



**ABSTRACT**

This report discusses the results of the total-ionizing dose (TID) testing for the Texas Instruments TPS7H4003-SEP is a radiation tolerant, 7-V, 18-A, synchronous buck converter with integrated low-resistance, high-side and low-side MOSFETs in a thermally enhanced 44-pin Space Enhanced Plastic (Space EP) package.

The study was done to determine TID effects under low dose rate (LDR) and high dose rate (HDR) up to 50 krad(Si). The results show that all samples passed within the specified limits up to 50 krad(Si).

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**Trademarks**

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## 1 Device Information

### 1.1 Product Description

TPS7H4003-SEP is a radiation tolerant, 7-V, 18-A, synchronous buck converter with integrated low-resistance, high-side and low-side MOSFETs in a thermally enhanced 44-pin Space EP package.

### 1.2 Device Details

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

**Table 1-1. Device and Exposure Details**

TID HDR and LDR Details: 20, 30, and 50 krad(Si)	
Package	44-pin HTSSOP (DDW)
Quantity Tested	HDR and LDR: <ul style="list-style-type: none"> <li>• 5 biased and 5 unbiased units @ 20-krad(Si) levels</li> <li>• 5 biased and 5 unbiased units @ 30-krad(Si) levels</li> <li>• 22 biased and 5 unbiased units @ 50-krad(Si) levels</li> </ul>
HDR and LDR Radiation Facility	Radiation Test Solutions, Colorado Springs, Colorado
HDR and LDR Dose Level	20 krad(Si), 30 krad(Si), 50 krad(Si)
HDR Dose Rate	64.46-rad(Si)/s ionizing radiation with increments
LDR Dose Rate	10-mrad(Si)/s ionizing radiation with increments
HDR Radiation Source	Gamma rays provided by JLSA 81-24 Co60 source. Dosimetry performed by Air Ionization Chamber (AIC) traceable to NIST.
LDR Radiation Source	Gamma rays provided by JLSA 81-22 or JLSA 81-23 Co60 LDR source. Dosimetry performed by AIC traceable to NIST.
Irradiation and Test Temperature	Ambient, room temperature controlled to 24°C ±6°C per MIL-STD-883 and MIL-STD-750.



**Figure 1-1. TPS7H4003-SEP Devices Used in Exposure**

## 2 Total Dose Test Setup

### 2.1 Test Overview

The TPS7H4003-SEP was tested according to MIL-STD-883, Test Method 1019.9. For this testing, Conditions A and D were used. For this test, the product was irradiated up to the target radiation level, and then put through full electrical parametric testing on the production Automated Test Equipment (ATE). All devices remained functional passing all parametric test limits.

### 2.2 Test Description and Facilities

The TPS7H4003-SEP HDR and LDR exposures were performed on biased and unbiased devices in gamma rays provided by JLSA 81-24 Co60 source and by JLSA 81-22 or JLSA 81-23 Co60 LDR source, respectively, at Radiation Test Solutions, Inc. facility in Colorado Springs, Colorado. Dosimetry performed by AIC traceable to NIST. Radiation Test Solutions' dosimetry has been audited by DLA. After exposure, the devices were packed in dry ice (per MIL-STD-883 Method 1019.9 section 3.10) and returned to TI Dallas for a full post-radiation electrical evaluation using Texas Instruments ATE. ATE guard band test limits are set within VID electrical limits to ensure robust Cpk and test error margin based on qualification and characterization data. Post-radiation measurements were taken on the same test setup where initial, pre-exposure testing was done, 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 under HDR and LDR exposure were tested in two conditions, biased and unbiased, as described in the following sections.

#### 2.3.1 Unbiased

For the unbiased HDR and LDR conditions, the exposure was performed with all pins grounded.

#### 2.3.2 Biased

Figure 2-1 shows the diagram for HDR and LDR exposure with biased condition.

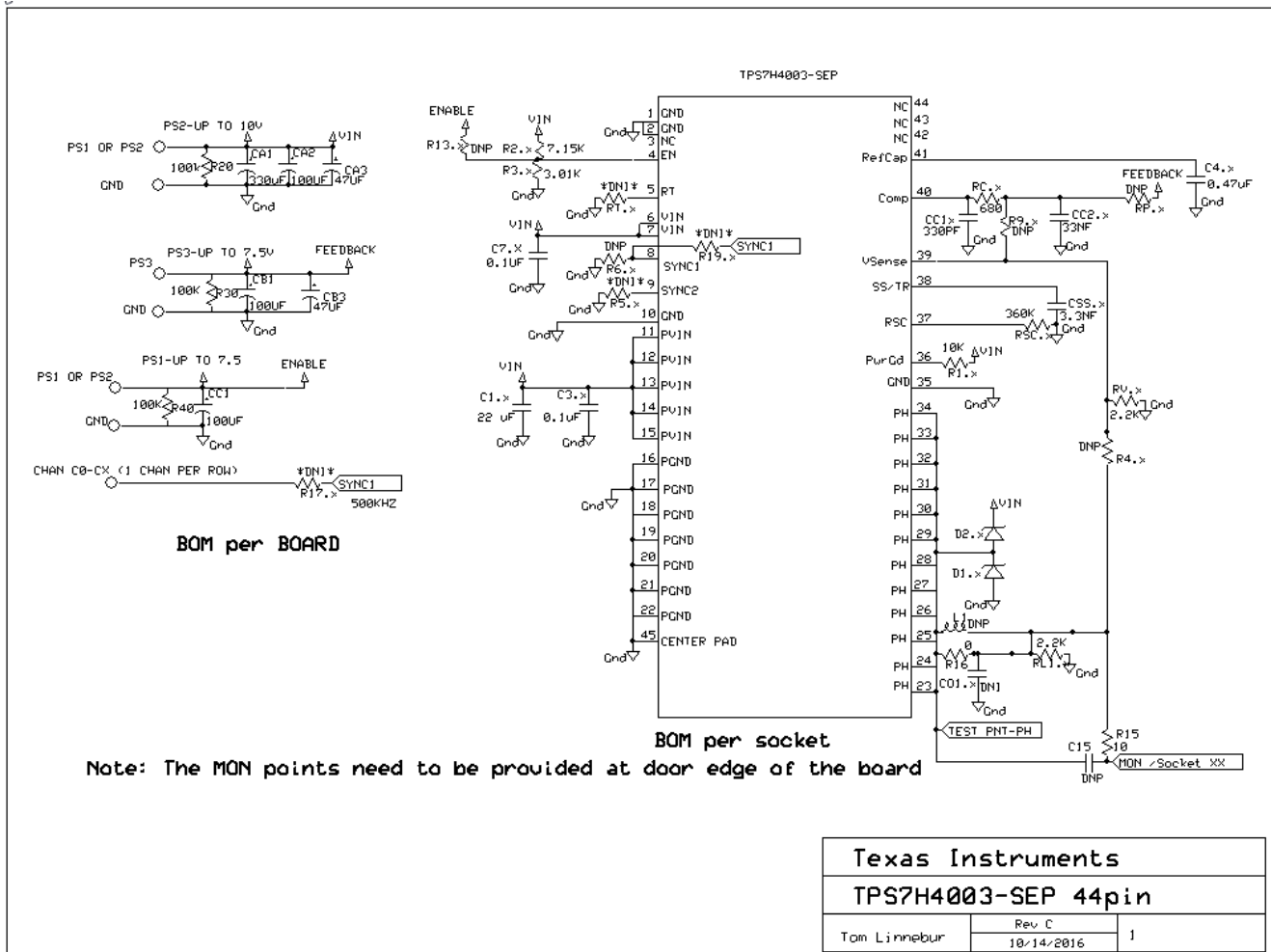


Figure 2-1. Bias Diagram Used in TID Exposure

## 2.4 Test Configuration and Condition

HDR and LDR devices were stressed at 20 krad(Si), 30 krad(Si), and 50 krad(Si) for biased and unbiased conditions.

**Table 2-1. HDR  $\geq$  50–300 rad(Si)/s Biased Device Information (HDR)**

Total Samples: 32		
Exposure Levels:		
20 krad(Si) (5 samples)	30 krad(Si) (5 samples)	50 krad(Si) (22 samples)
#81, #82, #83, #84, #85	#76, #77, #78, #79, #80	#54 through #75

**Table 2-2. HDR  $\geq$  50–300 rad(Si)/s Unbiased Device Information (HDR)**

Total Samples: 15		
Exposure Levels:		
20 krad(Si) (5 samples)	30 krad(Si) (5 samples)	50 krad(Si) (5 samples)
#96, #97, #98, #99, #100	#91, #92, #93, #94, #95	#86, #87, #88, #89, #90

**Table 2-3. LDR  $\leq$  10 mrad(Si)/s Biased Device Information (LDR)**

Total Samples: 32		
Exposure Levels:		
20 krad(Si) (5 samples)	30 krad(Si) (5 samples)	50 krad(Si) (22 samples)
#31, #32, #33, #34, #35	#26, #27, #28, #29, #30	#4 through #25

**Table 2-4. LDR  $\leq$  10 mrad(Si)/s Unbiased Device Information (LDR)**

Total Samples: 15		
Exposure Levels:		
20 krad(Si) (5 samples)	30 krad(Si) (5 samples)	50 krad(Si) (5 samples)
#46, #47, #48, #49, #50	#41, #42, #43, #44, #45	#36, #37, #38, #39, #40

## 3 TID Characterization Test Results

### 3.1 TID Characterization Summary Results

The parametric data for the TPS7H4003-SEP passes up to 50-krad(Si) HDR and LDR TID. The drift of VID electrical parameters through HDR and LDR were within the pre-radiation limits.

Overall, the TPS7H4003-SEP showed a strong degree of hardness to HDR and LDR TID irradiation up to 50 krad(Si) for both biased and unbiased exposure conditions. The measurements taken post-irradiation for each sample set showed a marginal shift for most parameters at each dose level for both biased and unbiased. The parameters that did show a greater degree of change between pre- and post-irradiation were still within the data sheet electrical specifications (see [Section 3.2](#) for Specification Compliance Matrix).

Please see [Appendix A](#) for HDR report up to 50 krad(Si).

Please see [Appendix B](#) for LDR report up to 50 krad(Si).

### 3.2 Specification Compliance Matrix

The TPS7H4003-SEP Specification Compliance Matrix is comprised of electrical, timing, and switching characteristics lists as shown in the following tables.

**Table 3-1. Electrical Characteristics - Section 1**

PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNIT	TEST#	
<b>SUPPLY VOLTAGE (VIN AND PVIN PINS)</b>							
PVIN operating input voltage		3.0		7.0	V		
PVIN internal UVLO threshold	PVIN rising	2.425	2.50	2.575	V	23.0	
PVIN internal UVLO hysteresis	Load = 0 A	425	450	475	mV	23.2	
VIN operating input voltage		3.0		7.0	V		
VIN internal UVLO threshold	VIN rising	2.71	2.75	2.80	V	24.0	
VIN internal UVLO hysteresis		134	150	178	mV	24.2	
VIN shutdown supply current	VEN = 0 V		2.32	2.85	mA	4.1, 4.3	
VIN operating – non switching supply current	VSENSE = VBG		4	6	mA	4.0, 4.2	
<b>ENABLE AND UVLO (EN PIN)</b>							
Enable threshold	Rising	1.110	1.14	1.172	V	7.0, 7.6	
	Falling	1.080	1.11	1.148		7.1, 7.7	
Input current	VEN = 1.1 V	4.8	6.1	7.6	μ	7.3	
Hysteresis current	VEN = 1.3 V	2.4	3.0	3.9	μ	7.5	
<b>VOLTAGE REFERENCE</b>							
Internal voltage reference initial tolerance	0 A ≤ I <sub>out</sub> ≤ 18 A, 25°C	0.598	0.605	0.613	V	3.8, 3.10	
Internal voltage reference	0 A ≤ I <sub>out</sub> ≤ 18 A	–55°C	0.594	0.602	0.609	V	3.8, 3.10
		+125°C	0.599	0.607	0.614		3.8, 3.10
REFCAP voltage	REFCAP = 470 nF	1.189	1.209	1.228	V	3.2, 3.3, 3.4	
<b>MOSFET</b>							
High-side switch resistance <sup>(1)</sup>	PVIN = VIN = 3 V, lead length = 3 mm	–55°C		16	18	mΩ	8.0
		25°C		19	21		8.0
		125°C		23	27		8.0
	PVIN = VIN = 5 V, lead length = 3 mm	–55°C		14	16		8.1
		25°C		17	19		8.1
		125°C		20	23		8.1
Low-side switch resistance <sup>(1)</sup>	PVIN = VIN = 3 V, lead length = 3 mm	–55°C		7	11	mΩ	15.0
		25°C		9	12		1.0, 15.0
		125°C		13	17		15.0
	PVIN = VIN = 5 V, lead length = 3 mm	–55°C		6	10		15.1
		25°C		9	11		15.1
		125°C		12	15		15.1

(1) Measured at pins.

**Table 3-2. Electrical Characteristics - Section 2**

PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNIT	TEST#	
<b>ERROR AMPLIFIER</b>							
Error amplifier input offset voltage	VSENSE = 0.6 V	-2		2.55	mV	3.9,3.11	
VSENSE pin input current	VSENSE = 0.6 V	-15		15	nA	3.5	
Error amplifier transconductance (gm)	-2 $\mu$ A < ICOMP < 2 $\mu$ A, V(COMP) = 1 V	1150	1800	2400	$\mu$ S	9.0,9.3	
Error amplifier DC gain <sup>(1)</sup>	VSENSE = 0.6 V	10000			V/V		
Error amplifier source	V(COMP) = 1 V, 100-mV input overdrive	100	140	190	$\mu$ A	9.2, 9.5	
Error amplifier sink		100	140	190	$\mu$ A	9.1, 9.4	
<b>INTERNAL SWITCHING FREQUENCY</b>							
Internally set frequency	RT = Open	VIN = 3 V	444	473	515	kHz	21.1, 21.2
		VIN = 5 V	449	502	560		21.4, 21.5
Externally set frequency	RT = 1.07 M $\Omega$ (1%)	VIN = 3 V	80	98	125	kHz	5.0
		VIN = 5 V	80	100	125		11.0
	RT = 165 k $\Omega$ (1%)	VIN = 3 V	455	495	535		5.5
		VIN = 5 V	475	523	615		11.4
	RT = 73.2 k $\Omega$ (1%)	VIN = 3 V	689	850	1011		5.4
		VIN = 5 V	760	986	1212		11.2

(1) Ensured by design only. Not tested in production.



**Table 3-3. Electrical Characteristics - Section 3**

PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNIT	TEST#
<b>EXTERNAL SYNCHRONIZATION</b>						
SYNC1/SYNC2 out low-to-high rise time (10%/90%)	Cload = 25 pF		70	180	ns	13.8, 13.12
SYNC1/SYNC2 out high-to-low fall time (90%/10%)	Cload = 25 pF		10	21	ns	13.9, 13.13
SYNC2 to SYNC1 rising edge phase shift		77	85	94	°	21.0, 21.3
SYNC1 falling edge delay <sup>(1)</sup>		165	180	185	°	13.24, 13.25
SYNC1/SYNC2 out high level threshold	IOH = 50 µA	VIN – 0.3			V	13.18, 13.22
SYNC1/SYNC2 out low level threshold	IOL = 50 µA	600			mV	13.16, 13.20
SYNC1 in frequency range	PVIN = VIN = 5 V	100		1000	kHz	22.2
SYNC1 in duty cycle range	Duty cycle of external clock	40		60	%	22.4
<b>PH (PH PIN)</b>						
Minimum on time	Measured at 10% to 90% of VIN IPH = 2 A, VIN = 5 V		190	235	ns	5.6
	Measured at 10% to 90% of VIN, IPH = 2 A, VIN = 5 V		190	225		11.6
<b>SOFT START AND TRACKING (SS/TR PIN)</b>						
SS charge current		1.5	2.5	3	µA	9.6, 9.7
<b>POWER GOOD (PWRGD PIN)</b>						
VSENSE threshold	VSENSE falling (fault)	90	91		%VREF	12.0, 12.6
	VSENSE rising (good)		94	97		12.1, 12.7
	VSENSE rising (fault)		109	111		12.2, 12.8
	VSENSE falling (good)	103	106			12.3, 12.9
Output high leakage	VSENSE = VREF, V(PWRGD) = 5 V		30	181	nA	12.4, 12.10
Output low	I(PWRGD) = 2 mA	0.3			V	12.5, 12.11

(1) Bench verified. Not tested in production.

## **4 Applicable and Reference Documents**

### **4.1 Applicable Documents**

- [TPS7H4003-SEP Radiation-Hardened 3-V to 7-V Input 18-A Synchronous Buck Converter in Space Enhanced Plastic data sheet](#)
- [TPS7H4003-SEP Production Flow and Reliability Report](#)
- [TPS7H4003-SEP EVM User's Guide](#)

### **4.2 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.

## A Appendix: HDR TID Report

This appendix contains the HDR TID report data.

**Note:**

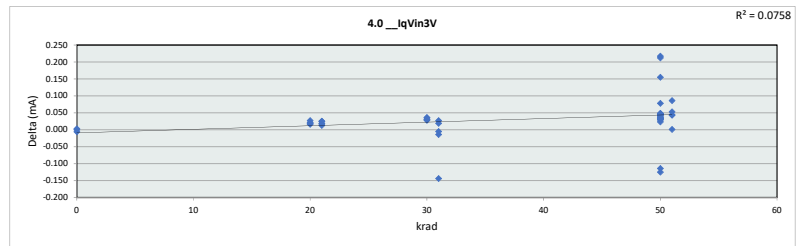
1. In order to display and differentiate on the same chart the HDR Biased and HDR Unbiased data points, the following technique was used:  
The 20krad, 30krad and 50Krad datapoints for **unbiased** units, were shifted by 1krad to 21krad, 31krad and 51krad.

TID/HDR Report

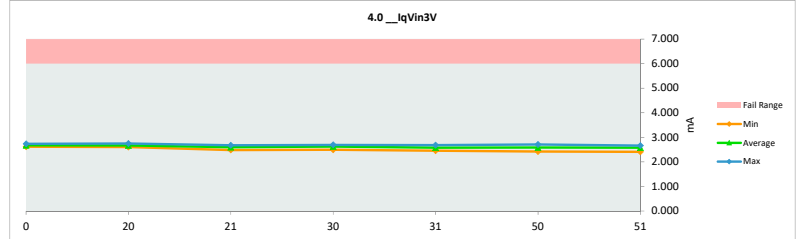
TPS7H4003-SEP

Nov-21

4.0_IqVin3V				
Test Site	Junkins - Dallas	Junkins - Dallas		
Tester	FEST36408	FEST36412		
Test Number	EB545302	EB545302		
Unit	mA	mA		
Max Limit	6	6		
Min Limit				
0	51	2.680	2.674	-0.006
0	52	2.617	2.617	0.000
0	53	2.733	2.736	0.003
20	81	2.589	2.607	0.018
20	82	2.712	2.739	0.027
20	83	2.635	2.656	0.021
20	84	2.726	2.746	0.020
20	85	2.599	2.615	0.016
30	76	2.553	2.583	0.030
30	77	2.657	2.685	0.028
30	78	2.637	2.673	0.036
30	79	2.461	2.496	0.035
30	80	2.663	2.693	0.030
50	54	2.481	2.510	0.029
50	55	2.623	2.655	0.032
50	56	2.589	2.624	0.035
50	57	2.483	2.506	0.023
50	58	2.475	2.692	0.217
50	59	2.617	2.492	-0.125
50	60	2.590	2.617	0.027
50	61	2.664	2.710	0.046
50	62	2.563	2.609	0.046
50	63	2.434	2.646	0.212
50	64	2.445	2.477	0.032
50	65	2.537	2.585	0.048
50	66	2.625	2.672	0.047
50	67	2.603	2.651	0.048
50	68	2.395	2.426	0.031
50	69	2.479	2.513	0.034
50	70	2.617	2.657	0.040
50	71	2.492	2.647	0.155
50	72	2.345	2.423	0.078
50	73	2.686	2.572	-0.114
50	74	2.565	2.610	0.045
50	75	2.563	2.605	0.042
21	96	2.587	2.600	0.013
21	97	2.652	2.677	0.025
21	98	2.621	2.638	0.017
21	99	2.582	2.607	0.025
21	100	2.467	2.486	0.019
31	91	2.570	2.556	-0.014
31	92	2.617	2.636	0.019
31	93	2.655	2.682	0.027
31	94	2.601	2.457	-0.144
31	95	2.579	2.574	-0.005
51	86	2.611	2.664	0.053
51	87	2.488	2.574	0.086
51	88	2.544	2.587	0.043
51	89	2.606	2.650	0.044
51	90	2.408	2.409	0.001
Max		2.733	2.746	0.217
Average		2.574	2.604	0.030
Min		2.345	2.409	-0.144
Std Dev		0.088	0.084	0.060



4.0_IqVin3V							
Test Site	Junkins - Dallas						
Tester	FEST36408						
Test Number	EB545302						
Max Limit	6	mA					
Min Limit		mA					
krad	0	20	21	30	31	50	51
LL	2.617	2.607	2.486	2.496	2.457	2.423	2.409
Min	2.676	2.673	2.602	2.626	2.581	2.586	2.577
Average	2.736	2.746	2.677	2.693	2.682	2.710	2.664
Max	6.000	6.000	6.000	6.000	6.000	6.000	6.000
UL	6.000	6.000	6.000	6.000	6.000	6.000	6.000

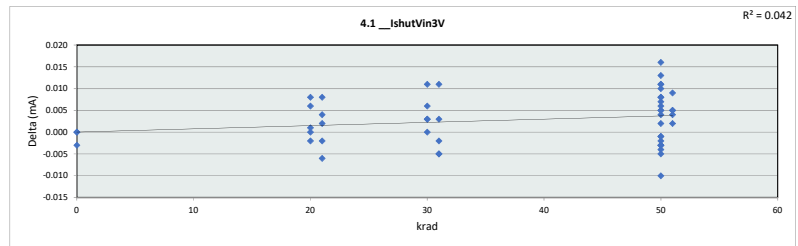


TID/HDR Report

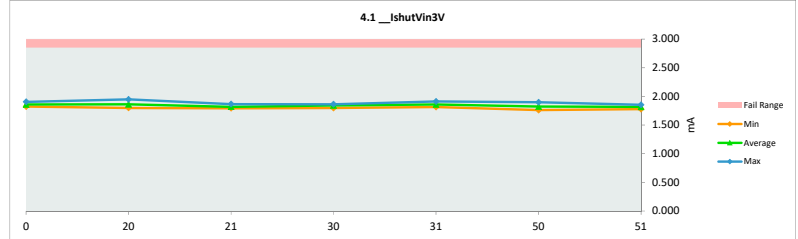
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4.1_IshutVin3V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	1.851	1.848	-0.003
0	52	1.823	1.823	0.000
0	53	1.905	1.905	0.000
20	81	1.800	1.800	0.000
20	82	1.905	1.911	0.006
20	83	1.844	1.845	0.001
20	84	1.939	1.947	0.008
20	85	1.814	1.812	-0.002
30	76	1.795	1.798	0.003
30	77	1.861	1.861	0.000
30	78	1.857	1.863	0.006
30	79	1.820	1.831	0.011
30	80	1.861	1.864	0.003
50	54	1.830	1.826	-0.004
50	55	1.828	1.825	-0.003
50	56	1.800	1.797	-0.003
50	57	1.858	1.868	0.010
50	58	1.843	1.851	0.008
50	59	1.831	1.836	0.005
50	60	1.803	1.801	-0.002
50	61	1.893	1.898	0.005
50	62	1.780	1.787	0.007
50	63	1.810	1.821	0.011
50	64	1.806	1.803	-0.003
50	65	1.751	1.762	0.011
50	66	1.842	1.850	0.008
50	67	1.829	1.835	0.006
50	68	1.780	1.775	-0.005
50	69	1.862	1.861	-0.001
50	70	1.833	1.832	-0.001
50	71	1.834	1.824	-0.010
50	72	1.747	1.760	0.013
50	73	1.881	1.885	0.004
50	74	1.795	1.811	0.016
50	75	1.783	1.785	0.002
21	96	1.796	1.794	-0.002
21	97	1.859	1.867	0.008
21	98	1.828	1.822	-0.006
21	99	1.809	1.813	0.004
21	100	1.799	1.801	0.002
31	91	1.891	1.889	-0.002
31	92	1.820	1.815	-0.005
31	93	1.859	1.862	0.003
31	94	1.820	1.815	-0.005
31	95	1.902	1.913	0.011
51	86	1.843	1.847	0.004
51	87	1.848	1.853	0.005
51	88	1.776	1.781	0.005
51	89	1.826	1.828	0.002
51	90	1.769	1.778	0.009
Max		1.939	1.947	0.016
Average		1.831	1.834	0.003
Min		1.747	1.760	-0.010
Std Dev		0.041	0.041	0.006



4.1_IshutVin3V							
krad	0	20	21	30	31	50	51
LL	1.823	1.800	1.794	1.798	1.815	1.760	1.778
Min	1.859	1.863	1.819	1.843	1.859	1.822	1.817
Average	1.905	1.947	1.867	1.864	1.913	1.898	1.853
Max	2.850	2.850	2.850	2.850	2.850	2.850	2.850
UL	2.850	2.850	2.850	2.850	2.850	2.850	2.850

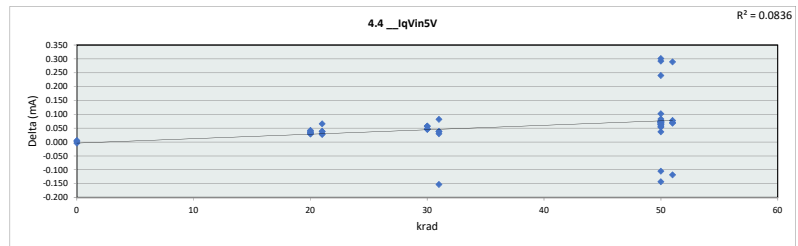


TID/HDR Report

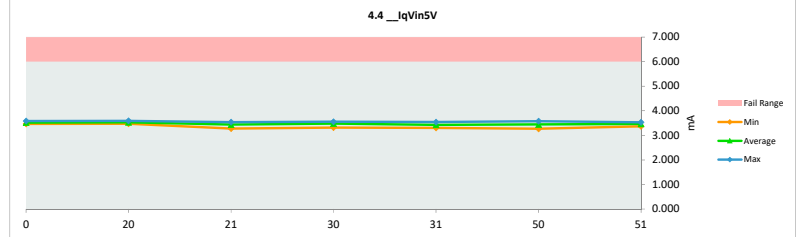
TPS7H4003-SEP

Nov-21

4.4 IqVin5V				
Test Site	Junkins - Dallas	Junkins - Dallas		
Tester	FEST36408	FEST36412		
Test Number	EB545302	EB545302		
Unit	mA	mA		
Max Limit	6	6		
Min Limit				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	3.507	3.503	-0.004
0	52	3.461	3.463	0.002
0	53	3.575	3.581	0.006
20	81	3.449	3.478	0.029
20	82	3.547	3.589	0.042
20	83	3.478	3.515	0.037
20	84	3.554	3.588	0.034
20	85	3.441	3.472	0.031
30	76	3.418	3.464	0.046
30	77	3.503	3.551	0.048
30	78	3.451	3.509	0.058
30	79	3.258	3.315	0.057
30	80	3.495	3.541	0.046
50	54	3.233	3.316	0.083
50	55	3.464	3.518	0.054
50	56	3.428	3.492	0.064
50	57	3.244	3.281	0.037
50	58	3.254	3.555	0.301
50	59	3.459	3.354	-0.105
50	60	3.427	3.498	0.071
50	61	3.501	3.575	0.074
50	62	3.403	3.475	0.072
50	63	3.229	3.521	0.292
50	64	3.235	3.298	0.063
50	65	3.393	3.470	0.077
50	66	3.485	3.559	0.074
50	67	3.457	3.528	0.071
50	68	3.230	3.286	0.056
50	69	3.265	3.327	0.062
50	70	3.452	3.519	0.067
50	71	3.270	3.510	0.240
50	72	3.164	3.266	0.102
50	73	3.512	3.369	-0.143
50	74	3.391	3.465	0.074
50	75	3.418	3.487	0.069
21	96	3.422	3.450	0.028
21	97	3.496	3.534	0.038
21	98	3.441	3.470	0.029
21	99	3.405	3.444	0.039
21	100	3.208	3.274	0.066
31	91	3.346	3.384	0.038
31	92	3.462	3.500	0.038
31	93	3.507	3.537	0.030
31	94	3.453	3.300	-0.153
31	95	3.310	3.392	0.082
51	86	3.453	3.531	0.078
51	87	3.485	3.367	-0.118
51	88	3.392	3.460	0.068
51	89	3.449	3.520	0.071
51	90	3.156	3.445	0.289
Max		3.575	3.589	0.301
Average		3.401	3.457	0.056
Min		3.156	3.266	-0.153
Std Dev		0.110	0.094	0.086



4.4 IqVin5V							
Test Site	Junkins - Dallas						
Tester	FEST36408						
Test Number	EB545302						
Max Limit	6	mA					
Min Limit		mA					
krad	0	20	21	30	31	50	51
LL	3.463	3.472	3.274	3.315	3.300	3.266	3.367
Min	3.516	3.528	3.434	3.476	3.423	3.440	3.465
Average	3.581	3.589	3.534	3.551	3.537	3.575	3.531
Max	6.000	6.000	6.000	6.000	6.000	6.000	6.000
UL	6.000	6.000	6.000	6.000	6.000	6.000	6.000

