



ABSTRACT

This report covers the radiation characterization results of the SN54SC8T244-SEP, radiation tolerant octal 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 SN54SC8T244-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 SN54SC8T244-SEP is an octal buffer with 3-state outputs. The device is configured into two banks of four drivers, each controlled by an output enable pin.

The input is designed with a reduced threshold circuit to support up translation when the supply voltage is larger than the input voltage. Additionally, the 5V tolerant input pins enable down translation when the input voltage is larger than the supply voltage. The output level is always referenced to the supply voltage (V_{CC}) and supports 1.8V, 2.5V, 3.3V, and 5V CMOS levels.

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	SN54SC8T244-SEP
VID Number	V62/25631
Package	20-pin PW (TSSOP)
Technology	LBC9
Die Lot Number	3270892RFB
A/T Lot Number and Date Code	4166236ML4 / 42C22KK
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	172.35rad(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 SN54SC8T244-SEP samples were irradiated at a high dose rate of 172.35rad(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 SN54SC8T244-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 172.35rads(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.

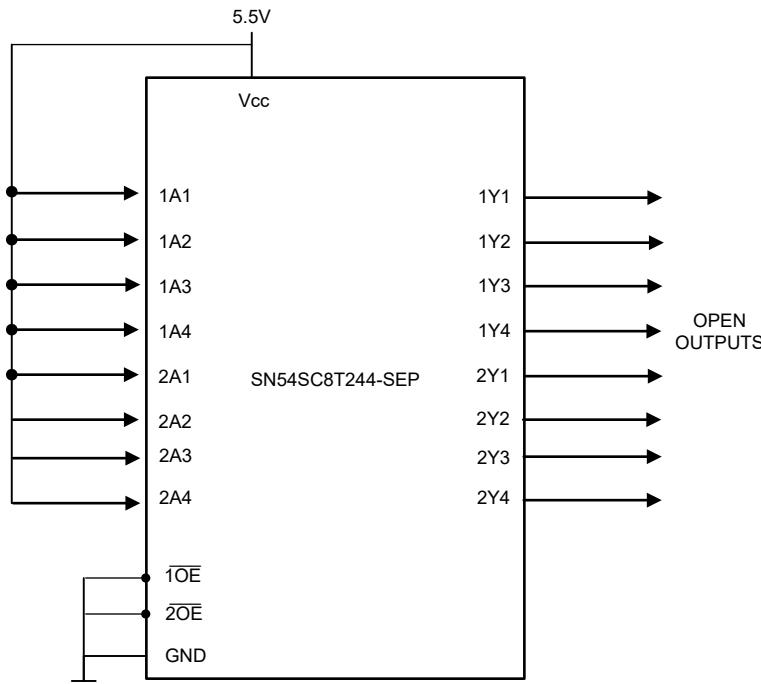


Figure 2-1. SN54SC8T244-SEP Bias Diagram

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 = 172.35rad(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 SN54SC8T244-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 SN54SC8T244-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 [SN54SC8T244-SEP Radiation-Tolerant, Octal 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.

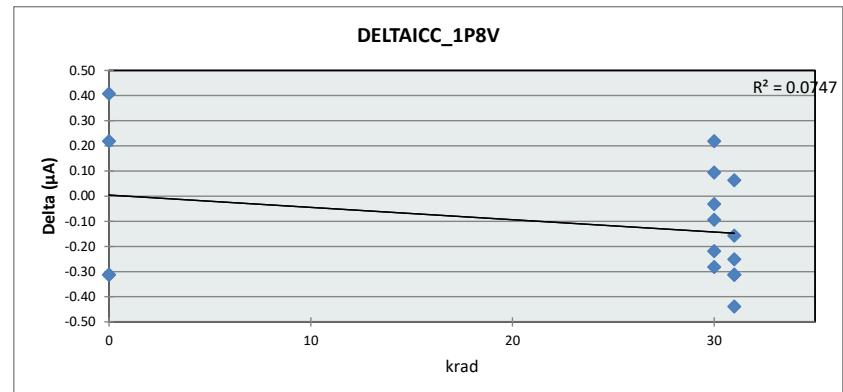
5 Appendix: HDR TID Report Data

This appendix provides the SN54SC8T244-SEP TID HDR report. The report shows the variation for each parameter up to 30krad(Si).

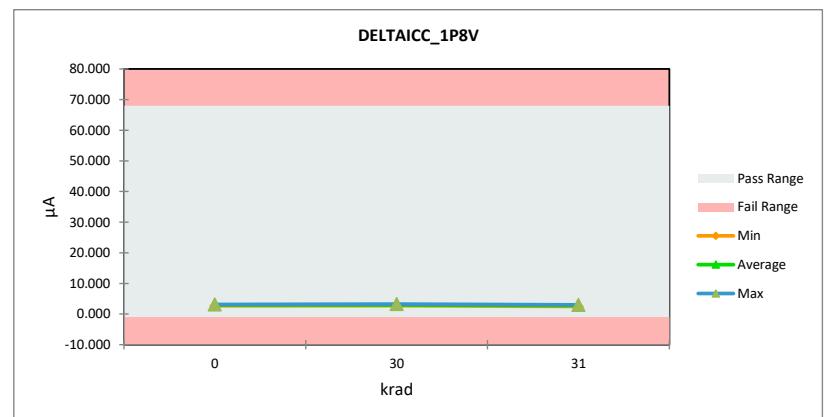
TID Report

SN54SC8T244-SEP

DETAICC_1P8V						
Units	μA					
Max Limit	68					
Min Limit	-1					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.973	2.660	-0.31	-10.53%	0.45%
0	2	3.192	2.879	-0.31	-9.81%	0.45%
0	3	2.879	3.098	0.22	7.61%	0.32%
0	4	2.723	3.130	0.41	14.95%	0.59%
30	5	2.911	3.005	0.09	3.23%	0.14%
30	6	3.005	2.973	-0.03	-1.06%	0.05%
30	7	2.973	2.879	-0.09	-3.16%	0.14%
30	8	2.942	2.723	-0.22	-7.44%	0.32%
30	9	3.161	2.879	-0.28	-8.92%	0.41%
30	10	3.036	3.255	0.22	7.21%	0.32%
31	5a	2.911	2.472	-0.44	-15.08%	0.64%
31	6a	3.005	2.848	-0.16	-5.22%	0.23%
31	7a	2.973	2.660	-0.31	-10.53%	0.45%
31	8a	2.942	3.005	0.06	2.14%	0.09%
31	9a	3.161	2.848	-0.31	-9.90%	0.45%
31	10a	3.036	2.785	-0.25	-8.27%	0.36%
Max		3.192	3.255	0.06	14.95%	0.64%
Average		2.989	2.881	-0.11	-3.42%	0.34%
Min		2.723	2.472	-0.25	-15.08%	0.05%
Std Dev		0.117	0.198	0.08	8.35%	0.17%



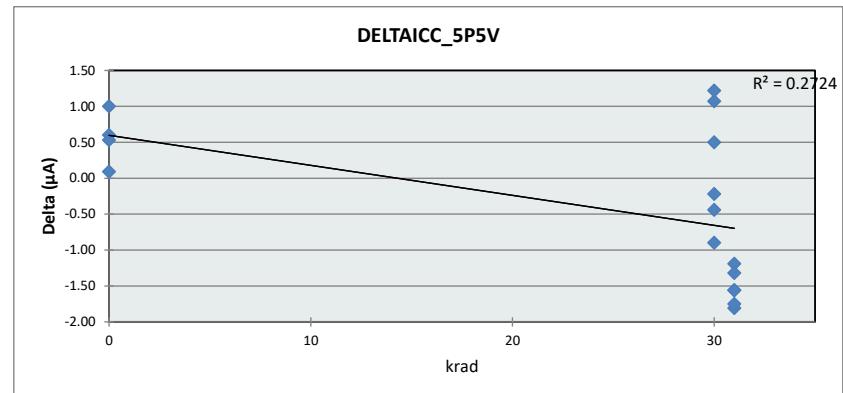
DETAICC_1P8V						
Units	μA					
Max Limit	68					
Min Limit	-1					
krad	0	30	31	LL	Min	UL
Max	3.192	3.255	0.06	-1.000	-1.000	-1.000
Average	2.989	2.881	-0.11	-3.42%	0.34%	
Min	2.723	2.472	-0.25	2.660	2.723	2.472
Average	2.942	2.952	2.770			
Max	3.130	3.255	3.005			
UL	68.000	68.000	68.000			



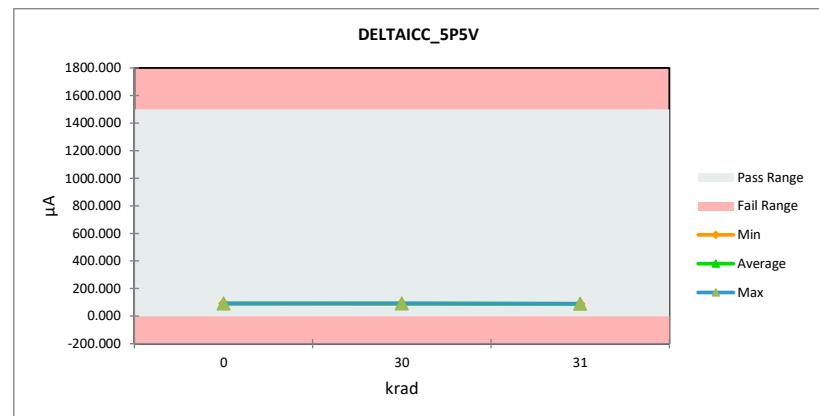
TID Report

SN54SC8T244-SEP

DETAICC_5P5V						
Units	μA					
Max Limit	1500					
Min Limit	-1					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	91.420	91.510	0.09	0.10%	0.01%
0	2	90.320	90.920	0.60	0.66%	0.04%
0	3	90.760	91.760	1.00	1.10%	0.07%
0	4	90.860	91.390	0.53	0.58%	0.04%
30	5	90.290	91.360	1.07	1.19%	0.07%
30	6	91.510	90.610	-0.90	-0.98%	0.06%
30	7	91.760	91.320	-0.44	-0.48%	0.03%
30	8	90.790	92.010	1.22	1.34%	0.08%
30	9	91.360	91.860	0.50	0.55%	0.03%
30	10	91.640	91.420	-0.22	-0.24%	0.01%
31	5a	90.290	88.730	-1.56	-1.73%	0.10%
31	6a	91.510	89.950	-1.56	-1.70%	0.10%
31	7a	91.760	89.950	-1.81	-1.97%	0.12%
31	8a	90.790	89.600	-1.19	-1.31%	0.08%
31	9a	91.360	90.040	-1.32	-1.44%	0.09%
31	10a	91.640	89.890	-1.75	-1.91%	0.12%
Max		91.760	92.010	0.25	1.34%	0.12%
Average		91.129	90.770	-0.36	-0.39%	0.07%
Min		90.290	88.730	-1.56	-1.97%	0.01%
Std Dev		0.535	0.964	0.43	1.20%	0.04%



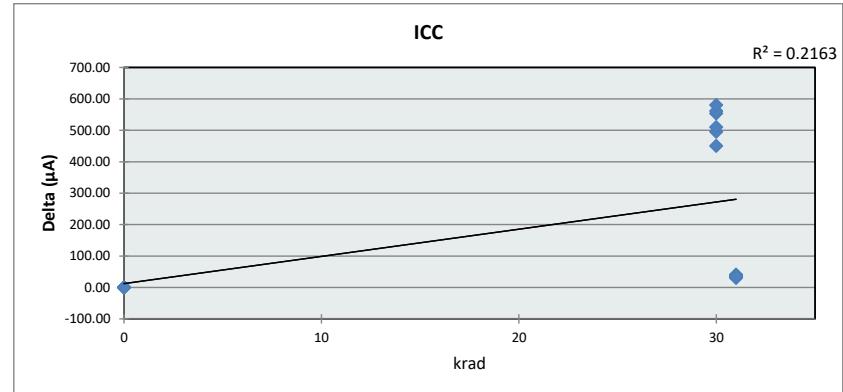
DETAICC_5P5V						
Units	μA					
Max Limit	1500					
Min Limit	-1					
krad	0	30	31	LL	Min	UL
Max	91.760	92.010	90.040	-1.000	-1.000	-1.000
Average	91.129	90.770	88.730	90.920	90.610	88.730
Min	90.290	88.730	-1.56	90.400	88.693	88.730
UL	1500.000	1500.000	1500.000	1500.000	1500.000	1500.000



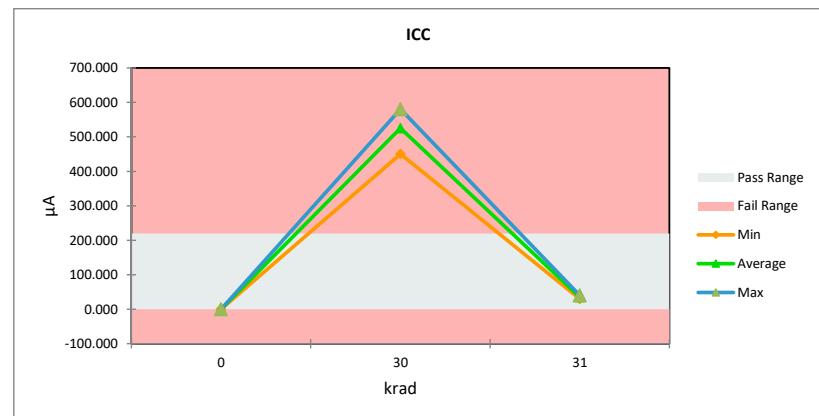
TID Report

SN54SC8T244-SEP

ICC						
Units	μA					
Max Limit	220	Min Limit	-0.1			
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.109	0.033	-0.08	-69.50%	0.03%
0	2	0.030	0.012	-0.02	-59.35%	0.01%
0	3	0.084	0.041	-0.04	-51.43%	0.02%
0	4	0.033	0.044	0.01	31.94%	0.00%
30	5	0.029	450.300	450.27	1534141.91%	204.58%
30	6	0.034	553.800	553.77	1625376.96%	251.60%
30	7	0.037	561.500	561.46	1508902.96%	255.09%
30	8	0.038	580.500	580.46	1547074.84%	263.73%
30	9	0.047	495.500	495.45	1062292.80%	225.10%
30	10	0.044	509.800	509.76	1147064.72%	231.60%
31	5a	0.029	30.100	30.07	102455.37%	13.66%
31	6a	0.034	35.310	35.28	103539.57%	16.03%
31	7a	0.037	39.490	39.45	106027.39%	17.92%
31	8a	0.038	40.610	40.57	108135.61%	18.43%
31	9a	0.047	32.730	32.68	70075.81%	14.85%
31	10a	0.044	34.390	34.35	77285.24%	15.60%
Max		0.109	580.500	580.39	1625376.96%	263.73%
Average		0.045	210.260	210.22	562014.05%	95.52%
Min		0.029	0.012	-0.02	-69.50%	0.00%
Std Dev		0.021	253.957	253.94	688533.39%	115.38%



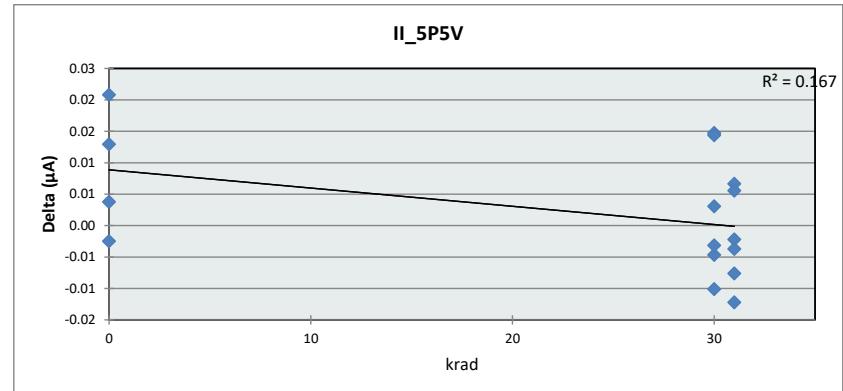
ICC						
Units	μA					
Max Limit	220	Min Limit	-0.1			
krad	0	30	31	LL	Min	UL
Max	0.109	580.500	580.39	1625376.96%	263.73%	-0.100
Average	0.045	210.260	210.22	562014.05%	95.52%	-0.100
Min	0.029	0.012	-0.02	-69.50%	0.00%	0.012
Std Dev	0.021	253.957	253.94	688533.39%	115.38%	450.300
Average				525.233	35.438	30.100
Max				580.500	40.610	220.000
UL				220.000	220.000	220.000



