

SN54SC1G08-SEP Total Ionizing Dose (TID) Report



ABSTRACT

This report covers the radiation characterization results of the SN54SC1G08-SEP, Single 2-Input Positive-AND Gate. The study was done to determine Total Ionizing Dose (TID) effects under high dose rate (HDR) up to 50krad(Si) as a one time characterization. The results show that all samples passed within the specified limits up to 30krad(Si) with effective dose of 115.74mrad(Si)/s (with 72 hour room temperature anneal). Radiation Lot Acceptance Testing (RLAT) is performed using 5 units at a dose level of 30krad(Si) for future wafer lots per MIL-STD-883 TM 1019. All future wafer lots are tested under the same conditions. The device is manufactured in pure CMOS process. HDR TID response is the worst case. TID HDR characterization was performed per TM 1019.

The SN54SC1G08-SEP is packaged in a space enhanced plastic package for low outgassing characteristics and is Single Event Latch-Up (SEL) immune up to 47MeV-cm²/mg, which makes the device an option for low Earth orbit space applications. Single Event Transient (SET) data is also provided in the Single Event Effects Radiation Report.

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Trademarks

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1 Device Information

The SN54SC1G08-SEP device performs the Boolean function $Y = A \cdot B$ or $Y = \overline{A + B}$ in positive logic. The CMOS device has high output drive while maintaining low static power dissipation over a broad VCC operating range.

1.1 Device Details

Table 1-1 lists the SN54SC1G08-SEP device information used for TID HDR.

Table 1-1. Device and Exposure Details

TID HDR Details: Up To 50krad(Si)	
TI Device Number	SN54SC1G08-SEP
VID/SMD Number	V62/26601-01XE
Package	5-pin DBV (SOT-23)
Technology	LBC9
Die Lot Number	4340638RFB
A/T Lot Number	5055835WCW
Lot Trace Code	52A60YW
Quantity Tested	20 irradiated devices + 5 control
Lot Accept or Reject	Devices passed 30krad(Si)
HDR Radiation Facility	Texas Instruments CLAB in Dallas, Texas
HDR Dose Level	10krad(Si), 20krad(Si), 30krad(Si), 50krad(Si)
HDR Dose Rate	169.27 rad(Si)/s ionizing radiation
Effective Dose Rate 30krad(Si) with 72 hour Anneal	115.74mrad(Si)/s ionizing radiation
Anneal Conditions	25°C for 72 hours
HDR Radiation Source	Gammacell 220 Excel (GC-220E) Co-60
Irradiation Temperature	Ambient, room temperature

2 Total Dose Test Setup

2.1 Test Overview

The SN54SC1G08-SEP samples were irradiated at a high dose rate of 169.27 rad(Si)/s up to 50krad(Si) (115.74mrad(Si)/s effective does rate for 30krad(Si) with 72 hour anneal) and then put through full electrical parametric testing on the production Automated Test Equipment (ATE). The samples were functional and passed all electrical parametric tests with readings within data sheet electrical specification limits.

2.2 Test Description and Facilities

The SN54SC1G08-SEP HDR exposure was performed on biased devices in a Co-60 gamma cell at TI facility in Dallas, Texas. The un-attenuated dose rate of this cell is 169.27 rads(Si)/s (115.74mrad(Si)/s effective does rate of 30krad(Si) with 72 hour anneal). After exposure, the devices were packed in dry ice (per MIL-STD-883 Method 1019.9 section 3.10) and full post radiation electrical evaluation using Texas Instruments ATE was conducted. ATE test limits are set per data sheet electrical limits based on qualification and characterization data. Post radiation measurements were taken within 30 minutes of removing the devices from the dry ice container. The devices were allowed to reach room temperature prior to electrical post radiation measurements.

2.3 Test Setup Details

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

2.3.1 Bias Diagram

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

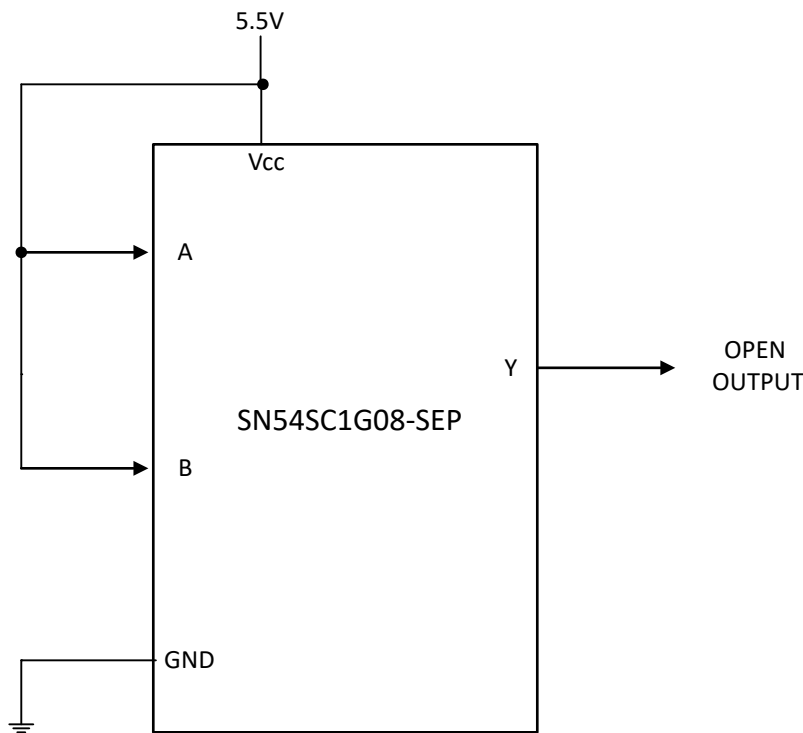


Figure 2-1. SN54SC1G08-SEP Bias Diagram.

2.4 Test Configuration and Condition

A step stress (10k, 20k, 30k and 50k) test method was used to determine the TID hardness level. That is, after a predetermined TID level was reached, an electrical test was performed on a given sample of parts to verify that the units are within specified data sheet electrical test limits. The HDR RLAT units were irradiated to 30krad(Si), parametrically tested on ATE, and then were annealed at 25°C for 72 hours. The units that were irradiated to 30krad(Si) and were annealed for 72 hours are denoted as 31krad(Si) in [Appendix A](#). ATE parametric testing was completed before and after the anneal.

[Table 2-1](#) lists the serialized samples used for TID HDR biased characterization.

Table 2-1. HDR Biased Device Information

Control Group	HDR Dose Rate = 169.27 rad(Si)/s				
Total Samples: 5	Total Exposed Samples: 25				
	Exposure Levels				
0krad (Si)	10krad (Si)	20krad(Si)	30krad(Si)	30krad(Si) + 72 hr Anneal	50 krad(Si)
1 - 5	6 - 10	11-15	16-20	16a - 20a	21- 25

3 TID Characterization Test Results

3.1 TID Characterization Summary Results

The parametric data for the SN54SC1G08-SEP passes up to 30krad(Si) with effective dose of 115.74mrad(Si)/s (with 72 hour room temperature anneal) HDR TID irradiation. The drifts of the electrical parameters through HDR were within the data sheet limits.

Overall, the SN54SC1G08-SEP showed a strong degree of hardness to HDR TID irradiation up to 30krad(Si). The measurements taken post-irradiation for each sample set showed a marginal shift for most parameters at each dose level. The parameters that did show a greater degree of change between pre- and post-irradiation were still within the electrical performance characteristics specified in the data sheet electrical parameters. For the data sheet electrical parameters and associated tests, see [SN54SC1G08-SEP Radiation Tolerant, Single 2-Input Positive-AND Gate](#).

See [Appendix A](#) for HDR report up to 50krad(Si).

3.2 Specification Compliance Matrix

Table 3-1. SN54SC1G08-SEP Electrical Parameters Table

Parameter	Test Conditions	VCC	T _A = -55°C to +125°C			Unit	Test Name
			MIN	TYP	MAX		
V _{IH}	High-level input voltage	1.1V	0.75			V	VIH_1P1V
		1.32V	0.78				VIH_1P32V
		1.5V	0.975				VIH_1P5V
		1.65V	1.075				VIH_1P65V
		1.95V	1.2675				VIH_1P95V
		2.3V	1.7				VIH_2P3V
		2.7V	1.7				VIH_2P7V
		3.0V	2				VIH_3V
		3.6V	2				VIH_3P6V
		4.5V	3.15				VIH_4P5V
		5.5V	3.85				VIH_5P5V
V _{IL}	Low-level input voltage	1.1V			0.30	V	VIL_1P1V
		1.32V			0.42		VIL_1P32V
		1.5V			0.525		VIL_1P5V
		1.65V			0.5775		VIL_1P65V
		1.95V			0.6825		VIL_1P95V
		2.3V			0.7		VIL_2P3V
		2.7V			0.7		VIL_2P7V
		3.0V			0.8		VIL_3V
		3.6V			0.8		VIL_3P6V
		4.5V			1.35		VIL_4P5V
		5.5V			1.65		VIL_5P5V
V _{OH}	I _{OH} = -100μA	1.1V to 5.5V	V _{CC} - 0.1			V	VOH_N100UA_1P1V
	I _{OH} = -4mA	1.65V	1.2				VOH_N4MA_1P65V
	I _{OH} = -8mA	2.3V	1.9				VOH_N8MA_2P3V
	I _{OH} = -12mA	2.7V	2.2				VOH_N12MA_2P7V
	I _{OH} = -16mA	3V	2.4				VOH_N16MA_3V
	I _{OH} = -24mA	3V	2.3				VOH_N24MA_3V
	I _{OH} = -32mA	4.5V	3.8				VOH_N32MA_4P5V
V _{OL}	I _{OL} = 100μA	1.1V to 5.5V			0.15	V	VOL_100UA_1P1V
	I _{OL} = 4mA	1.65V			0.45		VOL_4MA_1P65V
	I _{OL} = 8mA	2.3V			0.3		VOL_8MA_2P3V
	I _{OL} = 12mA	2.7V			0.4		VOL_12MA_2P7V
	I _{OL} = 16mA	3V			0.4		VOL_16MA_3V
	I _{OL} = 24mA	3V			0.55		VOL_24MA_3V
	I _{OL} = 32mA	4.5V			0.55		VOL_32MA_4P5V

Table 3-1. SN54SC1G08-SEP Electrical Parameters Table (continued)

Parameter	Test Conditions	VCC	T _A = -55°C to +125°C			Unit	Test Name
			MIN	TYP	MAX		
ΔI_{CC}	One input at V _{CC} - 0.6V, other inputs at V _{CC} or GND	3.0V to 5.5V			500	μA	DELTAICC_3P0V
I _{CC}	V _I = V _{CC} or GND, I _O = 0	V _{CC} = 1.1V to 5.5V		1	10	μA	ICC
I _I	V _I = V _{CC} or GND	V _{CC} = 0V to 5.5V		±1	±5	μA	II
I _{off}	V _I or V _O = V _{CC}	V _{CC} = 0V		±1	±10	μA	IOFF_0V

4 Reference Documents

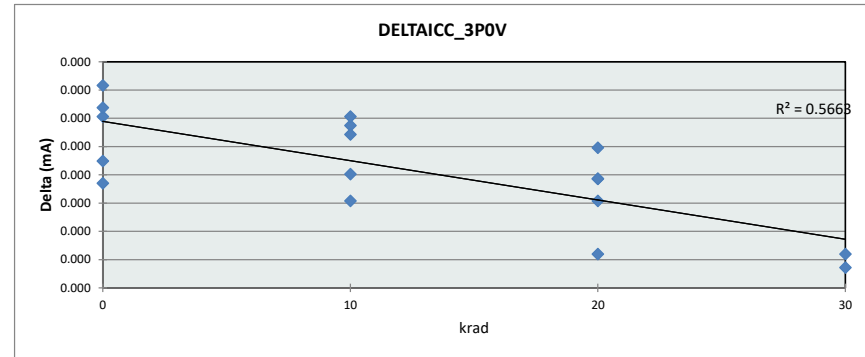
Texas Instruments total ionizing dose radiation (total dose) test procedure follows the standards put forth in MIL-STD-883 TM 1019. The document can be found at the DLA website.

Appendix A: HDR TID Report Data

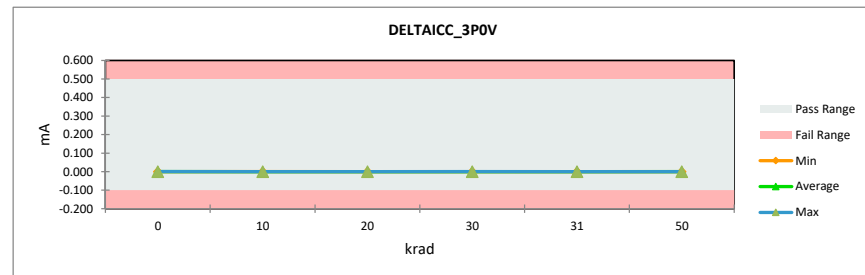
This appendix provides the SN54SC1G08-SEP TID HDR report. The report shows the variation for each parameter up to 50krad(Si).

TID Report SN54SC1G08-SEP

DELTAICC_3POV						
Units	mA					
Max Limit	0.5					
Min Limit	-0.1					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.000	0.000	0.000	-12.81%	0.01%
0	2	0.000	0.000	0.000	-4.24%	0.00%
0	3	0.000	0.000	0.000	-3.26%	0.00%
0	4	0.000	0.000	0.000	0.81%	0.00%
0	5	0.000	0.000	0.000	-14.79%	0.01%
10	6	0.000	0.000	0.000	-5.83%	0.00%
10	7	0.000	0.000	0.000	-7.81%	0.01%
10	8	0.000	0.000	0.000	-17.47%	0.01%
10	9	0.000	0.000	0.000	-5.16%	0.00%
10	10	0.000	0.000	0.000	-14.16%	0.01%
20	11	0.000	0.000	0.000	-14.59%	0.01%
20	12	0.000	0.000	0.000	-15.76%	0.01%
20	13	0.000	0.000	0.000	-11.19%	0.01%
20	14	0.000	0.000	0.000	-27.39%	0.02%
20	15	0.000	0.000	0.000	-18.37%	0.01%
30	16	0.000	0.000	0.000	-30.56%	0.02%
30	17	0.000	0.000	0.000	-29.63%	0.02%
30	18	0.000	0.000	0.000	-21.25%	0.01%
30	19	0.000	0.000	0.000	-24.42%	0.02%
30	20	0.000	0.000	0.000	-23.79%	0.02%
31	16a	0.000	0.000	0.000	1.66%	0.00%
31	17a	0.000	0.000	0.000	-22.96%	0.02%
31	18a	0.000	0.000	0.000	-19.69%	0.01%
31	19a	0.000	0.000	0.000	-22.13%	0.02%
31	20a	0.000	0.000	0.000	-3.97%	0.00%
50	21	0.000	0.000	0.000	-19.22%	0.01%
50	22	0.000	0.000	0.000	-28.23%	0.02%
50	23	0.000	0.000	0.000	-17.05%	0.01%
50	24	0.000	0.000	0.000	-35.25%	0.03%
50	25	0.000	0.000	0.000	-100.00%	0.07%
Max	0.000	0.000	0.000	0.000	1.66%	0.07%
Average	0.000	0.000	0.000	0.000	-18.95%	0.01%
Min	0.000	0.000	0.000	0.000	-100.00%	0.00%
Std Dev	0.000	0.000	0.000	0.000	18.09%	0.01%

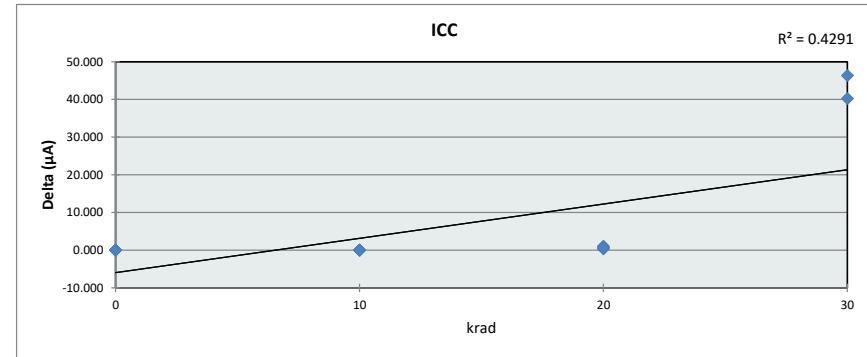


DELTAICC_3POV						
Units	mA					
Max Limit	0.5					
Min Limit	-0.1					
krad	0	10	20	30	31	50
LL	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Min	0.000	0.000	0.000	0.000	0.000	0.000
Average	0.000	0.000	0.000	0.000	0.000	0.000
Max	0.000	0.000	0.000	0.000	0.000	0.000
UL	0.500	0.500	0.500	0.500	0.500	0.500

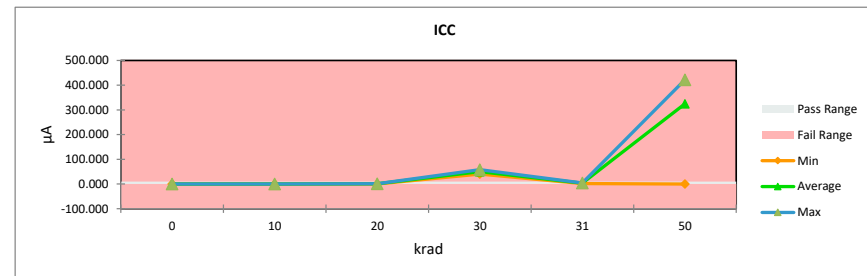


TID Report SN54SC1G08-SEP

		ICC				
		μA				
		10				
		-0.1				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.000	0.001	0.001	-651.64%	0.01%
0	2	0.000	0.001	0.000	98.14%	0.00%
0	3	0.000	0.001	0.001	-284.99%	0.01%
0	4	0.001	0.000	0.000	-22.54%	0.00%
0	5	0.000	0.000	0.000	644.73%	0.00%
10	6	0.000	0.000	0.000	-16.27%	0.00%
10	7	0.000	0.001	0.001	-981.80%	0.01%
10	8	0.001	0.000	-0.001	-70.33%	0.01%
10	9	0.000	0.000	0.000	-45.51%	0.00%
10	10	0.000	0.000	0.000	144.08%	0.00%
20	11	0.001	0.593	0.593	111824.53%	5.87%
20	12	0.000	1.051	1.051	-419493.46%	10.41%
20	13	0.001	0.711	0.710	94836.54%	7.03%
20	14	0.000	0.316	0.315	92077.47%	3.12%
20	15	0.000	0.615	0.615	495306.93%	6.09%
30	16	0.000	40.210	40.210	-42550364.55%	398.12%
30	17	0.000	46.360	46.360	18618373.90%	459.01%
30	18	0.001	57.900	57.899	5621259.22%	573.26%
30	19	0.001	51.920	51.919	6658017.47%	514.05%
30	20	0.000	54.990	54.990	44310939.48%	544.45%
31	16a	0.000	2.161	2.161	-2286872.49%	21.40%
31	17a	0.000	3.478	3.478	1396687.15%	34.43%
31	18a	0.001	4.150	4.149	402812.62%	41.08%
31	19a	0.001	3.954	3.953	506953.09%	39.14%
31	20a	0.000	2.953	2.953	2379432.63%	29.24%
50	21	0.001	421.900	421.899	64421949.17%	4177.22%
50	22	0.000	401.300	401.300	323368151.41%	3973.27%
50	23	0.000	409.300	409.300	146074132.69%	4052.47%
50	24	0.000	389.900	389.900	96247740.04%	3860.39%
50	25	0.000	0.000	0.000	-100.00%	0.00%
	Max	0.001	421.900	421.899	323368151.41%	4177.22%
	Average	0.000	63.126	63.125	22184749.26%	625.00%
	Min	0.000	0.000	0.000	-42550364.55%	0.00%
	Std Dev	0.000	137.958	137.958	66634311.56%	1365.92%

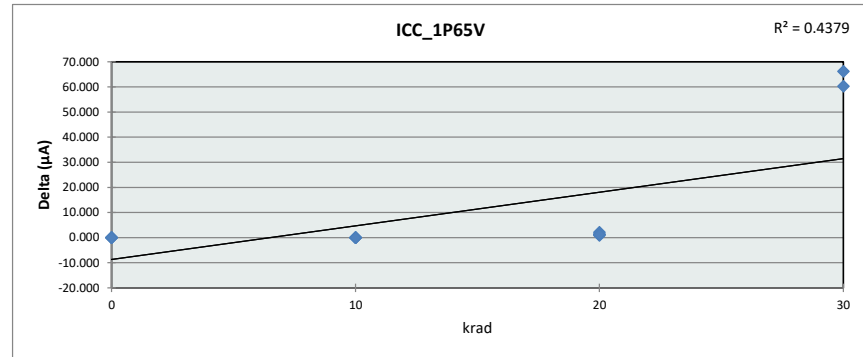


		ICC					
		μA					
		10					
		-0.1					
krad		0	10	20	30	31	50
LL		-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Min		0.000	0.000	0.316	40.210	2.161	0.000
Average		0.001	0.000	0.657	50.276	3.339	324.480
Max		0.001	0.001	1.051	57.900	4.150	421.900
UL		10.000	10.000	10.000	10.000	10.000	10.000

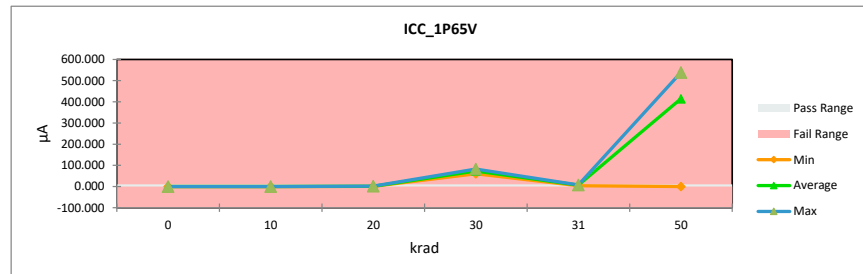


TID Report SN54SC1G08-SEP

ICC_1P65V						
Units	µA					
Max Limit	10					
Min Limit	-0.1					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.002	0.002	-0.001	-27.08%	0.01%
0	2	0.003	0.004	0.001	39.16%	0.01%
0	3	0.002	0.003	0.001	37.03%	0.01%
0	4	0.003	0.002	-0.001	-22.86%	0.01%
0	5	0.003	0.004	0.002	60.06%	0.02%
10	6	0.003	0.003	0.000	14.52%	0.00%
10	7	0.003	0.001	-0.001	-46.04%	0.01%
10	8	0.003	0.002	-0.001	-47.64%	0.01%
10	9	0.003	0.004	0.001	36.02%	0.01%
10	10	0.004	0.003	-0.001	-20.76%	0.01%
20	11	0.002	1.307	1.305	65348.17%	12.92%
20	12	0.004	2.149	2.145	58233.33%	21.24%
20	13	0.002	1.295	1.293	79690.51%	12.81%
20	14	0.005	0.854	0.849	18249.10%	8.41%
20	15	0.003	1.181	1.178	42892.36%	11.67%
30	16	0.004	60.260	60.256	1708434.17%	596.60%
30	17	0.002	66.160	66.158	3593599.08%	655.03%
30	18	0.003	82.640	82.637	3151692.52%	818.19%
30	19	0.002	75.210	75.208	3129737.70%	744.63%
30	20	0.003	81.700	81.697	2492273.40%	808.88%
31	16a	0.004	3.978	3.974	112687.07%	39.35%
31	17a	0.002	6.060	6.058	329068.93%	59.98%
31	18a	0.003	7.704	7.701	293721.51%	76.25%
31	19a	0.002	7.066	7.064	293949.11%	69.94%
31	20a	0.003	6.417	6.414	195659.61%	63.50%
50	21	0.003	538.700	538.697	20070689.87%	5333.64%
50	22	0.002	516.100	516.098	22046034.13%	5109.88%
50	23	0.003	524.500	524.497	20488181.25%	5193.04%
50	24	0.004	493.400	493.396	13392951.03%	4885.11%
50	25	0.002	0.000	-0.002	-100.00%	0.02%
	Max	0.005	538.700	538.695	22046034.13%	5333.64%
	Average	0.003	82.557	82.554	3052100.51%	817.37%
	Min	0.002	0.000	-0.002	-100.00%	0.00%
	Std Dev	0.001	175.972	175.971	6567049.61%	1742.29%

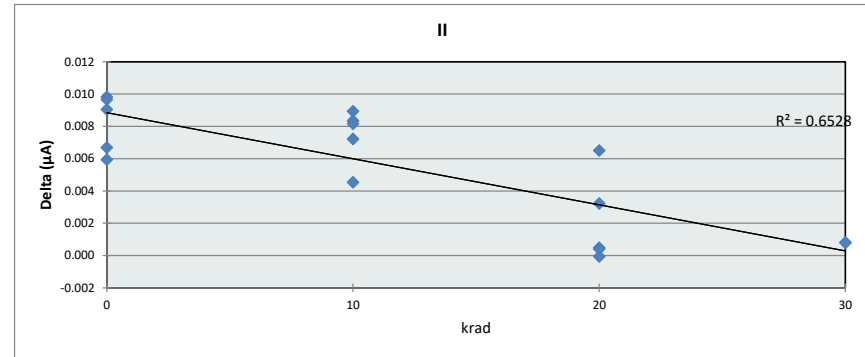


ICC_1P65V						
Units	µA					
Max Limit	10					
Min Limit	-0.1					
krad	0	10	20	30	31	50
LL	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Min	0.002	0.001	0.854	60.260	3.978	0.000
Average	0.003	0.003	1.357	73.194	6.245	414.540
Max	0.004	0.004	2.149	82.640	7.704	538.700
UL	10.000	10.000	10.000	10.000	10.000	10.000

