



ABSTRACT

This report covers the radiation characterization results of the SN54SC1G175-SEP, single D-type flip-flop. The study was done to determine Total Ionizing Dose (TID) effects under high dose rate (HDR) up to 50krad(Si) as a one time characterization. The results show that all samples passed within the specified limits up to 30krad(Si) with effective dose of 115.74mrad(Si)/s (with 72 hour room temperature anneal). Radiation Lot Acceptance Testing (RLAT) is performed using 5 units at a dose level of 30krad(Si) for future wafer lots per MIL-STD-883 TM 1019. All future wafer lots are tested under the same conditions. The device is manufactured in pure CMOS process. HDR TID response is the worst case. TID HDR characterization was performed per TM 1019.

The SN54SC1G175-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.

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1 Device Information

The SN54SC1G175-SEP device is a single D-type flip-flop with asynchronous clear ($\overline{\text{CLR}}$) input. When $\overline{\text{CLR}}$ is HIGH, data from the input pin (D) is transferred to the output pin (Q) on the clock's (CLK) rising edge. When $\overline{\text{CLR}}$ is LOW, the Q is forced into the LOW state, regardless of the clock edge or data on D.

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 50krad(Si)	
TI Device Number	SN54SC1G175-SEP
VID Number	V62/26610
Package	6-pin DBV (SOT-23)
Technology	LBC9
Die Lot Number	4340639RFB
A/T Lot Number and Date Code	5055844WCW/ 52A615W
Quantity Tested	20 irradiated devices + 5 control
Lot Accept or Reject	Devices passed 30krad(Si)
HDR Radiation Facility	Texas Instruments CLAB in Dallas, Texas
HDR Dose Level	10krad(Si), 20krad(Si), 30krad(Si), 50krad(Si)
HDR Dose Rate	163.81 rad(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 SN54SC1G175-SEP samples were irradiated at a high dose rate of $\text{rad}(\text{Si})/\text{s}$ up to $50\text{krad}(\text{Si})$ ($115.74\text{mrad}(\text{Si})/\text{s}$ effective dose rate for $30\text{krad}(\text{Si})$ 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 SN54SC1G175-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 $163.81\text{ rads}(\text{Si})/\text{s}$ ($115.74\text{mrad}(\text{Si})/\text{s}$ effective dose rate of $30\text{krad}(\text{Si})$ 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.

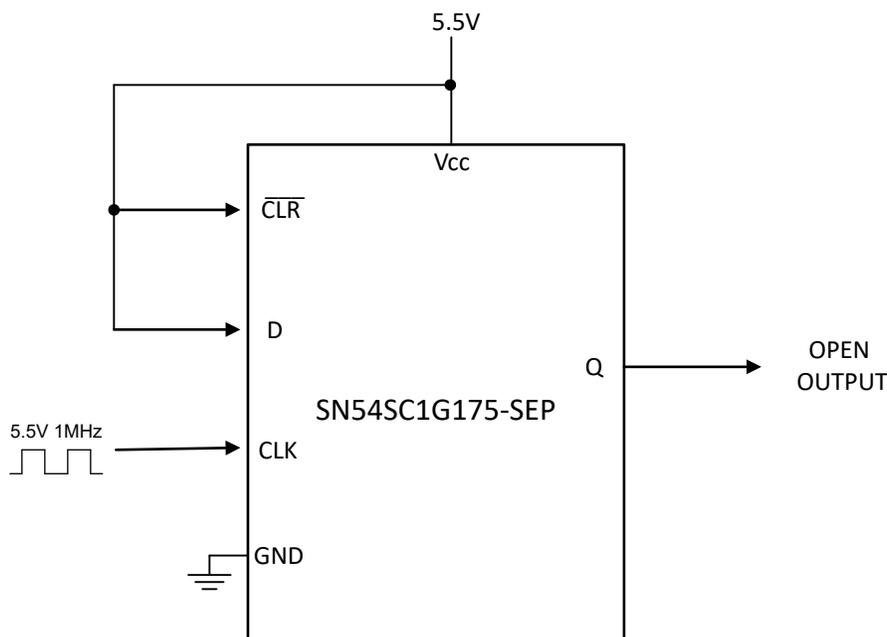


Figure 2-1. SN54SC1G175-SEP Bias Diagram

2.4 Test Configuration and Condition

A step stress (10k, 20k, 30k and 50k) test method was used to determine the TID hardness level. That is, after a predetermined TID level was reached, an electrical test was performed on a given sample of parts to verify that the units are within specified data sheet electrical test limits. The HDR RLAT units were irradiated to 30krad(Si), parametrically tested on ATE, and then were annealed at 25°C for 72 hours. The units that were irradiated to 30krad(Si) and were annealed for 72 hours are denoted as 31krad(Si) in [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 = 163.81 rad(Si)/s				
Total Samples: 4	Total Samples: 25 Biased				
	Exposure Levels				
0krad (Si)	10krad (Si)	20krad(Si)	30krad(Si)		50krad (Si)
Biased	Biased	Biased	Biased	Biased + 72 hour anneal	Biased
1 - 5	6 - 10	11 - 15	16 - 20	16a - 20a	21 - 25

3 TID Characterization Test Results

3.1 TID Characterization Summary Results

The parametric data for the SN54SC1G175-SEP passes up to 30krad(Si) with effective dose of 115.74mrad(Si)/s (with 72 hour room temperature anneal) HDR TID irradiation. The drifts of the electrical parameters through HDR were within the data sheet limits.

Overall, the SN54SC1G175-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 [SN54SC1G175-SEP Single D-Type Flip-Flop With Asynchronous Clear](#).

See [Section 5](#) for HDR report up to 50 krad(Si).

3.2 Specification Compliance Matrix

Table 3-1. Electrical Parameters Table

Specifications	Description	Condition	$T_A = -55^\circ\text{C to } +125^\circ\text{C}$			UNIT	Test Name
			MIN	TYP	MAX		
V_{IH}	High-level input voltage	1.1V	0.75			V	VIH_1P1V
		1.32V	0.78			V	VIH_1P32V
		1.5V	0.975			V	VIH_1P5V
		1.65V	1.075			V	VIH_1P65V
		1.95V	1.2675			V	VIH_1P95V
		2.3V	1.7			V	VIH_2P3V
		2.5V	1.7			V	VIH_2P5V
		2.7V	1.7			V	VIH_2P7V
		3.0V	2			V	VIH_3V
		3.6V	2			V	VIH_3P6V
		4.5V	3.15			V	VIH_4P5V
	5.5V	3.85			V	VIH_5P5V	
V_{IL}	Low-Level input voltage	1.1V			0.40	V	VIL_1P1V
		1.32V			0.42	V	VIL_1P32V
		1.5V			0.525	V	VIL_1P5V
		1.65V			0.5775	V	VIL_1P65V
		1.95V			0.6825	V	VIL_1P95V
		2.3V			0.7	V	VIL_2P3V
		2.5V			0.7	V	VIL_2P5V
		2.7V			0.7	V	VIL_2P7V
		3.0V			0.8	V	VIL_3V
		3.6V			0.8	V	VIL_3P6V
		4.5V			1.35	V	VIL_4P5V
	5.5V			1.65	V	VIL_5P5V	
V_{OH}	$I_{OH} = -100\mu\text{A}$	1.1V to 5.5V	-0.1			V	VOH_N100UA_1P1V
	$I_{OH} = -100\mu\text{A}$	5.5V	3.4				VOH_N100UA_5P5V
	$I_{OH} = -12\text{mA}$	2.7V	2.2				VOH_N12MA_2P7V
	$I_{OH} = -16\text{mA}$	3V	2.4				VOH_N16MA_3V
	$I_{OH} = -24\text{mA}$	3V	2.3				VOH_N24MA_3V
	$I_{OH} = -32\text{mA}$	4.5V	3.8				VOH_N32MA_4P5V
	$I_{OH} = -4\text{mA}$	1.65V	1.2				VOH_N4MA_1P65V
	$I_{OH} = -8\text{mA}$	2.3V	1.9				VOH_N8MA_2P3V
V_{OL}	$I_{OL} = 100\mu\text{A}$	1.1V to 5.5V			0.15	V	VOL_100UA_1P1V
	$I_{OL} = 100\mu\text{A}$	5.5V			0.2		VOL_100UA_5P5V
	$I_{OL} = 12\text{mA}$	2.7V			0.4		VOL_12MA_2P7V
	$I_{OL} = 16\text{mA}$	3V			0.4		VOL_16MA_3V
	$I_{OL} = 24\text{mA}$	3V			0.55		VOL_24MA_3V
	$I_{OL} = 32\text{mA}$	4.5V			0.55		VOL_32MA_4P5V
	$I_{OL} = 4\text{mA}$	1.65V			0.45		VOL_4MA_1P65V
	$I_{OL} = 8\text{mA}$	2.3V			0.3		VOL_8MA_2P3V
ΔI_{CC}	One input at $V_{CC} - 0.6\text{V}$, other inputs at V_{CC} or GND	3.0V to 5.5V			500	μA	DELTAICC
I_{CC}	$V_I = V_{CC}$ or GND, $I_O = 0$	$V_{CC} = 1.1\text{V to } 5.5\text{V}$			10	μA	ICC
		$V_{CC} = 1.65\text{V to } 5.5\text{V}$			10	μA	ICC_1P65V
I_I	$V_I = V_{CC}$ or GND	$V_{CC} = 0\text{V to } 5.5\text{V}$			± 5	μA	II
I_{off}	V_I or $V_O = V_{CC}$	$V_{CC} = 0\text{V}$			± 10	μA	IOFF_0V

4 Reference Documents

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

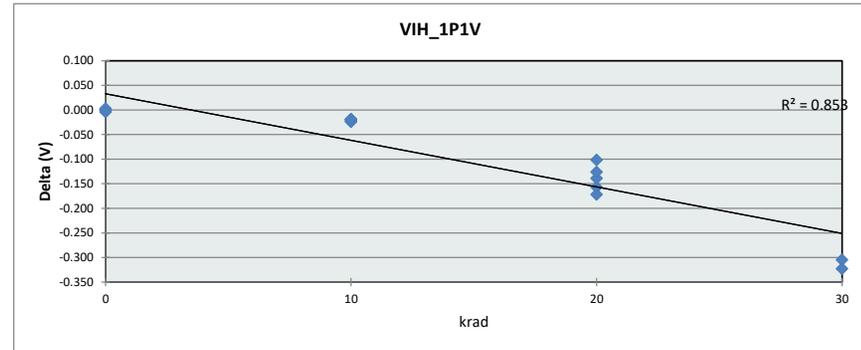
5 Appendix: HDR TID Report Data

This appendix provides the SN54SC1G175-SEP TID HDR report. The report shows the variation for each parameter up to 50krad(Si).

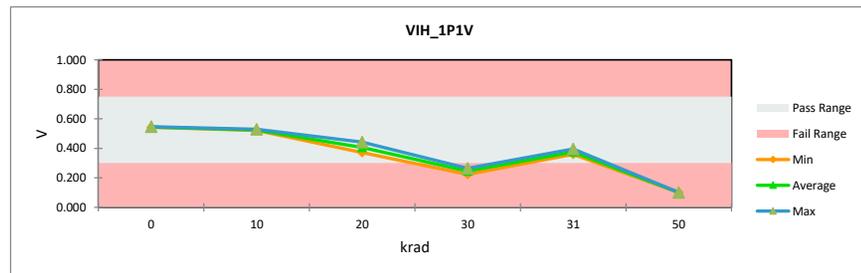
TID Report

SN54SC1G175-SEP

		VIH_1P1V				
Units		V				
Max Limit		0.75				
Min Limit		0.3				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.544	0.544	0.000	-0.09%	0.11%
0	2	0.543	0.544	0.001	0.26%	0.31%
0	3	0.544	0.544	0.000	0.00%	0.00%
0	4	0.544	0.547	0.003	0.50%	0.60%
0	5	0.547	0.543	-0.004	-0.75%	0.91%
10	6	0.546	0.526	-0.020	-3.72%	4.51%
10	7	0.547	0.525	-0.022	-4.02%	4.89%
10	8	0.548	0.529	-0.019	-3.52%	4.29%
10	9	0.546	0.521	-0.024	-4.45%	5.40%
10	10	0.540	0.521	-0.019	-3.43%	4.11%
20	11	0.545	0.388	-0.157	-28.84%	34.91%
20	12	0.547	0.408	-0.139	-25.42%	30.91%
20	13	0.543	0.371	-0.172	-31.68%	38.22%
20	14	0.547	0.421	-0.126	-23.05%	28.00%
20	15	0.544	0.443	-0.102	-18.70%	22.62%
30	16	0.544	0.239	-0.305	-56.08%	67.73%
30	17	0.545	0.223	-0.323	-59.20%	71.73%
30	18	0.543	0.264	-0.279	-51.33%	61.93%
30	19	0.546	0.245	-0.300	-55.03%	66.73%
30	20	0.544	0.259	-0.286	-52.44%	63.44%
31	16a	0.544	0.360	-0.184	-33.80%	40.82%
31	17a	0.545	0.360	-0.185	-33.94%	41.13%
31	18a	0.543	0.391	-0.152	-27.94%	33.71%
31	19a	0.546	0.396	-0.150	-27.47%	33.31%
31	20a	0.544	0.372	-0.172	-31.59%	38.22%
50	21	0.544	0.101	-0.443	-81.52%	98.53%
50	22	0.547	0.101	-0.447	-81.63%	99.24%
50	23	0.548	0.101	-0.447	-81.57%	99.24%
50	24	0.544	0.101	-0.443	-81.37%	98.44%
50	25	0.547	0.101	-0.446	-81.56%	99.16%
	Max	0.548	0.547	-0.002	0.50%	71.73%
	Average	0.545	0.461	-0.084	-15.42%	18.78%
	Min	0.540	0.223	-0.317	-59.20%	0.00%
	Std Dev	0.002	0.106	0.104	19.43%	23.42%



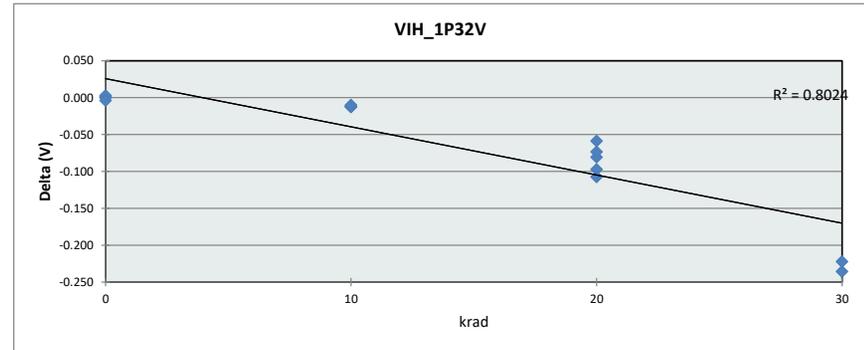
		VIH_1P1V					
Units		V					
Max Limit		0.75					
Min Limit		0.3					
krad		0	10	20	30	31	50
LL		0.300	0.300	0.300	0.300	0.300	0.300
Min		0.543	0.521	0.371	0.223	0.360	0.101
Average		0.544	0.524	0.406	0.246	0.376	0.101
Max		0.547	0.529	0.443	0.264	0.396	0.101
UL		0.750	0.750	0.750	0.750	0.750	0.750



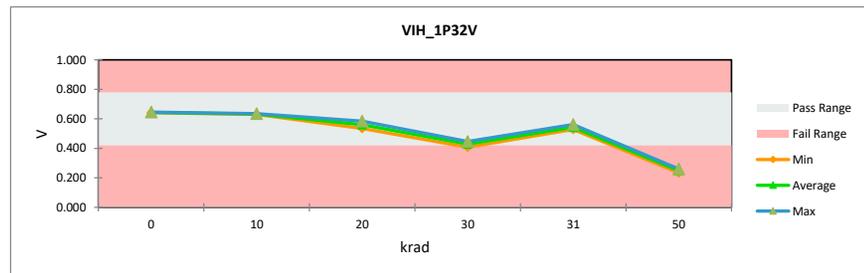
TID Report

SN54SC1G175-SEP

		VIH_1P32V				
Units		V				
Max Limit		0.78				
Min Limit		0.42				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.642	0.642	0.000	0.00%	0.00%
0	2	0.641	0.642	0.001	0.20%	0.36%
0	3	0.642	0.643	0.001	0.11%	0.19%
0	4	0.643	0.646	0.003	0.42%	0.75%
0	5	0.646	0.642	-0.004	-0.62%	1.11%
10	6	0.644	0.632	-0.012	-1.86%	3.33%
10	7	0.645	0.632	-0.013	-1.97%	3.53%
10	8	0.647	0.635	-0.012	-1.85%	3.33%
10	9	0.644	0.632	-0.012	-1.86%	3.33%
10	10	0.640	0.630	-0.010	-1.56%	2.78%
20	11	0.643	0.546	-0.097	-15.15%	27.06%
20	12	0.645	0.564	-0.081	-12.51%	22.42%
20	13	0.642	0.535	-0.107	-16.72%	29.83%
20	14	0.645	0.572	-0.073	-11.38%	20.39%
20	15	0.643	0.584	-0.059	-9.13%	16.31%
30	16	0.642	0.420	-0.222	-34.63%	61.72%
30	17	0.643	0.408	-0.236	-36.63%	65.42%
30	18	0.642	0.447	-0.195	-30.36%	54.11%
30	19	0.644	0.430	-0.215	-33.34%	59.67%
30	20	0.644	0.440	-0.204	-31.72%	56.72%
31	16a	0.642	0.529	-0.113	-17.58%	31.33%
31	17a	0.643	0.528	-0.115	-17.95%	32.06%
31	18a	0.642	0.554	-0.088	-13.73%	24.47%
31	19a	0.644	0.561	-0.083	-12.94%	23.17%
31	20a	0.644	0.542	-0.102	-15.86%	28.36%
50	21	0.642	0.234	-0.408	-63.55%	113.39%
50	22	0.644	0.243	-0.400	-62.19%	111.19%
50	23	0.646	0.255	-0.391	-60.54%	108.58%
50	24	0.643	0.260	-0.383	-59.55%	106.36%
50	25	0.646	0.253	-0.393	-60.85%	109.14%
	Max	0.647	0.646	-0.001	0.42%	65.42%
	Average	0.643	0.588	-0.055	-8.54%	15.40%
	Min	0.640	0.408	-0.232	-36.63%	0.00%
	Std Dev	0.002	0.076	0.074	11.72%	20.79%



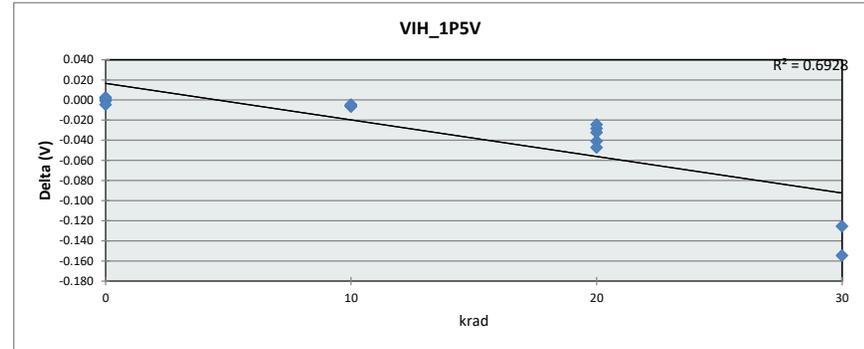
		VIH_1P32V				
Units		V				
Max Limit		0.78				
Min Limit		0.42				
krad	0	10	20	30	31	50
LL	0.420	0.420	0.420	0.420	0.420	0.420
Min	0.642	0.630	0.535	0.408	0.528	0.234
Average	0.643	0.632	0.560	0.429	0.543	0.249
Max	0.646	0.635	0.584	0.447	0.561	0.260
UL	0.780	0.780	0.780	0.780	0.780	0.780



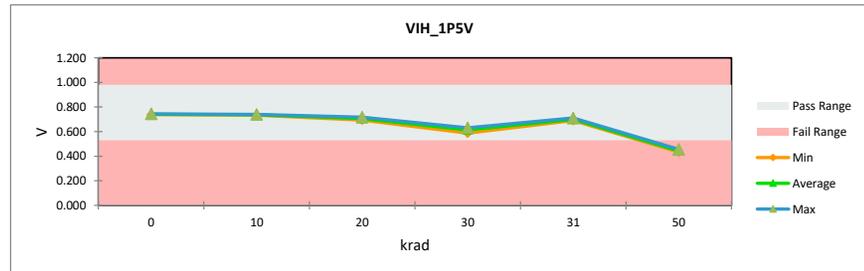
TID Report

SN54SC1G175-SEP

		VIH_1P5V				
Units		V				
Max Limit		0.98				
Min Limit		0.53				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.739	0.739	-0.001	-0.11%	0.18%
0	2	0.739	0.741	0.002	0.31%	0.51%
0	3	0.740	0.741	0.001	0.11%	0.18%
0	4	0.742	0.744	0.002	0.32%	0.53%
0	5	0.744	0.739	-0.005	-0.63%	1.04%
10	6	0.742	0.735	-0.006	-0.85%	1.40%
10	7	0.743	0.738	-0.005	-0.74%	1.22%
10	8	0.746	0.739	-0.006	-0.84%	1.40%
10	9	0.743	0.737	-0.006	-0.74%	1.22%
10	10	0.738	0.733	-0.005	-0.64%	1.04%
20	11	0.741	0.700	-0.041	-5.53%	9.11%
20	12	0.743	0.710	-0.032	-4.35%	7.18%
20	13	0.741	0.694	-0.047	-6.38%	10.51%
20	14	0.742	0.713	-0.028	-3.83%	6.31%
20	15	0.741	0.717	-0.024	-3.29%	5.42%
30	16	0.739	0.614	-0.125	-16.96%	27.87%
30	17	0.741	0.586	-0.155	-20.85%	34.33%
30	18	0.739	0.631	-0.109	-14.71%	24.18%
30	19	0.742	0.606	-0.136	-18.28%	30.13%
30	20	0.742	0.628	-0.114	-15.30%	25.22%
31	16a	0.739	0.692	-0.047	-6.40%	10.51%
31	17a	0.741	0.691	-0.050	-6.80%	11.20%
31	18a	0.739	0.703	-0.036	-4.91%	8.07%
31	19a	0.742	0.711	-0.031	-4.14%	6.82%
31	20a	0.742	0.701	-0.041	-5.53%	9.11%
50	21	0.740	0.434	-0.307	-41.43%	68.13%
50	22	0.742	0.441	-0.301	-40.60%	66.91%
50	23	0.742	0.438	-0.304	-40.92%	67.44%
50	24	0.742	0.456	-0.286	-38.59%	63.60%
50	25	0.744	0.445	-0.299	-40.16%	66.40%
	Max	0.746	0.744	-0.002	0.32%	34.33%
	Average	0.741	0.713	-0.028	-3.82%	6.44%
	Min	0.738	0.586	-0.151	-20.85%	0.18%
	Std Dev	0.002	0.045	0.043	6.09%	9.92%



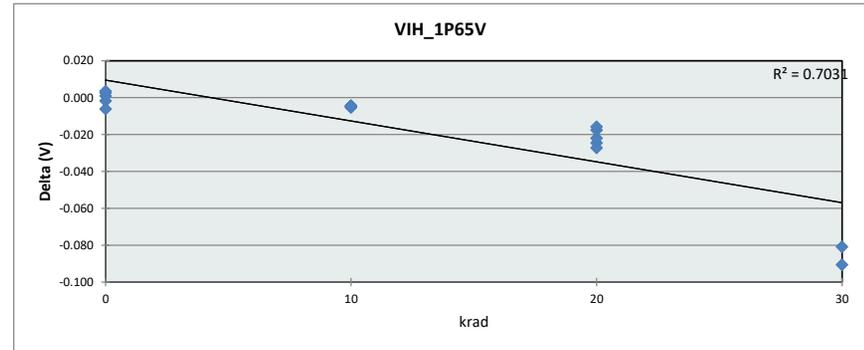
		VIH_1P5V				
Units		V				
Max Limit		0.98				
Min Limit		0.53				
krad	0	10	20	30	31	50
LL	0.530	0.530	0.530	0.530	0.530	0.530
Min	0.739	0.733	0.694	0.586	0.691	0.434
Average	0.741	0.737	0.707	0.613	0.699	0.443
Max	0.744	0.739	0.717	0.631	0.711	0.456
UL	0.980	0.980	0.980	0.980	0.980	0.980



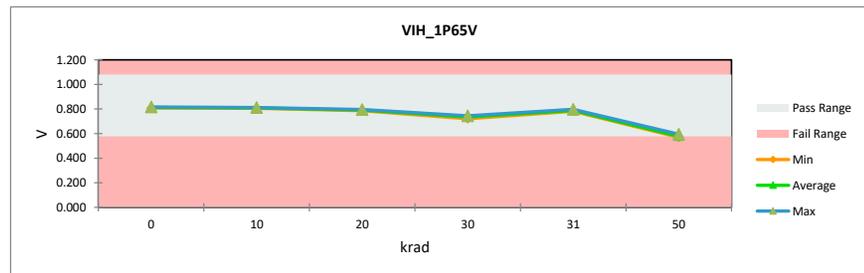
TID Report

SN54SC1G175-SEP

		VIH_1P65V				
Units		V				
Max Limit		1.08				
Min Limit		0.578				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.811	0.809	-0.002	-0.22%	0.36%
0	2	0.810	0.812	0.003	0.32%	0.52%
0	3	0.812	0.813	0.001	0.11%	0.18%
0	4	0.813	0.817	0.003	0.43%	0.70%
0	5	0.816	0.810	-0.006	-0.76%	1.24%
10	6	0.813	0.808	-0.005	-0.64%	1.04%
10	7	0.815	0.810	-0.005	-0.65%	1.06%
10	8	0.817	0.812	-0.004	-0.54%	0.88%
10	9	0.814	0.810	-0.004	-0.54%	0.88%
10	10	0.810	0.805	-0.004	-0.54%	0.88%
20	11	0.812	0.788	-0.025	-3.03%	4.90%
20	12	0.814	0.792	-0.022	-2.70%	4.38%
20	13	0.813	0.786	-0.027	-3.35%	5.42%
20	14	0.813	0.796	-0.018	-2.16%	3.51%
20	15	0.812	0.796	-0.016	-1.95%	3.15%
30	16	0.810	0.729	-0.081	-9.99%	16.12%
30	17	0.811	0.721	-0.091	-11.17%	18.05%
30	18	0.811	0.745	-0.066	-8.14%	13.15%
30	19	0.813	0.740	-0.073	-8.98%	14.54%
30	20	0.813	0.744	-0.069	-8.54%	13.82%
31	16a	0.810	0.783	-0.026	-3.26%	5.26%
31	17a	0.811	0.782	-0.030	-3.68%	5.96%
31	18a	0.811	0.789	-0.022	-2.71%	4.38%
31	19a	0.813	0.797	-0.016	-1.94%	3.15%
31	20a	0.813	0.789	-0.024	-2.91%	4.72%
50	21	0.811	0.570	-0.242	-29.80%	48.17%
50	22	0.813	0.576	-0.237	-29.20%	47.29%
50	23	0.813	0.574	-0.239	-29.41%	47.63%
50	24	0.812	0.595	-0.217	-26.73%	43.25%
50	25	0.816	0.578	-0.237	-29.10%	47.29%
	Max	0.817	0.817	0.000	0.43%	18.05%
	Average	0.813	0.795	-0.018	-2.20%	3.72%
	Min	0.810	0.721	-0.089	-11.17%	0.18%
	Std Dev	0.002	0.028	0.026	3.36%	5.31%



