



ABSTRACT

This report covers the radiation characterization results of the SN54SC8T240-SEP, radiation tolerant octal inverting buffers/drivers with 3-state outputs. The study was done to determine Total Ionizing Dose (TID) effects under high dose rate (HDR) to 30krad(Si). Radiation Lot Acceptance Testing (RLAT) will be performed using five units at a dose level of 30krad(Si) per MIL-STD-883 TM 1019. All future wafer lots will be tested under the same conditions. The device is manufactured in pure CMOS process. HDR TID response is the worst case. TID HDR characterization was performed per TM 1019.

The SN54SC8T240-SEP is packaged in a space enhanced plastic package for low outgassing characteristics and is Single Event Latch-Up (SEL) immune up to 50MeV-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.

For full total ionizing dose characterization results, see [SN54SC8T541-SEP Total Ionizing Dose \(TID\) Report](#).

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1 Device Information

The SN54SC8T240-SEP device contains eight independent inverting line drivers with 3-state outputs. Each channel performs the Boolean function $Y = \bar{A}$ in positive logic. The channels are grouped in sets of four, with one \bar{OE} pin controlling each set. The outputs can be put into a hi-Z state by applying a high on the associated \bar{OE} pin.

1.1 Device Details

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

Table 1-1. Device and Exposure Details

TID HDR Details: Up To 30krad(Si)	
TI Device Number	SN54SC8T240-SEP
VID Number	V62/25630
Package	20-pin PW (TSSOP)
Technology	LBC9
Die Lot Number	3282527RFB
A/T Lot Number and Date Code	4166265ML4 / 42CC6DK
Quantity Tested	6 irradiated devices + 4 control
Lot Accept or Reject	Devices passed 30krad(Si)
HDR Radiation Facility	Texas Instruments CLAB in Dallas, Texas
HDR Dose Level	30krad(Si)
HDR Dose Rate	174.53rad(Si)/s ionizing radiation
Effective Dose Rate 30krad(Si) with 72 hour Anneal	115.74mrad(Si)/s ionizing radiation
HDR Radiation Source	Gammacell 220 Excel (GC-220E) Co-60
Irradiation Temperature	Ambient, room temperature

2 Total Dose Test Setup

2.1 Test Overview

The SN54SC8T240-SEP samples were irradiated at a high dose rate of 174.53rad(Si)/s up to 30krad(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 SN54SC8T240-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 174.53rads(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.

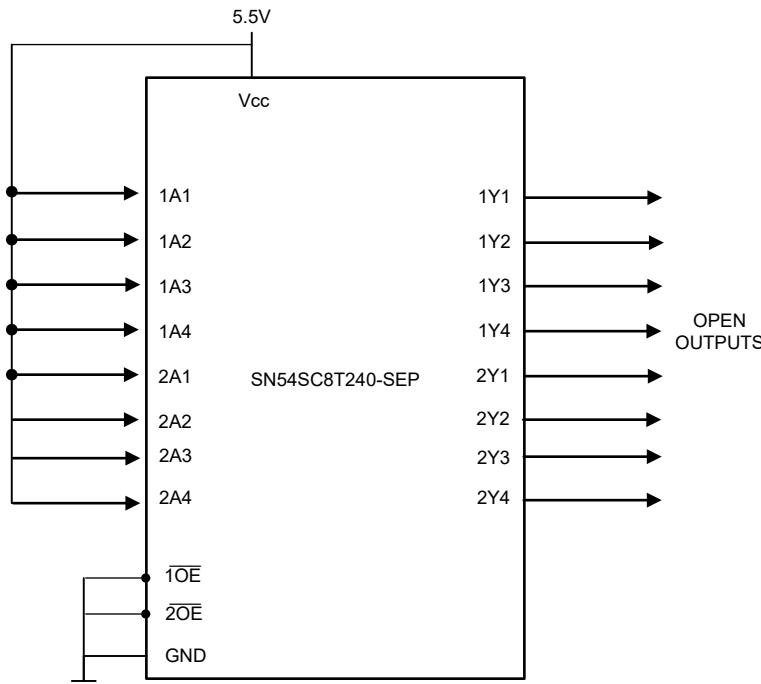


Figure 2-1. SN54SC8T240-SEP Bias Diagram

2.4 Test Configuration and Condition

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 [Section 5](#). ATE parametric testing was completed before and after the anneal.

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

Table 2-1. HDR Device Information

Control Group	HDR Dose Rate = 174.53rad(Si)/s Effective Dose Rate (30krad + Anneal 72 hours) = 115.74mrad(Si)/s	
Total Samples: 4		Total Samples: 6 Biased
		Exposure Levels
0krad (Si)	30krad(Si)	
Biased	Biased	Biased + 72 hour anneal
1 - 4	5 - 10	5a - 10a

3 TID Characterization Test Results

3.1 TID Characterization Summary Results

The parametric data for the SN54SC8T240-SEP passes up to 30krad(Si) (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 SN54SC8T240-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 [SN54SC8T240-SEP Radiation-Tolerant, Octal Inverting Buffers/Drivers with 3-State Outputs](#).

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

3.2 Specification Compliance Matrix

Table 3-1. Electrical Parameters Table

Parameter	Test Conditions	V _{CC}	T _A = -55°C to +125°C			Unit	Test Name
			MIN	TYP	MAX		
V _{T+} 1	Positive-going input threshold voltage	1.2V to 1.3V	0.31	0.655	1.1	V	VTP_1P2V
		1.65V to 2V	0.39	0.915	1.32		VTP_1P65V
		2.25V to 2.75V	0.51	1.09	1.51		VTP_2P25V
		3V to 3.6V	0.65	1.2	1.7		VTP_3V
		4.5V to 5.5V	0.87	1.51	2.16		VTP_4P5V, VTP_5P5V
V _{T-} 1	Negative-going input threshold voltage	1.2V to 1.3V	0.11	0.349	0.60	V	VTN_1P2V
		1.65V to 2V	0.18	0.455	0.63		VTN_1P65V
		2.25V to 2.75V	0.25	0.545	0.74		VTN_2P25V
		3V to 3.6V	0.33	0.635	0.85		VTN_3V
		4.5V to 5.5V	0.45	0.755	1.14		VTN_4P5V, VTN_5P5V
ΔV _T 1	Hysteresis (V _{T+} – V _{T-})	1.2V to 1.3V	0.2	0.29	0.77	V	DELTAVT_1P2V
		1.65V to 2V	0.21	0.43	0.88		DELTAVT_1P65V
		2.25V to 2.75V	0.25	0.54	0.91		DELTAVT_2P25V
		3V to 3.6V	0.31	0.63	0.91		DELTAVT_3V
		4.5V to 5.5V	0.43	0.75	1.05		DELTAVT_4P5V, DELTAVT_5P5V
V _{IH}	High-level input voltage	1.2V to 1.3V	0.78			V	VIH_1P2V
		1.65V to 2V	1.1				VIH_1P65V
		2.25V to 2.75V	1.28				VIH_2P25V
		3V to 3.6V	1.45				VIH_3V
		4.5V to 5.5V	2				VIH_4P5V, VIH_5P5V
V _{IL}	Low-Level input voltage	1.2V to 1.3V			0.18	V	VIL_1P2V
		1.65V to 2V			0.5		VIL_1P65V
		2.25V to 2.75V			0.65		VIL_2P25V
		3V to 3.6V			0.75		VIL_3V
		4.5V to 5.5V			0.85		VIL_4P5V, VIL_5P5V
V _{OH} 2	I _{OH} = -50μA	1.2V to 5.5V	V _{CC} -0.2			V	VOH_N50UA_1P2V, VOH_N50UA_5P5V
	I _{OH} = -1mA	1.2V	0.8				VOH_N1MA_1P2V
	I _{OH} = -2mA	1.65V to 2V	1.21				VOH_N2MA_1P65V
	I _{OH} = -3mA	2.25V to 2.75V	1.93				VOH_N3MA_2P25V
	I _{OH} = -5.5mA	3V to 3.6V	2.49				VOH_N5P5MA_3V
	I _{OH} = -8mA	4.5V to 5.5V	3.95				VOH_N8MA_4P5V
	I _{OH} = -24mA	4.5V to 5.5V	3.15				VOH_N24MA_5P5V
V _{OL}	I _{OL} = 50μA	1.2V to 5.5V			0.1	V	VOL_50UA_1P2V, VOL_50UA_5P5V
	I _{OL} = 1mA	1.2V			0.2		VOL_1MA_1P2V
	I _{OL} = 2mA	1.65V to 2V			0.25		VOL_2MA_1P65V
	I _{OL} = 3mA	2.25V to 2.75V			0.2		VOL_3MA_2P25V
	I _{OL} = 5.5mA	3V to 3.6V			0.25		VOL_5P5MA_3V
	I _{OL} = 8mA	4.5V to 5.5V			0.35		VOL_8MA_4P5V
	I _{OL} = 24mA	4.5V to 5.5V			0.75		VOL_24MA_5P5V
I _{CC}	V _I = V _{CC} or GND, I _O = 0	1.2V to 5.5V		2	220	μA	ICC_5P5V
ΔI _{CC}	One input at 0.3V or 3.4V, other inputs at V _{CC} or GND	5.5V			1.5	mA	DELTACC_5P5V
	One input at 0.3V or 1.1V, other inputs at V _{CC} or GND	1.8V			68	μA	DELTACC_1P8V
I _{OZ} 3	V _O = V _{CC} or GND	5.5V			±26	μA	IOZ_5P5V
I _I	V _I = 0V to V _{CC}	V _I = 0V to V _{CC}			±1	μA	II_5P5V

1. Schmitt-trigger input devices only.
2. Push-pull output devices only.
3. 3-State output devices only.

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.

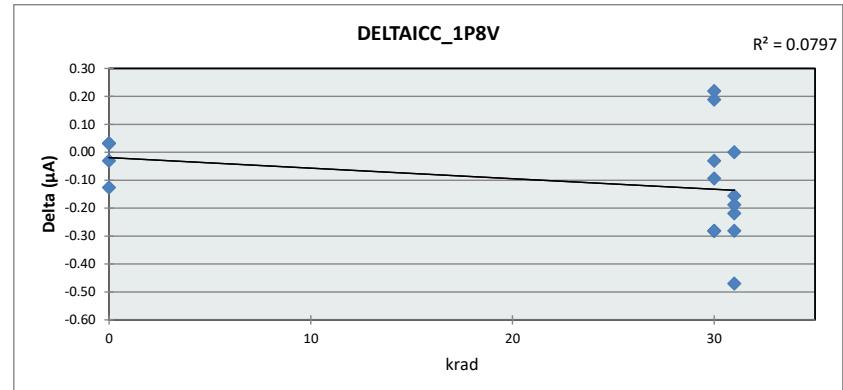
5 Appendix: HDR TID Report Data

This appendix provides the SN54SC8T240-SEP TID HDR report. The report shows the variation for each parameter up to 30krad(Si).

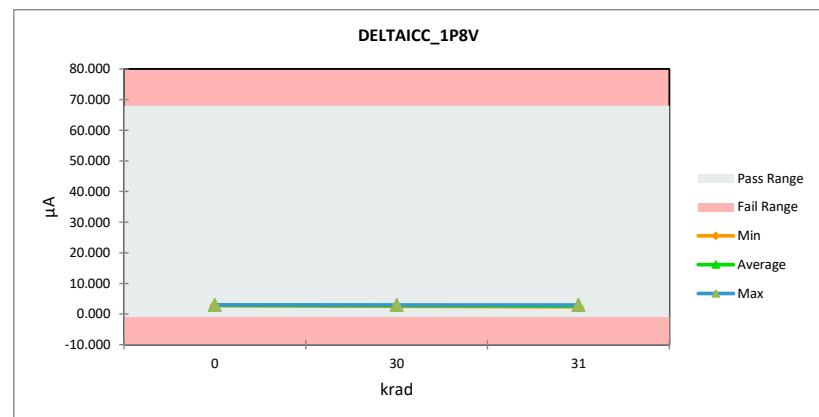
TID Report

SN54SC8T240-SEP

DETAICC_1P8V						
Units	μA					
Max Limit	68					
Min Limit	-1					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.785	2.754	-0.03	-1.11%	0.04%
0	2	2.911	2.785	-0.13	-4.33%	0.18%
0	3	2.973	3.005	0.03	1.08%	0.05%
0	4	2.879	2.911	0.03	1.11%	0.05%
30	5	2.660	2.848	0.19	7.07%	0.27%
30	6	2.629	2.848	0.22	8.33%	0.32%
30	7	3.098	2.817	-0.28	-9.07%	0.41%
30	8	2.817	2.723	-0.09	-3.34%	0.14%
30	9	2.817	2.535	-0.28	-10.01%	0.41%
30	10	2.973	2.942	-0.03	-1.04%	0.04%
31	5a	2.660	2.660	0.00	0.00%	0.00%
31	6a	2.629	2.410	-0.22	-8.33%	0.32%
31	7a	3.098	2.942	-0.16	-5.04%	0.23%
31	8a	2.817	2.347	-0.47	-16.68%	0.68%
31	9a	2.817	2.629	-0.19	-6.67%	0.27%
31	10a	2.973	2.692	-0.28	-9.45%	0.41%
Max		3.098	3.005	-0.09	8.33%	0.68%
Average		2.846	2.741	-0.11	-3.59%	0.24%
Min		2.629	2.347	-0.28	-16.68%	0.00%
Std Dev		0.153	0.190	0.04	6.52%	0.19%



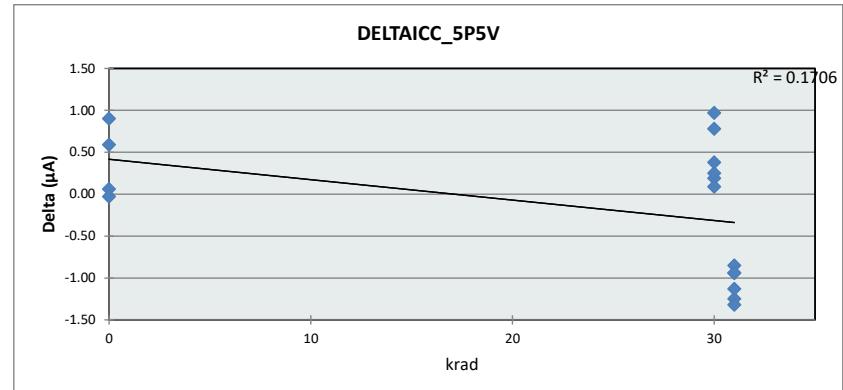
DETAICC_1P8V						
Units	μA					
Max Limit	68					
Min Limit	-1					
krad	0	30	31	LL	Min	Max
Max	3.098	3.005	-0.09	-1.000	-1.000	-1.000
Average	2.846	2.741	-0.11	2.754	2.535	2.347
Min	2.629	2.347	-0.28	2.817	2.786	2.613
Average	0.153	0.190	0.04	3.005	2.942	2.942
UL	68.000	68.000	68.000	68.000	68.000	68.000



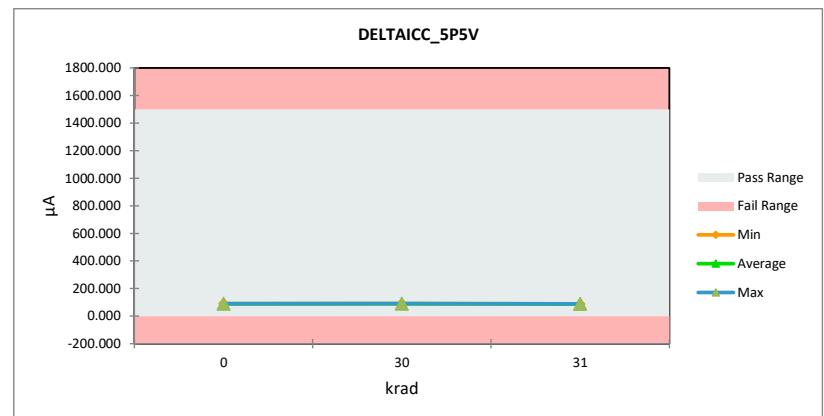
TID Report

SN54SC8T240-SEP

DETAICC_5P5V						
Units	μA					
Max Limit	1500					
Min Limit	-1					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	89.420	90.320	0.90	1.01%	0.06%
0	2	89.510	90.100	0.59	0.66%	0.04%
0	3	89.760	89.820	0.06	0.07%	0.00%
0	4	89.820	89.790	-0.03	-0.03%	0.00%
30	5	89.790	90.570	0.78	0.87%	0.05%
30	6	90.040	90.230	0.19	0.21%	0.01%
30	7	90.390	90.640	0.25	0.28%	0.02%
30	8	89.420	90.390	0.97	1.08%	0.06%
30	9	90.010	90.100	0.09	0.10%	0.01%
30	10	89.760	90.140	0.38	0.42%	0.03%
31	5a	89.790	88.850	-0.94	-1.05%	0.06%
31	6a	90.040	88.790	-1.25	-1.39%	0.08%
31	7a	90.390	89.070	-1.32	-1.46%	0.09%
31	8a	89.420	88.570	-0.85	-0.95%	0.06%
31	9a	90.010	89.070	-0.94	-1.04%	0.06%
31	10a	89.760	88.630	-1.13	-1.26%	0.08%
Max		90.390	90.640	0.25	1.08%	0.09%
Average		89.833	89.693	-0.14	-0.16%	0.04%
Min		89.420	88.570	-0.85	-1.46%	0.00%
Std Dev		0.306	0.734	0.43	0.90%	0.03%