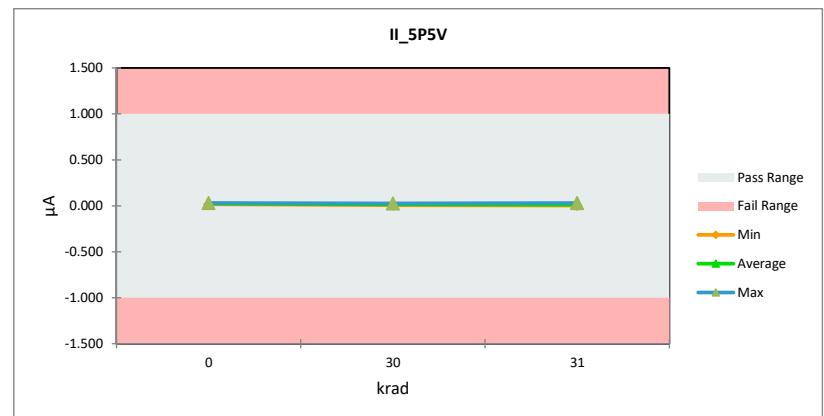
TID Report

SN54SC8T244-SEP

II_5P5V						
Units	μA					
Max Limit	1					
Min Limit	-1					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.010	0.031	0.02	207.99%	1.04%
0	2	0.008	0.021	0.01	158.93%	0.65%
0	3	0.020	0.024	0.00	19.01%	0.19%
0	4	0.019	0.017	0.00	-12.69%	0.12%
30	5	0.015	0.010	0.00	-30.94%	0.23%
30	6	0.010	0.025	0.01	146.13%	0.74%
30	7	0.015	0.005	-0.01	-65.55%	0.51%
30	8	0.013	0.009	0.00	-25.08%	0.16%
30	9	0.023	0.026	0.00	13.39%	0.15%
30	10	0.012	0.026	0.01	119.97%	0.72%
31	5a	0.015	0.003	-0.01	-81.05%	0.61%
31	6a	0.010	0.008	0.00	-21.79%	0.11%
31	7a	0.015	0.008	-0.01	-49.37%	0.38%
31	8a	0.013	0.009	0.00	-29.67%	0.19%
31	9a	0.023	0.030	0.01	29.00%	0.33%
31	10a	0.012	0.018	0.01	46.45%	0.28%
Max		0.023	0.031	0.01	207.99%	1.04%
Average		0.015	0.017	0.00	26.55%	0.40%
Min		0.008	0.003	-0.01	-81.05%	0.11%
Std Dev		0.005	0.009	0.00	86.77%	0.28%



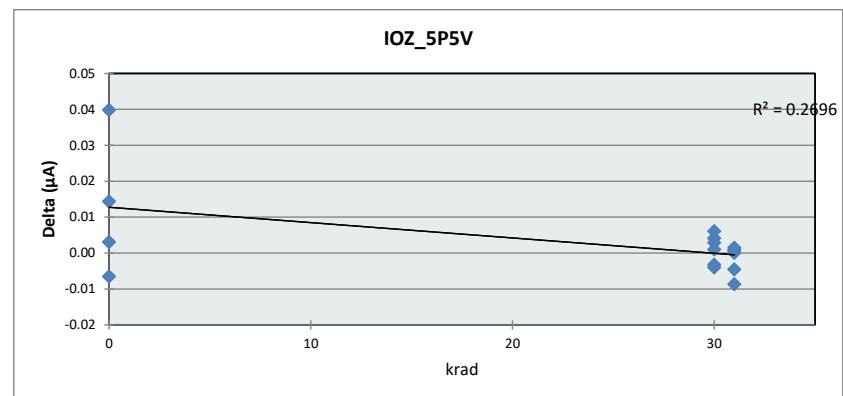
II_5P5V							
Units	μA						
Max Limit	1						
Min Limit	-1						
krad	0	30	31	LL	-1.000	-1.000	-1.000
Min	0.017	0.005	0.003	Average	0.023	0.017	0.012
Max	0.031	0.026	0.030	UL	1.000	1.000	1.000



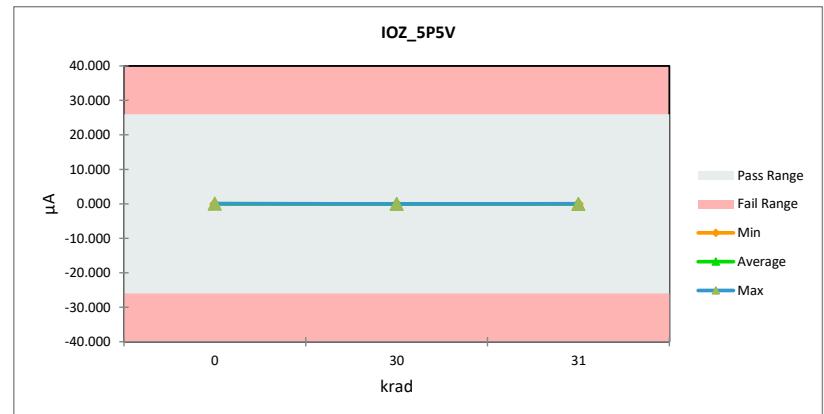
TID Report

SN54SC8T244-SEP

IOZ_5P5V						
Units	μA					
Max Limit	26					
Min Limit	-26					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.005	0.045	0.04	844.02%	0.08%
0	2	0.007	0.021	0.01	205.68%	0.03%
0	3	0.018	0.011	-0.01	-36.60%	0.01%
0	4	0.007	0.010	0.00	46.50%	0.01%
30	5	0.009	0.006	0.00	-34.54%	0.01%
30	6	0.006	0.010	0.00	71.53%	0.01%
30	7	0.010	0.006	0.00	-40.66%	0.01%
30	8	0.006	0.007	0.00	15.61%	0.00%
30	9	0.008	0.011	0.00	37.63%	0.01%
30	10	0.004	0.010	0.01	160.42%	0.01%
31	5a	0.009	0.005	0.00	-48.36%	0.01%
31	6a	0.006	0.006	0.00	11.97%	0.00%
31	7a	0.010	0.001	-0.01	-88.26%	0.02%
31	8a	0.006	0.007	0.00	14.72%	0.00%
31	9a	0.008	0.008	0.00	1.15%	0.00%
31	10a	0.004	0.005	0.00	39.40%	0.00%
Max		0.018	0.045	0.03	844.02%	0.08%
Average		0.008	0.011	0.00	75.01%	0.01%
Min		0.004	0.001	0.00	-88.26%	0.00%
Std Dev		0.003	0.010	0.01	218.41%	0.02%



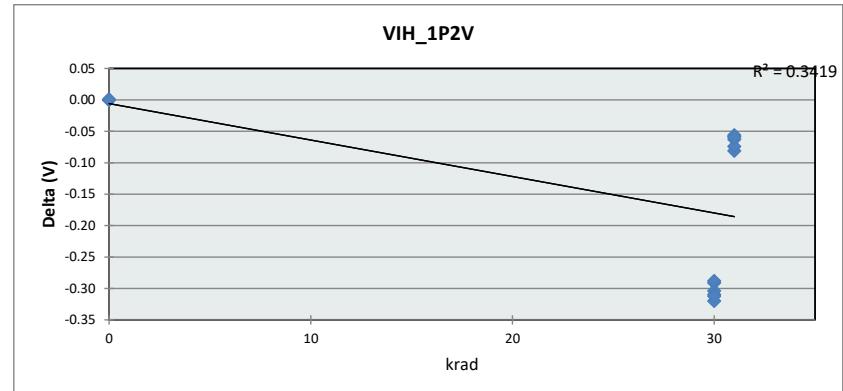
IOZ_5P5V						
Units	μA					
Max Limit	26					
Min Limit	-26					
krad	0	30	31	LL	Min	UL
Max	0.045	0.011	0.008	-26.000	-26.000	-26.000
Average	0.022	0.008	0.005	0.010	0.006	0.001
Min	0.004	0.001	0.000	0.010	0.006	0.001
UL	26.000	26.000	26.000	0.010	0.006	0.001



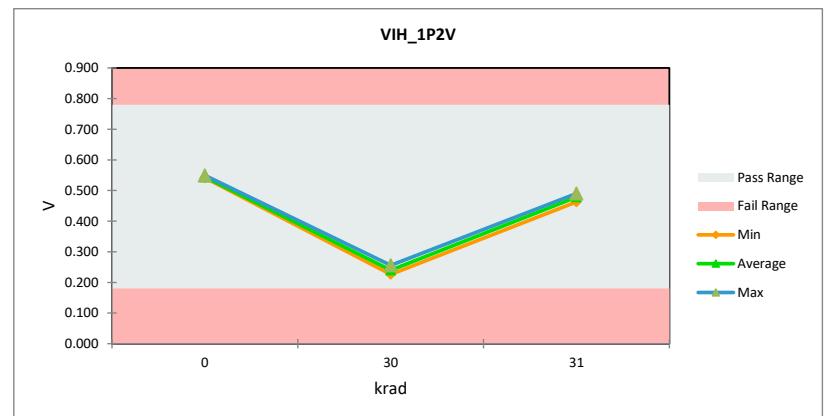
TID Report

SN54SC8T244-SEP

VIH_1P2V						
Units		V				
Max Limit		0.78				
Min Limit		0.18				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.549	0.549	0.00	0.11%	0.10%
0	2	0.544	0.544	0.00	0.00%	0.00%
0	3	0.541	0.541	0.00	0.00%	0.00%
0	4	0.541	0.541	0.00	0.00%	0.00%
30	5	0.542	0.238	-0.30	-56.05%	50.64%
30	6	0.543	0.233	-0.31	-57.10%	51.65%
30	7	0.544	0.253	-0.29	-53.52%	48.51%
30	8	0.544	0.256	-0.29	-52.96%	48.01%
30	9	0.546	0.226	-0.32	-58.61%	53.37%
30	10	0.546	0.233	-0.31	-57.23%	52.05%
31	5a	0.542	0.479	-0.06	-11.63%	10.51%
31	6a	0.543	0.484	-0.06	-10.73%	9.70%
31	7a	0.544	0.463	-0.08	-14.94%	13.54%
31	8a	0.544	0.470	-0.07	-13.60%	12.33%
31	9a	0.546	0.490	-0.06	-10.32%	9.40%
31	10a	0.546	0.486	-0.06	-10.89%	9.90%
Max		0.549	0.549	0.00	0.11%	53.37%
Average		0.544	0.405	-0.14	-25.47%	23.11%
Min		0.541	0.226	-0.32	-58.61%	0.00%
Std Dev		0.002	0.135	0.13	24.88%	22.55%



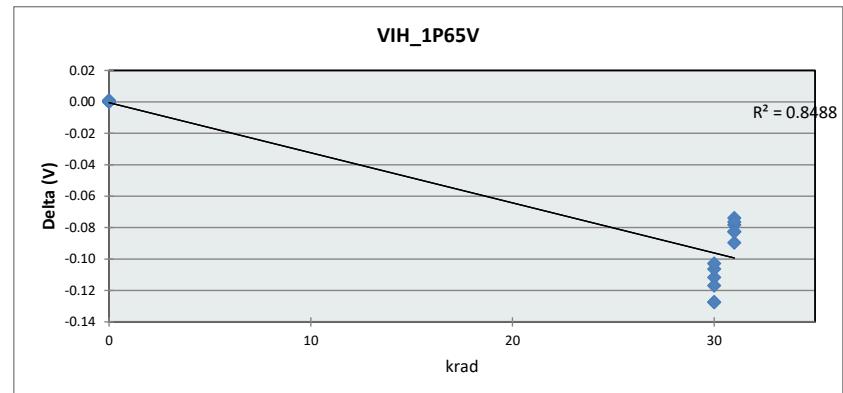
VIH_1P2V						
Units		V				
Max Limit		0.78				
Min Limit		0.18				
krad	0	30	31			
LL	0.180	0.180	0.180			
Min	0.541	0.226	0.463			
Average	0.544	0.240	0.479			
Max	0.549	0.256	0.490			
UL	0.780	0.780	0.780			



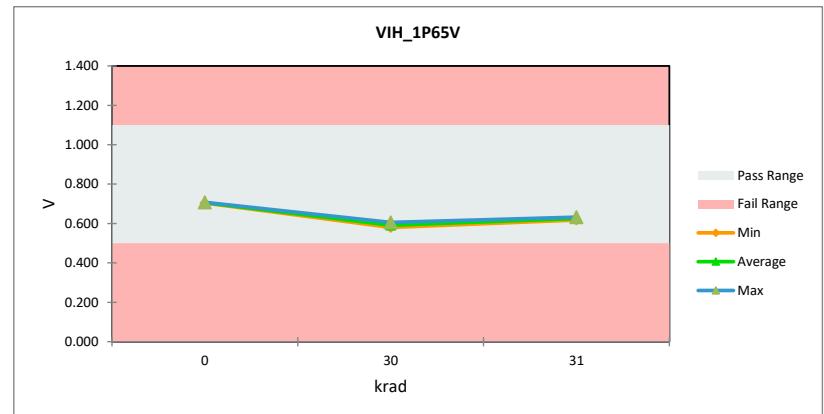
TID Report

SN54SC8T244-SEP

VIH_1P65V						
Units		V				
Max Limit		1.1				
Min Limit		0.5				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.706	0.707	0.00	0.12%	0.15%
0	2	0.707	0.708	0.00	0.12%	0.15%
0	3	0.705	0.705	0.00	0.00%	0.00%
0	4	0.704	0.704	0.00	0.00%	0.00%
30	5	0.707	0.595	-0.11	-15.80%	18.61%
30	6	0.705	0.599	-0.11	-15.09%	17.73%
30	7	0.708	0.580	-0.13	-18.02%	21.25%
30	8	0.704	0.587	-0.12	-16.61%	19.49%
30	9	0.708	0.606	-0.10	-14.52%	17.15%
30	10	0.708	0.581	-0.13	-18.00%	21.25%
31	5a	0.707	0.628	-0.08	-11.07%	13.04%
31	6a	0.705	0.631	-0.07	-10.48%	12.31%
31	7a	0.708	0.618	-0.09	-12.68%	14.95%
31	8a	0.704	0.621	-0.08	-11.74%	13.78%
31	9a	0.708	0.632	-0.08	-10.80%	12.75%
31	10a	0.708	0.626	-0.08	-11.67%	13.78%
Max		0.708	0.708	0.00	0.12%	21.25%
Average		0.706	0.633	-0.07	-10.39%	12.27%
Min		0.704	0.580	-0.12	-18.02%	0.00%
Std Dev		0.002	0.047	0.04	6.68%	7.81%



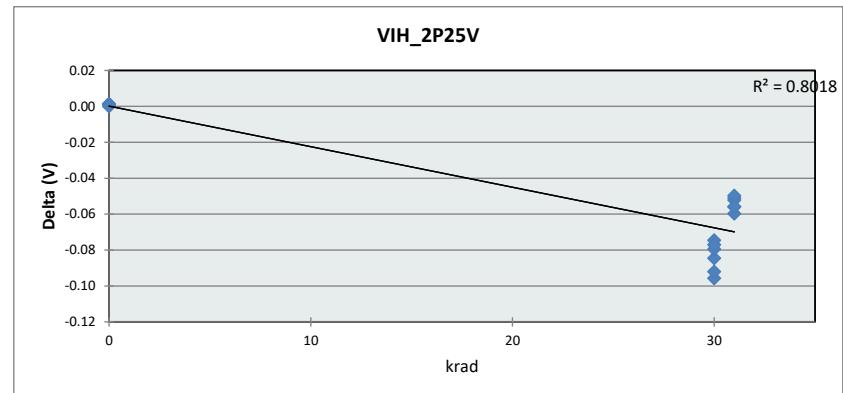
VIH_1P65V						
Units		V				
Max Limit		1.1				
Min Limit		0.5				
krad	0	30	31			
LL	0.500	0.500	0.500			
Min	0.704	0.580	0.618			
Average	0.706	0.591	0.626			
Max	0.708	0.606	0.632			
UL	1.100	1.100	1.100			



