



ABSTRACT

This report covers the radiation characterization results of the SN54SC8T574-SEP, radiation tolerant octal edge-triggered d-type flip-flops 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 SN54SC8T574-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 [SN54SC8T595-SEP Total Ionizing Dose \(TID\) Report](#).

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1 Device Information

The SN54SC8T574-SEP devices are octal edge-triggered D-type flip-flops.

These devices feature 3-state outputs designed specifically for driving highly capacitive or relatively low-impedance loads. The devices are particularly suitable for implementing buffer registers, I/O ports, bidirectional bus drivers, and working registers.

On the positive transition of the clock (CLK) input, the Q outputs are set to the logic levels set up at the data (D) inputs.

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	SN54SC8T574-SEP
VID Number	V62/25629
Package	20-pin PW (TSSOP)
Technology	LBC9
Die Lot Number	4141847RFB
A/T Lot Number and Date Code	4167437ML4 / 42CE1SK
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	170.24rad(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 SN54SC8T574-SEP samples were irradiated at a high dose rate of 170.24rad(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 SN54SC8T574-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 170.24rads(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.

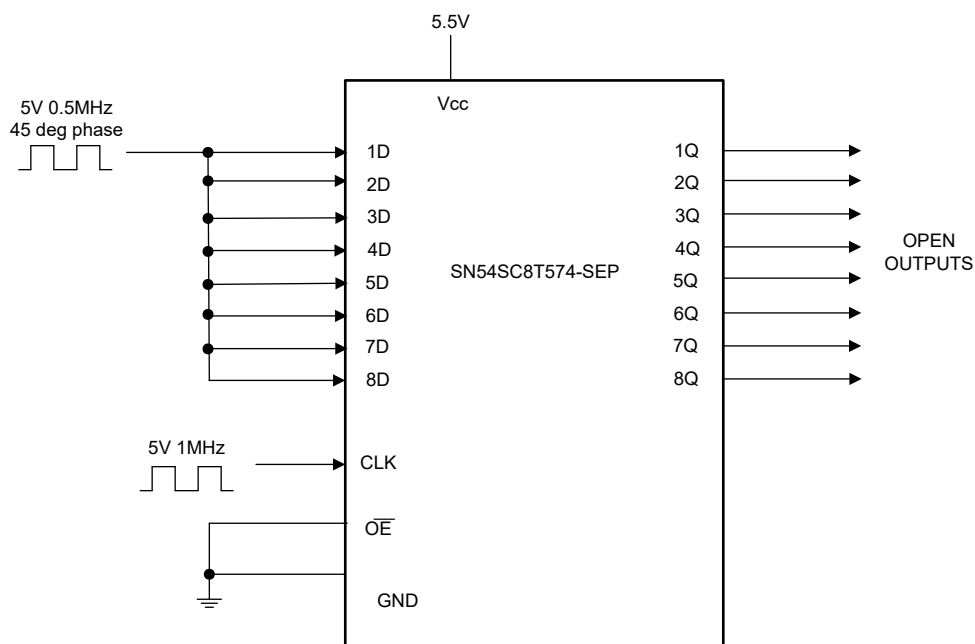


Figure 2-1. SN54SC8T574-SEP Bias Diagram

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 = 170.24rad(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 SN54SC8T574-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 SN54SC8T574-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 [SN54SC8T574-SEP Radiation-Tolerant, Octal Edge-Triggered D-Type Flip-Flops 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	DELTAICC_5P5V
	One input at 0.3V or 1.1V, other inputs at V _{CC} or GND	1.8V			68	μA	DELTAICC_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

- Schmitt-trigger input devices only.
- Push-pull output devices only.
- 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.

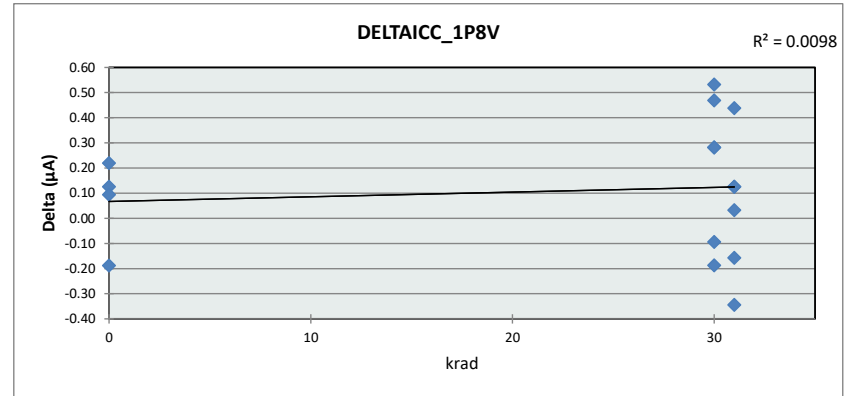
5 Appendix: HDR TID Report Data

This appendix provides the SN54SC8T574-SEP TID HDR report. The report shows the variation for each parameter up to 30krad(Si).

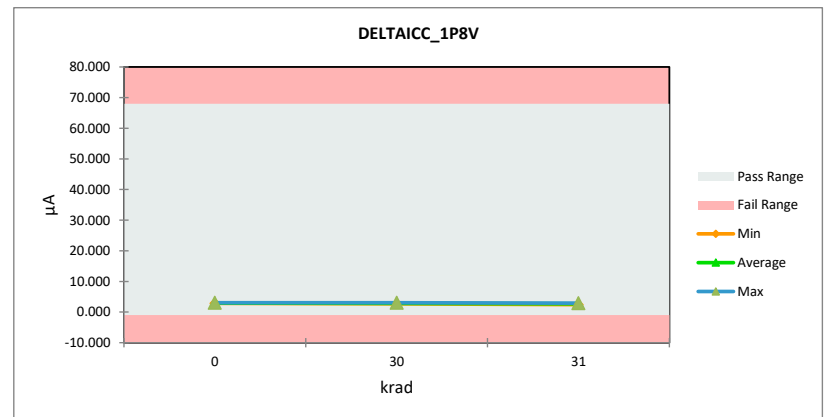
TID Report

SN54SC8T574-SEP

DELTAICC_1P8V						
Units	μA					
Max Limit	68					
Min Limit	-1					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	3.036	2.848	-0.19	-6.19%	0.27%
0	2	2.817	2.942	0.13	4.44%	0.18%
0	3	2.817	2.911	0.09	3.34%	0.14%
0	4	2.817	3.036	0.22	7.77%	0.32%
30	5	2.379	2.848	0.47	19.71%	0.68%
30	6	2.441	2.973	0.53	21.79%	0.77%
30	7	2.942	2.848	-0.09	-3.20%	0.14%
30	8	2.879	2.692	-0.19	-6.50%	0.27%
30	9	2.754	3.036	0.28	10.24%	0.41%
30	10	2.535	2.817	0.28	11.12%	0.41%
31	5a	2.379	2.817	0.44	18.41%	0.63%
31	6a	2.441	2.566	0.13	5.12%	0.18%
31	7a	2.942	2.785	-0.16	-5.34%	0.23%
31	8a	2.879	2.911	0.03	1.11%	0.05%
31	9a	2.754	2.410	-0.34	-12.49%	0.50%
31	10a	2.535	2.660	0.13	4.93%	0.18%
Max	3.036	3.036	0.00	21.79%	0.77%	
Average	2.709	2.819	0.11	4.64%	0.33%	
Min	2.379	2.410	0.03	-12.49%	0.05%	
Std Dev	0.221	0.169	-0.05	10.02%	0.21%	



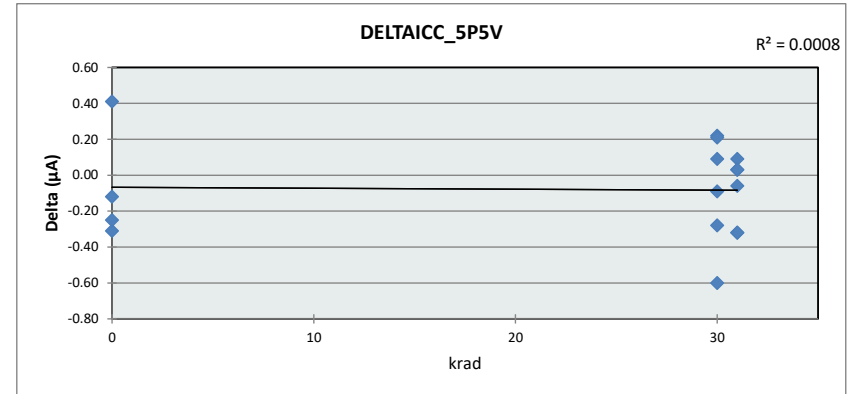
DELTAICC_1P8V			
Units	μA		
Max Limit	68		
Min Limit	-1		
krad	0	30	31
LL	-1.000	-1.000	-1.000
Min	2.848	2.692	2.410
Average	2.934	2.869	2.692
Max	3.036	3.036	2.911
UL	68.000	68.000	68.000



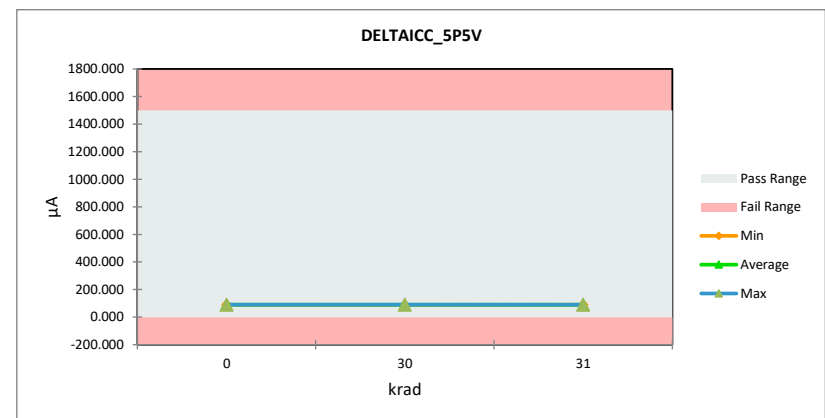
TID Report

SN54SC8T574-SEP

DELTAICC_5P5V						
Units	μA					
Max Limit	1500					
Min Limit	-1					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	90.200	90.610	0.41	0.45%	0.03%
0	2	90.040	89.920	-0.12	-0.13%	0.01%
0	3	89.980	89.670	-0.31	-0.34%	0.02%
0	4	89.980	89.730	-0.25	-0.28%	0.02%
30	5	90.390	90.610	0.22	0.24%	0.01%
30	6	89.480	89.570	0.09	0.10%	0.01%
30	7	89.480	89.200	-0.28	-0.31%	0.02%
30	8	89.540	89.450	-0.09	-0.10%	0.01%
30	9	89.450	88.850	-0.60	-0.67%	0.04%
30	10	89.890	90.100	0.21	0.23%	0.01%
31	5a	90.390	90.070	-0.32	-0.35%	0.02%
31	6a	89.480	89.420	-0.06	-0.07%	0.00%
31	7a	89.480	89.570	0.09	0.10%	0.01%
31	8a	89.540	89.570	0.03	0.03%	0.00%
31	9a	89.450	89.480	0.03	0.03%	0.00%
31	10a	89.890	89.570	-0.32	-0.36%	0.02%
Max	90.390	90.610	0.22	0.45%	0.04%	
Average	89.791	89.712	-0.08	-0.09%	0.01%	
Min	89.450	88.850	-0.60	-0.67%	0.00%	
Std Dev	0.345	0.464	0.12	0.29%	0.01%	



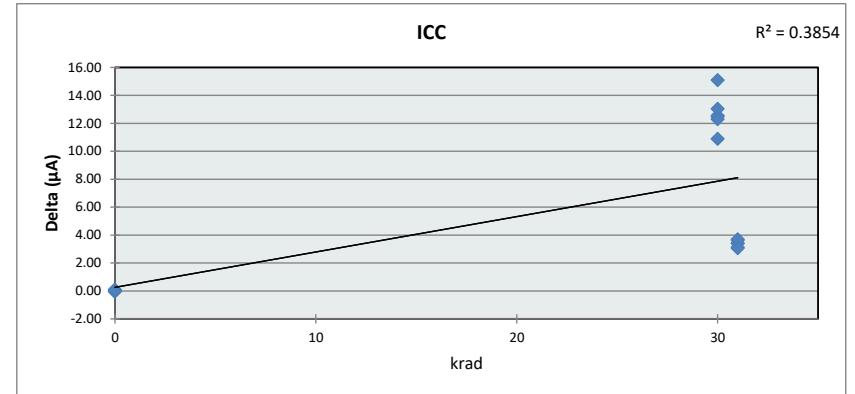
DELTAICC_5P5V			
Units	μA		
Max Limit	1500		
Min Limit	-1		
krad	0	30	31
LL	-1.000	-1.000	-1.000
Min	89.670	88.850	89.420
Average	89.983	89.630	89.613
Max	90.610	90.610	90.070
UL	1500.000	1500.000	1500.000



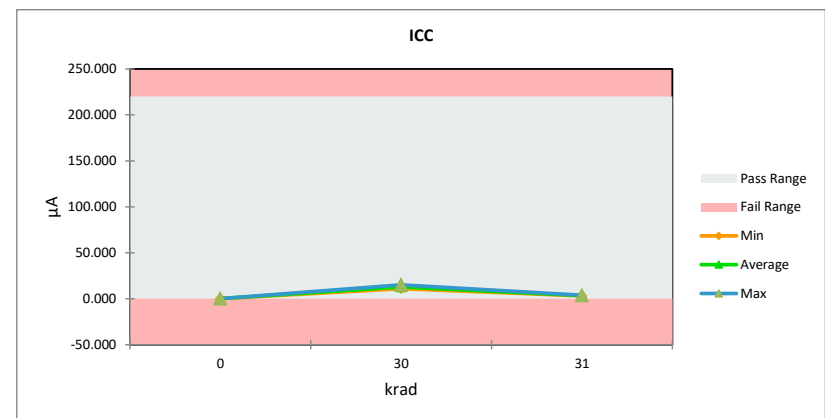
TID Report

SN54SC8T574-SEP

ICC						
Units	μA					
Max Limit	220					
Min Limit	-0.1					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.085	0.069	-0.02	-18.79%	0.01%
0	2	0.128	0.079	-0.05	-38.47%	0.02%
0	3	0.027	0.122	0.10	360.41%	0.04%
0	4	0.048	0.104	0.06	116.70%	0.03%
30	5	0.110	12.600	12.49	11375.41%	5.67%
30	6	0.041	12.590	12.55	30622.30%	5.70%
30	7	0.020	15.110	15.09	74554.15%	6.86%
30	8	0.042	12.330	12.29	29532.30%	5.58%
30	9	0.048	13.090	13.04	27411.56%	5.93%
30	10	0.025	10.920	10.89	43113.30%	4.95%
31	5a	0.110	3.526	3.42	3111.29%	1.55%
31	6a	0.041	3.458	3.42	8338.26%	1.55%
31	7a	0.020	3.659	3.64	17978.06%	1.65%
31	8a	0.042	3.163	3.12	7501.54%	1.42%
31	9a	0.048	3.747	3.70	7775.16%	1.68%
31	10a	0.025	3.089	3.06	12123.98%	1.39%
Max	0.128	15.110	14.98	74554.15%	6.86%	
Average	0.054	6.104	6.05	17116.07%	2.75%	
Min	0.020	0.069	0.05	-38.47%	0.01%	
Std Dev	0.035	5.559	5.52	20143.94%	2.52%	



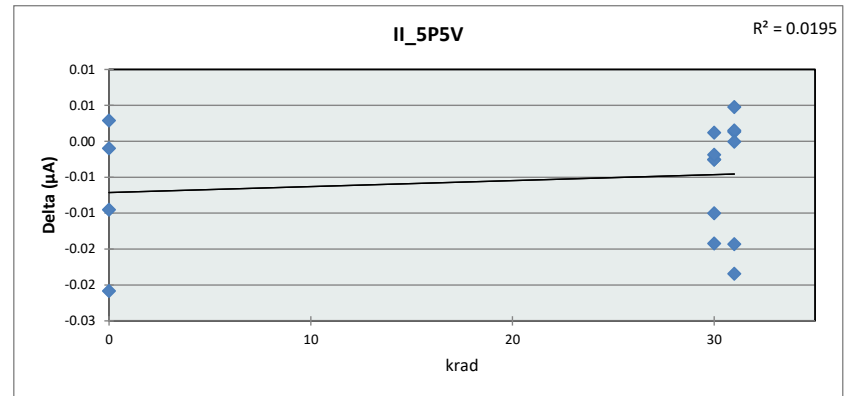
ICC			
Units	μA		
Max Limit	220		
Min Limit	-0.1		
krad	0	30	31
LL	-0.100	-0.100	-0.100
Min	0.069	10.920	3.089
Average	0.094	12.773	3.440
Max	0.122	15.110	3.747
UL	220.000	220.000	220.000



