

SN54SC4T32-SEP Total Ionizing Dose (TID) Report



ABSTRACT

This report covers the Radiation Lot Acceptance Testing (RLAT) results of the SN54SC4T32-SEP radiation tolerant, quadruple 2-input positive-OR gates with integrated translation. The study was done to determine Total Ionizing Dose (TID) effects under high dose rate (HDR) to 30 krad(Si). Radiation Lot Acceptance Testing (RLAT) was performed using five units at a dose level of 30 krad(Si) per MIL-STD-883 TM 1019, and all future wafer lots will be tested to the same conditions.

The SN54SC4T32-SEP is packaged in a space enhanced plastic for low outgassing characteristics and is Single Event Latch-Up (SEL) immune up to 43 MeV-cm²/mg, which makes the device an option for low Earth orbit space applications.

For full total ionizing dose characterization results, see [SN54SC4T125-SEP Total Ionizing Dose \(TID\) Report](#).

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1 Device Information

The SN54SC4T32-SEP contains four independent 2-input OR Gates with Schmitt-trigger inputs and extended voltage operation to allow for level translation. Each gate performs the Boolean function $Y = A + B$ in positive logic. The output level is referenced to the supply voltage (V_{CC}) and supports 1.8-V, 2.5-V, 3.3-V, and 5-V CMOS levels.

The input is designed with a lower threshold circuit to support up translation for lower voltage CMOS inputs (for example 1.2 V input to 1.8 V output or 1.8 V input to 3.3 V output). Additionally, the 5-V tolerant input pins enable down translation (for example 3.3 V to 2.5 V output).

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: to 30 krad(Si) | |
|---------------------------------|---|
| TI Device Number | SN54SC4T32-SEP |
| Package | 14-pin PW (TSSOP) |
| Technology | LBC9 |
| Die Lot Number | 3059495RFB |
| A/T Lot Number and Date Code | 3640318ML3 / 36AGQ5K |
| Quantity Tested | 12 irradiated devices + 4 control |
| Lot Accept or Reject | Devices passed 30 krad(Si) |
| HDR Radiation Facility | Texas Instruments CLAB in Dallas, Texas |
| HDR Dose Level | 30 krad(Si) |
| HDR Dose Rate | 197.93 -rad(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 SN54SC4T32-SEP samples were irradiated at a high dose rate of 197.93 rad(Si)/s to 30 krad(Si) 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 SN54SC4T32-SEP HDR exposure was performed on biased and unbiased devices in a Co-60 gamma cell at TI facility in Dallas, Texas. The un-attenuated dose rate of this cell is 197.93 rads(Si)/s. 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.

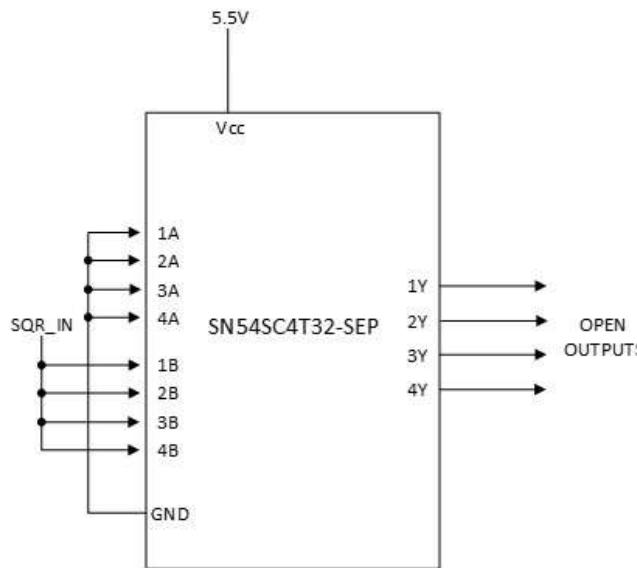


Figure 2-1. SN54SC4T32-SEP Bias Diagram

2.4 Test Configuration and Condition

The RLAT units were irradiated to 30 krad(Si), parametrically tested on ATE, and then were annealed at 25°C anneal for 50 hours. The units were then put through parametric testing once more on the ATE. An additional 6 units were irradiated to 30 krad(Si) without anneal, for reference.

Table 2-1 lists the serialized samples used for TID Radiation Lot Acceptance Testing (RLAT).

Table 2-1. HDR Device Information

| Control Group | HDR = 197.93 rad(Si)/s | |
|------------------------|------------------------|-------------------------|
| Total Samples: 4 | Total Samples: 12 | |
| Exposure Levels | | |
| 0 krad (Si) | 30 krad(Si) | |
| Biased | Biased | Biased + 50 hour anneal |
| 1 - 4 | 5 - 10 | 11 - 16 |

3 TID Characterization Test Results

3.1 TID Characterization Summary Results

The parametric data for the SN54SC4T32-SEP passes to 30 krad(Si) HDR TID irradiation. The drifts of the electrical parameters through HDR were within the data sheet limits.

Overall, the SN54SC4T32-SEP showed a strong degree of hardness to HDR TID irradiation up to 30 krad(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.

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

3.2 Specification Compliance Matrix

Table 3-1. Electrical Parameters Table

| Parameter | Test Conditions | V _{CC} | T _A = -55°C to +125°C | | | Unit | Test Name |
|-------------------|---|------------------|----------------------------------|-------|-------|------|--|
| | | | MIN | TYP | MAX | | |
| V _{T+} 1 | Positive-going input threshold voltage | 1.2 V to 1.3 V | 0.31 | 0.655 | 1.1 | V | VTP_1P2V |
| | | 1.65 V to 2 V | 0.39 | 0.915 | 1.32 | | VTP_1P65V, VTP_2V |
| | | 2.25 V to 2.75 V | 0.51 | 1.09 | 1.51 | | VTP_2P25V, VTP_2P75V |
| | | 3 V to 3.6 V | 0.65 | 1.2 | 1.7 | | VTP_3V, VTP_3P6V |
| | | 4.5 V to 5.5 V | 0.87 | 1.51 | 2.16 | | VTP_4P5V, VTP_5P5V |
| V _{T-} 1 | Negative-going input threshold voltage | 1.2 V to 1.3 V | 0.11 | 0.349 | 0.622 | V | VTN_1P2V |
| | | 1.65 V to 2 V | 0.18 | 0.455 | 0.666 | | VTN_1P65V, VTN_2V |
| | | 2.25 V to 2.75 V | 0.25 | 0.545 | 0.74 | | VTN_2P25V, VTN_2P75V |
| | | 3 V to 3.6 V | 0.33 | 0.635 | 0.85 | | VTN_3V, VTN_3P6V |
| | | 4.5 V to 5.5 V | 0.45 | 0.755 | 1.14 | | VTN_4P5V, VTN_5P5V |
| ΔV _T 1 | Hysteresis (V _{T+} – V _{T-}) | 1.2 V to 1.3 V | 0.081 | 0.29 | 0.77 | V | DELTAVT_1P2V |
| | | 1.65 V to 2 V | 0.21 | 0.43 | 0.88 | | DELTAVT_1P65V, DELTAVT_2V |
| | | 2.25 V to 2.75 V | 0.25 | 0.54 | 0.91 | | DELTAVT_2P25V, DELTAVT_2P75V |
| | | 3 V to 3.6 V | 0.31 | 0.63 | 0.91 | | DELTAVT_3V, DELTAVT_3P6V |
| | | 4.5 V to 5.5 V | 0.43 | 0.75 | 1.1 | | DELTAVT_4P5V, DELTAVT_5P5V |
| V _{IH} | High-level input voltage | 1.2 V to 1.3 V | 0.78 | | | V | VIH_1P2V, VIH_1P3V |
| | | 1.65 V to 2 V | 1.1 | | | | VIH_1P65V, VIH_2V |
| | | 2.25 V to 2.75 V | 1.28 | | | | VIH_2P25V, VIH_2P75V |
| | | 3 V to 3.6 V | 1.45 | | | | VIH_3V, VIH_3P6V |
| | | 4.5 V to 5.5 V | 2 | | | | VIH_4P5V, VIH_5P5V |
| V _{IL} | Low-Level input voltage | 1.2 V to 1.3 V | | | 0.18 | V | VIL_1P2V, VIL_1P3V |
| | | 1.65 V to 2 V | | | 0.51 | | VIL_1P65V, VIL_2V |
| | | 2.25 V to 2.75 V | | | 0.65 | | VIL_2P25V, VIL_2P75V |
| | | 3 V to 3.6 V | | | 0.75 | | VIL_3V, VIL_3P6V |
| | | 4.5 V to 5.5 V | | | 0.80 | | VIL_4P5V, VIL_5P5V |
| V _{OH} 2 | I _{OH} = -50 μA | 1.2 V to 5.5 V | V _{CC} -0.2 | | | V | VOH_N50UA_1P65V, VOH_N50UA_2V, VOH_N50UA_2P75V, VOH_N50UA_3P6V, VOH_N50UA_4P5V, VOH_N50UA_5P5V |
| | I _{OH} = -1 mA | 1.2 V | 0.8 | | | | VOH_N1MA_1P2V |
| | I _{OH} = -2 mA | 1.65 V to 2 V | 1.21 | | | | VOH_N2MA_1P65V, VOH_N2MA_2V |
| | I _{OH} = -3 mA | 2.25 V to 2.75 V | 1.93 | | | | VOH_N3MA_2P25V, VOH_N3MA_2P75V |
| | I _{OH} = -5.5 mA | 3 V to 3.6 V | 2.49 | | | | VOH_N5P5MA_3V, VOH_N5P5MA_3P6V |
| | I _{OH} = -8 mA | 4.5 V to 5.5 V | 3.95 | | | | VOH_N8MA_4P5V, VOH_N8MA_5P5V |
| | I _{OH} = -24 mA | 4.5 V to 5.5 V | 3.15 | | | | VOH_N24MA_4P5V, VOH_N24MA_5P5V |

Table 3-1. Electrical Parameters Table (continued)

| Parameter | Test Conditions | V _{CC} | T _A = -55°C to +125°C | | | Unit | Test Name |
|------------------------------|---|---|----------------------------------|------|-----|------|--|
| | | | MIN | TYP | MAX | | |
| V _{OL} | I _{OL} = 50 µA | 1.2 V to 5.5 V | | 0.1 | | V | VOL_50UA_1P65V, VOL_50UA_2V, VOL_50UA_2P75V,VOL_50UA_3P6V, VOL_50UA_4P5V, VOL_50UA_5P5V |
| | I _{OL} = 1 mA | 1.2 V | | 0.2 | | | VOL_1MA_1P2V |
| | I _{OL} = 2 mA | 1.65 V to 2 V | | 0.25 | | | VOL_2MA_1P65V, VOL_2MA_2V |
| | I _{OL} = 3 mA | 2.25 V to 2.75 V | | 0.2 | | | VOL_3MA_2P25V, VOL_3MA_2P75V |
| | I _{OL} = 5.5 mA | 3 V to 3.6 V | | 0.25 | | | VOL_5P5MA_3V, VOL_5P5MA_3P6V |
| | I _{OL} = 8 mA | 4.5 V to 5.5 V | | 0.35 | | | VOL_8MA_4P5V, VOL_8MA_5P5V |
| | I _{OL} = 24 mA | 4.5 V to 5.5 V | | 0.75 | | | VOL_24MA_4P5V, VOL_24MA_5P5V |
| I _{CC} | V _I = V _{CC} or GND, I _O = 0 | 1.2 V to 5.5 V | 2 | 93 | µA | | ICCH_5P5V, ICCL_5P5V |
| ΔI _{CC} | One input at 0.3 V or 3.4 V, other inputs at V _{CC} or GND | 5.5 V | | 1.5 | mA | | DELTAICC_5P5V |
| | One input at 0.3 V or 1.1 V, other inputs at V _{CC} or GND | 1.8 V | | 68 | µA | | DELTAICC_1P8V |
| I _{OZ} ³ | V _O = V _{CC} or GND | 5.5 V | | ±2.5 | µA | | IOZ |
| I _I | V _I = 0 V to V _{CC} | V _I = 0 V to V _{CC} | | ±1 | µA | | IIH_5P5V, IIL_5P5V |

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

4 Reference Documents

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

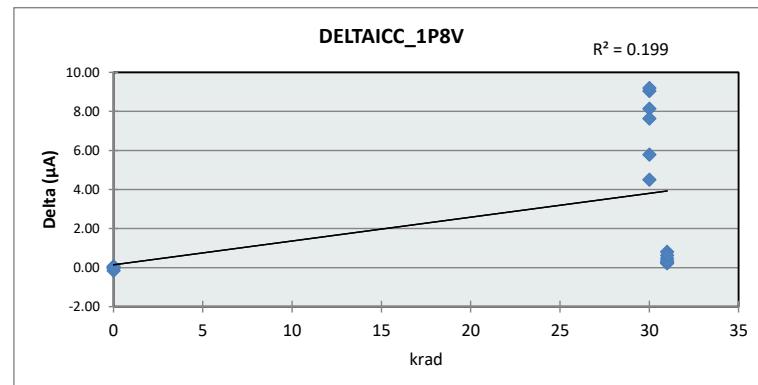
5 Appendix: HDR TID Report Data

This appendix provides the SN54SC4T32-SEP TID HDR report. The report shows the variation for each parameter to 30 krad(Si).

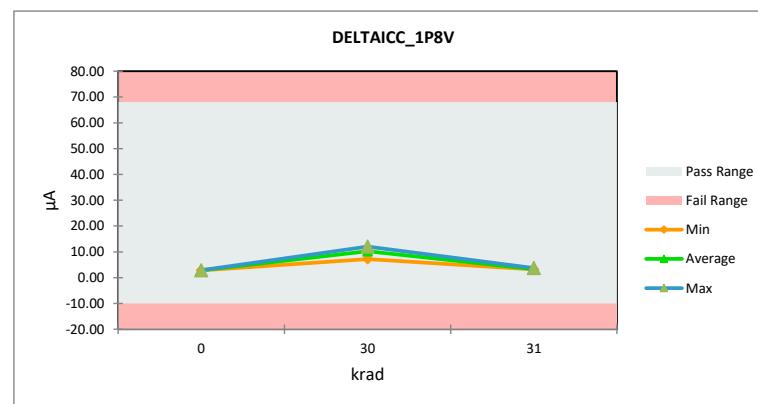
TID Report

SN54SC4T32-SEP

| DETAICC_1P8V | | | | | | |
|--------------|---------------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | μA | | | | | |
| Max Limit | 68 | | | | | |
| Min Limit | -10 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 2.955 | 2.798 | -0.16 | -5.31% | 0.20% |
| 0 | 2 | 2.767 | 2.830 | 0.06 | 2.28% | 0.08% |
| 0 | 3 | 2.892 | 2.861 | -0.03 | -1.07% | 0.04% |
| 0 | 4 | 2.830 | 2.830 | 0.00 | 0.00% | 0.00% |
| 30 | 5 | 2.986 | 12.030 | 9.04 | 302.88% | 11.59% |
| 30 | 6 | 2.861 | 11.000 | 8.14 | 284.48% | 10.43% |
| 30 | 7 | 2.798 | 12.000 | 9.20 | 328.88% | 11.80% |
| 30 | 8 | 2.955 | 10.590 | 7.64 | 258.38% | 9.79% |
| 30 | 9 | 2.830 | 8.621 | 5.79 | 204.63% | 7.42% |
| 30 | 10 | 2.673 | 7.181 | 4.51 | 168.65% | 5.78% |
| 31 | 11 | 2.986 | 3.205 | 0.22 | 7.33% | 0.28% |
| 31 | 12 | 2.861 | 3.675 | 0.81 | 28.45% | 1.04% |
| 31 | 13 | 2.798 | 3.268 | 0.47 | 16.80% | 0.60% |
| 31 | 14 | 2.955 | 3.205 | 0.25 | 8.46% | 0.32% |
| 31 | 15 | 2.830 | 3.174 | 0.34 | 12.16% | 0.44% |
| 31 | 16 | 2.673 | 3.299 | 0.63 | 23.42% | 0.80% |
| Max | | 2.986 | 12.030 | 9.04 | 328.88% | 11.80% |
| Average | | 2.853 | 5.785 | 2.93 | 102.53% | 3.79% |
| Min | | 2.673 | 2.798 | 0.13 | -5.31% | 0.00% |
| Std Dev | | 0.099 | 3.741 | 3.64 | 129.53% | 4.76% |



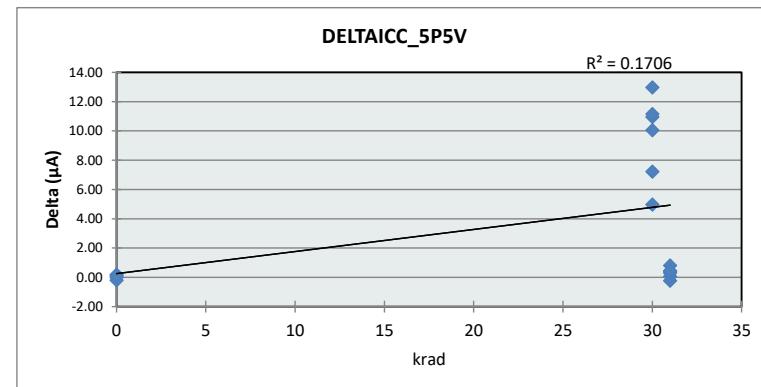
| DETAICC_1P8V | | | | | | |
|--------------|---------------|--------|--------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | μA | | | | | |
| Max Limit | 68 | | | | | |
| Min Limit | -10 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | -10.00 | -10.00 | -10.00 | | | |
| Min | 2.80 | 7.18 | 3.17 | | | |
| Average | 2.83 | 10.24 | 3.30 | | | |
| Max | 2.86 | 12.03 | 3.68 | | | |
| UL | 68.00 | 68.00 | 68.00 | | | |



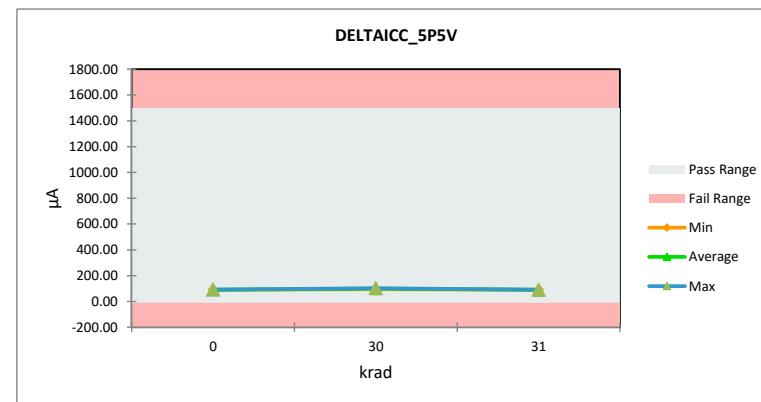
TID Report

SN54SC4T32-SEP

| DETAICC_5P5V | | | | | | | |
|--------------|----------|------------|-------------|-------------|----------|------------------|----|
| Test Site | CLAB | Tester | ETS88-01 | Test Number | EQ774601 | Units | µA |
| Max Limit | 1500 | | | | | | |
| Min Limit | -10 | | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range | |
| 0 | 1 | 91.230 | 91.230 | 0.00 | 0.00% | 0.00% | |
| 0 | 2 | 89.920 | 90.100 | 0.18 | 0.20% | 0.01% | |
| 0 | 3 | 90.170 | 89.980 | -0.19 | -0.21% | 0.01% | |
| 0 | 4 | 90.820 | 90.920 | 0.10 | 0.11% | 0.01% | |
| 30 | 5 | 90.450 | 101.400 | 10.95 | 12.11% | 0.73% | |
| 30 | 6 | 90.640 | 101.800 | 11.16 | 12.31% | 0.74% | |
| 30 | 7 | 89.320 | 102.300 | 12.98 | 14.53% | 0.86% | |
| 30 | 8 | 89.850 | 99.900 | 10.05 | 11.19% | 0.67% | |
| 30 | 9 | 90.170 | 97.400 | 7.23 | 8.02% | 0.48% | |
| 30 | 10 | 89.820 | 94.800 | 4.98 | 5.54% | 0.33% | |
| 31 | 11 | 90.450 | 90.860 | 0.41 | 0.45% | 0.03% | |
| 31 | 12 | 90.640 | 90.420 | -0.22 | -0.24% | 0.01% | |
| 31 | 13 | 89.320 | 90.140 | 0.82 | 0.92% | 0.05% | |
| 31 | 14 | 89.850 | 89.920 | 0.07 | 0.08% | 0.00% | |
| 31 | 15 | 90.170 | 90.480 | 0.31 | 0.34% | 0.02% | |
| 31 | 16 | 89.820 | 90.260 | 0.44 | 0.49% | 0.03% | |
| Max | | 91.230 | 102.300 | 11.07 | 14.53% | 0.86% | |
| Average | | 90.165 | 93.869 | 3.70 | 4.11% | 0.25% | |
| Min | | 89.320 | 89.920 | 0.60 | -0.24% | 0.00% | |
| Std Dev | | 0.523 | 4.901 | 4.38 | 5.54% | 0.33% | |



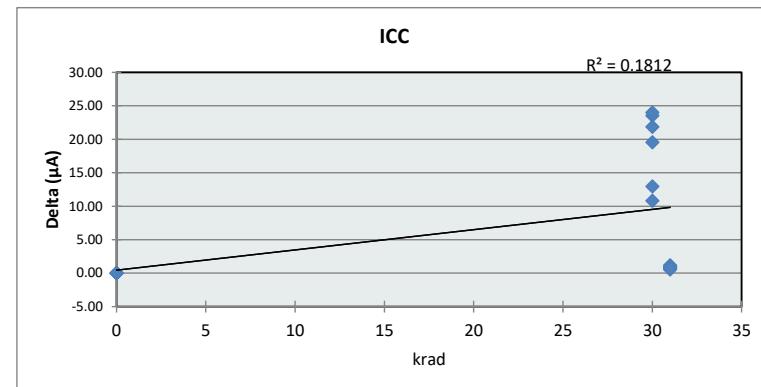
| DETAICC_5P5V | | | | | | | |
|--------------|---------|---------|----------|-------------|----------|-------|----|
| Test Site | CLAB | Tester | ETS88-01 | Test Number | EQ774601 | Units | µA |
| Max Limit | 1500 | | | | | | |
| Min Limit | -10 | | | | | | |
| krad | 0 | 30 | 31 | | | | |
| LL | -10.00 | -10.00 | -10.00 | | | | |
| Min | 89.98 | 94.80 | 89.92 | | | | |
| Average | 90.56 | 99.60 | 90.35 | | | | |
| Max | 91.23 | 102.30 | 90.86 | | | | |
| UL | 1500.00 | 1500.00 | 1500.00 | | | | |



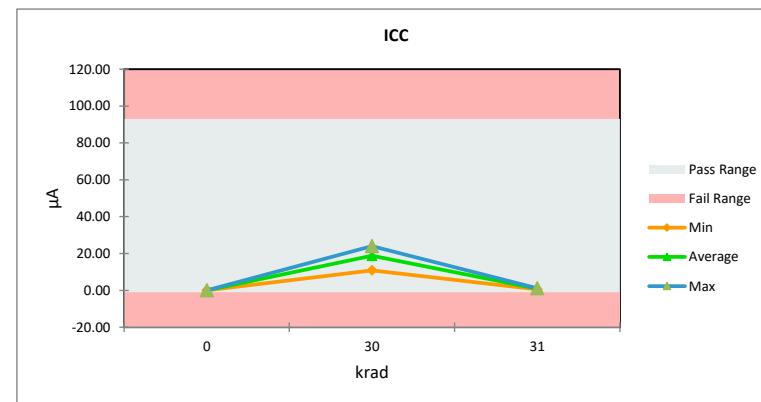
TID Report

SN54SC4T32-SEP

| ICC | | | | | | |
|-------------|---------------|------------|-------------|-------|------------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | μA | | | | | |
| Max Limit | 93 | | | | | |
| Min Limit | -1 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 0.007 | 0.012 | 0.01 | 75.12% | 0.01% |
| 0 | 2 | 0.011 | 0.015 | 0.00 | 37.56% | 0.00% |
| 0 | 3 | 0.012 | 0.016 | 0.00 | 31.87% | 0.00% |
| 0 | 4 | 0.035 | 0.019 | -0.02 | -45.20% | 0.02% |
| 30 | 5 | 0.009 | 19.580 | 19.57 | 217407.22% | 20.82% |
| 30 | 6 | 0.013 | 23.560 | 23.55 | 179884.72% | 25.05% |
| 30 | 7 | 0.012 | 24.010 | 24.00 | 202858.58% | 25.53% |
| 30 | 8 | 0.011 | 21.880 | 21.87 | 200818.27% | 23.27% |
| 30 | 9 | 0.012 | 12.970 | 12.96 | 109536.52% | 13.79% |
| 30 | 10 | 0.013 | 10.830 | 10.82 | 82634.91% | 11.51% |
| 31 | 11 | 0.009 | 0.948 | 0.94 | 10428.77% | 1.00% |
| 31 | 12 | 0.013 | 1.202 | 1.19 | 9082.58% | 1.26% |
| 31 | 13 | 0.012 | 0.973 | 0.96 | 8124.85% | 1.02% |
| 31 | 14 | 0.011 | 0.821 | 0.81 | 7439.94% | 0.86% |
| 31 | 15 | 0.012 | 0.565 | 0.55 | 4675.15% | 0.59% |
| 31 | 16 | 0.013 | 0.729 | 0.72 | 5471.43% | 0.76% |
| Max | | 0.035 | 24.010 | 23.98 | 217407.22% | 25.53% |
| Average | | 0.013 | 7.383 | 7.37 | 64903.89% | 7.84% |
| Min | | 0.007 | 0.012 | 0.01 | -45.20% | 0.00% |
| Std Dev | | 0.006 | 9.702 | 9.70 | 86754.42% | 10.32% |



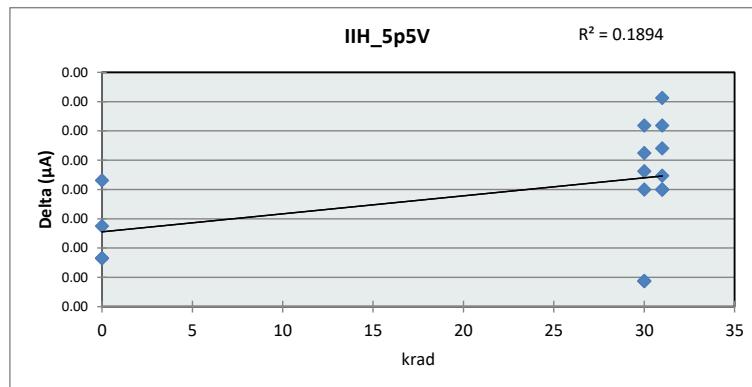
| ICC | | | | | | |
|-------------|---------------|-------|-------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | μA | | | | | |
| Max Limit | 93 | | | | | |
| Min Limit | -1 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | -1.00 | -1.00 | -1.00 | | | |
| Min | 0.01 | 10.83 | 0.56 | | | |
| Average | 0.02 | 18.81 | 0.87 | | | |
| Max | 0.02 | 24.01 | 1.20 | | | |
| UL | 93.00 | 93.00 | 93.00 | | | |



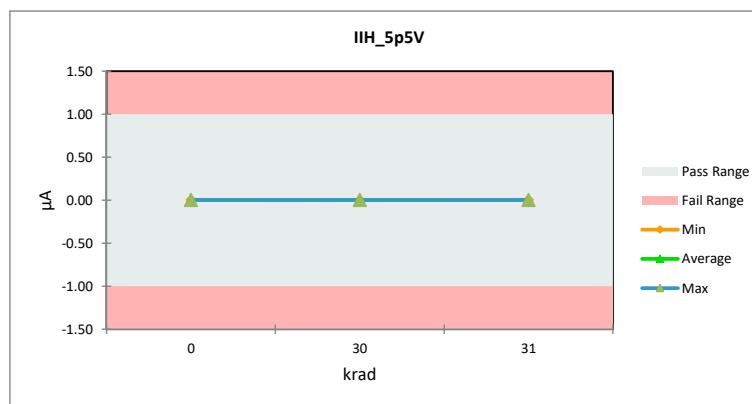
TID Report

SN54SC4T32-SEP

| IIH_5p5V | | | | | | |
|-------------|---------------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | μA | | | | | |
| Max Limit | 1 | | | | | |
| Min Limit | -1 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 0.003 | 0.003 | 0.00 | 1.82% | 0.00% |
| 0 | 2 | 0.004 | 0.003 | 0.00 | -12.52% | 0.02% |
| 0 | 3 | 0.003 | 0.003 | 0.00 | -7.47% | 0.01% |
| 0 | 4 | 0.004 | 0.003 | 0.00 | -12.29% | 0.02% |
| 30 | 5 | 0.003 | 0.003 | 0.00 | 15.55% | 0.02% |
| 30 | 6 | 0.004 | 0.003 | 0.00 | -17.70% | 0.03% |
| 30 | 7 | 0.003 | 0.003 | 0.00 | 0.00% | 0.00% |
| 30 | 8 | 0.003 | 0.003 | 0.00 | 3.84% | 0.01% |
| 30 | 9 | 0.004 | 0.003 | 0.00 | -16.93% | 0.03% |
| 30 | 10 | 0.003 | 0.004 | 0.00 | 7.40% | 0.01% |
| 31 | 11 | 0.003 | 0.003 | 0.00 | 10.01% | 0.01% |
| 31 | 12 | 0.004 | 0.004 | 0.00 | 0.00% | 0.00% |
| 31 | 13 | 0.003 | 0.004 | 0.00 | 2.73% | 0.00% |
| 31 | 14 | 0.003 | 0.004 | 0.00 | 13.46% | 0.02% |
| 31 | 15 | 0.004 | 0.004 | 0.00 | 0.00% | 0.00% |
| 31 | 16 | 0.003 | 0.004 | 0.00 | 18.53% | 0.03% |
| Max | | 0.004 | 0.004 | 0.00 | 18.53% | 0.03% |
| Average | | 0.003 | 0.003 | 0.00 | 0.40% | 0.01% |
| Min | | 0.003 | 0.003 | 0.00 | -17.70% | 0.00% |
| Std Dev | | 0.000 | 0.000 | 0.00 | 11.28% | 0.01% |



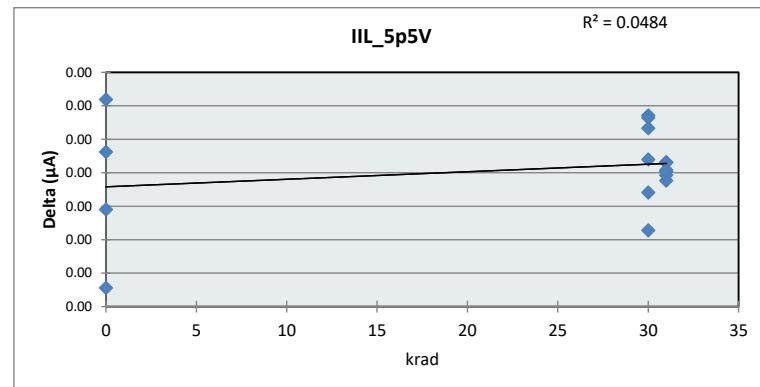
| IIH_5p5V | | | | | | |
|-------------|---------------|-------|-------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | μA | | | | | |
| Max Limit | 1 | | | | | |
| Min Limit | -1 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | -1.00 | -1.00 | -1.00 | | | |
| Min | 0.00 | 0.00 | 0.00 | | | |
| Average | 0.00 | 0.00 | 0.00 | | | |
| Max | 0.00 | 0.00 | 0.00 | | | |
| UL | 1.00 | 1.00 | 1.00 | | | |



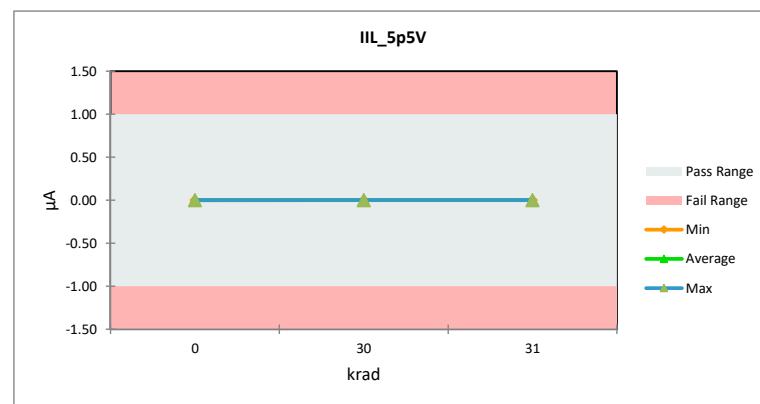
TID Report

SN54SC4T32-SEP

| III_L_5p5V | | | | | | |
|-------------|---------------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | μA | | | | | |
| Max Limit | 1 | | | | | |
| Min Limit | -1 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 0.001 | 0.001 | 0.00 | -22.15% | 0.01% |
| 0 | 2 | 0.001 | 0.001 | 0.00 | 64.79% | 0.02% |
| 0 | 3 | 0.001 | 0.001 | 0.00 | -49.34% | 0.03% |
| 0 | 4 | 0.001 | 0.001 | 0.00 | 13.55% | 0.01% |
| 30 | 5 | 0.001 | 0.001 | 0.00 | 37.10% | 0.02% |
| 30 | 6 | 0.001 | 0.001 | 0.00 | 34.07% | 0.01% |
| 30 | 7 | 0.001 | 0.001 | 0.00 | 38.94% | 0.02% |
| 30 | 8 | 0.001 | 0.001 | 0.00 | -39.85% | 0.02% |
| 30 | 9 | 0.001 | 0.001 | 0.00 | -13.08% | 0.01% |
| 30 | 10 | 0.001 | 0.001 | 0.00 | 8.38% | 0.00% |
| 31 | 11 | 0.001 | 0.001 | 0.00 | 0.88% | 0.00% |
| 31 | 12 | 0.001 | 0.001 | 0.00 | -5.86% | 0.00% |
| 31 | 13 | 0.001 | 0.001 | 0.00 | -1.72% | 0.00% |
| 31 | 14 | 0.001 | 0.001 | 0.00 | 7.25% | 0.00% |
| 31 | 15 | 0.001 | 0.001 | 0.00 | 6.99% | 0.00% |
| 31 | 16 | 0.001 | 0.001 | 0.00 | 1.77% | 0.00% |
| Max | | 0.001 | 0.001 | 0.00 | 64.79% | 0.03% |
| Average | | 0.001 | 0.001 | 0.00 | 5.11% | 0.01% |
| Min | | 0.001 | 0.001 | 0.00 | -49.34% | 0.00% |
| Std Dev | | 0.000 | 0.000 | 0.00 | 29.34% | 0.01% |