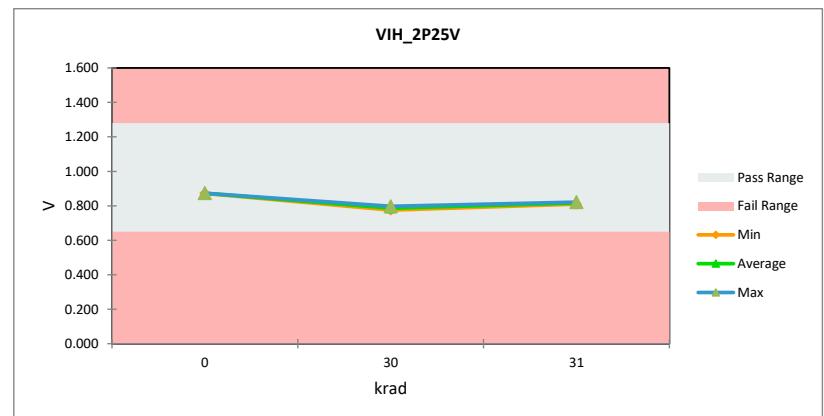
TID Report

SN54SC8T244-SEP

VIH_2P25V						
Units		V				
Max Limit		1.28				
Min Limit		0.65				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.872	0.873	0.00	0.14%	0.20%
0	2	0.872	0.873	0.00	0.14%	0.20%
0	3	0.871	0.872	0.00	0.14%	0.20%
0	4	0.873	0.873	0.00	0.00%	0.00%
30	5	0.872	0.797	-0.07	-8.55%	11.84%
30	6	0.872	0.787	-0.08	-9.69%	13.42%
30	7	0.871	0.775	-0.10	-10.99%	15.19%
30	8	0.866	0.786	-0.08	-9.19%	12.63%
30	9	0.870	0.792	-0.08	-8.86%	12.23%
30	10	0.872	0.780	-0.09	-10.55%	14.60%
31	5a	0.872	0.821	-0.05	-5.85%	8.09%
31	6a	0.872	0.820	-0.05	-5.99%	8.29%
31	7a	0.871	0.811	-0.06	-6.85%	9.47%
31	8a	0.866	0.810	-0.06	-6.46%	8.88%
31	9a	0.870	0.820	-0.05	-5.72%	7.89%
31	10a	0.872	0.816	-0.06	-6.42%	8.88%
Max		0.873	0.873	0.00	0.14%	15.19%
Average		0.871	0.819	-0.05	-5.92%	8.25%
Min		0.866	0.775	-0.09	-10.99%	0.00%
Std Dev		0.002	0.035	0.03	3.95%	5.34%



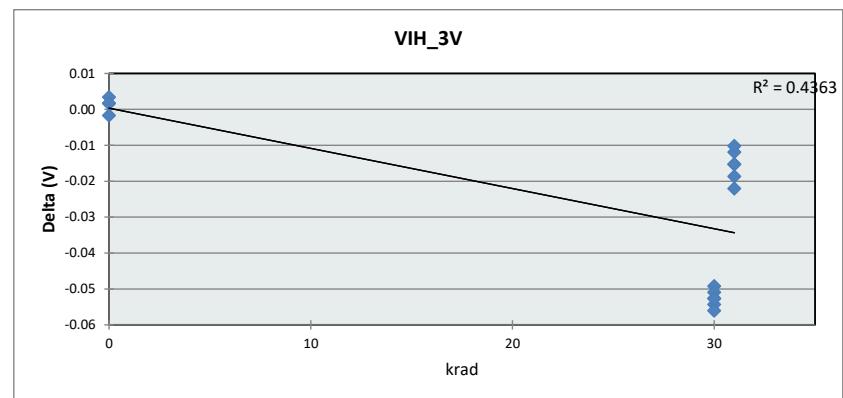
VIH_2P25V						
Units		V				
Max Limit		1.28				
Min Limit		0.65				
krad	0	30	31			
LL	0.650	0.650	0.650			
Min	0.872	0.775	0.810			
Average	0.873	0.786	0.816			
Max	0.873	0.797	0.821			
UL	1.280	1.280	1.280			



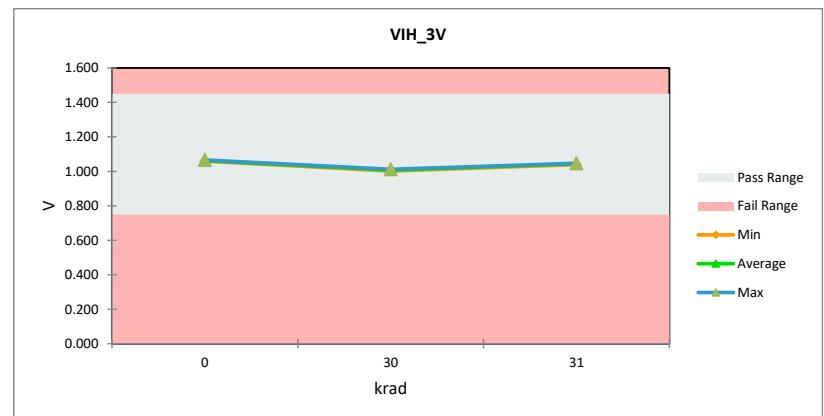
TID Report

SN54SC8T244-SEP

VIH_3V						
Units		V				
Max Limit		1.45				
Min Limit		0.75				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.063	1.066	0.00	0.32%	0.49%
0	2	1.064	1.063	0.00	-0.16%	0.24%
0	3	1.059	1.061	0.00	0.16%	0.24%
0	4	1.058	1.059	0.00	0.16%	0.24%
30	5	1.063	1.008	-0.05	-5.11%	7.76%
30	6	1.058	1.005	-0.05	-4.98%	7.52%
30	7	1.056	1.007	-0.05	-4.66%	7.03%
30	8	1.058	1.002	-0.06	-5.30%	8.00%
30	9	1.063	1.012	-0.05	-4.79%	7.28%
30	10	1.061	1.008	-0.05	-4.96%	7.52%
31	5a	1.063	1.041	-0.02	-2.08%	3.15%
31	6a	1.058	1.046	-0.01	-1.12%	1.70%
31	7a	1.056	1.046	-0.01	-0.96%	1.46%
31	8a	1.058	1.039	-0.02	-1.77%	2.67%
31	9a	1.063	1.047	-0.02	-1.44%	2.18%
31	10a	1.061	1.046	-0.02	-1.44%	2.18%
Max		1.064	1.066	0.00	0.32%	8.00%
Average		1.060	1.035	-0.03	-2.38%	3.73%
Min		1.056	1.002	-0.05	-5.30%	0.24%
Std Dev		0.003	0.024	0.02	2.18%	3.16%



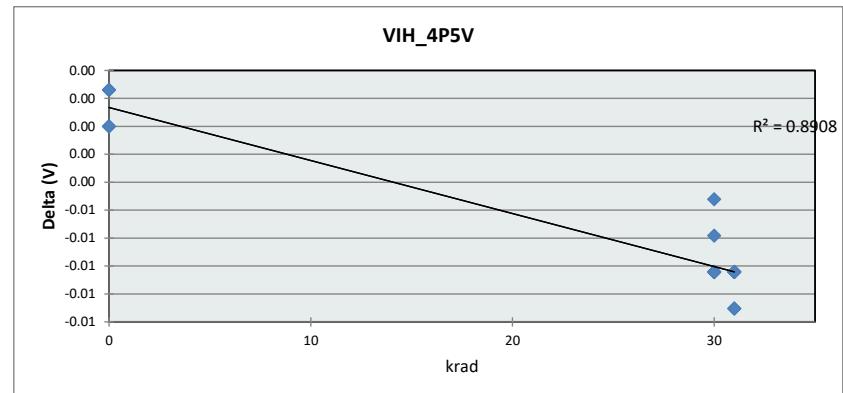
VIH_3V						
Units		V				
Max Limit		1.45				
Min Limit		0.75				
krad	0	30	31			
LL	0.750	0.750	0.750			
Min	1.059	1.002	1.039			
Average	1.062	1.007	1.044			
Max	1.066	1.012	1.047			
UL	1.450	1.450	1.450			



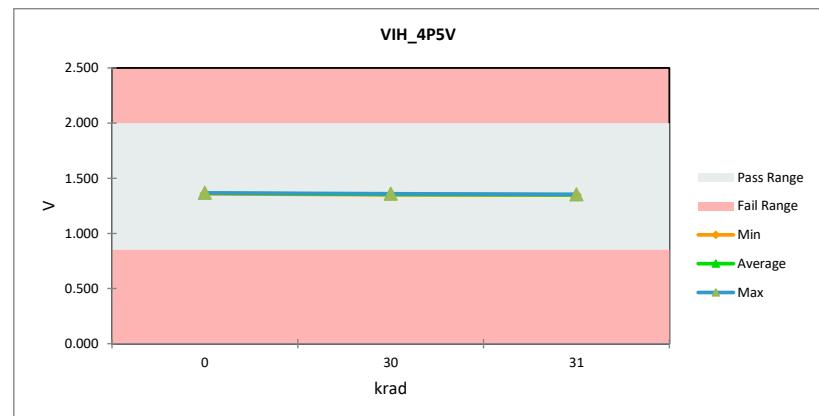
TID Report

SN54SC8T244-SEP

VIH_4P5V						
Units	V					
Max Limit	2					
Min Limit	0.85					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.367	1.367	0.00	0.00%	0.00%
0	2	1.365	1.367	0.00	0.19%	0.23%
0	3	1.362	1.362	0.00	0.00%	0.00%
0	4	1.357	1.359	0.00	0.19%	0.23%
30	5	1.365	1.359	-0.01	-0.38%	0.45%
30	6	1.359	1.349	-0.01	-0.77%	0.91%
30	7	1.362	1.352	-0.01	-0.77%	0.91%
30	8	1.359	1.349	-0.01	-0.77%	0.91%
30	9	1.362	1.354	-0.01	-0.57%	0.68%
30	10	1.362	1.352	-0.01	-0.77%	0.91%
31	5a	1.365	1.354	-0.01	-0.76%	0.91%
31	6a	1.359	1.346	-0.01	-0.96%	1.13%
31	7a	1.362	1.352	-0.01	-0.77%	0.91%
31	8a	1.359	1.346	-0.01	-0.96%	1.13%
31	9a	1.362	1.352	-0.01	-0.77%	0.91%
31	10a	1.362	1.352	-0.01	-0.77%	0.91%
Max		1.367	1.367	0.00	0.19%	1.13%
Average		1.362	1.355	-0.01	-0.54%	0.69%
Min		1.357	1.346	-0.01	-0.96%	0.00%
Std Dev		0.003	0.007	0.00	0.40%	0.38%



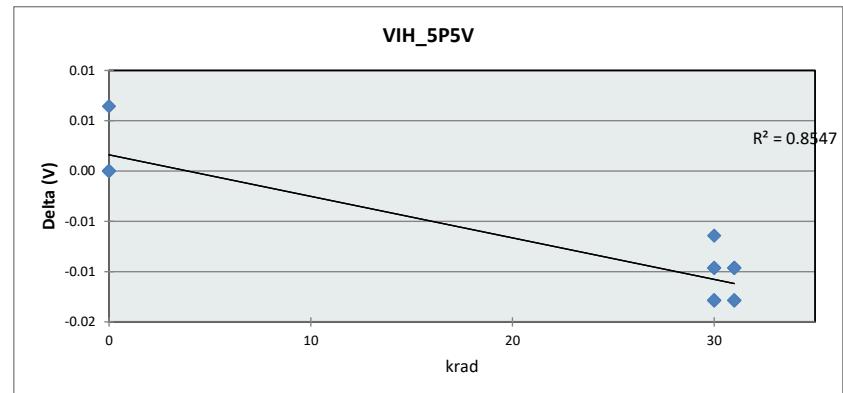
VIH_4P5V						
Units	V					
Max Limit	2					
Min Limit	0.85					
krad	0	30	31			
LL	0.850	0.850	0.850			
Min	1.359	1.349	1.346			
Average	1.364	1.353	1.350			
Max	1.367	1.359	1.354			
UL	2.000	2.000	2.000			



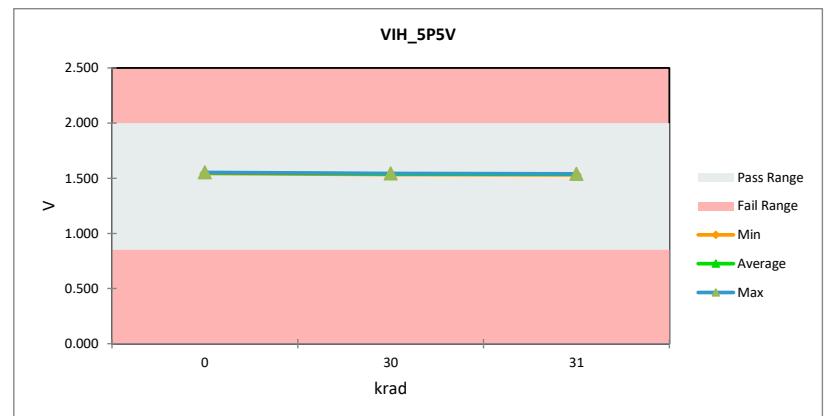
TID Report

SN54SC8T244-SEP

VIH_5P5V						
Units		V				
Max Limit		2				
Min Limit		0.85				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.553	1.553	0.00	0.00%	0.00%
0	2	1.553	1.553	0.00	0.00%	0.00%
0	3	1.543	1.550	0.01	0.42%	0.56%
0	4	1.543	1.543	0.00	0.00%	0.00%
30	5	1.550	1.543	-0.01	-0.41%	0.56%
30	6	1.546	1.533	-0.01	-0.83%	1.12%
30	7	1.550	1.540	-0.01	-0.62%	0.84%
30	8	1.543	1.533	-0.01	-0.62%	0.84%
30	9	1.550	1.537	-0.01	-0.83%	1.12%
30	10	1.550	1.537	-0.01	-0.83%	1.12%
31	5a	1.550	1.540	-0.01	-0.62%	0.84%
31	6a	1.546	1.533	-0.01	-0.83%	1.12%
31	7a	1.550	1.540	-0.01	-0.62%	0.84%
31	8a	1.543	1.530	-0.01	-0.83%	1.12%
31	9a	1.550	1.540	-0.01	-0.62%	0.84%
31	10a	1.550	1.537	-0.01	-0.83%	1.12%
Max		1.553	1.553	0.00	0.42%	1.12%
Average		1.548	1.540	-0.01	-0.51%	0.75%
Min		1.543	1.530	-0.01	-0.83%	0.00%
Std Dev		0.003	0.007	0.00	0.39%	0.42%



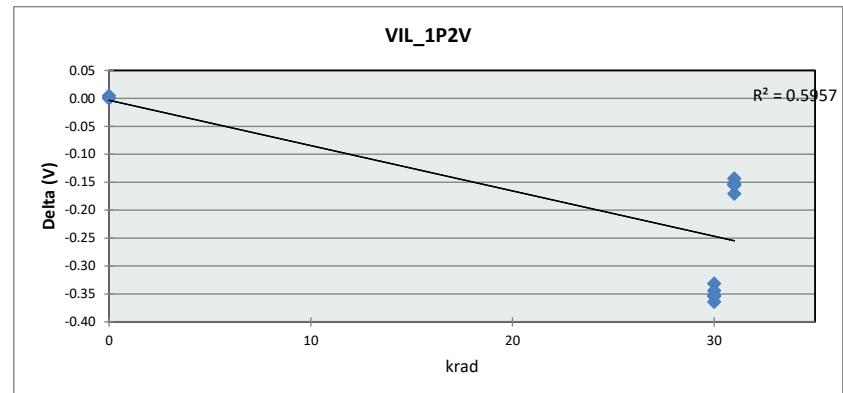
VIH_5P5V						
Units		V				
Max Limit		2				
Min Limit		0.85				
krad		0	30	31		
LL		0.850	0.850	0.850		
Min		1.543	1.533	1.530		
Average		1.550	1.537	1.537		
Max		1.553	1.543	1.540		
UL		2.000	2.000	2.000		



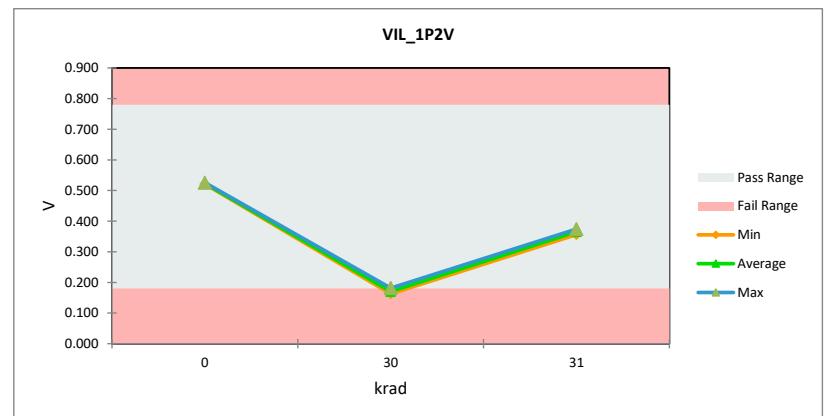
TID Report

SN54SC8T244-SEP

VIL_1P2V						
Units	V					
Max Limit	0.78					
Min Limit	0.18					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.520	0.521	0.00	0.13%	0.11%
0	2	0.518	0.522	0.00	0.90%	0.78%
0	3	0.522	0.523	0.00	0.26%	0.22%
0	4	0.526	0.526	0.00	0.00%	0.00%
30	5	0.510	0.178	-0.33	-65.06%	55.26%
30	6	0.522	0.169	-0.35	-67.66%	58.82%
30	7	0.519	0.167	-0.35	-67.88%	58.71%
30	8	0.527	0.163	-0.36	-69.12%	60.71%
30	9	0.526	0.181	-0.34	-65.49%	57.37%
30	10	0.518	0.164	-0.35	-68.35%	59.04%
31	5a	0.510	0.366	-0.14	-28.15%	23.90%
31	6a	0.522	0.368	-0.15	-29.42%	25.57%
31	7a	0.519	0.364	-0.16	-29.95%	25.91%
31	8a	0.527	0.356	-0.17	-32.41%	28.46%
31	9a	0.526	0.374	-0.15	-28.81%	25.24%
31	10a	0.518	0.363	-0.16	-29.99%	25.91%
Max		0.527	0.526	0.00	0.90%	60.71%
Average		0.520	0.332	-0.19	-36.31%	31.63%
Min		0.510	0.163	-0.35	-69.12%	0.00%
Std Dev		0.005	0.144	0.14	27.56%	23.71%