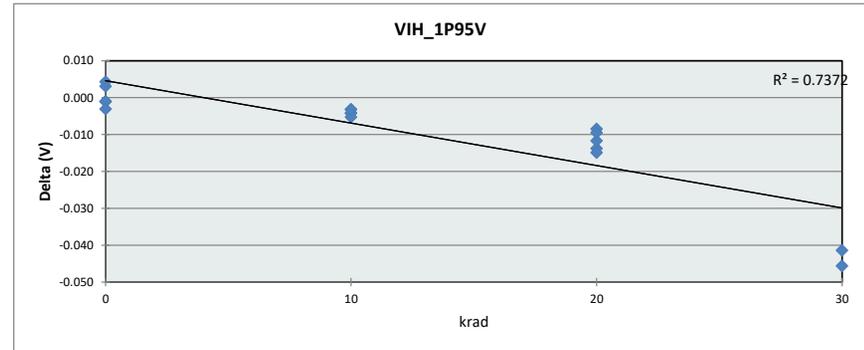
		VIH_1P65V					
Units		V					
Max Limit		1.08					
Min Limit		0.578					
krad		0	10	20	30	31	50
LL		0.578	0.578	0.578	0.578	0.578	0.578
Min		0.809	0.805	0.786	0.721	0.782	0.570
Average		0.812	0.809	0.791	0.736	0.788	0.579
Max		0.817	0.812	0.796	0.745	0.797	0.595
UL		1.080	1.080	1.080	1.080	1.080	1.080



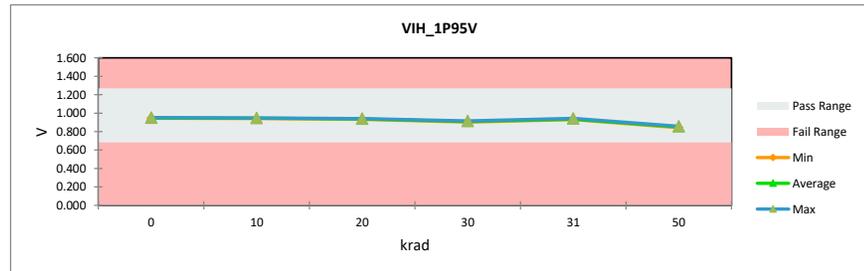
TID Report

SN54SC1G175-SEP

		VIH_1P95V				
Units		V				
Max Limit		1.27				
Min Limit		0.683				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.946	0.945	-0.001	-0.11%	0.17%
0	2	0.945	0.948	0.003	0.33%	0.53%
0	3	0.949	0.948	-0.001	-0.12%	0.19%
0	4	0.948	0.952	0.004	0.45%	0.73%
0	5	0.948	0.945	-0.003	-0.33%	0.53%
10	6	0.949	0.945	-0.004	-0.44%	0.72%
10	7	0.951	0.947	-0.004	-0.44%	0.72%
10	8	0.953	0.948	-0.005	-0.56%	0.90%
10	9	0.950	0.947	-0.003	-0.34%	0.55%
10	10	0.945	0.942	-0.003	-0.34%	0.55%
20	11	0.947	0.933	-0.014	-1.46%	2.35%
20	12	0.950	0.938	-0.012	-1.23%	1.99%
20	13	0.949	0.934	-0.015	-1.57%	2.54%
20	14	0.949	0.941	-0.008	-0.90%	1.45%
20	15	0.948	0.938	-0.009	-1.00%	1.62%
30	16	0.945	0.903	-0.041	-4.38%	7.05%
30	17	0.948	0.902	-0.046	-4.81%	7.77%
30	18	0.946	0.911	-0.035	-3.70%	5.96%
30	19	0.948	0.915	-0.033	-3.47%	5.60%
30	20	0.949	0.912	-0.037	-3.91%	6.32%
31	16a	0.945	0.932	-0.013	-1.35%	2.18%
31	17a	0.948	0.930	-0.018	-1.90%	3.07%
31	18a	0.946	0.934	-0.012	-1.24%	1.99%
31	19a	0.948	0.943	-0.005	-0.56%	0.90%
31	20a	0.949	0.937	-0.012	-1.23%	1.99%
50	21	0.947	0.846	-0.101	-10.65%	17.17%
50	22	0.949	0.851	-0.098	-10.28%	16.63%
50	23	0.948	0.842	-0.106	-11.19%	18.07%
50	24	0.948	0.852	-0.095	-10.07%	16.27%
50	25	0.952	0.858	-0.095	-9.92%	16.10%
Max		0.953	0.952	-0.001	0.45%	7.77%
Average		0.948	0.939	-0.010	-1.01%	1.78%
Min		0.945	0.902	-0.043	-4.81%	0.17%
Std Dev		0.002	0.014	0.012	1.46%	2.24%



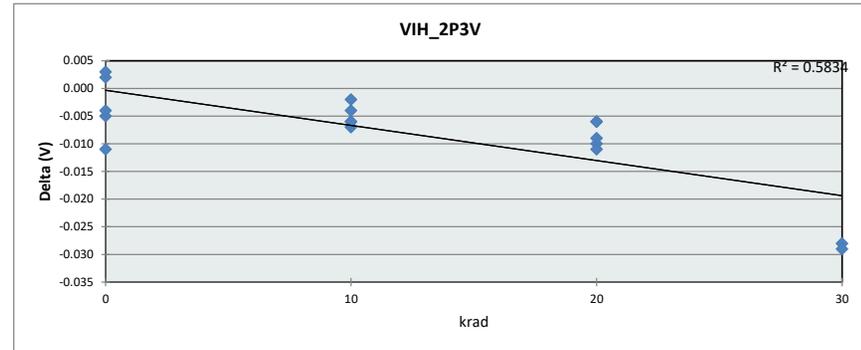
		VIH_1P95V							
Units		V							
Max Limit		1.27							
Min Limit		0.683							
krad		0	10	20	30	31	50		
LL		0.683	0.683	0.683	0.683	0.683	0.683		
Min		0.945	0.942	0.933	0.902	0.930	0.842		
Average		0.948	0.946	0.937	0.909	0.935	0.850		
Max		0.952	0.948	0.941	0.915	0.943	0.858		
UL		1.270	1.270	1.270	1.270	1.270	1.270		



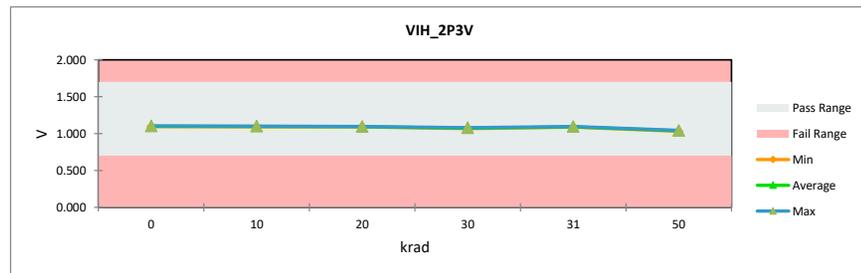
TID Report

SN54SC1G175-SEP

		VIH_2P3V				
		Units		V		
		Max Limit		1.7		
		Min Limit		0.7		
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.100	1.095	-0.005	-0.45%	0.50%
0	2	1.096	1.098	0.002	0.18%	0.20%
0	3	1.102	1.098	-0.004	-0.36%	0.40%
0	4	1.102	1.105	0.003	0.27%	0.30%
0	5	1.107	1.096	-0.011	-0.99%	1.10%
10	6	1.102	1.096	-0.006	-0.54%	0.60%
10	7	1.104	1.097	-0.007	-0.63%	0.70%
10	8	1.104	1.102	-0.002	-0.18%	0.20%
10	9	1.104	1.098	-0.006	-0.54%	0.60%
10	10	1.096	1.092	-0.004	-0.36%	0.40%
20	11	1.101	1.091	-0.010	-0.91%	1.00%
20	12	1.104	1.095	-0.009	-0.82%	0.90%
20	13	1.104	1.093	-0.011	-1.00%	1.10%
20	14	1.102	1.096	-0.006	-0.54%	0.60%
20	15	1.101	1.095	-0.006	-0.54%	0.60%
30	16	1.096	1.068	-0.028	-2.55%	2.80%
30	17	1.098	1.069	-0.029	-2.64%	2.90%
30	18	1.101	1.073	-0.028	-2.54%	2.80%
30	19	1.102	1.081	-0.021	-1.91%	2.10%
30	20	1.101	1.076	-0.025	-2.27%	2.50%
31	16a	1.096	1.091	-0.005	-0.46%	0.50%
31	17a	1.098	1.088	-0.010	-0.91%	1.00%
31	18a	1.101	1.092	-0.009	-0.82%	0.90%
31	19a	1.102	1.097	-0.005	-0.45%	0.50%
31	20a	1.101	1.092	-0.009	-0.82%	0.90%
50	21	1.098	1.030	-0.068	-6.19%	6.80%
50	22	1.101	1.039	-0.062	-5.63%	6.20%
50	23	1.102	1.036	-0.066	-5.99%	6.60%
50	24	1.102	1.042	-0.060	-5.44%	6.00%
50	25	1.102	1.044	-0.058	-5.26%	5.80%
	Max	1.107	1.105	-0.002	0.27%	2.90%
	Average	1.101	1.093	-0.008	-0.74%	0.88%
	Min	1.096	1.068	-0.028	-2.64%	0.20%
	Std Dev	0.003	0.010	0.007	0.78%	0.79%



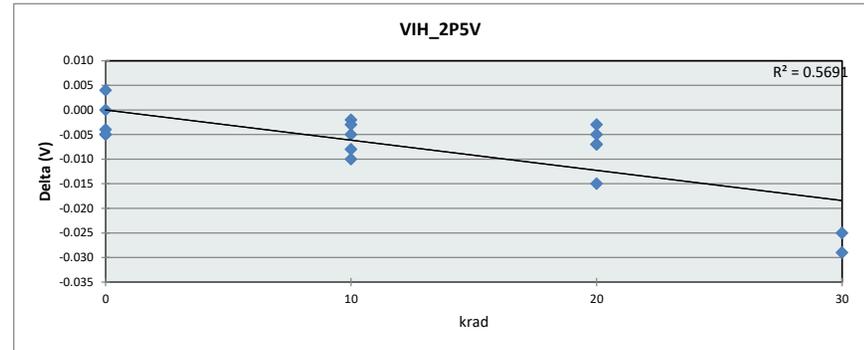
		VIH_2P3V					
		Units		V			
		Max Limit		1.7			
		Min Limit		0.7			
krad		0	10	20	30	31	50
LL		0.700	0.700	0.700	0.700	0.700	0.700
Min		1.095	1.092	1.091	1.068	1.088	1.030
Average		1.098	1.097	1.094	1.073	1.092	1.038
Max		1.105	1.102	1.096	1.081	1.097	1.044
UL		1.700	1.700	1.700	1.700	1.700	1.700



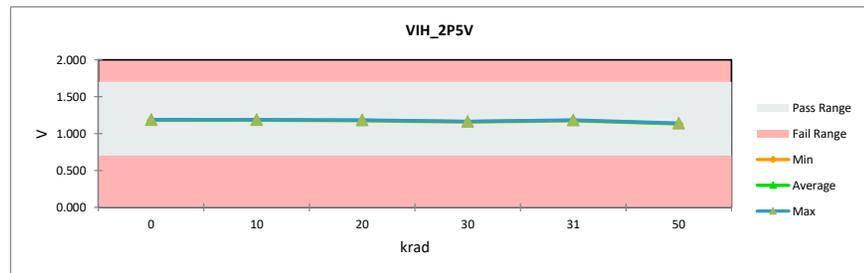
TID Report

SN54SC1G175-SEP

		VIH_2P5V				
Units		V				
Max Limit		1.7				
Min Limit		0.7				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.185	1.180	-0.005	-0.42%	0.50%
0	2	1.184	1.184	0.000	0.00%	0.00%
0	3	1.189	1.185	-0.004	-0.34%	0.40%
0	4	1.187	1.191	0.004	0.34%	0.40%
0	5	1.192	1.187	-0.005	-0.42%	0.50%
10	6	1.189	1.187	-0.002	-0.17%	0.20%
10	7	1.192	1.184	-0.008	-0.67%	0.80%
10	8	1.194	1.189	-0.005	-0.42%	0.50%
10	9	1.192	1.182	-0.010	-0.84%	1.00%
10	10	1.184	1.181	-0.003	-0.25%	0.30%
20	11	1.189	1.174	-0.015	-1.26%	1.50%
20	12	1.185	1.178	-0.007	-0.59%	0.70%
20	13	1.188	1.181	-0.007	-0.59%	0.70%
20	14	1.185	1.182	-0.003	-0.25%	0.30%
20	15	1.189	1.184	-0.005	-0.42%	0.50%
30	16	1.184	1.159	-0.025	-2.11%	2.50%
30	17	1.185	1.156	-0.029	-2.45%	2.90%
30	18	1.188	1.164	-0.024	-2.02%	2.40%
30	19	1.191	1.167	-0.024	-2.02%	2.40%
30	20	1.191	1.167	-0.024	-2.02%	2.40%
31	16a	1.184	1.175	-0.009	-0.76%	0.90%
31	17a	1.185	1.174	-0.011	-0.93%	1.10%
31	18a	1.188	1.181	-0.007	-0.59%	0.70%
31	19a	1.191	1.184	-0.007	-0.59%	0.70%
31	20a	1.191	1.181	-0.010	-0.84%	1.00%
50	21	1.189	1.131	-0.058	-4.88%	5.80%
50	22	1.188	1.131	-0.057	-4.80%	5.70%
50	23	1.189	1.134	-0.055	-4.63%	5.50%
50	24	1.189	1.142	-0.047	-3.95%	4.70%
50	25	1.194	1.136	-0.058	-4.86%	5.80%
	Max	1.194	1.191	-0.003	0.34%	2.90%
	Average	1.188	1.180	-0.008	-0.64%	0.81%
	Min	1.184	1.156	-0.028	-2.45%	0.00%
	Std Dev	0.003	0.009	0.006	0.71%	0.79%



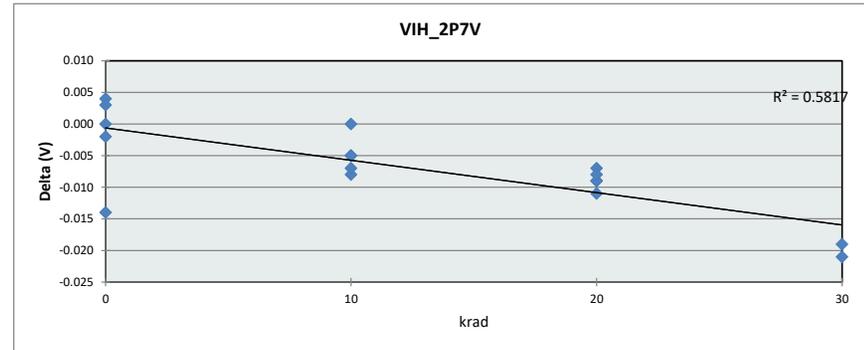
		VIH_2P5V					
Units		V					
Max Limit		1.7					
Min Limit		0.7					
krad		0	10	20	30	31	50
LL		0.700	0.700	0.700	0.700	0.700	0.700
Min		1.180	1.181	1.174	1.156	1.174	1.131
Average		1.185	1.185	1.180	1.163	1.179	1.135
Max		1.191	1.189	1.184	1.167	1.184	1.142
UL		1.700	1.700	1.700	1.700	1.700	1.700



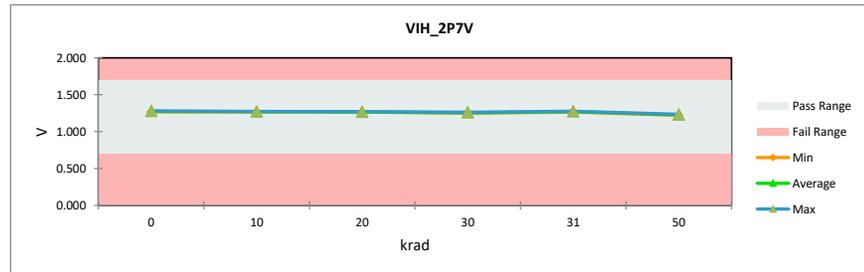
TID Report

SN54SC1G175-SEP

		VIH_2P7V				
Units		V				
Max Limit		1.7				
Min Limit		0.7				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.270	1.270	0.000	0.00%	0.00%
0	2	1.269	1.273	0.004	0.32%	0.40%
0	3	1.275	1.273	-0.002	-0.16%	0.20%
0	4	1.278	1.281	0.003	0.23%	0.30%
0	5	1.283	1.269	-0.014	-1.09%	1.40%
10	6	1.275	1.270	-0.005	-0.39%	0.50%
10	7	1.280	1.272	-0.008	-0.63%	0.80%
10	8	1.278	1.273	-0.005	-0.39%	0.50%
10	9	1.280	1.273	-0.007	-0.55%	0.70%
10	10	1.264	1.264	0.000	0.00%	0.00%
20	11	1.276	1.267	-0.009	-0.71%	0.90%
20	12	1.278	1.267	-0.011	-0.86%	1.10%
20	13	1.276	1.269	-0.007	-0.55%	0.70%
20	14	1.273	1.264	-0.009	-0.71%	0.90%
20	15	1.275	1.267	-0.008	-0.63%	0.80%
30	16	1.269	1.248	-0.021	-1.65%	2.10%
30	17	1.270	1.251	-0.019	-1.50%	1.90%
30	18	1.275	1.254	-0.021	-1.65%	2.10%
30	19	1.278	1.261	-0.017	-1.33%	1.70%
30	20	1.278	1.257	-0.021	-1.64%	2.10%
31	16a	1.269	1.269	0.000	0.00%	0.00%
31	17a	1.270	1.264	-0.006	-0.47%	0.60%
31	18a	1.275	1.270	-0.005	-0.39%	0.50%
31	19a	1.278	1.269	-0.009	-0.70%	0.90%
31	20a	1.278	1.275	-0.003	-0.23%	0.30%
50	21	1.275	1.223	-0.052	-4.08%	5.20%
50	22	1.276	1.229	-0.047	-3.68%	4.70%
50	23	1.278	1.220	-0.058	-4.54%	5.80%
50	24	1.276	1.234	-0.042	-3.29%	4.20%
50	25	1.278	1.226	-0.052	-4.07%	5.20%
	Max	1.283	1.281	-0.002	0.32%	2.10%
	Average	1.275	1.268	-0.007	-0.54%	0.78%
	Min	1.264	1.248	-0.016	-1.65%	0.00%
	Std Dev	0.005	0.008	0.003	0.54%	0.59%



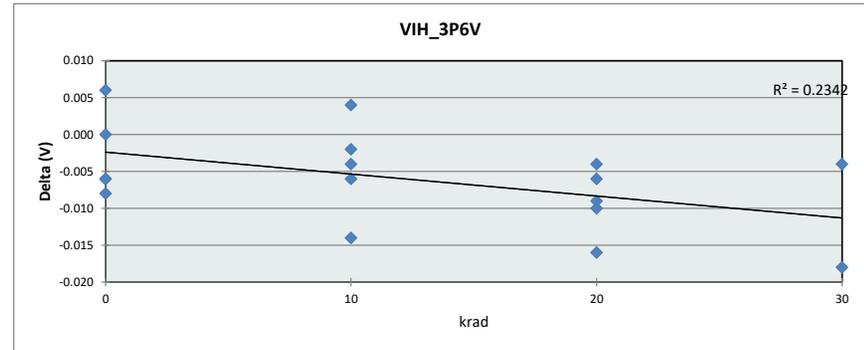
		VIH_2P7V				
Units		V				
Max Limit		1.7				
Min Limit		0.7				
krad	LL	Min	Average	Max	UL	
0	0.700	1.269	1.273	1.281	1.700	
10	0.700	1.264	1.270	1.273	1.700	
20	0.700	1.264	1.267	1.269	1.700	
30	0.700	1.248	1.254	1.261	1.700	
31	0.700	1.264	1.269	1.275	1.700	
50	0.700	1.220	1.226	1.234	1.700	



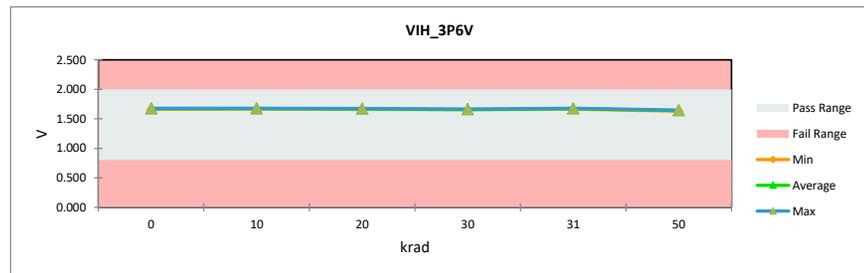
TID Report

SN54SC1G175-SEP

		VIH_3P6V				
		Units		V		
		Max Limit		2		
		Min Limit		0.8		
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.669	1.663	-0.006	-0.36%	0.50%
0	2	1.673	1.667	-0.006	-0.36%	0.50%
0	3	1.673	1.679	0.006	0.36%	0.50%
0	4	1.673	1.673	0.000	0.00%	0.00%
0	5	1.679	1.671	-0.008	-0.48%	0.67%
10	6	1.681	1.675	-0.006	-0.36%	0.50%
10	7	1.681	1.667	-0.014	-0.83%	1.17%
10	8	1.675	1.673	-0.002	-0.12%	0.17%
10	9	1.673	1.677	0.004	0.24%	0.33%
10	10	1.675	1.671	-0.004	-0.24%	0.33%
20	11	1.677	1.661	-0.016	-0.95%	1.33%
20	12	1.679	1.675	-0.004	-0.24%	0.33%
20	13	1.671	1.665	-0.006	-0.36%	0.50%
20	14	1.673	1.663	-0.010	-0.60%	0.83%
20	15	1.684	1.675	-0.009	-0.53%	0.75%
30	16	1.659	1.655	-0.004	-0.24%	0.33%
30	17	1.675	1.657	-0.018	-1.07%	1.50%
30	18	1.673	1.661	-0.012	-0.72%	1.00%
30	19	1.675	1.659	-0.016	-0.96%	1.33%
30	20	1.675	1.665	-0.010	-0.60%	0.83%
31	16a	1.659	1.665	0.006	0.36%	0.50%
31	17a	1.675	1.667	-0.008	-0.48%	0.67%
31	18a	1.673	1.679	0.006	0.36%	0.50%
31	19a	1.675	1.677	0.002	0.12%	0.17%
31	20a	1.675	1.677	0.002	0.12%	0.17%
50	21	1.681	1.630	-0.051	-3.03%	4.25%
50	22	1.681	1.644	-0.037	-2.20%	3.08%
50	23	1.675	1.638	-0.037	-2.21%	3.08%
50	24	1.679	1.648	-0.031	-1.85%	2.58%
50	25	1.686	1.640	-0.046	-2.73%	3.83%
	Max	1.684	1.679	-0.005	0.36%	1.50%
	Average	1.675	1.669	-0.006	-0.36%	0.60%
	Min	1.659	1.655	-0.004	-1.07%	0.00%
	Std Dev	0.006	0.007	0.001	0.38%	0.41%



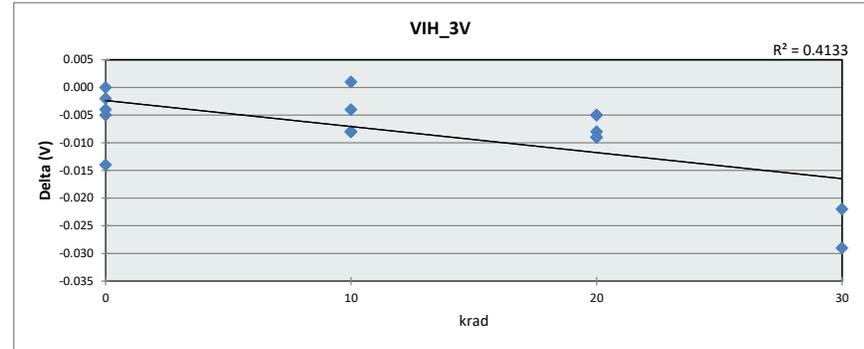
		VIH_3P6V									
		Units		V							
		Max Limit		2							
		Min Limit		0.8							
krad	LL	Min	Average	Max	UL	0	10	20	30	31	50
	LL	0.800	0.800	0.800	0.800	0.800	0.800	0.800	0.800	0.800	0.800
	Min	1.663	1.667	1.661	1.655	1.665	1.665	1.630			
	Average	1.671	1.673	1.668	1.659	1.673	1.640				
	Max	1.679	1.677	1.675	1.665	1.679	1.648				
	UL	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000



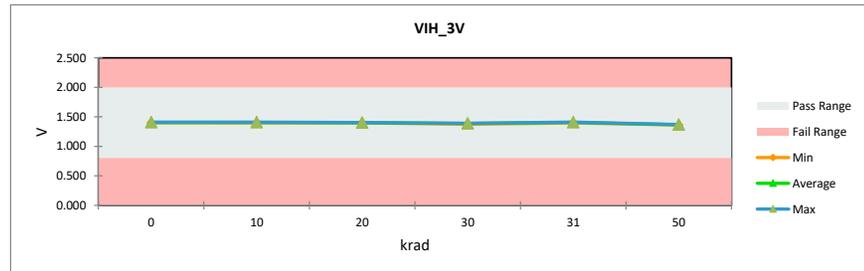
TID Report

SN54SC1G175-SEP

		VIH_3V				
		Units		V		
		Max Limit		2		
		Min Limit		0.8		
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.409	1.404	-0.005	-0.35%	0.42%
0	2	1.404	1.404	0.000	0.00%	0.00%
0	3	1.411	1.407	-0.004	-0.28%	0.33%
0	4	1.411	1.409	-0.002	-0.14%	0.17%
0	5	1.413	1.399	-0.014	-0.99%	1.17%
10	6	1.409	1.401	-0.008	-0.57%	0.67%
10	7	1.406	1.407	0.001	0.07%	0.08%
10	8	1.414	1.406	-0.008	-0.57%	0.67%
10	9	1.413	1.409	-0.004	-0.28%	0.33%
10	10	1.404	1.396	-0.008	-0.57%	0.67%
20	11	1.409	1.401	-0.008	-0.57%	0.67%
20	12	1.406	1.397	-0.009	-0.64%	0.75%
20	13	1.406	1.397	-0.009	-0.64%	0.75%
20	14	1.409	1.404	-0.005	-0.35%	0.42%
20	15	1.406	1.401	-0.005	-0.36%	0.42%
30	16	1.404	1.375	-0.029	-2.07%	2.42%
30	17	1.406	1.384	-0.022	-1.56%	1.83%
30	18	1.404	1.387	-0.017	-1.21%	1.42%
30	19	1.411	1.390	-0.021	-1.49%	1.75%
30	20	1.406	1.392	-0.014	-1.00%	1.17%
31	16a	1.404	1.397	-0.007	-0.50%	0.58%
31	17a	1.406	1.401	-0.005	-0.36%	0.42%
31	18a	1.404	1.406	0.002	0.14%	0.17%
31	19a	1.411	1.411	0.000	0.00%	0.00%
31	20a	1.406	1.411	0.005	0.36%	0.42%
50	21	1.406	1.362	-0.044	-3.13%	3.67%
50	22	1.409	1.367	-0.042	-2.98%	3.50%
50	23	1.411	1.363	-0.048	-3.40%	4.00%
50	24	1.409	1.365	-0.044	-3.12%	3.67%
50	25	1.413	1.370	-0.043	-3.04%	3.58%
	Max	1.414	1.409	-0.005	0.07%	2.42%
	Average	1.408	1.400	-0.008	-0.58%	0.69%
	Min	1.404	1.375	-0.029	-2.07%	0.00%
	Std Dev	0.003	0.009	0.006	0.54%	0.62%