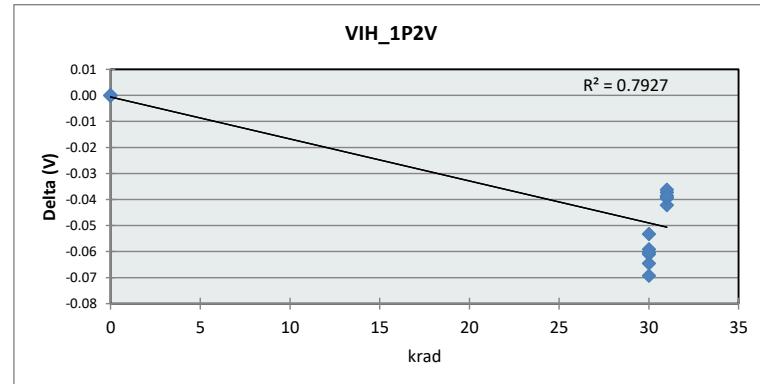
| III_L_5p5V | | | | | | |
|-------------|---------------|-------|-------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | μA | | | | | |
| Max Limit | 1 | | | | | |
| Min Limit | -1 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | -1.00 | -1.00 | -1.00 | | | |
| Min | 0.00 | 0.00 | 0.00 | | | |
| Average | 0.00 | 0.00 | 0.00 | | | |
| Max | 0.00 | 0.00 | 0.00 | | | |
| UL | 1.00 | 1.00 | 1.00 | | | |



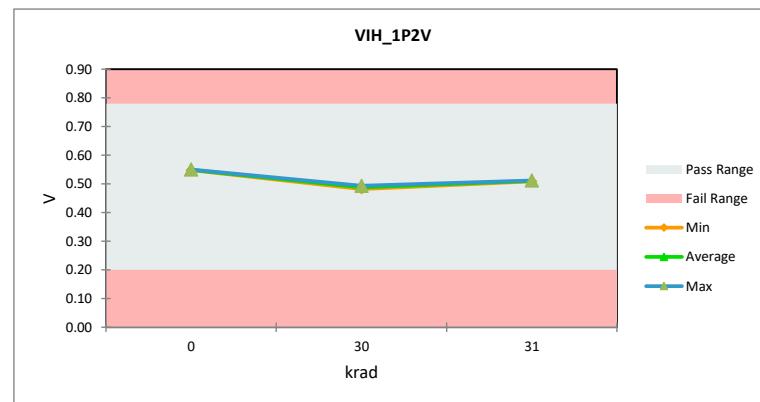
TID Report

SN54SC4T32-SEP

| VIH_1P2V | | | | | | |
|-------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.78 | | | | | |
| Min Limit | 0.2 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 0.550 | 0.550 | 0.00 | -0.01% | 0.01% |
| 0 | 2 | 0.548 | 0.548 | 0.00 | 0.00% | 0.00% |
| 0 | 3 | 0.549 | 0.549 | 0.00 | 0.00% | 0.00% |
| 0 | 4 | 0.549 | 0.549 | 0.00 | 0.00% | 0.00% |
| 30 | 5 | 0.549 | 0.484 | -0.06 | -11.75% | 11.12% |
| 30 | 6 | 0.551 | 0.482 | -0.07 | -12.57% | 11.94% |
| 30 | 7 | 0.550 | 0.489 | -0.06 | -11.09% | 10.51% |
| 30 | 8 | 0.549 | 0.490 | -0.06 | -10.77% | 10.19% |
| 30 | 9 | 0.547 | 0.493 | -0.05 | -9.74% | 9.18% |
| 30 | 10 | 0.549 | 0.488 | -0.06 | -10.98% | 10.39% |
| 31 | 11 | 0.549 | 0.510 | -0.04 | -7.12% | 6.74% |
| 31 | 12 | 0.551 | 0.509 | -0.04 | -7.65% | 7.27% |
| 31 | 13 | 0.550 | 0.510 | -0.04 | -7.19% | 6.81% |
| 31 | 14 | 0.549 | 0.512 | -0.04 | -6.79% | 6.43% |
| 31 | 15 | 0.547 | 0.510 | -0.04 | -6.63% | 6.25% |
| 31 | 16 | 0.549 | 0.510 | -0.04 | -7.02% | 6.64% |
| Max | | 0.551 | 0.550 | 0.00 | 0.00% | 11.94% |
| Average | | 0.549 | 0.511 | -0.04 | -6.83% | 6.47% |
| Min | | 0.547 | 0.482 | -0.06 | -12.57% | 0.00% |
| Std Dev | | 0.001 | 0.025 | 0.02 | 4.50% | 4.26% |



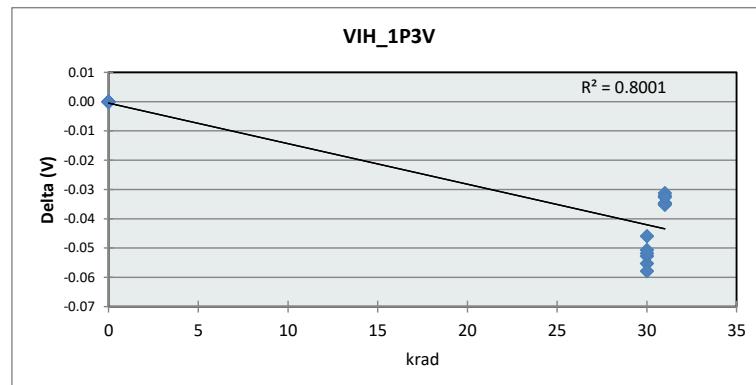
| VIH_1P2V | | | | | | |
|-------------|----------|------|------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.78 | | | | | |
| Min Limit | 0.2 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | 0.20 | 0.20 | 0.20 | | | |
| Min | 0.55 | 0.48 | 0.51 | | | |
| Average | 0.55 | 0.49 | 0.51 | | | |
| Max | 0.55 | 0.49 | 0.51 | | | |
| UL | 0.78 | 0.78 | 0.78 | | | |



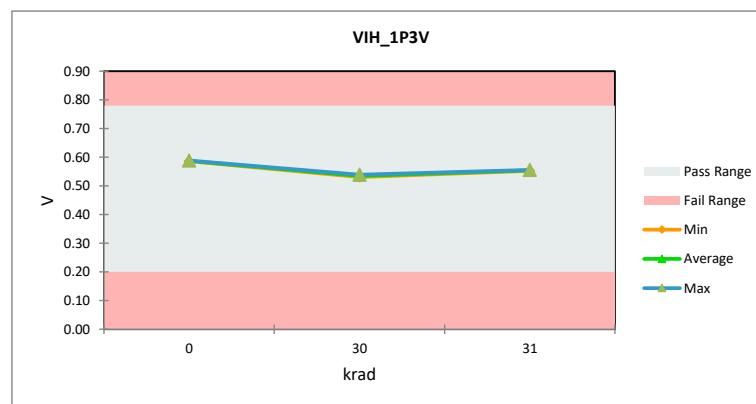
TID Report

SN54SC4T32-SEP

| VIH_1P3V | | | | | | |
|-------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.78 | | | | | |
| Min Limit | 0.2 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 0.588 | 0.588 | 0.00 | 0.00% | 0.00% |
| 0 | 2 | 0.586 | 0.586 | 0.00 | 0.00% | 0.00% |
| 0 | 3 | 0.586 | 0.586 | 0.00 | 0.00% | 0.00% |
| 0 | 4 | 0.588 | 0.588 | 0.00 | 0.00% | 0.00% |
| 30 | 5 | 0.587 | 0.532 | -0.06 | -9.41% | 9.53% |
| 30 | 6 | 0.588 | 0.531 | -0.06 | -9.83% | 9.97% |
| 30 | 7 | 0.588 | 0.535 | -0.05 | -8.97% | 9.09% |
| 30 | 8 | 0.587 | 0.537 | -0.05 | -8.62% | 8.73% |
| 30 | 9 | 0.585 | 0.539 | -0.05 | -7.85% | 7.92% |
| 30 | 10 | 0.586 | 0.534 | -0.05 | -8.84% | 8.94% |
| 31 | 11 | 0.587 | 0.553 | -0.03 | -5.91% | 5.98% |
| 31 | 12 | 0.588 | 0.553 | -0.04 | -5.99% | 6.07% |
| 31 | 13 | 0.588 | 0.554 | -0.03 | -5.89% | 5.97% |
| 31 | 14 | 0.587 | 0.555 | -0.03 | -5.48% | 5.55% |
| 31 | 15 | 0.585 | 0.554 | -0.03 | -5.34% | 5.38% |
| 31 | 16 | 0.586 | 0.554 | -0.03 | -5.56% | 5.62% |
| Max | | 0.588 | 0.588 | 0.00 | 0.00% | 9.97% |
| Average | | 0.587 | 0.555 | -0.03 | -5.48% | 5.55% |
| Min | | 0.585 | 0.531 | -0.05 | -9.83% | 0.00% |
| Std Dev | | 0.001 | 0.021 | 0.02 | 3.60% | 3.64% |



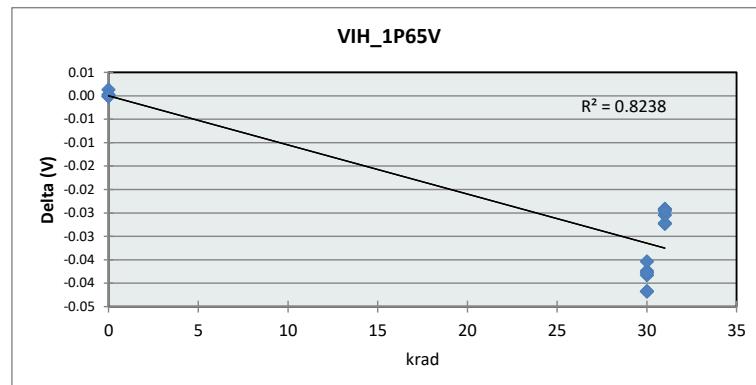
| VIH_1P3V | | | | | | |
|-------------|----------|------|------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.78 | | | | | |
| Min Limit | 0.2 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | 0.20 | 0.20 | 0.20 | | | |
| Min | 0.59 | 0.53 | 0.55 | | | |
| Average | 0.59 | 0.53 | 0.55 | | | |
| Max | 0.59 | 0.54 | 0.56 | | | |
| UL | 0.78 | 0.78 | 0.78 | | | |



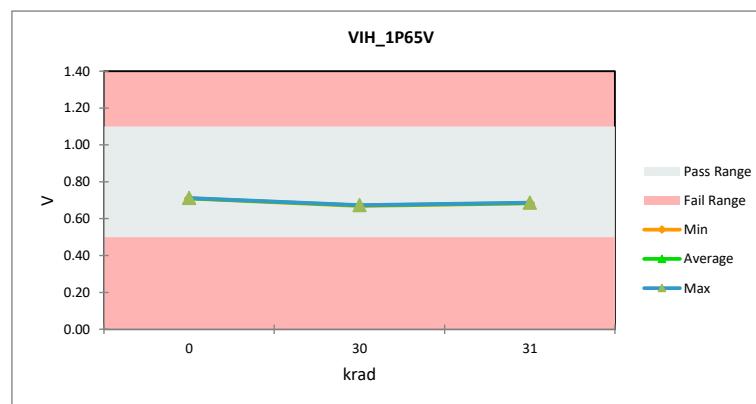
TID Report

SN54SC4T32-SEP

| VIH_1P65V | | | | | | |
|-------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 1.1 | | | | | |
| Min Limit | 0.5 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 0.711 | 0.712 | 0.00 | 0.18% | 0.22% |
| 0 | 2 | 0.710 | 0.710 | 0.00 | -0.01% | 0.02% |
| 0 | 3 | 0.709 | 0.710 | 0.00 | 0.04% | 0.04% |
| 0 | 4 | 0.709 | 0.709 | 0.00 | -0.01% | 0.01% |
| 30 | 5 | 0.710 | 0.669 | -0.04 | -5.88% | 6.96% |
| 30 | 6 | 0.712 | 0.670 | -0.04 | -5.86% | 6.95% |
| 30 | 7 | 0.711 | 0.673 | -0.04 | -5.39% | 6.38% |
| 30 | 8 | 0.711 | 0.673 | -0.04 | -5.26% | 6.23% |
| 30 | 9 | 0.709 | 0.673 | -0.04 | -4.99% | 5.89% |
| 30 | 10 | 0.710 | 0.672 | -0.04 | -5.32% | 6.30% |
| 31 | 11 | 0.710 | 0.683 | -0.03 | -3.85% | 4.55% |
| 31 | 12 | 0.712 | 0.684 | -0.03 | -3.82% | 4.53% |
| 31 | 13 | 0.711 | 0.685 | -0.03 | -3.58% | 4.24% |
| 31 | 14 | 0.711 | 0.687 | -0.02 | -3.40% | 4.02% |
| 31 | 15 | 0.709 | 0.684 | -0.02 | -3.42% | 4.04% |
| 31 | 16 | 0.710 | 0.685 | -0.02 | -3.46% | 4.09% |
| Max | | 0.712 | 0.712 | 0.00 | 0.18% | 6.96% |
| Average | | 0.710 | 0.686 | -0.02 | -3.38% | 4.03% |
| Min | | 0.709 | 0.669 | -0.04 | -5.88% | 0.01% |
| Std Dev | | 0.001 | 0.016 | 0.01 | 2.22% | 2.57% |



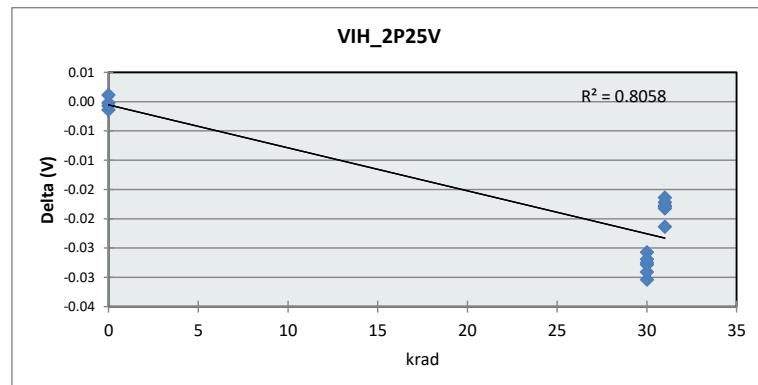
| VIH_1P65V | | | | | | |
|-------------|----------|------|------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 1.1 | | | | | |
| Min Limit | 0.5 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | 0.50 | 0.50 | 0.50 | | | |
| Min | 0.71 | 0.67 | 0.68 | | | |
| Average | 0.71 | 0.67 | 0.68 | | | |
| Max | 0.71 | 0.67 | 0.69 | | | |
| UL | 1.10 | 1.10 | 1.10 | | | |



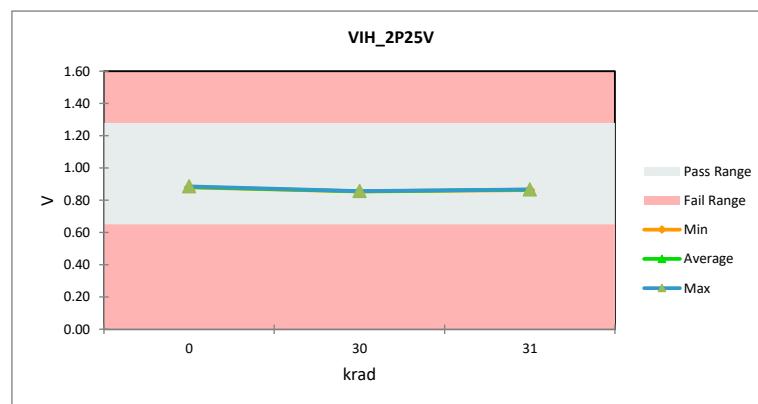
TID Report

SN54SC4T32-SEP

| VIH_2P25V | | | | | | |
|-----------|-----------|------------|-------------|----------|-------------|------------------|
| | Test Site | CLAB | Tester | ETS88-01 | Test Number | EQ774601 |
| | Units | V | | | | |
| | Max Limit | 1.28 | | | | |
| | Min Limit | 0.65 | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 0.885 | 0.886 | 0.00 | 0.13% | 0.18% |
| 0 | 2 | 0.883 | 0.882 | 0.00 | -0.02% | 0.03% |
| 0 | 3 | 0.881 | 0.880 | 0.00 | -0.16% | 0.22% |
| 0 | 4 | 0.880 | 0.880 | 0.00 | -0.08% | 0.11% |
| 30 | 5 | 0.884 | 0.854 | -0.03 | -3.44% | 4.82% |
| 30 | 6 | 0.882 | 0.854 | -0.03 | -3.15% | 4.41% |
| 30 | 7 | 0.883 | 0.854 | -0.03 | -3.29% | 4.61% |
| 30 | 8 | 0.884 | 0.857 | -0.03 | -3.11% | 4.36% |
| 30 | 9 | 0.882 | 0.856 | -0.03 | -2.92% | 4.08% |
| 30 | 10 | 0.882 | 0.856 | -0.03 | -3.05% | 4.27% |
| 31 | 11 | 0.884 | 0.863 | -0.02 | -2.41% | 3.39% |
| 31 | 12 | 0.882 | 0.864 | -0.02 | -2.06% | 2.89% |
| 31 | 13 | 0.883 | 0.866 | -0.02 | -2.01% | 2.82% |
| 31 | 14 | 0.884 | 0.866 | -0.02 | -2.03% | 2.85% |
| 31 | 15 | 0.882 | 0.865 | -0.02 | -1.86% | 2.60% |
| 31 | 16 | 0.882 | 0.865 | -0.02 | -1.95% | 2.73% |
| Max | | 0.885 | 0.886 | 0.00 | 0.13% | 4.82% |
| Average | | 0.883 | 0.865 | -0.02 | -1.96% | 2.77% |
| Min | | 0.880 | 0.854 | -0.03 | -3.44% | 0.03% |
| Std Dev | | 0.001 | 0.011 | 0.01 | 1.26% | 1.73% |



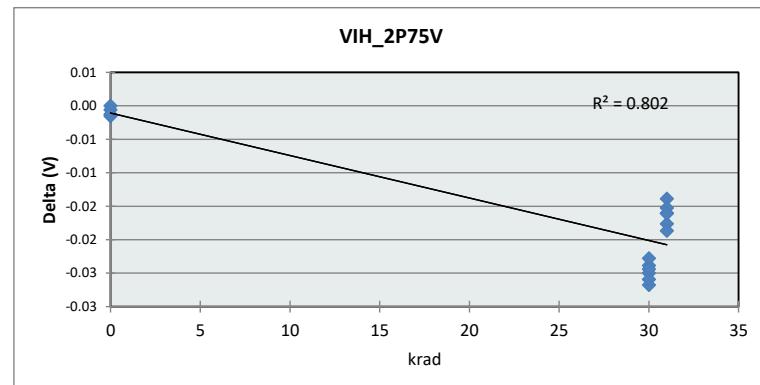
| VIH_2P25V | | | | | | |
|-----------|-----------|------|--------|----------|-------------|----------|
| | Test Site | CLAB | Tester | ETS88-01 | Test Number | EQ774601 |
| | Units | V | | | | |
| | Max Limit | 1.28 | | | | |
| | Min Limit | 0.65 | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | 0.65 | 0.65 | 0.65 | | | |
| Min | 0.88 | 0.85 | 0.86 | | | |
| Average | 0.88 | 0.86 | 0.86 | | | |
| Max | 0.89 | 0.86 | 0.87 | | | |
| UL | 1.28 | 1.28 | 1.28 | | | |



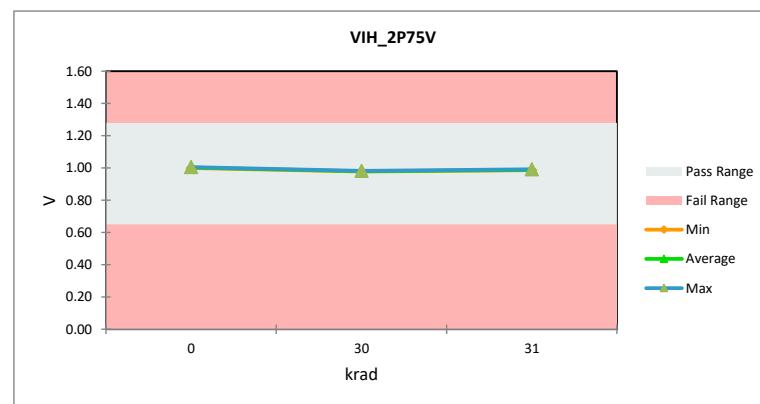
TID Report

SN54SC4T32-SEP

| VIH_2P75V | | | | | | |
|-------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 1.28 | | | | | |
| Min Limit | 0.65 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 1.005 | 1.005 | 0.00 | 0.00% | 0.00% |
| 0 | 2 | 1.004 | 1.004 | 0.00 | -0.06% | 0.10% |
| 0 | 3 | 1.003 | 1.001 | 0.00 | -0.15% | 0.24% |
| 0 | 4 | 1.001 | 0.999 | 0.00 | -0.13% | 0.20% |
| 30 | 5 | 1.004 | 0.978 | -0.03 | -2.66% | 4.25% |
| 30 | 6 | 1.004 | 0.979 | -0.02 | -2.49% | 3.96% |
| 30 | 7 | 1.005 | 0.980 | -0.03 | -2.58% | 4.11% |
| 30 | 8 | 1.006 | 0.982 | -0.02 | -2.37% | 3.78% |
| 30 | 9 | 1.003 | 0.980 | -0.02 | -2.27% | 3.62% |
| 30 | 10 | 1.003 | 0.979 | -0.02 | -2.43% | 3.87% |
| 31 | 11 | 1.004 | 0.987 | -0.02 | -1.75% | 2.80% |
| 31 | 12 | 1.004 | 0.988 | -0.02 | -1.59% | 2.54% |
| 31 | 13 | 1.005 | 0.987 | -0.02 | -1.86% | 2.96% |
| 31 | 14 | 1.006 | 0.992 | -0.01 | -1.38% | 2.20% |
| 31 | 15 | 1.003 | 0.987 | -0.02 | -1.52% | 2.42% |
| 31 | 16 | 1.003 | 0.987 | -0.02 | -1.60% | 2.55% |
| Max | | 1.006 | 1.005 | 0.00 | 0.00% | 4.25% |
| Average | | 1.004 | 0.988 | -0.02 | -1.55% | 2.48% |
| Min | | 1.001 | 0.978 | -0.02 | -2.66% | 0.00% |
| Std Dev | | 0.001 | 0.009 | 0.01 | 0.96% | 1.54% |



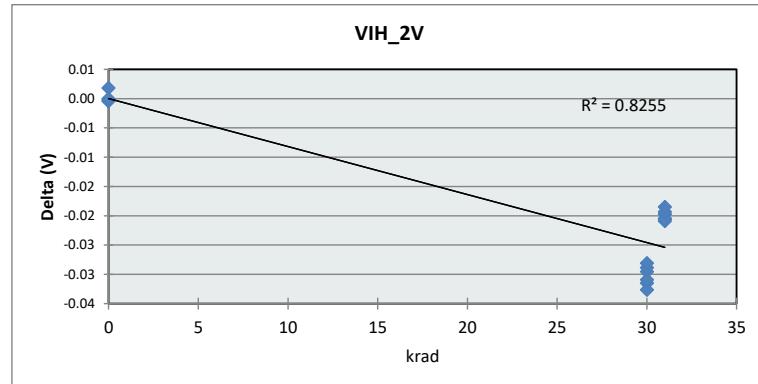
| VIH_2P75V | | | | | | |
|-------------|----------|------|------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 1.28 | | | | | |
| Min Limit | 0.65 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | 0.65 | 0.65 | 0.65 | | | |
| Min | 1.00 | 0.98 | 0.99 | | | |
| Average | 1.00 | 0.98 | 0.99 | | | |
| Max | 1.01 | 0.98 | 0.99 | | | |
| UL | 1.28 | 1.28 | 1.28 | | | |



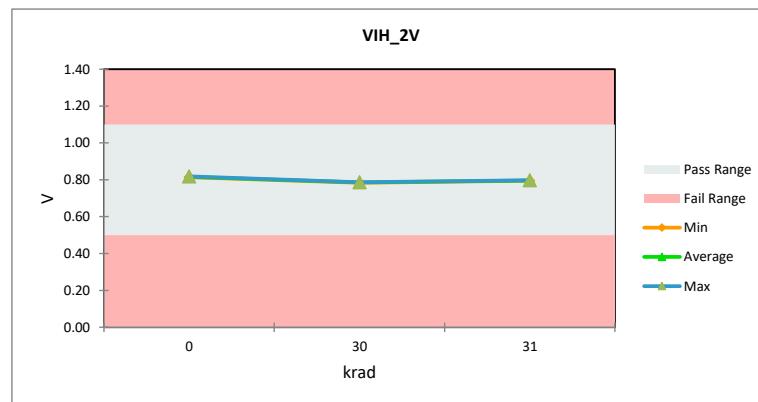
TID Report

SN54SC4T32-SEP

| VIH_2V | | | | | | |
|-------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 1.1 | | | | | |
| Min Limit | 0.5 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 0.817 | 0.819 | 0.00 | 0.23% | 0.31% |
| 0 | 2 | 0.817 | 0.816 | 0.00 | -0.05% | 0.07% |
| 0 | 3 | 0.815 | 0.815 | 0.00 | -0.03% | 0.04% |
| 0 | 4 | 0.814 | 0.814 | 0.00 | 0.00% | 0.00% |
| 30 | 5 | 0.815 | 0.784 | -0.03 | -3.86% | 5.24% |
| 30 | 6 | 0.816 | 0.784 | -0.03 | -3.99% | 5.44% |
| 30 | 7 | 0.816 | 0.786 | -0.03 | -3.62% | 4.92% |
| 30 | 8 | 0.818 | 0.787 | -0.03 | -3.78% | 5.16% |
| 30 | 9 | 0.815 | 0.786 | -0.03 | -3.54% | 4.81% |
| 30 | 10 | 0.814 | 0.786 | -0.03 | -3.45% | 4.68% |
| 31 | 11 | 0.815 | 0.795 | -0.02 | -2.51% | 3.41% |
| 31 | 12 | 0.816 | 0.796 | -0.02 | -2.56% | 3.48% |
| 31 | 13 | 0.816 | 0.796 | -0.02 | -2.42% | 3.28% |
| 31 | 14 | 0.818 | 0.797 | -0.02 | -2.52% | 3.43% |
| 31 | 15 | 0.815 | 0.796 | -0.02 | -2.37% | 3.22% |
| 31 | 16 | 0.814 | 0.796 | -0.02 | -2.27% | 3.08% |
| Max | | 0.818 | 0.819 | 0.00 | 0.23% | 5.44% |
| Average | | 0.816 | 0.797 | -0.02 | -2.30% | 3.16% |
| Min | | 0.814 | 0.784 | -0.03 | -3.99% | 0.00% |
| Std Dev | | 0.001 | 0.012 | 0.01 | 1.51% | 1.99% |



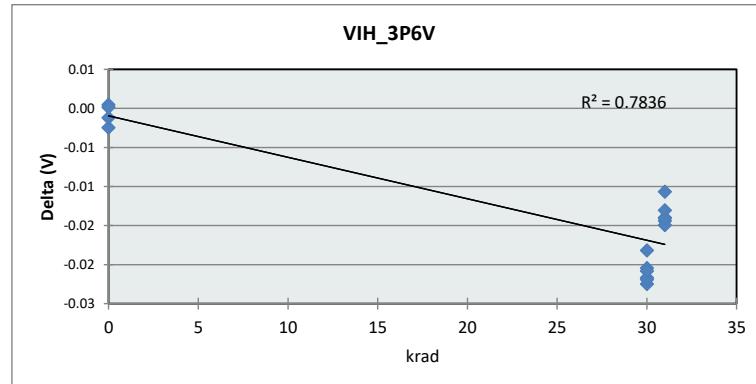
| VIH_2V | | | | | | |
|-------------|----------|------|------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 1.1 | | | | | |
| Min Limit | 0.5 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | 0.50 | 0.50 | 0.50 | | | |
| Min | 0.81 | 0.78 | 0.79 | | | |
| Average | 0.82 | 0.79 | 0.80 | | | |
| Max | 0.82 | 0.79 | 0.80 | | | |
| UL | 1.10 | 1.10 | 1.10 | | | |



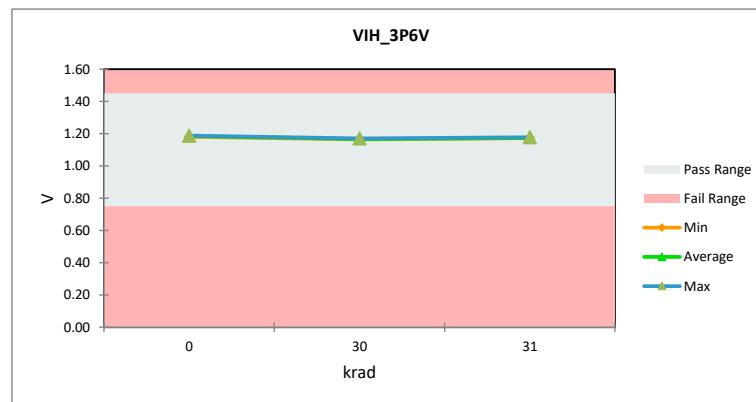
TID Report

SN54SC4T32-SEP

| VIH_3P6V | | | | | | |
|-------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 1.45 | | | | | |
| Min Limit | 0.75 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 1.188 | 1.188 | 0.00 | 0.04% | 0.07% |
| 0 | 2 | 1.188 | 1.188 | 0.00 | 0.01% | 0.02% |
| 0 | 3 | 1.187 | 1.185 | 0.00 | -0.21% | 0.35% |
| 0 | 4 | 1.182 | 1.181 | 0.00 | -0.10% | 0.17% |
| 30 | 5 | 1.187 | 1.165 | -0.02 | -1.89% | 3.21% |
| 30 | 6 | 1.186 | 1.165 | -0.02 | -1.83% | 3.10% |
| 30 | 7 | 1.187 | 1.166 | -0.02 | -1.85% | 3.13% |
| 30 | 8 | 1.189 | 1.171 | -0.02 | -1.53% | 2.60% |
| 30 | 9 | 1.188 | 1.167 | -0.02 | -1.72% | 2.92% |
| 30 | 10 | 1.186 | 1.165 | -0.02 | -1.76% | 2.97% |
| 31 | 11 | 1.187 | 1.173 | -0.01 | -1.21% | 2.06% |
| 31 | 12 | 1.186 | 1.172 | -0.01 | -1.18% | 2.00% |
| 31 | 13 | 1.187 | 1.173 | -0.01 | -1.26% | 2.14% |
| 31 | 14 | 1.189 | 1.178 | -0.01 | -0.90% | 1.52% |
| 31 | 15 | 1.188 | 1.174 | -0.01 | -1.18% | 2.01% |
| 31 | 16 | 1.186 | 1.173 | -0.01 | -1.10% | 1.87% |
| Max | | 1.189 | 1.188 | 0.00 | 0.04% | 3.21% |
| Average | | 1.187 | 1.174 | -0.01 | -1.10% | 1.88% |
| Min | | 1.182 | 1.165 | -0.02 | -1.89% | 0.02% |
| Std Dev | | 0.002 | 0.008 | 0.01 | 0.69% | 1.15% |



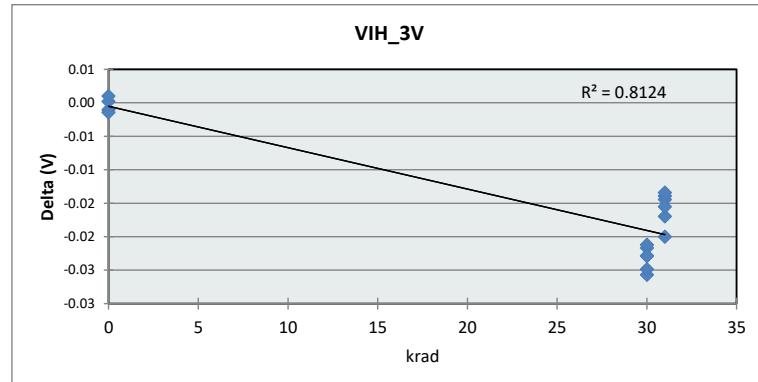
| VIH_3P6V | | | | | | |
|-------------|----------|------|------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 1.45 | | | | | |
| Min Limit | 0.75 | | | | | |
| Max | 0 | 30 | 31 | | | |
| LL | 0.75 | 0.75 | 0.75 | | | |
| Min | 1.18 | 1.16 | 1.17 | | | |
| Average | 1.19 | 1.17 | 1.17 | | | |
| Max | 1.19 | 1.17 | 1.18 | | | |
| UL | 1.45 | 1.45 | 1.45 | | | |



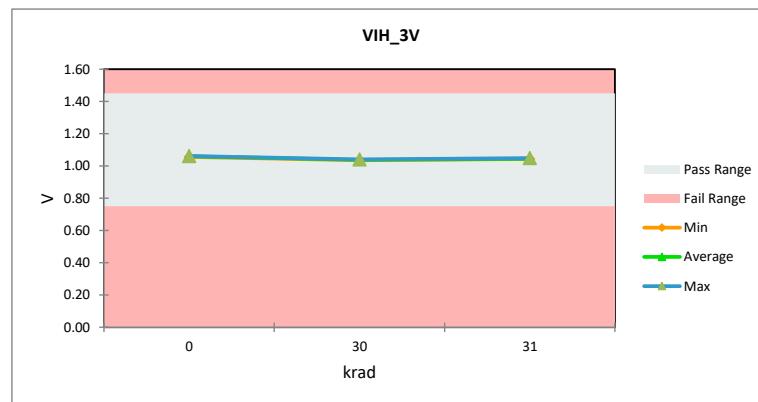
TID Report

SN54SC4T32-SEP

| VIH_3V | | | | | | |
|-------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 1.45 | | | | | |
| Min Limit | 0.75 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 1.063 | 1.062 | 0.00 | -0.10% | 0.15% |
| 0 | 2 | 1.061 | 1.062 | 0.00 | 0.02% | 0.03% |
| 0 | 3 | 1.059 | 1.060 | 0.00 | 0.10% | 0.14% |
| 0 | 4 | 1.057 | 1.056 | 0.00 | -0.14% | 0.20% |
| 30 | 5 | 1.061 | 1.035 | -0.03 | -2.42% | 3.67% |
| 30 | 6 | 1.063 | 1.038 | -0.02 | -2.34% | 3.55% |
| 30 | 7 | 1.061 | 1.038 | -0.02 | -2.15% | 3.26% |
| 30 | 8 | 1.062 | 1.041 | -0.02 | -2.04% | 3.09% |
| 30 | 9 | 1.059 | 1.038 | -0.02 | -2.00% | 3.03% |
| 30 | 10 | 1.059 | 1.037 | -0.02 | -2.16% | 3.27% |
| 31 | 11 | 1.061 | 1.044 | -0.02 | -1.60% | 2.42% |
| 31 | 12 | 1.063 | 1.043 | -0.02 | -1.88% | 2.86% |
| 31 | 13 | 1.061 | 1.046 | -0.01 | -1.36% | 2.06% |
| 31 | 14 | 1.062 | 1.048 | -0.01 | -1.31% | 1.99% |
| 31 | 15 | 1.059 | 1.046 | -0.01 | -1.26% | 1.91% |
| 31 | 16 | 1.059 | 1.044 | -0.02 | -1.46% | 2.21% |
| Max | | 1.063 | 1.062 | 0.00 | 0.10% | 3.67% |
| Average | | 1.061 | 1.046 | -0.01 | -1.38% | 2.12% |
| Min | | 1.057 | 1.035 | -0.02 | -2.42% | 0.03% |
| Std Dev | | 0.002 | 0.009 | 0.01 | 0.88% | 1.30% |



