299	-1.160
30	86	21.281	21.236	-0.045
30	89	20.254	19.986	-0.268
30	94u	19.629	19.585	-0.045
30	96u	19.719	19.496	-0.223
30	98u	20.790	21.727	0.937
30	100u	20.031	19.629	-0.402
30	102u	20.834	20.611	-0.223
50	107	19.540	19.183	-0.357
50	108	19.986	19.853	-0.134
50	110	22.351	21.191	-1.160
50	111	20.566	20.388	-0.178
50	113	21.994	21.727	-0.268
50	114u	20.522	20.522	0.000
50	115u	20.165	20.076	-0.089
50	118u	20.031	20.299	0.268
50	119u	19.763	19.674	-0.089
50	122u	21.057	21.013	-0.045
100	125	20.611	20.745	0.134
100	126	21.414	21.504	0.089
100	127	18.692	18.648	-0.045
100	128	21.861	20.700	-1.160
100	129	19.942	20.120	0.178
100	130	20.611	20.477	-0.134
100	132	20.299	20.209	-0.089
100	198	20.120	20.120	0.000
100	199	21.459	21.459	0.000
100	201	20.477	20.209	-0.268
100	208	21.637	21.593	-0.045
100	209	21.637	19.897	-1.740
100	210	21.459	20.968	-0.491
100	214	21.370	21.013	-0.357



26.2_VREF@SS VIN5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	70	mV
Min Limit	2	mV

krad(Si)	0	3	10	30	50	100
LL	2.000	2.000	2.000	2.000	2.000	2.000
Min	19.094	19.272	19.808	19.496	19.183	18.648
Average	19.094	20.781	20.535	20.486	20.392	20.659
Max	19.094	21.905	21.013	21.727	21.727	22.128
UL	70.000	70.000	70.000	70.000	70.000	70.000



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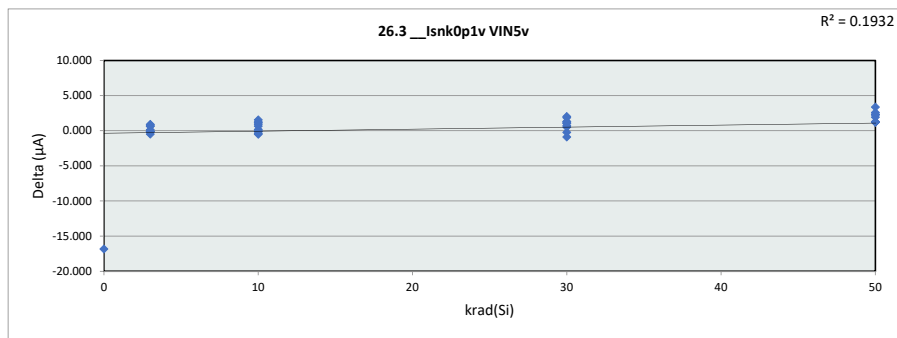
100	217	22.218	22.128	-0.089
100	218	20.343	19.763	-0.580
100	219	21.057	21.102	0.045
100	220	21.950	21.548	-0.402
100	317	21.281	19.942	-1.339
100	318	21.905	21.548	-0.357
100	322	21.950	21.771	-0.179
100	323	21.236	19.763	-1.472
100	325u	20.433	20.209	-0.223
100	327u	20.968	19.853	-1.116
100	330u	20.924	20.522	-0.402
100	332u	21.147	20.968	-0.179
100	333u	21.102	21.013	-0.089
	Max	22.351	22.128	0.937
	Average	20.842	20.571	-0.271
	Min	18.692	18.648	-2.543
	Std Dev	0.762	0.748	0.558

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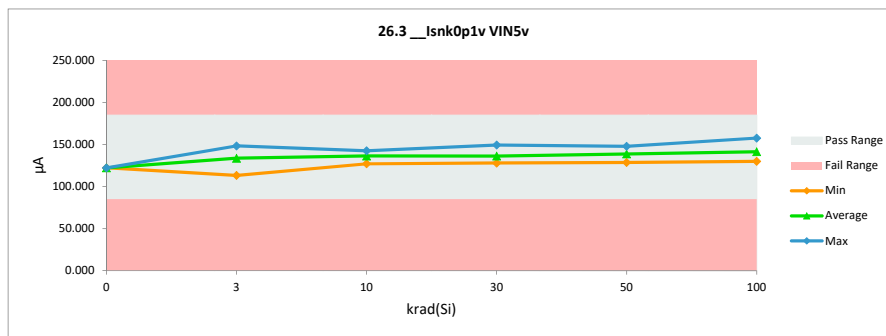
26.3_Isnk0p1v VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	µA	µA
Max Limit	185	185
Min Limit	85	85

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	139.083	122.258	-16.826
3	48	126.804	126.698	-0.106
3	49	143.289	143.933	0.644
3	51	135.056	135.878	0.822
3	54	130.291	131.194	0.903
3	56	128.491	128.016	-0.475
3	57u	138.168	137.996	-0.172
3	58u	138.933	139.568	0.634
3	59u	132.063	131.953	-0.109
3	61u	113.156	113.281	0.125
3	62u	148.385	148.295	-0.091
10	65	127.929	129.182	1.253
10	67	137.227	136.831	-0.397
10	68	138.321	138.171	-0.150
10	73	136.684	137.340	0.656
10	74	138.609	138.577	-0.031
10	75u	135.146	136.693	1.547
10	76u	143.058	142.548	-0.509
10	77u	126.151	127.070	0.919
10	78u	137.784	137.962	0.178
10	79u	137.909	139.030	1.122
30	81	135.893	134.997	-0.897
30	83	147.473	149.344	1.872
30	84	140.377	141.461	1.084
30	86	128.241	130.260	2.018
30	89	136.134	136.646	0.512
30	94u	126.666	127.919	1.253
30	96u	128.850	128.622	-0.228
30	98u	138.515	139.830	1.316
30	100u	134.184	134.875	0.691
30	102u	137.281	138.312	1.031
50	107	134.256	136.174	1.918
50	108	130.210	133.572	3.362
50	110	141.955	144.536	2.581
50	111	145.133	146.376	1.244
50	113	135.712	136.912	1.200
50	114u	137.581	139.821	2.240
50	115u	142.673	143.898	1.225
50	118u	126.263	128.600	2.337
50	119u	128.244	129.513	1.269
50	122u	145.526	147.813	2.287
100	125	141.033	144.895	3.862
100	126	144.145	147.895	3.749
100	127	130.110	133.537	3.428
100	128	136.340	137.706	1.366
100	129	139.677	142.289	2.612
100	130	132.931	133.768	0.837
100	132	130.531	130.091	-0.441
100	198	136.549	140.458	3.909
100	199	138.302	142.605	4.303
100	201	138.474	139.046	0.572
100	208	142.973	145.467	2.493
100	209	146.370	145.001	-1.368
100	210	145.467	148.576	3.109
100	214	140.696	145.389	4.693



26.3_Isnk0p1v VIN5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	185	µA
Min Limit	85	µA

krad(Si)	0	3	10	30	50	100
LL	85.000	85.000	85.000	85.000	85.000	85.000
Min	122.258	113.281	127.070	127.919	128.601	130.091
Average	122.258	133.681	136.340	136.227	138.722	141.357
Max	122.258	148.295	142.549	149.344	147.813	157.693
UL	185.000	185.000	185.000	185.000	185.000	185.000



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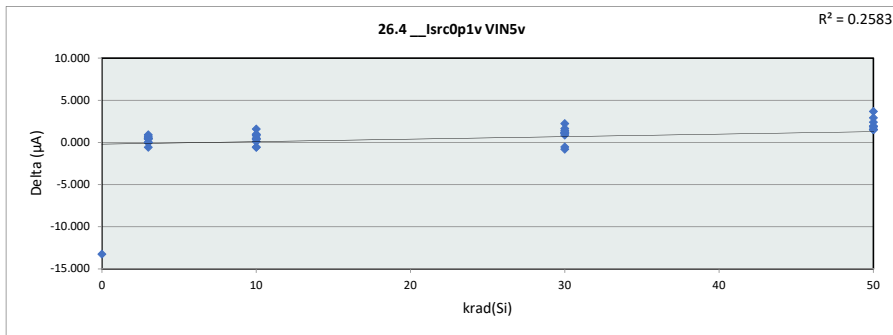
100	217	134.668	138.865	4.196
100	218	130.844	130.922	0.078
100	219	139.605	146.201	6.596
100	220	146.070	149.532	3.462
100	317	132.562	132.884	0.322
100	318	137.415	139.236	1.822
100	322	155.606	157.693	2.087
100	323	133.515	135.150	1.634
100	325u	142.598	144.445	1.847
100	327u	142.030	143.992	1.962
100	330u	134.703	136.131	1.428
100	332u	142.302	143.073	0.772
100	333u	138.990	141.799	2.809
	Max	155.606	157.693	6.596
	Average	136.885	138.068	1.182
	Min	113.156	113.281	-16.826
	Std Dev	6.765	7.477	2.680

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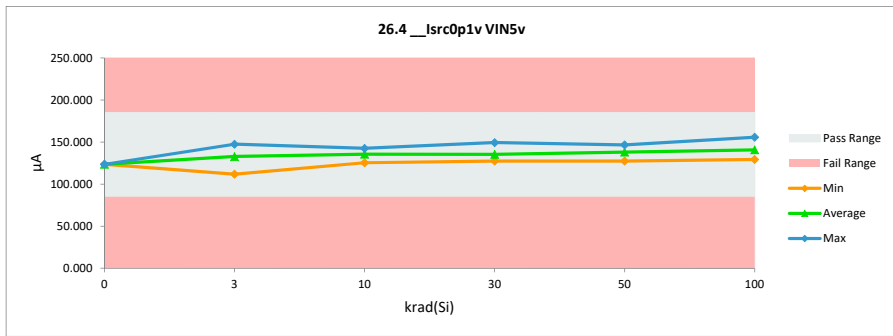
26.4 _IsrcOp1v VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	µA	µA
Max Limit	185	185
Min Limit	85	85

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	136.783	123.538	-13.245
3	48	124.626	124.632	0.006
3	49	141.880	142.339	0.459
3	51	134.087	134.987	0.900
3	54	131.406	132.140	0.734
3	56	128.035	127.454	-0.581
3	57u	136.937	136.943	0.006
3	58u	138.415	138.949	0.534
3	59u	131.094	131.059	-0.034
3	61u	111.387	111.828	0.441
3	62u	147.054	147.438	0.384
10	65	127.275	128.225	0.950
10	67	137.018	137.361	0.344
10	68	138.714	138.165	-0.550
10	73	135.459	135.880	0.422
10	74	137.196	137.674	0.478
10	75u	134.818	136.412	1.594
10	76u	143.036	142.467	-0.569
10	77u	124.454	125.401	0.947
10	78u	136.768	136.846	0.078
10	79u	136.802	137.611	0.809
30	81	133.712	132.912	-0.800
30	83	147.145	149.369	2.225
30	84	139.799	140.939	1.140
30	86	126.419	128.060	1.640
30	89	135.906	136.955	1.050
30	94u	126.013	127.432	1.419
30	96u	128.578	128.035	-0.544
30	98u	137.430	138.533	1.103
30	100u	133.000	133.862	0.862
30	102u	136.090	137.318	1.228
50	107	135.037	136.555	1.519
50	108	129.728	133.400	3.671
50	110	140.533	143.454	2.922
50	111	144.704	146.560	1.856
50	113	133.206	134.737	1.531
50	114u	136.559	138.496	1.937
50	115u	142.395	143.926	1.531
50	118u	125.029	127.422	2.393
50	119u	127.919	129.450	1.531
50	122u	144.051	145.948	1.897
100	125	140.711	145.217	4.506
100	126	143.629	147.991	4.362
100	127	130.631	134.565	3.934
100	128	134.509	135.505	0.997
100	129	139.752	142.358	2.606
100	130	131.391	132.587	1.197
100	132	129.484	129.335	-0.150
100	198	136.421	140.664	4.243
100	199	136.618	141.105	4.487
100	201	136.971	138.174	1.203
100	208	141.320	144.095	2.775
100	209	145.726	146.045	0.319
100	210	144.939	148.285	3.346
100	214	139.264	144.623	5.359



26.4 _IsrcOp1v VIN5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	185	µA
Min Limit	85	µA

krad(Si)	0	3	10	30	50	100
LL	85.000	85.000	85.000	85.000	85.000	85.000
Min	123.539	111.828	125.401	127.432	127.422	129.335
Average	123.539	132.777	135.604	135.341	137.995	140.741
Max	123.539	147.438	142.467	149.369	146.560	155.815
UL	185.000	185.000	185.000	185.000	185.000	185.000



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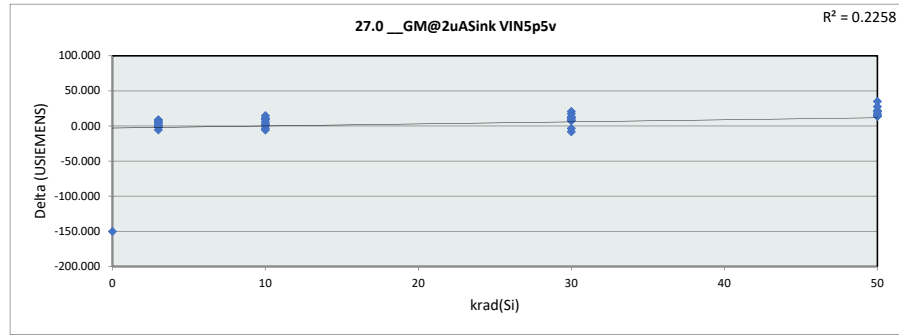
100	217	132.968	136.943	3.974
100	218	129.941	130.347	0.406
100	219	137.540	144.717	7.177
100	220	145.192	148.538	3.346
100	317	132.522	132.590	0.069
100	318	135.824	137.768	1.943
100	322	153.881	155.815	1.934
100	323	133.749	135.640	1.890
100	325u	142.355	144.539	2.184
100	327u	141.673	144.057	2.384
100	330u	134.275	135.190	0.915
100	332u	141.205	142.148	0.944
100	333u	138.130	141.173	3.043
	Max	153.881	155.815	7.177
	Average	135.987	137.364	1.377
	Min	111.387	111.828	-13.245
	Std Dev	6.804	7.530	2.388

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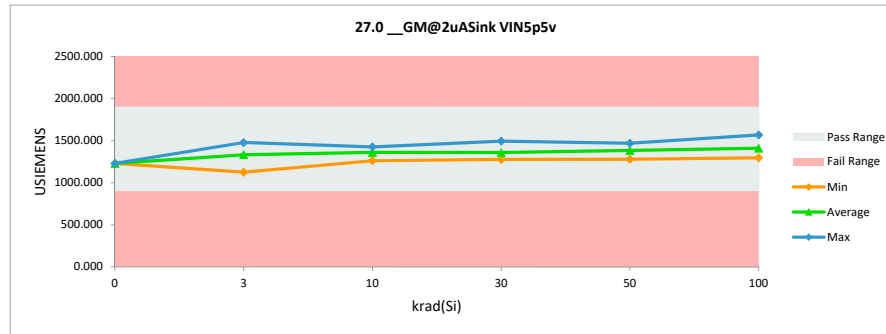
27.0_GM@2uASink VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	USIEMENS	USIEMENS
Max Limit	1900	1900
Min Limit	900	900

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	1380.055	1229.929	-150.126
3	48	1257.437	1257.303	-0.134
3	49	1426.761	1431.813	5.052
3	51	1346.369	1354.974	8.605
3	54	1309.595	1318.078	8.483
3	56	1283.351	1277.757	-5.594
3	57u	1376.899	1375.202	-1.697
3	58u	1387.249	1393.364	6.115
3	59u	1316.359	1315.156	-1.203
3	61u	1123.757	1126.723	2.966
3	62u	1477.925	1478.496	0.571
10	65	1276.698	1287.968	11.270
10	67	1371.235	1371.649	0.414
10	68	1385.712	1382.471	-3.242
10	73	1361.250	1366.818	5.568
10	74	1379.594	1382.333	2.739
10	75u	1351.035	1365.876	14.841
10	76u	1431.561	1425.883	-5.678
10	77u	1253.803	1262.834	9.032
10	78u	1372.965	1374.737	1.772
10	79u	1374.438	1384.162	9.724
30	81	1348.431	1340.127	-8.304
30	83	1473.688	1494.301	20.612
30	84	1402.078	1412.079	10.002
30	86	1274.247	1291.800	17.553
30	89	1360.867	1368.719	7.851
30	94u	1264.216	1277.039	12.823
30	96u	1287.319	1283.930	-3.389
30	98u	1379.862	1392.377	12.515
30	100u	1336.640	1344.132	7.492
30	102u	1367.366	1379.051	11.685
50	107	1347.502	1364.633	17.130
50	108	1300.297	1335.390	35.094
50	110	1413.251	1440.750	27.499
50	111	1450.066	1464.887	14.821
50	113	1345.657	1359.675	14.018
50	114u	1371.930	1392.250	20.320
50	115u	1426.030	1439.856	13.826
50	118u	1257.837	1279.701	21.864
50	119u	1281.779	1295.925	14.146
50	122u	1448.948	1469.855	20.907
100	125	1410.094	1451.144	41.050
100	126	1440.328	1480.285	39.957
100	127	1304.031	1341.380	37.349
100	128	1354.667	1366.116	11.449
100	129	1396.981	1424.467	27.486
100	130	1322.381	1332.522	10.140
100	132	1300.756	1297.326	-3.430
100	198	1366.346	1406.296	39.949
100	199	1375.901	1419.080	43.179
100	201	1378.136	1387.012	8.875
100	208	1422.263	1448.413	26.150
100	209	1461.488	1455.787	-5.701
100	210	1453.162	1484.733	31.570
100	214	1400.763	1450.594	49.832



27.0_GM@2uASink VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1900	USIEMENS
Min Limit	900	USIEMENS

krad(Si)	0	3	10	30	50	100
LL	900.000	900.000	900.000	900.000	900.000	900.000
Min	1229.929	1126.723	1262.834	1277.039	1279.701	1297.326
Average	1229.929	1332.887	1360.473	1358.355	1384.292	1411.212
Max	1229.929	1478.496	1425.883	1494.301	1469.855	1568.629
UL	1900.000	1900.000	1900.000	1900.000	1900.000	1900.000



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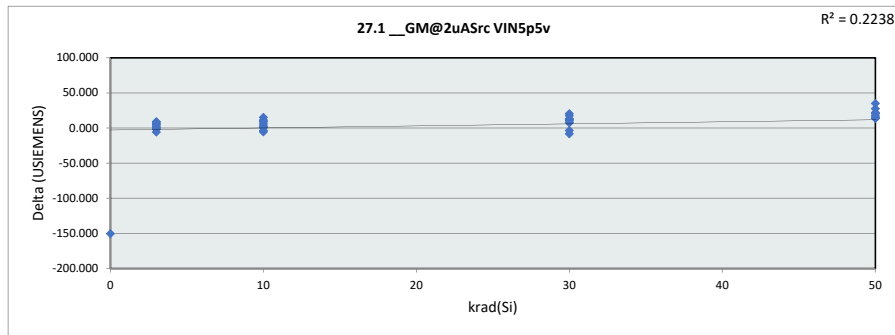
100	217	1338.666	1379.443	40.778
100	218	1305.011	1307.965	2.954
100	219	1386.477	1455.255	68.778
100	220	1457.204	1491.078	33.873
100	317	1326.151	1327.812	1.661
100	318	1366.426	1385.876	19.450
100	322	1548.159	1568.629	20.470
100	323	1337.342	1354.696	17.354
100	325u	1425.241	1445.883	20.643
100	327u	1419.013	1441.198	22.185
100	330u	1345.621	1357.220	11.599
100	332u	1418.497	1426.608	8.111
100	333u	1385.755	1415.902	30.148
	Max	1548.159	1568.629	68.778
	Average	1365.131	1377.834	12.703
	Min	1123.757	1126.723	-150.126
	Std Dev	67.758	74.913	25.163

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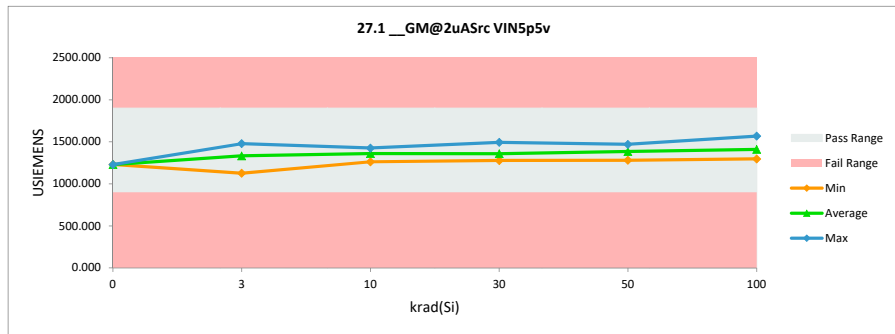
27.1 GM@2uASrc VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	USIEMENS	USIEMENS
Max Limit	1900	1900
Min Limit	900	900

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	1380.043	1229.749	-150.293
3	48	1257.400	1257.745	0.345
3	49	1426.692	1432.054	5.363
3	51	1346.260	1355.304	9.044
3	54	1309.702	1318.135	8.433
3	56	1283.342	1277.652	-5.691
3	57u	1376.571	1374.927	-1.644
3	58u	1387.259	1393.348	6.089
3	59u	1316.071	1315.133	-0.938
3	61u	1123.669	1126.574	2.905
3	62u	1477.700	1478.842	1.142
10	65	1276.652	1288.031	11.380
10	67	1371.528	1371.928	0.400
10	68	1385.872	1382.263	-3.609
10	73	1361.245	1367.201	5.956
10	74	1379.749	1382.667	2.918
10	75u	1351.080	1366.224	15.144
10	76u	1431.542	1425.917	-5.625
10	77u	1253.673	1262.579	8.906
10	78u	1373.141	1374.751	1.609
10	79u	1374.217	1384.121	9.904
30	81	1348.502	1340.146	-8.356
30	83	1473.448	1493.919	20.471
30	84	1401.778	1412.231	10.453
30	86	1274.043	1291.630	17.586
30	89	1360.726	1368.487	7.761
30	94u	1264.155	1277.324	13.169
30	96u	1287.461	1283.953	-3.508
30	98u	1379.906	1392.431	12.525
30	100u	1336.489	1344.137	7.648
30	102u	1367.400	1379.186	11.786
50	107	1347.373	1364.520	17.147
50	108	1300.297	1335.280	34.984
50	110	1413.306	1440.710	27.404
50	111	1450.045	1464.835	14.790
50	113	1345.663	1359.916	14.253
50	114u	1371.455	1392.071	20.616
50	115u	1426.061	1439.562	13.500
50	118u	1257.953	1280.061	22.107
50	119u	1281.356	1296.216	14.860
50	122u	1449.314	1469.710	20.396
100	125	1410.206	1450.889	40.683
100	126	1440.470	1480.266	39.796
100	127	1303.968	1341.261	37.293
100	128	1354.792	1366.344	11.552
100	129	1396.995	1424.160	27.164
100	130	1322.327	1331.944	9.617
100	132	1300.416	1297.139	-3.277
100	198	1366.227	1406.285	40.058
100	199	1375.891	1418.985	43.094
100	201	1378.136	1386.986	8.850
100	208	1422.407	1448.643	26.236
100	209	1461.658	1455.713	-5.945
100	210	1453.128	1484.403	31.275
100	214	1400.833	1449.986	49.153



27.1 GM@2uASrc VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1900	USIEMENS
Min Limit	900	USIEMENS

krad(Si)	0	3	10	30	50	100
LL	900.000	900.000	900.000	900.000	900.000	900.000
Min	1229.749	1126.574	1262.580	1277.324	1280.061	1297.139
Average	1229.749	1332.971	1360.568	1358.344	1384.288	1411.180
Max	1229.749	1478.842	1425.917	1493.919	1469.710	1568.923
UL	1900.000	1900.000	1900.000	1900.000	1900.000	1900.000



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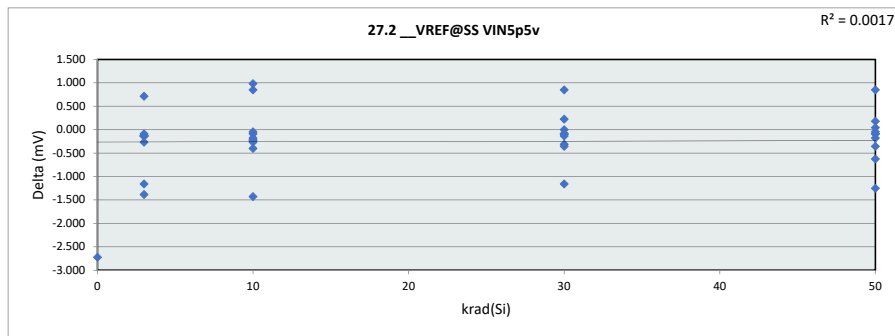
100	217	1338.763	1379.240	40.477
100	218	1304.783	1308.273	3.490
100	219	1386.496	1455.390	68.894
100	220	1456.960	1490.806	33.846
100	317	1326.015	1327.792	1.777
100	318	1366.703	1386.448	19.745
100	322	1548.277	1568.923	20.646
100	323	1337.126	1354.786	17.660
100	325u	1425.056	1445.730	20.674
100	327u	1419.240	1441.932	22.692
100	330u	1345.882	1357.560	11.678
100	332u	1418.582	1426.066	7.483
100	333u	1385.524	1415.897	30.373
	Max	1548.277	1568.923	68.894
	Average	1365.103	1377.843	12.740
	Min	1123.669	1126.574	-150.293
	Std Dev	67.790	74.889	25.147

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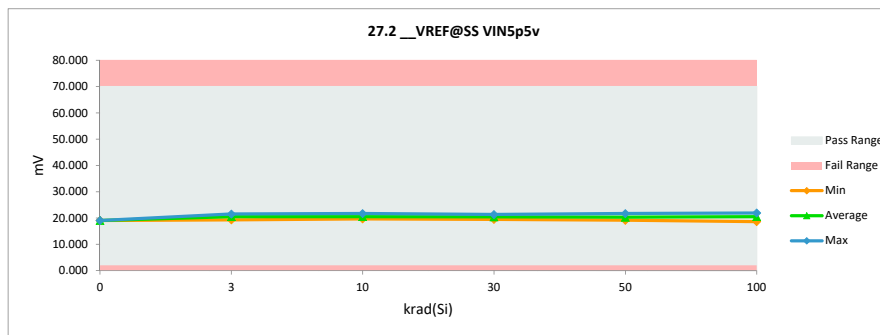
27.2 VREF@SS VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	mV	mV
Max Limit	70	70
Min Limit	2	2

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	21.771	19.049	-2.722
3	48	20.879	20.790	-0.089
3	49	21.637	21.504	-0.134
3	51	20.343	20.209	-0.134
3	54	19.406	19.272	-0.134
3	56	20.031	20.745	0.714
3	57u	21.414	21.281	-0.134
3	58u	21.325	20.165	-1.160
3	59u	21.905	20.522	-1.383
3	61u	19.451	19.317	-0.134
3	62u	21.459	21.191	-0.268
10	65	19.719	19.674	-0.045
10	67	20.120	19.897	-0.223
10	68	20.433	20.209	-0.223
10	73	20.834	21.682	0.848
10	74	20.656	20.477	-0.179
10	75u	20.254	21.236	0.982
10	76u	21.771	20.343	-1.428
10	77u	20.522	20.433	-0.089
10	78u	20.834	20.566	-0.268
10	79u	20.879	20.477	-0.402
30	81	21.191	20.879	-0.312
30	83	21.102	21.325	0.223
30	84	20.433	20.343	-0.089
30	86	21.191	21.102	-0.089
30	89	20.209	19.853	-0.357
30	94u	19.540	20.388	0.848
30	96u	20.611	19.451	-1.160
30	98u	20.611	20.611	0.000
30	100u	19.719	19.629	-0.089
30	102u	20.611	20.477	-0.134
50	107	19.228	19.139	-0.089
50	108	19.629	19.540	-0.089
50	110	21.147	21.102	-0.045
50	111	20.433	20.076	-0.357
50	113	22.931	21.682	-1.249
50	114u	20.343	20.522	0.179
50	115u	20.031	20.076	0.045
50	118u	19.942	19.317	-0.625
50	119u	19.674	20.522	0.848
50	122u	21.147	20.968	-0.179
100	125	21.504	20.566	-0.937
100	126	20.299	20.477	0.178
100	127	18.603	18.603	0.000
100	128	20.790	20.566	-0.223
100	129	19.897	20.031	0.134
100	130	20.433	20.299	-0.134
100	132	20.299	20.120	-0.178
100	198	20.031	19.808	-0.223
100	199	21.459	21.459	0.000
100	201	20.209	20.031	-0.178
100	208	21.593	21.414	-0.178
100	209	20.522	19.853	-0.669
100	210	21.191	20.834	-0.357
100	214	21.191	21.013	-0.179



27.2 VREF@SS VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	70	mV
Min Limit	2	mV

krad(Si)	0	3	10	30	50	100
LL	2.000	2.000	2.000	2.000	2.000	2.000
Min	19.049	19.272	19.674	19.451	19.139	18.603
Average	19.049	20.500	20.500	20.406	20.294	20.492
Max	19.049	21.504	21.682	21.325	21.682	21.905
UL	70.000	70.000	70.000	70.000	70.000	70.000



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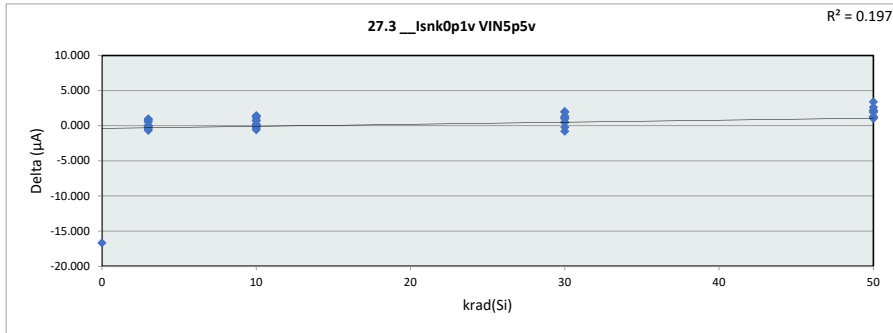
100	217	21.191	21.147	-0.045
100	218	20.165	19.629	-0.535
100	219	20.790	21.905	1.116
100	220	21.682	21.459	-0.223
100	317	20.120	19.853	-0.268
100	318	21.727	21.459	-0.268
100	322	21.905	21.727	-0.178
100	323	21.057	19.629	-1.428
100	325u	20.343	20.076	-0.268
100	327u	19.897	19.719	-0.179
100	330u	20.745	20.343	-0.402
100	332u	21.102	21.057	-0.045
100	333u	20.968	20.209	-0.759
	Max	22.931	21.905	1.116
	Average	20.663	20.431	-0.232
	Min	18.603	18.603	-2.722
	Std Dev	0.772	0.737	0.592

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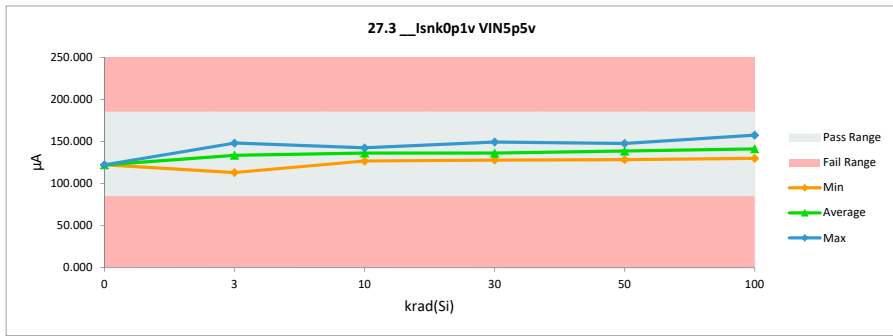
27.3_Isnk0p1v_VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	µA	µA
Max Limit	185	185
Min Limit	85	85

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	138.940	122.273	-16.666
3	48	126.685	126.651	-0.034
3	49	143.211	143.883	0.672
3	51	134.965	135.862	0.897
3	54	130.313	131.278	0.965
3	56	128.504	127.838	-0.666
3	57u	138.230	137.780	-0.450
3	58u	138.952	139.493	0.541
3	59u	131.922	131.881	-0.041
3	61u	113.109	113.150	0.041
3	62u	148.338	148.163	-0.175
10	65	127.835	129.253	1.418
10	67	137.168	136.843	-0.325
10	68	138.271	138.115	-0.156
10	73	136.665	137.343	0.678
10	74	138.524	138.624	0.100
10	75u	135.131	136.484	1.353
10	76u	143.036	142.452	-0.584
10	77u	126.026	126.820	0.794
10	78u	137.718	137.909	0.191
10	79u	137.771	138.943	1.172
30	81	135.728	134.953	-0.775
30	83	147.360	149.379	2.018
30	84	140.308	141.471	1.162
30	86	128.160	130.085	1.925
30	89	136.099	136.565	0.466
30	94u	126.538	127.901	1.362
30	96u	128.782	128.560	-0.222
30	98u	138.462	139.565	1.103
30	100u	134.175	134.684	0.509
30	102u	137.249	138.243	0.994
50	107	134.190	136.115	1.925
50	108	130.125	133.503	3.378
50	110	141.917	144.545	2.628
50	111	145.120	146.295	1.175
50	113	135.734	136.887	1.153
50	114u	137.596	139.633	2.037
50	115u	142.630	143.676	1.047
50	118u	126.270	128.457	2.187
50	119u	128.166	129.494	1.328
50	122u	145.561	147.701	2.140
100	125	140.908	144.833	3.924
100	126	144.329	147.882	3.553
100	127	130.081	133.581	3.499
100	128	136.246	137.540	1.294
100	129	139.436	142.380	2.943
100	130	132.891	133.697	0.806
100	132	130.444	129.972	-0.472
100	198	136.437	140.383	3.946
100	199	138.199	142.605	4.406
100	201	138.415	138.993	0.578
100	208	142.995	145.395	2.400
100	209	146.304	144.776	-1.528
100	210	145.432	148.560	3.128
100	214	140.633	145.301	4.668



27.3_Isnk0p1v_VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	185	µA
Min Limit	85	µA

krad(Si)	0	3	10	30	50	100
LL	85.000	85.000	85.000	85.000	85.000	85.000
Min	122.273	113.150	126.820	127.901	128.457	129.972
Average	122.273	133.598	136.278	136.140	138.631	141.295
Max	122.273	148.163	142.452	149.379	147.701	157.668
UL	185.000	185.000	185.000	185.000	185.000	185.000



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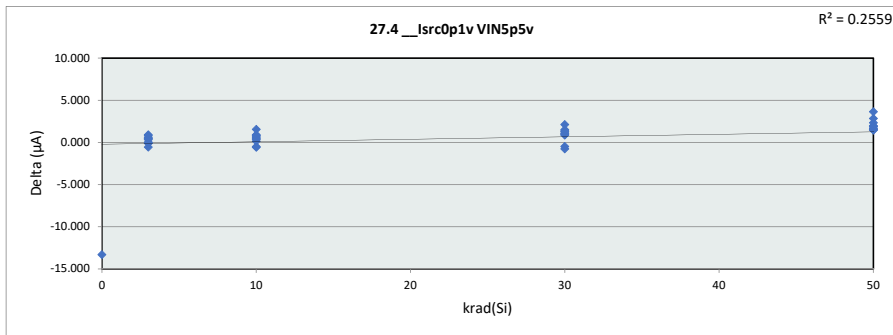
100	217	134.543	138.733	4.190
100	218	130.816	130.878	0.063
100	219	139.415	146.214	6.799
100	220	145.898	149.488	3.590
100	317	132.547	132.772	0.225
100	318	137.293	139.180	1.887
100	322	155.565	157.668	2.103
100	323	133.487	135.131	1.643
100	325u	142.464	144.364	1.900
100	327u	141.808	144.123	2.315
100	330u	134.784	135.990	1.206
100	332u	142.167	142.870	0.703
100	333u	138.905	141.649	2.743
	Max	155.565	157.668	6.799
	Average	136.822	137.996	1.173
	Min	113.109	113.150	-16.666
	Std Dev	6.766	7.485	2.682

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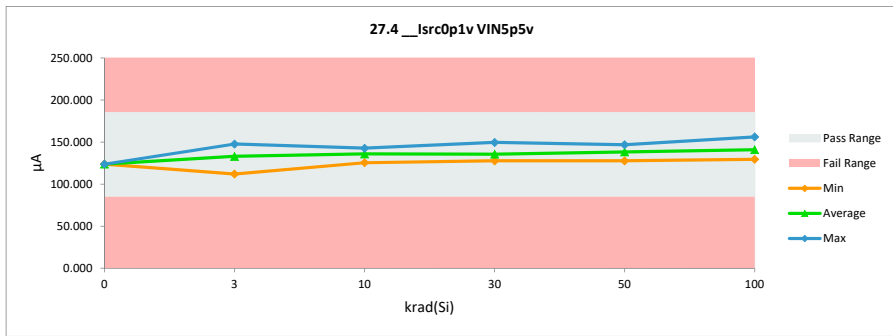
27.4_Isrc0p1v VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	µA	µA
Max Limit	185	185
Min Limit	85	85

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	137.030	123.725	-13.305
3	48	124.851	124.884	0.033
3	49	142.126	142.638	0.512
3	51	134.267	135.169	0.901
3	54	131.637	132.425	0.787
3	56	128.208	127.656	-0.552
3	57u	137.222	137.113	-0.109
3	58u	138.632	139.171	0.539
3	59u	131.257	131.169	-0.088
3	61u	111.639	112.071	0.432
3	62u	147.268	147.597	0.330
10	65	127.496	128.404	0.907
10	67	137.153	137.520	0.367
10	68	138.922	138.415	-0.507
10	73	135.655	136.091	0.435
10	74	137.425	137.993	0.568
10	75u	135.115	136.654	1.539
10	76u	143.249	142.674	-0.575
10	77u	124.697	125.472	0.775
10	78u	136.964	137.099	0.135
10	79u	137.034	137.810	0.775
30	81	133.859	133.097	-0.762
30	83	147.400	149.514	2.115
30	84	139.979	141.020	1.041
30	86	126.737	128.238	1.501
30	89	136.181	137.120	0.939
30	94u	126.272	127.627	1.356
30	96u	128.769	128.294	-0.475
30	98u	137.614	138.734	1.120
30	100u	133.218	134.087	0.869
30	102u	136.261	137.553	1.293
50	107	135.309	136.879	1.570
50	108	129.956	133.583	3.626
50	110	140.775	143.616	2.841
50	111	144.925	146.780	1.855
50	113	133.400	135.063	1.663
50	114u	136.738	138.694	1.956
50	115u	142.651	144.145	1.493
50	118u	125.313	127.638	2.325
50	119u	128.184	129.635	1.452
50	122u	144.247	146.174	1.928
100	125	141.004	145.449	4.445
100	126	143.855	148.191	4.337
100	127	130.871	134.686	3.815
100	128	134.696	135.717	1.020
100	129	139.916	142.574	2.658
100	130	131.615	132.824	1.209
100	132	129.726	129.501	-0.225
100	198	136.718	140.891	4.174
100	199	136.931	141.247	4.316
100	201	137.219	138.419	1.200
100	208	141.484	144.267	2.782
100	209	145.909	146.201	0.292
100	210	145.245	148.458	3.213
100	214	139.534	144.754	5.220



27.4_Isrc0p1v VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	185	µA
Min Limit	85	µA

krad(Si)	0	3	10	30	50	100
LL	85.000	85.000	85.000	85.000	85.000	85.000
Min	123.725	112.071	125.472	127.627	127.638	129.501
Average	123.725	132.989	135.813	135.529	138.221	140.937
Max	123.725	147.597	142.675	149.514	146.780	156.066
UL	185.000	185.000	185.000	185.000	185.000	185.000



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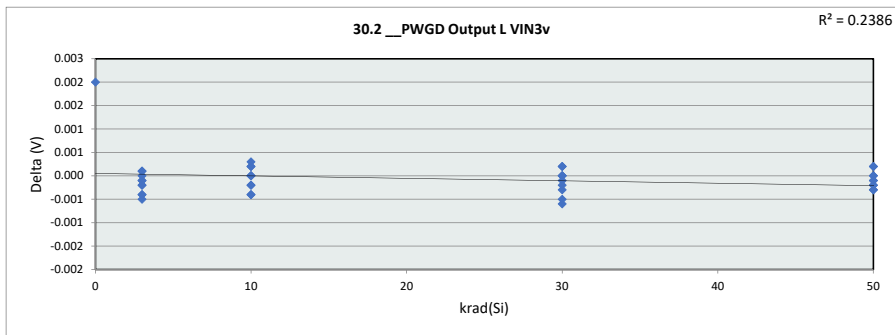
100	217	133.270	137.054	3.783
100	218	130.269	130.664	0.396
100	219	137.882	144.909	7.027
100	220	145.477	148.700	3.223
100	317	132.686	132.728	0.042
100	318	135.984	138.025	2.041
100	322	154.096	156.066	1.970
100	323	134.004	135.859	1.854
100	325u	142.506	144.750	2.244
100	327u	141.893	144.302	2.409
100	330u	134.569	135.371	0.802
100	332u	141.478	142.320	0.842
100	333u	138.307	141.371	3.064
	Max	154.096	156.066	7.027
	Average	136.217	137.567	1.349
	Min	111.639	112.071	-13.305
	Std Dev	6.799	7.527	2.371