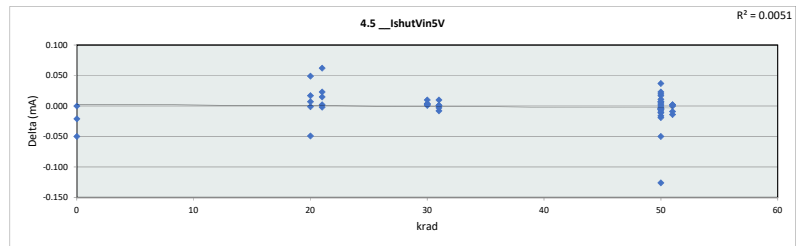


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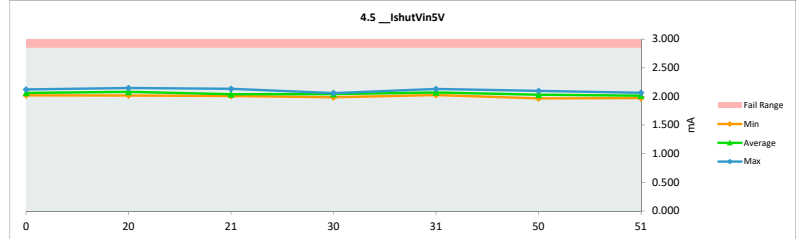
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4.5 IshutVin5V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	2.094	2.044	-0.050
0	52	2.018	2.018	0.000
0	53	2.140	2.119	-0.021
20	81	2.016	2.015	-0.001
20	82	2.108	2.125	0.017
20	83	2.092	2.043	-0.049
20	84	2.138	2.145	0.007
20	85	2.013	2.062	0.049
30	76	1.981	1.984	0.003
30	77	2.056	2.057	0.001
30	78	2.052	2.056	0.004
30	79	2.030	2.040	0.010
30	80	2.055	2.058	0.003
50	54	2.034	2.030	-0.004
50	55	2.023	2.017	-0.006
50	56	2.002	1.986	-0.016
50	57	2.069	2.074	0.005
50	58	2.053	2.043	-0.010
50	59	2.025	2.045	0.020
50	60	1.997	2.020	0.023
50	61	2.089	2.091	0.002
50	62	1.978	1.978	0.000
50	63	2.020	2.027	0.007
50	64	2.021	2.010	-0.011
50	65	1.970	2.007	0.037
50	66	2.064	2.045	-0.019
50	67	2.023	2.040	0.017
50	68	1.989	1.984	-0.005
50	69	2.074	2.071	-0.003
50	70	2.028	2.024	-0.004
50	71	2.047	2.054	0.007
50	72	1.955	1.966	0.011
50	73	2.100	2.094	-0.006
50	74	2.154	2.028	-0.126
50	75	2.026	1.976	-0.050
21	96	1.993	2.008	0.015
21	97	2.069	2.131	0.062
21	98	2.014	2.012	-0.002
21	99	2.000	2.023	0.023
21	100	2.005	2.007	0.002
31	91	2.104	2.101	-0.003
31	92	2.022	2.023	0.001
31	93	2.056	2.057	0.001
31	94	2.035	2.027	-0.008
31	95	2.118	2.128	0.010
51	86	2.038	2.038	0.000
51	87	2.060	2.062	0.002
51	88	1.985	1.971	-0.014
51	89	2.020	2.022	0.002
51	90	1.978	1.969	-0.009
Max		2.154	2.145	0.062
Average		2.041	2.039	-0.002
Min		1.955	1.966	-0.126
Std Dev		0.047	0.044	0.027



4.5_IshutVin5V							
krad	0	20	21	30	31	50	51
LL	2.018	2.015	2.007	1.984	2.023	1.966	1.969
Average	2.060	2.078	2.036	2.039	2.067	2.028	2.012
Max	2.119	2.145	2.131	2.058	2.128	2.094	2.062
UL	2.850	2.850	2.850	2.850	2.850	2.850	2.850



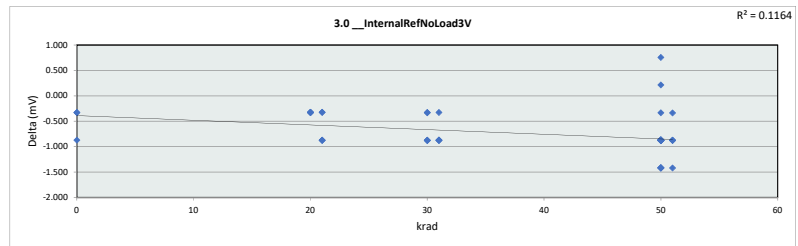


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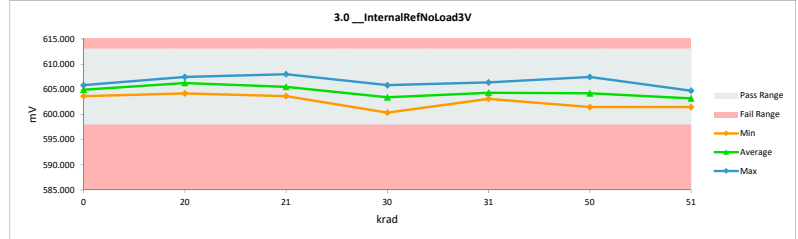
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3.0_InternalRefNoLoad3V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	603.970	603.639	-0.331
0	52	606.684	605.814	-0.870
0	53	605.598	605.271	-0.327
20	81	606.141	605.814	-0.327
20	82	606.684	606.358	-0.326
20	83	604.513	604.183	-0.330
20	84	607.769	607.446	-0.323
20	85	607.769	607.446	-0.323
30	76	601.257	600.376	-0.881
30	77	606.141	605.814	-0.327
30	78	603.428	603.095	-0.333
30	79	603.970	603.095	-0.875
30	80	605.598	604.727	-0.871
50	54	605.056	605.271	0.215
50	55	602.343	601.464	-0.879
50	56	604.513	603.639	-0.874
50	57	606.141	604.727	-1.414
50	58	605.056	604.183	-0.873
50	59	607.226	606.358	-0.868
50	60	608.312	607.446	-0.866
50	61	602.885	602.552	-0.333
50	62	606.141	605.271	-0.870
50	63	602.343	601.464	-0.879
50	64	606.141	604.727	-1.414
50	65	605.598	604.727	-0.871
50	66	603.970	602.552	-1.418
50	67	605.598	604.727	-0.871
50	68	605.056	604.183	-0.873
50	69	605.056	604.183	-0.873
50	70	604.513	603.639	-0.874
50	71	604.513	603.095	-1.418
50	72	606.141	604.727	-1.414
50	73	603.970	604.727	0.757
50	74	605.056	604.183	-0.873
50	75	605.598	604.727	-0.871
21	96	608.312	607.990	-0.322
21	97	604.513	603.639	-0.874
21	98	607.226	606.902	-0.324
21	99	606.141	605.271	-0.870
21	100	604.513	603.639	-0.874
31	91	603.970	603.095	-0.875
31	92	603.970	603.095	-0.875
31	93	607.226	606.358	-0.868
31	94	604.513	603.639	-0.874
31	95	605.598	605.271	-0.327
51	86	605.056	604.183	-0.873
51	87	605.598	604.727	-0.871
51	88	603.428	602.552	-0.876
51	89	601.800	601.464	-0.336
51	90	604.513	603.095	-1.418
Max		608.312	607.990	0.757
Average		605.143	604.411	-0.731
Min		601.257	600.376	-1.418
Std Dev		1.594	1.663	0.423



3.0_InternalRefNoLoad3V							
krad	0	20	21	30	31	50	51
LL	598.000	598.000	598.000	598.000	598.000	598.000	598.000
Min	603.639	604.183	603.639	600.376	603.095	601.464	601.464
Average	604.908	606.249	605.488	603.421	604.292	604.208	603.204
Max	605.814	607.446	607.990	605.814	606.358	607.446	604.727
UL	613.000	613.000	613.000	613.000	613.000	613.000	613.000

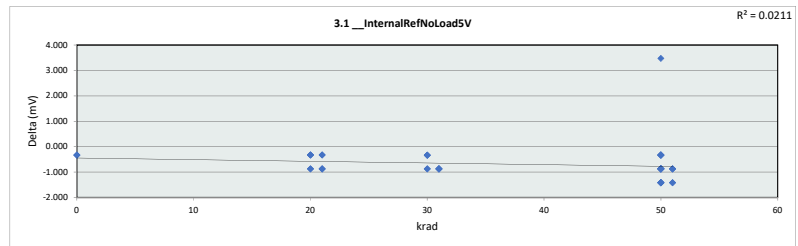


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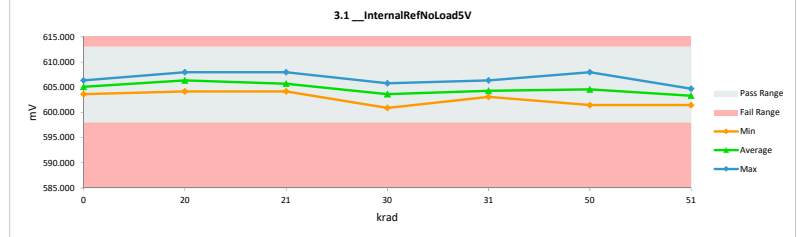
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3.1 InternalRefNoLoadSV				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	603.970	603.639	-0.331
0	52	606.684	606.358	-0.326
0	53	605.598	605.271	-0.327
20	81	606.141	605.814	-0.327
20	82	606.684	606.358	-0.326
20	83	605.056	604.183	-0.873
20	84	608.312	607.446	-0.866
20	85	608.312	607.990	-0.322
30	76	601.257	600.920	-0.337
30	77	606.141	605.814	-0.327
30	78	603.428	603.095	-0.333
30	79	604.513	603.639	-0.874
30	80	605.598	604.727	-0.871
50	54	605.598	605.271	-0.327
50	55	602.343	602.008	-0.335
50	56	604.513	603.639	-0.874
50	57	606.141	605.271	-0.870
50	58	605.598	604.183	-1.415
50	59	607.226	606.902	-0.324
50	60	608.854	607.446	-1.408
50	61	603.428	602.552	-0.876
50	62	606.141	605.814	-0.327
50	63	602.885	601.464	-1.421
50	64	606.141	605.271	-0.870
50	65	606.141	604.727	-1.414
50	66	604.513	603.095	-1.418
50	67	605.598	604.727	-0.871
50	68	605.056	604.183	-0.873
50	69	605.056	604.727	-0.329
50	70	604.513	604.183	-0.330
50	71	605.056	603.639	-1.417
50	72	606.141	605.271	-0.870
50	73	604.513	607.990	3.477
50	74	605.056	604.183	-0.873
50	75	605.598	604.727	-0.871
21	96	608.312	607.990	-0.322
21	97	605.056	604.183	-0.873
21	98	607.226	606.902	-0.324
21	99	606.141	605.271	-0.870
21	100	605.056	604.183	-0.873
31	91	603.970	603.095	-0.875
31	92	603.970	603.095	-0.875
31	93	607.226	606.358	-0.868
31	94	604.513	603.639	-0.874
31	95	606.141	605.271	-0.870
51	86	605.598	604.727	-0.871
51	87	605.598	604.727	-0.871
51	88	603.970	602.552	-1.418
51	89	602.343	601.464	-0.879
51	90	604.513	603.095	-1.418
Max		608.854	607.990	3.477
Average		605.349	604.662	-0.687
Min		601.257	600.920	-1.421
Std Dev		1.567	1.711	0.709



3.1 InternalRefNoLoadSV							
krad	0	20	21	30	31	50	51
LL	598.000	598.000	598.000	598.000	598.000	598.000	598.000
Min	603.639	604.183	604.183	600.920	603.095	601.464	601.464
Average	605.089	606.358	605.706	603.639	604.292	604.603	603.313
Max	606.358	607.990	607.990	605.814	606.358	607.990	604.727
UL	613.000	613.000	613.000	613.000	613.000	613.000	613.000

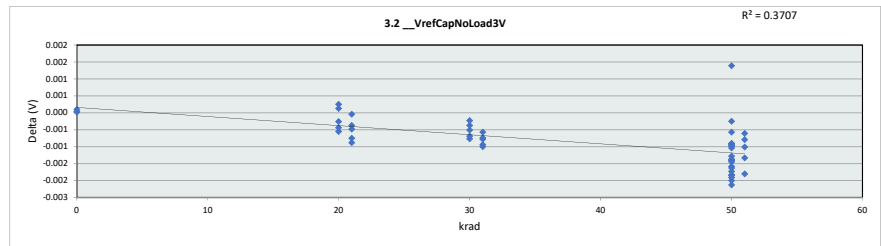


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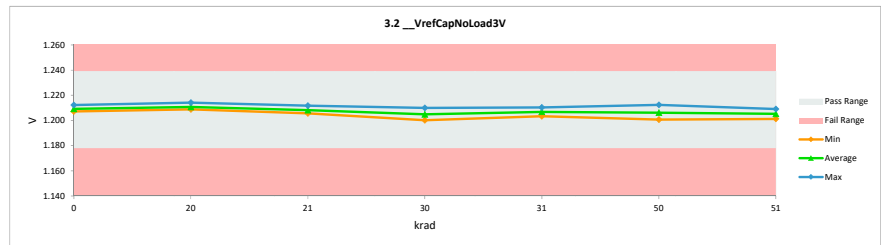
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3.2_VrefCapNoLoad3V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	1.207	1.207	0.000
0	52	1.212	1.212	0.000
0	53	1.208	1.208	0.000
20	81	1.209	1.209	0.000
20	82	1.210	1.210	0.000
20	83	1.209	1.209	-0.001
20	84	1.211	1.211	0.000
20	85	1.214	1.214	0.000
30	76	1.201	1.200	-0.001
30	77	1.210	1.210	0.000
30	78	1.206	1.206	0.000
30	79	1.204	1.203	-0.001
30	80	1.206	1.206	-0.001
50	54	1.209	1.209	0.000
50	55	1.203	1.202	-0.001
50	56	1.206	1.204	-0.002
50	57	1.208	1.207	-0.002
50	58	1.208	1.206	-0.002
50	59	1.214	1.212	-0.001
50	60	1.212	1.211	-0.002
50	61	1.204	1.202	-0.001
50	62	1.208	1.207	-0.001
50	63	1.202	1.201	-0.001
50	64	1.208	1.206	-0.002
50	65	1.210	1.208	-0.002
50	66	1.207	1.205	-0.002
50	67	1.207	1.206	-0.001
50	68	1.208	1.207	-0.001
50	69	1.207	1.205	-0.001
50	70	1.206	1.205	-0.001
50	71	1.205	1.203	-0.002
50	72	1.213	1.212	-0.001
50	73	1.206	1.207	0.001
50	74	1.207	1.207	-0.001
50	75	1.206	1.205	-0.001
21	96	1.212	1.212	0.000
21	97	1.206	1.206	-0.001
21	98	1.210	1.210	0.000
21	99	1.210	1.209	-0.001
21	100	1.206	1.206	0.000
31	91	1.207	1.206	-0.001
31	92	1.204	1.203	-0.001
31	93	1.211	1.210	-0.001
31	94	1.207	1.206	-0.001
31	95	1.209	1.208	-0.001
51	86	1.209	1.207	-0.001
51	87	1.210	1.209	-0.001
51	88	1.206	1.205	-0.001
51	89	1.202	1.201	-0.001
51	90	1.206	1.204	-0.002
	Max	1.214	1.214	0.001
	Average	1.208	1.207	-0.001
	Min	1.201	1.200	-0.002
	Std Dev	0.003	0.003	0.001



3.2_VrefCapNoLoad3V							
krad	0	20	21	30	31	50	51
LL	1.178	1.178	1.178	1.178	1.178	1.178	1.178
Min	1.207	1.209	1.206	1.200	1.203	1.201	1.201
Average	1.209	1.211	1.208	1.205	1.207	1.206	1.205
Max	1.212	1.214	1.212	1.210	1.210	1.212	1.209
UL	1.239	1.239	1.239	1.239	1.239	1.239	1.239

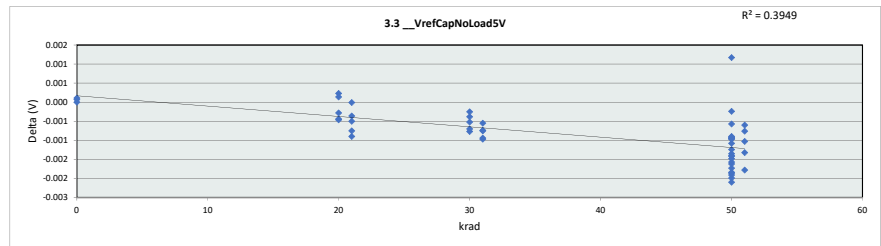


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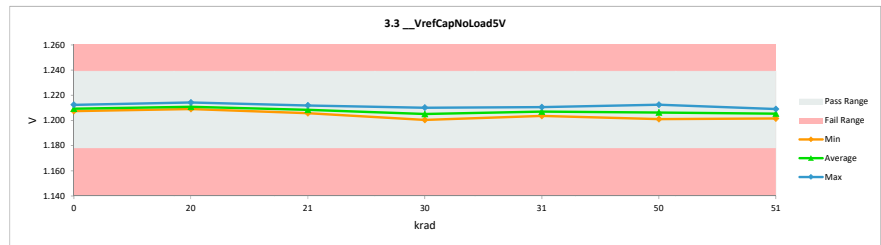
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3.3_VrefCapNoLoad5V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	1.207	1.207	0.000
0	52	1.212	1.212	0.000
0	53	1.208	1.208	0.000
20	81	1.209	1.209	0.000
20	82	1.210	1.211	0.000
20	83	1.210	1.209	0.000
20	84	1.211	1.211	0.000
20	85	1.215	1.214	0.000
30	76	1.201	1.200	-0.001
30	77	1.210	1.210	0.000
30	78	1.206	1.206	0.000
30	79	1.204	1.203	-0.001
30	80	1.207	1.206	-0.001
50	54	1.209	1.209	0.000
50	55	1.203	1.202	-0.001
50	56	1.206	1.204	-0.002
50	57	1.209	1.207	-0.002
50	58	1.208	1.206	-0.002
50	59	1.214	1.213	-0.001
50	60	1.212	1.211	-0.002
50	61	1.204	1.203	-0.001
50	62	1.208	1.207	-0.001
50	63	1.202	1.201	-0.001
50	64	1.209	1.206	-0.002
50	65	1.210	1.208	-0.002
50	66	1.207	1.205	-0.002
50	67	1.207	1.206	-0.001
50	68	1.208	1.207	-0.001
50	69	1.207	1.205	-0.001
50	70	1.206	1.205	-0.001
50	71	1.205	1.203	-0.002
50	72	1.213	1.212	-0.001
50	73	1.206	1.207	0.001
50	74	1.208	1.207	-0.001
50	75	1.206	1.205	-0.001
21	96	1.212	1.212	0.000
21	97	1.207	1.206	-0.001
21	98	1.210	1.210	0.000
21	99	1.210	1.209	-0.001
21	100	1.206	1.206	0.000
31	91	1.207	1.206	-0.001
31	92	1.205	1.204	-0.001
31	93	1.212	1.211	-0.001
31	94	1.207	1.207	0.000
31	95	1.209	1.208	-0.001
51	86	1.209	1.207	-0.001
51	87	1.210	1.209	-0.001
51	88	1.206	1.205	-0.001
51	89	1.202	1.202	0.000
51	90	1.206	1.204	-0.002
Max		1.215	1.214	0.001
Average		1.208	1.207	-0.001
Min		1.201	1.200	-0.002
Std Dev		0.003	0.003	0.001



3.3_VrefCapNoLoad5V							
krad	0	20	21	30	31	50	51
LL	1.178	1.178	1.178	1.178	1.178	1.178	1.178
Min	1.207	1.209	1.206	1.200	1.204	1.201	1.202
Average	1.209	1.211	1.208	1.205	1.207	1.206	1.205
Max	1.212	1.214	1.212	1.210	1.211	1.213	1.209
UL	1.239	1.239	1.239	1.239	1.239	1.239	1.239

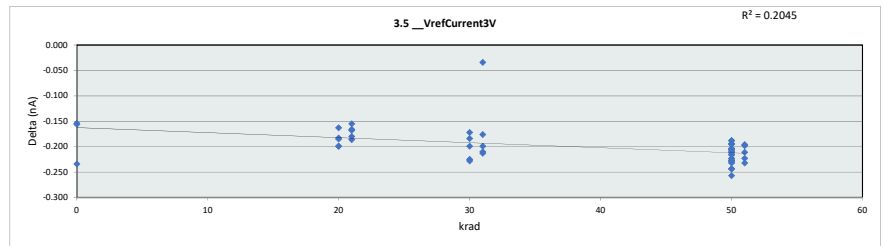


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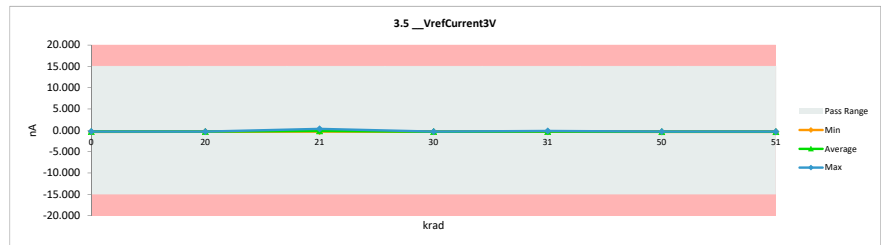
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3.5_VrefCurrent3V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	-0.113	-0.269	-0.156
0	52	-0.103	-0.257	-0.154
0	53	-0.104	-0.338	-0.234
20	81	-0.114	-0.277	-0.163
20	82	-0.106	-0.305	-0.199
20	83	-0.098	-0.281	-0.183
20	84	-0.094	-0.279	-0.185
20	85	-0.079	-0.278	-0.199
30	76	-0.115	-0.299	-0.184
30	77	-0.089	-0.288	-0.199
30	78	-0.103	-0.275	-0.172
30	79	-0.100	-0.325	-0.225
30	80	-0.089	-0.317	-0.228
50	54	-0.106	-0.349	-0.243
50	55	-0.109	-0.339	-0.230
50	56	-0.095	-0.339	-0.244
50	57	-0.091	-0.314	-0.223
50	58	-0.088	-0.304	-0.216
50	59	-0.101	-0.316	-0.215
50	60	-0.111	-0.305	-0.194
50	61	-0.105	-0.300	-0.195
50	62	-0.096	-0.302	-0.206
50	63	-0.089	-0.317	-0.228
50	64	-0.101	-0.307	-0.206
50	65	-0.100	-0.312	-0.212
50	66	-0.090	-0.299	-0.209
50	67	-0.087	-0.314	-0.227
50	68	-0.104	-0.292	-0.188
50	69	-0.101	-0.296	-0.195
50	70	-0.102	-0.305	-0.203
50	71	-0.115	-0.303	-0.188
50	72	-0.109	-0.333	-0.224
50	73	-0.097	-0.354	-0.257
50	74	-0.096	-0.301	-0.205
50	75	-0.099	-0.331	-0.232
21	96	-0.115	-0.295	-0.180
21	97	0.486	0.331	-0.155
21	98	-0.092	-0.278	-0.186
21	99	-0.110	-0.276	-0.166
21	100	-0.104	-0.272	-0.168
31	91	-0.115	-0.291	-0.176
31	92	-0.114	-0.327	-0.213
31	93	-0.116	-0.315	-0.199
31	94	-0.102	-0.136	-0.034
31	95	-0.100	-0.310	-0.210
51	86	-0.115	-0.313	-0.198
51	87	-0.109	-0.320	-0.211
51	88	-0.105	-0.328	-0.223
51	89	-0.106	-0.302	-0.196
51	90	-0.100	-0.332	-0.232
Max		0.486	0.331	-0.034
Average		-0.090	-0.290	-0.199
Min		-0.116	-0.354	-0.257
Std Dev		0.084	0.095	0.034



3.5_VrefCurrent3V							
krad	0	20	21	30	31	50	51
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	-0.338	-0.305	-0.295	-0.325	-0.327	-0.354	-0.332
Average	-0.288	-0.284	-0.158	-0.301	-0.276	-0.315	-0.319
Max	-0.257	-0.277	0.331	-0.275	-0.136	-0.292	-0.302
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

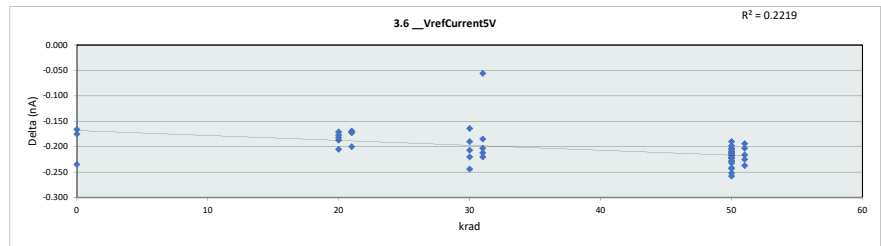


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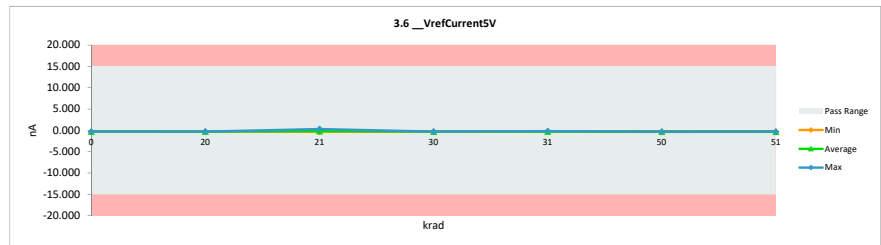
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3.6_VrefCurrent5V				
Test Site	Junkins - Dallas		Junkins - Dallas	
Tester	FEST36408	FEST36412		
Test Number	EB545302	EB545302		
Unit	nA	nA		
Max Limit	15	15		
Min Limit	-15	-15		
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	-0.124	-0.299	-0.175
0	52	-0.126	-0.292	-0.166
0	53	-0.124	-0.359	-0.235
20	81	-0.126	-0.297	-0.171
20	82	-0.116	-0.303	-0.187
20	83	-0.126	-0.303	-0.177
20	84	-0.110	-0.292	-0.182
20	85	-0.110	-0.315	-0.205
30	76	-0.141	-0.305	-0.164
30	77	-0.105	-0.312	-0.207
30	78	-0.119	-0.309	-0.190
30	79	-0.110	-0.354	-0.244
30	80	-0.118	-0.338	-0.220
50	54	-0.138	-0.361	-0.223
50	55	-0.125	-0.368	-0.243
50	56	-0.128	-0.351	-0.223
50	57	-0.093	-0.345	-0.252
50	58	-0.119	-0.322	-0.203
50	59	-0.118	-0.327	-0.209
50	60	-0.118	-0.339	-0.221
50	61	-0.129	-0.319	-0.190
50	62	-0.132	-0.337	-0.205
50	63	-0.103	-0.325	-0.222
50	64	-0.125	-0.336	-0.211
50	65	-0.104	-0.336	-0.232
50	66	-0.112	-0.322	-0.210
50	67	-0.092	-0.350	-0.258
50	68	-0.121	-0.319	-0.198
50	69	-0.119	-0.332	-0.213
50	70	-0.121	-0.339	-0.218
50	71	-0.125	-0.341	-0.216
50	72	-0.115	-0.344	-0.229
50	73	-0.135	-0.363	-0.228
50	74	-0.094	-0.336	-0.242
50	75	-0.128	-0.341	-0.213
21	96	-0.137	-0.309	-0.172
21	97	0.480	0.308	-0.172
21	98	-0.113	-0.313	-0.200
21	99	-0.131	-0.303	-0.172
21	100	-0.117	-0.286	-0.169
31	91	-0.123	-0.308	-0.185
31	92	-0.126	-0.346	-0.220
31	93	-0.138	-0.341	-0.203
31	94	-0.130	-0.186	-0.056
31	95	-0.122	-0.334	-0.212
51	86	-0.133	-0.336	-0.203
51	87	-0.122	-0.347	-0.225
51	88	-0.115	-0.352	-0.237
51	89	-0.120	-0.314	-0.194
51	90	-0.132	-0.348	-0.216
	Max	0.480	0.308	-0.056
	Average	-0.109	-0.313	-0.204
	Min	-0.141	-0.368	-0.258
	Std Dev	0.086	0.094	0.032



3.6_VrefCurrent5V							
Test Site	Junkins - Dallas						
Tester	FEST36408						
Test Number	EB545302						
Max Limit	15 nA						
Min Limit	-15 nA						
krad	0	20	21	30	31	50	51
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	-0.359	-0.315	-0.313	-0.354	-0.346	-0.368	-0.352
Average	-0.317	-0.302	-0.181	-0.324	-0.303	-0.339	-0.339
Max	-0.292	-0.292	0.308	-0.305	-0.186	-0.319	-0.314
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

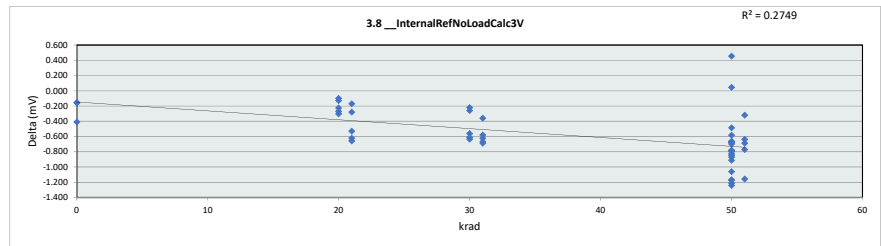


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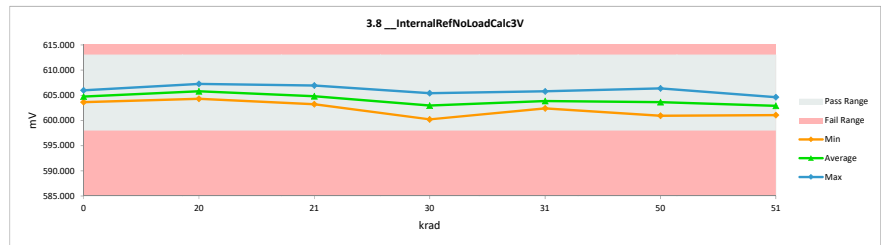
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3.8 InternalRefNoLoadCalc3V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	603.782	603.627	-0.155
0	52	606.397	605.986	-0.411
0	53	604.803	604.644	-0.159
20	81	605.337	605.207	-0.130
20	82	605.882	605.783	-0.099
20	83	604.611	604.308	-0.303
20	84	606.730	606.459	-0.271
20	85	607.492	607.266	-0.226
30	76	600.859	600.225	-0.634
30	77	605.628	605.407	-0.221
30	78	603.189	602.929	-0.260
30	79	602.951	602.340	-0.611
30	80	604.403	603.842	-0.561
50	54	604.800	604.846	0.046
50	55	601.862	601.279	-0.583
50	56	603.668	602.824	-0.844
50	57	605.171	604.000	-1.171
50	58	604.490	603.621	-0.869
50	59	607.056	606.275	-0.781
50	60	607.198	606.371	-0.827
50	61	602.385	601.899	-0.486
50	62	604.980	604.303	-0.677
50	63	601.706	600.925	-0.781
50	64	605.154	603.914	-1.240
50	65	605.261	604.349	-0.912
50	66	603.661	602.450	-1.211
50	67	604.539	603.873	-0.666
50	68	604.474	603.776	-0.698
50	69	604.182	603.384	-0.798
50	70	603.778	603.097	-0.681
50	71	603.513	602.346	-1.167
50	72	606.335	605.275	-1.060
50	73	603.440	603.894	0.454
50	74	604.396	603.724	-0.672
50	75	604.330	603.669	-0.661
21	96	607.108	606.938	-0.170
21	97	603.868	603.246	-0.622
21	98	606.117	605.836	-0.281
21	99	605.461	604.804	-0.657
21	100	603.757	603.227	-0.530
31	91	603.742	603.121	-0.621
31	92	603.088	602.400	-0.688
31	93	606.453	605.784	-0.669
31	94	604.012	603.432	-0.580
31	95	604.947	604.588	-0.359
51	86	604.664	603.894	-0.770
51	87	605.311	604.623	-0.688
51	88	603.117	602.480	-0.637
51	89	601.374	601.055	-0.319
51	90	603.696	602.539	-1.157
Max		607.492	607.266	0.454
Average		604.503	603.922	-0.581
Min		600.859	600.225	-1.240
Std Dev		1.518	1.585	0.346