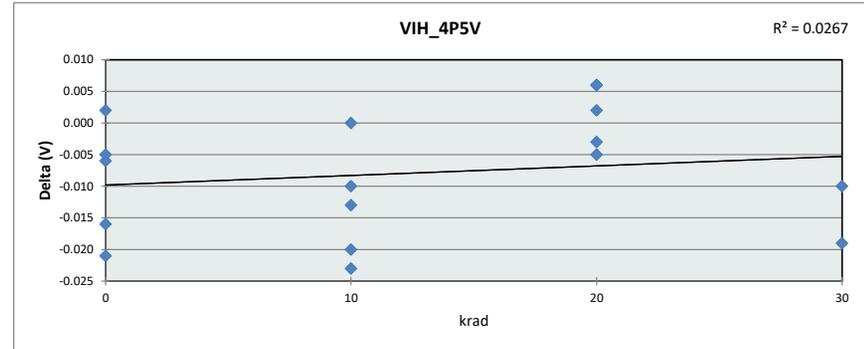
		VIH_3V					
		Units		V			
		Max Limit		2			
		Min Limit		0.8			
krad	LL	0	10	20	30	31	50
	LL	0.800	0.800	0.800	0.800	0.800	0.800
	Min	1.399	1.396	1.397	1.375	1.397	1.362
	Average	1.405	1.404	1.400	1.386	1.405	1.365
	Max	1.409	1.409	1.404	1.392	1.411	1.370
	UL	2.000	2.000	2.000	2.000	2.000	2.000



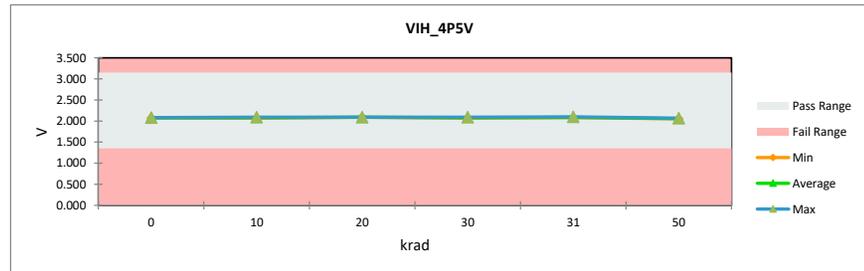
TID Report

SN54SC1G175-SEP

		VIH_4P5V				
Units		V				
Max Limit		3.15				
Min Limit		1.35				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.092	2.071	-0.021	-1.00%	1.17%
0	2	2.090	2.084	-0.006	-0.29%	0.33%
0	3	2.087	2.082	-0.005	-0.24%	0.28%
0	4	2.082	2.084	0.002	0.10%	0.11%
0	5	2.087	2.071	-0.016	-0.77%	0.89%
10	6	2.097	2.077	-0.020	-0.95%	1.11%
10	7	2.097	2.074	-0.023	-1.10%	1.28%
10	8	2.092	2.082	-0.010	-0.48%	0.56%
10	9	2.090	2.090	0.000	0.00%	0.00%
10	10	2.082	2.069	-0.013	-0.62%	0.72%
20	11	2.084	2.090	0.006	0.29%	0.33%
20	12	2.097	2.092	-0.005	-0.24%	0.28%
20	13	2.090	2.092	0.002	0.10%	0.11%
20	14	2.084	2.090	0.006	0.29%	0.33%
20	15	2.095	2.092	-0.003	-0.14%	0.17%
30	16	2.087	2.077	-0.010	-0.48%	0.56%
30	17	2.090	2.071	-0.019	-0.91%	1.06%
30	18	2.100	2.069	-0.031	-1.48%	1.72%
30	19	2.092	2.090	-0.002	-0.10%	0.11%
30	20	2.095	2.071	-0.024	-1.15%	1.33%
31	16a	2.087	2.087	0.000	0.00%	0.00%
31	17a	2.090	2.082	-0.008	-0.38%	0.44%
31	18a	2.100	2.084	-0.016	-0.76%	0.89%
31	19a	2.092	2.092	0.000	0.00%	0.00%
31	20a	2.095	2.100	0.005	0.24%	0.28%
50	21	2.084	2.053	-0.031	-1.49%	1.72%
50	22	2.092	2.056	-0.036	-1.72%	2.00%
50	23	2.087	2.053	-0.034	-1.63%	1.89%
50	24	2.087	2.058	-0.029	-1.39%	1.61%
50	25	2.092	2.069	-0.023	-1.10%	1.28%
	Max	2.097	2.092	-0.005	0.29%	1.28%
	Average	2.090	2.082	-0.008	-0.38%	0.55%
	Min	2.082	2.069	-0.013	-1.10%	0.00%
	Std Dev	0.005	0.008	0.003	0.46%	0.41%



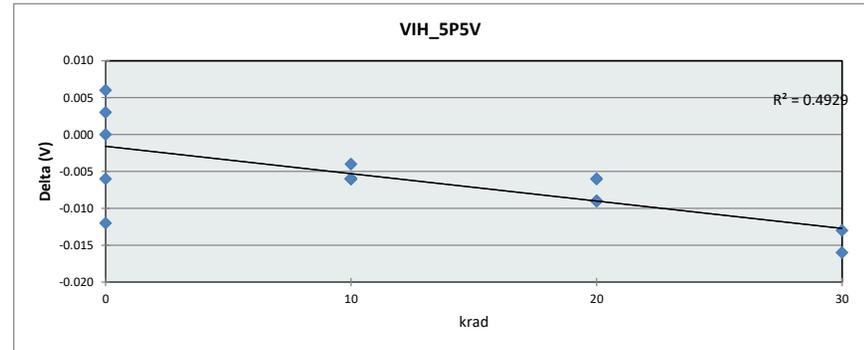
		VIH_4P5V					
Units		V					
Max Limit		3.15					
Min Limit		1.35					
krad		0	10	20	30	31	50
LL		1.350	1.350	1.350	1.350	1.350	1.350
Min		2.071	2.069	2.090	2.069	2.082	2.053
Average		2.078	2.078	2.091	2.076	2.089	2.058
Max		2.084	2.090	2.092	2.090	2.100	2.069
UL		3.150	3.150	3.150	3.150	3.150	3.150



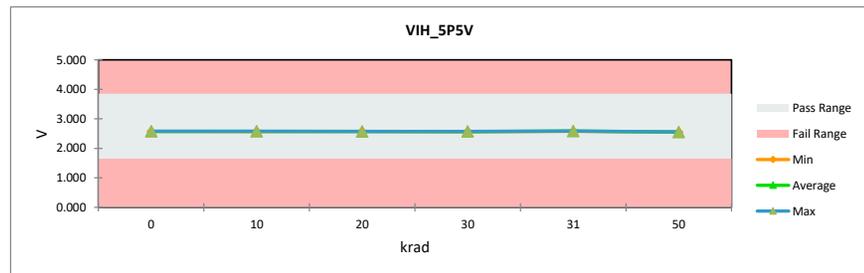
TID Report

SN54SC1G175-SEP

		VIH_5P5V				
		Units		V		
		Max Limit		3.85		
		Min Limit		1.65		
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.578	2.572	-0.006	-0.23%	0.27%
0	2	2.572	2.578	0.006	0.23%	0.27%
0	3	2.578	2.578	0.000	0.00%	0.00%
0	4	2.578	2.581	0.003	0.12%	0.14%
0	5	2.584	2.572	-0.012	-0.46%	0.55%
10	6	2.581	2.575	-0.006	-0.23%	0.27%
10	7	2.581	2.575	-0.006	-0.23%	0.27%
10	8	2.584	2.578	-0.006	-0.23%	0.27%
10	9	2.581	2.575	-0.006	-0.23%	0.27%
10	10	2.572	2.568	-0.004	-0.16%	0.18%
20	11	2.581	2.572	-0.009	-0.35%	0.41%
20	12	2.581	2.572	-0.009	-0.35%	0.41%
20	13	2.581	2.575	-0.006	-0.23%	0.27%
20	14	2.578	2.572	-0.006	-0.23%	0.27%
20	15	2.581	2.572	-0.009	-0.35%	0.41%
30	16	2.572	2.559	-0.013	-0.51%	0.59%
30	17	2.578	2.562	-0.016	-0.62%	0.73%
30	18	2.584	2.568	-0.016	-0.62%	0.73%
30	19	2.584	2.572	-0.012	-0.46%	0.55%
30	20	2.584	2.568	-0.016	-0.62%	0.73%
31	16a	2.572	2.581	0.009	0.35%	0.41%
31	17a	2.578	2.578	0.000	0.00%	0.00%
31	18a	2.584	2.588	0.004	0.15%	0.18%
31	19a	2.584	2.588	0.004	0.15%	0.18%
31	20a	2.584	2.588	0.004	0.15%	0.18%
50	21	2.578	2.549	-0.029	-1.12%	1.32%
50	22	2.581	2.552	-0.029	-1.12%	1.32%
50	23	2.581	2.549	-0.032	-1.24%	1.45%
50	24	2.581	2.556	-0.025	-0.97%	1.14%
50	25	2.584	2.556	-0.028	-1.08%	1.27%
	Max	2.584	2.581	-0.003	0.23%	0.73%
	Average	2.579	2.573	-0.006	-0.24%	0.33%
	Min	2.572	2.559	-0.013	-0.62%	0.00%
	Std Dev	0.004	0.006	0.002	0.21%	0.17%



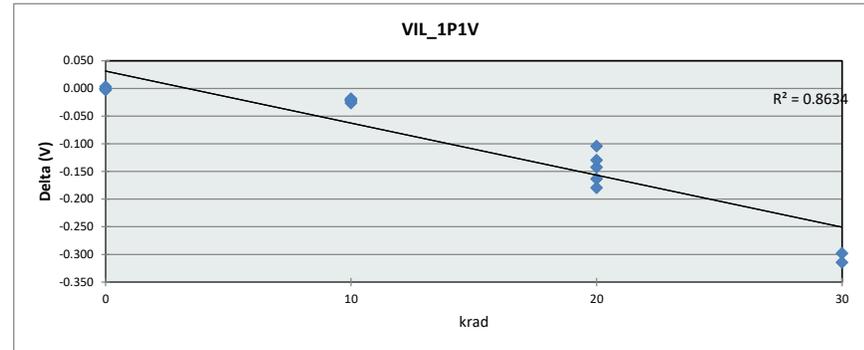
		VIH 5P5V					
		Units		V			
		Max Limit		3.85			
		Min Limit		1.65			
krad		0	10	20	30	31	50
LL		1.650	1.650	1.650	1.650	1.650	1.650
Min		2.572	2.568	2.572	2.559	2.578	2.549
Average		2.576	2.574	2.573	2.566	2.585	2.552
Max		2.581	2.578	2.575	2.572	2.588	2.556
UL		3.850	3.850	3.850	3.850	3.850	3.850



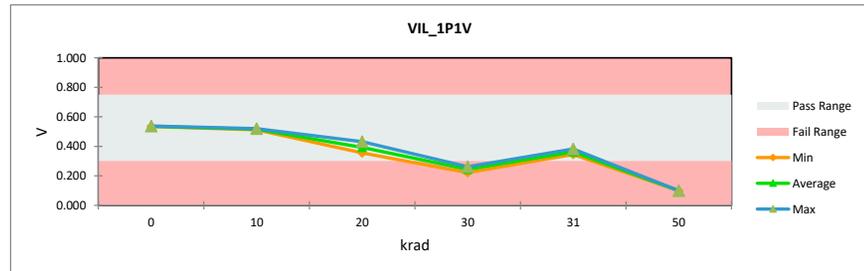
TID Report

SN54SC1G175-SEP

		VIL_1P1V				
		Units		V		
		Max Limit		0.75		
		Min Limit		0.3		
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.535	0.535	0.000	-0.07%	0.09%
0	2	0.536	0.536	0.000	0.00%	0.00%
0	3	0.535	0.535	0.000	-0.09%	0.11%
0	4	0.535	0.538	0.003	0.60%	0.71%
0	5	0.538	0.535	-0.003	-0.58%	0.69%
10	6	0.538	0.517	-0.021	-3.85%	4.60%
10	7	0.539	0.516	-0.023	-4.18%	5.00%
10	8	0.542	0.521	-0.021	-3.91%	4.71%
10	9	0.538	0.512	-0.027	-4.94%	5.91%
10	10	0.532	0.513	-0.019	-3.48%	4.11%
20	11	0.537	0.373	-0.163	-30.45%	36.31%
20	12	0.538	0.395	-0.142	-26.47%	31.62%
20	13	0.535	0.355	-0.180	-33.58%	39.91%
20	14	0.539	0.409	-0.130	-24.07%	28.80%
20	15	0.537	0.432	-0.104	-19.45%	23.20%
30	16	0.535	0.237	-0.298	-55.71%	66.22%
30	17	0.536	0.222	-0.314	-58.61%	69.84%
30	18	0.535	0.261	-0.274	-51.21%	60.93%
30	19	0.537	0.243	-0.294	-54.73%	65.33%
30	20	0.536	0.255	-0.281	-52.40%	62.44%
31	16a	0.535	0.345	-0.190	-35.43%	42.11%
31	17a	0.536	0.345	-0.192	-35.76%	42.62%
31	18a	0.535	0.378	-0.158	-29.44%	35.02%
31	19a	0.537	0.383	-0.155	-28.76%	34.33%
31	20a	0.536	0.358	-0.178	-33.25%	39.62%
50	21	0.536	0.100	-0.436	-81.42%	96.94%
50	22	0.537	0.100	-0.438	-81.47%	97.26%
50	23	0.539	0.100	-0.440	-81.54%	97.74%
50	24	0.536	0.100	-0.437	-81.44%	97.06%
50	25	0.539	0.100	-0.440	-81.54%	97.74%
	Max	0.542	0.538	-0.004	0.60%	69.84%
	Average	0.537	0.452	-0.085	-15.81%	18.93%
	Min	0.532	0.222	-0.310	-58.61%	0.00%
	Std Dev	0.002	0.105	0.103	19.50%	23.14%



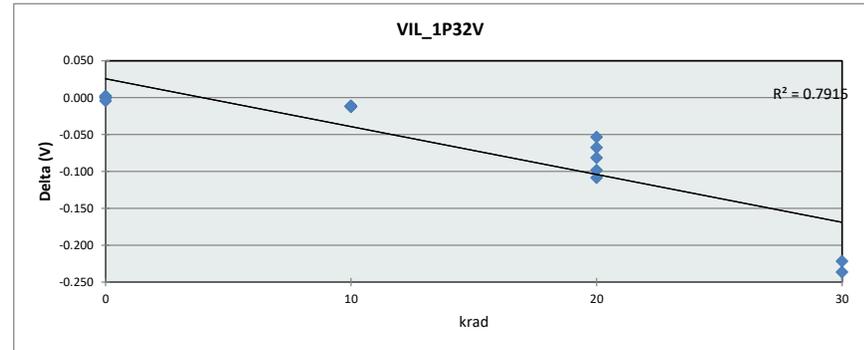
		VIL_1P1V							
		Units		V					
		Max Limit		0.75					
		Min Limit		0.3					
krad		0	10	20	30	31	50		
LL		0.300	0.300	0.300	0.300	0.300	0.300		
Min		0.535	0.512	0.355	0.222	0.345	0.100		
Average		0.536	0.516	0.393	0.244	0.362	0.100		
Max		0.538	0.521	0.432	0.261	0.383	0.100		
UL		0.750	0.750	0.750	0.750	0.750	0.750		



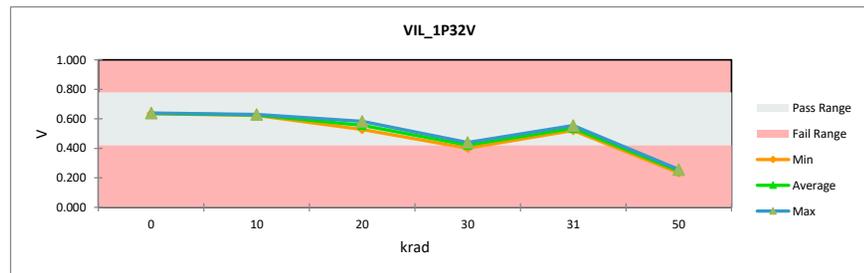
TID Report

SN54SC1G175-SEP

		VIL_1P32V				
Units		V				
Max Limit		0.78				
Min Limit		0.42				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.636	0.635	-0.001	-0.11%	0.19%
0	2	0.635	0.636	0.001	0.22%	0.39%
0	3	0.636	0.637	0.001	0.13%	0.22%
0	4	0.637	0.639	0.002	0.35%	0.61%
0	5	0.639	0.635	-0.004	-0.69%	1.22%
10	6	0.638	0.626	-0.012	-1.83%	3.25%
10	7	0.639	0.627	-0.012	-1.83%	3.25%
10	8	0.642	0.630	-0.012	-1.84%	3.28%
10	9	0.639	0.626	-0.012	-1.94%	3.44%
10	10	0.634	0.623	-0.011	-1.74%	3.06%
20	11	0.637	0.539	-0.098	-15.44%	27.33%
20	12	0.639	0.557	-0.081	-12.75%	22.61%
20	13	0.636	0.528	-0.109	-17.06%	30.17%
20	14	0.639	0.571	-0.067	-10.57%	18.75%
20	15	0.636	0.583	-0.054	-8.41%	14.86%
30	16	0.636	0.414	-0.222	-34.86%	61.56%
30	17	0.637	0.401	-0.236	-37.08%	65.64%
30	18	0.636	0.440	-0.196	-30.82%	54.42%
30	19	0.638	0.421	-0.217	-33.94%	60.14%
30	20	0.637	0.432	-0.205	-32.14%	56.89%
31	16a	0.636	0.523	-0.113	-17.78%	31.39%
31	17a	0.637	0.521	-0.116	-18.20%	32.22%
31	18a	0.636	0.546	-0.090	-14.08%	24.86%
31	19a	0.638	0.554	-0.084	-13.12%	23.25%
31	20a	0.637	0.535	-0.102	-16.01%	28.33%
50	21	0.636	0.234	-0.402	-63.18%	111.69%
50	22	0.638	0.240	-0.398	-62.35%	110.47%
50	23	0.639	0.251	-0.388	-60.71%	107.83%
50	24	0.637	0.255	-0.382	-60.01%	106.22%
50	25	0.640	0.257	-0.383	-59.85%	106.42%
Max		0.642	0.639	-0.002	0.35%	65.64%
Average		0.637	0.583	-0.055	-8.56%	15.28%
Min		0.634	0.401	-0.233	-37.08%	0.19%
Std Dev		0.002	0.076	0.074	11.83%	20.80%



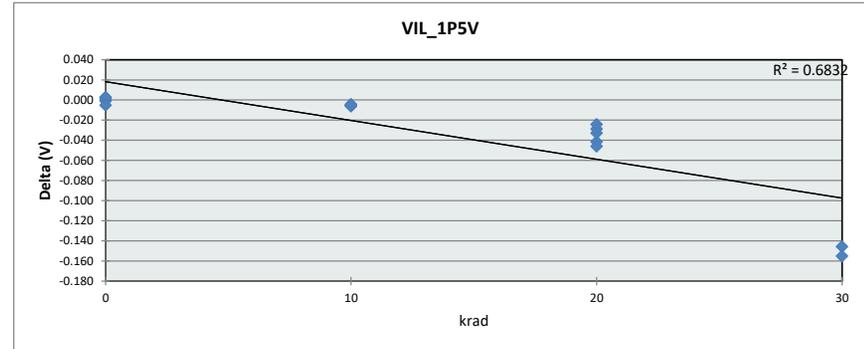
		VIL_1P32V								
Units		V								
Max Limit		0.78								
Min Limit		0.42								
krad	0	10	20	30	31	50				
LL	0.420	0.420	0.420	0.420	0.420	0.420				
Min	0.635	0.623	0.528	0.401	0.521	0.234				
Average	0.637	0.626	0.556	0.422	0.536	0.248				
Max	0.639	0.630	0.583	0.440	0.554	0.257				
UL	0.780	0.780	0.780	0.780	0.780	0.780				



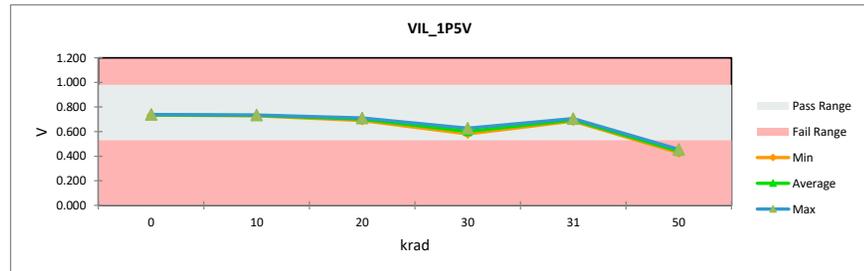
TID Report

SN54SC1G175-SEP

		VIL_1P5V				
Units		V				
Max Limit		0.98				
Min Limit		0.53				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.735	0.734	-0.001	-0.11%	0.18%
0	2	0.733	0.736	0.003	0.35%	0.58%
0	3	0.736	0.737	0.001	0.12%	0.20%
0	4	0.737	0.739	0.003	0.35%	0.58%
0	5	0.739	0.734	-0.005	-0.70%	1.16%
10	6	0.737	0.731	-0.006	-0.83%	1.36%
10	7	0.737	0.733	-0.004	-0.58%	0.96%
10	8	0.740	0.735	-0.005	-0.70%	1.16%
10	9	0.737	0.732	-0.005	-0.71%	1.16%
10	10	0.733	0.728	-0.005	-0.71%	1.16%
20	11	0.736	0.694	-0.042	-5.65%	9.24%
20	12	0.737	0.705	-0.033	-4.46%	7.31%
20	13	0.736	0.690	-0.046	-6.25%	10.22%
20	14	0.737	0.708	-0.029	-3.90%	6.38%
20	15	0.736	0.711	-0.024	-3.30%	5.40%
30	16	0.734	0.588	-0.146	-19.85%	32.38%
30	17	0.736	0.581	-0.155	-21.10%	34.49%
30	18	0.735	0.627	-0.108	-14.63%	23.89%
30	19	0.737	0.600	-0.136	-18.49%	30.27%
30	20	0.737	0.609	-0.128	-17.31%	28.33%
31	16a	0.734	0.687	-0.047	-6.39%	10.42%
31	17a	0.736	0.685	-0.051	-6.96%	11.38%
31	18a	0.735	0.698	-0.037	-5.08%	8.29%
31	19a	0.737	0.705	-0.031	-4.25%	6.96%
31	20a	0.737	0.696	-0.041	-5.54%	9.07%
50	21	0.735	0.428	-0.307	-41.78%	68.22%
50	22	0.737	0.435	-0.302	-40.97%	67.07%
50	23	0.737	0.439	-0.298	-40.45%	66.29%
50	24	0.737	0.456	-0.281	-38.15%	62.44%
50	25	0.739	0.446	-0.293	-39.66%	65.16%
	Max	0.740	0.739	-0.001	0.35%	34.49%
	Average	0.736	0.707	-0.029	-4.00%	6.70%
	Min	0.733	0.581	-0.153	-21.10%	0.18%
	Std Dev	0.002	0.049	0.047	6.55%	10.60%



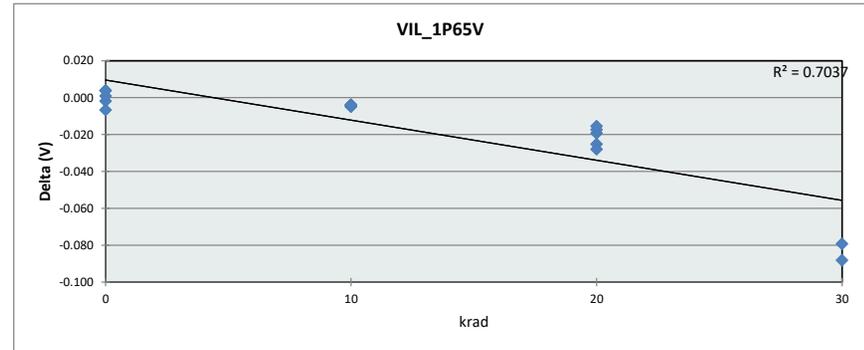
		VIL_1P5V				
Units		V				
Max Limit		0.98				
Min Limit		0.53				
krad	0	10	20	30	31	50
LL	0.530	0.530	0.530	0.530	0.530	0.530
Min	0.734	0.728	0.690	0.581	0.685	0.428
Average	0.736	0.732	0.702	0.601	0.694	0.441
Max	0.739	0.735	0.711	0.627	0.705	0.456
UL	0.980	0.980	0.980	0.980	0.980	0.980