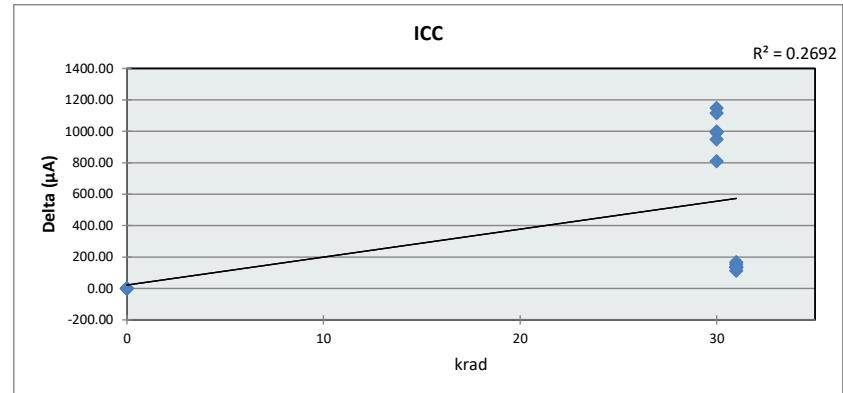
DETAICC_5P5V						
Units	μA					
Max Limit	1500					
Min Limit	-1					
krad	0	30	31	LL	Min	UL
Max	90.390	90.640	0.25	-1.000	-1.000	-1.000
Average	89.833	89.693	-0.14	89.790	90.100	88.570
Min	89.420	88.570	-0.85	90.008	90.345	88.830
Average	0.306	0.734	0.43	90.320	90.640	89.070
Max	1500.000	1500.000	1500.000	1500.000	1500.000	1500.000



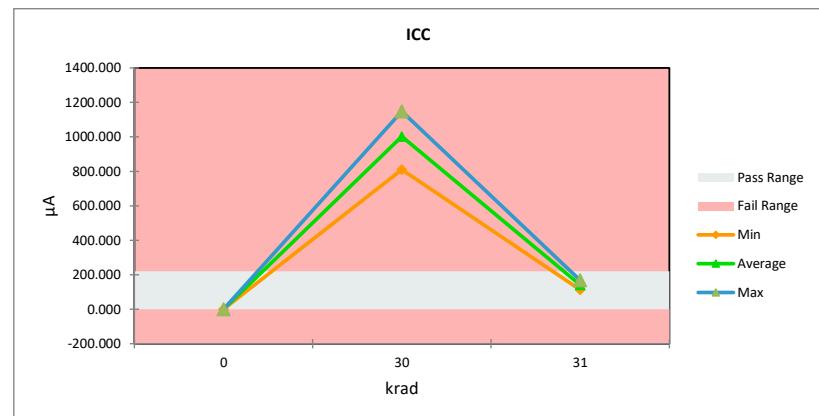
TID Report

SN54SC8T240-SEP

ICC						
Units	μA					
Max Limit	220					
Min Limit	-0.1					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.047	0.120	0.07	153.01%	0.03%
0	2	0.026	0.027	0.00	2.40%	0.00%
0	3	0.019	0.029	0.01	53.00%	0.00%
0	4	0.067	0.016	-0.05	-75.81%	0.02%
30	5	0.048	992.200	992.15	2057979.24%	450.77%
30	6	0.029	1148.000	1147.97	3953068.04%	521.57%
30	7	0.010	998.300	998.29	9806383.30%	453.56%
30	8	0.036	1116.000	1115.96	3076823.08%	507.03%
30	9	0.022	809.900	809.88	3713334.20%	367.96%
30	10	0.005	948.200	948.19	18418703.42%	430.80%
31	5a	0.048	135.400	135.35	280754.59%	61.50%
31	6a	0.029	154.800	154.77	532957.85%	70.32%
31	7a	0.010	139.300	139.29	1368269.35%	63.28%
31	8a	0.036	167.700	167.66	462265.59%	76.18%
31	9a	0.022	112.900	112.88	517552.45%	51.28%
31	10a	0.005	132.300	132.29	2569830.07%	60.11%
Max		0.067	1148.000	1147.93	18418703.42%	521.57%
Average		0.029	428.449	428.42	2922378.36%	194.65%
Min		0.005	0.016	0.01	-75.81%	0.00%
Std Dev		0.018	467.790	467.77	4838783.50%	212.53%



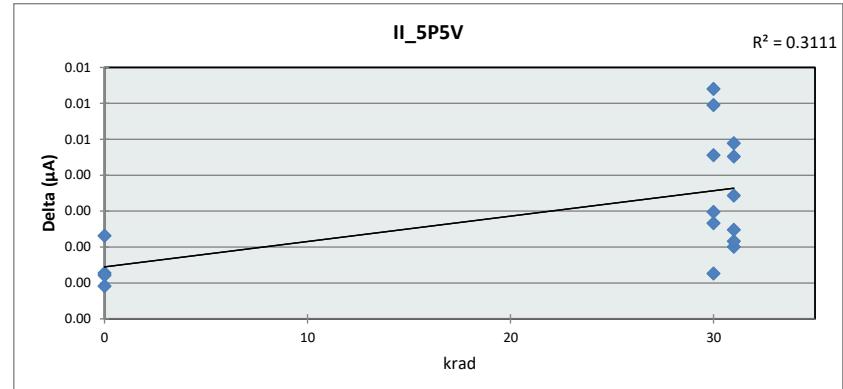
ICC						
Units	μA					
Max Limit	220					
Min Limit	-0.1					
krad	0	30	31	LL	Min	UL
LL	-0.100	-0.100	-0.100	Min	809.900	220.000
Min	0.016	809.900	112.900	Average	1002.100	140.400
Average	0.048	1002.100	140.400	Max	1148.000	167.700
Max	0.120	1148.000	167.700	UL	220.000	220.000



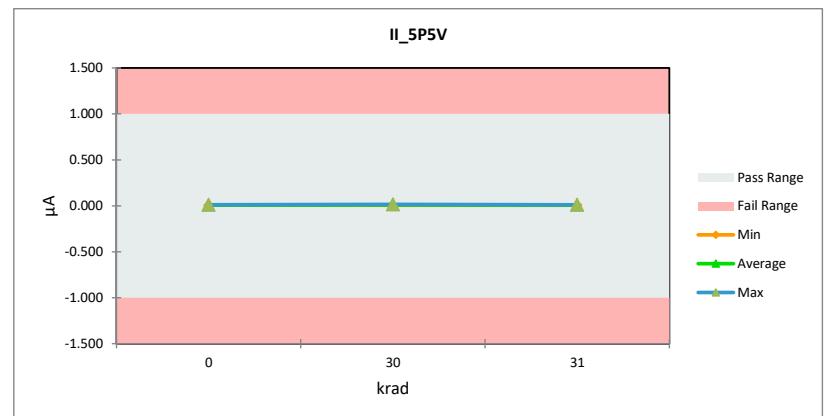
TID Report

SN54SC8T240-SEP

II_5P5V						
Units	μA					
Max Limit	1					
Min Limit	-1					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.006	0.007	0.00	9.97%	0.03%
0	2	0.009	0.007	0.00	-16.78%	0.07%
0	3	0.013	0.011	0.00	-16.18%	0.11%
0	4	0.009	0.008	0.00	-16.75%	0.08%
30	5	0.006	0.008	0.00	21.29%	0.07%
30	6	0.007	0.016	0.01	128.09%	0.44%
30	7	0.007	0.009	0.00	29.87%	0.10%
30	8	0.008	0.006	0.00	-18.98%	0.07%
30	9	0.004	0.012	0.01	183.82%	0.40%
30	10	0.006	0.011	0.01	91.42%	0.26%
31	5a	0.006	0.006	0.00	0.27%	0.00%
31	6a	0.007	0.007	0.00	4.57%	0.02%
31	7a	0.007	0.008	0.00	14.66%	0.05%
31	8a	0.008	0.011	0.00	36.82%	0.14%
31	9a	0.004	0.010	0.01	134.31%	0.29%
31	10a	0.006	0.011	0.01	90.17%	0.25%
Max		0.013	0.016	0.00	183.82%	0.44%
Average		0.007	0.009	0.00	42.29%	0.15%
Min		0.004	0.006	0.00	-18.98%	0.00%
Std Dev		0.002	0.003	0.00	63.42%	0.14%



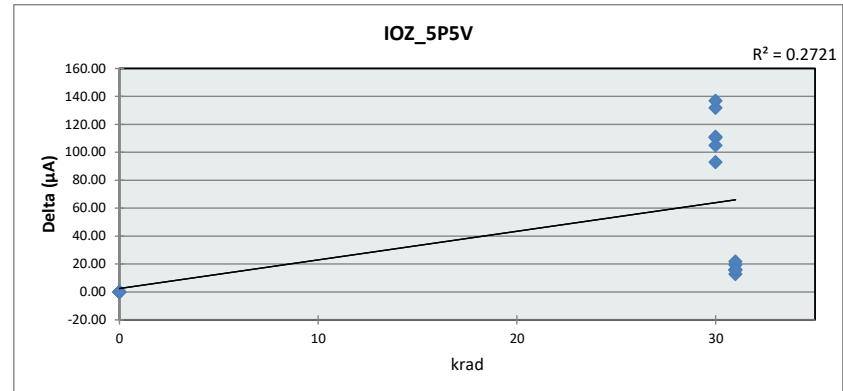
II_5P5V						
Units	μA					
Max Limit	1					
Min Limit	-1					
krad	0	30	31	LL	Min	UL
Max	0.013	0.016	0.00	-1.000	-1.000	-1.000
Average	0.007	0.009	0.00	0.007	0.006	0.006
Min	0.004	0.006	0.00	0.007	0.006	0.006
Std Dev	0.002	0.003	0.00	0.008	0.010	0.009
Average	0.008	0.010	0.00	0.008	0.009	0.009
Max	0.011	0.016	0.00	0.011	0.011	0.011
UL	1.000	1.000	1.000	1.000	1.000	1.000



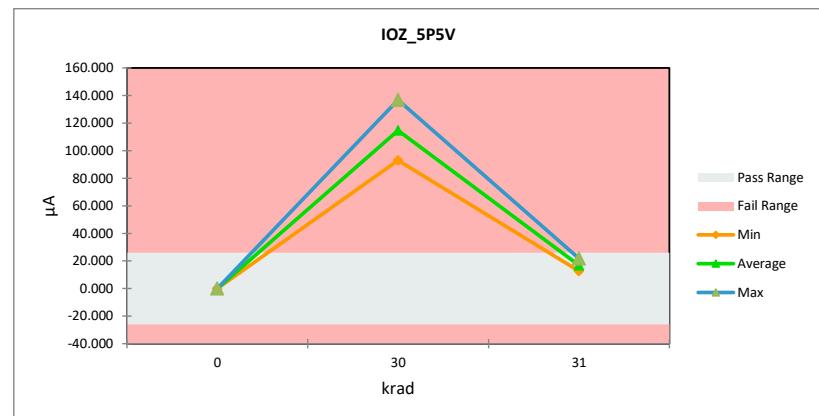
TID Report

SN54SC8T240-SEP

IOZ_5P5V						
Units	μA					
Max Limit	26					
Min Limit	-26					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.013	0.003	-0.01	-74.53%	0.02%
0	2	0.005	0.008	0.00	42.25%	0.00%
0	3	0.007	0.006	0.00	-17.21%	0.00%
0	4	0.005	0.019	0.01	268.38%	0.03%
30	5	0.005	110.400	110.39	2080563.40%	212.30%
30	6	0.005	131.800	131.79	2624875.10%	253.45%
30	7	0.009	111.100	111.09	1194266.80%	213.64%
30	8	0.005	136.800	136.79	2533233.33%	263.07%
30	9	0.006	92.960	92.95	1656055.35%	178.76%
30	10	0.013	104.900	104.89	821356.54%	201.71%
31	5a	0.005	15.720	15.71	296168.38%	30.22%
31	6a	0.005	19.370	19.36	385679.73%	37.24%
31	7a	0.009	15.650	15.64	168143.39%	30.08%
31	8a	0.005	21.860	21.85	404714.81%	42.03%
31	9a	0.006	12.700	12.69	226160.47%	24.41%
31	10a	0.013	15.920	15.91	124567.19%	30.59%
Max		0.013	136.800	136.79	2624875.10%	263.07%
Average		0.007	49.326	49.32	782250.21%	94.85%
Min		0.005	0.003	0.00	-74.53%	0.00%
Std Dev		0.003	53.599	53.60	937512.80%	103.07%



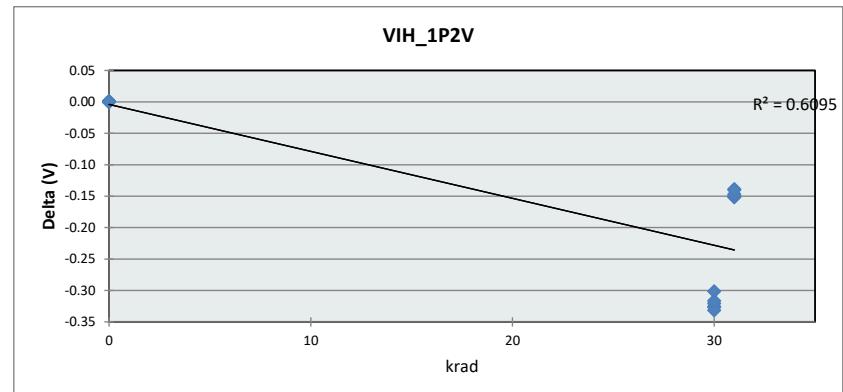
IOZ_5P5V						
Units	μA					
Max Limit	26					
Min Limit	-26					
krad	0	30	31	LL	Min	UL
LL	-26.000	-26.000	-26.000	0.003	92.960	26.000
Min	0.003	92.960	12.700	0.009	114.660	16.870
Average	0.009	114.660	16.870	0.019	136.800	21.860
Max	0.019	136.800	21.860	0.026	26.000	26.000



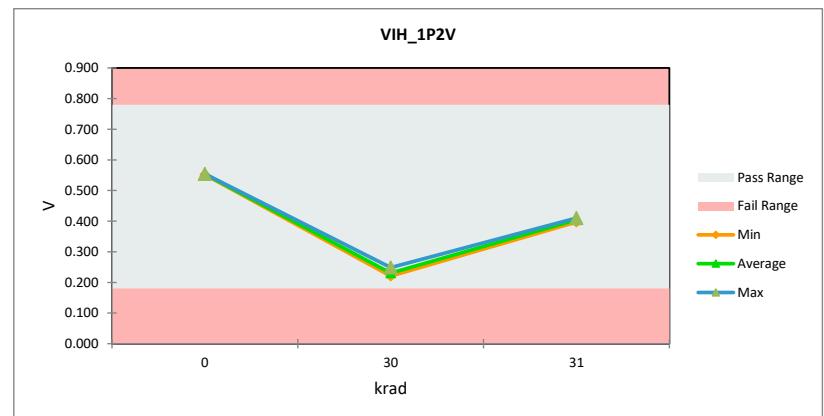
TID Report

SN54SC8T240-SEP

VIH_1P2V						
Units	V					
Max Limit	0.78					
Min Limit	0.18					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.554	0.554	0.00	-0.11%	0.10%
0	2	0.552	0.554	0.00	0.22%	0.20%
0	3	0.554	0.554	0.00	0.11%	0.10%
0	4	0.551	0.552	0.00	0.11%	0.10%
30	5	0.549	0.222	-0.33	-59.56%	54.48%
30	6	0.548	0.227	-0.32	-58.52%	53.47%
30	7	0.554	0.228	-0.33	-58.82%	54.28%
30	8	0.552	0.221	-0.33	-60.05%	55.29%
30	9	0.552	0.236	-0.32	-57.31%	52.76%
30	10	0.550	0.249	-0.30	-54.80%	50.23%
31	5a	0.549	0.397	-0.15	-27.63%	25.27%
31	6a	0.548	0.409	-0.14	-25.33%	23.15%
31	7a	0.554	0.404	-0.15	-26.95%	24.86%
31	8a	0.552	0.401	-0.15	-27.34%	25.17%
31	9a	0.552	0.406	-0.15	-26.57%	24.46%
31	10a	0.550	0.410	-0.14	-25.47%	23.35%
Max		0.554	0.554	0.00	0.22%	55.29%
Average		0.551	0.376	-0.17	-31.75%	29.20%
Min		0.548	0.221	-0.33	-60.05%	0.10%
Std Dev		0.002	0.131	0.13	23.71%	21.69%



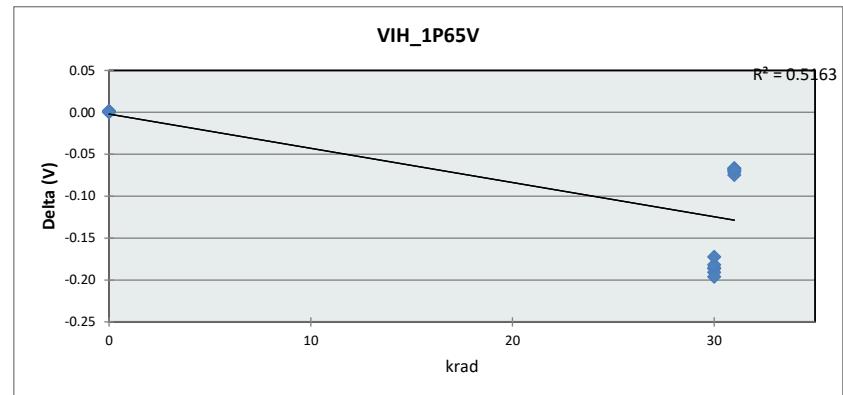
VIH_1P2V						
Units	V					
Max Limit	0.78					
Min Limit	0.18					
krad	0	30	31			
LL	0.180	0.180	0.180			
Min	0.552	0.221	0.397			
Average	0.553	0.230	0.405			
Max	0.554	0.249	0.410			
UL	0.780	0.780	0.780			