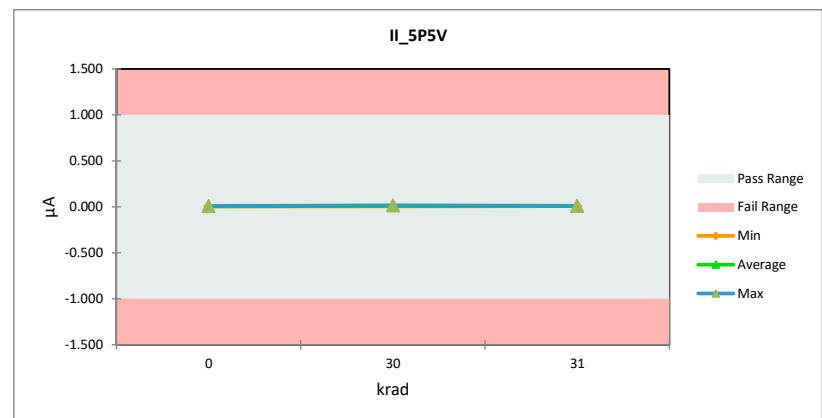
TID Report

SN54SC8T574-SEP

II_5P5V						
Units	μA					
Max Limit	1					
Min Limit	-1					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.006	0.008	0.00	52.02%	0.14%
0	2	0.026	0.005	-0.02	-80.70%	1.04%
0	3	0.016	0.007	-0.01	-59.24%	0.48%
0	4	0.004	0.003	0.00	-24.31%	0.05%
30	5	0.027	0.017	-0.01	-37.65%	0.50%
30	6	0.007	0.005	0.00	-34.38%	0.13%
30	7	0.022	0.007	-0.01	-65.51%	0.71%
30	8	0.006	0.007	0.00	20.65%	0.06%
30	9	0.008	0.006	0.00	-31.59%	0.13%
30	10	0.008	0.006	0.00	-24.13%	0.09%
31	5a	0.027	0.008	-0.02	-69.18%	0.92%
31	6a	0.007	0.009	0.00	17.85%	0.07%
31	7a	0.022	0.007	-0.01	-65.83%	0.72%
31	8a	0.006	0.011	0.00	81.35%	0.24%
31	9a	0.008	0.010	0.00	18.48%	0.08%
31	10a	0.008	0.008	0.00	-0.88%	0.00%
Max	0.027	0.017	-0.01	81.35%	1.04%	
Average	0.013	0.008	-0.01	-18.94%	0.33%	
Min	0.004	0.003	0.00	-80.70%	0.00%	
Std Dev	0.009	0.003	-0.01	46.82%	0.34%	

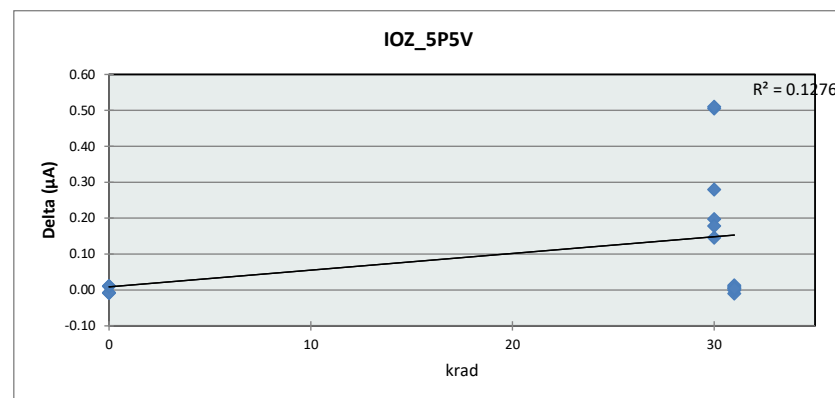


II_5P5V			
Units	μA		
Max Limit	1		
Min Limit	-1		
krad	0	30	31
LL	-1.000	-1.000	-1.000
Min	0.003	0.005	0.007
Average	0.006	0.008	0.009
Max	0.008	0.017	0.011
UL	1.000	1.000	1.000

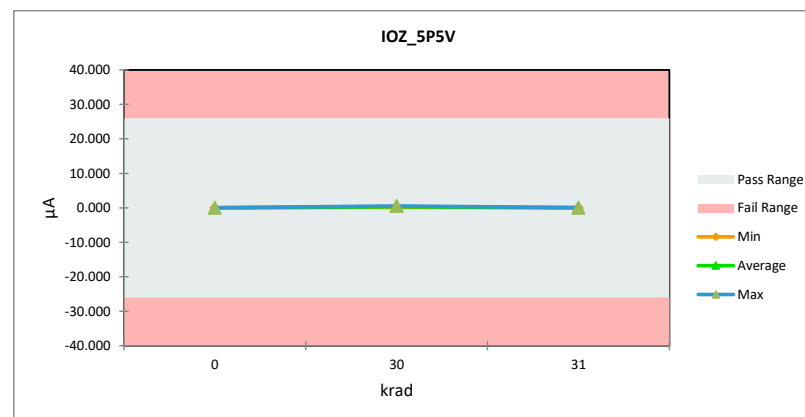


TID Report SN54SC8T574-SEP

IOZ_5P5V						
Units	μA					
Max Limit	26					
Min Limit	-26					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.014	0.005	-0.01	-62.87%	0.02%
0	2	0.020	0.013	-0.01	-38.45%	0.02%
0	3	0.005	0.015	0.01	211.02%	0.02%
0	4	0.003	0.013	0.01	399.43%	0.02%
30	5	0.026	0.531	0.51	1958.53%	0.97%
30	6	0.017	0.214	0.20	1140.44%	0.38%
30	7	0.007	0.287	0.28	4006.35%	0.54%
30	8	0.004	0.183	0.18	4096.74%	0.34%
30	9	0.009	0.519	0.51	5600.32%	0.98%
30	10	0.006	0.151	0.15	2643.28%	0.28%
31	5a	0.026	0.016	-0.01	-37.87%	0.02%
31	6a	0.017	0.017	0.00	-3.59%	0.00%
31	7a	0.007	0.016	0.01	129.47%	0.02%
31	8a	0.004	0.009	0.01	116.11%	0.01%
31	9a	0.009	0.022	0.01	142.12%	0.02%
31	10a	0.006	0.010	0.00	75.93%	0.01%
Max	0.026	0.531	0.51	5600.32%	0.98%	
Average	0.011	0.126	0.12	1273.56%	0.23%	
Min	0.003	0.005	0.00	-62.87%	0.00%	
Std Dev	0.008	0.179	0.17	1837.33%	0.34%	



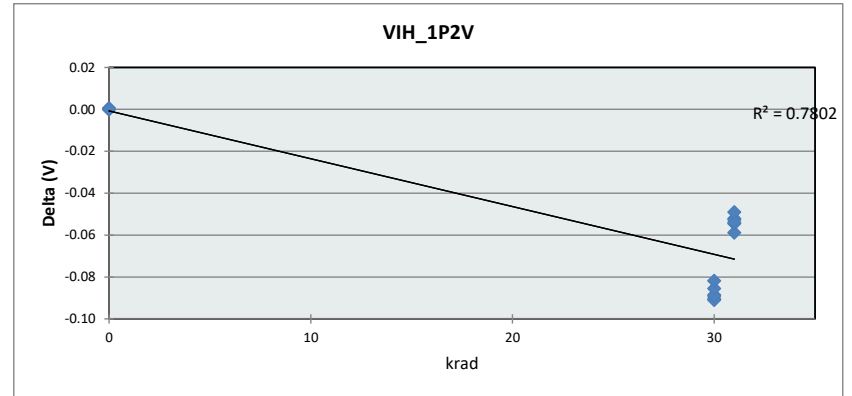
IOZ_5P5V			
Units	μA		
Max Limit	26		
Min Limit	-26		
krad	0	30	31
LL	-26.000	-26.000	-26.000
Min	0.005	0.151	0.009
Average	0.012	0.314	0.015
Max	0.015	0.531	0.022
UL	26.000	26.000	26.000



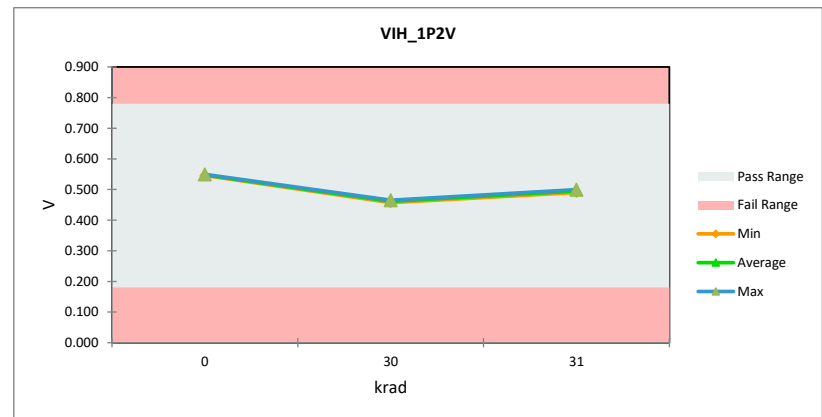
TID Report

SN54SC8T574-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	0.548	0.548	0.00	0.00%	0.00%
0	3	0.548	0.548	0.00	0.00%	0.00%
0	4	0.546	0.546	0.00	0.00%	0.00%
30	5	0.549	0.460	-0.09	-16.13%	14.76%
30	6	0.548	0.457	-0.09	-16.50%	15.06%
30	7	0.551	0.460	-0.09	-16.50%	15.16%
30	8	0.552	0.463	-0.09	-16.14%	14.86%
30	9	0.547	0.461	-0.09	-15.63%	14.25%
30	10	0.547	0.465	-0.08	-14.97%	13.64%
31	5a	0.549	0.490	-0.06	-10.72%	9.80%
31	6a	0.548	0.493	-0.05	-9.97%	9.10%
31	7a	0.551	0.499	-0.05	-9.46%	8.69%
31	8a	0.552	0.500	-0.05	-9.55%	8.79%
31	9a	0.547	0.493	-0.05	-9.87%	9.00%
31	10a	0.547	0.498	-0.05	-8.98%	8.19%
Max		0.552	0.549	0.00	0.11%	15.16%
Average		0.549	0.496	-0.05	-9.64%	8.84%
Min		0.546	0.457	-0.09	-16.50%	0.00%
Std Dev		0.002	0.035	0.03	6.42%	5.86%



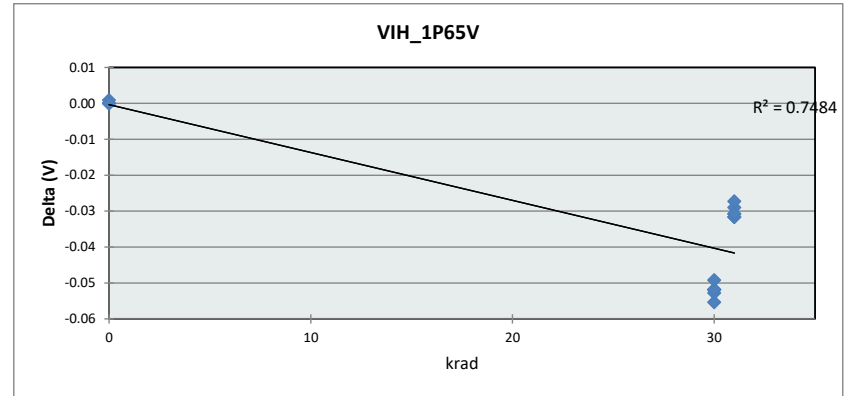
VIH_1P2V			
Units		V	
Max Limit		0.78	
Min Limit		0.18	
krad	0	30	31
LL	0.180	0.180	0.180
Min	0.546	0.457	0.490
Average	0.548	0.461	0.495
Max	0.549	0.465	0.500
UL	0.780	0.780	0.780



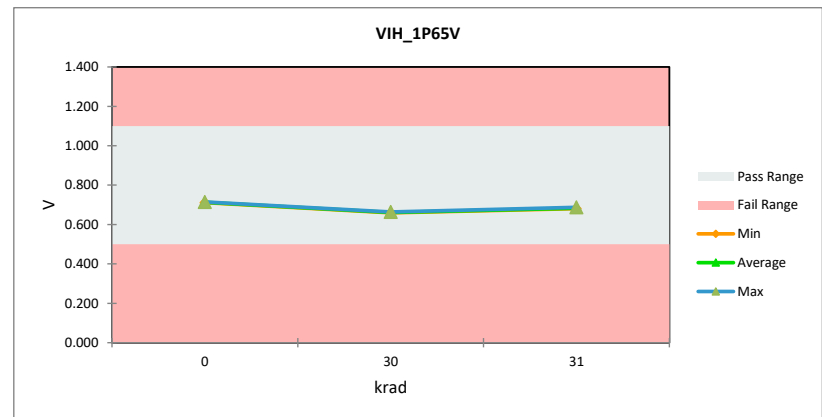
TID Report

SN54SC8T574-SEP

VIH_1P65V						
Units	V					
Max Limit	1.1					
Min Limit	0.5					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.714	0.715	0.00	0.12%	0.15%
0	2	0.712	0.712	0.00	0.00%	0.00%
0	3	0.713	0.713	0.00	0.00%	0.00%
0	4	0.711	0.711	0.00	0.00%	0.00%
30	5	0.713	0.661	-0.05	-7.28%	8.65%
30	6	0.712	0.660	-0.05	-7.29%	8.65%
30	7	0.716	0.660	-0.06	-7.74%	9.23%
30	8	0.716	0.664	-0.05	-7.36%	8.79%
30	9	0.711	0.659	-0.05	-7.30%	8.65%
30	10	0.711	0.662	-0.05	-6.92%	8.21%
31	5a	0.713	0.681	-0.03	-4.44%	5.28%
31	6a	0.712	0.680	-0.03	-4.45%	5.28%
31	7a	0.716	0.685	-0.03	-4.30%	5.13%
31	8a	0.716	0.687	-0.03	-4.05%	4.84%
31	9a	0.711	0.680	-0.03	-4.33%	5.13%
31	10a	0.711	0.684	-0.03	-3.83%	4.54%
Max	0.716	0.715	0.00	0.12%	9.23%	
Average	0.713	0.682	-0.03	-4.32%	5.16%	
Min	0.711	0.659	-0.05	-7.74%	0.00%	
Std Dev	0.002	0.021	0.02	2.95%	3.47%	



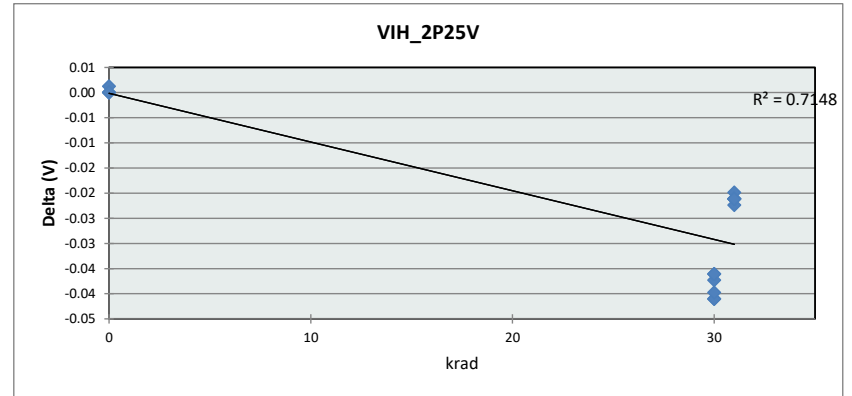
VIH_1P65V			
Units	V		
Max Limit	1.1		
Min Limit	0.5		
krad	0	30	31
LL	0.500	0.500	0.500
Min	0.711	0.659	0.680
Average	0.713	0.661	0.683
Max	0.715	0.664	0.687
UL	1.100	1.100	1.100