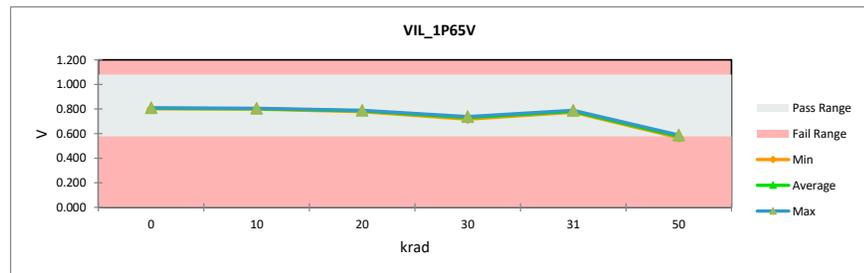
TID Report

SN54SC1G175-SEP

		VIL_1P65V				
Units		V				
Max Limit		1.08				
Min Limit		0.578				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.804	0.802	-0.002	-0.24%	0.38%
0	2	0.802	0.806	0.004	0.47%	0.76%
0	3	0.805	0.806	0.001	0.11%	0.18%
0	4	0.806	0.810	0.004	0.48%	0.78%
0	5	0.809	0.802	-0.007	-0.83%	1.33%
10	6	0.806	0.801	-0.005	-0.60%	0.96%
10	7	0.808	0.803	-0.005	-0.61%	0.98%
10	8	0.810	0.806	-0.004	-0.48%	0.78%
10	9	0.807	0.803	-0.004	-0.48%	0.78%
10	10	0.802	0.798	-0.004	-0.49%	0.78%
20	11	0.805	0.780	-0.025	-3.13%	5.02%
20	12	0.807	0.788	-0.019	-2.39%	3.84%
20	13	0.806	0.778	-0.028	-3.47%	5.58%
20	14	0.807	0.790	-0.017	-2.16%	3.47%
20	15	0.805	0.790	-0.016	-1.92%	3.09%
30	16	0.803	0.724	-0.079	-9.87%	15.80%
30	17	0.805	0.717	-0.088	-10.94%	17.55%
30	18	0.804	0.738	-0.067	-8.29%	13.29%
30	19	0.806	0.734	-0.073	-8.99%	14.44%
30	20	0.806	0.737	-0.070	-8.63%	13.86%
31	16a	0.803	0.776	-0.027	-3.36%	5.38%
31	17a	0.805	0.774	-0.031	-3.85%	6.18%
31	18a	0.804	0.782	-0.022	-2.76%	4.42%
31	19a	0.806	0.790	-0.016	-2.03%	3.27%
31	20a	0.806	0.783	-0.023	-2.88%	4.62%
50	21	0.805	0.567	-0.238	-29.56%	47.41%
50	22	0.806	0.572	-0.234	-29.04%	46.63%
50	23	0.807	0.576	-0.231	-28.65%	46.06%
50	24	0.806	0.589	-0.218	-26.99%	43.35%
50	25	0.809	0.583	-0.226	-27.97%	45.08%
Max		0.810	0.810	0.000	0.48%	17.55%
Average		0.806	0.789	-0.017	-2.15%	3.65%
Min		0.802	0.717	-0.085	-10.94%	0.18%
Std Dev		0.002	0.027	0.025	3.33%	5.19%



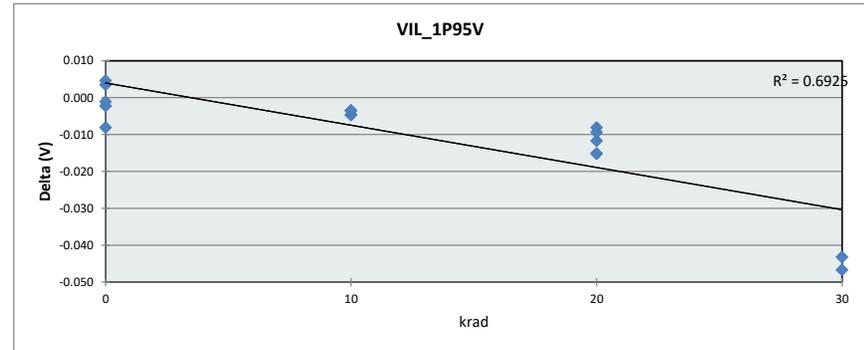
		VIL_1P65V							
Units		V							
Max Limit		1.08							
Min Limit		0.578							
krad	0	10	20	30	31	50			
LL	0.578	0.578	0.578	0.578	0.578	0.578			
Min	0.802	0.798	0.778	0.717	0.774	0.567			
Average	0.805	0.802	0.785	0.730	0.781	0.577			
Max	0.810	0.806	0.790	0.738	0.790	0.589			
UL	1.080	1.080	1.080	1.080	1.080	1.080			



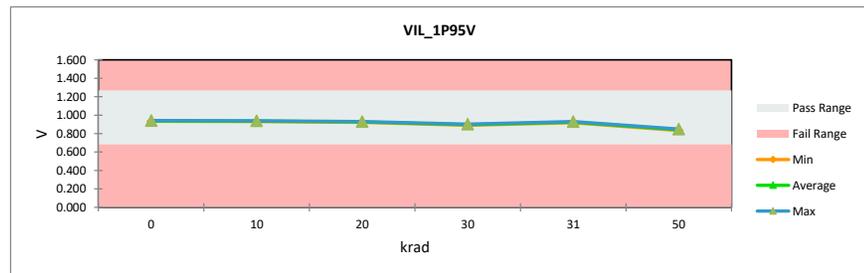
TID Report

SN54SC1G175-SEP

		VIL_1P95V				
Units		V				
Max Limit		1.27				
Min Limit		0.683				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.936	0.934	-0.002	-0.25%	0.39%
0	2	0.934	0.938	0.005	0.49%	0.78%
0	3	0.938	0.937	-0.001	-0.12%	0.19%
0	4	0.938	0.942	0.003	0.37%	0.60%
0	5	0.942	0.934	-0.008	-0.86%	1.38%
10	6	0.938	0.935	-0.004	-0.37%	0.60%
10	7	0.941	0.937	-0.003	-0.37%	0.60%
10	8	0.943	0.938	-0.005	-0.50%	0.80%
10	9	0.939	0.935	-0.005	-0.50%	0.80%
10	10	0.934	0.930	-0.003	-0.37%	0.60%
20	11	0.937	0.922	-0.015	-1.62%	2.59%
20	12	0.939	0.928	-0.012	-1.25%	1.99%
20	13	0.938	0.923	-0.015	-1.62%	2.59%
20	14	0.938	0.930	-0.008	-0.86%	1.38%
20	15	0.937	0.928	-0.009	-1.00%	1.60%
30	16	0.935	0.892	-0.043	-4.62%	7.36%
30	17	0.937	0.890	-0.047	-4.98%	7.96%
30	18	0.936	0.899	-0.037	-4.00%	6.37%
30	19	0.937	0.903	-0.034	-3.62%	5.78%
30	20	0.938	0.901	-0.037	-3.98%	6.35%
31	16a	0.935	0.921	-0.014	-1.50%	2.39%
31	17a	0.937	0.918	-0.019	-2.00%	3.19%
31	18a	0.936	0.923	-0.013	-1.38%	2.20%
31	19a	0.937	0.931	-0.006	-0.63%	1.01%
31	20a	0.938	0.927	-0.012	-1.24%	1.98%
50	21	0.937	0.833	-0.104	-11.09%	17.70%
50	22	0.938	0.840	-0.098	-10.45%	16.70%
50	23	0.938	0.839	-0.099	-10.57%	16.90%
50	24	0.938	0.850	-0.089	-9.45%	15.11%
50	25	0.941	0.846	-0.095	-10.06%	16.12%
	Max	0.943	0.942	-0.001	0.49%	7.96%
	Average	0.938	0.928	-0.010	-1.08%	1.89%
	Min	0.934	0.890	-0.043	-4.98%	0.19%
	Std Dev	0.003	0.015	0.012	1.52%	2.29%



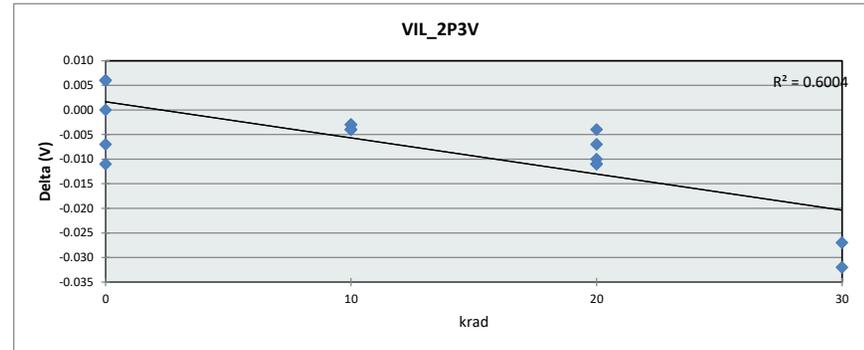
		VIL_1P95V				
Units		V				
Max Limit		1.27				
Min Limit		0.683				
krad	0	10	20	30	31	50
LL	0.683	0.683	0.683	0.683	0.683	0.683
Min	0.934	0.930	0.922	0.890	0.918	0.833
Average	0.937	0.935	0.926	0.897	0.924	0.842
Max	0.942	0.938	0.930	0.903	0.931	0.850
UL	1.270	1.270	1.270	1.270	1.270	1.270



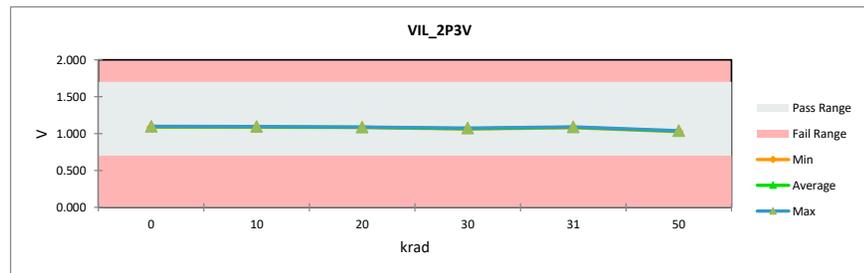
TID Report

SN54SC1G175-SEP

		VIL_2P3V				
Units		V				
Max Limit		1.7				
Min Limit		0.7				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.093	1.086	-0.007	-0.64%	0.70%
0	2	1.089	1.095	0.006	0.55%	0.60%
0	3	1.095	1.095	0.000	0.00%	0.00%
0	4	1.093	1.099	0.006	0.55%	0.60%
0	5	1.099	1.088	-0.011	-1.00%	1.10%
10	6	1.095	1.092	-0.003	-0.27%	0.30%
10	7	1.096	1.093	-0.003	-0.27%	0.30%
10	8	1.099	1.095	-0.004	-0.36%	0.40%
10	9	1.096	1.092	-0.004	-0.36%	0.40%
10	10	1.090	1.086	-0.004	-0.37%	0.40%
20	11	1.093	1.083	-0.010	-0.91%	1.00%
20	12	1.096	1.085	-0.011	-1.00%	1.10%
20	13	1.096	1.085	-0.011	-1.00%	1.10%
20	14	1.095	1.088	-0.007	-0.64%	0.70%
20	15	1.090	1.086	-0.004	-0.37%	0.40%
30	16	1.088	1.061	-0.027	-2.48%	2.70%
30	17	1.093	1.061	-0.032	-2.93%	3.20%
30	18	1.092	1.067	-0.025	-2.29%	2.50%
30	19	1.093	1.074	-0.019	-1.74%	1.90%
30	20	1.095	1.068	-0.027	-2.47%	2.70%
31	16a	1.088	1.083	-0.005	-0.46%	0.50%
31	17a	1.093	1.081	-0.012	-1.10%	1.20%
31	18a	1.092	1.085	-0.007	-0.64%	0.70%
31	19a	1.093	1.090	-0.003	-0.27%	0.30%
31	20a	1.095	1.088	-0.007	-0.64%	0.70%
50	21	1.093	1.026	-0.067	-6.13%	6.70%
50	22	1.090	1.032	-0.058	-5.32%	5.80%
50	23	1.095	1.029	-0.066	-6.03%	6.60%
50	24	1.092	1.039	-0.053	-4.85%	5.30%
50	25	1.096	1.036	-0.060	-5.47%	6.00%
Max		1.099	1.099	0.000	0.55%	3.20%
Average		1.094	1.086	-0.007	-0.68%	0.88%
Min		1.088	1.061	-0.027	-2.93%	0.00%
Std Dev		0.003	0.011	0.007	0.90%	0.85%



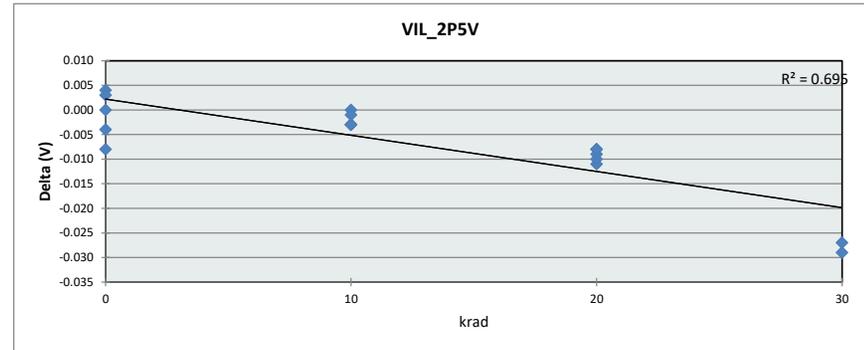
		VIL_2P3V				
Units		V				
Max Limit		1.7				
Min Limit		0.7				
krad	0	10	20	30	31	50
LL	0.700	0.700	0.700	0.700	0.700	0.700
Min	1.086	1.086	1.083	1.061	1.081	1.026
Average	1.093	1.092	1.085	1.066	1.085	1.032
Max	1.099	1.095	1.088	1.074	1.090	1.039
UL	1.700	1.700	1.700	1.700	1.700	1.700



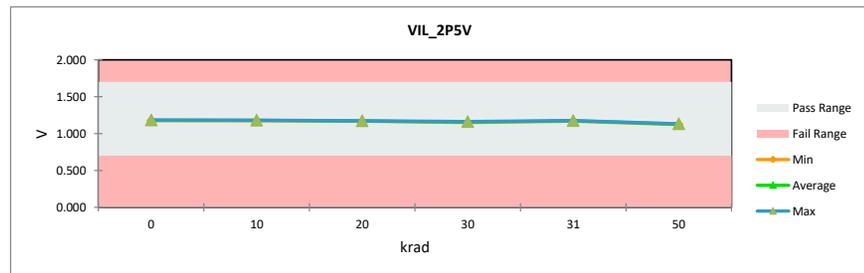
TID Report

SN54SC1G175-SEP

		VIL_2P5V				
Units		V				
Max Limit		1.7				
Min Limit		0.7				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.180	1.176	-0.004	-0.34%	0.40%
0	2	1.176	1.180	0.004	0.34%	0.40%
0	3	1.182	1.182	0.000	0.00%	0.00%
0	4	1.182	1.185	0.003	0.25%	0.30%
0	5	1.185	1.177	-0.008	-0.68%	0.80%
10	6	1.180	1.177	-0.003	-0.25%	0.30%
10	7	1.180	1.180	0.000	0.00%	0.00%
10	8	1.185	1.182	-0.003	-0.25%	0.30%
10	9	1.182	1.179	-0.003	-0.25%	0.30%
10	10	1.174	1.173	-0.001	-0.09%	0.10%
20	11	1.180	1.169	-0.011	-0.93%	1.10%
20	12	1.182	1.174	-0.008	-0.68%	0.80%
20	13	1.183	1.173	-0.010	-0.85%	1.00%
20	14	1.180	1.171	-0.009	-0.76%	0.90%
20	15	1.182	1.174	-0.008	-0.68%	0.80%
30	16	1.176	1.149	-0.027	-2.30%	2.70%
30	17	1.180	1.151	-0.029	-2.46%	2.90%
30	18	1.179	1.156	-0.023	-1.95%	2.30%
30	19	1.182	1.162	-0.020	-1.69%	2.00%
30	20	1.182	1.157	-0.025	-2.12%	2.50%
31	16a	1.176	1.171	-0.005	-0.43%	0.50%
31	17a	1.180	1.168	-0.012	-1.02%	1.20%
31	18a	1.179	1.173	-0.006	-0.51%	0.60%
31	19a	1.182	1.177	-0.005	-0.42%	0.50%
31	20a	1.182	1.176	-0.006	-0.51%	0.60%
50	21	1.179	1.122	-0.057	-4.83%	5.70%
50	22	1.182	1.126	-0.056	-4.74%	5.60%
50	23	1.180	1.123	-0.057	-4.83%	5.70%
50	24	1.182	1.133	-0.049	-4.15%	4.90%
50	25	1.185	1.131	-0.054	-4.56%	5.40%
	Max	1.185	1.185	0.000	0.34%	2.90%
	Average	1.181	1.174	-0.007	-0.58%	0.77%
	Min	1.174	1.149	-0.025	-2.46%	0.00%
	Std Dev	0.003	0.010	0.007	0.77%	0.84%



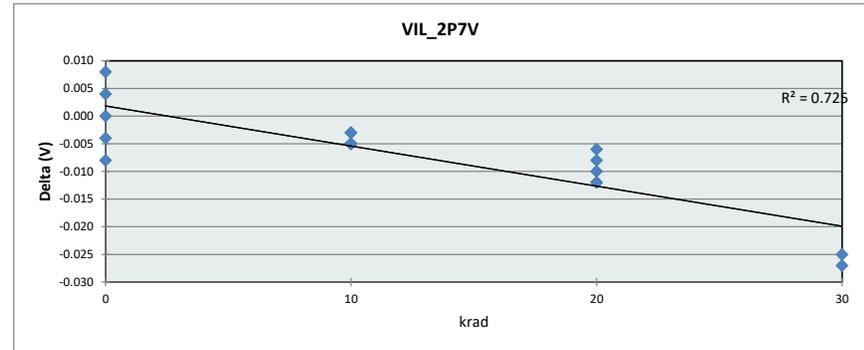
		VIL_2P5V					
Units		V					
Max Limit		1.7					
Min Limit		0.7					
krad		0	10	20	30	31	50
LL		0.700	0.700	0.700	0.700	0.700	0.700
Min		1.176	1.173	1.169	1.149	1.168	1.122
Average		1.180	1.178	1.172	1.155	1.173	1.127
Max		1.185	1.182	1.174	1.162	1.177	1.133
UL		1.700	1.700	1.700	1.700	1.700	1.700



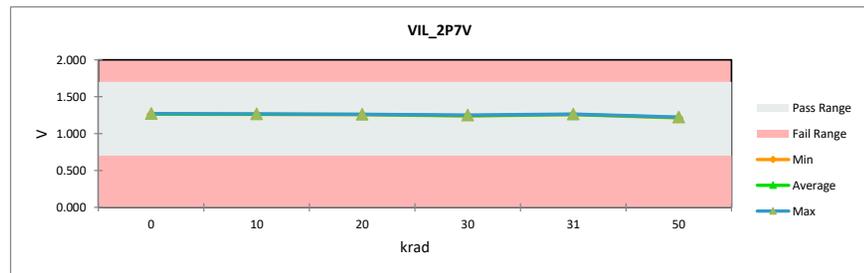
TID Report

SN54SC1G175-SEP

		VIL_2P7V				
Units		V				
Max Limit		1.7				
Min Limit		0.7				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.266	1.262	-0.004	-0.32%	0.40%
0	2	1.262	1.266	0.004	0.32%	0.40%
0	3	1.267	1.267	0.000	0.00%	0.00%
0	4	1.264	1.272	0.008	0.63%	0.80%
0	5	1.272	1.264	-0.008	-0.63%	0.80%
10	6	1.267	1.262	-0.005	-0.39%	0.50%
10	7	1.269	1.266	-0.003	-0.24%	0.30%
10	8	1.272	1.267	-0.005	-0.39%	0.50%
10	9	1.269	1.264	-0.005	-0.39%	0.50%
10	10	1.262	1.259	-0.003	-0.24%	0.30%
20	11	1.267	1.257	-0.010	-0.79%	1.00%
20	12	1.269	1.257	-0.012	-0.95%	1.20%
20	13	1.271	1.259	-0.012	-0.94%	1.20%
20	14	1.267	1.259	-0.008	-0.63%	0.80%
20	15	1.267	1.261	-0.006	-0.47%	0.60%
30	16	1.262	1.237	-0.025	-1.98%	2.50%
30	17	1.266	1.239	-0.027	-2.13%	2.70%
30	18	1.266	1.244	-0.022	-1.74%	2.20%
30	19	1.269	1.251	-0.018	-1.42%	1.80%
30	20	1.267	1.246	-0.021	-1.66%	2.10%
31	16a	1.262	1.259	-0.003	-0.24%	0.30%
31	17a	1.266	1.256	-0.010	-0.79%	1.00%
31	18a	1.266	1.259	-0.007	-0.55%	0.70%
31	19a	1.269	1.264	-0.005	-0.39%	0.50%
31	20a	1.267	1.264	-0.003	-0.24%	0.30%
50	21	1.267	1.212	-0.055	-4.34%	5.50%
50	22	1.269	1.217	-0.052	-4.10%	5.20%
50	23	1.267	1.216	-0.051	-4.03%	5.10%
50	24	1.267	1.224	-0.043	-3.39%	4.30%
50	25	1.271	1.222	-0.049	-3.86%	4.90%
	Max	1.272	1.272	0.000	0.63%	2.70%
	Average	1.267	1.260	-0.007	-0.56%	0.85%
	Min	1.262	1.237	-0.025	-2.13%	0.00%
	Std Dev	0.003	0.009	0.006	0.69%	0.73%



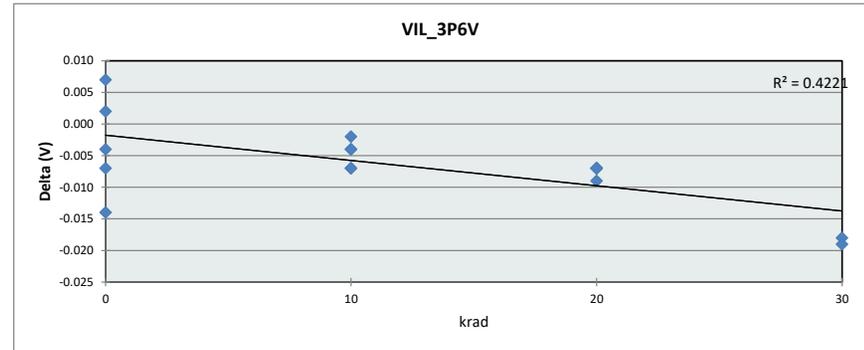
		VIL_2P7V				
Units		V				
Max Limit		1.7				
Min Limit		0.7				
krad	LL	Min	Average	Max	UL	
0	0.700	1.262	1.266	1.272	1.700	
10	0.700	1.259	1.264	1.267	1.700	
20	0.700	1.257	1.259	1.261	1.700	
30	0.700	1.237	1.243	1.251	1.700	
31	0.700	1.256	1.260	1.264	1.700	
50	0.700	1.212	1.218	1.224	1.700	



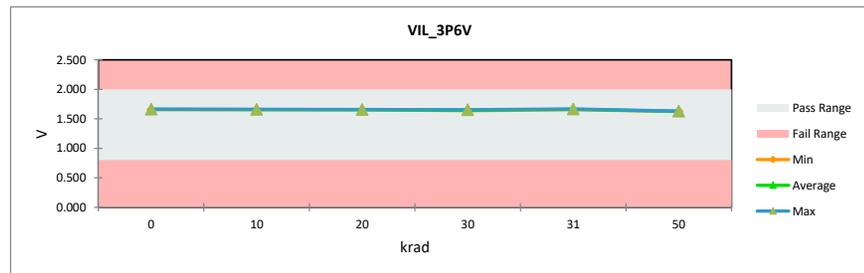
TID Report

SN54SC1G175-SEP

		VIL_3P6V				
Units		V				
Max Limit		2				
Min Limit		0.8				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.663	1.656	-0.007	-0.42%	0.58%
0	2	1.656	1.663	0.007	0.42%	0.58%
0	3	1.665	1.661	-0.004	-0.24%	0.33%
0	4	1.663	1.665	0.002	0.12%	0.17%
0	5	1.670	1.656	-0.014	-0.84%	1.17%
10	6	1.665	1.658	-0.007	-0.42%	0.58%
10	7	1.665	1.658	-0.007	-0.42%	0.58%
10	8	1.667	1.663	-0.004	-0.24%	0.33%
10	9	1.665	1.661	-0.004	-0.24%	0.33%
10	10	1.656	1.654	-0.002	-0.12%	0.17%
20	11	1.663	1.654	-0.009	-0.54%	0.75%
20	12	1.663	1.656	-0.007	-0.42%	0.58%
20	13	1.665	1.658	-0.007	-0.42%	0.58%
20	14	1.663	1.656	-0.007	-0.42%	0.58%
20	15	1.663	1.656	-0.007	-0.42%	0.58%
30	16	1.656	1.638	-0.018	-1.09%	1.50%
30	17	1.661	1.642	-0.019	-1.14%	1.58%
30	18	1.665	1.645	-0.020	-1.20%	1.67%
30	19	1.665	1.654	-0.011	-0.66%	0.92%
30	20	1.667	1.647	-0.020	-1.20%	1.67%
31	16a	1.656	1.658	0.002	0.12%	0.17%
31	17a	1.661	1.656	-0.005	-0.30%	0.42%
31	18a	1.665	1.663	-0.002	-0.12%	0.17%
31	19a	1.665	1.665	0.000	0.00%	0.00%
31	20a	1.667	1.667	0.000	0.00%	0.00%
50	21	1.663	1.624	-0.039	-2.35%	3.25%
50	22	1.663	1.626	-0.037	-2.22%	3.08%
50	23	1.665	1.624	-0.041	-2.46%	3.42%
50	24	1.663	1.631	-0.032	-1.92%	2.67%
50	25	1.667	1.629	-0.038	-2.28%	3.17%
	Max	1.670	1.665	-0.005	0.42%	1.58%
	Average	1.663	1.656	-0.007	-0.40%	0.65%
	Min	1.656	1.638	-0.018	-1.14%	0.17%
	Std Dev	0.004	0.007	0.003	0.38%	0.41%



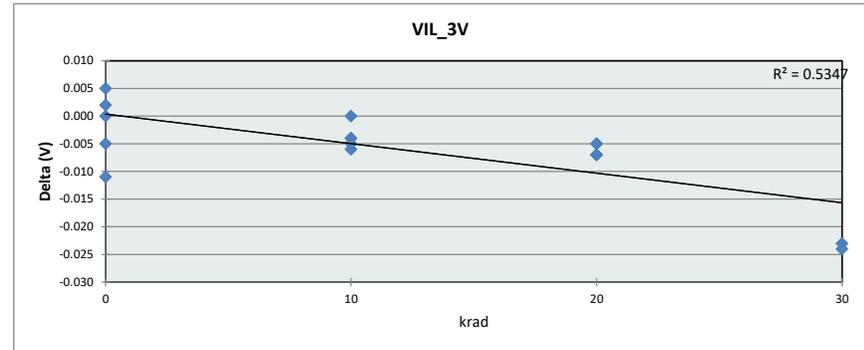
		VIL_3P6V									
Units		V									
Max Limit		2									
Min Limit		0.8									
krad	LL	Min	Average	Max	UL	0	10	20	30	31	50
	LL	0.800	0.800	0.800	0.800	0.800	0.800	0.800	0.800	0.800	0.800
	Min	1.656	1.654	1.654	1.638	1.656	1.624				
	Average	1.660	1.659	1.656	1.645	1.662	1.627				
	Max	1.665	1.663	1.658	1.654	1.667	1.631				
	UL	2.000	2.000	2.000	2.000	2.000	2.000				