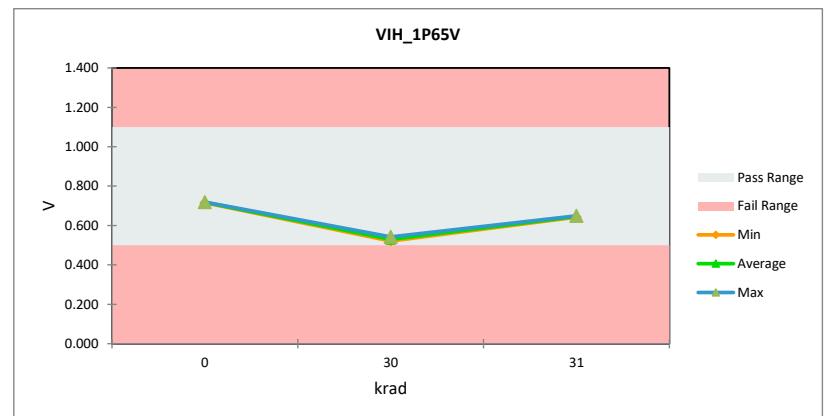
TID Report

SN54SC8T240-SEP

VIH_1P65V						
Units		V				
Max Limit		1.1				
Min Limit		0.5				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.718	0.719	0.00	0.12%	0.15%
0	2	0.716	0.717	0.00	0.25%	0.29%
0	3	0.717	0.718	0.00	0.12%	0.15%
0	4	0.716	0.716	0.00	0.00%	0.00%
30	5	0.713	0.526	-0.19	-26.15%	31.07%
30	6	0.713	0.527	-0.19	-26.03%	30.92%
30	7	0.717	0.526	-0.19	-26.60%	31.80%
30	8	0.717	0.521	-0.20	-27.34%	32.68%
30	9	0.716	0.534	-0.18	-25.41%	30.34%
30	10	0.715	0.542	-0.17	-24.12%	28.72%
31	5a	0.713	0.643	-0.07	-9.74%	11.58%
31	6a	0.713	0.646	-0.07	-9.37%	11.14%
31	7a	0.717	0.646	-0.07	-9.93%	11.87%
31	8a	0.717	0.643	-0.07	-10.42%	12.46%
31	9a	0.716	0.650	-0.07	-9.33%	11.14%
31	10a	0.715	0.646	-0.07	-9.60%	11.43%
Max		0.718	0.719	0.00	0.25%	32.68%
Average		0.716	0.620	-0.10	-13.35%	15.98%
Min		0.713	0.521	-0.19	-27.34%	0.00%
Std Dev		0.002	0.078	0.08	10.84%	12.83%



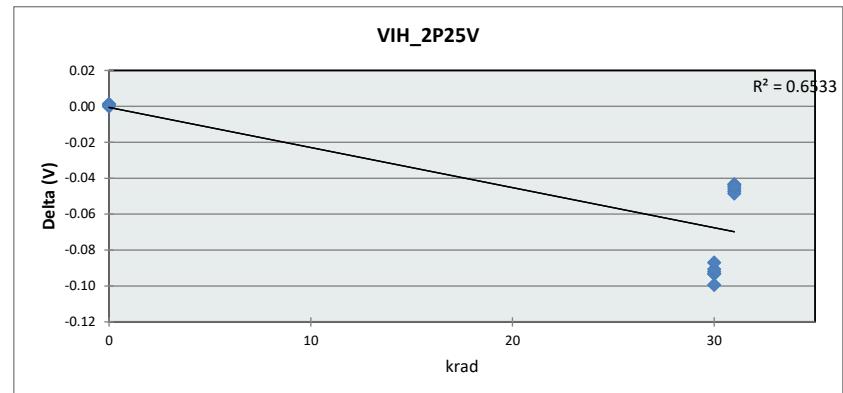
VIH_1P65V						
Units		V				
Max Limit		1.1				
Min Limit		0.5				
krad	0	30	31			
LL	0.500	0.500	0.500			
Min	0.716	0.521	0.643			
Average	0.718	0.530	0.646			
Max	0.719	0.542	0.650			
UL	1.100	1.100	1.100			



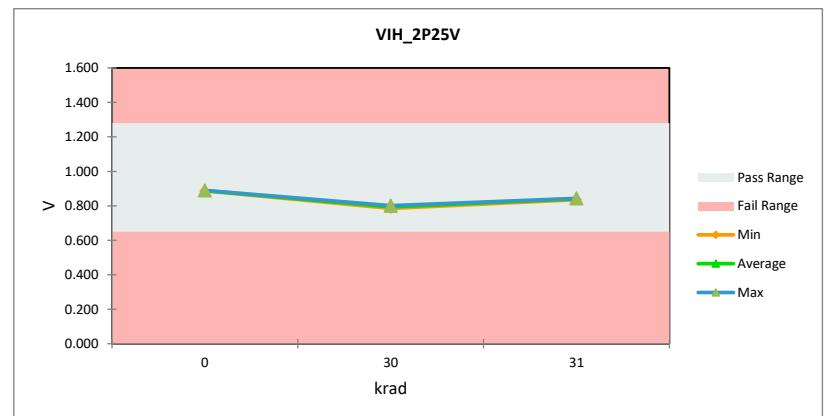
TID Report

SN54SC8T240-SEP

VIH_2P25V						
Units		V				
Max Limit		1.28				
Min Limit		0.65				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.887	0.888	0.00	0.14%	0.20%
0	2	0.888	0.889	0.00	0.14%	0.20%
0	3	0.888	0.888	0.00	0.00%	0.00%
0	4	0.887	0.887	0.00	0.00%	0.00%
30	5	0.887	0.795	-0.09	-10.37%	14.60%
30	6	0.887	0.794	-0.09	-10.51%	14.80%
30	7	0.886	0.792	-0.09	-10.53%	14.80%
30	8	0.884	0.785	-0.10	-11.24%	15.79%
30	9	0.886	0.795	-0.09	-10.25%	14.41%
30	10	0.888	0.801	-0.09	-9.80%	13.81%
31	5a	0.887	0.840	-0.05	-5.33%	7.50%
31	6a	0.887	0.841	-0.05	-5.19%	7.30%
31	7a	0.886	0.842	-0.04	-4.91%	6.91%
31	8a	0.884	0.836	-0.05	-5.48%	7.70%
31	9a	0.886	0.842	-0.04	-4.91%	6.91%
31	10a	0.888	0.843	-0.04	-5.04%	7.10%
Max		0.888	0.889	0.00	0.14%	15.79%
Average		0.887	0.835	-0.05	-5.83%	8.25%
Min		0.884	0.785	-0.10	-11.24%	0.00%
Std Dev		0.001	0.038	0.04	4.25%	5.91%



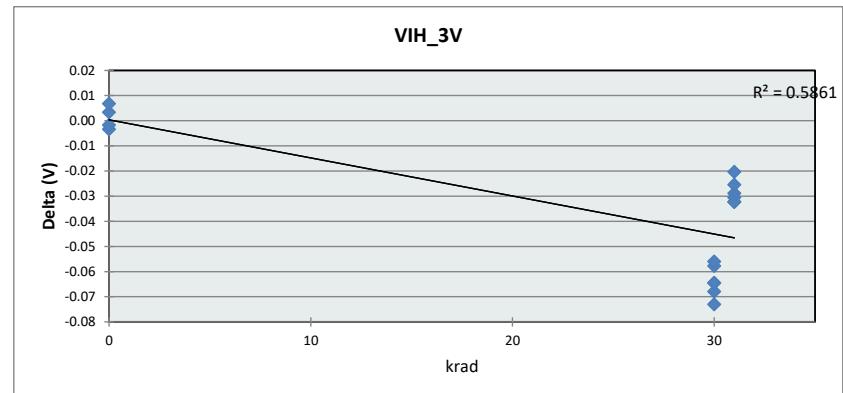
VIH_2P25V						
Units		V				
Max Limit		1.28				
Min Limit		0.65				
krad	0	30	31			
LL	0.650	0.650	0.650			
Min	0.887	0.785	0.836			
Average	0.888	0.794	0.841			
Max	0.889	0.801	0.843			
UL	1.280	1.280	1.280			



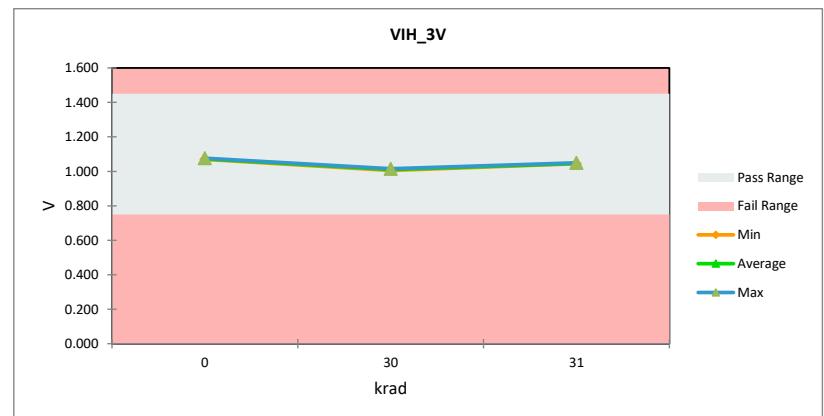
TID Report

SN54SC8T240-SEP

VIH_3V						
Units	V					
Max Limit	1.45					
Min Limit	0.75					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.078	1.075	0.00	-0.32%	0.49%
0	2	1.066	1.070	0.00	0.32%	0.49%
0	3	1.070	1.076	0.01	0.64%	0.97%
0	4	1.071	1.070	0.00	-0.16%	0.24%
30	5	1.076	1.008	-0.07	-6.31%	9.70%
30	6	1.070	1.012	-0.06	-5.40%	8.25%
30	7	1.075	1.010	-0.06	-6.00%	9.22%
30	8	1.078	1.005	-0.07	-6.77%	10.43%
30	9	1.076	1.012	-0.06	-5.99%	9.22%
30	10	1.071	1.015	-0.06	-5.23%	8.00%
31	5a	1.076	1.047	-0.03	-2.68%	4.12%
31	6a	1.070	1.049	-0.02	-1.91%	2.91%
31	7a	1.075	1.044	-0.03	-2.84%	4.37%
31	8a	1.078	1.046	-0.03	-2.99%	4.61%
31	9a	1.076	1.044	-0.03	-3.00%	4.61%
31	10a	1.071	1.046	-0.03	-2.38%	3.64%
Max		1.078	1.076	0.00	0.64%	10.43%
Average		1.074	1.039	-0.03	-3.19%	5.08%
Min		1.066	1.005	-0.06	-6.77%	0.24%
Std Dev		0.004	0.026	0.02	2.51%	3.60%



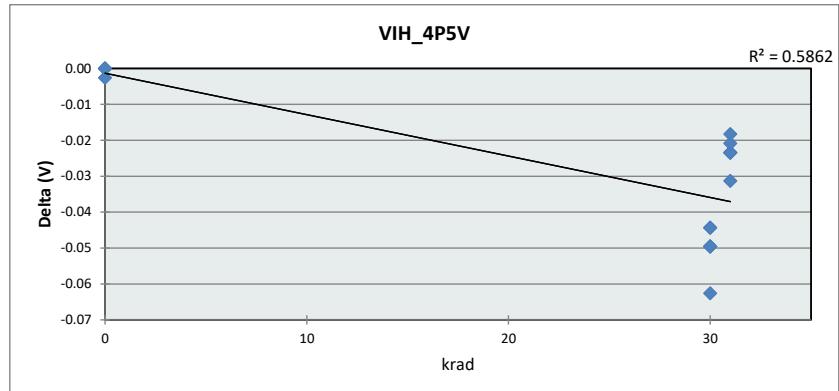
VIH_3V						
Units	V					
Max Limit	1.45					
Min Limit	0.75					
krad	0	30	31			
LL	0.750	0.750	0.750			
Min	1.070	1.005	1.044			
Average	1.073	1.010	1.046			
Max	1.076	1.015	1.049			
UL	1.450	1.450	1.450			



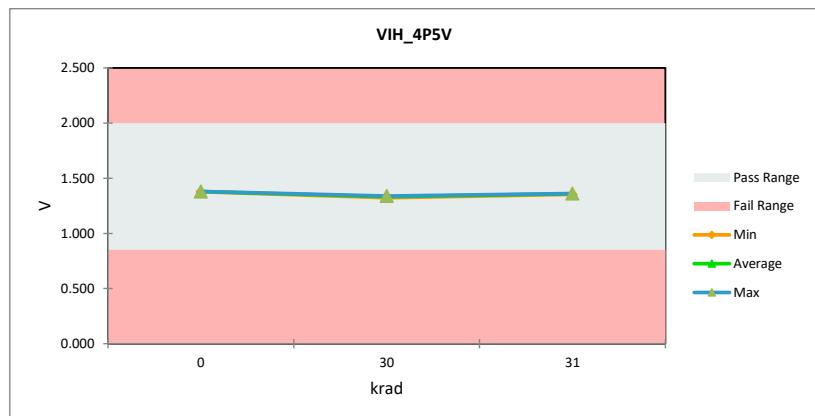
TID Report

SN54SC8T240-SEP

VIH_4P5V						
Units		V				
Max Limit		2				
Min Limit		0.85				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.378	1.378	0.00	0.00%	0.00%
0	2	1.380	1.378	0.00	-0.19%	0.23%
0	3	1.380	1.380	0.00	0.00%	0.00%
0	4	1.380	1.380	0.00	0.00%	0.00%
30	5	1.383	1.333	-0.05	-3.58%	4.31%
30	6	1.380	1.331	-0.05	-3.59%	4.31%
30	7	1.380	1.331	-0.05	-3.59%	4.31%
30	8	1.386	1.323	-0.06	-4.52%	5.44%
30	9	1.383	1.339	-0.04	-3.21%	3.85%
30	10	1.380	1.336	-0.04	-3.21%	3.85%
31	5a	1.383	1.359	-0.02	-1.70%	2.04%
31	6a	1.380	1.357	-0.02	-1.70%	2.04%
31	7a	1.380	1.357	-0.02	-1.70%	2.04%
31	8a	1.386	1.354	-0.03	-2.26%	2.72%
31	9a	1.383	1.362	-0.02	-1.51%	1.81%
31	10a	1.380	1.362	-0.02	-1.32%	1.59%
Max		1.386	1.380	-0.01	0.00%	5.44%
Average		1.381	1.354	-0.03	-2.00%	2.41%
Min		1.378	1.323	-0.05	-4.52%	0.00%
Std Dev		0.002	0.020	0.02	1.49%	1.79%



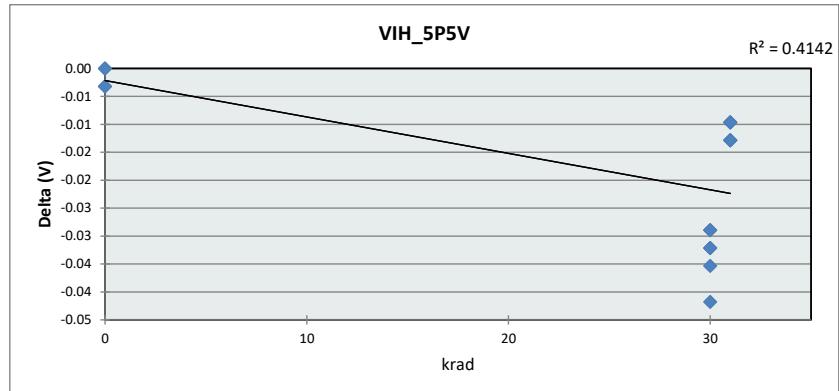
VIH_4P5V						
Units		V				
Max Limit		2				
Min Limit		0.85				
krad	0	30	31			
LL	0.850	0.850	0.850			
Min	1.378	1.323	1.354			
Average	1.379	1.332	1.359			
Max	1.380	1.339	1.362			
UL	2.000	2.000	2.000			



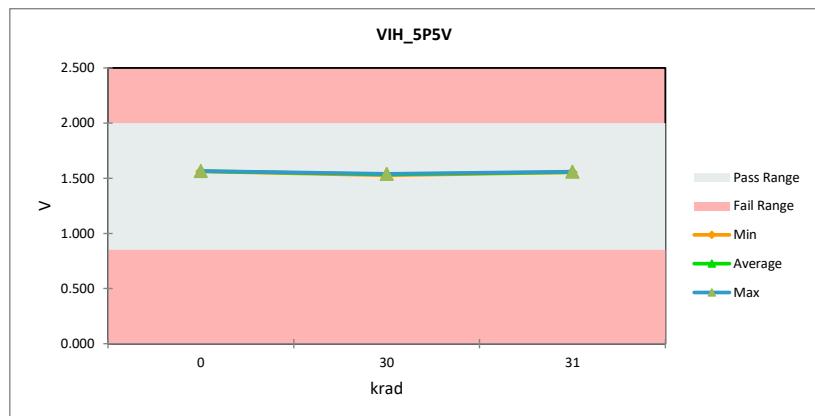
TID Report

SN54SC8T240-SEP

VIH_5P5V						
Units		V				
Max Limit		2				
Min Limit		0.85				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.562	1.562	0.00	0.00%	0.00%
0	2	1.566	1.562	0.00	-0.21%	0.28%
0	3	1.566	1.566	0.00	0.00%	0.00%
0	4	1.569	1.566	0.00	-0.20%	0.28%
30	5	1.569	1.537	-0.03	-2.05%	2.79%
30	6	1.562	1.530	-0.03	-2.06%	2.79%
30	7	1.569	1.533	-0.04	-2.25%	3.07%
30	8	1.569	1.527	-0.04	-2.66%	3.63%
30	9	1.569	1.540	-0.03	-1.84%	2.52%
30	10	1.569	1.540	-0.03	-1.84%	2.52%
31	5a	1.569	1.556	-0.01	-0.82%	1.12%
31	6a	1.562	1.553	-0.01	-0.62%	0.84%
31	7a	1.569	1.556	-0.01	-0.82%	1.12%
31	8a	1.569	1.556	-0.01	-0.82%	1.12%
31	9a	1.569	1.559	-0.01	-0.61%	0.84%
31	10a	1.569	1.559	-0.01	-0.61%	0.84%
Max		1.569	1.566	0.00	0.00%	3.63%
Average		1.567	1.550	-0.02	-1.09%	1.48%
Min		1.562	1.527	-0.04	-2.66%	0.00%
Std Dev		0.003	0.013	0.01	0.88%	1.20%