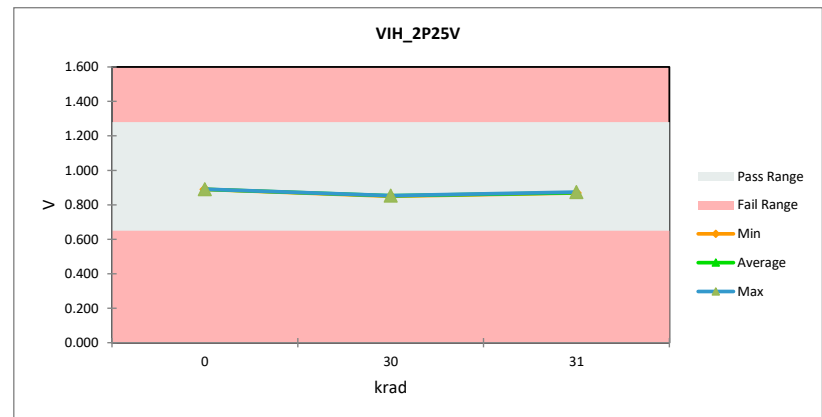
TID Report

SN54SC8T574-SEP

VIH_2P25V						
Units	V					
Max Limit	1.28					
Min Limit	0.65					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.889	0.891	0.00	0.14%	0.20%
0	2	0.889	0.889	0.00	0.00%	0.00%
0	3	0.891	0.891	0.00	0.00%	0.00%
0	4	0.889	0.889	0.00	0.00%	0.00%
30	5	0.891	0.853	-0.04	-4.19%	5.92%
30	6	0.889	0.853	-0.04	-4.05%	5.72%
30	7	0.893	0.852	-0.04	-4.59%	6.51%
30	8	0.894	0.853	-0.04	-4.59%	6.51%
30	9	0.889	0.850	-0.04	-4.47%	6.31%
30	10	0.889	0.853	-0.04	-4.05%	5.72%
31	5a	0.891	0.868	-0.02	-2.51%	3.55%
31	6a	0.889	0.868	-0.02	-2.38%	3.35%
31	7a	0.893	0.872	-0.02	-2.37%	3.35%
31	8a	0.894	0.874	-0.02	-2.22%	3.16%
31	9a	0.889	0.868	-0.02	-2.38%	3.35%
31	10a	0.889	0.868	-0.02	-2.38%	3.35%
Max	0.894	0.891	0.00	0.14%	6.51%	
Average	0.891	0.868	-0.02	-2.50%	3.56%	
Min	0.889	0.850	-0.04	-4.59%	0.00%	
Std Dev	0.002	0.015	0.01	1.75%	2.44%	



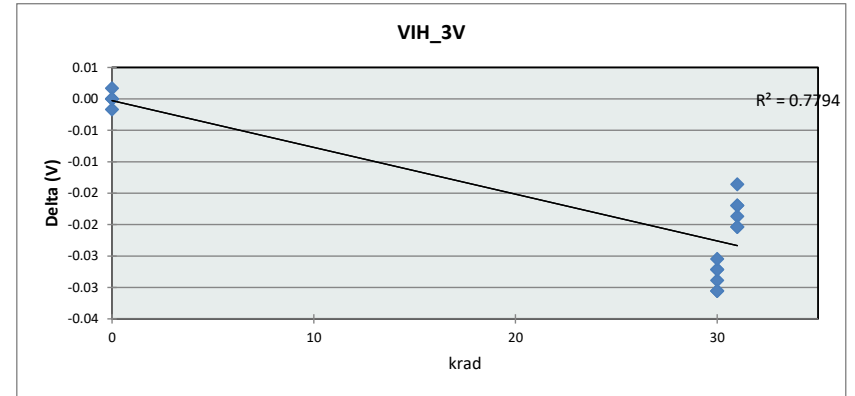
VIH_2P25V			
Units	V		
Max Limit	1.28		
Min Limit	0.65		
krad	0	30	31
LL	0.650	0.650	0.650
Min	0.889	0.850	0.868
Average	0.890	0.853	0.870
Max	0.891	0.853	0.874
UL	1.280	1.280	1.280



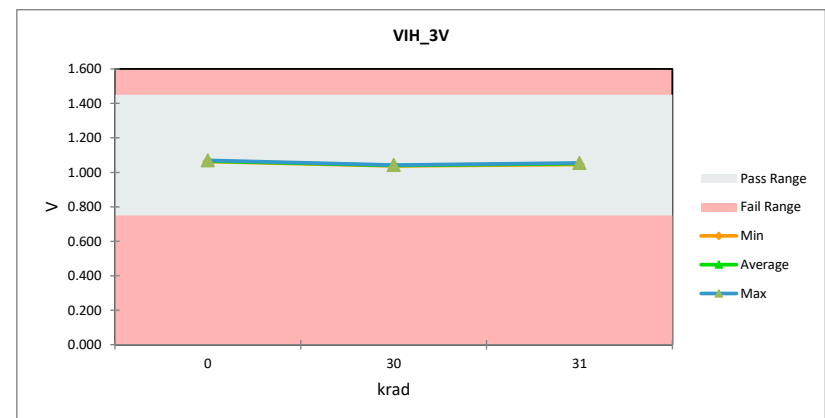
TID Report

SN54SC8T574-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	1.064	0.00	0.16%	0.24%
0	2	1.066	1.064	0.00	-0.16%	0.24%
0	3	1.070	1.070	0.00	0.00%	0.00%
0	4	1.063	1.063	0.00	0.00%	0.00%
30	5	1.070	1.039	-0.03	-2.86%	4.37%
30	6	1.066	1.039	-0.03	-2.55%	3.88%
30	7	1.071	1.042	-0.03	-2.69%	4.12%
30	8	1.070	1.042	-0.03	-2.54%	3.88%
30	9	1.064	1.039	-0.03	-2.39%	3.64%
30	10	1.068	1.037	-0.03	-2.86%	4.37%
31	5a	1.070	1.051	-0.02	-1.75%	2.67%
31	6a	1.066	1.046	-0.02	-1.91%	2.91%
31	7a	1.071	1.054	-0.02	-1.59%	2.43%
31	8a	1.070	1.053	-0.02	-1.59%	2.43%
31	9a	1.064	1.051	-0.01	-1.28%	1.94%
31	10a	1.068	1.047	-0.02	-1.91%	2.91%
	Max	1.071	1.070	0.00	0.16%	4.37%
	Average	1.067	1.050	-0.02	-1.62%	2.50%
	Min	1.063	1.037	-0.03	-2.86%	0.00%
	Std Dev	0.003	0.011	0.01	1.08%	1.59%



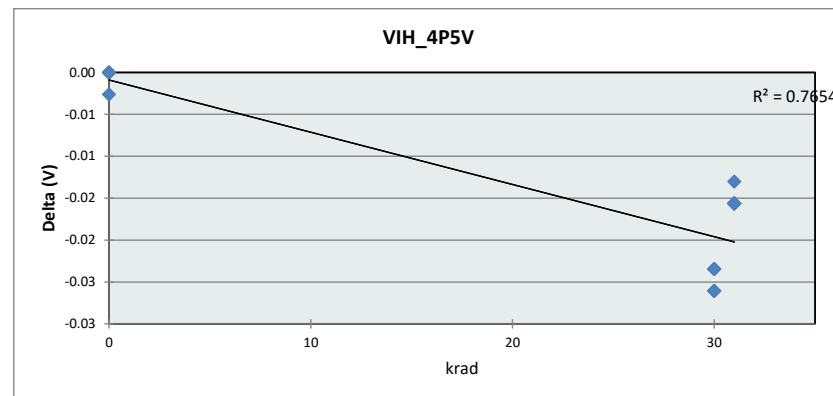
		VIH_3V		
Units		V		
Max Limit		1.45		
Min Limit		0.75		
krad		0	30	31
LL		0.750	0.750	0.750
Min		1.063	1.037	1.046
Average		1.065	1.040	1.050
Max		1.070	1.042	1.054
UL		1.450	1.450	1.450



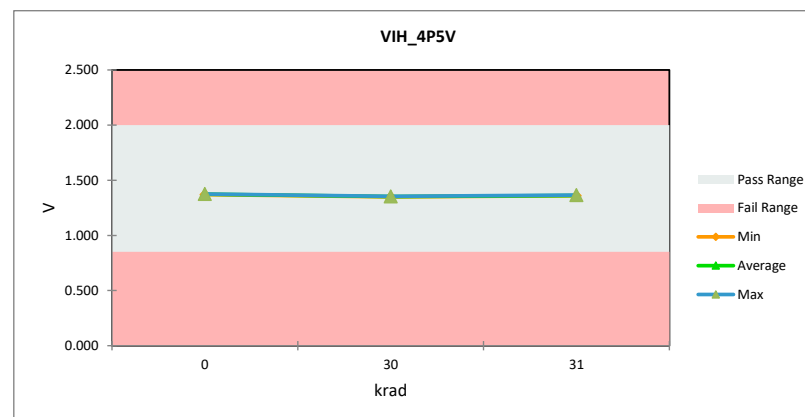
TID Report

SN54SC8T574-SEP

VIH_4P5V						
Units	V					
Max Limit	2					
Min Limit	0.85					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.373	1.373	0.00	0.00%	0.00%
0	2	1.375	1.375	0.00	0.00%	0.00%
0	3	1.375	1.375	0.00	0.00%	0.00%
0	4	1.373	1.370	0.00	-0.19%	0.23%
30	5	1.375	1.352	-0.02	-1.71%	2.04%
30	6	1.375	1.349	-0.03	-1.90%	2.27%
30	7	1.380	1.354	-0.03	-1.89%	2.27%
30	8	1.380	1.354	-0.03	-1.89%	2.27%
30	9	1.375	1.352	-0.02	-1.71%	2.04%
30	10	1.375	1.352	-0.02	-1.71%	2.04%
31	5a	1.375	1.359	-0.02	-1.14%	1.36%
31	6a	1.375	1.359	-0.02	-1.14%	1.36%
31	7a	1.380	1.365	-0.02	-1.13%	1.36%
31	8a	1.380	1.365	-0.02	-1.13%	1.36%
31	9a	1.375	1.359	-0.02	-1.14%	1.36%
31	10a	1.375	1.362	-0.01	-0.95%	1.13%
Max	1.380	1.375	-0.01	0.00%	2.27%	
Average	1.376	1.361	-0.02	-1.10%	1.32%	
Min	1.373	1.349	-0.02	-1.90%	0.00%	
Std Dev	0.003	0.009	0.01	0.71%	0.85%	



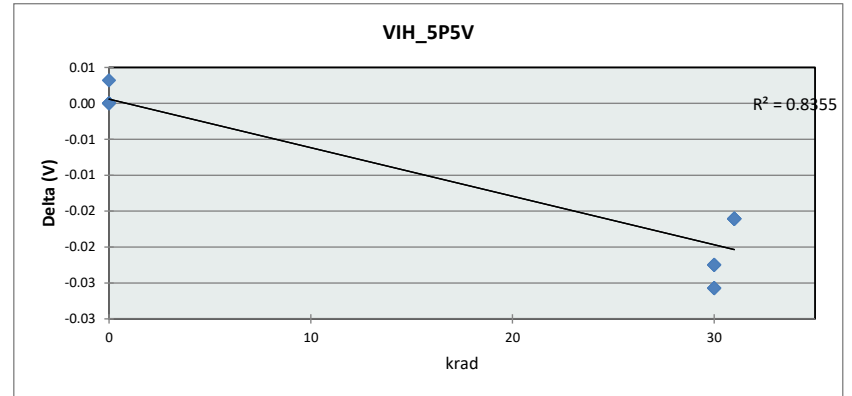
VIH_4P5V			
Units	V		
Max Limit	2		
Min Limit	0.85		
krad	0	30	31
LL	0.850	0.850	0.850
Min	1.370	1.349	1.359
Average	1.373	1.352	1.362
Max	1.375	1.354	1.365
UL	2.000	2.000	2.000



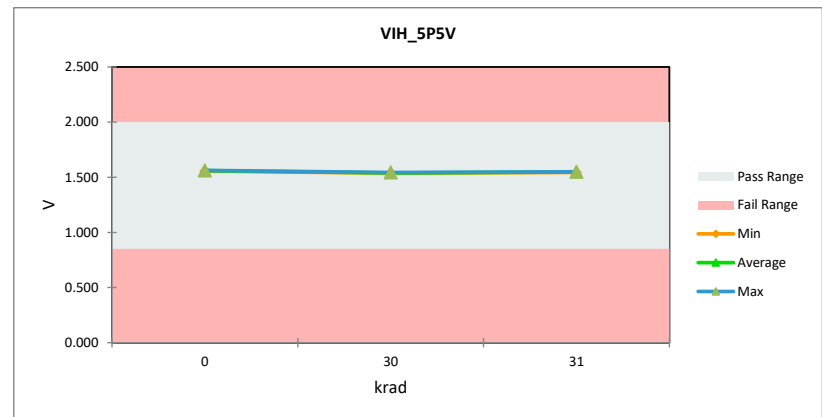
TID Report

SN54SC8T574-SEP

VIH_5P5V						
Units	V					
Max Limit	2					
Min Limit	0.85					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.559	1.559	0.00	0.00%	0.00%
0	2	1.559	1.562	0.00	0.21%	0.28%
0	3	1.562	1.562	0.00	0.00%	0.00%
0	4	1.556	1.556	0.00	0.00%	0.00%
30	5	1.562	1.537	-0.03	-1.65%	2.24%
30	6	1.559	1.537	-0.02	-1.44%	1.96%
30	7	1.566	1.543	-0.02	-1.44%	1.96%
30	8	1.566	1.540	-0.03	-1.64%	2.24%
30	9	1.562	1.537	-0.03	-1.65%	2.24%
30	10	1.562	1.540	-0.02	-1.44%	1.96%
31	5a	1.562	1.546	-0.02	-1.03%	1.40%
31	6a	1.559	1.543	-0.02	-1.03%	1.40%
31	7a	1.566	1.550	-0.02	-1.03%	1.40%
31	8a	1.566	1.550	-0.02	-1.03%	1.40%
31	9a	1.562	1.546	-0.02	-1.03%	1.40%
31	10a	1.562	1.546	-0.02	-1.03%	1.40%
Max		1.566	1.562	0.00	0.21%	2.24%
Average		1.562	1.547	-0.01	-0.95%	1.33%
Min		1.556	1.537	-0.02	-1.65%	0.00%
Std Dev		0.003	0.009	0.01	0.65%	0.82%



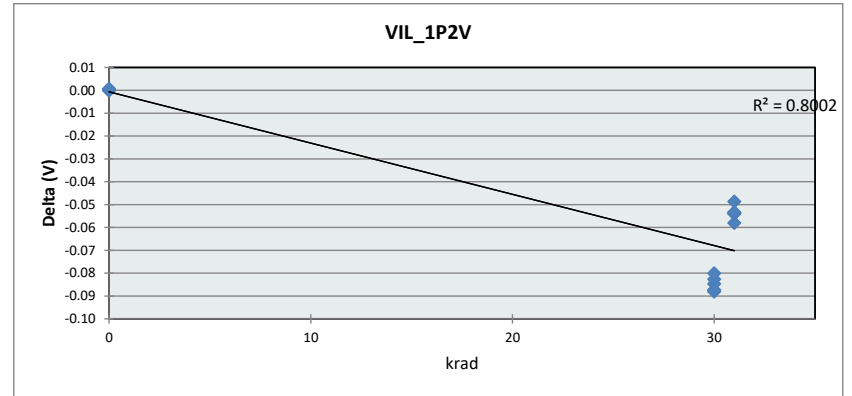
VIH_5P5V			
Units	V		
Max Limit	2		
Min Limit	0.85		
krad	0	30	31
LL	0.850	0.850	0.850
Min	1.556	1.537	1.543
Average	1.560	1.539	1.547
Max	1.562	1.543	1.550
UL	2.000	2.000	2.000



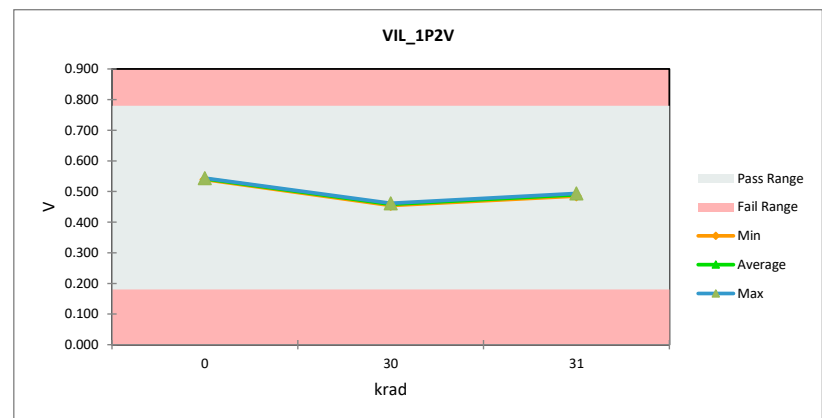
TID Report

SN54SC8T574-SEP

VIL_1P2V						
Units	V					
Max Limit	0.78					
Min Limit	0.18					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.544	0.544	0.00	0.00%	0.00%
0	2	0.543	0.543	0.00	0.00%	0.00%
0	3	0.539	0.539	0.00	0.00%	0.00%
0	4	0.540	0.541	0.00	0.12%	0.11%
30	5	0.543	0.458	-0.08	-15.60%	14.12%
30	6	0.542	0.454	-0.09	-16.14%	14.57%
30	7	0.546	0.458	-0.09	-16.14%	14.68%
30	8	0.547	0.460	-0.09	-15.98%	14.57%
30	9	0.541	0.458	-0.08	-15.29%	13.79%
30	10	0.542	0.462	-0.08	-14.78%	13.34%
31	5a	0.543	0.485	-0.06	-10.69%	9.67%
31	6a	0.542	0.488	-0.05	-9.98%	9.01%
31	7a	0.546	0.492	-0.05	-9.90%	9.01%
31	8a	0.547	0.494	-0.05	-9.76%	8.89%
31	9a	0.541	0.488	-0.05	-9.87%	8.89%
31	10a	0.542	0.493	-0.05	-8.99%	8.12%
	Max	0.547	0.544	0.00	0.12%	14.68%
	Average	0.543	0.491	-0.05	-9.56%	8.67%
	Min	0.539	0.454	-0.08	-16.14%	0.00%
	Std Dev	0.002	0.033	0.03	6.29%	5.68%