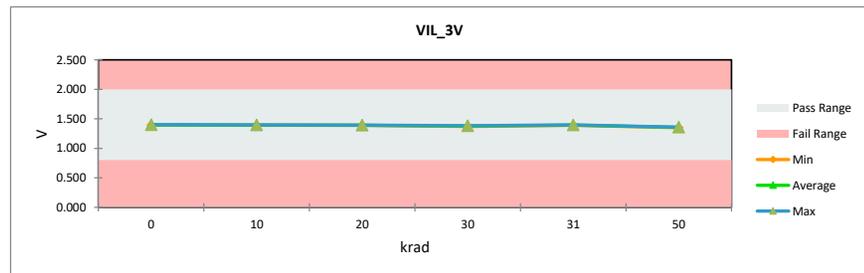
TID Report

SN54SC1G175-SEP

		VIL_3V				
Units		V				
Max Limit		2				
Min Limit		0.8				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.398	1.393	-0.005	-0.36%	0.42%
0	2	1.393	1.398	0.005	0.36%	0.42%
0	3	1.398	1.398	0.000	0.00%	0.00%
0	4	1.400	1.402	0.002	0.14%	0.17%
0	5	1.404	1.393	-0.011	-0.78%	0.92%
10	6	1.394	1.394	0.000	0.00%	0.00%
10	7	1.400	1.396	-0.004	-0.29%	0.33%
10	8	1.402	1.398	-0.004	-0.29%	0.33%
10	9	1.400	1.394	-0.006	-0.43%	0.50%
10	10	1.394	1.389	-0.005	-0.36%	0.42%
20	11	1.396	1.389	-0.007	-0.50%	0.58%
20	12	1.400	1.393	-0.007	-0.50%	0.58%
20	13	1.400	1.393	-0.007	-0.50%	0.58%
20	14	1.396	1.391	-0.005	-0.36%	0.42%
20	15	1.398	1.393	-0.005	-0.36%	0.42%
30	16	1.393	1.370	-0.023	-1.65%	1.92%
30	17	1.396	1.372	-0.024	-1.72%	2.00%
30	18	1.398	1.376	-0.022	-1.57%	1.83%
30	19	1.402	1.383	-0.019	-1.36%	1.58%
30	20	1.400	1.380	-0.020	-1.43%	1.67%
31	16a	1.393	1.393	0.000	0.00%	0.00%
31	17a	1.396	1.389	-0.007	-0.50%	0.58%
31	18a	1.398	1.393	-0.005	-0.36%	0.42%
31	19a	1.402	1.396	-0.006	-0.43%	0.50%
31	20a	1.400	1.398	-0.002	-0.14%	0.17%
50	21	1.398	1.350	-0.048	-3.43%	4.00%
50	22	1.400	1.355	-0.045	-3.21%	3.75%
50	23	1.400	1.352	-0.048	-3.43%	4.00%
50	24	1.398	1.359	-0.039	-2.79%	3.25%
50	25	1.402	1.359	-0.043	-3.07%	3.58%
Max		1.404	1.402	-0.002	0.36%	2.00%
Average		1.398	1.392	-0.006	-0.45%	0.59%
Min		1.393	1.370	-0.023	-1.72%	0.00%
Std Dev		0.003	0.008	0.005	0.54%	0.56%



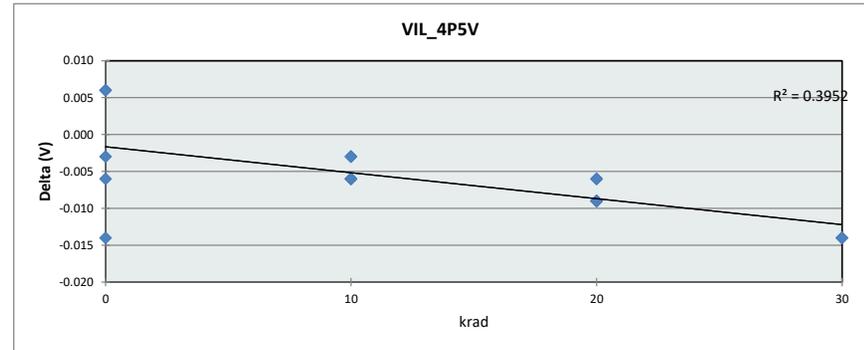
		VIL_3V							
Units		V							
Max Limit		2							
Min Limit		0.8							
krad	0	10	20	30	31	50			
LL	0.800	0.800	0.800	0.800	0.800	0.800			
Min	1.393	1.389	1.389	1.370	1.389	1.350			
Average	1.397	1.394	1.392	1.376	1.394	1.355			
Max	1.402	1.398	1.393	1.383	1.398	1.359			
UL	2.000	2.000	2.000	2.000	2.000	2.000			



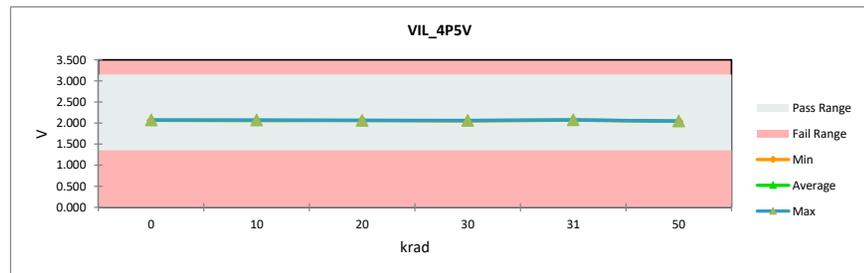
TID Report

SN54SC1G175-SEP

		VIL_4P5V				
Units		V				
Max Limit		3.15				
Min Limit		1.35				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.068	2.062	-0.006	-0.29%	0.33%
0	2	2.062	2.068	0.006	0.29%	0.33%
0	3	2.071	2.068	-0.003	-0.14%	0.17%
0	4	2.068	2.074	0.006	0.29%	0.33%
0	5	2.076	2.062	-0.014	-0.67%	0.78%
10	6	2.071	2.065	-0.006	-0.29%	0.33%
10	7	2.071	2.068	-0.003	-0.14%	0.17%
10	8	2.074	2.071	-0.003	-0.14%	0.17%
10	9	2.071	2.065	-0.006	-0.29%	0.33%
10	10	2.065	2.059	-0.006	-0.29%	0.33%
20	11	2.071	2.062	-0.009	-0.43%	0.50%
20	12	2.071	2.062	-0.009	-0.43%	0.50%
20	13	2.071	2.065	-0.006	-0.29%	0.33%
20	14	2.071	2.062	-0.009	-0.43%	0.50%
20	15	2.071	2.065	-0.006	-0.29%	0.33%
30	16	2.065	2.051	-0.014	-0.68%	0.78%
30	17	2.068	2.054	-0.014	-0.68%	0.78%
30	18	2.074	2.059	-0.015	-0.72%	0.83%
30	19	2.074	2.062	-0.012	-0.58%	0.67%
30	20	2.074	2.062	-0.012	-0.58%	0.67%
31	16a	2.065	2.068	0.003	0.15%	0.17%
31	17a	2.068	2.068	0.000	0.00%	0.00%
31	18a	2.074	2.074	0.000	0.00%	0.00%
31	19a	2.074	2.076	0.002	0.10%	0.11%
31	20a	2.074	2.076	0.002	0.10%	0.11%
50	21	2.071	2.042	-0.029	-1.40%	1.61%
50	22	2.071	2.045	-0.026	-1.26%	1.44%
50	23	2.074	2.042	-0.032	-1.54%	1.78%
50	24	2.071	2.048	-0.023	-1.11%	1.28%
50	25	2.074	2.048	-0.026	-1.25%	1.44%
	Max	2.076	2.074	-0.002	0.29%	0.78%
	Average	2.070	2.064	-0.006	-0.29%	0.41%
	Min	2.062	2.051	-0.011	-0.68%	0.17%
	Std Dev	0.003	0.006	0.002	0.28%	0.20%



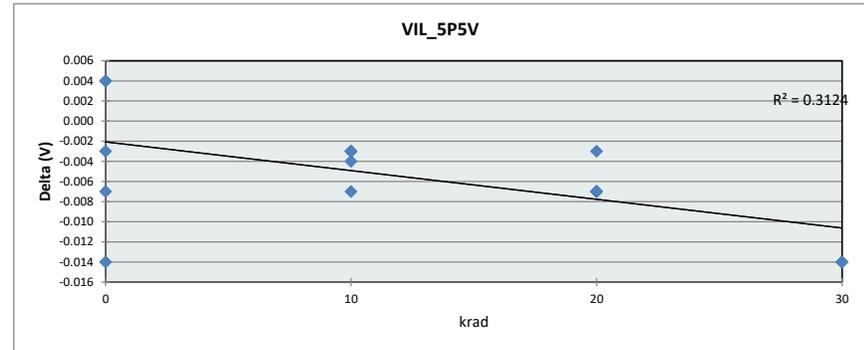
		VIL_4P5V									
Units		V									
Max Limit		3.15									
Min Limit		1.35									
krad	LL	Min	Average	Max	UL	0	10	20	30	31	50
	LL	1.350	1.350	1.350	1.350	1.350	1.350	1.350	1.350	1.350	1.350
	Min	2.062	2.059	2.062	2.051	2.068	2.042				
	Average	2.067	2.066	2.063	2.058	2.072	2.045				
	Max	2.074	2.071	2.065	2.062	2.076	2.048				
	UL	3.150	3.150	3.150	3.150	3.150	3.150				



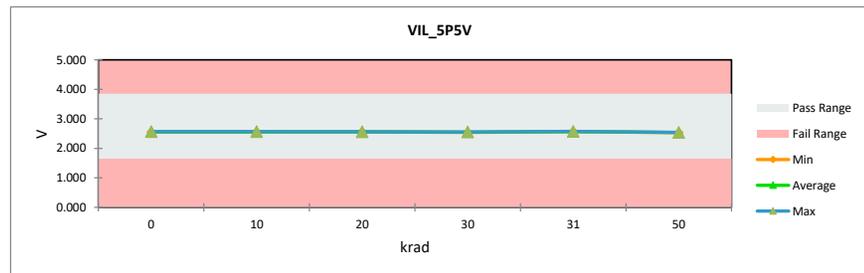
TID Report

SN54SC1G175-SEP

		VIL_5P5V				
Units		V				
Max Limit		3.85				
Min Limit		1.65				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.564	2.557	-0.007	-0.27%	0.32%
0	2	2.557	2.561	0.004	0.16%	0.18%
0	3	2.564	2.561	-0.003	-0.12%	0.14%
0	4	2.564	2.568	0.004	0.16%	0.18%
0	5	2.568	2.554	-0.014	-0.55%	0.64%
10	6	2.564	2.557	-0.007	-0.27%	0.32%
10	7	2.564	2.561	-0.003	-0.12%	0.14%
10	8	2.568	2.564	-0.004	-0.16%	0.18%
10	9	2.564	2.561	-0.003	-0.12%	0.14%
10	10	2.557	2.554	-0.003	-0.12%	0.14%
20	11	2.564	2.557	-0.007	-0.27%	0.32%
20	12	2.564	2.557	-0.007	-0.27%	0.32%
20	13	2.564	2.561	-0.003	-0.12%	0.14%
20	14	2.564	2.557	-0.007	-0.27%	0.32%
20	15	2.564	2.557	-0.007	-0.27%	0.32%
30	16	2.557	2.543	-0.014	-0.55%	0.64%
30	17	2.561	2.547	-0.014	-0.55%	0.64%
30	18	2.568	2.550	-0.018	-0.70%	0.82%
30	19	2.564	2.554	-0.010	-0.39%	0.45%
30	20	2.568	2.554	-0.014	-0.55%	0.64%
31	16a	2.557	2.564	0.007	0.27%	0.32%
31	17a	2.561	2.564	0.003	0.12%	0.14%
31	18a	2.568	2.571	0.003	0.12%	0.14%
31	19a	2.564	2.571	0.007	0.27%	0.32%
31	20a	2.568	2.575	0.007	0.27%	0.32%
50	21	2.564	2.533	-0.031	-1.21%	1.41%
50	22	2.564	2.536	-0.028	-1.09%	1.27%
50	23	2.564	2.533	-0.031	-1.21%	1.41%
50	24	2.564	2.540	-0.024	-0.94%	1.09%
50	25	2.568	2.540	-0.028	-1.09%	1.27%
Max		2.568	2.568	0.000	0.16%	0.64%
Average		2.563	2.557	-0.006	-0.22%	0.30%
Min		2.557	2.543	-0.014	-0.55%	0.14%
Std Dev		0.003	0.006	0.003	0.21%	0.18%



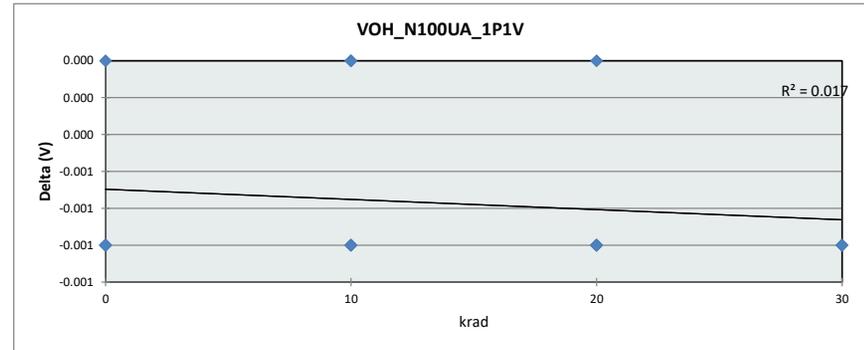
		VIL_5P5V				
Units		V				
Max Limit		3.85				
Min Limit		1.65				
krad	0	10	20	30	31	50
LL	1.650	1.650	1.650	1.650	1.650	1.650
Min	2.554	2.554	2.557	2.543	2.564	2.533
Average	2.560	2.559	2.558	2.550	2.569	2.536
Max	2.568	2.564	2.561	2.554	2.575	2.540
UL	3.850	3.850	3.850	3.850	3.850	3.850



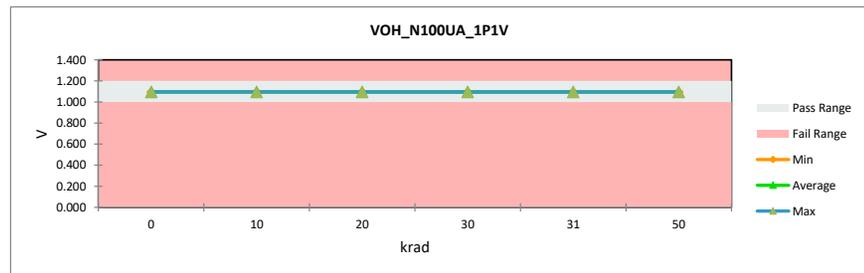
TID Report

SN54SC1G175-SEP

		VOH_N100UA_1P1V				
		Units		V		
		Max Limit		1.2		
		Min Limit		1		
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.096	1.095	-0.001	-0.09%	0.50%
0	2	1.096	1.096	0.000	0.00%	0.00%
0	3	1.096	1.095	-0.001	-0.09%	0.50%
0	4	1.096	1.095	-0.001	-0.09%	0.50%
0	5	1.096	1.095	-0.001	-0.09%	0.50%
10	6	1.096	1.096	0.000	0.00%	0.00%
10	7	1.096	1.095	-0.001	-0.09%	0.50%
10	8	1.096	1.095	-0.001	-0.09%	0.50%
10	9	1.096	1.095	-0.001	-0.09%	0.50%
10	10	1.096	1.096	0.000	0.00%	0.00%
20	11	1.096	1.095	-0.001	-0.09%	0.50%
20	12	1.095	1.095	0.000	0.00%	0.00%
20	13	1.096	1.095	-0.001	-0.09%	0.50%
20	14	1.096	1.095	-0.001	-0.09%	0.50%
20	15	1.096	1.095	-0.001	-0.09%	0.50%
30	16	1.096	1.095	-0.001	-0.09%	0.50%
30	17	1.096	1.095	-0.001	-0.09%	0.50%
30	18	1.096	1.095	-0.001	-0.09%	0.50%
30	19	1.096	1.095	-0.001	-0.09%	0.50%
30	20	1.096	1.095	-0.001	-0.09%	0.50%
31	16a	1.096	1.095	-0.001	-0.09%	0.50%
31	17a	1.096	1.095	-0.001	-0.09%	0.50%
31	18a	1.096	1.095	-0.001	-0.09%	0.50%
31	19a	1.096	1.095	-0.001	-0.09%	0.50%
31	20a	1.096	1.095	-0.001	-0.09%	0.50%
50	21	1.096	1.095	-0.001	-0.09%	0.50%
50	22	1.096	1.095	-0.001	-0.09%	0.50%
50	23	1.096	1.095	-0.001	-0.09%	0.50%
50	24	1.096	1.095	-0.001	-0.09%	0.50%
50	25	1.096	1.095	-0.001	-0.09%	0.50%
	Max	1.096	1.096	0.000	0.00%	0.50%
	Average	1.096	1.095	-0.001	-0.07%	0.38%
	Min	1.095	1.095	0.000	-0.09%	0.00%
	Std Dev	0.000	0.000	0.000	0.04%	0.22%



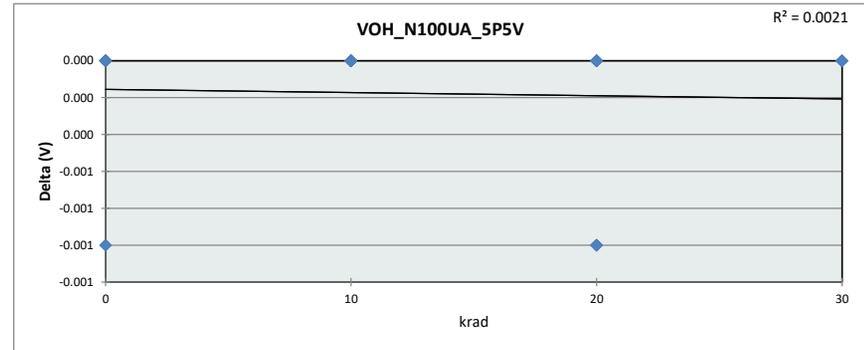
		VOH_N100UA_1P1V					
		Units					
		V					
		Max Limit					
		1.2					
		Min Limit					
		1					
krad		0	10	20	30	31	50
LL		1.000	1.000	1.000	1.000	1.000	1.000
Min		1.095	1.095	1.095	1.095	1.095	1.095
Average		1.095	1.095	1.095	1.095	1.095	1.095
Max		1.096	1.096	1.095	1.095	1.095	1.095
UL		1.200	1.200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



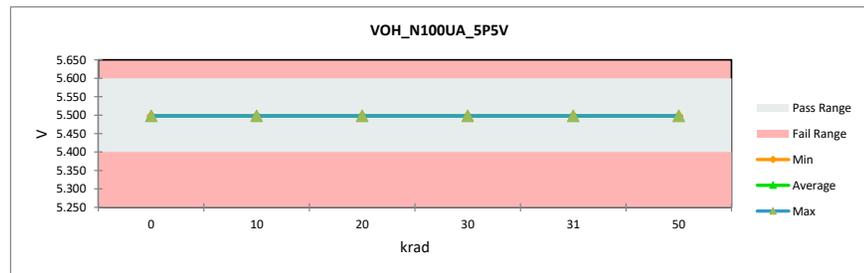
TID Report

SN54SC1G175-SEP

VOH_N100UA_5P5V						
Units	V					
Max Limit	5.6					
Min Limit	5.4					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	5.498	5.498	0.000	0.00%	0.00%
0	2	5.499	5.498	-0.001	-0.02%	0.50%
0	3	5.498	5.498	0.000	0.00%	0.00%
0	4	5.498	5.498	0.000	0.00%	0.00%
0	5	5.498	5.498	0.000	0.00%	0.00%
10	6	5.498	5.498	0.000	0.00%	0.00%
10	7	5.498	5.498	0.000	0.00%	0.00%
10	8	5.498	5.498	0.000	0.00%	0.00%
10	9	5.498	5.498	0.000	0.00%	0.00%
10	10	5.498	5.498	0.000	0.00%	0.00%
20	11	5.498	5.498	0.000	0.00%	0.00%
20	12	5.499	5.498	-0.001	-0.02%	0.50%
20	13	5.498	5.498	0.000	0.00%	0.00%
20	14	5.498	5.498	0.000	0.00%	0.00%
20	15	5.499	5.498	-0.001	-0.02%	0.50%
30	16	5.498	5.498	0.000	0.00%	0.00%
30	17	5.498	5.498	0.000	0.00%	0.00%
30	18	5.499	5.498	-0.001	-0.02%	0.50%
30	19	5.498	5.498	0.000	0.00%	0.00%
30	20	5.498	5.498	0.000	0.00%	0.00%
31	16a	5.498	5.498	0.000	0.00%	0.00%
31	17a	5.498	5.498	0.000	0.00%	0.00%
31	18a	5.499	5.498	-0.001	-0.02%	0.50%
31	19a	5.498	5.498	0.000	0.00%	0.00%
31	20a	5.498	5.498	0.000	0.00%	0.00%
50	21	5.498	5.498	0.000	0.00%	0.00%
50	22	5.498	5.498	0.000	0.00%	0.00%
50	23	5.498	5.498	0.000	0.00%	0.00%
50	24	5.498	5.498	0.000	0.00%	0.00%
50	25	5.498	5.498	0.000	0.00%	0.00%
Max		5.499	5.498	-0.001	0.00%	0.50%
Average		5.498	5.498	0.000	0.00%	0.09%
Min		5.498	5.498	0.000	-0.02%	0.00%
Std Dev		0.000	0.000	0.000	0.01%	0.20%



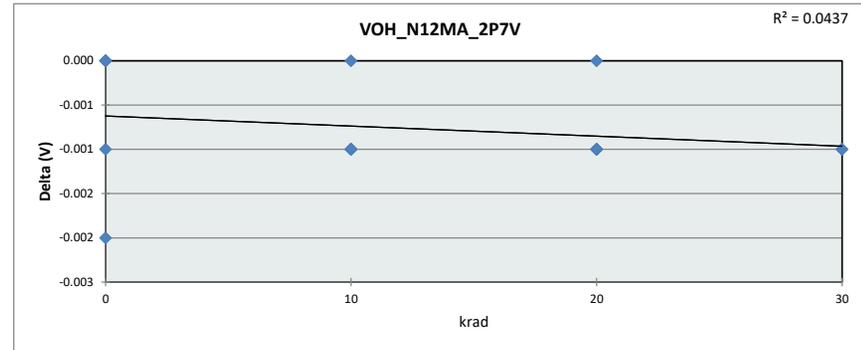
VOH N100UA 5P5V						
Units	V					
Max Limit	5.6					
Min Limit	5.4					
krad	0	10	20	30	31	50
LL	5.400	5.400	5.400	5.400	5.400	5.400
Min	5.498	5.498	5.498	5.498	5.498	5.498
Average	5.498	5.498	5.498	5.498	5.498	5.498
Max	5.498	5.498	5.498	5.498	5.498	5.498
UL	5.600	5.600	5.600	5.600	5.600	5.600



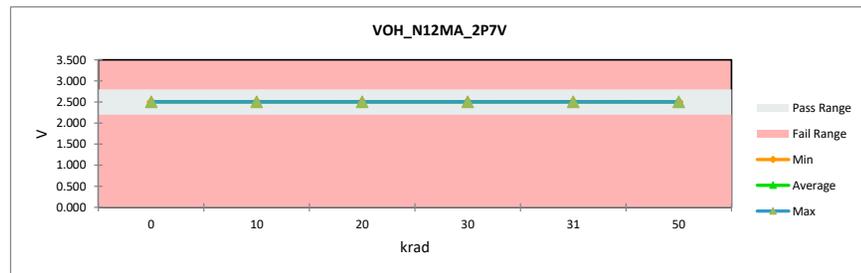
TID Report

SN54SC1G175-SEP

VOH_N12MA_2P7V						
Units	V					
Max Limit	2.8					
Min Limit	2.2					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.505	2.504	-0.001	-0.04%	0.17%
0	2	2.505	2.505	0.000	0.00%	0.00%
0	3	2.505	2.505	0.000	0.00%	0.00%
0	4	2.505	2.503	-0.002	-0.08%	0.33%
0	5	2.504	2.504	0.000	0.00%	0.00%
10	6	2.505	2.505	0.000	0.00%	0.00%
10	7	2.504	2.503	-0.001	-0.04%	0.17%
10	8	2.504	2.503	-0.001	-0.04%	0.17%
10	9	2.504	2.503	-0.001	-0.04%	0.17%
10	10	2.503	2.502	-0.001	-0.04%	0.17%
20	11	2.504	2.503	-0.001	-0.04%	0.17%
20	12	2.503	2.502	-0.001	-0.04%	0.17%
20	13	2.504	2.504	0.000	0.00%	0.00%
20	14	2.504	2.503	-0.001	-0.04%	0.17%
20	15	2.504	2.503	-0.001	-0.04%	0.17%
30	16	2.503	2.502	-0.001	-0.04%	0.17%
30	17	2.505	2.504	-0.001	-0.04%	0.17%
30	18	2.503	2.502	-0.001	-0.04%	0.17%
30	19	2.503	2.502	-0.001	-0.04%	0.17%
30	20	2.504	2.503	-0.001	-0.04%	0.17%
31	16a	2.503	2.503	0.000	0.00%	0.00%
31	17a	2.505	2.505	0.000	0.00%	0.00%
31	18a	2.503	2.503	0.000	0.00%	0.00%
31	19a	2.503	2.502	-0.001	-0.04%	0.17%
31	20a	2.504	2.503	-0.001	-0.04%	0.17%
50	21	2.503	2.502	-0.001	-0.04%	0.17%
50	22	2.503	2.502	-0.001	-0.04%	0.17%
50	23	2.505	2.503	-0.002	-0.08%	0.33%
50	24	2.504	2.503	-0.001	-0.04%	0.17%
50	25	2.503	2.502	-0.001	-0.04%	0.17%
	Max	2.505	2.505	0.000	0.00%	0.33%
	Average	2.504	2.503	-0.001	-0.03%	0.13%
	Min	2.503	2.502	-0.001	-0.08%	0.00%
	Std Dev	0.001	0.001	0.000	0.02%	0.09%



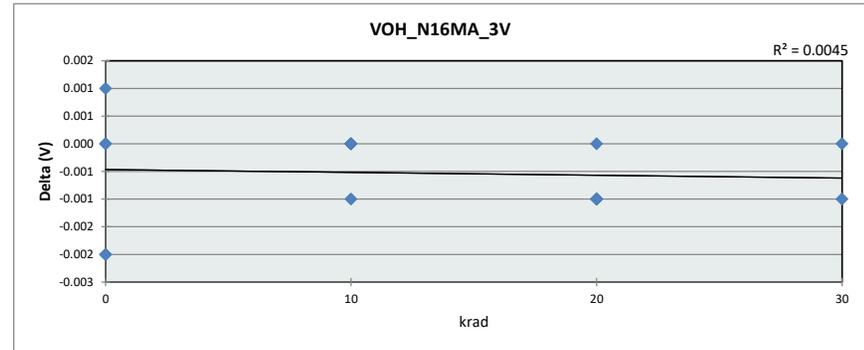
VOH_N12MA_2P7V						
Units	V					
Max Limit	2.8					
Min Limit	2.2					
krad	0	10	20	30	31	50
LL	2.200	2.200	2.200	2.200	2.200	2.200
Min	2.503	2.502	2.502	2.502	2.502	2.502
Average	2.504	2.503	2.503	2.503	2.503	2.502
Max	2.505	2.505	2.504	2.504	2.505	2.503
UL	2.800	2.800	2.800	2.800	2.800	2.800