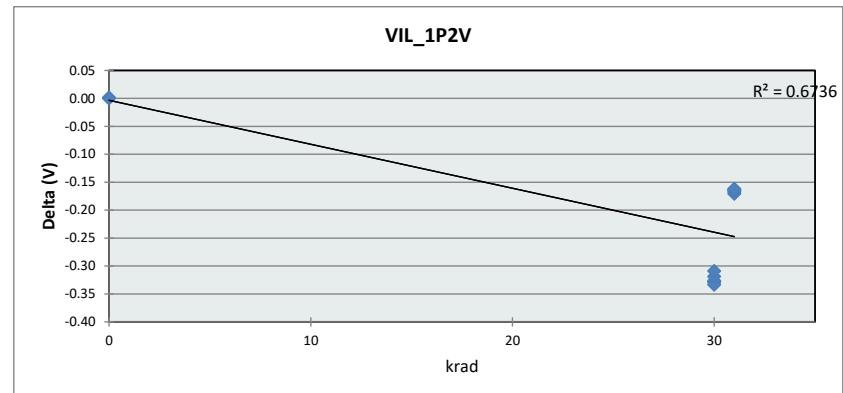
VIH_5P5V						
Units		V				
Max Limit		2				
Min Limit		0.85				
krad		0	30	31		
LL		0.850	0.850	0.850		
Min		1.562	1.527	1.553		
Average		1.564	1.535	1.557		
Max		1.566	1.540	1.559		
UL		2.000	2.000	2.000		



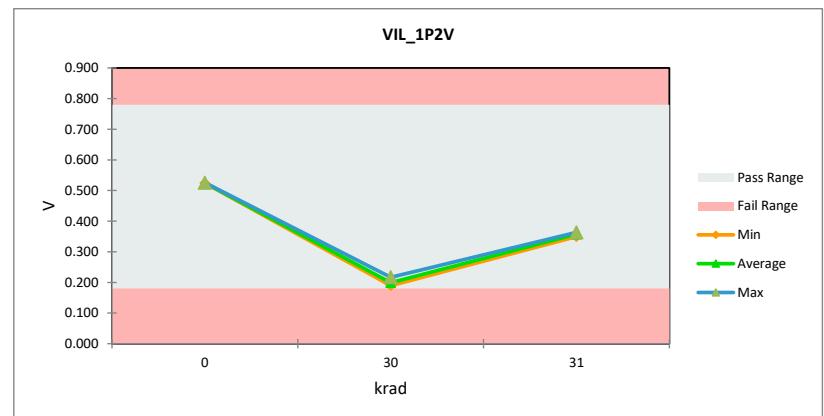
TID Report

SN54SC8T240-SEP

VIL_1P2V						
Units	V					
Max Limit	0.78					
Min Limit	0.18					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.524	0.524	0.00	0.13%	0.11%
0	2	0.524	0.525	0.00	0.25%	0.22%
0	3	0.525	0.526	0.00	0.13%	0.11%
0	4	0.524	0.524	0.00	0.00%	0.00%
30	5	0.520	0.192	-0.33	-63.09%	54.70%
30	6	0.525	0.195	-0.33	-62.78%	54.93%
30	7	0.523	0.197	-0.33	-62.38%	54.37%
30	8	0.523	0.189	-0.33	-63.78%	55.59%
30	9	0.523	0.204	-0.32	-60.98%	53.15%
30	10	0.526	0.217	-0.31	-58.76%	51.48%
31	5a	0.520	0.349	-0.17	-32.82%	28.46%
31	6a	0.525	0.362	-0.16	-31.01%	27.13%
31	7a	0.523	0.358	-0.16	-31.51%	27.46%
31	8a	0.523	0.356	-0.17	-32.02%	27.91%
31	9a	0.523	0.358	-0.16	-31.51%	27.46%
31	10a	0.526	0.364	-0.16	-30.84%	27.02%
Max		0.526	0.526	0.00	0.25%	55.59%
Average		0.523	0.340	-0.18	-35.06%	30.63%
Min		0.520	0.189	-0.33	-63.78%	0.00%
Std Dev		0.002	0.131	0.13	25.01%	21.73%



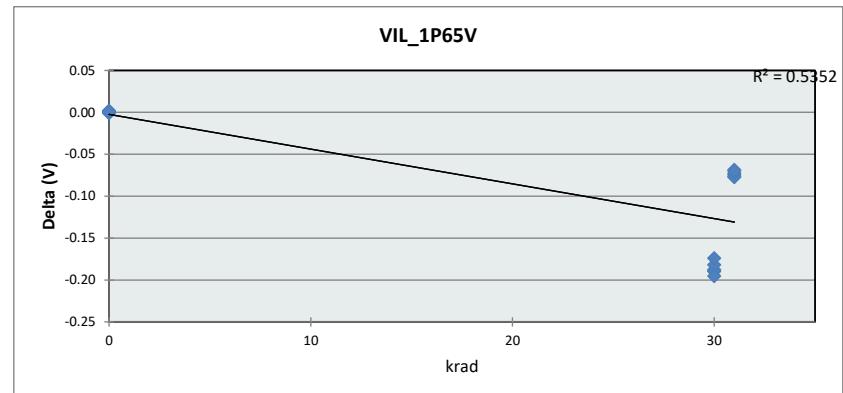
VIL_1P2V						
Units	V					
Max Limit	0.78					
Min Limit	0.18					
krad	0	30	31			
LL	0.180	0.180	0.180			
Min	0.524	0.189	0.349			
Average	0.525	0.199	0.358			
Max	0.526	0.217	0.364			
UL	0.780	0.780	0.780			



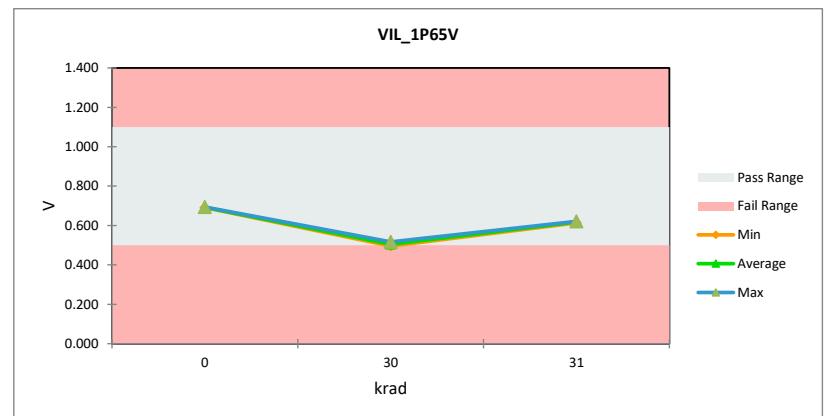
TID Report

SN54SC8T240-SEP

VIL_1P65V						
Units		V				
Max Limit		1.1				
Min Limit		0.5				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.692	0.694	0.00	0.28%	0.32%
0	2	0.693	0.693	0.00	0.00%	0.00%
0	3	0.693	0.692	0.00	-0.14%	0.16%
0	4	0.690	0.691	0.00	0.14%	0.16%
30	5	0.691	0.503	-0.19	-27.16%	31.28%
30	6	0.690	0.500	-0.19	-27.47%	31.60%
30	7	0.692	0.502	-0.19	-27.40%	31.60%
30	8	0.691	0.496	-0.20	-28.28%	32.57%
30	9	0.690	0.508	-0.18	-26.35%	30.31%
30	10	0.691	0.517	-0.17	-25.20%	29.02%
31	5a	0.691	0.615	-0.08	-11.06%	12.74%
31	6a	0.690	0.621	-0.07	-9.95%	11.45%
31	7a	0.692	0.618	-0.07	-10.76%	12.41%
31	8a	0.691	0.614	-0.08	-11.20%	12.90%
31	9a	0.690	0.618	-0.07	-10.51%	12.09%
31	10a	0.691	0.621	-0.07	-10.08%	11.61%
Max		0.693	0.694	0.00	0.28%	32.57%
Average		0.691	0.594	-0.10	-14.07%	16.26%
Min		0.690	0.496	-0.19	-28.28%	0.00%
Std Dev		0.001	0.078	0.08	11.19%	12.81%



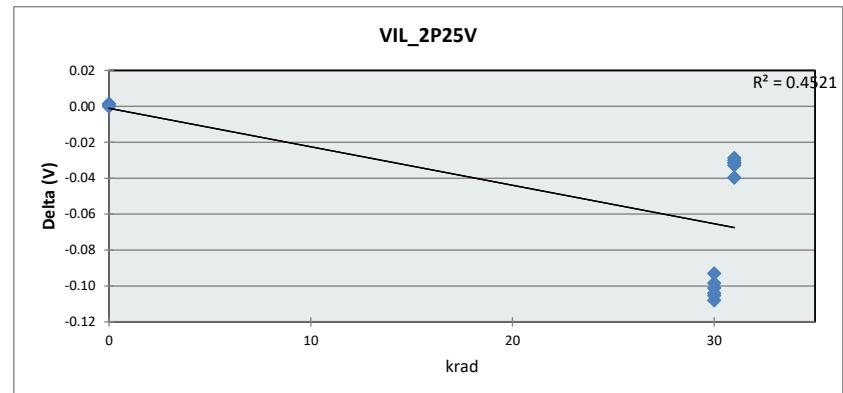
VIL_1P65V						
Units		V				
Max Limit		1.1				
Min Limit		0.5				
krad	0	30	31			
LL	0.500	0.500	0.500			
Min	0.691	0.496	0.614			
Average	0.692	0.504	0.618			
Max	0.694	0.517	0.621			
UL	1.100	1.100	1.100			



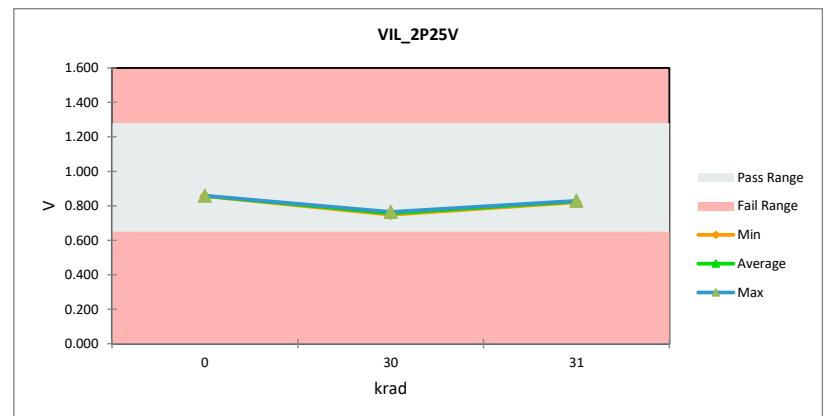
TID Report

SN54SC8T240-SEP

VIL_2P25V						
Units	V					
Max Limit	1.28					
Min Limit	0.65					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.856	0.858	0.00	0.16%	0.22%
0	2	0.858	0.859	0.00	0.16%	0.22%
0	3	0.858	0.858	0.00	0.00%	0.00%
0	4	0.856	0.856	0.00	0.00%	0.00%
30	5	0.856	0.758	-0.10	-11.50%	15.63%
30	6	0.856	0.748	-0.11	-12.62%	17.15%
30	7	0.858	0.752	-0.11	-12.28%	16.71%
30	8	0.860	0.756	-0.10	-12.08%	16.50%
30	9	0.858	0.756	-0.10	-11.80%	16.06%
30	10	0.858	0.765	-0.09	-10.84%	14.76%
31	5a	0.856	0.823	-0.03	-3.83%	5.21%
31	6a	0.856	0.826	-0.03	-3.51%	4.78%
31	7a	0.858	0.826	-0.03	-3.67%	4.99%
31	8a	0.860	0.821	-0.04	-4.61%	6.30%
31	9a	0.858	0.826	-0.03	-3.67%	4.99%
31	10a	0.858	0.829	-0.03	-3.35%	4.56%
Max		0.860	0.859	0.00	0.16%	17.15%
Average		0.857	0.807	-0.05	-5.84%	8.00%
Min		0.856	0.748	-0.11	-12.62%	0.00%
Std Dev		0.001	0.043	0.04	5.07%	6.84%



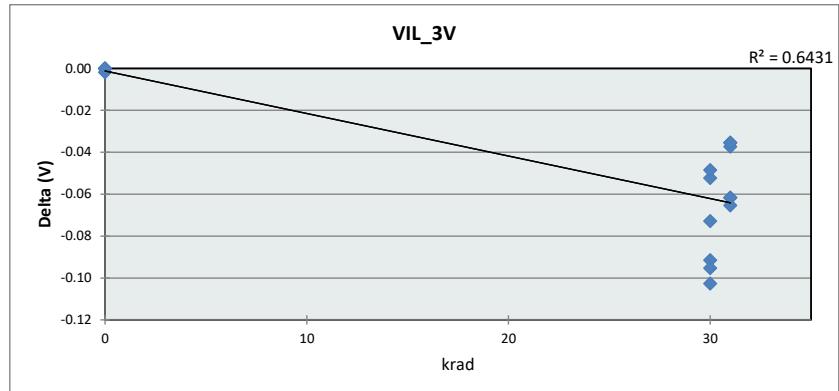
VIL_2P25V						
Units	V					
Max Limit	1.28					
Min Limit	0.65					
krad	0	30	31	LL	Min	UL
LL	0.650	0.650	0.650	0.856	0.748	0.821
Min	0.856	0.748	0.821	0.858	0.756	0.825
Average	0.858	0.756	0.825	0.859	0.765	0.829
Max	0.859	0.765	0.829	1.280	1.280	1.280



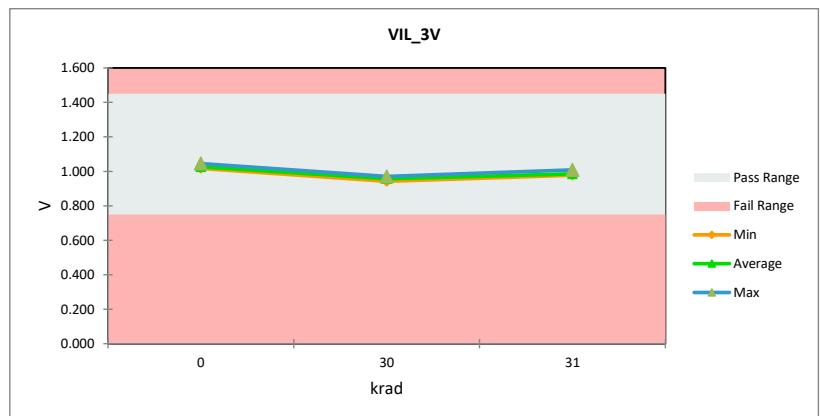
TID Report

SN54SC8T240-SEP

VIL_3V						
Units	V					
Max Limit	1.45					
Min Limit	0.75					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.017	1.017	0.00	0.00%	0.00%
0	2	1.045	1.045	0.00	0.00%	0.00%
0	3	1.019	1.017	0.00	-0.18%	0.27%
0	4	1.026	1.026	0.00	0.00%	0.00%
30	5	1.043	0.970	-0.07	-6.98%	10.41%
30	6	1.043	0.952	-0.09	-8.77%	13.08%
30	7	1.045	0.942	-0.10	-9.83%	14.68%
30	8	1.013	0.961	-0.05	-5.16%	7.47%
30	9	1.043	0.948	-0.10	-9.13%	13.61%
30	10	1.017	0.969	-0.05	-4.77%	6.94%
31	5a	1.043	0.982	-0.06	-5.91%	8.81%
31	6a	1.043	0.978	-0.07	-6.27%	9.34%
31	7a	1.045	1.008	-0.04	-3.57%	5.34%
31	8a	1.013	0.978	-0.04	-3.50%	5.07%
31	9a	1.043	0.982	-0.06	-5.91%	8.81%
31	10a	1.017	0.982	-0.04	-3.49%	5.07%
Max		1.045	1.045	0.00	0.00%	14.68%
Average		1.032	0.985	-0.05	-4.59%	6.80%
Min		1.013	0.942	-0.07	-9.83%	0.00%
Std Dev		0.014	0.030	0.02	3.31%	4.93%



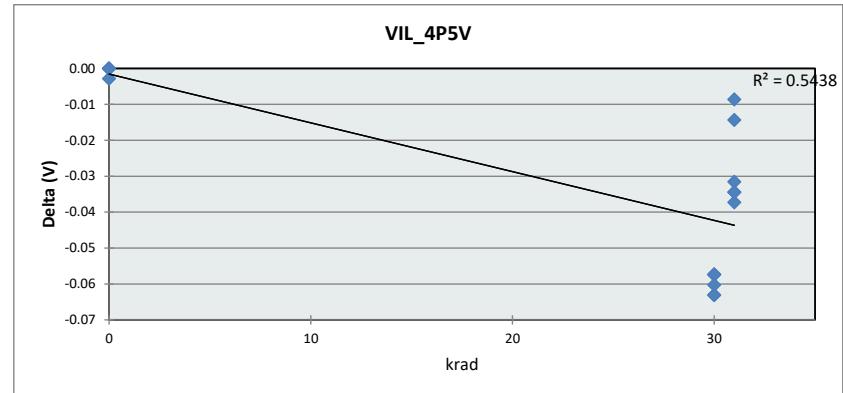
VIL_3V						
Units	V					
Max Limit	1.45					
Min Limit	0.75					
krad	0	30	31			
LL	0.750	0.750	0.750			
Min	1.017	0.942	0.978			
Average	1.026	0.957	0.985			
Max	1.045	0.970	1.008			
UL	1.450	1.450	1.450			