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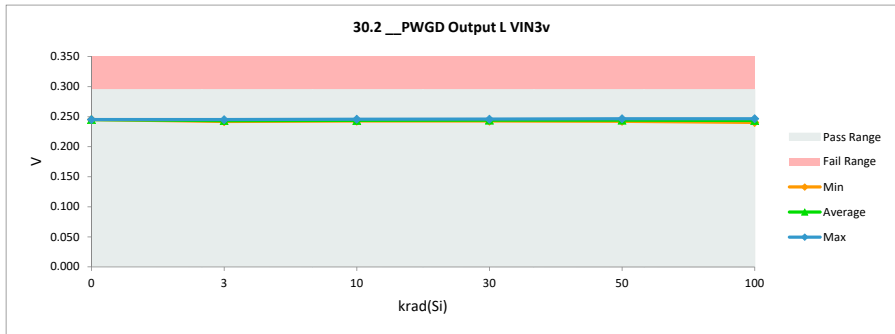
30.2_PWGD Output L VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	0.295	0.295
Min Limit	0	0

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	0.243	0.245	0.002
3	48	0.245	0.245	0.000
3	49	0.244	0.243	0.000
3	51	0.245	0.245	0.000
3	54	0.243	0.243	0.000
3	56	0.244	0.243	0.000
3	57u	0.243	0.243	0.000
3	58u	0.243	0.244	0.000
3	59u	0.242	0.242	-0.001
3	61u	0.243	0.242	0.000
3	62u	0.244	0.244	0.000
10	65	0.245	0.246	0.000
10	67	0.245	0.245	0.000
10	68	0.243	0.243	0.000
10	73	0.243	0.243	0.000
10	74	0.243	0.243	0.000
10	75u	0.243	0.243	0.000
10	76u	0.243	0.243	0.000
10	77u	0.243	0.243	0.000
10	78u	0.246	0.245	0.000
10	79u	0.243	0.243	0.000
30	81	0.246	0.245	0.000
30	83	0.246	0.246	-0.001
30	84	0.244	0.244	0.000
30	86	0.244	0.244	0.000
30	89	0.244	0.244	0.000
30	94u	0.243	0.243	0.000
30	96u	0.243	0.243	0.000
30	98u	0.243	0.243	0.000
30	100u	0.243	0.244	0.000
30	102u	0.245	0.246	0.000
50	107	0.245	0.245	0.000
50	108	0.244	0.244	0.000
50	110	0.244	0.244	0.000
50	111	0.247	0.247	0.000
50	113	0.244	0.244	0.000
50	114u	0.246	0.246	0.000
50	115u	0.244	0.244	0.000
50	118u	0.243	0.243	0.000
50	119u	0.242	0.243	0.000
50	122u	0.242	0.242	0.000
100	125	0.247	0.246	-0.001
100	126	0.244	0.244	0.000
100	127	0.243	0.243	0.000
100	128	0.244	0.243	0.000
100	129	0.244	0.243	0.000
100	130	0.244	0.244	0.000
100	132	0.245	0.244	-0.001
100	198	0.243	0.243	0.000
100	199	0.247	0.247	0.000
100	201	0.247	0.246	-0.001
100	208	0.243	0.242	-0.001
100	209	0.243	0.242	-0.001
100	210	0.246	0.245	-0.001
100	214	0.244	0.243	-0.001



30.2_PWGD Output L VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	0.295	V
Min Limit	0	V

krad(Si)	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.245	0.242	0.243	0.243	0.242	0.241
Average	0.245	0.243	0.244	0.244	0.244	0.244
Max	0.245	0.245	0.246	0.246	0.247	0.247
UL	0.295	0.295	0.295	0.295	0.295	0.295



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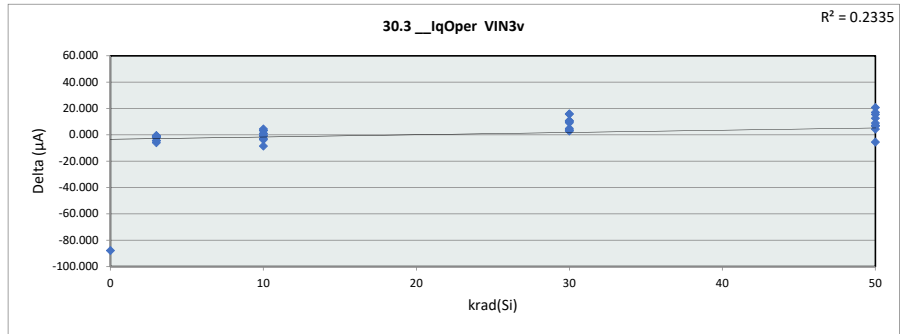
100	217	0.243	0.243	0.000
100	218	0.243	0.242	-0.001
100	219	0.244	0.243	-0.001
100	220	0.243	0.243	0.000
100	317	0.244	0.243	-0.001
100	318	0.245	0.245	0.000
100	322	0.243	0.243	0.000
100	323	0.244	0.244	-0.001
100	325u	0.244	0.244	0.000
100	327u	0.241	0.241	-0.001
100	330u	0.244	0.244	0.000
100	332u	0.243	0.243	-0.001
100	333u	0.243	0.244	0.000
	Max	0.247	0.247	0.002
	Average	0.244	0.244	0.000
	Min	0.241	0.241	-0.001
	Std Dev	0.001	0.001	0.000

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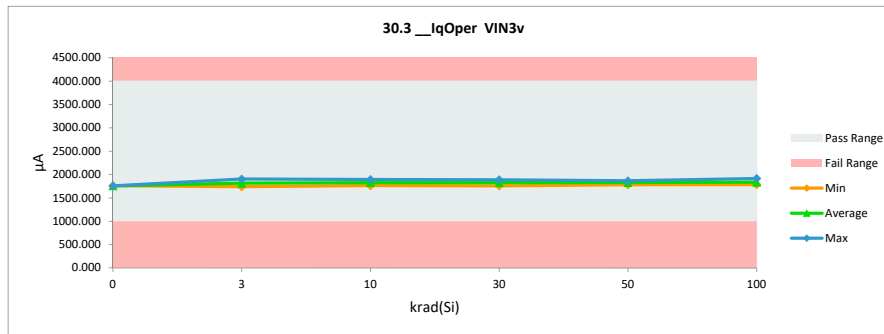
30.3 IqOper VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	µA	µA
Max Limit	4000	4000
Min Limit	1000	1000

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	1845.865	1758.072	-87.792
3	48	1773.177	1771.850	-1.327
3	49	1891.159	1889.380	-1.779
3	51	1863.223	1862.169	-1.054
3	54	1791.018	1790.088	-0.931
3	56	1814.974	1814.389	-0.585
3	57u	1790.657	1788.883	-1.774
3	58u	1819.004	1816.909	-2.095
3	59u	1773.843	1769.538	-4.305
3	61u	1746.641	1742.118	-4.523
3	62u	1907.889	1901.905	-5.984
10	65	1758.590	1761.828	3.238
10	67	1815.410	1812.437	-2.973
10	68	1844.514	1840.779	-3.735
10	73	1857.119	1860.441	3.322
10	74	1835.512	1834.665	-0.847
10	75u	1799.944	1800.709	0.764
10	76u	1892.269	1891.562	-0.707
10	77u	1796.621	1801.025	4.404
10	78u	1794.960	1786.378	-8.582
10	79u	1856.511	1857.533	1.022
30	81	1813.101	1816.798	3.697
30	83	1860.051	1864.849	4.798
30	84	1820.444	1831.243	10.798
30	86	1748.070	1757.247	9.177
30	89	1806.775	1816.645	9.870
30	94u	1793.644	1796.455	2.812
30	96u	1858.321	1861.719	3.398
30	98u	1775.062	1790.886	15.824
30	100u	1876.647	1887.112	10.465
30	102u	1811.775	1827.527	15.752
50	107	1812.303	1806.836	-5.467
50	108	1759.912	1780.592	20.680
50	110	1826.198	1832.908	6.710
50	111	1804.388	1811.207	6.819
50	113	1845.961	1861.411	15.450
50	114u	1830.526	1837.523	6.997
50	115u	1793.018	1801.997	8.979
50	118u	1835.664	1848.194	12.530
50	119u	1817.032	1821.395	4.363
50	122u	1847.631	1864.722	17.091
100	125	1782.561	1801.858	19.296
100	126	1831.826	1834.202	2.376
100	127	1816.834	1830.184	13.350
100	128	1837.824	1833.484	-4.339
100	129	1819.800	1832.215	12.415
100	130	1819.952	1837.080	17.129
100	132	1783.150	1794.955	11.805
100	198	1865.276	1874.776	9.501
100	199	1786.978	1796.668	9.690
100	201	1827.693	1826.292	-1.402
100	208	1864.283	1878.449	14.166
100	209	1834.915	1841.157	6.242
100	210	1837.587	1841.510	3.923
100	214	1839.135	1874.103	34.968



30.3 IqOper VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	4000	µA
Min Limit	1000	µA

krad(Si)	0	3	10	30	50	100
LL	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000
Min	1758.072	1742.118	1761.828	1757.247	1780.592	1784.884
Average	1758.072	1814.723	1824.736	1825.048	1826.679	1837.702
Max	1758.072	1901.905	1891.562	1887.112	1864.722	1915.764
UL	4000.000	4000.000	4000.000	4000.000	4000.000	4000.000



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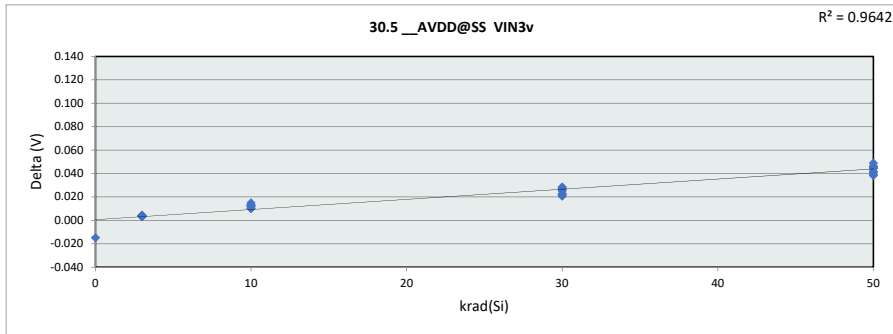
100	217	1850.353	1871.504	21.151
100	218	1834.566	1848.799	14.233
100	219	1830.993	1854.166	23.172
100	220	1802.121	1814.173	12.051
100	317	1815.136	1834.233	19.098
100	318	1788.362	1794.429	6.067
100	322	1888.702	1896.474	7.773
100	323	1757.233	1784.884	27.652
100	325u	1805.649	1814.175	8.526
100	327u	1900.325	1915.764	15.439
100	330u	1834.887	1837.010	2.123
100	332u	1801.190	1808.338	7.149
100	333u	1831.893	1847.062	15.168
	Max	1907.889	1915.764	34.968
	Average	1821.980	1827.763	5.783
	Min	1746.641	1742.118	-87.792
	Std Dev	36.548	37.972	14.451

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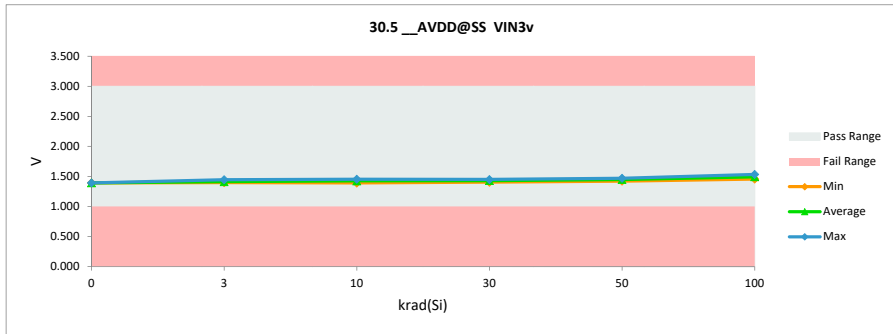
30.5_AVDD@SS VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	3	3
Min Limit	1	1

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	1.406	1.391	-0.015
3	48	1.393	1.397	0.004
3	49	1.410	1.413	0.003
3	51	1.407	1.411	0.004
3	54	1.409	1.413	0.004
3	56	1.398	1.402	0.003
3	57u	1.410	1.414	0.004
3	58u	1.403	1.407	0.004
3	59u	1.410	1.414	0.004
3	61u	1.396	1.400	0.004
3	62u	1.441	1.445	0.004
10	65	1.381	1.391	0.010
10	67	1.423	1.435	0.012
10	68	1.411	1.421	0.010
10	73	1.438	1.450	0.012
10	74	1.436	1.446	0.011
10	75u	1.406	1.419	0.013
10	76u	1.429	1.442	0.013
10	77u	1.395	1.408	0.013
10	78u	1.379	1.392	0.013
10	79u	1.438	1.453	0.015
30	81	1.382	1.404	0.023
30	83	1.400	1.421	0.022
30	84	1.391	1.413	0.022
30	86	1.406	1.428	0.023
30	89	1.428	1.448	0.021
30	94u	1.406	1.431	0.025
30	96u	1.418	1.445	0.027
30	98u	1.401	1.430	0.028
30	100u	1.396	1.425	0.028
30	102u	1.422	1.449	0.027
50	107	1.395	1.435	0.041
50	108	1.382	1.421	0.039
50	110	1.392	1.437	0.045
50	111	1.416	1.454	0.038
50	113	1.399	1.441	0.042
50	114u	1.425	1.469	0.044
50	115u	1.410	1.456	0.046
50	118u	1.412	1.461	0.049
50	119u	1.414	1.459	0.045
50	122u	1.406	1.452	0.046
100	125	1.400	1.479	0.079
100	126	1.423	1.503	0.080
100	127	1.395	1.476	0.081
100	128	1.378	1.457	0.079
100	129	1.382	1.464	0.082
100	130	1.402	1.484	0.082
100	132	1.393	1.473	0.079
100	198	1.416	1.496	0.080
100	199	1.405	1.486	0.081
100	201	1.425	1.507	0.082
100	208	1.427	1.514	0.087
100	209	1.395	1.523	0.128
100	210	1.412	1.498	0.086
100	214	1.389	1.476	0.087



30.5_AVDD@SS VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	3	V
Min Limit	1	V

krad(Si)	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	1.392	1.397	1.391	1.404	1.421	1.457
Average	1.392	1.412	1.426	1.429	1.448	1.493
Max	1.392	1.445	1.453	1.449	1.469	1.534
UL	3.000	3.000	3.000	3.000	3.000	3.000



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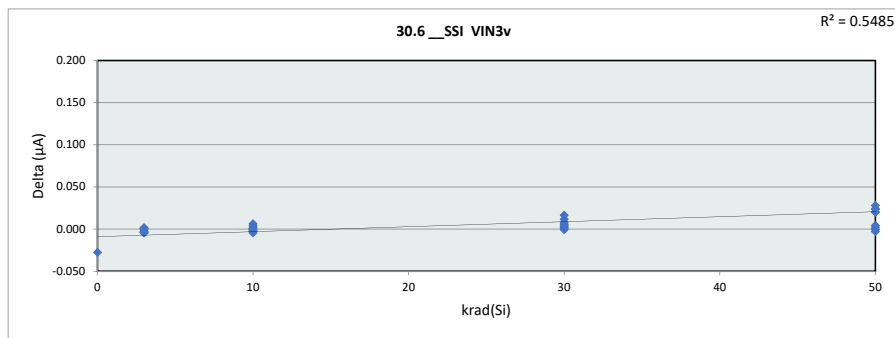
100	217	1.379	1.467	0.088
100	218	1.422	1.509	0.087
100	219	1.423	1.512	0.088
100	220	1.410	1.493	0.083
100	317	1.405	1.492	0.087
100	318	1.404	1.489	0.086
100	322	1.418	1.501	0.083
100	323	1.386	1.475	0.089
100	325u	1.398	1.491	0.093
100	327u	1.401	1.496	0.095
100	330u	1.408	1.504	0.096
100	332u	1.423	1.518	0.096
100	333u	1.436	1.534	0.098
	Max	1.441	1.534	0.128
	Average	1.407	1.454	0.047
	Min	1.378	1.391	-0.015
	Std Dev	0.016	0.038	0.036

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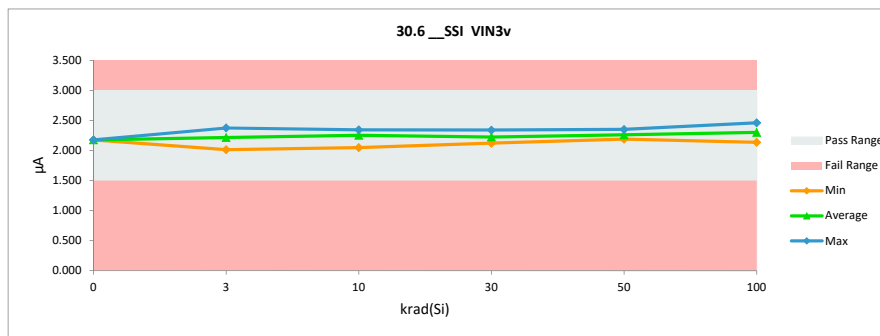
30.6_SSI_VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	µA	µA
Max Limit	3	3
Min Limit	1.5	1.5

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	2.204	2.177	-0.028
3	48	2.092	2.088	-0.004
3	49	2.300	2.300	0.001
3	51	2.300	2.301	0.001
3	54	2.162	2.158	-0.003
3	56	2.283	2.284	0.002
3	57u	2.219	2.219	0.000
3	58u	2.244	2.240	-0.004
3	59u	2.183	2.178	-0.005
3	61u	2.018	2.016	-0.002
3	62u	2.380	2.376	-0.004
10	65	2.050	2.049	-0.001
10	67	2.274	2.279	0.004
10	68	2.230	2.232	0.003
10	73	2.335	2.341	0.006
10	74	2.343	2.344	0.001
10	75u	2.272	2.269	-0.002
10	76u	2.314	2.313	-0.001
10	77u	2.196	2.193	-0.003
10	78u	2.193	2.188	-0.004
10	79u	2.328	2.329	0.001
30	81	2.164	2.168	0.004
30	83	2.324	2.341	0.017
30	84	2.213	2.224	0.012
30	86	2.115	2.122	0.008
30	89	2.209	2.214	0.006
30	94u	2.188	2.189	0.001
30	96u	2.242	2.243	0.001
30	98u	2.231	2.231	-0.001
30	100u	2.224	2.227	0.003
30	102u	2.276	2.281	0.005
50	107	2.264	2.288	0.024
50	108	2.170	2.190	0.020
50	110	2.206	2.230	0.024
50	111	2.283	2.303	0.020
50	113	2.203	2.231	0.028
50	114u	2.347	2.351	0.004
50	115u	2.225	2.225	-0.001
50	118u	2.238	2.239	0.001
50	119u	2.222	2.219	-0.003
50	122u	2.322	2.326	0.004
100	125	2.228	2.287	0.059
100	126	2.294	2.349	0.055
100	127	2.150	2.197	0.047
100	128	2.186	2.234	0.048
100	129	2.129	2.179	0.050
100	130	2.188	2.230	0.042
100	132	2.101	2.144	0.043
100	198	2.297	2.353	0.056
100	199	2.227	2.284	0.057
100	201	2.336	2.394	0.059
100	208	2.348	2.410	0.062
100	209	2.184	2.372	0.189
100	210	2.306	2.365	0.059
100	214	2.244	2.305	0.061



30.6_SSI_VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	3	µA
Min Limit	1.5	µA

krad(Si)	0	3	10	30	50	100
LL	1.500	1.500	1.500	1.500	1.500	1.500
Min	2.177	2.016	2.049	2.122	2.190	2.136
Average	2.177	2.216	2.254	2.224	2.260	2.302
Max	2.177	2.376	2.344	2.341	2.351	2.462
UL	3.000	3.000	3.000	3.000	3.000	3.000



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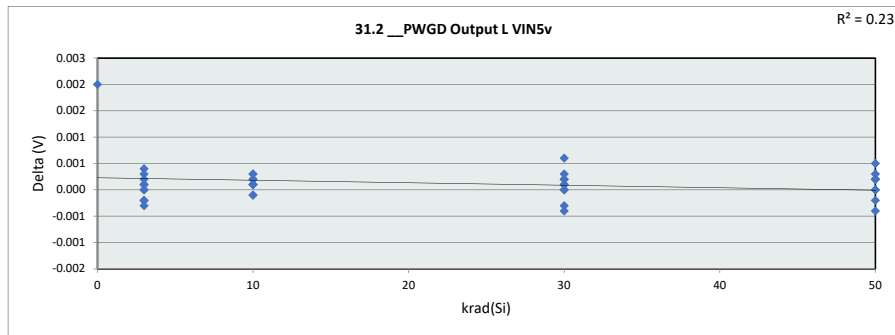
100	217	2.153	2.206	0.053
100	218	2.281	2.339	0.059
100	219	2.385	2.440	0.055
100	220	2.332	2.389	0.058
100	317	2.236	2.297	0.060
100	318	2.245	2.316	0.071
100	322	2.407	2.462	0.055
100	323	2.226	2.284	0.058
100	325u	2.243	2.251	0.008
100	327u	2.350	2.358	0.008
100	330u	2.128	2.136	0.008
100	332u	2.344	2.358	0.014
100	333u	2.216	2.226	0.010
	Max	2.407	2.462	0.189
	Average	2.240	2.263	0.023
	Min	2.018	2.016	-0.028
	Std Dev	0.080	0.089	0.033

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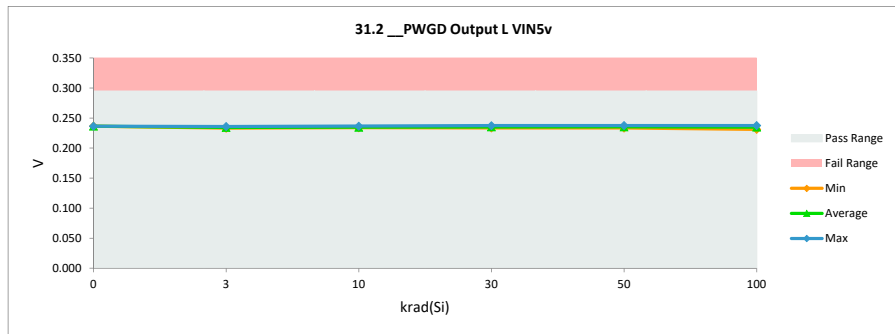
31.2_PWGD Output L VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	0.295	0.295
Min Limit	0	0

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	0.234	0.236	0.002
3	48	0.235	0.236	0.000
3	49	0.234	0.234	0.000
3	51	0.236	0.236	0.000
3	54	0.234	0.234	0.000
3	56	0.235	0.235	0.000
3	57u	0.234	0.234	0.000
3	58u	0.235	0.234	0.000
3	59u	0.233	0.233	0.000
3	61u	0.233	0.234	0.000
3	62u	0.235	0.235	0.000
10	65	0.236	0.236	0.000
10	67	0.235	0.236	0.000
10	68	0.234	0.234	0.000
10	73	0.234	0.234	0.000
10	74	0.234	0.234	0.000
10	75u	0.234	0.234	0.000
10	76u	0.234	0.234	0.000
10	77u	0.234	0.234	0.000
10	78u	0.236	0.236	0.000
10	79u	0.234	0.234	0.000
30	81	0.236	0.236	0.000
30	83	0.237	0.237	0.001
30	84	0.235	0.235	0.000
30	86	0.235	0.235	0.000
30	89	0.235	0.235	0.000
30	94u	0.234	0.234	0.000
30	96u	0.234	0.234	0.000
30	98u	0.234	0.234	0.000
30	100u	0.234	0.235	0.000
30	102u	0.236	0.236	0.000
50	107	0.236	0.236	0.000
50	108	0.235	0.235	0.000
50	110	0.236	0.236	0.000
50	111	0.237	0.238	0.000
50	113	0.235	0.235	0.000
50	114u	0.236	0.236	0.000
50	115u	0.235	0.235	0.000
50	118u	0.234	0.235	0.000
50	119u	0.234	0.233	0.000
50	122u	0.233	0.233	0.001
100	125	0.238	0.237	0.000
100	126	0.235	0.235	0.000
100	127	0.234	0.234	0.000
100	128	0.235	0.234	-0.001
100	129	0.235	0.235	0.000
100	130	0.235	0.235	0.000
100	132	0.236	0.235	-0.001
100	198	0.234	0.234	0.000
100	199	0.238	0.237	-0.001
100	201	0.237	0.237	0.000
100	208	0.233	0.233	0.000
100	209	0.235	0.233	-0.001
100	210	0.236	0.237	0.000
100	214	0.235	0.235	0.000



31.2_PWGD Output L VIN5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	0.295	V
Min Limit	0	V

krad(Si)	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.236	0.233	0.234	0.234	0.233	0.231
Average	0.236	0.234	0.235	0.235	0.235	0.235
Max	0.236	0.236	0.237	0.237	0.238	0.238
UL	0.295	0.295	0.295	0.295	0.295	0.295



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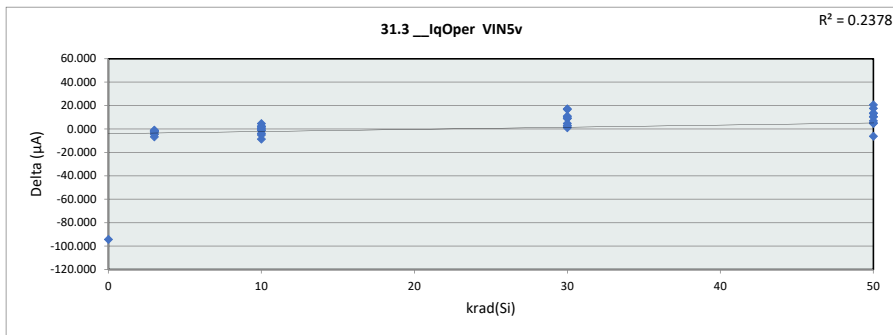
100	217	0.234	0.234	0.000
100	218	0.234	0.234	0.000
100	219	0.235	0.235	0.000
100	220	0.235	0.234	0.000
100	317	0.235	0.235	0.000
100	318	0.236	0.236	-0.001
100	322	0.234	0.235	0.000
100	323	0.235	0.235	0.000
100	325u	0.235	0.235	0.000
100	327u	0.232	0.231	-0.001
100	330u	0.235	0.235	0.000
100	332u	0.234	0.234	0.000
100	333u	0.234	0.235	0.000
	Max	0.238	0.238	0.002
	Average	0.235	0.235	0.000
	Min	0.232	0.231	-0.001
	Std Dev	0.001	0.001	0.000

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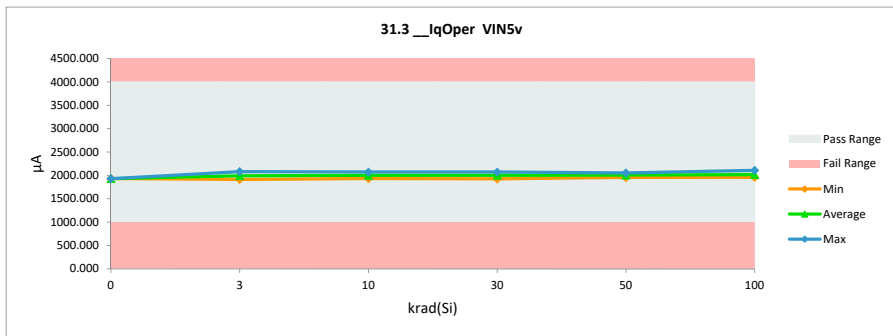
31.3 IqOper VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	µA	µA
Max Limit	4000	4000
Min Limit	1000	1000

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	2026.613	1932.316	-94.297
3	48	1946.476	1944.789	-1.687
3	49	2075.320	2073.583	-1.737
3	51	2050.054	2047.646	-2.408
3	54	1968.318	1966.906	-1.412
3	56	1993.415	1992.463	-0.953
3	57u	1970.202	1968.015	-2.187
3	58u	1996.052	1993.518	-2.533
3	59u	1947.376	1942.949	-4.427
3	61u	1917.880	1913.276	-4.605
3	62u	2088.000	2081.284	-6.716
10	65	1929.670	1931.625	1.956
10	67	1992.060	1988.386	-3.674
10	68	2021.668	2016.635	-5.033
10	73	2038.524	2040.970	2.446
10	74	2013.864	2012.712	-1.153
10	75u	1980.058	1980.395	0.337
10	76u	2072.415	2071.500	-0.915
10	77u	1974.831	1979.448	4.617
10	78u	1972.938	1964.320	-8.619
10	79u	2038.774	2040.548	1.774
30	81	1990.488	1991.528	1.040
30	83	2041.073	2045.750	4.676
30	84	2000.144	2010.500	10.356
30	86	1915.028	1924.181	9.153
30	89	1981.020	1990.004	8.984
30	94u	1970.370	1973.357	2.986
30	96u	2037.890	2040.501	2.611
30	98u	1953.417	1970.636	17.219
30	100u	2061.913	2072.927	11.015
30	102u	1990.266	2006.995	16.728
50	107	1995.052	1988.880	-6.173
50	108	1935.730	1956.369	20.639
50	110	2007.607	2012.783	5.176
50	111	1979.548	1986.418	6.869
50	113	2023.989	2037.459	13.470
50	114u	2011.150	2021.649	10.499
50	115u	1971.604	1981.954	10.349
50	118u	2016.179	2029.546	13.367
50	119u	1991.294	1996.068	4.773
50	122u	2035.903	2053.503	17.600
100	125	1958.181	1976.681	18.500
100	126	2012.187	2013.686	1.500
100	127	1998.476	2012.371	13.895
100	128	2019.144	2014.170	-4.973
100	129	1996.664	2009.803	13.139
100	130	1999.498	2016.932	17.434
100	132	1957.285	1968.424	11.140
100	198	2039.383	2058.114	18.731
100	199	1967.362	1977.721	10.359
100	201	2007.298	2005.280	-2.018
100	208	2044.422	2060.476	16.054
100	209	2018.931	2023.123	4.192
100	210	2015.485	2019.097	3.611
100	214	2023.836	2059.354	35.518



31.3 IqOper VIN5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	4000	µA
Min Limit	1000	µA

krad(Si)	0	3	10	30	50	100
LL	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000
Min	1932.316	1913.276	1931.625	1924.181	1956.369	1959.437
Average	1932.316	1992.443	2002.654	2002.638	2006.463	2017.008
Max	1932.316	2081.284	2071.500	2072.927	2053.503	2109.805
UL	4000.000	4000.000	4000.000	4000.000	4000.000	4000.000



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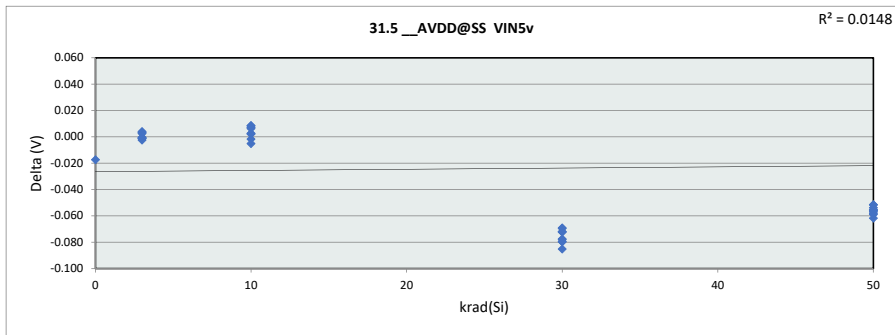
100	217	2033.576	2050.960	17.384
100	218	2010.540	2022.745	12.205
100	219	2006.042	2027.937	21.895
100	220	1979.399	1992.341	12.942
100	317	1990.298	2008.304	18.006
100	318	1964.857	1970.698	5.842
100	322	2070.147	2075.645	5.498
100	323	1932.509	1959.437	26.928
100	325u	1987.224	1998.913	11.690
100	327u	2090.668	2109.805	19.137
100	330u	2011.443	2014.139	2.696
100	332u	1975.987	1986.649	10.662
100	333u	2008.010	2026.413	18.403
	Max	2090.668	2109.805	35.518
	Average	2000.633	2006.375	5.742
	Min	1915.028	1913.276	-94.297
	Std Dev	39.342	41.026	15.316

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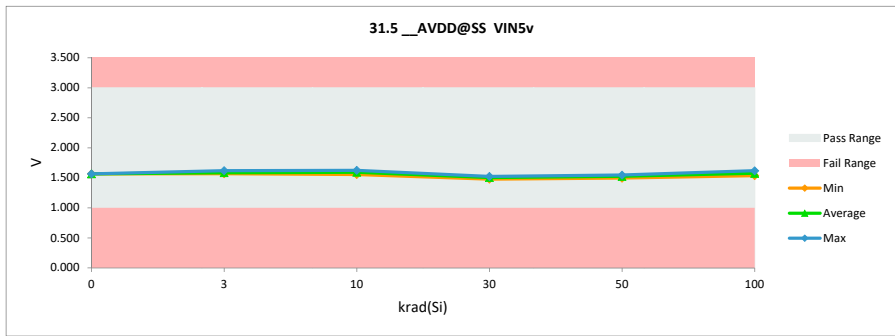
31.5_AVDD@SS VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	3	3
Min Limit	1	1

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	1.584	1.566	-0.017
3	48	1.567	1.570	0.003
3	49	1.585	1.585	0.000
3	51	1.583	1.587	0.003
3	54	1.585	1.584	-0.001
3	56	1.574	1.574	-0.001
3	57u	1.584	1.588	0.004
3	58u	1.580	1.579	-0.001
3	59u	1.589	1.587	-0.001
3	61u	1.574	1.571	-0.003
3	62u	1.618	1.620	0.003
10	65	1.557	1.556	-0.002
10	67	1.601	1.604	0.003
10	68	1.587	1.589	0.002
10	73	1.614	1.617	0.002
10	74	1.619	1.614	-0.005
10	75u	1.580	1.587	0.006
10	76u	1.606	1.613	0.007
10	77u	1.569	1.577	0.008
10	78u	1.553	1.560	0.007
10	79u	1.616	1.625	0.008
30	81	1.557	1.479	-0.078
30	83	1.575	1.496	-0.080
30	84	1.569	1.489	-0.080
30	86	1.582	1.504	-0.077
30	89	1.610	1.525	-0.085
30	94u	1.580	1.508	-0.072
30	96u	1.594	1.521	-0.072
30	98u	1.576	1.506	-0.069
30	100u	1.569	1.500	-0.069
30	102u	1.597	1.525	-0.072
50	107	1.566	1.511	-0.056
50	108	1.554	1.495	-0.059
50	110	1.569	1.513	-0.056
50	111	1.592	1.530	-0.062
50	113	1.575	1.517	-0.058
50	114u	1.603	1.546	-0.057
50	115u	1.588	1.533	-0.055
50	118u	1.589	1.538	-0.052
50	119u	1.586	1.535	-0.052
50	122u	1.583	1.530	-0.054
100	125	1.577	1.559	-0.018
100	126	1.599	1.585	-0.014
100	127	1.574	1.557	-0.017
100	128	1.554	1.538	-0.016
100	129	1.561	1.546	-0.015
100	130	1.578	1.564	-0.014
100	132	1.570	1.553	-0.017
100	198	1.592	1.578	-0.014
100	199	1.581	1.568	-0.012
100	201	1.601	1.590	-0.011
100	208	1.607	1.596	-0.011
100	209	1.571	1.605	0.035
100	210	1.589	1.580	-0.009
100	214	1.566	1.556	-0.010



31.5_AVDD@SS VIN5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	3	V
Min Limit	1	V

krad(Si)	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	1.566	1.570	1.556	1.479	1.495	1.538
Average	1.566	1.585	1.594	1.505	1.525	1.575
Max	1.566	1.620	1.625	1.525	1.546	1.618
UL	3.000	3.000	3.000	3.000	3.000	3.000



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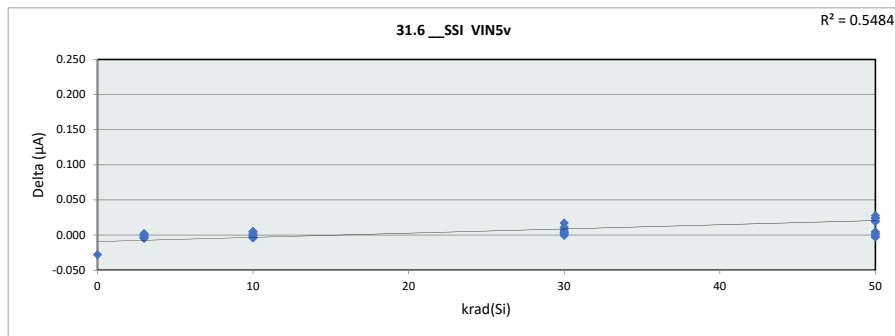
100	217	1.553	1.548	-0.006
100	218	1.595	1.591	-0.004
100	219	1.601	1.594	-0.007
100	220	1.585	1.573	-0.012
100	317	1.580	1.575	-0.005
100	318	1.580	1.572	-0.008
100	322	1.590	1.582	-0.008
100	323	1.560	1.557	-0.003
100	325u	1.574	1.574	-0.001
100	327u	1.577	1.579	0.002
100	330u	1.581	1.586	0.005
100	332u	1.598	1.601	0.003
100	333u	1.613	1.618	0.005
	Max	1.619	1.625	0.035
	Average	1.583	1.561	-0.022
	Min	1.553	1.479	-0.085
	Std Dev	0.017	0.036	0.030

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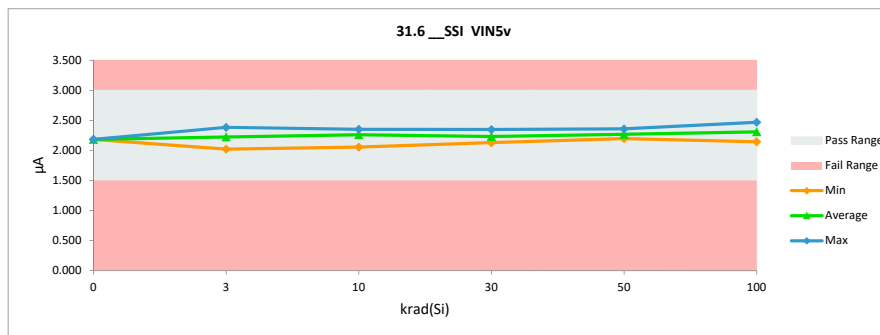
31.6_SSI_VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	µA	µA
Max Limit	3	3
Min Limit	1.5	1.5

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	2.211	2.183	-0.028
3	48	2.098	2.094	-0.003
3	49	2.306	2.307	0.001
3	51	2.306	2.306	0.000
3	54	2.168	2.165	-0.003
3	56	2.289	2.291	0.002
3	57u	2.226	2.226	0.000
3	58u	2.250	2.246	-0.004
3	59u	2.190	2.185	-0.005
3	61u	2.024	2.022	-0.003
3	62u	2.387	2.384	-0.004
10	65	2.056	2.055	-0.001
10	67	2.281	2.286	0.005
10	68	2.236	2.239	0.003
10	73	2.342	2.346	0.005
10	74	2.349	2.351	0.001
10	75u	2.278	2.275	-0.003
10	76u	2.320	2.319	-0.001
10	77u	2.202	2.199	-0.003
10	78u	2.199	2.194	-0.004
10	79u	2.335	2.336	0.001
30	81	2.170	2.174	0.004
30	83	2.330	2.347	0.017
30	84	2.219	2.230	0.011
30	86	2.121	2.128	0.007
30	89	2.215	2.220	0.005
30	94u	2.195	2.195	0.001
30	96u	2.248	2.249	0.001
30	98u	2.238	2.237	-0.001
30	100u	2.230	2.233	0.003
30	102u	2.283	2.287	0.004
50	107	2.270	2.295	0.024
50	108	2.176	2.196	0.020
50	110	2.212	2.236	0.024
50	111	2.289	2.308	0.019
50	113	2.209	2.237	0.028
50	114u	2.354	2.357	0.003
50	115u	2.232	2.231	-0.001
50	118u	2.245	2.246	0.001
50	119u	2.229	2.226	-0.003
50	122u	2.329	2.333	0.005
100	125	2.234	2.294	0.061
100	126	2.302	2.357	0.055
100	127	2.156	2.204	0.048
100	128	2.192	2.240	0.049
100	129	2.134	2.185	0.051
100	130	2.194	2.236	0.042
100	132	2.107	2.150	0.043
100	198	2.303	2.359	0.056
100	199	2.233	2.291	0.058
100	201	2.342	2.401	0.059
100	208	2.355	2.418	0.063
100	209	2.189	2.379	0.190
100	210	2.313	2.373	0.060
100	214	2.250	2.312	0.061