3.8 InternalRefNoLoadCalc3V							
krad	0	20	21	30	31	50	51
LL	598.000	598.000	598.000	598.000	598.000	598.000	598.000
Min	603.627	604.308	603.227	600.225	602.400	600.925	601.055
Average	604.752	605.805	604.810	602.949	603.855	603.641	602.918
Max	605.986	607.266	606.938	605.407	605.784	606.371	604.623
UL	613.000	613.000	613.000	613.000	613.000	613.000	613.000

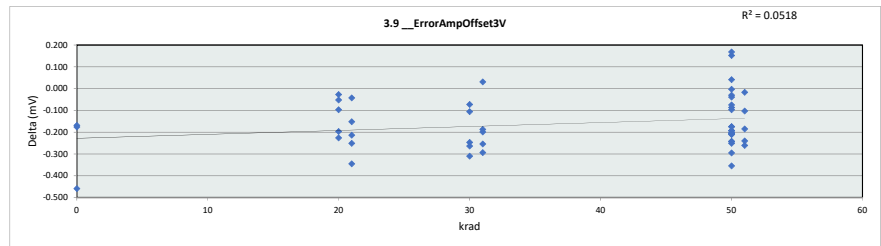


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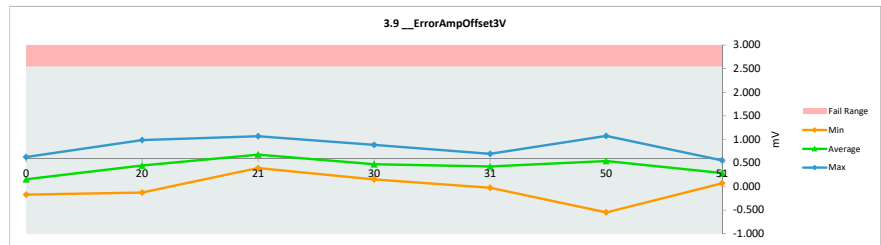
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3.9_ErrorAmpOffset3V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	0.188	0.012	-0.176
0	52	0.287	-0.172	-0.459
0	53	0.795	0.626	-0.169
20	81	0.804	0.607	-0.197
20	82	0.802	0.576	-0.226
20	83	-0.098	-0.125	-0.027
20	84	1.039	0.987	-0.052
20	85	0.277	0.180	-0.097
30	76	0.398	0.151	-0.247
30	77	0.513	0.407	-0.106
30	78	0.239	0.166	-0.073
30	79	1.019	0.755	-0.264
30	80	1.195	0.885	-0.310
50	54	0.256	0.424	0.168
50	55	0.480	0.185	-0.295
50	56	0.845	0.815	-0.030
50	57	0.971	0.727	-0.244
50	58	0.565	0.562	-0.003
50	59	0.170	0.083	-0.087
50	60	1.114	1.075	-0.039
50	61	0.500	0.652	0.152
50	62	1.161	0.968	-0.193
50	63	0.636	0.539	-0.097
50	64	0.987	0.812	-0.175
50	65	0.337	0.378	0.041
50	66	0.309	0.101	-0.208
50	67	1.060	0.853	-0.207
50	68	0.582	0.407	-0.175
50	69	0.874	0.799	-0.075
50	70	0.735	0.542	-0.193
50	71	1.000	0.749	-0.251
50	72	-0.193	-0.548	-0.355
50	73	0.531	0.289	-0.242
50	74	0.660	0.459	-0.201
50	75	1.269	1.058	-0.211
21	96	1.203	1.051	-0.152
21	97	0.645	0.394	-0.251
21	98	1.109	1.066	-0.043
21	99	0.680	0.466	-0.214
21	100	0.757	0.412	-0.345
31	91	0.228	-0.026	-0.254
31	92	0.882	0.695	-0.187
31	93	0.773	0.574	-0.199
31	94	0.501	0.207	-0.294
31	95	0.651	0.682	0.031
51	86	0.392	0.289	-0.103
51	87	0.288	0.103	-0.185
51	88	0.311	0.071	-0.240
51	89	0.426	0.409	-0.017
51	90	0.817	0.556	-0.261
Max		1.269	1.075	0.168
Average		0.639	0.479	-0.161
Min		-0.193	-0.548	-0.459
Std Dev		0.349	0.361	0.124



3.9_ErrorAmpOffset3V							
krad	0	20	21	30	31	50	51
LL	-0.172	-0.125	0.394	0.151	-0.026	-0.548	0.071
Average	0.155	0.445	0.678	0.473	0.426	0.542	0.286
Max	0.626	0.987	1.066	0.885	0.695	1.075	0.556
UL	2.550	2.550	2.550	2.550	2.550	2.550	2.550





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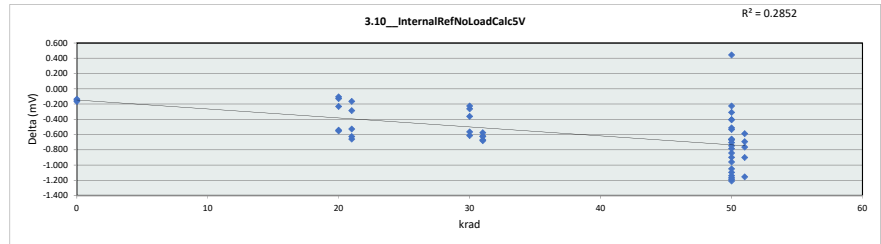
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3.10\_InternalRefNoLoadCalc5V

Test Site	Junkins - Dallas	Junkins - Dallas
Tester	FEST36408	FEST36412
Test Number	EB545302	EB545302
Unit	mV	mV
Max Limit	613	613
Min Limit	598	598

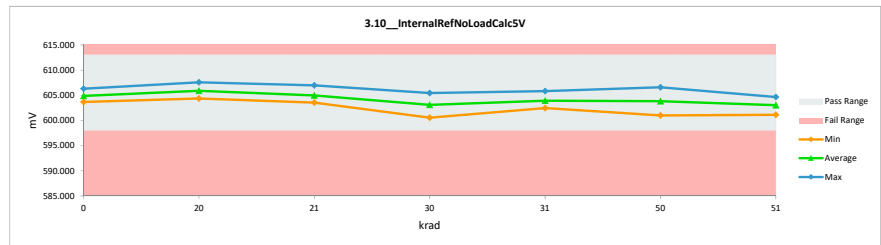
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	603.834	603.686	-0.148
0	52	606.437	606.302	-0.135
0	53	604.855	604.689	-0.166
20	81	605.375	605.246	-0.129
20	82	605.927	605.821	-0.106
20	83	604.931	604.379	-0.552
20	84	607.018	606.476	-0.542
20	85	607.801	607.570	-0.231
30	76	600.920	600.559	-0.361
30	77	605.678	605.452	-0.226
30	78	603.253	602.990	-0.263
30	79	603.284	602.671	-0.613
30	80	604.434	603.869	-0.565
50	54	605.110	604.885	-0.225
50	55	601.936	601.627	-0.309
50	56	603.716	602.874	-0.842
50	57	605.215	604.315	-0.900
50	58	604.807	603.667	-1.140
50	59	607.097	606.583	-0.514
50	60	607.499	606.403	-1.096
50	61	602.712	601.964	-0.748
50	62	605.018	604.612	-0.406
50	63	602.066	601.016	-1.050
50	64	605.200	604.240	-0.960
50	65	605.577	604.391	-1.186
50	66	603.993	602.784	-1.209
50	67	604.573	603.904	-0.669
50	68	604.513	603.807	-0.706
50	69	604.243	603.709	-0.534
50	70	603.846	603.443	-0.403
50	71	603.850	602.683	-1.167
50	72	606.354	605.568	-0.786
50	73	603.765	604.208	0.443
50	74	604.450	603.783	-0.667
50	75	604.386	603.727	-0.659
21	96	607.151	606.987	-0.164
21	97	604.204	603.578	-0.626
21	98	606.143	605.856	-0.287
21	99	605.501	604.841	-0.660
21	100	604.081	603.554	-0.527
31	91	603.788	603.165	-0.623
31	92	603.136	602.456	-0.680
31	93	606.499	605.829	-0.670
31	94	604.060	603.485	-0.575
31	95	605.268	604.644	-0.624
51	86	604.973	604.208	-0.765
51	87	605.344	604.651	-0.693
51	88	603.439	602.538	-0.901
51	89	601.718	601.129	-0.589
51	90	603.754	602.600	-1.154
Max		607.801	607.570	0.443
Average		604.655	604.068	-0.586
Min		600.920	600.559	-1.209
Std Dev		1.493	1.564	0.344



3.10\_InternalRefNoLoadCalc5V

Test Site	Junkins - Dallas
Tester	FEST36408
Test Number	EB545302
Max Limit	613 mV
Min Limit	598 mV

krad	0	20	21	30	31	50	51
LL	598.000	598.000	598.000	598.000	598.000	598.000	598.000
Min	603.686	604.379	603.554	600.559	602.456	601.016	601.129
Average	604.892	605.898	604.963	603.108	603.916	603.827	603.025
Max	606.302	607.570	606.987	605.452	605.829	606.583	604.651
UL	613.000	613.000	613.000	613.000	613.000	613.000	613.000

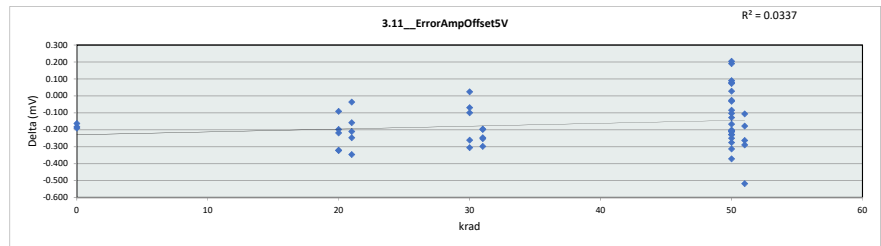


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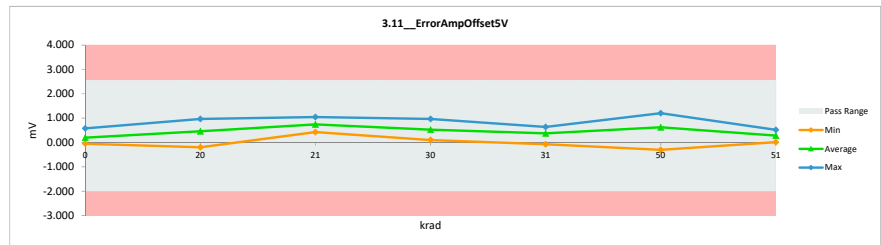
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3.1.1_ErrorAmpOffsetSV				
Test Site	Junkins - Dallas		Junkins - Dallas	
Tester	FEST36408		FEST36412	
Test Number	EB545302		EB545302	
Unit	mV		mV	
Max Limit	2.55		2.55	
Min Limit	-2		-2	
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	0.137	-0.046	-0.183
0	52	0.246	0.056	-0.190
0	53	0.744	0.581	-0.163
20	81	0.766	0.568	-0.198
20	82	0.757	0.538	-0.219
20	83	0.125	-0.196	-0.321
20	84	1.293	0.970	-0.323
20	85	0.511	0.420	-0.091
30	76	0.337	0.361	0.024
30	77	0.463	0.363	-0.100
30	78	0.175	0.105	-0.070
30	79	1.229	0.968	-0.261
30	80	1.164	0.858	-0.306
50	54	0.489	0.385	-0.104
50	55	0.407	0.381	-0.026
50	56	0.797	0.765	-0.032
50	57	0.927	0.955	0.028
50	58	0.791	0.516	-0.275
50	59	0.129	0.319	0.190
50	60	1.356	1.043	-0.313
50	61	0.716	0.588	-0.128
50	62	1.123	1.203	0.080
50	63	0.820	0.448	-0.372
50	64	0.941	1.031	0.090
50	65	0.564	0.336	-0.228
50	66	0.520	0.311	-0.209
50	67	1.025	0.823	-0.202
50	68	0.543	0.376	-0.167
50	69	0.813	1.017	0.204
50	70	0.667	0.740	0.073
50	71	1.206	0.956	-0.250
50	72	-0.213	-0.298	-0.085
50	73	0.748	0.519	-0.229
50	74	0.606	0.400	-0.206
50	75	1.212	1.000	-0.212
21	96	1.161	1.003	-0.158
21	97	0.852	0.605	-0.247
21	98	1.083	1.046	-0.037
21	99	0.640	0.430	-0.210
21	100	0.975	0.629	-0.346
31	91	0.183	-0.070	-0.253
31	92	0.835	0.639	-0.196
31	93	0.727	0.529	-0.198
31	94	0.453	0.155	-0.298
31	95	0.873	0.626	-0.247
51	86	0.625	0.519	-0.106
51	87	0.254	0.076	-0.178
51	88	0.532	0.014	-0.518
51	89	0.625	0.335	-0.290
51	90	0.759	0.496	-0.263
Max		1.356	1.203	0.204
Average		0.694	0.528	-0.166
Min		-0.213	-0.298	-0.518
Std Dev		0.351	0.357	0.144



3.1.1_ErrorAmpOffsetSV							
Test Site	Junkins - Dallas						
Tester	FEST36408						
Test Number	EB545302						
Max Limit	2.55 mV						
Min Limit	-2 mV						
krad	0	20	21	30	31	50	51
LL	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000
Min	-0.046	-0.196	0.430	0.105	-0.070	-0.298	0.014
Average	0.197	0.460	0.743	0.531	0.376	0.628	0.288
Max	0.581	0.970	1.046	0.968	0.639	1.203	0.519
UL	2.550	2.550	2.550	2.550	2.550	2.550	2.550

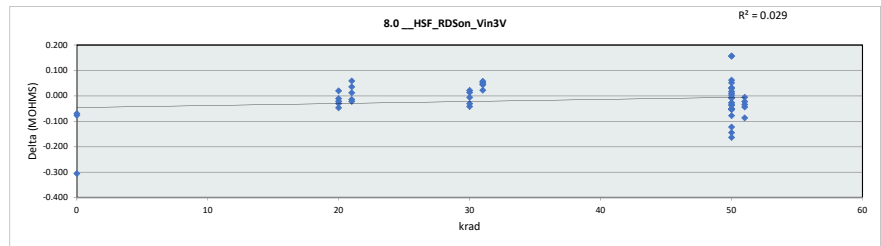


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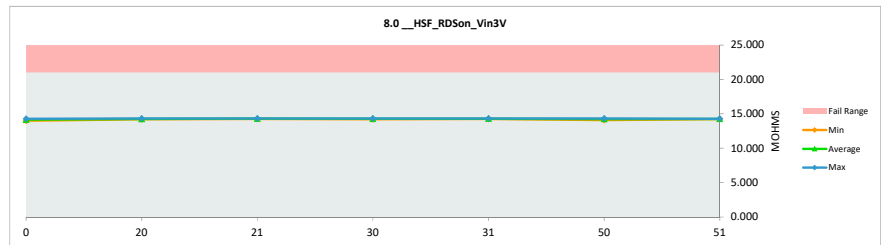
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8.0_HSF_RDson_Vin3V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	14.274	14.198	-0.076
0	52	14.297	13.991	-0.306
0	53	14.358	14.288	-0.070
20	81	14.316	14.269	-0.047
20	82	14.280	14.250	-0.030
20	83	14.344	14.333	-0.011
20	84	14.235	14.214	-0.021
20	85	14.243	14.263	0.020
30	76	14.273	14.294	0.022
30	77	14.337	14.295	-0.042
30	78	14.315	14.309	-0.006
30	79	14.325	14.338	0.013
30	80	14.248	14.217	-0.031
50	54	14.262	14.230	-0.032
50	55	14.263	14.280	0.017
50	56	14.276	14.250	-0.026
50	57	14.249	14.127	-0.123
50	58	14.300	14.329	0.029
50	59	14.331	14.168	-0.163
50	60	14.302	14.335	0.033
50	61	14.303	14.252	-0.051
50	62	14.333	14.279	-0.054
50	63	14.265	14.268	0.003
50	64	14.239	14.234	-0.005
50	65	14.295	14.305	0.010
50	66	14.236	14.092	-0.145
50	67	14.116	14.273	0.157
50	68	14.255	14.306	0.051
50	69	14.256	14.178	-0.078
50	70	14.321	14.268	-0.053
50	71	14.237	14.299	0.062
50	72	14.109	14.265	0.156
50	73	14.284	14.234	-0.051
50	74	14.278	14.269	-0.009
50	75	14.315	14.278	-0.037
21	96	14.267	14.279	0.012
21	97	14.283	14.268	-0.015
21	98	14.338	14.316	-0.022
21	99	14.291	14.327	0.035
21	100	14.264	14.323	0.059
31	91	14.255	14.312	0.057
31	92	14.268	14.314	0.046
31	93	14.212	14.255	0.043
31	94	14.251	14.273	0.022
31	95	14.279	14.331	0.052
51	86	14.308	14.286	-0.023
51	87	14.349	14.263	-0.087
51	88	14.329	14.295	-0.034
51	89	14.290	14.246	-0.044
51	90	14.294	14.288	-0.006
Max		14.358	14.338	0.157
Average		14.279	14.263	-0.016
Min		14.109	13.991	-0.306
Std Dev		0.049	0.064	0.074



8.0_HSF_RDson_Vin3V							
krad	0	20	21	30	31	50	51
LL							
Min	13.991	14.214	14.268	14.218	14.255	14.092	14.246
Average	14.159	14.266	14.303	14.291	14.297	14.251	14.276
Max	14.288	14.333	14.327	14.338	14.338	14.335	14.295
UL	21.000	21.000	21.000	21.000	21.000	21.000	21.000

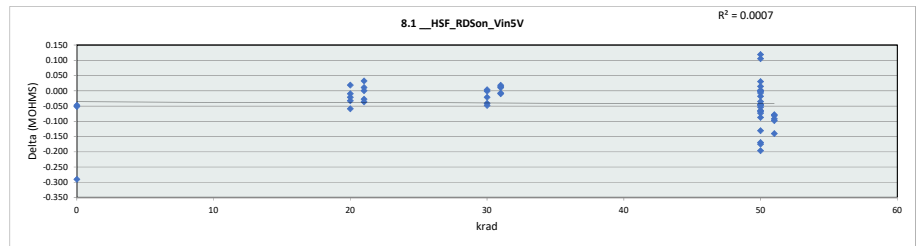


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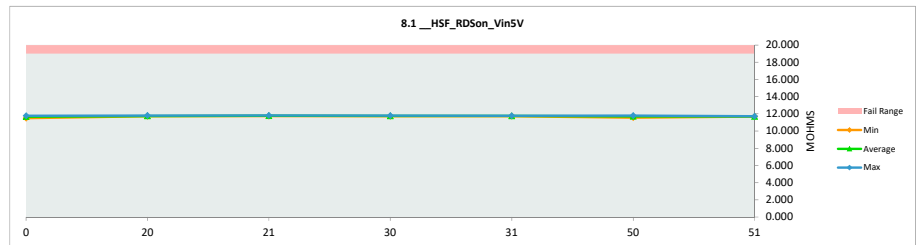
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8.1_HSF_RDson_Vin5V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	11.753	11.701	-0.051
0	52	11.790	11.500	-0.291
0	53	11.828	11.780	-0.047
20	81	11.808	11.749	-0.059
20	82	11.764	11.731	-0.033
20	83	11.820	11.810	-0.010
20	84	11.750	11.729	-0.021
20	85	11.743	11.761	0.018
30	76	11.765	11.763	-0.002
30	77	11.815	11.774	-0.041
30	78	11.781	11.760	-0.021
30	79	11.798	11.801	0.004
30	80	11.780	11.732	-0.048
50	54	11.764	11.746	-0.018
50	55	11.758	11.759	0.002
50	56	11.779	11.734	-0.045
50	57	11.770	11.600	-0.170
50	58	11.789	11.803	0.014
50	59	11.810	11.614	-0.196
50	60	11.799	11.799	0.000
50	61	11.786	11.713	-0.073
50	62	11.811	11.746	-0.065
50	63	11.772	11.724	-0.048
50	64	11.749	11.704	-0.045
50	65	11.760	11.753	-0.007
50	66	11.742	11.567	-0.175
50	67	11.624	11.729	0.105
50	68	11.760	11.759	-0.002
50	69	11.759	11.629	-0.131
50	70	11.818	11.731	-0.087
50	71	11.727	11.757	0.030
50	72	11.598	11.717	0.119
50	73	11.779	11.712	-0.067
50	74	11.784	11.748	-0.035
50	75	11.779	11.726	-0.054
21	96	11.760	11.760	0.000
21	97	11.768	11.741	-0.028
21	98	11.849	11.813	-0.036
21	99	11.806	11.816	0.010
21	100	11.764	11.796	0.032
31	91	11.756	11.766	0.010
31	92	11.766	11.779	0.013
31	93	11.715	11.733	0.018
31	94	11.762	11.752	-0.010
31	95	11.791	11.783	-0.008
51	86	11.799	11.721	-0.078
51	87	11.837	11.696	-0.140
51	88	11.824	11.727	-0.098
51	89	11.778	11.686	-0.092
51	90	11.787	11.706	-0.081
Max		11.849	11.816	0.119
Average		11.773	11.733	-0.041
Min		11.598	11.500	-0.291
Std Dev		0.044	0.062	0.071



8.1_HSF_RDson_Vin5V							
krad	0	20	21	30	31	50	51
LL		11.729	11.741	11.732	11.733	11.567	11.686
Min	11.500	11.729	11.741	11.732	11.733	11.567	11.686
Average	11.660	11.756	11.785	11.766	11.801	11.717	11.707
Max	11.780	11.810	11.816	11.801	11.783	11.803	11.727
UL	19.000	19.000	19.000	19.000	19.000	19.000	19.000

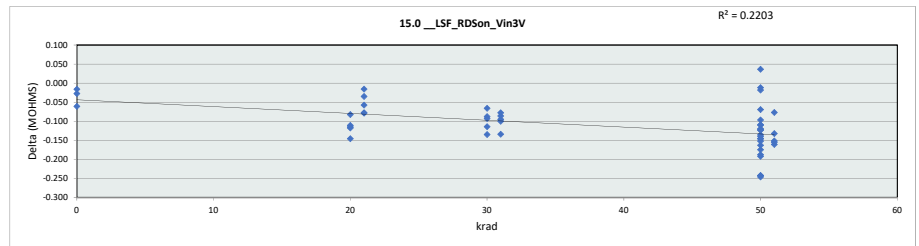


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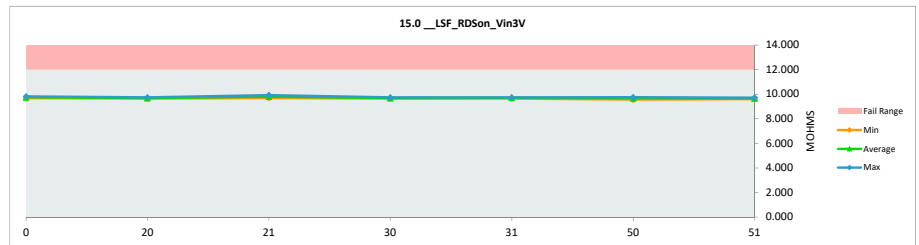
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15.0_LSF_RDson_Vin3V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	9.735	9.674	-0.061
0	52	9.773	9.746	-0.027
0	53	9.827	9.811	-0.016
20	81	9.749	9.638	-0.111
20	82	9.801	9.656	-0.146
20	83	9.806	9.691	-0.115
20	84	9.813	9.730	-0.082
20	85	9.816	9.698	-0.118
30	76	9.770	9.635	-0.135
30	77	9.732	9.666	-0.066
30	78	9.813	9.720	-0.093
30	79	9.770	9.656	-0.114
30	80	9.823	9.735	-0.088
50	54	9.819	9.573	-0.246
50	55	9.850	9.676	-0.175
50	56	9.853	9.701	-0.152
50	57	9.859	9.617	-0.242
50	58	9.831	9.639	-0.192
50	59	9.811	9.623	-0.188
50	60	9.817	9.694	-0.122
50	61	9.839	9.694	-0.145
50	62	9.807	9.688	-0.120
50	63	9.786	9.689	-0.097
50	64	9.852	9.717	-0.135
50	65	9.791	9.645	-0.146
50	66	9.702	9.562	-0.139
50	67	9.626	9.663	0.036
50	68	9.749	9.680	-0.069
50	69	9.765	9.655	-0.110
50	70	9.816	9.653	-0.163
50	71	9.724	9.706	-0.018
50	72	9.672	9.661	-0.012
50	73	9.870	9.627	-0.243
50	74	9.856	9.747	-0.109
50	75	9.816	9.692	-0.123
21	96	9.777	9.700	-0.078
21	97	9.767	9.689	-0.078
21	98	9.934	9.919	-0.015
21	99	9.909	9.874	-0.035
21	100	9.858	9.800	-0.058
31	91	9.819	9.733	-0.086
31	92	9.824	9.729	-0.095
31	93	9.862	9.728	-0.134
31	94	9.711	9.633	-0.078
31	95	9.791	9.691	-0.100
51	86	9.834	9.680	-0.155
51	87	9.773	9.640	-0.132
51	88	9.790	9.713	-0.077
51	89	9.786	9.634	-0.152
51	90	9.757	9.597	-0.161
Max		9.934	9.919	0.036
Average		9.799	9.688	-0.110
Min		9.626	9.562	-0.246
Std Dev		0.057	0.065	0.060



15.0_LSF_RDson_Vin3V							
krad	0	20	21	30	31	50	51
LL	9.674	9.638	9.689	9.635	9.633	9.562	9.597
Average	9.743	9.683	9.796	9.682	9.703	9.664	9.653
Max	9.811	9.730	9.919	9.735	9.733	9.747	9.713
UL	12.000	12.000	12.000	12.000	12.000	12.000	12.000

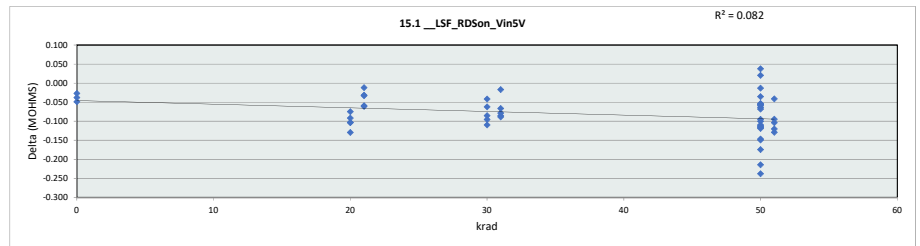


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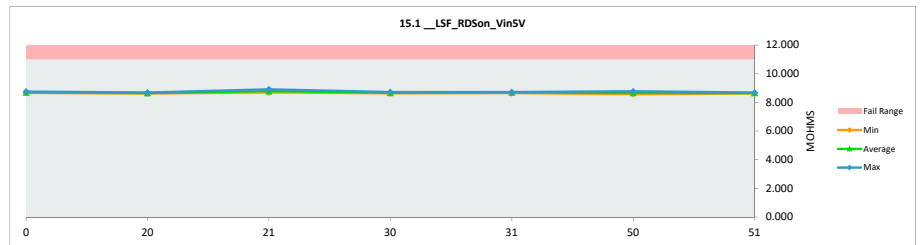
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15.1_LSF_RDson_Vin5V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	8.687	8.660	-0.027
0	52	8.739	8.691	-0.049
0	53	8.789	8.751	-0.038
20	81	8.719	8.616	-0.103
20	82	8.748	8.618	-0.129
20	83	8.749	8.658	-0.091
20	84	8.758	8.683	-0.075
20	85	8.783	8.679	-0.103
30	76	8.722	8.627	-0.095
30	77	8.689	8.648	-0.041
30	78	8.788	8.703	-0.085
30	79	8.755	8.645	-0.110
30	80	8.776	8.714	-0.062
50	54	8.808	8.571	-0.238
50	55	8.806	8.691	-0.115
50	56	8.810	8.691	-0.119
50	57	8.816	8.642	-0.174
50	58	8.767	8.620	-0.146
50	59	8.750	8.601	-0.149
50	60	8.737	8.672	-0.064
50	61	8.775	8.680	-0.095
50	62	8.755	8.702	-0.053
50	63	8.743	8.688	-0.056
50	64	8.811	8.699	-0.112
50	65	8.730	8.662	-0.068
50	66	8.684	8.584	-0.100
50	67	8.619	8.657	0.038
50	68	8.727	8.691	-0.035
50	69	8.726	8.669	-0.057
50	70	8.763	8.647	-0.116
50	71	8.687	8.674	-0.013
50	72	8.646	8.667	0.021
50	73	8.844	8.630	-0.214
50	74	8.828	8.769	-0.059
50	75	8.780	8.670	-0.110
21	96	8.751	8.692	-0.059
21	97	8.736	8.705	-0.032
21	98	8.919	8.908	-0.012
21	99	8.908	8.847	-0.061
21	100	8.826	8.793	-0.033
31	91	8.734	8.717	-0.017
31	92	8.793	8.708	-0.086
31	93	8.804	8.715	-0.089
31	94	8.713	8.647	-0.067
31	95	8.768	8.689	-0.079
51	86	8.788	8.668	-0.120
51	87	8.751	8.648	-0.104
51	88	8.726	8.685	-0.041
51	89	8.748	8.620	-0.129
51	90	8.733	8.638	-0.095
Max		8.919	8.908	0.038
Average		8.760	8.679	-0.081
Min		8.619	8.571	-0.238
Std Dev		0.055	0.059	0.052