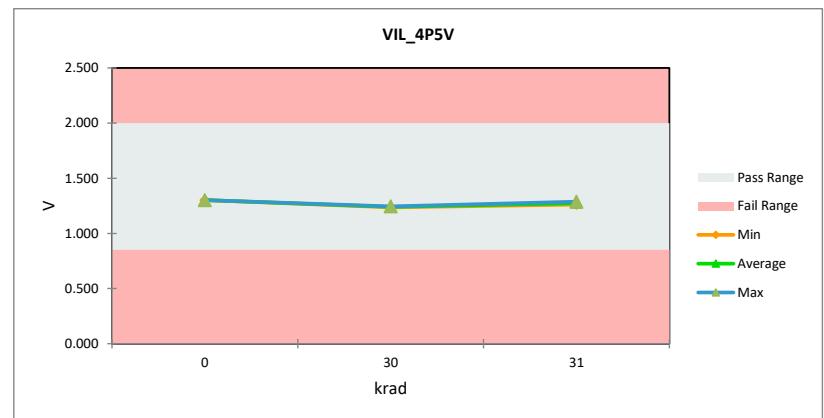
TID Report

SN54SC8T240-SEP

VIL_4P5V						
Units		V				
Max Limit		2				
Min Limit		0.85				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.302	1.302	0.00	0.00%	0.00%
0	2	1.305	1.302	0.00	-0.22%	0.25%
0	3	1.302	1.302	0.00	0.00%	0.00%
0	4	1.302	1.302	0.00	0.00%	0.00%
30	5	1.302	1.245	-0.06	-4.41%	4.99%
30	6	1.296	1.239	-0.06	-4.43%	4.99%
30	7	1.299	1.236	-0.06	-4.86%	5.49%
30	8	1.299	1.236	-0.06	-4.86%	5.49%
30	9	1.302	1.245	-0.06	-4.41%	4.99%
30	10	1.302	1.242	-0.06	-4.63%	5.24%
31	5a	1.302	1.270	-0.03	-2.42%	2.74%
31	6a	1.296	1.288	-0.01	-0.66%	0.75%
31	7a	1.299	1.265	-0.03	-2.65%	2.99%
31	8a	1.299	1.262	-0.04	-2.87%	3.24%
31	9a	1.302	1.268	-0.03	-2.64%	2.99%
31	10a	1.302	1.288	-0.01	-1.10%	1.25%
Max		1.305	1.302	0.00	0.00%	5.49%
Average		1.301	1.268	-0.03	-2.51%	2.84%
Min		1.296	1.236	-0.06	-4.86%	0.00%
Std Dev		0.002	0.026	0.02	1.93%	2.19%



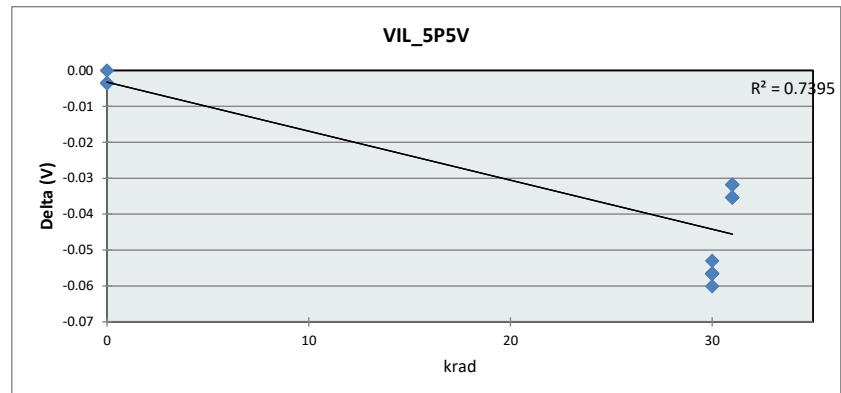
VIL_4P5V						
Units		V				
Max Limit		2				
Min Limit		0.85				
krad	0	30	31			
LL	0.850	0.850	0.850			
Min	1.302	1.236	1.262			
Average	1.302	1.240	1.273			
Max	1.302	1.245	1.288			
UL	2.000	2.000	2.000			



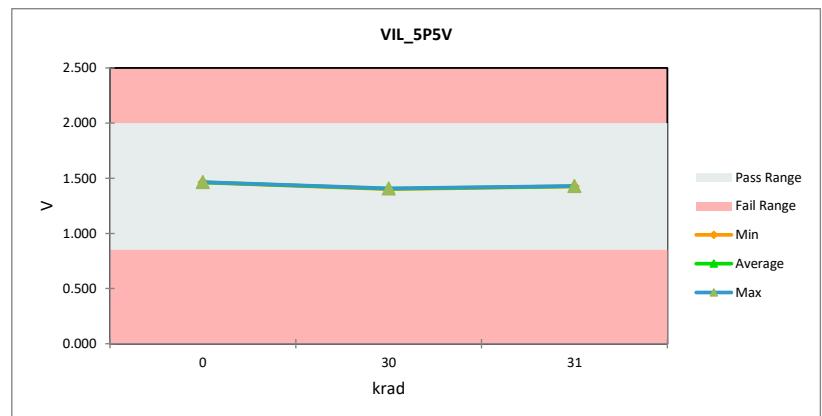
TID Report

SN54SC8T240-SEP

VIL_5P5V						
Units		V				
Max Limit		2				
Min Limit		0.85				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.465	1.461	0.00	-0.24%	0.31%
0	2	1.468	1.465	0.00	-0.24%	0.31%
0	3	1.465	1.461	0.00	-0.24%	0.31%
0	4	1.465	1.465	0.00	0.00%	0.00%
30	5	1.465	1.408	-0.06	-3.86%	4.92%
30	6	1.458	1.401	-0.06	-3.88%	4.92%
30	7	1.461	1.401	-0.06	-4.11%	5.23%
30	8	1.458	1.401	-0.06	-3.88%	4.92%
30	9	1.465	1.408	-0.06	-3.86%	4.92%
30	10	1.461	1.408	-0.05	-3.63%	4.61%
31	5a	1.465	1.429	-0.04	-2.41%	3.07%
31	6a	1.458	1.426	-0.03	-2.18%	2.77%
31	7a	1.461	1.426	-0.04	-2.42%	3.07%
31	8a	1.458	1.426	-0.03	-2.18%	2.77%
31	9a	1.465	1.429	-0.04	-2.41%	3.07%
31	10a	1.461	1.429	-0.03	-2.18%	2.77%
Max		1.468	1.465	0.00	0.00%	5.23%
Average		1.462	1.428	-0.03	-2.36%	3.00%
Min		1.458	1.401	-0.06	-4.11%	0.00%
Std Dev		0.003	0.023	0.02	1.48%	1.88%



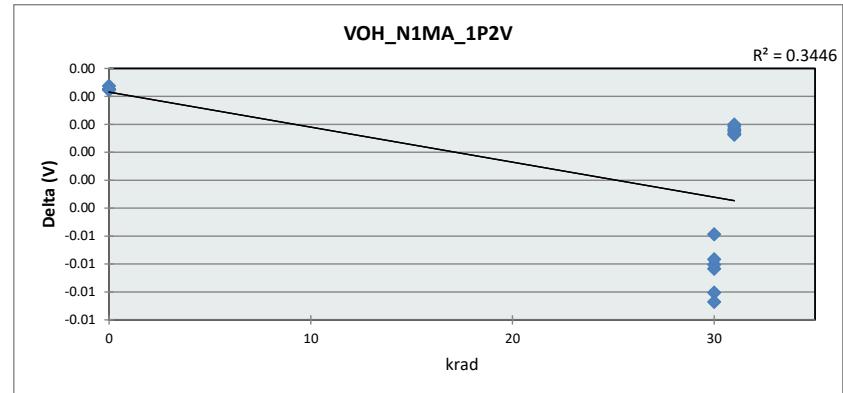
VIL_5P5V						
Units		V				
Max Limit		2				
Min Limit		0.85				
krad	0	30	31			
LL	0.850	0.850	0.850			
Min	1.461	1.401	1.426			
Average	1.463	1.405	1.428			
Max	1.465	1.408	1.429			
UL	2.000	2.000	2.000			



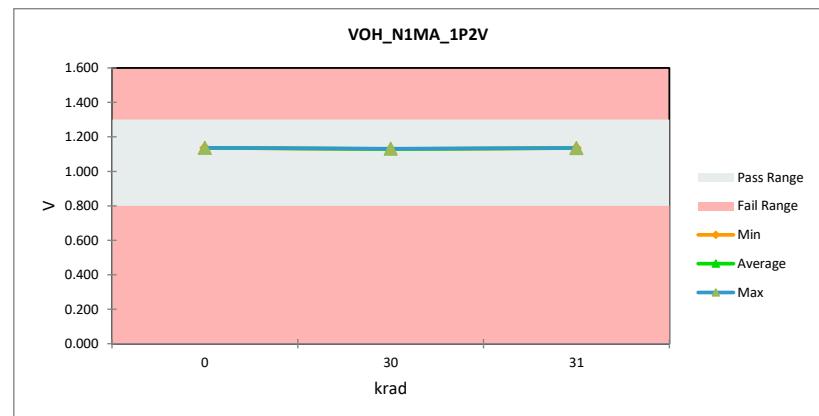
TID Report

SN54SC8T240-SEP

VOH_N1MA_1P2V						
Units		V				
Max Limit		1.3				
Min Limit		0.8				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.136	1.137	0.00	0.02%	0.05%
0	2	1.136	1.136	0.00	0.03%	0.08%
0	3	1.136	1.136	0.00	0.02%	0.05%
0	4	1.136	1.136	0.00	0.02%	0.05%
30	5	1.136	1.130	-0.01	-0.54%	1.23%
30	6	1.136	1.129	-0.01	-0.62%	1.40%
30	7	1.136	1.130	-0.01	-0.53%	1.20%
30	8	1.136	1.129	-0.01	-0.65%	1.47%
30	9	1.136	1.131	0.00	-0.43%	0.99%
30	10	1.136	1.130	-0.01	-0.51%	1.17%
31	5a	1.136	1.135	0.00	-0.09%	0.21%
31	6a	1.136	1.135	0.00	-0.11%	0.25%
31	7a	1.136	1.135	0.00	-0.12%	0.28%
31	8a	1.136	1.135	0.00	-0.12%	0.27%
31	9a	1.136	1.135	0.00	-0.10%	0.24%
31	10a	1.136	1.135	0.00	-0.09%	0.20%
Max		1.136	1.137	0.00	0.03%	1.47%
Average		1.136	1.133	0.00	-0.24%	0.57%
Min		1.136	1.129	-0.01	-0.65%	0.05%
Std Dev		0.000	0.003	0.00	0.26%	0.55%



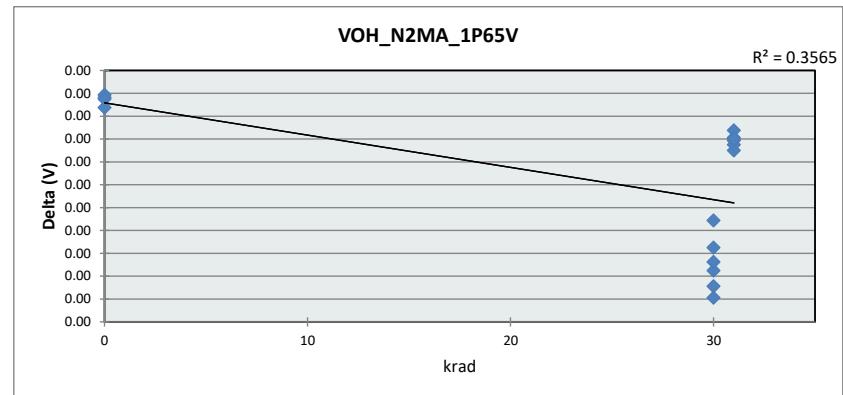
VOH_N1MA_1P2V						
Units		V				
Max Limit		1.3				
Min Limit		0.8				
krad		0	30	31		
LL		0.800	0.800	0.800		
Min		1.136	1.129	1.135		
Average		1.136	1.130	1.135		
Max		1.137	1.131	1.135		
UL		1.300	1.300	1.300		



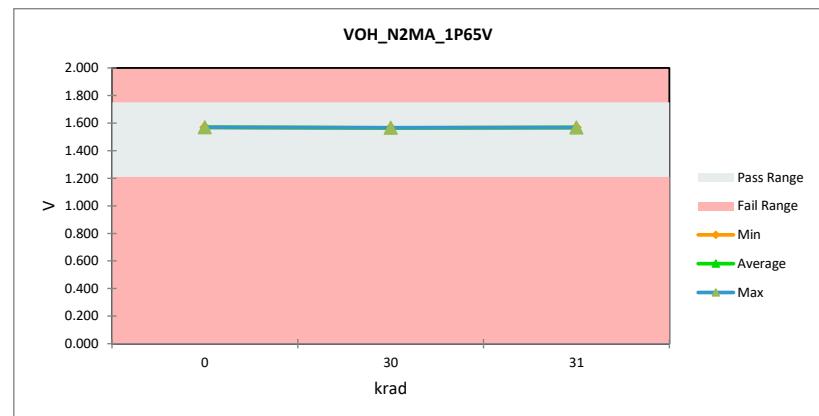
TID Report

SN54SC8T240-SEP

VOH_N2MA_1P65V						
Units	V					
Max Limit	1.75					
Min Limit	1.21					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.569	1.570	0.00	0.03%	0.08%
0	2	1.569	1.569	0.00	0.03%	0.09%
0	3	1.569	1.569	0.00	0.02%	0.07%
0	4	1.569	1.569	0.00	0.01%	0.03%
30	5	1.569	1.565	0.00	-0.22%	0.63%
30	6	1.569	1.565	0.00	-0.25%	0.74%
30	7	1.569	1.566	0.00	-0.20%	0.59%
30	8	1.569	1.565	0.00	-0.24%	0.69%
30	9	1.569	1.567	0.00	-0.15%	0.42%
30	10	1.569	1.566	0.00	-0.18%	0.53%
31	5a	1.569	1.568	0.00	-0.02%	0.06%
31	6a	1.569	1.568	0.00	-0.05%	0.14%
31	7a	1.569	1.568	0.00	-0.03%	0.09%
31	8a	1.569	1.568	0.00	-0.04%	0.12%
31	9a	1.569	1.568	0.00	-0.03%	0.10%
31	10a	1.569	1.568	0.00	-0.03%	0.09%
Max		1.569	1.570	0.00	0.03%	0.74%
Average		1.569	1.568	0.00	-0.08%	0.28%
Min		1.569	1.565	0.00	-0.25%	0.03%
Std Dev		0.000	0.002	0.00	0.10%	0.27%



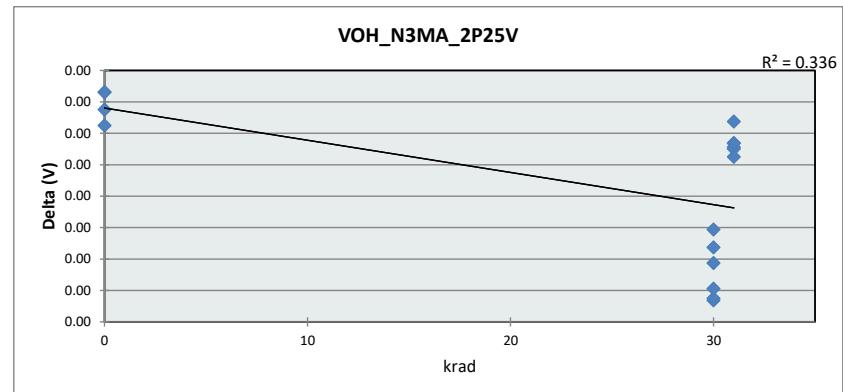
VOH_N2MA_1P65V						
Units	V					
Max Limit	1.75					
Min Limit	1.21					
krad	0	30	31	LL	Min	Max
LL	1.210	1.210	1.210	1.210	1.210	1.210
Min	1.569	1.565	1.568	1.569	1.565	1.568
Average	1.569	1.566	1.568	1.569	1.566	1.568
Max	1.570	1.567	1.568	1.570	1.567	1.568
UL	1.750	1.750	1.750	1.750	1.750	1.750



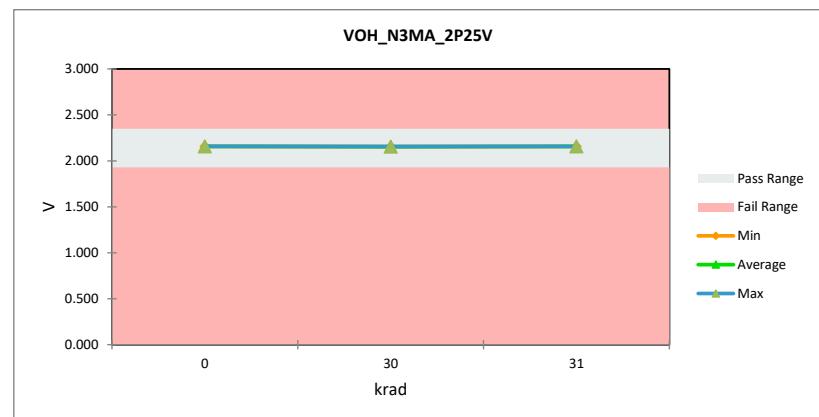
TID Report

SN54SC8T240-SEP

VOH_N3MA_2P25V						
Units	V					
Max Limit	2.35					
Min Limit	1.93					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.157	2.158	0.00	0.03%	0.16%
0	2	2.157	2.158	0.00	0.03%	0.16%
0	3	2.157	2.158	0.00	0.02%	0.09%
0	4	2.158	2.158	0.00	0.01%	0.03%
30	5	2.157	2.155	0.00	-0.12%	0.63%
30	6	2.157	2.155	0.00	-0.12%	0.63%
30	7	2.157	2.155	0.00	-0.10%	0.49%
30	8	2.157	2.155	0.00	-0.11%	0.59%
30	9	2.157	2.156	0.00	-0.07%	0.36%
30	10	2.157	2.156	0.00	-0.08%	0.43%
31	5a	2.157	2.157	0.00	-0.01%	0.05%
31	6a	2.157	2.157	0.00	-0.01%	0.06%
31	7a	2.157	2.157	0.00	0.01%	0.04%
31	8a	2.157	2.157	0.00	-0.01%	0.04%
31	9a	2.157	2.157	0.00	-0.01%	0.04%
31	10a	2.157	2.157	0.00	-0.02%	0.09%
Max		2.158	2.158	0.00	0.03%	0.63%
Average		2.157	2.156	0.00	-0.04%	0.24%
Min		2.157	2.155	0.00	-0.12%	0.03%
Std Dev		0.000	0.001	0.00	0.06%	0.24%