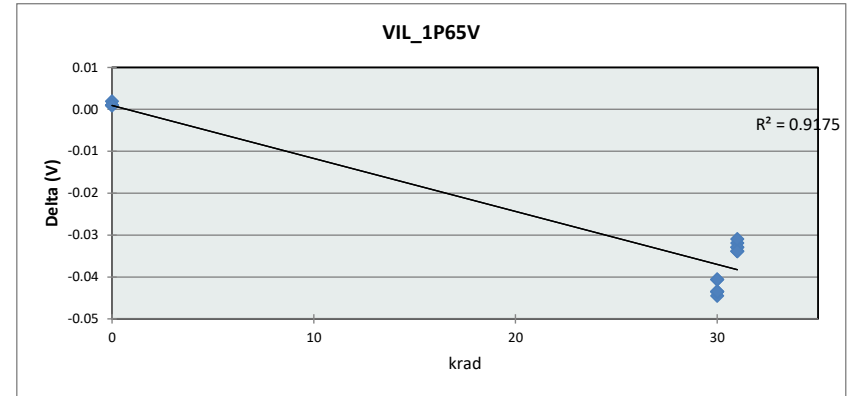
VIL_1P2V			
Units	V		
Max Limit	0.78		
Min Limit	0.18		
krad	0	30	31
LL	0.180	0.180	0.180
Min	0.539	0.454	0.485
Average	0.542	0.458	0.490
Max	0.544	0.462	0.494
UL	0.780	0.780	0.780



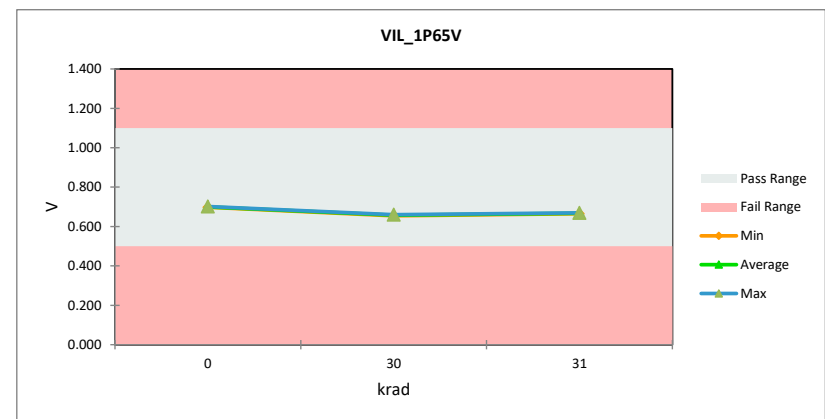
TID Report

SN54SC8T574-SEP

VIL_1P65V						
Units	V					
Max Limit	1.1					
Min Limit	0.5					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.700	0.702	0.00	0.28%	0.32%
0	2	0.699	0.700	0.00	0.14%	0.16%
0	3	0.697	0.698	0.00	0.14%	0.16%
0	4	0.698	0.699	0.00	0.14%	0.16%
30	5	0.699	0.658	-0.04	-5.81%	6.77%
30	6	0.698	0.654	-0.04	-6.24%	7.25%
30	7	0.703	0.658	-0.04	-6.33%	7.42%
30	8	0.704	0.660	-0.04	-6.19%	7.25%
30	9	0.699	0.655	-0.04	-6.23%	7.25%
30	10	0.699	0.658	-0.04	-5.81%	6.77%
31	5a	0.699	0.666	-0.03	-4.71%	5.48%
31	6a	0.698	0.666	-0.03	-4.57%	5.32%
31	7a	0.703	0.670	-0.03	-4.68%	5.48%
31	8a	0.704	0.670	-0.03	-4.81%	5.64%
31	9a	0.699	0.665	-0.03	-4.85%	5.64%
31	10a	0.699	0.668	-0.03	-4.43%	5.16%
Max	0.704	0.702	0.00	0.28%	7.42%	
Average	0.700	0.672	-0.03	-4.00%	4.77%	
Min	0.697	0.654	-0.04	-6.33%	0.16%	
Std Dev	0.002	0.017	0.02	2.57%	2.83%	



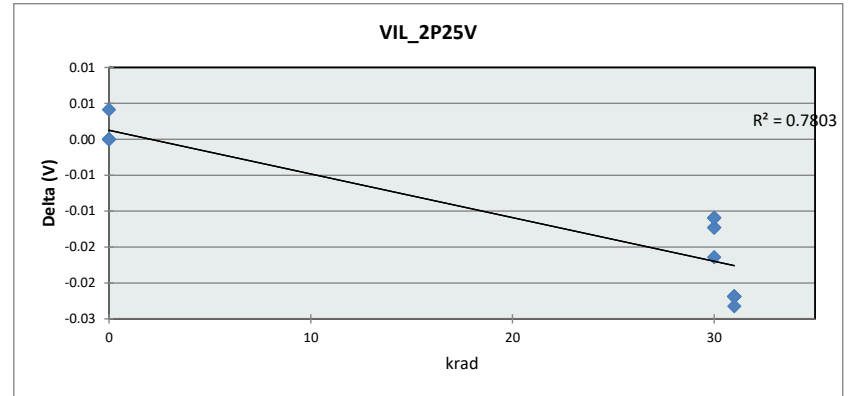
VIL_1P65V			
Units	V		
Max Limit	1.1		
Min Limit	0.5		
krad	0	30	31
LL	0.500	0.500	0.500
Min	0.698	0.654	0.665
Average	0.699	0.657	0.667
Max	0.702	0.660	0.670
UL	1.100	1.100	1.100



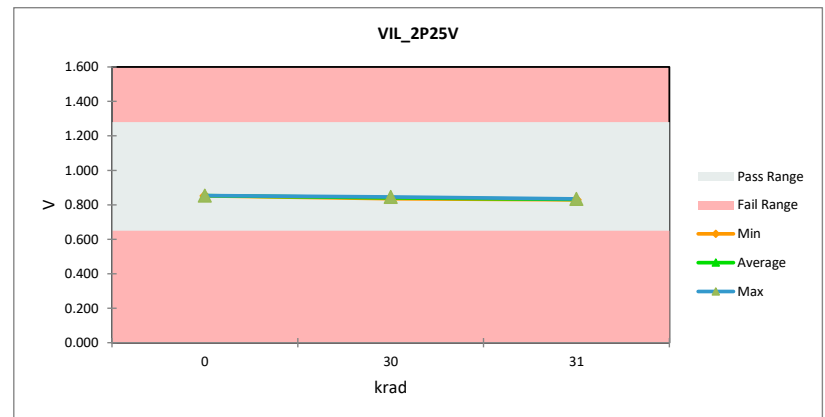
TID Report

SN54SC8T574-SEP

VIL_2P25V						
Units	V					
Max Limit	1.28					
Min Limit	0.65					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.854	0.854	0.00	0.00%	0.00%
0	2	0.849	0.854	0.00	0.48%	0.65%
0	3	0.854	0.854	0.00	0.00%	0.00%
0	4	0.852	0.852	0.00	0.00%	0.00%
30	5	0.852	0.840	-0.01	-1.44%	1.95%
30	6	0.852	0.841	-0.01	-1.28%	1.74%
30	7	0.856	0.844	-0.01	-1.44%	1.95%
30	8	0.856	0.845	-0.01	-1.28%	1.74%
30	9	0.851	0.840	-0.01	-1.29%	1.74%
30	10	0.852	0.836	-0.02	-1.93%	2.60%
31	5a	0.852	0.830	-0.02	-2.57%	3.47%
31	6a	0.852	0.829	-0.02	-2.73%	3.69%
31	7a	0.856	0.834	-0.02	-2.56%	3.47%
31	8a	0.856	0.834	-0.02	-2.56%	3.47%
31	9a	0.851	0.829	-0.02	-2.57%	3.47%
31	10a	0.852	0.830	-0.02	-2.57%	3.47%
Max		0.856	0.854	0.00	0.48%	3.69%
Average		0.853	0.840	-0.01	-1.48%	2.09%
Min		0.849	0.829	-0.02	-2.73%	0.00%
Std Dev		0.002	0.009	0.01	1.10%	1.37%



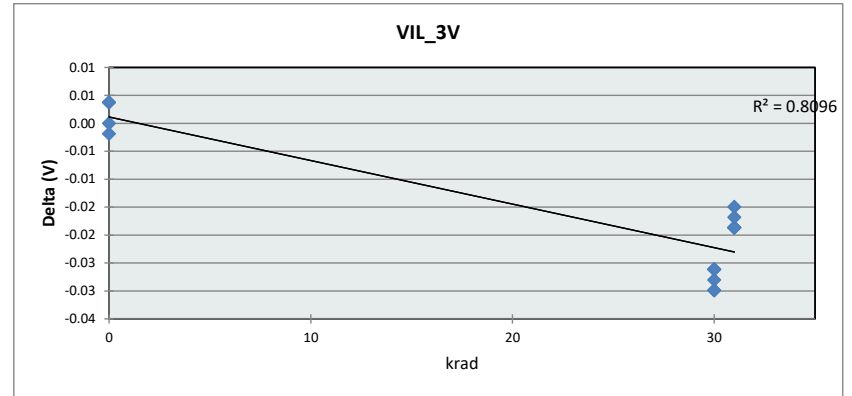
VIL_2P25V			
Units	V		
Max Limit	1.28		
Min Limit	0.65		
krad	0	30	31
LL	0.650	0.650	0.650
Min	0.852	0.836	0.829
Average	0.853	0.841	0.831
Max	0.854	0.845	0.834
UL	1.280	1.280	1.280



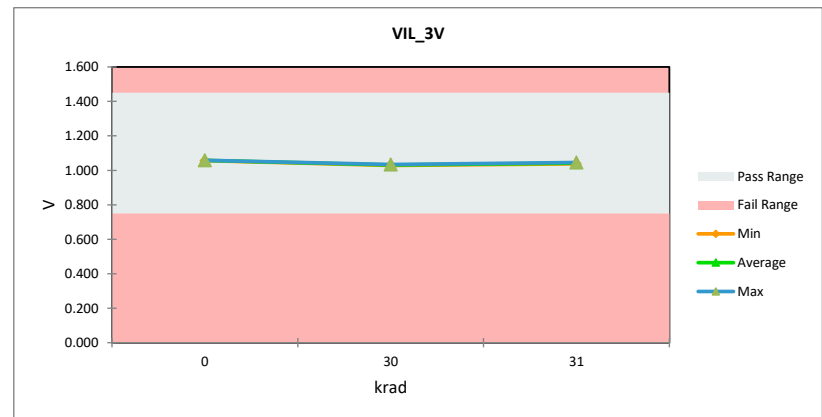
TID Report

SN54SC8T574-SEP

		VIL_3V				
Units		V				
Max Limit		1.45				
Min Limit		0.75				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.055	1.058	0.00	0.35%	0.53%
0	2	1.058	1.056	0.00	-0.18%	0.27%
0	3	1.058	1.058	0.00	0.00%	0.00%
0	4	1.055	1.058	0.00	0.35%	0.53%
30	5	1.056	1.030	-0.03	-2.48%	3.74%
30	6	1.056	1.030	-0.03	-2.48%	3.74%
30	7	1.064	1.034	-0.03	-2.81%	4.27%
30	8	1.062	1.034	-0.03	-2.64%	4.00%
30	9	1.058	1.028	-0.03	-2.82%	4.27%
30	10	1.056	1.030	-0.03	-2.48%	3.74%
31	5a	1.056	1.038	-0.02	-1.77%	2.67%
31	6a	1.056	1.038	-0.02	-1.77%	2.67%
31	7a	1.064	1.045	-0.02	-1.76%	2.67%
31	8a	1.062	1.043	-0.02	-1.76%	2.67%
31	9a	1.058	1.041	-0.02	-1.59%	2.40%
31	10a	1.056	1.041	-0.01	-1.41%	2.13%
Max		1.064	1.058	-0.01	0.35%	4.27%
Average		1.058	1.042	-0.02	-1.58%	2.52%
Min		1.055	1.028	-0.03	-2.82%	0.00%
Std Dev		0.003	0.011	0.01	1.12%	1.47%



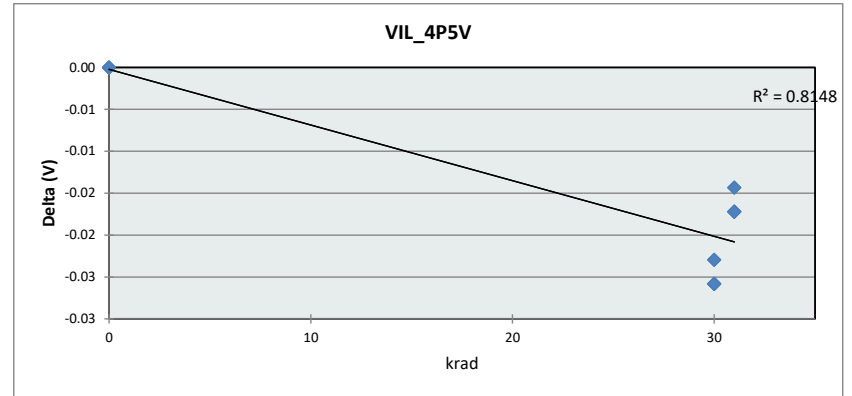
		VIL_3V		
Units		V		
Max Limit		1.45		
Min Limit		0.75		
krad		0	30	31
LL		0.750	0.750	0.750
Min		1.056	1.028	1.038
Average		1.058	1.031	1.041
Max		1.058	1.034	1.045
UL		1.450	1.450	1.450



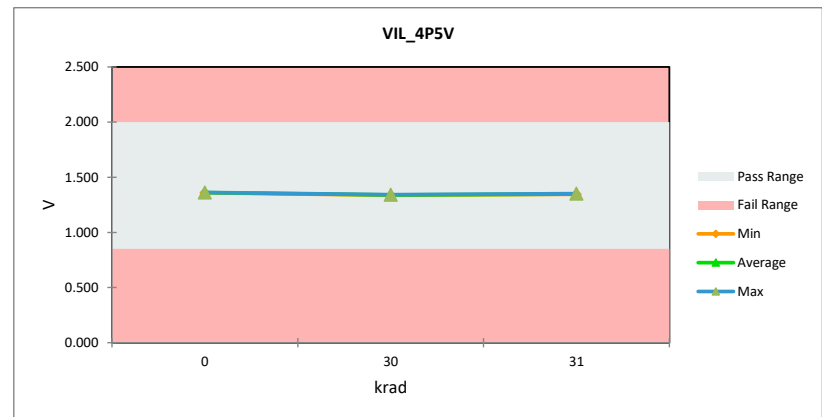
TID Report

SN54SC8T574-SEP

VIL_4P5V						
Units	V					
Max Limit	2					
Min Limit	0.85					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.359	1.359	0.00	0.00%	0.00%
0	2	1.362	1.362	0.00	0.00%	0.00%
0	3	1.362	1.362	0.00	0.00%	0.00%
0	4	1.359	1.359	0.00	0.00%	0.00%
30	5	1.362	1.339	-0.02	-1.68%	2.00%
30	6	1.362	1.336	-0.03	-1.90%	2.24%
30	7	1.368	1.342	-0.03	-1.89%	2.24%
30	8	1.368	1.342	-0.03	-1.89%	2.24%
30	9	1.362	1.339	-0.02	-1.68%	2.00%
30	10	1.365	1.339	-0.03	-1.89%	2.24%
31	5a	1.362	1.348	-0.01	-1.05%	1.25%
31	6a	1.362	1.345	-0.02	-1.26%	1.50%
31	7a	1.368	1.351	-0.02	-1.26%	1.50%
31	8a	1.368	1.351	-0.02	-1.26%	1.50%
31	9a	1.362	1.348	-0.01	-1.05%	1.25%
31	10a	1.365	1.348	-0.02	-1.26%	1.50%
Max		1.368	1.362	-0.01	0.00%	2.24%
Average		1.364	1.348	-0.02	-1.13%	1.34%
Min		1.359	1.336	-0.02	-1.90%	0.00%
Std Dev		0.003	0.009	0.01	0.74%	0.87%