15.1_LSF_RDson_Vin5V							
krad	0	20	21	30	31	50	51
LL							
Min	8.660	8.616	8.692	8.627	8.647	8.571	8.620
Average	8.701	8.651	8.789	8.667	8.695	8.663	8.652
Max	8.751	8.683	8.908	8.714	8.717	8.769	8.685
UL	11.000	11.000	11.000	11.000	11.000	11.000	11.000

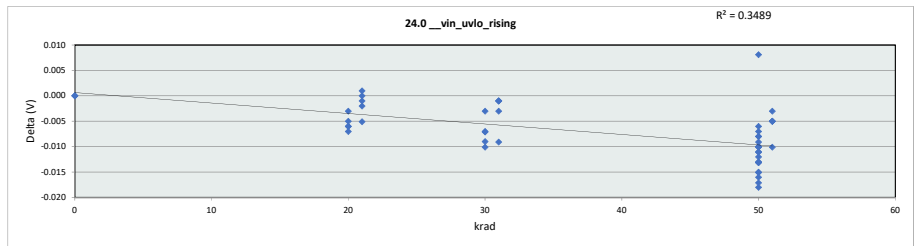


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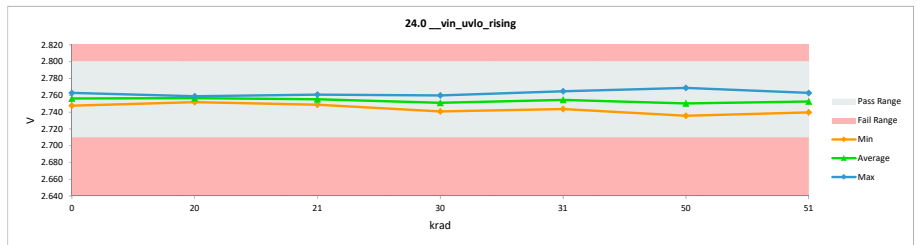
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24.0_vin_uvlo_rising				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	2.748	2.748	0.000
0	52	2.758	2.758	0.000
0	53	2.763	2.763	0.000
20	81	2.766	2.759	-0.007
20	82	2.764	2.758	-0.006
20	83	2.758	2.752	-0.006
20	84	2.761	2.756	-0.005
20	85	2.762	2.759	-0.003
30	76	2.751	2.741	-0.010
30	77	2.764	2.755	-0.009
30	78	2.763	2.760	-0.003
30	79	2.760	2.753	-0.007
30	80	2.754	2.747	-0.007
50	54	2.758	2.747	-0.011
50	55	2.757	2.744	-0.013
50	56	2.748	2.756	0.008
50	57	2.769	2.751	-0.018
50	58	2.756	2.743	-0.013
50	59	2.768	2.758	-0.010
50	60	2.768	2.752	-0.016
50	61	2.762	2.747	-0.015
50	62	2.767	2.754	-0.013
50	63	2.759	2.742	-0.017
50	64	2.764	2.756	-0.008
50	65	2.762	2.756	-0.006
50	66	2.777	2.769	-0.008
50	67	2.763	2.753	-0.010
50	68	2.747	2.736	-0.011
50	69	2.770	2.755	-0.015
50	70	2.770	2.758	-0.012
50	71	2.758	2.751	-0.007
50	72	2.753	2.740	-0.013
50	73	2.754	2.745	-0.009
50	74	2.758	2.748	-0.010
50	75	2.762	2.752	-0.010
21	96	2.754	2.749	-0.005
21	97	2.752	2.750	-0.002
21	98	2.757	2.757	0.000
21	99	2.761	2.760	-0.001
21	100	2.760	2.761	0.001
31	91	2.763	2.760	-0.003
31	92	2.745	2.744	-0.001
31	93	2.766	2.765	-0.001
31	94	2.758	2.749	-0.009
31	95	2.757	2.756	-0.001
51	86	2.750	2.740	-0.010
51	87	2.768	2.763	-0.005
51	88	2.764	2.759	-0.005
51	89	2.749	2.744	-0.005
51	90	2.761	2.758	-0.003
Max		2.777	2.769	0.008
Average		2.760	2.753	-0.007
Min		2.745	2.736	-0.018
Std Dev		0.007	0.007	0.005



24.0_vin_uvlo_rising							
krad	0	20	21	30	31	50	51
LL	2.710	2.710	2.710	2.710	2.710	2.710	2.710
Min	2.748	2.752	2.749	2.741	2.744	2.736	2.740
Average	2.756	2.757	2.755	2.751	2.755	2.750	2.753
Max	2.763	2.759	2.761	2.760	2.765	2.769	2.763
UL	2.800	2.800	2.800	2.800	2.800	2.800	2.800

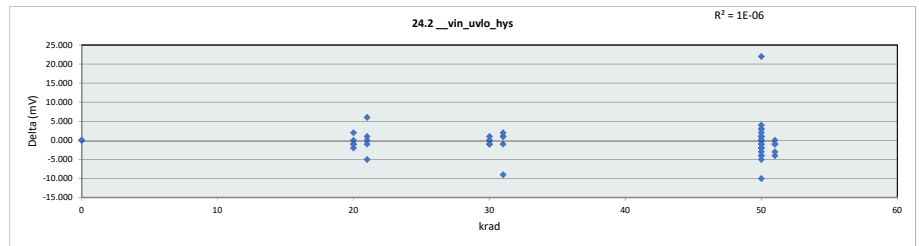


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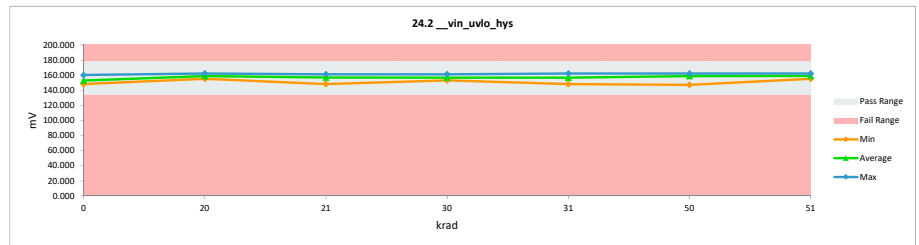
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24.2_vin_uvlo_hys				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	148.148	148.148	0.000
0	52	150.150	150.150	0.000
0	53	160.160	160.160	0.000
20	81	162.162	161.161	-1.001
20	82	162.162	162.162	0.000
20	83	157.157	155.155	-2.002
20	84	159.159	158.158	-1.001
20	85	155.155	157.157	2.002
30	76	154.154	153.153	-1.001
30	77	152.152	153.153	1.001
30	78	162.162	161.161	-1.001
30	79	155.155	155.155	0.000
30	80	161.161	161.161	0.000
50	54	157.157	161.161	4.004
50	55	161.161	161.161	0.000
50	56	140.140	162.162	22.022
50	57	161.161	151.151	-10.010
50	58	160.160	156.156	-4.004
50	59	162.162	161.161	-1.001
50	60	162.162	161.161	-1.001
50	61	162.162	160.160	-2.002
50	62	161.161	162.162	1.001
50	63	158.158	159.159	1.001
50	64	158.158	161.161	3.003
50	65	162.162	162.162	0.000
50	66	161.161	161.161	0.000
50	67	158.158	161.161	3.003
50	68	146.146	147.147	1.001
50	69	159.159	154.154	-5.005
50	70	160.160	158.158	-2.002
50	71	161.161	158.158	-3.003
50	72	157.157	157.157	0.000
50	73	158.158	160.160	2.002
50	74	161.161	161.161	0.000
50	75	159.159	155.155	-4.004
21	96	153.153	148.148	-5.005
21	97	158.158	157.157	-1.001
21	98	155.155	161.161	6.006
21	99	157.157	158.158	1.001
21	100	160.160	160.160	0.000
31	91	163.163	162.162	-1.001
31	92	154.154	156.156	2.002
31	93	160.160	161.161	1.001
31	94	157.157	148.148	-9.009
31	95	155.155	156.156	1.001
51	86	161.161	160.160	-1.001
51	87	162.162	162.162	0.000
51	88	161.161	157.157	-4.004
51	89	158.158	155.155	-3.003
51	90	161.161	160.160	-1.001
Max		163.163	162.162	22.022
Average		158.078	157.838	-0.240
Min		140.140	147.147	-10.010
Std Dev		4.593	4.254	4.264



24.2_vin_uvlo_hys							
krad	0	20	21	30	31	50	51
LL	134.000	134.000	134.000	134.000	134.000	134.000	134.000
Min	148.148	155.155	148.148	153.153	148.148	147.147	155.155
Average	152.819	158.759	156.957	156.757	156.757	158.750	158.959
Max	160.160	162.162	161.161	161.161	161.161	162.162	162.162
UL	178.000	178.000	178.000	178.000	178.000	178.000	178.000



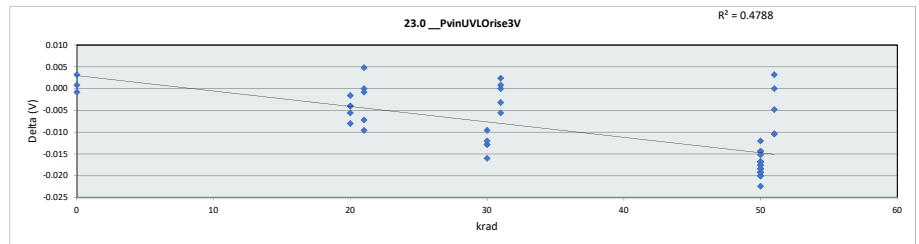


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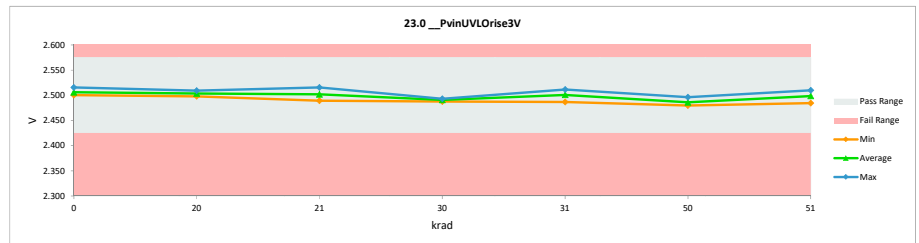
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23.0_pvinUVLOrise3V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	2.501	2.500	-0.001
0	52	2.512	2.516	0.003
0	53	2.501	2.502	0.001
20	81	2.507	2.501	-0.006
20	82	2.506	2.498	-0.008
20	83	2.508	2.504	-0.004
20	84	2.509	2.505	-0.004
20	85	2.511	2.509	-0.002
30	76	2.504	2.488	-0.016
30	77	2.506	2.493	-0.013
30	78	2.502	2.492	-0.010
30	79	2.505	2.493	-0.012
30	80	2.500	2.488	-0.013
50	54	2.504	2.484	-0.019
50	55	2.501	2.487	-0.014
50	56	2.502	2.480	-0.022
50	57	2.504	2.489	-0.014
50	58	2.502	2.484	-0.018
50	59	2.509	2.489	-0.020
50	60	2.505	2.488	-0.017
50	61	2.501	2.482	-0.019
50	62	2.504	2.488	-0.017
50	63	2.499	2.482	-0.017
50	64	2.504	2.485	-0.019
50	65	2.501	2.484	-0.017
50	66	2.505	2.485	-0.020
50	67	2.500	2.482	-0.018
50	68	2.508	2.496	-0.012
50	69	2.504	2.484	-0.020
50	70	2.504	2.486	-0.018
50	71	2.508	2.494	-0.014
50	72	2.502	2.483	-0.019
50	73	2.504	2.486	-0.018
50	74	2.503	2.485	-0.018
50	75	2.502	2.487	-0.015
21	96	2.508	2.512	0.005
21	97	2.516	2.516	0.000
21	98	2.499	2.492	-0.007
21	99	2.502	2.501	-0.001
21	100	2.499	2.489	-0.010
31	91	2.491	2.491	0.000
31	92	2.492	2.487	-0.006
31	93	2.508	2.511	0.002
31	94	2.508	2.504	-0.003
31	95	2.511	2.512	0.001
51	86	2.504	2.499	-0.005
51	87	2.510	2.510	0.000
51	88	2.507	2.510	0.003
51	89	2.495	2.484	-0.010
51	90	2.500	2.490	-0.010
	Max	2.516	2.516	0.005
	Average	2.504	2.494	-0.010
	Min	2.491	2.480	-0.022
	Std Dev	0.005	0.010	0.008



23.0_pvinUVLOrise3V							
krad	0	20	21	30	31	50	51
LL	2.425	2.425	2.425	2.425	2.425	2.425	2.425
Min	2.500	2.498	2.489	2.488	2.487	2.480	2.484
Average	2.506	2.503	2.502	2.491	2.501	2.486	2.499
Max	2.516	2.509	2.516	2.493	2.512	2.496	2.510
UL	2.575	2.575	2.575	2.575	2.575	2.575	2.575

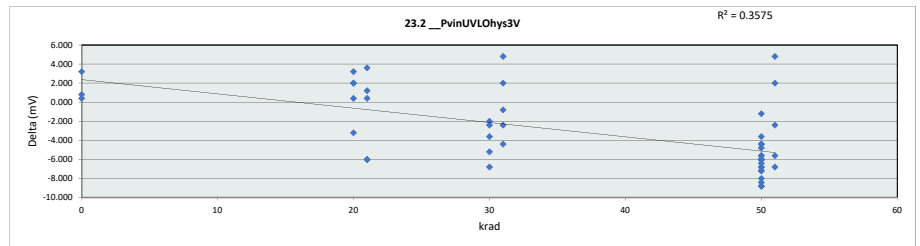


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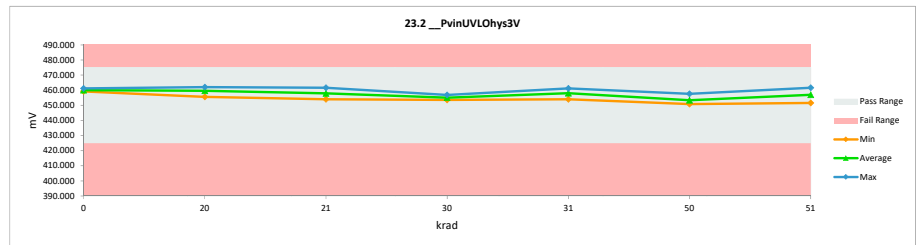
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23.2_PvinUVLOhys3V				
Test Site	Junkins - Dallas		Junkins - Dallas	
Tester	FEST36408		FEST36412	
Test Number	EB545302		EB545302	
Unit	mV		mV	
Max Limit	475		475	
Min Limit	425		425	
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	458.859	459.259	0.400
0	52	458.058	461.262	3.204
0	53	458.859	459.660	0.801
20	81	459.660	460.060	0.400
20	82	458.859	455.656	-3.203
20	83	458.058	460.060	2.002
20	84	457.257	460.460	3.203
20	85	460.060	462.062	2.002
30	76	458.859	453.654	-5.205
30	77	458.859	456.857	-2.002
30	78	457.257	454.854	-2.403
30	79	460.460	456.857	-3.603
30	80	460.460	453.654	-6.806
50	54	458.859	452.852	-6.007
50	55	460.060	452.853	-7.207
50	56	460.861	454.054	-6.807
50	57	460.060	455.255	-4.805
50	58	459.660	453.254	-6.406
50	59	459.659	455.255	-4.404
50	60	459.259	453.253	-6.006
50	61	458.859	452.853	-6.006
50	62	459.659	453.654	-6.005
50	63	460.060	451.652	-8.408
50	64	458.458	452.452	-6.006
50	65	460.060	454.054	-6.006
50	66	458.058	452.452	-5.606
50	67	460.460	451.652	-8.808
50	68	458.858	457.657	-1.201
50	69	458.458	454.054	-4.404
50	70	459.659	450.851	-8.808
50	71	458.858	455.255	-3.603
50	72	460.861	453.654	-7.207
50	73	458.859	453.253	-5.606
50	74	459.259	451.251	-8.008
50	75	459.660	452.853	-6.807
21	96	458.058	461.661	3.603
21	97	458.859	460.060	1.201
21	98	460.060	454.054	-6.006
21	99	459.660	460.060	0.400
21	100	460.060	454.054	-6.006
31	91	458.058	455.656	-2.402
31	92	458.458	454.054	-4.404
31	93	456.456	461.261	4.805
31	94	459.260	458.458	-0.802
31	95	458.859	460.861	2.002
51	86	458.859	456.457	-2.402
51	87	456.857	461.662	4.805
51	88	459.660	461.662	2.002
51	89	457.257	451.651	-5.606
51	90	460.460	453.654	-6.806
	Max	460.861	462.062	4.805
	Average	459.099	455.880	-3.219
	Min	456.456	450.851	-8.808
	Std Dev	1.033	3.435	3.915



23.2_PvinUVLOhys3V							
Test Site	Junkins - Dallas						
Tester	FEST36408						
Test Number	EB545302						
Max Limit	475 mV						
Min Limit	425 mV						
krad	0	20	21	30	31	50	51
LL	425.000	425.000	425.000	425.000	425.000	425.000	425.000
Min	459.259	455.656	454.054	453.654	454.054	450.851	451.651
Average	460.060	459.660	457.978	455.175	458.058	453.381	457.017
Max	461.262	462.062	461.661	456.857	456.857	457.657	461.662
UL	475.000	475.000	475.000	475.000	475.000	475.000	475.000

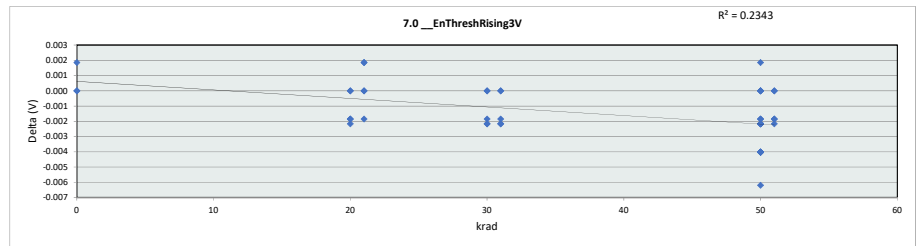


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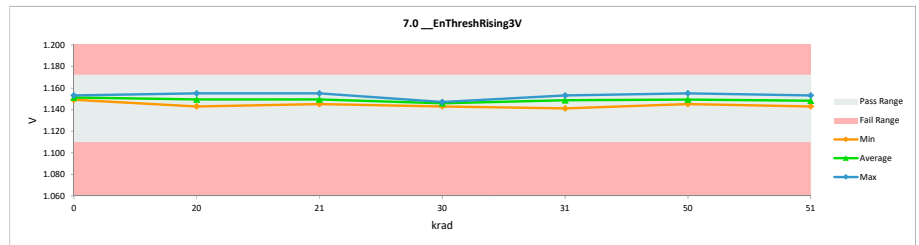
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7.0_EnThreshRising3V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	1.153	1.153	0.000
0	52	1.149	1.149	0.000
0	53	1.149	1.151	0.002
20	81	1.151	1.149	-0.002
20	82	1.151	1.151	0.000
20	83	1.155	1.155	0.000
20	84	1.145	1.143	-0.002
20	85	1.151	1.149	-0.002
30	76	1.147	1.147	0.000
30	77	1.149	1.147	-0.002
30	78	1.147	1.145	-0.002
30	79	1.149	1.147	-0.002
30	80	1.143	1.143	0.000
50	54	1.153	1.151	-0.002
50	55	1.153	1.153	0.000
50	56	1.149	1.147	-0.002
50	57	1.151	1.151	0.000
50	58	1.147	1.145	-0.002
50	59	1.153	1.147	-0.006
50	60	1.157	1.155	-0.002
50	61	1.145	1.147	0.002
50	62	1.155	1.153	-0.002
50	63	1.149	1.147	-0.002
50	64	1.151	1.147	-0.004
50	65	1.157	1.153	-0.004
50	66	1.153	1.149	-0.004
50	67	1.145	1.145	0.000
50	68	1.159	1.155	-0.004
50	69	1.149	1.145	-0.004
50	70	1.151	1.147	-0.004
50	71	1.149	1.145	-0.004
50	72	1.159	1.155	-0.004
50	73	1.149	1.147	-0.002
50	74	1.149	1.149	0.000
50	75	1.153	1.151	-0.002
21	96	1.153	1.155	0.002
21	97	1.149	1.151	0.002
21	98	1.145	1.145	0.000
21	99	1.147	1.145	-0.002
21	100	1.151	1.151	0.000
31	91	1.141	1.141	0.000
31	92	1.153	1.151	-0.002
31	93	1.155	1.153	-0.002
31	94	1.153	1.151	-0.002
31	95	1.147	1.147	0.000
51	86	1.147	1.145	-0.002
51	87	1.147	1.147	0.000
51	88	1.155	1.153	-0.002
51	89	1.145	1.143	-0.002
51	90	1.153	1.153	0.000
Max		1.159	1.155	0.002
Average		1.151	1.149	-0.001
Min		1.141	1.141	-0.006
Std Dev		0.004	0.004	0.002



7.0_EnThreshRising3V							
krad	0	20	21	30	31	50	51
LL	1.110	1.110	1.110	1.110	1.110	1.110	1.110
Min	1.149	1.143	1.145	1.143	1.141	1.145	1.143
Average	1.151	1.150	1.150	1.146	1.149	1.149	1.148
Max	1.153	1.155	1.155	1.147	1.153	1.155	1.153
UL	1.172	1.172	1.172	1.172	1.172	1.172	1.172

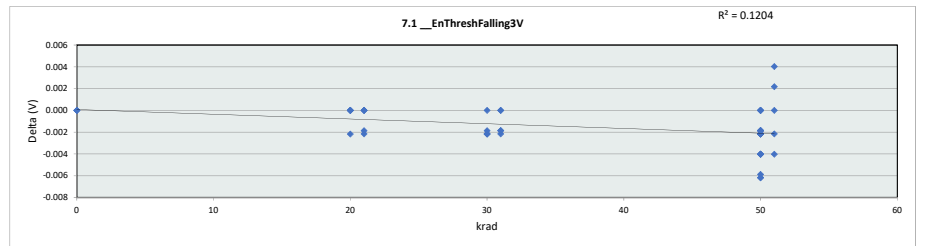


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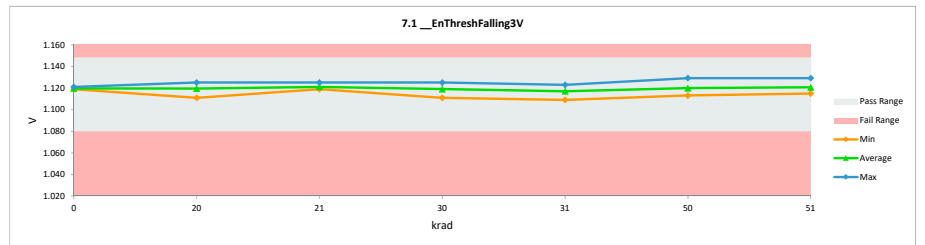
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7.1_EnThreshFalling3V				
Test Site	Junkins - Dallas	Junkins - Dallas		
Tester	FEST36408	FEST36412		
Test Number	EB545302	EB545302		
Unit	V	V		
Max Limit	1.148	1.148		
Min Limit	1.08	1.08		
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	1.121	1.121	0.000
0	52	1.119	1.119	0.000
0	53	1.119	1.119	0.000
20	81	1.121	1.121	0.000
20	82	1.117	1.115	-0.002
20	83	1.125	1.125	0.000
20	84	1.111	1.111	0.000
20	85	1.125	1.125	0.000
30	76	1.125	1.125	0.000
30	77	1.123	1.121	-0.002
30	78	1.121	1.119	-0.002
30	79	1.121	1.119	-0.002
30	80	1.113	1.111	-0.002
50	54	1.121	1.119	-0.002
50	55	1.121	1.121	0.000
50	56	1.123	1.121	-0.002
50	57	1.119	1.117	-0.002
50	58	1.117	1.115	-0.002
50	59	1.127	1.125	-0.002
50	60	1.129	1.123	-0.006
50	61	1.115	1.113	-0.002
50	62	1.125	1.123	-0.002
50	63	1.121	1.119	-0.002
50	64	1.127	1.123	-0.004
50	65	1.127	1.121	-0.006
50	66	1.121	1.119	-0.002
50	67	1.119	1.119	0.000
50	68	1.129	1.129	0.000
50	69	1.123	1.119	-0.004
50	70	1.119	1.119	0.000
50	71	1.121	1.117	-0.004
50	72	1.131	1.129	-0.002
50	73	1.117	1.113	-0.004
50	74	1.121	1.115	-0.006
50	75	1.121	1.119	-0.002
21	96	1.127	1.125	-0.002
21	97	1.121	1.121	0.000
21	98	1.119	1.119	0.000
21	99	1.121	1.119	-0.002
21	100	1.121	1.121	0.000
31	91	1.109	1.109	0.000
31	92	1.121	1.119	-0.002
31	93	1.123	1.123	0.000
31	94	1.123	1.121	-0.002
31	95	1.115	1.113	-0.002
51	86	1.119	1.115	-0.004
51	87	1.115	1.117	0.002
51	88	1.129	1.129	0.000
51	89	1.115	1.119	0.004
51	90	1.125	1.123	-0.002
Max	1.131	1.129	0.004	
Average	1.121	1.120	-0.002	
Min	1.109	1.109	-0.006	
Std Dev	0.005	0.005	0.002	



7.1_EnThreshFalling3V							
Test Site	Junkins - Dallas						
Tester	FEST36408						
Test Number	EB545302						
Max Limit	1.148 V						
Min Limit	1.08 V						
krad	0	20	21	30	31	50	51
LL	1.080	1.080	1.080	1.080	1.080	1.080	1.080
Min	1.119	1.111	1.119	1.111	1.109	1.113	1.115
Average	1.120	1.119	1.121	1.119	1.117	1.120	1.121
Max	1.121	1.125	1.125	1.125	1.123	1.129	1.129
UL	1.148	1.148	1.148	1.148	1.148	1.148	1.148

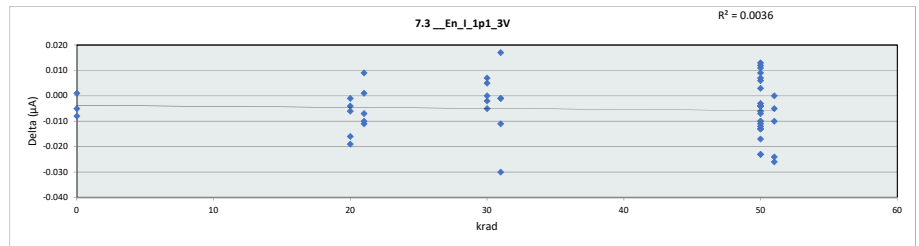


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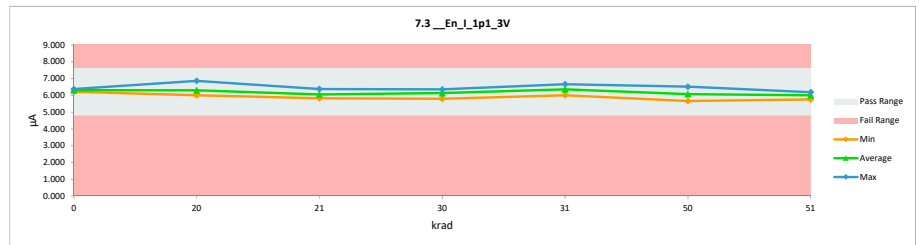
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7.3_En_I_1p1_3V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	6.215	6.207	-0.008
0	52	6.367	6.368	0.001
0	53	6.334	6.329	-0.005
20	81	6.106	6.105	-0.001
20	82	6.386	6.382	-0.004
20	83	6.152	6.133	-0.019
20	84	6.878	6.862	-0.016
20	85	6.005	5.999	-0.006
30	76	5.786	5.786	0.000
30	77	6.315	6.310	-0.005
30	78	6.180	6.178	-0.002
30	79	6.018	6.025	0.007
30	80	6.343	6.348	0.005
50	54	6.034	6.023	-0.011
50	55	5.991	6.003	0.012
50	56	5.750	5.738	-0.012
50	57	6.284	6.274	-0.010
50	58	6.105	6.101	-0.004
50	59	6.024	6.018	-0.006
50	60	5.913	5.910	-0.003
50	61	6.523	6.510	-0.013
50	62	5.921	5.924	0.003
50	63	5.891	5.902	0.011
50	64	6.014	5.997	-0.017
50	65	5.780	5.787	0.007
50	66	6.303	6.280	-0.023
50	67	6.109	6.115	0.006
50	68	5.827	5.817	-0.010
50	69	6.344	6.340	-0.004
50	70	6.202	6.195	-0.007
50	71	6.239	6.235	-0.004
50	72	5.641	5.654	0.013
50	73	6.461	6.448	-0.013
50	74	6.138	6.147	0.009
50	75	6.026	6.003	-0.023
21	96	5.858	5.851	-0.007
21	97	6.380	6.369	-0.011
21	98	6.084	6.074	-0.010
21	99	6.132	6.133	0.001
21	100	5.808	5.817	0.009
31	91	6.634	6.623	-0.011
31	92	6.030	6.000	-0.030
31	93	6.397	6.396	-0.001
31	94	6.074	6.073	-0.001
31	95	6.642	6.659	0.017
51	86	6.125	6.101	-0.024
51	87	6.145	6.145	0.000
51	88	5.833	5.828	-0.005
51	89	6.207	6.181	-0.026
51	90	5.764	5.754	-0.010
Max		6.878	6.862	0.017
Average		6.134	6.129	-0.005
Min		5.641	5.654	-0.030
Std Dev		0.256	0.255	0.011