31.6_SSI_VIN5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	3	µA
Min Limit	1.5	µA

krad(Si)	0	3	10	30	50	100
LL	1.500	1.500	1.500	1.500	1.500	1.500
Min	2.183	2.022	2.055	2.128	2.196	2.142
Average	2.183	2.223	2.260	2.230	2.266	2.309
Max	2.183	2.384	2.351	2.347	2.357	2.469
UL	3.000	3.000	3.000	3.000	3.000	3.000



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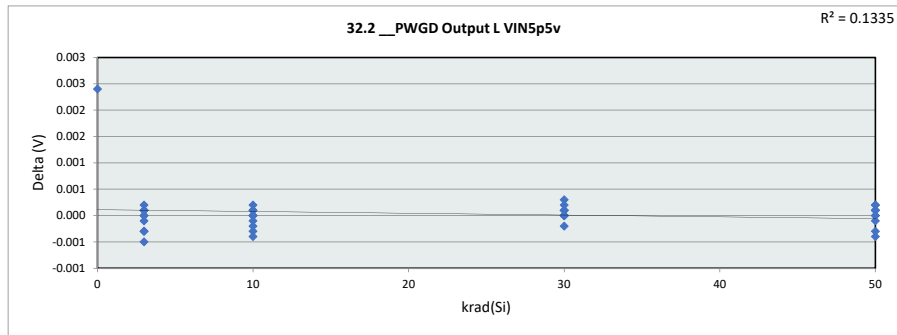
5962R2021001VSC (TPS7H4002-SP)

100	217	2.159	2.213	0.053
100	218	2.286	2.345	0.058
100	219	2.392	2.447	0.055
100	220	2.338	2.396	0.058
100	317	2.243	2.304	0.061
100	318	2.251	2.323	0.072
100	322	2.414	2.469	0.055
100	323	2.232	2.291	0.059
100	325u	2.250	2.258	0.008
100	327u	2.356	2.365	0.009
100	330u	2.134	2.142	0.008
100	332u	2.351	2.365	0.014
100	333u	2.223	2.232	0.010
	Max	2.414	2.469	0.190
	Average	2.247	2.269	0.023
	Min	2.024	2.022	-0.028
	Std Dev	0.081	0.089	0.033

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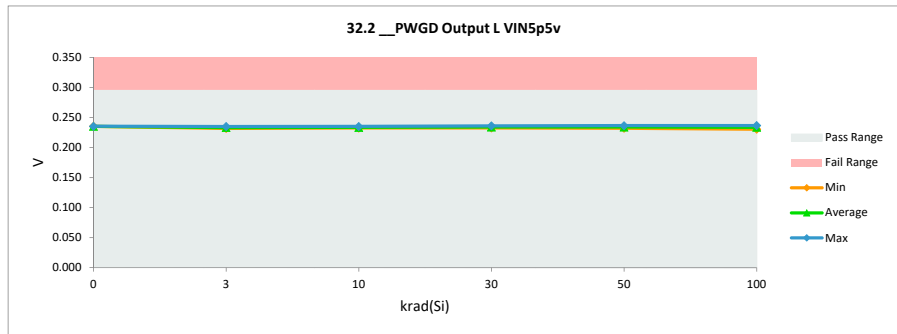
32.2 __PWGD Output L VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	0.295	0.295
Min Limit	0	0

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	0.233	0.235	0.002
3	48	0.235	0.235	0.000
3	49	0.233	0.233	0.000
3	51	0.235	0.235	0.000
3	54	0.233	0.233	0.000
3	56	0.234	0.233	0.000
3	57u	0.233	0.233	0.000
3	58u	0.233	0.233	0.000
3	59u	0.232	0.232	0.000
3	61u	0.232	0.232	0.000
3	62u	0.234	0.234	0.000
10	65	0.235	0.235	0.000
10	67	0.235	0.234	0.000
10	68	0.232	0.233	0.000
10	73	0.233	0.233	0.000
10	74	0.233	0.233	0.000
10	75u	0.233	0.233	0.000
10	76u	0.233	0.233	0.000
10	77u	0.233	0.233	0.000
10	78u	0.235	0.235	0.000
10	79u	0.233	0.233	0.000
30	81	0.235	0.235	0.000
30	83	0.236	0.236	0.000
30	84	0.234	0.234	0.000
30	86	0.234	0.234	0.000
30	89	0.234	0.234	0.000
30	94u	0.233	0.233	0.000
30	96u	0.233	0.233	0.000
30	98u	0.233	0.233	0.000
30	100u	0.233	0.233	0.000
30	102u	0.235	0.235	0.000
50	107	0.235	0.235	0.000
50	108	0.234	0.234	0.000
50	110	0.235	0.235	0.000
50	111	0.236	0.236	0.000
50	113	0.234	0.233	0.000
50	114u	0.235	0.235	0.000
50	115u	0.234	0.234	0.000
50	118u	0.233	0.233	0.000
50	119u	0.232	0.232	0.000
50	122u	0.232	0.232	0.000
100	125	0.237	0.237	0.000
100	126	0.235	0.234	0.000
100	127	0.233	0.233	0.000
100	128	0.233	0.233	0.000
100	129	0.234	0.233	-0.001
100	130	0.234	0.234	0.000
100	132	0.235	0.235	0.000
100	198	0.233	0.233	0.000
100	199	0.236	0.236	0.000
100	201	0.236	0.236	0.000
100	208	0.233	0.232	0.000
100	209	0.233	0.232	-0.001
100	210	0.236	0.235	0.000
100	214	0.234	0.233	0.000



32.2 __PWGD Output L VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	0.295	V
Min Limit	0	V

krad(Si)	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.235	0.232	0.233	0.233	0.232	0.230
Average	0.235	0.233	0.233	0.234	0.234	0.234
Max	0.235	0.235	0.235	0.236	0.236	0.237
UL	0.295	0.295	0.295	0.295	0.295	0.295



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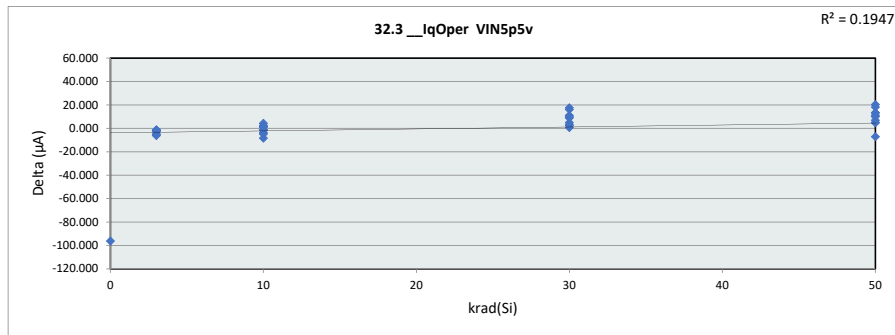
100	217	0.233	0.232	0.000
100	218	0.233	0.233	0.000
100	219	0.234	0.234	0.000
100	220	0.233	0.233	0.000
100	317	0.234	0.233	0.000
100	318	0.235	0.235	0.000
100	322	0.233	0.233	0.000
100	323	0.234	0.234	0.000
100	325u	0.234	0.233	0.000
100	327u	0.231	0.230	0.000
100	330u	0.234	0.234	0.000
100	332u	0.233	0.233	0.000
100	333u	0.234	0.233	0.000
	Max	0.237	0.237	0.002
	Average	0.234	0.234	0.000
	Min	0.231	0.230	-0.001
	Std Dev	0.001	0.001	0.000

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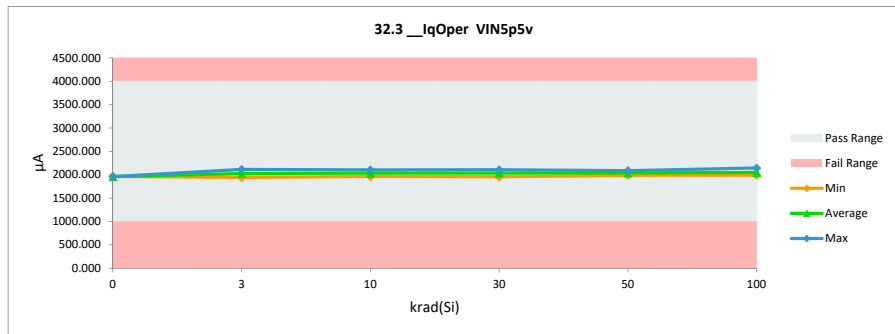
32.3 IqOper VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	µA	µA
Max Limit	4000	4000
Min Limit	1000	1000

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	2059.223	1963.054	-96.168
3	48	1977.915	1976.265	-1.649
3	49	2108.286	2106.140	-2.146
3	51	2082.468	2080.903	-1.565
3	54	2001.031	1999.154	-1.877
3	56	2025.544	2024.229	-1.315
3	57u	2002.709	2001.150	-1.559
3	58u	2028.437	2025.788	-2.649
3	59u	1979.264	1974.207	-5.057
3	61u	1949.769	1944.786	-4.983
3	62u	2119.779	2113.653	-6.126
10	65	1961.380	1962.773	1.393
10	67	2024.273	2020.540	-3.733
10	68	2054.278	2049.461	-4.817
10	73	2071.231	2073.593	2.362
10	74	2046.334	2044.734	-1.599
10	75u	2012.162	2013.186	1.025
10	76u	2104.828	2103.519	-1.309
10	77u	2007.123	2011.518	4.395
10	78u	2005.252	1996.852	-8.400
10	79u	2071.612	2073.465	1.852
30	81	2022.686	2023.348	0.662
30	83	2073.593	2078.435	4.842
30	84	2032.832	2043.279	10.446
30	86	1946.770	1955.779	9.009
30	89	2012.830	2022.077	9.247
30	94u	2003.012	2005.567	2.555
30	96u	2069.469	2072.637	3.168
30	98u	1985.784	2003.324	17.541
30	100u	2094.588	2105.587	10.999
30	102u	2023.089	2039.133	16.044
50	107	2027.981	2020.884	-7.097
50	108	1967.850	1988.202	20.352
50	110	2039.327	2044.381	5.054
50	111	2011.665	2018.588	6.922
50	113	2055.521	2068.926	13.405
50	114u	2043.391	2054.506	11.115
50	115u	2004.143	2014.027	9.884
50	118u	2049.545	2062.722	13.177
50	119u	2022.689	2027.406	4.717
50	122u	2069.129	2087.210	18.081
100	125	1990.941	2008.419	17.478
100	126	2043.325	2046.502	3.177
100	127	2030.802	2044.700	13.898
100	128	2052.116	2046.165	-5.951
100	129	2028.584	2040.995	12.411
100	130	2032.123	2048.970	16.847
100	132	1988.698	1999.591	10.893
100	198	2104.310	2090.730	-13.580
100	199	1999.872	2010.194	10.321
100	201	2038.877	2036.797	-2.080
100	208	2077.126	2092.120	14.995
100	209	2052.185	2055.355	3.171
100	210	2048.255	2051.091	2.836
100	214	2056.724	2091.524	34.800



32.3 IqOper VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	4000	µA
Min Limit	1000	µA

krad(Si)	0	3	10	30	50	100
LL	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000
Min	1963.054	1944.786	1962.773	1955.779	1988.202	1990.719
Average	1963.054	2024.628	2034.964	2034.917	2038.685	2049.113
Max	1963.054	2113.653	2103.519	2105.587	2087.210	2144.786
UL	4000.000	4000.000	4000.000	4000.000	4000.000	4000.000



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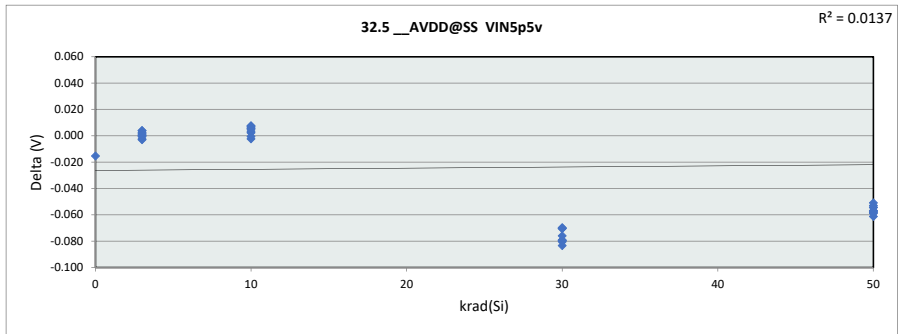
100	217	2064.983	2082.636	17.653
100	218	2042.248	2054.668	12.421
100	219	2038.377	2059.004	20.627
100	220	2011.952	2024.707	12.755
100	317	2022.146	2039.405	17.259
100	318	1997.233	2003.071	5.839
100	322	2102.588	2107.877	5.289
100	323	1964.423	1990.719	26.297
100	325u	2020.218	2032.239	12.021
100	327u	2125.102	2144.786	19.683
100	330u	2043.872	2046.577	2.705
100	332u	2007.885	2018.544	10.659
100	333u	2040.102	2058.651	18.549
	Max	2125.102	2144.786	34.800
	Average	2033.439	2038.545	5.105
	Min	1946.770	1944.786	-96.168
	Std Dev	40.219	41.363	15.525

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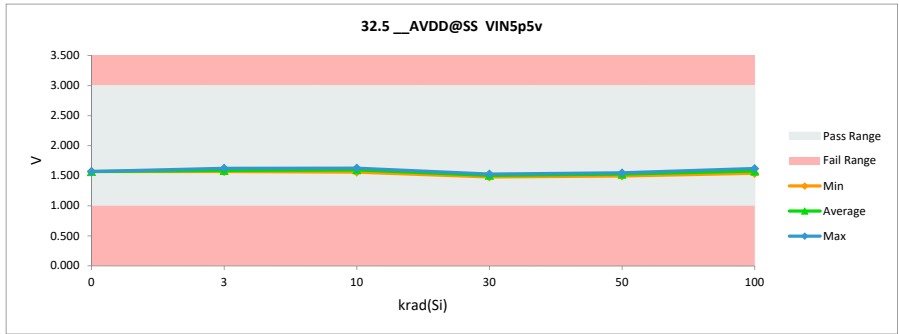
32.5_AVDD@SS VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	3	3
Min Limit	1	1

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	1.585	1.570	-0.015
3	48	1.571	1.574	0.002
3	49	1.586	1.587	0.001
3	51	1.585	1.589	0.004
3	54	1.587	1.584	-0.003
3	56	1.576	1.575	-0.001
3	57u	1.588	1.590	0.002
3	58u	1.582	1.582	0.000
3	59u	1.592	1.592	0.000
3	61u	1.575	1.572	-0.003
3	62u	1.620	1.624	0.004
10	65	1.560	1.560	0.000
10	67	1.599	1.607	0.007
10	68	1.589	1.592	0.003
10	73	1.614	1.620	0.006
10	74	1.620	1.618	-0.002
10	75u	1.584	1.589	0.005
10	76u	1.608	1.614	0.006
10	77u	1.574	1.581	0.007
10	78u	1.558	1.560	0.002
10	79u	1.619	1.626	0.008
30	81	1.560	1.480	-0.080
30	83	1.578	1.497	-0.081
30	84	1.569	1.490	-0.079
30	86	1.586	1.506	-0.079
30	89	1.610	1.526	-0.083
30	94u	1.580	1.510	-0.070
30	96u	1.598	1.522	-0.076
30	98u	1.578	1.508	-0.070
30	100u	1.571	1.501	-0.071
30	102u	1.597	1.527	-0.070
50	107	1.571	1.513	-0.058
50	108	1.555	1.496	-0.059
50	110	1.572	1.515	-0.057
50	111	1.593	1.532	-0.061
50	113	1.577	1.519	-0.058
50	114u	1.605	1.548	-0.057
50	115u	1.588	1.534	-0.054
50	118u	1.590	1.539	-0.051
50	119u	1.591	1.536	-0.054
50	122u	1.584	1.531	-0.053
100	125	1.576	1.561	-0.015
100	126	1.600	1.586	-0.014
100	127	1.578	1.558	-0.020
100	128	1.555	1.539	-0.016
100	129	1.563	1.548	-0.015
100	130	1.577	1.566	-0.010
100	132	1.572	1.555	-0.017
100	198	1.593	1.580	-0.013
100	199	1.583	1.570	-0.013
100	201	1.603	1.592	-0.012
100	208	1.606	1.598	-0.007
100	209	1.572	1.607	0.035
100	210	1.587	1.582	-0.006
100	214	1.566	1.558	-0.008



32.5_AVDD@SS VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	3	V
Min Limit	1	V

krad(Si)	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	1.570	1.572	1.560	1.480	1.496	1.539
Average	1.570	1.587	1.597	1.507	1.526	1.577
Max	1.570	1.624	1.626	1.527	1.548	1.620
UL	3.000	3.000	3.000	3.000	3.000	3.000



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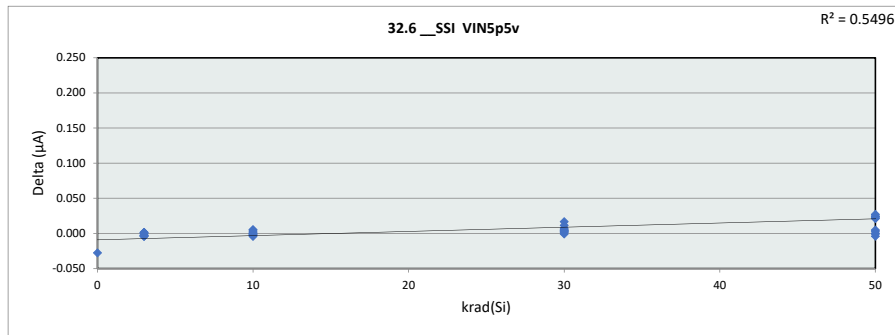
100	217	1.554	1.549	-0.005
100	218	1.597	1.593	-0.004
100	219	1.605	1.596	-0.009
100	220	1.589	1.575	-0.015
100	317	1.582	1.577	-0.005
100	318	1.583	1.573	-0.009
100	322	1.593	1.583	-0.010
100	323	1.563	1.558	-0.006
100	325u	1.577	1.575	-0.002
100	327u	1.580	1.580	0.000
100	330u	1.583	1.588	0.005
100	332u	1.601	1.602	0.001
100	333u	1.615	1.620	0.005
	Max	1.620	1.626	0.035
	Average	1.585	1.563	-0.022
	Min	1.554	1.480	-0.083
	Std Dev	0.016	0.036	0.030

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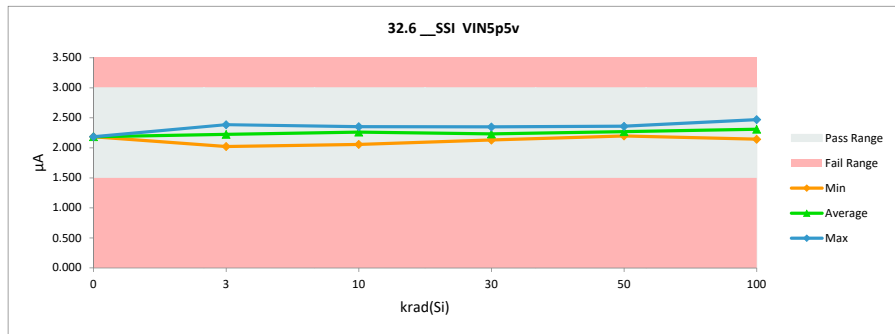
32.6_SSI_VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	µA	µA
Max Limit	3	3
Min Limit	1.5	1.5

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	2.212	2.185	-0.028
3	48	2.099	2.096	-0.003
3	49	2.308	2.309	0.001
3	51	2.308	2.309	0.002
3	54	2.170	2.167	-0.003
3	56	2.293	2.292	-0.001
3	57u	2.227	2.227	0.000
3	58u	2.252	2.248	-0.004
3	59u	2.191	2.187	-0.004
3	61u	2.025	2.023	-0.002
3	62u	2.389	2.385	-0.003
10	65	2.058	2.057	-0.001
10	67	2.283	2.287	0.005
10	68	2.238	2.241	0.003
10	73	2.343	2.348	0.005
10	74	2.351	2.352	0.001
10	75u	2.280	2.277	-0.002
10	76u	2.322	2.322	0.000
10	77u	2.203	2.201	-0.002
10	78u	2.200	2.196	-0.004
10	79u	2.337	2.338	0.001
30	81	2.171	2.175	0.004
30	83	2.331	2.348	0.017
30	84	2.221	2.232	0.011
30	86	2.122	2.130	0.007
30	89	2.217	2.221	0.005
30	94u	2.195	2.197	0.002
30	96u	2.249	2.251	0.002
30	98u	2.239	2.239	-0.001
30	100u	2.232	2.235	0.003
30	102u	2.284	2.289	0.005
50	107	2.272	2.296	0.025
50	108	2.177	2.198	0.021
50	110	2.214	2.237	0.024
50	111	2.290	2.312	0.022
50	113	2.211	2.238	0.027
50	114u	2.356	2.359	0.003
50	115u	2.233	2.232	-0.001
50	118u	2.247	2.247	0.000
50	119u	2.230	2.227	-0.004
50	122u	2.330	2.335	0.005
100	125	2.235	2.296	0.061
100	126	2.302	2.357	0.055
100	127	2.158	2.207	0.049
100	128	2.194	2.242	0.049
100	129	2.137	2.187	0.050
100	130	2.195	2.238	0.043
100	132	2.109	2.152	0.043
100	198	2.305	2.361	0.056
100	199	2.234	2.293	0.059
100	201	2.343	2.403	0.059
100	208	2.357	2.420	0.063
100	209	2.191	2.381	0.190
100	210	2.314	2.374	0.060
100	214	2.252	2.313	0.061



32.6_SSI_VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	3	µA
Min Limit	1.5	µA

krad(Si)	0	3	10	30	50	100
LL	1.500	1.500	1.500	1.500	1.500	1.500
Min	2.185	2.023	2.057	2.130	2.198	2.144
Average	2.185	2.224	2.262	2.232	2.268	2.311
Max	2.185	2.386	2.352	2.348	2.359	2.471
UL	3.000	3.000	3.000	3.000	3.000	3.000



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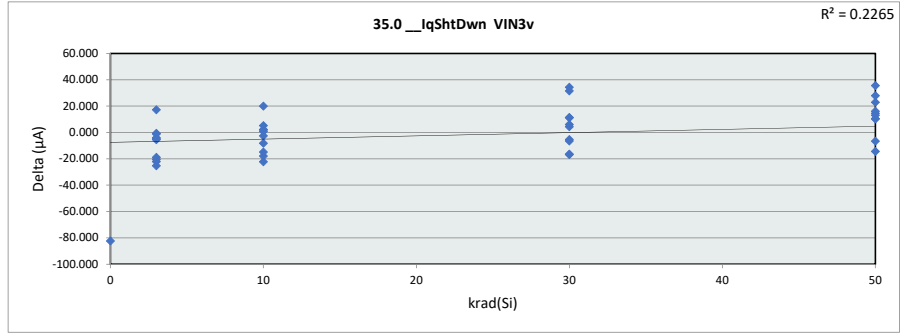
100	217	2.160	2.214	0.054
100	218	2.287	2.346	0.059
100	219	2.394	2.449	0.055
100	220	2.340	2.397	0.057
100	317	2.244	2.306	0.062
100	318	2.253	2.325	0.072
100	322	2.415	2.471	0.056
100	323	2.233	2.292	0.059
100	325u	2.251	2.259	0.008
100	327u	2.358	2.366	0.009
100	330u	2.135	2.144	0.008
100	332u	2.353	2.366	0.013
100	333u	2.224	2.234	0.010
	Max	2.415	2.471	0.190
	Average	2.248	2.271	0.023
	Min	2.025	2.023	-0.028
	Std Dev	0.081	0.089	0.033

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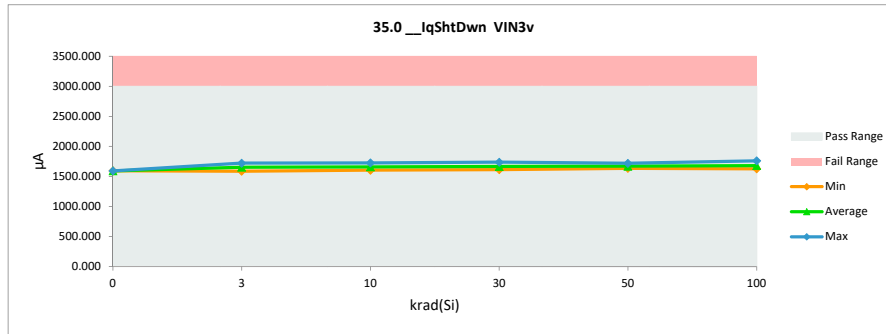
35.0 IqShtDwn VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	µA	µA
Max Limit	3000	3000
Min Limit	0.1	0.1

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	1675.380	1593.021	-82.359
3	48	1614.576	1613.915	-0.661
3	49	1743.554	1721.449	-22.105
3	51	1714.453	1713.364	-1.089
3	54	1622.040	1639.239	17.199
3	56	1657.333	1638.427	-18.906
3	57u	1635.063	1629.598	-5.465
3	58u	1665.209	1644.729	-20.480
3	59u	1627.774	1623.730	-4.043
3	61u	1591.623	1586.700	-4.922
3	62u	1744.848	1719.483	-25.365
10	65	1601.453	1603.476	2.023
10	67	1663.265	1640.955	-22.310
10	68	1685.448	1682.830	-2.618
10	73	1699.720	1684.839	-14.880
10	74	1672.320	1654.397	-17.923
10	75u	1633.321	1635.496	2.175
10	76u	1704.706	1724.722	20.016
10	77u	1633.927	1639.055	5.127
10	78u	1626.801	1618.616	-8.185
10	79u	1695.734	1696.525	0.791
30	81	1676.045	1659.547	-16.498
30	83	1694.367	1705.707	11.340
30	84	1654.263	1665.431	11.168
30	86	1581.064	1612.570	31.506
30	89	1654.668	1648.179	-6.489
30	94u	1643.811	1648.094	4.282
30	96u	1704.877	1688.127	-16.750
30	98u	1611.486	1645.812	34.326
30	100u	1731.038	1737.034	5.996
30	102u	1649.784	1644.443	-5.341
50	107	1645.828	1661.930	16.103
50	108	1616.650	1639.542	22.893
50	110	1667.349	1695.289	27.940
50	111	1640.654	1634.014	-6.640
50	113	1682.883	1718.401	35.518
50	114u	1666.035	1676.411	10.376
50	115u	1638.633	1648.906	10.272
50	118u	1660.511	1673.560	13.050
50	119u	1667.028	1652.672	-14.355
50	122u	1690.586	1705.125	14.539
100	125	1612.396	1654.860	42.465
100	126	1655.213	1662.754	7.541
100	127	1675.831	1694.189	18.358
100	128	1692.818	1674.980	-17.838
100	129	1676.581	1677.244	0.663
100	130	1673.116	1674.260	1.145
100	132	1614.743	1649.705	34.962
100	198	1698.029	1705.310	7.281
100	199	1634.860	1633.704	-1.156
100	201	1657.045	1678.516	21.471
100	208	1706.620	1721.558	14.937
100	209	1687.391	1694.044	6.652
100	210	1673.072	1661.899	-11.173
100	214	1692.892	1734.104	41.212



35.0 IqShtDwn VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	3000	µA
Min Limit	0.1	µA

krad(Si)	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	1593.021	1586.701	1603.476	1612.570	1634.014	1625.672
Average	1593.021	1653.063	1658.091	1665.494	1670.585	1681.150
Max	1593.021	1721.449	1724.722	1737.034	1718.401	1761.297
UL	3000.000	3000.000	3000.000	3000.000	3000.000	3000.000



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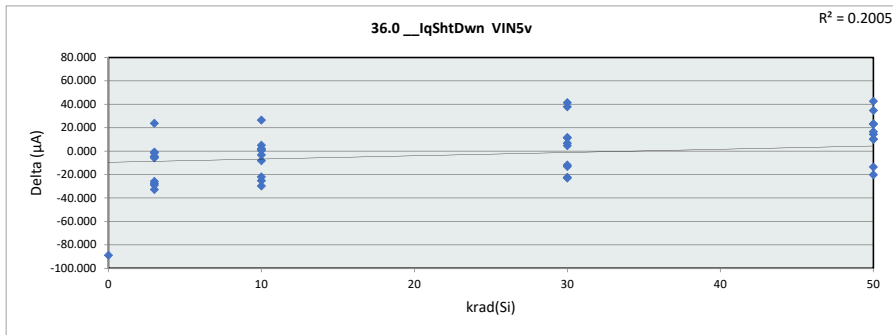
100	217	1685.008	1726.804	41.796
100	218	1676.882	1696.598	19.716
100	219	1647.227	1692.434	45.207
100	220	1625.621	1667.645	42.024
100	317	1670.863	1676.902	6.040
100	318	1637.189	1650.099	12.910
100	322	1712.405	1726.563	14.158
100	323	1613.766	1625.672	11.906
100	325u	1648.098	1654.007	5.909
100	327u	1726.833	1761.297	34.464
100	330u	1672.463	1673.410	0.947
100	332u	1642.346	1628.804	-13.541
100	333u	1678.947	1693.700	14.753
	Max	1744.848	1761.297	45.207
	Average	1662.858	1668.477	5.619
	Min	1581.064	1586.700	-82.359
	Std Dev	35.805	37.640	21.053

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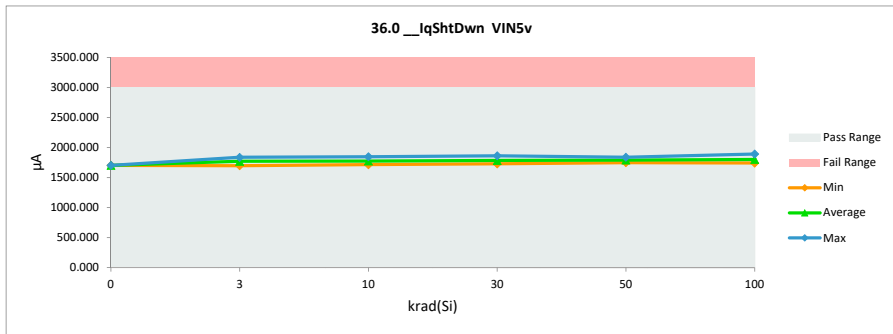
36.0 IqShtDwn VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	µA	µA
Max Limit	3000	3000
Min Limit	0.1	0.1

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	1791.233	1702.346	-88.886
3	48	1725.010	1724.263	-0.747
3	49	1866.350	1837.372	-28.979
3	51	1837.397	1835.930	-1.468
3	54	1735.747	1759.553	23.806
3	56	1778.614	1752.744	-25.870
3	57u	1757.291	1751.515	-5.777
3	58u	1786.997	1759.368	-27.629
3	59u	1747.399	1743.014	-4.384
3	61u	1701.642	1696.434	-5.208
3	62u	1867.481	1834.739	-32.742
10	65	1712.211	1714.052	1.841
10	67	1784.192	1754.464	-29.728
10	68	1805.186	1801.882	-3.304
10	73	1822.095	1800.065	-22.030
10	74	1793.667	1768.415	-25.253
10	75u	1754.483	1756.438	1.955
10	76u	1819.923	1846.473	26.550
10	77u	1747.297	1752.430	5.133
10	78u	1740.601	1732.377	-8.224
10	79u	1819.251	1819.854	0.603
30	81	1795.653	1773.198	-22.455
30	83	1816.727	1828.222	11.495
30	84	1769.442	1780.984	11.543
30	86	1689.993	1727.889	37.896
30	89	1773.479	1760.311	-13.168
30	94u	1765.138	1769.772	4.634
30	96u	1824.613	1801.715	-22.898
30	98u	1724.990	1766.339	41.349
30	100u	1855.616	1862.412	6.796
30	102u	1770.807	1758.925	-11.882
50	107	1760.456	1783.534	23.078
50	108	1736.005	1759.326	23.321
50	110	1780.186	1814.859	34.673
50	111	1760.671	1747.142	-13.529
50	113	1795.963	1838.600	42.637
50	114u	1788.236	1798.374	10.138
50	115u	1759.010	1769.228	10.218
50	118u	1775.144	1789.490	14.345
50	119u	1785.687	1765.454	-20.233
50	122u	1816.592	1833.158	16.566
100	125	1725.640	1775.550	49.910
100	126	1768.318	1778.077	9.759
100	127	1797.290	1817.146	19.856
100	128	1814.882	1791.982	-22.900
100	129	1795.560	1791.848	-3.712
100	130	1794.924	1791.593	-3.331
100	132	1726.023	1768.824	42.801
100	198	1820.077	1821.624	1.547
100	199	1755.644	1748.814	-6.830
100	201	1770.849	1800.687	29.838
100	208	1829.183	1845.205	16.023
100	209	1812.511	1817.585	5.074
100	210	1794.862	1777.695	-17.167
100	214	1815.568	1858.072	42.504



36.0 IqShtDwn VIN5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	3000	µA
Min Limit	0.1	µA

krad(Si)	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	1702.346	1696.434	1714.052	1727.889	1747.142	1740.461
Average	1702.346	1769.493	1774.645	1782.977	1789.916	1800.821
Max	1702.346	1837.372	1846.473	1862.412	1838.600	1892.248
UL	3000.000	3000.000	3000.000	3000.000	3000.000	3000.000



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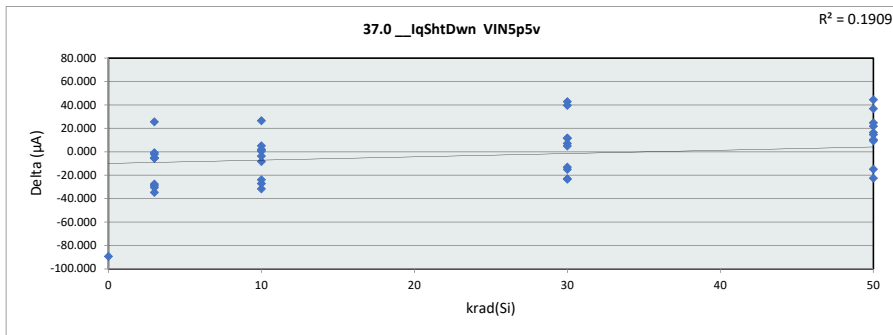
100	217	1800.339	1849.727	49.388
100	218	1796.648	1817.890	21.242
100	219	1760.434	1814.073	53.639
100	220	1739.095	1788.863	49.769
100	317	1788.984	1788.830	-0.154
100	318	1758.331	1772.614	14.283
100	322	1827.721	1843.209	15.488
100	323	1733.590	1740.461	6.870
100	325u	1771.680	1780.793	9.113
100	327u	1847.771	1892.248	44.477
100	330u	1786.109	1789.267	3.158
100	332u	1762.700	1744.357	-18.343
100	333u	1798.814	1815.128	16.314
	Max	1867.481	1892.248	53.639
	Average	1781.353	1786.689	5.335
	Min	1689.993	1696.434	-88.886
	Std Dev	38.405	40.584	25.356

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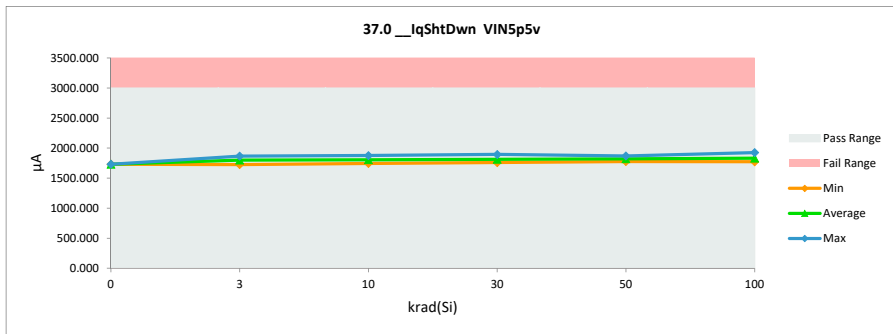
37.0 IqShtDwn VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	µA	µA
Max Limit	3000	3000
Min Limit	0.1	0.1

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	1819.808	1730.401	-89.407
3	48	1753.702	1752.859	-0.842
3	49	1896.946	1866.541	-30.405
3	51	1867.828	1865.860	-1.968
3	54	1765.028	1790.525	25.496
3	56	1809.852	1782.237	-27.615
3	57u	1789.273	1784.013	-5.260
3	58u	1818.250	1789.236	-29.014
3	59u	1779.192	1773.929	-5.263
3	61u	1730.912	1725.447	-5.465
3	62u	1897.668	1862.982	-34.685
10	65	1741.215	1742.859	1.644
10	67	1815.460	1783.720	-31.740
10	68	1835.805	1832.181	-3.625
10	73	1852.644	1828.780	-23.865
10	74	1823.718	1796.518	-27.201
10	75u	1784.984	1786.955	1.972
10	76u	1848.555	1875.048	26.493
10	77u	1776.568	1781.586	5.018
10	78u	1770.026	1761.742	-8.284
10	79u	1850.364	1850.928	0.563
30	81	1825.193	1801.892	-23.301
30	83	1847.405	1858.964	11.559
30	84	1798.654	1810.302	11.648
30	86	1718.875	1758.467	39.593
30	89	1804.400	1789.362	-15.039
30	94u	1797.143	1802.052	4.909
30	96u	1854.238	1831.189	-23.049
30	98u	1755.349	1798.063	42.714
30	100u	1886.705	1893.816	7.110
30	102u	1801.734	1788.660	-13.074
50	107	1789.824	1814.500	24.677
50	108	1766.363	1788.202	21.839
50	110	1808.673	1845.457	36.784
50	111	1791.738	1776.807	-14.932
50	113	1824.499	1868.931	44.432
50	114u	1818.410	1827.677	9.268
50	115u	1789.989	1800.358	10.370
50	118u	1804.702	1819.320	14.618
50	119u	1817.686	1795.098	-22.588
50	122u	1849.461	1865.937	16.476
100	125	1755.471	1807.080	51.609
100	126	1798.407	1807.228	8.820
100	127	1828.914	1848.875	19.961
100	128	1845.372	1821.014	-24.357
100	129	1826.890	1821.389	-5.501
100	130	1825.547	1820.533	-5.013
100	132	1754.854	1799.042	44.188
100	198	1851.304	1850.925	-0.379
100	199	1785.978	1777.677	-8.301
100	201	1799.611	1831.153	31.542
100	208	1861.101	1877.042	15.942
100	209	1843.770	1846.655	2.886
100	210	1825.494	1806.380	-19.114
100	214	1846.925	1889.286	42.360



37.0 IqShtDwn VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	3000	µA
Min Limit	0.1	µA

krad(Si)	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	1730.401	1725.447	1742.859	1758.467	1776.807	1770.773
Average	1730.401	1799.363	1804.032	1813.277	1820.229	1831.044
Max	1730.401	1866.541	1875.048	1893.816	1868.931	1925.113
UL	3000.000	3000.000	3000.000	3000.000	3000.000	3000.000



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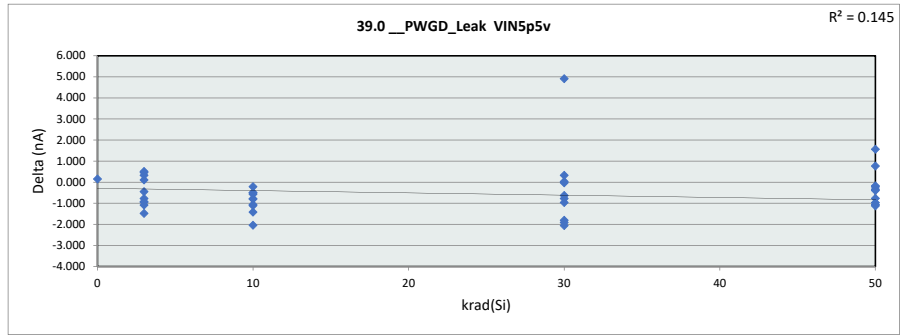
100	217	1829.441	1880.764	51.323
100	218	1826.987	1848.871	21.884
100	219	1788.747	1843.964	55.217
100	220	1768.747	1819.863	51.116
100	317	1819.097	1817.394	-1.703
100	318	1789.536	1803.306	13.770
100	322	1856.069	1871.711	15.643
100	323	1765.582	1770.773	5.191
100	325u	1802.720	1813.219	10.499
100	327u	1878.985	1925.113	46.128
100	330u	1814.950	1817.892	2.942
100	332u	1794.253	1773.977	-20.276
100	333u	1830.459	1847.060	16.601
	Max	1897.668	1925.113	55.217
	Average	1811.677	1816.729	5.052
	Min	1718.875	1725.447	-89.407
	Std Dev	38.702	40.982	26.286