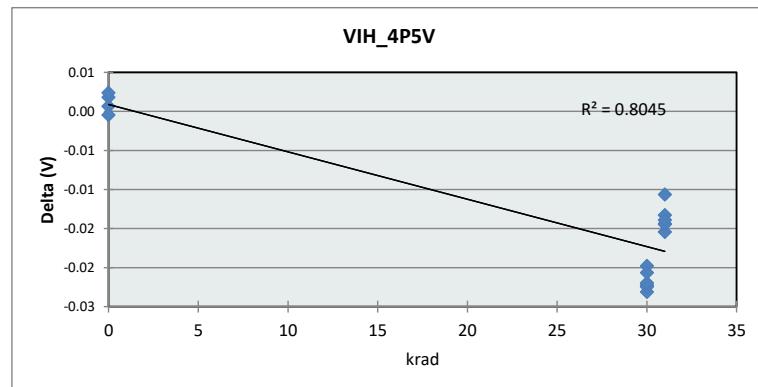
| VIH_3V | | | | | | |
|-------------|----------|------|------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 1.45 | | | | | |
| Min Limit | 0.75 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | 0.75 | 0.75 | 0.75 | | | |
| Min | 1.06 | 1.04 | 1.04 | | | |
| Average | 1.06 | 1.04 | 1.05 | | | |
| Max | 1.06 | 1.04 | 1.05 | | | |
| UL | 1.45 | 1.45 | 1.45 | | | |



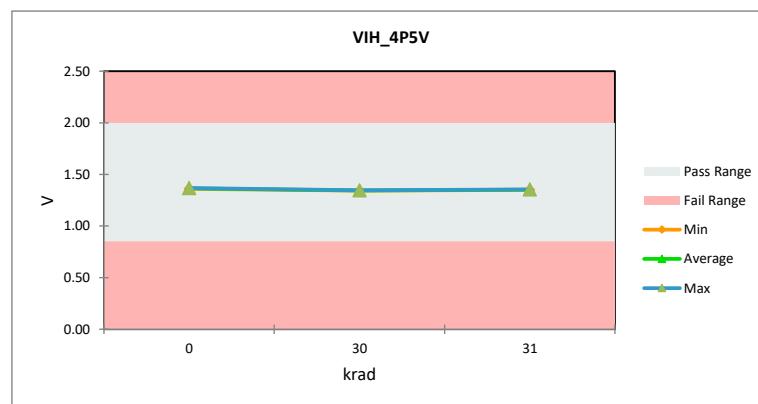
TID Report

SN54SC4T32-SEP

| VIH_4P5V | | | | | | |
|-------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 2 | | | | | |
| Min Limit | 0.85 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 1.366 | 1.368 | 0.00 | 0.13% | 0.16% |
| 0 | 2 | 1.367 | 1.367 | 0.00 | 0.05% | 0.06% |
| 0 | 3 | 1.365 | 1.364 | 0.00 | -0.03% | 0.04% |
| 0 | 4 | 1.358 | 1.360 | 0.00 | 0.18% | 0.21% |
| 30 | 5 | 1.367 | 1.344 | -0.02 | -1.69% | 2.01% |
| 30 | 6 | 1.366 | 1.344 | -0.02 | -1.63% | 1.93% |
| 30 | 7 | 1.365 | 1.343 | -0.02 | -1.65% | 1.95% |
| 30 | 8 | 1.368 | 1.346 | -0.02 | -1.61% | 1.91% |
| 30 | 9 | 1.363 | 1.343 | -0.02 | -1.45% | 1.72% |
| 30 | 10 | 1.364 | 1.343 | -0.02 | -1.51% | 1.79% |
| 31 | 11 | 1.367 | 1.353 | -0.01 | -1.05% | 1.25% |
| 31 | 12 | 1.366 | 1.351 | -0.02 | -1.13% | 1.34% |
| 31 | 13 | 1.365 | 1.351 | -0.01 | -1.06% | 1.26% |
| 31 | 14 | 1.368 | 1.355 | -0.01 | -0.97% | 1.15% |
| 31 | 15 | 1.363 | 1.352 | -0.01 | -0.78% | 0.92% |
| 31 | 16 | 1.364 | 1.350 | -0.01 | -1.02% | 1.21% |
| Max | | 1.368 | 1.368 | 0.00 | 0.18% | 2.01% |
| Average | | 1.365 | 1.352 | -0.01 | -0.95% | 1.18% |
| Min | | 1.358 | 1.343 | -0.01 | -1.69% | 0.04% |
| Std Dev | | 0.003 | 0.009 | 0.01 | 0.68% | 0.72% |



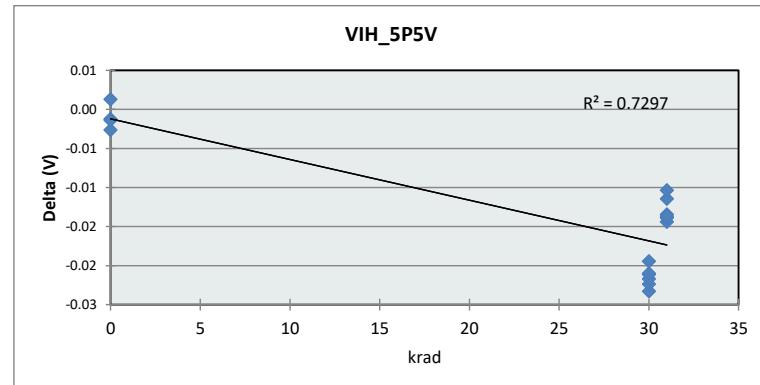
| VIH_4P5V | | | | | | |
|-------------|----------|------|------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 2 | | | | | |
| Min Limit | 0.85 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | 0.85 | 0.85 | 0.85 | | | |
| Min | 1.36 | 1.34 | 1.35 | | | |
| Average | 1.36 | 1.34 | 1.35 | | | |
| Max | 1.37 | 1.35 | 1.36 | | | |
| UL | 2.00 | 2.00 | 2.00 | | | |



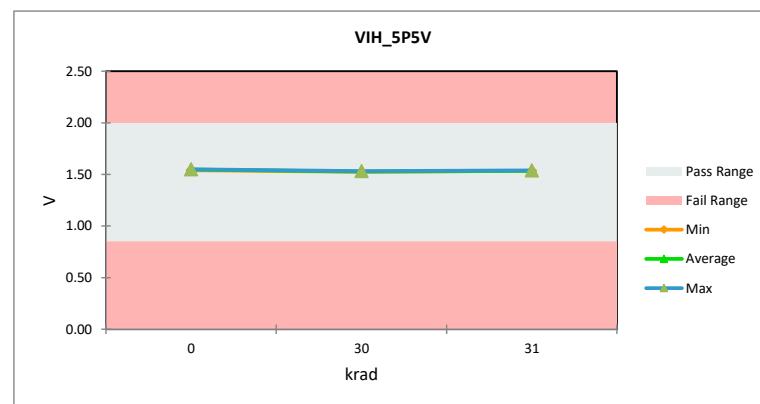
TID Report

SN54SC4T32-SEP

| VIH_5P5V | | | | | | |
|-------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 2 | | | | | |
| Min Limit | 0.85 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 1.548 | 1.550 | 0.00 | 0.08% | 0.11% |
| 0 | 2 | 1.550 | 1.549 | 0.00 | -0.08% | 0.11% |
| 0 | 3 | 1.551 | 1.548 | 0.00 | -0.17% | 0.23% |
| 0 | 4 | 1.542 | 1.540 | 0.00 | -0.09% | 0.12% |
| 30 | 5 | 1.551 | 1.528 | -0.02 | -1.50% | 2.02% |
| 30 | 6 | 1.548 | 1.527 | -0.02 | -1.36% | 1.84% |
| 30 | 7 | 1.548 | 1.526 | -0.02 | -1.45% | 1.95% |
| 30 | 8 | 1.554 | 1.532 | -0.02 | -1.40% | 1.89% |
| 30 | 9 | 1.547 | 1.526 | -0.02 | -1.36% | 1.83% |
| 30 | 10 | 1.544 | 1.525 | -0.02 | -1.26% | 1.69% |
| 31 | 11 | 1.551 | 1.536 | -0.01 | -0.93% | 1.25% |
| 31 | 12 | 1.548 | 1.534 | -0.01 | -0.90% | 1.21% |
| 31 | 13 | 1.548 | 1.535 | -0.01 | -0.87% | 1.17% |
| 31 | 14 | 1.554 | 1.540 | -0.01 | -0.88% | 1.19% |
| 31 | 15 | 1.547 | 1.535 | -0.01 | -0.74% | 0.99% |
| 31 | 16 | 1.544 | 1.534 | -0.01 | -0.67% | 0.90% |
| Max | | 1.554 | 1.550 | 0.00 | 0.08% | 2.02% |
| Average | | 1.548 | 1.535 | -0.01 | -0.85% | 1.16% |
| Min | | 1.542 | 1.525 | -0.02 | -1.50% | 0.11% |
| Std Dev | | 0.003 | 0.008 | 0.01 | 0.54% | 0.70% |



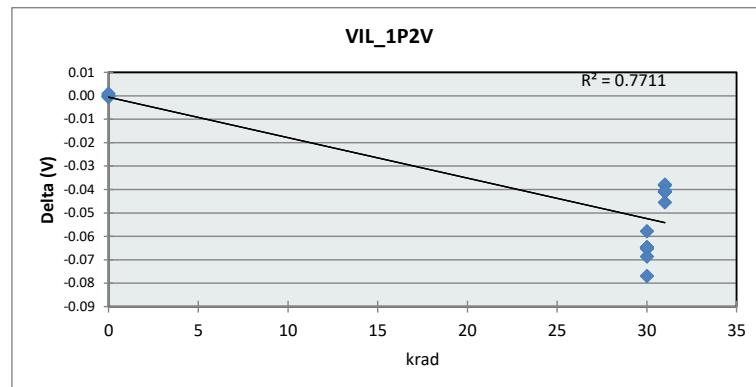
| VIH_5P5V | | | | | | |
|-------------|----------|------|------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 2 | | | | | |
| Min Limit | 0.85 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | 0.85 | 0.85 | 0.85 | | | |
| Min | 1.54 | 1.52 | 1.53 | | | |
| Average | 1.55 | 1.53 | 1.54 | | | |
| Max | 1.55 | 1.53 | 1.54 | | | |
| UL | 2.00 | 2.00 | 2.00 | | | |



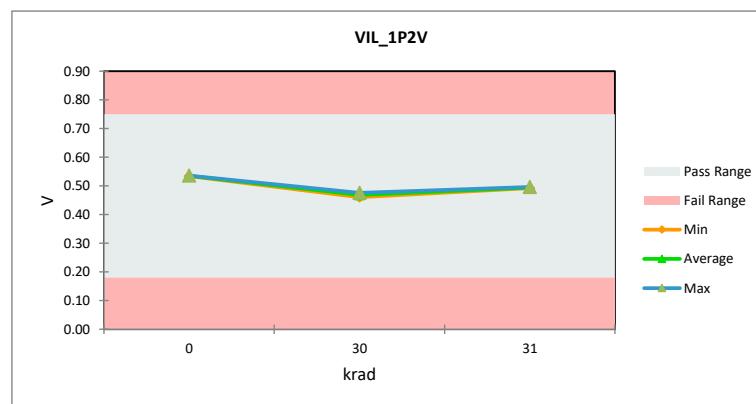
TID Report

SN54SC4T32-SEP

| VIL_1P2V | | | | | | |
|-------------|----------|------------|-------------|---------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.75 | | | | | |
| Min Limit | 0.18 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 0.536 | 0.536 | 0.00 | -0.10% | 0.10% |
| 0 | 2 | 0.535 | 0.535 | 0.00 | 0.00% | 0.00% |
| 0 | 3 | 0.534 | 0.534 | 0.00 | -0.01% | 0.01% |
| 0 | 4 | 0.535 | 0.536 | 0.00 | 0.17% | 0.16% |
| 30 | 5 | 0.534 | 0.466 | -0.07 | -12.84% | 12.03% |
| 30 | 6 | 0.537 | 0.460 | -0.08 | -14.31% | 13.49% |
| 30 | 7 | 0.534 | 0.469 | -0.07 | -12.21% | 11.44% |
| 30 | 8 | 0.534 | 0.470 | -0.06 | -12.11% | 11.34% |
| 30 | 9 | 0.533 | 0.476 | -0.06 | -10.83% | 10.14% |
| 30 | 10 | 0.535 | 0.470 | -0.06 | -12.09% | 11.34% |
| 31 | 11 | 0.534 | 0.493 | -0.04 | -7.68% | 7.20% |
| 31 | 12 | 0.537 | 0.492 | -0.05 | -8.46% | 7.98% |
| 31 | 13 | 0.534 | 0.493 | -0.04 | -7.68% | 7.19% |
| 31 | 14 | 0.534 | 0.496 | -0.04 | -7.16% | 6.71% |
| 31 | 15 | 0.533 | 0.496 | -0.04 | -7.10% | 6.64% |
| 31 | 16 | 0.535 | 0.494 | -0.04 | -7.61% | 7.13% |
| Max | 0.537 | 0.536 | 0.00 | 0.17% | 13.49% | |
| Average | 0.535 | 0.495 | -0.04 | -7.50% | 7.06% | |
| Min | 0.533 | 0.460 | -0.07 | -14.31% | 0.00% | |
| Std Dev | 0.001 | 0.027 | 0.03 | 5.02% | 4.68% | |



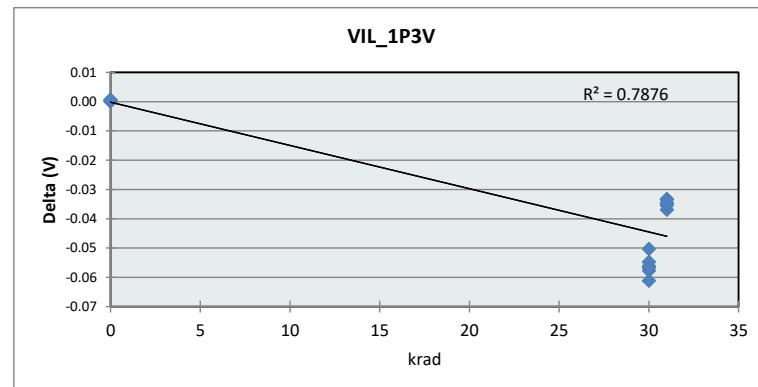
| VIL_1P2V | | | | | | |
|-------------|----------|------|------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.75 | | | | | |
| Min Limit | 0.18 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | 0.18 | 0.18 | 0.18 | | | |
| Min | 0.53 | 0.46 | 0.49 | | | |
| Average | 0.54 | 0.47 | 0.49 | | | |
| Max | 0.54 | 0.48 | 0.50 | | | |
| UL | 0.75 | 0.75 | 0.75 | | | |



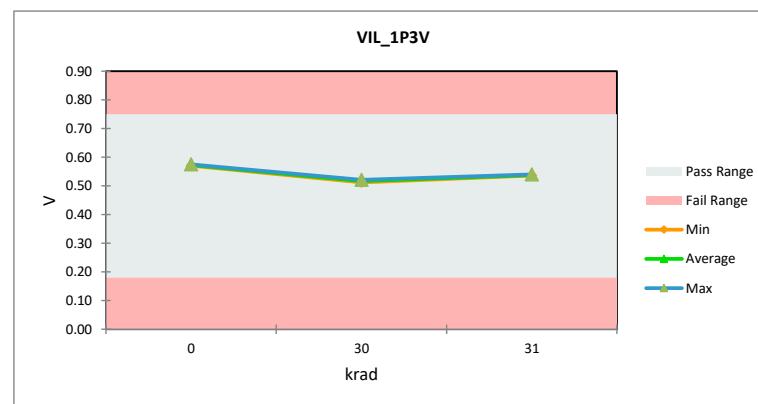
TID Report

SN54SC4T32-SEP

| VIL_1P3V | | | | | | |
|-------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.75 | | | | | |
| Min Limit | 0.18 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 0.575 | 0.575 | 0.00 | 0.06% | 0.06% |
| 0 | 2 | 0.570 | 0.570 | 0.00 | 0.01% | 0.01% |
| 0 | 3 | 0.572 | 0.573 | 0.00 | 0.11% | 0.11% |
| 0 | 4 | 0.572 | 0.572 | 0.00 | 0.09% | 0.09% |
| 30 | 5 | 0.572 | 0.515 | -0.06 | -10.08% | 10.12% |
| 30 | 6 | 0.573 | 0.512 | -0.06 | -10.67% | 10.73% |
| 30 | 7 | 0.573 | 0.517 | -0.06 | -9.80% | 9.85% |
| 30 | 8 | 0.573 | 0.519 | -0.05 | -9.55% | 9.60% |
| 30 | 9 | 0.571 | 0.521 | -0.05 | -8.80% | 8.82% |
| 30 | 10 | 0.573 | 0.516 | -0.06 | -9.91% | 9.95% |
| 31 | 11 | 0.572 | 0.538 | -0.03 | -6.03% | 6.06% |
| 31 | 12 | 0.573 | 0.536 | -0.04 | -6.44% | 6.48% |
| 31 | 13 | 0.573 | 0.538 | -0.04 | -6.18% | 6.22% |
| 31 | 14 | 0.573 | 0.540 | -0.03 | -5.80% | 5.83% |
| 31 | 15 | 0.571 | 0.538 | -0.03 | -5.85% | 5.86% |
| 31 | 16 | 0.573 | 0.538 | -0.03 | -6.09% | 6.12% |
| Max | | 0.575 | 0.575 | 0.00 | 0.11% | 10.73% |
| Average | | 0.573 | 0.539 | -0.03 | -5.93% | 5.99% |
| Min | | 0.570 | 0.512 | -0.06 | -10.67% | 0.01% |
| Std Dev | | 0.001 | 0.023 | 0.02 | 3.97% | 3.93% |



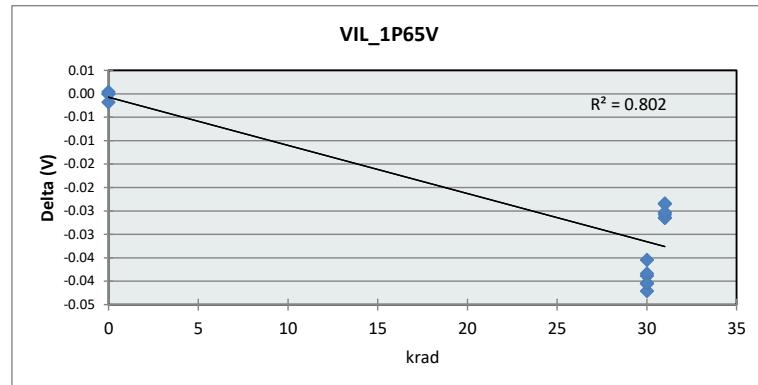
| VIL_1P3V | | | | | | |
|-------------|----------|------|------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.75 | | | | | |
| Min Limit | 0.18 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | 0.18 | 0.18 | 0.18 | | | |
| Min | 0.57 | 0.51 | 0.54 | | | |
| Average | 0.57 | 0.52 | 0.54 | | | |
| Max | 0.57 | 0.52 | 0.54 | | | |
| UL | 0.75 | 0.75 | 0.75 | | | |



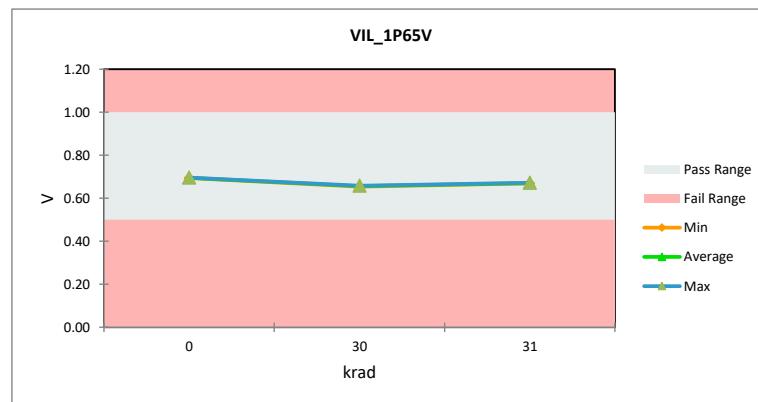
TID Report

SN54SC4T32-SEP

| VIL_1P65V | | | | | | |
|-------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 1 | | | | | |
| Min Limit | 0.5 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 0.698 | 0.696 | 0.00 | -0.26% | 0.36% |
| 0 | 2 | 0.695 | 0.695 | 0.00 | 0.06% | 0.08% |
| 0 | 3 | 0.695 | 0.695 | 0.00 | 0.00% | 0.00% |
| 0 | 4 | 0.694 | 0.694 | 0.00 | 0.00% | 0.00% |
| 30 | 5 | 0.695 | 0.655 | -0.04 | -5.83% | 8.10% |
| 30 | 6 | 0.696 | 0.654 | -0.04 | -6.05% | 8.42% |
| 30 | 7 | 0.696 | 0.657 | -0.04 | -5.58% | 7.77% |
| 30 | 8 | 0.696 | 0.657 | -0.04 | -5.51% | 7.67% |
| 30 | 9 | 0.694 | 0.658 | -0.04 | -5.11% | 7.09% |
| 30 | 10 | 0.696 | 0.655 | -0.04 | -5.81% | 8.08% |
| 31 | 11 | 0.695 | 0.669 | -0.03 | -3.80% | 5.29% |
| 31 | 12 | 0.696 | 0.669 | -0.03 | -3.80% | 5.29% |
| 31 | 13 | 0.696 | 0.670 | -0.03 | -3.70% | 5.15% |
| 31 | 14 | 0.696 | 0.672 | -0.02 | -3.37% | 4.69% |
| 31 | 15 | 0.694 | 0.670 | -0.02 | -3.38% | 4.69% |
| 31 | 16 | 0.696 | 0.670 | -0.03 | -3.64% | 5.06% |
| Max | | 0.698 | 0.696 | 0.00 | 0.06% | 8.42% |
| Average | | 0.695 | 0.671 | -0.02 | -3.49% | 4.86% |
| Min | | 0.694 | 0.654 | -0.04 | -6.05% | 0.00% |
| Std Dev | | 0.001 | 0.016 | 0.01 | 2.25% | 3.12% |



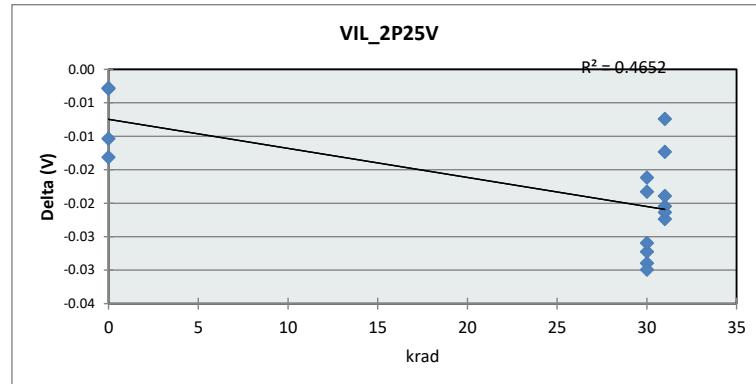
| VIL_1P65V | | | | | | |
|-------------|----------|------|------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 1 | | | | | |
| Min Limit | 0.5 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | 0.50 | 0.50 | 0.50 | | | |
| Min | 0.69 | 0.65 | 0.67 | | | |
| Average | 0.69 | 0.66 | 0.67 | | | |
| Max | 0.70 | 0.66 | 0.67 | | | |
| UL | 1.00 | 1.00 | 1.00 | | | |



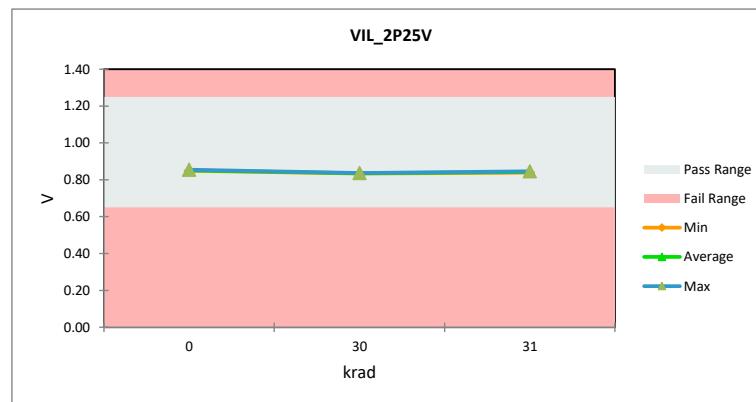
TID Report

SN54SC4T32-SEP

| VIL_2P25V | | | | | | |
|-------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 1.25 | | | | | |
| Min Limit | 0.65 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 0.864 | 0.851 | -0.01 | -1.52% | 2.18% |
| 0 | 2 | 0.857 | 0.855 | 0.00 | -0.33% | 0.46% |
| 0 | 3 | 0.852 | 0.849 | 0.00 | -0.34% | 0.48% |
| 0 | 4 | 0.860 | 0.850 | -0.01 | -1.20% | 1.72% |
| 30 | 5 | 0.863 | 0.834 | -0.03 | -3.35% | 4.82% |
| 30 | 6 | 0.851 | 0.835 | -0.02 | -1.90% | 2.69% |
| 30 | 7 | 0.865 | 0.835 | -0.03 | -3.46% | 4.98% |
| 30 | 8 | 0.853 | 0.835 | -0.02 | -2.14% | 3.05% |
| 30 | 9 | 0.863 | 0.836 | -0.03 | -3.16% | 4.54% |
| 30 | 10 | 0.863 | 0.837 | -0.03 | -3.01% | 4.32% |
| 31 | 11 | 0.863 | 0.844 | -0.02 | -2.19% | 3.15% |
| 31 | 12 | 0.851 | 0.839 | -0.01 | -1.45% | 2.05% |
| 31 | 13 | 0.865 | 0.842 | -0.02 | -2.58% | 3.72% |
| 31 | 14 | 0.853 | 0.846 | -0.01 | -0.87% | 1.23% |
| 31 | 15 | 0.863 | 0.843 | -0.02 | -2.37% | 3.41% |
| 31 | 16 | 0.863 | 0.841 | -0.02 | -2.48% | 3.56% |
| Max | | 0.865 | 0.855 | -0.01 | -0.33% | 4.98% |
| Average | | 0.859 | 0.842 | -0.02 | -2.02% | 2.90% |
| Min | | 0.851 | 0.834 | -0.02 | -3.46% | 0.46% |
| Std Dev | | 0.005 | 0.007 | 0.00 | 1.00% | 1.45% |



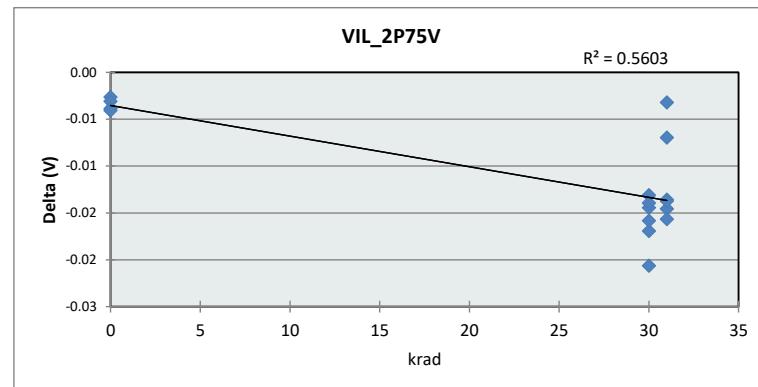
| VIL_2P25V | | | | | | |
|-------------|----------|------|------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 1.25 | | | | | |
| Min Limit | 0.65 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | 0.65 | 0.65 | 0.65 | | | |
| Min | 0.85 | 0.83 | 0.84 | | | |
| Average | 0.85 | 0.84 | 0.84 | | | |
| Max | 0.85 | 0.84 | 0.85 | | | |
| UL | 1.25 | 1.25 | 1.25 | | | |



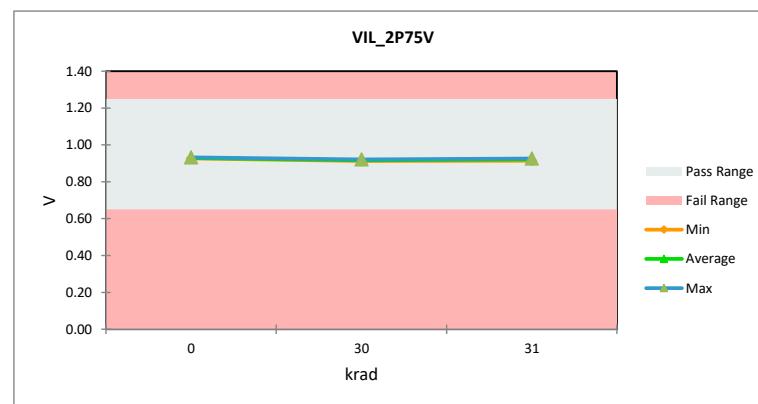
TID Report

SN54SC4T32-SEP

| VIL_2P75V | | | | | | |
|-------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 1.25 | | | | | |
| Min Limit | 0.65 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 0.932 | 0.929 | 0.00 | -0.28% | 0.44% |
| 0 | 2 | 0.936 | 0.932 | 0.00 | -0.33% | 0.52% |
| 0 | 3 | 0.931 | 0.927 | 0.00 | -0.42% | 0.64% |
| 0 | 4 | 0.931 | 0.927 | 0.00 | -0.44% | 0.68% |
| 30 | 5 | 0.938 | 0.921 | -0.02 | -1.80% | 2.82% |
| 30 | 6 | 0.927 | 0.913 | -0.01 | -1.56% | 2.41% |
| 30 | 7 | 0.934 | 0.913 | -0.02 | -2.21% | 3.44% |
| 30 | 8 | 0.931 | 0.918 | -0.01 | -1.41% | 2.18% |
| 30 | 9 | 0.934 | 0.920 | -0.01 | -1.49% | 2.32% |
| 30 | 10 | 0.930 | 0.914 | -0.02 | -1.70% | 2.64% |
| 31 | 11 | 0.938 | 0.924 | -0.01 | -1.55% | 2.43% |
| 31 | 12 | 0.927 | 0.914 | -0.01 | -1.46% | 2.26% |
| 31 | 13 | 0.934 | 0.920 | -0.01 | -1.47% | 2.29% |
| 31 | 14 | 0.931 | 0.924 | -0.01 | -0.75% | 1.16% |
| 31 | 15 | 0.934 | 0.919 | -0.02 | -1.68% | 2.61% |
| 31 | 16 | 0.930 | 0.927 | 0.00 | -0.35% | 0.54% |
| Max | | 0.938 | 0.932 | -0.01 | -0.28% | 3.44% |
| Average | | 0.932 | 0.921 | -0.01 | -1.18% | 1.84% |
| Min | | 0.927 | 0.913 | -0.01 | -2.21% | 0.44% |
| Std Dev | | 0.003 | 0.006 | 0.00 | 0.64% | 0.99% |



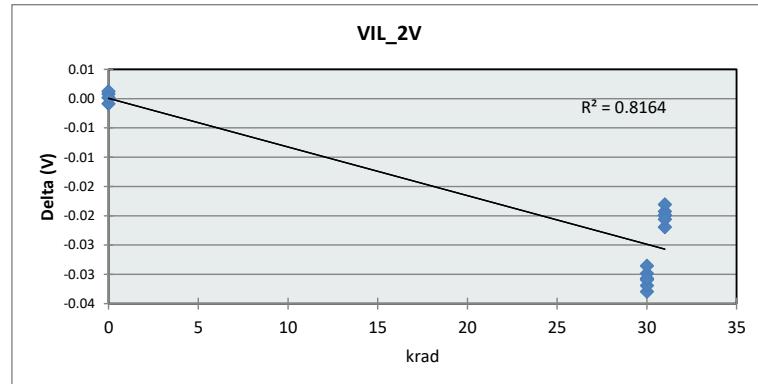
| VIL_2P75V | | | | | | |
|-------------|----------|------|------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 1.25 | | | | | |
| Min Limit | 0.65 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | 0.65 | 0.65 | 0.65 | | | |
| Min | 0.93 | 0.91 | 0.91 | | | |
| Average | 0.93 | 0.92 | 0.92 | | | |
| Max | 0.93 | 0.92 | 0.93 | | | |
| UL | 1.25 | 1.25 | 1.25 | | | |



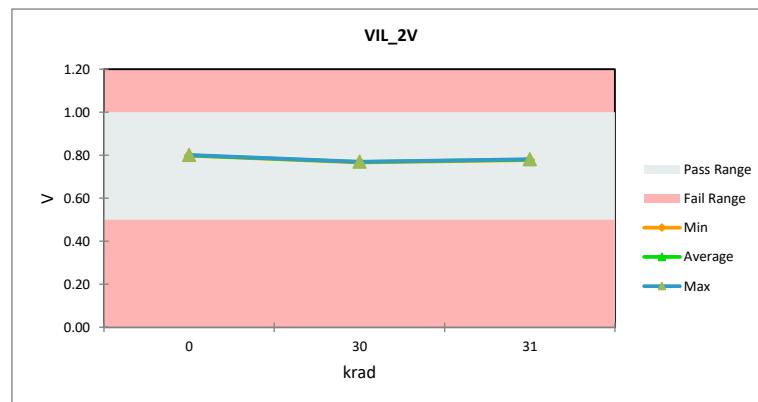
TID Report

SN54SC4T32-SEP

| VIL_2V | | | | | | |
|-------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 1 | | | | | |
| Min Limit | 0.5 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 0.800 | 0.801 | 0.00 | 0.10% | 0.16% |
| 0 | 2 | 0.798 | 0.799 | 0.00 | 0.16% | 0.25% |
| 0 | 3 | 0.799 | 0.798 | 0.00 | -0.11% | 0.17% |
| 0 | 4 | 0.798 | 0.798 | 0.00 | 0.02% | 0.04% |
| 30 | 5 | 0.800 | 0.767 | -0.03 | -4.11% | 6.59% |
| 30 | 6 | 0.798 | 0.766 | -0.03 | -4.00% | 6.38% |
| 30 | 7 | 0.800 | 0.769 | -0.03 | -3.86% | 6.19% |
| 30 | 8 | 0.799 | 0.770 | -0.03 | -3.73% | 5.97% |
| 30 | 9 | 0.797 | 0.769 | -0.03 | -3.58% | 5.71% |
| 30 | 10 | 0.800 | 0.769 | -0.03 | -3.84% | 6.14% |
| 31 | 11 | 0.800 | 0.778 | -0.02 | -2.74% | 4.39% |
| 31 | 12 | 0.798 | 0.779 | -0.02 | -2.41% | 3.85% |
| 31 | 13 | 0.800 | 0.780 | -0.02 | -2.49% | 3.98% |
| 31 | 14 | 0.799 | 0.781 | -0.02 | -2.26% | 3.61% |
| 31 | 15 | 0.797 | 0.777 | -0.02 | -2.49% | 3.98% |
| 31 | 16 | 0.800 | 0.779 | -0.02 | -2.58% | 4.12% |
| Max | | 0.800 | 0.801 | 0.00 | 0.16% | 6.59% |
| Average | | 0.799 | 0.780 | -0.02 | -2.37% | 3.84% |
| Min | | 0.797 | 0.766 | -0.03 | -4.11% | 0.04% |
| Std Dev | | 0.001 | 0.012 | 0.01 | 1.57% | 2.42% |