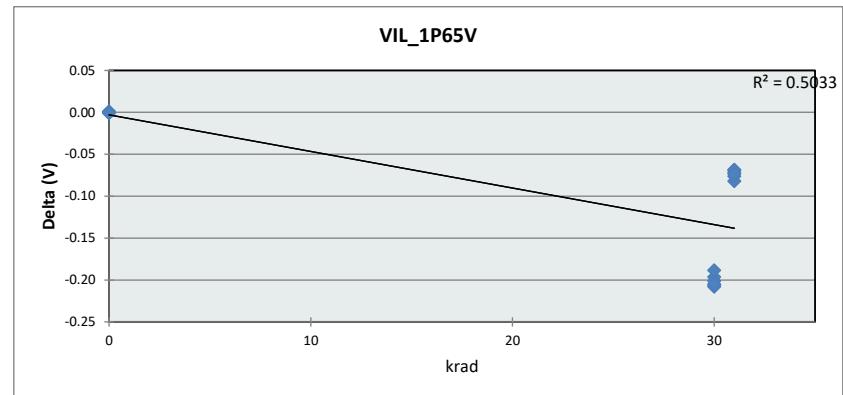
VIL_1P2V						
Units	V					
Max Limit	0.78					
Min Limit	0.18					
krad	0	30	31			
LL	0.180	0.180	0.180			
Min	0.521	0.163	0.356			
Average	0.523	0.170	0.365			
Max	0.526	0.181	0.374			
UL	0.780	0.780	0.780			



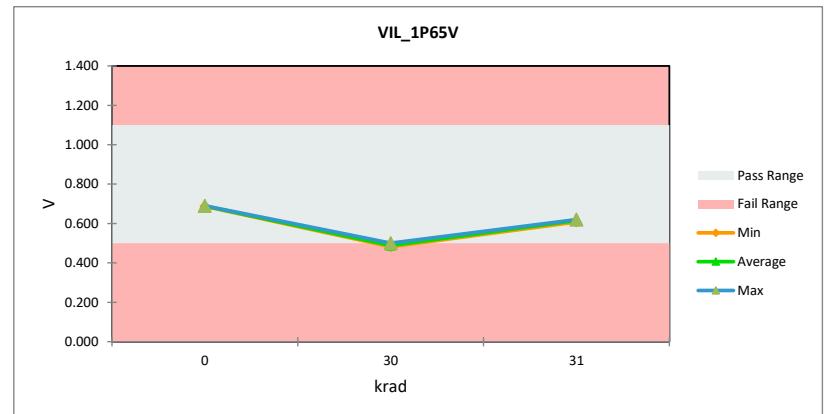
TID Report

SN54SC8T244-SEP

VIL_1P65V						
Units		V				
Max Limit		1.1				
Min Limit		0.5				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.688	0.688	0.00	0.00%	0.00%
0	2	0.689	0.690	0.00	0.14%	0.16%
0	3	0.688	0.689	0.00	0.14%	0.16%
0	4	0.688	0.687	0.00	-0.14%	0.16%
30	5	0.688	0.492	-0.20	-28.54%	32.73%
30	6	0.689	0.488	-0.20	-29.20%	33.53%
30	7	0.690	0.482	-0.21	-30.14%	34.66%
30	8	0.688	0.482	-0.21	-29.94%	34.34%
30	9	0.689	0.500	-0.19	-27.37%	31.44%
30	10	0.691	0.486	-0.21	-29.68%	34.18%
31	5a	0.688	0.617	-0.07	-10.40%	11.93%
31	6a	0.689	0.620	-0.07	-9.97%	11.45%
31	7a	0.690	0.608	-0.08	-11.92%	13.70%
31	8a	0.688	0.612	-0.08	-11.11%	12.74%
31	9a	0.689	0.620	-0.07	-9.97%	11.45%
31	10a	0.691	0.618	-0.07	-10.64%	12.25%
Max		0.691	0.690	0.00	0.14%	34.66%
Average		0.689	0.586	-0.10	-14.92%	17.18%
Min		0.688	0.482	-0.21	-30.14%	0.00%
Std Dev		0.001	0.084	0.08	12.18%	13.94%



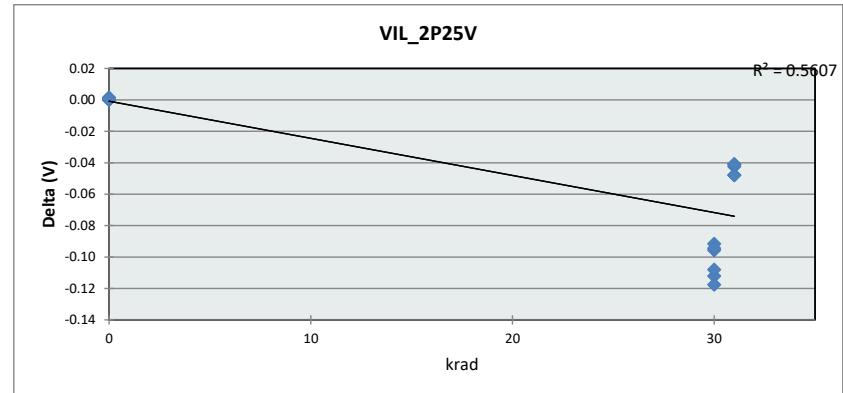
VIL_1P65V						
Units		V				
Max Limit		1.1				
Min Limit		0.5				
krad	0	30	31			
LL	0.500	0.500	0.500			
Min	0.687	0.482	0.608			
Average	0.689	0.488	0.616			
Max	0.690	0.500	0.620			
UL	1.100	1.100	1.100			



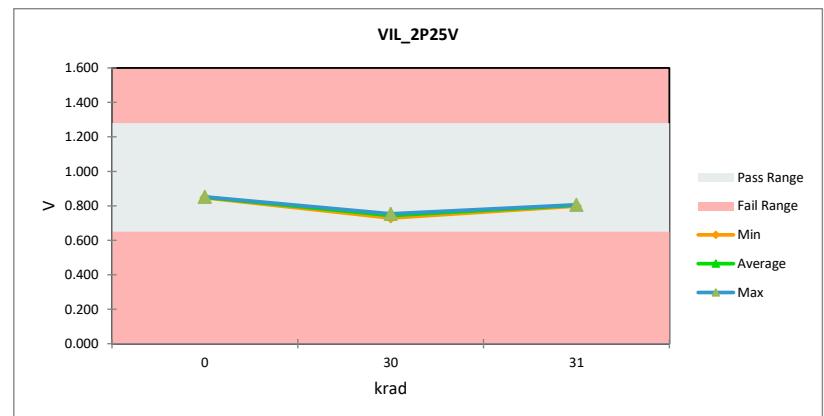
TID Report

SN54SC8T244-SEP

VIL_2P25V						
Units	V					
Max Limit	1.28					
Min Limit	0.65					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.852	0.852	0.00	0.00%	0.00%
0	2	0.849	0.851	0.00	0.16%	0.22%
0	3	0.848	0.849	0.00	0.16%	0.22%
0	4	0.847	0.847	0.00	0.00%	0.00%
30	5	0.845	0.750	-0.10	-11.32%	15.20%
30	6	0.848	0.736	-0.11	-13.22%	17.80%
30	7	0.848	0.740	-0.11	-12.74%	17.15%
30	8	0.847	0.729	-0.12	-13.89%	18.67%
30	9	0.845	0.754	-0.09	-10.84%	14.54%
30	10	0.847	0.752	-0.09	-11.14%	14.98%
31	5a	0.845	0.804	-0.04	-4.85%	6.51%
31	6a	0.848	0.806	-0.04	-5.00%	6.73%
31	7a	0.848	0.800	-0.05	-5.64%	7.60%
31	8a	0.847	0.799	-0.05	-5.65%	7.60%
31	9a	0.845	0.804	-0.04	-4.85%	6.51%
31	10a	0.847	0.806	-0.04	-4.85%	6.51%
Max		0.852	0.852	0.00	0.16%	18.67%
Average		0.847	0.792	-0.05	-6.48%	8.76%
Min		0.845	0.729	-0.12	-13.89%	0.00%
Std Dev		0.002	0.044	0.04	5.08%	6.76%



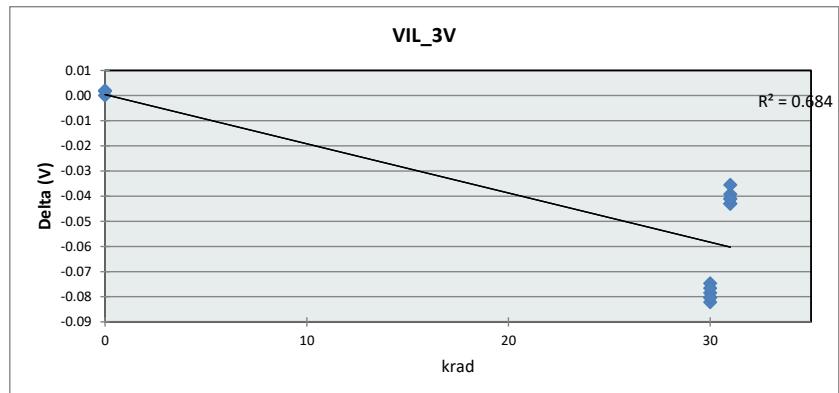
VIL_2P25V						
Units	V					
Max Limit	1.28					
Min Limit	0.65					
krad	0	30	31	LL	Min	Max
LL	0.650	0.650	0.650	0.847	0.729	0.799
Min	0.847	0.729	0.799	0.847	0.729	0.799
Average	0.850	0.743	0.803	0.850	0.743	0.803
Max	0.852	0.754	0.806	0.852	0.754	0.806
UL	1.280	1.280	1.280	1.280	1.280	1.280



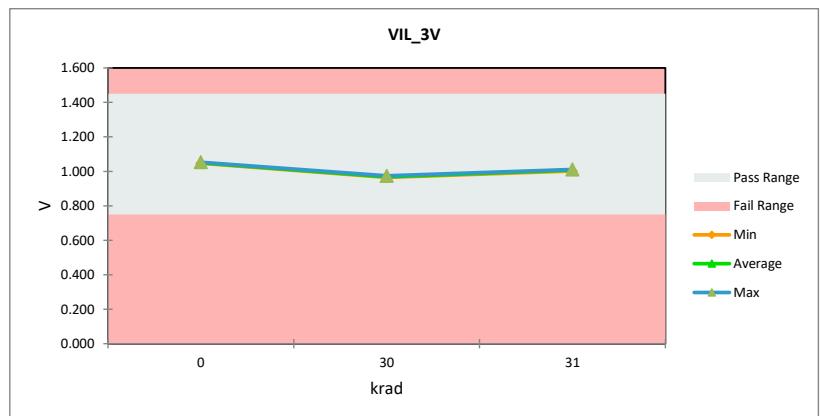
TID Report

SN54SC8T244-SEP

VIL_3V						
Units	V					
Max Limit	1.45					
Min Limit	0.75					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.051	1.053	0.00	0.18%	0.27%
0	2	1.049	1.049	0.00	0.00%	0.00%
0	3	1.045	1.047	0.00	0.18%	0.27%
0	4	1.047	1.049	0.00	0.18%	0.27%
30	5	1.049	0.974	-0.07	-7.12%	10.67%
30	6	1.045	0.967	-0.08	-7.51%	11.21%
30	7	1.049	0.967	-0.08	-7.84%	11.74%
30	8	1.045	0.965	-0.08	-7.68%	11.47%
30	9	1.047	0.970	-0.08	-7.31%	10.94%
30	10	1.047	0.967	-0.08	-7.67%	11.47%
31	5a	1.049	1.008	-0.04	-3.92%	5.87%
31	6a	1.045	1.006	-0.04	-3.75%	5.60%
31	7a	1.049	1.006	-0.04	-4.10%	6.14%
31	8a	1.045	1.002	-0.04	-4.11%	6.14%
31	9a	1.047	1.006	-0.04	-3.92%	5.87%
31	10a	1.047	1.012	-0.04	-3.39%	5.07%
Max		1.051	1.053	0.00	0.18%	11.74%
Average		1.047	1.003	-0.04	-4.24%	6.44%
Min		1.045	0.965	-0.08	-7.84%	0.00%
Std Dev		0.002	0.033	0.03	3.08%	4.46%



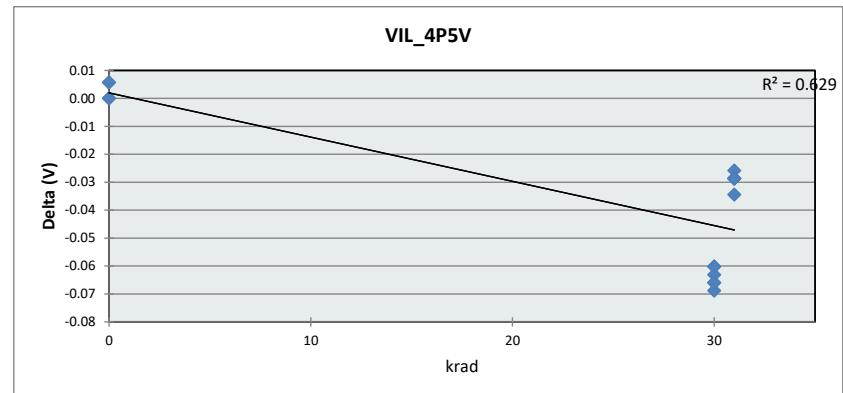
VIL_3V						
Units	V					
Max Limit	1.45					
Min Limit	0.75					
krad	0	30	31			
LL	0.750	0.750	0.750			
Min	1.047	0.965	1.002			
Average	1.049	0.968	1.007			
Max	1.053	0.974	1.012			
UL	1.450	1.450	1.450			



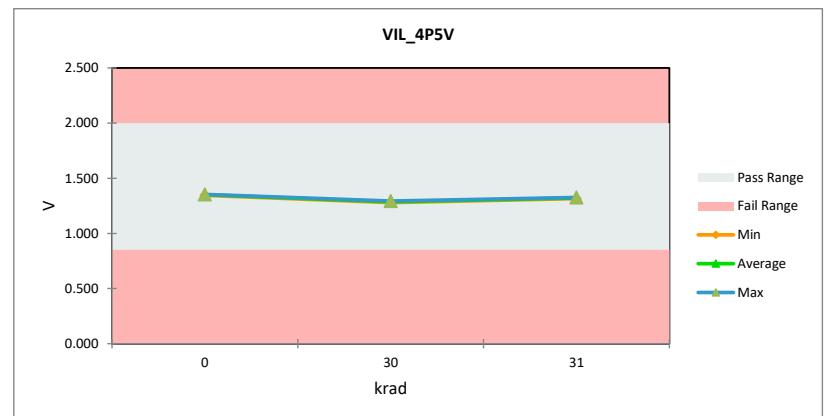
TID Report

SN54SC8T244-SEP

VIL_4P5V						
Units		V				
Max Limit		2				
Min Limit		0.85				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.354	1.354	0.00	0.00%	0.00%
0	2	1.354	1.354	0.00	0.00%	0.00%
0	3	1.345	1.351	0.01	0.43%	0.50%
0	4	1.339	1.345	0.01	0.43%	0.50%
30	5	1.354	1.293	-0.06	-4.45%	5.24%
30	6	1.348	1.285	-0.06	-4.68%	5.49%
30	7	1.351	1.282	-0.07	-5.10%	5.99%
30	8	1.345	1.279	-0.07	-4.91%	5.74%
30	9	1.351	1.290	-0.06	-4.46%	5.24%
30	10	1.351	1.285	-0.07	-4.88%	5.74%
31	5a	1.354	1.325	-0.03	-2.12%	2.49%
31	6a	1.348	1.322	-0.03	-1.92%	2.24%
31	7a	1.351	1.316	-0.03	-2.55%	2.99%
31	8a	1.345	1.316	-0.03	-2.13%	2.49%
31	9a	1.351	1.322	-0.03	-2.12%	2.49%
31	10a	1.351	1.322	-0.03	-2.12%	2.49%
Max		1.354	1.354	0.00	0.43%	5.99%
Average		1.349	1.315	-0.03	-2.54%	3.10%
Min		1.339	1.279	-0.06	-5.10%	0.00%
Std Dev		0.004	0.027	0.02	2.02%	2.19%