7.3_En_I_1p1_3V							
krad	0	20	21	30	31	50	51
LL	4.800	4.800	4.800	4.800	4.800	4.800	4.800
Min	6.207	5.999	5.817	5.786	6.000	5.654	5.754
Average	6.301	6.296	6.049	6.129	6.350	6.065	6.002
Max	6.368	6.862	6.369	6.348	6.659	6.510	6.181
UL	7.600	7.600	7.600	7.600	7.600	7.600	7.600

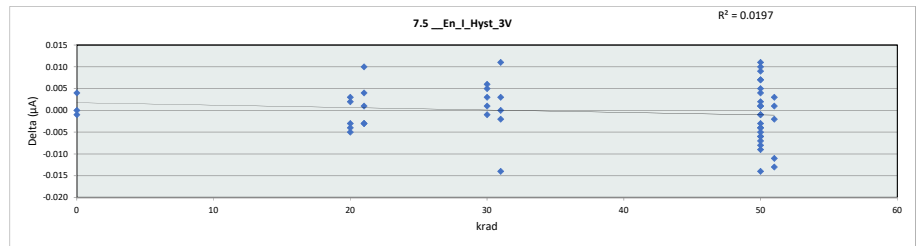


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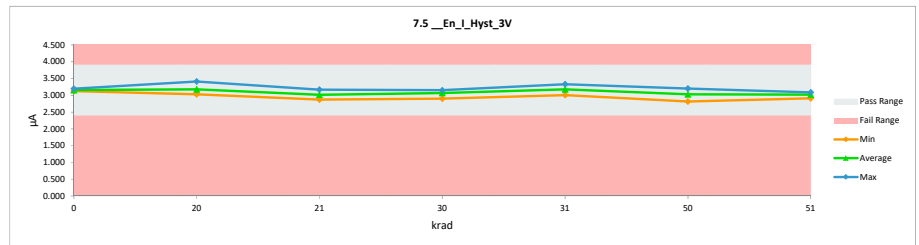
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7.5 En_I_Hyst_3V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	3.124	3.124	0.000
0	52	3.190	3.194	0.004
0	53	3.149	3.148	-0.001
20	81	3.086	3.089	0.003
20	82	3.263	3.265	0.002
20	83	3.089	3.084	-0.005
20	84	3.414	3.410	-0.004
20	85	3.031	3.028	-0.003
30	76	2.899	2.902	0.003
30	77	3.152	3.151	-0.001
30	78	3.094	3.095	0.001
30	79	3.030	3.036	0.006
30	80	3.143	3.148	0.005
50	54	3.004	3.000	-0.004
50	55	3.006	3.015	0.009
50	56	2.932	2.928	-0.004
50	57	3.136	3.137	0.001
50	58	3.048	3.050	0.002
50	59	3.012	3.013	0.001
50	60	2.926	2.925	-0.001
50	61	3.167	3.159	-0.008
50	62	2.972	2.971	-0.001
50	63	2.944	2.954	0.010
50	64	3.005	2.998	-0.007
50	65	2.871	2.878	0.007
50	66	3.190	3.181	-0.009
50	67	3.062	3.069	0.007
50	68	2.933	2.927	-0.006
50	69	3.191	3.185	-0.006
50	70	3.123	3.127	0.004
50	71	3.083	3.080	-0.003
50	72	2.805	2.816	0.011
50	73	3.204	3.199	-0.005
50	74	3.026	3.031	0.005
50	75	3.042	3.028	-0.014
21	96	2.963	2.964	0.001
21	97	3.170	3.167	-0.003
21	98	3.034	3.031	-0.003
21	99	3.040	3.044	0.004
21	100	2.862	2.872	0.010
31	91	3.302	3.300	-0.002
31	92	3.039	3.025	-0.014
31	93	3.227	3.227	0.000
31	94	3.001	3.004	0.003
31	95	3.320	3.331	0.011
51	86	3.098	3.085	-0.013
51	87	3.064	3.067	0.003
51	88	2.961	2.962	0.001
51	89	3.092	3.081	-0.011
51	90	2.912	2.910	-0.002
	Max	3.414	3.410	0.011
	Average	3.069	3.068	0.000
	Min	2.805	2.816	-0.014
	Std Dev	0.124	0.123	0.006



7.5 En_I_Hyst_3V							
krad	0	20	21	30	31	50	51
LL	2.400	2.400	2.400	2.400	2.400	2.400	2.400
Min	3.124	3.028	2.872	2.902	3.004	2.816	2.910
Average	3.155	3.175	3.016	3.066	3.177	3.031	3.021
Max	3.194	3.410	3.167	3.151	3.331	3.199	3.085
UL	3.900	3.900	3.900	3.900	3.900	3.900	3.900

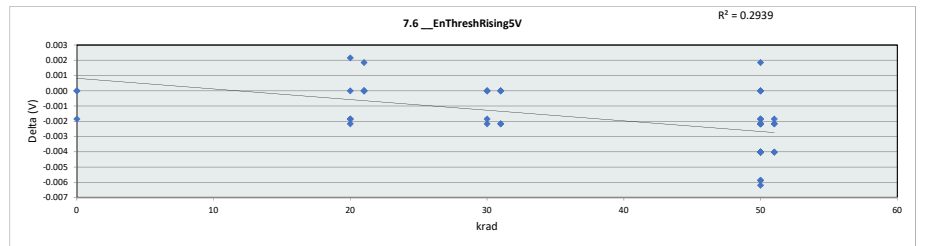


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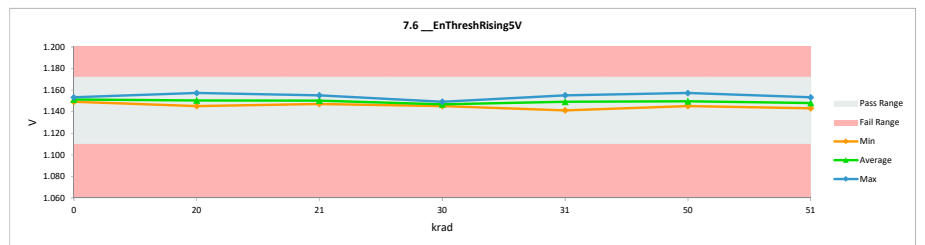
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7.6_EnThreshRising5V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	1.153	1.153	0.000
0	52	1.151	1.149	-0.002
0	53	1.151	1.151	0.000
20	81	1.151	1.149	-0.002
20	82	1.153	1.151	-0.002
20	83	1.155	1.157	0.002
20	84	1.145	1.145	0.000
20	85	1.151	1.149	-0.002
30	76	1.147	1.147	0.000
30	77	1.149	1.149	0.000
30	78	1.147	1.145	-0.002
30	79	1.149	1.147	-0.002
30	80	1.145	1.145	0.000
50	54	1.153	1.151	-0.002
50	55	1.153	1.153	0.000
50	56	1.151	1.147	-0.004
50	57	1.153	1.151	-0.002
50	58	1.147	1.145	-0.002
50	59	1.153	1.147	-0.006
50	60	1.157	1.155	-0.002
50	61	1.145	1.147	0.002
50	62	1.155	1.155	0.000
50	63	1.151	1.147	-0.004
50	64	1.151	1.147	-0.004
50	65	1.157	1.153	-0.004
50	66	1.155	1.149	-0.006
50	67	1.145	1.145	0.000
50	68	1.159	1.155	-0.004
50	69	1.151	1.145	-0.006
50	70	1.151	1.147	-0.004
50	71	1.149	1.147	-0.002
50	72	1.161	1.157	-0.004
50	73	1.151	1.147	-0.004
50	74	1.151	1.149	-0.002
50	75	1.153	1.151	-0.002
21	96	1.153	1.155	0.002
21	97	1.151	1.151	0.000
21	98	1.147	1.147	0.000
21	99	1.147	1.147	0.000
21	100	1.151	1.151	0.000
31	91	1.141	1.141	0.000
31	92	1.153	1.151	-0.002
31	93	1.155	1.155	0.000
31	94	1.153	1.151	-0.002
31	95	1.147	1.147	0.000
51	86	1.149	1.145	-0.004
51	87	1.149	1.147	-0.002
51	88	1.155	1.153	-0.002
51	89	1.147	1.143	-0.004
51	90	1.153	1.151	-0.002
Max		1.161	1.157	0.002
Average		1.151	1.149	-0.002
Min		1.141	1.141	-0.006
Std Dev		0.004	0.004	0.002



7.6_EnThreshRising5V							
krad	0	20	21	30	31	50	51
LL	1.110	1.110	1.110	1.110	1.110	1.110	1.110
Min	1.149	1.145	1.147	1.145	1.141	1.145	1.143
Average	1.151	1.150	1.150	1.147	1.149	1.150	1.148
Max	1.153	1.157	1.155	1.149	1.155	1.157	1.153
UL	1.172	1.172	1.172	1.172	1.172	1.172	1.172

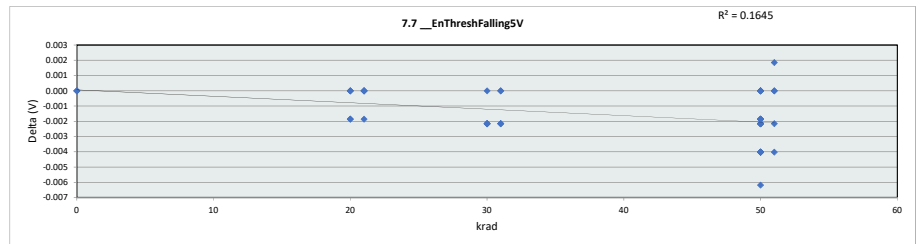


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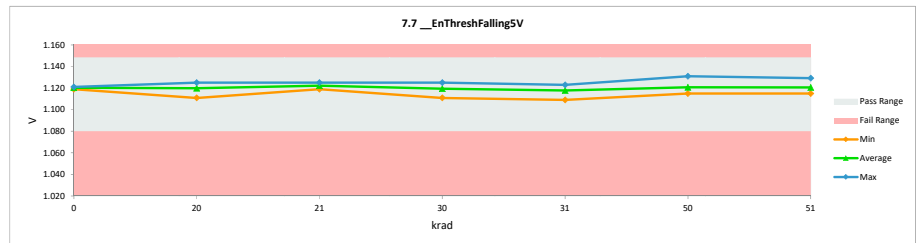
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7.7_EnThreshFalling5V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	1.121	1.121	0.000
0	52	1.121	1.121	0.000
0	53	1.119	1.119	0.000
20	81	1.123	1.121	-0.002
20	82	1.119	1.117	-0.002
20	83	1.125	1.125	0.000
20	84	1.111	1.111	0.000
20	85	1.125	1.125	0.000
30	76	1.125	1.125	0.000
30	77	1.125	1.123	-0.002
30	78	1.121	1.119	-0.002
30	79	1.121	1.119	-0.002
30	80	1.113	1.111	-0.002
50	54	1.121	1.121	0.000
50	55	1.123	1.121	-0.002
50	56	1.123	1.121	-0.002
50	57	1.119	1.117	-0.002
50	58	1.119	1.115	-0.004
50	59	1.127	1.127	0.000
50	60	1.129	1.123	-0.006
50	61	1.115	1.115	0.000
50	62	1.125	1.123	-0.002
50	63	1.121	1.119	-0.002
50	64	1.127	1.123	-0.004
50	65	1.127	1.123	-0.004
50	66	1.123	1.119	-0.004
50	67	1.121	1.119	-0.002
50	68	1.129	1.129	0.000
50	69	1.123	1.121	-0.002
50	70	1.121	1.119	-0.002
50	71	1.123	1.119	-0.004
50	72	1.133	1.131	-0.002
50	73	1.117	1.115	-0.002
50	74	1.121	1.117	-0.004
50	75	1.121	1.121	0.000
21	96	1.127	1.125	-0.002
21	97	1.123	1.123	0.000
21	98	1.119	1.119	0.000
21	99	1.121	1.121	0.000
21	100	1.123	1.123	0.000
31	91	1.109	1.109	0.000
31	92	1.121	1.119	-0.002
31	93	1.125	1.123	-0.002
31	94	1.125	1.123	-0.002
31	95	1.115	1.115	0.000
51	86	1.119	1.115	-0.004
51	87	1.117	1.117	0.000
51	88	1.129	1.129	0.000
51	89	1.117	1.119	0.002
51	90	1.125	1.123	-0.002
Max		1.133	1.131	0.002
Average		1.122	1.120	-0.002
Min		1.109	1.109	-0.006
Std Dev		0.005	0.005	0.002



7.7_EnThreshFalling5V							
krad	0	20	21	30	31	50	51
LL	1.080	1.080	1.080	1.080	1.080	1.080	1.080
Min	1.119	1.111	1.119	1.111	1.109	1.115	1.115
Average	1.120	1.120	1.122	1.119	1.118	1.121	1.121
Max	1.121	1.125	1.125	1.125	1.123	1.131	1.129
UL	1.148	1.148	1.148	1.148	1.148	1.148	1.148



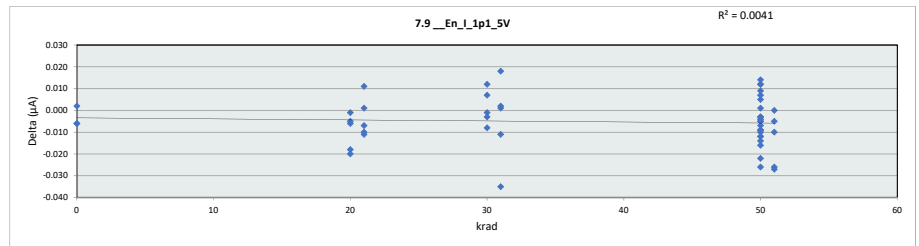


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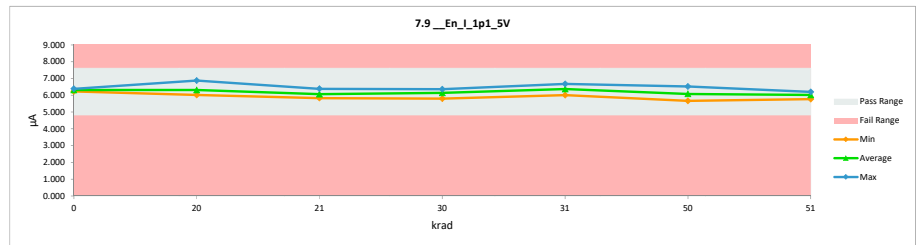
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7.9_En_I_1p1_5V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	6.233	6.227	-0.006
0	52	6.386	6.388	0.002
0	53	6.354	6.348	-0.006
20	81	6.124	6.123	-0.001
20	82	6.406	6.400	-0.006
20	83	6.172	6.154	-0.018
20	84	6.901	6.881	-0.020
20	85	6.024	6.019	-0.005
30	76	5.805	5.804	-0.001
30	77	6.336	6.328	-0.008
30	78	6.200	6.197	-0.003
30	79	6.034	6.046	0.012
30	80	6.361	6.368	0.007
50	54	6.054	6.044	-0.010
50	55	6.010	6.022	0.012
50	56	5.769	5.757	-0.012
50	57	6.303	6.294	-0.009
50	58	6.122	6.119	-0.003
50	59	6.042	6.035	-0.007
50	60	5.934	5.929	-0.005
50	61	6.544	6.530	-0.014
50	62	5.940	5.941	0.001
50	63	5.908	5.922	0.014
50	64	6.032	6.016	-0.016
50	65	5.798	5.805	0.007
50	66	6.322	6.300	-0.022
50	67	6.129	6.134	0.005
50	68	5.845	5.836	-0.009
50	69	6.364	6.360	-0.004
50	70	6.219	6.216	-0.003
50	71	6.258	6.253	-0.005
50	72	5.660	5.672	0.012
50	73	6.481	6.469	-0.012
50	74	6.158	6.167	0.009
50	75	6.044	6.018	-0.026
21	96	5.877	5.870	-0.007
21	97	6.399	6.388	-0.011
21	98	6.103	6.093	-0.010
21	99	6.151	6.152	0.001
21	100	5.826	5.837	0.011
31	91	6.654	6.643	-0.011
31	92	6.050	6.015	-0.035
31	93	6.416	6.418	0.002
31	94	6.092	6.093	0.001
31	95	6.660	6.678	0.018
51	86	6.145	6.119	-0.026
51	87	6.166	6.166	0.000
51	88	5.851	5.846	-0.005
51	89	6.226	6.199	-0.027
51	90	5.783	5.773	-0.010
Max		6.901	6.881	0.018
Average		6.153	6.148	-0.005
Min		5.660	5.672	-0.035
Std Dev		0.257	0.255	0.011



7.9_En_I_1p1_5V							
krad	0	20	21	30	31	50	51
LL	4.800	4.800	4.800	4.800	4.800	4.800	4.800
Min	6.227	6.019	5.837	5.804	6.015	5.672	5.773
Average	6.321	6.315	6.068	6.149	6.369	6.084	6.021
Max	6.388	6.881	6.388	6.368	6.678	6.530	6.199
UL	7.600	7.600	7.600	7.600	7.600	7.600	7.600

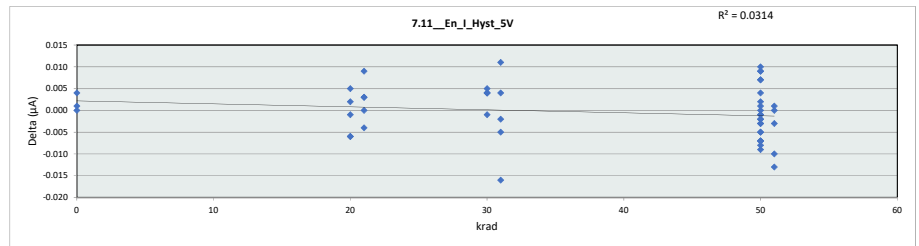


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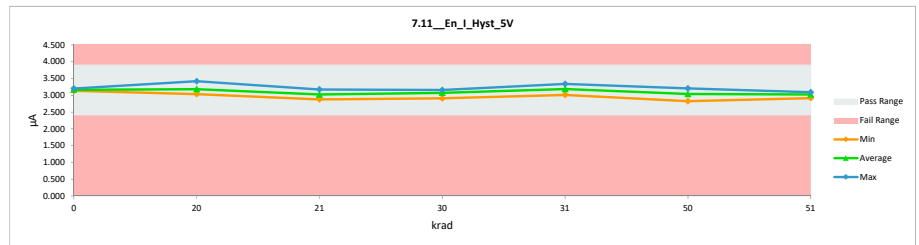
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7.11_En_I_Hyst_5V				
Test Site	Junkins - Dallas	Junkins - Dallas		
Tester	FEST36408	FEST36412		
Test Number	EB545302	EB545302		
Unit	µA	µA		
Max Limit	3.9	3.9		
Min Limit	2.4	2.4		
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	3.134	3.135	0.001
0	52	3.201	3.205	0.004
0	53	3.158	3.158	0.000
20	81	3.096	3.101	0.005
20	82	3.271	3.273	0.002
20	83	3.099	3.093	-0.006
20	84	3.424	3.418	-0.006
20	85	3.039	3.038	-0.001
30	76	2.908	2.912	0.004
30	77	3.161	3.160	-0.001
30	78	3.102	3.106	0.004
30	79	3.041	3.046	0.005
30	80	3.151	3.155	0.004
50	54	3.014	3.012	-0.002
50	55	3.015	3.022	0.007
50	56	2.941	2.938	-0.003
50	57	3.145	3.146	0.001
50	58	3.059	3.059	0.000
50	59	3.022	3.021	-0.001
50	60	2.934	2.933	-0.001
50	61	3.176	3.174	-0.002
50	62	2.979	2.981	0.002
50	63	2.952	2.959	0.007
50	64	3.014	3.007	-0.007
50	65	2.878	2.887	0.009
50	66	3.199	3.191	-0.008
50	67	3.070	3.079	0.009
50	68	2.942	2.937	-0.005
50	69	3.201	3.194	-0.007
50	70	3.136	3.131	-0.005
50	71	3.092	3.089	-0.003
50	72	2.814	2.824	0.010
50	73	3.215	3.208	-0.007
50	74	3.034	3.038	0.004
50	75	3.047	3.038	-0.009
21	96	2.971	2.974	0.003
21	97	3.175	3.175	0.000
21	98	3.044	3.040	-0.004
21	99	3.050	3.053	0.003
21	100	2.871	2.880	0.009
31	91	3.312	3.310	-0.002
31	92	3.049	3.033	-0.016
31	93	3.239	3.234	-0.005
31	94	3.010	3.014	0.004
31	95	3.329	3.340	0.011
51	86	3.101	3.091	-0.010
51	87	3.073	3.074	0.001
51	88	2.970	2.970	0.000
51	89	3.103	3.090	-0.013
51	90	2.921	2.918	-0.003
	Max	3.424	3.418	0.011
	Average	3.078	3.077	0.000
	Min	2.814	2.824	-0.016
	Std Dev	0.124	0.123	0.006



7.11_En_I_Hyst_5V							
Test Site	Junkins - Dallas						
Tester	FEST36408						
Test Number	EB545302						
Max Limit	3.9	µA					
Min Limit	2.4	µA					
krad	0	20	21	30	31	50	51
LL	2.400	2.400	2.400	2.400	2.400	2.400	2.400
Min	3.135	3.038	2.880	2.912	3.014	2.824	2.918
Average	3.166	3.185	3.024	3.076	3.186	3.039	3.029
Max	3.205	3.418	3.175	3.160	3.340	3.208	3.091
UL	3.900	3.900	3.900	3.900	3.900	3.900	3.900

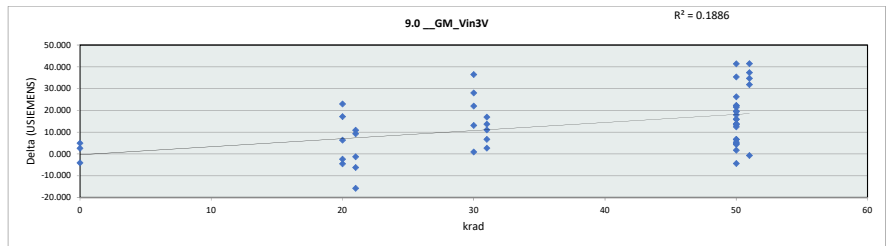


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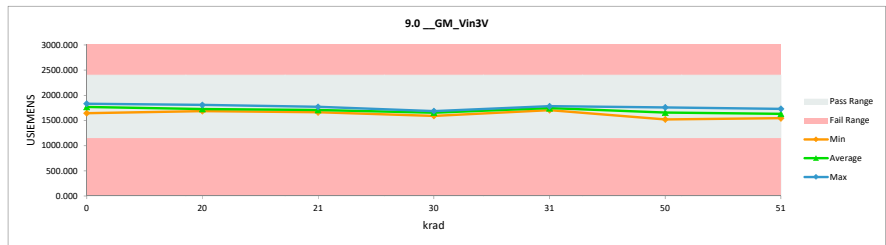
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9.0_GM_Vin3V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	1826.727	1831.702	4.975
0	52	1640.787	1643.420	2.633
0	53	1833.810	1829.697	-4.113
20	81	1669.290	1686.403	17.113
20	82	1764.648	1762.244	-2.404
20	83	1784.735	1807.641	22.906
20	84	1685.926	1692.301	6.375
20	85	1689.762	1685.263	-4.499
30	76	1562.741	1590.785	28.044
30	77	1626.566	1648.554	21.988
30	78	1636.262	1672.712	36.450
30	79	1658.973	1672.077	13.104
30	80	1685.539	1686.452	0.913
50	54	1646.400	1651.795	5.395
50	55	1739.701	1744.052	4.351
50	56	1630.881	1653.189	22.308
50	57	1661.735	1677.955	15.860
50	58	1716.890	1758.255	41.365
50	59	1601.677	1621.295	19.618
50	60	1569.318	1585.248	15.930
50	61	1617.543	1638.996	21.453
50	62	1656.143	1675.661	19.518
50	63	1681.566	1688.276	6.710
50	64	1730.206	1725.802	-4.404
50	65	1599.873	1613.709	13.836
50	66	1654.834	1668.209	13.375
50	67	1603.263	1625.305	22.042
50	68	1619.494	1621.231	1.737
50	69	1669.988	1682.414	12.426
50	70	1644.937	1662.883	17.946
50	71	1666.147	1679.838	13.691
50	72	1521.363	1527.997	6.634
50	73	1706.220	1741.608	35.388
50	74	1516.479	1521.298	4.819
50	75	1612.264	1638.545	26.281
21	96	1738.323	1732.119	-6.204
21	97	1758.260	1769.171	10.911
21	98	1709.205	1707.881	-1.324
21	99	1655.335	1664.654	9.319
21	100	1677.089	1661.308	-15.781
31	91	1740.190	1746.909	6.719
31	92	1701.180	1703.818	2.638
31	93	1768.105	1781.817	13.712
31	94	1695.960	1707.017	11.057
31	95	1762.098	1779.045	16.947
51	86	1626.770	1668.238	41.468
51	87	1692.531	1729.899	37.368
51	88	1545.028	1544.346	-0.682
51	89	1611.438	1646.151	34.713
51	90	1535.175	1566.985	31.810
Max		1833.810	1831.702	41.468
Average		1666.988	1680.436	13.449
Min		1516.479	1521.298	-15.781
Std Dev		73.098	70.737	13.344



9.0_GM_Vin3V							
krad	0	20	21	30	31	50	51
LL	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000
Min	1643.420	1685.263	1661.308	1590.785	1703.818	1521.298	1544.346
Average	1768.273	1726.770	1707.027	1654.116	1743.721	1654.691	1631.124
Max	1831.702	1807.641	1769.171	1686.452	1781.817	1758.255	1729.899
UL	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000

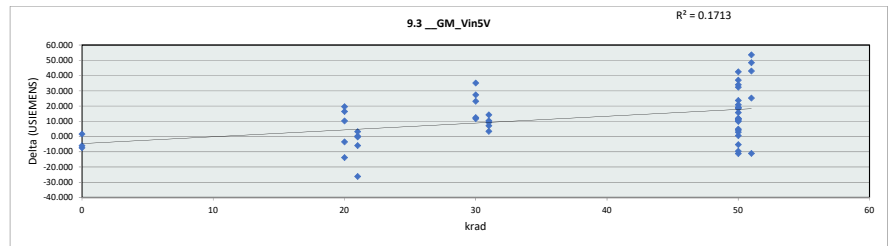


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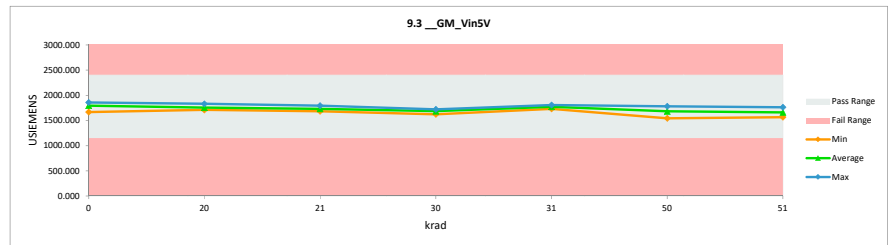
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9.3 GM_Vin5V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	1862.149	1856.162	-5.987
0	52	1674.159	1666.742	-7.417
0	53	1856.394	1858.011	1.617
20	81	1702.371	1718.825	16.454
20	82	1798.960	1785.182	-13.778
20	83	1820.246	1830.500	10.254
20	84	1706.287	1725.849	19.562
20	85	1712.610	1709.079	-3.531
30	76	1595.082	1622.438	27.356
30	77	1658.895	1682.033	23.138
30	78	1668.774	1703.855	35.081
30	79	1680.803	1693.262	12.459
30	80	1708.685	1720.413	11.728
50	54	1666.935	1676.808	9.873
50	55	1773.521	1776.389	2.868
50	56	1652.568	1673.397	20.829
50	57	1694.331	1705.672	11.341
50	58	1738.150	1780.612	42.462
50	59	1623.705	1642.674	18.969
50	60	1601.848	1617.498	15.650
50	61	1649.300	1660.059	10.759
50	62	1688.892	1707.183	18.291
50	63	1704.468	1709.361	4.893
50	64	1763.361	1752.155	-11.206
50	65	1631.894	1643.842	11.948
50	66	1678.270	1701.962	23.692
50	67	1624.855	1657.217	32.362
50	68	1652.637	1643.047	-9.590
50	69	1703.806	1715.553	11.747
50	70	1666.440	1685.586	19.146
50	71	1699.094	1703.294	4.200
50	72	1553.077	1553.659	0.582
50	73	1729.929	1763.816	33.887
50	74	1548.325	1543.057	-5.268
50	75	1634.526	1671.511	36.985
21	96	1761.755	1755.877	-5.878
21	97	1794.103	1794.415	0.312
21	98	1731.582	1731.306	-0.276
21	99	1686.969	1690.130	3.161
21	100	1709.435	1683.270	-26.165
31	91	1773.893	1781.010	7.117
31	92	1734.049	1737.441	3.392
31	93	1791.178	1805.394	14.216
31	94	1721.181	1730.453	9.272
31	95	1795.996	1806.304	10.308
51	86	1648.130	1701.654	53.524
51	87	1714.279	1762.667	48.388
51	88	1576.270	1565.208	-11.062
51	89	1643.119	1668.358	25.239
51	90	1555.582	1598.545	42.963
	Max	1862.149	1858.011	53.524
	Average	1695.257	1707.375	12.117
	Min	1548.325	1543.057	-26.165
	Std Dev	73.682	70.828	16.965



9.3 GM_Vin5V							
krad	0	20	21	30	31	50	51
LL	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000
Min	1666.742	1709.079	1683.270	1622.438	1730.453	1543.057	1565.208
Average	1793.638	1753.887	1731.000	1684.400	1772.120	1681.107	1659.286
Max	1858.011	1830.500	1794.415	1720.413	1806.304	1780.612	1762.667
UL	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000