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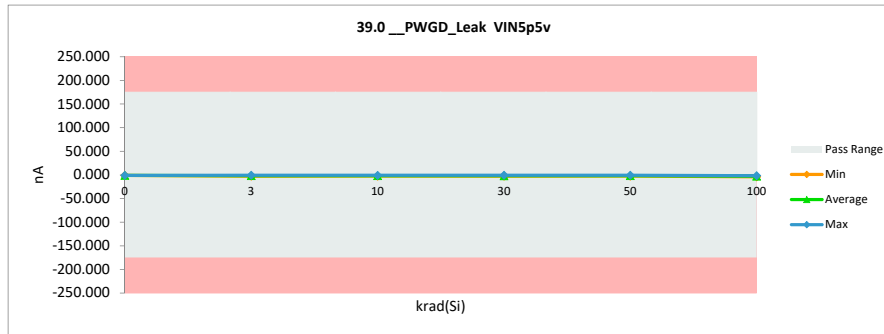
39.0_PWGD_Leak_VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	nA	nA
Max Limit	175	175
Min Limit	-175	-175

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	-1.308	-1.158	0.150
3	48	-2.236	-1.911	0.326
3	49	-2.013	-2.458	-0.444
3	51	-0.711	-1.658	-0.946
3	54	-1.256	-2.184	-0.928
3	56	-1.942	-1.436	0.506
3	57u	-1.278	-2.759	-1.481
3	58u	-0.149	-1.232	-1.083
3	59u	-1.288	-0.826	0.462
3	61u	-1.544	-2.319	-0.775
3	62u	-1.507	-1.403	0.104
10	65	-2.027	-2.539	-0.512
10	67	-0.564	-2.605	-2.041
10	68	-0.699	-0.909	-0.210
10	73	-0.460	-1.567	-1.106
10	74	-0.391	-1.450	-1.059
10	75u	-0.632	-1.424	-0.792
10	76u	-1.469	-1.966	-0.496
10	77u	-0.897	-2.318	-1.421
10	78u	-0.552	-1.124	-0.572
10	79u	-0.785	-1.582	-0.797
30	81	-0.726	-1.501	-0.774
30	83	-0.692	-0.659	0.032
30	84	-1.745	-1.416	0.329
30	86	-6.887	-1.978	4.909
30	89	-0.338	-1.302	-0.964
30	94u	-0.828	-2.636	-1.808
30	96u	-1.375	-2.004	-0.628
30	98u	-0.759	-2.668	-1.909
30	100u	-0.789	-2.844	-2.055
30	102u	-1.963	-1.990	-0.027
50	107	-1.437	-1.613	-0.176
50	108	-0.473	-1.597	-1.124
50	110	-0.809	-1.778	-0.969
50	111	-2.005	-1.238	0.767
50	113	-1.634	-1.857	-0.223
50	114u	-1.877	-2.209	-0.332
50	115u	-2.395	-0.831	1.564
50	118u	-1.621	-2.685	-1.064
50	119u	-1.659	-2.052	-0.394
50	122u	-1.571	-2.341	-0.770
100	125	-1.811	-3.612	-1.801
100	126	-0.588	-3.088	-2.500
100	127	-0.625	-3.284	-2.659
100	128	-0.867	-2.171	-1.304
100	129	-1.156	-3.497	-2.341
100	130	-1.256	-2.583	-1.327
100	132	-1.044	-2.287	-1.243
100	198	-1.408	-3.293	-1.885
100	199	-1.349	-2.444	-1.094
100	201	-2.145	-4.068	-1.923
100	208	-2.199	-2.240	-0.041
100	209	-0.692	-4.206	-3.514
100	210	-1.114	-2.031	-0.917
100	214	-2.180	-3.539	-1.359



39.0_PWGD_Leak_VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	175	nA
Min Limit	-175	nA

krad(Si)	0	3	10	30	50	100
LL	-175.000	-175.000	-175.000	-175.000	-175.000	-175.000
Min	-1.158	-2.759	-2.605	-2.844	-2.685	-4.206
Average	-1.158	-1.819	-1.748	-1.900	-1.820	-2.835
Max	-1.158	-0.826	-0.909	-0.659	-0.831	-1.686
UL	175.000	175.000	175.000	175.000	175.000	175.000



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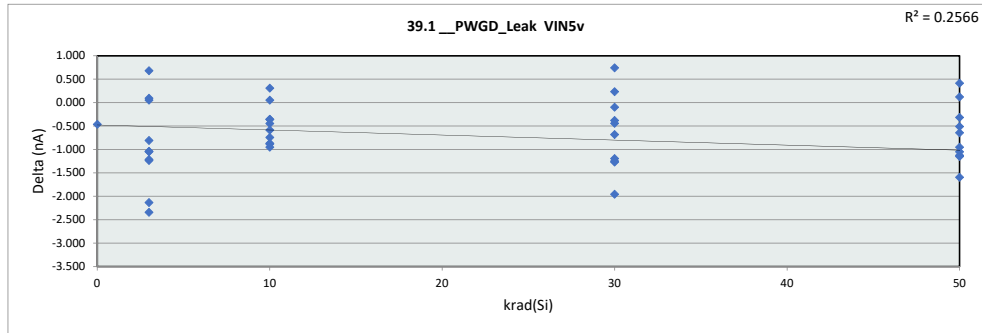
100	217	-2.167	-2.568	-0.401
100	218	-0.767	-2.990	-2.223
100	219	-0.723	-2.272	-1.549
100	220	-1.577	-3.352	-1.776
100	317	-1.001	-2.748	-1.747
100	318	-0.974	-2.737	-1.763
100	322	-0.964	-3.791	-2.827
100	323	-2.280	-2.337	-0.056
100	325u	-0.771	-2.317	-1.547
100	327u	-1.554	-1.686	-0.132
100	330u	-1.734	-2.521	-0.786
100	332u	-2.172	-2.242	-0.069
100	333u	-0.882	-2.637	-1.755
	Max	-0.149	-0.659	4.909
	Average	-1.343	-2.214	-0.872
	Min	-6.887	-4.206	-3.514
	Std Dev	0.897	0.797	1.169

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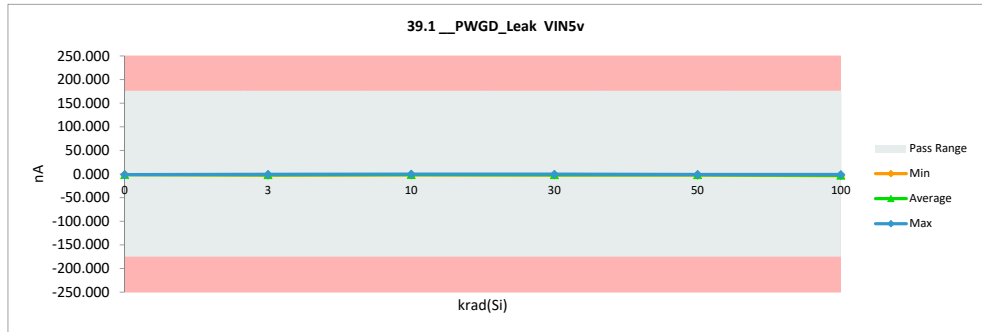
39.1 PWGD_Leak VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	nA	nA
Max Limit	175	175
Min Limit	-175	-175

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	-0.767	-1.232	-0.465
3	48	-1.567	-2.376	-0.809
3	49	-1.553	-2.594	-1.041
3	51	-0.427	-1.642	-1.216
3	54	-1.772	-1.720	0.052
3	56	-1.487	-0.805	0.681
3	57u	0.156	-1.977	-2.133
3	58u	0.079	-1.156	-1.235
3	59u	-1.280	-1.186	0.094
3	61u	0.830	-1.512	-2.342
3	62u	-0.591	-1.639	-1.048
10	65	-1.706	-1.654	0.052
10	67	-0.962	-1.831	-0.868
10	68	-0.020	-0.378	-0.358
10	73	-0.034	-0.481	-0.447
10	74	-0.446	-1.397	-0.951
10	75u	-1.186	-1.543	-0.357
10	76u	-1.285	-2.167	-0.883
10	77u	-1.342	-2.087	-0.745
10	78u	0.274	-0.313	-0.587
10	79u	-1.084	-0.776	0.308
30	81	-0.961	-1.643	-0.682
30	83	-1.121	-0.379	0.742
30	84	-1.398	-1.495	-0.097
30	86	-1.355	-1.121	0.234
30	89	-0.178	-1.448	-1.270
30	94u	-0.146	-2.103	-1.958
30	96u	-0.980	-1.425	-0.445
30	98u	-0.929	-2.123	-1.194
30	100u	-0.722	-1.970	-1.248
30	102u	-1.827	-2.209	-0.382
50	107	-0.786	-1.737	-0.951
50	108	-0.321	-0.964	-0.643
50	110	-0.449	-2.045	-1.595
50	111	-0.641	-1.154	-0.513
50	113	-0.424	-1.475	-1.051
50	114u	-1.703	-1.581	0.122
50	115u	-1.556	-1.141	0.415
50	118u	-0.814	-1.130	-0.316
50	119u	-1.054	-2.180	-1.126
50	122u	-1.254	-2.403	-1.148
100	125	-0.483	-3.580	-3.097
100	126	-1.007	-2.322	-1.315
100	127	-0.449	-2.809	-2.360
100	128	-0.358	-1.194	-0.836
100	129	-0.971	-1.908	-0.938
100	130	-1.667	-2.485	-0.818
100	132	-0.816	-2.700	-1.884
100	198	-0.267	-2.391	-2.124
100	199	-0.519	-1.635	-1.116
100	201	-1.551	-3.061	-1.511
100	208	-1.854	-3.018	-1.164
100	209	-0.431	-2.634	-2.203
100	210	-0.677	-2.594	-1.918
100	214	-1.776	-3.102	-1.326



39.1 PWGD_Leak VIN5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	175	nA
Min Limit	-175	nA

krad(Si)	0	3	10	30	50	100
LL	-175.000	-175.000	-175.000	-175.000	-175.000	-175.000
Min	-1.233	-2.594	-2.167	-2.209	-2.403	-3.581
Average	-1.233	-1.661	-1.263	-1.592	-1.581	-2.468
Max	-1.233	-0.805	-0.313	-0.379	-0.964	-1.026
UL	175.000	175.000	175.000	175.000	175.000	175.000



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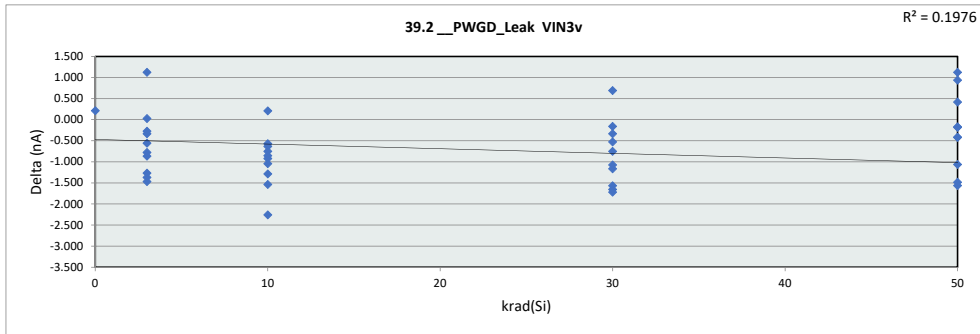
100	217	-0.731	-3.142	-2.412
100	218	-0.270	-3.219	-2.949
100	219	0.027	-2.783	-2.811
100	220	-0.615	-2.047	-1.432
100	317	-0.534	-2.805	-2.271
100	318	-1.200	-1.026	0.174
100	322	-0.753	-2.854	-2.100
100	323	-1.410	-2.828	-1.418
100	325u	-0.246	-1.860	-1.614
100	327u	-0.311	-1.715	-1.404
100	330u	-0.933	-2.673	-1.740
100	332u	-1.680	-2.664	-0.984
100	333u	-0.999	-1.593	-0.594
	Max	0.830	-0.313	0.742
	Average	-0.842	-1.895	-1.052
	Min	-1.854	-3.580	-3.097
	Std Dev	0.593	0.762	0.868

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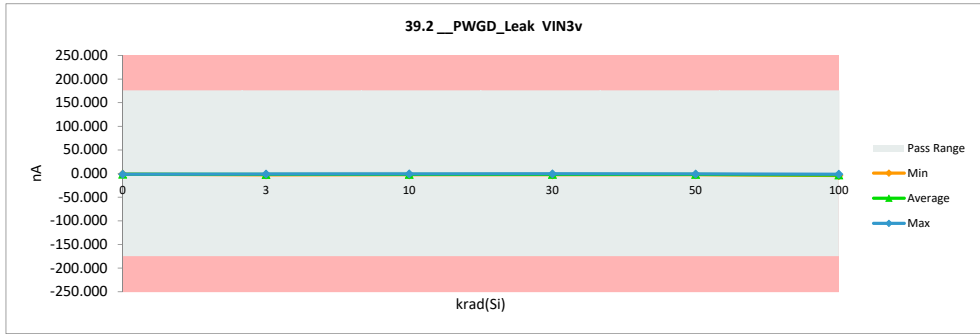
39.2_PWGD_Leak_VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	nA	nA
Max Limit	175	175
Min Limit	-175	-175

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	-1.570	-1.359	0.211
3	48	-1.476	-2.034	-0.558
3	49	-2.064	-2.038	0.026
3	51	-0.407	-1.674	-1.266
3	54	-1.298	-1.571	-0.273
3	56	-2.272	-1.150	1.122
3	57u	-1.256	-2.727	-1.471
3	58u	-0.670	-1.448	-0.778
3	59u	-1.167	-1.501	-0.334
3	61u	-1.465	-2.838	-1.372
3	62u	-1.116	-1.980	-0.864
10	65	-1.512	-2.365	-0.853
10	67	-0.328	-2.586	-2.257
10	68	-0.786	-0.579	0.207
10	73	-0.965	-2.009	-1.044
10	74	-0.858	-1.491	-0.633
10	75u	-0.474	-1.226	-0.752
10	76u	-1.504	-2.428	-0.924
10	77u	-0.627	-2.164	-1.537
10	78u	-0.827	-1.398	-0.571
10	79u	-0.710	-1.999	-1.289
30	81	-0.717	-1.243	-0.527
30	83	-0.586	-0.920	-0.334
30	84	-1.715	-1.024	0.691
30	86	-0.606	-2.174	-1.567
30	89	-0.485	-0.644	-0.159
30	94u	-1.305	-2.379	-1.074
30	96u	-1.121	-2.288	-1.167
30	98u	-0.368	-2.090	-1.722
30	100u	-0.923	-2.578	-1.655
30	102u	-1.536	-2.288	-0.752
50	107	-0.695	-1.757	-1.062
50	108	-0.919	-2.405	-1.486
50	110	-1.004	-1.176	-0.172
50	111	-2.029	-0.907	1.122
50	113	-1.995	-2.179	-0.184
50	114u	-1.983	-2.403	-0.420
50	115u	-1.969	-1.033	0.937
50	118u	-1.911	-2.329	-0.419
50	119u	-2.022	-1.605	0.417
50	122u	-0.511	-2.077	-1.566
100	125	-1.480	-3.315	-1.834
100	126	-0.601	-2.882	-2.281
100	127	-0.508	-3.478	-2.970
100	128	-1.261	-2.879	-1.618
100	129	-1.075	-3.287	-2.213
100	130	-1.130	-3.223	-2.093
100	132	-0.423	-2.079	-1.657
100	198	-1.838	-3.241	-1.403
100	199	-1.446	-3.229	-1.783
100	201	-1.686	-3.854	-2.168
100	208	-1.903	-2.342	-0.439
100	209	-1.630	-4.119	-2.490
100	210	-0.602	-1.981	-1.379
100	214	-2.012	-3.397	-1.384



39.2_PWGD_Leak_VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	175	nA
Min Limit	-175	nA

krad(Si)	0	3	10	30	50	100
LL	-175.000	-175.000	-175.000	-175.000	-175.000	-175.000
Min	-1.359	-2.838	-2.586	-2.578	-2.405	-4.119
Average	-1.359	-1.896	-1.824	-1.763	-1.787	-2.884
Max	-1.359	-1.150	-0.579	-0.644	-0.907	-1.415
UL	175.000	175.000	175.000	175.000	175.000	175.000



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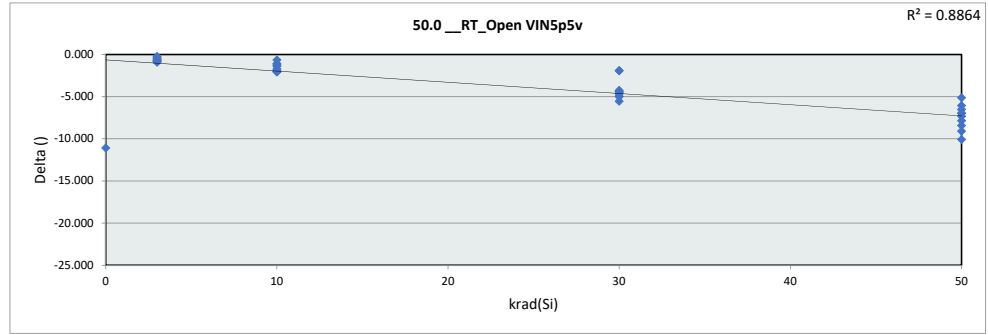
100	217	-1.850	-2.122	-0.271
100	218	-0.784	-2.839	-2.055
100	219	-0.872	-2.190	-1.317
100	220	-1.570	-3.711	-2.141
100	317	-0.393	-2.686	-2.293
100	318	-0.335	-2.999	-2.664
100	322	-0.529	-3.560	-3.031
100	323	-1.510	-1.951	-0.440
100	325u	-0.688	-3.866	-3.178
100	327u	-1.344	-2.110	-0.766
100	330u	-2.247	-1.415	0.832
100	332u	-1.974	-2.119	-0.145
100	333u	-0.586	-3.006	-2.420
	Max	-0.328	-0.579	1.122
	Average	-1.177	-2.234	-1.058
	Min	-2.272	-4.119	-3.178
	Std Dev	0.571	0.831	1.009

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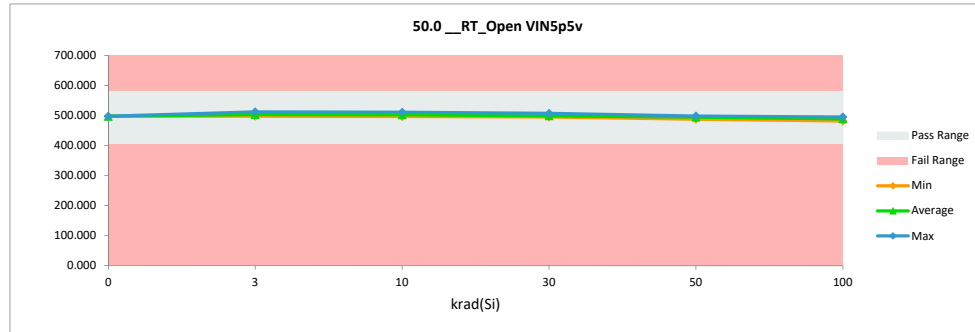
50.0 RT_Open VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	580	580
Min Limit	405	405

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	508.448	497.351	-11.097
3	48	498.710	497.870	-0.840
3	49	505.802	505.120	-0.682
3	51	503.599	503.162	-0.437
3	54	506.710	506.347	-0.363
3	56	500.998	500.759	-0.239
3	57u	512.925	512.005	-0.920
3	58u	502.680	501.958	-0.721
3	59u	502.795	501.912	-0.884
3	61u	500.690	500.122	-0.568
3	62u	503.405	502.717	-0.689
10	65	501.459	500.310	-1.149
10	67	503.998	502.682	-1.316
10	68	506.500	505.854	-0.647
10	73	511.737	510.644	-1.093
10	74	502.117	500.060	-2.057
10	75u	503.748	501.856	-1.892
10	76u	504.450	502.449	-2.001
10	77u	502.691	500.619	-2.071
10	78u	500.866	499.480	-1.386
10	79u	498.394	496.682	-1.712
30	81	504.112	499.860	-4.252
30	83	500.722	495.768	-4.955
30	84	501.326	499.393	-1.933
30	86	504.678	500.164	-4.513
30	89	500.032	498.114	-1.918
30	94u	504.463	500.103	-4.360
30	96u	500.991	495.442	-5.549
30	98u	499.350	494.917	-4.434
30	100u	511.979	506.973	-5.006
30	102u	500.007	495.339	-4.668
50	107	497.790	490.829	-6.961
50	108	503.166	496.177	-6.989
50	110	499.330	494.194	-5.137
50	111	503.205	497.136	-6.069
50	113	506.023	498.163	-7.860
50	114u	501.535	494.210	-7.324
50	115u	496.643	487.551	-9.092
50	118u	503.434	496.916	-6.518
50	119u	503.068	492.974	-10.094
50	122u	505.913	497.473	-8.440
100	125	496.913	485.174	-11.739
100	126	503.288	490.579	-12.709
100	127	504.855	492.454	-12.402
100	128	504.525	490.125	-14.400
100	129	497.559	485.459	-12.101
100	130	506.088	490.285	-15.803
100	132	506.584	494.363	-12.221
100	198	505.754	492.052	-13.702
100	199	494.425	482.857	-11.568
100	201	499.774	486.249	-13.525
100	208	501.584	488.777	-12.806
100	209	505.804	485.966	-19.839
100	210	504.609	491.700	-12.909
100	214	498.909	483.988	-14.921



50.0 RT_Open VIN5p5v	
Test Site	DAL-FL
Tester	ETS36409
Test Number	EB386805
Max Limit	580
Min Limit	405

krad(Si)	0	3	10	30	50	100
LL	405.000	405.000	405.000	405.000	405.000	405.000
Min	497.351	497.870	496.682	494.917	487.551	481.896
Average	497.351	503.197	502.063	498.607	494.562	488.586
Max	497.351	512.005	510.644	506.973	498.163	495.344
UL	580.000	580.000	580.000	580.000	580.000	580.000



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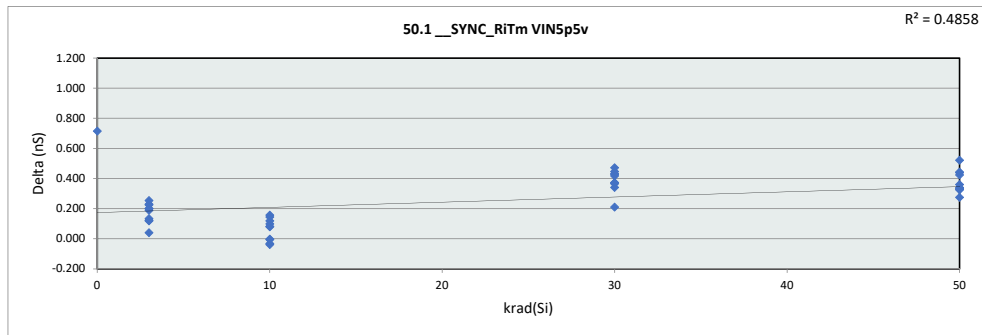
100	217	505.742	490.664	-15.078
100	218	499.669	484.648	-15.021
100	219	503.869	491.586	-12.283
100	220	494.689	481.896	-12.794
100	317	499.848	486.800	-13.048
100	318	504.904	492.612	-12.292
100	322	503.647	489.060	-14.586
100	323	502.728	490.225	-12.503
100	325u	510.641	495.344	-15.297
100	327u	505.096	490.274	-14.822
100	330u	503.259	487.530	-15.729
100	332u	501.581	483.346	-18.235
100	333u	503.026	487.818	-15.209
	Max	512.925	512.005	-0.239
	Average	502.939	495.198	-7.741
	Min	494.425	481.896	-19.839
	Std Dev	3.692	6.965	5.756

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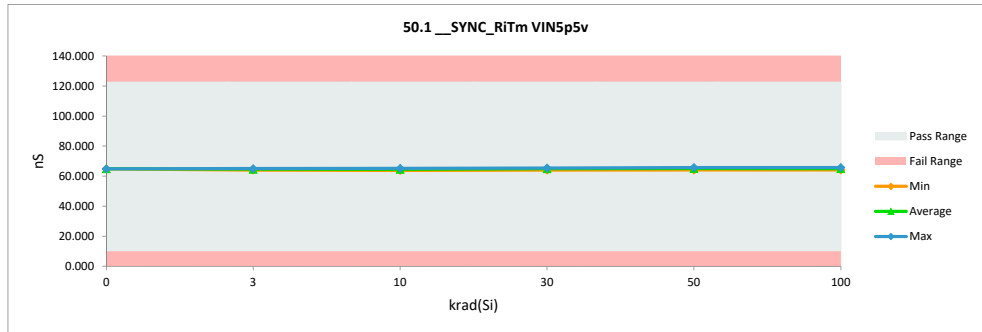
50.1 __SYNC_RiTm VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	nS	nS
Max Limit	122.5	122.5
Min Limit	10	10

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	64.187	64.903	0.715
3	48	64.701	64.930	0.230
3	49	64.153	64.354	0.201
3	51	64.152	64.341	0.189
3	54	63.844	63.965	0.122
3	56	64.669	64.870	0.201
3	57u	64.330	64.584	0.254
3	58u	64.649	64.875	0.226
3	59u	64.550	64.684	0.134
3	61u	64.895	65.014	0.119
3	62u	64.238	64.279	0.041
10	65	64.507	64.606	0.099
10	67	64.165	64.321	0.157
10	68	64.959	65.040	0.081
10	73	63.673	63.791	0.119
10	74	65.136	65.134	-0.002
10	75u	64.497	64.641	0.145
10	76u	64.577	64.572	-0.005
10	77u	64.313	64.392	0.080
10	78u	64.878	64.846	-0.032
10	79u	64.124	64.086	-0.038
30	81	65.146	65.357	0.210
30	83	64.622	65.094	0.471
30	84	63.632	64.078	0.446
30	86	64.636	65.009	0.373
30	89	64.817	65.159	0.341
30	94u	64.515	64.946	0.431
30	96u	64.680	65.097	0.417
30	98u	64.755	65.185	0.429
30	100u	63.614	63.985	0.371
30	102u	64.563	64.929	0.366
50	107	65.274	65.549	0.275
50	108	64.502	64.832	0.331
50	110	65.346	65.671	0.325
50	111	64.443	64.783	0.340
50	113	64.307	64.666	0.360
50	114u	64.579	65.003	0.424
50	115u	64.550	65.072	0.522
50	118u	65.076	65.407	0.331
50	119u	64.808	65.251	0.443
50	122u	63.583	64.022	0.438
100	125	64.276	64.824	0.548
100	126	64.100	64.723	0.623
100	127	63.563	64.076	0.513
100	128	64.044	64.672	0.628
100	129	64.601	65.223	0.622
100	130	64.299	64.980	0.682
100	132	64.356	65.038	0.682
100	198	64.421	64.885	0.463
100	199	64.631	65.155	0.525
100	201	64.806	65.206	0.400
100	208	64.728	65.093	0.365
100	209	63.702	64.755	1.053
100	210	64.590	64.945	0.355
100	214	64.466	64.913	0.447



50.1 __SYNC_RiTm VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	122.5	nS
Min Limit	10	nS

krad(Si)	0	3	10	30	50	100
LL	10.000	10.000	10.000	10.000	10.000	10.000
Min	64.903	63.965	63.791	63.985	64.022	64.076
Average	64.903	64.590	64.543	64.884	65.026	64.966
Max	64.903	65.014	65.134	65.357	65.671	65.685
UL	122.500	122.500	122.500	122.500	122.500	122.500



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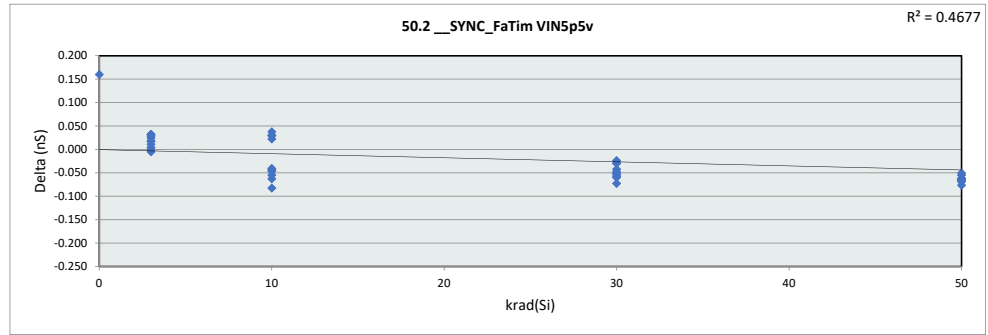
100	217	64.548	65.005	0.457
100	218	64.697	65.147	0.450
100	219	64.697	65.129	0.432
100	220	64.893	65.217	0.324
100	317	65.230	65.685	0.455
100	318	64.632	65.025	0.393
100	322	64.194	64.559	0.365
100	323	64.365	64.796	0.430
100	325u	63.990	64.561	0.571
100	327u	63.914	64.402	0.487
100	330u	65.005	65.502	0.497
100	332u	64.667	65.102	0.435
100	333u	64.997	65.455	0.457
	Max	65.346	65.685	1.053
	Average	64.486	64.844	0.358
	Min	63.563	63.791	-0.038
	Std Dev	0.421	0.424	0.201

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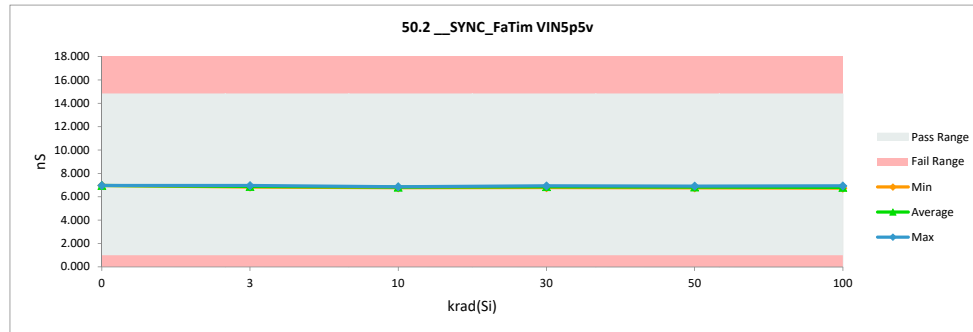
50.2 __SYNC_FaTim VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	nS	nS
Max Limit	14.8	14.8
Min Limit	1	1

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	6.808	6.968	0.160
3	48	6.875	6.904	0.029
3	49	6.844	6.862	0.018
3	51	6.954	6.958	0.004
3	54	6.829	6.828	-0.001
3	56	6.842	6.874	0.032
3	57u	6.825	6.849	0.024
3	58u	6.830	6.863	0.032
3	59u	6.893	6.888	-0.005
3	61u	6.839	6.856	0.017
3	62u	6.859	6.870	0.011
10	65	6.829	6.858	0.029
10	67	6.829	6.867	0.038
10	68	6.803	6.833	0.030
10	73	6.781	6.803	0.022
10	74	6.813	6.769	-0.043
10	75u	6.827	6.787	-0.041
10	76u	6.876	6.829	-0.046
10	77u	6.841	6.786	-0.055
10	78u	6.938	6.856	-0.083
10	79u	6.894	6.831	-0.063
30	81	6.889	6.846	-0.042
30	83	6.938	6.914	-0.024
30	84	6.983	6.932	-0.051
30	86	6.918	6.889	-0.029
30	89	6.895	6.842	-0.053
30	94u	6.838	6.781	-0.057
30	96u	6.858	6.798	-0.060
30	98u	6.851	6.804	-0.047
30	100u	6.945	6.915	-0.030
30	102u	6.957	6.884	-0.073
50	107	6.899	6.837	-0.063
50	108	6.840	6.789	-0.051
50	110	6.887	6.819	-0.068
50	111	6.953	6.877	-0.076
50	113	6.869	6.807	-0.062
50	114u	6.915	6.851	-0.064
50	115u	6.865	6.802	-0.063
50	118u	6.885	6.816	-0.069
50	119u	6.827	6.761	-0.066
50	122u	6.965	6.910	-0.055
100	125	6.933	6.857	-0.076
100	126	6.821	6.787	-0.034
100	127	6.819	6.763	-0.055
100	128	6.806	6.751	-0.054
100	129	6.801	6.747	-0.054
100	130	6.825	6.783	-0.041
100	132	6.864	6.843	-0.021
100	198	6.844	6.771	-0.073
100	199	6.937	6.853	-0.083
100	201	6.951	6.847	-0.104
100	208	6.862	6.777	-0.085
100	209	6.995	6.774	-0.221
100	210	6.937	6.843	-0.094
100	214	6.858	6.764	-0.094



50.2 __SYNC_FaTim VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	14.8	nS
Min Limit	1	nS

krad(Si)	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	6.968	6.828	6.769	6.781	6.761	6.743
Average	6.968	6.875	6.822	6.860	6.827	6.800
Max	6.968	6.958	6.867	6.932	6.910	6.932
UL	14.800	14.800	14.800	14.800	14.800	14.800



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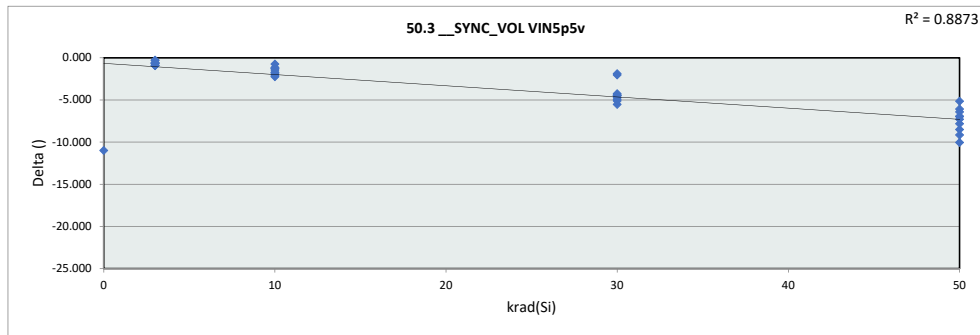
100	217	6.890	6.822	-0.068
100	218	6.856	6.764	-0.092
100	219	6.832	6.744	-0.088
100	220	6.854	6.756	-0.098
100	317	6.892	6.825	-0.068
100	318	6.867	6.805	-0.062
100	322	6.828	6.743	-0.085
100	323	6.851	6.765	-0.086
100	325u	7.014	6.932	-0.081
100	327u	6.987	6.913	-0.073
100	330u	6.858	6.747	-0.111
100	332u	6.870	6.772	-0.098
100	333u	6.935	6.846	-0.089
	Max	7.014	6.968	0.160
	Average	6.876	6.830	-0.047
	Min	6.781	6.743	-0.221
	Std Dev	0.054	0.056	0.052

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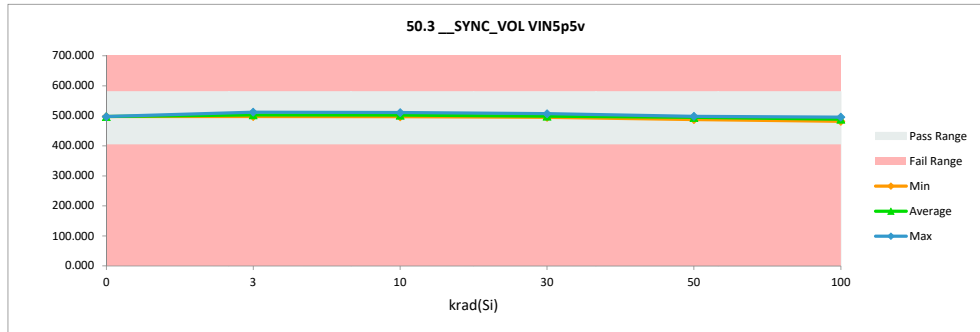
50.3_SYNC_VOL VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	580	580
Min Limit	405	405

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	508.462	497.466	-10.996
3	48	498.879	497.948	-0.931
3	49	505.899	505.228	-0.671
3	51	503.741	503.119	-0.622
3	54	506.785	506.498	-0.287
3	56	501.133	500.832	-0.301
3	57u	512.961	512.052	-0.909
3	58u	502.741	502.113	-0.628
3	59u	502.848	501.973	-0.875
3	61u	500.704	500.054	-0.651
3	62u	503.438	502.862	-0.576
10	65	501.606	500.337	-1.270
10	67	504.010	502.774	-1.236
10	68	506.602	505.859	-0.743
10	73	511.772	510.625	-1.147
10	74	502.238	500.077	-2.161
10	75u	503.800	502.009	-1.791
10	76u	504.449	502.514	-1.935
10	77u	502.823	500.578	-2.245
10	78u	500.937	499.477	-1.460
10	79u	498.494	496.783	-1.711
30	81	504.097	499.833	-4.264
30	83	500.789	495.862	-4.928
30	84	501.458	499.424	-2.034
30	86	504.724	500.211	-4.513
30	89	500.216	498.326	-1.890
30	94u	504.517	500.051	-4.466
30	96u	501.046	495.507	-5.538
30	98u	499.441	495.025	-4.416
30	100u	512.010	506.901	-5.109
30	102u	500.067	495.345	-4.722
50	107	497.880	490.900	-6.980
50	108	503.228	496.296	-6.932
50	110	499.442	494.283	-5.159
50	111	503.227	497.151	-6.076
50	113	506.058	498.237	-7.820
50	114u	501.559	494.258	-7.300
50	115u	496.784	487.630	-9.154
50	118u	503.436	497.010	-6.426
50	119u	503.045	492.994	-10.051
50	122u	506.017	497.507	-8.511
100	125	496.987	485.255	-11.732
100	126	503.265	490.626	-12.638
100	127	504.821	492.502	-12.320
100	128	504.575	490.254	-14.321
100	129	497.717	485.551	-12.167
100	130	506.167	490.367	-15.800
100	132	506.625	494.478	-12.146
100	198	505.830	492.082	-13.748
100	199	494.626	482.905	-11.721
100	201	499.784	486.227	-13.557
100	208	501.591	488.859	-12.732
100	209	505.853	485.943	-19.910
100	210	504.646	491.644	-13.002
100	214	499.007	484.050	-14.957



50.3_SYNC_VOL VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	580	
Min Limit	405	

krad(Si)	0	3	10	30	50	100
LL	405.000	405.000	405.000	405.000	405.000	405.000
Min	497.466	497.948	496.783	495.025	487.630	482.018
Average	497.466	503.268	502.103	498.648	494.626	488.634
Max	497.466	512.052	510.625	506.901	498.237	495.398
UL	580.000	580.000	580.000	580.000	580.000	580.000



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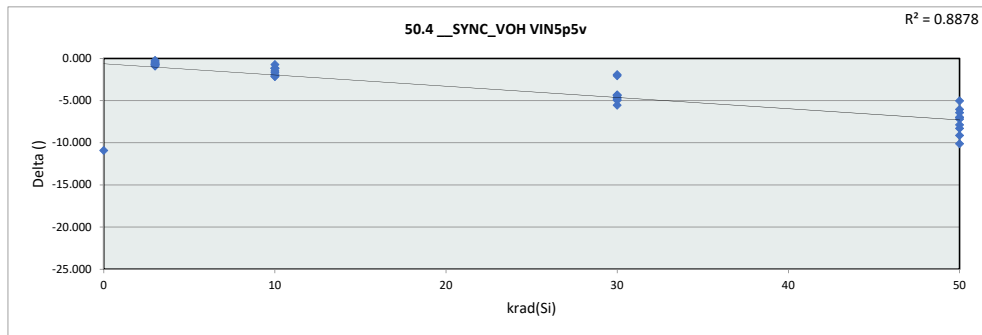
100	217	505.822	490.674	-15.148
100	218	499.781	484.712	-15.069
100	219	503.904	491.468	-12.435
100	220	494.760	482.018	-12.742
100	317	499.941	486.844	-13.097
100	318	505.002	492.649	-12.353
100	322	503.688	489.190	-14.498
100	323	502.714	490.228	-12.486
100	325u	510.742	495.397	-15.344
100	327u	505.174	490.364	-14.810
100	330u	503.325	487.594	-15.730
100	332u	501.658	483.411	-18.247
100	333u	502.992	487.834	-15.158
	Max	512.961	512.052	-0.287
	Average	503.005	495.251	-7.754
	Min	494.626	482.018	-19.910
	Std Dev	3.671	6.961	5.750