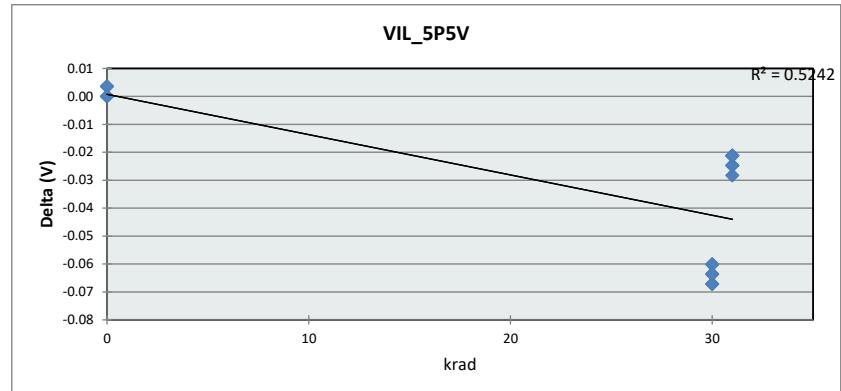
VIL_4P5V						
Units		V				
Max Limit		2				
Min Limit		0.85				
krad		0	30	31		
LL		0.850	0.850	0.850		
Min		1.345	1.279	1.316		
Average		1.351	1.286	1.321		
Max		1.354	1.293	1.325		
UL		2.000	2.000	2.000		



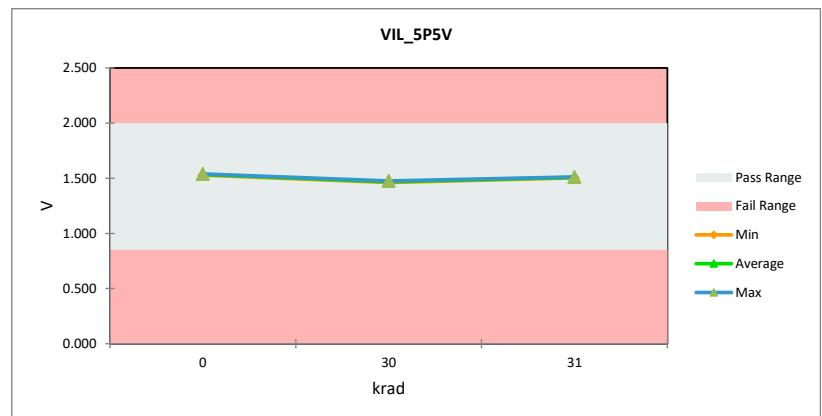
TID Report

SN54SC8T244-SEP

VIL_5P5V						
Units		V				
Max Limit		2				
Min Limit		0.85				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.535	1.539	0.00	0.23%	0.31%
0	2	1.535	1.535	0.00	0.00%	0.00%
0	3	1.528	1.532	0.00	0.23%	0.31%
0	4	1.528	1.528	0.00	0.00%	0.00%
30	5	1.535	1.475	-0.06	-3.91%	5.23%
30	6	1.528	1.465	-0.06	-4.16%	5.53%
30	7	1.532	1.465	-0.07	-4.39%	5.84%
30	8	1.528	1.461	-0.07	-4.40%	5.84%
30	9	1.532	1.472	-0.06	-3.92%	5.23%
30	10	1.532	1.468	-0.06	-4.15%	5.53%
31	5a	1.535	1.511	-0.02	-1.61%	2.15%
31	6a	1.528	1.507	-0.02	-1.39%	1.84%
31	7a	1.532	1.504	-0.03	-1.85%	2.46%
31	8a	1.528	1.504	-0.02	-1.62%	2.15%
31	9a	1.532	1.511	-0.02	-1.38%	1.84%
31	10a	1.532	1.511	-0.02	-1.38%	1.84%
Max		1.535	1.539	0.00	0.23%	5.84%
Average		1.532	1.499	-0.03	-2.11%	2.88%
Min		1.528	1.461	-0.07	-4.40%	0.00%
Std Dev		0.003	0.028	0.02	1.78%	2.26%



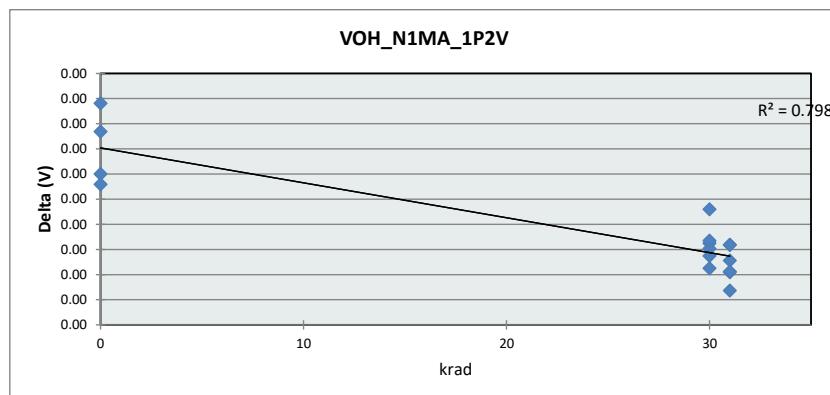
VIL_5P5V						
Units		V				
Max Limit		2				
Min Limit		0.85				
krad	0	30	31			
LL	0.850	0.850	0.850			
Min	1.528	1.461	1.504			
Average	1.534	1.468	1.508			
Max	1.539	1.475	1.511			
UL	2.000	2.000	2.000			



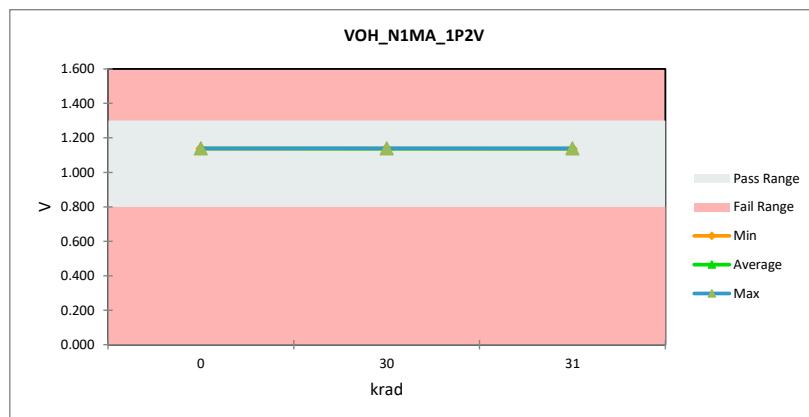
TID Report

SN54SC8T244-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	1.138	1.139	0.00	0.05%	0.11%
0	2	1.138	1.138	0.00	0.03%	0.07%
0	3	1.138	1.138	0.00	0.00%	0.00%
0	4	1.139	1.139	0.00	-0.01%	0.02%
30	5	1.138	1.138	0.00	-0.05%	0.11%
30	6	1.139	1.138	0.00	-0.05%	0.12%
30	7	1.139	1.139	0.00	-0.07%	0.15%
30	8	1.139	1.139	0.00	-0.02%	0.06%
30	9	1.139	1.138	0.00	-0.05%	0.11%
30	10	1.139	1.138	0.00	-0.06%	0.13%
31	5a	1.138	1.137	0.00	-0.08%	0.19%
31	6a	1.139	1.138	0.00	-0.05%	0.11%
31	7a	1.139	1.139	0.00	-0.07%	0.16%
31	8a	1.139	1.138	0.00	-0.05%	0.11%
31	9a	1.139	1.138	0.00	-0.06%	0.14%
31	10a	1.139	1.138	0.00	-0.07%	0.16%
		Max	1.139	1.139	0.00	0.05%
		Average	1.139	1.138	0.00	-0.04%
		Min	1.138	1.137	0.00	-0.08%
		Std Dev	0.000	0.000	0.00	0.04%
						0.05%

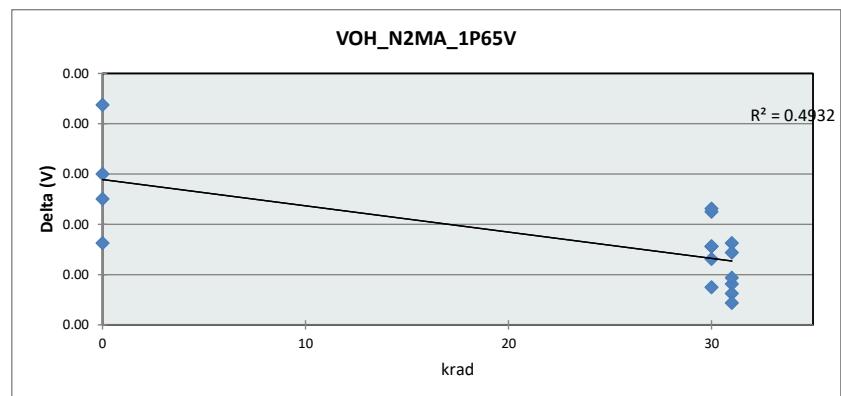


VOH_N1MA_1P2V			
Units	V		
Max Limit	1.3		
Min Limit	0.8		
krad	0	30	31
LL	0.800	0.800	0.800
Min	1.138	1.138	1.137
Average	1.138	1.138	1.138
Max	1.139	1.139	1.139
UL	1.300	1.300	1.300

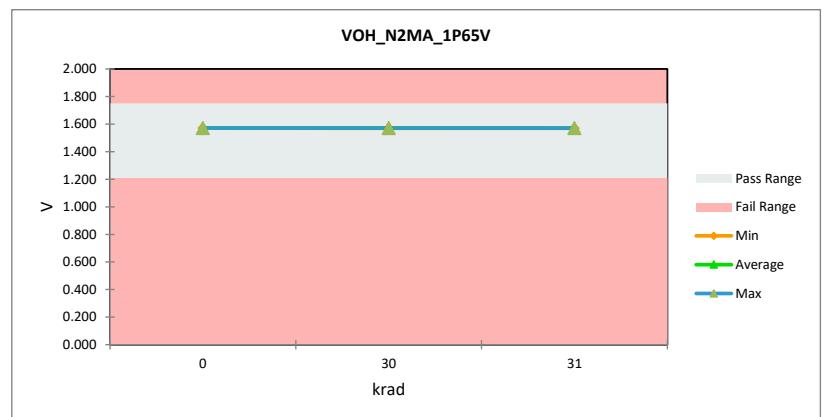


TID Report
SN54SC8T244-SEP

VOH_N2MA_1P65V						
Units	V					
Max Limit	1.75					
Min Limit	1.21					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.570	1.571	0.00	0.08%	0.22%
0	2	1.570	1.571	0.00	0.03%	0.09%
0	3	1.570	1.571	0.00	0.02%	0.05%
0	4	1.571	1.571	0.00	-0.01%	0.03%
30	5	1.570	1.570	0.00	-0.01%	0.04%
30	6	1.571	1.571	0.00	-0.02%	0.06%
30	7	1.571	1.570	0.00	-0.04%	0.12%
30	8	1.571	1.571	0.00	0.01%	0.02%
30	9	1.571	1.571	0.00	-0.01%	0.04%
30	10	1.571	1.571	0.00	0.01%	0.03%
31	5a	1.570	1.570	0.00	-0.04%	0.11%
31	6a	1.571	1.570	0.00	-0.04%	0.13%
31	7a	1.571	1.570	0.00	-0.05%	0.14%
31	8a	1.571	1.570	0.00	-0.01%	0.03%
31	9a	1.571	1.570	0.00	-0.03%	0.10%
31	10a	1.571	1.571	0.00	-0.02%	0.05%
		Max	1.571	1.571	0.00	0.08%
		Average	1.571	1.571	0.00	-0.01%
		Min	1.570	1.570	0.00	-0.05%
		Std Dev	0.000	0.000	0.00	0.03%
						0.05%



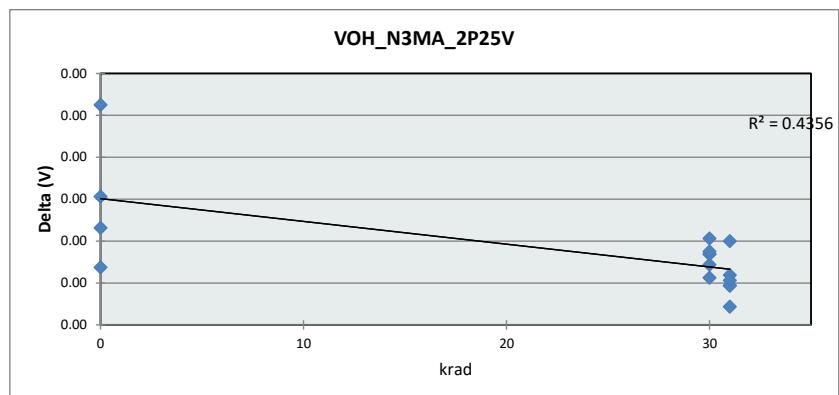
VOH N2MA 1P65V			
Units	V		
Max Limit	1.75		
Min Limit	1.21		
krad	0	30	31
LL	1.210	1.210	1.210
Min	1.571	1.570	1.570
Average	1.571	1.571	1.570
Max	1.571	1.571	1.571
UL	1.750	1.750	1.750



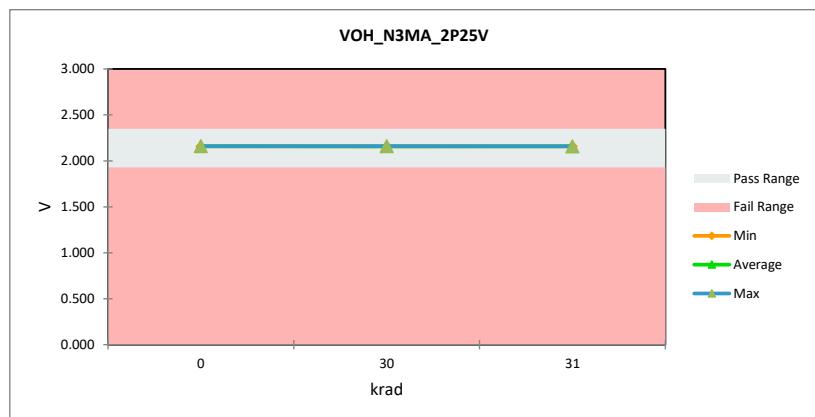
TID Report

SN54SC8T244-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	2.158	2.159	0.00	0.08%	0.39%
0	2	2.159	2.159	0.00	0.02%	0.13%
0	3	2.158	2.159	0.00	0.01%	0.04%
0	4	2.159	2.159	0.00	-0.01%	0.07%
30	5	2.158	2.158	0.00	-0.01%	0.04%
30	6	2.159	2.159	0.00	-0.01%	0.04%
30	7	2.159	2.158	0.00	-0.02%	0.10%
30	8	2.158	2.158	0.00	0.00%	0.01%
30	9	2.159	2.159	0.00	-0.01%	0.03%
30	10	2.159	2.159	0.00	-0.01%	0.07%
31	5a	2.158	2.158	0.00	-0.02%	0.13%
31	6a	2.159	2.158	0.00	-0.02%	0.13%
31	7a	2.159	2.158	0.00	-0.04%	0.19%
31	8a	2.158	2.158	0.00	0.00%	0.00%
31	9a	2.159	2.158	0.00	-0.02%	0.10%
31	10a	2.159	2.159	0.00	-0.02%	0.11%
		Max	2.159	2.159	0.00	0.08%
		Average	2.159	2.159	0.00	-0.01%
		Min	2.158	2.158	0.00	-0.04%
		Std Dev	0.000	0.000	0.00	0.03%
						0.09%



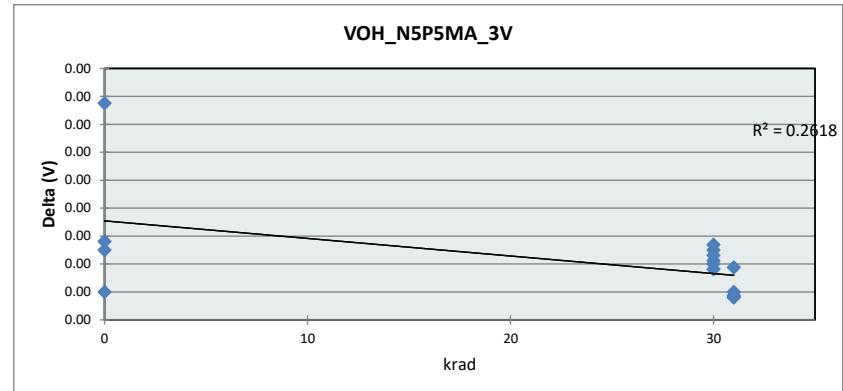
VOH_N3MA_2P25V			
Units	V		
Max Limit	2.35		
Min Limit	1.93		
krad	0	30	31
LL	1.930	1.930	1.930
Min	2.159	2.158	2.158
Average	2.159	2.159	2.158
Max	2.159	2.159	2.159
UL	2.350	2.350	2.350