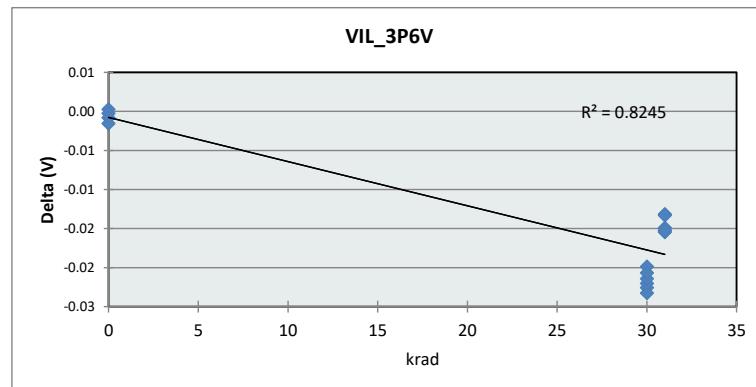
| VIL_2V | | | | | | |
|-------------|----------|------|------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 1 | | | | | |
| Min Limit | 0.5 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | 0.50 | 0.50 | 0.50 | | | |
| Min | 0.80 | 0.77 | 0.78 | | | |
| Average | 0.80 | 0.77 | 0.78 | | | |
| Max | 0.80 | 0.77 | 0.78 | | | |
| UL | 1.00 | 1.00 | 1.00 | | | |



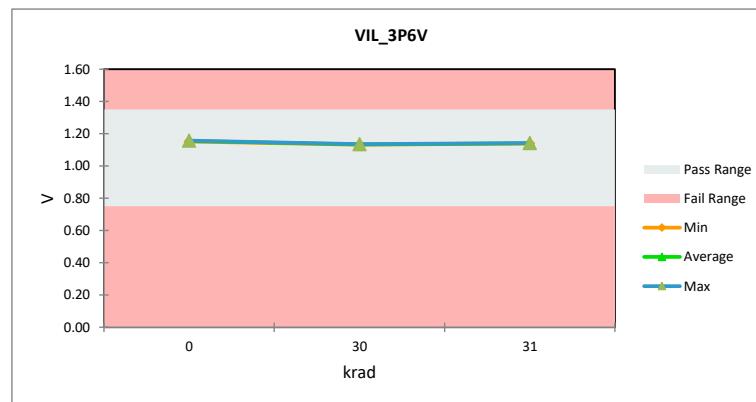
TID Report

SN54SC4T32-SEP

| VIL_3P6V | | | | | | |
|-------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 1.35 | | | | | |
| Min Limit | 0.75 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 1.157 | 1.157 | 0.00 | 0.02% | 0.05% |
| 0 | 2 | 1.156 | 1.156 | 0.00 | -0.02% | 0.04% |
| 0 | 3 | 1.155 | 1.154 | 0.00 | -0.07% | 0.13% |
| 0 | 4 | 1.153 | 1.151 | 0.00 | -0.13% | 0.26% |
| 30 | 5 | 1.156 | 1.133 | -0.02 | -1.95% | 3.76% |
| 30 | 6 | 1.155 | 1.132 | -0.02 | -2.01% | 3.87% |
| 30 | 7 | 1.156 | 1.134 | -0.02 | -1.90% | 3.67% |
| 30 | 8 | 1.157 | 1.135 | -0.02 | -1.85% | 3.57% |
| 30 | 9 | 1.155 | 1.135 | -0.02 | -1.72% | 3.31% |
| 30 | 10 | 1.152 | 1.132 | -0.02 | -1.79% | 3.44% |
| 31 | 11 | 1.156 | 1.141 | -0.01 | -1.29% | 2.49% |
| 31 | 12 | 1.155 | 1.139 | -0.02 | -1.34% | 2.57% |
| 31 | 13 | 1.156 | 1.140 | -0.02 | -1.32% | 2.55% |
| 31 | 14 | 1.157 | 1.141 | -0.02 | -1.32% | 2.54% |
| 31 | 15 | 1.155 | 1.141 | -0.01 | -1.14% | 2.19% |
| 31 | 16 | 1.152 | 1.139 | -0.01 | -1.15% | 2.22% |
| Max | | 1.157 | 1.157 | 0.00 | 0.02% | 3.87% |
| Average | | 1.155 | 1.141 | -0.01 | -1.19% | 2.29% |
| Min | | 1.152 | 1.132 | -0.02 | -2.01% | 0.04% |
| Std Dev | | 0.001 | 0.009 | 0.01 | 0.74% | 1.41% |



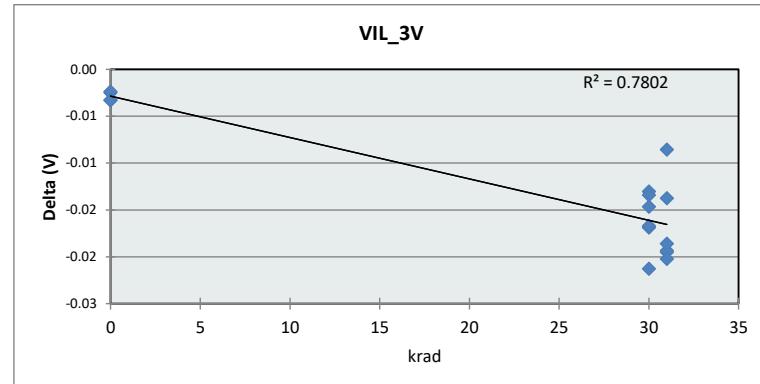
| VIL_3P6V | | | | | | |
|-------------|----------|------|------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 1.35 | | | | | |
| Min Limit | 0.75 | | | | | |
| LL | 0 | 30 | 31 | | | |
| Min | 0.75 | 0.75 | 0.75 | | | |
| Average | 1.15 | 1.13 | 1.14 | | | |
| Max | 1.15 | 1.13 | 1.14 | | | |
| UL | 1.35 | 1.35 | 1.35 | | | |



TID Report

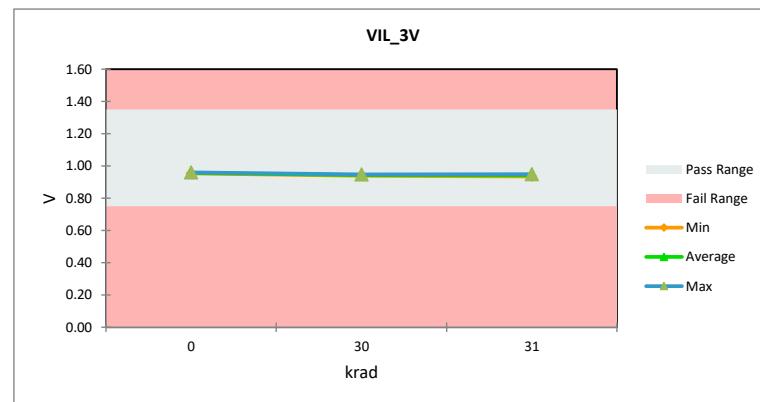
SN54SC4T32-SEP

| VIL_3V | | | | | | |
|-------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 1.35 | | | | | |
| Min Limit | 0.75 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 0.960 | 0.958 | 0.00 | -0.26% | 0.41% |
| 0 | 2 | 0.962 | 0.960 | 0.00 | -0.25% | 0.39% |
| 0 | 3 | 0.957 | 0.954 | 0.00 | -0.34% | 0.55% |
| 0 | 4 | 0.957 | 0.954 | 0.00 | -0.34% | 0.55% |
| 30 | 5 | 0.964 | 0.948 | -0.02 | -1.75% | 2.81% |
| 30 | 6 | 0.954 | 0.939 | -0.01 | -1.54% | 2.44% |
| 30 | 7 | 0.960 | 0.939 | -0.02 | -2.22% | 3.55% |
| 30 | 8 | 0.957 | 0.944 | -0.01 | -1.36% | 2.17% |
| 30 | 9 | 0.961 | 0.947 | -0.01 | -1.39% | 2.23% |
| 30 | 10 | 0.957 | 0.940 | -0.02 | -1.75% | 2.79% |
| 31 | 11 | 0.964 | 0.945 | -0.02 | -2.02% | 3.25% |
| 31 | 12 | 0.954 | 0.935 | -0.02 | -2.03% | 3.22% |
| 31 | 13 | 0.960 | 0.941 | -0.02 | -1.94% | 3.10% |
| 31 | 14 | 0.957 | 0.944 | -0.01 | -1.43% | 2.29% |
| 31 | 15 | 0.961 | 0.941 | -0.02 | -2.11% | 3.37% |
| 31 | 16 | 0.957 | 0.948 | -0.01 | -0.89% | 1.42% |
| Max | | 0.964 | 0.960 | 0.00 | -0.25% | 3.55% |
| Average | | 0.959 | 0.946 | -0.01 | -1.35% | 2.16% |
| Min | | 0.954 | 0.935 | -0.02 | -2.22% | 0.39% |
| Std Dev | | 0.003 | 0.007 | 0.00 | 0.71% | 1.14% |



VIL_3V

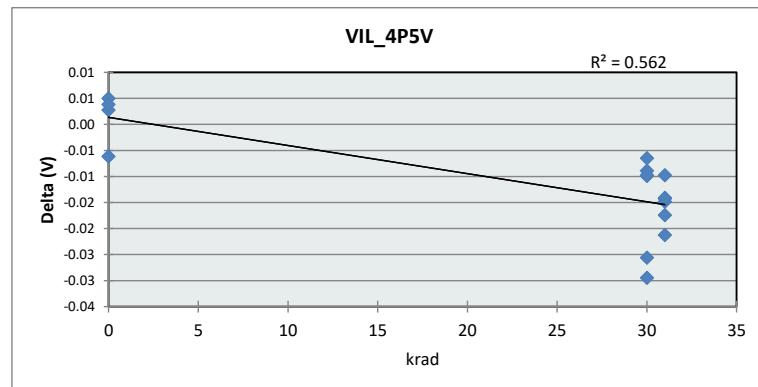
| Test Site | CLAB | | |
|-------------|----------|------|------|
| Tester | ETS88-01 | | |
| Test Number | EQ774601 | | |
| Units | V | | |
| Max Limit | 1.35 | | |
| Min Limit | 0.75 | | |
| krad | 0 | 30 | 31 |
| LL | 0.75 | 0.75 | 0.75 |
| Min | 0.95 | 0.94 | 0.93 |
| Average | 0.96 | 0.94 | 0.94 |
| Max | 0.96 | 0.95 | 0.95 |
| UL | 1.35 | 1.35 | 1.35 |



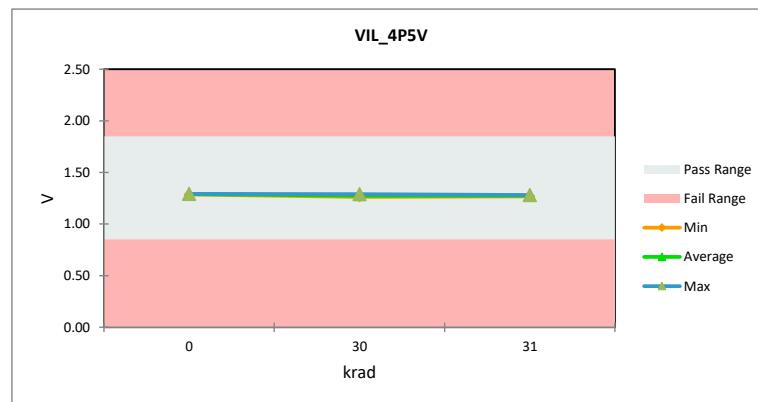
TID Report

SN54SC4T32-SEP

| VIL_4P5V | | | | | | |
|-------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 1.85 | | | | | |
| Min Limit | 0.85 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 1.288 | 1.291 | 0.00 | 0.21% | 0.28% |
| 0 | 2 | 1.292 | 1.286 | -0.01 | -0.48% | 0.62% |
| 0 | 3 | 1.286 | 1.291 | 0.01 | 0.39% | 0.50% |
| 0 | 4 | 1.288 | 1.292 | 0.00 | 0.30% | 0.38% |
| 30 | 5 | 1.295 | 1.289 | -0.01 | -0.50% | 0.65% |
| 30 | 6 | 1.286 | 1.276 | -0.01 | -0.77% | 0.99% |
| 30 | 7 | 1.292 | 1.263 | -0.03 | -2.28% | 2.95% |
| 30 | 8 | 1.286 | 1.277 | -0.01 | -0.69% | 0.89% |
| 30 | 9 | 1.291 | 1.281 | -0.01 | -0.76% | 0.98% |
| 30 | 10 | 1.288 | 1.263 | -0.03 | -1.99% | 2.56% |
| 31 | 11 | 1.295 | 1.281 | -0.01 | -1.10% | 1.43% |
| 31 | 12 | 1.286 | 1.271 | -0.01 | -1.15% | 1.48% |
| 31 | 13 | 1.292 | 1.278 | -0.01 | -1.09% | 1.41% |
| 31 | 14 | 1.286 | 1.269 | -0.02 | -1.35% | 1.74% |
| 31 | 15 | 1.291 | 1.281 | -0.01 | -0.75% | 0.97% |
| 31 | 16 | 1.288 | 1.267 | -0.02 | -1.65% | 2.12% |
| Max | | 1.295 | 1.292 | 0.00 | 0.39% | 2.95% |
| Average | | 1.289 | 1.278 | -0.01 | -0.85% | 1.25% |
| Min | | 1.286 | 1.263 | -0.02 | -2.28% | 0.28% |
| Std Dev | | 0.003 | 0.010 | 0.01 | 0.76% | 0.78% |



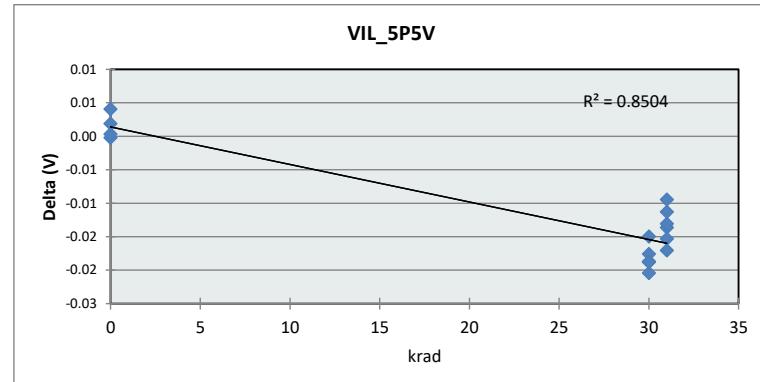
| VIL_4P5V | | | | | | |
|-------------|----------|------|------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 1.85 | | | | | |
| Min Limit | 0.85 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | 0.85 | 0.85 | 0.85 | | | |
| Min | 1.29 | 1.26 | 1.27 | | | |
| Average | 1.29 | 1.27 | 1.27 | | | |
| Max | 1.29 | 1.29 | 1.28 | | | |
| UL | 1.85 | 1.85 | 1.85 | | | |



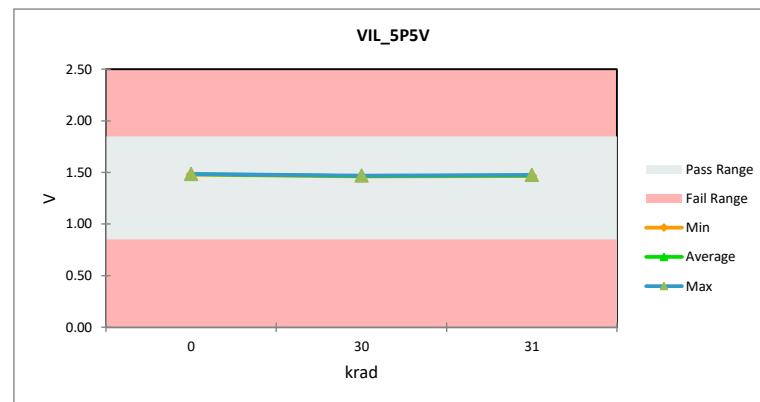
TID Report

SN54SC4T32-SEP

| VIL_5P5V | | | | | | |
|-------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 1.85 | | | | | |
| Min Limit | 0.85 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 1.481 | 1.485 | 0.00 | 0.28% | 0.41% |
| 0 | 2 | 1.485 | 1.485 | 0.00 | -0.01% | 0.02% |
| 0 | 3 | 1.481 | 1.483 | 0.00 | 0.13% | 0.19% |
| 0 | 4 | 1.478 | 1.479 | 0.00 | 0.02% | 0.03% |
| 30 | 5 | 1.483 | 1.464 | -0.02 | -1.26% | 1.87% |
| 30 | 6 | 1.481 | 1.461 | -0.02 | -1.38% | 2.04% |
| 30 | 7 | 1.483 | 1.464 | -0.02 | -1.27% | 1.88% |
| 30 | 8 | 1.487 | 1.469 | -0.02 | -1.18% | 1.76% |
| 30 | 9 | 1.480 | 1.465 | -0.01 | -1.01% | 1.50% |
| 30 | 10 | 1.480 | 1.461 | -0.02 | -1.27% | 1.87% |
| 31 | 11 | 1.483 | 1.469 | -0.01 | -0.92% | 1.36% |
| 31 | 12 | 1.481 | 1.466 | -0.02 | -1.03% | 1.53% |
| 31 | 13 | 1.483 | 1.466 | -0.02 | -1.15% | 1.70% |
| 31 | 14 | 1.487 | 1.475 | -0.01 | -0.76% | 1.13% |
| 31 | 15 | 1.480 | 1.470 | -0.01 | -0.64% | 0.95% |
| 31 | 16 | 1.480 | 1.467 | -0.01 | -0.88% | 1.31% |
| Max | | 1.487 | 1.485 | 0.00 | 0.28% | 2.04% |
| Average | | 1.482 | 1.471 | -0.01 | -0.77% | 1.22% |
| Min | | 1.478 | 1.461 | -0.02 | -1.38% | 0.02% |
| Std Dev | | 0.002 | 0.008 | 0.01 | 0.56% | 0.70% |



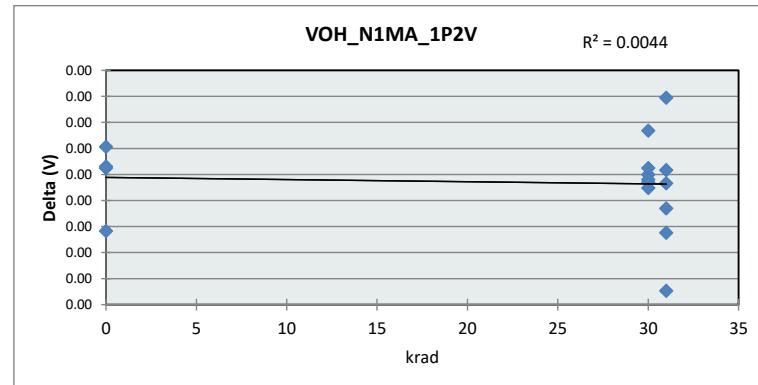
| VIL_5P5V | | | | | | |
|-------------|----------|----|----|---------|------|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 1.85 | | | | | |
| Min Limit | 0.85 | | | | | |
| krad | 0 | 30 | 31 | LL | 0.85 | |
| | | | | Min | 1.48 | |
| | | | | Average | 1.48 | |
| | | | | Max | 1.49 | |
| | | | | UL | 1.85 | |



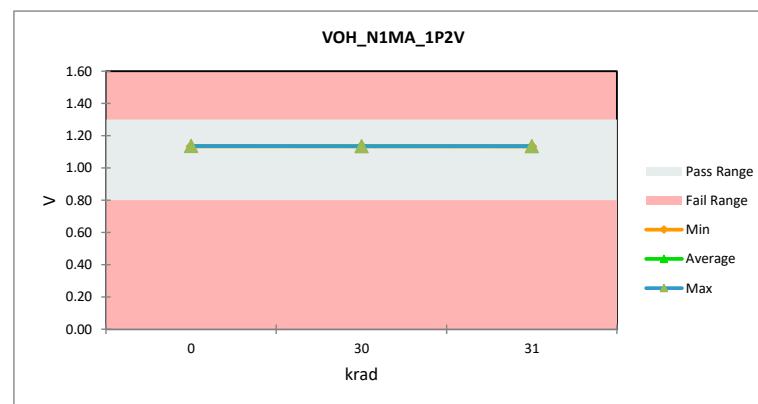
TID Report

SN54SC4T32-SEP

| VOH_N1MA_1P2V | | | | | | |
|---------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 1.3 | | | | | |
| Min Limit | 0.8 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 1.136 | 1.136 | 0.00 | 0.00% | 0.01% |
| 0 | 2 | 1.135 | 1.134 | 0.00 | -0.14% | 0.32% |
| 0 | 3 | 1.136 | 1.136 | 0.00 | -0.03% | 0.08% |
| 0 | 4 | 1.136 | 1.136 | 0.00 | -0.03% | 0.07% |
| 30 | 5 | 1.136 | 1.136 | 0.00 | -0.04% | 0.10% |
| 30 | 6 | 1.136 | 1.135 | 0.00 | -0.06% | 0.13% |
| 30 | 7 | 1.136 | 1.135 | 0.00 | -0.03% | 0.08% |
| 30 | 8 | 1.134 | 1.134 | 0.00 | 0.03% | 0.07% |
| 30 | 9 | 1.135 | 1.135 | 0.00 | -0.07% | 0.15% |
| 30 | 10 | 1.136 | 1.135 | 0.00 | -0.05% | 0.12% |
| 31 | 11 | 1.136 | 1.134 | 0.00 | -0.14% | 0.32% |
| 31 | 12 | 1.136 | 1.135 | 0.00 | -0.06% | 0.13% |
| 31 | 13 | 1.136 | 1.134 | 0.00 | -0.10% | 0.23% |
| 31 | 14 | 1.134 | 1.135 | 0.00 | 0.09% | 0.20% |
| 31 | 15 | 1.135 | 1.135 | 0.00 | -0.04% | 0.08% |
| 31 | 16 | 1.136 | 1.133 | 0.00 | -0.24% | 0.55% |
| Max | | 1.136 | 1.136 | 0.00 | 0.09% | 0.55% |
| Average | | 1.136 | 1.135 | 0.00 | -0.06% | 0.16% |
| Min | | 1.134 | 1.133 | 0.00 | -0.24% | 0.01% |
| Std Dev | | 0.001 | 0.001 | 0.00 | 0.07% | 0.14% |



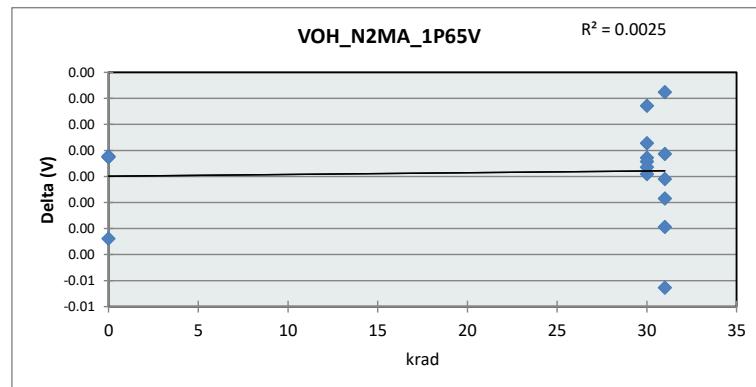
| VOH_N1MA_1P2V | | | | | | |
|---------------|----------|------|------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 1.3 | | | | | |
| Min Limit | 0.8 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | 0.80 | 0.80 | 0.80 | | | |
| Min | 1.13 | 1.13 | 1.13 | | | |
| Average | 1.14 | 1.14 | 1.13 | | | |
| Max | 1.14 | 1.14 | 1.14 | | | |
| UL | 1.30 | 1.30 | 1.30 | | | |



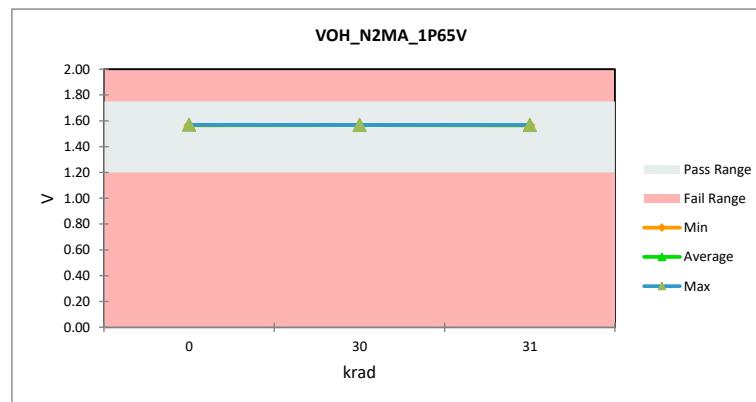
TID Report

SN54SC4T32-SEP

| VOH_N2MA_1P65V | | | | | | |
|----------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 1.75 | | | | | |
| Min Limit | 1.2 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 1.569 | 1.569 | 0.00 | -0.02% | 0.05% |
| 0 | 2 | 1.568 | 1.565 | 0.00 | -0.22% | 0.62% |
| 0 | 3 | 1.569 | 1.569 | 0.00 | -0.01% | 0.04% |
| 0 | 4 | 1.568 | 1.568 | 0.00 | -0.02% | 0.05% |
| 30 | 5 | 1.569 | 1.569 | 0.00 | -0.02% | 0.05% |
| 30 | 6 | 1.569 | 1.568 | 0.00 | -0.06% | 0.16% |
| 30 | 7 | 1.568 | 1.568 | 0.00 | 0.02% | 0.05% |
| 30 | 8 | 1.565 | 1.567 | 0.00 | 0.11% | 0.31% |
| 30 | 9 | 1.568 | 1.567 | 0.00 | -0.03% | 0.08% |
| 30 | 10 | 1.569 | 1.568 | 0.00 | -0.04% | 0.12% |
| 31 | 11 | 1.569 | 1.566 | 0.00 | -0.19% | 0.53% |
| 31 | 12 | 1.569 | 1.568 | 0.00 | -0.07% | 0.20% |
| 31 | 13 | 1.568 | 1.566 | 0.00 | -0.12% | 0.34% |
| 31 | 14 | 1.565 | 1.567 | 0.00 | 0.14% | 0.41% |
| 31 | 15 | 1.568 | 1.568 | 0.00 | -0.01% | 0.02% |
| 31 | 16 | 1.569 | 1.564 | -0.01 | -0.34% | 0.96% |
| Max | | 1.569 | 1.569 | 0.00 | 0.14% | 0.96% |
| Average | | 1.568 | 1.567 | 0.00 | -0.05% | 0.25% |
| Min | | 1.565 | 1.564 | 0.00 | -0.34% | 0.02% |
| Std Dev | | 0.001 | 0.002 | 0.00 | 0.12% | 0.27% |



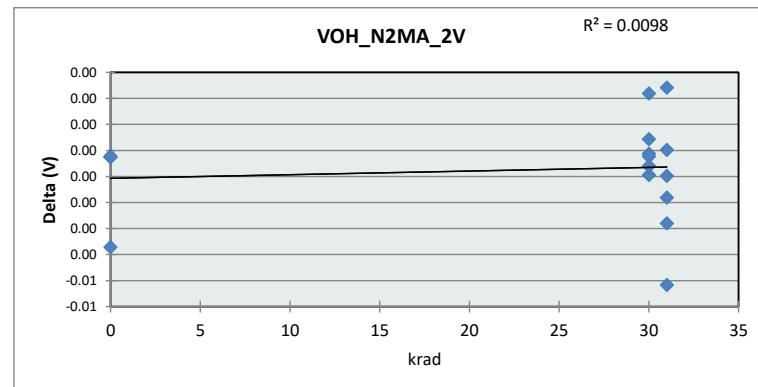
| VOH_N2MA_1P65V | | | | | | |
|----------------|----------|------|------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 1.75 | | | | | |
| Min Limit | 1.2 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | 1.20 | 1.20 | 1.20 | | | |
| Min | 1.56 | 1.57 | 1.56 | | | |
| Average | 1.57 | 1.57 | 1.57 | | | |
| Max | 1.57 | 1.57 | 1.57 | | | |
| UL | 1.75 | 1.75 | 1.75 | | | |



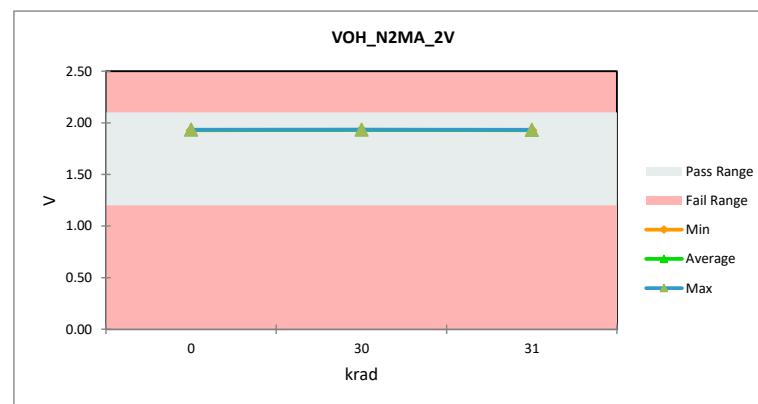
TID Report

SN54SC4T32-SEP

| VOH_N2MA_2V | | | | | | |
|-------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 2.1 | | | | | |
| Min Limit | 1.2 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 1.933 | 1.933 | 0.00 | -0.01% | 0.03% |
| 0 | 2 | 1.932 | 1.928 | 0.00 | -0.19% | 0.41% |
| 0 | 3 | 1.933 | 1.933 | 0.00 | -0.01% | 0.03% |
| 0 | 4 | 1.932 | 1.932 | 0.00 | -0.01% | 0.02% |
| 30 | 5 | 1.933 | 1.933 | 0.00 | -0.01% | 0.01% |
| 30 | 6 | 1.933 | 1.932 | 0.00 | -0.05% | 0.10% |
| 30 | 7 | 1.932 | 1.933 | 0.00 | 0.02% | 0.05% |
| 30 | 8 | 1.929 | 1.931 | 0.00 | 0.11% | 0.24% |
| 30 | 9 | 1.932 | 1.932 | 0.00 | -0.01% | 0.02% |
| 30 | 10 | 1.933 | 1.932 | 0.00 | -0.03% | 0.07% |
| 31 | 11 | 1.933 | 1.930 | 0.00 | -0.15% | 0.31% |
| 31 | 12 | 1.933 | 1.932 | 0.00 | -0.05% | 0.11% |
| 31 | 13 | 1.932 | 1.930 | 0.00 | -0.09% | 0.20% |
| 31 | 14 | 1.929 | 1.931 | 0.00 | 0.13% | 0.27% |
| 31 | 15 | 1.932 | 1.932 | 0.00 | 0.00% | 0.00% |
| 31 | 16 | 1.933 | 1.928 | -0.01 | -0.27% | 0.57% |
| Max | | 1.933 | 1.933 | 0.00 | 0.13% | 0.57% |
| Average | | 1.932 | 1.931 | 0.00 | -0.04% | 0.15% |
| Min | | 1.929 | 1.928 | 0.00 | -0.27% | 0.00% |
| Std Dev | | 0.001 | 0.002 | 0.00 | 0.10% | 0.17% |



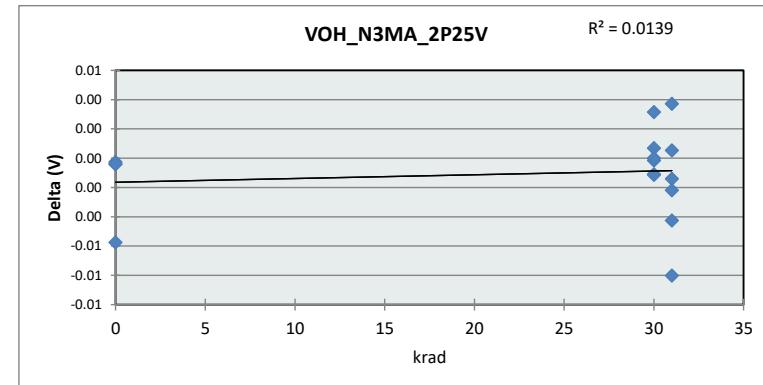
| VOH_N2MA_2V | | | | | | |
|-------------|----------|------|------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 2.1 | | | | | |
| Min Limit | 1.2 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | 1.20 | 1.20 | 1.20 | | | |
| Min | 1.93 | 1.93 | 1.93 | | | |
| Average | 1.93 | 1.93 | 1.93 | | | |
| Max | 1.93 | 1.93 | 1.93 | | | |
| UL | 2.10 | 2.10 | 2.10 | | | |