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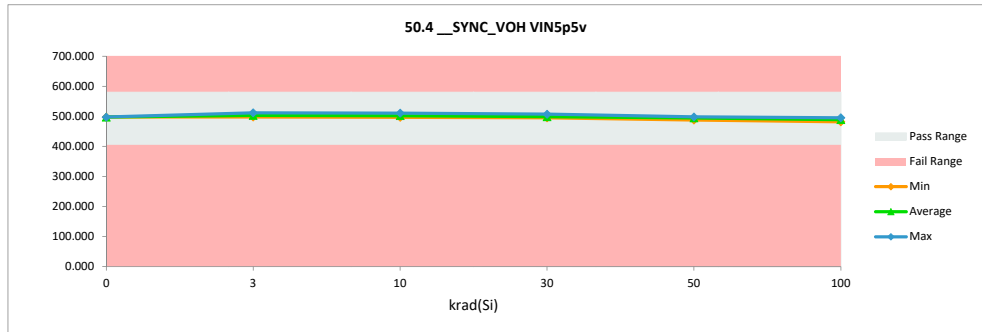
50.4 __SYNC_VOH VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	580	580
Min Limit	405	405

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	508.399	497.485	-10.915
3	48	498.845	497.965	-0.881
3	49	505.886	505.166	-0.719
3	51	503.651	503.157	-0.494
3	54	506.688	506.461	-0.227
3	56	501.105	500.755	-0.349
3	57u	512.916	512.024	-0.892
3	58u	502.671	501.955	-0.716
3	59u	502.765	502.013	-0.751
3	61u	500.747	500.117	-0.630
3	62u	503.448	502.890	-0.558
10	65	501.524	500.367	-1.157
10	67	503.968	502.806	-1.162
10	68	506.482	505.757	-0.725
10	73	511.769	510.601	-1.167
10	74	502.256	500.106	-2.151
10	75u	503.751	501.804	-1.947
10	76u	504.443	502.489	-1.954
10	77u	502.748	500.630	-2.117
10	78u	500.951	499.467	-1.484
10	79u	498.472	496.792	-1.680
30	81	504.221	499.834	-4.387
30	83	500.797	495.870	-4.927
30	84	501.455	499.534	-1.922
30	86	504.721	500.107	-4.614
30	89	500.259	498.199	-2.059
30	94u	504.527	500.187	-4.340
30	96u	501.081	495.529	-5.552
30	98u	499.414	495.068	-4.346
30	100u	511.949	506.995	-4.955
30	102u	500.085	495.369	-4.716
50	107	497.814	490.828	-6.986
50	108	503.250	496.255	-6.995
50	110	499.365	494.333	-5.031
50	111	503.272	497.228	-6.044
50	113	506.017	498.137	-7.879
50	114u	501.482	494.290	-7.191
50	115u	496.691	487.551	-9.140
50	118u	503.363	496.930	-6.434
50	119u	503.153	493.035	-10.118
50	122u	505.902	497.605	-8.297
100	125	496.915	485.203	-11.712
100	126	503.366	490.590	-12.777
100	127	504.909	492.558	-12.350
100	128	504.662	490.207	-14.454
100	129	497.633	485.490	-12.143
100	130	506.095	490.390	-15.705
100	132	506.543	494.344	-12.199
100	198	505.717	492.088	-13.629
100	199	494.529	482.963	-11.566
100	201	499.858	486.337	-13.521
100	208	501.725	488.786	-12.939
100	209	505.842	485.942	-19.899
100	210	504.526	491.632	-12.895
100	214	498.942	484.071	-14.872



50.4 __SYNC_VOH VIN5p5v	
Test Site	DAL-FL
Tester	ETS36409
Test Number	EB386805
Max Limit	580
Min Limit	405

krad(Si)	0	3	10	30	50	100
LL	405.000	405.000	405.000	405.000	405.000	405.000
Min	497.485	497.965	496.792	495.068	487.551	482.019
Average	497.485	503.250	502.082	498.669	494.619	488.620
Max	497.485	512.024	510.601	506.995	498.137	495.239
UL	580.000	580.000	580.000	580.000	580.000	580.000



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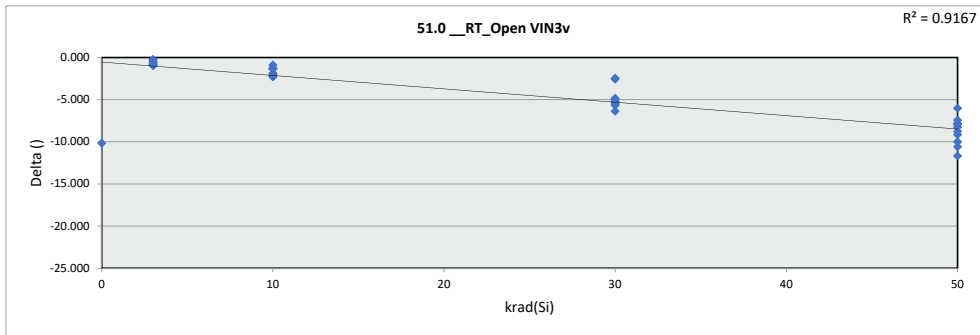
100	217	505.914	490.632	-15.282
100	218	499.742	484.685	-15.057
100	219	503.966	491.572	-12.394
100	220	494.870	482.019	-12.851
100	317	499.898	486.817	-13.081
100	318	504.867	492.649	-12.217
100	322	503.768	489.127	-14.641
100	323	502.818	490.244	-12.574
100	325u	510.702	495.238	-15.464
100	327u	505.168	490.357	-14.810
100	330u	503.418	487.595	-15.822
100	332u	501.720	483.419	-18.301
100	333u	503.106	487.783	-15.323
	Max	512.916	512.024	-0.227
	Average	502.993	495.242	-7.751
	Min	494.529	482.019	-19.899
	Std Dev	3.666	6.959	5.769

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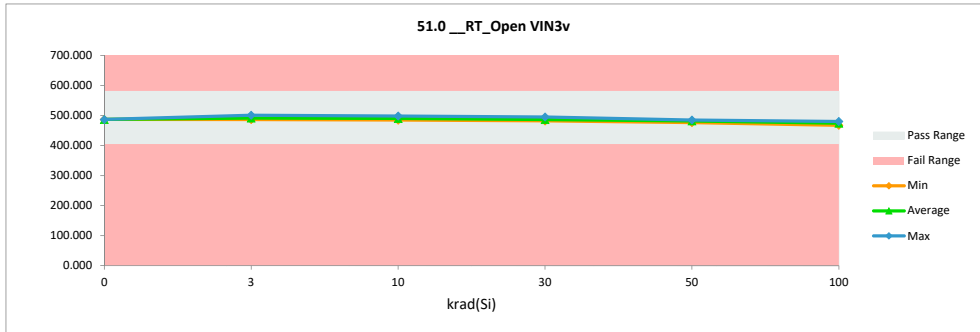
5962R2021001VSC (TPS7H4002-SP)

51.0 RT_Open VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	580	580
Min Limit	405	405

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	496.750	486.594	-10.156
3	48	487.633	486.711	-0.922
3	49	492.631	491.731	-0.900
3	51	491.304	490.766	-0.538
3	54	494.184	493.908	-0.276
3	56	490.192	489.941	-0.251
3	57u	501.924	501.018	-0.906
3	58u	490.780	489.958	-0.822
3	59u	489.766	488.828	-0.938
3	61u	487.884	487.309	-0.575
3	62u	491.984	491.322	-0.662
10	65	489.295	488.060	-1.236
10	67	492.450	491.053	-1.397
10	68	493.678	492.776	-0.902
10	73	499.605	498.287	-1.318
10	74	490.664	488.363	-2.300
10	75u	492.202	490.311	-1.890
10	76u	490.963	488.717	-2.246
10	77u	490.813	488.661	-2.151
10	78u	489.513	488.180	-1.333
10	79u	486.477	484.527	-1.951
30	81	492.811	487.851	-4.960
30	83	488.523	482.857	-5.666
30	84	488.828	486.266	-2.561
30	86	493.161	488.316	-4.846
30	89	488.412	485.953	-2.459
30	94u	491.441	486.329	-5.112
30	96u	489.192	482.829	-6.363
30	98u	488.618	483.288	-5.330
30	100u	500.654	495.070	-5.584
30	102u	487.382	481.975	-5.407
50	107	486.089	478.136	-7.954
50	108	492.296	484.039	-8.257
50	110	488.011	481.978	-6.033
50	111	490.409	482.973	-7.435
50	113	494.098	484.942	-9.156
50	114u	490.648	481.894	-8.754
50	115u	486.997	476.392	-10.605
50	118u	491.145	483.337	-7.808
50	119u	491.374	479.697	-11.677
50	122u	493.815	483.800	-10.015
100	125	485.052	471.379	-13.672
100	126	491.149	476.068	-15.081
100	127	492.833	478.203	-14.629
100	128	492.901	476.109	-16.792
100	129	486.493	471.727	-14.766
100	130	492.678	474.375	-18.302
100	132	493.080	478.426	-14.654
100	198	493.870	477.898	-15.972
100	199	482.893	469.465	-13.428
100	201	487.353	471.323	-16.030
100	208	489.718	474.490	-15.229
100	209	493.985	472.088	-21.896
100	210	492.873	477.602	-15.271
100	214	487.348	469.844	-17.503



51.0 RT_Open VIN3v						
Test Site	DAL-FL					
Tester	ETS36409					
Test Number	EB386805					
Max Limit	580					
Min Limit	405					
krad(Si)	0	3	10	30	50	100
LL	405.000	405.000	405.000	405.000	405.000	405.000
Min	486.594	486.711	484.527	481.975	476.392	467.347
Average	486.594	491.149	489.894	486.074	481.719	474.149
Max	486.594	501.018	498.287	495.070	484.942	480.429
UL	580.000	580.000	580.000	580.000	580.000	580.000



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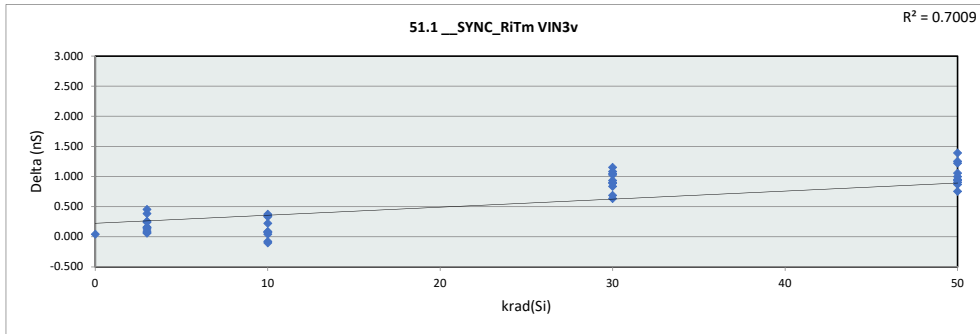
100	217	494.899	477.187	-17.712
100	218	488.814	471.162	-17.652
100	219	491.348	476.692	-14.656
100	220	484.596	469.380	-15.216
100	317	489.334	473.706	-15.628
100	318	491.422	476.913	-14.509
100	322	491.678	474.833	-16.845
100	323	490.862	475.703	-15.159
100	325u	498.388	480.429	-17.960
100	327u	491.726	474.116	-17.610
100	330u	491.586	472.780	-18.806
100	332u	488.468	467.346	-21.121
100	333u	490.928	472.777	-18.151
	Max	501.924	501.018	-0.251
	Average	491.042	482.014	-9.028
	Min	482.893	467.346	-21.896
	Std Dev	3.500	7.792	6.760

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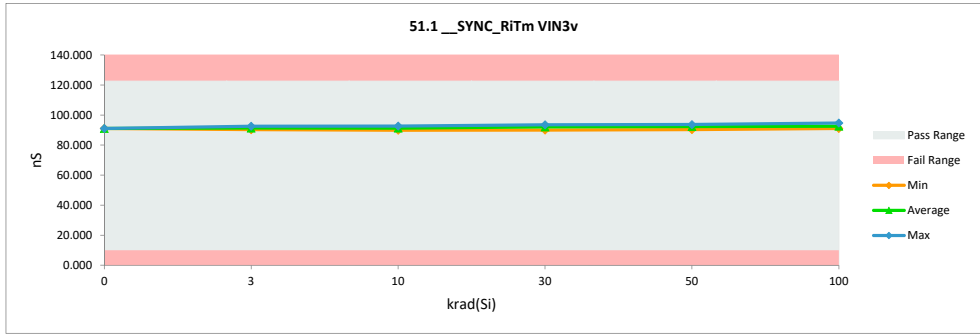
51.1 __SYNC_RiTm VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	nS	nS
Max Limit	122.5	122.5
Min Limit	10	10

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	91.046	91.089	0.043
3	48	91.603	91.988	0.385
3	49	90.475	90.716	0.242
3	51	89.939	90.392	0.453
3	54	90.150	90.216	0.065
3	56	91.552	91.708	0.156
3	57u	91.378	91.637	0.258
3	58u	91.584	91.677	0.093
3	59u	91.370	91.503	0.132
3	61u	92.351	92.511	0.160
3	62u	90.755	90.815	0.060
10	65	90.999	91.222	0.223
10	67	90.289	90.662	0.373
10	68	92.280	92.626	0.346
10	73	89.794	89.870	0.076
10	74	92.478	92.564	0.086
10	75u	91.376	91.419	0.043
10	76u	91.181	91.515	0.334
10	77u	90.933	90.856	-0.076
10	78u	91.479	91.555	0.076
10	79u	90.177	90.076	-0.101
30	81	92.182	92.817	0.635
30	83	90.980	92.008	1.028
30	84	89.131	89.968	0.837
30	86	91.614	92.503	0.890
30	89	91.838	92.525	0.687
30	94u	91.437	92.590	1.153
30	96u	91.976	92.878	0.901
30	98u	92.414	93.464	1.050
30	100u	89.127	90.061	0.934
30	102u	90.742	91.824	1.082
50	107	92.207	93.140	0.933
50	108	91.193	91.948	0.755
50	110	92.584	93.640	1.056
50	111	90.571	91.439	0.869
50	113	90.893	91.797	0.903
50	114u	90.777	91.777	0.999
50	115u	91.301	92.554	1.253
50	118u	92.338	93.559	1.220
50	119u	92.302	93.253	0.951
50	122u	88.898	90.291	1.393
100	125	90.451	91.830	1.379
100	126	90.417	91.915	1.498
100	127	89.631	91.055	1.424
100	128	90.492	92.034	1.542
100	129	91.565	93.072	1.508
100	130	91.034	92.690	1.657
100	132	90.474	92.274	1.800
100	198	91.127	92.443	1.317
100	199	90.706	92.101	1.394
100	201	91.373	92.556	1.182
100	208	91.912	92.864	0.952
100	209	89.364	92.121	2.757
100	210	91.222	92.090	0.868
100	214	91.274	92.557	1.282



51.1 __SYNC_RiTm VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	122.5	nS
Min Limit	10	nS

krad(Si)	0	3	10	30	50	100
LL	10.000	10.000	10.000	10.000	10.000	10.000
Min	91.089	90.216	89.870	89.968	90.291	91.055
Average	91.089	91.316	91.237	92.064	92.340	92.581
Max	91.089	92.511	92.626	93.464	93.640	94.710
UL	122.500	122.500	122.500	122.500	122.500	122.500



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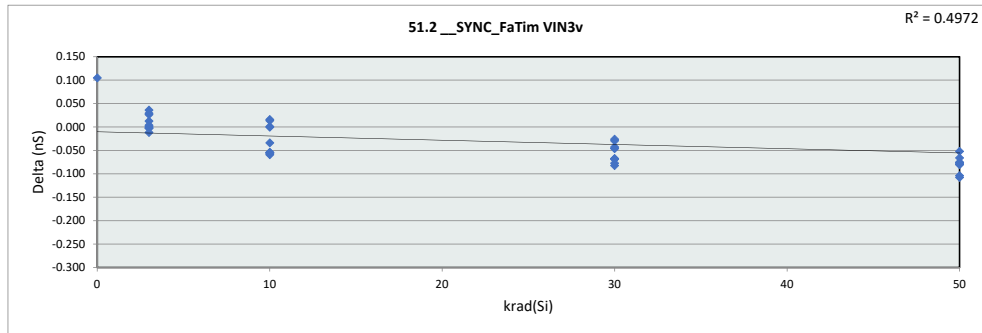
100	217	91.405	92.643	1.238
100	218	91.978	93.177	1.199
100	219	91.827	93.092	1.264
100	220	91.955	92.990	1.035
100	317	92.520	94.710	2.190
100	318	91.182	92.349	1.166
100	322	90.868	92.015	1.147
100	323	90.936	92.080	1.144
100	325u	89.417	91.242	1.825
100	327u	89.734	91.418	1.684
100	330u	92.117	94.155	2.038
100	332u	91.985	93.568	1.583
100	333u	91.936	94.639	2.703
	Max	92.584	94.710	2.757
	Average	91.126	92.064	0.937
	Min	88.898	89.870	-0.101
	Std Dev	0.910	1.081	0.651

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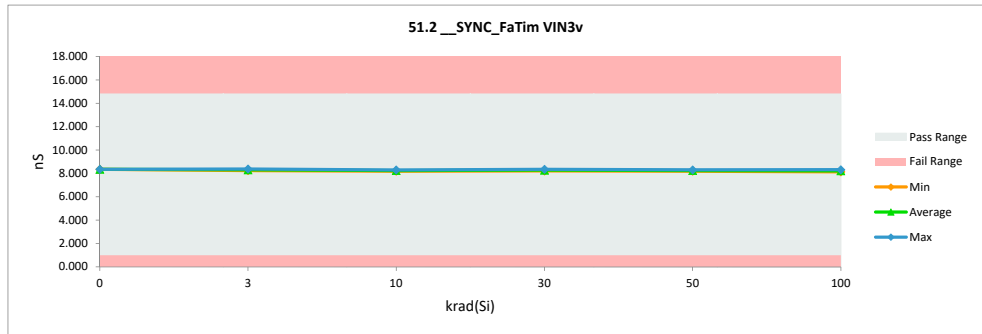
51.2_SYNC_FaTim VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	nS	nS
Max Limit	14.8	14.8
Min Limit	1	1

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	8.246	8.351	0.105
3	48	8.293	8.319	0.027
3	49	8.266	8.264	-0.002
3	51	8.382	8.385	0.003
3	54	8.244	8.241	-0.003
3	56	8.284	8.297	0.013
3	57u	8.270	8.267	-0.002
3	58u	8.291	8.292	0.001
3	59u	8.295	8.331	0.036
3	61u	8.280	8.309	0.029
3	62u	8.320	8.308	-0.012
10	65	8.277	8.293	0.016
10	67	8.252	8.266	0.014
10	68	8.249	8.250	0.001
10	73	8.211	8.210	0.000
10	74	8.243	8.188	-0.054
10	75u	8.252	8.198	-0.055
10	76u	8.305	8.271	-0.034
10	77u	8.268	8.209	-0.059
10	78u	8.347	8.292	-0.055
10	79u	8.318	8.261	-0.057
30	81	8.310	8.264	-0.046
30	83	8.379	8.350	-0.030
30	84	8.386	8.319	-0.067
30	86	8.371	8.303	-0.068
30	89	8.314	8.231	-0.083
30	94u	8.238	8.212	-0.026
30	96u	8.284	8.207	-0.077
30	98u	8.292	8.249	-0.043
30	100u	8.366	8.320	-0.046
30	102u	8.357	8.288	-0.069
50	107	8.359	8.251	-0.108
50	108	8.285	8.233	-0.052
50	110	8.323	8.242	-0.080
50	111	8.375	8.300	-0.075
50	113	8.305	8.229	-0.077
50	114u	8.349	8.268	-0.080
50	115u	8.282	8.206	-0.076
50	118u	8.326	8.222	-0.104
50	119u	8.248	8.182	-0.066
50	122u	8.371	8.295	-0.076
100	125	8.319	8.257	-0.062
100	126	8.278	8.220	-0.058
100	127	8.249	8.185	-0.064
100	128	8.219	8.167	-0.052
100	129	8.217	8.153	-0.063
100	130	8.241	8.209	-0.032
100	132	8.260	8.248	-0.012
100	198	8.279	8.189	-0.090
100	199	8.341	8.247	-0.094
100	201	8.350	8.265	-0.085
100	208	8.294	8.198	-0.096
100	209	8.413	8.179	-0.235
100	210	8.389	8.270	-0.120
100	214	8.313	8.209	-0.103



51.2_SYNC_FaTim VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	14.8	nS
Min Limit	1	nS

krad(Si)	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	8.351	8.241	8.188	8.207	8.182	8.134
Average	8.351	8.302	8.244	8.274	8.243	8.212
Max	8.351	8.385	8.293	8.350	8.300	8.315
UL	14.800	14.800	14.800	14.800	14.800	14.800



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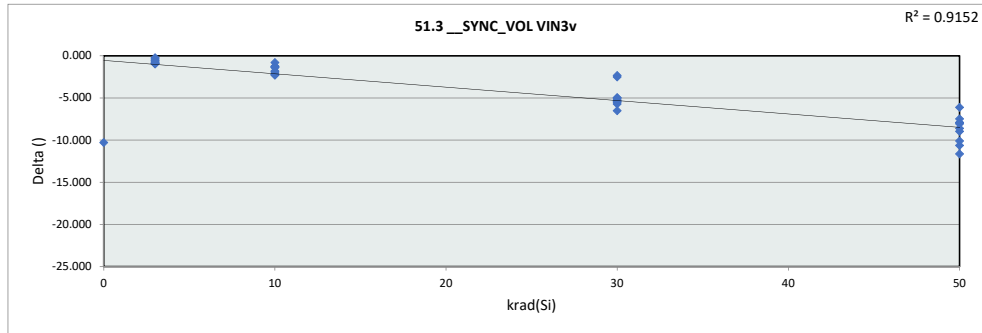
100	217	8.322	8.216	-0.106
100	218	8.275	8.172	-0.103
100	219	8.265	8.182	-0.083
100	220	8.302	8.209	-0.093
100	317	8.316	8.217	-0.099
100	318	8.295	8.208	-0.087
100	322	8.252	8.156	-0.096
100	323	8.292	8.167	-0.126
100	325u	8.397	8.315	-0.081
100	327u	8.402	8.305	-0.097
100	330u	8.288	8.134	-0.154
100	332u	8.302	8.201	-0.101
100	333u	8.393	8.242	-0.151
	Max	8.413	8.385	0.105
	Average	8.304	8.246	-0.059
	Min	8.211	8.134	-0.235
	Std Dev	0.050	0.054	0.052

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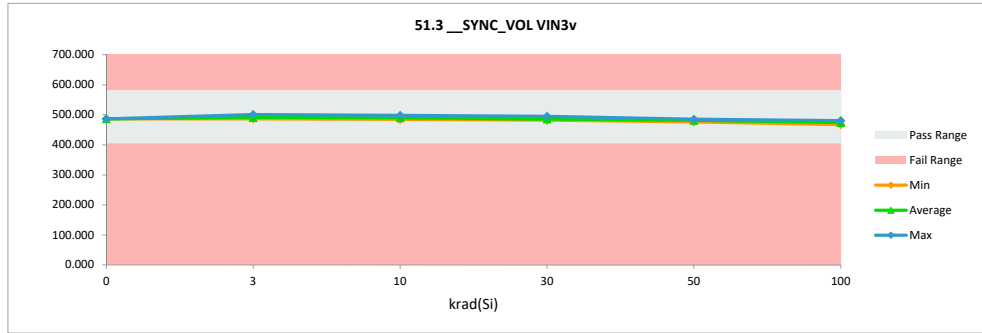
51.3 __SYNC_VOL VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	580	580
Min Limit	405	405

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	496.825	486.527	-10.298
3	48	487.665	486.728	-0.937
3	49	492.633	491.771	-0.862
3	51	491.296	490.816	-0.480
3	54	494.209	493.922	-0.287
3	56	490.163	489.926	-0.237
3	57u	501.907	501.022	-0.885
3	58u	490.820	489.977	-0.843
3	59u	489.805	488.831	-0.974
3	61u	487.882	487.260	-0.622
3	62u	491.981	491.357	-0.624
10	65	489.270	488.032	-1.239
10	67	492.451	491.086	-1.365
10	68	493.679	492.876	-0.803
10	73	499.607	498.208	-1.399
10	74	490.652	488.347	-2.305
10	75u	492.164	490.360	-1.804
10	76u	490.988	488.794	-2.195
10	77u	490.845	488.623	-2.222
10	78u	489.468	488.191	-1.277
10	79u	486.490	484.573	-1.918
30	81	492.765	487.790	-4.974
30	83	488.394	482.889	-5.505
30	84	488.799	486.278	-2.520
30	86	493.262	488.285	-4.977
30	89	488.309	485.962	-2.347
30	94u	491.496	486.359	-5.137
30	96u	489.290	482.777	-6.514
30	98u	488.658	483.336	-5.323
30	100u	500.695	494.980	-5.715
30	102u	487.290	481.867	-5.424
50	107	486.041	478.112	-7.929
50	108	492.217	484.139	-8.078
50	110	488.080	481.956	-6.124
50	111	490.379	482.899	-7.480
50	113	494.071	485.103	-8.968
50	114u	490.475	481.879	-8.596
50	115u	487.022	476.384	-10.638
50	118u	491.239	483.302	-7.937
50	119u	491.385	479.753	-11.632
50	122u	493.867	483.759	-10.109
100	125	485.053	471.369	-13.684
100	126	491.091	476.087	-15.003
100	127	492.931	478.263	-14.668
100	128	492.898	476.057	-16.841
100	129	486.523	471.736	-14.787
100	130	492.652	474.325	-18.327
100	132	492.997	478.447	-14.549
100	198	493.946	477.955	-15.991
100	199	482.946	469.473	-13.473
100	201	487.231	471.275	-15.956
100	208	489.766	474.497	-15.269
100	209	494.005	472.090	-21.915
100	210	492.886	477.534	-15.352
100	214	487.394	469.835	-17.559



51.3 __SYNC_VOL VIN3v	
Test Site	DAL-FL
Tester	ETS36409
Test Number	EB386805
Max Limit	580
Min Limit	405

krad(Si)	0	3	10	30	50	100
LL	405.000	405.000	405.000	405.000	405.000	405.000
Min	486.527	486.728	484.573	481.867	476.384	467.353
Average	486.527	491.161	489.909	486.052	481.729	474.152
Max	486.527	501.023	498.208	494.980	485.103	480.477
UL	580.000	580.000	580.000	580.000	580.000	580.000



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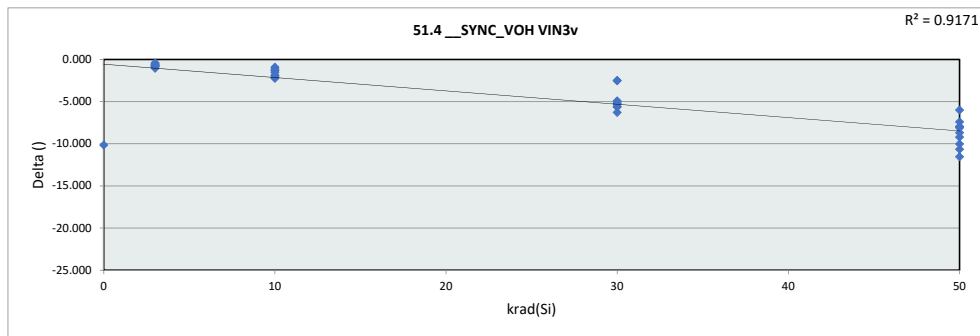
100	217	494.913	477.070	-17.843
100	218	488.820	471.251	-17.569
100	219	491.290	476.658	-14.632
100	220	484.615	469.445	-15.170
100	317	489.428	473.780	-15.648
100	318	491.420	476.962	-14.458
100	322	491.708	474.825	-16.883
100	323	490.840	475.719	-15.121
100	325u	498.440	480.477	-17.963
100	327u	491.771	474.177	-17.594
100	330u	491.518	472.756	-18.762
100	332u	488.576	467.353	-21.223
100	333u	490.913	472.693	-18.219
	Max	501.907	501.022	-0.237
	Average	491.046	482.017	-9.029
	Min	482.946	467.353	-21.915
	Std Dev	3.505	7.792	6.769

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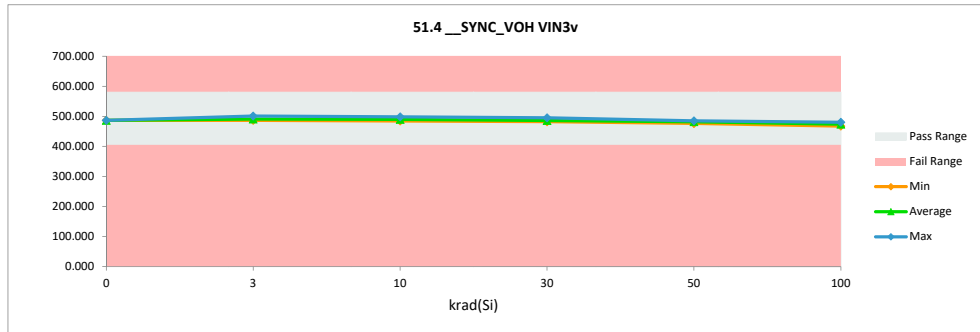
51.4 __SYNC_VOH VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	580	580
Min Limit	405	405

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	496.745	486.580	-10.165
3	48	487.574	486.833	-0.741
3	49	492.607	491.748	-0.859
3	51	491.327	490.710	-0.618
3	54	494.247	493.779	-0.468
3	56	490.273	489.874	-0.399
3	57u	501.960	500.911	-1.049
3	58u	490.728	489.900	-0.828
3	59u	489.753	488.912	-0.841
3	61u	487.989	487.246	-0.743
3	62u	491.959	491.341	-0.618
10	65	489.242	488.112	-1.131
10	67	492.603	491.062	-1.541
10	68	493.681	492.755	-0.925
10	73	499.571	498.263	-1.309
10	74	490.673	488.449	-2.224
10	75u	492.148	490.289	-1.859
10	76u	490.972	488.769	-2.203
10	77u	490.766	488.661	-2.105
10	78u	489.594	488.253	-1.342
10	79u	486.487	484.517	-1.970
30	81	492.778	487.818	-4.961
30	83	488.410	482.775	-5.635
30	84	488.827	486.296	-2.531
30	86	493.095	488.174	-4.921
30	89	488.401	485.911	-2.490
30	94u	491.485	486.291	-5.194
30	96u	489.131	482.835	-6.296
30	98u	488.568	483.357	-5.211
30	100u	500.726	495.125	-5.601
30	102u	487.359	482.000	-5.359
50	107	486.043	478.053	-7.990
50	108	492.224	484.112	-8.112
50	110	488.031	482.027	-6.004
50	111	490.366	482.952	-7.413
50	113	494.142	484.924	-9.219
50	114u	490.624	481.916	-8.708
50	115u	487.009	476.363	-10.645
50	118u	491.250	483.294	-7.956
50	119u	491.270	479.732	-11.538
50	122u	493.771	483.750	-10.021
100	125	484.943	471.305	-13.638
100	126	491.078	476.078	-15.001
100	127	492.819	478.197	-14.621
100	128	492.832	476.009	-16.823
100	129	486.527	471.719	-14.808
100	130	492.672	474.379	-18.293
100	132	493.081	478.517	-14.564
100	198	493.842	477.908	-15.934
100	199	482.893	469.436	-13.457
100	201	487.362	471.312	-16.051
100	208	489.603	474.488	-15.115
100	209	493.940	472.167	-21.773
100	210	492.926	477.562	-15.364
100	214	487.412	469.869	-17.543



51.4 __SYNC_VOH VIN3v	
Test Site	DAL-FL
Tester	ETS36409
Test Number	EB386805
Max Limit	580
Min Limit	405

krad(Si)	0	3	10	30	50	100
LL	405.000	405.000	405.000	405.000	405.000	405.000
Min	486.580	486.833	484.517	482.000	476.363	467.403
Average	486.580	491.125	489.913	486.058	481.712	474.157
Max	486.580	500.911	498.263	495.125	484.924	480.508
UL	580.000	580.000	580.000	580.000	580.000	580.000



LDR Report

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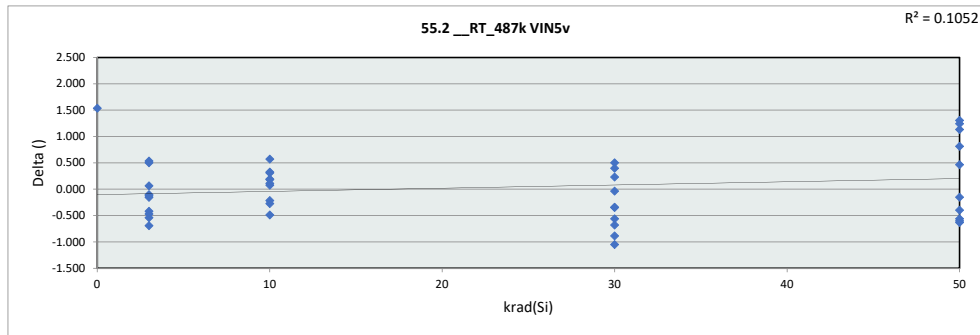
100	217	494.867	477.169	-17.699
100	218	488.771	471.162	-17.608
100	219	491.340	476.632	-14.708
100	220	484.621	469.413	-15.207
100	317	489.228	473.712	-15.516
100	318	491.376	476.977	-14.400
100	322	491.717	474.862	-16.855
100	323	490.826	475.679	-15.147
100	325u	498.371	480.508	-17.863
100	327u	491.720	474.169	-17.551
100	330u	491.585	472.853	-18.732
100	332u	488.474	467.403	-21.071
100	333u	490.936	472.762	-18.174
	Max	501.960	500.911	-0.399
	Average	491.032	482.013	-9.019
	Min	482.893	467.403	-21.773
	Std Dev	3.506	7.782	6.740

LDR Report

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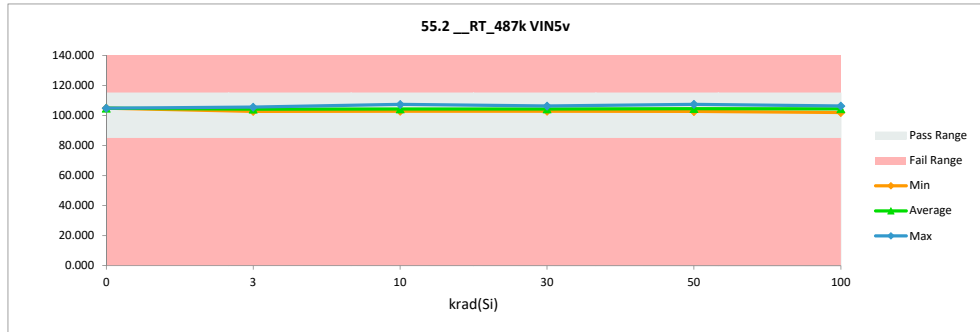
55.2_RT_487k VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	115	115
Min Limit	85	85

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	103.371	104.908	1.537
3	48	105.280	104.588	-0.692
3	49	105.500	104.959	-0.540
3	51	105.996	105.577	-0.419
3	54	104.625	104.689	0.064
3	56	103.327	103.223	-0.104
3	57u	104.105	104.606	0.501
3	58u	104.312	104.845	0.533
3	59u	103.218	103.063	-0.155
3	61u	104.502	104.378	-0.124
3	62u	103.213	102.744	-0.470
10	65	103.545	103.055	-0.490
10	67	103.337	103.662	0.325
10	68	104.990	104.773	-0.217
10	73	104.081	104.392	0.311
10	74	104.295	104.022	-0.273
10	75u	107.261	107.338	0.077
10	76u	103.711	104.281	0.571
10	77u	102.677	102.858	0.181
10	78u	105.140	105.249	0.109
10	79u	103.412	103.601	0.190
30	81	103.862	103.827	-0.035
30	83	104.394	104.048	-0.346
30	84	105.282	104.233	-1.049
30	86	106.964	106.284	-0.680
30	89	105.467	104.906	-0.562
30	94u	102.416	102.813	0.397
30	96u	103.722	104.224	0.502
30	98u	103.823	104.055	0.232
30	100u	104.323	103.438	-0.885
30	102u	105.531	105.187	-0.344
50	107	104.373	104.220	-0.153
50	108	103.750	103.353	-0.397
50	110	103.305	102.674	-0.631
50	111	103.407	102.846	-0.561
50	113	104.452	103.850	-0.602
50	114u	104.810	106.052	1.243
50	115u	105.425	105.888	0.464
50	118u	106.309	107.441	1.132
50	119u	103.472	104.287	0.815
50	122u	103.257	104.564	1.307
100	125	103.946	104.200	0.254
100	126	106.011	106.066	0.055
100	127	102.986	103.542	0.555
100	128	102.726	102.884	0.159
100	129	102.772	103.656	0.884
100	130	102.673	102.778	0.105
100	132	103.507	104.254	0.746
100	198	105.654	105.382	-0.271
100	199	103.791	103.433	-0.357
100	201	103.467	103.101	-0.365
100	208	103.097	103.492	0.395
100	209	103.062	105.133	2.071
100	210	105.017	104.553	-0.465
100	214	105.658	105.548	-0.110



55.2_RT_487k VIN5v	
Test Site	DAL-FL
Tester	ETS36409
Test Number	EB386805
Max Limit	115
Min Limit	85

krad(Si)	0	3	10	30	50	100
LL	85.000	85.000	85.000	85.000	85.000	85.000
Min	104.908	102.744	102.858	102.813	102.674	101.999
Average	104.908	104.267	104.323	104.301	104.518	104.431
Max	104.908	105.577	107.338	106.284	107.441	106.289
UL	115.000	115.000	115.000	115.000	115.000	115.000



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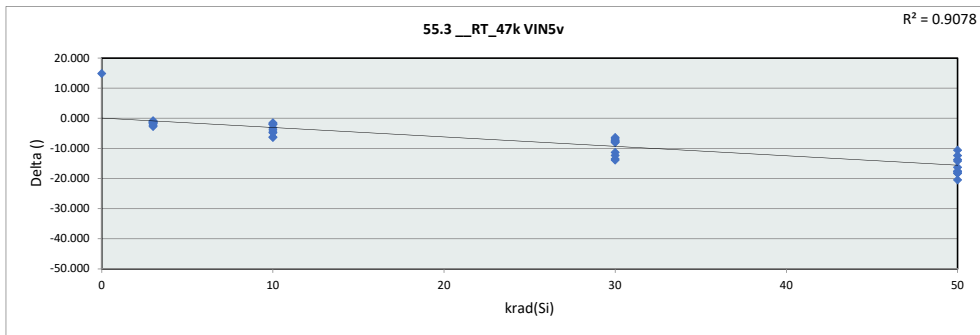
100	217	102.541	101.999	-0.542
100	218	103.337	104.017	0.680
100	219	102.970	103.746	0.776
100	220	103.812	104.068	0.256
100	317	104.193	104.448	0.255
100	318	105.192	104.929	-0.263
100	322	105.446	104.797	-0.648
100	323	104.282	105.114	0.832
100	325u	103.735	105.952	2.217
100	327u	103.555	104.684	1.129
100	330u	103.285	105.392	2.107
100	332u	104.347	106.289	1.942
100	333u	104.250	106.190	1.940
	Max	107.261	107.441	2.217
	Average	104.170	104.392	0.222
	Min	102.416	101.999	-1.049
	Std Dev	1.089	1.132	0.767

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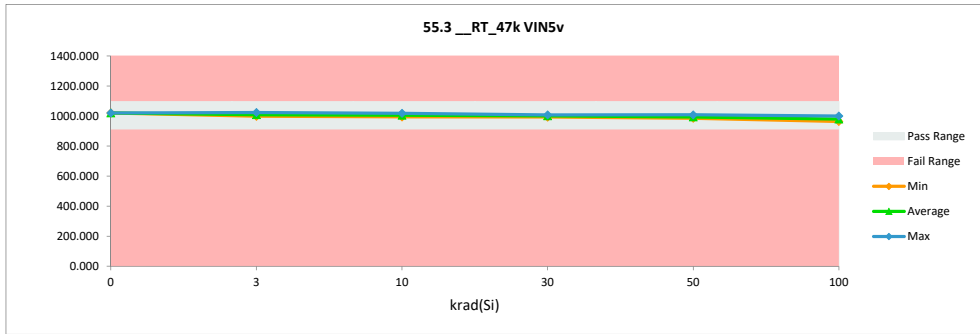
55.3 RT 47k VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	1095	1095
Min Limit	910	910