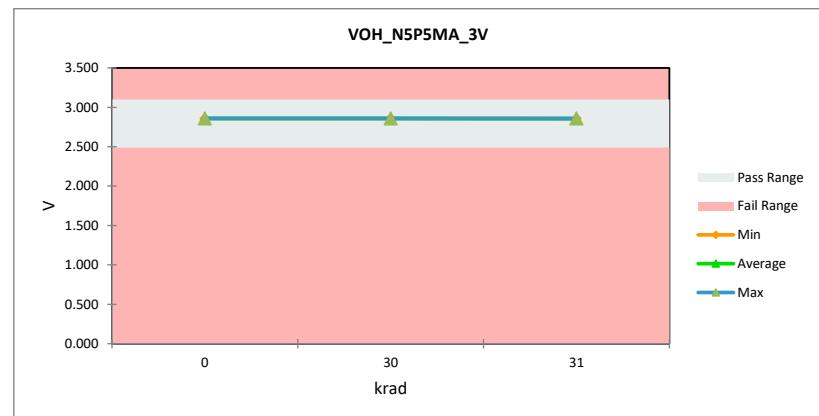
TID Report

SN54SC8T244-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	2.860	0.00	0.10%	0.47%
0	2	2.858	2.859	0.00	0.01%	0.07%
0	3	2.858	2.858	0.00	0.01%	0.04%
0	4	2.859	2.858	0.00	-0.02%	0.08%
30	5	2.858	2.858	0.00	0.01%	0.04%
30	6	2.858	2.858	0.00	0.00%	0.01%
30	7	2.858	2.858	0.00	0.00%	0.02%
30	8	2.857	2.858	0.00	0.01%	0.06%
30	9	2.858	2.858	0.00	0.00%	0.00%
30	10	2.858	2.858	0.00	0.01%	0.03%
31	5a	2.858	2.857	0.00	-0.02%	0.10%
31	6a	2.858	2.858	0.00	-0.02%	0.10%
31	7a	2.858	2.857	0.00	-0.02%	0.10%
31	8a	2.857	2.857	0.00	0.00%	0.01%
31	9a	2.858	2.858	0.00	-0.02%	0.09%
31	10a	2.858	2.858	0.00	-0.02%	0.08%
Max		2.859	2.860	0.00	0.10%	0.47%
Average		2.858	2.858	0.00	0.00%	0.08%
Min		2.857	2.857	0.00	-0.02%	0.00%
Std Dev		0.001	0.001	0.00	0.03%	0.11%



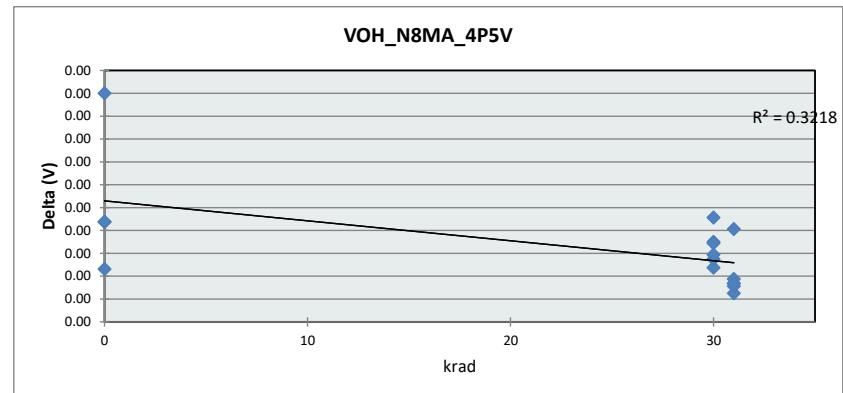
VOH_N5P5MA_3V			
Units		V	
Max Limit		3.1	
Min Limit		2.49	
krad	0	30	31
LL	2.490	2.490	2.490
Min	2.858	2.858	2.857
Average	2.859	2.858	2.857
Max	2.860	2.858	2.858
UL	3.100	3.100	3.100



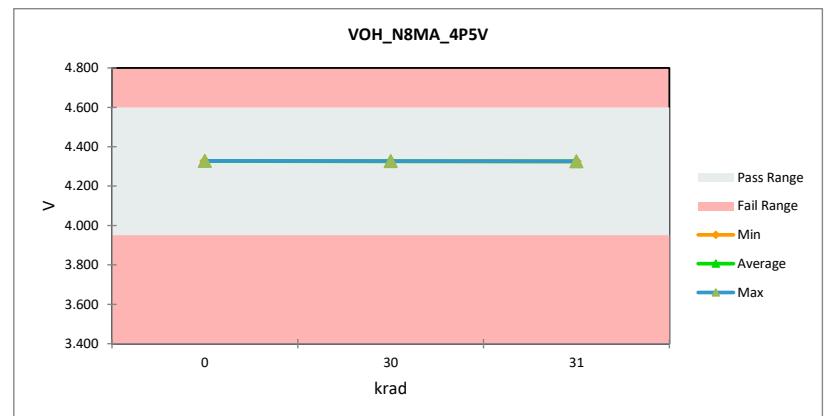
TID Report

SN54SC8T244-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	4.325	4.328	0.00	0.08%	0.54%
0	2	4.327	4.327	0.00	0.02%	0.11%
0	3	4.326	4.327	0.00	0.02%	0.11%
0	4	4.327	4.327	0.00	-0.01%	0.05%
30	5	4.326	4.326	0.00	0.01%	0.04%
30	6	4.327	4.327	0.00	0.01%	0.03%
30	7	4.326	4.326	0.00	-0.01%	0.05%
30	8	4.325	4.326	0.00	0.02%	0.12%
30	9	4.327	4.326	0.00	0.00%	0.02%
30	10	4.327	4.327	0.00	0.00%	0.00%
31	5a	4.326	4.325	0.00	-0.02%	0.10%
31	6a	4.327	4.326	0.00	-0.01%	0.09%
31	7a	4.326	4.325	0.00	-0.02%	0.13%
31	8a	4.325	4.326	0.00	0.01%	0.08%
31	9a	4.327	4.326	0.00	-0.02%	0.11%
31	10a	4.327	4.326	0.00	-0.02%	0.10%
Max		4.327	4.328	0.00	0.08%	0.54%
Average		4.326	4.326	0.00	0.00%	0.11%
Min		4.325	4.325	0.00	-0.02%	0.00%
Std Dev		0.001	0.001	0.00	0.02%	0.12%



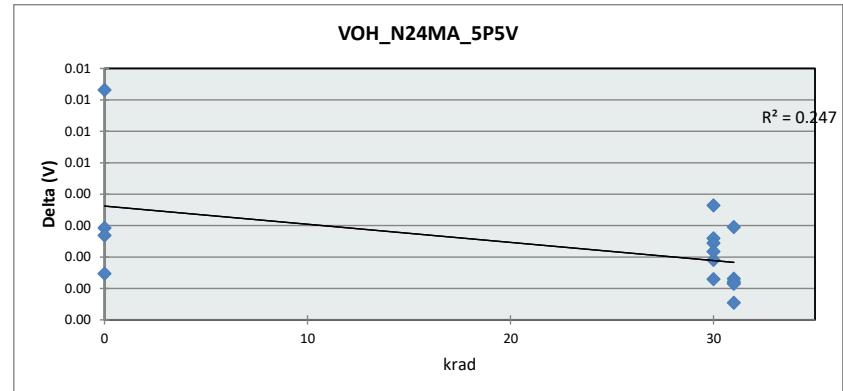
VOH_N8MA_4P5V						
Units		V				
Max Limit		4.6				
Min Limit		3.95				
krad		0	30	31		
LL		3.950	3.950	3.950		
Min		4.327	4.326	4.325		
Average		4.327	4.326	4.326		
Max		4.328	4.327	4.326		
UL		4.600	4.600	4.600		



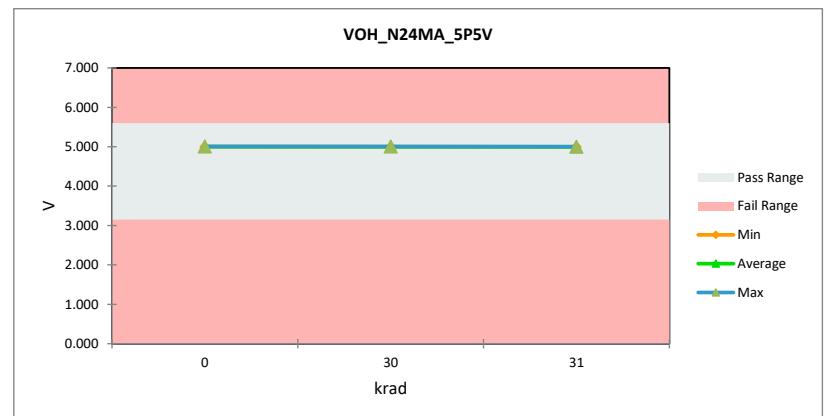
TID Report

SN54SC8T244-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	4.996	5.007	0.01	0.21%	0.43%
0	2	5.002	5.004	0.00	0.04%	0.08%
0	3	5.001	5.002	0.00	0.03%	0.06%
0	4	5.004	5.003	0.00	-0.02%	0.04%
30	5	5.001	5.002	0.00	0.02%	0.05%
30	6	5.003	5.004	0.00	0.02%	0.04%
30	7	5.000	4.999	0.00	-0.03%	0.06%
30	8	4.997	5.000	0.00	0.07%	0.13%
30	9	5.002	5.001	0.00	0.00%	0.01%
30	10	5.003	5.003	0.00	0.01%	0.01%
31	5a	5.001	4.999	0.00	-0.03%	0.07%
31	6a	5.003	5.001	0.00	-0.03%	0.06%
31	7a	5.000	4.998	0.00	-0.06%	0.12%
31	8a	4.997	4.999	0.00	0.04%	0.08%
31	9a	5.002	5.000	0.00	-0.03%	0.06%
31	10a	5.003	5.001	0.00	-0.03%	0.07%
Max		5.004	5.007	0.00	0.21%	0.43%
Average		5.001	5.001	0.00	0.01%	0.09%
Min		4.996	4.998	0.00	-0.06%	0.01%
Std Dev		0.002	0.002	0.00	0.06%	0.10%



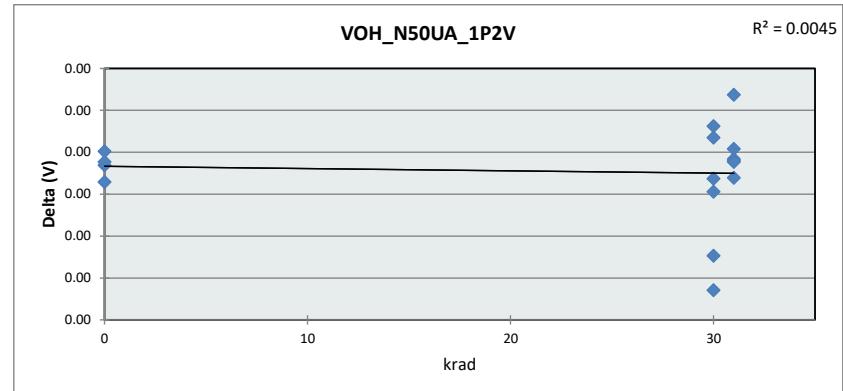
VOH_N24MA_5P5V						
Units	V					
Max Limit	5.6					
Min Limit	3.15					
krad	0	30	31			
LL	3.150	3.150	3.150			
Min	5.002	4.999	4.998			
Average	5.004	5.002	5.000			
Max	5.007	5.004	5.001			
UL	5.600	5.600	5.600			



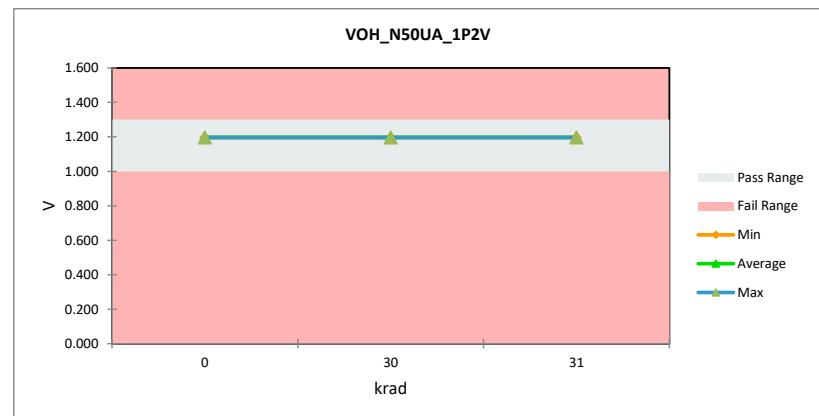
TID Report

SN54SC8T244-SEP

VOH_N50UA_1P2V						
Units	V					
Max Limit	1.3					
Min Limit	1					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.197	1.197	0.00	-0.01%	0.02%
0	2	1.197	1.197	0.00	0.00%	0.00%
0	3	1.197	1.197	0.00	0.00%	0.01%
0	4	1.197	1.197	0.00	0.00%	0.01%
30	5	1.197	1.197	0.00	0.00%	0.01%
30	6	1.197	1.197	0.00	-0.02%	0.08%
30	7	1.197	1.197	0.00	-0.03%	0.11%
30	8	1.197	1.197	0.00	-0.01%	0.03%
30	9	1.197	1.197	0.00	0.01%	0.02%
30	10	1.197	1.197	0.00	-0.01%	0.02%
31	5a	1.197	1.197	0.00	0.01%	0.05%
31	6a	1.197	1.197	0.00	-0.01%	0.02%
31	7a	1.197	1.197	0.00	0.00%	0.01%
31	8a	1.197	1.197	0.00	0.00%	0.01%
31	9a	1.197	1.197	0.00	0.00%	0.00%
31	10a	1.197	1.197	0.00	0.00%	0.01%
Max		1.197	1.197	0.00	0.01%	0.11%
Average		1.197	1.197	0.00	0.00%	0.03%
Min		1.197	1.197	0.00	-0.03%	0.00%
Std Dev		0.000	0.000	0.00	0.01%	0.03%



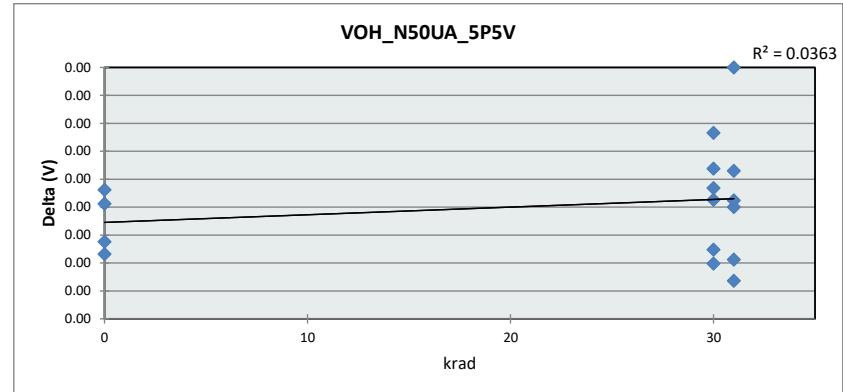
VOH_N50UA_1P2V						
Units	V					
Max Limit	1.3					
Min Limit	1					
krad	0	30	31			
LL	1.000	1.000	1.000			
Min	1.197	1.197	1.197			
Average	1.197	1.197	1.197			
Max	1.197	1.197	1.197			
UL	1.300	1.300	1.300			