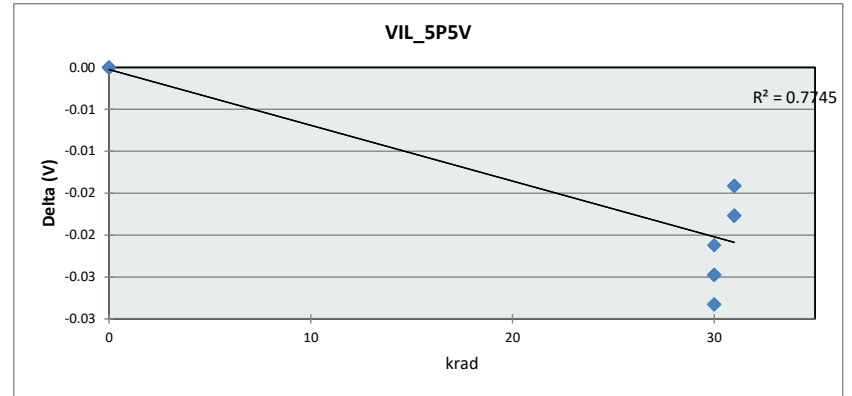
VIL_4P5V			
Units	V		
Max Limit	2		
Min Limit	0.85		
krad	0	30	31
LL	0.850	0.850	0.850
Min	1.359	1.336	1.345
Average	1.361	1.340	1.348
Max	1.362	1.342	1.351
UL	2.000	2.000	2.000



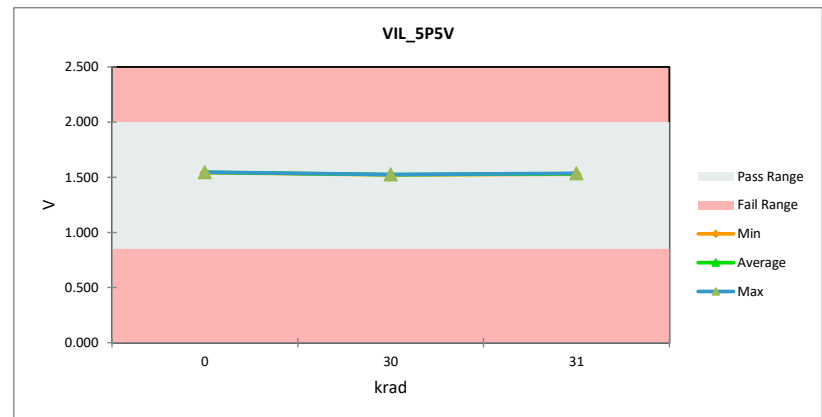
TID Report

SN54SC8T574-SEP

VIL_5P5V						
Units	V					
Max Limit	2					
Min Limit	0.85					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.543	1.543	0.00	0.00%	0.00%
0	2	1.546	1.546	0.00	0.00%	0.00%
0	3	1.546	1.546	0.00	0.00%	0.00%
0	4	1.543	1.543	0.00	0.00%	0.00%
30	5	1.546	1.521	-0.02	-1.60%	2.15%
30	6	1.546	1.521	-0.02	-1.60%	2.15%
30	7	1.553	1.525	-0.03	-1.82%	2.46%
30	8	1.553	1.525	-0.03	-1.82%	2.46%
30	9	1.546	1.521	-0.02	-1.60%	2.15%
30	10	1.546	1.525	-0.02	-1.37%	1.84%
31	5a	1.546	1.532	-0.01	-0.91%	1.23%
31	6a	1.546	1.528	-0.02	-1.14%	1.54%
31	7a	1.553	1.535	-0.02	-1.14%	1.54%
31	8a	1.553	1.535	-0.02	-1.14%	1.54%
31	9a	1.546	1.532	-0.01	-0.91%	1.23%
31	10a	1.546	1.532	-0.01	-0.91%	1.23%
Max	1.553	1.546	-0.01	0.00%	2.46%	
Average	1.547	1.532	-0.02	-1.00%	1.35%	
Min	1.543	1.521	-0.02	-1.82%	0.00%	
Std Dev	0.004	0.009	0.01	0.67%	0.90%	



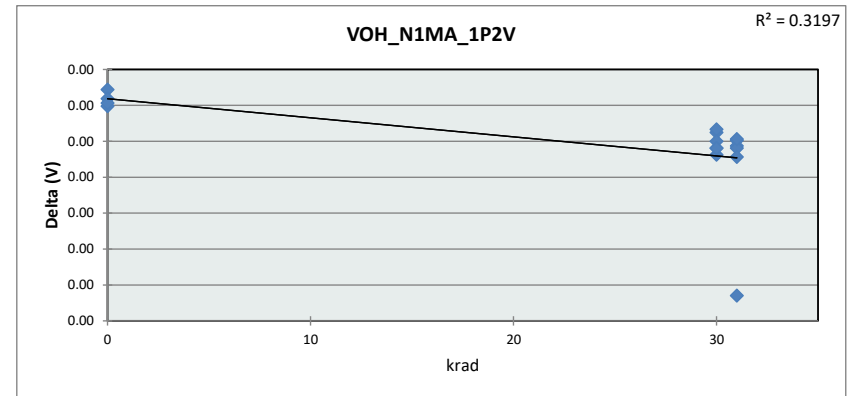
VIL_5P5V			
Units	V		
Max Limit	2		
Min Limit	0.85		
krad	0	30	31
LL	0.850	0.850	0.850
Min	1.543	1.521	1.528
Average	1.544	1.523	1.533
Max	1.546	1.525	1.535
UL	2.000	2.000	2.000



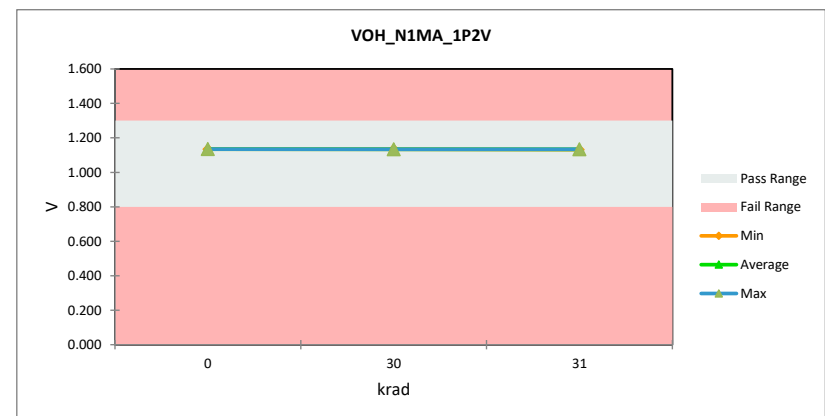
TID Report

SN54SC8T574-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	1.134	1.135	0.00	0.02%	0.04%
0	2	1.134	1.134	0.00	0.01%	0.02%
0	3	1.134	1.134	0.00	0.00%	0.00%
0	4	1.134	1.134	0.00	0.00%	0.01%
30	5	1.134	1.134	0.00	-0.03%	0.08%
30	6	1.134	1.134	0.00	-0.03%	0.07%
30	7	1.134	1.134	0.00	-0.04%	0.10%
30	8	1.134	1.134	0.00	-0.06%	0.14%
30	9	1.134	1.134	0.00	-0.05%	0.12%
30	10	1.134	1.134	0.00	-0.05%	0.12%
31	5a	1.134	1.134	0.00	-0.05%	0.11%
31	6a	1.134	1.134	0.00	-0.04%	0.10%
31	7a	1.134	1.132	0.00	-0.23%	0.53%
31	8a	1.134	1.134	0.00	-0.05%	0.12%
31	9a	1.134	1.134	0.00	-0.06%	0.14%
31	10a	1.134	1.134	0.00	-0.04%	0.09%
Max		1.134	1.135	0.00	0.02%	0.53%
Average		1.134	1.134	0.00	-0.05%	0.11%
Min		1.134	1.132	0.00	-0.23%	0.00%
Std Dev		0.000	0.001	0.00	0.06%	0.12%



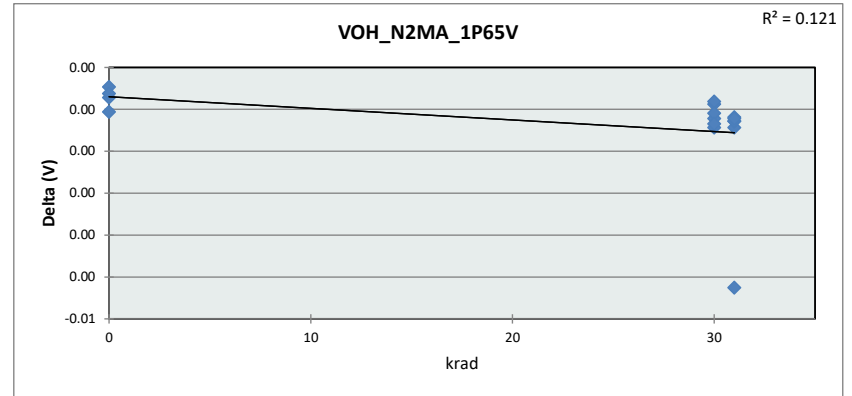
VOH_N1MA_1P2V			
Units		V	
Max Limit		1.3	
Min Limit		0.8	
krad	0	30	31
LL	0.800	0.800	0.800
Min	1.134	1.134	1.132
Average	1.134	1.134	1.133
Max	1.135	1.134	1.134
UL	1.300	1.300	1.300



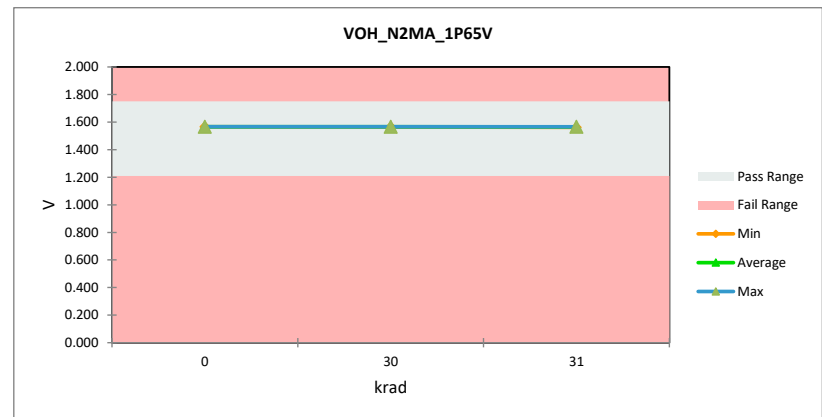
TID Report

SN54SC8T574-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	1.566	1.567	0.00	0.03%	0.10%
0	2	1.566	1.566	0.00	0.02%	0.05%
0	3	1.566	1.566	0.00	0.00%	0.01%
0	4	1.566	1.566	0.00	0.02%	0.07%
30	5	1.566	1.566	0.00	0.01%	0.02%
30	6	1.566	1.566	0.00	0.01%	0.03%
30	7	1.566	1.566	0.00	-0.01%	0.04%
30	8	1.566	1.566	0.00	-0.01%	0.02%
30	9	1.566	1.566	0.00	-0.03%	0.08%
30	10	1.566	1.566	0.00	-0.02%	0.06%
31	5a	1.566	1.566	0.00	-0.03%	0.08%
31	6a	1.566	1.566	0.00	-0.02%	0.05%
31	7a	1.566	1.562	0.00	-0.27%	0.79%
31	8a	1.566	1.566	0.00	-0.01%	0.03%
31	9a	1.566	1.566	0.00	-0.02%	0.05%
31	10a	1.566	1.566	0.00	-0.01%	0.04%
Max	1.566	1.567	0.00	0.03%	0.79%	
Average	1.566	1.566	0.00	-0.02%	0.10%	
Min	1.566	1.562	0.00	-0.27%	0.01%	
Std Dev	0.000	0.001	0.00	0.07%	0.19%	



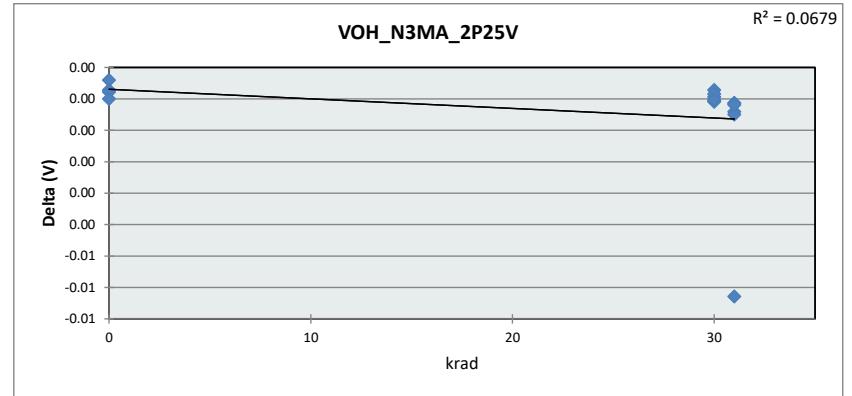
VOH_N2MA_1P65V			
Units	V		
Max Limit	1.75		
Min Limit	1.21		
krad	0	30	31
LL	1.210	1.210	1.210
Min	1.566	1.566	1.562
Average	1.566	1.566	1.565
Max	1.567	1.566	1.566
UL	1.750	1.750	1.750



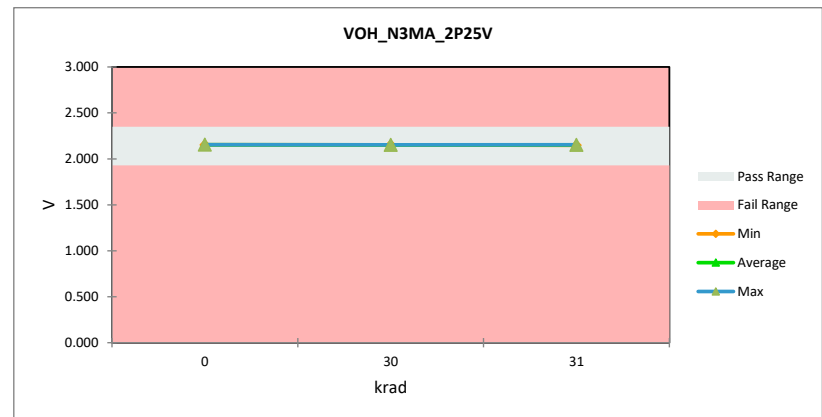
TID Report

SN54SC8T574-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	2.153	2.154	0.00	0.03%	0.14%
0	2	2.153	2.154	0.00	0.01%	0.07%
0	3	2.153	2.154	0.00	0.01%	0.05%
0	4	2.154	2.154	0.00	0.00%	0.00%
30	5	2.153	2.154	0.00	0.01%	0.07%
30	6	2.154	2.154	0.00	0.00%	0.01%
30	7	2.153	2.153	0.00	0.01%	0.04%
30	8	2.153	2.153	0.00	0.00%	0.01%
30	9	2.153	2.153	0.00	0.00%	0.02%
30	10	2.153	2.153	0.00	0.00%	0.01%
31	5a	2.153	2.153	0.00	-0.02%	0.10%
31	6a	2.154	2.153	0.00	-0.02%	0.12%
31	7a	2.153	2.147	-0.01	-0.29%	1.50%
31	8a	2.153	2.153	0.00	-0.01%	0.03%
31	9a	2.153	2.153	0.00	-0.01%	0.04%
31	10a	2.153	2.153	0.00	-0.01%	0.04%
Max	2.154	2.154	0.00	0.03%	1.50%	
Average	2.153	2.153	0.00	-0.02%	0.14%	
Min	2.153	2.147	-0.01	-0.29%	0.00%	
Std Dev	0.000	0.002	0.00	0.07%	0.36%	