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	1005.187	1020.047	14.860
3	48	1009.709	1008.230	-1.479
3	49	1018.657	1016.251	-2.405
3	51	1025.026	1023.153	-1.873
3	54	1012.826	1011.136	-1.690
3	56	1005.163	1003.836	-1.327
3	57u	1011.025	1009.852	-1.173
3	58u	1002.453	1001.227	-1.226
3	59u	999.327	998.202	-1.125
3	61u	1002.288	1001.500	-0.788
3	62u	1010.517	1007.827	-2.690
10	65	1000.427	994.111	-6.317
10	67	1009.945	1003.747	-6.198
10	68	1014.220	1009.453	-4.767
10	73	1014.355	1009.769	-4.586
10	74	999.529	995.727	-3.802
10	75u	1019.796	1017.797	-1.999
10	76u	1004.601	1003.109	-1.492
10	77u	1004.655	1001.541	-3.114
10	78u	1010.495	1008.583	-1.911
10	79u	1010.270	1008.418	-1.852
30	81	1008.842	995.359	-13.483
30	83	1008.896	996.559	-12.337
30	84	1013.339	1005.314	-8.025
30	86	1018.820	1004.927	-13.893
30	89	1016.423	1005.103	-11.320
30	94u	999.408	993.036	-6.372
30	96u	1002.047	994.717	-7.330
30	98u	1005.611	998.737	-6.874
30	100u	1014.272	1006.681	-7.591
30	102u	1015.047	1007.193	-7.854
50	107	1005.775	988.175	-17.599
50	108	1007.626	987.144	-20.482
50	110	1005.044	988.807	-16.237
50	111	1012.320	994.150	-18.170
50	113	1003.328	985.047	-18.282
50	114u	1017.583	1005.190	-12.393
50	115u	1007.784	990.212	-17.572
50	118u	1018.620	1008.037	-10.583
50	119u	1002.597	988.411	-14.186
50	122u	1015.392	1001.680	-13.712
100	125	1013.384	972.425	-40.959
100	126	1021.717	993.089	-28.628
100	127	1008.290	976.531	-31.758
100	128	1003.353	974.636	-28.717
100	129	999.777	969.736	-30.041
100	130	1011.762	976.011	-35.751
100	132	1008.744	977.782	-30.962
100	198	1018.286	987.992	-30.293
100	199	1009.267	972.282	-36.985
100	201	1006.634	973.217	-33.416
100	208	998.682	966.423	-32.259
100	209	1014.004	987.347	-26.656
100	210	1011.891	977.116	-34.775
100	214	1020.615	987.774	-32.841



55.3 RT 47k VIN5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1095	
Min Limit	910	

krad(Si)	0	3	10	30	50	100
LL	910.000	910.000	910.000	910.000	910.000	910.000
Min	1020.047	998.202	994.111	993.036	985.047	963.678
Average	1020.047	1008.121	1005.225	1000.762	993.685	979.711
Max	1020.047	1023.153	1017.797	1007.193	1008.038	1000.566
UL	1095.000	1095.000	1095.000	1095.000	1095.000	1095.000



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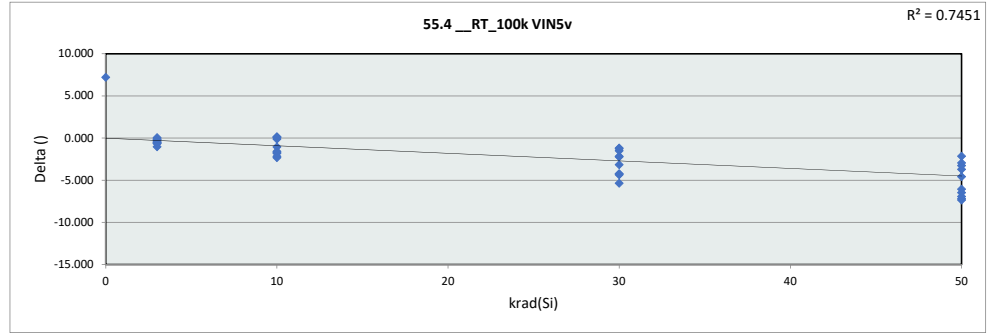
100	217	1001.304	963.678	-37.626
100	218	1000.962	964.324	-36.637
100	219	1011.705	975.507	-36.197
100	220	1006.730	976.024	-30.706
100	317	1009.647	981.239	-28.409
100	318	1017.123	984.583	-32.540
100	322	1011.643	977.149	-34.494
100	323	1014.456	981.689	-32.767
100	325u	1018.002	988.726	-29.276
100	327u	1020.914	1000.566	-20.348
100	330u	1009.067	988.039	-21.028
100	332u	1006.124	982.807	-23.317
100	333u	1018.274	995.510	-22.764
	Max	1025.026	1023.153	14.860
	Average	1010.023	993.385	-16.638
	Min	998.682	963.678	-40.959
	Std Dev	6.495	14.456	13.390

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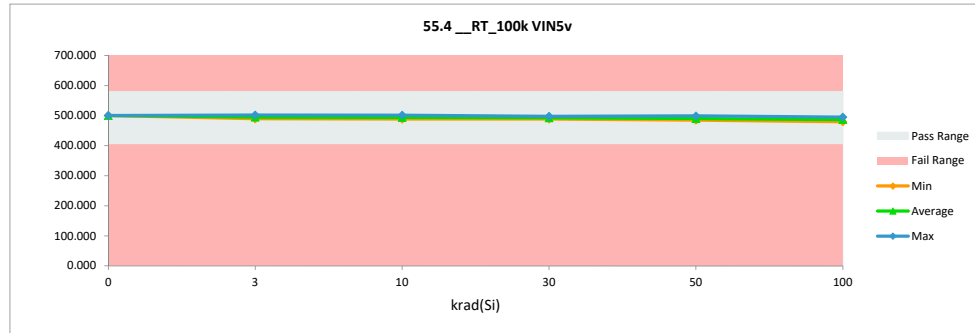
55.4_RT_100k VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	580	580
Min Limit	405	405

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	493.350	500.552	7.202
3	48	494.665	494.110	-0.555
3	49	500.069	499.037	-1.033
3	51	502.883	502.264	-0.619
3	54	497.281	496.790	-0.490
3	56	493.335	492.684	-0.650
3	57u	496.048	495.895	-0.154
3	58u	492.046	491.948	-0.098
3	59u	489.876	489.624	-0.252
3	61u	494.265	494.315	0.050
3	62u	495.053	494.604	-0.449
10	65	490.943	488.771	-2.172
10	67	494.705	492.374	-2.331
10	68	497.672	495.862	-1.809
10	73	498.043	496.460	-1.583
10	74	490.266	488.572	-1.694
10	75u	501.639	501.516	-0.124
10	76u	493.335	493.463	0.129
10	77u	492.223	491.169	-1.053
10	78u	495.818	495.963	0.145
10	79u	495.414	495.479	0.065
30	81	494.266	488.904	-5.362
30	83	494.748	490.395	-4.353
30	84	496.388	493.238	-3.150
30	86	501.972	497.713	-4.259
30	89	498.721	494.479	-4.242
30	94u	489.923	488.737	-1.186
30	96u	491.193	489.687	-1.506
30	98u	493.941	492.688	-1.253
30	100u	496.314	494.145	-2.169
30	102u	498.439	496.203	-2.237
50	107	493.442	486.971	-6.471
50	108	494.911	487.559	-7.353
50	110	492.373	486.305	-6.068
50	111	495.987	489.051	-6.936
50	113	492.225	485.025	-7.200
50	114u	499.668	496.393	-3.275
50	115u	496.351	492.641	-3.710
50	118u	501.185	499.036	-2.149
50	119u	491.221	488.268	-2.953
50	122u	496.724	492.143	-4.581
100	125	497.872	486.176	-11.696
100	126	501.088	490.932	-10.156
100	127	493.733	484.702	-9.031
100	128	490.902	481.342	-9.560
100	129	489.637	480.055	-9.581
100	130	496.871	486.095	-10.775
100	132	495.833	485.661	-10.171
100	198	500.566	491.238	-9.328
100	199	495.430	484.368	-11.062
100	201	494.236	483.653	-10.583
100	208	490.788	481.891	-8.897
100	209	496.087	488.482	-7.606
100	210	496.535	485.834	-10.700
100	214	501.130	490.589	-10.541



55.4_RT_100k VIN5v	
Test Site	DAL-FL
Tester	ETS36409
Test Number	EB386805
Max Limit	580
Min Limit	405

krad(Si)	0	3	10	30	50	100
LL	405.000	405.000	405.000	405.000	405.000	405.000
Min	500.552	489.624	488.572	488.737	485.025	479.903
Average	500.552	495.127	493.963	492.619	490.339	486.807
Max	500.552	502.265	501.516	497.713	499.036	495.090
UL	580.000	580.000	580.000	580.000	580.000	580.000



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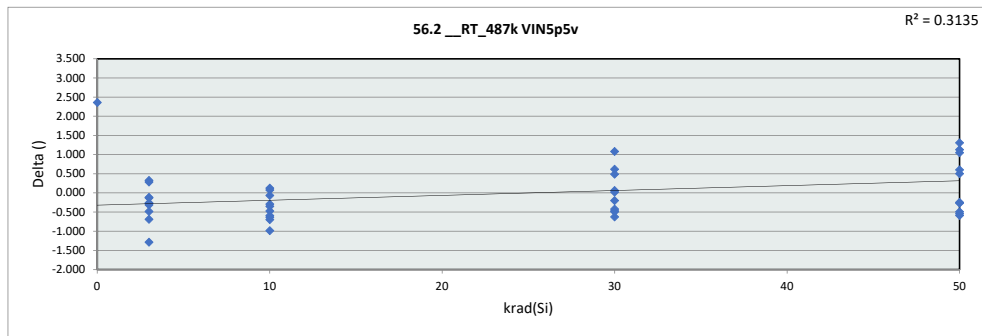
100	217	490.875	479.903	-10.973
100	218	490.907	480.189	-10.718
100	219	495.487	485.424	-10.063
100	220	493.013	484.019	-8.994
100	317	494.768	486.055	-8.713
100	318	498.692	488.501	-10.191
100	322	495.941	484.847	-11.094
100	323	497.056	487.668	-9.388
100	325u	498.613	494.500	-4.113
100	327u	500.266	495.090	-5.177
100	330u	493.976	492.146	-1.830
100	332u	493.023	489.378	-3.646
100	333u	499.112	495.036	-4.076
	Max	502.883	502.264	7.202
	Average	495.461	490.659	-4.802
	Min	489.637	479.903	-11.696
	Std Dev	3.358	5.324	4.232

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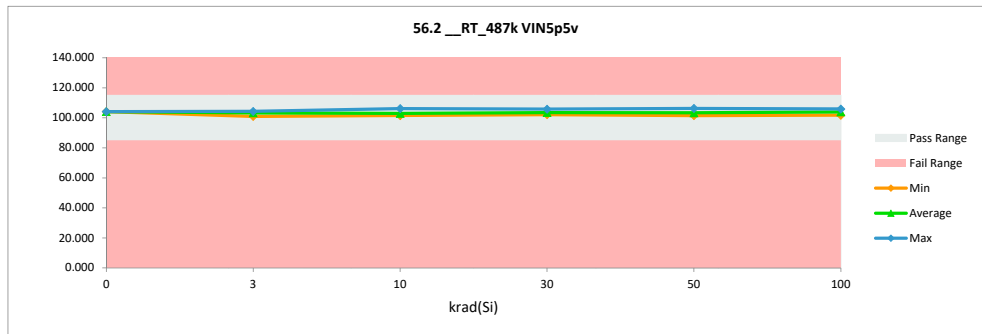
56.2_RT_487k_VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	115	115
Min Limit	85	85

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	101.776	104.134	2.358
3	48	104.176	103.905	-0.271
3	49	104.116	103.633	-0.483
3	51	104.948	104.258	-0.691
3	54	103.522	103.210	-0.312
3	56	102.358	102.228	-0.130
3	57u	103.658	103.395	-0.264
3	58u	103.397	103.723	0.326
3	59u	103.017	102.901	-0.116
3	61u	103.913	104.199	0.285
3	62u	102.184	100.898	-1.286
10	65	102.822	102.189	-0.633
10	67	102.669	102.318	-0.351
10	68	103.874	103.279	-0.595
10	73	103.541	102.844	-0.697
10	74	104.064	103.079	-0.985
10	75u	105.995	106.120	0.125
10	76u	102.545	102.477	-0.068
10	77u	101.442	101.515	0.073
10	78u	103.773	103.302	-0.471
10	79u	102.450	102.157	-0.293
30	81	102.997	102.525	-0.472
30	83	103.313	102.892	-0.421
30	84	103.541	103.562	0.021
30	86	106.374	105.748	-0.626
30	89	104.837	104.345	-0.492
30	94u	101.009	102.089	1.081
30	96u	102.803	103.291	0.488
30	98u	102.805	103.424	0.618
30	100u	102.496	102.294	-0.202
30	102u	104.401	104.462	0.061
50	107	103.297	102.708	-0.589
50	108	102.810	102.544	-0.266
50	110	102.021	101.530	-0.492
50	111	101.977	101.433	-0.544
50	113	103.155	102.908	-0.247
50	114u	103.841	104.344	0.503
50	115u	104.018	105.323	1.305
50	118u	105.146	106.273	1.127
50	119u	102.406	103.007	0.601
50	122u	102.125	103.172	1.047
100	125	102.834	103.429	0.595
100	126	105.058	105.634	0.577
100	127	102.073	103.054	0.981
100	128	101.700	102.250	0.550
100	129	101.928	102.604	0.676
100	130	101.154	101.892	0.739
100	132	102.371	103.920	1.549
100	198	104.251	104.718	0.467
100	199	102.309	102.843	0.534
100	201	102.026	102.343	0.317
100	208	101.738	102.319	0.581
100	209	101.583	104.634	3.051
100	210	104.806	103.850	-0.957
100	214	104.616	105.169	0.554



56.2_RT_487k_VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	115	
Min Limit	85	

krad(Si)	0	3	10	30	50	100
LL	85.000	85.000	85.000	85.000	85.000	85.000
Min	104.134	100.898	101.515	102.089	101.433	101.721
Average	104.134	103.235	102.928	103.463	103.324	103.906
Max	104.134	104.258	106.120	105.748	106.273	105.873
UL	115.000	115.000	115.000	115.000	115.000	115.000



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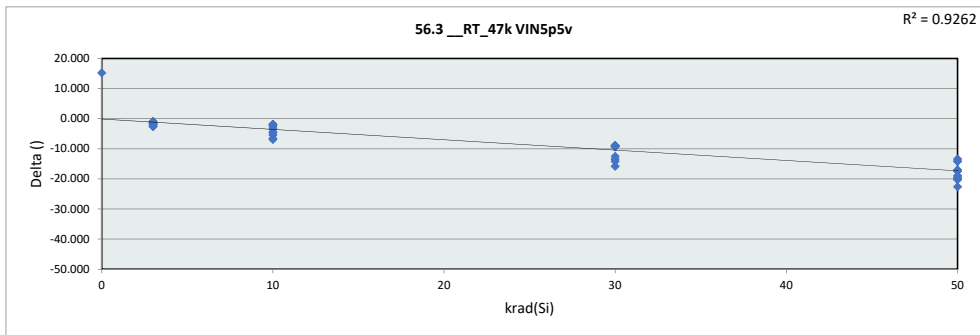
100	217	101.807	101.721	-0.086
100	218	102.845	103.364	0.519
100	219	102.615	103.507	0.892
100	220	103.519	104.217	0.698
100	317	102.792	103.746	0.954
100	318	104.325	104.845	0.520
100	322	104.095	104.559	0.464
100	323	103.933	105.040	1.108
100	325u	102.649	105.289	2.640
100	327u	101.826	103.581	1.754
100	330u	102.898	105.459	2.561
100	332u	103.544	105.872	2.328
100	333u	103.653	105.589	1.936
	Max	106.374	106.273	3.051
	Average	103.155	103.516	0.361
	Min	101.009	100.898	-1.286
	Std Dev	1.140	1.260	0.927

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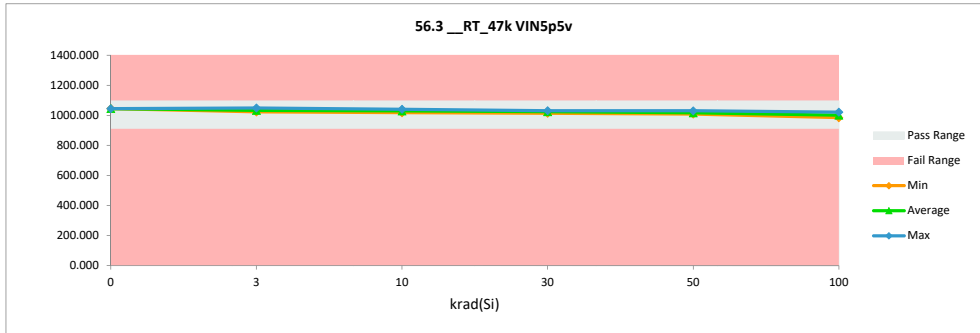
56.3 RT 47k VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	1095	1095
Min Limit	910	910

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	1029.177	1044.379	15.202
3	48	1035.836	1034.244	-1.592
3	49	1043.873	1041.275	-2.598
3	51	1051.171	1049.067	-2.104
3	54	1037.632	1035.816	-1.816
3	56	1029.579	1027.874	-1.705
3	57u	1036.215	1035.294	-0.922
3	58u	1027.153	1025.883	-1.270
3	59u	1024.242	1022.988	-1.254
3	61u	1024.636	1023.601	-1.036
3	62u	1034.599	1031.999	-2.600
10	65	1024.103	1017.216	-6.887
10	67	1033.434	1026.830	-6.604
10	68	1038.811	1033.403	-5.408
10	73	1039.028	1034.545	-4.483
10	74	1025.519	1020.929	-4.590
10	75u	1043.175	1040.488	-2.687
10	76u	1029.580	1027.715	-1.865
10	77u	1027.898	1024.483	-3.415
10	78u	1034.917	1032.714	-2.203
10	79u	1034.089	1032.166	-1.922
30	81	1033.263	1019.095	-14.168
30	83	1033.181	1019.748	-13.433
30	84	1039.903	1030.915	-8.989
30	86	1042.456	1026.624	-15.833
30	89	1041.482	1028.954	-12.528
30	94u	1022.752	1013.761	-8.991
30	96u	1026.365	1017.423	-8.942
30	98u	1029.423	1020.223	-9.199
30	100u	1039.610	1030.592	-9.018
30	102u	1039.496	1030.096	-9.400
50	107	1030.580	1011.629	-18.951
50	108	1030.799	1008.165	-22.634
50	110	1029.941	1012.942	-16.998
50	111	1037.696	1017.645	-20.051
50	113	1027.776	1008.323	-19.453
50	114u	1043.032	1028.843	-14.189
50	115u	1030.619	1010.323	-20.296
50	118u	1043.665	1030.260	-13.405
50	119u	1027.385	1009.898	-17.487
50	122u	1039.692	1025.536	-14.156
100	125	1036.475	995.155	-41.320
100	126	1047.909	1016.613	-31.296
100	127	1033.521	997.664	-35.857
100	128	1027.773	996.333	-31.440
100	129	1025.314	992.212	-33.102
100	130	1034.933	995.709	-39.224
100	132	1034.938	1000.087	-34.851
100	198	1042.570	1008.274	-34.297
100	199	1034.396	993.066	-41.330
100	201	1031.672	993.984	-37.688
100	208	1022.830	987.445	-35.385
100	209	1038.290	1010.167	-28.124
100	210	1037.182	998.687	-38.495
100	214	1044.781	1008.597	-36.184



56.3 RT 47k VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1095	
Min Limit	910	

krad(Si)	0	3	10	30	50	100
LL	910.000	910.000	910.000	910.000	910.000	910.000
Min	1044.379	1022.988	1017.216	1013.761	1008.165	984.661
Average	1044.379	1032.804	1029.049	1023.743	1016.356	1001.023
Max	1044.379	1049.067	1040.488	1030.915	1030.260	1021.720
UL	1095.000	1095.000	1095.000	1095.000	1095.000	1095.000



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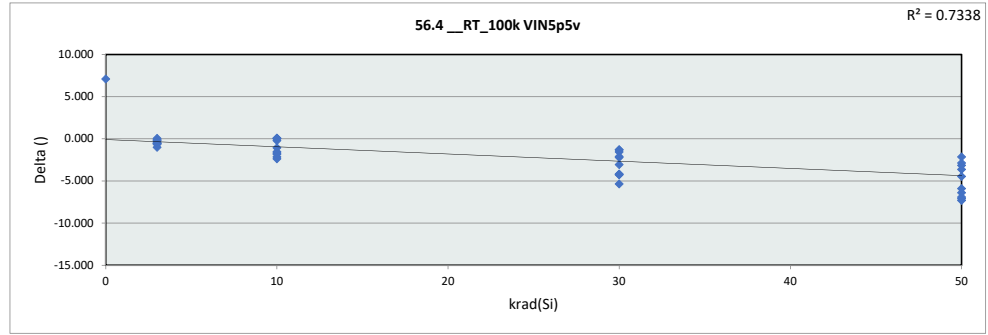
100	217	1024.672	984.661	-40.012
100	218	1024.892	986.251	-38.641
100	219	1034.556	995.624	-38.932
100	220	1031.978	997.698	-34.280
100	317	1035.022	1003.431	-31.592
100	318	1041.908	1005.592	-36.316
100	322	1036.948	998.866	-38.082
100	323	1039.506	1003.398	-36.108
100	325u	1041.865	1009.601	-32.265
100	327u	1045.537	1021.720	-23.817
100	330u	1033.208	1008.342	-24.866
100	332u	1030.696	1003.042	-27.654
100	333u	1042.312	1015.393	-26.919
	Max	1051.171	1049.067	15.202
	Average	1034.551	1016.052	-18.499
	Min	1022.752	984.661	-41.330
	Std Dev	6.722	15.607	14.573

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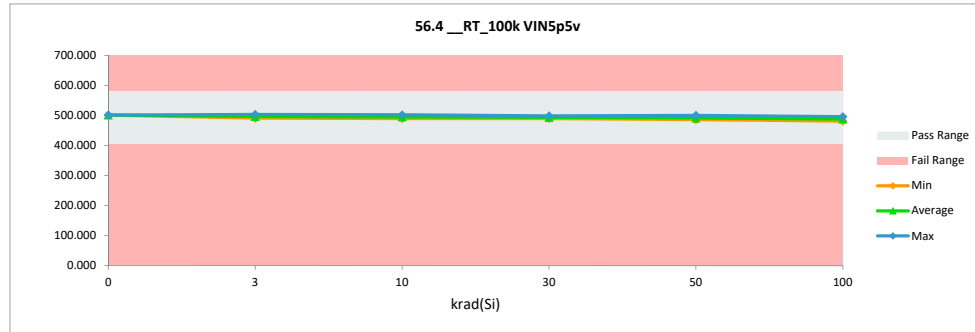
56.4_RT_100k_VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	580	580
Min Limit	405	405

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	494.381	501.471	7.089
3	48	495.989	495.482	-0.508
3	49	501.253	500.229	-1.024
3	51	504.085	503.504	-0.581
3	54	498.503	497.924	-0.579
3	56	494.410	493.757	-0.653
3	57u	497.320	497.183	-0.137
3	58u	493.435	493.299	-0.136
3	59u	491.293	491.037	-0.256
3	61u	495.537	495.586	0.049
3	62u	495.804	495.324	-0.479
10	65	491.898	489.737	-2.160
10	67	495.547	493.175	-2.372
10	68	498.733	496.907	-1.826
10	73	499.242	497.690	-1.552
10	74	491.680	489.982	-1.698
10	75u	502.407	502.183	-0.224
10	76u	494.421	494.494	0.074
10	77u	492.818	491.740	-1.078
10	78u	496.780	496.840	0.060
10	79u	496.343	496.348	0.005
30	81	494.991	489.631	-5.360
30	83	495.888	491.618	-4.269
30	84	497.808	494.750	-3.057
30	86	503.062	498.844	-4.219
30	89	499.848	495.660	-4.188
30	94u	490.903	489.583	-1.320
30	96u	492.258	490.700	-1.558
30	98u	494.869	493.578	-1.291
30	100u	497.332	495.219	-2.113
30	102u	499.499	497.282	-2.217
50	107	494.637	488.230	-6.406
50	108	495.871	488.552	-7.319
50	110	493.580	487.679	-5.901
50	111	497.079	490.159	-6.921
50	113	493.214	486.117	-7.097
50	114u	500.818	497.656	-3.161
50	115u	497.212	493.572	-3.640
50	118u	502.433	500.273	-2.160
50	119u	492.339	489.465	-2.874
50	122u	497.587	493.124	-4.464
100	125	499.111	487.726	-11.385
100	126	502.329	492.598	-9.731
100	127	495.110	486.215	-8.895
100	128	491.889	482.802	-9.087
100	129	491.131	481.930	-9.201
100	130	497.564	487.077	-10.486
100	132	497.373	487.494	-9.879
100	198	501.445	492.343	-9.102
100	199	496.566	485.800	-10.767
100	201	495.465	485.080	-10.384
100	208	491.820	483.174	-8.646
100	209	497.006	490.207	-6.799
100	210	497.802	487.465	-10.338
100	214	502.085	491.955	-10.130



56.4_RT_100k_VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	580	
Min Limit	405	

krad(Si)	0	3	10	30	50	100
LL	405.000	405.000	405.000	405.000	405.000	405.000
Min	501.471	491.037	489.737	489.583	486.118	481.475
Average	501.471	496.333	494.910	493.687	491.483	488.254
Max	501.471	503.504	502.183	498.844	500.273	496.319
UL	580.000	580.000	580.000	580.000	580.000	580.000



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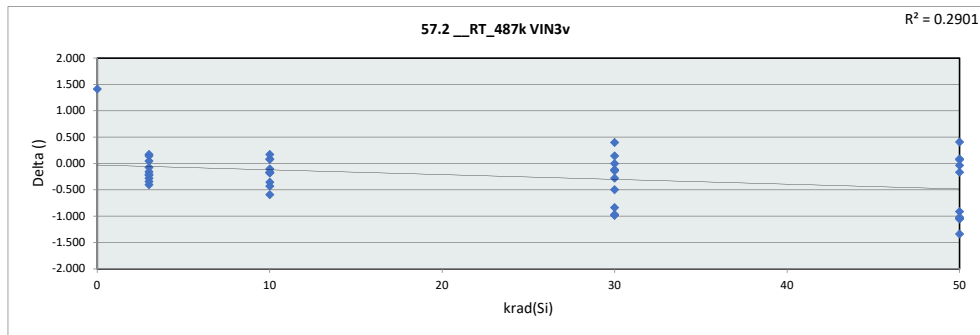
100	217	492.126	481.475	-10.651
100	218	491.993	481.865	-10.128
100	219	496.215	486.538	-9.677
100	220	494.389	485.797	-8.591
100	317	496.052	487.719	-8.333
100	318	499.748	490.000	-9.748
100	322	497.075	486.500	-10.574
100	323	498.234	489.226	-9.008
100	325u	499.361	495.283	-4.077
100	327u	501.206	496.319	-4.887
100	330u	495.024	493.431	-1.593
100	332u	494.180	490.667	-3.512
100	333u	500.055	496.160	-3.895
	Max	504.085	503.504	7.089
	Average	496.551	491.889	-4.662
	Min	490.903	481.475	-11.385
	Std Dev	3.330	5.170	4.075

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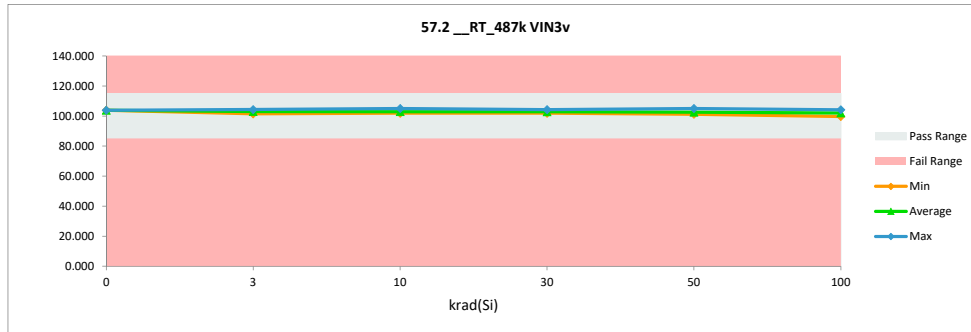
57.2_RT_487k VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	115	115
Min Limit	85	85

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	102.459	103.871	1.412
3	48	103.207	102.982	-0.225
3	49	104.017	103.614	-0.403
3	51	104.636	104.294	-0.342
3	54	103.330	103.254	-0.076
3	56	102.621	102.668	0.046
3	57u	103.149	102.992	-0.157
3	58u	102.272	102.444	0.172
3	59u	101.690	101.407	-0.282
3	61u	103.046	103.189	0.143
3	62u	103.026	102.817	-0.209
10	65	102.246	101.891	-0.355
10	67	102.896	102.304	-0.592
10	68	103.471	103.040	-0.431
10	73	103.465	103.301	-0.164
10	74	102.030	101.857	-0.173
10	75u	104.798	104.967	0.170
10	76u	102.633	102.714	0.081
10	77u	102.431	102.328	-0.102
10	78u	103.525	103.607	0.082
10	79u	102.858	102.677	-0.181
30	81	103.461	102.624	-0.837
30	83	102.905	101.920	-0.985
30	84	102.911	102.773	-0.138
30	86	104.754	104.258	-0.496
30	89	104.231	103.264	-0.968
30	94u	101.437	101.834	0.398
30	96u	102.356	102.499	0.143
30	98u	102.943	102.940	-0.003
30	100u	102.665	102.386	-0.278
30	102u	103.701	103.584	-0.117
50	107	102.346	101.435	-0.912
50	108	102.648	101.601	-1.047
50	110	102.159	101.138	-1.020
50	111	102.866	101.813	-1.053
50	113	102.826	101.489	-1.337
50	114u	104.114	104.078	-0.036
50	115u	103.601	103.672	0.071
50	118u	104.585	104.992	0.408
50	119u	101.909	101.994	0.085
50	122u	103.232	103.065	-0.167
100	125	102.867	101.377	-1.490
100	126	104.645	103.407	-1.238
100	127	102.192	101.033	-1.159
100	128	101.962	100.667	-1.295
100	129	101.557	100.413	-1.144
100	130	103.180	101.830	-1.350
100	132	102.728	101.730	-0.999
100	198	104.269	103.060	-1.209
100	199	103.029	101.590	-1.439
100	201	102.742	101.226	-1.515
100	208	102.208	101.215	-0.993
100	209	102.600	102.397	-0.203
100	210	103.248	101.664	-1.584
100	214	104.405	102.874	-1.531



57.2_RT_487k VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	115	
Min Limit	85	

krad(Si)	0	3	10	30	50	100
LL	85.000	85.000	85.000	85.000	85.000	85.000
Min	103.871	101.407	101.857	101.834	101.138	99.719
Average	103.871	102.966	102.869	102.808	102.528	102.024
Max	103.871	104.294	104.968	104.258	104.992	104.164
UL	115.000	115.000	115.000	115.000	115.000	115.000



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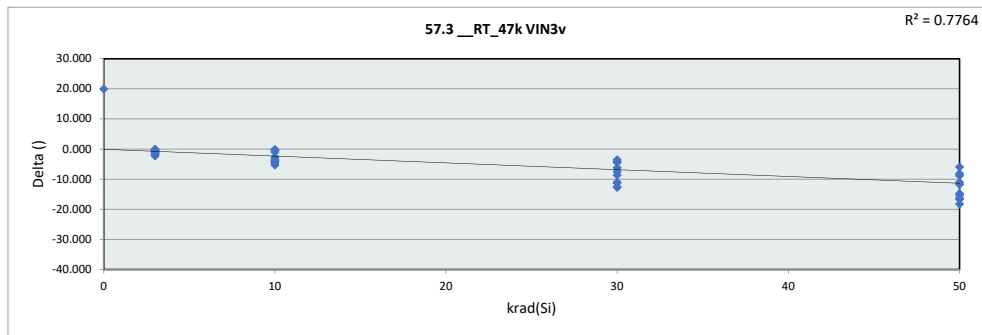
100	217	101.387	99.719	-1.668
100	218	101.976	100.668	-1.308
100	219	102.743	101.635	-1.108
100	220	102.301	101.055	-1.246
100	317	102.848	101.940	-0.908
100	318	104.061	102.572	-1.489
100	322	103.104	101.730	-1.374
100	323	103.544	102.518	-1.026
100	325u	103.600	104.164	0.564
100	327u	103.534	103.594	0.060
100	330u	102.765	103.510	0.745
100	332u	102.735	103.061	0.326
100	333u	103.495	103.998	0.503
	Max	104.798	104.992	1.412
	Average	103.017	102.503	-0.514
	Min	101.387	99.719	-1.668
	Std Dev	0.822	1.099	0.688

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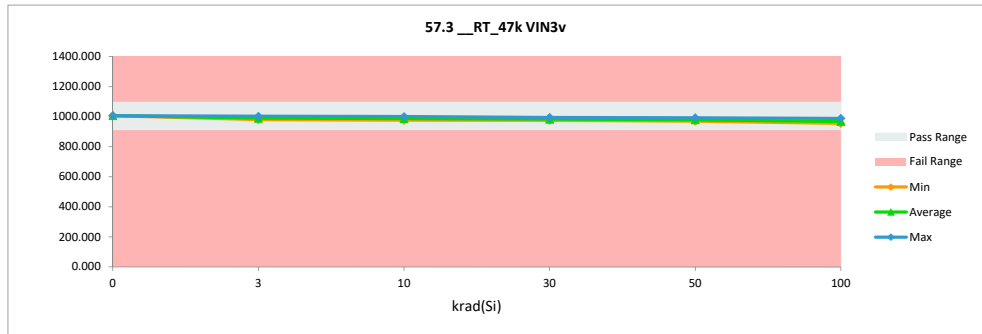
57.3_RT_47k_VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	1095	1095
Min Limit	910	910

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	987.061	1007.003	19.941
3	48	992.298	990.949	-1.349
3	49	998.201	995.918	-2.283
3	51	1004.056	1002.296	-1.760
3	54	991.297	990.345	-0.952
3	56	985.174	983.814	-1.360
3	57u	993.602	993.165	-0.437
3	58u	982.287	982.187	-0.100
3	59u	980.606	980.240	-0.366
3	61u	989.116	989.001	-0.115
3	62u	989.943	989.114	-0.829
10	65	984.227	979.673	-4.554
10	67	991.245	985.966	-5.279
10	68	993.228	989.087	-4.140
10	73	993.780	990.290	-3.490
10	74	979.480	975.778	-3.703
10	75u	1001.092	1000.171	-0.920
10	76u	986.310	986.086	-0.225
10	77u	988.908	986.189	-2.719
10	78u	991.171	990.927	-0.244
10	79u	989.011	988.676	-0.335
30	81	990.914	978.284	-12.629
30	83	988.180	975.483	-12.697
30	84	989.624	980.984	-8.640
30	86	1005.620	994.319	-11.301
30	89	999.262	988.279	-10.983
30	94u	981.385	977.809	-3.576
30	96u	981.775	977.339	-4.436
30	98u	988.311	984.298	-4.013
30	100u	992.842	985.382	-7.460
30	102u	995.668	989.451	-6.216
50	107	985.420	970.123	-15.297
50	108	989.756	971.477	-18.279
50	110	987.417	972.631	-14.786
50	111	994.971	978.655	-16.316
50	113	986.491	969.830	-16.661
50	114u	998.472	989.673	-8.799
50	115u	993.929	982.180	-11.749
50	118u	998.582	992.646	-5.936
50	119u	984.774	976.603	-8.171
50	122u	994.383	983.331	-11.052
100	125	995.440	967.565	-27.875
100	126	1000.085	974.404	-25.682
100	127	988.239	966.109	-22.130
100	128	982.904	959.336	-23.568
100	129	979.976	956.714	-23.262
100	130	994.486	967.741	-26.745
100	132	989.116	964.466	-24.649
100	198	997.853	975.609	-22.244
100	199	989.742	963.151	-26.591
100	201	986.349	961.506	-24.843
100	208	981.241	959.579	-21.662
100	209	993.864	968.916	-24.948
100	210	993.194	967.183	-26.011
100	214	1000.736	974.871	-25.865



57.3_RT_47k_VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1095	
Min Limit	910	

krad(Si)	0	3	10	30	50	100
LL	910.000	910.000	910.000	910.000	910.000	910.000
Min	1007.003	980.240	975.778	975.483	969.830	955.396
Average	1007.003	989.703	987.284	983.163	978.715	968.623
Max	1007.003	1002.296	1000.171	994.319	992.646	988.293
UL	1095.000	1095.000	1095.000	1095.000	1095.000	1095.000



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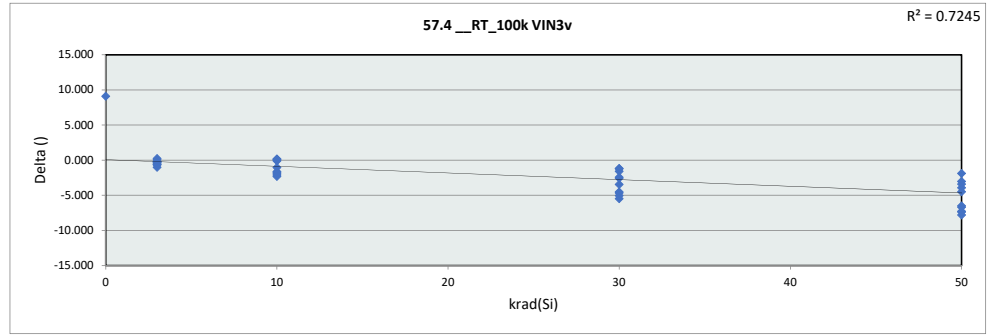
100	217	981.761	955.396	-26.365
100	218	982.888	955.858	-27.029
100	219	991.907	966.938	-24.969
100	220	983.542	960.013	-23.529
100	317	990.470	968.594	-21.876
100	318	996.433	971.930	-24.503
100	322	990.146	963.212	-26.934
100	323	995.235	970.921	-24.315
100	325u	999.668	988.293	-11.375
100	327u	996.914	982.328	-14.586
100	330u	988.556	980.909	-7.646
100	332u	984.512	974.088	-10.424
100	333u	997.806	987.181	-10.625
	Max	1005.620	1007.003	19.941
	Average	990.778	978.654	-12.125
	Min	979.480	955.396	-27.875
	Std Dev	6.219	11.914	10.434

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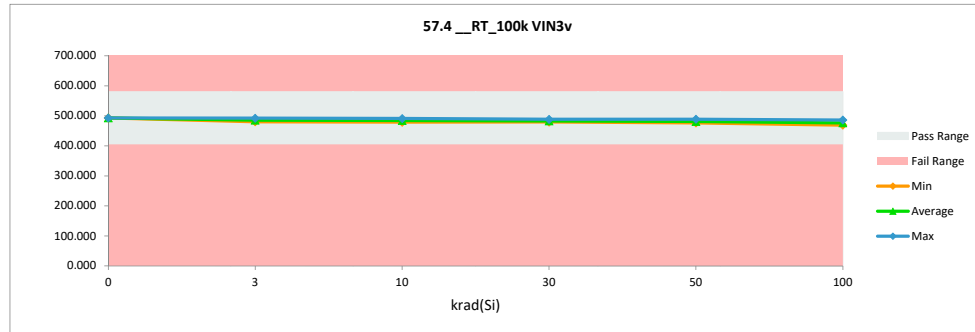
57.4_RT_100k VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	580	580
Min Limit	405	405

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	483.965	493.068	9.103
3	48	485.788	485.246	-0.542
3	49	489.658	488.647	-1.010
3	51	492.659	492.052	-0.607
3	54	486.726	486.334	-0.392
3	56	483.232	482.560	-0.672
3	57u	486.616	486.423	-0.193
3	58u	481.558	481.604	0.046
3	59u	480.366	480.162	-0.204
3	61u	484.262	484.488	0.226
3	62u	485.821	485.539	-0.281
10	65	482.363	480.254	-2.109
10	67	485.727	483.414	-2.313
10	68	487.229	485.291	-1.937
10	73	487.698	486.072	-1.626
10	74	480.474	478.759	-1.715
10	75u	491.079	490.961	-0.118
10	76u	484.228	484.383	0.155
10	77u	484.150	483.109	-1.040
10	78u	486.582	486.729	0.147
10	79u	485.329	485.366	0.037
30	81	486.173	480.694	-5.479
30	83	484.340	479.295	-5.045
30	84	485.412	481.956	-3.456
30	86	492.816	488.284	-4.532
30	89	490.036	485.368	-4.668
30	94u	480.693	479.515	-1.178
30	96u	481.562	479.976	-1.586
30	98u	484.603	483.389	-1.213
30	100u	486.534	483.959	-2.575
30	102u	488.431	485.994	-2.438
50	107	483.106	476.428	-6.678
50	108	484.683	476.881	-7.801
50	110	483.583	477.082	-6.501
50	111	487.503	480.232	-7.271
50	113	483.735	476.361	-7.374
50	114u	489.789	486.384	-3.405
50	115u	487.333	483.406	-3.927
50	118u	490.587	488.696	-1.891
50	119u	482.174	479.144	-3.030
50	122u	487.404	482.902	-4.502
100	125	487.558	475.544	-12.014
100	126	490.537	479.862	-10.675
100	127	483.338	474.033	-9.305
100	128	481.556	471.326	-10.230
100	129	480.054	470.029	-10.026
100	130	487.787	476.126	-11.661
100	132	485.260	474.664	-10.596
100	198	490.245	480.575	-9.671
100	199	485.337	473.854	-11.483
100	201	484.040	473.072	-10.969
100	208	481.484	472.601	-8.883
100	209	486.699	477.119	-9.580
100	210	486.648	475.390	-11.258
100	214	490.648	479.949	-10.699