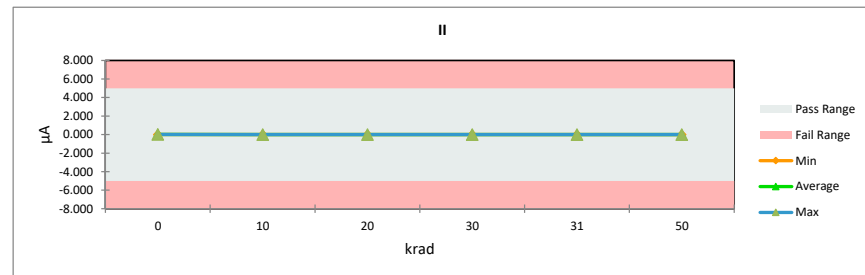


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		II				
Units		μA				
Max Limit		5				
Min Limit		-5				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.006	0.015	0.009	155.50%	0.09%
0	2	0.005	0.015	0.010	182.58%	0.10%
0	3	0.005	0.015	0.010	182.88%	0.10%
0	4	0.005	0.011	0.006	112.98%	0.06%
0	5	0.005	0.012	0.007	124.94%	0.07%
10	6	0.005	0.010	0.005	84.72%	0.05%
10	7	0.005	0.014	0.009	184.24%	0.09%
10	8	0.006	0.013	0.007	124.76%	0.07%
10	9	0.005	0.013	0.008	169.80%	0.08%
10	10	0.005	0.013	0.008	161.97%	0.08%
20	11	0.006	0.009	0.003	55.09%	0.03%
20	12	0.005	0.005	0.000	9.84%	0.00%
20	13	0.006	0.006	0.000	-9.66%	0.00%
20	14	0.005	0.006	0.000	7.93%	0.00%
20	15	0.005	0.012	0.007	127.54%	0.07%
30	16	0.005	0.006	0.001	16.47%	0.01%
30	17	0.005	0.006	0.001	15.67%	0.01%
30	18	0.006	0.007	0.002	28.35%	0.02%
30	19	0.005	0.006	0.001	17.97%	0.01%
30	20	0.006	0.005	-0.001	-9.61%	0.01%
31	16a	0.005	0.005	0.000	8.95%	0.00%
31	17a	0.005	0.005	0.000	-4.79%	0.00%
31	18a	0.006	0.005	-0.001	-9.07%	0.01%
31	19a	0.005	0.005	0.000	-2.23%	0.00%
31	20a	0.006	0.006	0.000	-2.03%	0.00%
50	21	0.006	0.009	0.004	70.42%	0.04%
50	22	0.005	0.006	0.000	7.29%	0.00%
50	23	0.006	0.006	0.000	5.19%	0.00%
50	24	0.005	0.005	0.000	0.15%	0.00%
50	25	0.006	0.000	-0.006	-100.00%	0.06%
	Max	0.006	0.015	0.009	184.24%	0.10%
	Average	0.005	0.008	0.003	57.55%	0.04%
	Min	0.005	0.000	-0.005	-100.00%	0.00%
	Std Dev	0.000	0.004	0.004	76.15%	0.04%

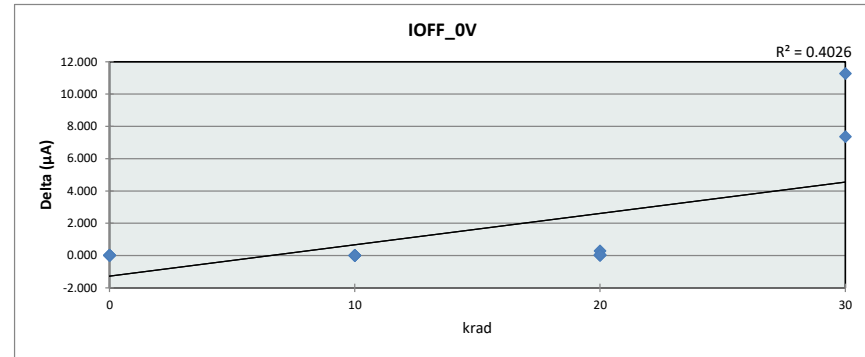


		II					
Units		μA					
Max Limit		5					
Min Limit		-5					
krad		0	10	20	30	31	50
LL		-5.000	-5.000	-5.000	-5.000	-5.000	-5.000
Min		0.011	0.010	0.005	0.005	0.005	0.000
Average		0.014	0.013	0.007	0.006	0.005	0.005
Max		0.015	0.014	0.012	0.007	0.006	0.009
UL		5.000	5.000	5.000	5.000	5.000	5.000

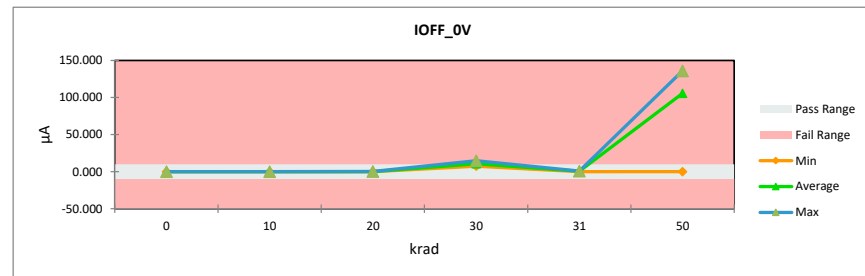


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		IOFF_OV				
Units		μA				
Max Limit		10				
Min Limit		-10				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.006	0.015	0.009	153.52%	0.05%
0	2	0.006	0.016	0.010	162.99%	0.05%
0	3	0.006	0.011	0.005	85.33%	0.03%
0	4	0.006	0.011	0.005	81.24%	0.02%
0	5	0.005	0.015	0.010	193.70%	0.05%
10	6	0.006	0.014	0.008	140.84%	0.04%
10	7	0.006	0.014	0.008	133.92%	0.04%
10	8	0.006	0.014	0.008	151.74%	0.04%
10	9	0.006	0.014	0.008	123.92%	0.04%
10	10	0.006	0.014	0.008	129.74%	0.04%
20	11	0.006	0.022	0.016	266.51%	0.08%
20	12	0.006	0.041	0.035	556.69%	0.18%
20	13	0.006	0.286	0.280	4901.75%	1.40%
20	14	0.006	0.026	0.020	329.57%	0.10%
20	15	0.006	0.050	0.045	766.06%	0.22%
30	16	0.005	7.369	7.364	136110.72%	36.82%
30	17	0.006	11.270	11.264	183809.92%	56.32%
30	18	0.005	8.110	8.105	152458.31%	40.52%
30	19	0.006	14.780	14.774	230549.19%	73.87%
30	20	0.006	12.230	12.224	200523.36%	61.12%
31	16a	0.005	0.055	0.049	914.42%	0.25%
31	17a	0.006	0.302	0.296	4826.57%	1.48%
31	18a	0.005	0.408	0.403	7576.82%	2.01%
31	19a	0.006	0.785	0.778	12147.19%	3.89%
31	20a	0.006	0.508	0.502	8228.41%	2.51%
50	21	0.006	136.100	136.094	2327589.41%	680.47%
50	22	0.006	126.800	126.794	2203967.44%	633.97%
50	23	0.006	129.800	129.794	2196549.18%	648.97%
50	24	0.006	135.600	135.594	2449764.50%	677.97%
50	25	0.006	0.000	-0.006	-100.00%	0.03%
	Max	0.006	136.100	136.094	2449764.50%	680.47%
	Average	0.006	19.489	19.483	337436.43%	97.42%
	Min	0.005	0.000	-0.005	-100.00%	0.02%
	Std Dev	0.000	45.127	45.127	784651.46%	225.64%

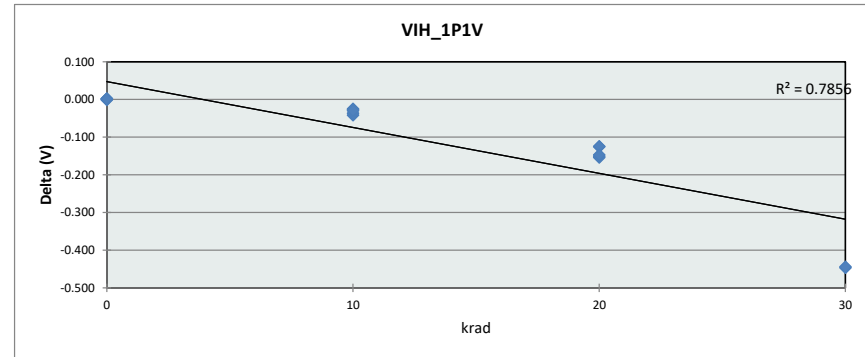


		IOFF_OV					
Units		μA					
Max Limit		10					
Min Limit		-10					
krad		0	10	20	30	31	50
LL		-10.000	-10.000	-10.000	-10.000	-10.000	-10.000
Min		0.011	0.014	0.022	7.369	0.055	0.000
Average		0.014	0.014	0.085	10.752	0.411	105.660
Max		0.016	0.014	0.286	14.780	0.785	136.100
UL		10.000	10.000	10.000	10.000	10.000	10.000

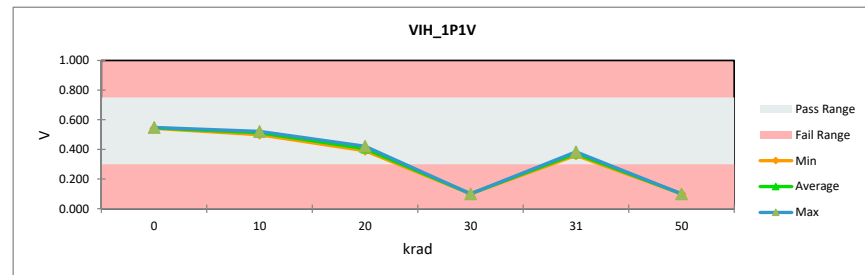


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		VIH_1P1V				
Units		V				
Max Limit		0.75				
Min Limit		0.3				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.542	0.543	0.001	0.10%	0.12%
0	2	0.543	0.542	-0.001	-0.20%	0.24%
0	3	0.547	0.548	0.001	0.20%	0.24%
0	4	0.544	0.546	0.002	0.40%	0.49%
0	5	0.546	0.548	0.001	0.20%	0.24%
10	6	0.543	0.518	-0.025	-4.63%	5.58%
10	7	0.549	0.521	-0.027	-4.97%	6.06%
10	8	0.542	0.500	-0.042	-7.76%	9.34%
10	9	0.541	0.504	-0.037	-6.76%	8.13%
10	10	0.546	0.516	-0.030	-5.49%	6.67%
20	11	0.544	0.418	-0.126	-23.09%	27.90%
20	12	0.544	0.390	-0.154	-28.28%	34.20%
20	13	0.547	0.396	-0.151	-27.54%	33.47%
20	14	0.546	0.421	-0.124	-22.79%	27.65%
20	15	0.547	0.400	-0.147	-26.94%	32.75%
30	16	0.548	0.101	-0.447	-81.64%	99.33%
30	17	0.545	0.101	-0.444	-81.54%	98.73%
30	18	0.548	0.101	-0.447	-81.64%	99.33%
30	19	0.543	0.101	-0.442	-81.47%	98.24%
30	20	0.548	0.101	-0.447	-81.64%	99.33%
31	16a	0.548	0.384	-0.164	-29.90%	36.39%
31	17a	0.545	0.367	-0.177	-32.56%	39.42%
31	18a	0.548	0.368	-0.180	-32.79%	39.90%
31	19a	0.543	0.360	-0.182	-33.59%	40.51%
31	20a	0.548	0.377	-0.171	-31.20%	37.96%
50	21	0.548	0.101	-0.447	-81.64%	99.33%
50	22	0.544	0.101	-0.444	-81.53%	98.61%
50	23	0.543	0.101	-0.443	-81.49%	98.36%
50	24	0.544	0.101	-0.444	-81.53%	98.61%
50	25	0.548	0.101	-0.447	-81.64%	99.33%
Max		0.549	0.548	-0.001	0.40%	99.33%
Average		0.545	0.339	-0.206	-37.78%	45.88%
Min		0.541	0.101	-0.440	-81.64%	0.12%
Std Dev		0.002	0.182	0.180	33.41%	40.44%

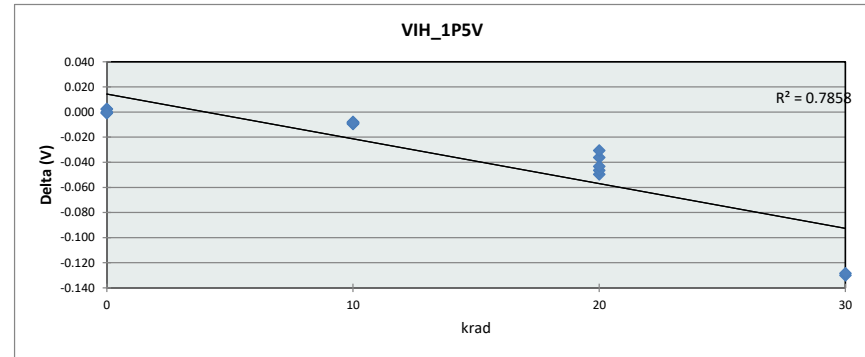


		VIH_1P1V				
Units		V				
Max Limit		0.75				
Min Limit		0.3				
krad	0	10	20	30	31	50
LL	0.300	0.300	0.300	0.300	0.300	0.300
Min	0.542	0.500	0.390	0.101	0.360	0.101
Average	0.545	0.512	0.405	0.101	0.371	0.101
Max	0.548	0.521	0.421	0.101	0.384	0.101
UL	0.750	0.750	0.750	0.750	0.750	0.750

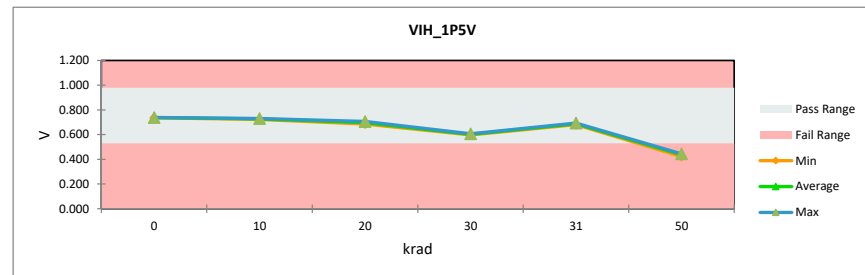


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		VIH_1P5V				
Units		V				
Max Limit		0.98				
Min Limit		0.53				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.735	0.738	0.002	0.32%	0.53%
0	2	0.735	0.737	0.002	0.32%	0.53%
0	3	0.739	0.739	0.000	0.00%	0.00%
0	4	0.737	0.736	-0.001	-0.11%	0.18%
0	5	0.739	0.739	-0.001	-0.11%	0.18%
10	6	0.735	0.728	-0.008	-1.07%	1.75%
10	7	0.739	0.731	-0.009	-1.17%	1.93%
10	8	0.731	0.722	-0.009	-1.29%	2.10%
10	9	0.732	0.724	-0.009	-1.18%	1.93%
10	10	0.737	0.728	-0.009	-1.18%	1.93%
20	11	0.737	0.701	-0.036	-4.92%	8.06%
20	12	0.735	0.686	-0.050	-6.75%	11.04%
20	13	0.739	0.693	-0.047	-6.29%	10.34%
20	14	0.738	0.707	-0.031	-4.17%	6.83%
20	15	0.739	0.695	-0.043	-5.87%	9.64%
30	16	0.737	0.607	-0.130	-17.65%	28.91%
30	17	0.735	0.606	-0.129	-17.49%	28.56%
30	18	0.738	0.599	-0.139	-18.81%	30.83%
30	19	0.735	0.597	-0.139	-18.87%	30.83%
30	20	0.738	0.597	-0.140	-19.02%	31.18%
31	16a	0.737	0.694	-0.043	-5.88%	9.64%
31	17a	0.735	0.684	-0.050	-6.87%	11.21%
31	18a	0.738	0.685	-0.053	-7.16%	11.74%
31	19a	0.735	0.680	-0.055	-7.50%	12.26%
31	20a	0.738	0.690	-0.047	-6.41%	10.51%
50	21	0.738	0.445	-0.293	-39.75%	65.17%
50	22	0.736	0.422	-0.314	-42.62%	69.73%
50	23	0.736	0.442	-0.294	-39.94%	65.35%
50	24	0.735	0.435	-0.300	-40.78%	66.57%
50	25	0.739	0.443	-0.296	-40.03%	65.70%
Max		0.739	0.739	-0.001	0.32%	69.73%
Average		0.737	0.648	-0.089	-12.08%	19.84%
Min		0.731	0.422	-0.309	-42.62%	0.00%
Std Dev		0.002	0.106	0.104	14.35%	23.43%

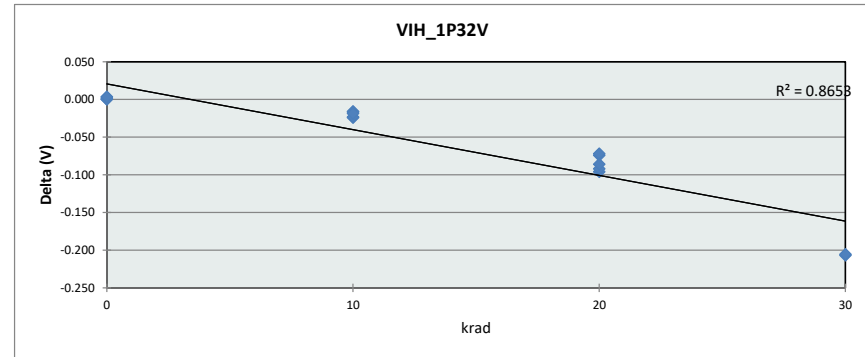


		VIH_1P5V							
Units		V							
Max Limit		0.98							
Min Limit		0.53							
krad	0	10	20	30	31	50			
LL	0.530	0.530	0.530	0.530	0.530	0.530			
Min	0.736	0.722	0.686	0.597	0.680	0.422			
Average	0.738	0.726	0.696	0.601	0.687	0.437			
Max	0.739	0.731	0.707	0.607	0.694	0.445			
UL	0.980	0.980	0.980	0.980	0.980	0.980			

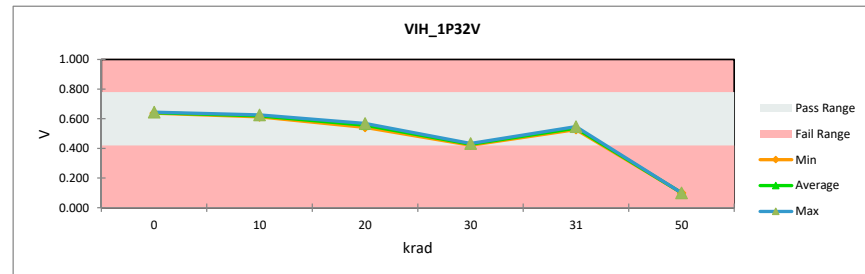


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		VIH_1P32V				
Units		V				
Max Limit		0.78				
Min Limit		0.42				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.638	0.638	0.001	0.10%	0.19%
0	2	0.637	0.638	0.001	0.10%	0.19%
0	3	0.641	0.644	0.003	0.52%	0.93%
0	4	0.640	0.640	0.000	0.00%	0.00%
0	5	0.641	0.644	0.003	0.52%	0.93%
10	6	0.639	0.623	-0.016	-2.51%	4.45%
10	7	0.643	0.626	-0.017	-2.59%	4.63%
10	8	0.636	0.612	-0.024	-3.77%	6.67%
10	9	0.637	0.614	-0.023	-3.67%	6.49%
10	10	0.641	0.622	-0.019	-2.91%	5.19%
20	11	0.640	0.566	-0.074	-11.56%	20.57%
20	12	0.638	0.542	-0.096	-15.05%	26.68%
20	13	0.642	0.550	-0.092	-14.35%	25.57%
20	14	0.641	0.569	-0.072	-11.24%	20.01%
20	15	0.641	0.555	-0.086	-13.42%	23.90%
30	16	0.640	0.434	-0.207	-32.29%	57.44%
30	17	0.638	0.433	-0.205	-32.19%	57.07%
30	18	0.642	0.424	-0.218	-33.96%	60.59%
30	19	0.637	0.421	-0.216	-33.93%	60.04%
30	20	0.642	0.426	-0.217	-33.75%	60.22%
31	16a	0.640	0.547	-0.093	-14.58%	25.94%
31	17a	0.638	0.534	-0.105	-16.41%	29.09%
31	18a	0.642	0.534	-0.109	-16.93%	30.20%
31	19a	0.637	0.527	-0.110	-17.28%	30.57%
31	20a	0.642	0.542	-0.101	-15.68%	27.98%
50	21	0.640	0.101	-0.540	-84.28%	149.91%
50	22	0.639	0.101	-0.538	-84.25%	149.54%
50	23	0.640	0.101	-0.539	-84.26%	149.72%
50	24	0.638	0.101	-0.538	-84.23%	149.35%
50	25	0.642	0.101	-0.542	-84.33%	150.46%
Max		0.643	0.644	0.001	0.52%	150.46%
Average		0.640	0.480	-0.160	-24.94%	44.48%
Min		0.636	0.101	-0.536	-84.33%	0.00%
Std Dev		0.002	0.186	0.184	29.13%	51.65%

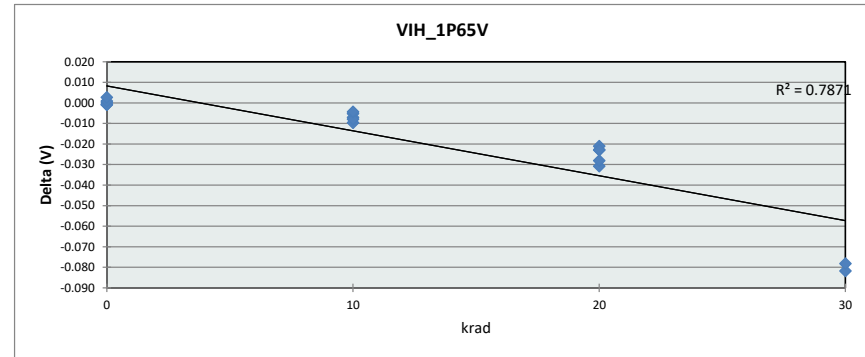


		VIH_1P32V							
Units		V							
Max Limit		0.78							
Min Limit		0.42							
krad	0	10	20	30	31	50			
LL	0.420	0.420	0.420	0.420	0.420	0.420			
Min	0.638	0.612	0.542	0.421	0.527	0.101			
Average	0.641	0.620	0.556	0.427	0.537	0.101			
Max	0.644	0.626	0.569	0.434	0.547	0.101			
UL	0.780	0.780	0.780	0.780	0.780	0.780			

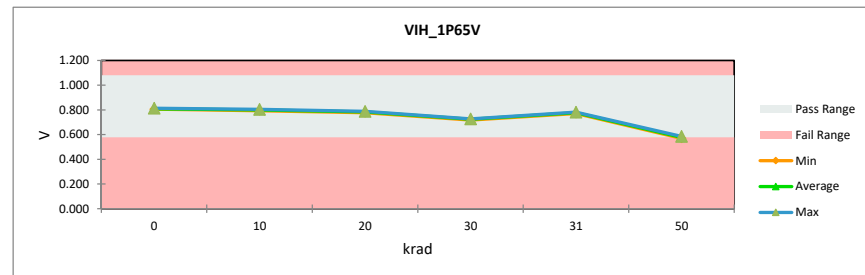


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		VIH_1P65V				
Units		V				
Max Limit		1.08				
Min Limit		0.578				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.807	0.806	-0.001	-0.11%	0.18%
0	2	0.806	0.806	0.000	0.00%	0.00%
0	3	0.810	0.809	-0.001	-0.11%	0.18%
0	4	0.807	0.808	0.001	0.11%	0.18%
0	5	0.810	0.813	0.003	0.33%	0.53%
10	6	0.805	0.800	-0.005	-0.66%	1.05%
10	7	0.811	0.804	-0.007	-0.87%	1.40%
10	8	0.803	0.794	-0.010	-1.20%	1.93%
10	9	0.804	0.796	-0.008	-0.98%	1.58%
10	10	0.807	0.803	-0.004	-0.54%	0.88%
20	11	0.809	0.786	-0.023	-2.83%	4.55%
20	12	0.807	0.776	-0.031	-3.81%	6.13%
20	13	0.810	0.782	-0.028	-3.47%	5.61%
20	14	0.809	0.788	-0.021	-2.61%	4.20%
20	15	0.809	0.786	-0.023	-2.83%	4.55%
30	16	0.808	0.726	-0.082	-10.12%	16.29%
30	17	0.806	0.728	-0.078	-9.71%	15.59%
30	18	0.810	0.723	-0.087	-10.75%	17.34%
30	19	0.805	0.717	-0.088	-10.92%	17.52%
30	20	0.808	0.723	-0.085	-10.56%	16.99%
31	16a	0.808	0.781	-0.026	-3.27%	5.25%
31	17a	0.806	0.775	-0.031	-3.82%	6.13%
31	18a	0.810	0.778	-0.032	-3.91%	6.31%
31	19a	0.805	0.771	-0.034	-4.26%	6.83%
31	20a	0.808	0.778	-0.030	-3.70%	5.96%
50	21	0.809	0.579	-0.230	-28.38%	45.72%
50	22	0.806	0.570	-0.237	-29.34%	47.12%
50	23	0.810	0.573	-0.237	-29.22%	47.12%
50	24	0.804	0.579	-0.225	-27.99%	44.84%
50	25	0.809	0.585	-0.223	-27.62%	44.49%
Max		0.811	0.813	0.002	0.33%	47.12%
Average		0.808	0.745	-0.063	-7.77%	12.55%
Min		0.803	0.570	-0.234	-29.34%	0.00%
Std Dev		0.002	0.081	0.079	10.04%	16.11%

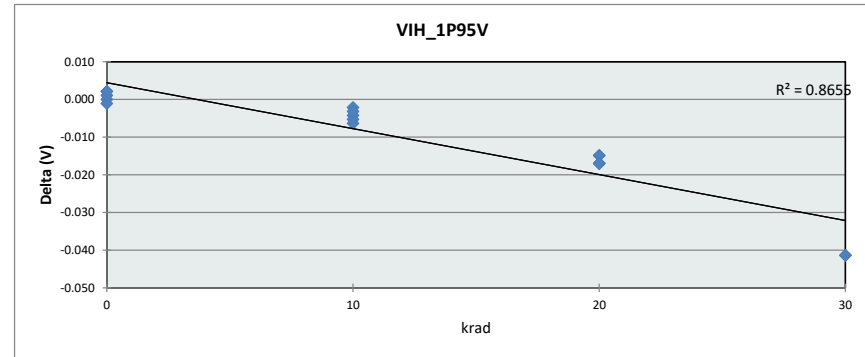


		VIH_1P65V				
Units		V				
Max Limit		1.08				
Min Limit		0.578				
krad	0	10	20	30	31	50
LL	0.578	0.578	0.578	0.578	0.578	0.578
Min	0.806	0.794	0.776	0.717	0.771	0.570
Average	0.808	0.799	0.784	0.723	0.777	0.577
Max	0.813	0.804	0.788	0.728	0.781	0.585
UL	1.080	1.080	1.080	1.080	1.080	1.080