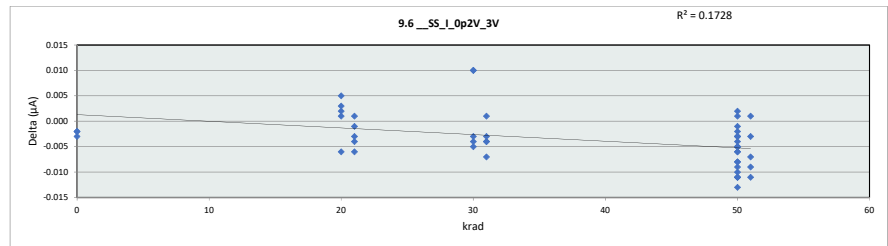


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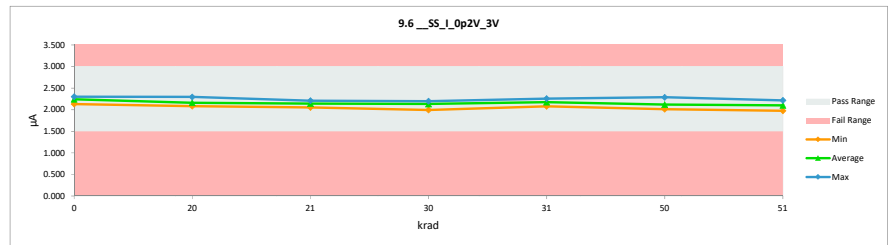
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9.6_SS_I_0p2V_3V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	2.304	2.302	-0.002
0	52	2.133	2.130	-0.003
0	53	2.295	2.293	-0.002
20	81	2.088	2.082	-0.006
20	82	2.293	2.295	0.002
20	83	2.159	2.164	0.005
20	84	2.136	2.139	0.003
20	85	2.119	2.120	0.001
30	76	1.999	1.994	-0.005
30	77	2.157	2.167	0.010
30	78	2.199	2.196	-0.003
30	79	2.138	2.134	-0.004
30	80	2.158	2.168	0.010
50	54	2.088	2.086	-0.002
50	55	2.128	2.125	-0.003
50	56	2.093	2.082	-0.011
50	57	2.190	2.185	-0.005
50	58	2.230	2.221	-0.009
50	59	2.071	2.066	-0.005
50	60	2.105	2.099	-0.006
50	61	2.152	2.149	-0.003
50	62	2.037	2.039	0.002
50	63	2.137	2.138	0.001
50	64	2.103	2.098	-0.005
50	65	2.020	2.012	-0.008
50	66	2.176	2.171	-0.005
50	67	2.084	2.080	-0.004
50	68	2.050	2.037	-0.013
50	69	2.229	2.218	-0.011
50	70	2.169	2.168	-0.001
50	71	2.174	2.166	-0.008
50	72	2.039	2.029	-0.010
50	73	2.293	2.287	-0.006
50	74	2.048	2.045	-0.003
50	75	2.088	2.077	-0.011
21	96	2.132	2.126	-0.006
21	97	2.176	2.173	-0.003
21	98	2.154	2.153	-0.001
21	99	2.051	2.052	0.001
21	100	2.212	2.208	-0.004
31	91	2.260	2.256	-0.004
31	92	2.190	2.183	-0.007
31	93	2.081	2.077	-0.004
31	94	2.166	2.163	-0.003
31	95	2.198	2.199	0.001
51	86	2.079	2.072	-0.007
51	87	2.191	2.180	-0.011
51	88	2.055	2.056	0.001
51	89	2.217	2.214	-0.003
51	90	1.985	1.976	-0.009
Max		2.304	2.302	0.010
Average		2.141	2.137	-0.004
Min		1.985	1.976	-0.013
Std Dev		0.078	0.079	0.005



9.6_SS_I_0p2V_3V							
krad	0	20	21	30	31	50	51
LL	1.500	1.500	1.500	1.500	1.500	1.500	1.500
Min	2.130	2.082	2.052	1.994	2.077	2.012	1.976
Average	2.242	2.160	2.142	2.132	2.176	2.117	2.100
Max	2.302	2.295	2.208	2.196	2.256	2.287	2.214
UL	3.000	3.000	3.000	3.000	3.000	3.000	3.000

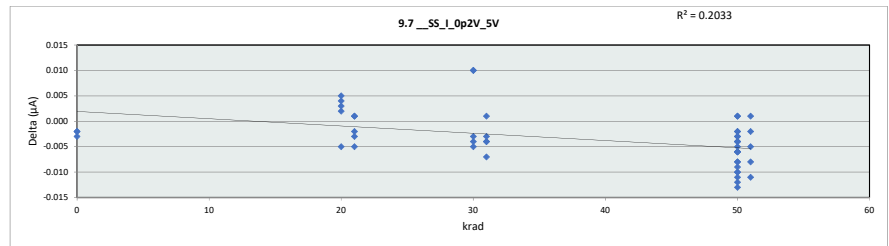


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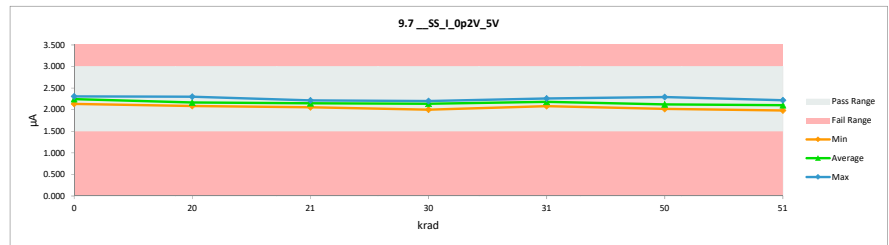
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9.7_SS_I_0p2V_5V				
Test Site	Junkins - Dallas	Junkins - Dallas		
Tester	FEST36408	FEST36412		
Test Number	EB545302	EB545302		
Unit	µA	µA		
Max Limit	3	3		
Min Limit	1.5	1.5		
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	2.309	2.307	-0.002
0	52	2.138	2.135	-0.003
0	53	2.300	2.298	-0.002
20	81	2.092	2.087	-0.005
20	82	2.298	2.301	0.003
20	83	2.164	2.169	0.005
20	84	2.140	2.144	0.004
20	85	2.124	2.126	0.002
30	76	2.004	1.999	-0.005
30	77	2.162	2.172	0.010
30	78	2.204	2.201	-0.003
30	79	2.143	2.139	-0.004
30	80	2.163	2.173	0.010
50	54	2.093	2.091	-0.002
50	55	2.134	2.130	-0.004
50	56	2.097	2.087	-0.010
50	57	2.196	2.190	-0.006
50	58	2.235	2.227	-0.008
50	59	2.076	2.071	-0.005
50	60	2.110	2.104	-0.006
50	61	2.158	2.155	-0.003
50	62	2.042	2.043	0.001
50	63	2.142	2.143	0.001
50	64	2.107	2.103	-0.004
50	65	2.025	2.017	-0.008
50	66	2.181	2.175	-0.006
50	67	2.089	2.085	-0.004
50	68	2.055	2.042	-0.013
50	69	2.235	2.223	-0.012
50	70	2.174	2.172	-0.002
50	71	2.180	2.171	-0.009
50	72	2.043	2.033	-0.010
50	73	2.299	2.293	-0.006
50	74	2.053	2.050	-0.003
50	75	2.093	2.082	-0.011
21	96	2.137	2.132	-0.005
21	97	2.181	2.179	-0.002
21	98	2.158	2.159	0.001
21	99	2.056	2.057	0.001
21	100	2.217	2.214	-0.003
31	91	2.265	2.261	-0.004
31	92	2.195	2.188	-0.007
31	93	2.086	2.082	-0.004
31	94	2.171	2.168	-0.003
31	95	2.203	2.204	0.001
51	86	2.084	2.079	-0.005
51	87	2.196	2.185	-0.011
51	88	2.060	2.061	0.001
51	89	2.222	2.220	-0.002
51	90	1.989	1.981	-0.008
	Max	2.309	2.307	0.010
	Average	2.146	2.142	-0.003
	Min	1.989	1.981	-0.013
	Std Dev	0.078	0.079	0.005



9.7_SS_I_0p2V_5V							
Test Site	Junkins - Dallas						
Tester	FEST36408						
Test Number	EB545302						
Max Limit	3	µA					
Min Limit	1.5	µA					
krad	0	20	21	30	31	50	51
LL	1.500	1.500	1.500	1.500	1.500	1.500	1.500
Min	2.135	2.087	2.057	1.999	2.082	2.017	1.981
Average	2.247	2.165	2.148	2.137	2.181	2.122	2.105
Max	2.307	2.301	2.214	2.201	2.261	2.293	2.220
UL	3.000	3.000	3.000	3.000	3.000	3.000	3.000

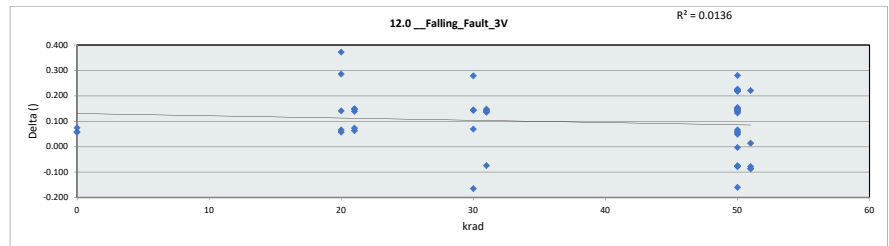


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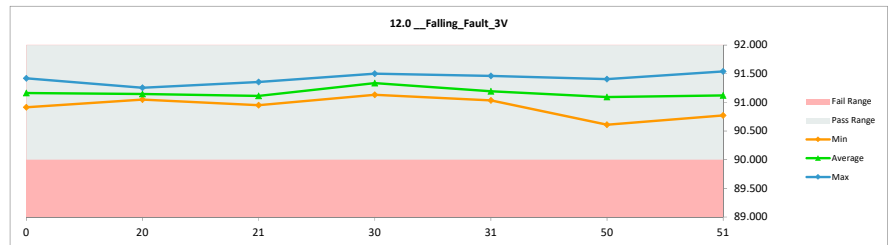
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12.0_Falling_Fault_3V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	91.099	91.156	0.057
0	52	91.346	91.420	0.074
0	53	90.858	90.916	0.058
20	81	90.991	91.048	0.057
20	82	90.906	91.192	0.286
20	83	90.932	91.073	0.141
20	84	90.882	91.254	0.372
20	85	91.105	91.171	0.066
30	76	91.297	91.132	-0.165
30	77	91.431	91.500	0.069
30	78	91.177	91.456	0.279
30	79	91.238	91.383	0.145
30	80	91.070	91.213	0.143
50	54	91.072	91.126	0.054
50	55	91.347	91.407	0.060
50	56	91.023	90.945	-0.078
50	57	91.211	91.356	0.145
50	58	90.854	91.078	0.224
50	59	91.266	91.332	0.066
50	60	90.582	90.800	0.218
50	61	90.742	90.891	0.149
50	62	90.771	90.611	-0.160
50	63	91.051	91.272	0.221
50	64	91.205	91.128	-0.077
50	65	90.767	90.993	0.226
50	66	91.019	91.244	0.225
50	67	90.858	90.991	0.133
50	68	91.148	91.296	0.148
50	69	90.937	91.217	0.280
50	70	90.802	90.851	0.049
50	71	91.158	91.155	-0.003
50	72	91.202	91.356	0.154
50	73	91.238	91.163	-0.075
50	74	90.715	90.857	0.142
50	75	90.856	90.994	0.138
21	96	90.878	90.951	0.073
21	97	90.926	91.073	0.147
21	98	91.044	91.107	0.063
21	99	91.207	91.356	0.149
21	100	90.937	91.076	0.139
31	91	91.314	91.462	0.148
31	92	91.108	91.034	-0.074
31	93	91.044	91.186	0.142
31	94	91.026	91.162	0.136
31	95	90.987	91.124	0.137
51	86	91.074	90.996	-0.078
51	87	90.859	90.772	-0.087
51	88	91.320	91.541	0.221
51	89	91.136	91.050	-0.086
51	90	91.230	91.244	0.014
Max		91.431	91.541	0.372
Average		91.045	91.142	0.097
Min		90.582	90.611	-0.165
Std Dev		0.192	0.201	0.119



12.0_Falling_Fault_3V							
krad	0	20	21	30	31	50	51
LL	90.000	90.000	90.000	90.000	90.000	90.000	90.000
Min	90.916	91.048	90.951	91.132	91.034	90.611	90.772
Average	91.164	91.148	91.113	91.337	91.194	91.094	91.121
Max	91.420	91.254	91.356	91.500	91.462	91.407	91.541
UL							

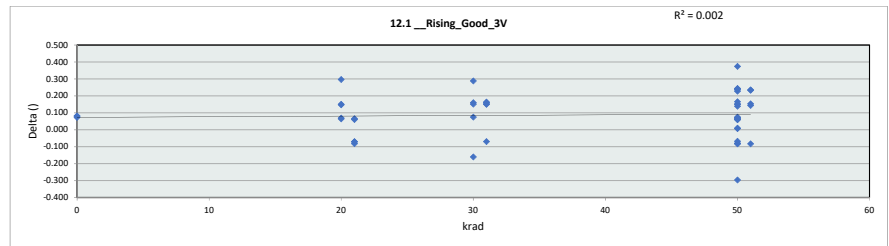


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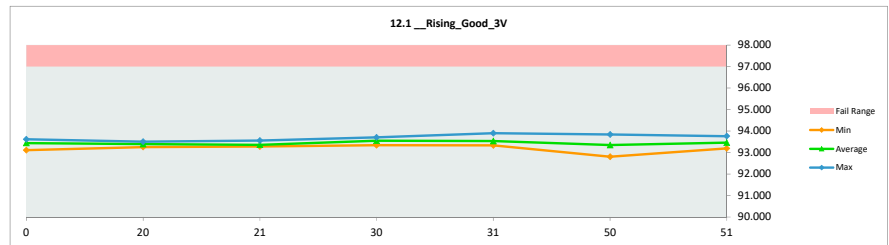
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12.1_Rising_Good_3V				
Test Site	Junkins - Dallas		Junkins - Dallas	
Tester	FEST36408		FEST36412	
Test Number	EB545302		EB545302	
Unit				
Max Limit	97		97	
Min Limit				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	93.518	93.598	0.080
0	52	93.540	93.621	0.081
0	53	93.041	93.114	0.073
20	81	93.189	93.258	0.069
20	82	93.318	93.382	0.064
20	83	93.354	93.504	0.150
20	84	93.299	93.446	0.147
20	85	93.080	93.377	0.297
30	76	93.500	93.340	-0.160
30	77	93.630	93.705	0.075
30	78	93.387	93.675	0.288
30	79	93.436	93.596	0.160
30	80	93.271	93.422	0.151
50	54	93.267	93.335	0.068
50	55	93.769	93.844	0.075
50	56	93.438	93.142	-0.296
50	57	93.633	93.565	-0.068
50	58	93.269	93.276	0.007
50	59	93.466	93.537	0.071
50	60	92.765	93.006	0.241
50	61	92.954	93.093	0.139
50	62	92.743	92.804	0.061
50	63	93.240	93.476	0.236
50	64	93.404	93.555	0.151
50	65	93.178	93.422	0.244
50	66	93.438	93.448	0.010
50	67	93.047	93.198	0.151
50	68	93.347	93.512	0.165
50	69	93.360	93.420	0.060
50	70	92.995	93.057	0.062
50	71	93.364	93.592	0.228
50	72	93.185	93.559	0.374
50	73	93.657	93.574	-0.083
50	74	93.139	93.059	-0.080
50	75	93.273	93.192	-0.081
21	96	93.303	93.364	0.061
21	97	93.360	93.289	-0.071
21	98	93.246	93.311	0.065
21	99	93.643	93.561	-0.082
21	100	93.353	93.282	-0.071
31	91	93.739	93.902	0.163
31	92	93.296	93.446	0.150
31	93	93.237	93.397	0.160
31	94	93.444	93.596	0.152
31	95	93.406	93.336	-0.070
51	86	93.269	93.422	0.153
51	87	93.050	93.194	0.144
51	88	93.528	93.763	0.235
51	89	93.555	93.472	-0.083
51	90	93.219	93.452	0.233
Max		93.769	93.902	0.374
Average		93.323	93.410	0.087
Min		92.743	92.804	-0.296
Std Dev		0.222	0.219	0.130



12.1_Rising_Good_3V							
Test Site	Junkins - Dallas						
Tester	FEST36408						
Test Number	EB545302						
Max Limit	97						
Min Limit							
krad	0	20	21	30	31	50	51
LL							
Min	93.114	93.258	93.282	93.340	93.336	92.804	93.194
Average	93.444	93.393	93.361	93.548	93.535	93.348	93.461
Max	93.621	93.504	93.561	93.705	93.902	93.844	93.763
UL	97.000	97.000	97.000	97.000	97.000	97.000	97.000



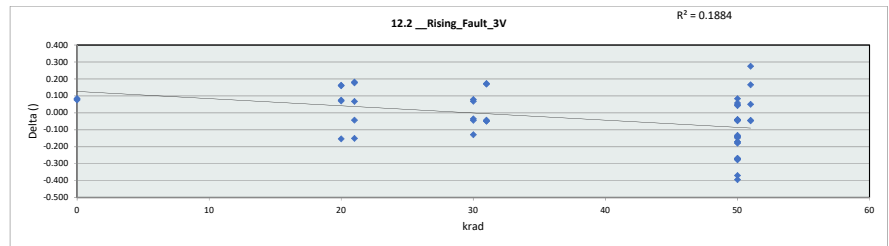


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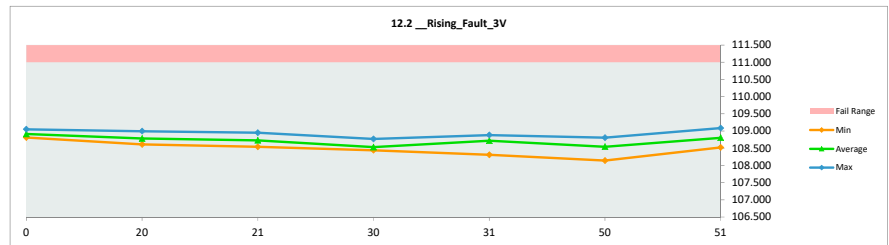
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12.2_Rising_Fault_3V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	108.801	108.885	0.084
0	52	108.976	109.052	0.076
0	53	108.731	108.811	0.080
20	81	108.858	108.933	0.075
20	82	108.544	108.614	0.070
20	83	108.834	108.997	0.163
20	84	108.473	108.633	0.160
20	85	108.908	108.754	-0.154
30	76	108.415	108.483	0.068
30	77	108.413	108.492	0.079
30	78	108.897	108.768	-0.129
30	79	108.479	108.443	-0.036
30	80	108.514	108.470	-0.044
50	54	108.733	108.592	-0.141
50	55	108.646	108.729	0.083
50	56	108.707	108.430	-0.277
50	57	108.641	108.367	-0.274
50	58	108.733	108.780	0.047
50	59	108.888	108.518	-0.370
50	60	108.809	108.630	-0.179
50	61	108.235	108.188	-0.047
50	62	108.412	108.279	-0.133
50	63	108.547	108.605	0.058
50	64	108.410	108.141	-0.269
50	65	108.861	108.689	-0.172
50	66	108.932	108.760	-0.172
50	67	108.733	108.691	-0.042
50	68	108.606	108.564	-0.042
50	69	108.606	108.465	-0.141
50	70	108.928	108.780	-0.148
50	71	108.385	108.428	0.043
50	72	109.078	108.809	-0.269
50	73	108.928	108.534	-0.394
50	74	108.828	108.787	-0.041
50	75	108.281	108.242	-0.039
21	96	108.477	108.544	0.067
21	97	108.604	108.561	-0.043
21	98	109.104	108.953	-0.151
21	99	108.639	108.816	0.177
21	100	108.606	108.787	0.181
31	91	108.811	108.762	-0.049
31	92	108.354	108.311	-0.043
31	93	108.659	108.828	0.169
31	94	108.934	108.885	-0.049
31	95	108.634	108.807	0.173
51	86	108.735	108.691	-0.044
51	87	108.740	108.905	0.165
51	88	108.811	109.086	0.275
51	89	108.874	108.827	-0.047
51	90	108.475	108.525	0.050
Max		109.104	109.086	0.275
Average		108.685	108.653	-0.032
Min		108.235	108.141	-0.394
Std Dev		0.209	0.223	0.152



12.2_Rising_Fault_3V							
krad	0	20	21	30	31	50	51
LL							
Min	108.811	108.614	108.544	108.443	108.311	108.141	108.525
Average	108.916	108.786	108.732	108.531	108.719	108.546	108.807
Max	109.052	108.997	108.953	108.768	108.885	108.809	109.086
UL	111.000	111.000	111.000	111.000	111.000	111.000	111.000

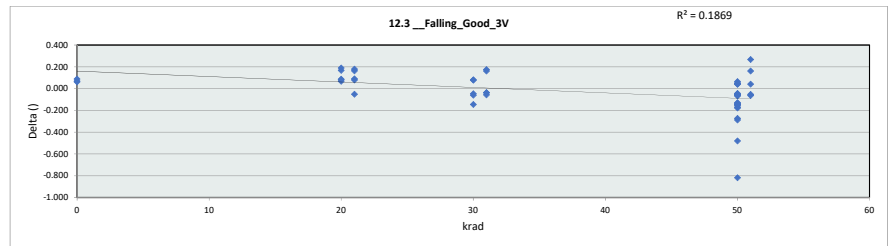


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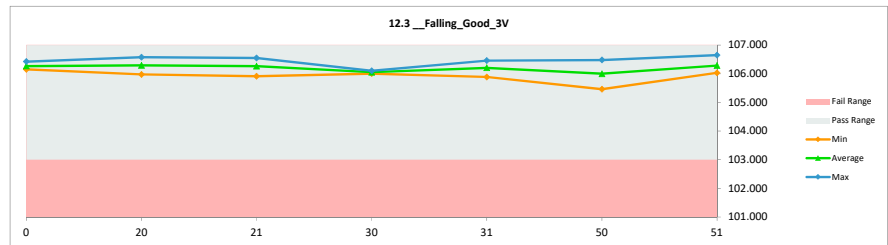
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12.3_Falling_Good_3V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	106.157	106.226	0.069
0	52	106.336	106.424	0.088
0	53	106.090	106.151	0.061
20	81	106.215	106.301	0.086
20	82	105.908	105.976	0.068
20	83	106.411	106.578	0.167
20	84	106.048	106.237	0.189
20	85	106.279	106.360	0.081
30	76	105.968	106.049	0.081
30	77	105.991	106.069	0.078
30	78	106.245	106.100	-0.145
30	79	106.067	106.007	-0.060
30	80	106.086	106.039	-0.047
50	54	106.305	106.160	-0.145
50	55	106.216	106.081	-0.135
50	56	106.069	106.001	-0.068
50	57	106.208	105.727	-0.481
50	58	106.090	106.129	0.039
50	59	106.234	106.104	-0.130
50	60	106.180	106.231	0.051
50	61	105.583	105.539	-0.044
50	62	105.999	105.843	-0.156
50	63	105.909	105.955	0.046
50	64	105.778	105.725	-0.053
50	65	106.437	106.481	0.044
50	66	106.497	106.326	-0.171
50	67	106.084	106.033	-0.051
50	68	106.178	106.121	-0.057
50	69	105.968	106.033	0.065
50	70	106.277	106.132	-0.145
50	71	105.963	105.785	-0.178
50	72	106.661	106.387	-0.274
50	73	106.280	105.462	-0.818
50	74	106.192	106.130	-0.062
50	75	105.879	105.591	-0.288
21	96	105.836	105.915	0.079
21	97	106.179	106.127	-0.052
21	98	106.461	106.550	0.089
21	99	106.208	106.387	0.179
21	100	106.185	106.348	0.163
31	91	106.157	106.331	0.174
31	92	105.943	105.885	-0.058
31	93	106.234	106.196	-0.038
31	94	106.494	106.457	-0.037
31	95	105.999	106.160	0.161
51	86	106.094	106.031	-0.063
51	87	106.305	106.252	-0.053
51	88	106.380	106.647	0.267
51	89	106.228	106.390	0.162
51	90	106.063	106.104	0.041
	Max	106.661	106.647	0.267
	Average	106.151	106.125	-0.026
	Min	105.583	105.462	-0.818
	Std Dev	0.202	0.259	0.181



12.3_Falling_Good_3V							
krad	0	20	21	30	31	50	51
LL	103.000	103.000	103.000	103.000	103.000	103.000	103.000
Min	106.151	105.976	105.915	106.007	105.885	105.462	106.031
Average	106.267	106.290	106.265	106.053	106.206	105.999	106.285
Max	106.424	106.578	106.550	106.100	106.457	106.481	106.647
UL							

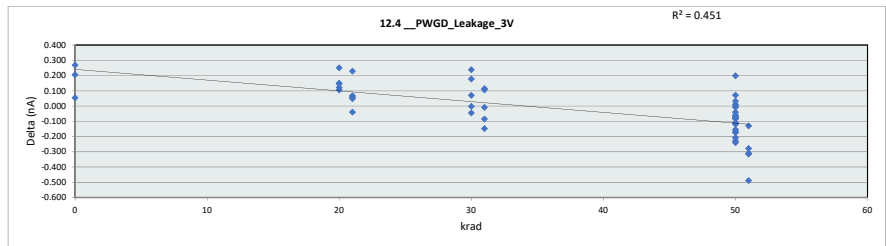


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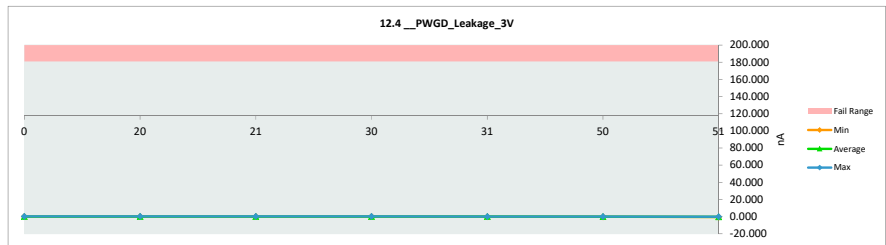
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12.4_PWGD_Leakage_3V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	-0.061	-0.007	0.054
0	52	0.007	0.212	0.205
0	53	-0.153	0.115	0.268
20	81	0.005	0.256	0.251
20	82	0.034	0.140	0.106
20	83	-0.063	0.087	0.150
20	84	-0.019	0.103	0.122
20	85	0.048	0.194	0.146
30	76	0.048	0.003	-0.045
30	77	-0.068	0.170	0.238
30	78	-0.055	0.122	0.177
30	79	0.015	0.085	0.070
30	80	0.034	0.032	-0.002
50	54	-0.002	0.030	0.032
50	55	-0.016	-0.127	-0.111
50	56	0.046	-0.031	-0.077
50	57	-0.007	-0.067	-0.060
50	58	-0.015	-0.134	-0.119
50	59	-0.117	0.081	0.198
50	60	-0.096	-0.085	0.011
50	61	0.025	-0.215	-0.240
50	62	-0.022	0.049	0.071
50	63	-0.095	-0.135	-0.040
50	64	-0.072	-0.241	-0.169
50	65	-0.036	-0.102	-0.066
50	66	-0.027	-0.028	-0.001
50	67	-0.002	-0.078	-0.076
50	68	-0.046	-0.200	-0.154
50	69	-0.023	-0.197	-0.174
50	70	-0.014	-0.222	-0.208
50	71	-0.042	-0.126	-0.084
50	72	-0.019	-0.094	-0.075
50	73	-0.047	-0.157	-0.110
50	74	-0.021	-0.028	-0.007
50	75	-0.002	-0.231	-0.229
21	96	-0.013	0.046	0.059
21	97	-0.048	0.180	0.228
21	98	-0.050	0.017	0.067
21	99	0.035	-0.005	-0.040
21	100	-0.020	0.028	0.048
31	91	-0.023	-0.171	-0.148
31	92	0.034	-0.051	-0.085
31	93	-0.022	-0.031	-0.009
31	94	-0.015	0.091	0.106
31	95	0.008	0.122	0.114
51	86	0.015	-0.295	-0.310
51	87	-0.047	-0.362	-0.315
51	88	-0.010	-0.288	-0.278
51	89	0.074	-0.415	-0.489
51	90	-0.025	-0.155	-0.130
Max		0.074	0.256	0.268
Average		-0.020	-0.042	-0.023
Min		-0.153	-0.415	-0.489
Std Dev		0.044	0.155	0.164



12.4_PWGD_Leakage_3V								
krad	0	20	21	30	31	50	51	
LL		-0.007	0.087	-0.005	0.003	-0.171	-0.241	-0.415
Min		-0.007	0.087	-0.005	0.003	-0.171	-0.241	-0.415
Average		0.107	0.156	0.053	0.082	-0.008	-0.106	-0.303
Max		0.212	0.256	0.180	0.170	0.122	0.081	-0.155
UL		181.000	181.000	181.000	181.000	181.000	181.000	181.000