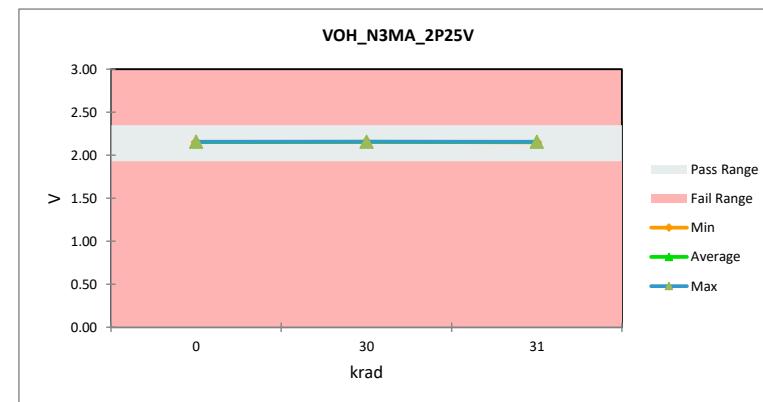
TID Report

SN54SC4T32-SEP

| VOH_N3MA_2P25V | | | | | | |
|----------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 2.35 | | | | | |
| Min Limit | 1.93 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 2.157 | 2.157 | 0.00 | -0.01% | 0.06% |
| 0 | 2 | 2.157 | 2.151 | -0.01 | -0.27% | 1.37% |
| 0 | 3 | 2.158 | 2.157 | 0.00 | -0.02% | 0.10% |
| 0 | 4 | 2.157 | 2.156 | 0.00 | -0.02% | 0.09% |
| 30 | 5 | 2.158 | 2.158 | 0.00 | -0.01% | 0.04% |
| 30 | 6 | 2.158 | 2.157 | 0.00 | -0.05% | 0.27% |
| 30 | 7 | 2.156 | 2.157 | 0.00 | 0.03% | 0.16% |
| 30 | 8 | 2.152 | 2.155 | 0.00 | 0.15% | 0.75% |
| 30 | 9 | 2.155 | 2.155 | 0.00 | 0.00% | 0.00% |
| 30 | 10 | 2.158 | 2.156 | 0.00 | -0.05% | 0.26% |
| 31 | 11 | 2.158 | 2.153 | 0.00 | -0.20% | 1.01% |
| 31 | 12 | 2.158 | 2.156 | 0.00 | -0.07% | 0.34% |
| 31 | 13 | 2.156 | 2.154 | 0.00 | -0.10% | 0.52% |
| 31 | 14 | 2.152 | 2.155 | 0.00 | 0.17% | 0.89% |
| 31 | 15 | 2.155 | 2.156 | 0.00 | 0.02% | 0.13% |
| 31 | 16 | 2.158 | 2.150 | -0.01 | -0.37% | 1.91% |
| Max | | 2.158 | 2.158 | 0.00 | 0.17% | 1.91% |
| Average | | 2.156 | 2.155 | 0.00 | -0.05% | 0.49% |
| Min | | 2.152 | 2.150 | 0.00 | -0.37% | 0.00% |
| Std Dev | | 0.002 | 0.002 | 0.00 | 0.14% | 0.55% |



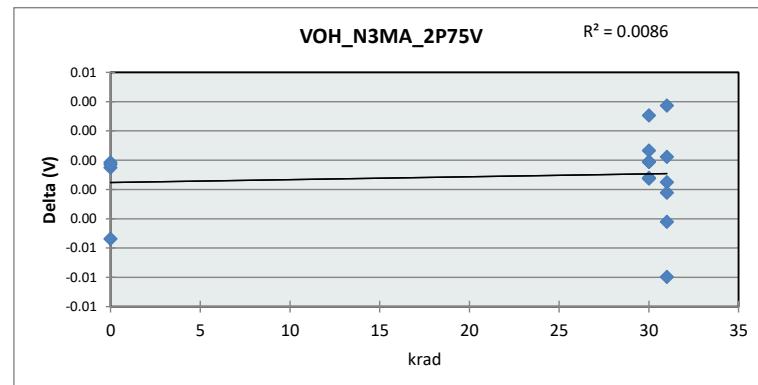
| VOH_N3MA_2P25V | | | | | | |
|----------------|----------|------|------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 2.35 | | | | | |
| Min Limit | 1.93 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | 1.93 | 1.93 | 1.93 | | | |
| Min | 2.15 | 2.15 | 2.15 | | | |
| Average | 2.16 | 2.16 | 2.15 | | | |
| Max | 2.16 | 2.16 | 2.16 | | | |
| UL | 2.35 | 2.35 | 2.35 | | | |



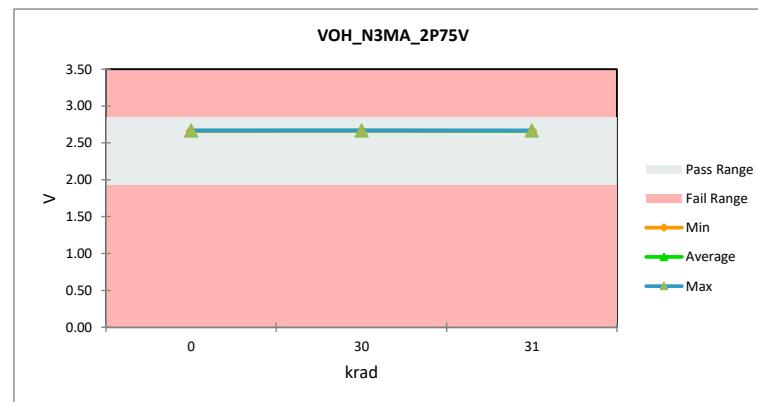
TID Report

SN54SC4T32-SEP

| VOH_N3MA_2P75V | | | | | | | |
|----------------|----------|------------|-------------|-------------|----------|------------------|---|
| Test Site | CLAB | Tester | ETS88-01 | Test Number | EQ774601 | Units | V |
| Max Limit | 2.85 | Min Limit | 1.93 | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range | |
| 0 | 1 | 2.669 | 2.668 | 0.00 | -0.01% | 0.02% | |
| 0 | 2 | 2.668 | 2.663 | -0.01 | -0.20% | 0.58% | |
| 0 | 3 | 2.670 | 2.669 | 0.00 | -0.02% | 0.05% | |
| 0 | 4 | 2.668 | 2.668 | 0.00 | -0.01% | 0.03% | |
| 30 | 5 | 2.669 | 2.669 | 0.00 | 0.00% | 0.01% | |
| 30 | 6 | 2.670 | 2.668 | 0.00 | -0.05% | 0.14% | |
| 30 | 7 | 2.668 | 2.669 | 0.00 | 0.02% | 0.07% | |
| 30 | 8 | 2.663 | 2.666 | 0.00 | 0.12% | 0.33% | |
| 30 | 9 | 2.667 | 2.667 | 0.00 | 0.00% | 0.01% | |
| 30 | 10 | 2.669 | 2.668 | 0.00 | -0.05% | 0.13% | |
| 31 | 11 | 2.669 | 2.665 | 0.00 | -0.16% | 0.46% | |
| 31 | 12 | 2.670 | 2.668 | 0.00 | -0.06% | 0.16% | |
| 31 | 13 | 2.668 | 2.666 | 0.00 | -0.08% | 0.24% | |
| 31 | 14 | 2.663 | 2.667 | 0.00 | 0.14% | 0.41% | |
| 31 | 15 | 2.667 | 2.668 | 0.00 | 0.01% | 0.03% | |
| 31 | 16 | 2.669 | 2.661 | -0.01 | -0.30% | 0.87% | |
| Max | | 2.670 | 2.669 | 0.00 | 0.14% | 0.87% | |
| Average | | 2.668 | 2.667 | 0.00 | -0.04% | 0.22% | |
| Min | | 2.663 | 2.661 | 0.00 | -0.30% | 0.01% | |
| Std Dev | | 0.002 | 0.002 | 0.00 | 0.11% | 0.25% | |



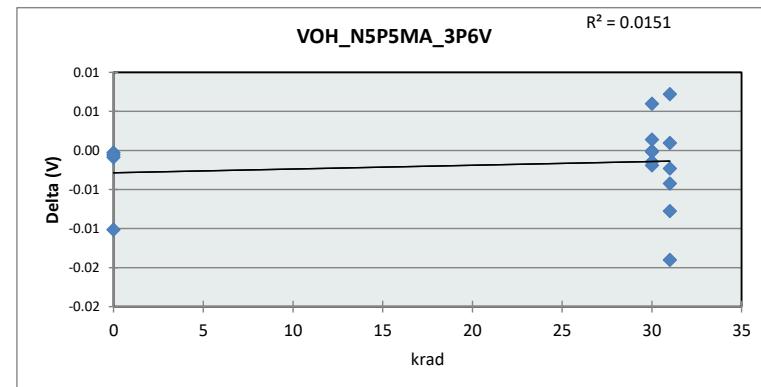
| VOH_N3MA_2P75V | | | | | | | |
|----------------|------|-----------|----------|-------------|----------|-------|---|
| Test Site | CLAB | Tester | ETS88-01 | Test Number | EQ774601 | Units | V |
| Max Limit | 2.85 | Min Limit | 1.93 | | | | |
| krad | 0 | 30 | 31 | | | | |
| LL | 1.93 | 1.93 | 1.93 | | | | |
| Min | 2.66 | 2.67 | 2.66 | | | | |
| Average | 2.67 | 2.67 | 2.67 | | | | |
| Max | 2.67 | 2.67 | 2.67 | | | | |
| UL | 2.85 | 2.85 | 2.85 | | | | |



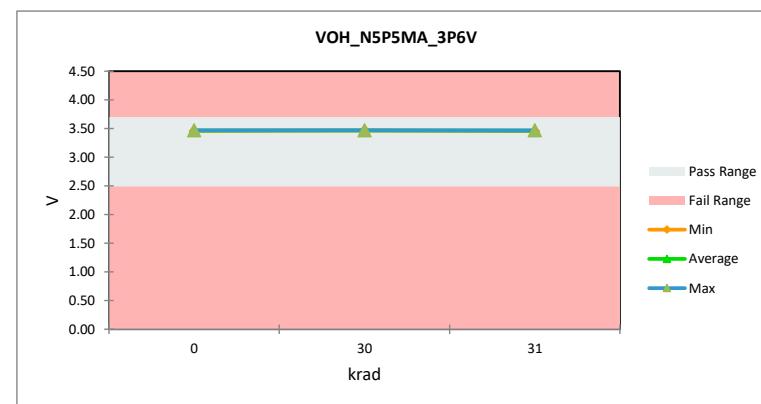
TID Report

SN54SC4T32-SEP

| VOH_N5P5MA_3P6V | | | | | | |
|-----------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 3.7 | | | | | |
| Min Limit | 2.49 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 3.468 | 3.468 | 0.00 | -0.01% | 0.02% |
| 0 | 2 | 3.467 | 3.457 | -0.01 | -0.29% | 0.84% |
| 0 | 3 | 3.470 | 3.469 | 0.00 | -0.03% | 0.07% |
| 0 | 4 | 3.468 | 3.467 | 0.00 | -0.02% | 0.05% |
| 30 | 5 | 3.470 | 3.470 | 0.00 | 0.00% | 0.01% |
| 30 | 6 | 3.470 | 3.468 | 0.00 | -0.06% | 0.16% |
| 30 | 7 | 3.467 | 3.468 | 0.00 | 0.04% | 0.12% |
| 30 | 8 | 3.458 | 3.464 | 0.01 | 0.17% | 0.49% |
| 30 | 9 | 3.466 | 3.466 | 0.00 | 0.00% | 0.01% |
| 30 | 10 | 3.470 | 3.468 | 0.00 | -0.04% | 0.12% |
| 31 | 11 | 3.470 | 3.462 | -0.01 | -0.22% | 0.64% |
| 31 | 12 | 3.470 | 3.468 | 0.00 | -0.07% | 0.19% |
| 31 | 13 | 3.467 | 3.463 | 0.00 | -0.12% | 0.35% |
| 31 | 14 | 3.458 | 3.466 | 0.01 | 0.21% | 0.60% |
| 31 | 15 | 3.466 | 3.467 | 0.00 | 0.03% | 0.08% |
| 31 | 16 | 3.470 | 3.456 | -0.01 | -0.40% | 1.16% |
| Max | | 3.470 | 3.470 | 0.00 | 0.21% | 1.16% |
| Average | | 3.467 | 3.465 | 0.00 | -0.05% | 0.31% |
| Min | | 3.458 | 3.456 | 0.00 | -0.40% | 0.01% |
| Std Dev | | 0.004 | 0.004 | 0.00 | 0.15% | 0.34% |



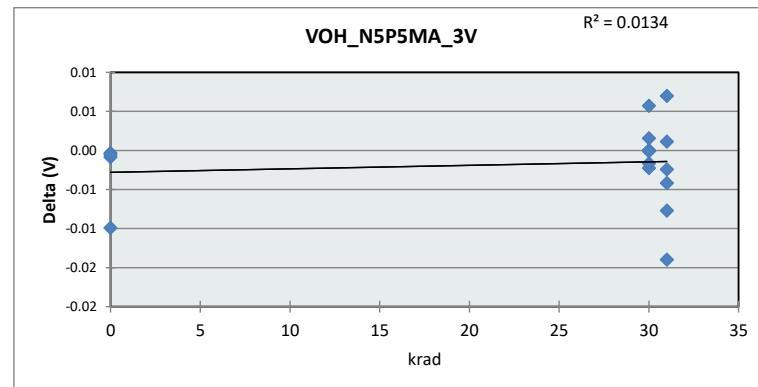
| VOH_N5P5MA_3P6V | | | | | | |
|-----------------|----------|------|------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 3.7 | | | | | |
| Min Limit | 2.49 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | 2.49 | 2.49 | 2.49 | | | |
| Min | 3.46 | 3.46 | 3.46 | | | |
| Average | 3.47 | 3.47 | 3.47 | | | |
| Max | 3.47 | 3.47 | 3.47 | | | |
| UL | 3.70 | 3.70 | 3.70 | | | |



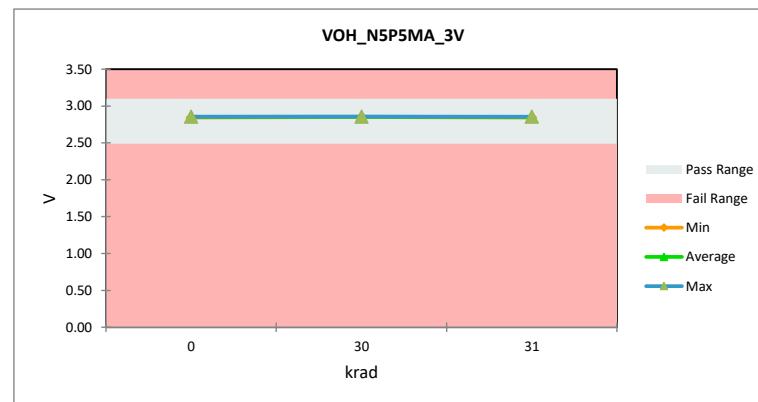
TID Report

SN54SC4T32-SEP

| VOH_N5P5MA_3V | | | | | | |
|---------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 3.1 | | | | | |
| Min Limit | 2.49 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 2.856 | 2.856 | 0.00 | -0.01% | 0.05% |
| 0 | 2 | 2.855 | 2.845 | -0.01 | -0.35% | 1.62% |
| 0 | 3 | 2.858 | 2.857 | 0.00 | -0.03% | 0.14% |
| 0 | 4 | 2.855 | 2.855 | 0.00 | -0.02% | 0.09% |
| 30 | 5 | 2.857 | 2.857 | 0.00 | 0.00% | 0.01% |
| 30 | 6 | 2.858 | 2.856 | 0.00 | -0.08% | 0.37% |
| 30 | 7 | 2.855 | 2.856 | 0.00 | 0.05% | 0.26% |
| 30 | 8 | 2.846 | 2.852 | 0.01 | 0.20% | 0.94% |
| 30 | 9 | 2.853 | 2.853 | 0.00 | 0.00% | 0.02% |
| 30 | 10 | 2.857 | 2.855 | 0.00 | -0.06% | 0.27% |
| 31 | 11 | 2.857 | 2.850 | -0.01 | -0.27% | 1.26% |
| 31 | 12 | 2.858 | 2.855 | 0.00 | -0.09% | 0.40% |
| 31 | 13 | 2.855 | 2.850 | 0.00 | -0.15% | 0.68% |
| 31 | 14 | 2.846 | 2.853 | 0.01 | 0.25% | 1.14% |
| 31 | 15 | 2.853 | 2.855 | 0.00 | 0.04% | 0.18% |
| 31 | 16 | 2.857 | 2.843 | -0.01 | -0.49% | 2.29% |
| Max | | 2.858 | 2.857 | 0.00 | 0.25% | 2.29% |
| Average | | 2.855 | 2.853 | 0.00 | -0.06% | 0.61% |
| Min | | 2.846 | 2.843 | 0.00 | -0.49% | 0.01% |
| Std Dev | | 0.004 | 0.004 | 0.00 | 0.19% | 0.67% |



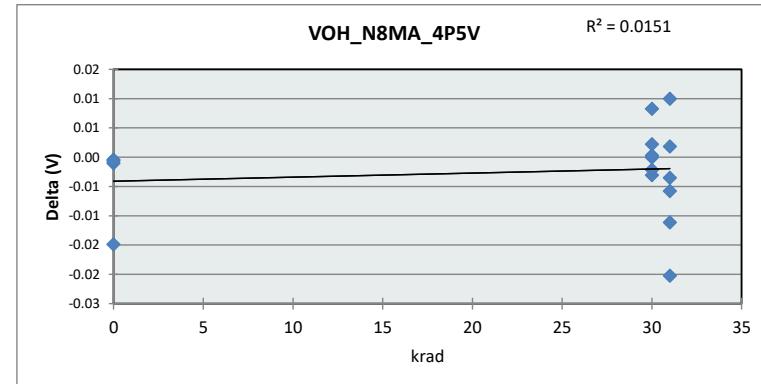
| VOH_N5P5MA_3V | | | | | | |
|---------------|----------|------|------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 3.1 | | | | | |
| Min Limit | 2.49 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | 2.49 | 2.49 | 2.49 | | | |
| Min | 2.84 | 2.85 | 2.84 | | | |
| Average | 2.85 | 2.85 | 2.85 | | | |
| Max | 2.86 | 2.86 | 2.86 | | | |
| UL | 3.10 | 3.10 | 3.10 | | | |



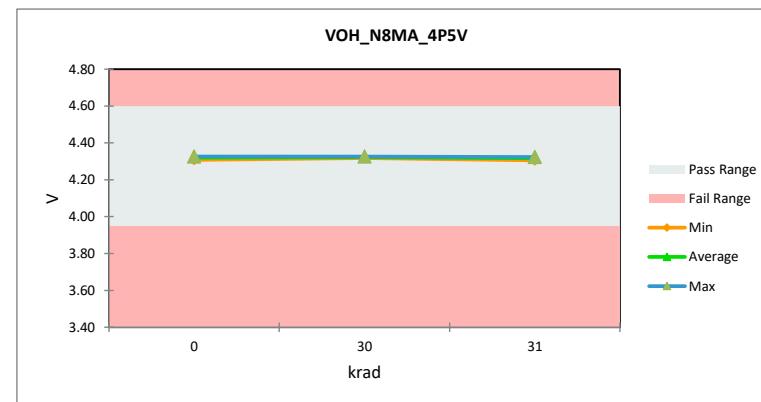
TID Report

SN54SC4T32-SEP

| VOH_N8MA_4P5V | | | | | | |
|---------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 4.6 | | | | | |
| Min Limit | 3.95 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 4.324 | 4.323 | 0.00 | -0.01% | 0.06% |
| 0 | 2 | 4.323 | 4.308 | -0.01 | -0.34% | 2.29% |
| 0 | 3 | 4.327 | 4.326 | 0.00 | -0.02% | 0.16% |
| 0 | 4 | 4.323 | 4.322 | 0.00 | -0.02% | 0.10% |
| 30 | 5 | 4.326 | 4.326 | 0.00 | 0.00% | 0.00% |
| 30 | 6 | 4.327 | 4.324 | 0.00 | -0.07% | 0.47% |
| 30 | 7 | 4.322 | 4.324 | 0.00 | 0.05% | 0.34% |
| 30 | 8 | 4.310 | 4.318 | 0.01 | 0.19% | 1.27% |
| 30 | 9 | 4.320 | 4.320 | 0.00 | 0.01% | 0.05% |
| 30 | 10 | 4.326 | 4.323 | 0.00 | -0.05% | 0.33% |
| 31 | 11 | 4.326 | 4.315 | -0.01 | -0.26% | 1.71% |
| 31 | 12 | 4.327 | 4.323 | 0.00 | -0.08% | 0.54% |
| 31 | 13 | 4.322 | 4.316 | -0.01 | -0.13% | 0.89% |
| 31 | 14 | 4.310 | 4.320 | 0.01 | 0.23% | 1.54% |
| 31 | 15 | 4.320 | 4.322 | 0.00 | 0.04% | 0.28% |
| 31 | 16 | 4.326 | 4.305 | -0.02 | -0.47% | 3.11% |
| Max | | 4.327 | 4.326 | 0.00 | 0.23% | 3.11% |
| Average | | 4.322 | 4.320 | 0.00 | -0.06% | 0.82% |
| Min | | 4.310 | 4.305 | 0.00 | -0.47% | 0.00% |
| Std Dev | | 0.005 | 0.006 | 0.00 | 0.18% | 0.92% |



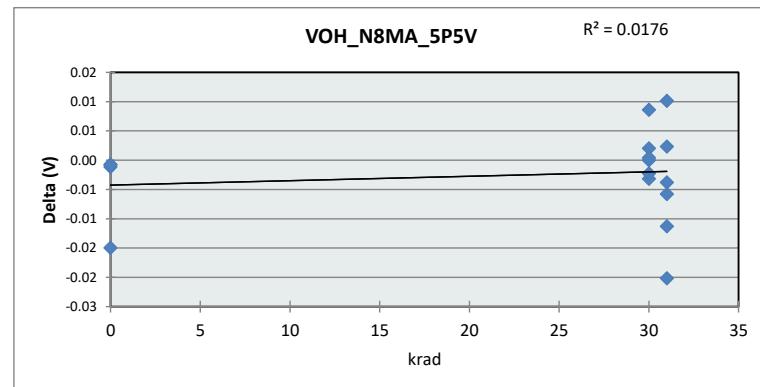
| VOH_N8MA_4P5V | | | | | | |
|---------------|----------|------|------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 4.6 | | | | | |
| Min Limit | 3.95 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | 3.95 | 3.95 | 3.95 | | | |
| Min | 4.31 | 4.32 | 4.31 | | | |
| Average | 4.32 | 4.32 | 4.32 | | | |
| Max | 4.33 | 4.33 | 4.32 | | | |
| UL | 4.60 | 4.60 | 4.60 | | | |



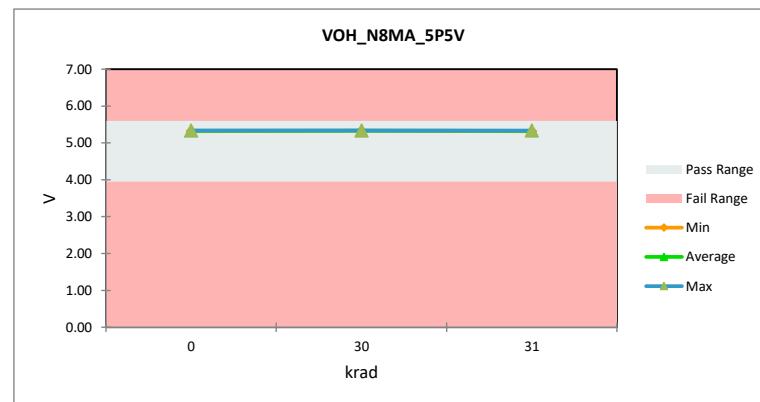
TID Report

SN54SC4T32-SEP

| VOH_N8MA_5P5V | | | | | | |
|---------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 5.6 | | | | | |
| Min Limit | 3.95 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 5.335 | 5.334 | 0.00 | -0.01% | 0.04% |
| 0 | 2 | 5.334 | 5.319 | -0.01 | -0.28% | 0.91% |
| 0 | 3 | 5.338 | 5.337 | 0.00 | -0.02% | 0.07% |
| 0 | 4 | 5.334 | 5.333 | 0.00 | -0.01% | 0.05% |
| 30 | 5 | 5.337 | 5.337 | 0.00 | 0.00% | 0.00% |
| 30 | 6 | 5.338 | 5.335 | 0.00 | -0.06% | 0.19% |
| 30 | 7 | 5.333 | 5.335 | 0.00 | 0.04% | 0.12% |
| 30 | 8 | 5.321 | 5.329 | 0.01 | 0.16% | 0.52% |
| 30 | 9 | 5.331 | 5.331 | 0.00 | 0.01% | 0.03% |
| 30 | 10 | 5.337 | 5.334 | 0.00 | -0.04% | 0.14% |
| 31 | 11 | 5.337 | 5.326 | -0.01 | -0.21% | 0.68% |
| 31 | 12 | 5.338 | 5.334 | 0.00 | -0.07% | 0.23% |
| 31 | 13 | 5.333 | 5.327 | -0.01 | -0.11% | 0.35% |
| 31 | 14 | 5.321 | 5.331 | 0.01 | 0.19% | 0.62% |
| 31 | 15 | 5.331 | 5.333 | 0.00 | 0.04% | 0.14% |
| 31 | 16 | 5.337 | 5.316 | -0.02 | -0.38% | 1.22% |
| Max | | 5.338 | 5.337 | 0.00 | 0.19% | 1.22% |
| Average | | 5.333 | 5.331 | 0.00 | -0.05% | 0.33% |
| Min | | 5.321 | 5.316 | 0.00 | -0.38% | 0.00% |
| Std Dev | | 0.005 | 0.006 | 0.00 | 0.15% | 0.36% |



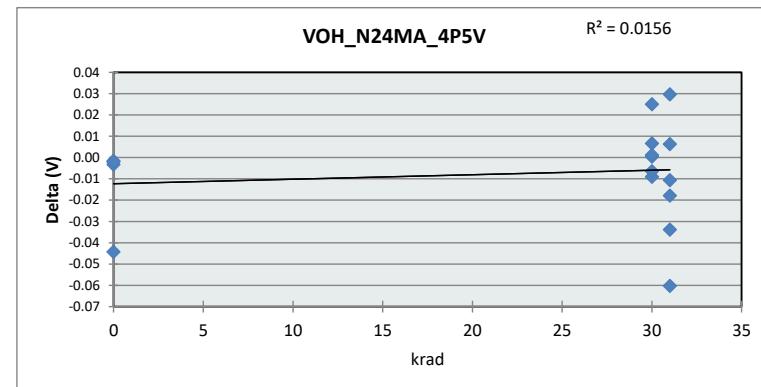
| VOH_N8MA_5P5V | | | | | | |
|---------------|----------|------|------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 5.6 | | | | | |
| Min Limit | 3.95 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | 3.95 | 3.95 | 3.95 | | | |
| Min | 5.32 | 5.33 | 5.32 | | | |
| Average | 5.33 | 5.33 | 5.33 | | | |
| Max | 5.34 | 5.34 | 5.33 | | | |
| UL | 5.60 | 5.60 | 5.60 | | | |



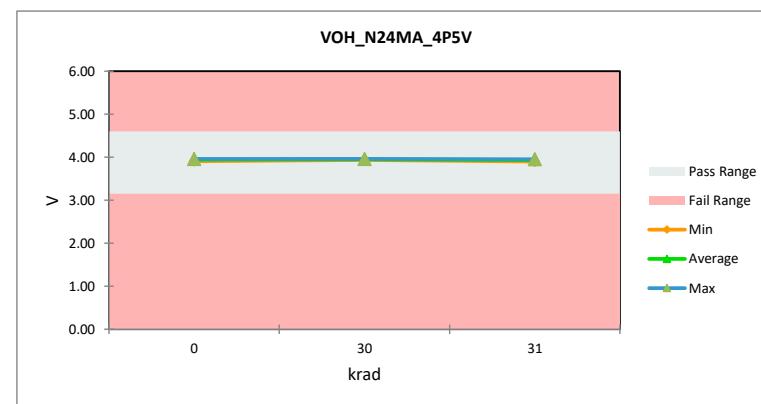
TID Report

SN54SC4T32-SEP

| VOH_N24MA_4P5V | | | | | | |
|----------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 4.6 | | | | | |
| Min Limit | 3.15 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 3.954 | 3.952 | 0.00 | -0.04% | 0.11% |
| 0 | 2 | 3.950 | 3.906 | -0.04 | -1.12% | 3.05% |
| 0 | 3 | 3.962 | 3.959 | 0.00 | -0.08% | 0.22% |
| 0 | 4 | 3.951 | 3.949 | 0.00 | -0.05% | 0.13% |
| 30 | 5 | 3.960 | 3.960 | 0.00 | 0.01% | 0.03% |
| 30 | 6 | 3.963 | 3.954 | -0.01 | -0.23% | 0.62% |
| 30 | 7 | 3.948 | 3.955 | 0.01 | 0.17% | 0.46% |
| 30 | 8 | 3.911 | 3.937 | 0.03 | 0.64% | 1.73% |
| 30 | 9 | 3.942 | 3.944 | 0.00 | 0.03% | 0.08% |
| 30 | 10 | 3.959 | 3.953 | -0.01 | -0.16% | 0.44% |
| 31 | 11 | 3.960 | 3.926 | -0.03 | -0.86% | 2.34% |
| 31 | 12 | 3.963 | 3.952 | -0.01 | -0.27% | 0.73% |
| 31 | 13 | 3.948 | 3.930 | -0.02 | -0.45% | 1.23% |
| 31 | 14 | 3.911 | 3.941 | 0.03 | 0.76% | 2.05% |
| 31 | 15 | 3.942 | 3.949 | 0.01 | 0.16% | 0.44% |
| 31 | 16 | 3.959 | 3.899 | -0.06 | -1.52% | 4.15% |
| Max | | 3.963 | 3.960 | 0.00 | 0.76% | 4.15% |
| Average | | 3.949 | 3.942 | -0.01 | -0.19% | 1.11% |
| Min | | 3.911 | 3.899 | -0.01 | -1.52% | 0.03% |
| Std Dev | | 0.016 | 0.018 | 0.00 | 0.59% | 1.22% |



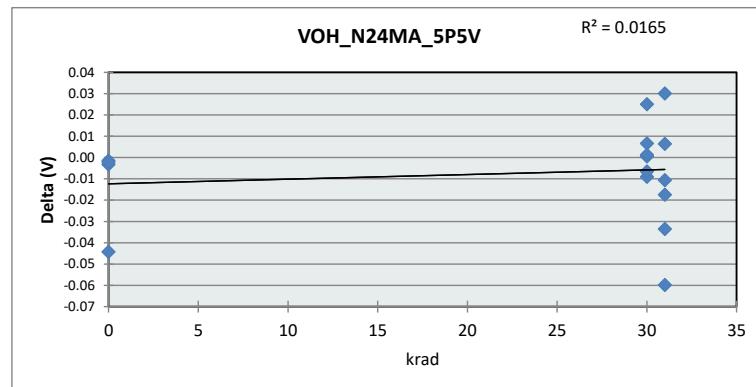
| VOH_N24MA_4P5V | | | | | | |
|----------------|----------|------|------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 4.6 | | | | | |
| Min Limit | 3.15 | | | | | |
| Max | 0 | 30 | 31 | | | |
| LL | 3.15 | 3.15 | 3.15 | | | |
| Min | 3.91 | 3.94 | 3.90 | | | |
| Average | 3.94 | 3.95 | 3.93 | | | |
| Max | 3.96 | 3.96 | 3.95 | | | |
| UL | 4.60 | 4.60 | 4.60 | | | |



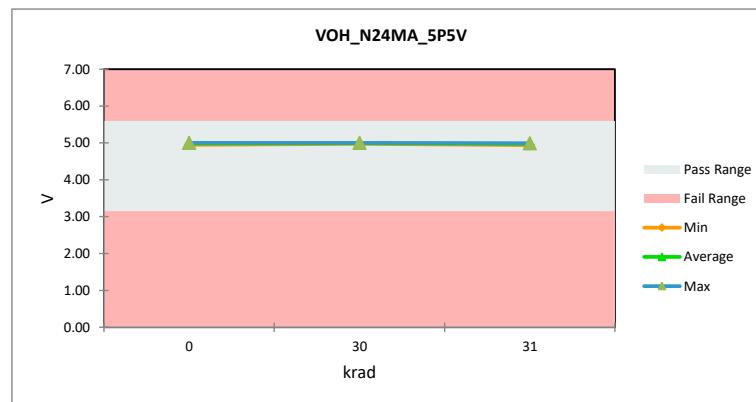
TID Report

SN54SC4T32-SEP

| VOH_N24MA_5P5V | | | | | | |
|----------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 5.6 | | | | | |
| Min Limit | 3.15 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 4.993 | 4.992 | 0.00 | -0.03% | 0.06% |
| 0 | 2 | 4.990 | 4.946 | -0.04 | -0.89% | 1.81% |
| 0 | 3 | 5.002 | 4.999 | 0.00 | -0.07% | 0.13% |
| 0 | 4 | 4.991 | 4.989 | 0.00 | -0.04% | 0.09% |
| 30 | 5 | 5.000 | 5.000 | 0.00 | 0.01% | 0.02% |
| 30 | 6 | 5.003 | 4.994 | -0.01 | -0.18% | 0.37% |
| 30 | 7 | 4.988 | 4.995 | 0.01 | 0.13% | 0.27% |
| 30 | 8 | 4.951 | 4.976 | 0.03 | 0.51% | 1.02% |
| 30 | 9 | 4.983 | 4.984 | 0.00 | 0.03% | 0.05% |
| 30 | 10 | 4.999 | 4.993 | -0.01 | -0.13% | 0.26% |
| 31 | 11 | 5.000 | 4.966 | -0.03 | -0.67% | 1.37% |
| 31 | 12 | 5.003 | 4.992 | -0.01 | -0.21% | 0.43% |
| 31 | 13 | 4.988 | 4.971 | -0.02 | -0.35% | 0.71% |
| 31 | 14 | 4.951 | 4.982 | 0.03 | 0.61% | 1.23% |
| 31 | 15 | 4.983 | 4.989 | 0.01 | 0.13% | 0.26% |
| 31 | 16 | 4.999 | 4.939 | -0.06 | -1.20% | 2.44% |
| Max | | 5.003 | 5.000 | 0.00 | 0.61% | 2.44% |
| Average | | 4.989 | 4.982 | -0.01 | -0.15% | 0.66% |
| Min | | 4.951 | 4.939 | -0.01 | -1.20% | 0.02% |
| Std Dev | | 0.016 | 0.018 | 0.00 | 0.46% | 0.72% |



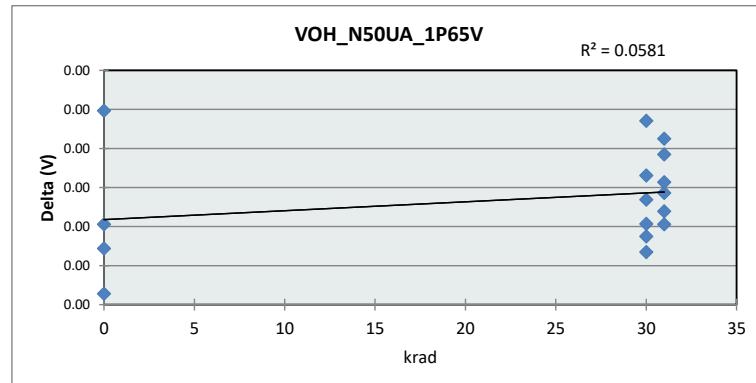
| VOH_N24MA_5P5V | | | | | | |
|----------------|----------|------|------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 5.6 | | | | | |
| Min Limit | 3.15 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | 3.15 | 3.15 | 3.15 | | | |
| Min | 4.95 | 4.98 | 4.94 | | | |
| Average | 4.98 | 4.99 | 4.97 | | | |
| Max | 5.00 | 5.00 | 4.99 | | | |
| UL | 5.60 | 5.60 | 5.60 | | | |