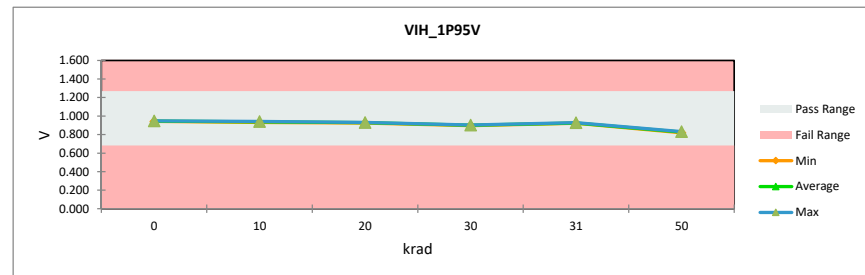


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		VIH_1P95V				
Units		V				
Max Limit		1.27				
Min Limit		0.683				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.943	0.945	0.002	0.23%	0.36%
0	2	0.943	0.943	0.000	0.00%	0.00%
0	3	0.946	0.945	-0.001	-0.11%	0.18%
0	4	0.945	0.946	0.001	0.11%	0.18%
0	5	0.946	0.948	0.002	0.22%	0.36%
10	6	0.942	0.939	-0.002	-0.23%	0.36%
10	7	0.947	0.943	-0.004	-0.45%	0.72%
10	8	0.937	0.932	-0.005	-0.57%	0.90%
10	9	0.941	0.934	-0.006	-0.68%	1.08%
10	10	0.944	0.941	-0.003	-0.34%	0.54%
20	11	0.944	0.929	-0.015	-1.57%	2.53%
20	12	0.942	0.925	-0.017	-1.80%	2.89%
20	13	0.946	0.929	-0.017	-1.80%	2.89%
20	14	0.946	0.931	-0.015	-1.57%	2.53%
20	15	0.945	0.928	-0.017	-1.80%	2.89%
30	16	0.945	0.903	-0.041	-4.38%	7.05%
30	17	0.942	0.900	-0.041	-4.40%	7.05%
30	18	0.945	0.900	-0.045	-4.72%	7.59%
30	19	0.941	0.897	-0.044	-4.63%	7.41%
30	20	0.945	0.900	-0.045	-4.72%	7.59%
31	16a	0.945	0.929	-0.016	-1.68%	2.71%
31	17a	0.942	0.925	-0.017	-1.80%	2.89%
31	18a	0.945	0.926	-0.019	-2.02%	3.25%
31	19a	0.941	0.922	-0.018	-1.92%	3.07%
31	20a	0.945	0.927	-0.018	-1.91%	3.07%
50	21	0.944	0.830	-0.114	-12.03%	19.34%
50	22	0.941	0.820	-0.121	-12.86%	20.61%
50	23	0.945	0.828	-0.117	-12.36%	19.89%
50	24	0.939	0.824	-0.116	-12.31%	19.71%
50	25	0.945	0.832	-0.112	-11.91%	19.16%
Max		0.947	0.948	0.001	0.23%	20.61%
Average		0.943	0.911	-0.033	-3.47%	5.63%
Min		0.937	0.820	-0.118	-12.86%	0.00%
Std Dev		0.002	0.041	0.039	4.29%	6.84%

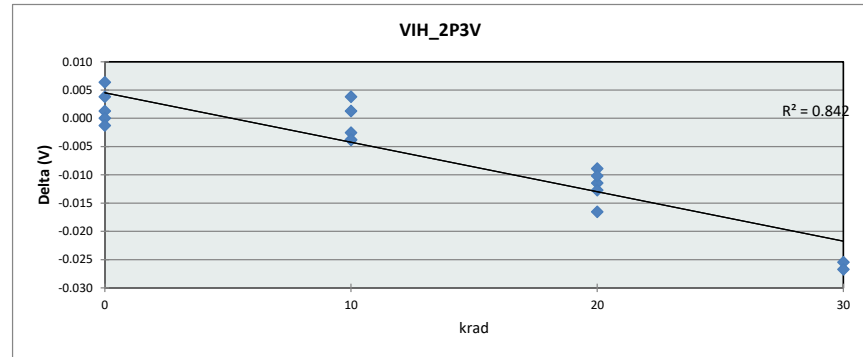


		VIH_1P95V					
Units		V					
Max Limit		1.27					
Min Limit		0.683					
krad		0	10	20	30	31	50
LL		0.683	0.683	0.683	0.683	0.683	0.683
Min		0.943	0.932	0.925	0.897	0.922	0.820
Average		0.945	0.938	0.928	0.900	0.926	0.827
Max		0.948	0.943	0.931	0.903	0.929	0.832
UL		1.270	1.270	1.270	1.270	1.270	1.270

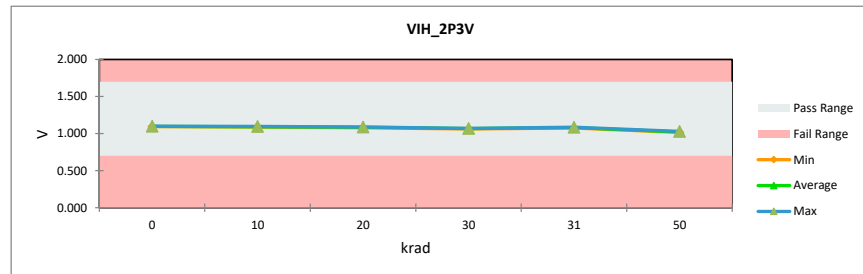


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		VIH_2P3V				
Units		V				
Max Limit		1.7				
Min Limit		0.7				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.093	1.100	0.006	0.58%	0.64%
0	2	1.091	1.095	0.004	0.35%	0.38%
0	3	1.096	1.097	0.001	0.12%	0.13%
0	4	1.098	1.098	0.000	0.00%	0.00%
0	5	1.098	1.097	-0.001	-0.12%	0.13%
10	6	1.092	1.090	-0.003	-0.23%	0.25%
10	7	1.100	1.096	-0.004	-0.35%	0.38%
10	8	1.088	1.092	0.004	0.35%	0.38%
10	9	1.091	1.092	0.001	0.12%	0.13%
10	10	1.095	1.091	-0.004	-0.35%	0.38%
20	11	1.097	1.086	-0.011	-1.04%	1.15%
20	12	1.096	1.079	-0.017	-1.51%	1.66%
20	13	1.097	1.088	-0.009	-0.81%	0.89%
20	14	1.098	1.088	-0.010	-0.93%	1.02%
20	15	1.097	1.084	-0.013	-1.16%	1.27%
30	16	1.096	1.070	-0.025	-2.32%	2.55%
30	17	1.093	1.067	-0.027	-2.45%	2.67%
30	18	1.100	1.067	-0.033	-3.01%	3.31%
30	19	1.091	1.061	-0.029	-2.69%	2.93%
30	20	1.100	1.068	-0.032	-2.90%	3.18%
31	16a	1.096	1.086	-0.010	-0.93%	1.02%
31	17a	1.093	1.083	-0.010	-0.93%	1.02%
31	18a	1.100	1.079	-0.020	-1.85%	2.04%
31	19a	1.091	1.076	-0.015	-1.40%	1.53%
31	20a	1.100	1.084	-0.015	-1.39%	1.53%
50	21	1.097	1.030	-0.067	-6.15%	6.75%
50	22	1.091	1.016	-0.075	-6.89%	7.51%
50	23	1.098	1.021	-0.078	-7.07%	7.77%
50	24	1.090	1.018	-0.071	-6.55%	7.13%
50	25	1.093	1.023	-0.070	-6.41%	7.00%
	Max	1.100	1.100	0.000	0.58%	7.77%
	Average	1.095	1.074	-0.021	-1.93%	2.22%
	Min	1.088	1.016	-0.073	-7.07%	0.00%
	Std Dev	0.004	0.026	0.022	2.35%	2.47%

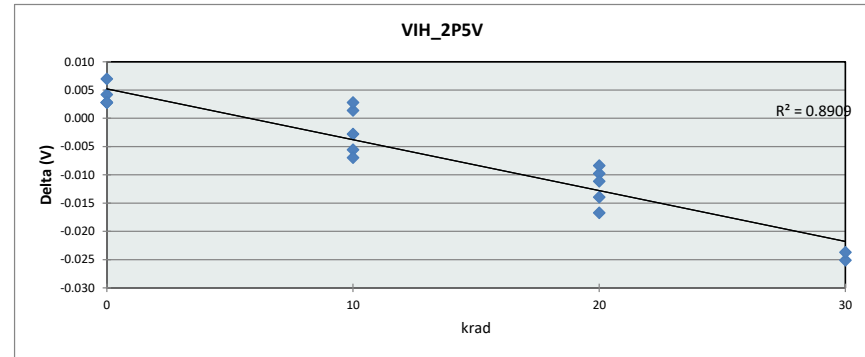


		VIH_2P3V				
Units		V				
Max Limit		1.7				
Min Limit		0.7				
krad	0	10	20	30	31	50
LL	0.700	0.700	0.700	0.700	0.700	0.700
Min	1.095	1.090	1.079	1.061	1.076	1.016
Average	1.097	1.092	1.085	1.067	1.082	1.022
Max	1.100	1.096	1.088	1.070	1.086	1.030
UL	1.700	1.700	1.700	1.700	1.700	1.700

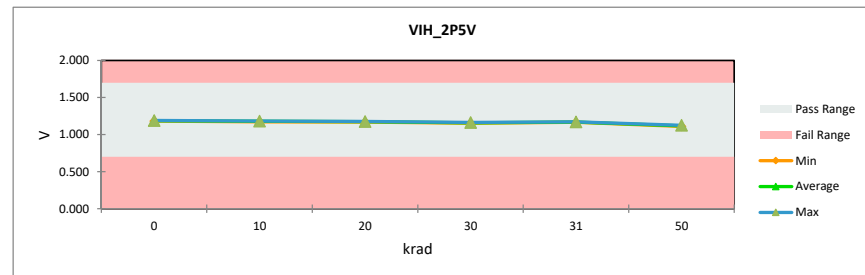


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		VIH_2P5V				
Units		V				
Max Limit		1.7				
Min Limit		0.7				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.181	1.188	0.007	0.59%	0.70%
0	2	1.180	1.182	0.003	0.24%	0.28%
0	3	1.181	1.185	0.004	0.35%	0.42%
0	4	1.188	1.191	0.003	0.23%	0.28%
0	5	1.188	1.191	0.003	0.23%	0.28%
10	6	1.178	1.180	0.001	0.12%	0.14%
10	7	1.189	1.184	-0.006	-0.47%	0.56%
10	8	1.178	1.171	-0.007	-0.59%	0.70%
10	9	1.178	1.175	-0.003	-0.24%	0.28%
10	10	1.181	1.184	0.003	0.24%	0.28%
20	11	1.184	1.174	-0.010	-0.82%	0.98%
20	12	1.184	1.170	-0.014	-1.18%	1.39%
20	13	1.187	1.178	-0.008	-0.71%	0.84%
20	14	1.187	1.175	-0.011	-0.94%	1.12%
20	15	1.187	1.170	-0.017	-1.41%	1.67%
30	16	1.188	1.163	-0.025	-2.11%	2.51%
30	17	1.182	1.159	-0.024	-2.01%	2.37%
30	18	1.187	1.154	-0.032	-2.70%	3.21%
30	19	1.181	1.153	-0.028	-2.36%	2.79%
30	20	1.182	1.159	-0.024	-2.01%	2.37%
31	16a	1.188	1.171	-0.017	-1.41%	1.67%
31	17a	1.182	1.168	-0.014	-1.18%	1.39%
31	18a	1.187	1.171	-0.015	-1.29%	1.53%
31	19a	1.181	1.167	-0.014	-1.18%	1.39%
31	20a	1.182	1.173	-0.010	-0.83%	0.98%
50	21	1.188	1.125	-0.063	-5.28%	6.28%
50	22	1.181	1.110	-0.071	-6.02%	7.11%
50	23	1.184	1.118	-0.066	-5.54%	6.56%
50	24	1.180	1.113	-0.067	-5.68%	6.69%
50	25	1.184	1.121	-0.063	-5.30%	6.28%
Max		1.189	1.191	0.001	0.59%	7.11%
Average		1.184	1.164	-0.019	-1.64%	2.10%
Min		1.178	1.110	-0.068	-6.02%	0.14%
Std Dev		0.003	0.023	0.020	1.98%	2.20%

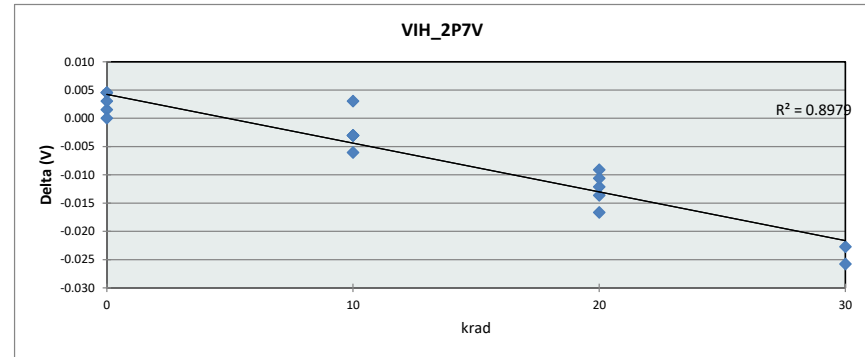


		VIH_2P5V							
Units		V							
Max Limit		1.7							
Min Limit		0.7							
krad	0	10	20	30	31	50			
LL	0.700	0.700	0.700	0.700	0.700	0.700			
Min	1.182	1.171	1.170	1.153	1.167	1.110			
Average	1.187	1.179	1.173	1.158	1.170	1.117			
Max	1.191	1.184	1.178	1.163	1.173	1.125			
UL	1.700	1.700	1.700	1.700	1.700	1.700			

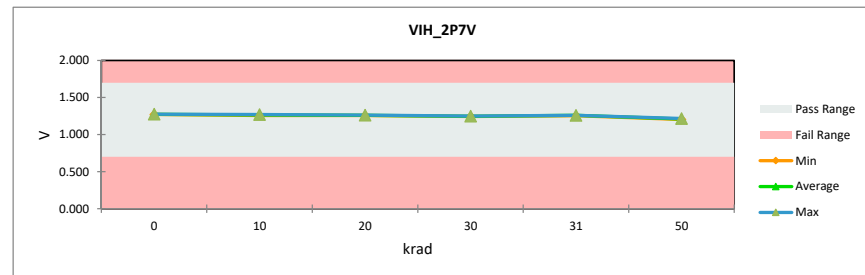


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		VIH_2P7V				
Units		V				
Max Limit		1.7				
Min Limit		0.7				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.270	1.272	0.002	0.12%	0.15%
0	2	1.267	1.272	0.005	0.36%	0.45%
0	3	1.273	1.273	0.000	0.00%	0.00%
0	4	1.272	1.275	0.003	0.24%	0.30%
0	5	1.269	1.273	0.005	0.36%	0.45%
10	6	1.267	1.264	-0.003	-0.24%	0.30%
10	7	1.275	1.272	-0.003	-0.24%	0.30%
10	8	1.264	1.258	-0.006	-0.48%	0.61%
10	9	1.269	1.266	-0.003	-0.24%	0.30%
10	10	1.269	1.272	0.003	0.24%	0.30%
20	11	1.270	1.261	-0.009	-0.72%	0.91%
20	12	1.275	1.258	-0.017	-1.31%	1.67%
20	13	1.275	1.263	-0.012	-0.95%	1.21%
20	14	1.275	1.261	-0.014	-1.07%	1.36%
20	15	1.272	1.261	-0.011	-0.83%	1.06%
30	16	1.272	1.249	-0.023	-1.79%	2.27%
30	17	1.272	1.246	-0.026	-2.03%	2.58%
30	18	1.275	1.248	-0.027	-2.14%	2.73%
30	19	1.266	1.245	-0.021	-1.68%	2.12%
30	20	1.273	1.248	-0.026	-2.02%	2.58%
31	16a	1.272	1.261	-0.011	-0.83%	1.06%
31	17a	1.272	1.260	-0.012	-0.95%	1.21%
31	18a	1.275	1.258	-0.017	-1.31%	1.67%
31	19a	1.266	1.254	-0.012	-0.96%	1.21%
31	20a	1.273	1.261	-0.012	-0.95%	1.21%
50	21	1.275	1.217	-0.058	-4.52%	5.76%
50	22	1.269	1.204	-0.065	-5.14%	6.52%
50	23	1.273	1.211	-0.062	-4.88%	6.22%
50	24	1.267	1.207	-0.061	-4.78%	6.06%
50	25	1.273	1.213	-0.061	-4.76%	6.06%
	Max	1.275	1.275	0.000	0.36%	6.52%
	Average	1.271	1.253	-0.018	-1.45%	1.96%
	Min	1.264	1.204	-0.061	-5.14%	0.00%
	Std Dev	0.003	0.021	0.018	1.69%	2.04%

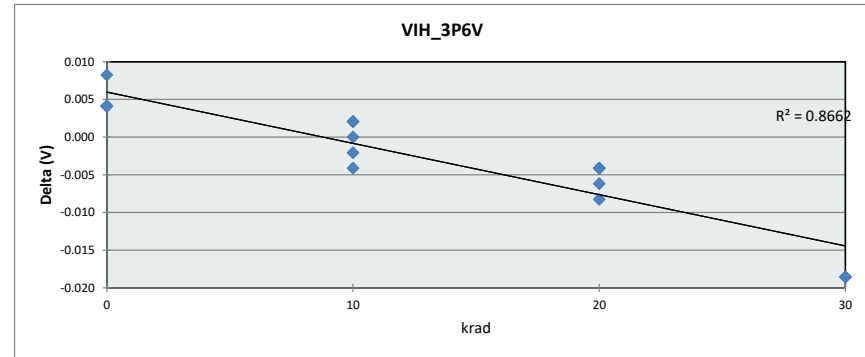


		VIH_2P7V				
Units		V				
Max Limit		1.7				
Min Limit		0.7				
krad	0	10	20	30	31	50
LL	0.700	0.700	0.700	0.700	0.700	0.700
Min	1.272	1.258	1.258	1.245	1.254	1.204
Average	1.273	1.266	1.261	1.247	1.259	1.210
Max	1.275	1.272	1.263	1.249	1.261	1.217
UL	1.700	1.700	1.700	1.700	1.700	1.700

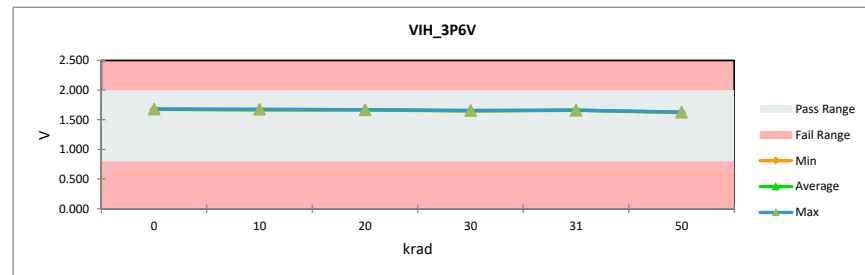


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		VIH_3P6V				
Units		V				
Max Limit		2				
Min Limit		0.8				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.675	1.679	0.004	0.25%	0.34%
0	2	1.671	1.675	0.004	0.25%	0.34%
0	3	1.673	1.677	0.004	0.25%	0.34%
0	4	1.675	1.679	0.004	0.25%	0.34%
0	5	1.673	1.681	0.008	0.49%	0.69%
10	6	1.669	1.667	-0.002	-0.12%	0.17%
10	7	1.675	1.677	0.002	0.12%	0.17%
10	8	1.665	1.665	0.000	0.00%	0.00%
10	9	1.669	1.665	-0.004	-0.25%	0.34%
10	10	1.673	1.675	0.002	0.12%	0.17%
20	11	1.675	1.669	-0.006	-0.37%	0.52%
20	12	1.675	1.667	-0.008	-0.49%	0.69%
20	13	1.673	1.669	-0.004	-0.25%	0.34%
20	14	1.673	1.669	-0.004	-0.25%	0.34%
20	15	1.671	1.667	-0.004	-0.25%	0.34%
30	16	1.675	1.657	-0.019	-1.11%	1.55%
30	17	1.677	1.659	-0.019	-1.11%	1.55%
30	18	1.673	1.653	-0.021	-1.23%	1.72%
30	19	1.671	1.646	-0.025	-1.48%	2.06%
30	20	1.677	1.653	-0.025	-1.48%	2.06%
31	16a	1.675	1.663	-0.012	-0.74%	1.03%
31	17a	1.677	1.663	-0.014	-0.86%	1.20%
31	18a	1.673	1.659	-0.014	-0.86%	1.20%
31	19a	1.671	1.659	-0.012	-0.74%	1.03%
31	20a	1.677	1.661	-0.016	-0.98%	1.37%
50	21	1.677	1.630	-0.047	-2.83%	3.95%
50	22	1.669	1.622	-0.047	-2.84%	3.95%
50	23	1.673	1.628	-0.045	-2.71%	3.78%
50	24	1.669	1.620	-0.049	-2.96%	4.12%
50	25	1.677	1.630	-0.047	-2.83%	3.95%
Max		1.677	1.681	0.004	0.49%	4.12%
Average		1.673	1.659	-0.014	-0.83%	1.32%
Min		1.665	1.620	-0.045	-2.96%	0.00%
Std Dev		0.003	0.018	0.014	1.06%	1.33%

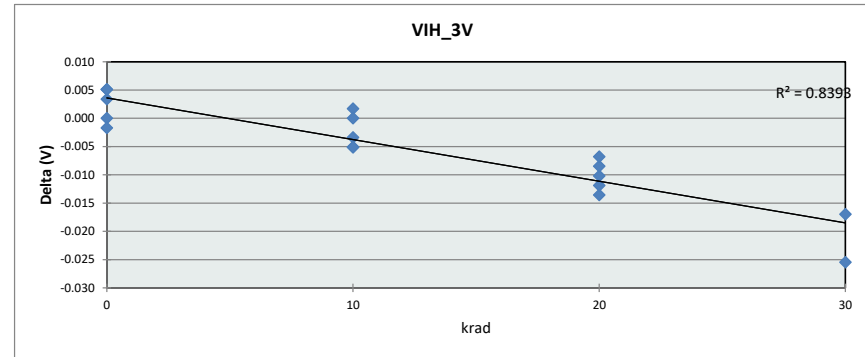


		VIH_3P6V				
Units		V				
Max Limit		2				
Min Limit		0.8				
krad	0	10	20	30	31	50
LL	0.800	0.800	0.800	0.800	0.800	0.800
Min	1.675	1.665	1.667	1.646	1.659	1.620
Average	1.679	1.670	1.668	1.653	1.661	1.626
Max	1.681	1.677	1.669	1.659	1.663	1.630
UL	2.000	2.000	2.000	2.000	2.000	2.000

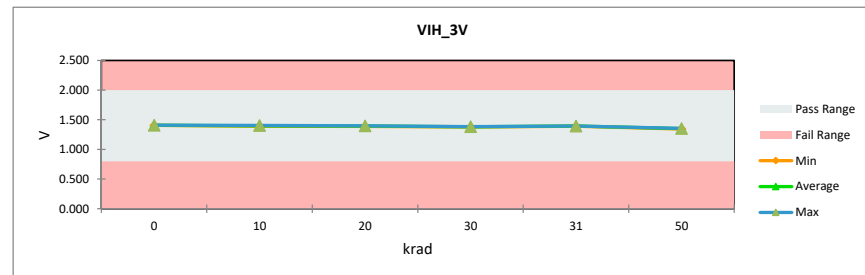


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		VIH_3V				
Units		V				
Max Limit		2				
Min Limit		0.8				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.402	1.406	0.003	0.24%	0.28%
0	2	1.401	1.406	0.005	0.36%	0.42%
0	3	1.407	1.407	0.000	0.00%	0.00%
0	4	1.409	1.407	-0.002	-0.12%	0.14%
0	5	1.404	1.409	0.005	0.36%	0.42%
10	6	1.401	1.397	-0.003	-0.24%	0.28%
10	7	1.404	1.406	0.002	0.12%	0.14%
10	8	1.397	1.392	-0.005	-0.36%	0.42%
10	9	1.404	1.399	-0.005	-0.36%	0.42%
10	10	1.402	1.402	0.000	0.00%	0.00%
20	11	1.402	1.392	-0.010	-0.73%	0.85%
20	12	1.402	1.389	-0.014	-0.97%	1.13%
20	13	1.406	1.397	-0.008	-0.60%	0.71%
20	14	1.404	1.397	-0.007	-0.48%	0.57%
20	15	1.404	1.392	-0.012	-0.85%	0.99%
30	16	1.409	1.384	-0.025	-1.81%	2.12%
30	17	1.402	1.385	-0.017	-1.21%	1.42%
30	18	1.401	1.382	-0.019	-1.33%	1.56%
30	19	1.397	1.379	-0.019	-1.34%	1.56%
30	20	1.402	1.379	-0.024	-1.70%	1.98%
31	16a	1.409	1.396	-0.014	-0.96%	1.13%
31	17a	1.402	1.396	-0.007	-0.48%	0.57%
31	18a	1.401	1.390	-0.010	-0.73%	0.85%
31	19a	1.397	1.390	-0.007	-0.49%	0.57%
31	20a	1.402	1.392	-0.010	-0.73%	0.85%
50	21	1.407	1.353	-0.054	-3.86%	4.53%
50	22	1.397	1.343	-0.054	-3.89%	4.53%
50	23	1.402	1.353	-0.049	-3.51%	4.10%
50	24	1.399	1.348	-0.051	-3.64%	4.25%
50	25	1.407	1.355	-0.053	-3.74%	4.39%
Max		1.409	1.409	0.000	0.36%	4.53%
Average		1.403	1.387	-0.015	-1.10%	1.37%
Min		1.397	1.343	-0.054	-3.89%	0.00%
Std Dev		0.004	0.019	0.015	1.32%	1.46%

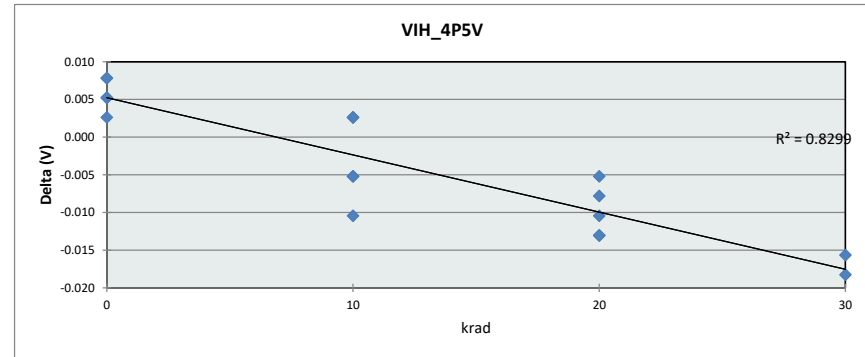


		VIH_3V				
Units		V				
Max Limit		2				
Min Limit		0.8				
krad	0	10	20	30	31	50
LL	0.800	0.800	0.800	0.800	0.800	0.800
Min	1.406	1.392	1.389	1.379	1.390	1.343
Average	1.407	1.399	1.394	1.382	1.393	1.350
Max	1.409	1.406	1.397	1.385	1.396	1.355
UL	2.000	2.000	2.000	2.000	2.000	2.000