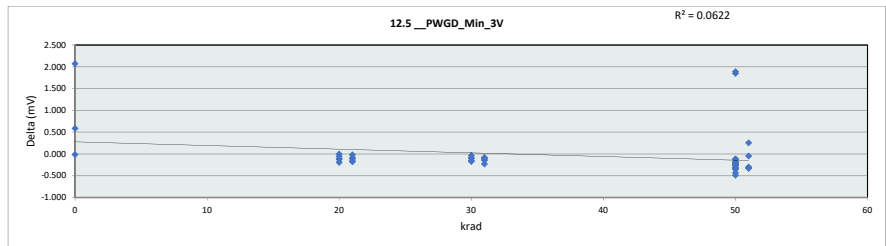


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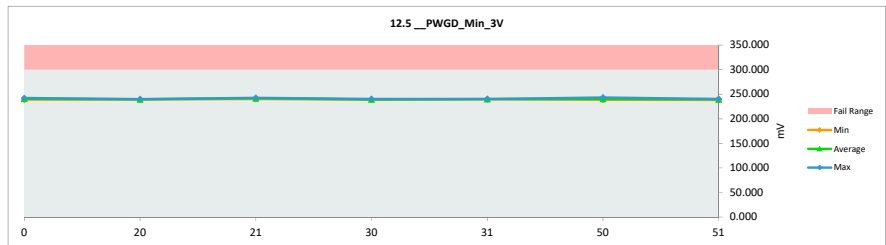
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12.5_PWGD_Min_3V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	238.862	238.848	-0.014
0	52	239.977	242.048	2.071
0	53	240.321	240.908	0.587
20	81	240.026	239.916	-0.110
20	82	238.994	238.800	-0.194
20	83	239.714	239.592	-0.122
20	84	239.388	239.334	-0.054
20	85	239.848	239.845	-0.003
30	76	239.406	239.371	-0.035
30	77	238.870	238.770	-0.100
30	78	240.024	239.935	-0.089
30	79	238.965	238.794	-0.171
30	80	240.374	240.221	-0.153
50	54	240.606	240.120	-0.486
50	55	240.488	240.183	-0.305
50	56	241.024	240.766	-0.258
50	57	241.290	243.178	1.888
50	58	240.308	239.961	-0.347
50	59	239.841	239.662	-0.179
50	60	240.449	240.108	-0.341
50	61	240.029	239.786	-0.243
50	62	240.347	240.110	-0.237
50	63	240.123	239.923	-0.200
50	64	240.964	240.655	-0.309
50	65	239.914	239.794	-0.120
50	66	239.975	239.774	-0.201
50	67	240.036	239.840	-0.196
50	68	239.824	239.708	-0.116
50	69	239.826	239.570	-0.256
50	70	239.505	239.252	-0.253
50	71	239.267	239.028	-0.239
50	72	240.146	239.906	-0.240
50	73	241.409	243.258	1.849
50	74	241.343	241.141	-0.202
50	75	239.121	238.688	-0.433
21	96	240.600	240.438	-0.162
21	97	240.486	240.309	-0.177
21	98	242.606	242.515	-0.091
21	99	242.475	242.456	-0.019
21	100	241.883	241.771	-0.112
31	91	239.883	239.781	-0.102
31	92	240.466	240.236	-0.230
31	93	240.179	240.063	-0.116
31	94	239.693	239.546	-0.147
31	95	240.140	240.059	-0.081
51	86	239.729	239.431	-0.298
51	87	239.921	239.604	-0.317
51	88	239.943	240.197	0.254
51	89	239.759	239.711	-0.048
51	90	238.794	238.466	-0.328
	Max	242.606	243.258	2.071
	Average	240.143	240.108	-0.036
	Min	238.794	238.466	-0.486
	Std Dev	0.832	1.081	0.529



12.5_PWGD_Min_3V							
krad	0	20	21	30	31	50	51
LL	238.848	238.800	240.309	238.770	239.546	238.688	238.466
Min	240.601	239.497	241.498	239.418	239.937	240.201	239.482
Average	242.048	239.916	242.515	240.221	240.236	243.258	240.197
Max	300.000	300.000	300.000	300.000	300.000	300.000	300.000
UL	300.000	300.000	300.000	300.000	300.000	300.000	300.000

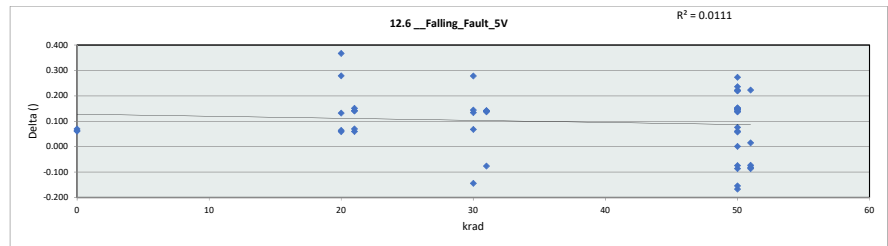


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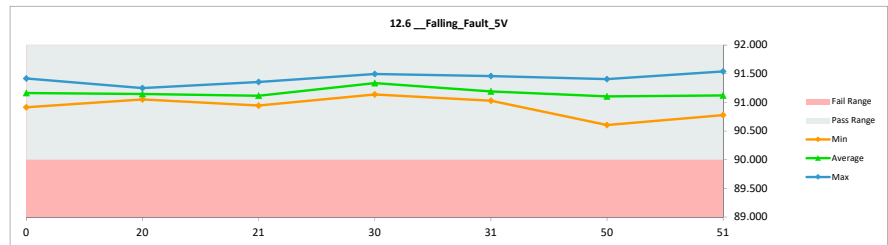
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12.6_Falling_Fault_5V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	91.097	91.158	0.061
0	52	91.346	91.416	0.070
0	53	90.852	90.915	0.063
20	81	90.993	91.052	0.059
20	82	90.913	91.192	0.279
20	83	90.941	91.073	0.132
20	84	90.882	91.249	0.367
20	85	91.103	91.167	0.064
30	76	91.282	91.138	-0.144
30	77	91.428	91.496	0.068
30	78	91.184	91.462	0.278
30	79	91.236	91.380	0.144
30	80	91.070	91.204	0.134
50	54	91.070	91.128	0.058
50	55	91.561	91.407	-0.154
50	56	91.023	90.937	-0.086
50	57	91.209	91.360	0.151
50	58	90.858	91.080	0.222
50	59	91.262	91.338	0.076
50	60	90.582	90.803	0.221
50	61	90.742	90.891	0.149
50	62	90.772	90.605	-0.167
50	63	91.047	91.268	0.221
50	64	91.209	91.135	-0.074
50	65	90.780	91.000	0.220
50	66	91.008	91.244	0.236
50	67	90.858	90.996	0.138
50	68	91.152	91.299	0.147
50	69	90.939	91.212	0.273
50	70	90.794	90.855	0.061
50	71	91.154	91.155	0.001
50	72	91.211	91.348	0.137
50	73	91.236	91.389	0.153
50	74	90.717	90.861	0.144
50	75	90.854	91.000	0.146
21	96	90.884	90.944	0.060
21	97	90.943	91.084	0.141
21	98	91.046	91.116	0.070
21	99	91.215	91.356	0.141
21	100	90.933	91.084	0.151
31	91	91.316	91.458	0.142
31	92	91.104	91.028	-0.076
31	93	91.046	91.186	0.140
31	94	91.019	91.158	0.139
31	95	90.991	91.128	0.137
51	86	91.069	90.996	-0.073
51	87	90.863	90.777	-0.086
51	88	91.316	91.539	0.223
51	89	91.127	91.046	-0.081
51	90	91.227	91.242	0.015
Max		91.561	91.539	0.367
Average		91.049	91.147	0.098
Min		90.582	90.605	-0.167
Std Dev		0.200	0.204	0.120



12.6_Falling_Fault_5V							
krad	0	20	21	30	31	50	51
LL	90.000	90.000	90.000	90.000	90.000	90.000	90.000
Min	90.915	91.052	90.944	91.138	91.028	90.605	90.777
Average	91.163	91.147	91.117	91.336	91.192	91.105	91.120
Max	91.416	91.249	91.356	91.496	91.458	91.407	91.539
UL							

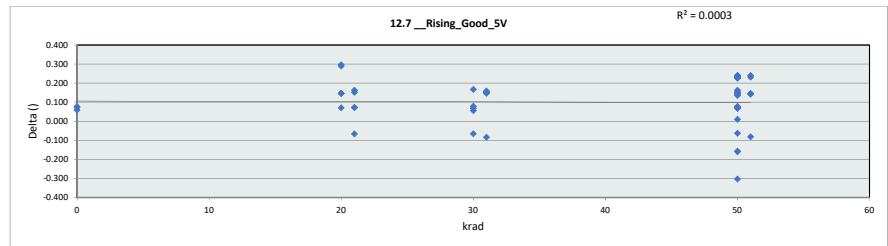


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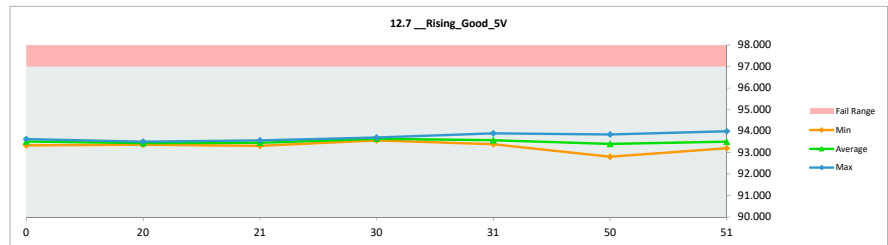
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12.7_Rising_Good_5V				
Test Site	Junkins - Dallas		Junkins - Dallas	
Tester	FEST36408		FEST36412	
Test Number	EB545302		EB545302	
Unit				
Max Limit	97		97	
Min Limit				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	93.520	93.592	0.072
0	52	93.548	93.625	0.077
0	53	93.276	93.335	0.059
20	81	93.185	93.481	0.296
20	82	93.324	93.395	0.071
20	83	93.358	93.504	0.146
20	84	93.299	93.446	0.147
20	85	93.076	93.366	0.290
30	76	93.510	93.566	0.056
30	77	93.622	93.701	0.079
30	78	93.610	93.679	0.069
30	79	93.659	93.594	-0.065
30	80	93.482	93.649	0.167
50	54	93.265	93.336	0.071
50	55	93.769	93.842	0.073
50	56	93.440	93.137	-0.303
50	57	93.622	93.785	0.163
50	58	93.276	93.506	0.230
50	59	93.466	93.533	0.067
50	60	92.776	93.002	0.226
50	61	92.948	93.089	0.141
50	62	92.965	92.808	-0.157
50	63	93.250	93.485	0.235
50	64	93.408	93.561	0.153
50	65	93.182	93.422	0.240
50	66	93.440	93.450	0.010
50	67	93.043	93.194	0.151
50	68	93.566	93.503	-0.063
50	69	93.354	93.432	0.078
50	70	93.219	93.060	-0.159
50	71	93.358	93.598	0.240
50	72	93.411	93.561	0.150
50	73	93.661	93.796	0.135
50	74	93.130	93.280	0.150
50	75	93.267	93.415	0.148
21	96	93.299	93.371	0.072
21	97	93.349	93.512	0.163
21	98	93.241	93.313	0.072
21	99	93.631	93.565	-0.066
21	100	93.354	93.506	0.152
31	91	93.736	93.895	0.159
31	92	93.528	93.444	-0.084
31	93	93.235	93.387	0.152
31	94	93.438	93.585	0.147
31	95	93.413	93.565	0.152
51	86	93.278	93.424	0.146
51	87	93.056	93.198	0.142
51	88	93.749	93.989	0.240
51	89	93.553	93.472	-0.081
51	90	93.214	93.446	0.232
	Max	93.769	93.989	0.296
	Average	93.367	93.468	0.101
	Min	92.776	92.808	-0.303
	Std Dev	0.219	0.223	0.121



12.7_Rising_Good_5V							
Test Site	Junkins - Dallas						
Tester	FEST36408						
Test Number	EB545302						
Max Limit	97						
Min Limit							
krad	0	20	21	30	31	50	51
LL							
Min	93.335	93.366	93.313	93.566	93.387	92.808	93.198
Average	93.517	93.438	93.453	93.638	93.575	93.400	93.506
Max	93.625	93.504	93.565	93.701	93.895	93.842	93.989
UL	97.000	97.000	97.000	97.000	97.000	97.000	97.000

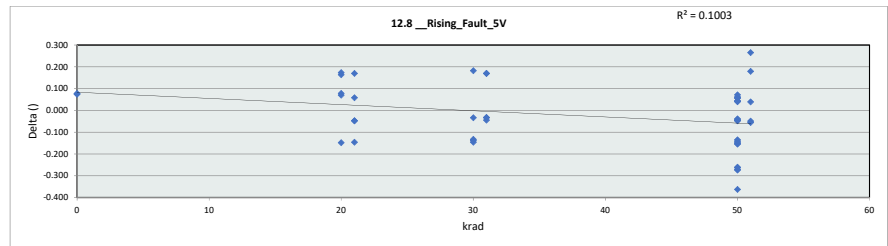


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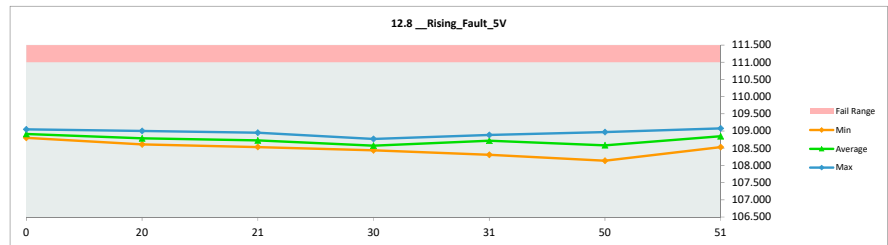
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12.8_Rising_Fault_5V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	108.812	108.889	0.077
0	52	108.976	109.050	0.074
0	53	108.727	108.803	0.076
20	81	108.863	108.933	0.070
20	82	108.536	108.614	0.078
20	83	108.832	109.005	0.173
20	84	108.477	108.641	0.164
20	85	108.904	108.756	-0.148
30	76	108.622	108.476	-0.146
30	77	108.635	108.502	-0.133
30	78	108.908	108.769	-0.139
30	79	108.473	108.439	-0.034
30	80	108.509	108.691	0.182
50	54	108.738	108.586	-0.152
50	55	108.652	108.723	0.071
50	56	108.705	108.431	-0.274
50	57	108.634	108.371	-0.263
50	58	108.737	108.793	0.056
50	59	108.885	108.522	-0.363
50	60	108.809	108.853	0.044
50	61	108.234	108.186	-0.048
50	62	108.412	108.266	-0.146
50	63	108.547	108.609	0.062
50	64	108.410	108.139	-0.271
50	65	108.865	108.907	0.042
50	66	108.919	108.764	-0.155
50	67	108.735	108.688	-0.047
50	68	108.600	108.561	-0.039
50	69	108.613	108.472	-0.141
50	70	108.926	108.791	-0.135
50	71	108.387	108.445	0.058
50	72	109.068	108.807	-0.261
50	73	108.930	108.970	0.040
50	74	108.827	108.782	-0.045
50	75	108.292	108.248	-0.044
21	96	108.478	108.536	0.058
21	97	108.612	108.564	-0.048
21	98	109.097	108.951	-0.146
21	99	108.859	108.811	-0.048
21	100	108.613	108.783	0.170
31	91	108.794	108.762	-0.032
31	92	108.344	108.310	-0.034
31	93	108.654	108.824	0.170
31	94	108.932	108.887	-0.045
31	95	108.639	108.809	0.170
51	86	108.737	108.688	-0.049
51	87	108.957	108.901	-0.056
51	88	108.811	109.076	0.265
51	89	108.874	109.053	0.179
51	90	108.494	108.533	0.039
Max		109.097	109.076	0.265
Average		108.702	108.679	-0.022
Min		108.234	108.139	-0.363
Std Dev		0.205	0.234	0.140



12.8_Rising_Fault_5V							
krad	0	20	21	30	31	50	51
LL							
Min	108.803	108.614	108.536	108.439	108.310	108.139	108.533
Average	108.914	108.790	108.729	108.575	108.718	108.587	108.850
Max	109.050	109.005	108.951	108.769	108.887	108.970	109.076
UL	111.000	111.000	111.000	111.000	111.000	111.000	111.000

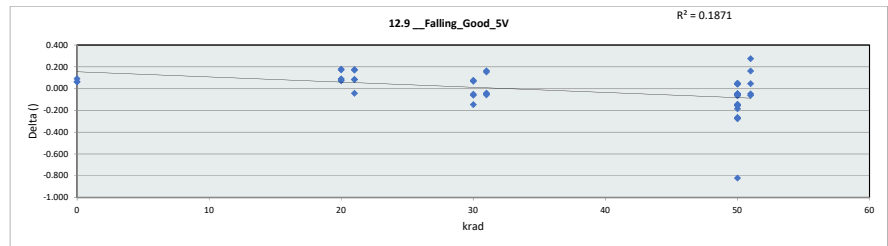


TID/HDR Report

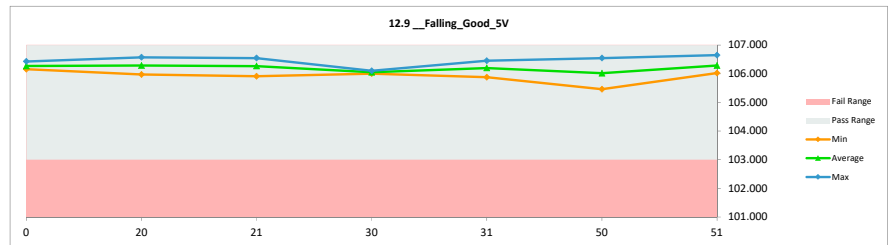
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12.9_Falling_Good_5V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	106.160	106.222	0.062
0	52	106.338	106.429	0.091
0	53	106.097	106.160	0.063
20	81	106.208	106.297	0.089
20	82	105.904	105.976	0.072
20	83	106.396	106.575	0.179
20	84	106.055	106.226	0.171
20	85	106.277	106.356	0.079
30	76	105.975	106.051	0.076
30	77	105.995	106.063	0.068
30	78	106.247	106.100	-0.147
30	79	106.065	106.005	-0.060
30	80	106.088	106.037	-0.051
50	54	106.318	106.160	-0.158
50	55	106.228	106.078	-0.150
50	56	106.069	106.005	-0.064
50	57	106.215	105.942	-0.273
50	58	106.086	106.134	0.048
50	59	106.245	106.097	-0.148
50	60	106.184	106.228	0.044
50	61	105.592	105.541	-0.051
50	62	105.986	105.837	-0.149
50	63	105.909	105.957	0.048
50	64	105.780	105.715	-0.065
50	65	106.441	106.482	0.041
50	66	106.503	106.547	0.044
50	67	106.082	106.035	-0.047
50	68	106.178	106.132	-0.046
50	69	106.179	106.035	-0.144
50	70	106.280	106.129	-0.151
50	71	105.970	105.785	-0.185
50	72	106.657	106.381	-0.276
50	73	106.280	105.459	-0.821
50	74	106.183	106.132	-0.051
50	75	105.864	105.599	-0.265
21	96	105.832	105.915	0.083
21	97	106.179	106.136	-0.043
21	98	106.463	106.547	0.084
21	99	106.217	106.391	0.174
21	100	106.183	106.353	0.170
31	91	106.162	106.314	0.152
31	92	105.939	105.881	-0.058
31	93	106.243	106.194	-0.049
31	94	106.494	106.453	-0.041
31	95	105.997	106.160	0.163
51	86	106.088	106.026	-0.062
51	87	106.308	106.260	-0.048
51	88	106.372	106.647	0.275
51	89	106.229	106.390	0.161
51	90	106.058	106.104	0.046
Max		106.657	106.647	0.275
Average		106.156	106.134	-0.022
Min		105.592	105.459	-0.821
Std Dev		0.200	0.259	0.172



12.9_Falling_Good_5V							
krad	0	20	21	30	31	50	51
LL	103.000	103.000	103.000	103.000	103.000	103.000	103.000
Min	106.160	105.976	105.915	106.005	105.881	105.459	106.026
Average	106.270	106.286	106.268	106.051	106.200	106.019	106.285
Max	106.429	106.575	106.547	106.100	106.453	106.547	106.647
UL							



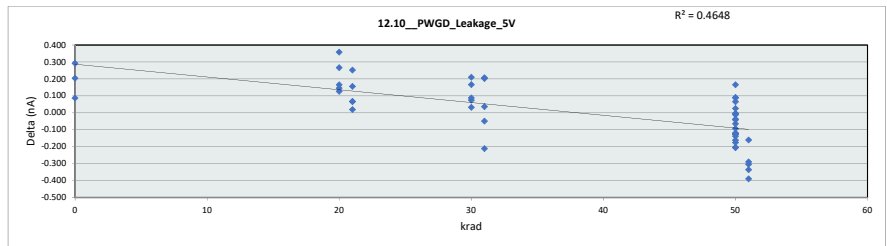


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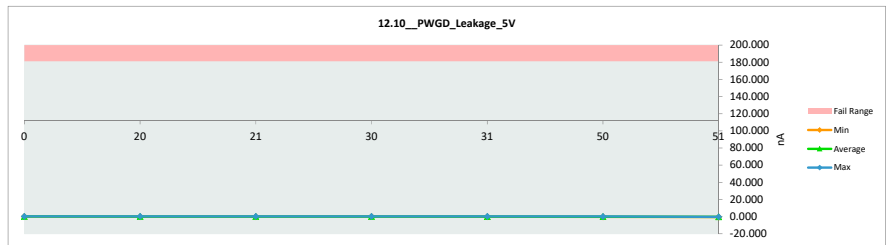
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12.10_PWGD_Leakage_5V				
Test Site	Junkins - Dallas	Junkins - Dallas		
Tester	FEST36408	FEST36412		
Test Number	EB545302	EB545302		
Unit	nA	nA		
Max Limit	181	181		
Min Limit				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	-0.021	0.066	0.087
0	52	-0.116	0.176	0.292
0	53	-0.135	0.069	0.204
20	81	-0.065	0.201	0.266
20	82	0.021	0.186	0.165
20	83	-0.248	-0.121	0.127
20	84	-0.016	0.130	0.146
20	85	-0.076	0.282	0.358
30	76	-0.042	-0.010	0.032
30	77	-0.024	0.186	0.210
30	78	-0.006	0.082	0.088
30	79	-0.025	0.050	0.075
30	80	-0.117	0.049	0.166
50	54	-0.034	0.131	0.165
50	55	-0.016	-0.109	-0.093
50	56	-0.121	-0.243	-0.122
50	57	-0.191	-0.196	-0.005
50	58	-0.091	-0.129	-0.038
50	59	-0.062	0.026	0.088
50	60	-0.084	-0.088	-0.004
50	61	-0.066	-0.272	-0.206
50	62	-0.143	-0.052	0.091
50	63	-0.068	-0.188	-0.120
50	64	-0.139	-0.314	-0.175
50	65	-0.114	-0.049	0.065
50	66	-0.104	-0.110	-0.006
50	67	-0.084	-0.095	-0.011
50	68	-0.129	-0.254	-0.125
50	69	-0.064	-0.190	-0.126
50	70	-0.028	-0.232	-0.204
50	71	-0.094	-0.159	-0.065
50	72	-0.127	-0.168	-0.041
50	73	-0.036	-0.174	-0.138
50	74	-0.080	-0.054	0.026
50	75	-0.031	-0.192	-0.161
21	96	-0.108	-0.042	0.066
21	97	-0.075	0.177	0.252
21	98	-0.097	0.059	0.156
21	99	-0.082	-0.063	0.019
21	100	-0.094	-0.027	0.067
31	91	0.019	-0.192	-0.211
31	92	-0.068	-0.032	0.036
31	93	-0.063	-0.112	-0.049
31	94	-0.160	0.047	0.207
31	95	-0.022	0.180	0.202
51	86	-0.097	-0.387	-0.290
51	87	-0.085	-0.421	-0.336
51	88	-0.087	-0.391	-0.304
51	89	-0.094	-0.484	-0.390
51	90	-0.065	-0.225	-0.160
Max		0.021	0.282	0.358
Average		-0.079	-0.074	0.006
Min		-0.248	-0.484	-0.390
Std Dev		0.051	0.178	0.173



12.10_PWGD_Leakage_5V							
Test Site	Junkins - Dallas						
Tester	FEST36408						
Test Number	EB545302						
Max Limit	181	nA					
Min Limit		nA					
krad	0	20	21	30	31	50	51
LL	0.066	-0.121	-0.063	-0.010	-0.192	-0.314	-0.484
Min	0.104	0.136	0.021	0.071	-0.022	-0.141	-0.382
Average	0.176	0.282	0.177	0.186	0.180	0.131	-0.225
Max	181.000	181.000	181.000	181.000	181.000	181.000	181.000
UL							

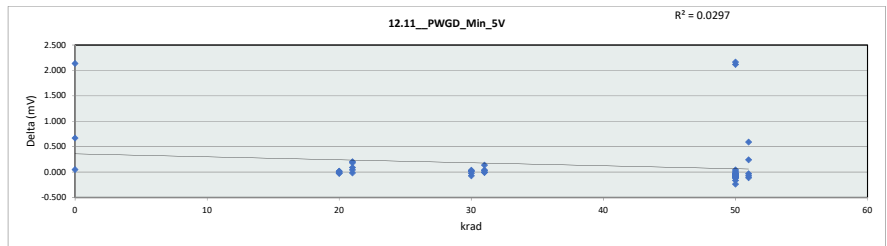


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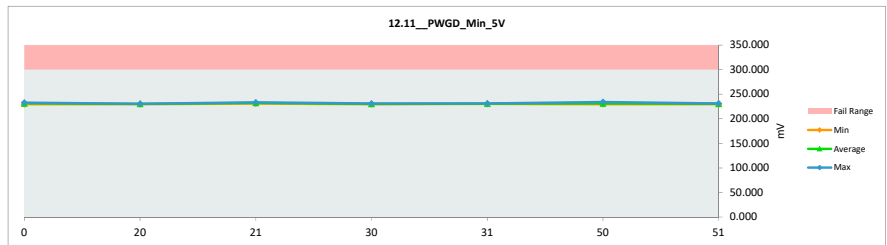
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12.11_PWGD_Min_5V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	229.478	229.528	0.050
0	52	230.564	232.701	2.137
0	53	230.924	231.595	0.671
20	81	230.527	230.506	-0.021
20	82	229.470	229.489	0.019
20	83	230.179	230.195	0.016
20	84	229.865	229.842	-0.023
20	85	230.388	230.374	-0.014
30	76	230.026	230.048	0.022
30	77	229.560	229.596	0.036
30	78	230.741	230.668	-0.073
30	79	229.728	229.705	-0.023
30	80	231.014	231.033	0.019
50	54	231.163	230.927	-0.236
50	55	231.118	231.068	-0.050
50	56	231.652	231.609	-0.043
50	57	231.958	234.123	2.165
50	58	231.001	230.836	-0.165
50	59	230.405	230.374	-0.031
50	60	231.174	231.082	-0.092
50	61	230.698	230.630	-0.068
50	62	230.992	230.951	-0.041
50	63	230.889	230.809	-0.080
50	64	231.603	231.563	-0.040
50	65	230.578	230.564	-0.014
50	66	230.554	230.450	-0.104
50	67	230.778	230.719	-0.059
50	68	230.542	230.561	0.019
50	69	230.381	230.265	-0.116
50	70	230.103	230.032	-0.071
50	71	229.933	229.902	-0.031
50	72	230.907	230.807	-0.100
50	73	232.051	234.170	2.119
50	74	231.992	232.037	0.045
50	75	229.723	229.609	-0.114
21	96	231.043	231.133	0.090
21	97	230.960	230.943	-0.017
21	98	233.051	233.232	0.181
21	99	232.991	233.195	0.204
21	100	232.338	232.381	0.043
31	91	230.568	230.608	0.040
31	92	231.053	231.080	0.027
31	93	230.704	230.698	-0.006
31	94	230.215	230.211	-0.004
31	95	230.600	230.737	0.137
51	86	230.305	230.233	-0.072
51	87	230.569	230.459	-0.110
51	88	230.580	231.170	0.590
51	89	230.405	230.646	0.241
51	90	229.436	229.404	-0.032
	Max	233.051	234.170	2.165
	Average	230.750	230.890	0.140
	Min	229.436	229.404	-0.236
	Std Dev	0.815	1.090	0.533



12.11_PWGD_Min_5V							
krad	0	20	21	30	31	50	51
LL	229.528	229.489	230.943	229.596	230.211	229.609	229.404
Min	231.275	230.081	232.177	230.210	230.667	231.049	230.382
Average	232.701	230.506	233.232	231.033	231.080	234.170	231.170
Max	300.000	300.000	300.000	300.000	300.000	300.000	300.000
UL	300.000	300.000	300.000	300.000	300.000	300.000	300.000

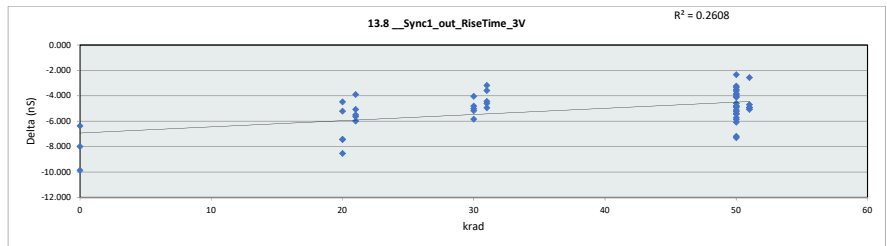


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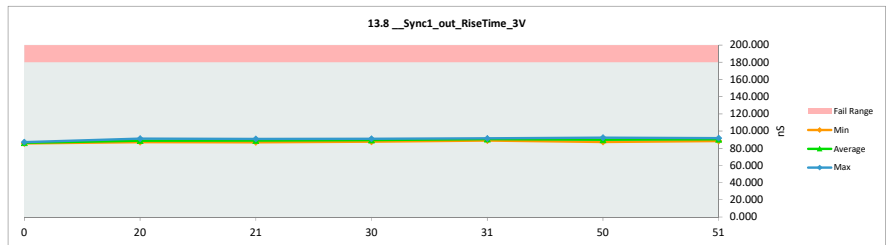
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13.8_Sync1_out_RiseTime_3V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	92.790	86.432	-6.358
0	52	95.385	85.523	-9.862
0	53	95.042	87.059	-7.983
20	81	94.458	87.031	-7.427
20	82	95.713	91.235	-4.478
20	83	96.765	88.236	-8.529
20	84	94.299	89.100	-5.199
20	85	95.647	88.226	-7.421
30	76	96.195	91.026	-5.169
30	77	93.724	89.685	-4.039
30	78	94.160	89.353	-4.807
30	79	92.541	87.535	-5.006
30	80	95.352	89.512	-5.840
50	54	95.909	90.482	-5.427
50	55	94.104	89.197	-4.907
50	56	94.504	88.648	-5.856
50	57	95.994	90.602	-5.392
50	58	93.233	89.323	-3.910
50	59	92.692	88.099	-4.593
50	60	97.604	90.424	-7.180
50	61	95.459	90.234	-5.225
50	62	94.544	88.467	-6.077
50	63	94.987	90.189	-4.798
50	64	94.596	87.306	-7.290
50	65	95.151	90.038	-5.113
50	66	92.780	88.737	-4.043
50	67	94.985	89.266	-5.719
50	68	93.777	90.543	-3.234
50	69	92.378	90.043	-2.335
50	70	94.803	90.691	-4.112
50	71	93.409	89.574	-3.835
50	72	93.584	88.786	-4.798
50	73	95.656	92.333	-3.323
50	74	95.069	91.562	-3.507
50	75	94.186	90.571	-3.615
21	96	92.913	86.931	-5.982
21	97	92.626	87.136	-5.490
21	98	95.275	90.209	-5.066
21	99	94.835	89.205	-5.630
21	100	94.730	90.837	-3.893
31	91	95.789	90.843	-4.946
31	92	93.313	88.881	-4.432
31	93	94.625	91.450	-3.175
31	94	94.399	90.813	-3.586
31	95	95.478	90.875	-4.603
51	86	92.859	90.299	-2.560
51	87	96.591	91.647	-4.944
51	88	93.418	88.355	-5.063
51	89	95.215	90.306	-4.909
51	90	96.031	91.339	-4.692
Max		97.604	92.333	-2.335
Average		94.591	89.484	-5.108
Min		92.378	85.523	-9.862
Std Dev		1.231	1.532	1.493