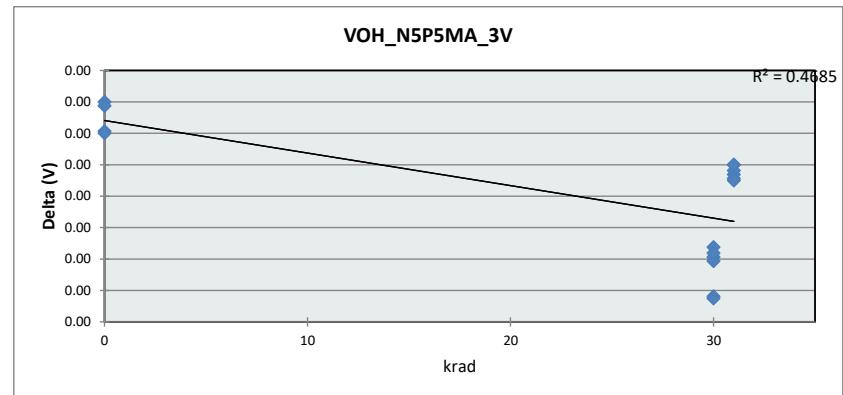
VOH_N3MA_2P25V						
Units	V					
Max Limit	2.35					
Min Limit	1.93					
krad	0	30	31			
LL	1.930	1.930	1.930			
Min	2.158	2.155	2.157			
Average	2.158	2.155	2.157			
Max	2.158	2.156	2.157			
UL	2.350	2.350	2.350			



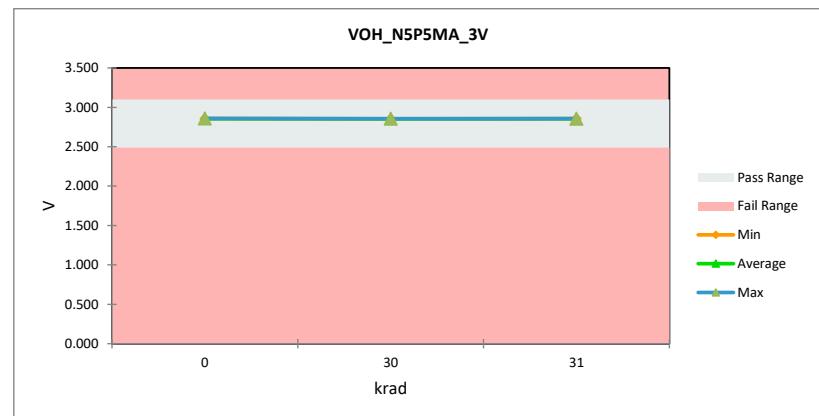
TID Report

SN54SC8T240-SEP

VOH_N5P5MA_3V						
Units		V				
Max Limit		3.1				
Min Limit		2.49				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.857	2.858	0.00	0.04%	0.16%
0	2	2.856	2.857	0.00	0.03%	0.15%
0	3	2.857	2.857	0.00	0.02%	0.09%
0	4	2.856	2.857	0.00	0.02%	0.08%
30	5	2.857	2.854	0.00	-0.07%	0.34%
30	6	2.856	2.854	0.00	-0.07%	0.35%
30	7	2.856	2.855	0.00	-0.05%	0.24%
30	8	2.856	2.855	0.00	-0.05%	0.25%
30	9	2.857	2.855	0.00	-0.05%	0.22%
30	10	2.857	2.855	0.00	-0.05%	0.23%
31	5a	2.857	2.856	0.00	-0.01%	0.03%
31	6a	2.856	2.856	0.00	0.00%	0.02%
31	7a	2.856	2.856	0.00	0.00%	0.00%
31	8a	2.856	2.856	0.00	0.00%	0.00%
31	9a	2.857	2.856	0.00	-0.01%	0.04%
31	10a	2.857	2.856	0.00	-0.01%	0.04%
Max		2.857	2.858	0.00	0.04%	0.35%
Average		2.856	2.856	0.00	-0.02%	0.14%
Min		2.856	2.854	0.00	-0.07%	0.00%
Std Dev		0.000	0.001	0.00	0.04%	0.12%



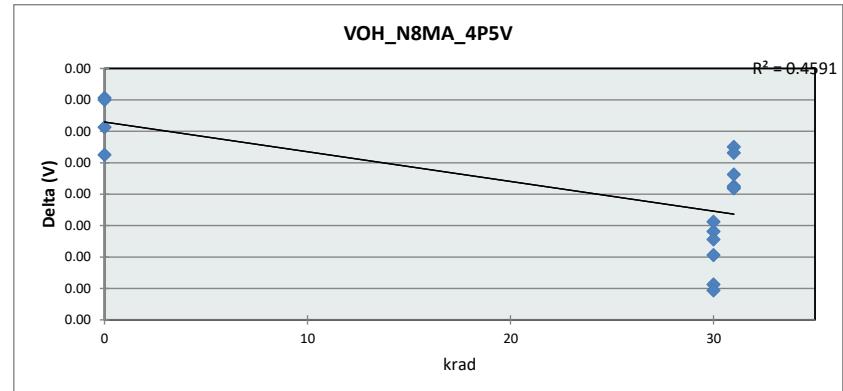
VOH_N5P5MA_3V						
Units		V				
Max Limit		3.1				
Min Limit		2.49				
krad	0	30	31			
LL	2.490	2.490	2.490			
Min	2.857	2.854	2.856			
Average	2.857	2.855	2.856			
Max	2.858	2.855	2.856			
UL	3.100	3.100	3.100			



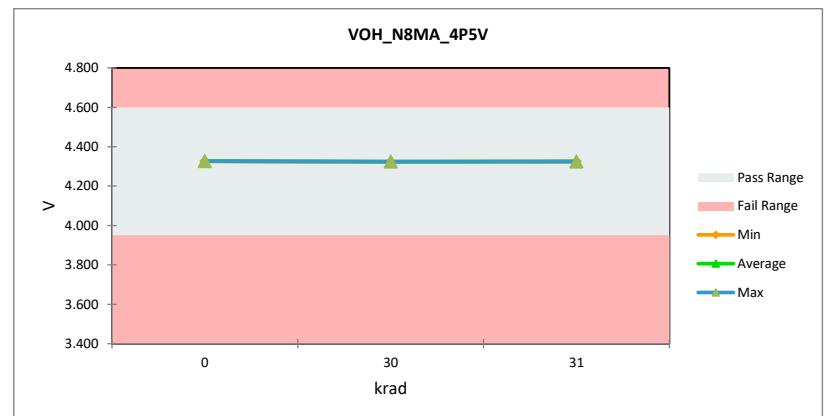
TID Report

SN54SC8T240-SEP

VOH_N8MA_4P5V						
Units		V				
Max Limit		4.6				
Min Limit		3.95				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	4.326	4.327	0.00	0.02%	0.16%
0	2	4.325	4.326	0.00	0.02%	0.15%
0	3	4.326	4.326	0.00	0.01%	0.09%
0	4	4.326	4.326	0.00	0.00%	0.02%
30	5	4.326	4.324	0.00	-0.04%	0.30%
30	6	4.325	4.323	0.00	-0.05%	0.31%
30	7	4.325	4.324	0.00	-0.03%	0.17%
30	8	4.325	4.324	0.00	-0.03%	0.23%
30	9	4.326	4.325	0.00	-0.02%	0.14%
30	10	4.326	4.325	0.00	-0.03%	0.19%
31	5a	4.326	4.325	0.00	-0.01%	0.06%
31	6a	4.325	4.325	0.00	-0.01%	0.06%
31	7a	4.325	4.325	0.00	0.01%	0.04%
31	8a	4.325	4.325	0.00	0.00%	0.02%
31	9a	4.326	4.325	0.00	0.00%	0.03%
31	10a	4.326	4.325	0.00	-0.01%	0.06%
Max		4.326	4.327	0.00	0.02%	0.31%
Average		4.326	4.325	0.00	-0.01%	0.13%
Min		4.325	4.323	0.00	-0.05%	0.02%
Std Dev		0.000	0.001	0.00	0.02%	0.10%



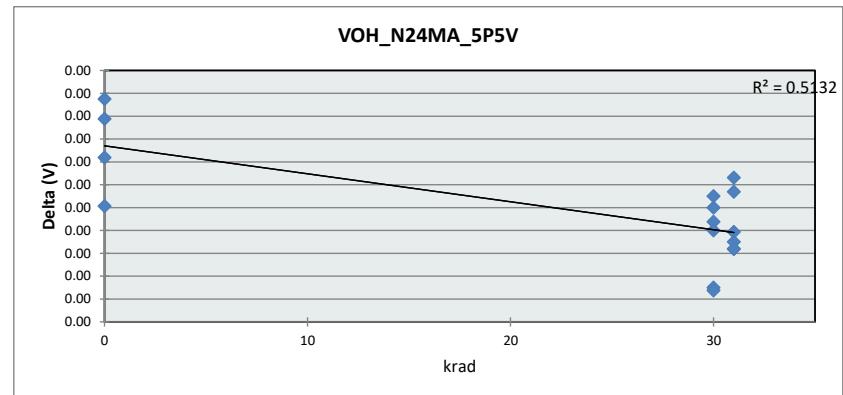
VOH_N8MA_4P5V						
Units		V				
Max Limit		4.6				
Min Limit		3.95				
krad	0	30	31			
LL	3.950	3.950	3.950			
Min	4.326	4.323	4.325			
Average	4.326	4.324	4.325			
Max	4.327	4.325	4.325			
UL	4.600	4.600	4.600			



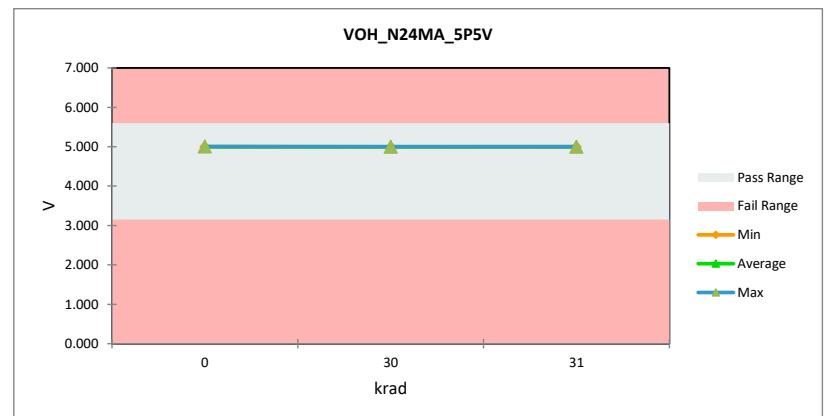
TID Report

SN54SC8T240-SEP

VOH_N24MA_5P5V						
Units		V				
Max Limit		5.6				
Min Limit		3.15				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	5.001	5.003	0.00	0.06%	0.12%
0	2	4.999	5.002	0.00	0.05%	0.10%
0	3	5.000	5.002	0.00	0.03%	0.07%
0	4	5.000	5.001	0.00	0.01%	0.02%
30	5	5.000	4.999	0.00	-0.03%	0.05%
30	6	4.999	4.998	0.00	-0.03%	0.05%
30	7	4.999	4.999	0.00	0.02%	0.03%
30	8	4.999	4.999	0.00	0.00%	0.01%
30	9	5.000	5.000	0.00	0.01%	0.02%
30	10	5.000	5.000	0.00	0.00%	0.00%
31	5a	5.000	5.000	0.00	0.00%	0.00%
31	6a	4.999	4.999	0.00	-0.01%	0.02%
31	7a	4.999	5.000	0.00	0.02%	0.05%
31	8a	4.999	4.999	0.00	0.02%	0.03%
31	9a	5.000	4.999	0.00	-0.01%	0.01%
31	10a	5.000	5.000	0.00	-0.01%	0.02%
Max		5.001	5.003	0.00	0.06%	0.12%
Average		5.000	5.000	0.00	0.01%	0.04%
Min		4.999	4.998	0.00	-0.03%	0.00%
Std Dev		0.001	0.001	0.00	0.02%	0.03%



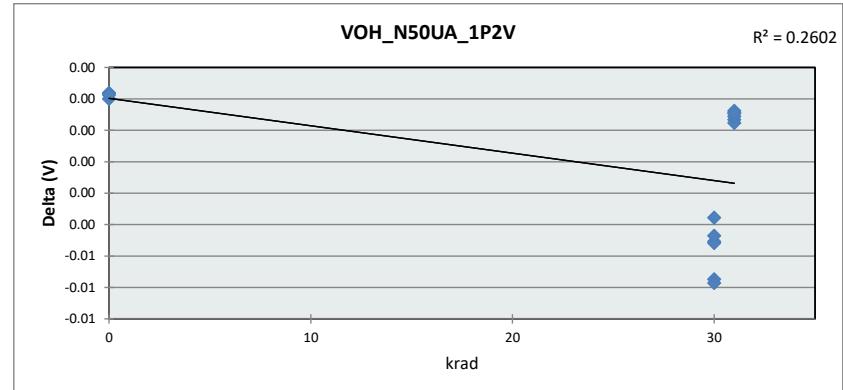
VOH_N24MA_5P5V						
Units		V				
Max Limit		5.6				
Min Limit		3.15				
krad	0	30	31			
LL	3.150	3.150	3.150			
Min	5.001	4.998	4.999			
Average	5.002	4.999	5.000			
Max	5.003	5.000	5.000			
UL	5.600	5.600	5.600			



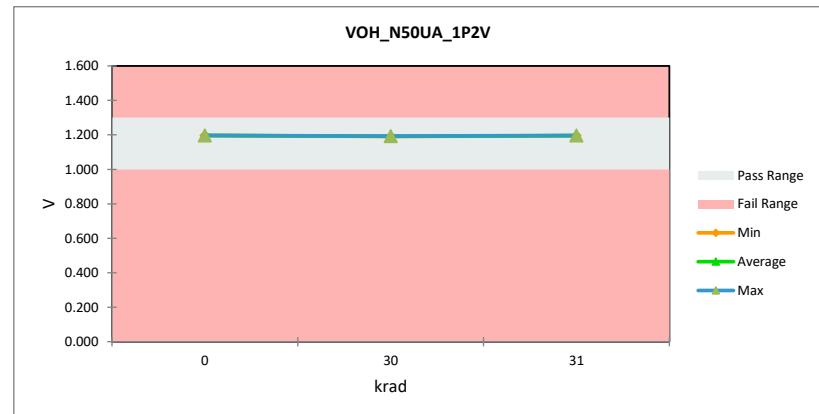
TID Report

SN54SC8T240-SEP

VOH_N50UA_1P2V						
Units		V				
Max Limit		1.3				
Min Limit		1				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.196	1.197	0.00	0.02%	0.06%
0	2	1.197	1.197	0.00	0.00%	0.00%
0	3	1.197	1.197	0.00	0.02%	0.06%
0	4	1.197	1.197	0.00	0.01%	0.04%
30	5	1.197	1.192	0.00	-0.38%	1.51%
30	6	1.197	1.191	-0.01	-0.48%	1.91%
30	7	1.196	1.192	0.00	-0.38%	1.53%
30	8	1.197	1.191	-0.01	-0.49%	1.95%
30	9	1.197	1.193	0.00	-0.32%	1.26%
30	10	1.197	1.192	0.00	-0.36%	1.45%
31	5a	1.197	1.196	0.00	-0.04%	0.15%
31	6a	1.197	1.196	0.00	-0.06%	0.22%
31	7a	1.196	1.196	0.00	-0.03%	0.13%
31	8a	1.197	1.196	0.00	-0.06%	0.26%
31	9a	1.197	1.196	0.00	-0.05%	0.19%
31	10a	1.197	1.196	0.00	-0.04%	0.16%
Max		1.197	1.197	0.00	0.02%	1.95%
Average		1.197	1.195	0.00	-0.17%	0.68%
Min		1.196	1.191	-0.01	-0.49%	0.00%
Std Dev		0.000	0.002	0.00	0.19%	0.76%



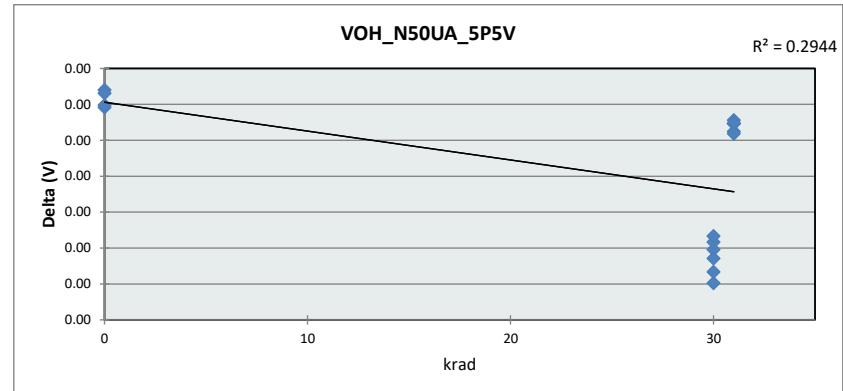
VOH_N50UA_1P2V						
Units		V				
Max Limit		1.3				
Min Limit		1				
krad		0	30	31		
LL		1.000	1.000	1.000		
Min		1.197	1.191	1.196		
Average		1.197	1.192	1.196		
Max		1.197	1.193	1.196		
UL		1.300	1.300	1.300		