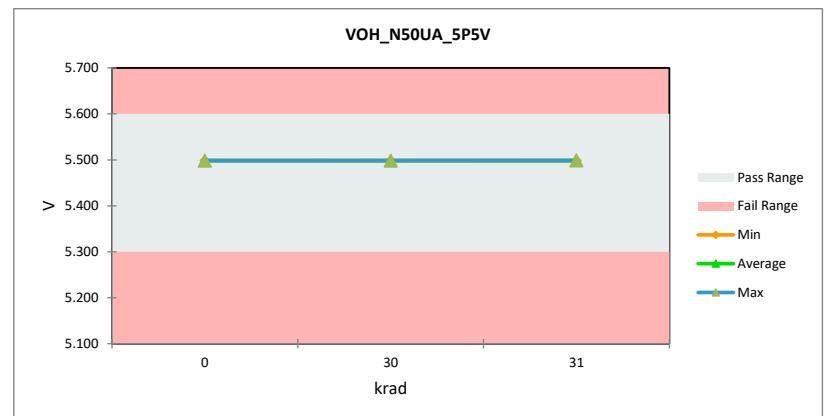
TID Report

SN54SC8T244-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	-0.01%	0.10%
0	2	5.499	5.498	0.00	0.00%	0.08%
0	3	5.499	5.498	0.00	-0.01%	0.11%
0	4	5.499	5.498	0.00	0.00%	0.07%
30	5	5.499	5.498	0.00	0.00%	0.08%
30	6	5.499	5.498	0.00	0.00%	0.06%
30	7	5.499	5.498	0.00	0.00%	0.07%
30	8	5.499	5.498	0.00	-0.01%	0.12%
30	9	5.499	5.498	0.00	0.00%	0.04%
30	10	5.499	5.498	0.00	-0.01%	0.11%
31	5a	5.499	5.498	0.00	-0.01%	0.11%
31	6a	5.499	5.498	0.00	0.00%	0.08%
31	7a	5.499	5.499	0.00	0.00%	0.06%
31	8a	5.499	5.498	0.00	-0.01%	0.13%
31	9a	5.499	5.499	0.00	0.00%	0.00%
31	10a	5.499	5.498	0.00	0.00%	0.08%
Max		5.499	5.499	0.00	0.00%	0.13%
Average		5.499	5.498	0.00	0.00%	0.08%
Min		5.499	5.498	0.00	-0.01%	0.00%
Std Dev		0.000	0.000	0.00	0.00%	0.03%



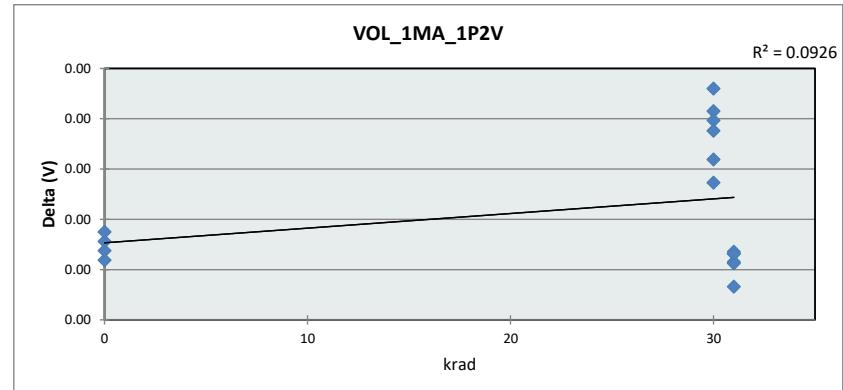
VOH_N50UA_5P5V						
Units		V				
Max Limit		5.6				
Min Limit		5.3				
krad	0	30		31		
LL	5.300	5.300		5.300		
Min	5.498	5.498		5.498		
Average	5.498	5.498		5.498		
Max	5.499	5.498		5.499		
UL	5.600	5.600		5.600		



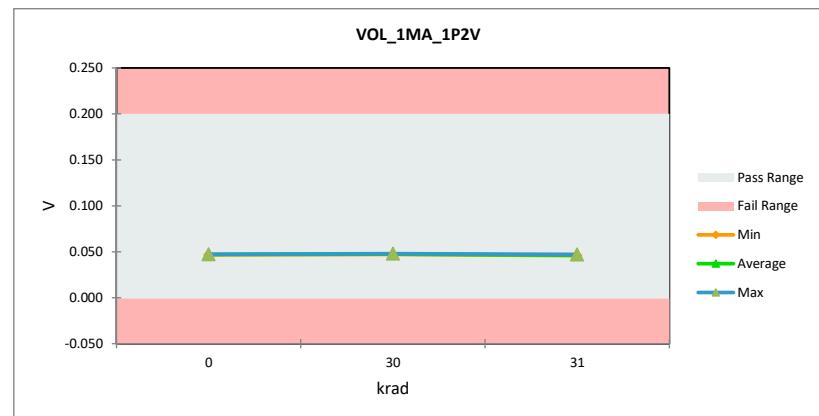
TID Report

SN54SC8T244-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	0.047	0.047	0.00	-0.86%	0.20%
0	2	0.047	0.047	0.00	-0.46%	0.11%
0	3	0.048	0.047	0.00	-0.66%	0.16%
0	4	0.047	0.046	0.00	-0.27%	0.06%
30	5	0.048	0.048	0.00	0.77%	0.18%
30	6	0.047	0.048	0.00	1.27%	0.30%
30	7	0.046	0.047	0.00	2.33%	0.54%
30	8	0.046	0.047	0.00	2.13%	0.49%
30	9	0.046	0.047	0.00	1.90%	0.44%
30	10	0.047	0.048	0.00	2.80%	0.65%
31	5a	0.048	0.047	0.00	-0.92%	0.22%
31	6a	0.047	0.046	0.00	-1.43%	0.33%
31	7a	0.046	0.046	0.00	-0.70%	0.16%
31	8a	0.046	0.046	0.00	-0.92%	0.21%
31	9a	0.046	0.046	0.00	-0.74%	0.17%
31	10a	0.047	0.046	0.00	-0.74%	0.17%
Max		0.048	0.048	0.00	2.80%	0.65%
Average		0.047	0.047	0.00	0.22%	0.27%
Min		0.046	0.046	0.00	-1.43%	0.06%
Std Dev		0.001	0.001	0.00	1.40%	0.17%



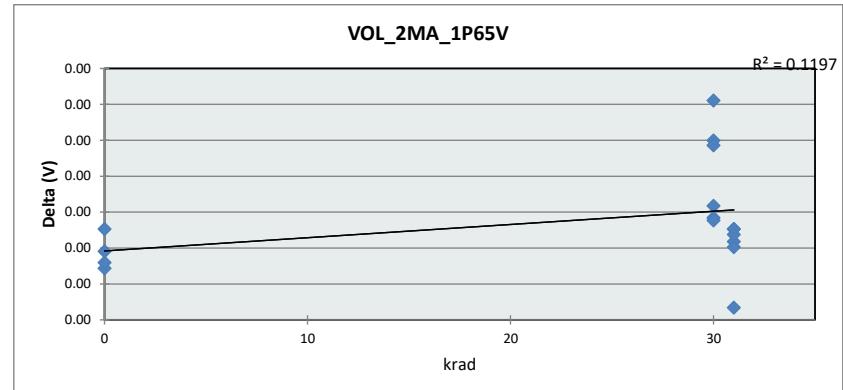
VOL_1MA_1P2V						
Units	V					
Max Limit	0.2					
Min Limit	-0.001					
krad	0	30	31	LL	Min	UL
Max	0.048	0.048	0.047	-0.001	-0.001	-0.001
Average	0.047	0.047	0.047	0.047	0.047	0.047
Min	0.046	0.046	0.046	0.046	0.046	0.046
Average	0.047	0.047	0.047	0.047	0.047	0.047
Max	0.047	0.048	0.047	0.200	0.200	0.200
UL	0.200	0.200	0.200			



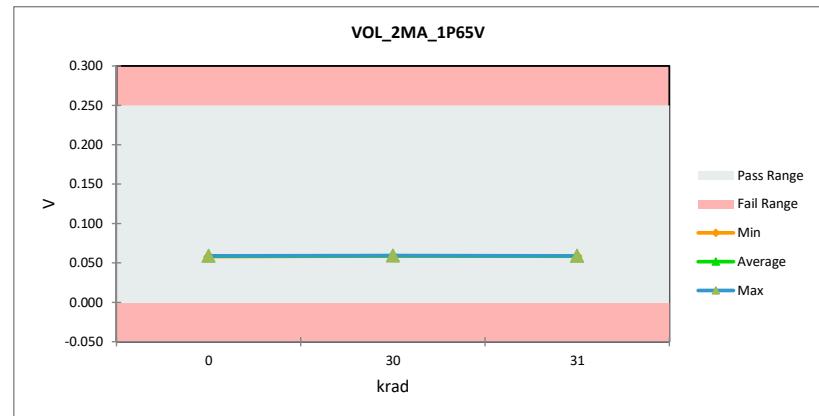
TID Report

SN54SC8T244-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	0.059	0.059	0.00	-0.53%	0.12%
0	2	0.059	0.059	0.00	-0.48%	0.11%
0	3	0.059	0.059	0.00	-0.37%	0.09%
0	4	0.058	0.058	0.00	-0.16%	0.04%
30	5	0.059	0.059	0.00	-0.05%	0.01%
30	6	0.059	0.059	0.00	-0.08%	0.02%
30	7	0.059	0.059	0.00	0.68%	0.16%
30	8	0.059	0.059	0.00	1.06%	0.25%
30	9	0.059	0.059	0.00	0.06%	0.01%
30	10	0.059	0.059	0.00	0.63%	0.15%
31	5a	0.059	0.059	0.00	-0.16%	0.04%
31	6a	0.059	0.059	0.00	-0.90%	0.21%
31	7a	0.059	0.058	0.00	-0.28%	0.07%
31	8a	0.059	0.059	0.00	-0.16%	0.04%
31	9a	0.059	0.059	0.00	-0.21%	0.05%
31	10a	0.059	0.059	0.00	-0.33%	0.08%
Max		0.059	0.059	0.00	1.06%	0.25%
Average		0.059	0.059	0.00	-0.08%	0.09%
Min		0.058	0.058	0.00	-0.90%	0.01%
Std Dev		0.000	0.000	0.00	0.49%	0.07%



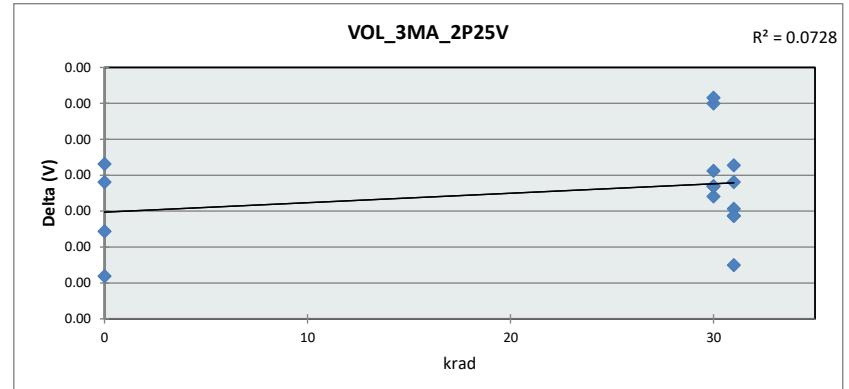
VOL_2MA_1P65V						
Units	V					
Max Limit	0.25					
Min Limit	-0.001					
krad	0	30	31	LL	Min	UL
Max	0.059	0.059	0.059	-0.001	-0.001	-0.001
Average	0.059	0.059	0.059	0.059	0.059	0.059
Min	0.058	0.058	0.058	0.058	0.058	0.058
Average	0.059	0.059	0.059	0.059	0.059	0.059
Max	0.059	0.059	0.059	0.059	0.059	0.059
UL	0.250	0.250	0.250	0.250	0.250	0.250



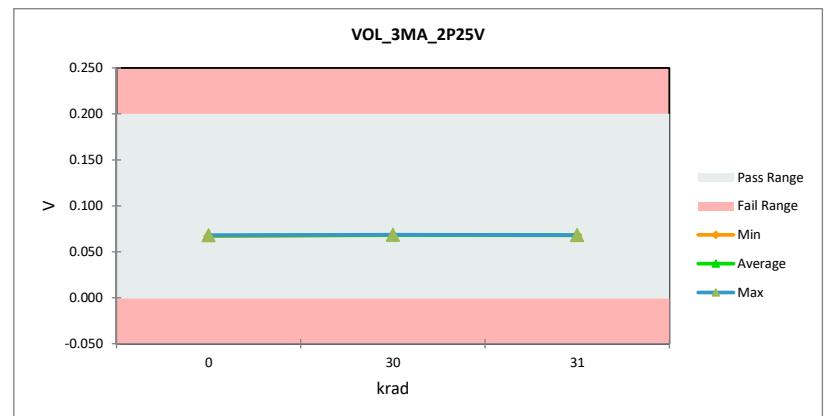
TID Report

SN54SC8T244-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	0.068	0.067	0.00	-0.83%	0.28%
0	2	0.068	0.068	0.00	-0.46%	0.16%
0	3	0.068	0.068	0.00	-0.06%	0.02%
0	4	0.067	0.067	0.00	0.09%	0.03%
30	5	0.068	0.068	0.00	-0.09%	0.03%
30	6	0.068	0.068	0.00	-0.17%	0.06%
30	7	0.068	0.068	0.00	0.59%	0.20%
30	8	0.068	0.069	0.00	0.63%	0.21%
30	9	0.068	0.068	0.00	-0.09%	0.03%
30	10	0.068	0.068	0.00	0.04%	0.01%
31	5a	0.068	0.068	0.00	-0.06%	0.02%
31	6a	0.068	0.068	0.00	-0.73%	0.25%
31	7a	0.068	0.068	0.00	0.08%	0.03%
31	8a	0.068	0.068	0.00	-0.28%	0.09%
31	9a	0.068	0.068	0.00	-0.33%	0.11%
31	10a	0.068	0.068	0.00	-0.33%	0.11%
Max		0.068	0.069	0.00	0.63%	0.28%
Average		0.068	0.068	0.00	-0.12%	0.10%
Min		0.067	0.067	0.00	-0.83%	0.01%
Std Dev		0.000	0.000	0.00	0.39%	0.09%



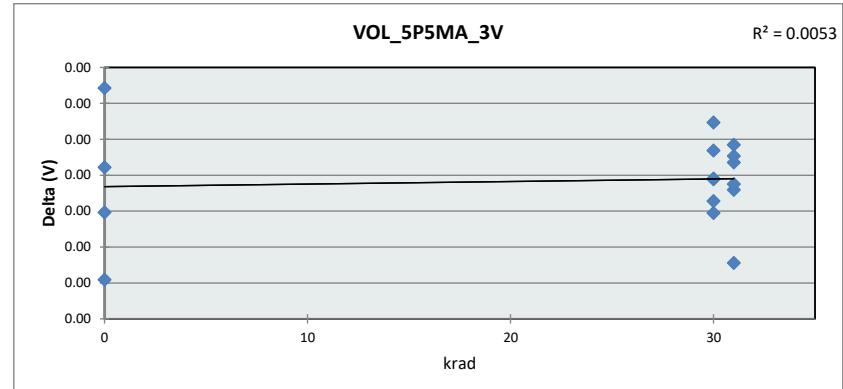
VOL_3MA_2P25V						
Units	V					
Max Limit	0.2					
Min Limit	-0.001					
krad	0	30	31	LL	Min	UL
Max	0.068	0.069	0.068	-0.001	-0.001	-0.001
Average	0.068	0.068	0.068	0.068	0.068	0.068
Min	0.067	0.067	0.067	0.067	0.068	0.068
Average	0.068	0.068	0.068	0.068	0.068	0.068
Max	0.068	0.069	0.068	0.068	0.068	0.068
UL	0.200	0.200	0.200	0.200	0.200	0.200



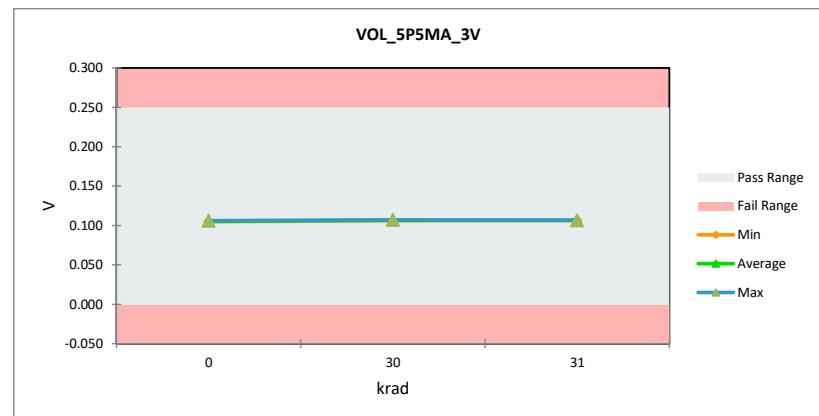
TID Report

SN54SC8T244-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	0.106	0.105	0.00	-0.74%	0.31%
0	2	0.106	0.105	0.00	-0.38%	0.16%
0	3	0.106	0.106	0.00	-0.15%	0.06%
0	4	0.105	0.105	0.00	0.27%	0.11%
30	5	0.106	0.106	0.00	-0.39%	0.16%
30	6	0.107	0.107	0.00	-0.32%	0.14%
30	7	0.107	0.107	0.00	-0.06%	0.02%
30	8	0.107	0.107	0.00	0.09%	0.04%
30	9	0.107	0.107	0.00	-0.21%	0.09%
30	10	0.107	0.106	0.00	-0.21%	0.09%
31	5a	0.106	0.106	0.00	-0.12%	0.05%
31	6a	0.107	0.106	0.00	-0.64%	0.27%
31	7a	0.107	0.107	0.00	-0.09%	0.04%
31	8a	0.107	0.107	0.00	-0.26%	0.11%
31	9a	0.107	0.107	0.00	-0.23%	0.10%
31	10a	0.107	0.107	0.00	-0.03%	0.01%
Max		0.107	0.107	0.00	0.27%	0.31%
Average		0.107	0.106	0.00	-0.22%	0.11%
Min		0.105	0.105	0.00	-0.74%	0.01%
Std Dev		0.001	0.001	0.00	0.25%	0.08%