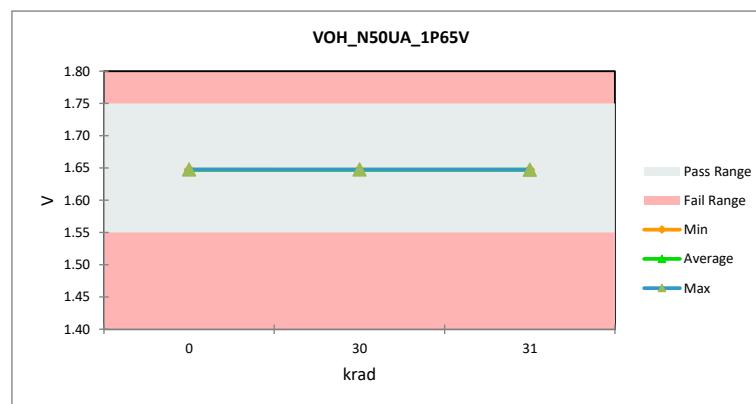
TID Report

SN54SC4T32-SEP

| VOH_N50UA_1P65V | | | | | | |
|-----------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 1.75 | | | | | |
| Min Limit | 1.55 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 1.647 | 1.647 | 0.00 | -0.01% | 0.08% |
| 0 | 2 | 1.647 | 1.647 | 0.00 | -0.02% | 0.14% |
| 0 | 3 | 1.647 | 1.647 | 0.00 | 0.01% | 0.10% |
| 0 | 4 | 1.647 | 1.647 | 0.00 | -0.01% | 0.05% |
| 30 | 5 | 1.647 | 1.647 | 0.00 | -0.01% | 0.08% |
| 30 | 6 | 1.647 | 1.647 | 0.00 | 0.00% | 0.02% |
| 30 | 7 | 1.647 | 1.647 | 0.00 | 0.01% | 0.09% |
| 30 | 8 | 1.647 | 1.647 | 0.00 | 0.00% | 0.02% |
| 30 | 9 | 1.647 | 1.647 | 0.00 | -0.01% | 0.06% |
| 30 | 10 | 1.647 | 1.647 | 0.00 | -0.01% | 0.05% |
| 31 | 11 | 1.647 | 1.647 | 0.00 | -0.01% | 0.05% |
| 31 | 12 | 1.647 | 1.647 | 0.00 | 0.00% | 0.01% |
| 31 | 13 | 1.647 | 1.647 | 0.00 | 0.00% | 0.03% |
| 31 | 14 | 1.647 | 1.647 | 0.00 | 0.00% | 0.01% |
| 31 | 15 | 1.647 | 1.647 | 0.00 | 0.01% | 0.06% |
| 31 | 16 | 1.647 | 1.647 | 0.00 | 0.01% | 0.04% |
| Max | | 1.647 | 1.647 | 0.00 | 0.01% | 0.14% |
| Average | | 1.647 | 1.647 | 0.00 | 0.00% | 0.05% |
| Min | | 1.647 | 1.647 | 0.00 | -0.02% | 0.01% |
| Std Dev | | 0.000 | 0.000 | 0.00 | 0.01% | 0.04% |



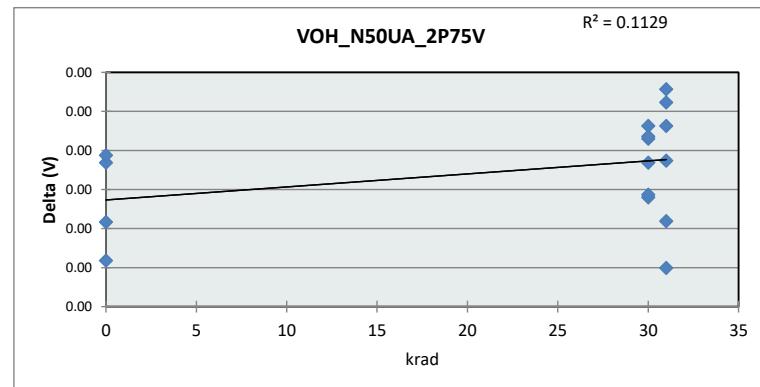
| VOH_N50UA_1P65V | | | |
|-----------------|----------|------|------|
| Test Site | CLAB | | |
| Tester | ETS88-01 | | |
| Test Number | EQ774601 | | |
| Units | V | | |
| Max Limit | 1.75 | | |
| Min Limit | 1.55 | | |
| krad | 0 | 30 | 31 |
| LL | 1.55 | 1.55 | 1.55 |
| Min | 1.65 | 1.65 | 1.65 |
| Average | 1.65 | 1.65 | 1.65 |
| Max | 1.65 | 1.65 | 1.65 |
| UL | 1.75 | 1.75 | 1.75 |



TID Report

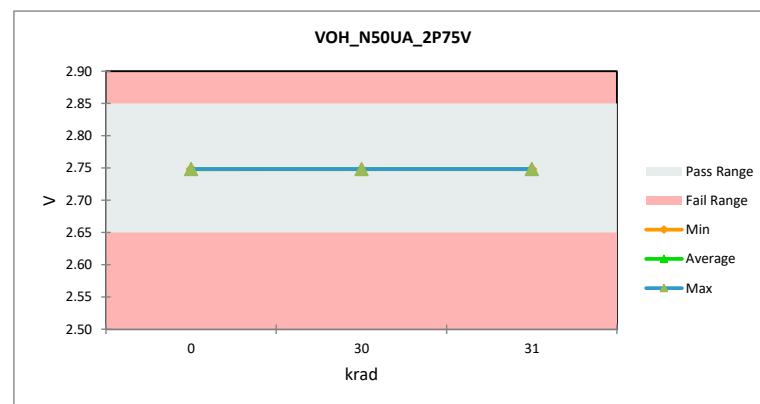
SN54SC4T32-SEP

| VOH_N50UA_2P75V | | | | | | |
|-----------------|-----------|------------|-------------|----------|-------------|------------------|
| | Test Site | CLAB | Tester | ETS88-01 | Test Number | EQ774601 |
| | Units | V | | | | |
| Max Limit | | 2.85 | | | | |
| Min Limit | | 2.65 | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 2.748 | 2.748 | 0.00 | -0.01% | 0.14% |
| 0 | 2 | 2.748 | 2.748 | 0.00 | 0.00% | 0.02% |
| 0 | 3 | 2.748 | 2.748 | 0.00 | 0.00% | 0.01% |
| 0 | 4 | 2.748 | 2.748 | 0.00 | -0.01% | 0.09% |
| 30 | 5 | 2.748 | 2.748 | 0.00 | 0.00% | 0.01% |
| 30 | 6 | 2.748 | 2.748 | 0.00 | 0.00% | 0.06% |
| 30 | 7 | 2.748 | 2.748 | 0.00 | 0.00% | 0.03% |
| 30 | 8 | 2.748 | 2.748 | 0.00 | 0.00% | 0.02% |
| 30 | 9 | 2.748 | 2.748 | 0.00 | 0.00% | 0.02% |
| 30 | 10 | 2.748 | 2.748 | 0.00 | 0.00% | 0.06% |
| 31 | 11 | 2.748 | 2.748 | 0.00 | 0.00% | 0.06% |
| 31 | 12 | 2.748 | 2.748 | 0.00 | 0.00% | 0.01% |
| 31 | 13 | 2.748 | 2.748 | 0.00 | 0.00% | 0.03% |
| 31 | 14 | 2.748 | 2.748 | 0.00 | 0.01% | 0.08% |
| 31 | 15 | 2.748 | 2.748 | 0.00 | -0.01% | 0.09% |
| 31 | 16 | 2.748 | 2.748 | 0.00 | -0.01% | 0.15% |
| Max | | 2.748 | 2.748 | 0.00 | 0.01% | 0.15% |
| Average | | 2.748 | 2.748 | 0.00 | 0.00% | 0.05% |
| Min | | 2.748 | 2.748 | 0.00 | -0.01% | 0.01% |
| Std Dev | | 0.000 | 0.000 | 0.00 | 0.00% | 0.05% |



VOH_N50UA_2P75V

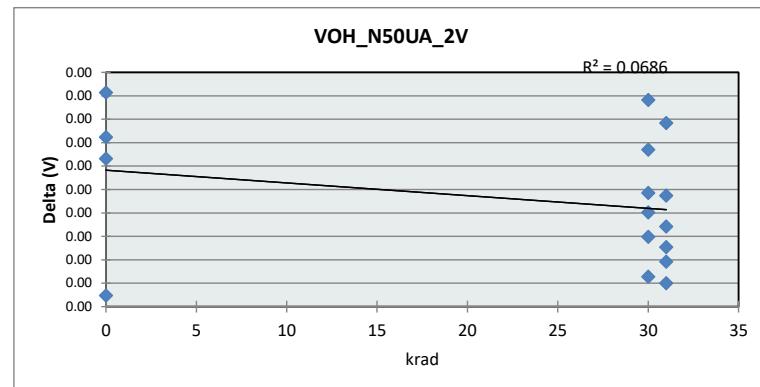
| | Test Site | CLAB | Tester | ETS88-01 | Test Number | EQ774601 | Units | V | Max Limit | 2.85 | Min Limit | 2.65 | | | | | | | | |
|---------|-----------|-------|--------|----------|-------------|----------|-------|---|-----------|------|-----------|------|---------|------|-----|------|----|------|------|------|
| | krad | 0 | 30 | 31 | | | | | LL | 2.65 | Min | 2.75 | Average | 2.75 | Max | 2.75 | UL | 2.85 | 2.85 | 2.85 |
| Max | | 2.748 | 2.748 | 2.748 | | | | | LL | 2.65 | Min | 2.75 | Average | 2.75 | Max | 2.75 | UL | 2.85 | 2.85 | 2.85 |
| Average | | 2.748 | 2.748 | 2.748 | | | | | Min | 2.75 | Min | 2.75 | Average | 2.75 | Max | 2.75 | UL | 2.85 | 2.85 | 2.85 |
| Min | | 2.748 | 2.748 | 2.748 | | | | | Average | 2.75 | Average | 2.75 | Average | 2.75 | Max | 2.75 | UL | 2.85 | 2.85 | 2.85 |
| Std Dev | | 0.000 | 0.000 | 0.000 | | | | | Max | 2.75 | Max | 2.75 | Average | 2.75 | Max | 2.75 | UL | 2.85 | 2.85 | 2.85 |



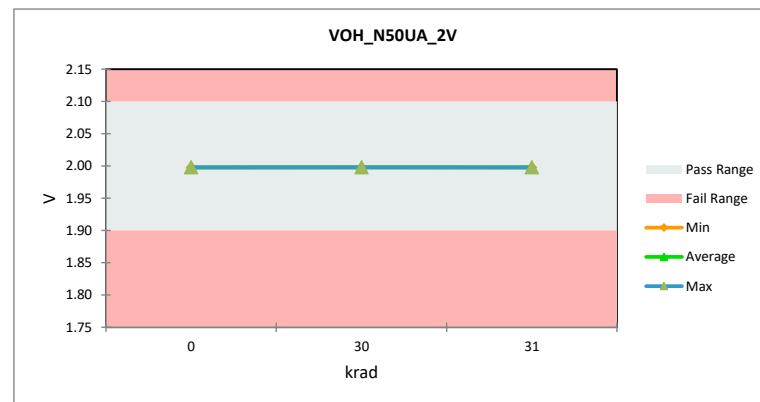
TID Report

SN54SC4T32-SEP

| VOH_N50UA_2V | | | | | | |
|--------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 2.1 | | | | | |
| Min Limit | 1.9 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 1.998 | 1.998 | 0.00 | 0.00% | 0.03% |
| 0 | 2 | 1.998 | 1.998 | 0.00 | -0.01% | 0.14% |
| 0 | 3 | 1.998 | 1.998 | 0.00 | 0.01% | 0.08% |
| 0 | 4 | 1.998 | 1.998 | 0.00 | 0.00% | 0.01% |
| 30 | 5 | 1.998 | 1.998 | 0.00 | -0.01% | 0.12% |
| 30 | 6 | 1.998 | 1.998 | 0.00 | -0.01% | 0.08% |
| 30 | 7 | 1.998 | 1.998 | 0.00 | 0.00% | 0.02% |
| 30 | 8 | 1.998 | 1.998 | 0.00 | 0.00% | 0.03% |
| 30 | 9 | 1.998 | 1.998 | 0.00 | 0.00% | 0.05% |
| 30 | 10 | 1.998 | 1.998 | 0.00 | 0.01% | 0.07% |
| 31 | 11 | 1.998 | 1.998 | 0.00 | -0.01% | 0.09% |
| 31 | 12 | 1.998 | 1.998 | 0.00 | -0.01% | 0.12% |
| 31 | 13 | 1.998 | 1.998 | 0.00 | 0.00% | 0.05% |
| 31 | 14 | 1.998 | 1.998 | 0.00 | -0.01% | 0.10% |
| 31 | 15 | 1.998 | 1.998 | 0.00 | -0.01% | 0.06% |
| 31 | 16 | 1.998 | 1.998 | 0.00 | 0.00% | 0.03% |
| Max | | 1.998 | 1.998 | 0.00 | 0.01% | 0.14% |
| Average | | 1.998 | 1.998 | 0.00 | 0.00% | 0.07% |
| Min | | 1.998 | 1.998 | 0.00 | -0.01% | 0.01% |
| Std Dev | | 0.000 | 0.000 | 0.00 | 0.01% | 0.04% |



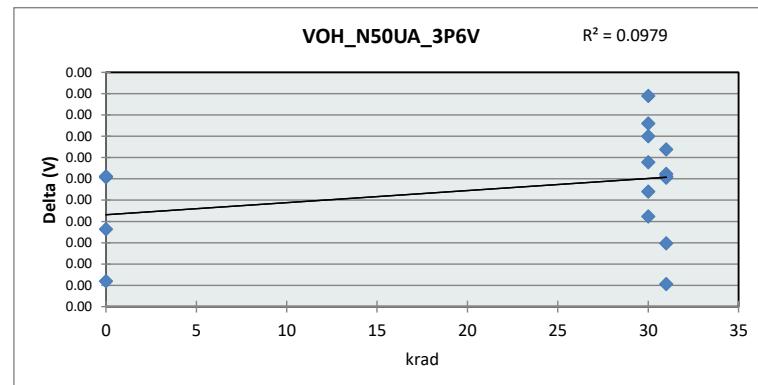
| VOH_N50UA_2V | | | | | | |
|--------------|----------|------|------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 2.1 | | | | | |
| Min Limit | 1.9 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | 1.90 | 1.90 | 1.90 | | | |
| Min | 2.00 | 2.00 | 2.00 | | | |
| Average | 2.00 | 2.00 | 2.00 | | | |
| Max | 2.00 | 2.00 | 2.00 | | | |
| UL | 2.10 | 2.10 | 2.10 | | | |



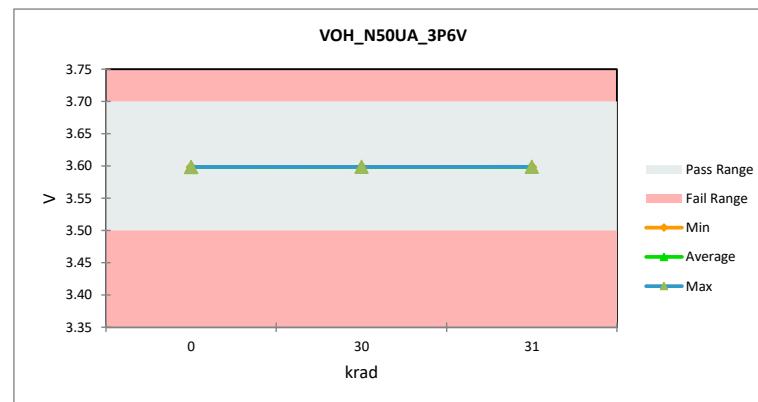
TID Report

SN54SC4T32-SEP

| VOH_N50UA_3P6V | | | | | | |
|----------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 3.7 | | | | | |
| Min Limit | 3.5 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 3.599 | 3.598 | 0.00 | 0.00% | 0.05% |
| 0 | 2 | 3.599 | 3.598 | 0.00 | -0.01% | 0.17% |
| 0 | 3 | 3.599 | 3.598 | 0.00 | -0.01% | 0.11% |
| 0 | 4 | 3.599 | 3.598 | 0.00 | 0.00% | 0.05% |
| 30 | 5 | 3.599 | 3.598 | 0.00 | 0.00% | 0.06% |
| 30 | 6 | 3.598 | 3.598 | 0.00 | 0.00% | 0.01% |
| 30 | 7 | 3.598 | 3.598 | 0.00 | 0.00% | 0.05% |
| 30 | 8 | 3.599 | 3.599 | 0.00 | 0.00% | 0.00% |
| 30 | 9 | 3.599 | 3.599 | 0.00 | 0.00% | 0.03% |
| 30 | 10 | 3.599 | 3.598 | 0.00 | -0.01% | 0.09% |
| 31 | 11 | 3.599 | 3.598 | 0.00 | 0.00% | 0.05% |
| 31 | 12 | 3.598 | 3.598 | 0.00 | 0.00% | 0.02% |
| 31 | 13 | 3.598 | 3.598 | 0.00 | 0.00% | 0.04% |
| 31 | 14 | 3.599 | 3.598 | 0.00 | 0.00% | 0.05% |
| 31 | 15 | 3.599 | 3.598 | 0.00 | -0.01% | 0.17% |
| 31 | 16 | 3.599 | 3.598 | 0.00 | -0.01% | 0.13% |
| Max | | 3.599 | 3.599 | 0.00 | 0.00% | 0.17% |
| Average | | 3.599 | 3.598 | 0.00 | 0.00% | 0.07% |
| Min | | 3.598 | 3.598 | 0.00 | -0.01% | 0.00% |
| Std Dev | | 0.000 | 0.000 | 0.00 | 0.00% | 0.05% |



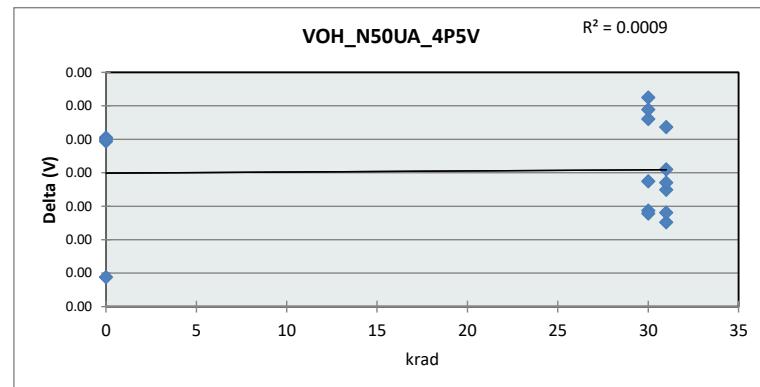
| VOH_N50UA_3P6V | | | | | | |
|----------------|----------|------|------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 3.7 | | | | | |
| Min Limit | 3.5 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | 3.50 | 3.50 | 3.50 | | | |
| Min | 3.60 | 3.60 | 3.60 | | | |
| Average | 3.60 | 3.60 | 3.60 | | | |
| Max | 3.60 | 3.60 | 3.60 | | | |
| UL | 3.70 | 3.70 | 3.70 | | | |



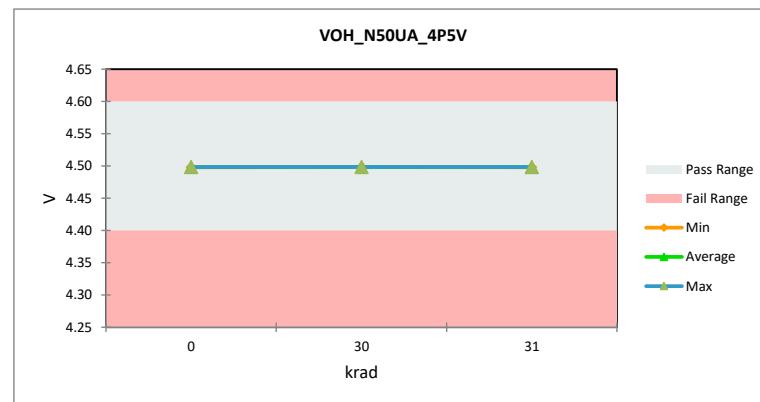
TID Report

SN54SC4T32-SEP

| VOH_N50UA_4P5V | | | | | | |
|----------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 4.6 | | | | | |
| Min Limit | 4.4 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 4.498 | 4.498 | 0.00 | 0.00% | 0.00% |
| 0 | 2 | 4.498 | 4.498 | 0.00 | -0.01% | 0.21% |
| 0 | 3 | 4.498 | 4.498 | 0.00 | 0.00% | 0.00% |
| 0 | 4 | 4.498 | 4.498 | 0.00 | 0.00% | 0.00% |
| 30 | 5 | 4.498 | 4.498 | 0.00 | 0.00% | 0.03% |
| 30 | 6 | 4.498 | 4.498 | 0.00 | 0.00% | 0.11% |
| 30 | 7 | 4.498 | 4.498 | 0.00 | 0.00% | 0.06% |
| 30 | 8 | 4.498 | 4.498 | 0.00 | 0.00% | 0.11% |
| 30 | 9 | 4.498 | 4.498 | 0.00 | 0.00% | 0.06% |
| 30 | 10 | 4.498 | 4.498 | 0.00 | 0.00% | 0.04% |
| 31 | 11 | 4.498 | 4.498 | 0.00 | 0.00% | 0.05% |
| 31 | 12 | 4.498 | 4.498 | 0.00 | 0.00% | 0.08% |
| 31 | 13 | 4.498 | 4.498 | 0.00 | 0.00% | 0.02% |
| 31 | 14 | 4.498 | 4.498 | 0.00 | -0.01% | 0.12% |
| 31 | 15 | 4.498 | 4.498 | 0.00 | 0.00% | 0.11% |
| 31 | 16 | 4.498 | 4.498 | 0.00 | 0.00% | 0.06% |
| Max | | 4.498 | 4.498 | 0.00 | 0.00% | 0.21% |
| Average | | 4.498 | 4.498 | 0.00 | 0.00% | 0.07% |
| Min | | 4.498 | 4.498 | 0.00 | -0.01% | 0.00% |
| Std Dev | | 0.000 | 0.000 | 0.00 | 0.00% | 0.06% |



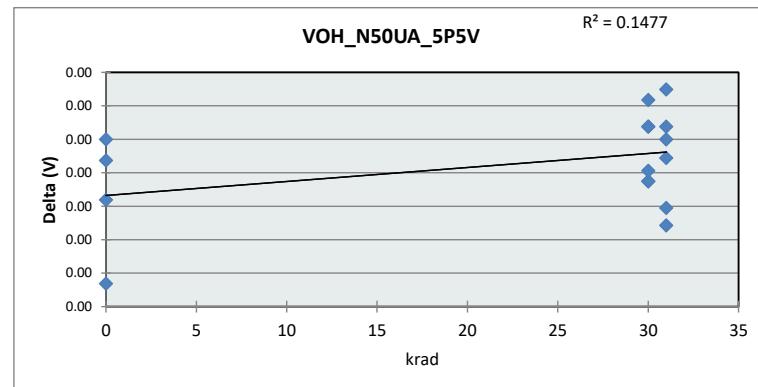
| VOH_N50UA_4P5V | | | | | | |
|----------------|----------|------|------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 4.6 | | | | | |
| Min Limit | 4.4 | | | | | |
| Max | 0 | 30 | 31 | | | |
| LL | 4.40 | 4.40 | 4.40 | | | |
| Min | 4.50 | 4.50 | 4.50 | | | |
| Average | 4.50 | 4.50 | 4.50 | | | |
| Max | 4.50 | 4.50 | 4.50 | | | |
| UL | 4.60 | 4.60 | 4.60 | | | |



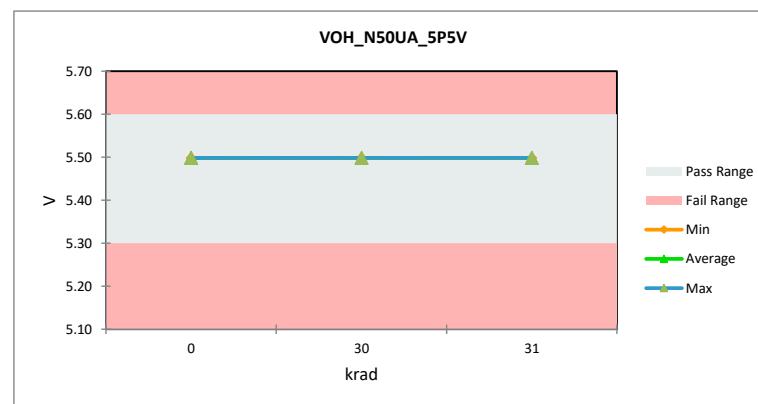
TID Report

SN54SC4T32-SEP

| VOH_N50UA_5P5V | | | | | | |
|----------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 5.6 | | | | | |
| Min Limit | 5.3 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 5.498 | 5.498 | 0.00 | 0.00% | 0.00% |
| 0 | 2 | 5.498 | 5.498 | 0.00 | -0.01% | 0.14% |
| 0 | 3 | 5.498 | 5.498 | 0.00 | 0.00% | 0.06% |
| 0 | 4 | 5.498 | 5.498 | 0.00 | 0.00% | 0.02% |
| 30 | 5 | 5.498 | 5.498 | 0.00 | 0.00% | 0.04% |
| 30 | 6 | 5.498 | 5.498 | 0.00 | 0.00% | 0.04% |
| 30 | 7 | 5.498 | 5.498 | 0.00 | 0.00% | 0.04% |
| 30 | 8 | 5.498 | 5.498 | 0.00 | 0.00% | 0.01% |
| 30 | 9 | 5.498 | 5.498 | 0.00 | 0.00% | 0.03% |
| 30 | 10 | 5.498 | 5.498 | 0.00 | 0.00% | 0.01% |
| 31 | 11 | 5.498 | 5.498 | 0.00 | 0.00% | 0.09% |
| 31 | 12 | 5.498 | 5.498 | 0.00 | 0.00% | 0.01% |
| 31 | 13 | 5.498 | 5.498 | 0.00 | 0.00% | 0.05% |
| 31 | 14 | 5.498 | 5.498 | 0.00 | 0.00% | 0.02% |
| 31 | 15 | 5.498 | 5.498 | 0.00 | 0.00% | 0.00% |
| 31 | 16 | 5.498 | 5.498 | 0.00 | 0.00% | 0.07% |
| | | Max | 5.498 | 5.498 | 0.00 | 0.00% |
| | | Average | 5.498 | 5.498 | 0.00 | 0.00% |
| | | Min | 5.498 | 5.498 | 0.00 | -0.01% |
| | | Std Dev | 0.000 | 0.000 | 0.00% | 0.04% |



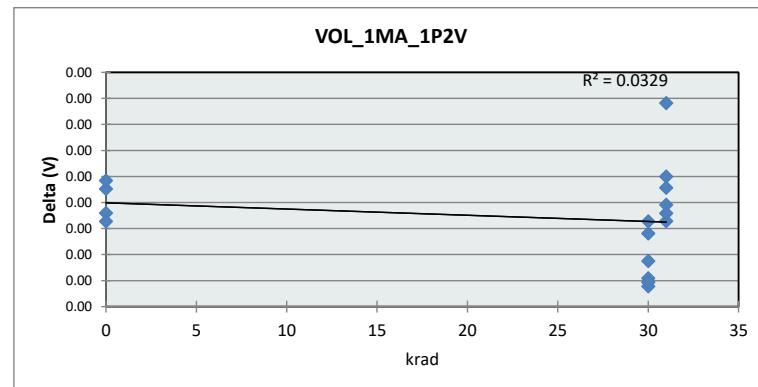
| VOH_N50UA_5P5V | | | |
|----------------|----------|------|------|
| Test Site | CLAB | | |
| Tester | ETS88-01 | | |
| Test Number | EQ774601 | | |
| Units | V | | |
| Max Limit | 5.6 | | |
| Min Limit | 5.3 | | |
| krad | 0 | 30 | 31 |
| LL | 5.30 | 5.30 | 5.30 |
| Min | 5.50 | 5.50 | 5.50 |
| Average | 5.50 | 5.50 | 5.50 |
| Max | 5.50 | 5.50 | 5.50 |
| UL | 5.60 | 5.60 | 5.60 |



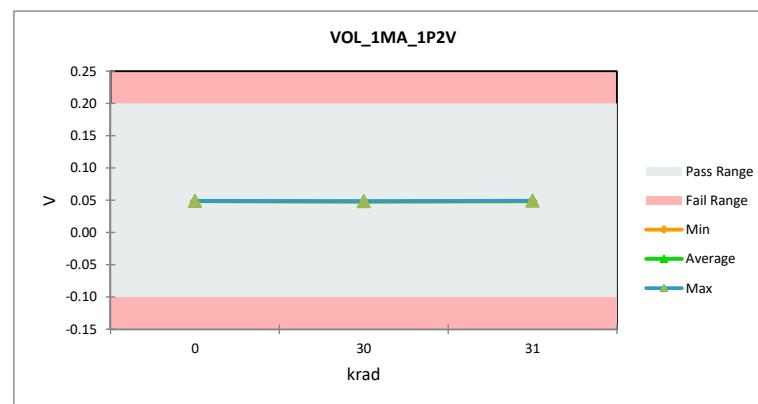
TID Report

SN54SC4T32-SEP

| VOL_1MA_1P2V | | | | | | |
|--------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.2 | | | | | |
| Min Limit | -0.1 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 0.049 | 0.048 | 0.00 | -0.20% | 0.03% |
| 0 | 2 | 0.049 | 0.049 | 0.00 | -0.06% | 0.01% |
| 0 | 3 | 0.049 | 0.049 | 0.00 | -0.58% | 0.09% |
| 0 | 4 | 0.049 | 0.048 | 0.00 | -0.71% | 0.11% |
| 30 | 5 | 0.048 | 0.048 | 0.00 | -1.61% | 0.26% |
| 30 | 6 | 0.048 | 0.048 | 0.00 | -1.74% | 0.28% |
| 30 | 7 | 0.049 | 0.048 | 0.00 | -1.66% | 0.27% |
| 30 | 8 | 0.049 | 0.048 | 0.00 | -0.90% | 0.15% |
| 30 | 9 | 0.049 | 0.049 | 0.00 | -0.71% | 0.12% |
| 30 | 10 | 0.049 | 0.048 | 0.00 | -1.34% | 0.22% |
| 31 | 11 | 0.048 | 0.048 | 0.00 | 0.00% | 0.00% |
| 31 | 12 | 0.048 | 0.048 | 0.00 | -0.71% | 0.11% |
| 31 | 13 | 0.049 | 0.049 | 0.00 | -0.44% | 0.07% |
| 31 | 14 | 0.049 | 0.049 | 0.00 | 1.16% | 0.19% |
| 31 | 15 | 0.049 | 0.049 | 0.00 | -0.58% | 0.09% |
| 31 | 16 | 0.049 | 0.048 | 0.00 | -0.18% | 0.03% |
| Max | | 0.049 | 0.049 | 0.00 | 1.16% | 0.28% |
| Average | | 0.049 | 0.048 | 0.00 | -0.64% | 0.13% |
| Min | | 0.048 | 0.048 | 0.00 | -1.74% | 0.00% |
| Std Dev | | 0.000 | 0.000 | 0.00 | 0.74% | 0.09% |



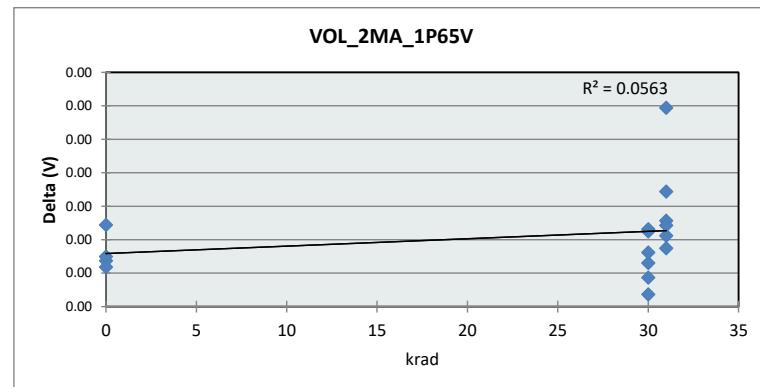
| VOL_1MA_1P2V | | | | | | |
|--------------|----------|-------|-------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.2 | | | | | |
| Min Limit | -0.1 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | -0.10 | -0.10 | -0.10 | | | |
| Min | 0.05 | 0.05 | 0.05 | | | |
| Average | 0.05 | 0.05 | 0.05 | | | |
| Max | 0.05 | 0.05 | 0.05 | | | |
| UL | 0.20 | 0.20 | 0.20 | | | |



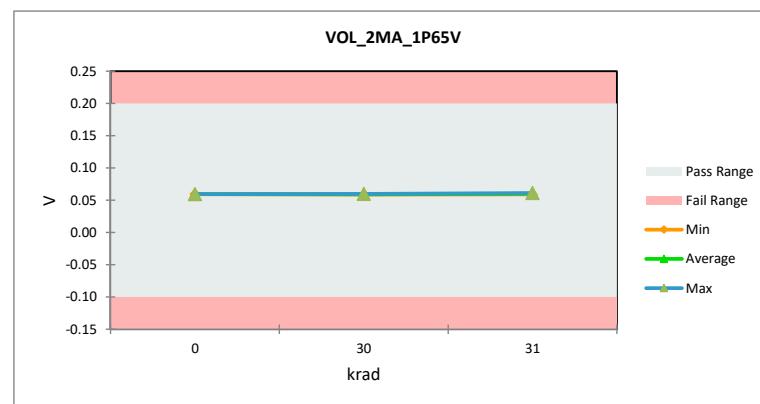
TID Report

SN54SC4T32-SEP

| VOL_2MA_1P65V | | | | | | |
|---------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.2 | | | | | |
| Min Limit | -0.1 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 0.059 | 0.059 | 0.00 | 0.37% | 0.07% |
| 0 | 2 | 0.060 | 0.059 | 0.00 | -0.52% | 0.10% |
| 0 | 3 | 0.060 | 0.059 | 0.00 | -0.42% | 0.08% |
| 0 | 4 | 0.060 | 0.059 | 0.00 | -0.68% | 0.14% |
| 30 | 5 | 0.059 | 0.059 | 0.00 | -0.59% | 0.12% |
| 30 | 6 | 0.059 | 0.059 | 0.00 | -0.95% | 0.19% |
| 30 | 7 | 0.060 | 0.059 | 0.00 | -1.36% | 0.27% |
| 30 | 8 | 0.059 | 0.059 | 0.00 | 0.21% | 0.04% |
| 30 | 9 | 0.060 | 0.060 | 0.00 | 0.26% | 0.05% |
| 30 | 10 | 0.059 | 0.059 | 0.00 | -0.32% | 0.06% |
| 31 | 11 | 0.059 | 0.060 | 0.00 | 1.21% | 0.24% |
| 31 | 12 | 0.059 | 0.059 | 0.00 | -0.21% | 0.04% |
| 31 | 13 | 0.060 | 0.060 | 0.00 | 0.10% | 0.02% |
| 31 | 14 | 0.059 | 0.061 | 0.00 | 3.33% | 0.66% |
| 31 | 15 | 0.060 | 0.060 | 0.00 | 0.47% | 0.09% |
| 31 | 16 | 0.059 | 0.059 | 0.00 | 0.36% | 0.07% |
| Max | | 0.060 | 0.061 | 0.00 | 3.33% | 0.66% |
| Average | | 0.059 | 0.060 | 0.00 | 0.08% | 0.14% |
| Min | | 0.059 | 0.059 | 0.00 | -1.36% | 0.02% |
| Std Dev | | 0.000 | 0.001 | 0.00 | 1.07% | 0.15% |