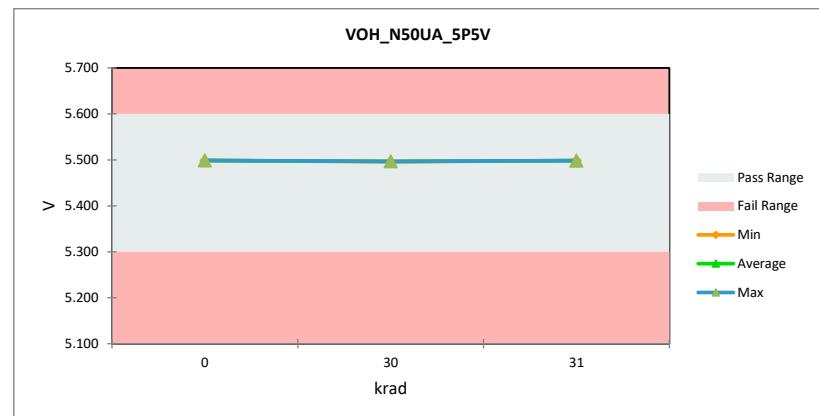
TID Report

SN54SC8T240-SEP

VOH_N50UA_5P5V						
Units		V				
Max Limit		5.6				
Min Limit		5.3				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	5.499	5.499	0.00	0.00%	0.01%
0	2	5.498	5.499	0.00	0.00%	0.07%
0	3	5.498	5.499	0.00	0.00%	0.05%
0	4	5.499	5.499	0.00	0.00%	0.00%
30	5	5.499	5.497	0.00	-0.04%	0.67%
30	6	5.499	5.496	0.00	-0.05%	0.83%
30	7	5.498	5.497	0.00	-0.03%	0.64%
30	8	5.498	5.496	0.00	-0.04%	0.78%
30	9	5.499	5.497	0.00	-0.03%	0.61%
30	10	5.499	5.496	0.00	-0.04%	0.71%
31	5a	5.499	5.498	0.00	-0.01%	0.13%
31	6a	5.499	5.498	0.00	0.00%	0.09%
31	7a	5.498	5.498	0.00	0.00%	0.09%
31	8a	5.498	5.498	0.00	0.00%	0.07%
31	9a	5.499	5.498	0.00	0.00%	0.09%
31	10a	5.499	5.498	0.00	-0.01%	0.14%
Max		5.499	5.499	0.00	0.00%	0.83%
Average		5.499	5.498	0.00	-0.02%	0.31%
Min		5.498	5.496	0.00	-0.05%	0.00%
Std Dev		0.000	0.001	0.00	0.02%	0.32%



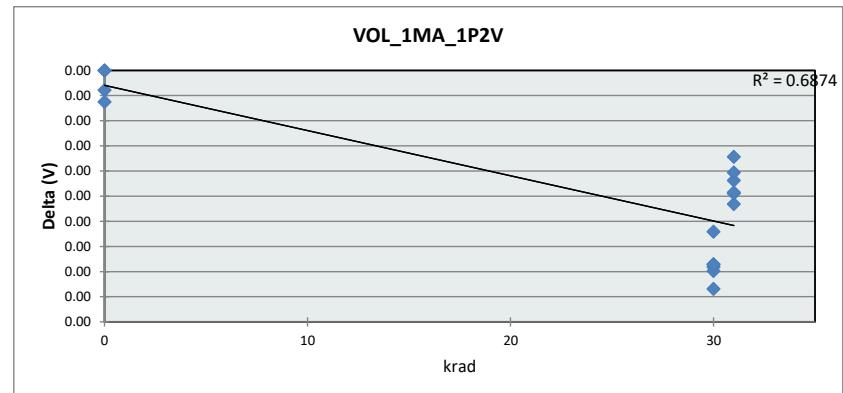
VOH_N50UA_5P5V						
Units		V				
Max Limit		5.6				
Min Limit		5.3				
krad	0	30	31			
LL	5.300	5.300	5.300			
Min	5.499	5.496	5.498			
Average	5.499	5.496	5.498			
Max	5.499	5.497	5.498			
UL	5.600	5.600	5.600			



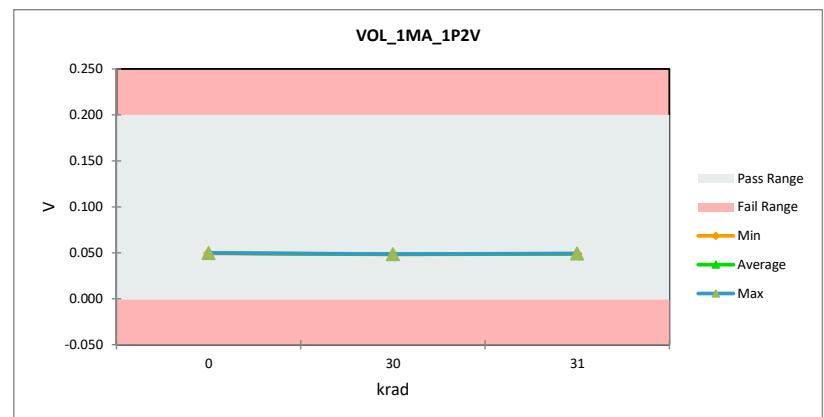
TID Report

SN54SC8T240-SEP

VOL_1MA_1P2V						
Units	V					
Max Limit	0.2					
Min Limit	-0.001					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.050	0.050	0.00	-0.31%	0.08%
0	2	0.050	0.050	0.00	0.00%	0.00%
0	3	0.050	0.049	0.00	-0.50%	0.12%
0	4	0.050	0.050	0.00	0.00%	0.00%
30	5	0.050	0.048	0.00	-2.59%	0.64%
30	6	0.050	0.048	0.00	-3.48%	0.86%
30	7	0.050	0.048	0.00	-3.09%	0.77%
30	8	0.050	0.048	0.00	-3.19%	0.79%
30	9	0.050	0.049	0.00	-3.12%	0.78%
30	10	0.050	0.049	0.00	-3.08%	0.77%
31	5a	0.050	0.049	0.00	-1.39%	0.34%
31	6a	0.050	0.049	0.00	-1.75%	0.44%
31	7a	0.050	0.049	0.00	-2.13%	0.53%
31	8a	0.050	0.049	0.00	-1.96%	0.49%
31	9a	0.050	0.049	0.00	-1.93%	0.48%
31	10a	0.050	0.049	0.00	-1.62%	0.40%
Max		0.050	0.050	0.00	0.00%	0.86%
Average		0.050	0.049	0.00	-1.88%	0.47%
Min		0.050	0.048	0.00	-3.48%	0.00%
Std Dev		0.000	0.001	0.00	1.18%	0.29%



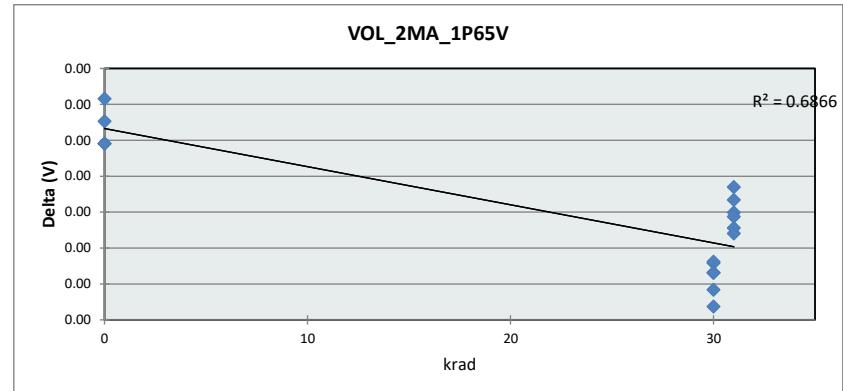
VOL_1MA_1P2V						
Units	V					
Max Limit	0.2					
Min Limit	-0.001					
krad	0	30	31	LL	Min	UL
LL	-0.001	-0.001	-0.001	0.049	0.048	0.049
Min	0.049	0.048	0.049	0.049	0.049	0.049
Average	0.050	0.048	0.049	0.050	0.049	0.049
Max	0.050	0.049	0.049	0.050	0.049	0.049
UL	0.200	0.200	0.200	0.200	0.200	0.200



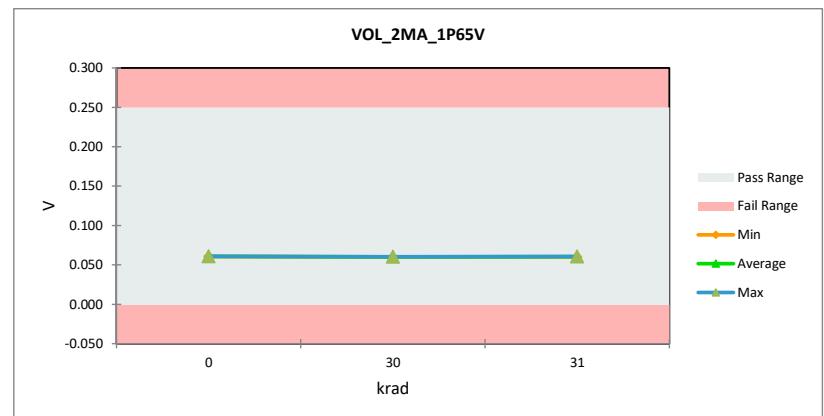
TID Report

SN54SC8T240-SEP

VOL_2MA_1P65V						
Units	V					
Max Limit	0.25					
Min Limit	-0.001					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.061	0.061	0.00	-0.36%	0.09%
0	2	0.061	0.061	0.00	-0.15%	0.04%
0	3	0.061	0.061	0.00	-0.36%	0.09%
0	4	0.061	0.061	0.00	0.05%	0.01%
30	5	0.061	0.060	0.00	-1.45%	0.35%
30	6	0.061	0.060	0.00	-1.44%	0.35%
30	7	0.061	0.060	0.00	-1.84%	0.45%
30	8	0.061	0.060	0.00	-1.69%	0.41%
30	9	0.061	0.060	0.00	-1.53%	0.37%
30	10	0.061	0.060	0.00	-1.53%	0.37%
31	5a	0.061	0.061	0.00	-0.87%	0.21%
31	6a	0.061	0.060	0.00	-1.13%	0.27%
31	7a	0.061	0.061	0.00	-0.98%	0.24%
31	8a	0.061	0.061	0.00	-1.17%	0.29%
31	9a	0.061	0.061	0.00	-1.02%	0.25%
31	10a	0.061	0.061	0.00	-0.75%	0.18%
Max		0.061	0.061	0.00	0.05%	0.45%
Average		0.061	0.060	0.00	-1.01%	0.25%
Min		0.061	0.060	0.00	-1.84%	0.01%
Std Dev		0.000	0.000	0.00	0.57%	0.14%



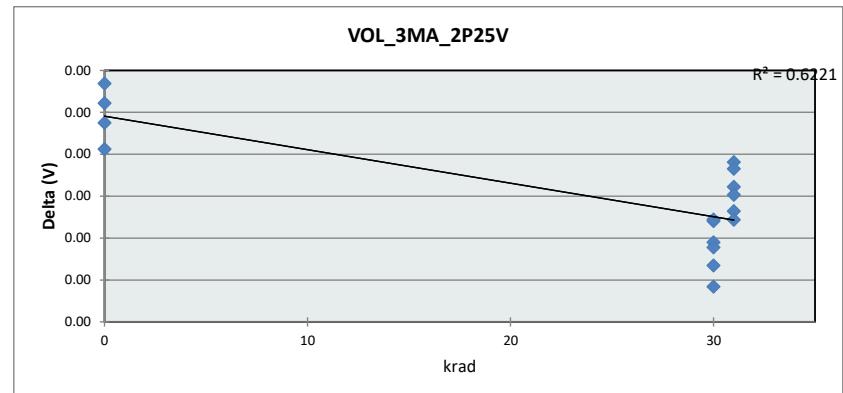
VOL_2MA_1P65V						
Units	V					
Max Limit	0.25					
Min Limit	-0.001					
krad	0	30	31	LL	Min	UL
LL	-0.001	-0.001	-0.001	0.061	0.060	0.060
Min	0.061	0.060	0.060	0.061	0.060	0.061
Average	0.061	0.060	0.061	0.061	0.060	0.061
Max	0.061	0.060	0.061	0.250	0.250	0.250



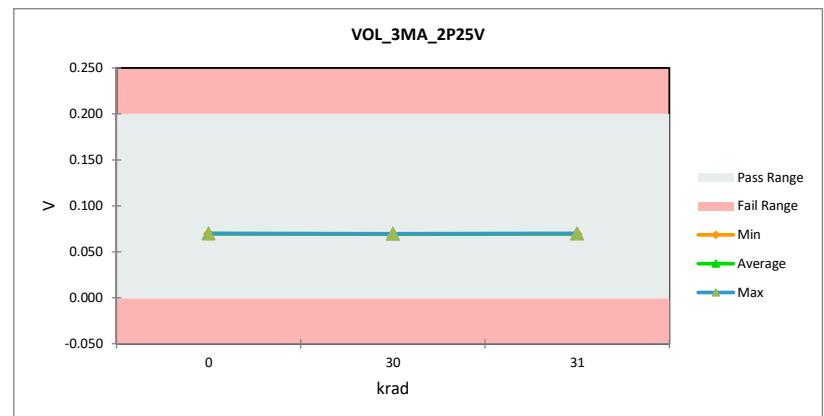
TID Report

SN54SC8T240-SEP

VOL_3MA_2P25V						
Units		V				
Max Limit		0.2				
Min Limit		-0.001				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.070	0.070	0.00	-0.54%	0.19%
0	2	0.070	0.070	0.00	-0.36%	0.12%
0	3	0.070	0.070	0.00	-0.22%	0.08%
0	4	0.070	0.070	0.00	-0.09%	0.03%
30	5	0.070	0.069	0.00	-1.03%	0.36%
30	6	0.070	0.069	0.00	-1.47%	0.51%
30	7	0.070	0.069	0.00	-1.17%	0.41%
30	8	0.070	0.069	0.00	-1.32%	0.46%
30	9	0.070	0.070	0.00	-1.01%	0.35%
30	10	0.070	0.070	0.00	-1.20%	0.42%
31	5a	0.070	0.070	0.00	-0.79%	0.28%
31	6a	0.070	0.070	0.00	-0.85%	0.30%
31	7a	0.070	0.070	0.00	-0.96%	0.33%
31	8a	0.070	0.070	0.00	-1.01%	0.35%
31	9a	0.070	0.070	0.00	-0.62%	0.22%
31	10a	0.070	0.070	0.00	-0.67%	0.23%
Max		0.070	0.070	0.00	-0.09%	0.51%
Average		0.070	0.070	0.00	-0.83%	0.29%
Min		0.070	0.069	0.00	-1.47%	0.03%
Std Dev		0.000	0.000	0.00	0.39%	0.14%



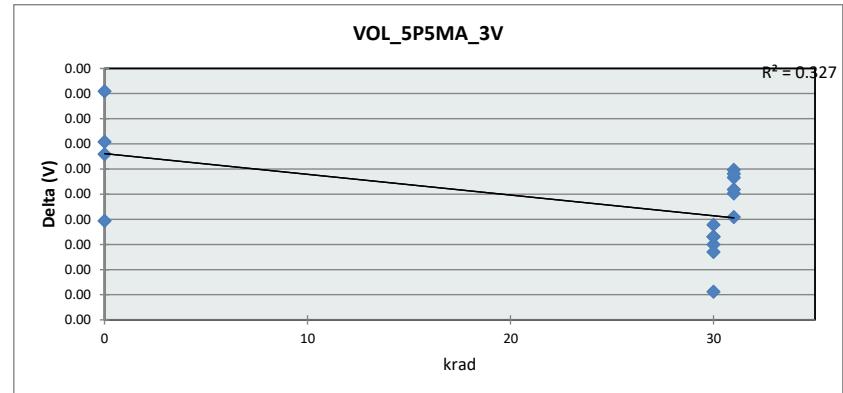
VOL_3MA_2P25V						
Units		V				
Max Limit		0.2				
Min Limit		-0.001				
krad		0	30	31		
LL		-0.001	-0.001	-0.001		
Min		0.070	0.069	0.070		
Average		0.070	0.069	0.070		
Max		0.070	0.070	0.070		
UL		0.200	0.200	0.200		