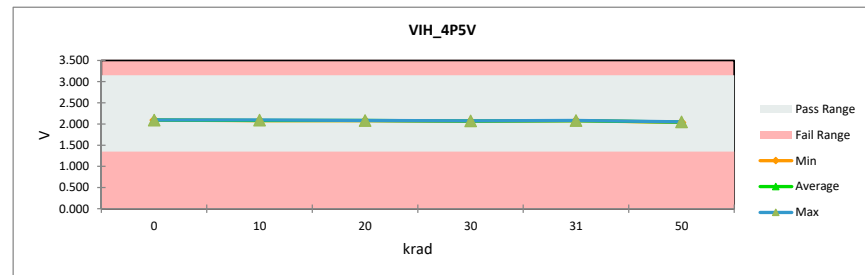


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		VIH_4P5V				
		V				
		3.15				
		1.35				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.087	2.095	0.008	0.37%	0.43%
0	2	2.087	2.095	0.008	0.37%	0.43%
0	3	2.090	2.092	0.003	0.12%	0.14%
0	4	2.090	2.095	0.005	0.25%	0.29%
0	5	2.087	2.092	0.005	0.25%	0.29%
10	6	2.087	2.082	-0.005	-0.25%	0.29%
10	7	2.092	2.095	0.003	0.12%	0.14%
10	8	2.084	2.079	-0.005	-0.25%	0.29%
10	9	2.090	2.079	-0.010	-0.50%	0.58%
10	10	2.087	2.090	0.003	0.12%	0.14%
20	11	2.095	2.082	-0.013	-0.62%	0.72%
20	12	2.087	2.082	-0.005	-0.25%	0.29%
20	13	2.092	2.079	-0.013	-0.62%	0.72%
20	14	2.092	2.084	-0.008	-0.37%	0.43%
20	15	2.095	2.084	-0.010	-0.50%	0.58%
30	16	2.090	2.071	-0.018	-0.87%	1.01%
30	17	2.090	2.074	-0.016	-0.75%	0.87%
30	18	2.087	2.069	-0.018	-0.87%	1.01%
30	19	2.087	2.066	-0.021	-1.00%	1.16%
30	20	2.092	2.071	-0.021	-1.00%	1.16%
31	16a	2.090	2.079	-0.010	-0.50%	0.58%
31	17a	2.090	2.079	-0.010	-0.50%	0.58%
31	18a	2.087	2.079	-0.008	-0.37%	0.43%
31	19a	2.087	2.079	-0.008	-0.37%	0.43%
31	20a	2.092	2.082	-0.010	-0.50%	0.58%
50	21	2.097	2.051	-0.047	-2.24%	2.61%
50	22	2.084	2.040	-0.044	-2.13%	2.46%
50	23	2.090	2.048	-0.042	-2.00%	2.32%
50	24	2.082	2.037	-0.044	-2.13%	2.46%
50	25	2.090	2.051	-0.039	-1.87%	2.17%
	Max	2.097	2.095	-0.003	0.37%	2.61%
	Average	2.089	2.076	-0.013	-0.63%	0.85%
	Min	2.082	2.037	-0.044	-2.24%	0.14%
	Std Dev	0.003	0.016	0.013	0.76%	0.76%

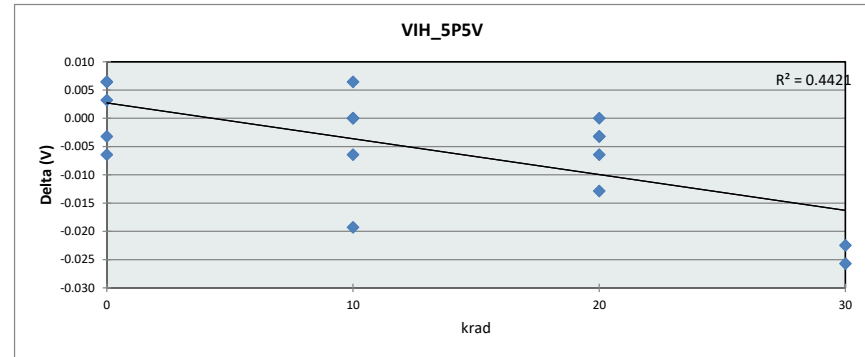


		VIH_4P5V					
		V					
		3.15					
		1.35					
krad		0	10	20	30	31	50
LL		1.350	1.350	1.350	1.350	1.350	1.350
Min		2.092	2.079	2.079	2.066	2.079	2.037
Average		2.094	2.085	2.082	2.070	2.080	2.045
Max		2.095	2.095	2.084	2.074	2.082	2.051
UL		3.150	3.150	3.150	3.150	3.150	3.150

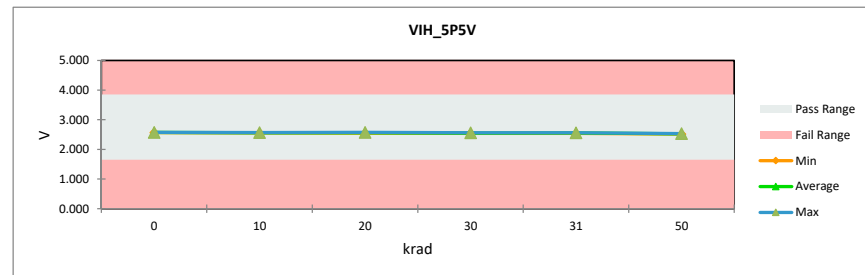


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		VIH_5P5V				
Units		V				
Max Limit		3.85				
Min Limit		1.65				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.562	2.568	0.006	0.25%	0.29%
0	2	2.572	2.575	0.003	0.12%	0.15%
0	3	2.575	2.568	-0.006	-0.25%	0.29%
0	4	2.578	2.575	-0.003	-0.12%	0.15%
0	5	2.568	2.575	0.006	0.25%	0.29%
10	6	2.552	2.559	0.006	0.25%	0.29%
10	7	2.562	2.562	0.000	0.00%	0.00%
10	8	2.562	2.556	-0.006	-0.25%	0.29%
10	9	2.568	2.568	0.000	0.00%	0.00%
10	10	2.581	2.562	-0.019	-0.75%	0.88%
20	11	2.568	2.565	-0.003	-0.13%	0.15%
20	12	2.565	2.562	-0.003	-0.13%	0.15%
20	13	2.565	2.565	0.000	0.00%	0.00%
20	14	2.578	2.572	-0.006	-0.25%	0.29%
20	15	2.562	2.549	-0.013	-0.50%	0.58%
30	16	2.568	2.546	-0.022	-0.88%	1.02%
30	17	2.578	2.552	-0.026	-1.00%	1.17%
30	18	2.572	2.539	-0.032	-1.25%	1.46%
30	19	2.572	2.539	-0.032	-1.25%	1.46%
30	20	2.559	2.559	0.000	0.00%	0.00%
31	16a	2.568	2.543	-0.026	-1.00%	1.17%
31	17a	2.578	2.556	-0.022	-0.87%	1.02%
31	18a	2.572	2.562	-0.010	-0.37%	0.44%
31	19a	2.572	2.559	-0.013	-0.50%	0.58%
31	20a	2.559	2.552	-0.006	-0.25%	0.29%
50	21	2.575	2.530	-0.045	-1.75%	2.05%
50	22	2.556	2.530	-0.026	-1.01%	1.17%
50	23	2.565	2.517	-0.048	-1.88%	2.19%
50	24	2.562	2.520	-0.042	-1.63%	1.90%
50	25	2.572	2.533	-0.039	-1.50%	1.75%
Max		2.581	2.575	-0.006	0.25%	2.19%
Average		2.568	2.554	-0.014	-0.55%	0.72%
Min		2.552	2.517	-0.035	-1.88%	0.00%
Std Dev		0.007	0.016	0.009	0.63%	0.67%

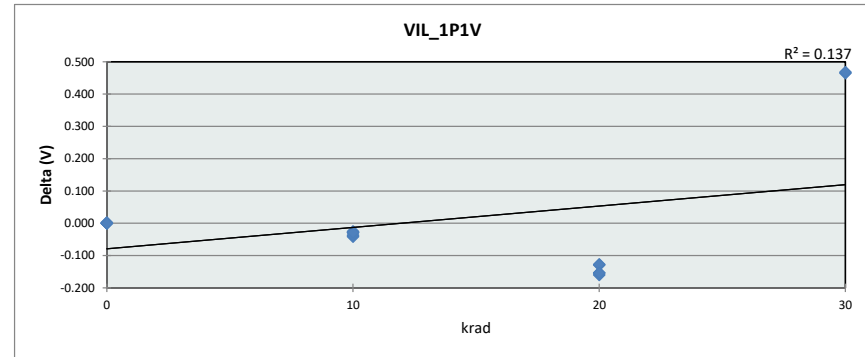


		VIH_5P5V				
Units		V				
Max Limit		3.85				
Min Limit		1.65				
krad	0	10	20	30	31	50
LL	1.650	1.650	1.650	1.650	1.650	1.650
Min	2.568	2.556	2.549	2.539	2.543	2.517
Average	2.572	2.561	2.563	2.547	2.554	2.526
Max	2.575	2.568	2.572	2.559	2.562	2.533
UL	3.850	3.850	3.850	3.850	3.850	3.850

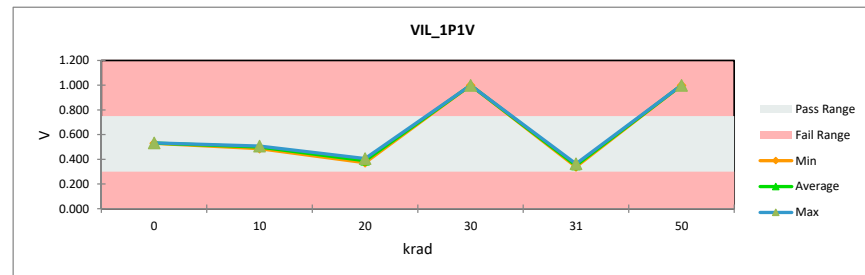


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		VIL_1P1V				
Units		V				
Max Limit		0.75				
Min Limit		0.3				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.530	0.530	-0.001	-0.11%	0.13%
0	2	0.530	0.530	0.000	0.00%	0.00%
0	3	0.532	0.532	0.000	0.00%	0.00%
0	4	0.531	0.533	0.002	0.34%	0.40%
0	5	0.534	0.533	-0.001	-0.11%	0.13%
10	6	0.530	0.505	-0.026	-4.87%	5.74%
10	7	0.536	0.506	-0.029	-5.49%	6.54%
10	8	0.527	0.486	-0.041	-7.85%	9.21%
10	9	0.528	0.491	-0.037	-7.05%	8.27%
10	10	0.533	0.505	-0.029	-5.40%	6.40%
20	11	0.531	0.402	-0.129	-24.31%	28.69%
20	12	0.533	0.373	-0.160	-30.08%	35.62%
20	13	0.533	0.380	-0.154	-28.81%	34.16%
20	14	0.533	0.406	-0.127	-23.89%	28.29%
20	15	0.535	0.382	-0.154	-28.71%	34.16%
30	16	0.535	0.999	0.465	86.91%	103.27%
30	17	0.532	0.999	0.468	87.97%	103.94%
30	18	0.533	0.999	0.467	87.54%	103.67%
30	19	0.532	0.999	0.468	87.97%	103.94%
30	20	0.534	0.999	0.465	87.12%	103.40%
31	16a	0.535	0.364	-0.171	-32.00%	38.03%
31	17a	0.532	0.346	-0.186	-34.89%	41.23%
31	18a	0.533	0.347	-0.186	-34.93%	41.36%
31	19a	0.532	0.339	-0.193	-36.25%	42.83%
31	20a	0.534	0.357	-0.177	-33.16%	39.36%
50	21	0.533	0.999	0.467	87.54%	103.67%
50	22	0.531	0.999	0.468	88.18%	104.07%
50	23	0.532	0.999	0.467	87.76%	103.80%
50	24	0.530	0.999	0.470	88.61%	104.34%
50	25	0.533	0.999	0.466	87.33%	103.54%
Max		0.536	0.999	0.464	88.61%	104.34%
Average		0.532	0.628	0.096	17.98%	47.94%
Min		0.527	0.339	-0.189	-36.25%	0.00%
Std Dev		0.002	0.274	0.272	51.53%	42.53%

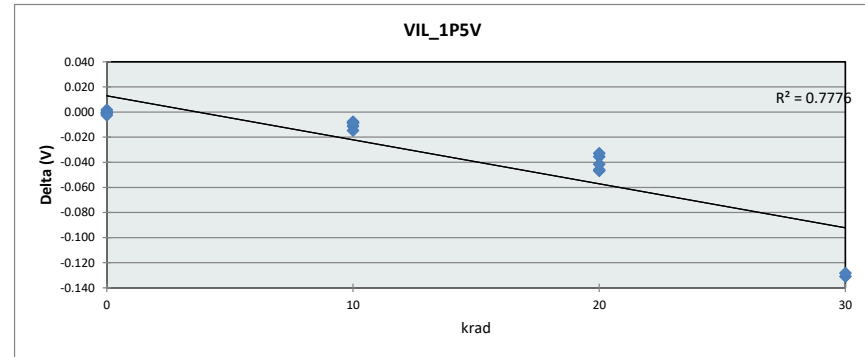


		VIL_1P1V							
Units		V							
Max Limit		0.75							
Min Limit		0.3							
krad		0	10	20	30	31	50		
LL		0.300	0.300	0.300	0.300	0.300	0.300		
Min		0.530	0.486	0.373	0.999	0.339	0.999		
Average		0.532	0.499	0.388	0.999	0.350	0.999		
Max		0.533	0.506	0.406	0.999	0.364	0.999		
UL		0.750	0.750	0.750	0.750	0.750	0.750		

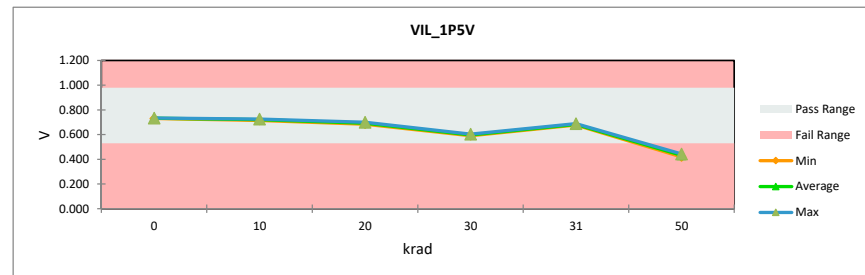


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		VIL_1P5V				
Units		V				
Max Limit		0.98				
Min Limit		0.53				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.731	0.733	0.002	0.24%	0.39%
0	2	0.731	0.730	-0.001	-0.12%	0.19%
0	3	0.733	0.733	0.000	0.00%	0.00%
0	4	0.734	0.733	-0.001	-0.12%	0.19%
0	5	0.737	0.734	-0.003	-0.35%	0.58%
10	6	0.730	0.723	-0.008	-1.07%	1.73%
10	7	0.735	0.726	-0.009	-1.18%	1.93%
10	8	0.729	0.714	-0.015	-2.02%	3.28%
10	9	0.730	0.719	-0.011	-1.54%	2.51%
10	10	0.733	0.724	-0.009	-1.18%	1.93%
20	11	0.733	0.698	-0.036	-4.85%	7.90%
20	12	0.731	0.685	-0.047	-6.40%	10.41%
20	13	0.734	0.688	-0.046	-6.26%	10.21%
20	14	0.732	0.699	-0.033	-4.50%	7.32%
20	15	0.733	0.691	-0.042	-5.68%	9.25%
30	16	0.734	0.603	-0.131	-17.84%	29.10%
30	17	0.731	0.603	-0.128	-17.55%	28.52%
30	18	0.734	0.596	-0.138	-18.79%	30.64%
30	19	0.730	0.591	-0.140	-19.11%	31.03%
30	20	0.735	0.596	-0.139	-18.88%	30.84%
31	16a	0.734	0.689	-0.045	-6.14%	10.02%
31	17a	0.731	0.679	-0.052	-7.11%	11.56%
31	18a	0.734	0.681	-0.053	-7.21%	11.76%
31	19a	0.730	0.677	-0.054	-7.36%	11.95%
31	20a	0.735	0.685	-0.050	-6.85%	11.18%
50	21	0.733	0.443	-0.290	-39.51%	64.37%
50	22	0.732	0.419	-0.313	-42.76%	69.57%
50	23	0.733	0.427	-0.306	-41.76%	68.03%
50	24	0.730	0.430	-0.300	-41.13%	66.68%
50	25	0.734	0.442	-0.292	-39.82%	64.95%
Max		0.737	0.734	-0.003	0.24%	69.57%
Average		0.733	0.643	-0.090	-12.23%	19.93%
Min		0.729	0.419	-0.310	-42.76%	0.00%
Std Dev		0.002	0.106	0.104	14.42%	23.45%

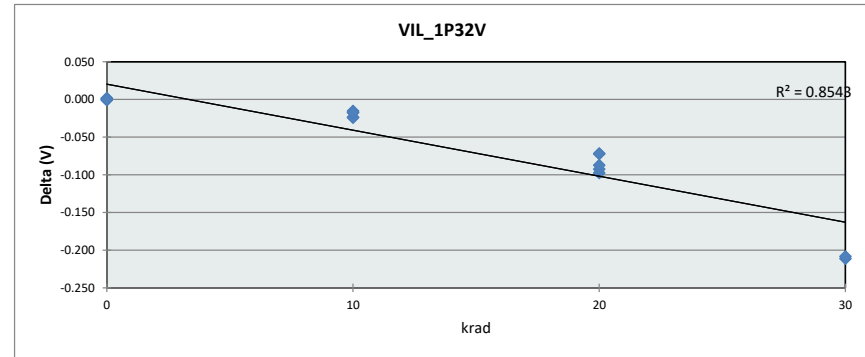


		VIL_1P5V					
Units		V					
Max Limit		0.98					
Min Limit		0.53					
krad		0	10	20	30	31	50
LL		0.530	0.530	0.530	0.530	0.530	0.530
Min		0.730	0.714	0.685	0.591	0.677	0.419
Average		0.733	0.721	0.692	0.598	0.682	0.432
Max		0.734	0.726	0.699	0.603	0.689	0.443
UL		0.980	0.980	0.980	0.980	0.980	0.980

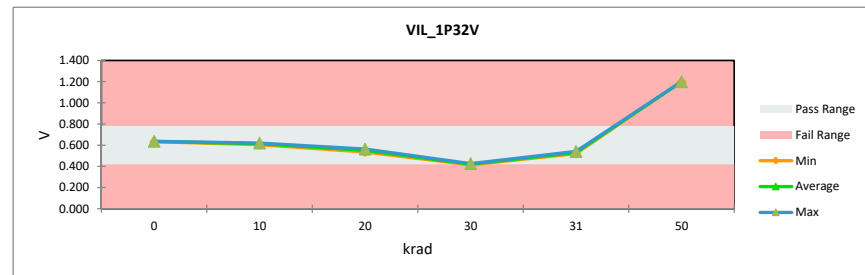


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		VIL_1P32V				
		Units		V		
		Max Limit		0.78		
		Min Limit		0.42		
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.632	0.633	0.001	0.23%	0.41%
0	2	0.631	0.633	0.001	0.23%	0.41%
0	3	0.636	0.636	0.000	0.00%	0.00%
0	4	0.636	0.635	-0.001	-0.12%	0.20%
0	5	0.636	0.635	-0.001	-0.12%	0.20%
10	6	0.632	0.617	-0.015	-2.44%	4.28%
10	7	0.637	0.620	-0.017	-2.65%	4.69%
10	8	0.630	0.606	-0.024	-3.84%	6.73%
10	9	0.631	0.608	-0.023	-3.72%	6.52%
10	10	0.634	0.617	-0.018	-2.78%	4.89%
20	11	0.634	0.562	-0.072	-11.34%	19.98%
20	12	0.633	0.536	-0.098	-15.41%	27.11%
20	13	0.636	0.543	-0.092	-14.55%	25.68%
20	14	0.635	0.563	-0.072	-11.33%	19.98%
20	15	0.636	0.548	-0.087	-13.74%	24.26%
30	16	0.636	0.424	-0.211	-33.25%	58.71%
30	17	0.634	0.426	-0.208	-32.86%	57.89%
30	18	0.637	0.420	-0.217	-34.09%	60.34%
30	19	0.631	0.414	-0.217	-34.41%	60.34%
30	20	0.636	0.418	-0.217	-34.17%	60.34%
31	16a	0.636	0.540	-0.095	-15.01%	26.50%
31	17a	0.634	0.528	-0.106	-16.78%	29.56%
31	18a	0.637	0.528	-0.109	-17.16%	30.37%
31	19a	0.631	0.521	-0.110	-17.44%	30.58%
31	20a	0.636	0.534	-0.101	-15.93%	28.13%
50	21	0.636	1.199	0.564	88.66%	156.55%
50	22	0.633	1.199	0.567	89.53%	157.36%
50	23	0.633	1.199	0.566	89.31%	157.16%
50	24	0.631	1.199	0.568	89.97%	157.77%
50	25	0.636	1.199	0.564	88.66%	156.55%
	Max	0.637	1.199	0.562	89.97%	157.77%
	Average	0.634	0.658	0.024	3.78%	45.78%
	Min	0.630	0.414	-0.216	-34.41%	0.00%
	Std Dev	0.002	0.256	0.254	40.42%	54.26%

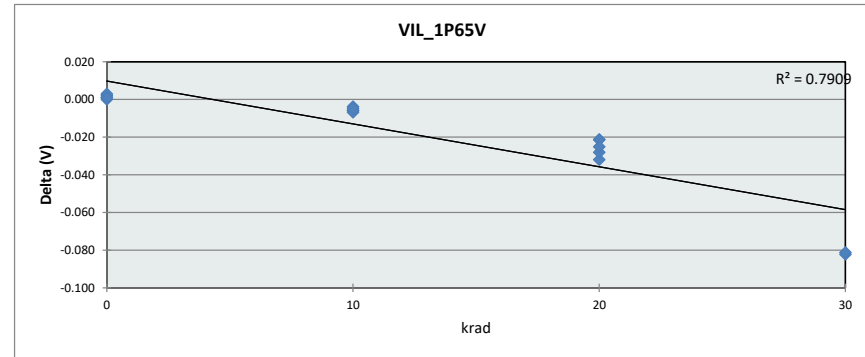


		VIL_1P32V				
		Units		V		
		Max Limit		0.78		
		Min Limit		0.42		
krad	0	10	20	30	31	50
LL	0.420	0.420	0.420	0.420	0.420	0.420
Min	0.633	0.606	0.536	0.414	0.521	1.199
Average	0.635	0.613	0.551	0.421	0.530	1.199
Max	0.636	0.620	0.563	0.426	0.540	1.199
UL	0.780	0.780	0.780	0.780	0.780	0.780

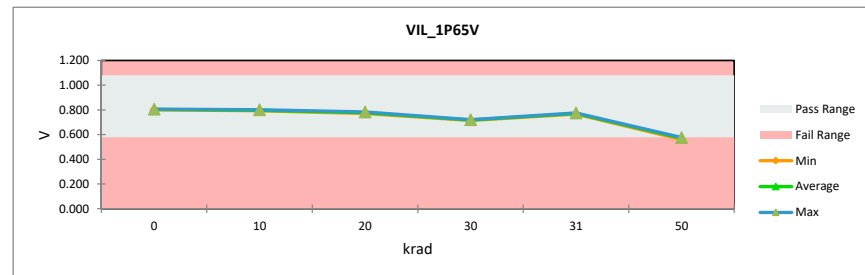


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		VIL_1P65V				
		Units		V		
		Max Limit		1.08		
		Min Limit		0.578		
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.802	0.803	0.001	0.12%	0.19%
0	2	0.800	0.800	0.000	0.00%	0.00%
0	3	0.802	0.804	0.002	0.24%	0.39%
0	4	0.802	0.805	0.003	0.36%	0.58%
0	5	0.805	0.806	0.001	0.12%	0.19%
10	6	0.800	0.795	-0.006	-0.73%	1.16%
10	7	0.806	0.800	-0.006	-0.72%	1.16%
10	8	0.796	0.793	-0.004	-0.49%	0.77%
10	9	0.799	0.793	-0.007	-0.85%	1.35%
10	10	0.802	0.797	-0.005	-0.60%	0.96%
20	11	0.803	0.782	-0.021	-2.65%	4.24%
20	12	0.802	0.770	-0.032	-3.98%	6.36%
20	13	0.804	0.776	-0.028	-3.49%	5.59%
20	14	0.804	0.783	-0.021	-2.65%	4.24%
20	15	0.802	0.777	-0.025	-3.13%	5.01%
30	16	0.803	0.721	-0.082	-10.24%	16.38%
30	17	0.802	0.721	-0.081	-10.13%	16.19%
30	18	0.804	0.716	-0.088	-10.95%	17.53%
30	19	0.801	0.714	-0.087	-10.86%	17.34%
30	20	0.804	0.716	-0.088	-10.95%	17.53%
31	16a	0.803	0.775	-0.028	-3.49%	5.59%
31	17a	0.802	0.768	-0.034	-4.22%	6.74%
31	18a	0.804	0.771	-0.033	-4.09%	6.55%
31	19a	0.801	0.766	-0.036	-4.47%	7.13%
31	20a	0.804	0.774	-0.030	-3.73%	5.97%
50	21	0.804	0.574	-0.230	-28.63%	45.86%
50	22	0.800	0.560	-0.240	-29.97%	47.79%
50	23	0.803	0.569	-0.234	-29.14%	46.63%
50	24	0.799	0.572	-0.227	-28.44%	45.28%
50	25	0.804	0.577	-0.227	-28.27%	45.28%
	Max	0.806	0.806	0.000	0.36%	47.79%
	Average	0.802	0.739	-0.063	-7.87%	12.67%
	Min	0.796	0.560	-0.236	-29.97%	0.00%
	Std Dev	0.002	0.082	0.080	10.20%	16.23%

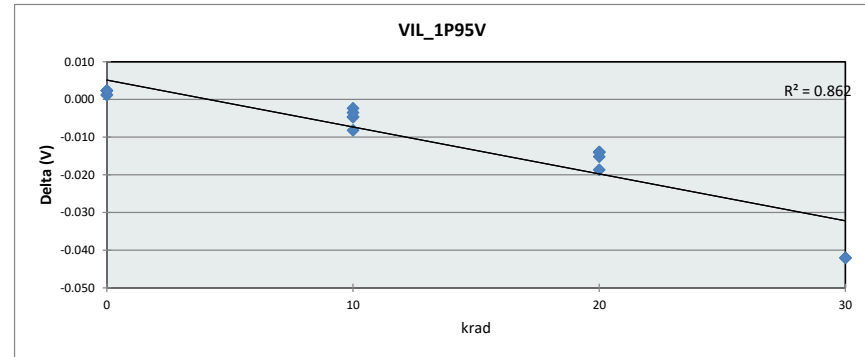


		VIL_1P65V				
		Units		V		
		Max Limit		1.08		
		Min Limit		0.578		
krad	0	10	20	30	31	50
LL	0.578	0.578	0.578	0.578	0.578	0.578
Min	0.800	0.793	0.770	0.714	0.766	0.560
Average	0.804	0.795	0.778	0.718	0.771	0.571
Max	0.806	0.800	0.783	0.721	0.775	0.577
UL	1.080	1.080	1.080	1.080	1.080	1.080