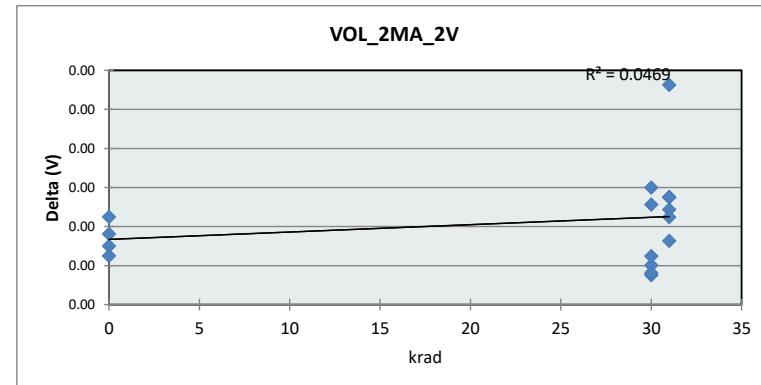
| VOL_2MA_1P65V | | | | | | |
|---------------|----------|-------|-------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.2 | | | | | |
| Min Limit | -0.1 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | -0.10 | -0.10 | -0.10 | | | |
| Min | 0.06 | 0.06 | 0.06 | | | |
| Average | 0.06 | 0.06 | 0.06 | | | |
| Max | 0.06 | 0.06 | 0.06 | | | |
| UL | 0.20 | 0.20 | 0.20 | | | |



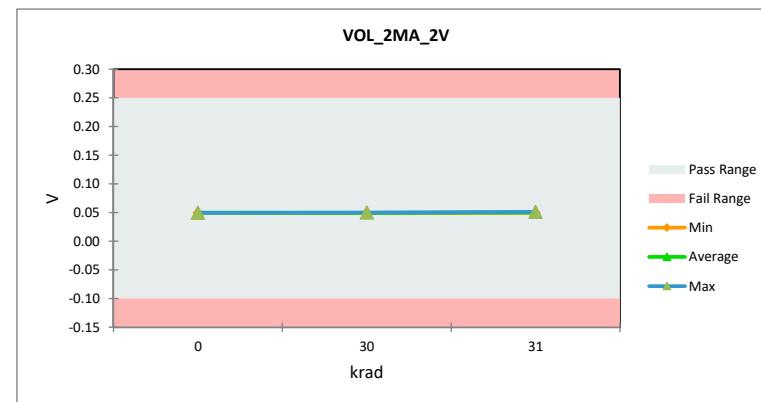
TID Report

SN54SC4T32-SEP

| VOL_2MA_2V | | | | | | |
|-------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.25 | | | | | |
| Min Limit | -0.1 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 0.049 | 0.049 | 0.00 | 0.25% | 0.04% |
| 0 | 2 | 0.050 | 0.049 | 0.00 | -0.75% | 0.11% |
| 0 | 3 | 0.050 | 0.050 | 0.00 | -0.19% | 0.03% |
| 0 | 4 | 0.050 | 0.049 | 0.00 | -0.50% | 0.07% |
| 30 | 5 | 0.050 | 0.049 | 0.00 | -1.00% | 0.14% |
| 30 | 6 | 0.050 | 0.049 | 0.00 | -1.26% | 0.18% |
| 30 | 7 | 0.050 | 0.049 | 0.00 | -1.19% | 0.17% |
| 30 | 8 | 0.049 | 0.050 | 0.00 | 0.57% | 0.08% |
| 30 | 9 | 0.050 | 0.050 | 0.00 | 1.01% | 0.14% |
| 30 | 10 | 0.049 | 0.049 | 0.00 | -0.76% | 0.11% |
| 31 | 11 | 0.050 | 0.050 | 0.00 | 0.76% | 0.11% |
| 31 | 12 | 0.050 | 0.049 | 0.00 | -0.37% | 0.05% |
| 31 | 13 | 0.050 | 0.050 | 0.00 | 0.44% | 0.06% |
| 31 | 14 | 0.049 | 0.051 | 0.00 | 3.67% | 0.52% |
| 31 | 15 | 0.050 | 0.050 | 0.00 | 0.75% | 0.11% |
| 31 | 16 | 0.049 | 0.050 | 0.00 | 0.25% | 0.03% |
| Max | | 0.050 | 0.051 | 0.00 | 3.67% | 0.52% |
| Average | | 0.050 | 0.050 | 0.00 | 0.10% | 0.12% |
| Min | | 0.049 | 0.049 | 0.00 | -1.26% | 0.03% |
| Std Dev | | 0.000 | 0.001 | 0.00 | 1.20% | 0.12% |



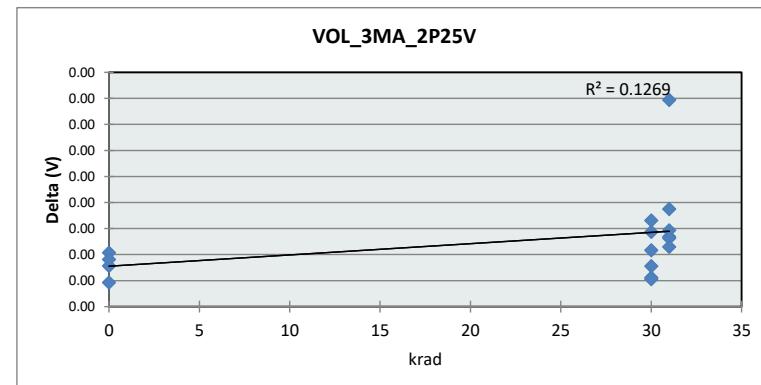
| VOL_2MA_2V | | | | | | |
|-------------|----------|-------|-------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.25 | | | | | |
| Min Limit | -0.1 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | -0.10 | -0.10 | -0.10 | | | |
| Min | 0.05 | 0.05 | 0.05 | | | |
| Average | 0.05 | 0.05 | 0.05 | | | |
| Max | 0.05 | 0.05 | 0.05 | | | |
| UL | 0.25 | 0.25 | 0.25 | | | |



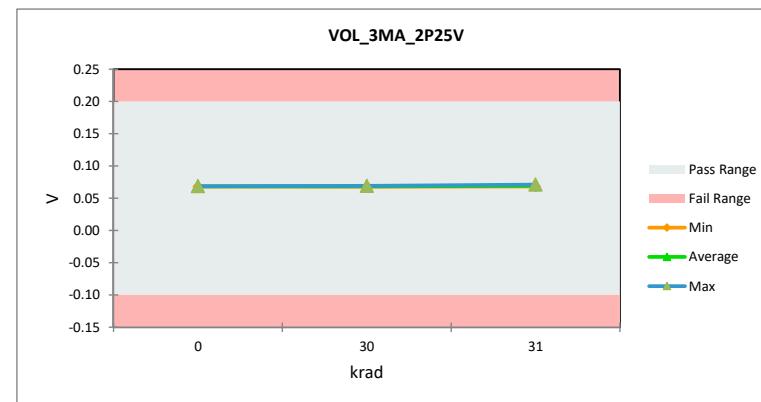
TID Report

SN54SC4T32-SEP

| VOL_3MA_2P25V | | | | | | |
|---------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.2 | | | | | |
| Min Limit | -0.1 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 0.068 | 0.068 | 0.00 | 0.05% | 0.01% |
| 0 | 2 | 0.068 | 0.068 | 0.00 | -0.32% | 0.07% |
| 0 | 3 | 0.069 | 0.069 | 0.00 | -0.14% | 0.03% |
| 0 | 4 | 0.069 | 0.068 | 0.00 | -0.78% | 0.18% |
| 30 | 5 | 0.069 | 0.068 | 0.00 | -0.64% | 0.15% |
| 30 | 6 | 0.068 | 0.068 | 0.00 | -0.33% | 0.07% |
| 30 | 7 | 0.069 | 0.068 | 0.00 | -0.69% | 0.16% |
| 30 | 8 | 0.068 | 0.069 | 0.00 | 0.64% | 0.15% |
| 30 | 9 | 0.069 | 0.069 | 0.00 | 0.96% | 0.22% |
| 30 | 10 | 0.068 | 0.068 | 0.00 | 0.13% | 0.03% |
| 31 | 11 | 0.069 | 0.070 | 0.00 | 1.28% | 0.29% |
| 31 | 12 | 0.068 | 0.068 | 0.00 | 0.50% | 0.11% |
| 31 | 13 | 0.069 | 0.069 | 0.00 | 0.68% | 0.16% |
| 31 | 14 | 0.068 | 0.071 | 0.00 | 4.36% | 0.99% |
| 31 | 15 | 0.069 | 0.069 | 0.00 | 0.46% | 0.11% |
| 31 | 16 | 0.068 | 0.068 | 0.00 | 0.22% | 0.05% |
| Max | | 0.069 | 0.071 | 0.00 | 4.36% | 0.99% |
| Average | | 0.068 | 0.069 | 0.00 | 0.40% | 0.17% |
| Min | | 0.068 | 0.068 | 0.00 | -0.78% | 0.01% |
| Std Dev | | 0.000 | 0.001 | 0.00 | 1.22% | 0.23% |



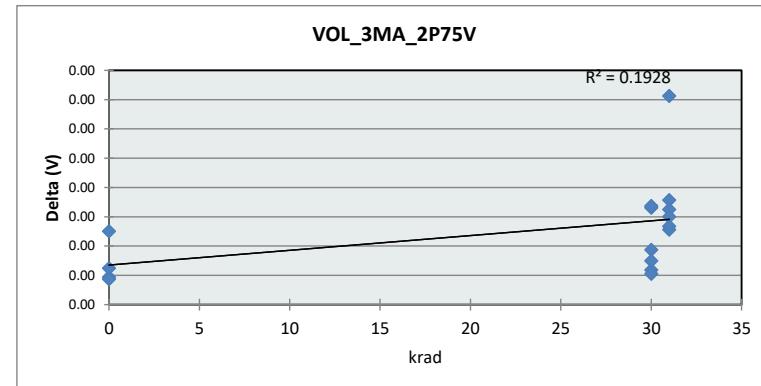
| VOL_3MA_2P25V | | | | | | |
|---------------|----------|-------|-------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.2 | | | | | |
| Min Limit | -0.1 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | -0.10 | -0.10 | -0.10 | | | |
| Min | 0.07 | 0.07 | 0.07 | | | |
| Average | 0.07 | 0.07 | 0.07 | | | |
| Max | 0.07 | 0.07 | 0.07 | | | |
| UL | 0.20 | 0.20 | 0.20 | | | |



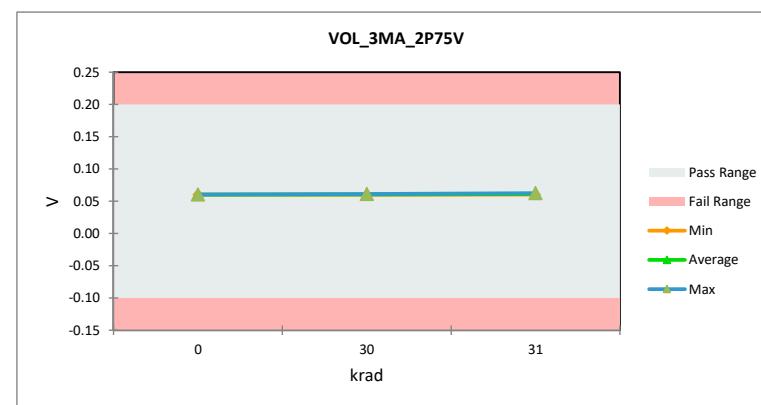
TID Report

SN54SC4T32-SEP

| VOL_3MA_2P75V | | | | | | |
|---------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.2 | | | | | |
| Min Limit | -0.1 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 0.060 | 0.060 | 0.00 | 0.42% | 0.08% |
| 0 | 2 | 0.061 | 0.060 | 0.00 | -0.88% | 0.18% |
| 0 | 3 | 0.061 | 0.060 | 0.00 | -0.62% | 0.13% |
| 0 | 4 | 0.061 | 0.060 | 0.00 | -0.93% | 0.19% |
| 30 | 5 | 0.061 | 0.060 | 0.00 | -0.67% | 0.14% |
| 30 | 6 | 0.060 | 0.060 | 0.00 | -0.11% | 0.02% |
| 30 | 7 | 0.061 | 0.060 | 0.00 | -0.78% | 0.16% |
| 30 | 8 | 0.060 | 0.061 | 0.00 | 1.10% | 0.22% |
| 30 | 9 | 0.060 | 0.061 | 0.00 | 1.14% | 0.23% |
| 30 | 10 | 0.060 | 0.060 | 0.00 | -0.42% | 0.08% |
| 31 | 11 | 0.061 | 0.061 | 0.00 | 1.29% | 0.26% |
| 31 | 12 | 0.060 | 0.060 | 0.00 | 0.47% | 0.09% |
| 31 | 13 | 0.061 | 0.061 | 0.00 | 1.03% | 0.21% |
| 31 | 14 | 0.060 | 0.062 | 0.00 | 4.28% | 0.85% |
| 31 | 15 | 0.060 | 0.061 | 0.00 | 0.83% | 0.17% |
| 31 | 16 | 0.060 | 0.061 | 0.00 | 0.56% | 0.11% |
| Max | | 0.061 | 0.062 | 0.00 | 4.28% | 0.85% |
| Average | | 0.060 | 0.061 | 0.00 | 0.42% | 0.19% |
| Min | | 0.060 | 0.060 | 0.00 | -0.93% | 0.02% |
| Std Dev | | 0.000 | 0.001 | 0.00 | 1.30% | 0.19% |



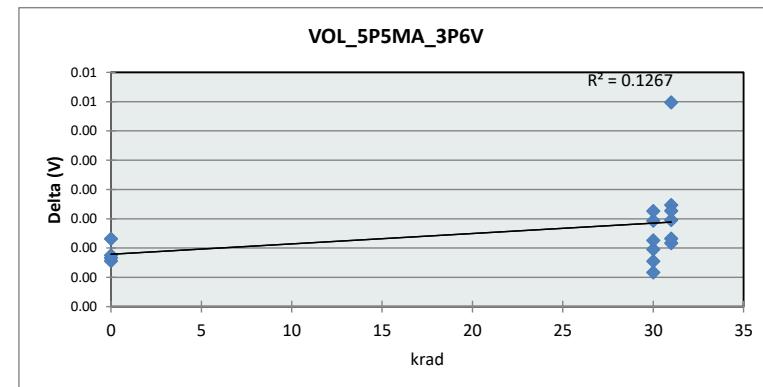
| VOL_3MA_2P75V | | | | | | |
|---------------|----------|-------|-------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.2 | | | | | |
| Min Limit | -0.1 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | -0.10 | -0.10 | -0.10 | | | |
| Min | 0.06 | 0.06 | 0.06 | | | |
| Average | 0.06 | 0.06 | 0.06 | | | |
| Max | 0.06 | 0.06 | 0.06 | | | |
| UL | 0.20 | 0.20 | 0.20 | | | |



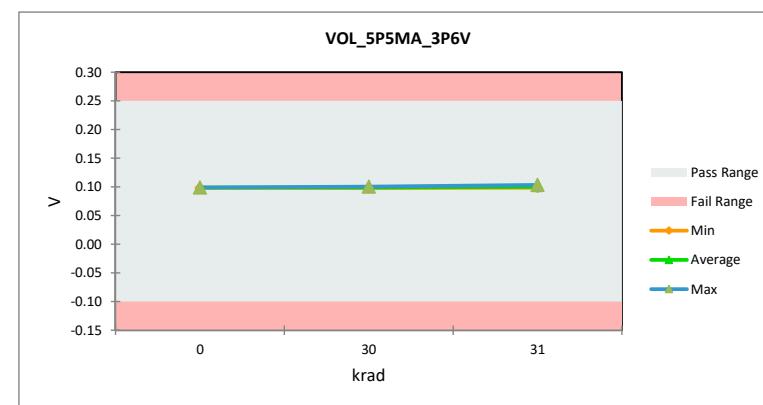
TID Report

SN54SC4T32-SEP

| VOL_5P5MA_3P6V | | | | | | |
|----------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.25 | | | | | |
| Min Limit | -0.1 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 0.098 | 0.098 | 0.00 | 0.32% | 0.09% |
| 0 | 2 | 0.099 | 0.099 | 0.00 | -0.44% | 0.13% |
| 0 | 3 | 0.099 | 0.099 | 0.00 | -0.35% | 0.10% |
| 0 | 4 | 0.099 | 0.099 | 0.00 | -0.25% | 0.07% |
| 30 | 5 | 0.099 | 0.098 | 0.00 | -0.84% | 0.24% |
| 30 | 6 | 0.098 | 0.098 | 0.00 | -0.04% | 0.01% |
| 30 | 7 | 0.099 | 0.099 | 0.00 | -0.45% | 0.13% |
| 30 | 8 | 0.098 | 0.099 | 0.00 | 0.95% | 0.27% |
| 30 | 9 | 0.099 | 0.100 | 0.00 | 1.27% | 0.36% |
| 30 | 10 | 0.098 | 0.098 | 0.00 | 0.27% | 0.08% |
| 31 | 11 | 0.099 | 0.101 | 0.00 | 1.48% | 0.42% |
| 31 | 12 | 0.098 | 0.099 | 0.00 | 0.98% | 0.27% |
| 31 | 13 | 0.099 | 0.100 | 0.00 | 1.28% | 0.36% |
| 31 | 14 | 0.098 | 0.103 | 0.00 | 5.05% | 1.42% |
| 31 | 15 | 0.099 | 0.099 | 0.00 | 0.17% | 0.05% |
| 31 | 16 | 0.098 | 0.098 | 0.00 | 0.33% | 0.09% |
| Max | | 0.099 | 0.103 | 0.00 | 5.05% | 1.42% |
| Average | | 0.099 | 0.099 | 0.00 | 0.61% | 0.26% |
| Min | | 0.098 | 0.098 | 0.00 | -0.84% | 0.01% |
| Std Dev | | 0.000 | 0.001 | 0.00 | 1.38% | 0.34% |



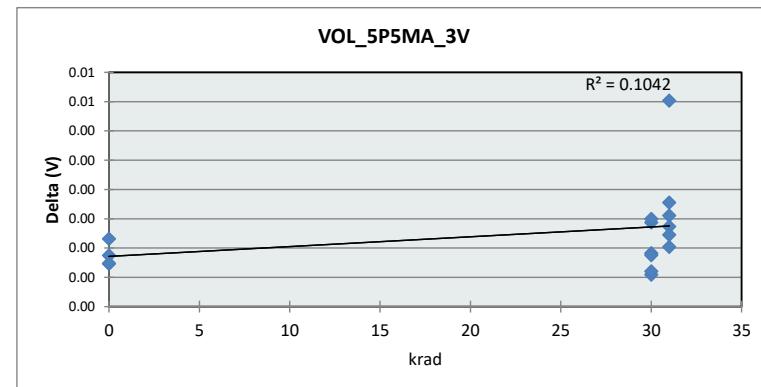
| VOL_5P5MA_3P6V | | | | | | |
|----------------|----------|-------|-------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.25 | | | | | |
| Min Limit | -0.1 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | -0.10 | -0.10 | -0.10 | | | |
| Min | 0.10 | 0.10 | 0.10 | | | |
| Average | 0.10 | 0.10 | 0.10 | | | |
| Max | 0.10 | 0.10 | 0.10 | | | |
| UL | 0.25 | 0.25 | 0.25 | | | |



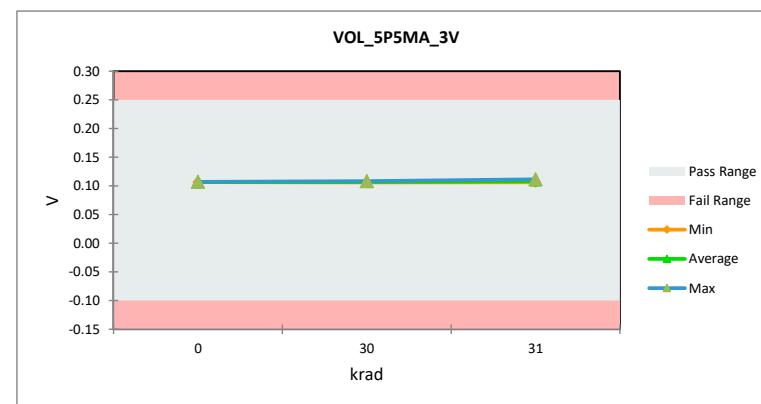
TID Report

SN54SC4T32-SEP

| VOL_5P5MA_3V | | | | | | |
|--------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.25 | | | | | |
| Min Limit | -0.1 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 0.106 | 0.107 | 0.00 | 0.29% | 0.09% |
| 0 | 2 | 0.107 | 0.107 | 0.00 | -0.50% | 0.15% |
| 0 | 3 | 0.107 | 0.107 | 0.00 | -0.23% | 0.07% |
| 0 | 4 | 0.107 | 0.107 | 0.00 | -0.49% | 0.15% |
| 30 | 5 | 0.107 | 0.106 | 0.00 | -0.85% | 0.26% |
| 30 | 6 | 0.106 | 0.106 | 0.00 | -0.16% | 0.05% |
| 30 | 7 | 0.107 | 0.106 | 0.00 | -0.74% | 0.23% |
| 30 | 8 | 0.106 | 0.107 | 0.00 | 0.82% | 0.25% |
| 30 | 9 | 0.107 | 0.108 | 0.00 | 0.93% | 0.29% |
| 30 | 10 | 0.106 | 0.106 | 0.00 | -0.23% | 0.07% |
| 31 | 11 | 0.107 | 0.108 | 0.00 | 1.45% | 0.44% |
| 31 | 12 | 0.106 | 0.107 | 0.00 | 0.69% | 0.21% |
| 31 | 13 | 0.107 | 0.108 | 0.00 | 1.04% | 0.32% |
| 31 | 14 | 0.106 | 0.111 | 0.01 | 4.73% | 1.44% |
| 31 | 15 | 0.107 | 0.108 | 0.00 | 0.42% | 0.13% |
| 31 | 16 | 0.106 | 0.106 | 0.00 | 0.04% | 0.01% |
| Max | | 0.107 | 0.111 | 0.00 | 4.73% | 1.44% |
| Average | | 0.107 | 0.107 | 0.00 | 0.45% | 0.26% |
| Min | | 0.106 | 0.106 | 0.00 | -0.85% | 0.01% |
| Std Dev | | 0.000 | 0.001 | 0.00 | 1.33% | 0.33% |



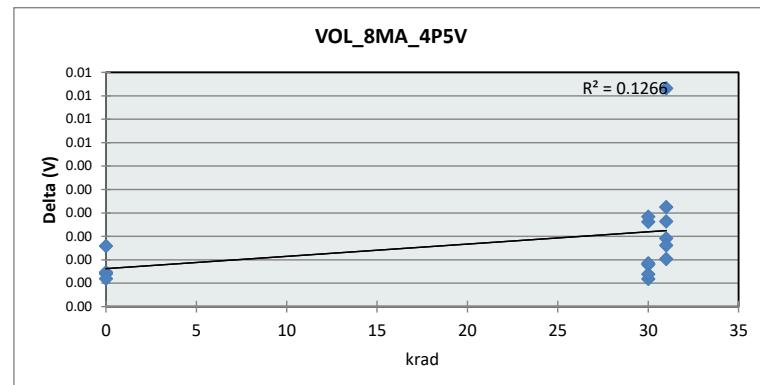
| VOL_5P5MA_3V | | | | | | |
|--------------|----------|-------|-------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.25 | | | | | |
| Min Limit | -0.1 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | -0.10 | -0.10 | -0.10 | | | |
| Min | 0.11 | 0.11 | 0.11 | | | |
| Average | 0.11 | 0.11 | 0.11 | | | |
| Max | 0.11 | 0.11 | 0.11 | | | |
| UL | 0.25 | 0.25 | 0.25 | | | |



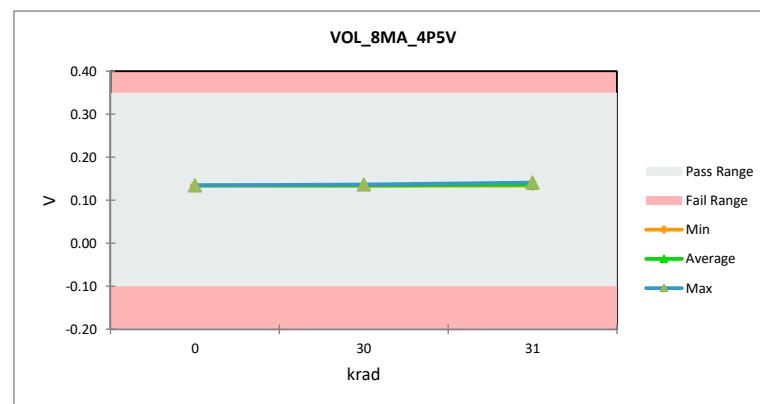
TID Report

SN54SC4T32-SEP

| VOL_8MA_4P5V | | | | | | |
|--------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.35 | | | | | |
| Min Limit | -0.1 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 0.134 | 0.134 | 0.00 | 0.44% | 0.13% |
| 0 | 2 | 0.135 | 0.134 | 0.00 | -0.44% | 0.13% |
| 0 | 3 | 0.135 | 0.135 | 0.00 | -0.39% | 0.12% |
| 0 | 4 | 0.135 | 0.134 | 0.00 | -0.59% | 0.18% |
| 30 | 5 | 0.135 | 0.134 | 0.00 | -0.60% | 0.18% |
| 30 | 6 | 0.134 | 0.133 | 0.00 | -0.16% | 0.05% |
| 30 | 7 | 0.135 | 0.134 | 0.00 | -0.46% | 0.14% |
| 30 | 8 | 0.134 | 0.135 | 0.00 | 1.22% | 0.36% |
| 30 | 9 | 0.135 | 0.136 | 0.00 | 1.37% | 0.41% |
| 30 | 10 | 0.134 | 0.134 | 0.00 | -0.11% | 0.03% |
| 31 | 11 | 0.135 | 0.137 | 0.00 | 1.67% | 0.50% |
| 31 | 12 | 0.134 | 0.134 | 0.00 | 0.69% | 0.20% |
| 31 | 13 | 0.135 | 0.136 | 0.00 | 1.21% | 0.36% |
| 31 | 14 | 0.134 | 0.141 | 0.01 | 5.47% | 1.63% |
| 31 | 15 | 0.135 | 0.135 | 0.00 | 0.46% | 0.14% |
| 31 | 16 | 0.134 | 0.134 | 0.00 | 0.02% | 0.01% |
| Max | | 0.135 | 0.141 | 0.01 | 5.47% | 1.63% |
| Average | | 0.134 | 0.135 | 0.00 | 0.61% | 0.29% |
| Min | | 0.134 | 0.133 | 0.00 | -0.60% | 0.01% |
| Std Dev | | 0.001 | 0.002 | 0.00 | 1.50% | 0.38% |



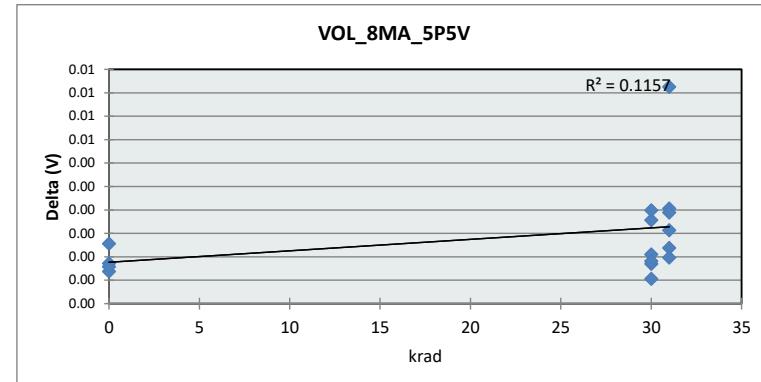
| VOL_8MA_4P5V | | | | | | |
|--------------|----------|-------|-------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.35 | | | | | |
| Min Limit | -0.1 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | -0.10 | -0.10 | -0.10 | | | |
| Min | 0.13 | 0.13 | 0.13 | | | |
| Average | 0.13 | 0.13 | 0.14 | | | |
| Max | 0.13 | 0.14 | 0.14 | | | |
| UL | 0.35 | 0.35 | 0.35 | | | |



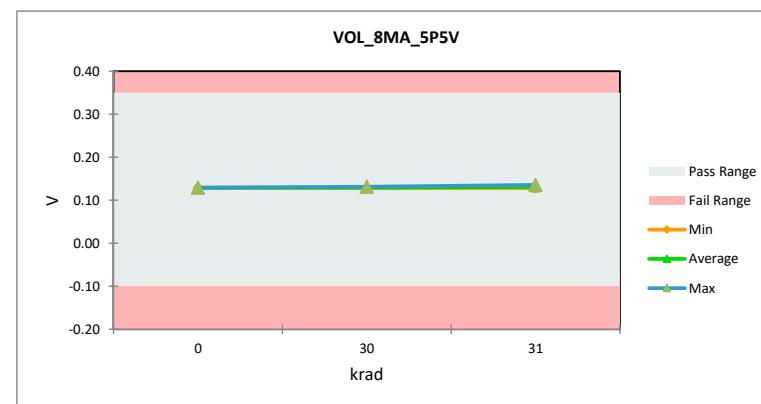
TID Report

SN54SC4T32-SEP

| VOL_8MA_5P5V | | | | | | |
|--------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.35 | | | | | |
| Min Limit | -0.1 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 0.128 | 0.129 | 0.00 | 0.44% | 0.13% |
| 0 | 2 | 0.129 | 0.129 | 0.00 | -0.48% | 0.14% |
| 0 | 3 | 0.130 | 0.129 | 0.00 | -0.22% | 0.06% |
| 0 | 4 | 0.129 | 0.129 | 0.00 | -0.33% | 0.09% |
| 30 | 5 | 0.129 | 0.128 | 0.00 | -0.73% | 0.21% |
| 30 | 6 | 0.128 | 0.128 | 0.00 | 0.08% | 0.02% |
| 30 | 7 | 0.129 | 0.129 | 0.00 | -0.23% | 0.07% |
| 30 | 8 | 0.128 | 0.130 | 0.00 | 1.22% | 0.35% |
| 30 | 9 | 0.129 | 0.131 | 0.00 | 1.53% | 0.44% |
| 30 | 10 | 0.128 | 0.128 | 0.00 | -0.14% | 0.04% |
| 31 | 11 | 0.129 | 0.131 | 0.00 | 1.59% | 0.46% |
| 31 | 12 | 0.128 | 0.129 | 0.00 | 0.89% | 0.25% |
| 31 | 13 | 0.129 | 0.131 | 0.00 | 1.46% | 0.42% |
| 31 | 14 | 0.128 | 0.136 | 0.01 | 5.66% | 1.61% |
| 31 | 15 | 0.129 | 0.130 | 0.00 | 0.29% | 0.08% |
| 31 | 16 | 0.128 | 0.128 | 0.00 | -0.02% | 0.01% |
| Max | | 0.130 | 0.136 | 0.01 | 5.66% | 1.61% |
| Average | | 0.129 | 0.130 | 0.00 | 0.69% | 0.27% |
| Min | | 0.128 | 0.128 | 0.00 | -0.73% | 0.01% |
| Std Dev | | 0.001 | 0.002 | 0.00 | 1.53% | 0.39% |



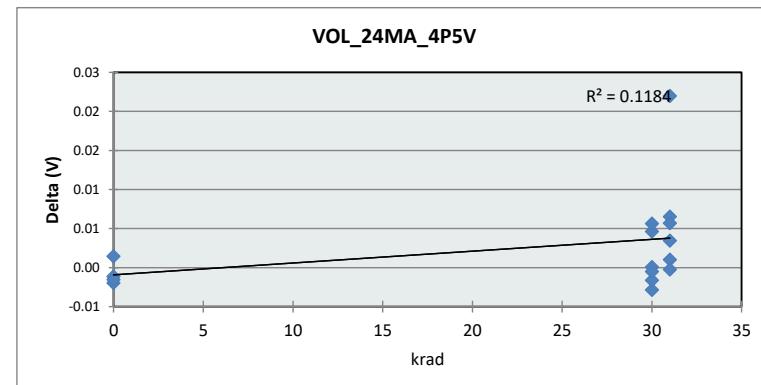
| VOL_8MA_5P5V | | | | | | |
|--------------|----------|-------|-------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.35 | | | | | |
| Min Limit | -0.1 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | -0.10 | -0.10 | -0.10 | | | |
| Min | 0.13 | 0.13 | 0.13 | | | |
| Average | 0.13 | 0.13 | 0.13 | | | |
| Max | 0.13 | 0.13 | 0.14 | | | |
| UL | 0.35 | 0.35 | 0.35 | | | |