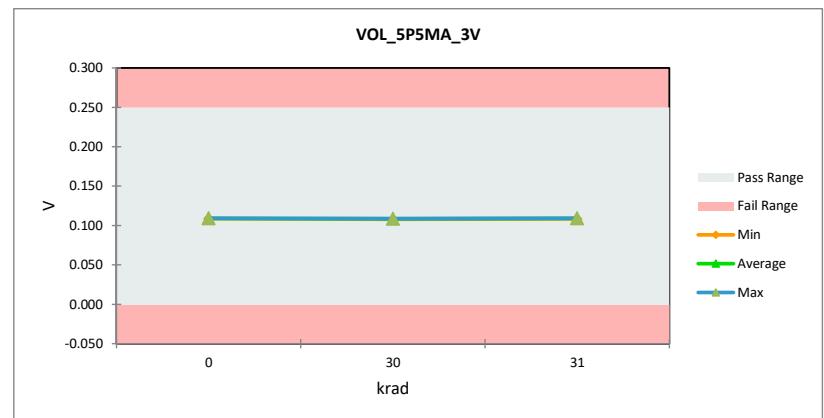
TID Report

SN54SC8T240-SEP

VOL_5P5MA_3V						
Units	V					
Max Limit	0.25					
Min Limit	-0.001					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.110	0.109	0.00	-0.74%	0.32%
0	2	0.109	0.109	0.00	-0.26%	0.11%
0	3	0.109	0.109	0.00	-0.17%	0.07%
0	4	0.109	0.109	0.00	0.20%	0.09%
30	5	0.110	0.109	0.00	-0.91%	0.40%
30	6	0.109	0.108	0.00	-1.26%	0.55%
30	7	0.109	0.108	0.00	-0.86%	0.37%
30	8	0.110	0.109	0.00	-0.97%	0.42%
30	9	0.110	0.109	0.00	-0.86%	0.37%
30	10	0.110	0.109	0.00	-0.77%	0.34%
31	5a	0.110	0.109	0.00	-0.43%	0.19%
31	6a	0.109	0.109	0.00	-0.72%	0.31%
31	7a	0.109	0.109	0.00	-0.37%	0.16%
31	8a	0.110	0.109	0.00	-0.54%	0.24%
31	9a	0.110	0.109	0.00	-0.51%	0.22%
31	10a	0.110	0.109	0.00	-0.40%	0.17%
Max		0.110	0.109	0.00	0.20%	0.55%
Average		0.109	0.109	0.00	-0.60%	0.27%
Min		0.109	0.108	0.00	-1.26%	0.07%
Std Dev		0.000	0.000	0.00	0.36%	0.14%



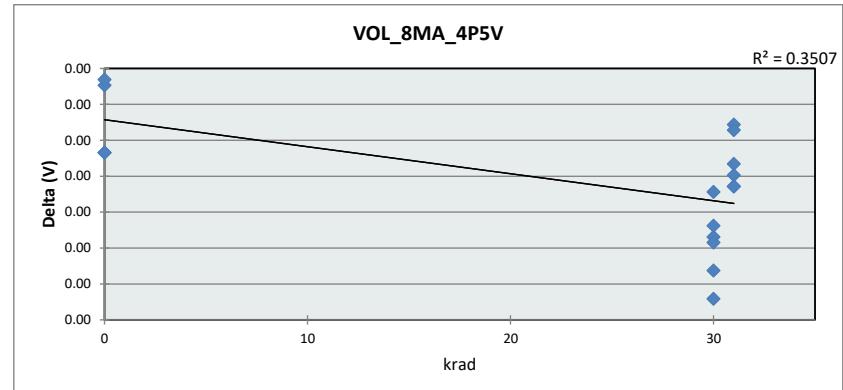
VOL_5P5MA_3V						
Units	V					
Max Limit	0.25					
Min Limit	-0.001					
krad	0	30	31	LL	Min	UL
LL	-0.001	-0.001	-0.001	0.109	0.108	0.109
Min	0.109	0.108	0.109	0.109	0.109	0.109
Average	0.109	0.109	0.109	0.109	0.109	0.109
Max	0.109	0.109	0.109	0.250	0.250	0.250



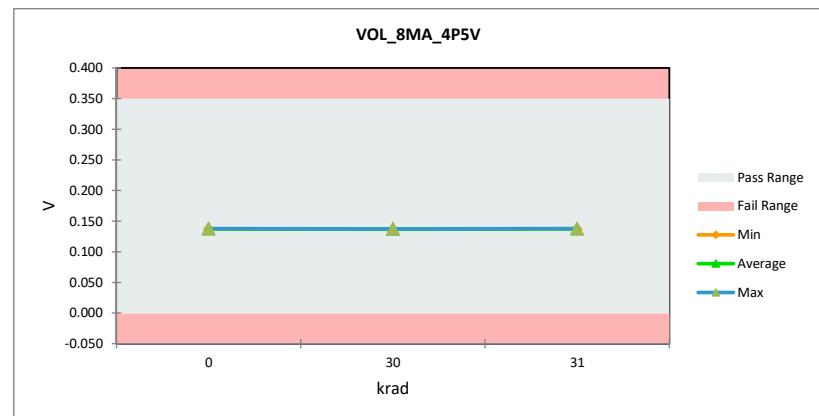
TID Report

SN54SC8T240-SEP

VOL_8MA_4P5V						
Units	V					
Max Limit	0.35					
Min Limit	-0.001					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.138	0.137	0.00	-0.34%	0.13%
0	2	0.138	0.137	0.00	-0.34%	0.13%
0	3	0.138	0.138	0.00	-0.07%	0.03%
0	4	0.138	0.138	0.00	-0.05%	0.02%
30	5	0.138	0.137	0.00	-0.68%	0.27%
30	6	0.138	0.137	0.00	-0.93%	0.37%
30	7	0.138	0.137	0.00	-0.50%	0.20%
30	8	0.138	0.137	0.00	-0.63%	0.25%
30	9	0.138	0.137	0.00	-0.82%	0.32%
30	10	0.138	0.137	0.00	-0.70%	0.28%
31	5a	0.138	0.138	0.00	-0.23%	0.09%
31	6a	0.138	0.137	0.00	-0.48%	0.19%
31	7a	0.138	0.137	0.00	-0.43%	0.17%
31	8a	0.138	0.138	0.00	-0.47%	0.19%
31	9a	0.138	0.138	0.00	-0.38%	0.15%
31	10a	0.138	0.138	0.00	-0.25%	0.10%
Max		0.138	0.138	0.00	-0.05%	0.37%
Average		0.138	0.137	0.00	-0.46%	0.18%
Min		0.138	0.137	0.00	-0.93%	0.02%
Std Dev		0.000	0.000	0.00	0.25%	0.10%



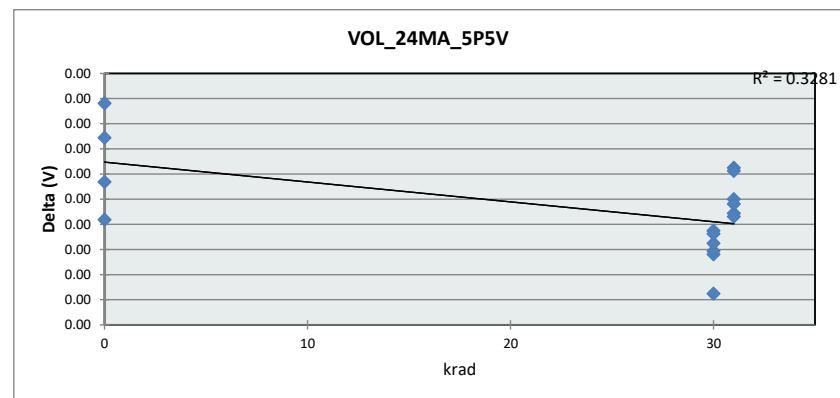
VOL_8MA_4P5V						
Units	V					
Max Limit	0.35					
Min Limit	-0.001					
krad	0	30	31	LL	Min	UL
LL	-0.001	-0.001	-0.001	0.137	0.137	0.137
Min	0.137	0.137	0.137	0.137	0.137	0.137
Average	0.137	0.137	0.138	0.138	0.138	0.138
Max	0.138	0.137	0.138	0.138	0.138	0.138
UL	0.350	0.350	0.350	0.350	0.350	0.350



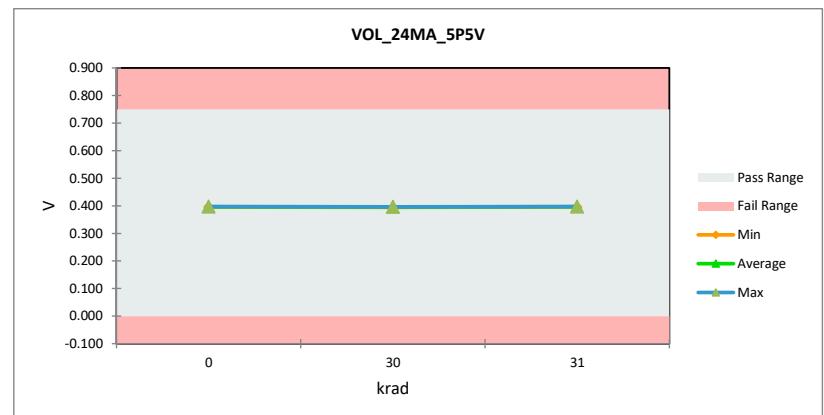
TID Report

SN54SC8T240-SEP

VOL_24MA_5P5V						
Units		V				
Max Limit		0.75				
Min Limit		-0.001				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.398	0.396	0.00	-0.48%	0.25%
0	2	0.398	0.396	0.00	-0.29%	0.15%
0	3	0.397	0.397	0.00	-0.07%	0.04%
0	4	0.397	0.397	0.00	0.10%	0.05%
30	5	0.398	0.396	0.00	-0.53%	0.28%
30	6	0.398	0.394	0.00	-0.85%	0.45%
30	7	0.398	0.395	0.00	-0.65%	0.35%
30	8	0.399	0.396	0.00	-0.64%	0.34%
30	9	0.398	0.396	0.00	-0.60%	0.32%
30	10	0.398	0.396	0.00	-0.55%	0.29%
31	5a	0.398	0.397	0.00	-0.22%	0.12%
31	6a	0.398	0.396	0.00	-0.45%	0.24%
31	7a	0.398	0.396	0.00	-0.38%	0.20%
31	8a	0.399	0.397	0.00	-0.46%	0.25%
31	9a	0.398	0.397	0.00	-0.40%	0.21%
31	10a	0.398	0.397	0.00	-0.24%	0.12%
Max		0.399	0.397	0.00	0.10%	0.45%
Average		0.398	0.396	0.00	-0.42%	0.23%
Min		0.397	0.394	0.00	-0.85%	0.04%
Std Dev		0.000	0.001	0.00	0.24%	0.11%

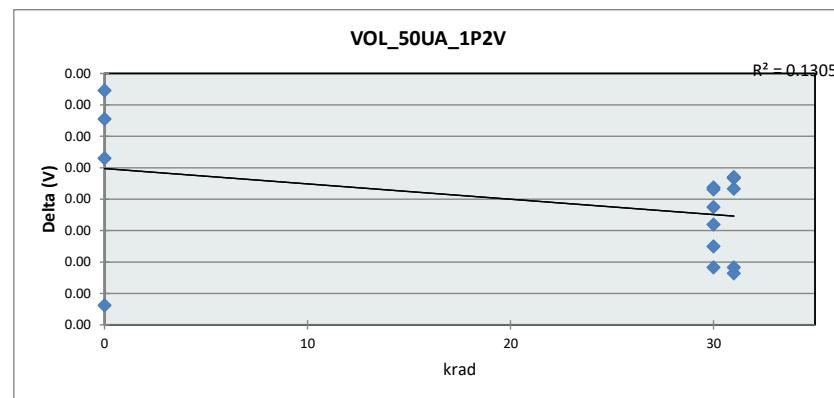


VOL_24MA_5P5V						
Units		V				
Max Limit		0.75				
Min Limit		-0.001				
krad		0	30	31		
LL		-0.001	-0.001	-0.001		
Min		0.396	0.394	0.396		
Average		0.397	0.396	0.397		
Max		0.397	0.396	0.397		
UL		0.750	0.750	0.750		

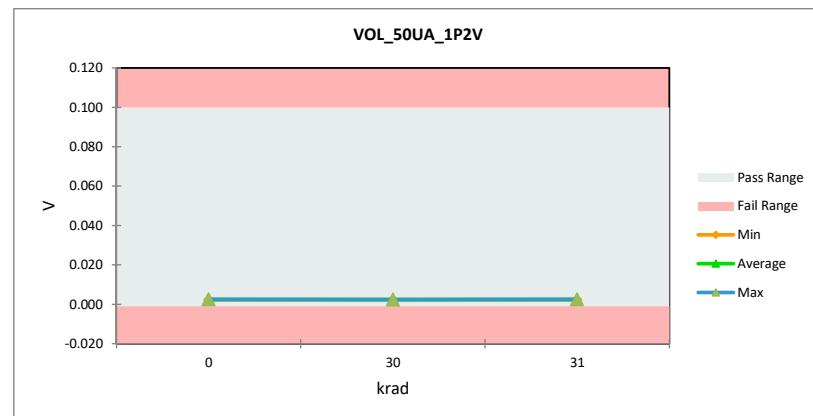


TID Report
SN54SC8T240-SEP

VOL_50UA_1P2V						
Units	V					
Max Limit	0.1					
Min Limit	-0.001					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.002	0.002	0.00	0.61%	0.01%
0	2	0.003	0.002	0.00	-8.72%	0.22%
0	3	0.002	0.002	0.00	5.18%	0.12%
0	4	0.002	0.003	0.00	3.19%	0.08%
30	5	0.002	0.002	0.00	-1.29%	0.03%
30	6	0.002	0.002	0.00	-3.66%	0.09%
30	7	0.003	0.002	0.00	-4.95%	0.12%
30	8	0.002	0.002	0.00	-6.35%	0.16%
30	9	0.002	0.002	0.00	-1.43%	0.03%
30	10	0.002	0.002	0.00	-2.54%	0.06%
31	5a	0.002	0.002	0.00	-0.68%	0.02%
31	6a	0.002	0.002	0.00	-6.79%	0.17%
31	7a	0.003	0.003	0.00	-0.64%	0.02%
31	8a	0.002	0.002	0.00	-6.35%	0.16%
31	9a	0.002	0.002	0.00	-0.62%	0.01%
31	10a	0.002	0.002	0.00	-1.36%	0.03%
		Max	0.003	0.003	0.00	5.18%
		Average	0.002	0.002	0.00	-2.28%
		Min	0.002	0.002	0.00	-8.72%
		Std Dev	0.000	0.000	0.00	3.73%
						0.07%



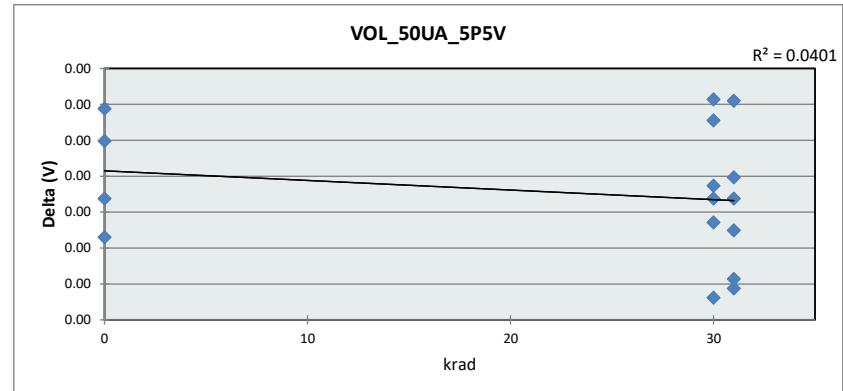
VOL_50UA_1P2V			
Units	V		
Max Limit	0.1		
Min Limit	-0.001		
krad	0	30	31
LL	-0.001	-0.001	-0.001
Min	0.002	0.002	0.002
Average	0.002	0.002	0.002
Max	0.003	0.002	0.003
UL	0.100	0.100	0.100



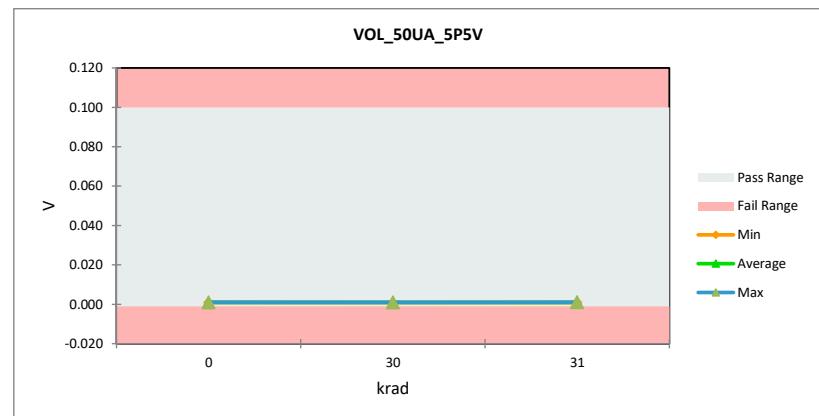
TID Report

SN54SC8T240-SEP

VOL_50UA_5P5V						
Units	V					
Max Limit	0.1					
Min Limit	-0.001					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.001	0.001	0.00	-3.35%	0.03%
0	2	0.001	0.001	0.00	-7.97%	0.08%
0	3	0.001	0.001	0.00	10.78%	0.09%
0	4	0.001	0.001	0.00	5.10%	0.05%
30	5	0.001	0.001	0.00	-6.07%	0.06%
30	6	0.001	0.001	0.00	11.84%	0.11%
30	7	0.001	0.001	0.00	8.18%	0.08%
30	8	0.001	0.001	0.00	-16.29%	0.17%
30	9	0.001	0.001	0.00	-1.30%	0.01%
30	10	0.001	0.001	0.00	-3.09%	0.03%
31	5a	0.001	0.001	0.00	-0.17%	0.00%
31	6a	0.001	0.001	0.00	-3.47%	0.03%
31	7a	0.001	0.001	0.00	11.06%	0.10%
31	8a	0.001	0.001	0.00	-7.26%	0.07%
31	9a	0.001	0.001	0.00	-15.23%	0.15%
31	10a	0.001	0.001	0.00	-14.11%	0.14%
Max		0.001	0.001	0.00	11.84%	0.17%
Average		0.001	0.001	0.00	-1.96%	0.08%
Min		0.001	0.001	0.00	-16.29%	0.00%
Std Dev		0.000	0.000	0.00	9.29%	0.05%



VOL_50UA_5P5V						
Units	V					
Max Limit	0.1					
Min Limit	-0.001					
krad	0	30	31			
LL	-0.001	-0.001	-0.001			
Min	0.001	0.001	0.001			
Average	0.001	0.001	0.001			
Max	0.001	0.001	0.001			
UL	0.100	0.100	0.100			



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