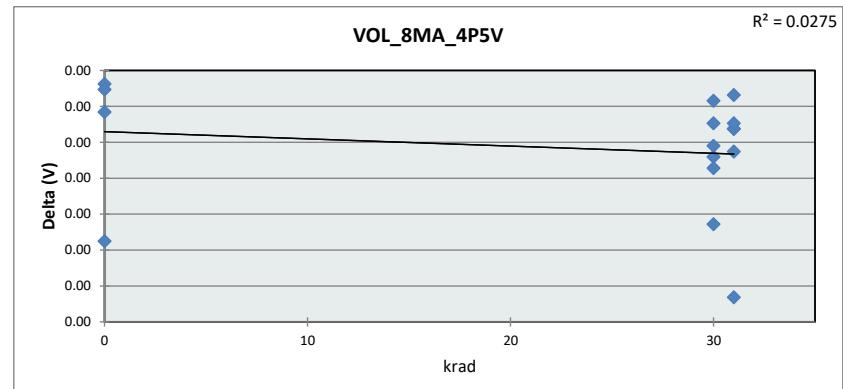
VOL_5P5MA_3V						
Units	V					
Max Limit	0.25					
Min Limit	-0.001					
krad	0	30	31	LL	Min	UL
Max	0.107	0.107	0.107	-0.001	-0.001	-0.001
Average	0.107	0.106	0.107	0.105	0.106	0.106
Min	0.105	0.105	0.105	0.105	0.106	0.106
Average	0.105	0.107	0.107	0.105	0.107	0.107
Max	0.106	0.107	0.107	0.106	0.107	0.107
UL	0.250	0.250	0.250	0.250	0.250	0.250



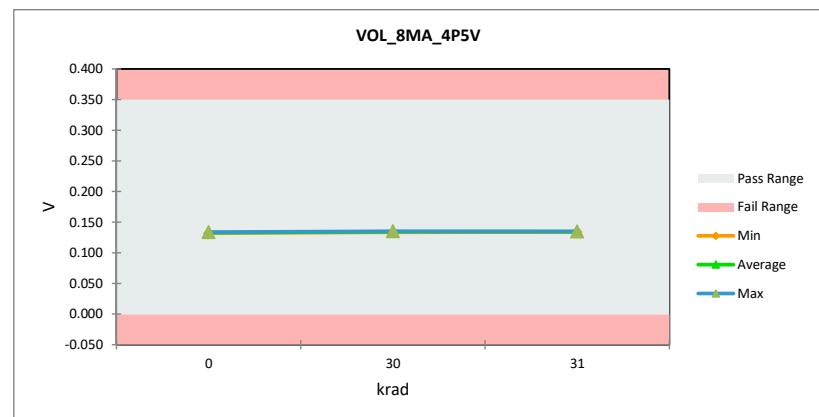
TID Report

SN54SC8T244-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	0.133	0.132	0.00	-0.56%	0.21%
0	2	0.133	0.133	0.00	0.09%	0.04%
0	3	0.134	0.134	0.00	-0.02%	0.01%
0	4	0.132	0.132	0.00	0.07%	0.03%
30	5	0.134	0.133	0.00	-0.21%	0.08%
30	6	0.135	0.134	0.00	-0.49%	0.19%
30	7	0.135	0.135	0.00	0.02%	0.01%
30	8	0.135	0.135	0.00	-0.16%	0.06%
30	9	0.135	0.134	0.00	-0.07%	0.03%
30	10	0.134	0.134	0.00	-0.26%	0.10%
31	5a	0.134	0.134	0.00	0.05%	0.02%
31	6a	0.135	0.134	0.00	-0.79%	0.30%
31	7a	0.135	0.135	0.00	-0.09%	0.04%
31	8a	0.135	0.135	0.00	-0.19%	0.07%
31	9a	0.135	0.134	0.00	-0.09%	0.04%
31	10a	0.134	0.134	0.00	-0.07%	0.03%
Max		0.135	0.135	0.00	0.09%	0.30%
Average		0.134	0.134	0.00	-0.17%	0.08%
Min		0.132	0.132	0.00	-0.79%	0.01%
Std Dev		0.001	0.001	0.00	0.25%	0.08%

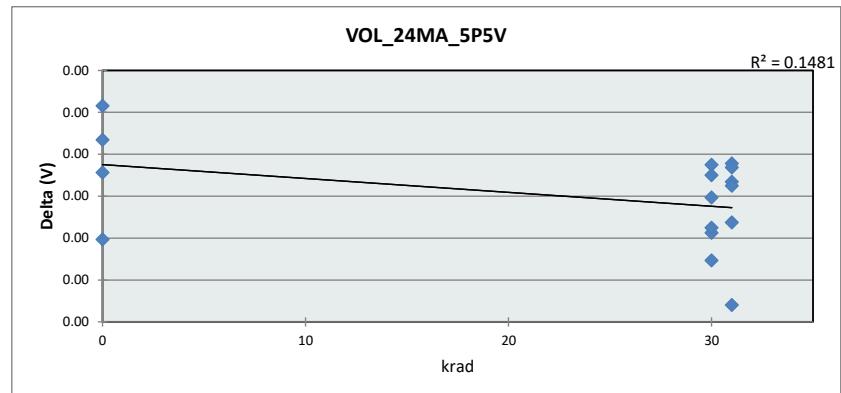


VOL_8MA_4P5V						
Units	V					
Max Limit	0.35					
Min Limit	-0.001					
krad	0	30	31	LL	Min	UL
LL	-0.001	-0.001	-0.001	0.132	0.133	0.134
Min	0.132	0.133	0.134	0.133	0.134	0.134
Average	0.133	0.134	0.134	0.133	0.134	0.134
Max	0.134	0.135	0.135	0.134	0.135	0.135
UL	0.350	0.350	0.350	0.350	0.350	0.350

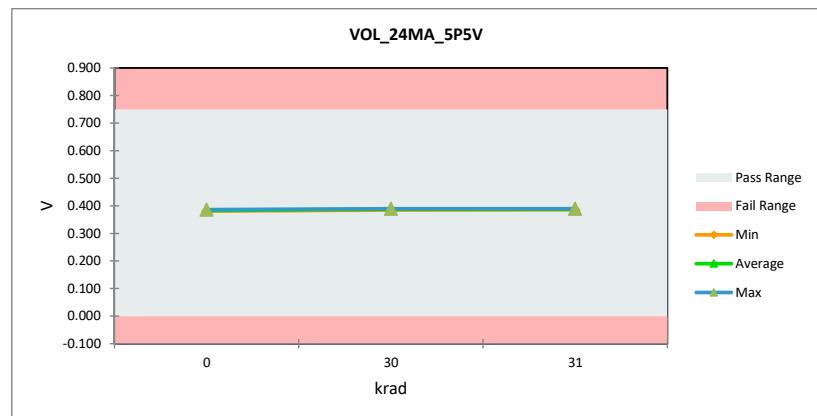


TID Report
SN54SC8T244-SEP

VOL_24MA_5P5V						
Units	V					
Max Limit	0.75					
Min Limit	-0.001					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.384	0.382	0.00	-0.53%	0.27%
0	2	0.384	0.384	0.00	-0.11%	0.06%
0	3	0.386	0.386	0.00	0.09%	0.05%
0	4	0.380	0.381	0.00	0.30%	0.15%
30	5	0.386	0.385	0.00	-0.27%	0.14%
30	6	0.390	0.387	0.00	-0.65%	0.34%
30	7	0.390	0.389	0.00	-0.06%	0.03%
30	8	0.391	0.389	0.00	-0.48%	0.25%
30	9	0.388	0.388	0.00	-0.13%	0.07%
30	10	0.388	0.386	0.00	-0.45%	0.23%
31	5a	0.386	0.386	0.00	-0.06%	0.03%
31	6a	0.390	0.386	0.00	-0.92%	0.48%
31	7a	0.390	0.389	0.00	-0.17%	0.09%
31	8a	0.391	0.389	0.00	-0.42%	0.22%
31	9a	0.388	0.388	0.00	-0.08%	0.04%
31	10a	0.388	0.387	0.00	-0.19%	0.10%
		Max	0.391	0.389	0.00	0.30%
		Average	0.387	0.386	0.00	-0.26%
		Min	0.380	0.381	0.00	-0.92%
		Std Dev	0.003	0.003	0.00	0.30%
						0.13%



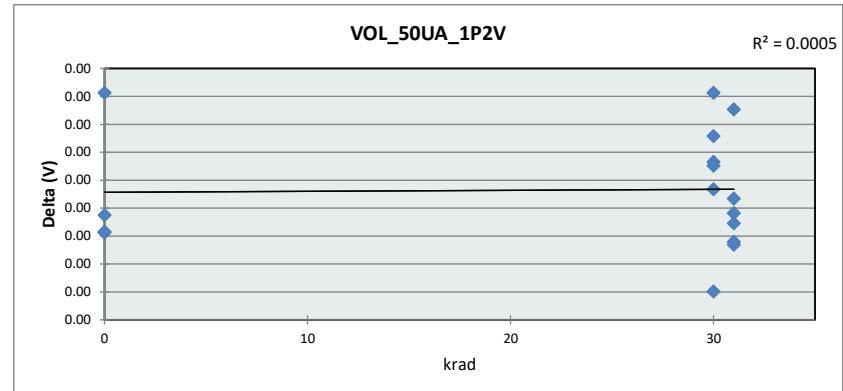
VOL_24MA_5P5V			
Units	V		
Max Limit	0.75		
Min Limit	-0.001		
krad	0	30	31
LL	-0.001	-0.001	-0.001
Min	0.381	0.385	0.386
Average	0.383	0.387	0.388
Max	0.386	0.389	0.389
UL	0.750	0.750	0.750



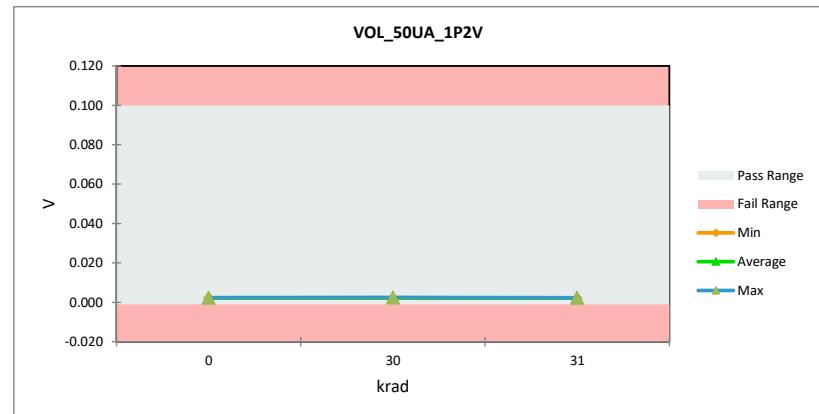
TID Report

SN54SC8T244-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	7.17%	0.15%
0	2	0.002	0.002	0.00	-3.96%	0.09%
0	3	0.002	0.002	0.00	-2.77%	0.06%
0	4	0.002	0.002	0.00	-3.90%	0.09%
30	5	0.002	0.002	0.00	-8.59%	0.20%
30	6	0.002	0.002	0.00	6.78%	0.15%
30	7	0.002	0.002	0.00	1.50%	0.03%
30	8	0.002	0.002	0.00	1.14%	0.03%
30	9	0.002	0.002	0.00	-0.71%	0.02%
30	10	0.002	0.002	0.00	3.63%	0.08%
31	5a	0.002	0.002	0.00	-2.55%	0.06%
31	6a	0.002	0.002	0.00	-1.42%	0.03%
31	7a	0.002	0.002	0.00	-3.55%	0.08%
31	8a	0.002	0.002	0.00	-5.03%	0.11%
31	9a	0.002	0.002	0.00	-4.75%	0.11%
31	10a	0.002	0.002	0.00	5.81%	0.13%
Max		0.002	0.002	0.00	7.17%	0.20%
Average		0.002	0.002	0.00	-0.70%	0.09%
Min		0.002	0.002	0.00	-8.59%	0.02%
Std Dev		0.000	0.000	0.00	4.63%	0.05%



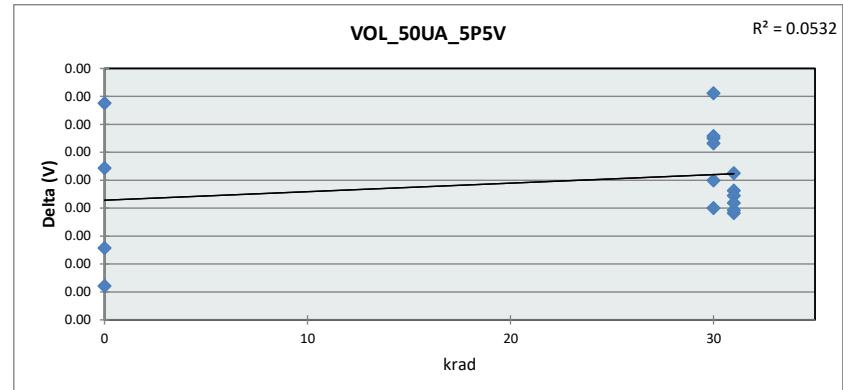
VOL_50UA_1P2V						
Units	V					
Max Limit	0.1					
Min Limit	-0.001					
krad	0	30	31			
LL	-0.001	-0.001	-0.001			
Min	0.002	0.002	0.002			
Average	0.002	0.002	0.002			
Max	0.002	0.002	0.002			
UL	0.100	0.100	0.100			



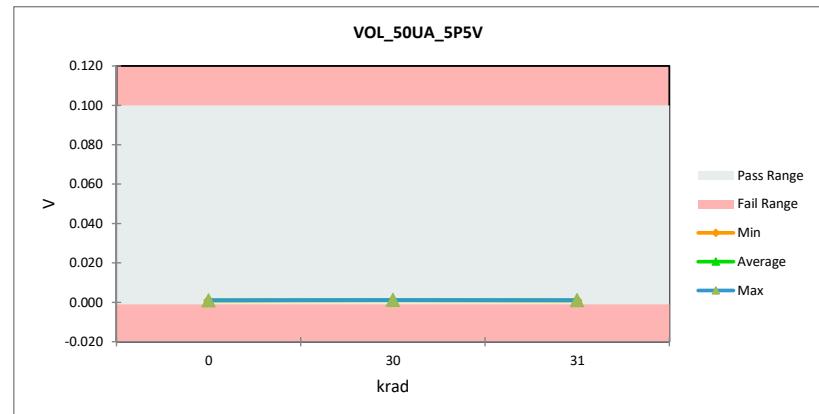
TID Report

SN54SC8T244-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	7.68%	0.07%
0	2	0.001	0.001	0.00	-12.86%	0.14%
0	3	0.001	0.001	0.00	-7.36%	0.07%
0	4	0.001	0.001	0.00	22.37%	0.19%
30	5	0.001	0.001	0.00	13.88%	0.12%
30	6	0.001	0.001	0.00	12.45%	0.13%
30	7	0.001	0.001	0.00	23.62%	0.20%
30	8	0.001	0.001	0.00	13.20%	0.11%
30	9	0.001	0.001	0.00	4.92%	0.05%
30	10	0.001	0.001	0.00	0.00%	0.00%
31	5a	0.001	0.001	0.00	3.47%	0.03%
31	6a	0.001	0.001	0.00	-0.88%	0.01%
31	7a	0.001	0.001	0.00	7.19%	0.06%
31	8a	0.001	0.001	0.00	2.53%	0.02%
31	9a	0.001	0.001	0.00	-0.38%	0.00%
31	10a	0.001	0.001	0.00	0.86%	0.01%
Max		0.001	0.001	0.00	23.62%	0.20%
Average		0.001	0.001	0.00	5.67%	0.08%
Min		0.001	0.001	0.00	-12.86%	0.00%
Std Dev		0.000	0.000	0.00	9.80%	0.07%



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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