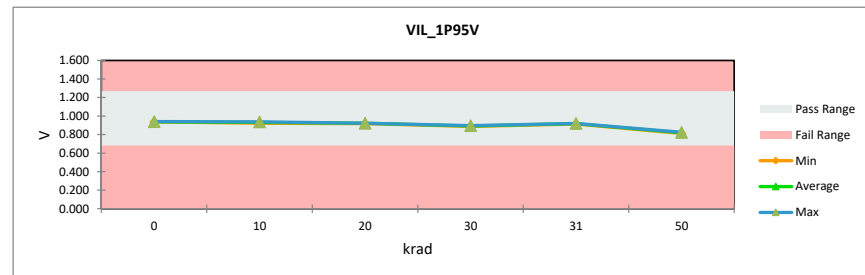


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		VIL_1P95V				
Units		V				
Max Limit		1.27				
Min Limit		0.683				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.935	0.937	0.002	0.25%	0.40%
0	2	0.935	0.937	0.002	0.25%	0.40%
0	3	0.937	0.938	0.001	0.12%	0.20%
0	4	0.937	0.938	0.001	0.12%	0.20%
0	5	0.938	0.941	0.002	0.25%	0.40%
10	6	0.934	0.929	-0.005	-0.50%	0.80%
10	7	0.939	0.937	-0.002	-0.25%	0.40%
10	8	0.931	0.923	-0.008	-0.88%	1.39%
10	9	0.934	0.929	-0.005	-0.50%	0.80%
10	10	0.937	0.934	-0.004	-0.37%	0.60%
20	11	0.937	0.923	-0.014	-1.50%	2.39%
20	12	0.936	0.917	-0.019	-2.00%	3.18%
20	13	0.936	0.922	-0.014	-1.50%	2.39%
20	14	0.938	0.923	-0.015	-1.62%	2.59%
20	15	0.936	0.922	-0.014	-1.50%	2.39%
30	16	0.938	0.896	-0.042	-4.48%	7.16%
30	17	0.935	0.893	-0.042	-4.50%	7.16%
30	18	0.936	0.893	-0.043	-4.62%	7.36%
30	19	0.935	0.889	-0.046	-4.87%	7.76%
30	20	0.938	0.894	-0.044	-4.73%	7.56%
31	16a	0.938	0.920	-0.019	-1.99%	3.18%
31	17a	0.935	0.917	-0.018	-1.87%	2.98%
31	18a	0.936	0.918	-0.018	-1.87%	2.98%
31	19a	0.935	0.914	-0.021	-2.25%	3.58%
31	20a	0.938	0.918	-0.020	-2.12%	3.38%
50	21	0.937	0.824	-0.113	-12.08%	19.29%
50	22	0.932	0.812	-0.120	-12.90%	20.48%
50	23	0.936	0.818	-0.118	-12.60%	20.09%
50	24	0.931	0.817	-0.114	-12.29%	19.49%
50	25	0.937	0.825	-0.112	-11.96%	19.09%
Max		0.939	0.941	0.001	0.25%	20.48%
Average		0.936	0.903	-0.033	-3.49%	5.67%
Min		0.931	0.812	-0.119	-12.90%	0.20%
Std Dev		0.002	0.041	0.039	4.33%	6.80%

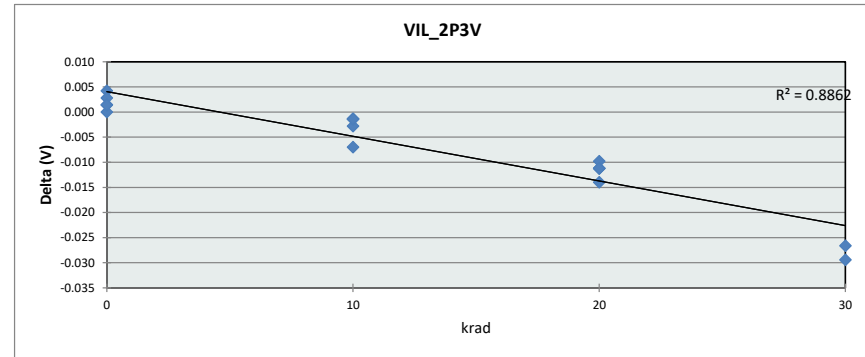


		VIL_1P95V					
Units		V					
Max Limit		1.27					
Min Limit		0.683					
krad		0	10	20	30	31	50
LL		0.683	0.683	0.683	0.683	0.683	0.683
Min		0.937	0.923	0.917	0.889	0.914	0.812
Average		0.938	0.930	0.921	0.893	0.917	0.819
Max		0.941	0.937	0.923	0.896	0.920	0.825
UL		1.270	1.270	1.270	1.270	1.270	1.270

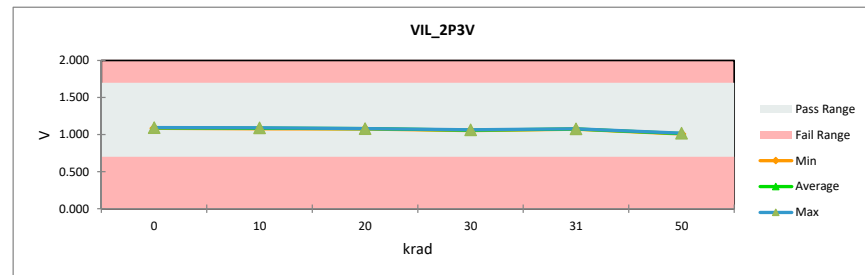


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		VIL_2P3V				
Units		V				
Max Limit		1.7				
Min Limit		0.7				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.090	1.095	0.004	0.39%	0.42%
0	2	1.085	1.085	0.000	0.00%	0.00%
0	3	1.090	1.093	0.003	0.26%	0.28%
0	4	1.089	1.090	0.001	0.13%	0.14%
0	5	1.093	1.095	0.001	0.13%	0.14%
10	6	1.086	1.085	-0.001	-0.13%	0.14%
10	7	1.095	1.092	-0.003	-0.26%	0.28%
10	8	1.085	1.078	-0.007	-0.65%	0.70%
10	9	1.088	1.086	-0.001	-0.13%	0.14%
10	10	1.088	1.086	-0.001	-0.13%	0.14%
20	11	1.090	1.079	-0.011	-1.03%	1.12%
20	12	1.090	1.076	-0.014	-1.28%	1.40%
20	13	1.092	1.081	-0.011	-1.03%	1.12%
20	14	1.092	1.082	-0.010	-0.90%	0.98%
20	15	1.092	1.081	-0.011	-1.03%	1.12%
30	16	1.092	1.065	-0.027	-2.44%	2.66%
30	17	1.090	1.061	-0.029	-2.70%	2.94%
30	18	1.090	1.058	-0.032	-2.95%	3.22%
30	19	1.086	1.054	-0.032	-2.97%	3.22%
30	20	1.089	1.057	-0.032	-2.96%	3.22%
31	16a	1.092	1.079	-0.013	-1.15%	1.26%
31	17a	1.090	1.075	-0.015	-1.41%	1.54%
31	18a	1.090	1.074	-0.017	-1.54%	1.68%
31	19a	1.086	1.072	-0.014	-1.29%	1.40%
31	20a	1.089	1.078	-0.011	-1.03%	1.12%
50	21	1.095	1.018	-0.077	-7.04%	7.71%
50	22	1.085	1.011	-0.074	-6.84%	7.42%
50	23	1.090	1.013	-0.077	-7.07%	7.71%
50	24	1.083	1.008	-0.076	-6.98%	7.57%
50	25	1.092	1.019	-0.073	-6.67%	7.28%
Max		1.095	1.095	0.000	0.39%	7.71%
Average		1.090	1.068	-0.022	-2.02%	2.27%
Min		1.083	1.008	-0.076	-7.07%	0.00%
Std Dev		0.003	0.027	0.024	2.43%	2.59%

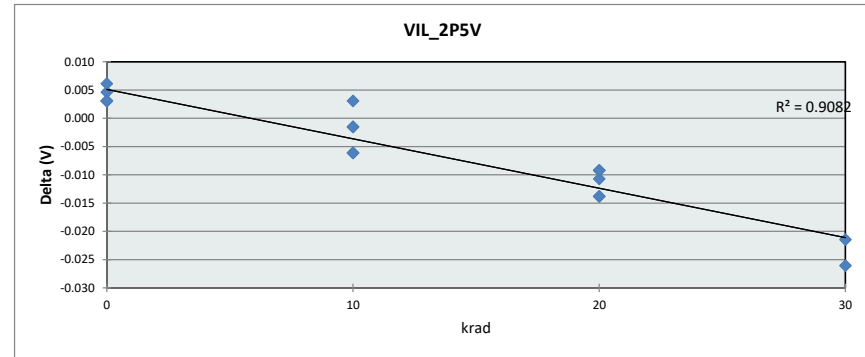


		VIL_2P3V					
Units		V					
Max Limit		1.7					
Min Limit		0.7					
krad		0	10	20	30	31	50
LL		0.700	0.700	0.700	0.700	0.700	0.700
Min		1.085	1.078	1.076	1.054	1.072	1.008
Average		1.092	1.085	1.080	1.059	1.076	1.014
Max		1.095	1.092	1.082	1.065	1.079	1.019
UL		1.700	1.700	1.700	1.700	1.700	1.700

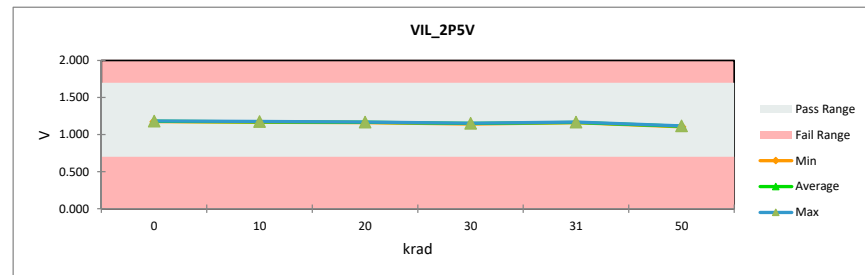


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		VIL_2P5V				
Units		V				
Max Limit		1.7				
Min Limit		0.7				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.174	1.177	0.003	0.26%	0.31%
0	2	1.173	1.176	0.003	0.26%	0.31%
0	3	1.177	1.182	0.005	0.39%	0.46%
0	4	1.177	1.183	0.006	0.52%	0.61%
0	5	1.179	1.182	0.003	0.26%	0.31%
10	6	1.171	1.169	-0.002	-0.13%	0.15%
10	7	1.179	1.177	-0.002	-0.13%	0.15%
10	8	1.173	1.166	-0.006	-0.52%	0.61%
10	9	1.174	1.168	-0.006	-0.52%	0.61%
10	10	1.173	1.176	0.003	0.26%	0.31%
20	11	1.176	1.166	-0.009	-0.78%	0.92%
20	12	1.176	1.162	-0.014	-1.17%	1.38%
20	13	1.177	1.166	-0.011	-0.91%	1.07%
20	14	1.179	1.169	-0.009	-0.78%	0.92%
20	15	1.180	1.166	-0.014	-1.17%	1.38%
30	16	1.179	1.153	-0.026	-2.21%	2.61%
30	17	1.176	1.154	-0.021	-1.83%	2.15%
30	18	1.179	1.148	-0.031	-2.60%	3.07%
30	19	1.171	1.143	-0.028	-2.36%	2.76%
30	20	1.177	1.148	-0.029	-2.48%	2.92%
31	16a	1.179	1.169	-0.009	-0.78%	0.92%
31	17a	1.176	1.163	-0.012	-1.04%	1.23%
31	18a	1.179	1.165	-0.014	-1.17%	1.38%
31	19a	1.171	1.162	-0.009	-0.79%	0.92%
31	20a	1.177	1.163	-0.014	-1.17%	1.38%
50	21	1.180	1.117	-0.063	-5.33%	6.29%
50	22	1.169	1.105	-0.064	-5.51%	6.44%
50	23	1.177	1.113	-0.064	-5.47%	6.44%
50	24	1.169	1.110	-0.060	-5.12%	5.98%
50	25	1.176	1.116	-0.060	-5.09%	5.98%
	Max	1.180	1.183	0.003	0.52%	6.44%
	Average	1.176	1.157	-0.018	-1.57%	2.00%
	Min	1.169	1.105	-0.064	-5.51%	0.15%
	Std Dev	0.003	0.023	0.020	1.90%	2.09%

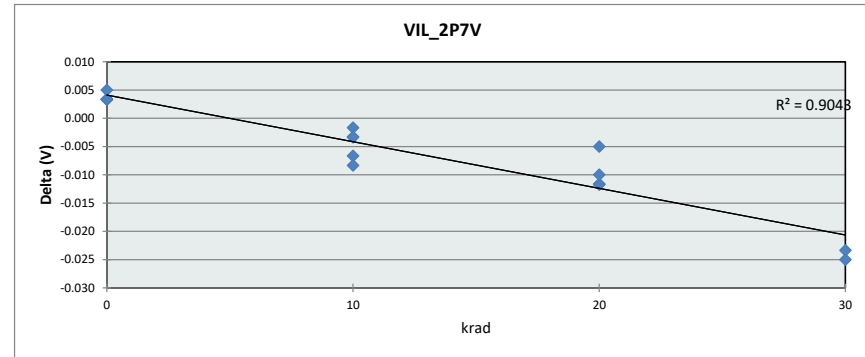


		VIL_2P5V				
Units		V				
Max Limit		1.7				
Min Limit		0.7				
krad	0	10	20	30	31	50
LL	0.700	0.700	0.700	0.700	0.700	0.700
Min	1.176	1.166	1.162	1.143	1.162	1.105
Average	1.180	1.171	1.166	1.149	1.165	1.112
Max	1.183	1.177	1.169	1.154	1.169	1.117
UL	1.700	1.700	1.700	1.700	1.700	1.700

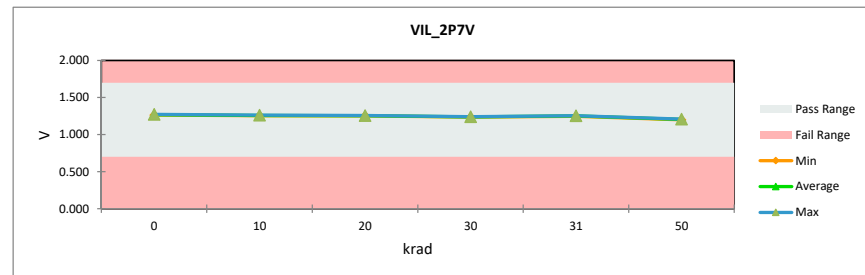


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		VIL_2P7V				
		Units		V		
		Max Limit		1.7		
		Min Limit		0.7		
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.261	1.264	0.003	0.26%	0.33%
0	2	1.262	1.266	0.003	0.26%	0.33%
0	3	1.264	1.267	0.003	0.26%	0.33%
0	4	1.266	1.269	0.003	0.26%	0.33%
0	5	1.267	1.272	0.005	0.39%	0.50%
10	6	1.262	1.256	-0.007	-0.53%	0.67%
10	7	1.266	1.262	-0.003	-0.26%	0.33%
10	8	1.256	1.254	-0.002	-0.13%	0.17%
10	9	1.259	1.256	-0.003	-0.26%	0.33%
10	10	1.266	1.257	-0.008	-0.66%	0.83%
20	11	1.266	1.254	-0.012	-0.92%	1.17%
20	12	1.262	1.251	-0.012	-0.92%	1.17%
20	13	1.266	1.254	-0.012	-0.92%	1.17%
20	14	1.262	1.257	-0.005	-0.40%	0.50%
20	15	1.264	1.254	-0.010	-0.79%	1.00%
30	16	1.266	1.242	-0.023	-1.84%	2.33%
30	17	1.264	1.239	-0.025	-1.98%	2.50%
30	18	1.264	1.239	-0.025	-1.98%	2.50%
30	19	1.262	1.236	-0.027	-2.11%	2.67%
30	20	1.266	1.237	-0.028	-2.24%	2.84%
31	16a	1.266	1.256	-0.010	-0.79%	1.00%
31	17a	1.264	1.256	-0.008	-0.66%	0.83%
31	18a	1.264	1.251	-0.013	-1.06%	1.33%
31	19a	1.262	1.247	-0.015	-1.19%	1.50%
31	20a	1.266	1.254	-0.012	-0.92%	1.17%
50	21	1.267	1.207	-0.060	-4.74%	6.00%
50	22	1.257	1.199	-0.058	-4.64%	5.84%
50	23	1.262	1.204	-0.058	-4.62%	5.84%
50	24	1.257	1.202	-0.055	-4.38%	5.50%
50	25	1.262	1.209	-0.053	-4.23%	5.34%
	Max	1.267	1.272	0.005	0.39%	6.00%
	Average	1.263	1.246	-0.018	-1.39%	1.88%
	Min	1.256	1.199	-0.057	-4.74%	0.17%
	Std Dev	0.003	0.021	0.018	1.60%	1.90%

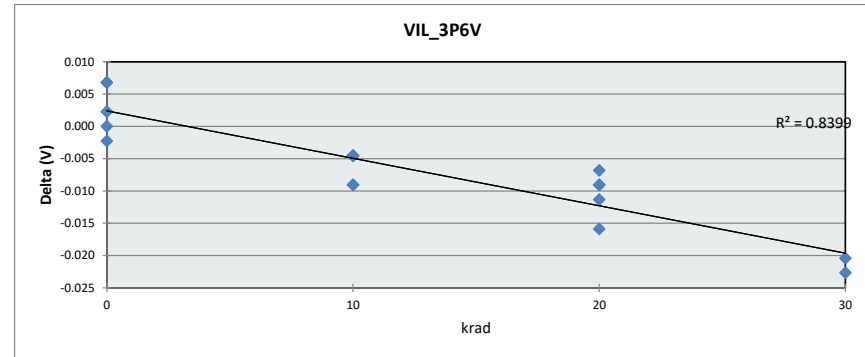


		VIL_2P7V							
		Units		V					
		Max Limit		1.7					
		Min Limit		0.7					
krad	0	10	20	30	31	50			
LL	0.700	0.700	0.700	0.700	0.700	0.700			
Min	1.264	1.254	1.251	1.236	1.247	1.199			
Average	1.268	1.257	1.254	1.239	1.253	1.204			
Max	1.272	1.262	1.257	1.242	1.256	1.209			
UL	1.700	1.700	1.700	1.700	1.700	1.700			

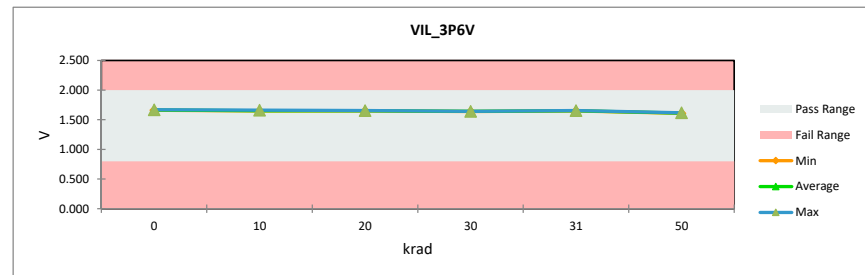


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		VIL_3P6V				
Units		V				
Max Limit		2				
Min Limit		0.8				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.661	1.663	0.002	0.14%	0.19%
0	2	1.661	1.661	0.000	0.00%	0.00%
0	3	1.665	1.663	-0.002	-0.14%	0.19%
0	4	1.663	1.670	0.007	0.41%	0.57%
0	5	1.661	1.667	0.007	0.41%	0.57%
10	6	1.661	1.651	-0.009	-0.55%	0.76%
10	7	1.667	1.663	-0.005	-0.27%	0.38%
10	8	1.654	1.649	-0.005	-0.27%	0.38%
10	9	1.661	1.651	-0.009	-0.55%	0.76%
10	10	1.658	1.654	-0.005	-0.27%	0.38%
20	11	1.663	1.656	-0.007	-0.41%	0.57%
20	12	1.661	1.651	-0.009	-0.55%	0.76%
20	13	1.665	1.649	-0.016	-0.95%	1.32%
20	14	1.665	1.654	-0.011	-0.68%	0.95%
20	15	1.663	1.654	-0.009	-0.55%	0.76%
30	16	1.661	1.640	-0.020	-1.23%	1.70%
30	17	1.665	1.642	-0.023	-1.36%	1.89%
30	18	1.661	1.642	-0.018	-1.09%	1.51%
30	19	1.658	1.638	-0.020	-1.23%	1.70%
30	20	1.663	1.642	-0.020	-1.23%	1.70%
31	16a	1.661	1.656	-0.005	-0.27%	0.38%
31	17a	1.665	1.656	-0.009	-0.54%	0.76%
31	18a	1.661	1.654	-0.007	-0.41%	0.57%
31	19a	1.658	1.649	-0.009	-0.55%	0.76%
31	20a	1.663	1.651	-0.011	-0.68%	0.95%
50	21	1.665	1.615	-0.050	-3.00%	4.16%
50	22	1.656	1.608	-0.048	-2.88%	3.97%
50	23	1.663	1.613	-0.050	-3.00%	4.16%
50	24	1.658	1.608	-0.050	-3.01%	4.16%
50	25	1.663	1.617	-0.045	-2.73%	3.78%
Max		1.667	1.670	0.002	0.41%	4.16%
Average		1.661	1.646	-0.015	-0.91%	1.35%
Min		1.654	1.608	-0.045	-3.01%	0.00%
Std Dev		0.003	0.017	0.014	1.02%	1.32%

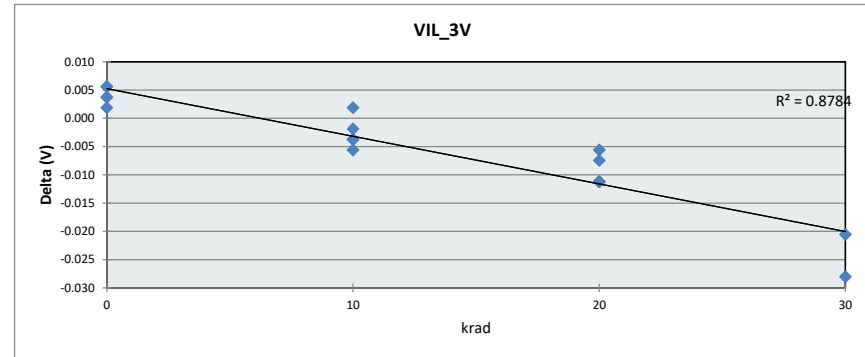


		VIL_3P6V				
Units		V				
Max Limit		2				
Min Limit		0.8				
krad	0	10	20	30	31	50
LL	0.800	0.800	0.800	0.800	0.800	0.800
Min	1.661	1.649	1.649	1.638	1.649	1.608
Average	1.665	1.654	1.653	1.641	1.653	1.612
Max	1.670	1.663	1.656	1.642	1.656	1.617
UL	2.000	2.000	2.000	2.000	2.000	2.000

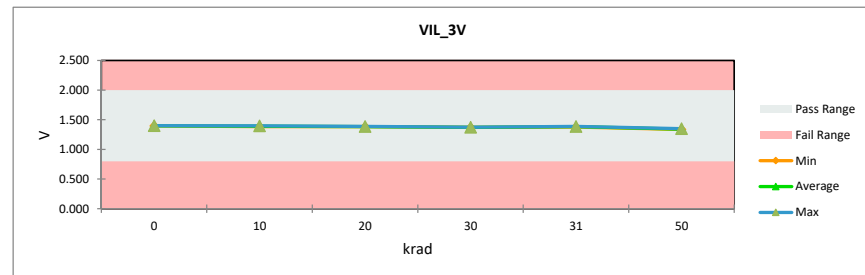


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		VIL_3V				
Units		V				
Max Limit		2				
Min Limit		0.8				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.393	1.398	0.006	0.40%	0.47%
0	2	1.393	1.396	0.004	0.27%	0.31%
0	3	1.396	1.400	0.004	0.27%	0.31%
0	4	1.394	1.396	0.002	0.13%	0.16%
0	5	1.394	1.400	0.006	0.40%	0.47%
10	6	1.393	1.387	-0.006	-0.40%	0.47%
10	7	1.394	1.396	0.002	0.13%	0.16%
10	8	1.389	1.385	-0.004	-0.27%	0.31%
10	9	1.394	1.391	-0.004	-0.27%	0.31%
10	10	1.394	1.393	-0.002	-0.13%	0.16%
20	11	1.396	1.385	-0.011	-0.80%	0.93%
20	12	1.391	1.383	-0.007	-0.54%	0.62%
20	13	1.398	1.387	-0.011	-0.80%	0.93%
20	14	1.394	1.389	-0.006	-0.40%	0.47%
20	15	1.394	1.383	-0.011	-0.80%	0.93%
30	16	1.396	1.376	-0.021	-1.47%	1.71%
30	17	1.400	1.372	-0.028	-2.00%	2.33%
30	18	1.398	1.372	-0.026	-1.87%	2.18%
30	19	1.394	1.370	-0.024	-1.74%	2.02%
30	20	1.394	1.372	-0.022	-1.61%	1.87%
31	16a	1.396	1.389	-0.007	-0.54%	0.62%
31	17a	1.400	1.385	-0.015	-1.07%	1.25%
31	18a	1.398	1.383	-0.015	-1.07%	1.25%
31	19a	1.394	1.378	-0.017	-1.21%	1.40%
31	20a	1.394	1.385	-0.009	-0.67%	0.78%
50	21	1.400	1.350	-0.050	-3.60%	4.20%
50	22	1.391	1.337	-0.054	-3.90%	4.51%
50	23	1.393	1.344	-0.049	-3.49%	4.05%
50	24	1.389	1.337	-0.052	-3.77%	4.36%
50	25	1.394	1.342	-0.052	-3.75%	4.36%
	Max	1.400	1.400	0.000	0.40%	4.51%
	Average	1.395	1.379	-0.016	-1.15%	1.46%
	Min	1.389	1.337	-0.052	-3.90%	0.16%
	Std Dev	0.003	0.019	0.016	1.34%	1.43%

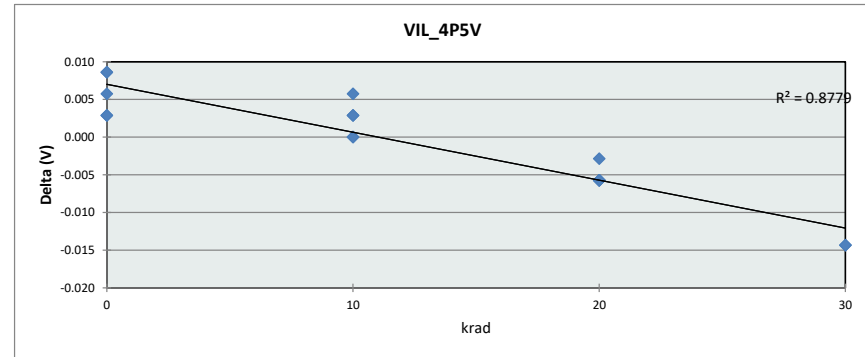


		VIL_3V				
Units		V				
Max Limit		2				
Min Limit		0.8				
krad	0	10	20	30	31	50
LL	0.800	0.800	0.800	0.800	0.800	0.800
Min	1.396	1.385	1.383	1.370	1.378	1.337
Average	1.398	1.390	1.385	1.372	1.384	1.342
Max	1.400	1.396	1.389	1.376	1.389	1.350
UL	2.000	2.000	2.000	2.000	2.000	2.000