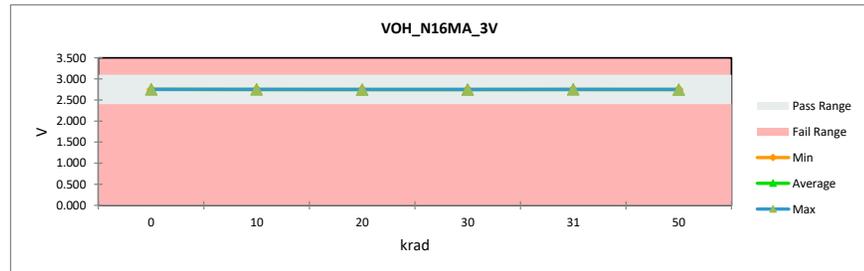
TID Report

SN54SC1G175-SEP

		VOH_N16MA_3V				
Units		V				
Max Limit		3.1				
Min Limit		2.4				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.752	2.750	-0.002	-0.07%	0.29%
0	2	2.751	2.752	0.001	0.04%	0.14%
0	3	2.752	2.752	0.000	0.00%	0.00%
0	4	2.752	2.750	-0.002	-0.07%	0.29%
0	5	2.750	2.750	0.000	0.00%	0.00%
10	6	2.752	2.752	0.000	0.00%	0.00%
10	7	2.749	2.749	0.000	0.00%	0.00%
10	8	2.750	2.750	0.000	0.00%	0.00%
10	9	2.751	2.750	-0.001	-0.04%	0.14%
10	10	2.749	2.749	0.000	0.00%	0.00%
20	11	2.750	2.750	0.000	0.00%	0.00%
20	12	2.749	2.748	-0.001	-0.04%	0.14%
20	13	2.751	2.750	-0.001	-0.04%	0.14%
20	14	2.750	2.749	-0.001	-0.04%	0.14%
20	15	2.750	2.749	-0.001	-0.04%	0.14%
30	16	2.749	2.749	0.000	0.00%	0.00%
30	17	2.751	2.750	-0.001	-0.04%	0.14%
30	18	2.750	2.749	-0.001	-0.04%	0.14%
30	19	2.749	2.748	-0.001	-0.04%	0.14%
30	20	2.750	2.749	-0.001	-0.04%	0.14%
31	16a	2.749	2.749	0.000	0.00%	0.00%
31	17a	2.751	2.751	0.000	0.00%	0.00%
31	18a	2.750	2.749	-0.001	-0.04%	0.14%
31	19a	2.749	2.749	0.000	0.00%	0.00%
31	20a	2.750	2.750	0.000	0.00%	0.00%
50	21	2.750	2.748	-0.002	-0.07%	0.29%
50	22	2.749	2.748	-0.001	-0.04%	0.14%
50	23	2.751	2.750	-0.001	-0.04%	0.14%
50	24	2.750	2.749	-0.001	-0.04%	0.14%
50	25	2.750	2.748	-0.002	-0.07%	0.29%
	Max	2.752	2.752	0.000	0.04%	0.29%
	Average	2.750	2.750	-0.001	-0.02%	0.09%
	Min	2.749	2.748	-0.001	-0.07%	0.00%
	Std Dev	0.001	0.001	0.000	0.03%	0.10%



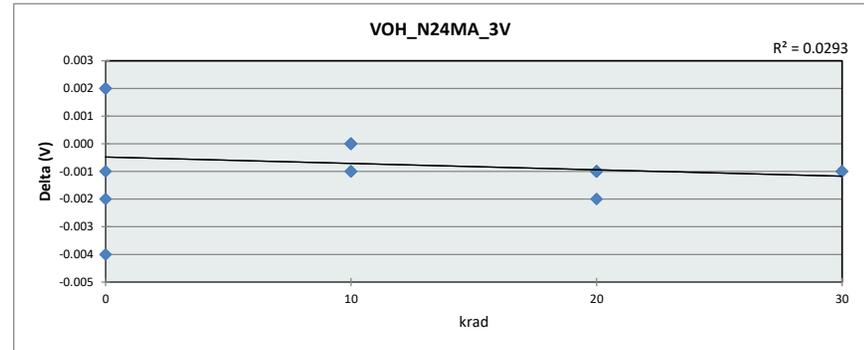
		VOH N16MA 3V					
Units		V					
Max Limit		3.1					
Min Limit		2.4					
krad		0	10	20	30	31	50
LL		2.400	2.400	2.400	2.400	2.400	2.400
Min		2.750	2.749	2.748	2.748	2.749	2.748
Average		2.751	2.750	2.749	2.749	2.750	2.749
Max		2.752	2.752	2.750	2.750	2.751	2.750
UL		3.100	3.100	3.100	3.100	3.100	3.100



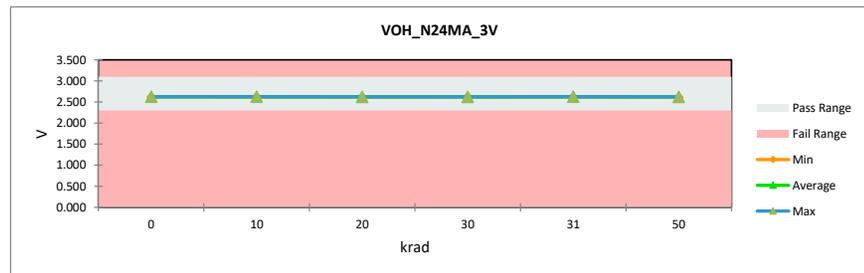
TID Report

SN54SC1G175-SEP

VOH_N24MA_3V						
Units	V					
Max Limit	3.1					
Min Limit	2.3					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.625	2.623	-0.002	-0.08%	0.25%
0	2	2.623	2.625	0.002	0.08%	0.25%
0	3	2.625	2.624	-0.001	-0.04%	0.12%
0	4	2.625	2.621	-0.004	-0.15%	0.50%
0	5	2.621	2.623	0.002	0.08%	0.25%
10	6	2.625	2.624	-0.001	-0.04%	0.12%
10	7	2.621	2.621	0.000	0.00%	0.00%
10	8	2.622	2.621	-0.001	-0.04%	0.12%
10	9	2.622	2.622	0.000	0.00%	0.00%
10	10	2.620	2.620	0.000	0.00%	0.00%
20	11	2.622	2.621	-0.001	-0.04%	0.12%
20	12	2.620	2.619	-0.001	-0.04%	0.12%
20	13	2.623	2.622	-0.001	-0.04%	0.13%
20	14	2.622	2.620	-0.002	-0.08%	0.25%
20	15	2.622	2.621	-0.001	-0.04%	0.12%
30	16	2.621	2.620	-0.001	-0.04%	0.12%
30	17	2.624	2.623	-0.001	-0.04%	0.12%
30	18	2.621	2.619	-0.002	-0.08%	0.25%
30	19	2.621	2.619	-0.002	-0.08%	0.25%
30	20	2.622	2.620	-0.002	-0.08%	0.25%
31	16a	2.621	2.620	-0.001	-0.04%	0.12%
31	17a	2.624	2.624	0.000	0.00%	0.00%
31	18a	2.621	2.621	0.000	0.00%	0.00%
31	19a	2.621	2.620	-0.001	-0.04%	0.12%
31	20a	2.622	2.621	-0.001	-0.04%	0.12%
50	21	2.621	2.619	-0.002	-0.08%	0.25%
50	22	2.620	2.618	-0.002	-0.08%	0.25%
50	23	2.624	2.622	-0.002	-0.08%	0.25%
50	24	2.622	2.620	-0.002	-0.08%	0.25%
50	25	2.621	2.620	-0.001	-0.04%	0.12%
	Max	2.625	2.625	0.000	0.08%	0.50%
	Average	2.623	2.622	-0.001	-0.03%	0.15%
	Min	2.620	2.619	-0.001	-0.15%	0.00%
	Std Dev	0.002	0.002	0.000	0.05%	0.12%



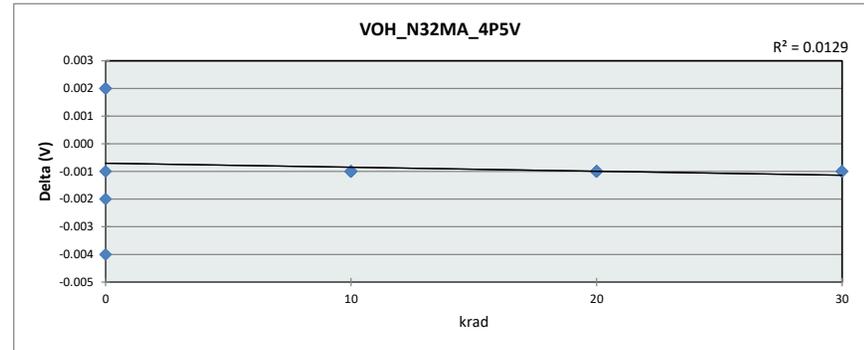
VOH_N24MA_3V						
Units	V					
Max Limit	3.1					
Min Limit	2.3					
krad	0	10	20	30	31	50
LL	2.300	2.300	2.300	2.300	2.300	2.300
Min	2.621	2.620	2.619	2.619	2.620	2.618
Average	2.623	2.622	2.621	2.620	2.621	2.620
Max	2.625	2.624	2.622	2.623	2.624	2.622
UL	3.100	3.100	3.100	3.100	3.100	3.100



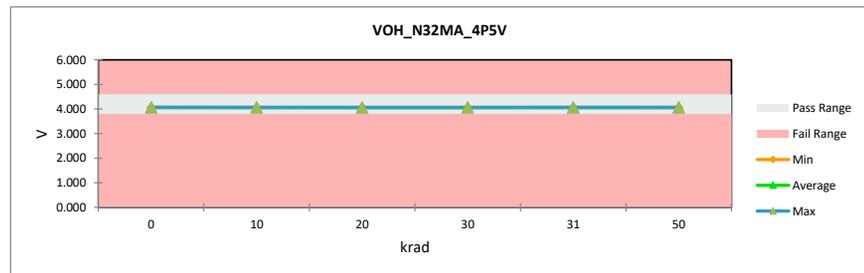
TID Report

SN54SC1G175-SEP

		VOH_N32MA_4P5V				
Units		V				
Max Limit		4.6				
Min Limit		3.8				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	4.067	4.065	-0.002	-0.05%	0.25%
0	2	4.065	4.067	0.002	0.05%	0.25%
0	3	4.068	4.067	-0.001	-0.02%	0.12%
0	4	4.067	4.063	-0.004	-0.10%	0.50%
0	5	4.063	4.065	0.002	0.05%	0.25%
10	6	4.068	4.067	-0.001	-0.02%	0.12%
10	7	4.064	4.063	-0.001	-0.02%	0.13%
10	8	4.064	4.063	-0.001	-0.02%	0.13%
10	9	4.065	4.064	-0.001	-0.02%	0.13%
10	10	4.062	4.061	-0.001	-0.02%	0.13%
20	11	4.064	4.063	-0.001	-0.02%	0.13%
20	12	4.062	4.061	-0.001	-0.02%	0.13%
20	13	4.066	4.065	-0.001	-0.02%	0.12%
20	14	4.064	4.063	-0.001	-0.02%	0.13%
20	15	4.064	4.063	-0.001	-0.02%	0.13%
30	16	4.062	4.061	-0.001	-0.02%	0.13%
30	17	4.066	4.065	-0.001	-0.02%	0.12%
30	18	4.063	4.062	-0.001	-0.02%	0.12%
30	19	4.063	4.061	-0.002	-0.05%	0.25%
30	20	4.064	4.063	-0.001	-0.02%	0.13%
31	16a	4.062	4.063	0.001	0.02%	0.12%
31	17a	4.066	4.067	0.001	0.02%	0.13%
31	18a	4.063	4.063	0.000	0.00%	0.00%
31	19a	4.063	4.063	0.000	0.00%	0.00%
31	20a	4.064	4.063	-0.001	-0.02%	0.13%
50	21	4.063	4.061	-0.002	-0.05%	0.25%
50	22	4.062	4.061	-0.001	-0.02%	0.13%
50	23	4.066	4.065	-0.001	-0.02%	0.12%
50	24	4.064	4.062	-0.002	-0.05%	0.25%
50	25	4.063	4.062	-0.001	-0.02%	0.12%
	Max	4.068	4.067	-0.001	0.05%	0.50%
	Average	4.065	4.064	-0.001	-0.02%	0.17%
	Min	4.062	4.061	-0.001	-0.10%	0.12%
	Std Dev	0.002	0.002	0.000	0.03%	0.10%



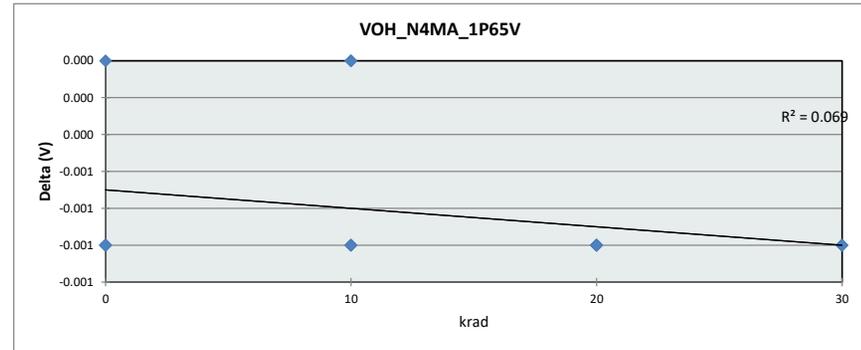
		VOH_N32MA_4P5V				
Units		V				
Max Limit		4.6				
Min Limit		3.8				
krad	LL	Min	Average	Max	UL	
0	3.800	4.063	4.065	4.067	4.600	
10	3.800	4.061	4.064	4.067	4.600	
20	3.800	4.061	4.063	4.065	4.600	
30	3.800	4.061	4.062	4.065	4.600	
31	3.800	4.063	4.064	4.067	4.600	
50	3.800	4.061	4.062	4.065	4.600	



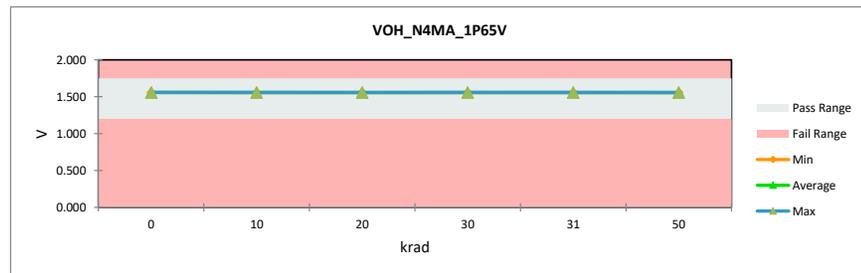
TID Report

SN54SC1G175-SEP

VOH_N4MA_1P65V						
Units	V					
Max Limit	1.75					
Min Limit	1.2					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.559	1.558	-0.001	-0.06%	0.18%
0	2	1.559	1.558	-0.001	-0.06%	0.18%
0	3	1.559	1.558	-0.001	-0.06%	0.18%
0	4	1.559	1.558	-0.001	-0.06%	0.18%
0	5	1.558	1.558	0.000	0.00%	0.00%
10	6	1.559	1.558	-0.001	-0.06%	0.18%
10	7	1.558	1.557	-0.001	-0.06%	0.18%
10	8	1.558	1.557	-0.001	-0.06%	0.18%
10	9	1.558	1.558	0.000	0.00%	0.00%
10	10	1.558	1.558	0.000	0.00%	0.00%
20	11	1.558	1.557	-0.001	-0.06%	0.18%
20	12	1.558	1.557	-0.001	-0.06%	0.18%
20	13	1.558	1.557	-0.001	-0.06%	0.18%
20	14	1.558	1.557	-0.001	-0.06%	0.18%
20	15	1.558	1.557	-0.001	-0.06%	0.18%
30	16	1.558	1.557	-0.001	-0.06%	0.18%
30	17	1.559	1.558	-0.001	-0.06%	0.18%
30	18	1.558	1.557	-0.001	-0.06%	0.18%
30	19	1.558	1.557	-0.001	-0.06%	0.18%
30	20	1.558	1.557	-0.001	-0.06%	0.18%
31	16a	1.558	1.557	-0.001	-0.06%	0.18%
31	17a	1.559	1.558	-0.001	-0.06%	0.18%
31	18a	1.558	1.557	-0.001	-0.06%	0.18%
31	19a	1.558	1.556	-0.002	-0.13%	0.36%
31	20a	1.558	1.557	-0.001	-0.06%	0.18%
50	21	1.558	1.557	-0.001	-0.06%	0.18%
50	22	1.558	1.556	-0.002	-0.13%	0.36%
50	23	1.559	1.557	-0.002	-0.13%	0.36%
50	24	1.558	1.557	-0.001	-0.06%	0.18%
50	25	1.558	1.557	-0.001	-0.06%	0.18%
	Max	1.559	1.558	-0.001	0.00%	0.18%
	Average	1.558	1.558	-0.001	-0.05%	0.15%
	Min	1.558	1.557	-0.001	-0.06%	0.00%
	Std Dev	0.000	0.001	0.000	0.03%	0.07%



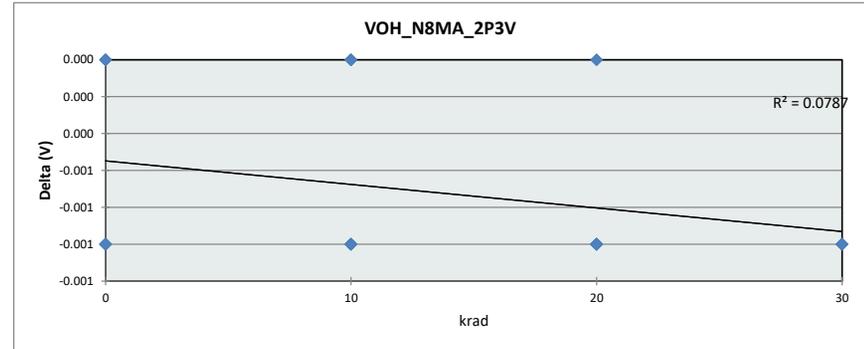
VOH_N4MA_1P65V						
Units	V					
Max Limit	1.75					
Min Limit	1.2					
krad	0	10	20	30	31	50
LL	1.200	1.200	1.200	1.200	1.200	1.200
Min	1.558	1.557	1.557	1.557	1.556	1.556
Average	1.558	1.558	1.557	1.557	1.557	1.557
Max	1.558	1.558	1.557	1.558	1.558	1.557
UL	1.750	1.750	1.750	1.750	1.750	1.750



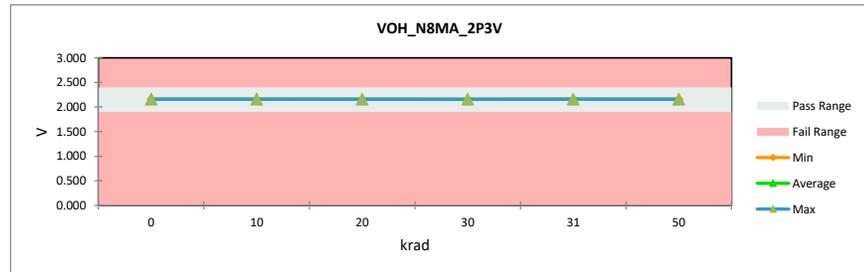
TID Report

SN54SC1G175-SEP

		VOH_N8MA_2P3V				
Units		V				
Max Limit		2.4				
Min Limit		1.9				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.158	2.157	-0.001	-0.05%	0.20%
0	2	2.158	2.158	0.000	0.00%	0.00%
0	3	2.159	2.158	-0.001	-0.05%	0.20%
0	4	2.158	2.157	-0.001	-0.05%	0.20%
0	5	2.157	2.157	0.000	0.00%	0.00%
10	6	2.159	2.158	-0.001	-0.05%	0.20%
10	7	2.157	2.157	0.000	0.00%	0.00%
10	8	2.158	2.157	-0.001	-0.05%	0.20%
10	9	2.158	2.157	-0.001	-0.05%	0.20%
10	10	2.157	2.157	0.000	0.00%	0.00%
20	11	2.158	2.157	-0.001	-0.05%	0.20%
20	12	2.157	2.156	-0.001	-0.05%	0.20%
20	13	2.158	2.157	-0.001	-0.05%	0.20%
20	14	2.158	2.157	-0.001	-0.05%	0.20%
20	15	2.157	2.157	0.000	0.00%	0.00%
30	16	2.157	2.156	-0.001	-0.05%	0.20%
30	17	2.158	2.157	-0.001	-0.05%	0.20%
30	18	2.157	2.156	-0.001	-0.05%	0.20%
30	19	2.157	2.156	-0.001	-0.05%	0.20%
30	20	2.158	2.157	-0.001	-0.05%	0.20%
31	16a	2.157	2.157	0.000	0.00%	0.00%
31	17a	2.158	2.158	0.000	0.00%	0.00%
31	18a	2.157	2.157	0.000	0.00%	0.00%
31	19a	2.157	2.156	-0.001	-0.05%	0.20%
31	20a	2.158	2.156	-0.002	-0.09%	0.40%
50	21	2.157	2.156	-0.001	-0.05%	0.20%
50	22	2.157	2.156	-0.001	-0.05%	0.20%
50	23	2.158	2.157	-0.001	-0.05%	0.20%
50	24	2.157	2.156	-0.001	-0.05%	0.20%
50	25	2.157	2.156	-0.001	-0.05%	0.20%
Max		2.159	2.158	-0.001	0.00%	0.20%
Average		2.158	2.157	-0.001	-0.03%	0.14%
Min		2.157	2.156	-0.001	-0.05%	0.00%
Std Dev		0.001	0.001	0.000	0.02%	0.09%



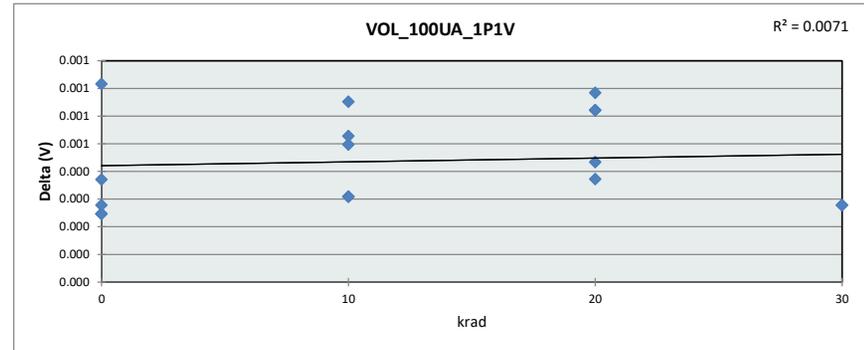
		VOH_N8MA_2P3V					
Units		V					
Max Limit		2.4					
Min Limit		1.9					
krad		0	10	20	30	31	50
LL		1.900	1.900	1.900	1.900	1.900	1.900
Min		2.157	2.157	2.156	2.156	2.156	2.156
Average		2.157	2.157	2.157	2.156	2.157	2.156
Max		2.158	2.158	2.157	2.157	2.158	2.157
UL		2.400	2.400	2.400	2.400	2.400	2.400



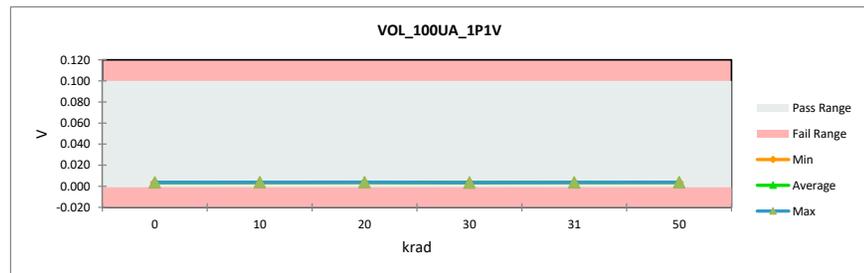
TID Report

SN54SC1G175-SEP

VOL_100UA_1P1V						
Units	V					
Max Limit	0.1					
Min Limit	-0.001					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.003	0.004	0.000	7.37%	0.24%
0	2	0.003	0.004	0.001	24.58%	0.71%
0	3	0.003	0.004	0.000	8.62%	0.28%
0	4	0.003	0.003	0.000	12.08%	0.37%
0	5	0.003	0.004	0.000	7.58%	0.24%
10	6	0.003	0.004	0.000	15.87%	0.49%
10	7	0.003	0.004	0.001	15.90%	0.52%
10	8	0.003	0.004	0.000	9.67%	0.31%
10	9	0.003	0.004	0.001	20.61%	0.65%
10	10	0.003	0.003	0.000	9.96%	0.31%
20	11	0.003	0.004	0.000	13.86%	0.43%
20	12	0.003	0.004	0.001	19.44%	0.61%
20	13	0.003	0.004	0.000	11.42%	0.37%
20	14	0.003	0.004	0.001	22.06%	0.68%
20	15	0.003	0.004	0.001	20.23%	0.61%
30	16	0.003	0.003	0.000	8.96%	0.28%
30	17	0.003	0.004	0.000	8.62%	0.28%
30	18	0.003	0.004	0.000	10.54%	0.34%
30	19	0.003	0.003	0.000	8.67%	0.27%
30	20	0.003	0.004	0.000	10.64%	0.34%
31	16a	0.003	0.004	0.001	19.03%	0.58%
31	17a	0.003	0.004	0.000	12.49%	0.40%
31	18a	0.003	0.004	0.000	10.54%	0.34%
31	19a	0.003	0.004	0.000	13.58%	0.43%
31	20a	0.003	0.004	0.001	17.50%	0.55%
50	21	0.003	0.004	0.001	17.56%	0.52%
50	22	0.003	0.004	0.001	21.06%	0.65%
50	23	0.003	0.004	0.001	17.16%	0.55%
50	24	0.003	0.004	0.001	17.00%	0.55%
50	25	0.003	0.004	0.000	10.15%	0.34%
	Max	0.003	0.004	0.000	24.58%	0.71%
	Average	0.003	0.004	0.000	13.93%	0.43%
	Min	0.003	0.003	0.000	7.37%	0.24%
	Std Dev	0.000	0.000	0.000	5.64%	0.17%