57.4_RT_100k VIN3v	
Test Site	DAL-FL
Tester	ETS36409
Test Number	EB386805
Max Limit	580
Min Limit	405

krad(Si)	0	3	10	30	50	100
LL	405.000	405.000	405.000	405.000	405.000	405.000
Min	493.068	480.162	478.759	479.295	476.361	468.896
Average	493.068	485.306	484.434	482.843	480.752	476.435
Max	493.068	492.052	490.961	488.284	488.696	485.895
UL	580.000	580.000	580.000	580.000	580.000	580.000



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5962R2021001VSC (TPS7H4002-SP)

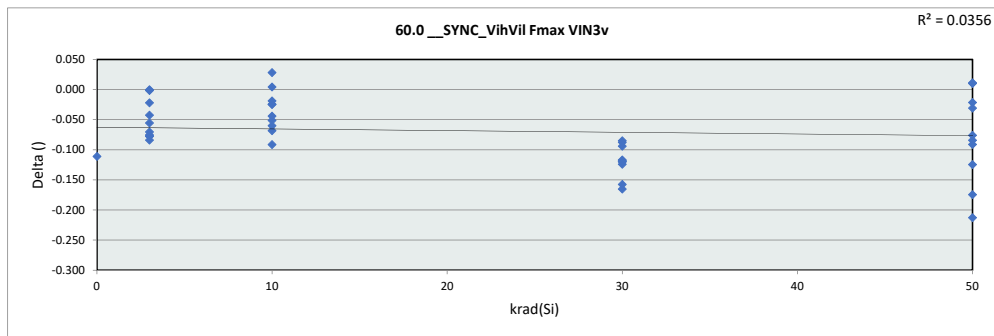
100	217	480.330	468.896	-11.434
100	218	481.344	470.021	-11.322
100	219	485.525	475.177	-10.348
100	220	482.009	472.122	-9.887
100	317	485.580	476.537	-9.043
100	318	488.820	478.046	-10.775
100	322	485.406	473.808	-11.598
100	323	487.331	477.384	-9.947
100	325u	489.397	485.895	-3.502
100	327u	489.477	483.892	-5.586
100	330u	484.386	482.546	-1.841
100	332u	483.073	479.693	-3.379
100	333u	489.476	485.597	-3.879
	Max	492.816	493.068	9.103
	Average	485.726	480.738	-4.988
	Min	480.054	468.896	-12.014
	Std Dev	3.189	5.561	4.540

LDR Report

5962R2021001VSC (TPS7H4002-SP)

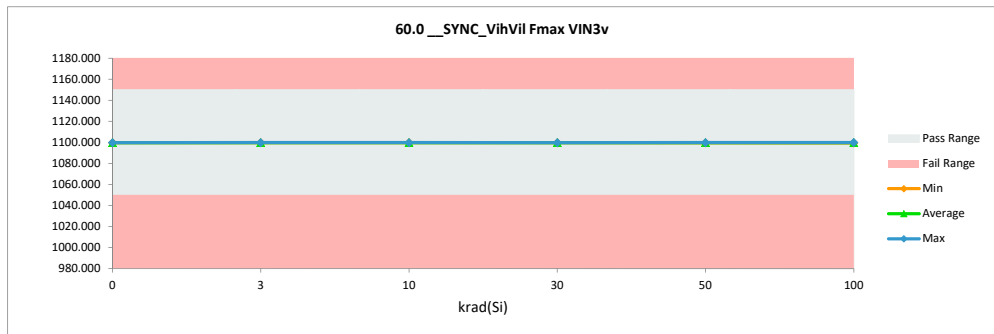
60.0 __SYNC_VihVil Fmax VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	1150	1150
Min Limit	1050	1050

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	1099.823	1099.712	-0.111
3	48	1099.759	1099.757	-0.002
3	49	1099.792	1099.750	-0.043
3	51	1099.817	1099.741	-0.075
3	54	1099.795	1099.740	-0.056
3	56	1099.804	1099.726	-0.078
3	57u	1099.745	1099.745	0.000
3	58u	1099.768	1099.746	-0.022
3	59u	1099.828	1099.744	-0.084
3	61u	1099.799	1099.722	-0.077
3	62u	1099.771	1099.701	-0.070
10	65	1099.767	1099.795	0.028
10	67	1099.772	1099.753	-0.019
10	68	1099.770	1099.774	0.004
10	73	1099.795	1099.735	-0.060
10	74	1099.796	1099.772	-0.025
10	75u	1099.811	1099.719	-0.092
10	76u	1099.777	1099.726	-0.051
10	77u	1099.814	1099.770	-0.044
10	78u	1099.811	1099.743	-0.068
10	79u	1099.808	1099.783	-0.024
30	81	1099.807	1099.690	-0.117
30	83	1099.781	1099.693	-0.088
30	84	1099.811	1099.687	-0.124
30	86	1099.844	1099.686	-0.157
30	89	1099.797	1099.677	-0.120
30	94u	1099.776	1099.611	-0.165
30	96u	1099.797	1099.712	-0.085
30	98u	1099.790	1099.672	-0.118
30	100u	1099.787	1099.693	-0.094
30	102u	1099.806	1099.686	-0.120
50	107	1099.808	1099.683	-0.125
50	108	1099.751	1099.730	-0.021
50	110	1099.786	1099.796	0.010
50	111	1099.817	1099.741	-0.076
50	113	1099.790	1099.705	-0.084
50	114u	1099.785	1099.796	0.011
50	115u	1099.807	1099.776	-0.031
50	118u	1099.775	1099.562	-0.213
50	119u	1099.798	1099.623	-0.175
50	122u	1099.787	1099.696	-0.091
100	125	1099.804	1099.714	-0.089
100	126	1099.815	1099.782	-0.033
100	127	1099.757	1099.758	0.000
100	128	1099.814	1099.715	-0.100
100	129	1099.800	1099.707	-0.093
100	130	1099.789	1099.787	-0.001
100	132	1099.783	1099.689	-0.094
100	198	1099.807	1099.692	-0.115
100	199	1099.817	1099.825	0.009
100	201	1099.772	1099.789	0.017
100	208	1099.771	1099.567	-0.204
100	209	1099.786	1099.684	-0.102
100	210	1099.797	1099.690	-0.107
100	214	1099.807	1099.769	-0.038



60.0 __SYNC_VihVil Fmax VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1150	
Min Limit	1050	

krad(Si)	0	3	10	30	50	100
LL	1050.000	1050.000	1050.000	1050.000	1050.000	1050.000
Min	1099.712	1099.701	1099.719	1099.611	1099.562	1099.499
Average	1099.712	1099.737	1099.757	1099.681	1099.711	1099.711
Max	1099.712	1099.757	1099.795	1099.712	1099.796	1099.825
UL	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000



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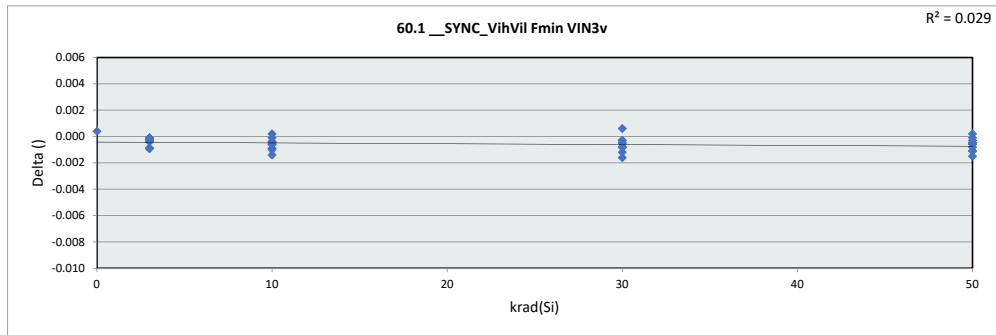
100	217	1099.768	1099.655	-0.114
100	218	1099.828	1099.752	-0.075
100	219	1099.777	1099.761	-0.016
100	220	1099.844	1099.760	-0.085
100	317	1099.775	1099.586	-0.189
100	318	1099.814	1099.721	-0.093
100	322	1099.793	1099.806	0.013
100	323	1099.789	1099.670	-0.119
100	325u	1099.764	1099.499	-0.265
100	327u	1099.787	1099.643	-0.144
100	330u	1099.812	1099.745	-0.067
100	332u	1099.835	1099.760	-0.076
100	333u	1099.824	1099.677	-0.147
	Max	1099.844	1099.825	0.028
	Average	1099.795	1099.717	-0.078
	Min	1099.745	1099.499	-0.265
	Std Dev	0.022	0.061	0.061

LDR Report

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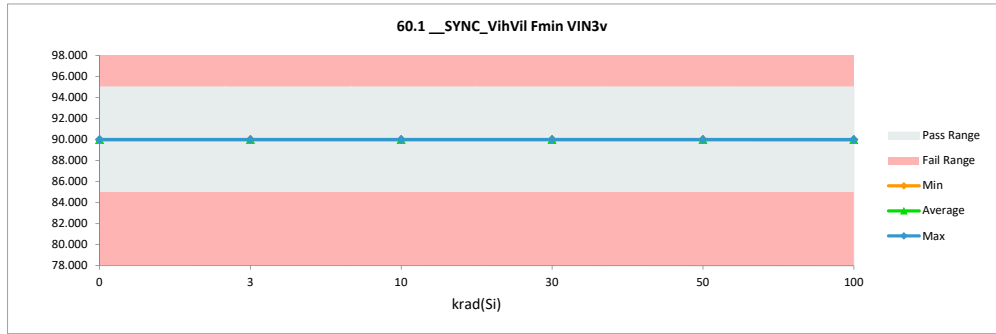
60.1 __SYNC_VihVil Fmin VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	95	95
Min Limit	85	85

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	89.998	89.999	0.000
3	48	89.999	89.998	-0.001
3	49	89.999	89.998	0.000
3	51	89.998	89.998	0.000
3	54	89.999	89.998	0.000
3	56	89.998	89.998	0.000
3	57u	89.998	89.998	0.000
3	58u	89.999	89.998	-0.001
3	59u	89.999	89.998	0.000
3	61u	89.999	89.998	-0.001
3	62u	89.999	89.998	-0.001
10	65	89.999	89.998	-0.001
10	67	89.999	89.999	-0.001
10	68	89.999	89.998	0.000
10	73	89.999	89.999	0.000
10	74	89.999	89.998	-0.001
10	75u	89.999	89.998	-0.001
10	76u	89.998	89.998	0.000
10	77u	89.999	89.998	-0.001
10	78u	89.999	89.998	-0.001
10	79u	89.998	89.998	0.000
30	81	89.999	89.998	-0.001
30	83	89.999	89.998	0.000
30	84	89.999	89.998	0.000
30	86	89.999	89.998	0.000
30	89	89.999	89.997	-0.002
30	94u	89.998	89.999	0.001
30	96u	89.999	89.998	-0.001
30	98u	89.998	89.998	0.000
30	100u	89.999	89.998	-0.001
30	102u	89.999	89.998	-0.001
50	107	89.999	89.998	-0.001
50	108	89.999	89.998	0.000
50	110	89.999	89.998	-0.001
50	111	89.998	89.998	0.000
50	113	89.999	89.998	-0.001
50	114u	89.999	89.998	-0.001
50	115u	89.999	89.999	0.000
50	118u	89.998	89.999	0.000
50	119u	89.999	89.998	0.000
50	122u	89.999	89.998	-0.001
100	125	89.999	89.999	0.000
100	126	89.999	89.998	-0.001
100	127	89.998	89.997	-0.001
100	128	89.999	89.998	-0.001
100	129	89.999	89.998	-0.001
100	130	89.998	89.998	-0.001
100	132	89.999	89.998	0.000
100	198	89.999	89.999	0.000
100	199	89.999	89.998	-0.001
100	201	89.999	89.998	-0.001
100	208	89.999	89.998	-0.001
100	209	89.999	89.998	-0.001
100	210	89.999	89.998	-0.001
100	214	89.999	89.998	0.000



60.1 __SYNC_VihVil Fmin VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	95	
Min Limit	85	

krad(Si)	0	3	10	30	50	100
LL	85.000	85.000	85.000	85.000	85.000	85.000
Min	89.999	89.998	89.998	89.997	89.998	89.989
Average	89.999	89.998	89.998	89.998	89.998	89.998
Max	89.999	89.999	89.999	89.999	89.999	90.004
UL	95.000	95.000	95.000	95.000	95.000	95.000



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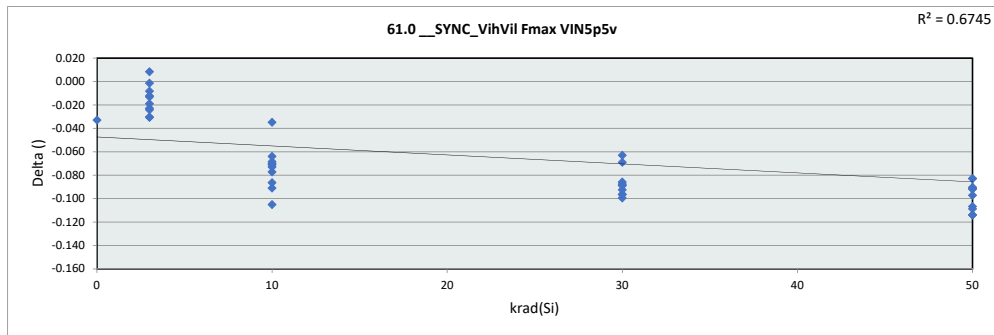
100	217	89.998	89.998	-0.001
100	218	89.999	89.998	-0.001
100	219	89.999	89.998	-0.001
100	220	89.998	89.998	-0.001
100	317	89.999	89.998	-0.001
100	318	89.999	89.998	-0.001
100	322	89.999	89.998	-0.001
100	323	89.998	89.998	-0.001
100	325u	89.998	89.989	-0.009
100	327u	89.999	90.004	0.005
100	330u	89.999	89.992	-0.007
100	332u	90.000	89.998	-0.002
100	333u	89.999	89.998	0.000
	Max	90.000	90.004	0.005
	Average	89.999	89.998	-0.001
	Min	89.998	89.989	-0.009
	Std Dev	0.000	0.002	0.002

LDR Report

5962R2021001VSC (TPS7H4002-SP)

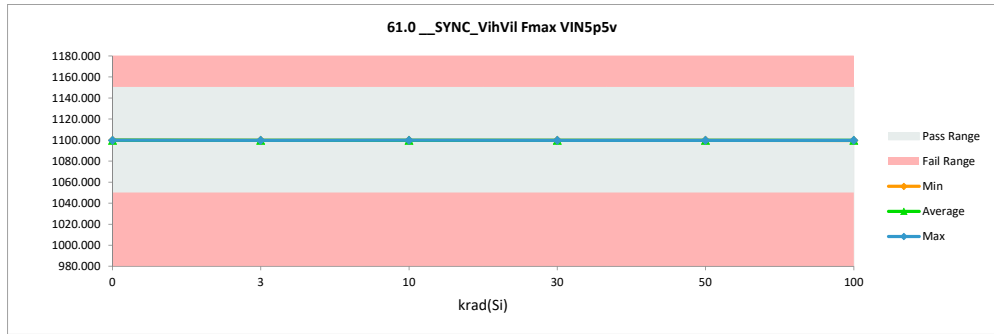
61.0 __SYNC_VihVil Fmax VIN5p		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	1150	1150
Min Limit	1050	1050

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	1099.798	1099.765	-0.033
3	48	1099.810	1099.798	-0.012
3	49	1099.806	1099.783	-0.023
3	51	1099.811	1099.786	-0.024
3	54	1099.810	1099.779	-0.030
3	56	1099.807	1099.776	-0.031
3	57u	1099.796	1099.782	-0.013
3	58u	1099.807	1099.798	-0.008
3	59u	1099.796	1099.804	0.008
3	61u	1099.816	1099.797	-0.019
3	62u	1099.818	1099.816	-0.001
10	65	1099.812	1099.740	-0.071
10	67	1099.786	1099.751	-0.035
10	68	1099.815	1099.742	-0.073
10	73	1099.793	1099.729	-0.064
10	74	1099.829	1099.724	-0.105
10	75u	1099.811	1099.734	-0.077
10	76u	1099.807	1099.721	-0.086
10	77u	1099.799	1099.729	-0.070
10	78u	1099.811	1099.742	-0.068
10	79u	1099.814	1099.723	-0.091
30	81	1099.806	1099.717	-0.089
30	83	1099.808	1099.712	-0.096
30	84	1099.804	1099.735	-0.069
30	86	1099.806	1099.717	-0.089
30	89	1099.806	1099.706	-0.099
30	94u	1099.797	1099.709	-0.088
30	96u	1099.805	1099.713	-0.093
30	98u	1099.814	1099.718	-0.096
30	100u	1099.805	1099.719	-0.086
30	102u	1099.797	1099.734	-0.063
50	107	1099.811	1099.719	-0.092
50	108	1099.822	1099.708	-0.114
50	110	1099.798	1099.715	-0.083
50	111	1099.799	1099.716	-0.083
50	113	1099.795	1099.704	-0.091
50	114u	1099.814	1099.707	-0.107
50	115u	1099.820	1099.706	-0.114
50	118u	1099.821	1099.723	-0.097
50	119u	1099.792	1099.702	-0.090
50	122u	1099.813	1099.704	-0.109
100	125	1099.798	1099.694	-0.103
100	126	1099.812	1099.694	-0.119
100	127	1099.822	1099.694	-0.128
100	128	1099.808	1099.671	-0.137
100	129	1099.796	1099.662	-0.134
100	130	1099.795	1099.681	-0.114
100	132	1099.803	1099.677	-0.126
100	198	1099.821	1099.700	-0.122
100	199	1099.789	1099.681	-0.108
100	201	1099.805	1099.675	-0.129
100	208	1099.801	1099.703	-0.098
100	209	1099.825	1099.693	-0.132
100	210	1099.820	1099.687	-0.134
100	214	1099.797	1099.682	-0.115



61.0 __SYNC_VihVil Fmax VIN		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1150	
Min Limit	1050	

krad(Si)	0	3	10	30	50	100
LL	1050.000	1050.000	1050.000	1050.000	1050.000	1050.000
Min	1099.765	1099.776	1099.721	1099.706	1099.702	1099.662
Average	1099.765	1099.792	1099.734	1099.718	1099.711	1099.687
Max	1099.765	1099.816	1099.751	1099.735	1099.723	1099.706
UL	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000



LDR Report

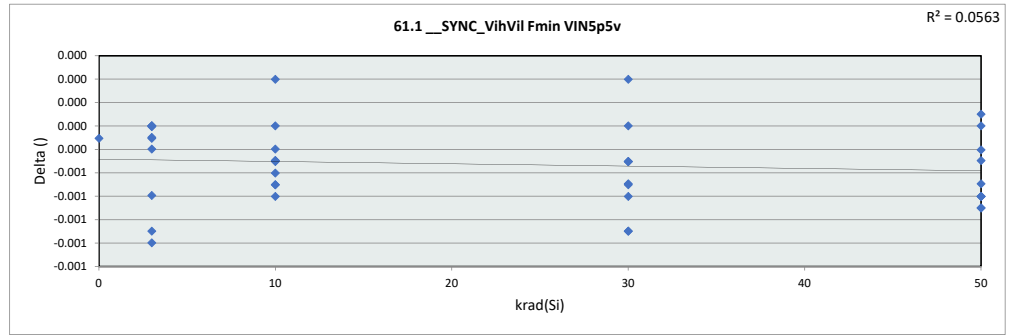
5962R2021001VSC (TPS7H4002-SP)

100	217	1099.806	1099.683	-0.123
100	218	1099.798	1099.679	-0.119
100	219	1099.800	1099.683	-0.117
100	220	1099.805	1099.688	-0.117
100	317	1099.803	1099.693	-0.110
100	318	1099.799	1099.699	-0.100
100	322	1099.808	1099.703	-0.104
100	323	1099.807	1099.685	-0.122
100	325u	1099.825	1099.687	-0.139
100	327u	1099.809	1099.677	-0.132
100	330u	1099.808	1099.706	-0.103
100	332u	1099.831	1099.691	-0.141
100	333u	1099.801	1099.695	-0.107
	Max	1099.831	1099.816	0.008
	Average	1099.807	1099.719	-0.088
	Min	1099.786	1099.662	-0.141
	Std Dev	0.010	0.037	0.038

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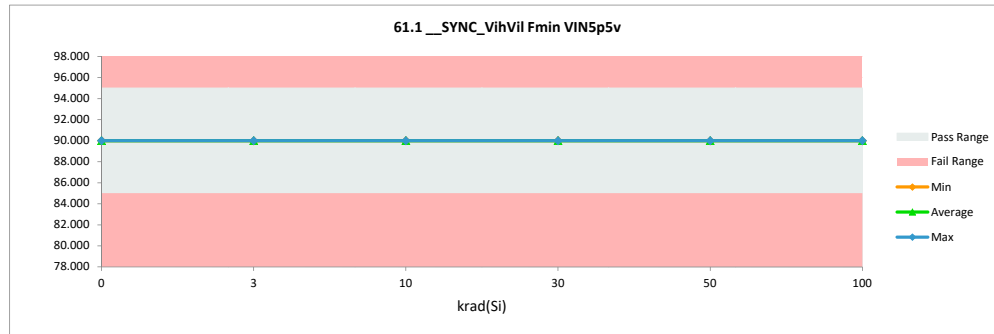
61.1 __SYNC_VihVil Fmin VIN5p		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit		
Max Limit	95	95
Min Limit	85	85

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	89.999	89.998	0.000
3	48	89.998	89.998	0.000
3	49	89.998	89.998	0.000
3	51	89.998	89.998	0.000
3	54	89.998	89.998	0.000
3	56	89.998	89.998	0.000
3	57u	89.999	89.998	-0.001
3	58u	89.998	89.998	-0.001
3	59u	89.998	89.998	0.000
3	61u	89.999	89.998	-0.001
3	62u	89.999	89.998	0.000
10	65	89.998	89.998	0.000
10	67	89.999	89.998	0.000
10	68	89.999	89.998	-0.001
10	73	89.999	89.998	-0.001
10	74	89.999	89.998	-0.001
10	75u	89.999	89.998	-0.001
10	76u	89.998	89.998	0.000
10	77u	89.998	89.998	0.000
10	78u	89.999	89.998	-0.001
10	79u	89.998	89.998	0.000
30	81	89.999	89.998	-0.001
30	83	89.999	89.998	-0.001
30	84	89.999	89.998	-0.001
30	86	89.999	89.998	-0.001
30	89	89.998	89.998	0.000
30	94u	89.999	89.998	-0.001
30	96u	89.999	89.998	-0.001
30	98u	89.998	89.998	0.000
30	100u	89.999	89.998	-0.001
30	102u	89.999	89.998	-0.001
50	107	89.999	89.998	-0.001
50	108	89.999	89.998	0.000
50	110	89.999	89.998	-0.001
50	111	89.999	89.998	-0.001
50	113	89.999	89.998	-0.001
50	114u	89.998	89.998	-0.001
50	115u	89.998	89.998	0.000
50	118u	89.999	89.998	-0.001
50	119u	89.998	89.998	0.000
50	122u	89.998	89.998	0.000
100	125	89.999	89.998	-0.001
100	126	89.999	89.998	-0.001
100	127	89.999	89.998	-0.001
100	128	89.998	89.998	0.000
100	129	89.999	89.998	0.000
100	130	89.999	89.998	-0.001
100	132	89.998	89.998	0.000
100	198	89.999	89.998	-0.001
100	199	89.999	89.998	-0.001
100	201	89.998	89.998	0.000
100	208	89.998	89.998	0.000
100	209	89.998	89.998	-0.001
100	210	89.999	89.998	-0.001
100	214	89.998	89.998	0.000



61.1 __SYNC_VihVil Fmin VIN5		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	95	
Min Limit	85	

krad(Si)	0	3	10	30	50	100
LL	85.000	85.000	85.000	85.000	85.000	85.000
Min	89.999	89.998	89.998	89.998	89.998	89.997
Average	89.999	89.998	89.998	89.998	89.998	89.998
Max	89.999	89.999	89.998	89.999	89.998	89.998
UL	95.000	95.000	95.000	95.000	95.000	95.000



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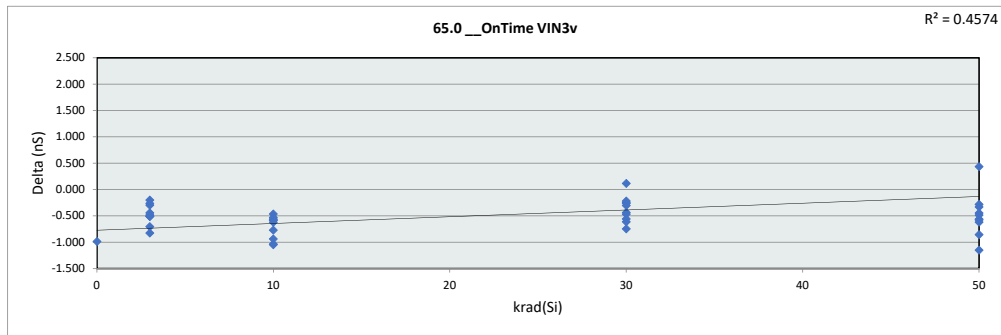
100	217	89.998	89.998	0.000
100	218	89.999	89.998	-0.001
100	219	89.999	89.998	-0.001
100	220	89.999	89.998	0.000
100	317	89.999	89.998	-0.001
100	318	89.999	89.997	-0.001
100	322	89.999	89.998	0.000
100	323	89.999	89.998	0.000
100	325u	89.999	89.998	-0.001
100	327u	89.999	89.998	-0.001
100	330u	89.998	89.998	-0.001
100	332u	89.999	89.998	-0.001
100	333u	89.998	89.998	0.000
	Max	89.999	89.998	0.000
	Average	89.999	89.998	-0.001
	Min	89.998	89.997	-0.001
	Std Dev	0.000	0.000	0.000

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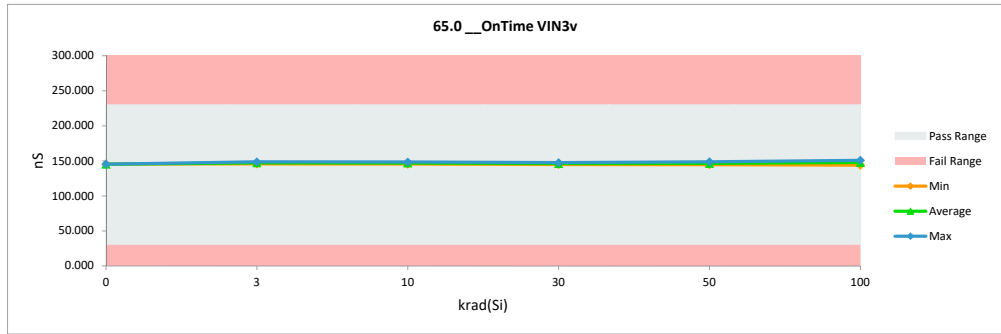
65.0 __OnTime VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	nS	nS
Max Limit	230	230
Min Limit	30	30

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	146.303	145.315	-0.988
3	48	146.262	146.063	-0.199
3	49	148.227	147.719	-0.509
3	51	146.716	146.274	-0.442
3	54	147.114	146.604	-0.510
3	56	147.085	146.787	-0.297
3	57u	148.173	147.911	-0.263
3	58u	148.448	147.967	-0.482
3	59u	149.204	148.501	-0.703
3	61u	147.648	147.136	-0.512
3	62u	146.515	145.691	-0.825
10	65	147.631	147.166	-0.465
10	67	146.430	145.868	-0.563
10	68	146.100	145.519	-0.581
10	73	148.843	148.261	-0.582
10	74	147.558	147.027	-0.532
10	75u	147.145	146.373	-0.772
10	76u	148.896	148.275	-0.621
10	77u	148.006	146.971	-1.035
10	78u	148.369	147.430	-0.939
10	79u	146.368	145.321	-1.047
30	81	145.863	145.249	-0.614
30	83	147.229	147.345	0.116
30	84	147.265	147.010	-0.255
30	86	145.713	145.453	-0.260
30	89	145.055	144.752	-0.304
30	94u	146.621	146.063	-0.559
30	96u	146.568	146.350	-0.218
30	98u	147.065	146.626	-0.439
30	100u	146.343	145.877	-0.466
30	102u	146.576	145.829	-0.746
50	107	147.106	146.824	-0.282
50	108	146.706	146.145	-0.561
50	110	146.238	145.618	-0.620
50	111	146.758	145.902	-0.855
50	113	146.653	146.166	-0.487
50	114u	147.563	147.234	-0.330
50	115u	148.204	148.639	0.435
50	118u	147.957	146.806	-1.151
50	119u	146.362	145.785	-0.577
50	122u	144.972	144.526	-0.446
100	125	146.650	147.249	0.599
100	126	147.406	149.007	1.601
100	127	148.507	149.226	0.719
100	128	147.561	148.446	0.885
100	129	146.906	147.957	1.051
100	130	146.570	147.366	0.796
100	132	148.283	149.652	1.369
100	198	147.559	147.893	0.334
100	199	147.634	148.400	0.766
100	201	148.349	148.093	-0.256
100	208	150.316	150.779	0.463
100	209	145.943	148.139	2.196
100	210	147.743	148.941	1.198
100	214	147.790	148.303	0.514



65.0 __OnTime VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	nS	
Min Limit	30 nS	

krad(Si)	0	3	10	30	50	100
LL	30.000	30.000	30.000	30.000	30.000	30.000
Min	145.315	145.691	145.321	144.752	144.526	143.815
Average	145.315	147.065	146.821	146.055	146.364	147.692
Max	145.315	148.501	148.275	147.345	148.639	150.779
UL	230.000	230.000	230.000	230.000	230.000	230.000



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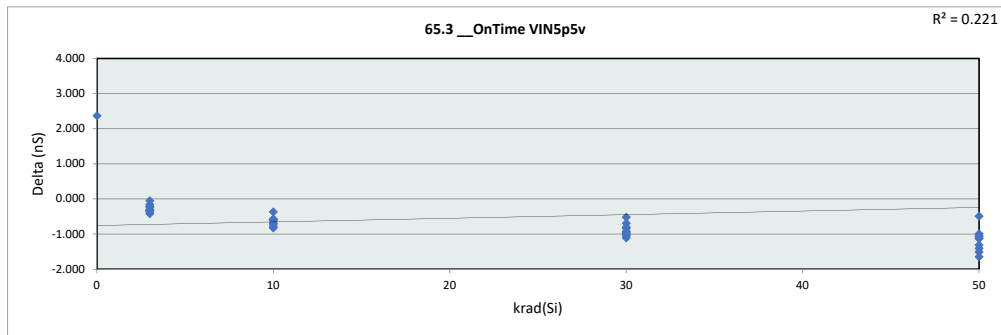
100	217	146.472	146.229	-0.243
100	218	147.691	149.992	2.301
100	219	147.306	148.075	0.769
100	220	147.641	148.545	0.904
100	317	146.048	146.245	0.197
100	318	146.491	146.596	0.105
100	322	148.040	148.978	0.938
100	323	148.035	148.875	0.840
100	325u	146.157	146.007	-0.150
100	327u	144.552	143.820	-0.732
100	330u	145.254	145.111	-0.143
100	332u	146.588	145.939	-0.649
100	333u	144.725	143.815	-0.910
	Max	150.316	150.779	2.301
	Average	147.089	147.001	-0.089
	Min	144.552	143.815	-1.151
	Std Dev	1.088	1.455	0.772

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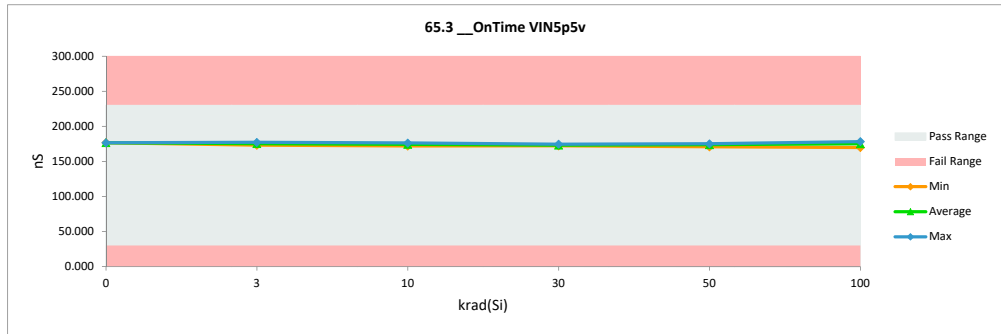
65.3 OnTime VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	nS	nS
Max Limit	230	230
Min Limit	30	30

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	174.193	176.559	2.367
3	48	175.612	175.561	-0.051
3	49	176.583	176.223	-0.360
3	51	175.384	175.171	-0.213
3	54	174.341	174.030	-0.311
3	56	174.390	174.229	-0.161
3	57u	175.549	175.317	-0.232
3	58u	175.753	175.333	-0.420
3	59u	177.439	177.114	-0.325
3	61u	176.762	176.457	-0.305
3	62u	173.347	173.003	-0.344
10	65	175.895	175.318	-0.577
10	67	173.378	172.802	-0.576
10	68	172.500	171.917	-0.583
10	73	176.421	175.818	-0.603
10	74	175.639	175.272	-0.367
10	75u	174.143	173.460	-0.682
10	76u	176.841	176.248	-0.593
10	77u	175.154	174.328	-0.826
10	78u	175.706	174.928	-0.779
10	79u	173.609	172.894	-0.715
30	81	173.120	172.124	-0.996
30	83	174.511	173.990	-0.521
30	84	174.274	173.436	-0.838
30	86	175.491	174.546	-0.945
30	89	173.448	172.647	-0.801
30	94u	173.659	172.550	-1.109
30	96u	174.201	173.509	-0.692
30	98u	174.790	173.866	-0.924
30	100u	173.142	172.094	-1.048
30	102u	174.899	173.900	-0.999
50	107	175.701	174.633	-1.068
50	108	173.699	172.385	-1.314
50	110	176.100	174.591	-1.509
50	111	174.923	173.515	-1.408
50	113	174.800	173.742	-1.058
50	114u	176.242	175.117	-1.125
50	115u	175.574	175.083	-0.491
50	118u	175.481	173.838	-1.643
50	119u	174.642	173.523	-1.119
50	122u	171.810	170.818	-0.992
100	125	174.670	174.383	-0.287
100	126	174.882	175.764	0.882
100	127	176.770	176.429	-0.341
100	128	174.348	174.890	0.542
100	129	175.874	176.332	0.459
100	130	173.684	173.938	0.254
100	132	177.989	177.969	-0.019
100	198	174.379	174.591	0.212
100	199	175.263	175.927	0.665
100	201	176.406	175.677	-0.729
100	208	177.681	178.182	0.501
100	209	172.491	175.470	2.979
100	210	176.318	176.930	0.612
100	214	174.590	175.504	0.914



65.3 OnTime VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	230	nS
Min Limit	30	nS

krad(Si)	0	3	10	30	50	100
LL	30.000	30.000	30.000	30.000	30.000	30.000
Min	176.559	173.004	171.917	172.094	170.818	169.890
Average	176.559	175.244	174.299	173.266	173.724	175.165
Max	176.559	177.114	176.248	174.546	175.117	178.182
UL	230.000	230.000	230.000	230.000	230.000	230.000



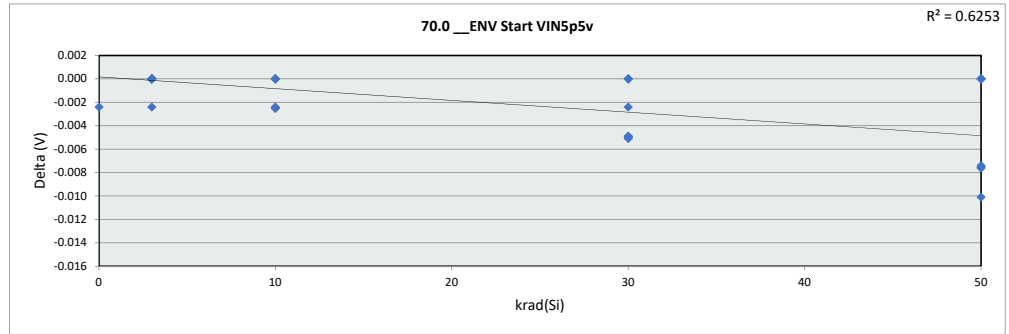
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100	217	173.469	173.255	-0.214
100	218	175.442	177.439	1.998
100	219	174.001	175.190	1.189
100	220	175.003	175.790	0.788
100	317	174.898	175.170	0.272
100	318	173.790	174.169	0.379
100	322	175.236	175.580	0.345
100	323	176.591	177.087	0.497
100	325u	172.946	173.281	0.335
100	327u	170.737	169.890	-0.847
100	330u	172.806	173.286	0.480
100	332u	173.160	174.626	1.466
100	333u	172.870	172.705	-0.165
	Max	177.989	178.182	2.979
	Average	174.786	174.579	-0.207
	Min	170.737	169.890	-1.643
	Std Dev	1.431	1.640	0.892

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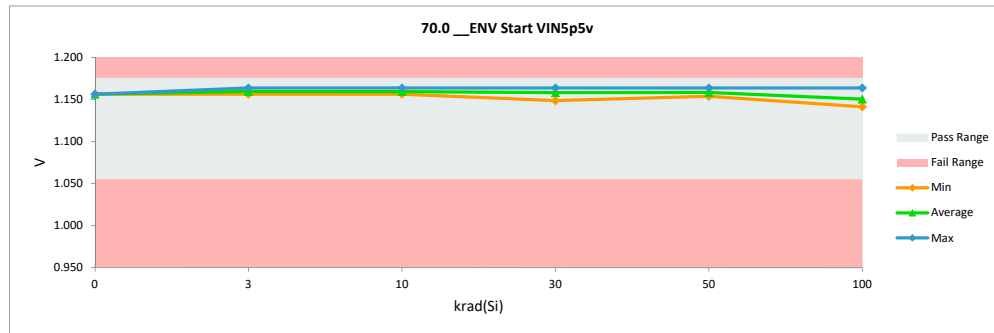
70.0 __ENV Start VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	1.175	1.175
Min Limit	1.055	1.055

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	1.159	1.156	-0.002
3	48	1.159	1.159	0.000
3	49	1.156	1.156	0.000
3	51	1.159	1.156	-0.002
3	54	1.164	1.164	0.000
3	56	1.161	1.161	0.000
3	57u	1.159	1.159	0.000
3	58u	1.161	1.161	0.000
3	59u	1.159	1.159	0.000
3	61u	1.164	1.164	0.000
3	62u	1.156	1.156	0.000
10	65	1.161	1.161	0.000
10	67	1.164	1.161	-0.003
10	68	1.161	1.159	-0.002
10	73	1.159	1.156	-0.002
10	74	1.164	1.161	-0.003
10	75u	1.159	1.159	0.000
10	76u	1.156	1.156	0.000
10	77u	1.159	1.159	0.000
10	78u	1.164	1.164	0.000
10	79u	1.156	1.156	0.000
30	81	1.161	1.156	-0.005
30	83	1.154	1.149	-0.005
30	84	1.166	1.161	-0.005
30	86	1.161	1.156	-0.005
30	89	1.161	1.156	-0.005
30	94u	1.159	1.159	0.000
30	96u	1.159	1.159	0.000
30	98u	1.159	1.156	-0.002
30	100u	1.164	1.164	0.000
30	102u	1.164	1.164	0.000
50	107	1.164	1.156	-0.007
50	108	1.164	1.154	-0.010
50	110	1.161	1.154	-0.008
50	111	1.166	1.159	-0.008
50	113	1.161	1.154	-0.008
50	114u	1.164	1.164	0.000
50	115u	1.164	1.164	0.000
50	118u	1.156	1.156	0.000
50	119u	1.159	1.159	0.000
50	122u	1.164	1.164	0.000
100	125	1.164	1.151	-0.013
100	126	1.156	1.146	-0.010
100	127	1.159	1.146	-0.013
100	128	1.159	1.149	-0.010
100	129	1.156	1.146	-0.010
100	130	1.161	1.149	-0.013
100	132	1.164	1.156	-0.007
100	198	1.159	1.149	-0.010
100	199	1.161	1.151	-0.010
100	201	1.161	1.149	-0.013
100	208	1.154	1.141	-0.013
100	209	1.161	1.151	-0.010
100	210	1.166	1.154	-0.013
100	214	1.161	1.146	-0.015