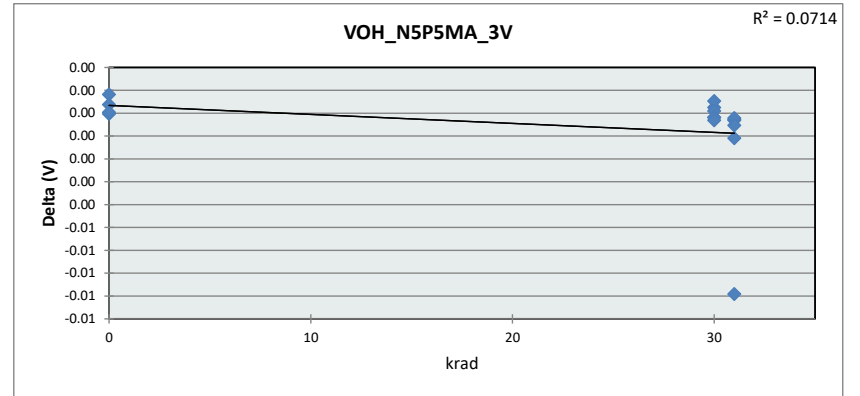
VOH_N3MA_2P25V			
Units	V		
Max Limit	2.35		
Min Limit	1.93		
krad	0	30	31
LL	1.930	1.930	1.930
Min	2.154	2.153	2.147
Average	2.154	2.153	2.152
Max	2.154	2.154	2.153
UL	2.350	2.350	2.350



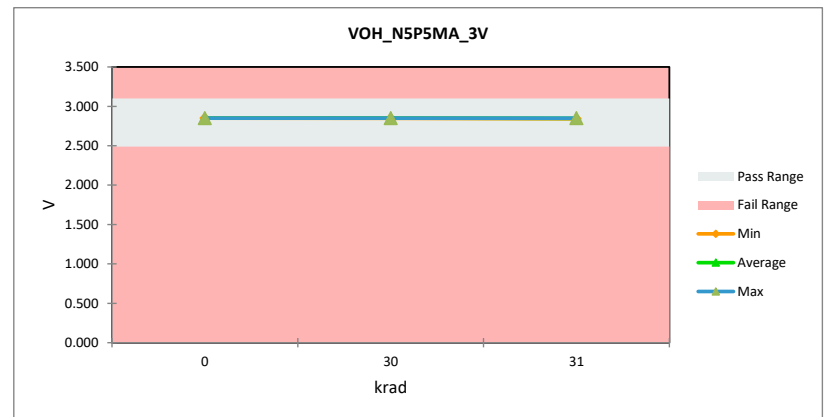
TID Report

SN54SC8T574-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	2.850	2.851	0.00	0.03%	0.13%
0	2	2.849	2.850	0.00	0.01%	0.06%
0	3	2.850	2.850	0.00	0.00%	0.01%
0	4	2.850	2.850	0.00	0.00%	0.01%
30	5	2.850	2.850	0.00	0.01%	0.04%
30	6	2.850	2.850	0.00	0.02%	0.09%
30	7	2.850	2.850	0.00	0.00%	0.02%
30	8	2.850	2.850	0.00	-0.01%	0.03%
30	9	2.850	2.849	0.00	-0.01%	0.03%
30	10	2.849	2.849	0.00	-0.01%	0.05%
31	5a	2.850	2.848	0.00	-0.04%	0.18%
31	6a	2.850	2.849	0.00	-0.01%	0.05%
31	7a	2.850	2.842	-0.01	-0.28%	1.30%
31	8a	2.850	2.849	0.00	-0.01%	0.05%
31	9a	2.850	2.849	0.00	-0.01%	0.04%
31	10a	2.849	2.849	0.00	-0.02%	0.09%
Max		2.850	2.851	0.00	0.03%	1.30%
Average		2.850	2.849	0.00	-0.02%	0.13%
Min		2.849	2.842	-0.01	-0.28%	0.01%
Std Dev		0.000	0.002	0.00	0.07%	0.31%



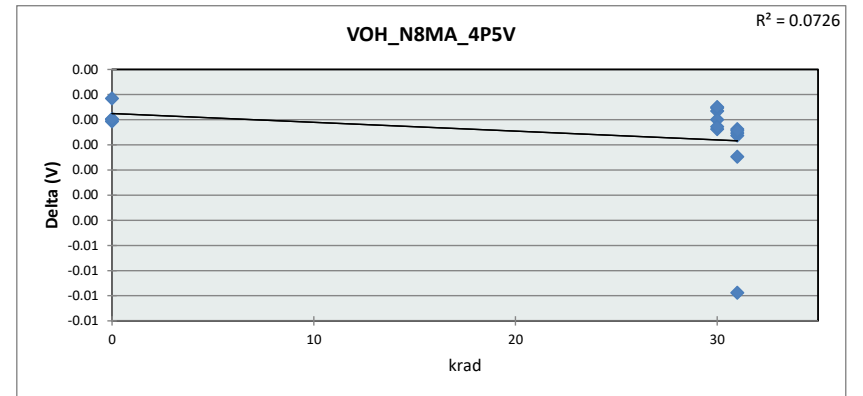
VOH_N5P5MA_3V			
Units		V	
Max Limit		3.1	
Min Limit		2.49	
krad	0	30	31
LL	2.490	2.490	2.490
Min	2.850	2.849	2.842
Average	2.850	2.850	2.848
Max	2.851	2.850	2.849
UL	3.100	3.100	3.100



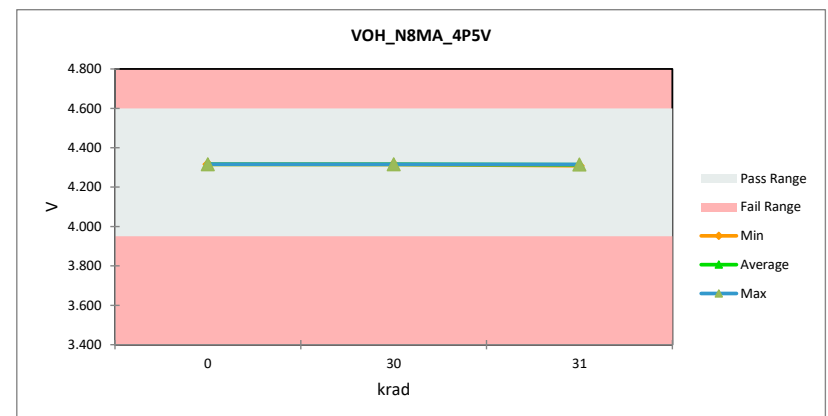
TID Report

SN54SC8T574-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	4.316	4.316	0.00	0.02%	0.13%
0	2	4.316	4.316	0.00	0.00%	0.01%
0	3	4.316	4.316	0.00	0.00%	0.00%
0	4	4.316	4.316	0.00	0.00%	0.00%
30	5	4.316	4.316	0.00	0.01%	0.05%
30	6	4.316	4.316	0.00	0.01%	0.07%
30	7	4.315	4.316	0.00	0.01%	0.08%
30	8	4.316	4.316	0.00	0.00%	0.00%
30	9	4.316	4.315	0.00	-0.01%	0.06%
30	10	4.315	4.315	0.00	-0.01%	0.04%
31	5a	4.316	4.314	0.00	-0.03%	0.23%
31	6a	4.316	4.315	0.00	-0.01%	0.10%
31	7a	4.315	4.308	-0.01	-0.16%	1.06%
31	8a	4.316	4.315	0.00	-0.01%	0.06%
31	9a	4.316	4.315	0.00	-0.01%	0.08%
31	10a	4.315	4.315	0.00	-0.01%	0.07%
Max	4.316	4.316	0.00	0.02%	1.06%	
Average	4.316	4.315	0.00	-0.01%	0.13%	
Min	4.315	4.308	-0.01	-0.16%	0.00%	
Std Dev	0.000	0.002	0.00	0.04%	0.25%	



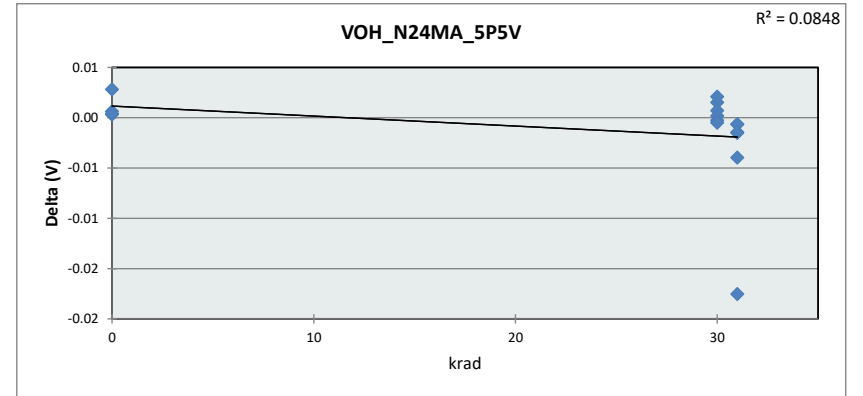
VOH_N8MA_4P5V			
Units	V		
Max Limit	4.6		
Min Limit	3.95		
krad	0	30	31
LL	3.950	3.950	3.950
Min	4.316	4.315	4.308
Average	4.316	4.316	4.314
Max	4.316	4.316	4.315
UL	4.600	4.600	4.600



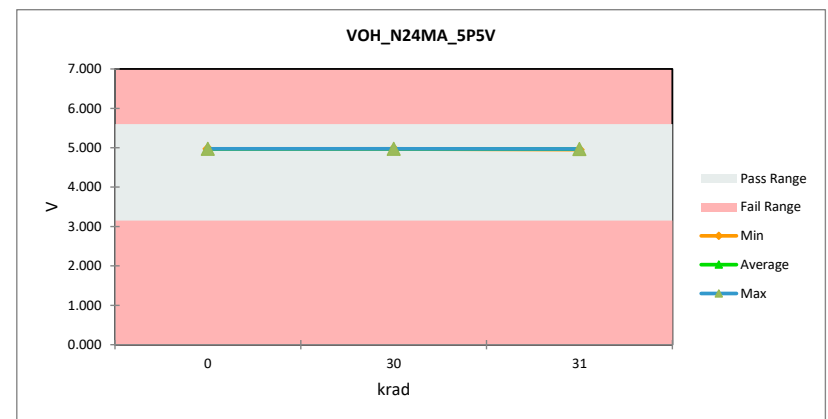
TID Report

SN54SC8T574-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	4.970	4.972	0.00	0.06%	0.11%
0	2	4.969	4.970	0.00	0.01%	0.03%
0	3	4.970	4.971	0.00	0.01%	0.01%
0	4	4.970	4.971	0.00	0.01%	0.02%
30	5	4.969	4.971	0.00	0.03%	0.06%
30	6	4.970	4.972	0.00	0.04%	0.09%
30	7	4.969	4.970	0.00	0.01%	0.03%
30	8	4.969	4.970	0.00	0.00%	0.01%
30	9	4.969	4.969	0.00	-0.01%	0.01%
30	10	4.969	4.969	0.00	-0.01%	0.02%
31	5a	4.969	4.965	0.00	-0.08%	0.16%
31	6a	4.970	4.968	0.00	-0.03%	0.06%
31	7a	4.969	4.951	-0.02	-0.35%	0.72%
31	8a	4.969	4.969	0.00	-0.01%	0.03%
31	9a	4.969	4.969	0.00	-0.01%	0.03%
31	10a	4.969	4.968	0.00	-0.03%	0.06%
Max	4.970	4.972	0.00	0.06%	0.72%	
Average	4.969	4.968	0.00	-0.02%	0.09%	
Min	4.969	4.951	-0.02	-0.35%	0.01%	
Std Dev	0.000	0.005	0.00	0.09%	0.17%	



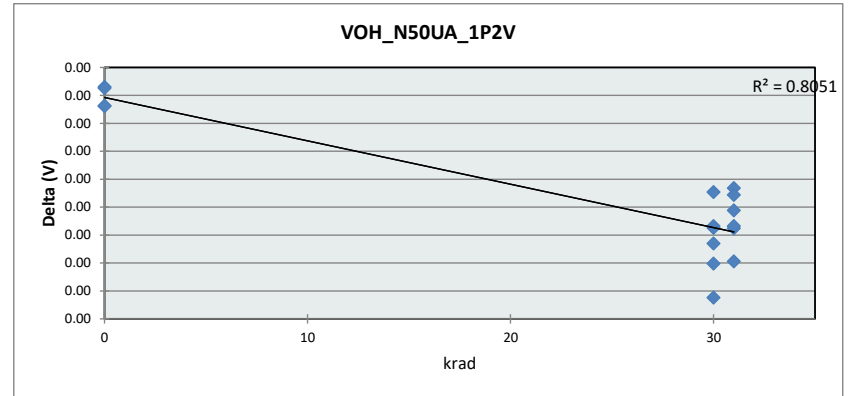
VOH_N24MA_5P5V			
Units	V		
Max Limit	5.6		
Min Limit	3.15		
krad	0	30	31
LL	3.150	3.150	3.150
Min	4.970	4.969	4.951
Average	4.971	4.970	4.965
Max	4.972	4.972	4.969
UL	5.600	5.600	5.600



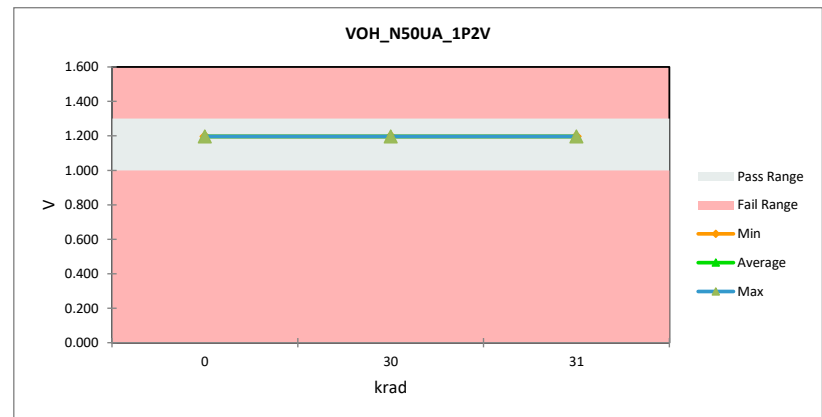
TID Report

SN54SC8T574-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	0.00%	0.01%
0	2	1.197	1.197	0.00	0.00%	0.01%
0	3	1.197	1.197	0.00	0.01%	0.02%
0	4	1.197	1.197	0.00	0.01%	0.02%
30	5	1.197	1.197	0.00	-0.02%	0.08%
30	6	1.197	1.196	0.00	-0.03%	0.10%
30	7	1.197	1.197	0.00	-0.02%	0.06%
30	8	1.197	1.197	0.00	-0.02%	0.06%
30	9	1.197	1.197	0.00	-0.02%	0.07%
30	10	1.197	1.197	0.00	-0.01%	0.04%
31	5a	1.197	1.197	0.00	-0.02%	0.06%
31	6a	1.197	1.197	0.00	-0.01%	0.04%
31	7a	1.197	1.197	0.00	-0.02%	0.08%
31	8a	1.197	1.197	0.00	-0.01%	0.04%
31	9a	1.197	1.197	0.00	-0.02%	0.06%
31	10a	1.197	1.197	0.00	-0.01%	0.05%
Max	1.197	1.197	0.00	0.01%	0.10%	
Average	1.197	1.197	0.00	-0.01%	0.05%	
Min	1.197	1.196	0.00	-0.03%	0.01%	
Std Dev	0.000	0.000	0.00	0.01%	0.03%	



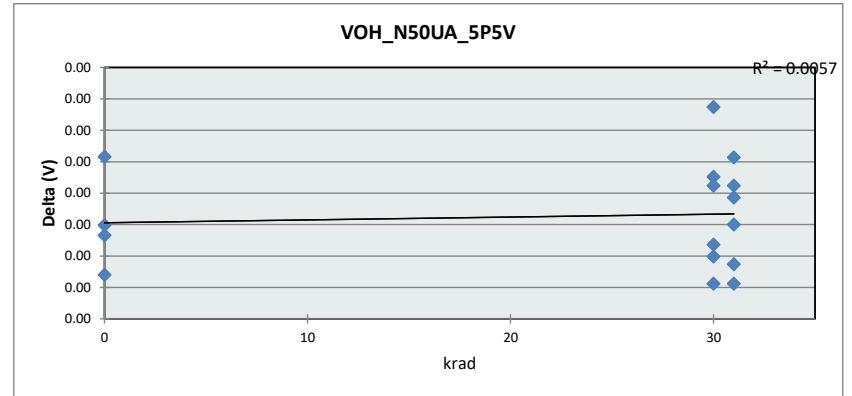
VOH_N50UA_1P2V			
Units	V		
Max Limit	1.3		
Min Limit	1		
krad	0	30	31
LL	1.000	1.000	1.000
Min	1.197	1.196	1.197
Average	1.197	1.197	1.197
Max	1.197	1.197	1.197
UL	1.300	1.300	1.300