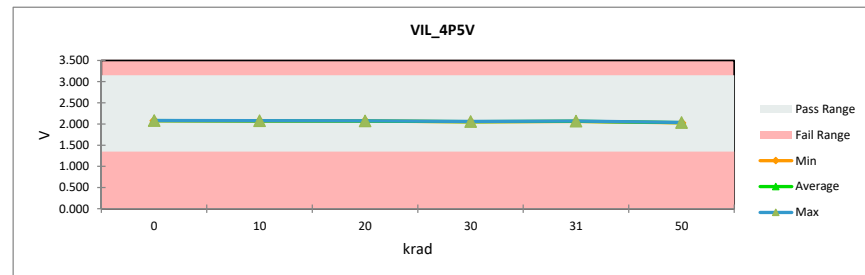


TID Report SN54SC1G08-SEP

		VIL_4P5V				
		V				
		3.15				
		1.35				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.074	2.076	0.003	0.14%	0.16%
0	2	2.071	2.079	0.009	0.42%	0.48%
0	3	2.079	2.082	0.003	0.14%	0.16%
0	4	2.076	2.082	0.006	0.28%	0.32%
0	5	2.074	2.082	0.009	0.42%	0.48%
10	6	2.065	2.068	0.003	0.14%	0.16%
10	7	2.079	2.079	0.000	0.00%	0.00%
10	8	2.068	2.068	0.000	0.00%	0.00%
10	9	2.071	2.074	0.003	0.14%	0.16%
10	10	2.071	2.076	0.006	0.28%	0.32%
20	11	2.076	2.071	-0.006	-0.28%	0.32%
20	12	2.074	2.068	-0.006	-0.28%	0.32%
20	13	2.074	2.068	-0.006	-0.28%	0.32%
20	14	2.076	2.074	-0.003	-0.14%	0.16%
20	15	2.076	2.071	-0.006	-0.28%	0.32%
30	16	2.071	2.056	-0.014	-0.69%	0.80%
30	17	2.076	2.062	-0.014	-0.69%	0.80%
30	18	2.076	2.059	-0.017	-0.83%	0.96%
30	19	2.076	2.051	-0.026	-1.24%	1.43%
30	20	2.076	2.056	-0.020	-0.97%	1.12%
31	16a	2.071	2.068	-0.003	-0.14%	0.16%
31	17a	2.076	2.065	-0.011	-0.55%	0.64%
31	18a	2.076	2.065	-0.011	-0.55%	0.64%
31	19a	2.076	2.062	-0.014	-0.69%	0.80%
31	20a	2.076	2.068	-0.009	-0.41%	0.48%
50	21	2.085	2.036	-0.049	-2.34%	2.71%
50	22	2.071	2.028	-0.043	-2.08%	2.39%
50	23	2.074	2.033	-0.040	-1.94%	2.23%
50	24	2.071	2.031	-0.040	-1.94%	2.23%
50	25	2.076	2.033	-0.043	-2.07%	2.39%
	Max	2.085	2.082	-0.003	0.42%	2.71%
	Average	2.074	2.063	-0.011	-0.55%	0.78%
	Min	2.065	2.028	-0.037	-2.34%	0.00%
	Std Dev	0.004	0.016	0.012	0.81%	0.81%

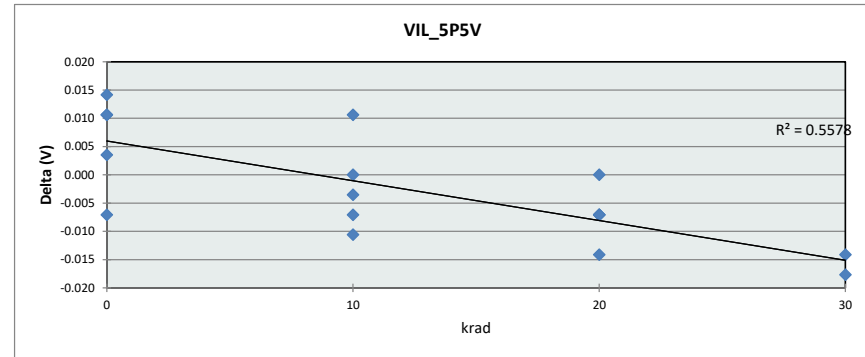


		VIL_4P5V					
		V					
		3.15					
		1.35					
krad		0	10	20	30	31	50
LL		1.350	1.350	1.350	1.350	1.350	1.350
Min		2.076	2.068	2.068	2.051	2.062	2.028
Average		2.080	2.073	2.070	2.057	2.066	2.032
Max		2.082	2.079	2.074	2.062	2.068	2.036
UL		3.150	3.150	3.150	3.150	3.150	3.150

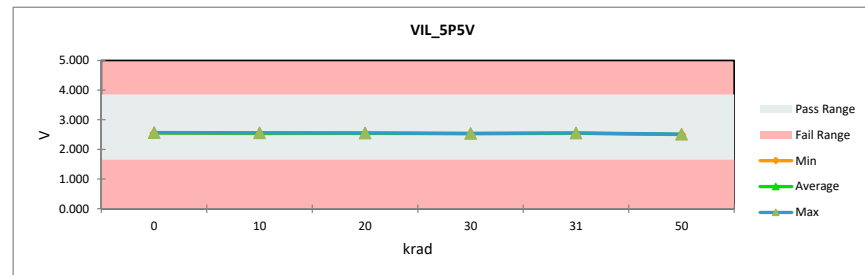


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		VIL_5P5V				
Units		V				
Max Limit		3.85				
Min Limit		1.65				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.554	2.557	0.004	0.14%	0.16%
0	2	2.543	2.554	0.011	0.42%	0.48%
0	3	2.557	2.568	0.011	0.41%	0.48%
0	4	2.554	2.568	0.014	0.55%	0.64%
0	5	2.561	2.554	-0.007	-0.28%	0.32%
10	6	2.554	2.543	-0.011	-0.42%	0.48%
10	7	2.564	2.564	0.000	0.00%	0.00%
10	8	2.543	2.536	-0.007	-0.28%	0.32%
10	9	2.547	2.543	-0.004	-0.14%	0.16%
10	10	2.547	2.557	0.011	0.42%	0.48%
20	11	2.561	2.547	-0.014	-0.55%	0.64%
20	12	2.550	2.543	-0.007	-0.28%	0.32%
20	13	2.550	2.543	-0.007	-0.28%	0.32%
20	14	2.557	2.557	0.000	0.00%	0.00%
20	15	2.561	2.554	-0.007	-0.28%	0.32%
30	16	2.554	2.540	-0.014	-0.55%	0.64%
30	17	2.547	2.529	-0.018	-0.69%	0.80%
30	18	2.547	2.529	-0.018	-0.69%	0.80%
30	19	2.547	2.536	-0.011	-0.42%	0.48%
30	20	2.550	2.533	-0.018	-0.69%	0.80%
31	16a	2.554	2.543	-0.011	-0.42%	0.48%
31	17a	2.547	2.543	-0.004	-0.14%	0.16%
31	18a	2.547	2.554	0.007	0.28%	0.32%
31	19a	2.547	2.540	-0.007	-0.28%	0.32%
31	20a	2.550	2.547	-0.004	-0.14%	0.16%
50	21	2.554	2.515	-0.039	-1.52%	1.77%
50	22	2.547	2.504	-0.042	-1.67%	1.93%
50	23	2.554	2.508	-0.046	-1.80%	2.09%
50	24	2.557	2.501	-0.057	-2.21%	2.57%
50	25	2.557	2.508	-0.050	-1.94%	2.25%
Max		2.564	2.568	0.004	0.55%	2.57%
Average		2.552	2.541	-0.011	-0.45%	0.69%
Min		2.543	2.501	-0.042	-2.21%	0.00%
Std Dev		0.006	0.018	0.013	0.72%	0.69%

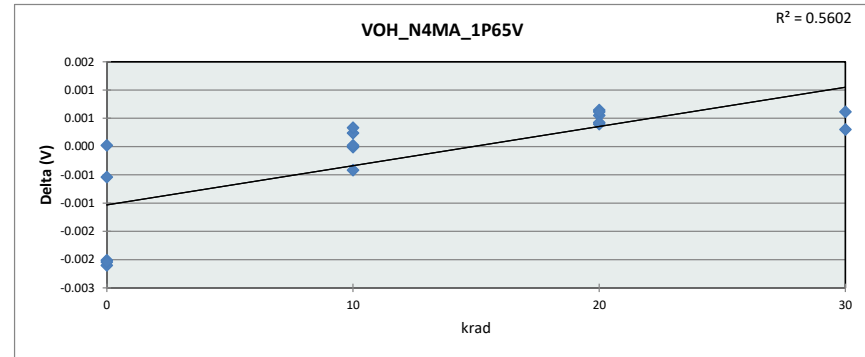


		VIL_5P5V					
Units		V					
Max Limit		3.85					
Min Limit		1.65					
krad		0	10	20	30	31	50
LL		1.650	1.650	1.650	1.650	1.650	1.650
Min		2.554	2.536	2.543	2.529	2.540	2.501
Average		2.560	2.549	2.549	2.533	2.545	2.507
Max		2.568	2.564	2.557	2.540	2.554	2.515
UL		3.850	3.850	3.850	3.850	3.850	3.850

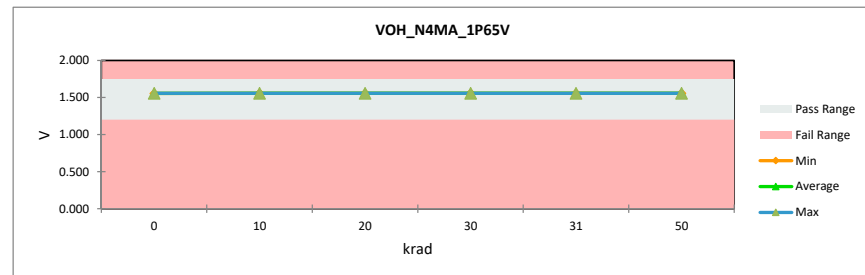


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VOH_N4MA_1P65V						
Units		V				
Max Limit		1.75				
Min Limit		1.2				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.557	1.555	-0.002	-0.13%	0.37%
0	2	1.557	1.555	-0.002	-0.14%	0.38%
0	3	1.557	1.555	-0.002	-0.13%	0.37%
0	4	1.557	1.557	-0.001	-0.03%	0.10%
0	5	1.557	1.557	0.000	0.00%	0.00%
10	6	1.557	1.557	0.000	0.02%	0.04%
10	7	1.557	1.556	0.000	-0.03%	0.08%
10	8	1.557	1.557	0.000	0.00%	0.00%
10	9	1.557	1.557	0.000	0.00%	0.00%
10	10	1.557	1.557	0.000	0.02%	0.06%
20	11	1.557	1.557	0.000	0.03%	0.07%
20	12	1.557	1.558	0.001	0.04%	0.12%
20	13	1.557	1.557	0.001	0.04%	0.10%
20	14	1.557	1.557	0.001	0.04%	0.11%
20	15	1.557	1.557	0.000	0.03%	0.08%
30	16	1.557	1.557	0.001	0.04%	0.11%
30	17	1.557	1.557	0.000	0.02%	0.05%
30	18	1.557	1.557	0.000	0.02%	0.06%
30	19	1.557	1.557	0.000	0.03%	0.08%
30	20	1.557	1.557	0.000	0.02%	0.06%
31	16a	1.557	1.556	0.000	-0.02%	0.06%
31	17a	1.557	1.557	0.000	-0.02%	0.05%
31	18a	1.557	1.556	0.000	-0.03%	0.07%
31	19a	1.557	1.557	0.000	-0.02%	0.06%
31	20a	1.557	1.556	-0.001	-0.03%	0.10%
50	21	1.557	1.557	0.000	0.02%	0.06%
50	22	1.557	1.557	0.000	0.01%	0.03%
50	23	1.557	1.557	0.000	0.02%	0.07%
50	24	1.557	1.557	0.000	0.01%	0.03%
50	25	1.557	1.557	0.000	0.02%	0.06%
Max		1.557	1.558	0.000	0.04%	0.38%
Average		1.557	1.557	0.000	-0.01%	0.09%
Min		1.557	1.555	-0.002	-0.14%	0.00%
Std Dev		0.000	0.001	0.001	0.05%	0.10%

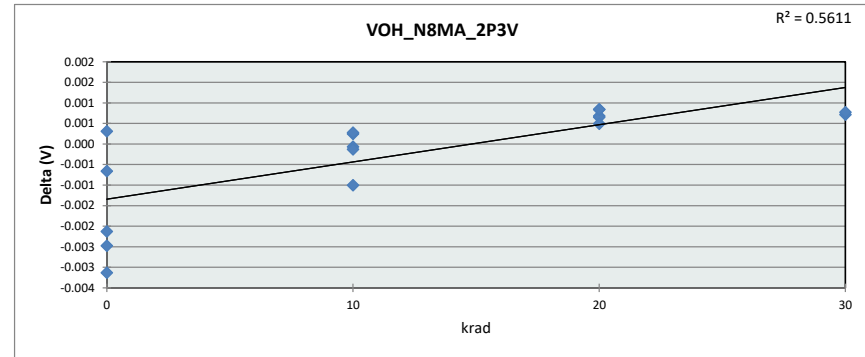


VOH_N4MA_1P65V						
Units		V				
Max Limit		1.75				
Min Limit		1.2				
krad	0	10	20	30	31	50
LL	1.200	1.200	1.200	1.200	1.200	1.200
Min	1.555	1.556	1.557	1.557	1.556	1.557
Average	1.556	1.557	1.557	1.557	1.557	1.557
Max	1.557	1.557	1.558	1.557	1.557	1.557
UL	1.750	1.750	1.750	1.750	1.750	1.750

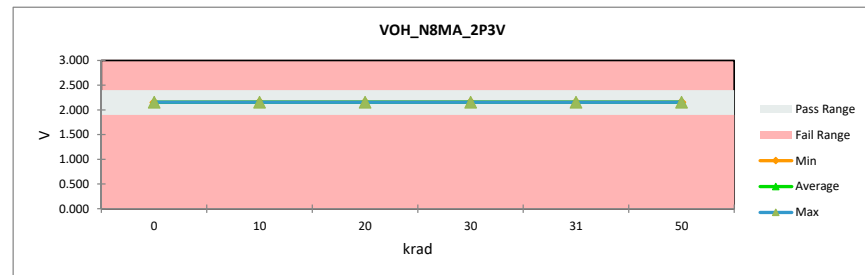


TID Report SN54SC1G08-SEP

		VOH_N8MA_2P3V				
Units		V				
Max Limit		2.4				
Min Limit		1.9				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.155	2.153	-0.002	-0.10%	0.43%
0	2	2.155	2.152	-0.003	-0.15%	0.63%
0	3	2.155	2.153	-0.002	-0.11%	0.50%
0	4	2.155	2.154	-0.001	-0.03%	0.13%
0	5	2.155	2.156	0.000	0.01%	0.06%
10	6	2.155	2.155	0.000	0.00%	0.01%
10	7	2.154	2.153	-0.001	-0.05%	0.20%
10	8	2.155	2.155	0.000	0.01%	0.05%
10	9	2.155	2.155	0.000	-0.01%	0.03%
10	10	2.155	2.155	0.000	0.01%	0.05%
20	11	2.155	2.155	0.001	0.03%	0.14%
20	12	2.155	2.155	0.001	0.03%	0.13%
20	13	2.155	2.156	0.001	0.04%	0.17%
20	14	2.154	2.155	0.001	0.04%	0.17%
20	15	2.154	2.155	0.000	0.02%	0.10%
30	16	2.155	2.155	0.001	0.03%	0.14%
30	17	2.155	2.156	0.001	0.04%	0.15%
30	18	2.154	2.155	0.001	0.04%	0.16%
30	19	2.155	2.156	0.001	0.04%	0.16%
30	20	2.155	2.155	0.001	0.03%	0.14%
31	16a	2.155	2.154	0.000	-0.02%	0.08%
31	17a	2.155	2.154	0.000	-0.02%	0.08%
31	18a	2.154	2.154	0.000	-0.01%	0.06%
31	19a	2.155	2.154	0.000	-0.02%	0.08%
31	20a	2.155	2.154	-0.001	-0.02%	0.10%
50	21	2.154	2.155	0.000	0.02%	0.07%
50	22	2.155	2.155	0.000	0.01%	0.04%
50	23	2.155	2.155	0.000	0.01%	0.03%
50	24	2.155	2.155	0.001	0.03%	0.11%
50	25	2.154	2.155	0.001	0.03%	0.13%
Max		2.155	2.156	0.000	0.04%	0.63%
Average		2.155	2.155	0.000	0.00%	0.14%
Min		2.154	2.152	-0.003	-0.15%	0.01%
Std Dev		0.000	0.001	0.001	0.05%	0.14%

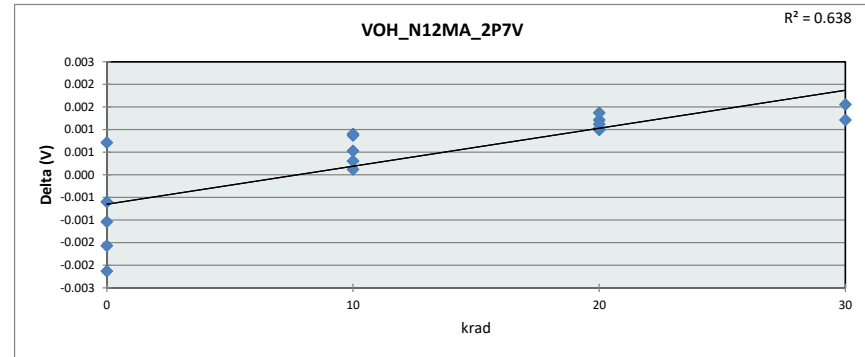


		VOH_N8MA_2P3V					
Units		V					
Max Limit		2.4					
Min Limit		1.9					
krad		0	10	20	30	31	50
LL		1.900	1.900	1.900	1.900	1.900	1.900
Min		2.152	2.153	2.155	2.155	2.154	2.155
Average		2.153	2.155	2.155	2.155	2.154	2.155
Max		2.156	2.155	2.156	2.156	2.154	2.155
UL		2.400	2.400	2.400	2.400	2.400	2.400

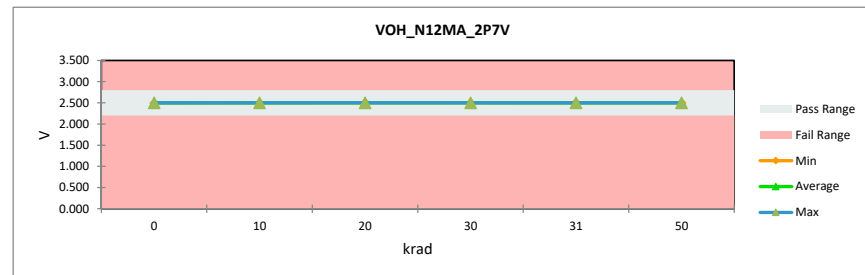


TID Report SN54SC1G08-SEP

		VOH_N12MA_2P7V				
		V				
		2.8				
		2.2				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.501	2.499	-0.002	-0.06%	0.26%
0	2	2.499	2.497	-0.002	-0.09%	0.36%
0	3	2.500	2.499	-0.001	-0.04%	0.17%
0	4	2.500	2.500	-0.001	-0.02%	0.10%
0	5	2.501	2.501	0.001	0.03%	0.12%
10	6	2.500	2.500	0.001	0.02%	0.09%
10	7	2.499	2.499	0.000	0.00%	0.02%
10	8	2.500	2.500	0.000	0.01%	0.05%
10	9	2.500	2.500	0.001	0.03%	0.14%
10	10	2.499	2.500	0.001	0.04%	0.15%
20	11	2.500	2.501	0.001	0.04%	0.17%
20	12	2.500	2.501	0.001	0.04%	0.17%
20	13	2.500	2.501	0.001	0.05%	0.20%
20	14	2.499	2.501	0.001	0.04%	0.19%
20	15	2.499	2.501	0.001	0.05%	0.23%
30	16	2.500	2.501	0.002	0.06%	0.26%
30	17	2.500	2.501	0.001	0.05%	0.20%
30	18	2.500	2.501	0.001	0.06%	0.25%
30	19	2.500	2.501	0.001	0.06%	0.25%
30	20	2.500	2.501	0.001	0.06%	0.23%
31	16a	2.500	2.500	0.000	0.00%	0.02%
31	17a	2.500	2.500	0.000	-0.01%	0.03%
31	18a	2.500	2.500	0.000	0.00%	0.00%
31	19a	2.500	2.500	0.000	0.00%	0.01%
31	20a	2.500	2.500	0.000	0.00%	0.00%
50	21	2.499	2.500	0.001	0.04%	0.18%
50	22	2.499	2.500	0.001	0.04%	0.15%
50	23	2.500	2.501	0.001	0.03%	0.14%
50	24	2.500	2.501	0.001	0.03%	0.13%
50	25	2.499	2.501	0.001	0.05%	0.20%
	Max	2.501	2.501	0.001	0.06%	0.36%
	Average	2.500	2.500	0.001	0.02%	0.15%
	Min	2.499	2.497	-0.002	-0.09%	0.00%
	Std Dev	0.000	0.001	0.001	0.04%	0.09%

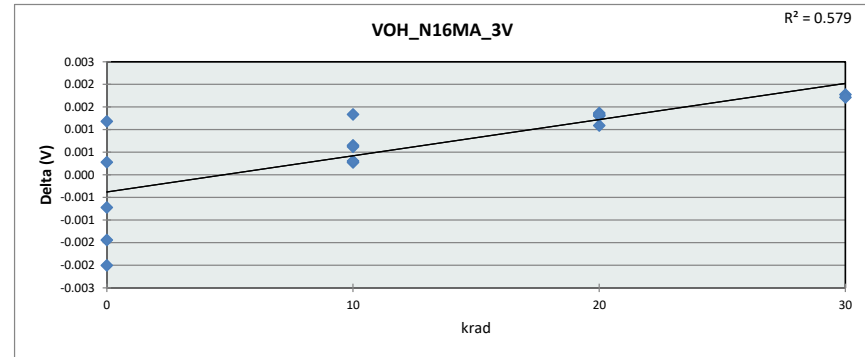


		VOH_N12MA_2P7V					
		V					
		2.8					
		2.2					
krad		0	10	20	30	31	50
LL		2.200	2.200	2.200	2.200	2.200	2.200
Min		2.497	2.499	2.501	2.501	2.500	2.500
Average		2.499	2.500	2.501	2.501	2.500	2.501
Max		2.501	2.500	2.501	2.501	2.500	2.501
UL		2.800	2.800	2.800	2.800	2.800	2.800

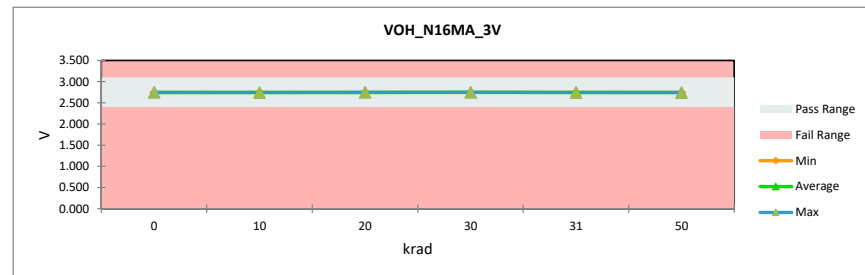


TID Report SN54SC1G08-SEP

		VOH_N16MA_3V				
		V				
		3.1				
		2.4				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.746	2.744	-0.001	-0.05%	0.21%
0	2	2.744	2.742	-0.002	-0.07%	0.29%
0	3	2.745	2.745	-0.001	-0.03%	0.10%
0	4	2.745	2.746	0.000	0.01%	0.04%
0	5	2.746	2.747	0.001	0.04%	0.17%
10	6	2.745	2.745	0.000	0.01%	0.04%
10	7	2.744	2.744	0.000	0.01%	0.04%
10	8	2.745	2.746	0.001	0.02%	0.09%
10	9	2.745	2.745	0.001	0.02%	0.09%
10	10	2.744	2.745	0.001	0.05%	0.19%
20	11	2.745	2.746	0.001	0.04%	0.16%
20	12	2.745	2.746	0.001	0.05%	0.19%
20	13	2.745	2.746	0.001	0.05%	0.19%
20	14	2.744	2.746	0.001	0.05%	0.20%
20	15	2.744	2.746	0.001	0.05%	0.19%
30	16	2.745	2.747	0.002	0.06%	0.25%
30	17	2.745	2.746	0.002	0.06%	0.24%
30	18	2.744	2.746	0.002	0.07%	0.27%
30	19	2.745	2.746	0.002	0.07%	0.28%
30	20	2.745	2.746	0.001	0.05%	0.21%
31	16a	2.745	2.745	0.000	-0.01%	0.02%
31	17a	2.745	2.745	0.000	0.00%	0.02%
31	18a	2.744	2.744	0.000	0.01%	0.03%
31	19a	2.745	2.745	0.000	0.01%	0.03%
31	20a	2.745	2.744	0.000	-0.01%	0.03%
50	21	2.744	2.745	0.001	0.04%	0.16%
50	22	2.744	2.745	0.001	0.04%	0.17%
50	23	2.745	2.746	0.001	0.04%	0.16%
50	24	2.745	2.746	0.001	0.04%	0.16%
50	25	2.744	2.746	0.001	0.05%	0.19%
	Max	2.746	2.747	0.001	0.07%	0.29%
	Average	2.745	2.745	0.001	0.03%	0.15%
	Min	2.744	2.742	-0.002	-0.07%	0.02%
	Std Dev	0.000	0.001	0.000	0.03%	0.08%