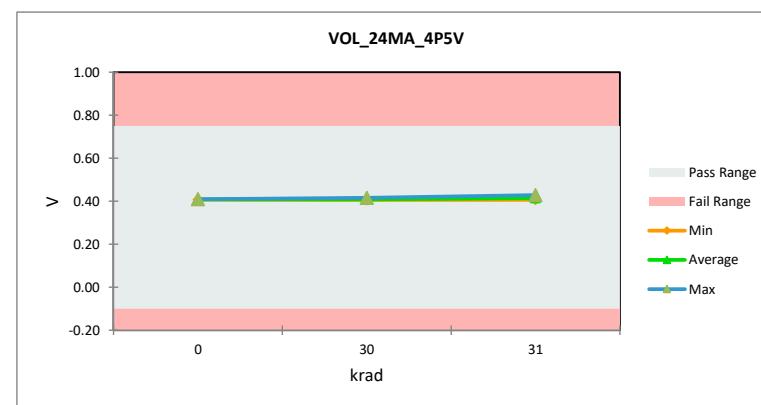
TID Report

SN54SC4T32-SEP

| VOL_24MA_4P5V | | | | | | |
|---------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.75 | | | | | |
| Min Limit | -0.1 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 0.406 | 0.408 | 0.00 | 0.35% | 0.17% |
| 0 | 2 | 0.410 | 0.408 | 0.00 | -0.48% | 0.23% |
| 0 | 3 | 0.410 | 0.409 | 0.00 | -0.27% | 0.13% |
| 0 | 4 | 0.409 | 0.408 | 0.00 | -0.37% | 0.18% |
| 30 | 5 | 0.409 | 0.406 | 0.00 | -0.70% | 0.33% |
| 30 | 6 | 0.406 | 0.406 | 0.00 | 0.02% | 0.01% |
| 30 | 7 | 0.409 | 0.408 | 0.00 | -0.40% | 0.19% |
| 30 | 8 | 0.406 | 0.411 | 0.00 | 1.14% | 0.54% |
| 30 | 9 | 0.410 | 0.415 | 0.01 | 1.37% | 0.66% |
| 30 | 10 | 0.406 | 0.406 | 0.00 | -0.12% | 0.06% |
| 31 | 11 | 0.409 | 0.416 | 0.01 | 1.60% | 0.77% |
| 31 | 12 | 0.406 | 0.409 | 0.00 | 0.85% | 0.41% |
| 31 | 13 | 0.409 | 0.415 | 0.01 | 1.39% | 0.67% |
| 31 | 14 | 0.406 | 0.428 | 0.02 | 5.41% | 2.59% |
| 31 | 15 | 0.410 | 0.411 | 0.00 | 0.25% | 0.12% |
| 31 | 16 | 0.406 | 0.406 | 0.00 | -0.06% | 0.03% |
| Max | | 0.410 | 0.428 | 0.02 | 5.41% | 2.59% |
| Average | | 0.408 | 0.411 | 0.00 | 0.62% | 0.44% |
| Min | | 0.406 | 0.406 | 0.00 | -0.70% | 0.01% |
| Std Dev | | 0.002 | 0.006 | 0.00 | 1.48% | 0.62% |



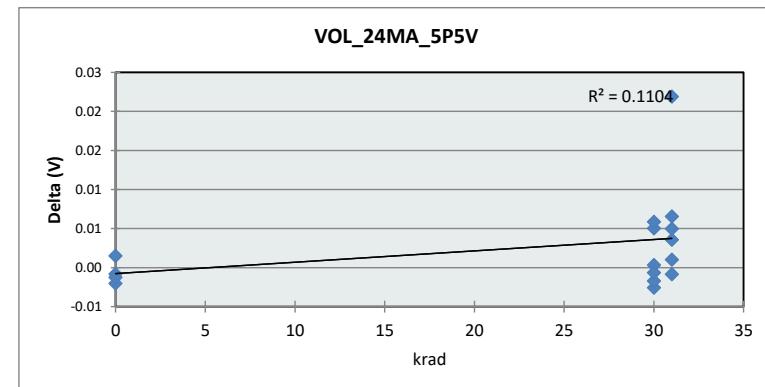
| VOL_24MA_4P5V | | | | | | |
|---------------|----------|-------|-------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.75 | | | | | |
| Min Limit | -0.1 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | -0.10 | -0.10 | -0.10 | | | |
| Min | 0.41 | 0.41 | 0.41 | | | |
| Average | 0.41 | 0.41 | 0.41 | | | |
| Max | 0.41 | 0.42 | 0.43 | | | |
| UL | 0.75 | 0.75 | 0.75 | | | |



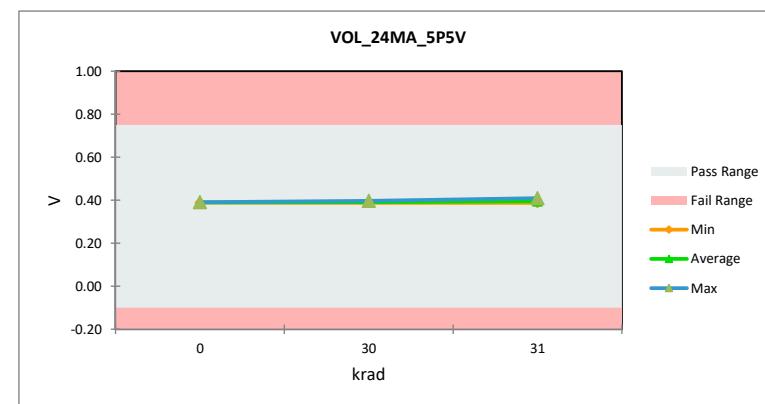
TID Report

SN54SC4T32-SEP

| VOL_24MA_5P5V | | | | | | |
|---------------|-----------|------------|-------------|-------|-----------|------------------|
| | Test Site | Tester | Test Number | Units | Max Limit | Min Limit |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 0.388 | 0.389 | 0.00 | 0.39% | 0.18% |
| 0 | 2 | 0.391 | 0.389 | 0.00 | -0.52% | 0.24% |
| 0 | 3 | 0.392 | 0.391 | 0.00 | -0.21% | 0.10% |
| 0 | 4 | 0.391 | 0.389 | 0.00 | -0.32% | 0.15% |
| 30 | 5 | 0.391 | 0.388 | 0.00 | -0.66% | 0.30% |
| 30 | 6 | 0.387 | 0.387 | 0.00 | 0.08% | 0.04% |
| 30 | 7 | 0.391 | 0.389 | 0.00 | -0.44% | 0.20% |
| 30 | 8 | 0.388 | 0.393 | 0.01 | 1.30% | 0.59% |
| 30 | 9 | 0.391 | 0.397 | 0.01 | 1.50% | 0.69% |
| 30 | 10 | 0.388 | 0.388 | 0.00 | -0.17% | 0.08% |
| 31 | 11 | 0.391 | 0.397 | 0.01 | 1.68% | 0.77% |
| 31 | 12 | 0.387 | 0.391 | 0.00 | 0.92% | 0.42% |
| 31 | 13 | 0.391 | 0.396 | 0.00 | 1.27% | 0.59% |
| 31 | 14 | 0.388 | 0.410 | 0.02 | 5.65% | 2.58% |
| 31 | 15 | 0.391 | 0.392 | 0.00 | 0.26% | 0.12% |
| 31 | 16 | 0.388 | 0.387 | 0.00 | -0.21% | 0.10% |
| Max | | 0.392 | 0.410 | 0.02 | 5.65% | 2.58% |
| Average | | 0.389 | 0.392 | 0.00 | 0.66% | 0.45% |
| Min | | 0.387 | 0.387 | 0.00 | -0.66% | 0.04% |
| Std Dev | | 0.002 | 0.006 | 0.00 | 1.54% | 0.62% |



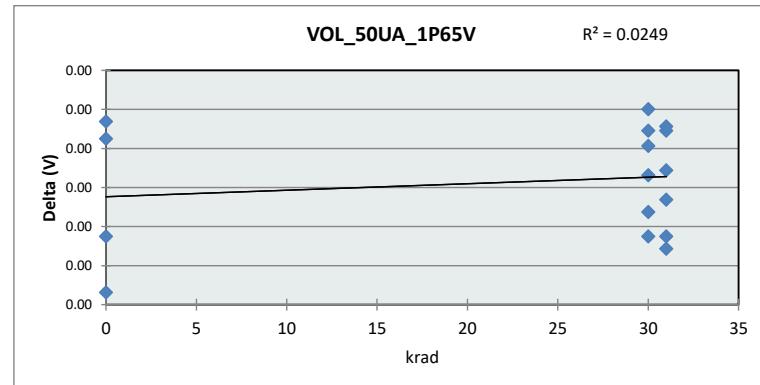
| VOL_24MA_5P5V | | | | | | |
|---------------|-----------|--------|-------------|-------|-----------|-----------|
| | Test Site | Tester | Test Number | Units | Max Limit | Min Limit |
| krad | 0 | 30 | 31 | LL | Min | Average |
| Max | 0.392 | 0.410 | 0.02 | -0.10 | -0.10 | -0.10 |
| Average | 0.389 | 0.392 | 0.00 | 0.39 | 0.39 | 0.39 |
| Min | 0.387 | 0.387 | 0.00 | 0.39 | 0.39 | 0.40 |
| Std Dev | 0.002 | 0.006 | 0.00 | 0.39 | 0.40 | 0.41 |
| | | | | UL | 0.75 | 0.75 |



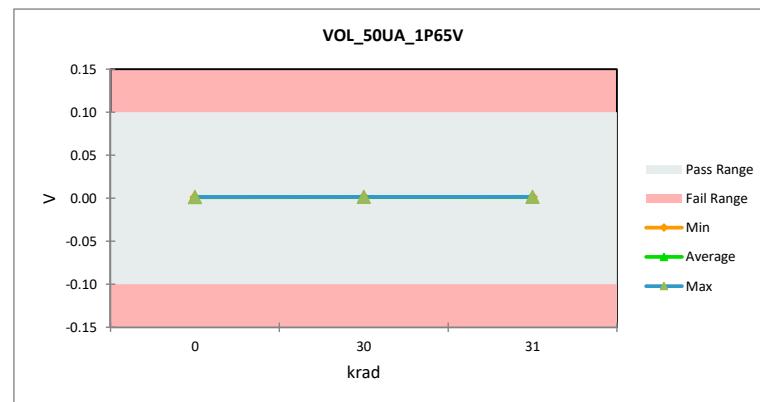
TID Report

SN54SC4T32-SEP

| VOL_50UA_1P65V | | | | | | |
|----------------|-----------|------------|-------------|-------|-----------|------------------|
| | Test Site | Tester | Test Number | Units | Max Limit | Min Limit |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 0.001 | 0.001 | 0.00 | 10.53% | 0.06% |
| 0 | 2 | 0.001 | 0.001 | 0.00 | -19.09% | 0.13% |
| 0 | 3 | 0.001 | 0.001 | 0.00 | 13.55% | 0.08% |
| 0 | 4 | 0.001 | 0.001 | 0.00 | -9.76% | 0.06% |
| 30 | 5 | 0.001 | 0.001 | 0.00 | -4.45% | 0.03% |
| 30 | 6 | 0.001 | 0.001 | 0.00 | -9.31% | 0.06% |
| 30 | 7 | 0.001 | 0.001 | 0.00 | 2.33% | 0.02% |
| 30 | 8 | 0.001 | 0.001 | 0.00 | 8.34% | 0.05% |
| 30 | 9 | 0.001 | 0.002 | 0.00 | 15.28% | 0.10% |
| 30 | 10 | 0.001 | 0.001 | 0.00 | 11.63% | 0.07% |
| 31 | 11 | 0.001 | 0.001 | 0.00 | -11.12% | 0.08% |
| 31 | 12 | 0.001 | 0.001 | 0.00 | -9.31% | 0.06% |
| 31 | 13 | 0.001 | 0.001 | 0.00 | 10.82% | 0.07% |
| 31 | 14 | 0.001 | 0.001 | 0.00 | -2.44% | 0.02% |
| 31 | 15 | 0.001 | 0.001 | 0.00 | 3.37% | 0.02% |
| 31 | 16 | 0.001 | 0.001 | 0.00 | 12.51% | 0.08% |
| Max | | 0.001 | 0.002 | 0.00 | 15.28% | 0.13% |
| Average | | 0.001 | 0.001 | 0.00 | 1.43% | 0.06% |
| Min | | 0.001 | 0.001 | 0.00 | -19.09% | 0.02% |
| Std Dev | | 0.000 | 0.000 | 0.00 | 10.87% | 0.03% |



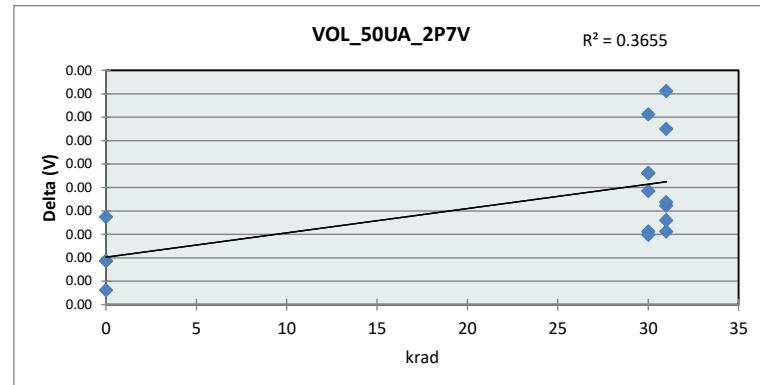
| VOL_50UA_1P65V | | | | | | |
|----------------|-----------|--------|-------------|-------|-----------|-----------|
| | Test Site | Tester | Test Number | Units | Max Limit | Min Limit |
| krad | 0 | 30 | 31 | | | |
| LL | -0.10 | -0.10 | -0.10 | | | |
| Min | 0.00 | 0.00 | 0.00 | | | |
| Average | 0.00 | 0.00 | 0.00 | | | |
| Max | 0.00 | 0.00 | 0.00 | | | |
| UL | 0.10 | 0.10 | 0.10 | | | |



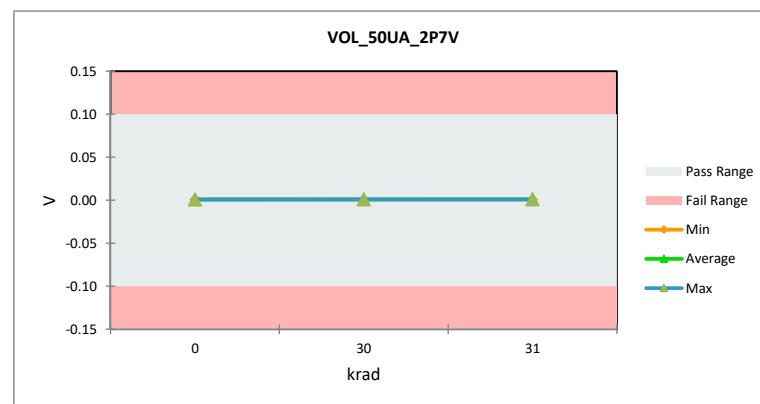
TID Report

SN54SC4T32-SEP

| VOL_50UA_2P7V | | | | | | |
|---------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.1 | | | | | |
| Min Limit | -0.1 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 0.001 | 0.001 | 0.00 | -14.97% | 0.08% |
| 0 | 2 | 0.001 | 0.001 | 0.00 | -15.93% | 0.08% |
| 0 | 3 | 0.001 | 0.001 | 0.00 | -21.61% | 0.11% |
| 0 | 4 | 0.001 | 0.001 | 0.00 | -6.80% | 0.03% |
| 30 | 5 | 0.001 | 0.001 | 0.00 | -8.98% | 0.05% |
| 30 | 6 | 0.001 | 0.001 | 0.00 | -10.22% | 0.05% |
| 30 | 7 | 0.001 | 0.001 | 0.00 | -0.82% | 0.00% |
| 30 | 8 | 0.001 | 0.001 | 0.00 | 3.79% | 0.02% |
| 30 | 9 | 0.001 | 0.001 | 0.00 | 3.29% | 0.02% |
| 30 | 10 | 0.001 | 0.001 | 0.00 | 19.69% | 0.08% |
| 31 | 11 | 0.001 | 0.001 | 0.00 | -8.98% | 0.05% |
| 31 | 12 | 0.001 | 0.001 | 0.00 | -7.06% | 0.03% |
| 31 | 13 | 0.001 | 0.001 | 0.00 | -4.31% | 0.02% |
| 31 | 14 | 0.001 | 0.001 | 0.00 | 24.94% | 0.10% |
| 31 | 15 | 0.001 | 0.001 | 0.00 | -3.29% | 0.02% |
| 31 | 16 | 0.001 | 0.001 | 0.00 | 15.75% | 0.06% |
| Max | | 0.001 | 0.001 | 0.00 | 24.94% | 0.11% |
| Average | | 0.001 | 0.001 | 0.00 | -2.22% | 0.05% |
| Min | | 0.001 | 0.001 | 0.00 | -21.61% | 0.00% |
| Std Dev | | 0.000 | 0.000 | 0.00 | 13.01% | 0.03% |



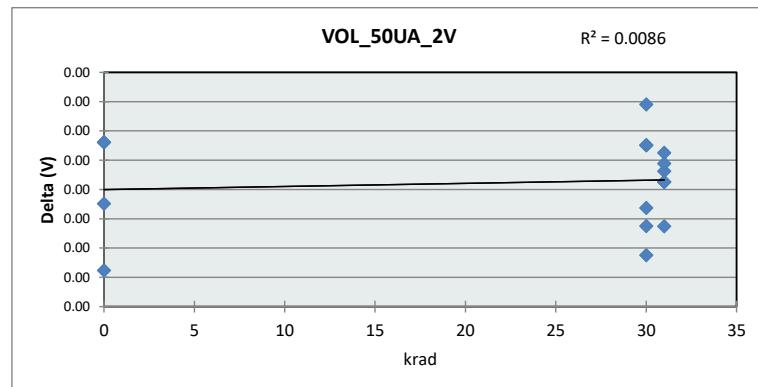
| VOL_50UA_2P7V | | | | | | |
|---------------|----------|-------|-------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.1 | | | | | |
| Min Limit | -0.1 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | -0.10 | -0.10 | -0.10 | | | |
| Min | 0.00 | 0.00 | 0.00 | | | |
| Average | 0.00 | 0.00 | 0.00 | | | |
| Max | 0.00 | 0.00 | 0.00 | | | |
| UL | 0.10 | 0.10 | 0.10 | | | |



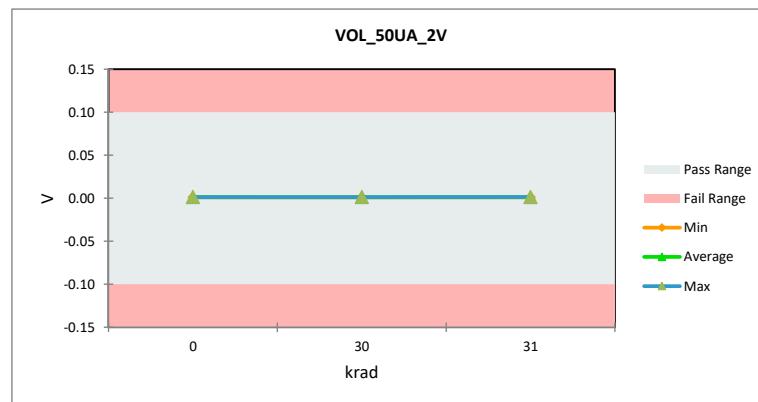
TID Report

SN54SC4T32-SEP

| VOL_50UA_2V | | | | | | |
|-------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.1 | | | | | |
| Min Limit | -0.1 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 0.001 | 0.001 | 0.00 | -11.21% | 0.07% |
| 0 | 2 | 0.001 | 0.001 | 0.00 | 7.10% | 0.04% |
| 0 | 3 | 0.001 | 0.001 | 0.00 | -2.10% | 0.01% |
| 0 | 4 | 0.001 | 0.001 | 0.00 | 7.97% | 0.04% |
| 30 | 5 | 0.001 | 0.001 | 0.00 | -2.78% | 0.02% |
| 30 | 6 | 0.001 | 0.001 | 0.00 | -9.43% | 0.06% |
| 30 | 7 | 0.001 | 0.001 | 0.00 | -5.21% | 0.03% |
| 30 | 8 | 0.001 | 0.001 | 0.00 | 6.72% | 0.04% |
| 30 | 9 | 0.001 | 0.001 | 0.00 | 13.30% | 0.07% |
| 30 | 10 | 0.001 | 0.001 | 0.00 | 6.91% | 0.04% |
| 31 | 11 | 0.001 | 0.001 | 0.00 | -5.56% | 0.03% |
| 31 | 12 | 0.001 | 0.001 | 0.00 | 1.10% | 0.01% |
| 31 | 13 | 0.001 | 0.001 | 0.00 | 2.60% | 0.02% |
| 31 | 14 | 0.001 | 0.001 | 0.00 | 5.56% | 0.03% |
| 31 | 15 | 0.001 | 0.001 | 0.00 | 4.05% | 0.02% |
| 31 | 16 | 0.001 | 0.001 | 0.00 | 1.19% | 0.01% |
| Max | | 0.001 | 0.001 | 0.00 | 13.30% | 0.07% |
| Average | | 0.001 | 0.001 | 0.00 | 1.26% | 0.03% |
| Min | | 0.001 | 0.001 | 0.00 | -11.21% | 0.01% |
| Std Dev | | 0.000 | 0.000 | 0.00 | 6.83% | 0.02% |



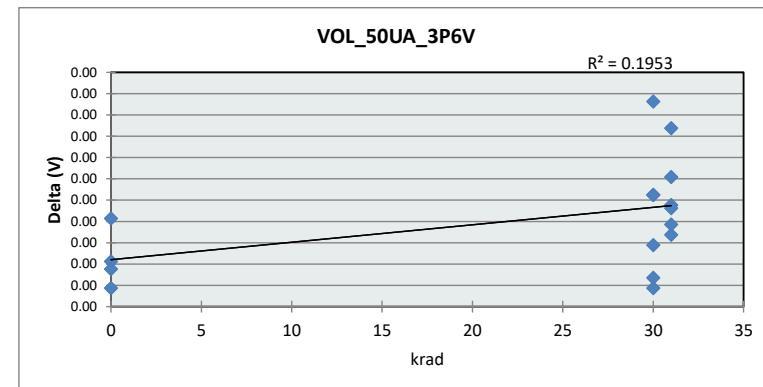
| VOL_50UA_2V | | | | | | |
|-------------|----------|-------|-------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.1 | | | | | |
| Min Limit | -0.1 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | -0.10 | -0.10 | -0.10 | | | |
| Min | 0.00 | 0.00 | 0.00 | | | |
| Average | 0.00 | 0.00 | 0.00 | | | |
| Max | 0.00 | 0.00 | 0.00 | | | |
| UL | 0.10 | 0.10 | 0.10 | | | |



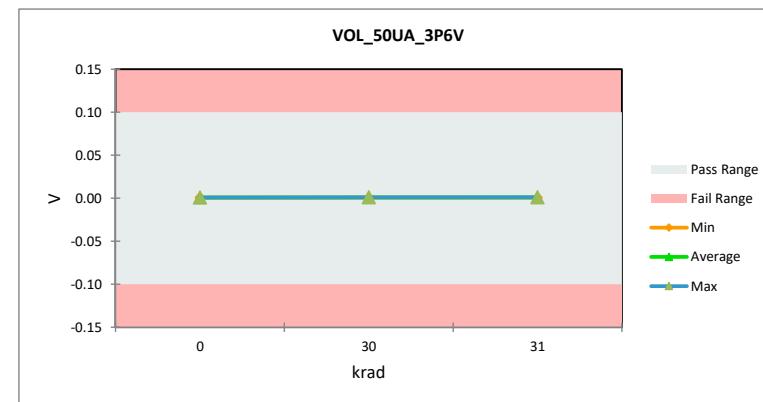
TID Report

SN54SC4T32-SEP

| VOL_50UA_3P6V | | | | | | |
|---------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.1 | | | | | |
| Min Limit | -0.1 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 0.001 | 0.001 | 0.00 | -11.37% | 0.05% |
| 0 | 2 | 0.001 | 0.001 | 0.00 | -18.25% | 0.08% |
| 0 | 3 | 0.001 | 0.001 | 0.00 | 0.92% | 0.00% |
| 0 | 4 | 0.001 | 0.001 | 0.00 | -13.27% | 0.06% |
| 30 | 5 | 0.001 | 0.001 | 0.00 | -6.44% | 0.03% |
| 30 | 6 | 0.001 | 0.001 | 0.00 | -15.33% | 0.07% |
| 30 | 7 | 0.001 | 0.001 | 0.00 | 8.12% | 0.03% |
| 30 | 8 | 0.001 | 0.001 | 0.00 | 38.47% | 0.14% |
| 30 | 9 | 0.001 | 0.001 | 0.00 | -17.61% | 0.08% |
| 30 | 10 | 0.001 | 0.001 | 0.00 | 8.55% | 0.03% |
| 31 | 11 | 0.001 | 0.001 | 0.00 | -3.65% | 0.02% |
| 31 | 12 | 0.001 | 0.001 | 0.00 | -0.85% | 0.00% |
| 31 | 13 | 0.001 | 0.001 | 0.00 | 13.59% | 0.05% |
| 31 | 14 | 0.001 | 0.001 | 0.00 | 29.92% | 0.11% |
| 31 | 15 | 0.001 | 0.001 | 0.00 | 4.35% | 0.02% |
| 31 | 16 | 0.001 | 0.001 | 0.00 | 4.27% | 0.02% |
| Max | | 0.001 | 0.001 | 0.00 | 38.47% | 0.14% |
| Average | | 0.001 | 0.001 | 0.00 | 1.34% | 0.05% |
| Min | | 0.001 | 0.001 | 0.00 | -18.25% | 0.00% |
| Std Dev | | 0.000 | 0.000 | 0.00 | 16.22% | 0.04% |



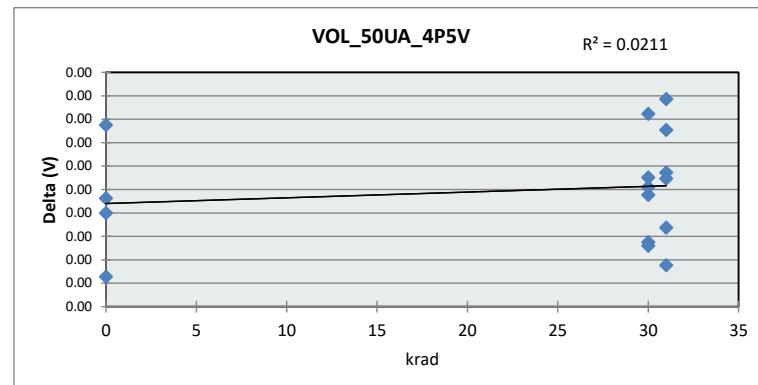
| VOL_50UA_3P6V | | | | | | |
|---------------|----------|-------|-------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.1 | | | | | |
| Min Limit | -0.1 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | -0.10 | -0.10 | -0.10 | | | |
| Min | 0.00 | 0.00 | 0.00 | | | |
| Average | 0.00 | 0.00 | 0.00 | | | |
| Max | 0.00 | 0.00 | 0.00 | | | |
| UL | 0.10 | 0.10 | 0.10 | | | |



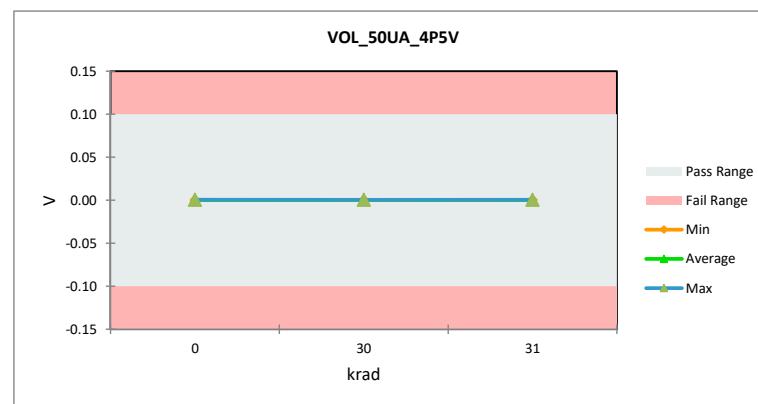
TID Report

SN54SC4T32-SEP

| VOL_50UA_4P5V | | | | | | |
|---------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.1 | | | | | |
| Min Limit | -0.1 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 0.000 | 0.000 | 0.00 | 71.47% | 0.09% |
| 0 | 2 | 0.000 | 0.000 | 0.00 | 0.00% | 0.00% |
| 0 | 3 | 0.000 | 0.000 | 0.00 | 9.41% | 0.02% |
| 0 | 4 | 0.000 | 0.000 | 0.00 | -36.26% | 0.07% |
| 30 | 5 | 0.000 | 0.000 | 0.00 | -16.71% | 0.03% |
| 30 | 6 | 0.000 | 0.000 | 0.00 | 146.08% | 0.11% |
| 30 | 7 | 0.000 | 0.000 | 0.00 | 9.96% | 0.02% |
| 30 | 8 | 0.000 | 0.000 | 0.00 | -21.00% | 0.03% |
| 30 | 9 | 0.000 | 0.000 | 0.00 | 27.02% | 0.04% |
| 30 | 10 | 0.000 | 0.000 | 0.00 | 20.45% | 0.03% |
| 31 | 11 | 0.000 | 0.000 | 0.00 | -29.88% | 0.06% |
| 31 | 12 | 0.000 | 0.000 | 0.00 | 59.70% | 0.04% |
| 31 | 13 | 0.000 | 0.000 | 0.00 | -8.07% | 0.02% |
| 31 | 14 | 0.000 | 0.000 | 0.00 | 22.03% | 0.04% |
| 31 | 15 | 0.000 | 0.000 | 0.00 | 63.08% | 0.09% |
| 31 | 16 | 0.000 | 0.001 | 0.00 | 89.99% | 0.12% |
| Max | | 0.000 | 0.001 | 0.00 | 146.08% | 0.12% |
| Average | | 0.000 | 0.000 | 0.00 | 25.45% | 0.05% |
| Min | | 0.000 | 0.000 | 0.00 | -36.26% | 0.00% |
| Std Dev | | 0.000 | 0.000 | 0.00 | 49.35% | 0.04% |



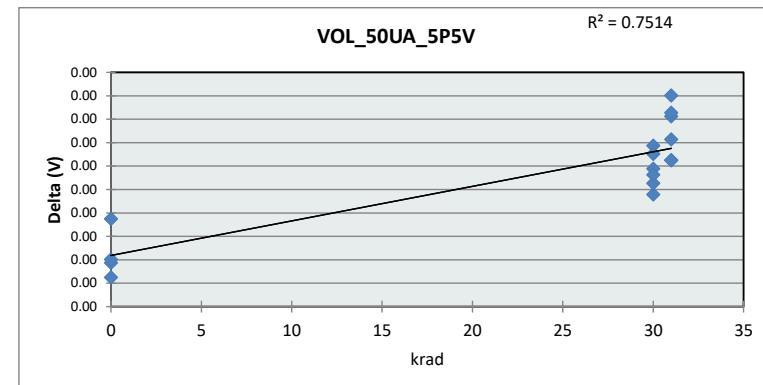
| VOL_50UA_4P5V | | | | | | |
|---------------|----------|-------|-------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.1 | | | | | |
| Min Limit | -0.1 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | -0.10 | -0.10 | -0.10 | | | |
| Min | 0.00 | 0.00 | 0.00 | | | |
| Average | 0.00 | 0.00 | 0.00 | | | |
| Max | 0.00 | 0.00 | 0.00 | | | |
| UL | 0.10 | 0.10 | 0.10 | | | |



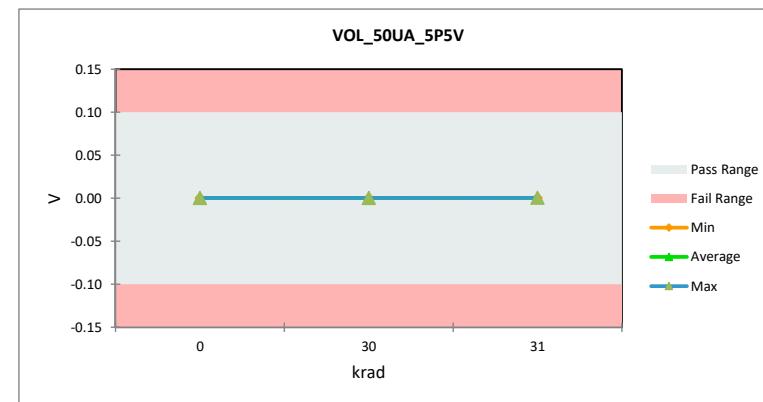
TID Report

SN54SC4T32-SEP

| VOL_50UA_5P5V | | | | | | |
|---------------|----------|------------|-------------|-------|---------|------------------|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.1 | | | | | |
| Min Limit | -0.1 | | | | | |
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
| 0 | 1 | 0.000 | 0.000 | 0.00 | -43.89% | 0.08% |
| 0 | 2 | 0.000 | 0.000 | 0.00 | -48.40% | 0.09% |
| 0 | 3 | 0.000 | 0.000 | 0.00 | -38.45% | 0.07% |
| 0 | 4 | 0.000 | 0.000 | 0.00 | -16.13% | 0.03% |
| 30 | 5 | 0.000 | 0.000 | 0.00 | 23.86% | 0.02% |
| 30 | 6 | 0.000 | 0.000 | 0.00 | 40.60% | 0.05% |
| 30 | 7 | 0.000 | 0.000 | 0.00 | -3.42% | 0.01% |
| 30 | 8 | 0.000 | 0.000 | 0.00 | 4.27% | 0.01% |
| 30 | 9 | 0.000 | 0.000 | 0.00 | 24.33% | 0.04% |
| 30 | 10 | 0.000 | 0.000 | 0.00 | 12.55% | 0.02% |
| 31 | 11 | 0.000 | 0.000 | 0.00 | 83.76% | 0.08% |
| 31 | 12 | 0.000 | 0.000 | 0.00 | 70.79% | 0.08% |
| 31 | 13 | 0.000 | 0.000 | 0.00 | 34.34% | 0.05% |
| 31 | 14 | 0.000 | 0.000 | 0.00 | 20.06% | 0.03% |
| 31 | 15 | 0.000 | 0.000 | 0.00 | 20.06% | 0.03% |
| 31 | 16 | 0.000 | 0.000 | 0.00 | 80.59% | 0.10% |
| Max | | 0.000 | 0.000 | 0.00 | 83.76% | 0.10% |
| Average | | 0.000 | 0.000 | 0.00 | 16.56% | 0.05% |
| Min | | 0.000 | 0.000 | 0.00 | -48.40% | 0.01% |
| Std Dev | | 0.000 | 0.000 | 0.00 | 40.93% | 0.03% |



| VOL_50UA_5P5V | | | | | | |
|---------------|----------|-------|-------|--|--|--|
| Test Site | CLAB | | | | | |
| Tester | ETS88-01 | | | | | |
| Test Number | EQ774601 | | | | | |
| Units | V | | | | | |
| Max Limit | 0.1 | | | | | |
| Min Limit | -0.1 | | | | | |
| krad | 0 | 30 | 31 | | | |
| LL | -0.10 | -0.10 | -0.10 | | | |
| Min | 0.00 | 0.00 | 0.00 | | | |
| Average | 0.00 | 0.00 | 0.00 | | | |
| Max | 0.00 | 0.00 | 0.00 | | | |
| UL | 0.10 | 0.10 | 0.10 | | | |



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