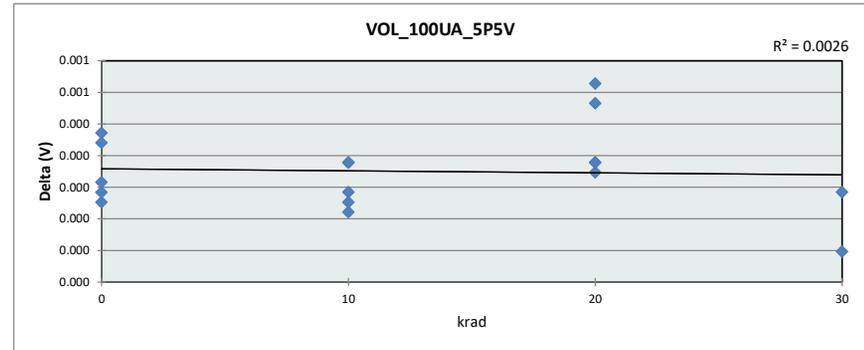
VOL_100UA_1P1V						
Units	V					
Max Limit	0.1					
Min Limit	-0.001					
krad	0	10	20	30	31	50
LL	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
Min	0.003	0.003	0.004	0.003	0.004	0.004
Average	0.004	0.004	0.004	0.003	0.004	0.004
Max	0.004	0.004	0.004	0.004	0.004	0.004
UL	0.100	0.100	0.100	0.100	0.100	0.100



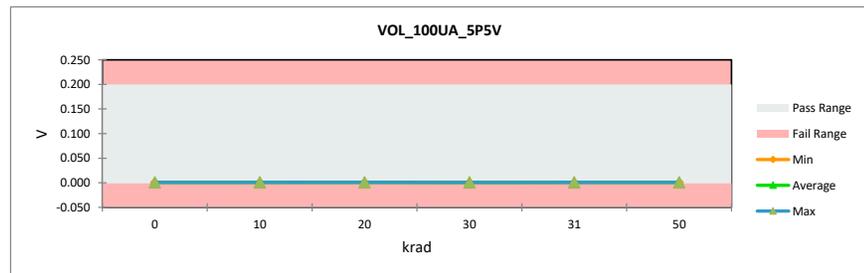
TID Report

SN54SC1G175-SEP

VOL_100UA_5P5V						
Units	V					
Max Limit	0.2					
Min Limit	-0.001					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.001	0.001	0.000	27.82%	0.09%
0	2	0.000	0.001	0.000	83.93%	0.19%
0	3	0.001	0.001	0.000	67.37%	0.17%
0	4	0.001	0.001	0.000	24.26%	0.08%
0	5	0.000	0.001	0.000	45.43%	0.11%
10	6	0.001	0.001	0.000	36.45%	0.09%
10	7	0.000	0.001	0.000	73.04%	0.14%
10	8	0.001	0.001	0.000	48.93%	0.14%
10	9	0.001	0.001	0.000	30.26%	0.08%
10	10	0.001	0.001	0.000	18.38%	0.06%
20	11	0.000	0.001	0.000	113.09%	0.23%
20	12	0.001	0.001	0.000	51.80%	0.14%
20	13	0.000	0.001	0.000	52.02%	0.12%
20	14	0.000	0.001	0.001	128.27%	0.26%
20	15	0.000	0.001	0.000	58.60%	0.14%
30	16	0.000	0.000	0.000	-0.70%	0.00%
30	17	0.001	0.001	0.000	34.33%	0.09%
30	18	0.001	0.001	0.000	41.15%	0.12%
30	19	0.001	0.001	0.000	28.50%	0.08%
30	20	0.000	0.001	0.000	90.31%	0.19%
31	16a	0.000	0.001	0.000	78.37%	0.18%
31	17a	0.001	0.001	0.000	51.80%	0.14%
31	18a	0.001	0.001	0.000	41.15%	0.12%
31	19a	0.001	0.001	0.000	45.97%	0.12%
31	20a	0.000	0.001	0.000	75.13%	0.15%
50	21	0.000	0.001	0.000	84.97%	0.20%
50	22	0.000	0.001	0.000	98.04%	0.22%
50	23	0.001	0.001	0.000	44.09%	0.14%
50	24	0.001	0.001	0.000	34.33%	0.09%
50	25	0.001	0.001	0.000	41.15%	0.12%
Max		0.001	0.001	0.000	128.27%	0.26%
Average		0.001	0.001	0.000	52.55%	0.12%
Min		0.000	0.000	0.000	-0.70%	0.00%
Std Dev		0.000	0.000	0.000	33.19%	0.06%



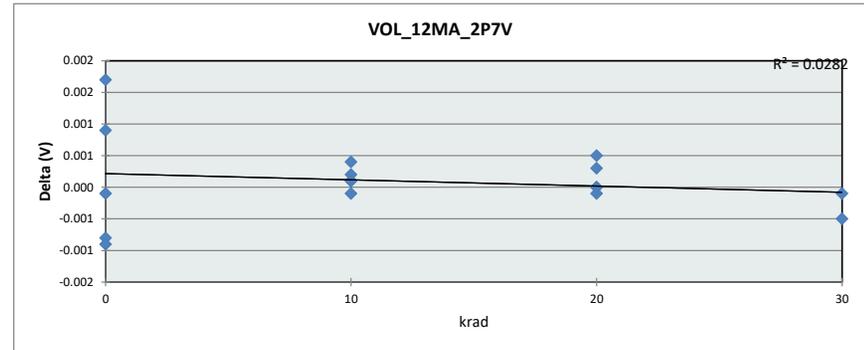
VOL_100UA_5P5V						
Units	V					
Max Limit	0.2					
Min Limit	-0.001					
krad	0	10	20	30	31	50
LL	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
Min	0.001	0.001	0.001	0.000	0.001	0.001
Average	0.001	0.001	0.001	0.001	0.001	0.001
Max	0.001	0.001	0.001	0.001	0.001	0.001
UL	0.200	0.200	0.200	0.200	0.200	0.200



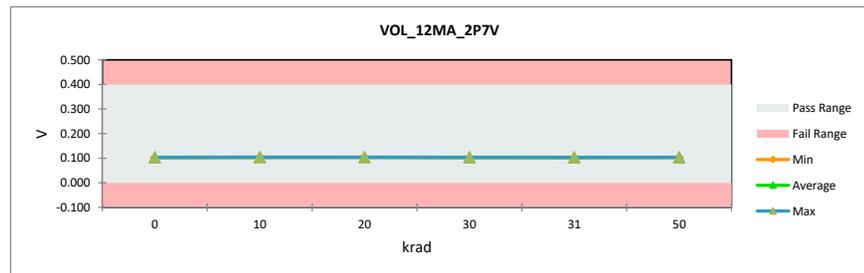
TID Report

SN54SC1G175-SEP

VOL_12MA_2P7V						
Units	V					
Max Limit	0.4					
Min Limit	-0.001					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.103	0.102	-0.001	-0.78%	0.20%
0	2	0.102	0.104	0.002	1.67%	0.42%
0	3	0.103	0.103	0.000	-0.10%	0.02%
0	4	0.103	0.104	0.001	0.88%	0.22%
0	5	0.104	0.103	-0.001	-0.87%	0.22%
10	6	0.102	0.103	0.000	0.10%	0.02%
10	7	0.104	0.104	0.000	0.19%	0.05%
10	8	0.103	0.103	0.000	0.10%	0.02%
10	9	0.104	0.104	0.000	-0.10%	0.02%
10	10	0.102	0.103	0.000	0.39%	0.10%
20	11	0.103	0.103	0.000	0.00%	0.00%
20	12	0.104	0.104	0.000	-0.10%	0.02%
20	13	0.103	0.104	0.000	0.29%	0.07%
20	14	0.104	0.104	0.000	0.00%	0.00%
20	15	0.104	0.104	0.001	0.48%	0.12%
30	16	0.103	0.102	-0.001	-0.49%	0.12%
30	17	0.103	0.103	0.000	-0.10%	0.02%
30	18	0.104	0.104	0.000	-0.19%	0.05%
30	19	0.104	0.104	0.000	0.10%	0.02%
30	20	0.103	0.104	0.000	0.19%	0.05%
31	16a	0.103	0.102	0.000	-0.39%	0.10%
31	17a	0.103	0.103	0.000	-0.10%	0.02%
31	18a	0.104	0.104	0.000	0.00%	0.00%
31	19a	0.104	0.104	0.000	0.10%	0.02%
31	20a	0.103	0.104	0.000	0.19%	0.05%
50	21	0.103	0.103	0.000	0.00%	0.00%
50	22	0.104	0.104	0.000	-0.10%	0.02%
50	23	0.103	0.103	0.000	-0.19%	0.05%
50	24	0.103	0.104	0.000	0.19%	0.05%
50	25	0.104	0.104	0.000	0.29%	0.07%
	Max	0.104	0.104	0.000	1.67%	0.42%
	Average	0.103	0.103	0.000	0.09%	0.10%
	Min	0.102	0.102	0.000	-0.87%	0.00%
	Std Dev	0.001	0.001	0.000	0.59%	0.11%



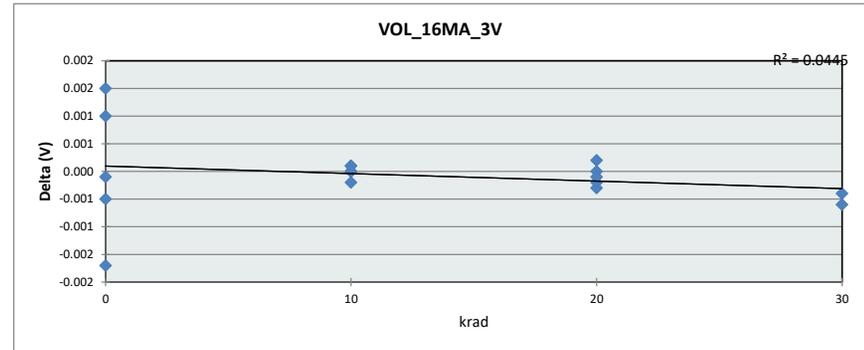
VOL_12MA_2P7V						
Units	V					
Max Limit	0.4					
Min Limit	-0.001					
krad	0	10	20	30	31	50
LL	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
Min	0.102	0.103	0.103	0.102	0.102	0.103
Average	0.103	0.103	0.104	0.103	0.103	0.103
Max	0.104	0.104	0.104	0.104	0.104	0.104
UL	0.400	0.400	0.400	0.400	0.400	0.400



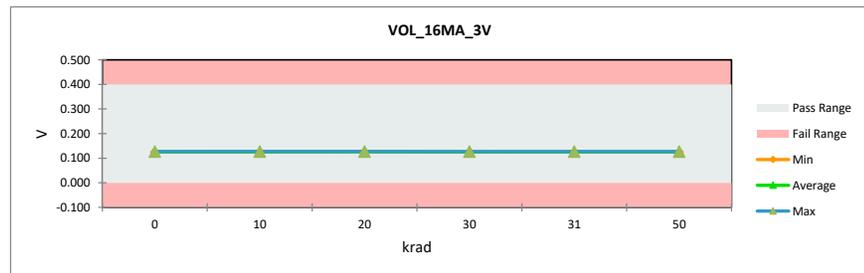
TID Report

SN54SC1G175-SEP

		VOL_16MA_3V				
Units		V				
Max Limit		0.4				
Min Limit		-0.001				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.126	0.125	-0.001	-0.40%	0.12%
0	2	0.125	0.127	0.002	1.20%	0.37%
0	3	0.126	0.126	0.000	-0.08%	0.02%
0	4	0.126	0.127	0.001	0.79%	0.25%
0	5	0.127	0.125	-0.002	-1.34%	0.42%
10	6	0.126	0.126	0.000	-0.16%	0.05%
10	7	0.127	0.127	0.000	0.08%	0.02%
10	8	0.127	0.127	0.000	0.08%	0.02%
10	9	0.127	0.127	0.000	0.00%	0.00%
10	10	0.126	0.126	0.000	0.00%	0.00%
20	11	0.126	0.127	0.000	0.16%	0.05%
20	12	0.127	0.127	0.000	-0.24%	0.07%
20	13	0.126	0.126	0.000	0.00%	0.00%
20	14	0.127	0.127	0.000	-0.16%	0.05%
20	15	0.127	0.127	0.000	-0.08%	0.02%
30	16	0.126	0.125	0.000	-0.32%	0.10%
30	17	0.126	0.125	-0.001	-0.48%	0.15%
30	18	0.127	0.127	-0.001	-0.39%	0.12%
30	19	0.127	0.127	0.000	-0.16%	0.05%
30	20	0.127	0.127	0.000	0.00%	0.00%
31	16a	0.126	0.125	0.000	-0.24%	0.07%
31	17a	0.126	0.125	-0.001	-0.40%	0.12%
31	18a	0.127	0.127	0.000	-0.24%	0.07%
31	19a	0.127	0.127	0.000	-0.08%	0.02%
31	20a	0.127	0.127	0.000	0.00%	0.00%
50	21	0.126	0.126	0.000	-0.32%	0.10%
50	22	0.127	0.127	0.000	-0.16%	0.05%
50	23	0.126	0.126	0.000	-0.32%	0.10%
50	24	0.127	0.127	0.000	-0.08%	0.02%
50	25	0.127	0.127	0.000	-0.16%	0.05%
	Max	0.127	0.127	0.000	1.20%	0.42%
	Average	0.126	0.126	0.000	-0.05%	0.10%
	Min	0.125	0.125	0.000	-1.34%	0.00%
	Std Dev	0.001	0.001	0.000	0.53%	0.13%



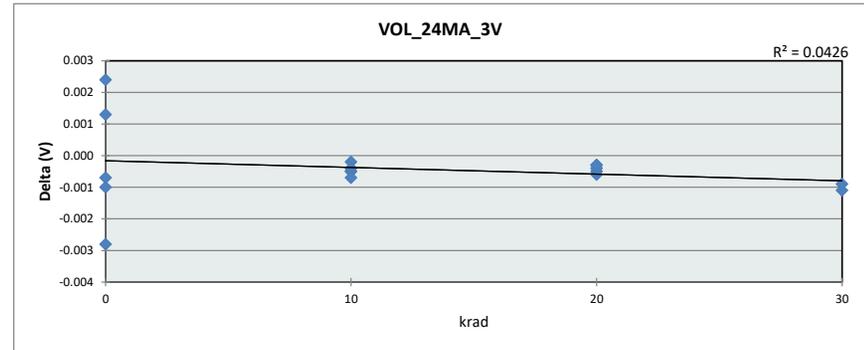
		VOL_16MA_3V					
Units		V					
Max Limit		0.4					
Min Limit		-0.001					
krad		0	10	20	30	31	50
LL		-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
Min		0.125	0.126	0.126	0.125	0.125	0.126
Average		0.126	0.126	0.127	0.126	0.126	0.126
Max		0.127	0.127	0.127	0.127	0.127	0.127
UL		0.400	0.400	0.400	0.400	0.400	0.400



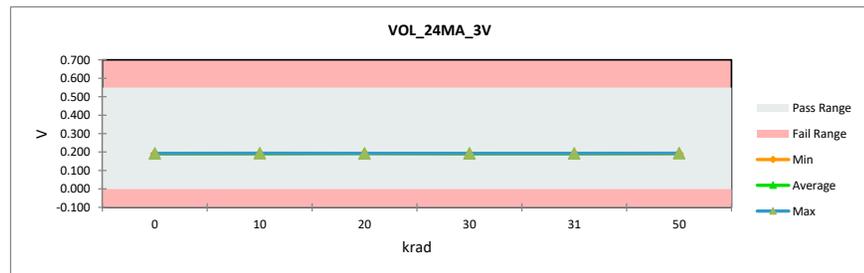
TID Report

SN54SC1G175-SEP

VOL_24MA_3V						
Units	V					
Max Limit	0.55					
Min Limit	-0.001					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.192	0.191	-0.001	-0.52%	0.18%
0	2	0.190	0.193	0.002	1.26%	0.44%
0	3	0.193	0.192	-0.001	-0.36%	0.13%
0	4	0.192	0.193	0.001	0.68%	0.24%
0	5	0.193	0.191	-0.003	-1.45%	0.51%
10	6	0.191	0.191	-0.001	-0.26%	0.09%
10	7	0.194	0.194	-0.001	-0.26%	0.09%
10	8	0.193	0.193	0.000	-0.21%	0.07%
10	9	0.193	0.193	-0.001	-0.36%	0.13%
10	10	0.191	0.191	0.000	-0.10%	0.04%
20	11	0.193	0.192	-0.001	-0.26%	0.09%
20	12	0.194	0.193	-0.001	-0.31%	0.11%
20	13	0.193	0.192	0.000	-0.21%	0.07%
20	14	0.193	0.193	0.000	-0.16%	0.05%
20	15	0.194	0.193	0.000	-0.15%	0.05%
30	16	0.191	0.190	-0.001	-0.57%	0.20%
30	17	0.192	0.191	-0.001	-0.47%	0.16%
30	18	0.194	0.193	-0.001	-0.31%	0.11%
30	19	0.193	0.193	-0.001	-0.26%	0.09%
30	20	0.193	0.192	-0.001	-0.31%	0.11%
31	16a	0.191	0.191	-0.001	-0.37%	0.13%
31	17a	0.192	0.191	-0.001	-0.42%	0.15%
31	18a	0.194	0.193	-0.001	-0.36%	0.13%
31	19a	0.193	0.193	0.000	-0.21%	0.07%
31	20a	0.193	0.193	0.000	-0.05%	0.02%
50	21	0.192	0.191	-0.001	-0.47%	0.16%
50	22	0.194	0.194	-0.001	-0.41%	0.15%
50	23	0.192	0.191	-0.001	-0.42%	0.15%
50	24	0.193	0.193	-0.001	-0.26%	0.09%
50	25	0.194	0.193	-0.001	-0.31%	0.11%
	Max	0.194	0.194	-0.001	1.26%	0.51%
	Average	0.192	0.192	0.000	-0.22%	0.16%
	Min	0.190	0.190	0.000	-1.45%	0.04%
	Std Dev	0.001	0.001	0.000	0.55%	0.13%



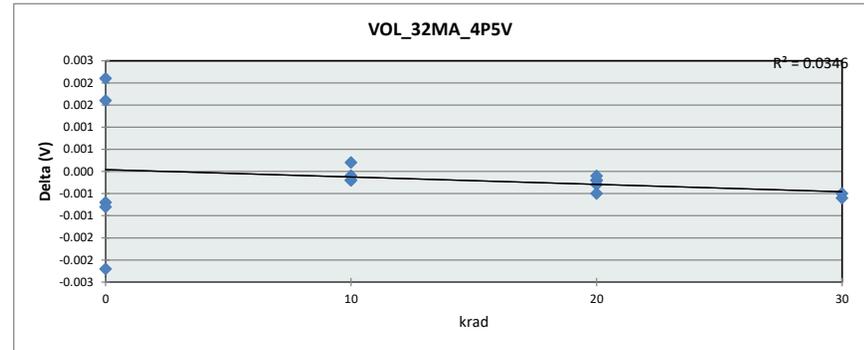
VOL_24MA_3V						
Units	V					
Max Limit	0.55					
Min Limit	-0.001					
krad	0	10	20	30	31	50
LL	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
Min	0.191	0.191	0.192	0.190	0.191	0.191
Average	0.192	0.192	0.193	0.192	0.192	0.192
Max	0.193	0.194	0.193	0.193	0.193	0.194
UL	0.550	0.550	0.550	0.550	0.550	0.550



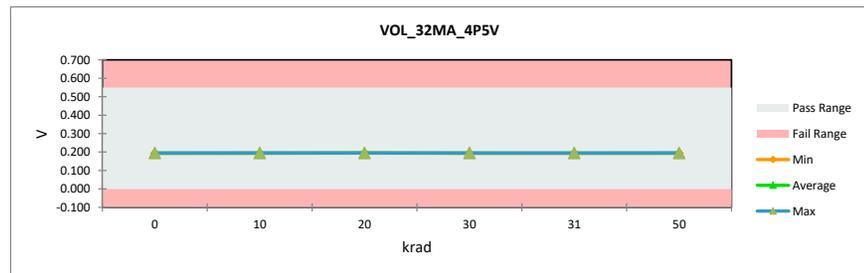
TID Report

SN54SC1G175-SEP

VOL_32MA_4P5V						
Units	V					
Max Limit	0.55					
Min Limit	-0.001					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.193	0.193	-0.001	-0.36%	0.13%
0	2	0.192	0.195	0.002	1.09%	0.38%
0	3	0.194	0.194	-0.001	-0.41%	0.15%
0	4	0.193	0.195	0.002	0.83%	0.29%
0	5	0.195	0.193	-0.002	-1.13%	0.40%
10	6	0.193	0.193	0.000	-0.05%	0.02%
10	7	0.196	0.195	0.000	-0.05%	0.02%
10	8	0.195	0.195	0.000	-0.10%	0.04%
10	9	0.195	0.195	0.000	-0.10%	0.04%
10	10	0.193	0.193	0.000	0.10%	0.04%
20	11	0.195	0.194	0.000	-0.10%	0.04%
20	12	0.195	0.195	-0.001	-0.26%	0.09%
20	13	0.195	0.194	0.000	-0.15%	0.05%
20	14	0.195	0.195	0.000	-0.10%	0.04%
20	15	0.195	0.195	0.000	-0.05%	0.02%
30	16	0.193	0.193	-0.001	-0.31%	0.11%
30	17	0.193	0.193	-0.001	-0.26%	0.09%
30	18	0.195	0.195	0.000	-0.15%	0.05%
30	19	0.195	0.195	0.000	-0.05%	0.02%
30	20	0.195	0.195	0.000	0.00%	0.00%
31	16a	0.193	0.193	0.000	-0.21%	0.07%
31	17a	0.193	0.193	-0.001	-0.26%	0.09%
31	18a	0.195	0.195	-0.001	-0.26%	0.09%
31	19a	0.195	0.195	0.000	-0.05%	0.02%
31	20a	0.195	0.195	0.000	0.05%	0.02%
50	21	0.194	0.193	-0.001	-0.31%	0.11%
50	22	0.196	0.195	0.000	-0.20%	0.07%
50	23	0.194	0.193	-0.001	-0.31%	0.11%
50	24	0.195	0.195	0.000	0.00%	0.00%
50	25	0.196	0.195	-0.001	-0.26%	0.09%
	Max	0.196	0.195	0.000	1.09%	0.40%
	Average	0.194	0.194	0.000	-0.08%	0.11%
	Min	0.192	0.193	0.000	-1.13%	0.02%
	Std Dev	0.001	0.001	0.000	0.48%	0.12%



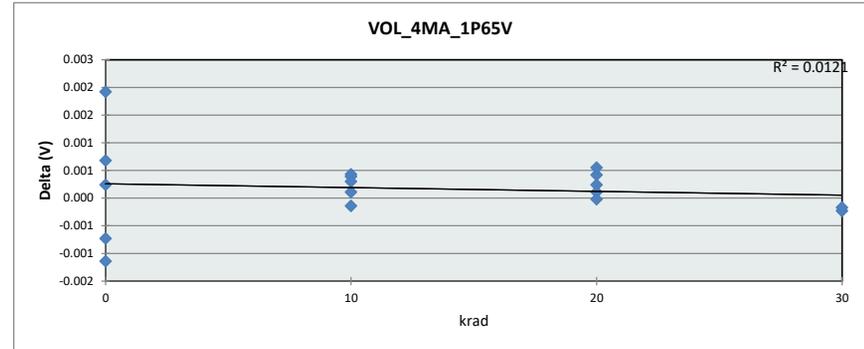
VOL_32MA_4P5V						
Units	V					
Max Limit	0.55					
Min Limit	-0.001					
krad	0	10	20	30	31	50
LL	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
Min	0.193	0.193	0.194	0.193	0.193	0.193
Average	0.194	0.194	0.195	0.194	0.194	0.194
Max	0.195	0.195	0.195	0.195	0.195	0.195
UL	0.550	0.550	0.550	0.550	0.550	0.550



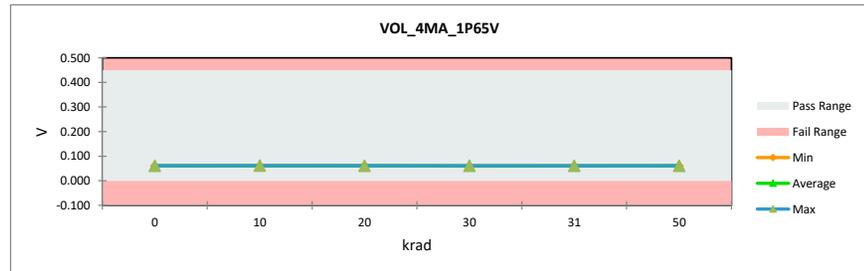
TID Report

SN54SC1G175-SEP

VOL_4MA_1P65V						
Units	V					
Max Limit	0.45					
Min Limit	-0.001					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.061	0.060	-0.001	-1.20%	0.16%
0	2	0.059	0.061	0.002	3.23%	0.43%
0	3	0.061	0.061	0.000	0.39%	0.05%
0	4	0.061	0.061	0.001	1.12%	0.15%
0	5	0.061	0.060	-0.001	-1.87%	0.25%
10	6	0.060	0.061	0.000	0.18%	0.02%
10	7	0.061	0.061	0.000	0.70%	0.10%
10	8	0.061	0.061	0.000	0.64%	0.09%
10	9	0.061	0.061	0.000	-0.23%	0.03%
10	10	0.060	0.060	0.000	0.50%	0.07%
20	11	0.061	0.061	0.000	0.18%	0.02%
20	12	0.061	0.061	0.000	-0.03%	0.00%
20	13	0.061	0.061	0.000	0.39%	0.05%
20	14	0.061	0.061	0.000	0.69%	0.09%
20	15	0.061	0.061	0.001	0.90%	0.12%
30	16	0.060	0.060	0.000	-0.38%	0.05%
30	17	0.060	0.060	0.000	-0.28%	0.04%
30	18	0.061	0.061	0.000	-0.13%	0.02%
30	19	0.061	0.061	0.000	-0.07%	0.01%
30	20	0.061	0.061	0.000	0.07%	0.01%
31	16a	0.060	0.060	0.000	0.03%	0.00%
31	17a	0.060	0.060	0.000	0.03%	0.00%
31	18a	0.061	0.061	0.000	-0.03%	0.00%
31	19a	0.061	0.061	0.000	0.44%	0.06%
31	20a	0.061	0.061	0.000	0.18%	0.02%
50	21	0.060	0.060	0.000	-0.23%	0.03%
50	22	0.061	0.061	0.000	0.13%	0.02%
50	23	0.061	0.061	0.000	-0.08%	0.01%
50	24	0.061	0.061	0.000	0.49%	0.07%
50	25	0.061	0.061	0.000	-0.59%	0.08%
	Max	0.061	0.061	0.000	3.23%	0.43%
	Average	0.061	0.061	0.000	0.29%	0.10%
	Min	0.059	0.060	0.000	-1.87%	0.00%
	Std Dev	0.000	0.001	0.000	1.07%	0.10%