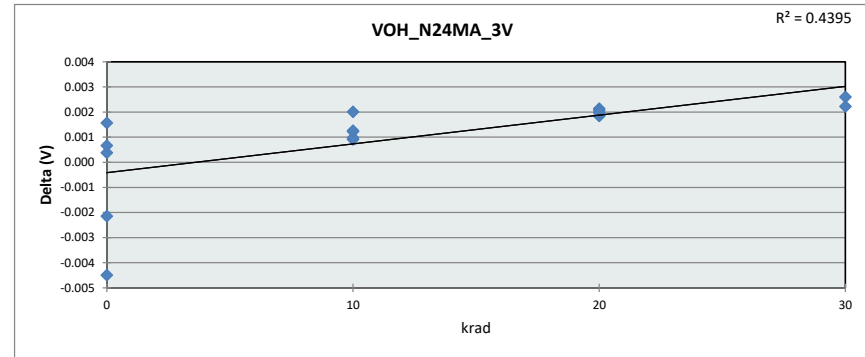


		VOH_N16MA_3V					
		V					
		3.1					
		2.4					
krad		0	10	20	30	31	50
LL		2.400	2.400	2.400	2.400	2.400	2.400
Min		2.742	2.744	2.746	2.746	2.744	2.745
Average		2.745	2.745	2.746	2.746	2.745	2.746
Max		2.747	2.746	2.746	2.747	2.745	2.746
UL		3.100	3.100	3.100	3.100	3.100	3.100

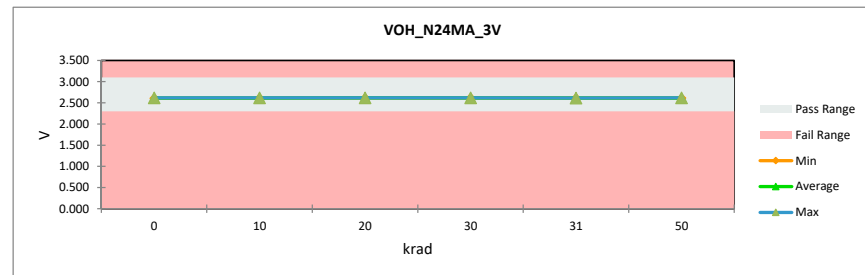


TID Report SN54SC1G08-SEP

		VOH_N24MA_3V				
Units		V				
Max Limit		3.1				
Min Limit		2.3				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.615	2.613	-0.002	-0.08%	0.27%
0	2	2.613	2.609	-0.004	-0.17%	0.56%
0	3	2.615	2.615	0.000	0.01%	0.05%
0	4	2.614	2.615	0.001	0.03%	0.08%
0	5	2.615	2.617	0.002	0.06%	0.20%
10	6	2.614	2.615	0.001	0.03%	0.11%
10	7	2.613	2.614	0.001	0.04%	0.12%
10	8	2.614	2.615	0.001	0.05%	0.15%
10	9	2.614	2.615	0.001	0.05%	0.16%
10	10	2.613	2.615	0.002	0.08%	0.25%
20	11	2.614	2.616	0.002	0.07%	0.23%
20	12	2.613	2.616	0.002	0.08%	0.27%
20	13	2.614	2.616	0.002	0.08%	0.26%
20	14	2.613	2.615	0.002	0.07%	0.23%
20	15	2.613	2.615	0.002	0.08%	0.25%
30	16	2.614	2.616	0.003	0.10%	0.32%
30	17	2.614	2.616	0.002	0.09%	0.28%
30	18	2.613	2.616	0.002	0.09%	0.31%
30	19	2.614	2.616	0.003	0.10%	0.33%
30	20	2.614	2.616	0.002	0.09%	0.28%
31	16a	2.614	2.614	0.000	0.00%	0.00%
31	17a	2.614	2.614	0.000	0.00%	0.01%
31	18a	2.613	2.613	0.000	0.00%	0.00%
31	19a	2.614	2.614	0.000	0.00%	0.01%
31	20a	2.614	2.614	0.000	-0.01%	0.03%
50	21	2.613	2.614	0.002	0.07%	0.22%
50	22	2.613	2.615	0.002	0.07%	0.23%
50	23	2.614	2.616	0.002	0.07%	0.22%
50	24	2.613	2.615	0.002	0.07%	0.22%
50	25	2.613	2.615	0.002	0.07%	0.24%
Max		2.615	2.617	0.002	0.10%	0.56%
Average		2.614	2.615	0.001	0.04%	0.20%
Min		2.613	2.609	-0.004	-0.17%	0.00%
Std Dev		0.001	0.002	0.001	0.06%	0.12%

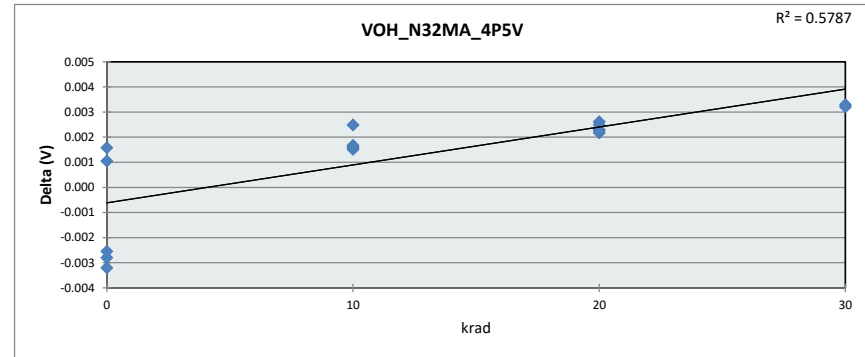


		VOH_N24MA_3V					
Units		V					
Max Limit		3.1					
Min Limit		2.3					
krad		0	10	20	30	31	50
LL		2.300	2.300	2.300	2.300	2.300	2.300
Min		2.609	2.614	2.615	2.616	2.613	2.614
Average		2.614	2.615	2.616	2.616	2.614	2.615
Max		2.617	2.615	2.616	2.616	2.614	2.616
UL		3.100	3.100	3.100	3.100	3.100	3.100

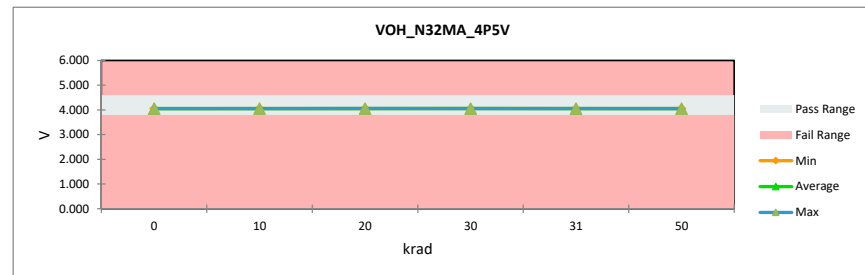


TID Report SN54SC1G08-SEP

		VOH_N32MA_4P5V				
Units		V				
Max Limit		4.6				
Min Limit		3.8				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	4.055	4.052	-0.003	-0.07%	0.35%
0	2	4.053	4.050	-0.003	-0.06%	0.32%
0	3	4.054	4.051	-0.003	-0.08%	0.40%
0	4	4.054	4.055	0.001	0.03%	0.13%
0	5	4.055	4.057	0.002	0.04%	0.20%
10	6	4.053	4.055	0.002	0.04%	0.20%
10	7	4.052	4.054	0.002	0.04%	0.19%
10	8	4.053	4.055	0.002	0.04%	0.21%
10	9	4.053	4.055	0.002	0.04%	0.20%
10	10	4.052	4.055	0.002	0.06%	0.31%
20	11	4.053	4.055	0.002	0.05%	0.27%
20	12	4.053	4.055	0.003	0.06%	0.33%
20	13	4.055	4.057	0.002	0.06%	0.31%
20	14	4.053	4.055	0.002	0.06%	0.28%
20	15	4.053	4.055	0.002	0.06%	0.29%
30	16	4.054	4.057	0.003	0.08%	0.41%
30	17	4.053	4.057	0.003	0.08%	0.40%
30	18	4.053	4.056	0.003	0.08%	0.42%
30	19	4.053	4.056	0.003	0.07%	0.36%
30	20	4.054	4.056	0.003	0.07%	0.36%
31	16a	4.054	4.054	0.001	0.01%	0.07%
31	17a	4.053	4.054	0.001	0.01%	0.07%
31	18a	4.053	4.054	0.001	0.02%	0.10%
31	19a	4.053	4.054	0.000	0.01%	0.05%
31	20a	4.054	4.054	0.000	0.01%	0.04%
50	21	4.052	4.054	0.003	0.07%	0.33%
50	22	4.052	4.054	0.002	0.06%	0.30%
50	23	4.054	4.057	0.003	0.07%	0.35%
50	24	4.052	4.055	0.002	0.06%	0.31%
50	25	4.053	4.055	0.003	0.06%	0.33%
	Max	4.055	4.057	0.002	0.08%	0.42%
	Average	4.053	4.055	0.002	0.04%	0.26%
	Min	4.052	4.050	-0.002	-0.08%	0.04%
	Std Dev	0.001	0.002	0.001	0.04%	0.11%

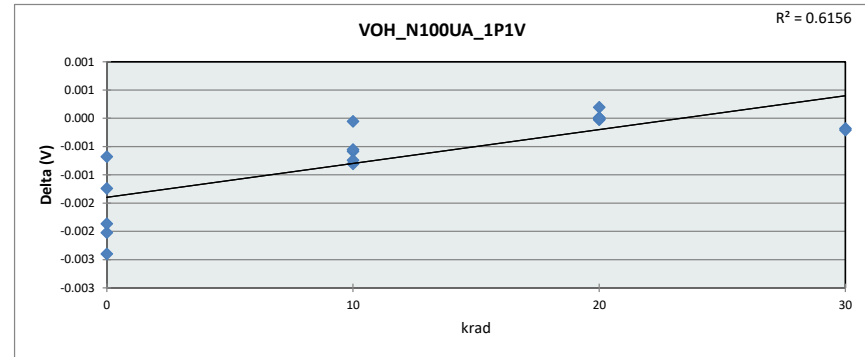


		VOH_N32MA_4P5V					
Units		V					
Max Limit		4.6					
Min Limit		3.8					
krad		0	10	20	30	31	50
LL		3.800	3.800	3.800	3.800	3.800	3.800
Min		4.050	4.054	4.055	4.056	4.054	4.054
Average		4.053	4.055	4.056	4.056	4.054	4.055
Max		4.057	4.055	4.057	4.057	4.054	4.057
UL		4.600	4.600	4.600	4.600	4.600	4.600

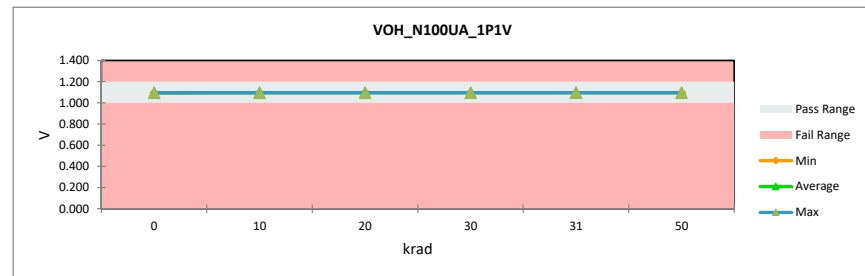


TID Report SN54SC1G08-SEP

		VOH_N100UA_1P1V				
Units		V				
Max Limit		1.2				
Min Limit		1				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.096	1.093	-0.002	-0.22%	1.20%
0	2	1.096	1.094	-0.002	-0.18%	1.01%
0	3	1.096	1.094	-0.002	-0.17%	0.93%
0	4	1.096	1.095	-0.001	-0.11%	0.62%
0	5	1.096	1.095	-0.001	-0.06%	0.34%
10	6	1.096	1.095	-0.001	-0.05%	0.29%
10	7	1.096	1.095	-0.001	-0.07%	0.40%
10	8	1.096	1.095	-0.001	-0.07%	0.37%
10	9	1.096	1.095	-0.001	-0.05%	0.28%
10	10	1.096	1.096	0.000	-0.01%	0.03%
20	11	1.096	1.096	0.000	0.00%	0.01%
20	12	1.096	1.096	0.000	0.00%	0.01%
20	13	1.096	1.096	0.000	0.00%	0.00%
20	14	1.096	1.096	0.000	0.02%	0.10%
20	15	1.096	1.096	0.000	0.00%	0.00%
30	16	1.096	1.096	0.000	-0.02%	0.09%
30	17	1.096	1.096	0.000	-0.02%	0.11%
30	18	1.096	1.096	0.000	0.01%	0.07%
30	19	1.096	1.096	0.000	0.01%	0.04%
30	20	1.096	1.096	0.000	0.01%	0.04%
31	16a	1.096	1.096	0.000	-0.03%	0.15%
31	17a	1.096	1.096	0.000	-0.02%	0.09%
31	18a	1.096	1.096	0.000	0.02%	0.10%
31	19a	1.096	1.096	0.000	0.00%	0.01%
31	20a	1.096	1.096	0.000	0.01%	0.07%
50	21	1.096	1.096	0.000	-0.01%	0.06%
50	22	1.096	1.096	0.000	-0.01%	0.07%
50	23	1.096	1.096	0.000	0.00%	0.00%
50	24	1.096	1.096	0.000	0.00%	0.01%
50	25	1.096	1.096	0.000	0.01%	0.07%
Max		1.096	1.096	0.000	0.02%	1.20%
Average		1.096	1.095	0.000	-0.03%	0.22%
Min		1.096	1.093	-0.002	-0.22%	0.00%
Std Dev		0.000	0.001	0.001	0.06%	0.32%

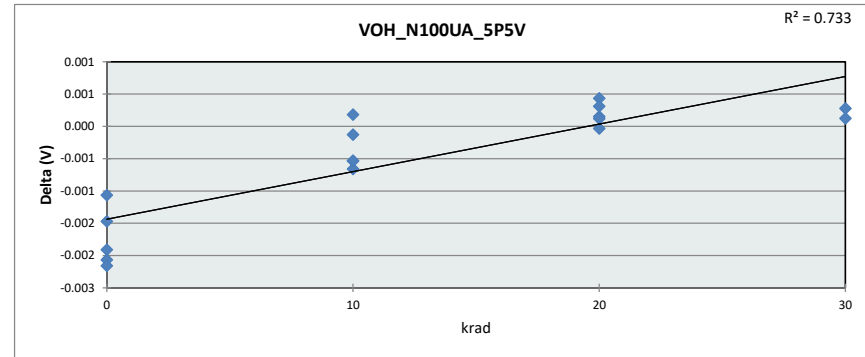


		VOH_N100UA_1P1V				
Units		V				
Max Limit		1.2				
Min Limit		1				
krad	0	10	20	30	31	50
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	1.093	1.095	1.096	1.096	1.096	1.096
Average	1.094	1.095	1.096	1.096	1.096	1.096
Max	1.095	1.096	1.096	1.096	1.096	1.096
UL	1.200	1.200	1.200	1.200	1.200	1.200

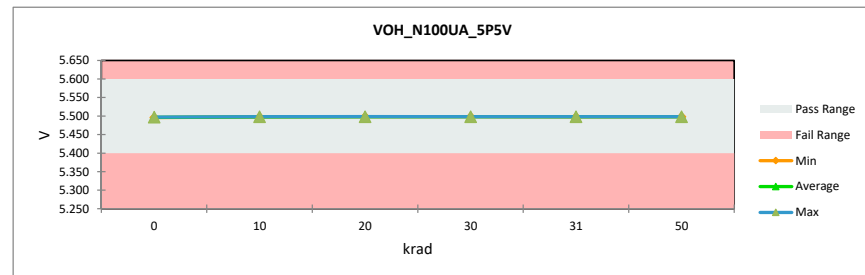


TID Report SN54SC1G08-SEP

VOH_N100UA_5P5V						
Units	V					
Max Limit	5.6					
Min Limit	5.4					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	5.498	5.496	-0.002	-0.03%	0.95%
0	2	5.498	5.496	-0.002	-0.04%	1.03%
0	3	5.498	5.496	-0.002	-0.04%	1.08%
0	4	5.498	5.497	-0.001	-0.03%	0.74%
0	5	5.498	5.497	-0.001	-0.02%	0.53%
10	6	5.498	5.498	0.000	0.00%	0.06%
10	7	5.498	5.498	-0.001	-0.01%	0.33%
10	8	5.498	5.498	-0.001	-0.01%	0.27%
10	9	5.498	5.498	-0.001	-0.01%	0.27%
10	10	5.498	5.498	0.000	0.00%	0.09%
20	11	5.498	5.499	0.000	0.01%	0.22%
20	12	5.498	5.498	0.000	0.00%	0.08%
20	13	5.498	5.498	0.000	0.00%	0.06%
20	14	5.498	5.498	0.000	0.00%	0.02%
20	15	5.498	5.498	0.000	0.01%	0.15%
30	16	5.498	5.498	0.000	0.00%	0.06%
30	17	5.498	5.498	0.000	0.01%	0.14%
30	18	5.498	5.499	0.000	0.01%	0.17%
30	19	5.498	5.498	0.000	0.01%	0.15%
30	20	5.498	5.498	0.000	0.01%	0.19%
31	16a	5.498	5.498	0.000	0.00%	0.05%
31	17a	5.498	5.498	0.000	0.00%	0.05%
31	18a	5.498	5.498	0.000	0.00%	0.05%
31	19a	5.498	5.498	0.000	0.00%	0.02%
31	20a	5.498	5.498	0.000	0.00%	0.10%
50	21	5.498	5.498	0.000	0.01%	0.22%
50	22	5.498	5.498	0.000	0.01%	0.23%
50	23	5.498	5.498	0.000	0.01%	0.15%
50	24	5.498	5.498	0.000	0.01%	0.15%
50	25	5.498	5.498	0.000	0.01%	0.20%
Max	5.498	5.499	0.000	0.01%	1.08%	
Average	5.498	5.498	0.000	0.00%	0.26%	
Min	5.498	5.496	-0.002	-0.04%	0.02%	
Std Dev	0.000	0.001	0.001	0.01%	0.30%	

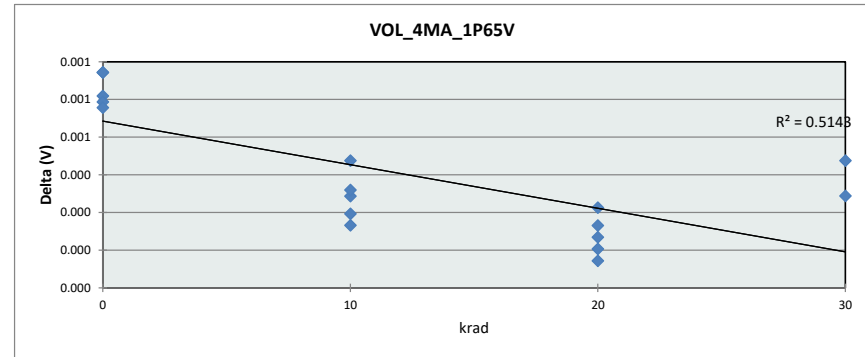


VOH_N100UA_5P5V						
Units	V					
Max Limit	5.6					
Min Limit	5.4					
krad	0	10	20	30	31	50
LL	5.400	5.400	5.400	5.400	5.400	5.400
Min	5.496	5.498	5.498	5.498	5.498	5.498
Average	5.496	5.498	5.498	5.498	5.498	5.498
Max	5.497	5.498	5.499	5.499	5.498	5.498
UL	5.600	5.600	5.600	5.600	5.600	5.600

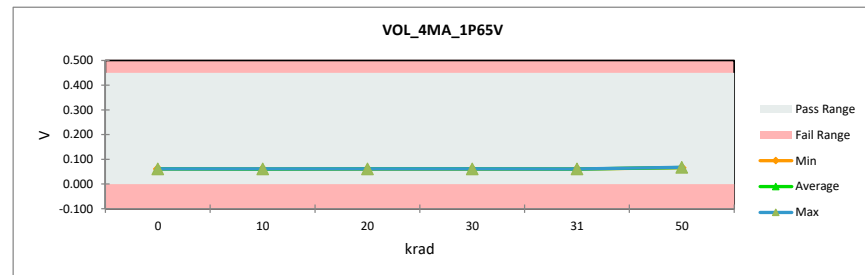


TID Report SN54SC1G08-SEP

VOL_4MA_1P65V						
Units		V				
Max Limit		0.45				
Min Limit		-0.001				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.060	0.061	0.001	1.36%	0.18%
0	2	0.060	0.061	0.001	1.57%	0.21%
0	3	0.061	0.061	0.001	1.30%	0.17%
0	4	0.061	0.062	0.001	1.24%	0.17%
0	5	0.060	0.061	0.001	1.57%	0.21%
10	6	0.060	0.060	0.000	0.48%	0.06%
10	7	0.061	0.062	0.000	0.52%	0.07%
10	8	0.060	0.060	0.000	0.32%	0.04%
10	9	0.060	0.061	0.000	0.79%	0.11%
10	10	0.061	0.061	0.000	0.21%	0.03%
20	11	0.061	0.061	0.000	0.11%	0.02%
20	12	0.060	0.060	0.000	0.22%	0.03%
20	13	0.061	0.061	0.000	-0.09%	0.01%
20	14	0.061	0.061	0.000	0.01%	0.00%
20	15	0.061	0.061	0.000	0.37%	0.05%
30	16	0.060	0.061	0.000	0.48%	0.06%
30	17	0.061	0.061	0.000	0.78%	0.11%
30	18	0.061	0.061	0.000	0.78%	0.11%
30	19	0.061	0.061	0.000	0.63%	0.08%
30	20	0.061	0.061	0.000	0.42%	0.06%
31	16a	0.060	0.060	0.000	-0.16%	0.02%
31	17a	0.061	0.061	0.000	-0.01%	0.00%
31	18a	0.061	0.060	0.000	-0.67%	0.09%
31	19a	0.061	0.061	0.000	-0.21%	0.03%
31	20a	0.061	0.061	0.000	-0.47%	0.06%
50	21	0.061	0.067	0.007	10.89%	1.46%
50	22	0.060	0.067	0.007	11.20%	1.49%
50	23	0.061	0.068	0.007	10.93%	1.48%
50	24	0.060	0.066	0.006	10.41%	1.38%
50	25	0.060	0.067	0.006	10.09%	1.35%
Max		0.061	0.068	0.006	11.20%	1.49%
Average		0.061	0.062	0.001	2.17%	0.30%
Min		0.060	0.060	0.000	-0.67%	0.00%
Std Dev		0.000	0.002	0.002	3.93%	0.52%

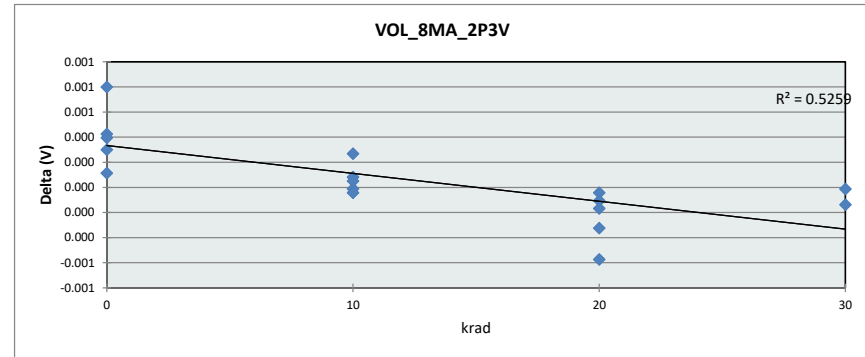


VOL_4MA_1P65V						
Units		V				
Max Limit		0.45				
Min Limit		-0.001				
krad	0	10	20	30	31	50
LL	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
Min	0.061	0.060	0.060	0.061	0.060	0.066
Average	0.061	0.061	0.061	0.061	0.061	0.067
Max	0.062	0.062	0.061	0.061	0.061	0.068
UL	0.450	0.450	0.450	0.450	0.450	0.450

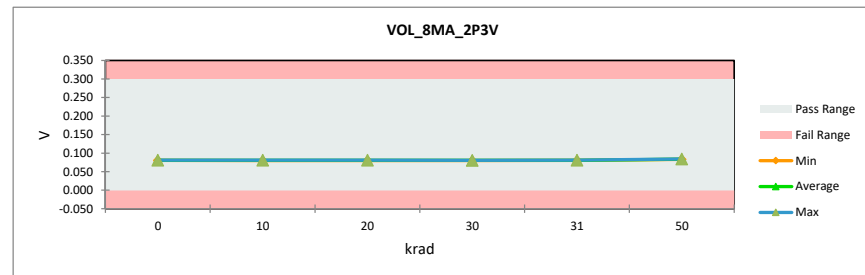


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		VOL_8MA_2P3V				
Units		V				
Max Limit		0.3				
Min Limit		-0.001				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.080	0.080	0.000	0.37%	0.10%
0	2	0.081	0.081	0.000	0.14%	0.04%
0	3	0.080	0.081	0.000	0.53%	0.14%
0	4	0.080	0.081	0.000	0.49%	0.13%
0	5	0.080	0.080	0.001	1.00%	0.27%
10	6	0.080	0.080	0.000	0.10%	0.03%
10	7	0.081	0.081	0.000	-0.01%	0.00%
10	8	0.080	0.080	0.000	0.34%	0.09%
10	9	0.080	0.080	0.000	-0.05%	0.01%
10	10	0.081	0.081	0.000	0.06%	0.02%
20	11	0.081	0.081	0.000	-0.40%	0.11%
20	12	0.080	0.080	0.000	-0.05%	0.01%
20	13	0.080	0.080	0.000	-0.13%	0.04%
20	14	0.081	0.080	-0.001	-0.71%	0.19%
20	15	0.081	0.081	0.000	-0.21%	0.06%
30	16	0.080	0.080	0.000	-0.02%	0.00%
30	17	0.080	0.080	0.000	-0.17%	0.05%
30	18	0.080	0.081	0.000	0.22%	0.06%
30	19	0.081	0.080	0.000	-0.17%	0.05%
30	20	0.081	0.081	0.000	-0.32%	0.09%
31	16a	0.080	0.080	0.000	0.19%	0.05%
31	17a	0.080	0.080	0.000	0.00%	0.00%
31	18a	0.080	0.080	0.000	-0.04%	0.01%
31	19a	0.081	0.080	0.000	-0.47%	0.13%
31	20a	0.081	0.081	0.000	-0.08%	0.02%
50	21	0.081	0.084	0.003	3.85%	1.03%
50	22	0.080	0.084	0.003	4.11%	1.10%
50	23	0.081	0.084	0.003	4.20%	1.13%
50	24	0.080	0.083	0.003	4.17%	1.11%
50	25	0.080	0.083	0.003	4.04%	1.08%
	Max	0.081	0.084	0.003	4.20%	1.13%
	Average	0.080	0.081	0.001	0.70%	0.24%
	Min	0.080	0.080	0.000	-0.71%	0.00%
	Std Dev	0.000	0.001	0.001	1.57%	0.39%