70.0 __ENV Start VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1.175	V
Min Limit	1.055	V

krad(Si)	0	3	10	30	50	100
LL	1.055	1.055	1.055	1.055	1.055	1.055
Min	1.156	1.156	1.156	1.149	1.154	1.141
Average	1.156	1.160	1.159	1.158	1.158	1.150
Max	1.156	1.164	1.164	1.164	1.164	1.164
UL	1.175	1.175	1.175	1.175	1.175	1.175



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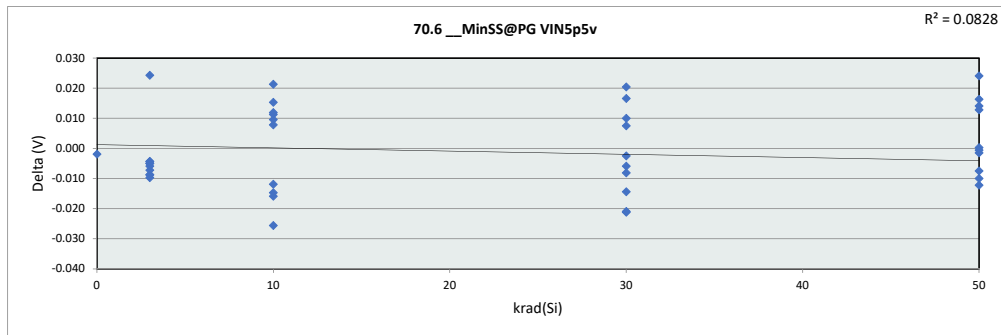
100	217	1.156	1.144	-0.013
100	218	1.161	1.149	-0.013
100	219	1.164	1.151	-0.013
100	220	1.159	1.146	-0.013
100	317	1.161	1.151	-0.010
100	318	1.164	1.151	-0.013
100	322	1.159	1.146	-0.013
100	323	1.156	1.144	-0.013
100	325u	1.164	1.159	-0.005
100	327u	1.154	1.151	-0.003
100	330u	1.166	1.164	-0.003
100	332u	1.161	1.159	-0.002
100	333u	1.161	1.161	0.000
	Max	1.166	1.164	0.000
	Average	1.161	1.155	-0.005
	Min	1.154	1.141	-0.015
	Std Dev	0.003	0.006	0.005

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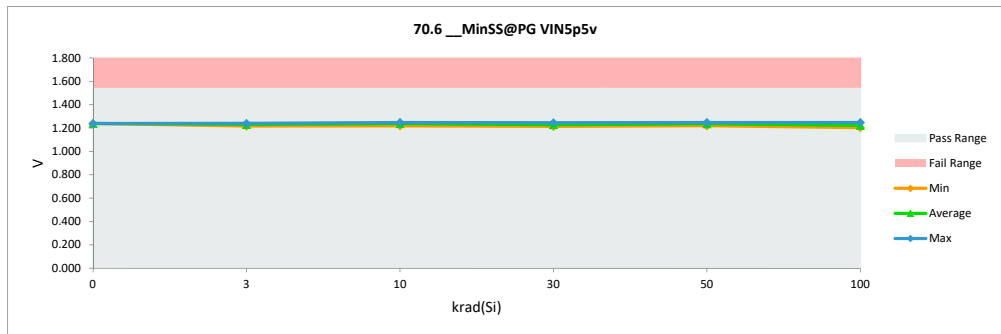
70.6_MinSS@PG VIN5p5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	1.54	1.54
Min Limit	0	0

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	1.240	1.239	-0.002
3	48	1.215	1.239	0.024
3	49	1.242	1.236	-0.006
3	51	1.241	1.233	-0.009
3	54	1.225	1.220	-0.004
3	56	1.230	1.220	-0.010
3	57u	1.225	1.216	-0.009
3	58u	1.240	1.233	-0.007
3	59u	1.239	1.234	-0.005
3	61u	1.235	1.230	-0.005
3	62u	1.244	1.240	-0.004
10	65	1.231	1.239	0.008
10	67	1.236	1.247	0.011
10	68	1.244	1.219	-0.026
10	73	1.230	1.240	0.010
10	74	1.231	1.243	0.012
10	75u	1.228	1.243	0.015
10	76u	1.243	1.231	-0.012
10	77u	1.245	1.231	-0.015
10	78u	1.248	1.232	-0.016
10	79u	1.222	1.243	0.021
30	81	1.229	1.227	-0.003
30	83	1.220	1.215	-0.006
30	84	1.228	1.238	0.010
30	86	1.235	1.227	-0.008
30	89	1.219	1.227	0.007
30	94u	1.240	1.219	-0.021
30	96u	1.240	1.226	-0.014
30	98u	1.235	1.213	-0.021
30	100u	1.228	1.245	0.017
30	102u	1.222	1.242	0.020
50	107	1.216	1.240	0.024
50	108	1.232	1.231	-0.001
50	110	1.219	1.235	0.016
50	111	1.226	1.219	-0.008
50	113	1.248	1.238	-0.010
50	114u	1.230	1.231	0.000
50	115u	1.229	1.243	0.014
50	118u	1.238	1.226	-0.012
50	119u	1.229	1.241	0.013
50	122u	1.249	1.247	-0.002
100	125	1.233	1.215	-0.018
100	126	1.236	1.222	-0.014
100	127	1.220	1.221	0.001
100	128	1.238	1.220	-0.018
100	129	1.235	1.204	-0.031
100	130	1.240	1.234	-0.006
100	132	1.251	1.215	-0.036
100	198	1.242	1.223	-0.019
100	199	1.234	1.240	0.006
100	201	1.224	1.242	0.018
100	208	1.232	1.221	-0.012
100	209	1.239	1.234	-0.005
100	210	1.211	1.229	0.018
100	214	1.245	1.216	-0.030



70.6_MinSS@PG VIN5p5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1.54	V
Min Limit	0	V

krad(Si)	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	1.239	1.216	1.219	1.213	1.219	1.204
Average	1.239	1.230	1.237	1.228	1.235	1.223
Max	1.239	1.240	1.247	1.245	1.247	1.248
UL	1.540	1.540	1.540	1.540	1.540	1.540



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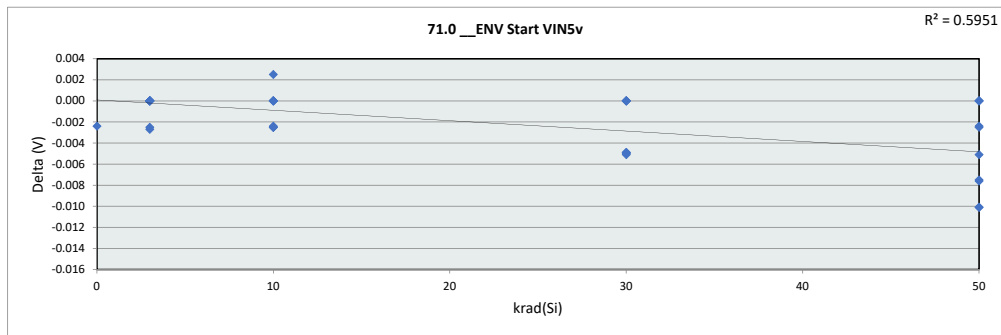
100	217	1.222	1.220	-0.002
100	218	1.231	1.209	-0.022
100	219	1.251	1.234	-0.017
100	220	1.223	1.237	0.015
100	317	1.237	1.210	-0.027
100	318	1.244	1.222	-0.022
100	322	1.227	1.205	-0.022
100	323	1.234	1.210	-0.023
100	325u	1.245	1.217	-0.029
100	327u	1.233	1.218	-0.014
100	330u	1.240	1.234	-0.006
100	332u	1.231	1.248	0.017
100	333u	1.226	1.230	0.003
	Max	1.251	1.248	0.024
	Average	1.233	1.229	-0.004
	Min	1.211	1.204	-0.036
	Std Dev	0.009	0.011	0.015

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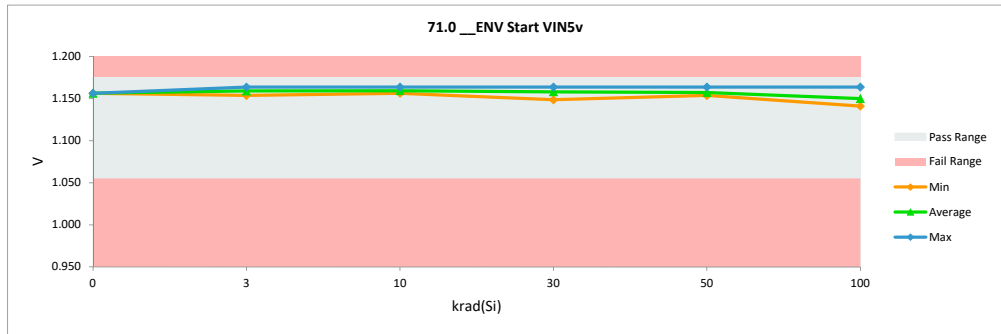
71.0 __ENV Start VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	1.175	1.175
Min Limit	1.055	1.055

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	1.159	1.156	-0.002
3	48	1.159	1.159	0.000
3	49	1.156	1.154	-0.003
3	51	1.156	1.156	0.000
3	54	1.164	1.164	0.000
3	56	1.161	1.159	-0.002
3	57u	1.159	1.159	0.000
3	58u	1.161	1.161	0.000
3	59u	1.159	1.159	0.000
3	61u	1.164	1.164	0.000
3	62u	1.156	1.156	0.000
10	65	1.161	1.161	0.000
10	67	1.164	1.161	-0.003
10	68	1.161	1.159	-0.002
10	73	1.159	1.156	-0.002
10	74	1.164	1.161	-0.003
10	75u	1.159	1.159	0.000
10	76u	1.156	1.156	0.000
10	77u	1.159	1.159	0.000
10	78u	1.161	1.164	0.003
10	79u	1.156	1.156	0.000
30	81	1.161	1.156	-0.005
30	83	1.154	1.149	-0.005
30	84	1.166	1.161	-0.005
30	86	1.161	1.156	-0.005
30	89	1.161	1.156	-0.005
30	94u	1.159	1.159	0.000
30	96u	1.159	1.159	0.000
30	98u	1.156	1.156	0.000
30	100u	1.164	1.164	0.000
30	102u	1.164	1.164	0.000
50	107	1.164	1.154	-0.010
50	108	1.164	1.154	-0.010
50	110	1.161	1.154	-0.008
50	111	1.166	1.159	-0.008
50	113	1.159	1.154	-0.005
50	114u	1.161	1.161	0.000
50	115u	1.164	1.164	0.000
50	118u	1.156	1.156	0.000
50	119u	1.159	1.156	-0.002
50	122u	1.164	1.161	-0.003
100	125	1.164	1.151	-0.013
100	126	1.156	1.146	-0.010
100	127	1.159	1.146	-0.013
100	128	1.156	1.149	-0.008
100	129	1.156	1.146	-0.010
100	130	1.161	1.149	-0.013
100	132	1.164	1.154	-0.010
100	198	1.159	1.149	-0.010
100	199	1.161	1.151	-0.010
100	201	1.161	1.149	-0.013
100	208	1.154	1.141	-0.013
100	209	1.161	1.151	-0.010
100	210	1.164	1.154	-0.010
100	214	1.161	1.146	-0.015



71.0 __ENV Start VIN5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1.175	V
Min Limit	1.055	V

krad(Si)	0	3	10	30	50	100
LL	1.055	1.055	1.055	1.055	1.055	1.055
Min	1.156	1.154	1.156	1.149	1.154	1.141
Average	1.156	1.159	1.159	1.158	1.157	1.150
Max	1.156	1.164	1.164	1.164	1.164	1.164
UL	1.175	1.175	1.175	1.175	1.175	1.175



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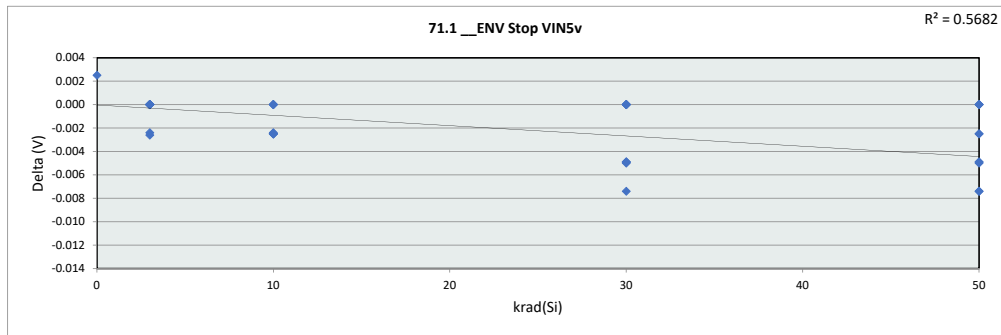
5962R2021001VSC (TPS7H4002-SP)

100	217	1.156	1.144	-0.013
100	218	1.161	1.149	-0.013
100	219	1.164	1.151	-0.013
100	220	1.159	1.146	-0.013
100	317	1.161	1.151	-0.010
100	318	1.164	1.151	-0.013
100	322	1.159	1.146	-0.013
100	323	1.156	1.144	-0.013
100	325u	1.164	1.159	-0.005
100	327u	1.154	1.149	-0.005
100	330u	1.166	1.164	-0.003
100	332u	1.159	1.159	0.000
100	333u	1.159	1.161	0.002
	Max	1.166	1.164	0.003
	Average	1.160	1.155	-0.005
	Min	1.154	1.141	-0.015
	Std Dev	0.003	0.006	0.005

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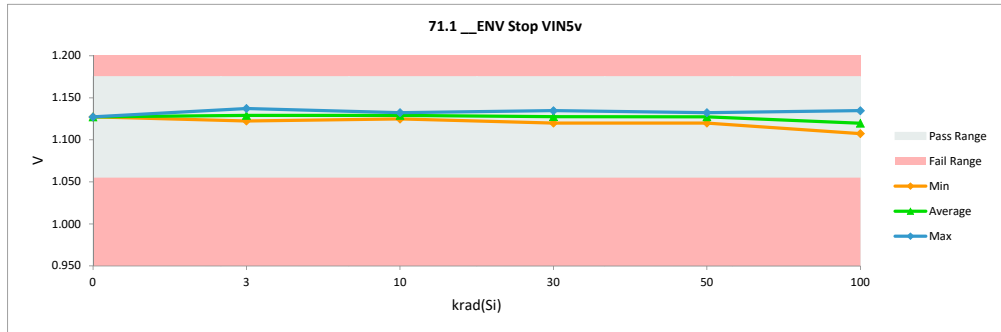
71.1 __ENV Stop VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	1.175	1.175
Min Limit	1.055	1.055

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	1.125	1.127	0.003
3	48	1.132	1.132	0.000
3	49	1.122	1.122	0.000
3	51	1.125	1.122	-0.002
3	54	1.132	1.132	0.000
3	56	1.130	1.130	0.000
3	57u	1.127	1.127	0.000
3	58u	1.127	1.127	0.000
3	59u	1.132	1.132	0.000
3	61u	1.140	1.137	-0.003
3	62u	1.127	1.127	0.000
10	65	1.135	1.132	-0.002
10	67	1.130	1.127	-0.002
10	68	1.127	1.125	-0.003
10	73	1.130	1.127	-0.002
10	74	1.132	1.132	0.000
10	75u	1.132	1.132	0.000
10	76u	1.127	1.125	-0.003
10	77u	1.132	1.132	0.000
10	78u	1.132	1.132	0.000
10	79u	1.127	1.125	-0.003
30	81	1.127	1.122	-0.005
30	83	1.125	1.120	-0.005
30	84	1.137	1.130	-0.007
30	86	1.135	1.130	-0.005
30	89	1.130	1.125	-0.005
30	94u	1.127	1.127	0.000
30	96u	1.130	1.130	0.000
30	98u	1.127	1.127	0.000
30	100u	1.130	1.130	0.000
30	102u	1.135	1.135	0.000
50	107	1.135	1.127	-0.007
50	108	1.130	1.125	-0.005
50	110	1.130	1.122	-0.007
50	111	1.137	1.132	-0.005
50	113	1.125	1.120	-0.005
50	114u	1.132	1.132	0.000
50	115u	1.132	1.130	-0.003
50	118u	1.122	1.122	0.000
50	119u	1.132	1.130	-0.003
50	122u	1.132	1.132	0.000
100	125	1.132	1.122	-0.010
100	126	1.125	1.115	-0.010
100	127	1.127	1.117	-0.010
100	128	1.130	1.122	-0.007
100	129	1.125	1.115	-0.010
100	130	1.127	1.117	-0.010
100	132	1.135	1.122	-0.012
100	198	1.125	1.115	-0.010
100	199	1.130	1.120	-0.010
100	201	1.132	1.122	-0.010
100	208	1.120	1.107	-0.013
100	209	1.130	1.120	-0.010
100	210	1.132	1.120	-0.012
100	214	1.130	1.120	-0.010



71.1 __ENV Stop VIN5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1.175	V
Min Limit	1.055	V

krad(Si)	0	3	10	30	50	100
LL	1.055	1.055	1.055	1.055	1.055	1.055
Min	1.127	1.122	1.125	1.120	1.120	1.107
Average	1.127	1.129	1.129	1.128	1.127	1.120
Max	1.127	1.137	1.132	1.135	1.132	1.135
UL	1.175	1.175	1.175	1.175	1.175	1.175



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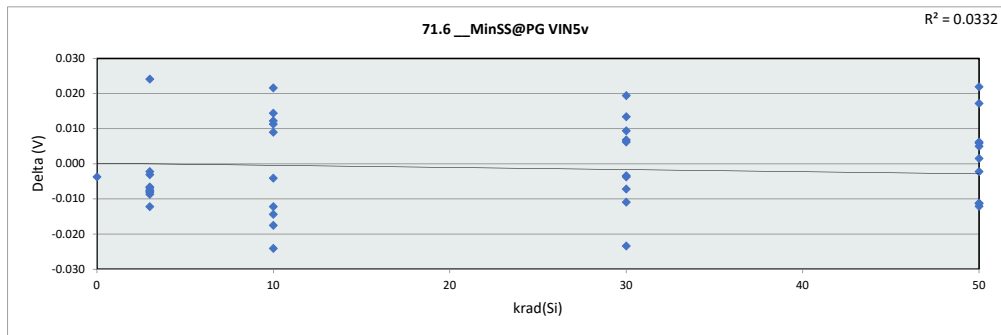
100	217	1.122	1.110	-0.012
100	218	1.127	1.117	-0.010
100	219	1.135	1.122	-0.012
100	220	1.127	1.115	-0.012
100	317	1.130	1.120	-0.010
100	318	1.132	1.120	-0.012
100	322	1.127	1.115	-0.012
100	323	1.127	1.115	-0.012
100	325u	1.135	1.132	-0.002
100	327u	1.125	1.122	-0.002
100	330u	1.132	1.135	0.002
100	332u	1.130	1.130	0.000
100	333u	1.127	1.125	-0.003
	Max	1.140	1.137	0.003
	Average	1.130	1.125	-0.005
	Min	1.120	1.107	-0.013
	Std Dev	0.004	0.006	0.005

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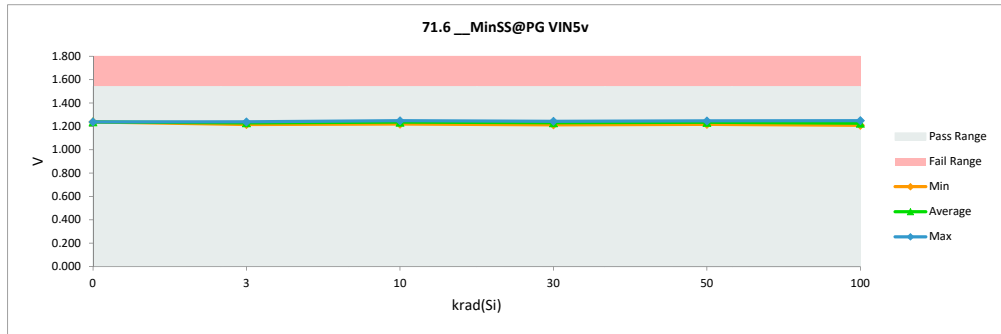
71.6_MinSS@PG VIN5v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	1.54	1.54
Min Limit	0	0

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	1.241	1.237	-0.004
3	48	1.214	1.238	0.024
3	49	1.242	1.235	-0.007
3	51	1.239	1.237	-0.002
3	54	1.227	1.219	-0.008
3	56	1.229	1.217	-0.012
3	57u	1.224	1.215	-0.009
3	58u	1.240	1.232	-0.008
3	59u	1.239	1.232	-0.007
3	61u	1.234	1.231	-0.003
3	62u	1.247	1.239	-0.008
10	65	1.231	1.227	-0.004
10	67	1.236	1.248	0.011
10	68	1.243	1.219	-0.024
10	73	1.230	1.239	0.009
10	74	1.230	1.242	0.012
10	75u	1.226	1.241	0.014
10	76u	1.246	1.228	-0.018
10	77u	1.248	1.234	-0.014
10	78u	1.245	1.233	-0.012
10	79u	1.221	1.243	0.022
30	81	1.230	1.226	-0.003
30	83	1.216	1.213	-0.004
30	84	1.228	1.235	0.006
30	86	1.235	1.228	-0.007
30	89	1.220	1.227	0.007
30	94u	1.241	1.217	-0.023
30	96u	1.238	1.227	-0.011
30	98u	1.234	1.243	0.009
30	100u	1.228	1.242	0.013
30	102u	1.223	1.242	0.019
50	107	1.216	1.238	0.022
50	108	1.231	1.237	0.006
50	110	1.219	1.236	0.017
50	111	1.230	1.217	-0.012
50	113	1.246	1.235	-0.011
50	114u	1.225	1.230	0.005
50	115u	1.243	1.244	0.002
50	118u	1.237	1.226	-0.011
50	119u	1.225	1.231	0.006
50	122u	1.249	1.247	-0.002
100	125	1.234	1.213	-0.021
100	126	1.234	1.221	-0.013
100	127	1.222	1.220	-0.002
100	128	1.237	1.220	-0.018
100	129	1.236	1.235	-0.001
100	130	1.239	1.234	-0.005
100	132	1.221	1.241	0.020
100	198	1.240	1.224	-0.017
100	199	1.235	1.238	0.004
100	201	1.227	1.243	0.016
100	208	1.231	1.220	-0.012
100	209	1.239	1.234	-0.004
100	210	1.245	1.232	-0.013
100	214	1.243	1.217	-0.026



71.6_MinSS@PG VIN5v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1.54	V
Min Limit	0	V

krad(Si)	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	1.237	1.216	1.219	1.213	1.217	1.209
Average	1.237	1.230	1.235	1.230	1.234	1.227
Max	1.237	1.239	1.248	1.243	1.247	1.248
UL	1.540	1.540	1.540	1.540	1.540	1.540



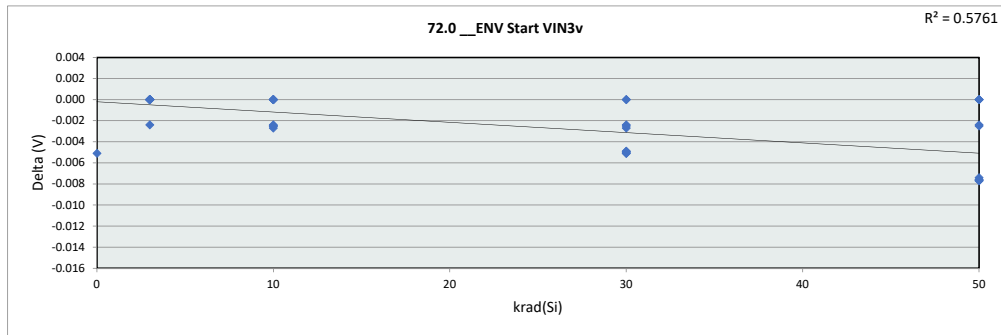
LDR Report
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100	217	1.221	1.220	-0.001
100	218	1.233	1.213	-0.020
100	219	1.251	1.234	-0.017
100	220	1.223	1.235	0.012
100	317	1.237	1.211	-0.026
100	318	1.243	1.224	-0.019
100	322	1.227	1.214	-0.012
100	323	1.234	1.209	-0.025
100	325u	1.244	1.219	-0.025
100	327u	1.234	1.247	0.013
100	330u	1.240	1.233	-0.007
100	332u	1.230	1.248	0.018
100	333u	1.224	1.233	0.009
	Max	1.251	1.248	0.024
	Average	1.233	1.230	-0.003
	Min	1.214	1.209	-0.026
	Std Dev	0.009	0.010	0.014

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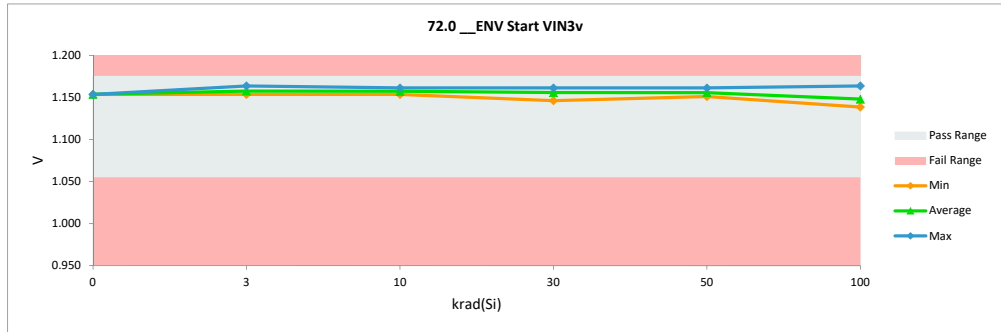
72.0 __ENV Start VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	1.175	1.175
Min Limit	1.055	1.055

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	1.159	1.154	-0.005
3	48	1.156	1.156	0.000
3	49	1.154	1.154	0.000
3	51	1.156	1.156	0.000
3	54	1.164	1.164	0.000
3	56	1.159	1.156	-0.002
3	57u	1.159	1.159	0.000
3	58u	1.159	1.159	0.000
3	59u	1.156	1.156	0.000
3	61u	1.161	1.161	0.000
3	62u	1.154	1.154	0.000
10	65	1.161	1.159	-0.002
10	67	1.161	1.159	-0.002
10	68	1.159	1.159	0.000
10	73	1.156	1.156	0.000
10	74	1.161	1.159	-0.002
10	75u	1.156	1.156	0.000
10	76u	1.156	1.154	-0.003
10	77u	1.159	1.156	-0.002
10	78u	1.161	1.161	0.000
10	79u	1.154	1.154	0.000
30	81	1.161	1.156	-0.005
30	83	1.151	1.146	-0.005
30	84	1.164	1.159	-0.005
30	86	1.159	1.154	-0.005
30	89	1.159	1.154	-0.005
30	94u	1.156	1.156	0.000
30	96u	1.159	1.156	-0.002
30	98u	1.156	1.154	-0.003
30	100u	1.161	1.161	0.000
30	102u	1.164	1.161	-0.003
50	107	1.161	1.154	-0.008
50	108	1.161	1.154	-0.008
50	110	1.159	1.151	-0.008
50	111	1.164	1.156	-0.007
50	113	1.159	1.151	-0.008
50	114u	1.161	1.161	0.000
50	115u	1.161	1.161	0.000
50	118u	1.154	1.154	0.000
50	119u	1.159	1.156	-0.002
50	122u	1.161	1.159	-0.002
100	125	1.161	1.149	-0.013
100	126	1.154	1.144	-0.010
100	127	1.156	1.144	-0.013
100	128	1.156	1.146	-0.010
100	129	1.154	1.144	-0.010
100	130	1.159	1.146	-0.013
100	132	1.164	1.154	-0.010
100	198	1.159	1.146	-0.013
100	199	1.161	1.149	-0.013
100	201	1.159	1.146	-0.013
100	208	1.151	1.139	-0.012
100	209	1.159	1.149	-0.010
100	210	1.164	1.151	-0.013
100	214	1.156	1.144	-0.013



72.0 __ENV Start VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1.175	V
Min Limit	1.055	V

krad(Si)	0	3	10	30	50	100
LL	1.055	1.055	1.055	1.055	1.055	1.055
Min	1.154	1.154	1.154	1.146	1.151	1.139
Average	1.154	1.158	1.157	1.156	1.156	1.148
Max	1.154	1.164	1.161	1.161	1.161	1.164
UL	1.175	1.175	1.175	1.175	1.175	1.175



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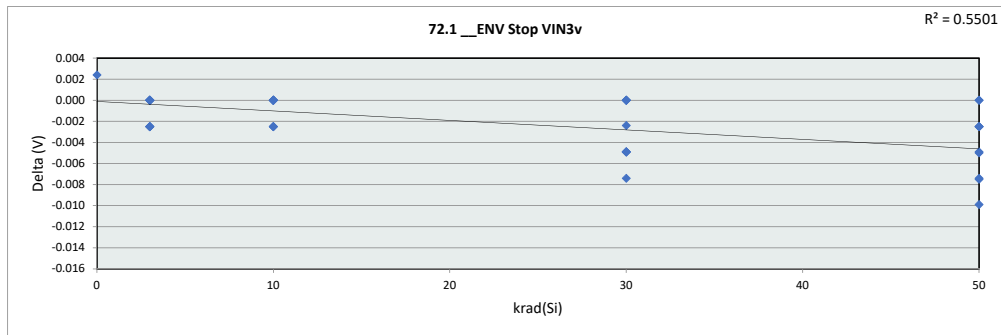
100	217	1.154	1.141	-0.013
100	218	1.159	1.146	-0.013
100	219	1.161	1.146	-0.015
100	220	1.156	1.144	-0.013
100	317	1.161	1.149	-0.013
100	318	1.161	1.149	-0.013
100	322	1.159	1.146	-0.013
100	323	1.154	1.141	-0.013
100	325u	1.161	1.156	-0.005
100	327u	1.151	1.149	-0.003
100	330u	1.164	1.164	0.000
100	332u	1.159	1.159	0.000
100	333u	1.156	1.159	0.002
	Max	1.164	1.164	0.002
	Average	1.159	1.153	-0.005
	Min	1.151	1.139	-0.015
	Std Dev	0.003	0.006	0.005

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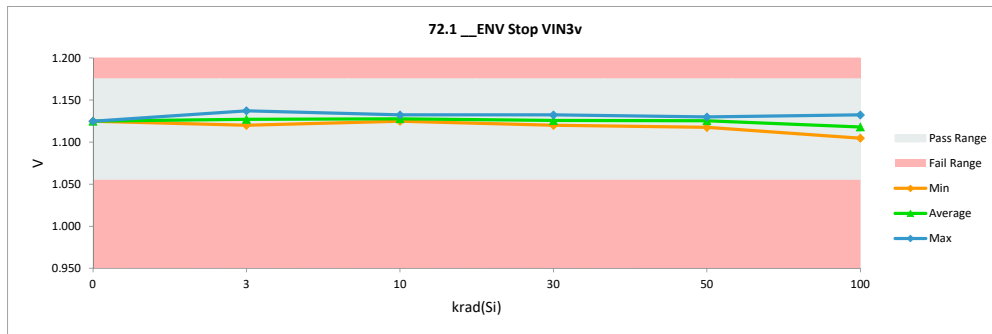
72.1 __ENV Stop VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	1.175	1.175
Min Limit	1.055	1.055

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	1.122	1.125	0.002
3	48	1.130	1.130	0.000
3	49	1.122	1.120	-0.003
3	51	1.122	1.122	0.000
3	54	1.132	1.130	-0.003
3	56	1.130	1.127	-0.002
3	57u	1.125	1.125	0.000
3	58u	1.127	1.125	-0.003
3	59u	1.130	1.130	0.000
3	61u	1.137	1.137	0.000
3	62u	1.125	1.125	0.000
10	65	1.132	1.132	0.000
10	67	1.127	1.125	-0.003
10	68	1.125	1.125	0.000
10	73	1.127	1.125	-0.003
10	74	1.132	1.130	-0.003
10	75u	1.130	1.130	0.000
10	76u	1.125	1.125	0.000
10	77u	1.130	1.130	0.000
10	78u	1.130	1.130	0.000
10	79u	1.125	1.125	0.000
30	81	1.125	1.120	-0.005
30	83	1.125	1.120	-0.005
30	84	1.135	1.130	-0.005
30	86	1.135	1.127	-0.007
30	89	1.127	1.122	-0.005
30	94u	1.125	1.125	0.000
30	96u	1.127	1.127	0.000
30	98u	1.125	1.125	0.000
30	100u	1.127	1.127	0.000
30	102u	1.135	1.132	-0.002
50	107	1.132	1.125	-0.008
50	108	1.130	1.122	-0.007
50	110	1.130	1.120	-0.010
50	111	1.135	1.130	-0.005
50	113	1.122	1.117	-0.005
50	114u	1.132	1.130	-0.003
50	115u	1.130	1.130	0.000
50	118u	1.122	1.122	0.000
50	119u	1.130	1.127	-0.002
50	122u	1.132	1.130	-0.003
100	125	1.130	1.120	-0.010
100	126	1.125	1.115	-0.010
100	127	1.125	1.115	-0.010
100	128	1.127	1.120	-0.007
100	129	1.122	1.112	-0.010
100	130	1.125	1.117	-0.007
100	132	1.132	1.120	-0.012
100	198	1.125	1.112	-0.012
100	199	1.127	1.117	-0.010
100	201	1.132	1.120	-0.012
100	208	1.117	1.105	-0.013
100	209	1.130	1.120	-0.010
100	210	1.130	1.117	-0.012
100	214	1.127	1.117	-0.010



72.1 __ENV Stop VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1.175	V
Min Limit	1.055	V

krad(Si)	0	3	10	30	50	100
LL	1.055	1.055	1.055	1.055	1.055	1.055
Min	1.125	1.120	1.125	1.120	1.117	1.105
Average	1.125	1.127	1.128	1.126	1.125	1.118
Max	1.125	1.137	1.132	1.132	1.130	1.132
UL	1.175	1.175	1.175	1.175	1.175	1.175



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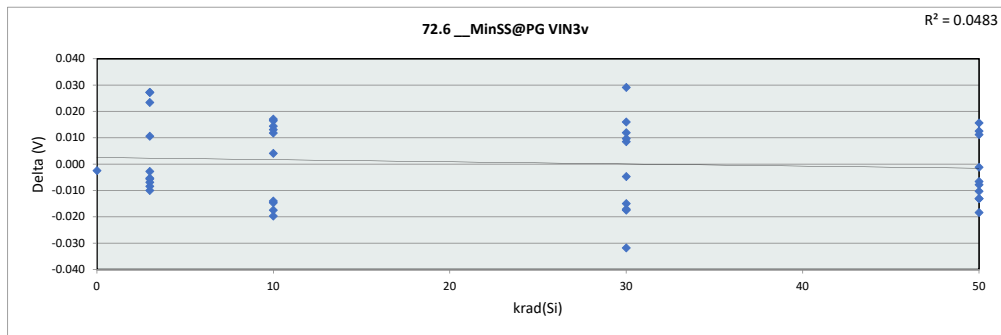
100	217	1.120	1.107	-0.013
100	218	1.125	1.115	-0.010
100	219	1.132	1.122	-0.010
100	220	1.127	1.115	-0.012
100	317	1.130	1.117	-0.012
100	318	1.132	1.117	-0.015
100	322	1.125	1.115	-0.010
100	323	1.127	1.112	-0.015
100	325u	1.132	1.132	0.000
100	327u	1.122	1.120	-0.003
100	330u	1.130	1.132	0.003
100	332u	1.127	1.127	0.000
100	333u	1.127	1.122	-0.005
	Max	1.137	1.137	0.003
	Average	1.128	1.123	-0.005
	Min	1.117	1.105	-0.015
	Std Dev	0.004	0.006	0.005

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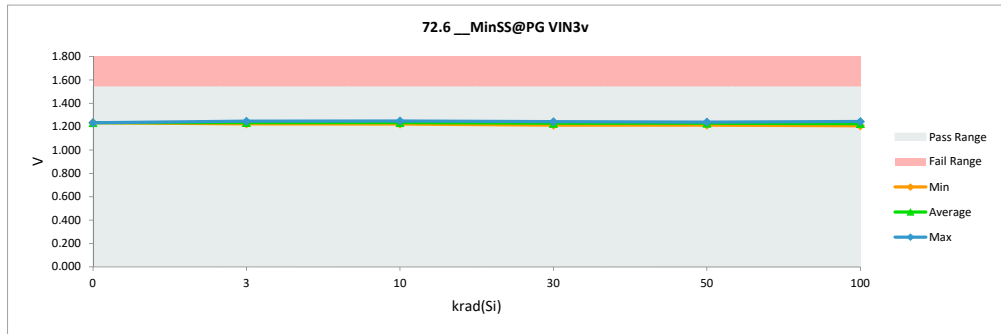
72.6_MinSS@PG VIN3v		
Test Site	DAL-FL	DAL-FL
Tester	ETS36409	ETS36409
Test Number	EB386805	EB386805
Unit	V	V
Max Limit	1.54	1.54
Min Limit	0	0

krad(Si)	Serial #	POL3A Pre LDR	POL3A Post LDR	Delta
0	0	1.236	1.234	-0.003
3	48	1.241	1.234	-0.007
3	49	1.237	1.231	-0.006
3	51	1.236	1.247	0.011
3	54	1.219	1.246	0.027
3	56	1.223	1.246	0.023
3	57u	1.218	1.245	0.027
3	58u	1.235	1.225	-0.010
3	59u	1.235	1.226	-0.008
3	61u	1.226	1.224	-0.003
3	62u	1.239	1.234	-0.005
10	65	1.229	1.233	0.004
10	67	1.230	1.242	0.012
10	68	1.236	1.249	0.013
10	73	1.221	1.235	0.014
10	74	1.220	1.237	0.017
10	75u	1.220	1.237	0.017
10	76u	1.242	1.223	-0.020
10	77u	1.241	1.226	-0.015
10	78u	1.244	1.226	-0.018
10	79u	1.250	1.236	-0.014
30	81	1.226	1.221	-0.005
30	83	1.209	1.238	0.029
30	84	1.218	1.230	0.012
30	86	1.228	1.213	-0.015
30	89	1.249	1.217	-0.032
30	94u	1.234	1.243	0.008
30	96u	1.234	1.217	-0.017
30	98u	1.229	1.239	0.010
30	100u	1.221	1.237	0.016
30	102u	1.253	1.235	-0.017
50	107	1.246	1.233	-0.013
50	108	1.223	1.234	0.011
50	110	1.246	1.228	-0.018
50	111	1.220	1.213	-0.008
50	113	1.243	1.230	-0.013
50	114u	1.224	1.222	-0.001
50	115u	1.225	1.238	0.012
50	118u	1.231	1.220	-0.010
50	119u	1.220	1.235	0.016
50	122u	1.245	1.239	-0.007
100	125	1.227	1.238	0.011
100	126	1.230	1.214	-0.016
100	127	1.216	1.212	-0.003
100	128	1.235	1.242	0.007
100	129	1.229	1.225	-0.004
100	130	1.234	1.227	-0.007
100	132	1.247	1.236	-0.012
100	198	1.236	1.214	-0.023
100	199	1.228	1.233	0.005
100	201	1.253	1.236	-0.017
100	208	1.227	1.211	-0.016
100	209	1.234	1.227	-0.007
100	210	1.241	1.223	-0.018
100	214	1.238	1.208	-0.029



72.6_MinSS@PG VIN3v		
Test Site	DAL-FL	
Tester	ETS36409	
Test Number	EB386805	
Max Limit	1.54	V
Min Limit	0	V

krad(Si)	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	1.234	1.224	1.223	1.213	1.213	1.208
Average	1.234	1.236	1.234	1.229	1.229	1.226
Max	1.234	1.247	1.249	1.243	1.239	1.244
UL	1.540	1.540	1.540	1.540	1.540	1.540



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100	217	1.213	1.213	0.000
100	218	1.224	1.239	0.015
100	219	1.248	1.226	-0.022
100	220	1.214	1.230	0.015
100	317	1.246	1.235	-0.011
100	318	1.239	1.216	-0.022
100	322	1.224	1.209	-0.014
100	323	1.228	1.235	0.007
100	325u	1.237	1.211	-0.026
100	327u	1.229	1.244	0.015
100	330u	1.225	1.228	0.003
100	332u	1.223	1.243	0.021
100	333u	1.217	1.223	0.006
	Max	1.253	1.249	0.029
	Average	1.232	1.230	-0.002
	Min	1.209	1.208	-0.032
	Std Dev	0.011	0.011	0.015

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