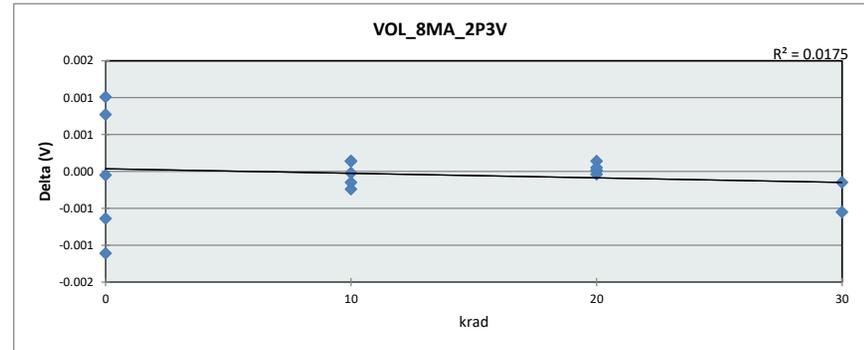
VOL_4MA_1P65V						
Units	V					
Max Limit	0.45					
Min Limit	-0.001					
krad	0	10	20	30	31	50
LL	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
Min	0.060	0.060	0.061	0.060	0.060	0.060
Average	0.061	0.061	0.061	0.060	0.061	0.061
Max	0.061	0.061	0.061	0.061	0.061	0.061
UL	0.450	0.450	0.450	0.450	0.450	0.450



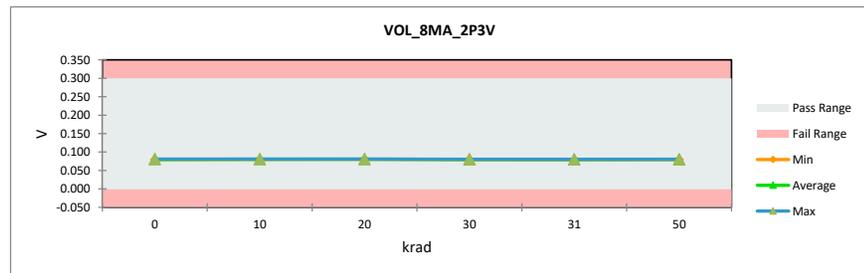
TID Report

SN54SC1G175-SEP

VOL_8MA_2P3V						
Units	V					
Max Limit	0.3					
Min Limit	-0.001					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.080	0.079	-0.001	-0.80%	0.21%
0	2	0.079	0.080	0.001	1.27%	0.34%
0	3	0.080	0.080	0.000	-0.06%	0.02%
0	4	0.080	0.081	0.001	0.96%	0.26%
0	5	0.081	0.080	-0.001	-1.38%	0.37%
10	6	0.080	0.080	0.000	-0.30%	0.08%
10	7	0.081	0.081	0.000	0.17%	0.05%
10	8	0.081	0.081	0.000	-0.02%	0.01%
10	9	0.081	0.080	0.000	-0.19%	0.05%
10	10	0.080	0.080	0.000	0.18%	0.05%
20	11	0.080	0.080	0.000	0.17%	0.05%
20	12	0.081	0.081	0.000	-0.05%	0.01%
20	13	0.080	0.080	0.000	0.01%	0.00%
20	14	0.081	0.081	0.000	0.01%	0.00%
20	15	0.081	0.081	0.000	0.06%	0.02%
30	16	0.080	0.079	0.000	-0.19%	0.05%
30	17	0.080	0.079	-0.001	-0.69%	0.18%
30	18	0.081	0.080	0.000	-0.45%	0.12%
30	19	0.080	0.080	0.000	0.01%	0.00%
30	20	0.081	0.080	0.000	-0.22%	0.06%
31	16a	0.080	0.080	0.000	0.01%	0.00%
31	17a	0.080	0.080	0.000	-0.38%	0.10%
31	18a	0.081	0.080	0.000	-0.32%	0.09%
31	19a	0.080	0.080	0.000	0.10%	0.03%
31	20a	0.081	0.080	0.000	-0.26%	0.07%
50	21	0.080	0.080	0.000	-0.41%	0.11%
50	22	0.081	0.081	0.000	-0.48%	0.13%
50	23	0.080	0.080	0.000	-0.45%	0.12%
50	24	0.080	0.080	0.000	-0.06%	0.02%
50	25	0.081	0.080	0.000	-0.49%	0.13%
	Max	0.081	0.081	0.000	1.27%	0.37%
	Average	0.080	0.080	0.000	-0.05%	0.10%
	Min	0.079	0.079	0.000	-1.38%	0.00%
	Std Dev	0.000	0.001	0.000	0.60%	0.12%



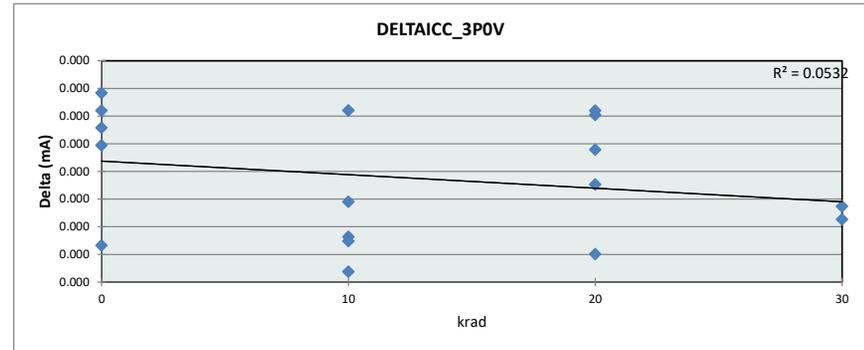
VOL_8MA_2P3V						
Units	V					
Max Limit	0.3					
Min Limit	-0.001					
krad	0	10	20	30	31	50
LL	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
Min	0.079	0.080	0.080	0.079	0.080	0.080
Average	0.080	0.080	0.081	0.080	0.080	0.080
Max	0.081	0.081	0.081	0.080	0.080	0.081
UL	0.300	0.300	0.300	0.300	0.300	0.300



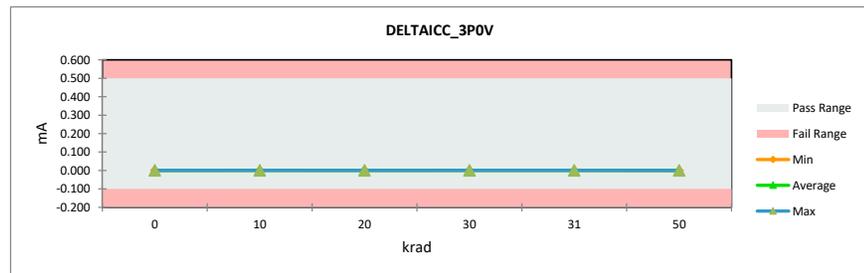
TID Report

SN54SC1G175-SEP

		DELTAICC_3POV				
		Units		mA		
		Max Limit		0.5		
		Min Limit		-0.1		
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.000	0.000	0.000	11.95%	0.01%
0	2	0.000	0.000	0.000	-12.98%	0.01%
0	3	0.000	0.000	0.000	9.18%	0.01%
0	4	0.000	0.000	0.000	4.70%	0.00%
0	5	0.000	0.000	0.000	16.53%	0.01%
10	6	0.000	0.000	0.000	-17.43%	0.01%
10	7	0.000	0.000	0.000	-11.72%	0.01%
10	8	0.000	0.000	0.000	-6.19%	0.00%
10	9	0.000	0.000	0.000	12.29%	0.01%
10	10	0.000	0.000	0.000	-11.60%	0.01%
20	11	0.000	0.000	0.000	11.55%	0.01%
20	12	0.000	0.000	0.000	4.19%	0.00%
20	13	0.000	0.000	0.000	-15.45%	0.01%
20	14	0.000	0.000	0.000	13.00%	0.01%
20	15	0.000	0.000	0.000	-2.49%	0.00%
30	16	0.000	0.000	0.000	-6.36%	0.00%
30	17	0.000	0.000	0.000	-9.65%	0.01%
30	18	0.000	0.000	0.000	-6.41%	0.00%
30	19	0.000	0.000	0.000	-12.69%	0.01%
30	20	0.000	0.000	0.000	-6.81%	0.00%
31	16a	0.000	0.000	0.000	3.18%	0.00%
31	17a	0.000	0.000	0.000	13.16%	0.01%
31	18a	0.000	0.000	0.000	-12.00%	0.01%
31	19a	0.000	0.000	0.000	-3.18%	0.00%
31	20a	0.000	0.000	0.000	-14.40%	0.01%
50	21	0.000	0.000	0.000	-15.70%	0.01%
50	22	0.000	0.000	0.000	-100.00%	0.06%
50	23	0.000	0.000	0.000	-100.00%	0.07%
50	24	0.000	0.000	0.000	-100.00%	0.07%
50	25	0.000	0.000	0.000	-100.00%	0.07%
	Max	0.000	0.000	0.000	16.53%	0.01%
	Average	0.000	0.000	0.000	-0.61%	0.01%
	Min	0.000	0.000	0.000	-17.43%	0.00%
	Std Dev	0.000	0.000	0.000	11.59%	0.00%



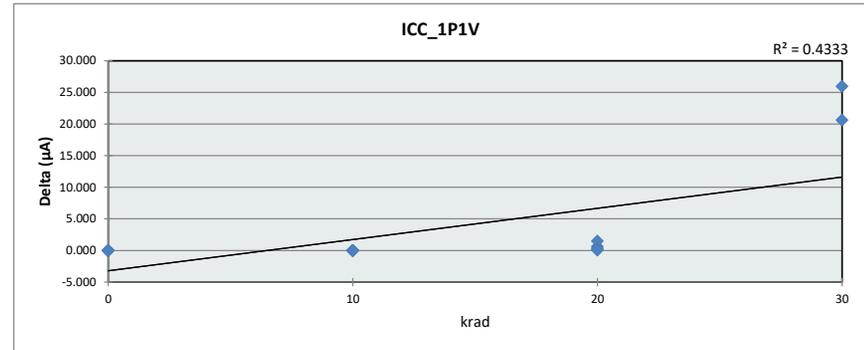
		DELTAICC_3POV					
		Units		mA			
		Max Limit		0.5			
		Min Limit		-0.1			
krad		0	10	20	30	31	50
LL		-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Min		0.000	0.000	0.000	0.000	0.000	0.000
Average		0.000	0.000	0.000	0.000	0.000	0.000
Max		0.000	0.000	0.000	0.000	0.000	0.000
UL		0.500	0.500	0.500	0.500	0.500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



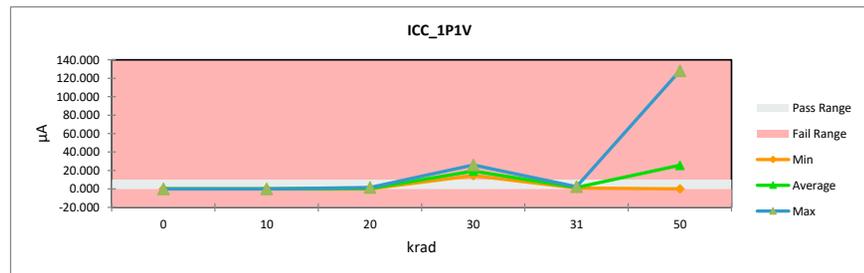
TID Report

SN54SC1G175-SEP

		ICC_1P1V				
Units		μA				
Max Limit		10				
Min Limit		-0.1				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	-0.001	0.000	0.001	-77.78%	0.01%
0	2	-0.001	-0.001	0.000	-22.84%	0.00%
0	3	-0.001	-0.001	0.000	-25.25%	0.00%
0	4	-0.001	-0.001	0.000	9.67%	0.00%
0	5	-0.001	-0.002	-0.001	219.36%	0.01%
10	6	-0.001	-0.002	-0.001	121.35%	0.01%
10	7	-0.002	-0.002	0.001	-26.06%	0.01%
10	8	-0.001	-0.002	-0.001	65.48%	0.01%
10	9	-0.001	0.000	0.001	-65.60%	0.01%
10	10	-0.001	0.000	0.001	-72.51%	0.01%
20	11	-0.002	0.598	0.600	-31644.54%	5.94%
20	12	-0.001	0.341	0.342	-33426.81%	3.38%
20	13	-0.001	1.480	1.481	-101469.86%	14.67%
20	14	-0.002	0.162	0.164	-8639.80%	1.62%
20	15	-0.002	0.038	0.040	-2151.45%	0.40%
30	16	-0.002	20.630	20.632	-1229539.81%	204.27%
30	17	-0.001	25.960	25.961	-2203835.14%	257.04%
30	18	-0.001	14.400	14.401	-1290422.58%	142.59%
30	19	-0.001	19.260	19.261	-1775215.21%	190.70%
30	20	-0.001	15.760	15.761	-1239093.71%	156.05%
31	16a	-0.002	2.377	2.379	-141756.73%	23.55%
31	17a	-0.001	2.072	2.073	-175991.34%	20.53%
31	18a	-0.001	0.817	0.818	-73334.77%	8.10%
31	19a	-0.001	0.817	0.818	-75417.97%	8.10%
31	20a	-0.001	1.595	1.596	-125493.08%	15.80%
50	21	-0.002	128.100	128.102	-7634188.20%	1268.33%
50	22	-0.001	0.000	0.001	-100.00%	0.01%
50	23	-0.001	0.000	0.001	-99.99%	0.01%
50	24	-0.001	0.000	0.001	-100.00%	0.01%
50	25	-0.001	0.000	0.001	-99.99%	0.01%
	Max	-0.001	25.960	25.961	219.36%	257.04%
	Average	-0.001	2.894	2.895	-212387.15%	28.67%
	Min	-0.002	-0.002	0.000	-2203835.14%	0.00%
	Std Dev	0.000	7.745	7.745	592363.41%	76.68%



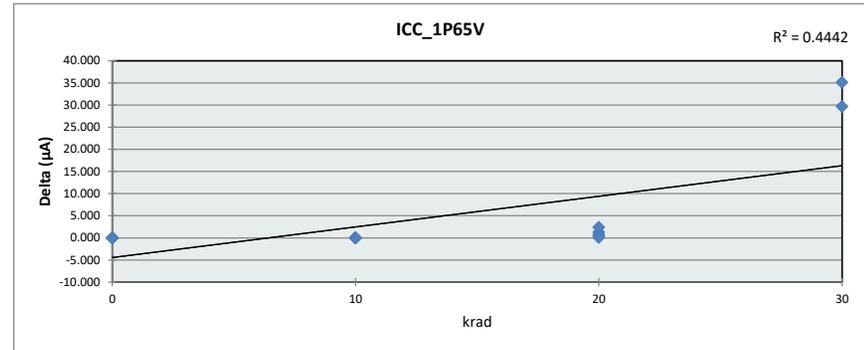
		ICC_1P1V					
Units		μA					
Max Limit		10					
Min Limit		-0.1					
krad		0	10	20	30	31	50
LL		-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Min		-0.002	-0.002	0.038	14.400	0.817	0.000
Average		-0.001	-0.001	0.524	19.202	1.536	25.620
Max		0.000	0.000	1.480	25.960	2.377	128.100
UL		10.000	10.000	10.000	10.000	10.000	10.000



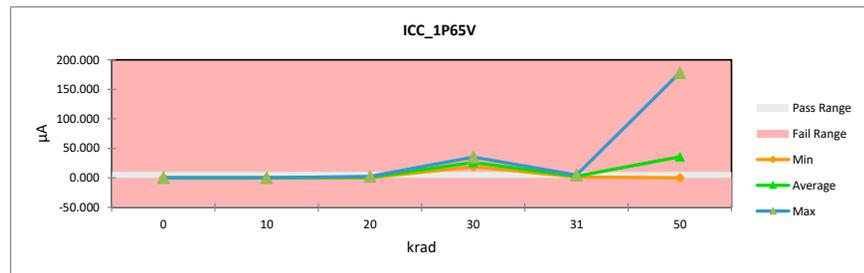
TID Report

SN54SC1G175-SEP

		ICC_1P65V				
Units		μA				
Max Limit		10				
Min Limit		-0.1				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.001	0.000	0.000	-58.30%	0.00%
0	2	0.001	0.002	0.001	52.52%	0.01%
0	3	0.002	0.001	-0.001	-41.74%	0.01%
0	4	0.000	0.002	0.002	1118.33%	0.01%
0	5	0.003	0.002	0.000	-19.89%	0.00%
10	6	0.001	0.002	0.001	56.81%	0.01%
10	7	0.000	0.002	0.001	252.14%	0.01%
10	8	0.002	0.002	0.000	-2.56%	0.00%
10	9	0.000	0.003	0.003	588.16%	0.03%
10	10	0.000	0.002	0.001	325.56%	0.01%
20	11	0.002	1.266	1.264	60099.71%	12.51%
20	12	0.002	0.703	0.701	34339.00%	6.94%
20	13	0.001	2.390	2.389	199565.83%	23.65%
20	14	0.001	0.352	0.350	26503.63%	3.47%
20	15	0.002	0.069	0.067	3384.83%	0.66%
30	16	0.001	29.680	29.679	4077383.17%	293.85%
30	17	0.000	35.130	35.130	384270300.35%	347.82%
30	18	0.002	18.880	18.878	897665.10%	186.91%
30	19	0.000	26.880	26.880	11794546.77%	266.14%
30	20	0.001	20.210	20.209	2900718.14%	200.09%
31	16a	0.001	4.589	4.588	630343.74%	45.43%
31	17a	0.000	3.496	3.496	38240985.10%	34.61%
31	18a	0.002	1.581	1.579	75078.32%	15.63%
31	19a	0.000	1.421	1.421	623419.09%	14.07%
31	20a	0.001	2.273	2.272	326152.33%	22.50%
50	21	0.002	178.200	178.198	10130656.11%	1764.34%
50	22	0.002	0.000	-0.002	-100.00%	0.02%
50	23	0.000	0.000	0.000	-100.19%	0.00%
50	24	0.002	0.000	-0.002	-99.99%	0.02%
50	25	0.000	0.000	0.000	-99.85%	0.00%
	Max	0.003	35.130	35.127	384270300.35%	347.82%
	Average	0.001	4.095	4.093	22863167.50%	40.53%
	Min	0.000	0.000	0.000	-58.30%	0.00%
	Std Dev	0.001	10.718	10.717	93137673.24%	106.12%



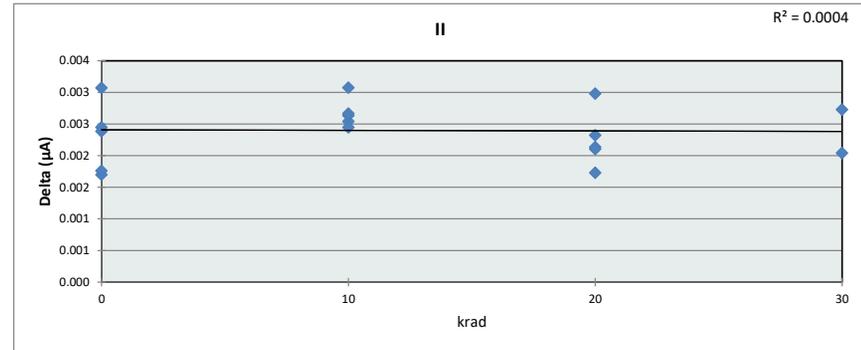
		ICC_1P65V					
Units		μA					
Max Limit		10					
Min Limit		-0.1					
krad		0	10	20	30	31	50
LL		-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Min		0.000	0.002	0.069	18.880	1.421	0.000
Average		0.001	0.002	0.956	26.156	2.672	35.640
Max		0.002	0.003	2.390	35.130	4.589	178.200
UL		10.000	10.000	10.000	10.000	10.000	10.000



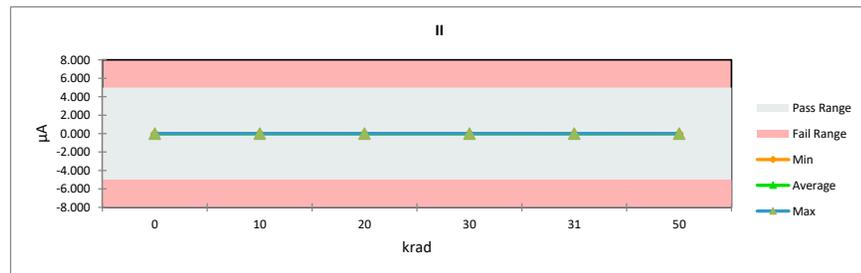
TID Report

SN54SC1G175-SEP

		II				
Units		μA				
Max Limit		5				
Min Limit		-5				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.002	0.004	0.002	86.19%	0.02%
0	2	0.002	0.004	0.002	136.15%	0.02%
0	3	0.002	0.005	0.003	204.66%	0.03%
0	4	0.002	0.004	0.002	139.75%	0.02%
0	5	0.002	0.004	0.002	86.56%	0.02%
10	6	0.002	0.004	0.003	169.22%	0.03%
10	7	0.002	0.004	0.003	150.43%	0.03%
10	8	0.001	0.005	0.003	209.19%	0.03%
10	9	0.002	0.005	0.003	142.11%	0.03%
10	10	0.002	0.004	0.002	120.42%	0.02%
20	11	0.001	0.004	0.003	244.38%	0.03%
20	12	0.003	0.005	0.002	80.35%	0.02%
20	13	0.002	0.004	0.002	103.49%	0.02%
20	14	0.002	0.004	0.002	74.71%	0.02%
20	15	0.002	0.004	0.002	154.70%	0.02%
30	16	0.002	0.004	0.003	174.54%	0.03%
30	17	0.002	0.004	0.002	93.28%	0.02%
30	18	0.002	0.005	0.003	131.28%	0.03%
30	19	0.003	0.003	0.001	22.43%	0.01%
30	20	0.002	0.005	0.003	166.65%	0.03%
31	16a	0.002	0.004	0.003	176.58%	0.03%
31	17a	0.002	0.004	0.002	78.98%	0.02%
31	18a	0.002	0.004	0.002	85.70%	0.02%
31	19a	0.003	0.004	0.002	63.13%	0.02%
31	20a	0.002	0.004	0.002	120.88%	0.02%
50	21	0.002	0.004	0.002	116.15%	0.02%
50	22	0.002	0.000	-0.002	-100.00%	0.02%
50	23	0.002	0.000	-0.002	-100.00%	0.02%
50	24	0.002	0.000	-0.002	-100.00%	0.02%
50	25	0.002	0.000	-0.002	-100.00%	0.02%
	Max	0.003	0.005	0.002	244.38%	0.03%
	Average	0.002	0.004	0.002	139.42%	0.02%
	Min	0.001	0.004	0.002	74.71%	0.02%
	Std Dev	0.000	0.000	0.000	49.82%	0.00%



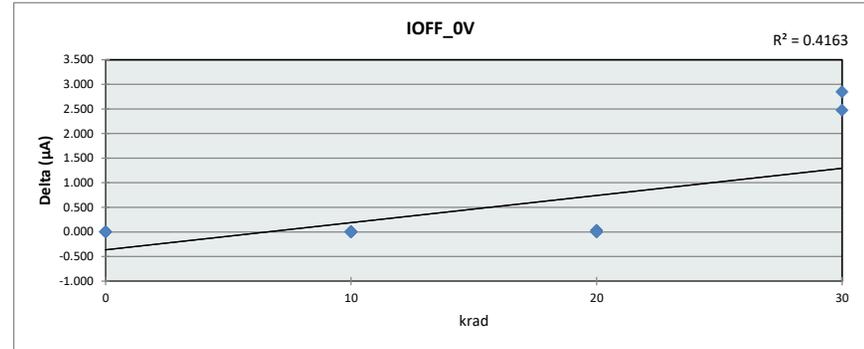
		II				
Units		μA				
Max Limit		5				
Min Limit		-5				
krad	0	10	20	30	31	50
LL	-5.000	-5.000	-5.000	-5.000	-5.000	-5.000
Min	0.004	0.004	0.004	0.003	0.004	0.000
Average	0.004	0.004	0.004	0.004	0.004	0.001
Max	0.005	0.005	0.005	0.005	0.004	0.004
UL	5.000	5.000	5.000	5.000	5.000	5.000



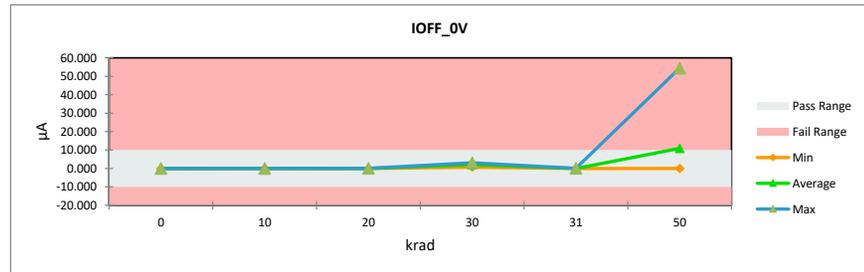
TID Report

SN54SC1G175-SEP

		IOFF_0V				
Units		µA				
Max Limit		10				
Min Limit		-10				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.002	0.005	0.003	146.56%	0.01%
0	2	0.002	0.004	0.002	104.78%	0.01%
0	3	0.002	0.004	0.002	117.80%	0.01%
0	4	0.002	0.005	0.003	217.64%	0.02%
0	5	0.002	0.004	0.003	196.34%	0.01%
10	6	0.002	0.004	0.002	102.06%	0.01%
10	7	0.002	0.004	0.002	80.63%	0.01%
10	8	0.002	0.004	0.002	103.29%	0.01%
10	9	0.002	0.005	0.003	128.54%	0.01%
10	10	0.001	0.005	0.004	270.46%	0.02%
20	11	0.002	0.031	0.029	1774.54%	0.15%
20	12	0.001	0.033	0.032	2382.89%	0.16%
20	13	0.003	0.005	0.002	91.71%	0.01%
20	14	0.002	0.004	0.002	114.78%	0.01%
20	15	0.002	0.005	0.003	151.58%	0.01%
30	16	0.003	2.476	2.473	93087.81%	12.37%
30	17	0.002	2.850	2.848	116799.10%	14.24%
30	18	0.003	3.125	3.122	122545.21%	15.61%
30	19	0.002	1.562	1.560	86055.54%	7.80%
30	20	0.002	0.677	0.675	36283.66%	3.38%
31	16a	0.003	0.041	0.039	1451.00%	0.19%
31	17a	0.002	0.017	0.015	602.21%	0.07%
31	18a	0.003	0.008	0.005	205.26%	0.03%
31	19a	0.002	0.005	0.004	203.20%	0.02%
31	20a	0.002	0.009	0.007	358.25%	0.03%
50	21	0.001	54.420	54.419	3870454.77%	272.09%
50	22	0.002	0.000	-0.002	-99.98%	0.01%
50	23	0.003	0.000	-0.003	-99.99%	0.02%
50	24	0.002	0.000	-0.002	-99.99%	0.01%
50	25	0.002	0.000	-0.002	-99.99%	0.01%
	Max	0.003	2.850	2.847	116799.10%	14.24%
	Average	0.002	0.320	0.319	12698.26%	1.59%
	Min	0.001	0.004	0.002	80.63%	0.01%
	Std Dev	0.000	0.884	0.884	34977.95%	4.42%



		IOFF_0V					
Units		µA					
Max Limit		10					
Min Limit		-10					
krad		0	10	20	30	31	50
LL		-10.000	-10.000	-10.000	-10.000	-10.000	-10.000
Min		0.004	0.004	0.004	0.677	0.005	0.000
Average		0.005	0.004	0.016	2.138	0.016	10.884
Max		0.005	0.005	0.033	3.125	0.041	54.420
UL		10.000	10.000	10.000	10.000	10.000	10.000



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Last updated 10/2025