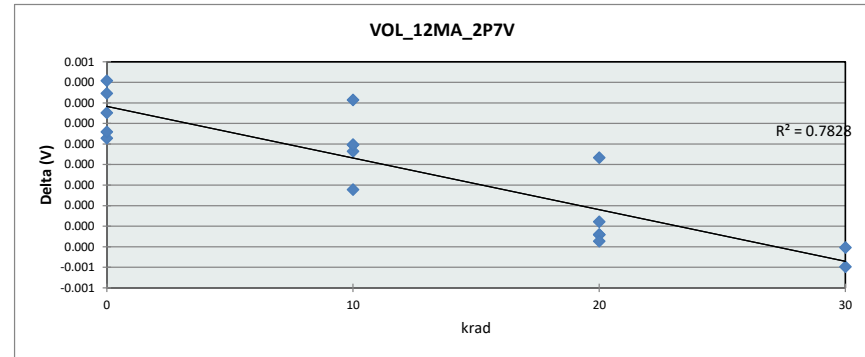


		VOL_8MA_2P3V				
Units		V				
Max Limit		0.3				
Min Limit		-0.001				
krad	0	10	20	30	31	50
LL	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
Min	0.080	0.080	0.080	0.080	0.080	0.083
Average	0.081	0.080	0.080	0.080	0.080	0.084
Max	0.081	0.081	0.081	0.081	0.081	0.084
UL	0.300	0.300	0.300	0.300	0.300	0.300

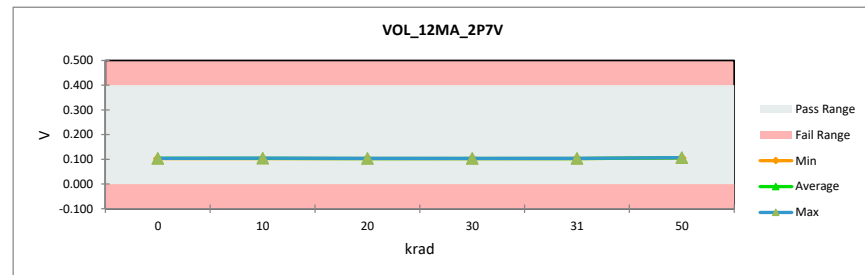


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VOL_12MA_2P7V						
Units		V				
Max Limit		0.4				
Min Limit		-0.001				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.103	0.103	0.000	0.25%	0.06%
0	2	0.104	0.104	0.000	0.12%	0.03%
0	3	0.103	0.103	0.000	0.34%	0.09%
0	4	0.104	0.104	0.000	0.15%	0.04%
0	5	0.103	0.103	0.000	0.40%	0.10%
10	6	0.102	0.103	0.000	0.31%	0.08%
10	7	0.104	0.104	0.000	-0.12%	0.03%
10	8	0.103	0.103	0.000	0.09%	0.02%
10	9	0.103	0.103	0.000	0.06%	0.02%
10	10	0.104	0.104	0.000	0.09%	0.02%
20	11	0.104	0.104	0.000	-0.27%	0.07%
20	12	0.103	0.103	0.000	0.03%	0.01%
20	13	0.103	0.103	0.000	-0.33%	0.09%
20	14	0.103	0.103	0.000	-0.33%	0.09%
20	15	0.104	0.103	0.000	-0.36%	0.09%
30	16	0.103	0.103	0.000	-0.48%	0.12%
30	17	0.103	0.103	0.000	-0.39%	0.10%
30	18	0.103	0.103	0.000	-0.15%	0.04%
30	19	0.103	0.103	0.000	-0.36%	0.09%
30	20	0.104	0.104	0.000	-0.33%	0.09%
31	16a	0.103	0.103	0.000	-0.09%	0.02%
31	17a	0.103	0.103	0.000	-0.22%	0.06%
31	18a	0.103	0.103	0.000	-0.28%	0.07%
31	19a	0.103	0.103	0.000	-0.28%	0.07%
31	20a	0.104	0.104	0.000	-0.24%	0.06%
50	21	0.104	0.106	0.003	2.54%	0.66%
50	22	0.103	0.106	0.003	2.82%	0.73%
50	23	0.104	0.107	0.003	2.99%	0.77%
50	24	0.103	0.106	0.003	2.83%	0.73%
50	25	0.103	0.106	0.003	2.60%	0.67%
Max		0.104	0.107	0.003	2.99%	0.77%
Average		0.103	0.104	0.000	0.38%	0.17%
Min		0.102	0.103	0.000	-0.48%	0.01%
Std Dev		0.000	0.001	0.001	1.11%	0.25%

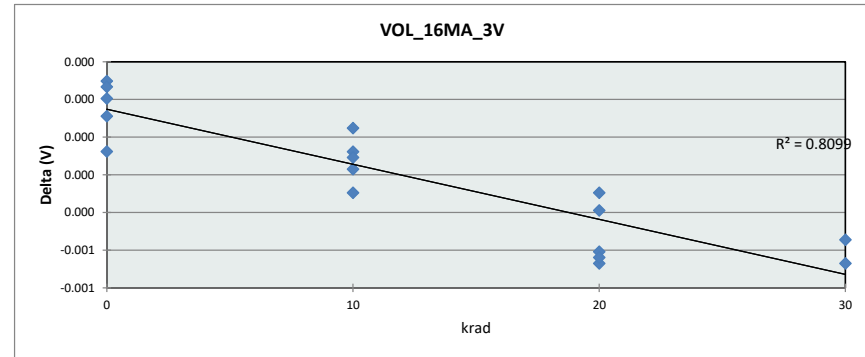


VOL_12MA_2P7V						
Units		V				
Max Limit		0.4				
Min Limit		-0.001				
krad	0	10	20	30	31	50
LL	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
Min	0.103	0.103	0.103	0.103	0.103	0.106
Average	0.103	0.103	0.103	0.103	0.103	0.106
Max	0.104	0.104	0.104	0.104	0.104	0.107
UL	0.400	0.400	0.400	0.400	0.400	0.400

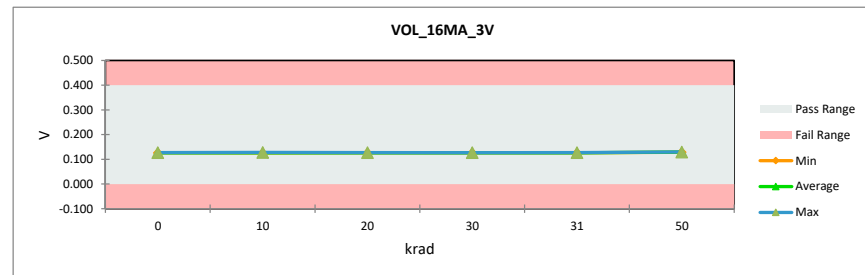


TID Report SN54SC1G08-SEP

		VOL_16MA_3V				
Units		V				
Max Limit		0.4				
Min Limit		-0.001				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.126	0.126	0.000	0.24%	0.07%
0	2	0.127	0.127	0.000	-0.06%	0.02%
0	3	0.127	0.127	0.000	0.09%	0.03%
0	4	0.127	0.127	0.000	0.16%	0.05%
0	5	0.126	0.126	0.000	0.21%	0.07%
10	6	0.126	0.126	0.000	-0.06%	0.02%
10	7	0.127	0.127	0.000	-0.08%	0.03%
10	8	0.126	0.126	0.000	0.04%	0.01%
10	9	0.126	0.126	0.000	-0.23%	0.07%
10	10	0.128	0.127	0.000	-0.13%	0.04%
20	11	0.127	0.127	0.000	-0.23%	0.07%
20	12	0.127	0.126	0.000	-0.31%	0.10%
20	13	0.127	0.126	-0.001	-0.48%	0.15%
20	14	0.127	0.126	-0.001	-0.53%	0.17%
20	15	0.127	0.126	-0.001	-0.50%	0.16%
30	16	0.127	0.126	-0.001	-0.53%	0.17%
30	17	0.126	0.126	-0.001	-0.43%	0.14%
30	18	0.127	0.126	-0.001	-0.43%	0.14%
30	19	0.127	0.126	-0.001	-0.63%	0.20%
30	20	0.127	0.127	-0.001	-0.45%	0.14%
31	16a	0.127	0.126	0.000	-0.27%	0.09%
31	17a	0.126	0.126	0.000	-0.08%	0.02%
31	18a	0.127	0.126	-0.001	-0.42%	0.13%
31	19a	0.127	0.127	0.000	-0.20%	0.06%
31	20a	0.127	0.127	0.000	-0.08%	0.02%
50	21	0.127	0.130	0.003	2.06%	0.65%
50	22	0.127	0.129	0.002	1.93%	0.61%
50	23	0.127	0.130	0.003	1.98%	0.63%
50	24	0.126	0.129	0.003	2.07%	0.65%
50	25	0.127	0.129	0.002	1.76%	0.56%
	Max	0.128	0.130	0.002	2.07%	0.65%
	Average	0.127	0.127	0.000	0.15%	0.18%
	Min	0.126	0.126	0.000	-0.63%	0.01%
	Std Dev	0.000	0.001	0.001	0.86%	0.21%

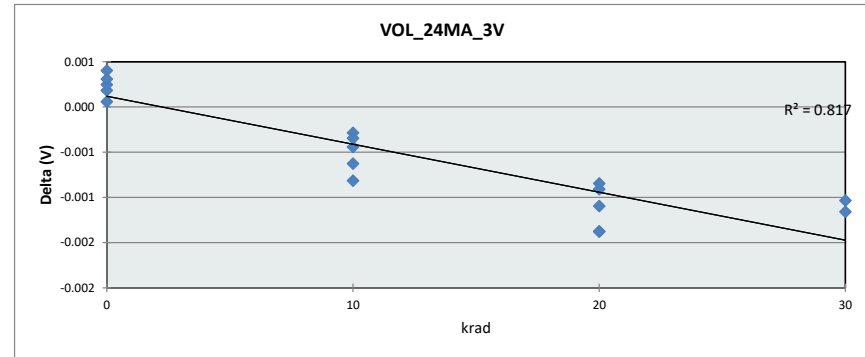


		VOL_16MA_3V							
Units		V							
Max Limit		0.4							
Min Limit		-0.001							
krad		0	10	20	30	31	50		
LL		-0.001	-0.001	-0.001	-0.001	-0.001	-0.001		
Min		0.126	0.126	0.126	0.126	0.126	0.129		
Average		0.127	0.127	0.126	0.126	0.127	0.129		
Max		0.127	0.127	0.127	0.127	0.127	0.130		
UL		0.400	0.400	0.400	0.400	0.400	0.400		

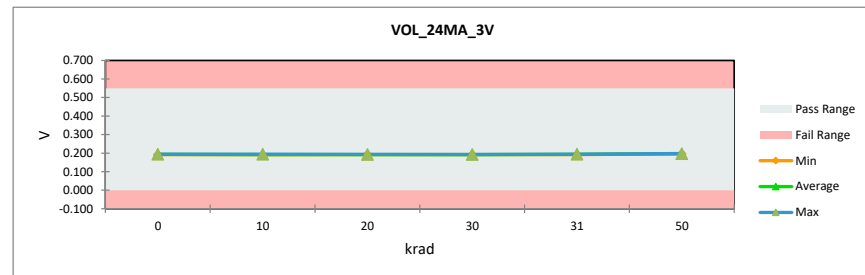


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		VOL_24MA_3V				
Units		V				
Max Limit		0.55				
Min Limit		-0.001				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.192	0.192	0.000	0.10%	0.03%
0	2	0.193	0.194	0.000	0.13%	0.04%
0	3	0.193	0.193	0.000	0.03%	0.01%
0	4	0.193	0.193	0.000	0.21%	0.07%
0	5	0.192	0.192	0.000	0.16%	0.06%
10	6	0.192	0.191	0.000	-0.15%	0.05%
10	7	0.194	0.194	-0.001	-0.32%	0.11%
10	8	0.192	0.192	0.000	-0.23%	0.08%
10	9	0.192	0.192	-0.001	-0.42%	0.15%
10	10	0.194	0.194	0.000	-0.18%	0.06%
20	11	0.194	0.193	-0.001	-0.44%	0.15%
20	12	0.193	0.192	-0.001	-0.57%	0.20%
20	13	0.193	0.192	-0.001	-0.47%	0.17%
20	14	0.194	0.192	-0.001	-0.71%	0.25%
20	15	0.193	0.192	-0.001	-0.71%	0.25%
30	16	0.193	0.192	-0.001	-0.60%	0.21%
30	17	0.193	0.192	-0.001	-0.54%	0.19%
30	18	0.193	0.192	-0.001	-0.52%	0.18%
30	19	0.193	0.192	-0.001	-0.70%	0.24%
30	20	0.194	0.193	-0.002	-0.77%	0.27%
31	16a	0.193	0.193	0.000	-0.13%	0.05%
31	17a	0.193	0.192	0.000	-0.21%	0.07%
31	18a	0.193	0.192	-0.001	-0.29%	0.10%
31	19a	0.193	0.193	0.000	-0.25%	0.09%
31	20a	0.194	0.194	0.000	-0.20%	0.07%
50	21	0.193	0.197	0.004	1.95%	0.69%
50	22	0.193	0.197	0.004	1.91%	0.67%
50	23	0.194	0.198	0.004	2.19%	0.77%
50	24	0.192	0.196	0.004	2.15%	0.75%
50	25	0.193	0.197	0.004	1.91%	0.67%
	Max	0.194	0.198	0.003	2.19%	0.77%
	Average	0.193	0.193	0.000	0.08%	0.22%
	Min	0.192	0.191	0.000	-0.77%	0.01%
	Std Dev	0.001	0.002	0.001	0.93%	0.23%



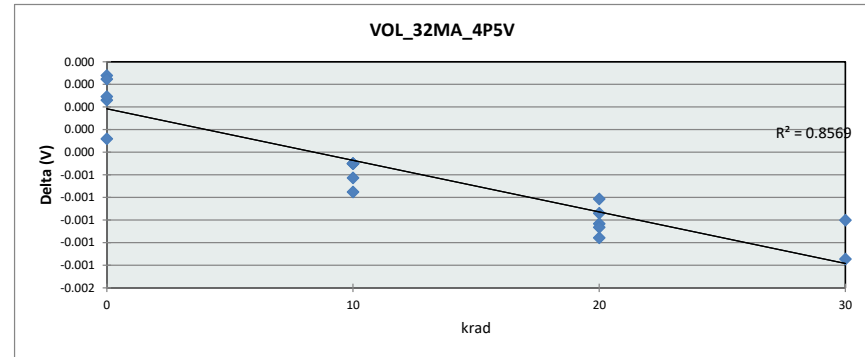
		VOL_24MA_3V							
Units		V							
Max Limit		0.55							
Min Limit		-0.001							
krad		0	10	20	30	31	50		
LL		-0.001	-0.001	-0.001	-0.001	-0.001	-0.001		
Min		0.192	0.191	0.192	0.192	0.192	0.196		
Average		0.193	0.192	0.192	0.192	0.193	0.197		
Max		0.194	0.194	0.193	0.193	0.194	0.198		
UL		0.550	0.550	0.550	0.550	0.550	0.550		



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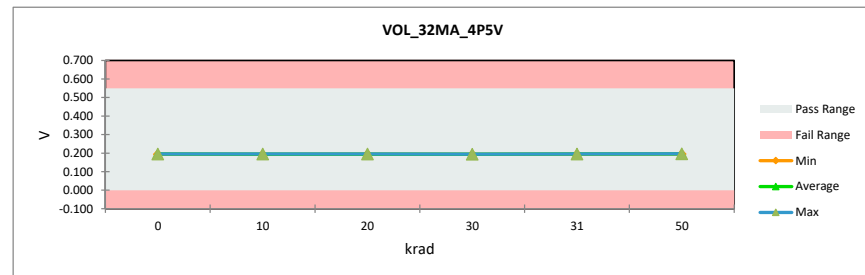
VOL_32MA_4P5V	
Units	V
Max Limit	0.55
Min Limit	-0.001

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.194	0.194	0.000	0.03%	0.01%
0	2	0.196	0.196	0.000	-0.14%	0.05%
0	3	0.195	0.195	0.000	0.05%	0.02%
0	4	0.195	0.195	0.000	0.14%	0.05%
0	5	0.194	0.194	0.000	0.13%	0.04%
10	6	0.194	0.194	-0.001	-0.39%	0.14%
10	7	0.196	0.195	-0.001	-0.26%	0.09%
10	8	0.195	0.195	-0.001	-0.26%	0.09%
10	9	0.195	0.194	-0.001	-0.32%	0.11%
10	10	0.196	0.196	-0.001	-0.26%	0.09%
20	11	0.196	0.195	-0.001	-0.42%	0.15%
20	12	0.195	0.194	-0.001	-0.53%	0.19%
20	13	0.195	0.194	-0.001	-0.48%	0.17%
20	14	0.195	0.194	-0.001	-0.59%	0.21%
20	15	0.195	0.194	-0.001	-0.54%	0.19%
30	16	0.195	0.194	-0.001	-0.69%	0.24%
30	17	0.194	0.193	-0.001	-0.52%	0.18%
30	18	0.195	0.194	-0.001	-0.66%	0.23%
30	19	0.195	0.194	-0.001	-0.50%	0.18%
30	20	0.196	0.194	-0.001	-0.69%	0.24%
31	16a	0.195	0.195	0.000	-0.20%	0.07%
31	17a	0.194	0.194	0.000	-0.05%	0.02%
31	18a	0.195	0.194	0.000	-0.24%	0.09%
31	19a	0.195	0.195	0.000	-0.13%	0.05%
31	20a	0.196	0.196	0.000	-0.11%	0.04%
50	21	0.195	0.196	0.001	0.38%	0.14%
50	22	0.196	0.196	0.000	0.16%	0.06%
50	23	0.196	0.196	0.001	0.38%	0.14%
50	24	0.195	0.195	0.001	0.40%	0.14%
50	25	0.195	0.195	0.000	0.16%	0.06%
	Max	0.196	0.196	0.000	0.40%	0.24%
	Average	0.195	0.195	0.000	-0.20%	0.12%
	Min	0.194	0.193	0.000	-0.69%	0.01%
	Std Dev	0.001	0.001	0.000	0.33%	0.07%



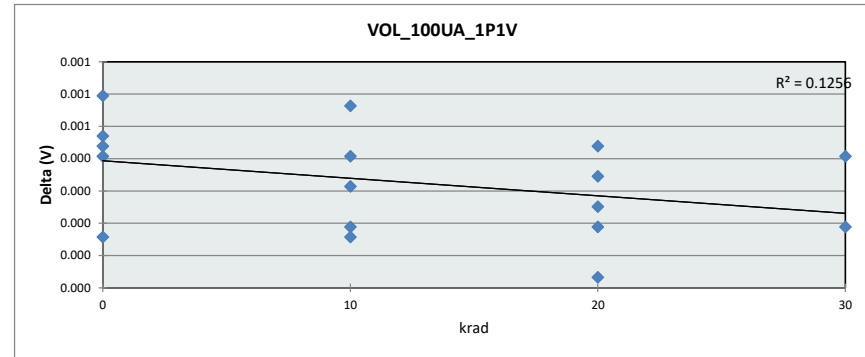
VOL_32MA_4P5V	
Units	V
Max Limit	0.55
Min Limit	-0.001

krad	0	10	20	30	31	50
LL	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
Min	0.194	0.194	0.194	0.193	0.194	0.195
Average	0.195	0.195	0.194	0.194	0.195	0.196
Max	0.196	0.196	0.195	0.194	0.196	0.196
UL	0.550	0.550	0.550	0.550	0.550	0.550

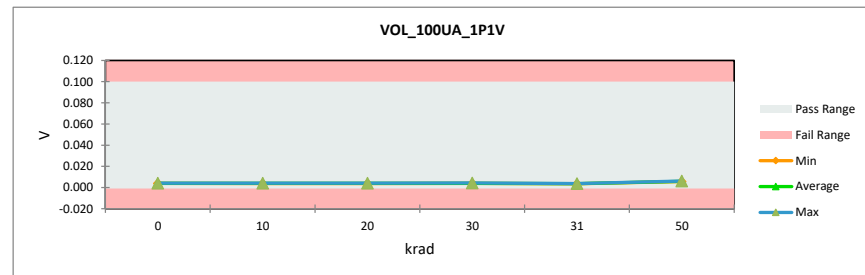


TID Report SN54SC1G08-SEP

		VOL_100UA_1P1V				
Units		V				
Max Limit		0.1				
Min Limit		-0.001				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.004	0.004	0.000	12.14%	0.43%
0	2	0.003	0.004	0.000	13.47%	0.47%
0	3	0.004	0.004	0.000	4.21%	0.16%
0	4	0.004	0.004	0.000	11.28%	0.40%
0	5	0.004	0.004	0.001	16.75%	0.59%
10	6	0.004	0.004	0.000	11.47%	0.40%
10	7	0.004	0.004	0.000	8.54%	0.31%
10	8	0.004	0.004	0.000	5.18%	0.19%
10	9	0.004	0.004	0.000	4.36%	0.16%
10	10	0.004	0.004	0.001	15.73%	0.56%
20	11	0.004	0.004	0.000	4.97%	0.19%
20	12	0.004	0.004	0.000	0.86%	0.03%
20	13	0.004	0.004	0.000	9.31%	0.34%
20	14	0.004	0.004	0.000	6.56%	0.25%
20	15	0.003	0.004	0.000	12.69%	0.43%
30	16	0.004	0.004	0.000	11.57%	0.40%
30	17	0.004	0.004	0.000	5.05%	0.19%
30	18	0.004	0.004	0.001	16.32%	0.59%
30	19	0.004	0.004	0.000	10.50%	0.37%
30	20	0.004	0.004	0.000	12.14%	0.43%
31	16a	0.004	0.004	0.000	4.38%	0.15%
31	17a	0.004	0.004	0.000	-1.73%	0.06%
31	18a	0.004	0.004	0.000	0.80%	0.03%
31	19a	0.004	0.004	0.000	4.30%	0.15%
31	20a	0.004	0.004	0.000	-1.79%	0.06%
50	21	0.004	0.006	0.002	67.76%	2.45%
50	22	0.004	0.006	0.002	56.62%	2.04%
50	23	0.004	0.006	0.002	64.89%	2.32%
50	24	0.004	0.006	0.002	61.29%	2.14%
50	25	0.004	0.006	0.002	54.36%	2.01%
	Max	0.004	0.006	0.002	67.76%	2.45%
	Average	0.004	0.004	0.001	16.80%	0.61%
	Min	0.003	0.004	0.000	-1.79%	0.03%
	Std Dev	0.000	0.001	0.001	20.80%	0.74%

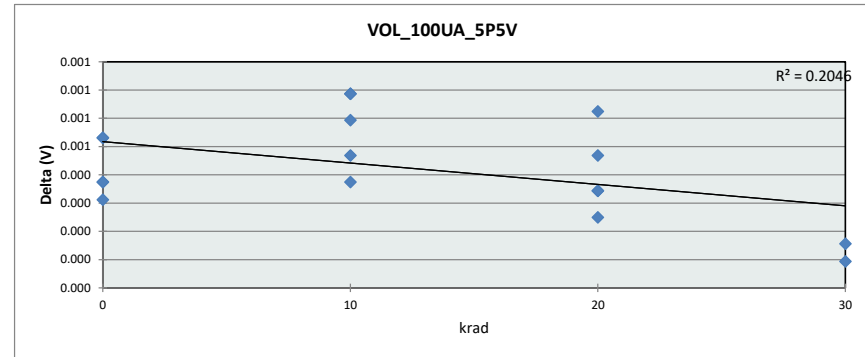


		VOL_100UA_1P1V					
Units		V					
Max Limit		0.1					
Min Limit		-0.001					
krad		0	10	20	30	31	50
LL		-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
Min		0.004	0.004	0.004	0.004	0.004	0.006
Average		0.004	0.004	0.004	0.004	0.004	0.006
Max		0.004	0.004	0.004	0.004	0.004	0.006
UL		0.100	0.100	0.100	0.100	0.100	0.100

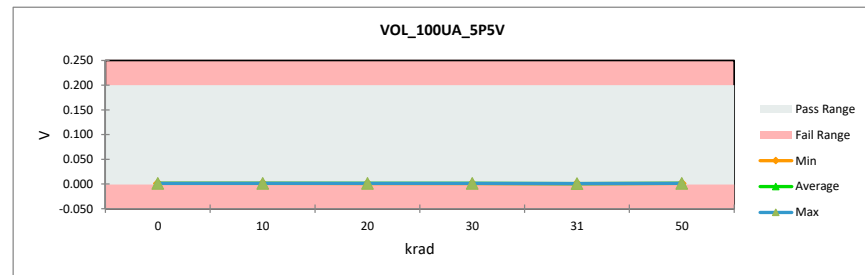


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		VOL_100UA_5P5V				
Units		V				
Max Limit		0.2				
Min Limit		-0.001				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.001	0.001	0.000	38.84%	0.16%
0	2	0.001	0.001	0.001	90.76%	0.26%
0	3	0.001	0.001	0.000	43.26%	0.19%
0	4	0.001	0.001	0.001	82.01%	0.26%
0	5	0.001	0.001	0.000	44.88%	0.19%
10	6	0.001	0.001	0.000	72.35%	0.23%
10	7	0.001	0.001	0.000	40.35%	0.19%
10	8	0.001	0.001	0.001	124.12%	0.34%
10	9	0.001	0.001	0.001	96.81%	0.34%
10	10	0.001	0.001	0.001	73.86%	0.30%
20	11	0.001	0.001	0.000	29.90%	0.12%
20	12	0.001	0.001	0.000	53.03%	0.17%
20	13	0.001	0.001	0.000	42.73%	0.17%
20	14	0.001	0.001	0.001	96.49%	0.31%
20	15	0.001	0.001	0.000	76.01%	0.23%
30	16	0.001	0.001	0.000	10.40%	0.05%
30	17	0.001	0.001	0.000	17.37%	0.08%
30	18	0.001	0.001	0.001	110.98%	0.36%
30	19	0.001	0.001	0.001	122.83%	0.36%
30	20	0.001	0.001	0.001	122.83%	0.36%
31	16a	0.001	0.001	0.000	-21.12%	0.09%
31	17a	0.001	0.001	0.000	-10.68%	0.05%
31	18a	0.001	0.001	0.000	33.47%	0.11%
31	19a	0.001	0.001	0.000	21.02%	0.06%
31	20a	0.001	0.001	0.000	26.36%	0.08%
50	21	0.001	0.001	0.001	88.52%	0.33%
50	22	0.001	0.001	0.001	69.97%	0.28%
50	23	0.001	0.001	0.000	73.62%	0.25%
50	24	0.001	0.001	0.000	39.04%	0.19%
50	25	0.001	0.001	0.001	92.41%	0.33%
	Max	0.001	0.001	0.000	124.12%	0.36%
	Average	0.001	0.001	0.000	60.08%	0.21%
	Min	0.001	0.001	0.000	-21.12%	0.05%
	Std Dev	0.000	0.000	0.000	38.83%	0.10%



		VOL_100UA_5P5V					
Units		V					
Max Limit		0.2					
Min Limit		-0.001					
krad		0	10	20	30	31	50
LL		-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
Min		0.001	0.001	0.001	0.001	0.001	0.001
Average		0.001	0.001	0.001	0.001	0.001	0.001
Max		0.001	0.001	0.001	0.001	0.001	0.001
UL		0.200	0.200	0.200	0.200	0.200	0.200



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