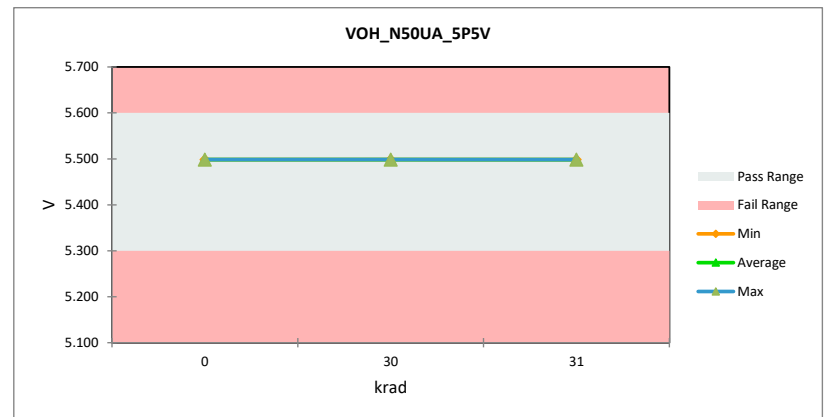
TID Report

SN54SC8T574-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	5.498	0.00	0.00%	0.08%
0	2	5.499	5.498	0.00	0.00%	0.05%
0	3	5.499	5.498	0.00	-0.01%	0.11%
0	4	5.499	5.498	0.00	0.00%	0.09%
30	5	5.499	5.498	0.00	-0.01%	0.10%
30	6	5.499	5.498	0.00	0.00%	0.06%
30	7	5.499	5.499	0.00	0.00%	0.02%
30	8	5.499	5.498	0.00	-0.01%	0.09%
30	9	5.499	5.498	0.00	-0.01%	0.11%
30	10	5.499	5.498	0.00	0.00%	0.06%
31	5a	5.499	5.498	0.00	0.00%	0.07%
31	6a	5.499	5.498	0.00	0.00%	0.08%
31	7a	5.499	5.498	0.00	0.00%	0.05%
31	8a	5.499	5.498	0.00	-0.01%	0.11%
31	9a	5.499	5.498	0.00	-0.01%	0.10%
31	10a	5.499	5.498	0.00	0.00%	0.06%
Max	5.499	5.499	0.00	0.00%	0.11%	
Average	5.499	5.498	0.00	0.00%	0.08%	
Min	5.499	5.498	0.00	-0.01%	0.02%	
Std Dev	0.000	0.000	0.00	0.00%	0.03%	



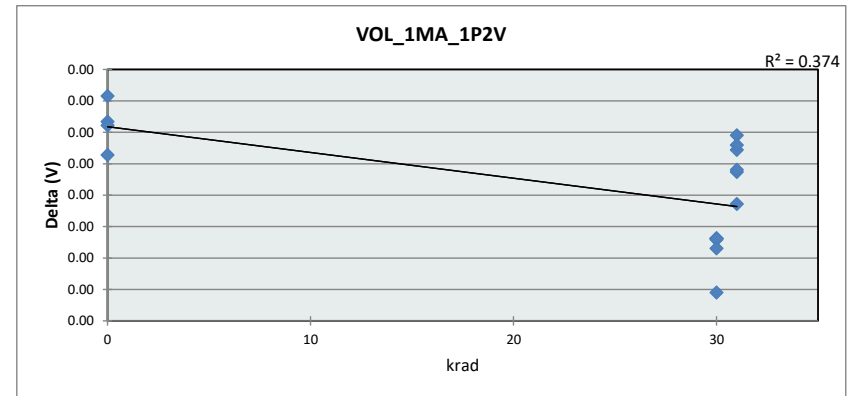
VOH_N50UA_5P5V			
Units	V		
Max Limit	5.6		
Min Limit	5.3		
krad	0	30	31
LL	5.300	5.300	5.300
Min	5.498	5.498	5.498
Average	5.498	5.498	5.498
Max	5.498	5.499	5.498
UL	5.600	5.600	5.600



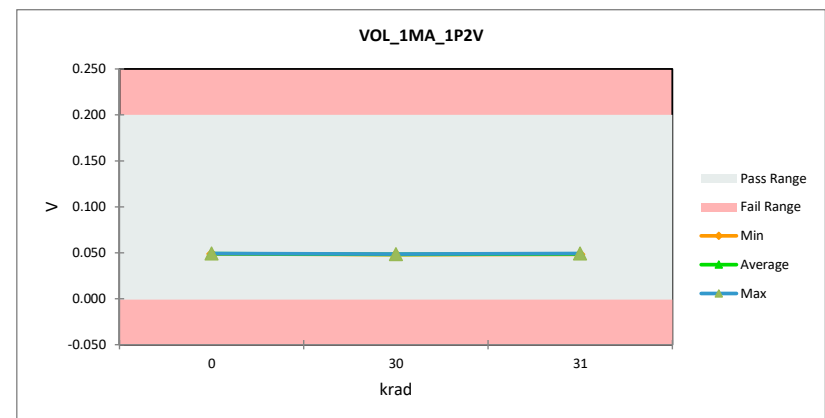
TID Report

SN54SC8T574-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	0.049	0.049	0.00	-0.70%	0.17%
0	2	0.049	0.049	0.00	0.06%	0.02%
0	3	0.049	0.049	0.00	-0.27%	0.07%
0	4	0.049	0.049	0.00	-0.32%	0.08%
30	5	0.049	0.048	0.00	-1.79%	0.44%
30	6	0.049	0.048	0.00	-2.48%	0.61%
30	7	0.049	0.049	0.00	-1.77%	0.44%
30	8	0.049	0.048	0.00	-1.79%	0.44%
30	9	0.049	0.048	0.00	-1.79%	0.44%
30	10	0.049	0.048	0.00	-1.91%	0.47%
31	5a	0.049	0.049	0.00	-0.92%	0.23%
31	6a	0.049	0.049	0.00	-1.33%	0.33%
31	7a	0.049	0.049	0.00	-0.63%	0.16%
31	8a	0.049	0.048	0.00	-0.90%	0.22%
31	9a	0.049	0.049	0.00	-0.45%	0.11%
31	10a	0.049	0.049	0.00	-0.57%	0.14%
Max	0.049	0.049	0.00	0.06%	0.61%	
Average	0.049	0.049	0.00	-1.10%	0.27%	
Min	0.049	0.048	0.00	-2.48%	0.02%	
Std Dev	0.000	0.000	0.00	0.74%	0.18%	



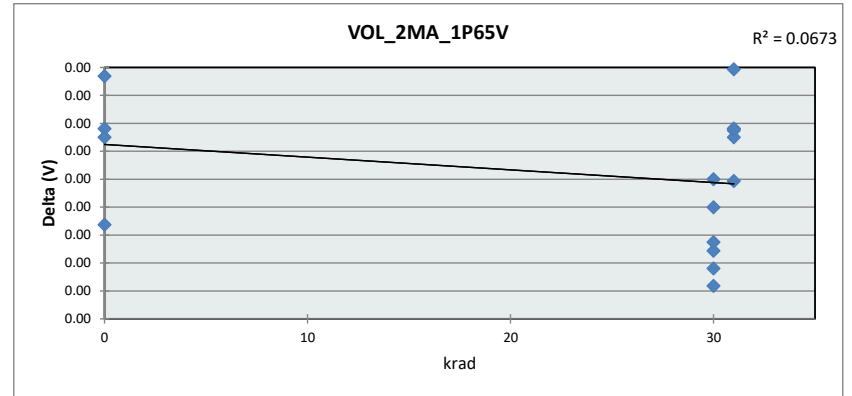
VOL_1MA_1P2V			
Units	V		
Max Limit	0.2		
Min Limit	-0.001		
krad	0	30	31
LL	-0.001	-0.001	-0.001
Min	0.049	0.048	0.048
Average	0.049	0.048	0.049
Max	0.049	0.049	0.049
UL	0.200	0.200	0.200



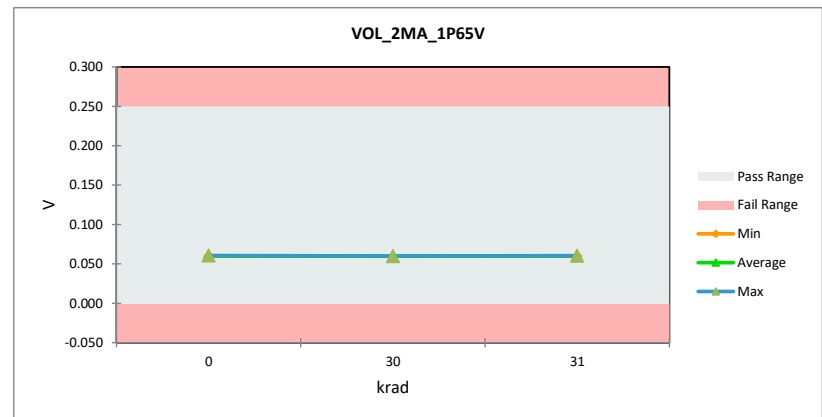
TID Report

SN54SC8T574-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	0.060	0.060	0.00	-0.93%	0.22%
0	2	0.060	0.060	0.00	-0.36%	0.09%
0	3	0.061	0.061	0.00	-0.05%	0.01%
0	4	0.060	0.060	0.00	-0.41%	0.10%
30	5	0.060	0.060	0.00	-0.66%	0.16%
30	6	0.061	0.060	0.00	-1.08%	0.26%
30	7	0.061	0.060	0.00	-1.29%	0.31%
30	8	0.060	0.060	0.00	-0.83%	0.20%
30	9	0.060	0.060	0.00	-1.03%	0.25%
30	10	0.061	0.060	0.00	-1.19%	0.29%
31	5a	0.060	0.060	0.00	-0.01%	0.00%
31	6a	0.061	0.060	0.00	-0.37%	0.09%
31	7a	0.061	0.060	0.00	-0.41%	0.10%
31	8a	0.060	0.060	0.00	-0.67%	0.16%
31	9a	0.060	0.060	0.00	-0.36%	0.09%
31	10a	0.061	0.060	0.00	-0.36%	0.09%
Max	0.061	0.061	0.00	-0.01%	0.31%	
Average	0.060	0.060	0.00	-0.63%	0.15%	
Min	0.060	0.060	0.00	-1.29%	0.00%	
Std Dev	0.000	0.000	0.00	0.40%	0.10%	



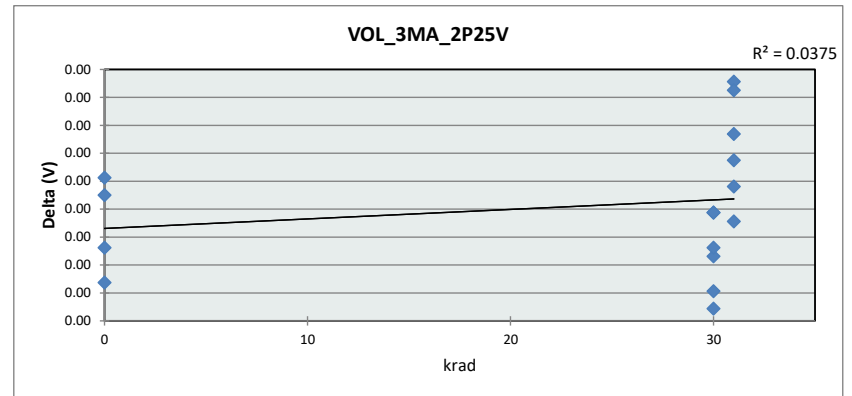
VOL_2MA_1P65V			
Units	V		
Max Limit	0.25		
Min Limit	-0.001		
krad	0	30	31
LL	-0.001	-0.001	-0.001
Min	0.060	0.060	0.060
Average	0.060	0.060	0.060
Max	0.061	0.060	0.060
UL	0.250	0.250	0.250



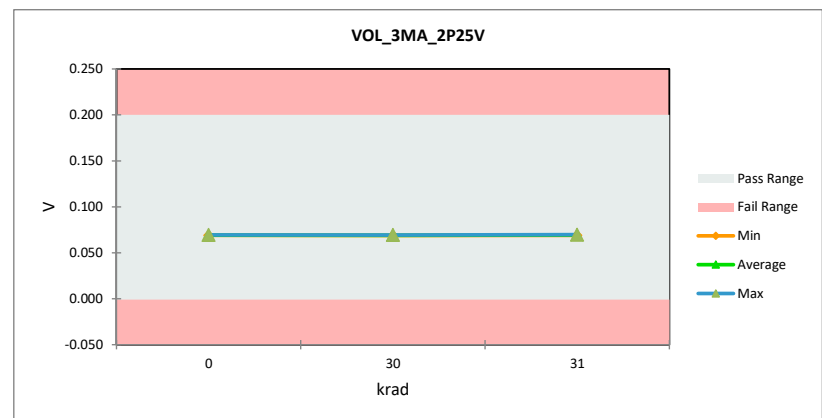
TID Report

SN54SC8T574-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	0.069	0.00	-0.81%	0.28%
0	2	0.070	0.069	0.00	-0.36%	0.12%
0	3	0.069	0.069	0.00	-0.27%	0.09%
0	4	0.069	0.069	0.00	-0.63%	0.22%
30	5	0.070	0.069	0.00	-0.67%	0.23%
30	6	0.069	0.069	0.00	-0.86%	0.30%
30	7	0.070	0.069	0.00	-0.94%	0.33%
30	8	0.069	0.069	0.00	-0.63%	0.22%
30	9	0.069	0.069	0.00	-0.45%	0.16%
30	10	0.069	0.069	0.00	-0.45%	0.16%
31	5a	0.070	0.070	0.00	-0.04%	0.02%
31	6a	0.069	0.070	0.00	0.23%	0.08%
31	7a	0.070	0.069	0.00	-0.18%	0.06%
31	8a	0.069	0.069	0.00	-0.50%	0.17%
31	9a	0.069	0.069	0.00	-0.32%	0.11%
31	10a	0.069	0.069	0.00	0.18%	0.06%
Max		0.070	0.070	0.00	0.23%	0.33%
Average		0.069	0.069	0.00	-0.42%	0.16%
Min		0.069	0.069	0.00	-0.94%	0.02%
Std Dev		0.000	0.000	0.00	0.35%	0.09%



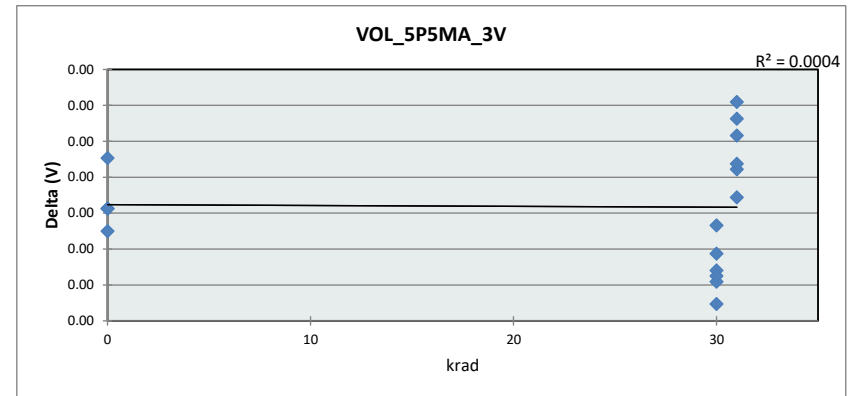
VOL_3MA_2P25V			
Units	V		
Max Limit	0.2		
Min Limit	-0.001		
krad	0	30	31
LL	-0.001	-0.001	-0.001
Min	0.069	0.069	0.069
Average	0.069	0.069	0.069
Max	0.069	0.069	0.070
UL	0.200	0.200	0.200



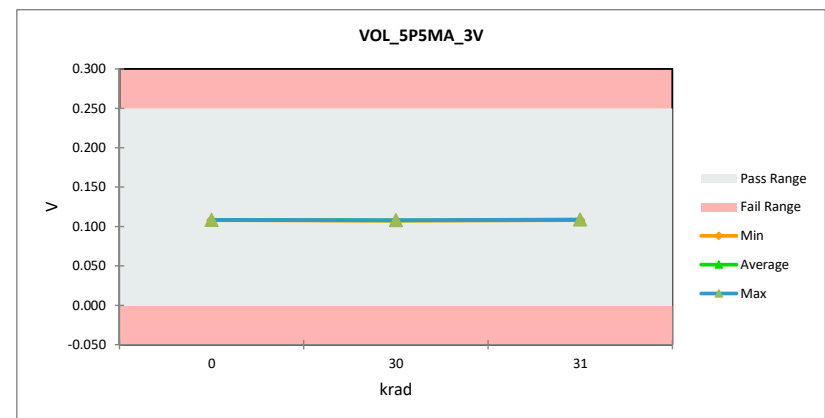
TID Report

SN54SC8T574-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	0.108	0.108	0.00	-0.35%	0.15%
0	2	0.109	0.108	0.00	-0.09%	0.04%
0	3	0.109	0.108	0.00	-0.34%	0.15%
0	4	0.109	0.108	0.00	-0.46%	0.20%
30	5	0.109	0.108	0.00	-0.66%	0.29%
30	6	0.108	0.108	0.00	-0.72%	0.31%
30	7	0.108	0.108	0.00	-0.58%	0.25%
30	8	0.108	0.107	0.00	-0.84%	0.36%
30	9	0.109	0.108	0.00	-0.69%	0.30%
30	10	0.108	0.108	0.00	-0.43%	0.19%
31	5a	0.109	0.109	0.00	0.20%	0.09%
31	6a	0.108	0.109	0.00	0.12%	0.05%
31	7a	0.108	0.108	0.00	-0.14%	0.06%
31	8a	0.108	0.108	0.00	-0.12%	0.05%
31	9a	0.109	0.108	0.00	-0.29%	0.12%
31	10a	0.108	0.108	0.00	0.03%	0.01%
Max	0.109	0.109	0.00	0.20%	0.36%	
Average	0.109	0.108	0.00	-0.33%	0.16%	
Min	0.108	0.107	0.00	-0.84%	0.01%	
Std Dev	0.000	0.000	0.00	0.32%	0.11%	



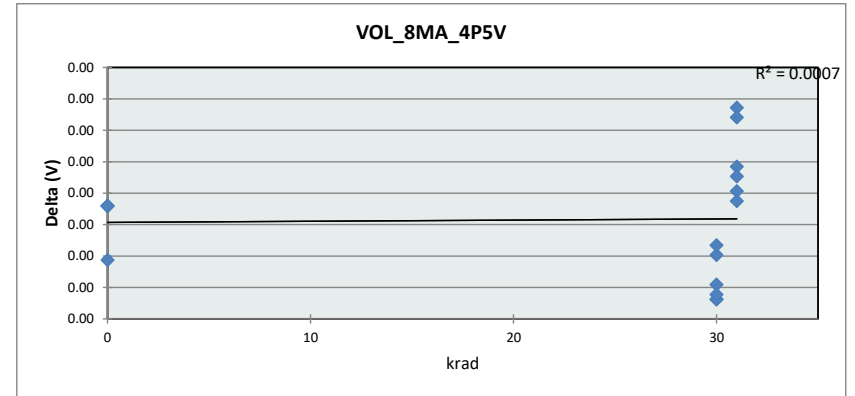
VOL_5P5MA_3V			
Units	V		
Max Limit	0.25		
Min Limit	-0.001		
krad	0	30	31
LL	-0.001	-0.001	-0.001
Min	0.108	0.107	0.108
Average	0.108	0.108	0.108
Max	0.108	0.108	0.109
UL	0.250	0.250	0.250



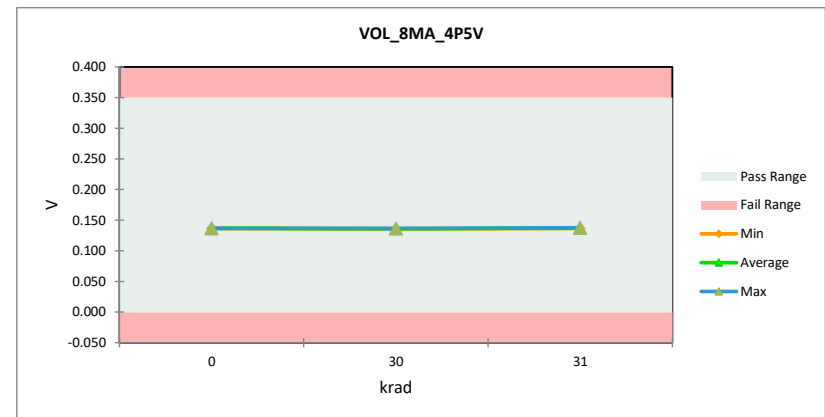
TID Report

SN54SC8T574-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	0.137	0.136	0.00	-0.46%	0.18%
0	2	0.137	0.137	0.00	-0.21%	0.08%
0	3	0.137	0.137	0.00	-0.21%	0.08%
0	4	0.137	0.136	0.00	-0.21%	0.08%
30	5	0.137	0.136	0.00	-0.43%	0.17%
30	6	0.137	0.136	0.00	-0.57%	0.22%
30	7	0.137	0.136	0.00	-0.64%	0.25%
30	8	0.137	0.136	0.00	-0.64%	0.25%
30	9	0.137	0.136	0.00	-0.62%	0.24%
30	10	0.137	0.136	0.00	-0.39%	0.15%
31	5a	0.137	0.137	0.00	0.25%	0.10%
31	6a	0.137	0.137	0.00	-0.02%	0.01%
31	7a	0.137	0.137	0.00	-0.14%	0.05%
31	8a	0.137	0.137	0.00	-0.07%	0.03%
31	9a	0.137	0.137	0.00	-0.18%	0.07%
31	10a	0.137	0.137	0.00	0.21%	0.08%
Max	0.137	0.137	0.00	0.25%	0.25%	
Average	0.137	0.137	0.00	-0.27%	0.13%	
Min	0.137	0.136	0.00	-0.64%	0.01%	
Std Dev	0.000	0.000	0.00	0.28%	0.08%	



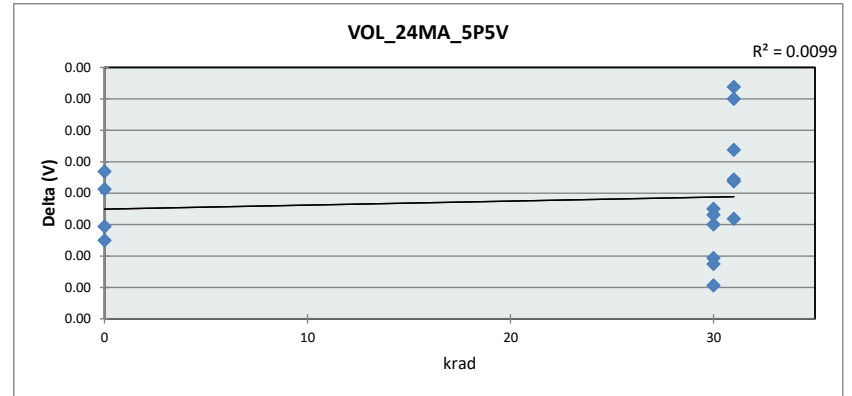
VOL_8MA_4P5V			
Units	V		
Max Limit	0.35		
Min Limit	-0.001		
krad	0	30	31
LL	-0.001	-0.001	-0.001
Min	0.136	0.136	0.137
Average	0.137	0.136	0.137
Max	0.137	0.136	0.137
UL	0.350	0.350	0.350



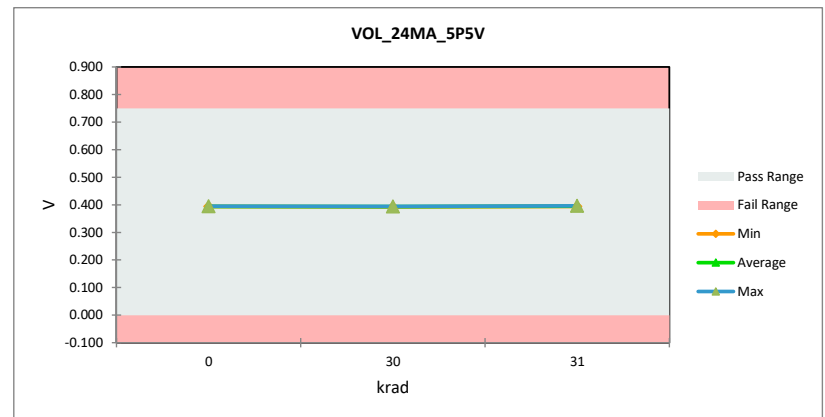
TID Report

SN54SC8T574-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	0.395	0.394	0.00	-0.32%	0.17%
0	2	0.395	0.395	0.00	-0.04%	0.02%
0	3	0.395	0.395	0.00	-0.11%	0.06%
0	4	0.395	0.394	0.00	-0.26%	0.14%
30	5	0.395	0.394	0.00	-0.19%	0.10%
30	6	0.395	0.393	0.00	-0.50%	0.26%
30	7	0.395	0.394	0.00	-0.25%	0.13%
30	8	0.394	0.392	0.00	-0.39%	0.20%
30	9	0.396	0.394	0.00	-0.41%	0.22%
30	10	0.395	0.394	0.00	-0.21%	0.11%
31	5a	0.395	0.396	0.00	0.30%	0.16%
31	6a	0.395	0.395	0.00	0.05%	0.02%
31	7a	0.395	0.394	0.00	-0.08%	0.04%
31	8a	0.394	0.394	0.00	-0.07%	0.04%
31	9a	0.396	0.395	0.00	-0.23%	0.12%
31	10a	0.395	0.396	0.00	0.25%	0.13%
Max		0.396	0.396	0.00	0.30%	0.26%
Average		0.395	0.394	0.00	-0.15%	0.12%
Min		0.394	0.392	0.00	-0.50%	0.02%
Std Dev		0.000	0.001	0.00	0.22%	0.07%



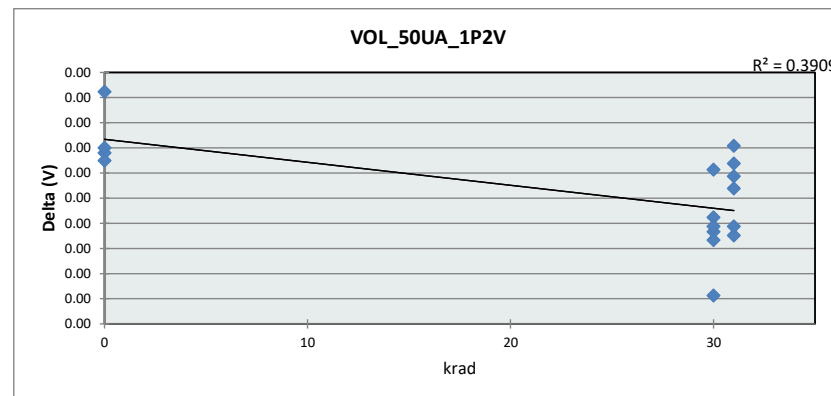
VOL_24MA_5P5V			
Units	V		
Max Limit	0.75		
Min Limit	-0.001		
krad	0	30	31
LL	-0.001	-0.001	-0.001
Min	0.394	0.392	0.394
Average	0.394	0.394	0.395
Max	0.395	0.394	0.396
UL	0.750	0.750	0.750



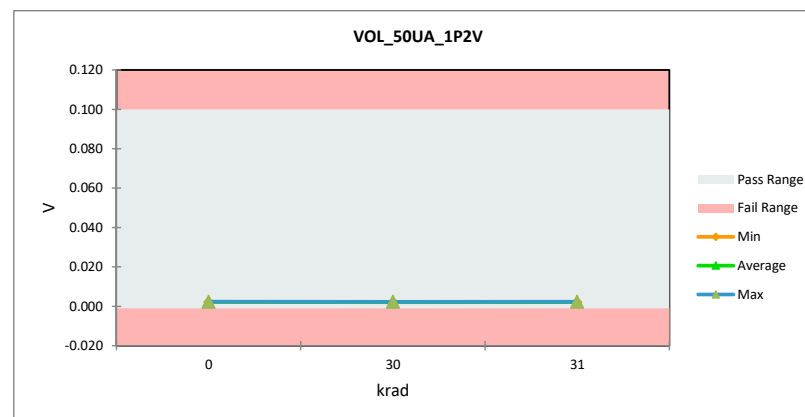
TID Report

SN54SC8T574-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	-0.42%	0.01%
0	2	0.002	0.002	0.00	-1.07%	0.03%
0	3	0.002	0.002	0.00	0.00%	0.00%
0	4	0.002	0.002	0.00	5.14%	0.11%
30	5	0.002	0.002	0.00	-1.87%	0.04%
30	6	0.002	0.002	0.00	-12.49%	0.29%
30	7	0.002	0.002	0.00	-5.93%	0.14%
30	8	0.002	0.002	0.00	-7.05%	0.16%
30	9	0.002	0.002	0.00	-7.99%	0.18%
30	10	0.002	0.002	0.00	-6.70%	0.15%
31	5a	0.002	0.002	0.00	-7.52%	0.17%
31	6a	0.002	0.002	0.00	-3.43%	0.08%
31	7a	0.002	0.002	0.00	-2.43%	0.06%
31	8a	0.002	0.002	0.00	-6.62%	0.15%
31	9a	0.002	0.002	0.00	0.18%	0.00%
31	10a	0.002	0.002	0.00	-1.34%	0.03%
Max	0.002	0.002	0.00	5.14%	0.29%	
Average	0.002	0.002	0.00	-3.72%	0.10%	
Min	0.002	0.002	0.00	-12.49%	0.00%	
Std Dev	0.000	0.000	0.00	4.31%	0.08%	

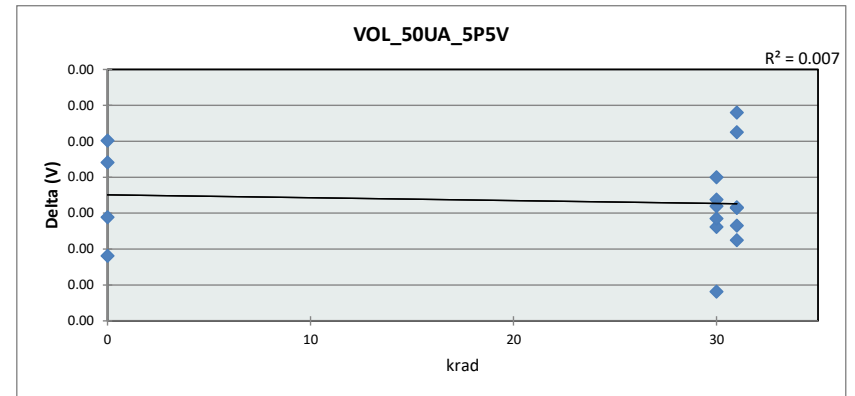


VOL_50UA_1P2V			
Units	V		
Max Limit	0.1		
Min Limit	-0.001		
krad	0	30	31
LL	-0.001	-0.001	-0.001
Min	0.002	0.002	0.002
Average	0.002	0.002	0.002
Max	0.002	0.002	0.002
UL	0.100	0.100	0.100

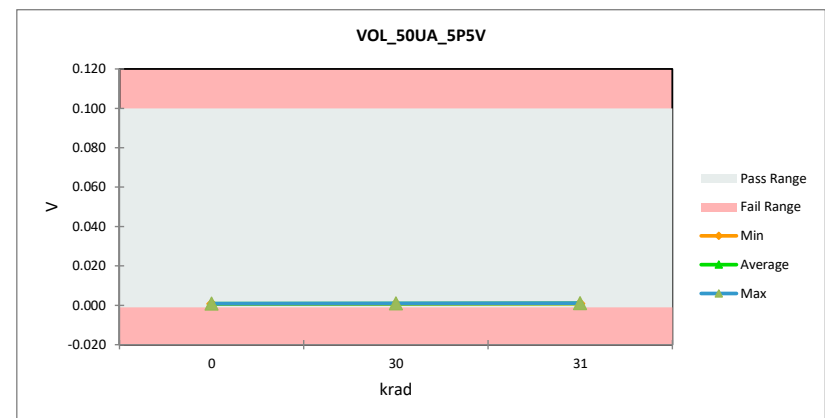


TID Report SN54SC8T574-SEP

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	5.10%	0.04%
0	2	0.001	0.001	0.00	-22.17%	0.22%
0	3	0.001	0.001	0.00	14.41%	0.10%
0	4	0.001	0.001	0.00	-11.84%	0.11%
30	5	0.001	0.001	0.00	-6.04%	0.06%
30	6	0.001	0.001	0.00	-14.49%	0.14%
30	7	0.001	0.001	0.00	-11.95%	0.11%
30	8	0.001	0.001	0.00	-7.88%	0.08%
30	9	0.001	0.001	0.00	-30.17%	0.32%
30	10	0.001	0.001	0.00	0.00%	0.00%
31	5a	0.001	0.001	0.00	-13.03%	0.13%
31	6a	0.001	0.001	0.00	-8.99%	0.09%
31	7a	0.001	0.001	0.00	12.98%	0.12%
31	8a	0.001	0.001	0.00	-8.18%	0.08%
31	9a	0.001	0.001	0.00	-16.63%	0.17%
31	10a	0.001	0.001	0.00	20.65%	0.18%
Max	0.001	0.001	0.00	0.00	20.65%	0.32%
Average	0.001	0.001	0.00	0.00	-6.14%	0.12%
Min	0.001	0.001	0.00	0.00	-30.17%	0.00%
Std Dev	0.000	0.000	0.00	0.00	13.69%	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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