13.8_Sync1_out_RiseTime_3V							
krad	0	20	21	30	31	50	51
LL							
Min	85.523	87.031	86.931	87.535	88.881	87.306	88.355
Average	86.338	88.766	88.864	89.422	90.572	89.778	90.389
Max	87.059	91.235	90.837	91.026	91.450	92.333	91.647
UL	180.000	180.000	180.000	180.000	180.000	180.000	180.000

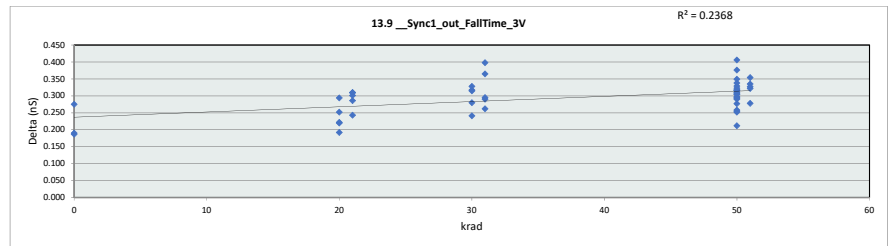


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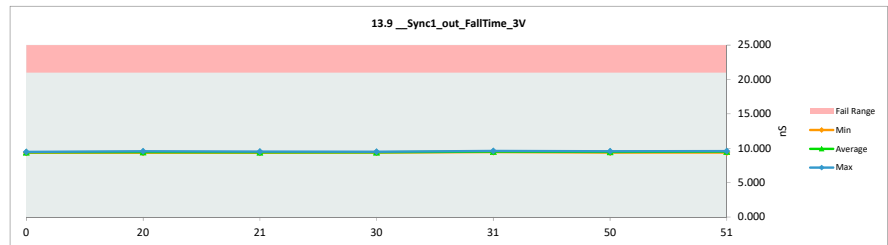
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13.9_Sync1_out_FallTime_3V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	9.278	9.468	0.190
0	52	9.154	9.341	0.187
0	53	9.152	9.427	0.275
20	81	9.164	9.356	0.192
20	82	9.170	9.392	0.222
20	83	9.307	9.559	0.252
20	84	9.193	9.413	0.220
20	85	9.243	9.537	0.294
30	76	9.183	9.500	0.317
30	77	9.135	9.376	0.241
30	78	9.096	9.376	0.280
30	79	9.117	9.445	0.328
30	80	9.118	9.433	0.315
50	54	9.219	9.431	0.212
50	55	9.226	9.516	0.290
50	56	9.217	9.475	0.258
50	57	9.168	9.473	0.305
50	58	9.138	9.433	0.295
50	59	9.130	9.446	0.316
50	60	9.202	9.525	0.323
50	61	9.143	9.459	0.316
50	62	9.214	9.512	0.298
50	63	9.177	9.470	0.293
50	64	9.135	9.453	0.318
50	65	9.221	9.550	0.329
50	66	9.023	9.399	0.376
50	67	9.097	9.503	0.406
50	68	9.093	9.431	0.338
50	69	9.141	9.490	0.349
50	70	9.123	9.428	0.305
50	71	9.193	9.503	0.310
50	72	9.089	9.366	0.277
50	73	9.187	9.439	0.252
50	74	9.126	9.381	0.255
50	75	9.075	9.383	0.308
21	96	9.100	9.343	0.243
21	97	9.223	9.524	0.301
21	98	9.132	9.442	0.310
21	99	9.082	9.391	0.309
21	100	9.132	9.418	0.286
31	91	9.266	9.528	0.262
31	92	9.198	9.493	0.295
31	93	9.152	9.442	0.290
31	94	9.143	9.508	0.365
31	95	9.210	9.608	0.398
51	86	9.045	9.372	0.327
51	87	9.252	9.587	0.335
51	88	9.165	9.519	0.354
51	89	9.218	9.540	0.322
51	90	9.214	9.492	0.278
Max		9.307	9.608	0.406
Average		9.164	9.458	0.294
Min		9.023	9.341	0.187
Std Dev		0.060	0.065	0.049



13.9_Sync1_out_FallTime_3							
krad	0	20	21	30	31	50	51
LL	9.341	9.356	9.343	9.376	9.442	9.366	9.372
Min	9.412	9.451	9.424	9.426	9.516	9.458	9.502
Average	9.468	9.559	9.524	9.500	9.608	9.550	9.587
Max	21.000	21.000	21.000	21.000	21.000	21.000	21.000
UL	21.000	21.000	21.000	21.000	21.000	21.000	21.000



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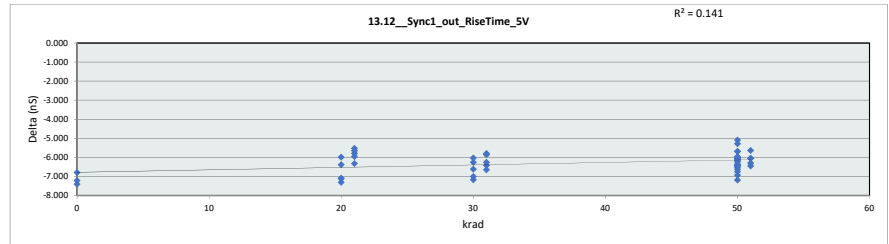
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13.12\_Sync1\_out\_RiseTime\_5V

Test Site	Junkins - Dallas	Junkins - Dallas
Tester	FEST36408	FEST36412
Test Number	EB545302	EB545302
Unit	nS	nS
Max Limit	180	180
Min Limit		

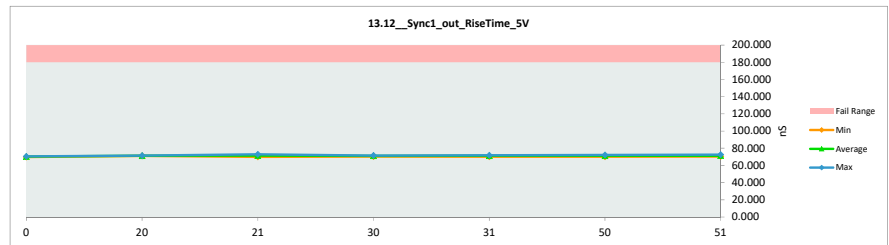
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	77.142	69.740	-7.402
0	52	77.382	70.591	-6.791
0	53	77.788	70.572	-7.216
20	81	77.199	71.212	-5.987
20	82	78.497	71.388	-7.109
20	83	78.186	71.102	-7.084
20	84	78.388	71.080	-7.308
20	85	77.761	71.375	-6.386
30	76	78.248	71.074	-7.174
30	77	77.717	71.459	-6.258
30	78	78.478	71.479	-6.999
30	79	77.017	70.396	-6.621
30	80	77.593	71.563	-6.030
50	54	77.993	71.057	-6.936
50	55	76.572	70.423	-6.149
50	56	76.721	71.437	-5.284
50	57	78.221	72.201	-6.020
50	58	76.635	70.544	-6.091
50	59	76.894	71.209	-5.685
50	60	78.510	72.157	-6.353
50	61	77.374	70.929	-6.445
50	62	77.347	70.597	-6.750
50	63	77.817	71.365	-6.452
50	64	77.023	70.940	-6.083
50	65	77.671	71.443	-6.228
50	66	76.701	71.018	-5.683
50	67	77.646	71.257	-6.389
50	68	77.043	71.084	-5.959
50	69	76.741	70.234	-6.507
50	70	77.452	71.439	-6.013
50	71	77.545	71.528	-6.017
50	72	76.168	71.077	-5.091
50	73	78.268	71.080	-7.188
50	74	78.130	72.144	-5.986
50	75	78.007	71.394	-6.613
21	96	76.339	70.012	-6.327
21	97	76.389	70.431	-5.958
21	98	78.691	72.908	-5.783
21	99	77.851	72.199	-5.652
21	100	77.396	71.871	-5.525
31	91	77.978	71.719	-6.259
31	92	76.752	70.105	-6.647
31	93	77.810	71.388	-6.422
31	94	77.437	71.579	-5.858
31	95	77.605	71.813	-5.792
51	86	76.515	70.882	-5.633
51	87	78.694	72.648	-6.046
51	88	76.479	70.430	-6.049
51	89	77.954	71.507	-6.447
51	90	77.735	71.439	-6.296
Max		78.694	72.908	-5.091
Average		77.510	71.210	-6.300
Min		76.168	69.740	-7.402
Std Dev		0.676	0.654	0.537



13.12\_Sync1\_out\_RiseTime

Test Site	Junkins - Dallas
Tester	FEST36408
Test Number	EB545302
Max Limit	180 nS
Min Limit	nS

krad	0	20	21	30	31	50	51
LL	69.740	71.080	70.012	70.396	70.105	70.234	70.430
Min	70.301	71.231	71.484	71.194	71.321	71.207	71.381
Average	70.591	71.388	72.908	71.563	71.813	72.201	72.648
Max	180.000	180.000	180.000	180.000	180.000	180.000	180.000
UL	180.000	180.000	180.000	180.000	180.000	180.000	180.000

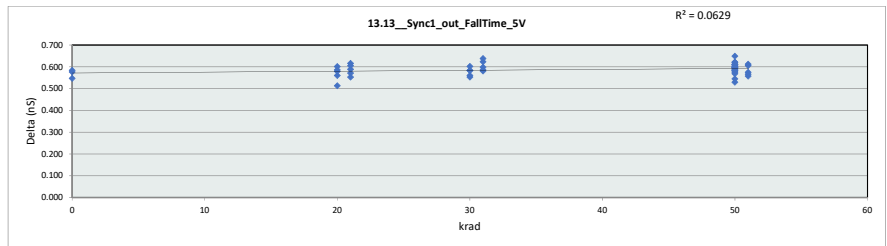


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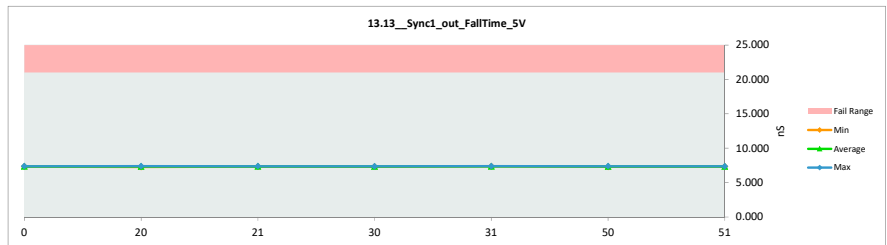
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13.13_Sync1_out_FallTime_5V				
Test Site	Junkins - Dallas		Junkins - Dallas	
Tester	FEST36408		FEST36412	
Test Number	EB545302		EB545302	
Unit	nS		nS	
Max Limit	21		21	
Min Limit				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	6.815	7.391	0.576
0	52	6.792	7.339	0.547
0	53	6.788	7.372	0.584
20	81	6.750	7.351	0.601
20	82	6.773	7.286	0.513
20	83	6.814	7.393	0.579
20	84	6.797	7.357	0.560
20	85	6.789	7.375	0.586
30	76	6.792	7.352	0.560
30	77	6.783	7.367	0.584
30	78	6.763	7.346	0.583
30	79	6.765	7.367	0.602
30	80	6.764	7.317	0.553
50	54	6.780	7.377	0.597
50	55	6.765	7.352	0.587
50	56	6.769	7.377	0.608
50	57	6.790	7.335	0.545
50	58	6.763	7.344	0.581
50	59	6.758	7.358	0.600
50	60	6.770	7.370	0.600
50	61	6.766	7.376	0.610
50	62	6.759	7.381	0.622
50	63	6.764	7.354	0.590
50	64	6.753	7.328	0.575
50	65	6.805	7.373	0.568
50	66	6.761	7.356	0.595
50	67	6.736	7.385	0.649
50	68	6.772	7.384	0.612
50	69	6.776	7.305	0.529
50	70	6.735	7.344	0.609
50	71	6.779	7.361	0.582
50	72	6.787	7.382	0.595
50	73	6.775	7.359	0.584
50	74	6.734	7.354	0.620
50	75	6.736	7.335	0.599
21	96	6.739	7.344	0.605
21	97	6.778	7.349	0.571
21	98	6.768	7.384	0.616
21	99	6.802	7.391	0.589
21	100	6.802	7.355	0.553
31	91	6.787	7.373	0.586
31	92	6.787	7.385	0.598
31	93	6.739	7.362	0.623
31	94	6.754	7.392	0.638
31	95	6.783	7.364	0.581
51	86	6.733	7.339	0.606
51	87	6.817	7.374	0.557
51	88	6.771	7.346	0.575
51	89	6.790	7.356	0.566
51	90	6.762	7.374	0.612
	Max	6.817	7.393	0.649
	Average	6.773	7.360	0.587
	Min	6.733	7.286	0.513
	Std Dev	0.022	0.022	0.026



13.13_Sync1_out_FallTime_5V							
Test Site	Junkins - Dallas						
Tester	FEST36408						
Test Number	EB545302						
Max Limit	21						
Min Limit	nS						
krad	0	20	21	30	31	50	51
LL	7.339	7.286	7.344	7.317	7.362	7.305	7.339
Min	7.367	7.352	7.365	7.350	7.375	7.359	7.358
Average	7.391	7.393	7.391	7.367	7.392	7.385	7.374
Max	21.000	21.000	21.000	21.000	21.000	21.000	21.000
UL	21.000	21.000	21.000	21.000	21.000	21.000	21.000

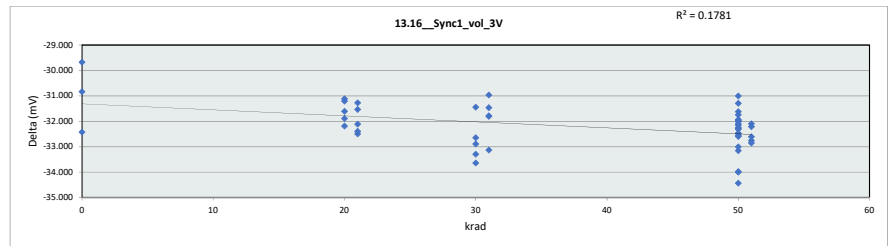


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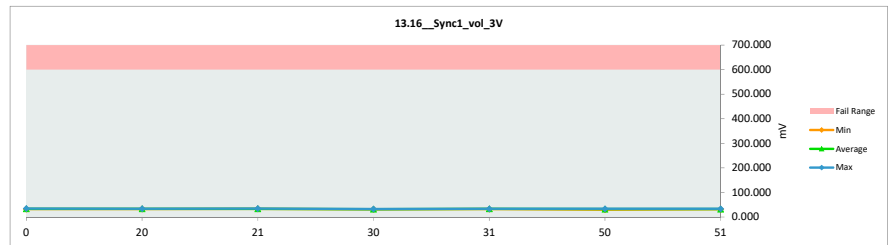
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13.16_Sync1_vol_3V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	64.573	32.148	-32.425
0	52	63.902	33.068	-30.834
0	53	63.987	34.310	-29.677
20	81	64.923	33.719	-31.204
20	82	63.651	32.536	-31.115
20	83	63.962	32.356	-31.606
20	84	64.896	33.006	-31.890
20	85	65.111	32.926	-32.185
30	76	64.429	31.539	-32.890
30	77	64.291	32.844	-31.447
30	78	64.464	31.815	-32.649
30	79	64.914	31.617	-33.297
30	80	64.650	31.011	-33.639
50	54	64.489	31.329	-33.160
50	55	64.638	31.635	-33.003
50	56	64.100	31.797	-32.303
50	57	64.171	31.608	-32.563
50	58	64.866	32.392	-32.474
50	59	64.359	32.211	-32.148
50	60	64.396	29.960	-34.436
50	61	64.043	31.449	-32.594
50	62	64.997	32.515	-32.482
50	63	64.223	33.217	-31.006
50	64	65.411	31.409	-34.002
50	65	63.814	31.563	-32.251
50	66	64.656	32.680	-31.976
50	67	65.084	33.100	-31.984
50	68	64.028	32.278	-31.750
50	69	64.249	32.236	-32.013
50	70	64.680	32.577	-32.103
50	71	64.489	33.196	-31.293
50	72	65.830	31.851	-33.979
50	73	64.210	31.906	-32.304
50	74	64.704	32.776	-31.928
50	75	64.453	32.830	-31.623
21	96	65.117	33.586	-31.531
21	97	65.429	32.932	-32.497
21	98	65.441	33.046	-32.395
21	99	65.531	34.253	-31.278
21	100	65.351	33.238	-32.113
31	91	64.525	32.720	-31.805
31	92	64.477	33.509	-30.968
31	93	65.127	33.340	-31.787
31	94	65.040	31.905	-33.135
31	95	64.728	33.266	-31.462
51	86	65.423	33.322	-32.101
51	87	63.639	31.425	-32.214
51	88	64.591	31.738	-32.853
51	89	64.549	31.941	-32.608
51	90	64.656	31.894	-32.762
51	Max	65.830	34.310	-29.677
51	Average	64.625	32.430	-32.195
51	Min	63.639	29.960	-34.436
51	Std Dev	0.514	0.865	0.875



13.16_Sync1_vol_3V							
krad	0	20	21	30	31	50	51
LL	32.148	32.356	32.932	31.011	31.905	29.960	31.425
Min	33.175	32.909	33.411	31.765	32.948	32.114	32.064
Average	34.310	33.719	34.253	32.844	33.509	33.217	33.322
Max	600.000	600.000	600.000	600.000	600.000	600.000	600.000
UL	600.000	600.000	600.000	600.000	600.000	600.000	600.000

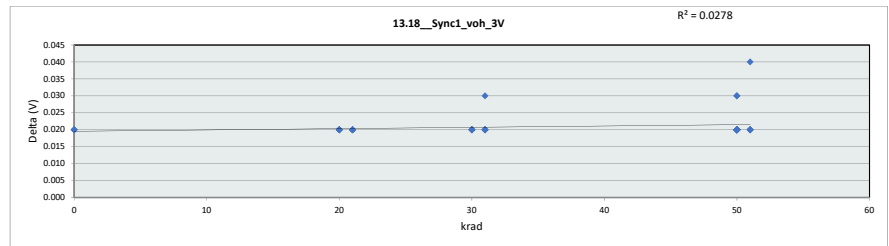


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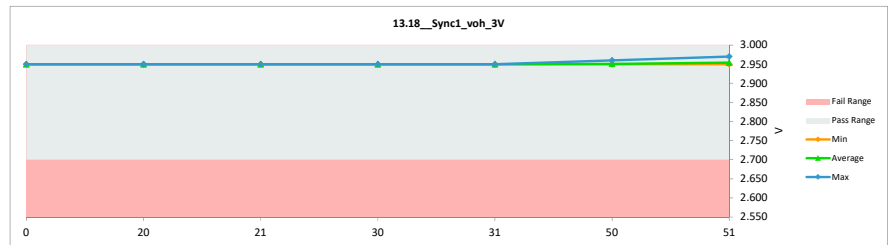
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13.18_Sync1_voh_3V				
Test Site	Junkins - Dallas	Junkins - Dallas		
Tester	FEST36408	FEST36412		
Test Number	EB545302	EB545302		
Unit	V	V		
Max Limit				
Min Limit	2.7	2.7		
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	2.930	2.950	0.020
0	52	2.930	2.950	0.020
0	53	2.930	2.950	0.020
20	81	2.930	2.950	0.020
20	82	2.930	2.950	0.020
20	83	2.930	2.950	0.020
20	84	2.930	2.950	0.020
20	85	2.930	2.950	0.020
30	76	2.930	2.950	0.020
30	77	2.930	2.950	0.020
30	78	2.930	2.950	0.020
30	79	2.930	2.950	0.020
30	80	2.930	2.950	0.020
50	54	2.930	2.950	0.020
50	55	2.930	2.950	0.020
50	56	2.930	2.950	0.020
50	57	2.930	2.950	0.020
50	58	2.930	2.950	0.020
50	59	2.930	2.950	0.020
50	60	2.930	2.950	0.020
50	61	2.930	2.950	0.020
50	62	2.930	2.950	0.020
50	63	2.930	2.960	0.030
50	64	2.930	2.950	0.020
50	65	2.930	2.950	0.020
50	66	2.930	2.950	0.020
50	67	2.930	2.950	0.020
50	68	2.930	2.960	0.030
50	69	2.930	2.950	0.020
50	70	2.930	2.950	0.020
50	71	2.930	2.950	0.020
50	72	2.930	2.950	0.020
50	73	2.930	2.950	0.020
50	74	2.930	2.950	0.020
50	75	2.930	2.950	0.020
21	96	2.930	2.950	0.020
21	97	2.930	2.950	0.020
21	98	2.930	2.950	0.020
21	99	2.930	2.950	0.020
21	100	2.930	2.950	0.020
31	91	2.930	2.950	0.020
31	92	2.930	2.950	0.020
31	93	2.930	2.950	0.020
31	94	2.930	2.950	0.020
31	95	2.920	2.950	0.030
51	86	2.930	2.950	0.020
51	87	2.930	2.950	0.020
51	88	2.930	2.970	0.040
51	89	2.930	2.950	0.020
51	90	2.930	2.950	0.020
	Max	2.930	2.970	0.040
	Average	2.930	2.951	0.021
	Min	2.920	2.950	0.020
	Std Dev	0.001	0.003	0.004



13.18_Sync1_voh_3V							
Test Site	Junkins - Dallas						
Tester	FEST36408						
Test Number	EB545302						
Max Limit	V						
Min Limit	2.7	V					
krad	0	20	21	30	31	50	51
LL	2.700	2.700	2.700	2.700	2.700	2.700	2.700
Min	2.950	2.950	2.950	2.950	2.950	2.950	2.950
Average	2.950	2.950	2.950	2.950	2.950	2.951	2.954
Max	2.950	2.950	2.950	2.950	2.950	2.960	2.970
UL							



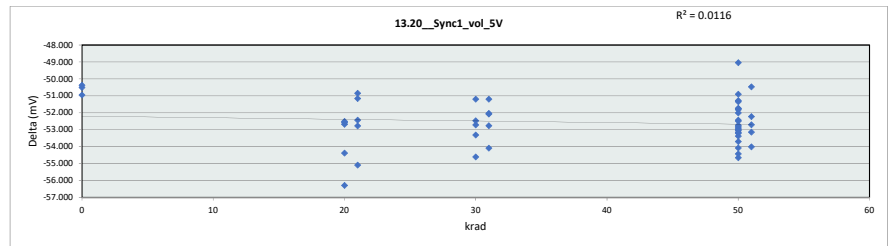


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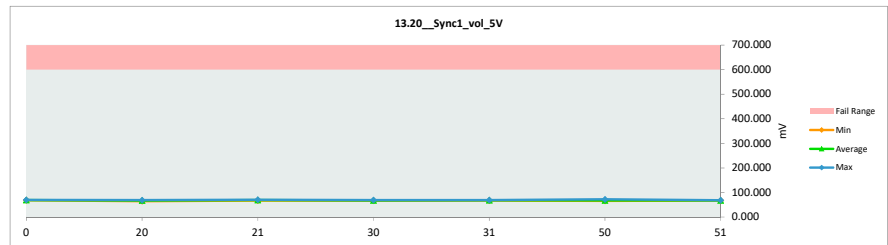
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13.20_Sync1_vol_5V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	120.139	69.767	-50.372
0	52	120.188	69.682	-50.506
0	53	119.285	68.334	-50.951
20	81	120.571	64.291	-56.280
20	82	121.979	67.601	-54.378
20	83	120.027	67.440	-52.587
20	84	120.932	68.427	-52.505
20	85	121.356	68.680	-52.676
30	76	120.895	68.421	-52.474
30	77	120.009	68.818	-51.191
30	78	120.320	67.005	-53.315
30	79	120.034	67.322	-52.712
30	80	121.137	66.533	-54.604
50	54	119.700	66.663	-53.037
50	55	121.116	68.680	-52.436
50	56	121.457	67.756	-53.701
50	57	120.084	66.008	-54.076
50	58	120.765	67.390	-53.375
50	59	119.985	68.170	-51.815
50	60	121.471	67.048	-54.423
50	61	118.889	67.986	-50.903
50	62	121.266	69.256	-52.010
50	63	120.152	67.005	-53.147
50	64	121.254	68.518	-52.736
50	65	119.545	66.713	-52.832
50	66	120.982	71.943	-49.039
50	67	121.056	68.570	-52.486
50	68	119.212	67.477	-51.735
50	69	120.201	67.215	-52.986
50	70	120.320	65.666	-54.654
50	71	119.694	68.350	-51.344
50	72	123.188	71.905	-51.283
50	73	119.687	66.781	-52.906
50	74	119.176	67.425	-51.751
50	75	119.811	66.607	-53.204
21	96	120.474	68.042	-52.432
21	97	121.886	66.801	-55.085
21	98	121.523	70.361	-51.162
21	99	121.469	68.692	-52.777
21	100	121.128	70.278	-50.850
31	91	120.109	68.914	-51.195
31	92	120.523	68.446	-52.077
31	93	121.056	66.969	-54.087
31	94	120.709	67.943	-52.766
31	95	121.086	69.048	-52.038
51	86	120.757	66.750	-54.007
51	87	118.506	68.036	-50.470
51	88	120.177	67.949	-52.228
51	89	119.979	66.843	-53.136
51	90	120.839	68.135	-52.704
Max		123.188	71.943	-49.039
Average		120.522	67.973	-52.549
Min		118.506	64.291	-56.280
Std Dev		0.869	1.411	1.373



13.20_Sync1_vol_5V							
krad	0	20	21	30	31	50	51
LL							
Min	68.334	64.291	66.801	66.533	66.969	65.666	66.750
Average	69.261	67.288	68.835	67.620	68.264	67.870	67.543
Max	69.767	68.680	70.361	68.818	69.048	71.943	68.135
UL	600.000	600.000	600.000	600.000	600.000	600.000	600.000

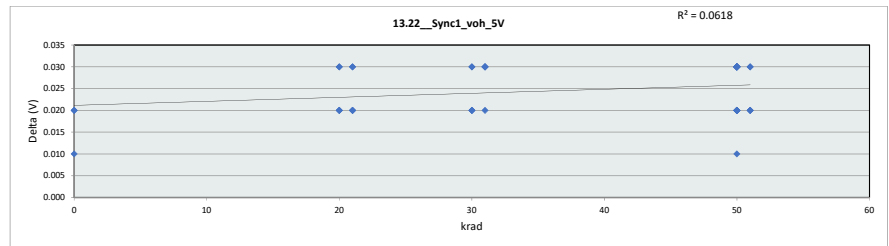


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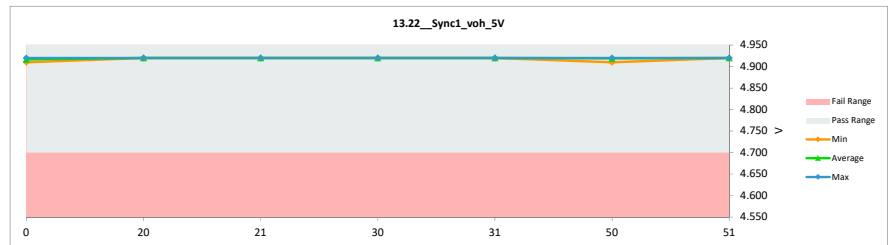
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13.22_Sync1_voh_5V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	4.900	4.910	0.010
0	52	4.900	4.920	0.020
0	53	4.900	4.920	0.020
20	81	4.900	4.920	0.020
20	82	4.900	4.920	0.020
20	83	4.890	4.920	0.030
20	84	4.900	4.920	0.020
20	85	4.890	4.920	0.030
30	76	4.900	4.920	0.020
30	77	4.900	4.920	0.020
30	78	4.900	4.920	0.020
30	79	4.890	4.920	0.030
30	80	4.890	4.920	0.030
50	54	4.900	4.920	0.020
50	55	4.900	4.920	0.020
50	56	4.890	4.920	0.030
50	57	4.890	4.910	0.020
50	58	4.890	4.920	0.030
50	59	4.890	4.920	0.030
50	60	4.890	4.920	0.030
50	61	4.890	4.920	0.030
50	62	4.890	4.920	0.030
50	63	4.900	4.920	0.020
50	64	4.890	4.920	0.030
50	65	4.900	4.910	0.010
50	66	4.890	4.920	0.030
50	67	4.890	4.920	0.030
50	68	4.900	4.920	0.020
50	69	4.900	4.920	0.020
50	70	4.890	4.920	0.030
50	71	4.900	4.920	0.020
50	72	4.890	4.920	0.030
50	73	4.900	4.920	0.020
50	74	4.890	4.920	0.030
50	75	4.890	4.920	0.030
21	96	4.900	4.920	0.020
21	97	4.890	4.920	0.030
21	98	4.890	4.920	0.030
21	99	4.900	4.920	0.020
21	100	4.900	4.920	0.020
31	91	4.890	4.920	0.030
31	92	4.890	4.920	0.030
31	93	4.890	4.920	0.030
31	94	4.900	4.920	0.020
31	95	4.890	4.920	0.030
51	86	4.890	4.920	0.030
51	87	4.900	4.920	0.020
51	88	4.900	4.920	0.020
51	89	4.890	4.920	0.030
51	90	4.900	4.920	0.020
Max		4.900	4.920	0.030
Average		4.895	4.919	0.025
Min		4.890	4.910	0.010
Std Dev		0.005	0.002	0.006



13.22_Sync1_voh_5V							
krad	0	20	21	30	31	50	51
LL	4.700	4.700	4.700	4.700	4.700	4.700	4.700
Min	4.910	4.920	4.920	4.920	4.920	4.910	4.920
Average	4.917	4.920	4.920	4.920	4.920	4.919	4.920
Max	4.920	4.920	4.920	4.920	4.920	4.920	4.920
UL							

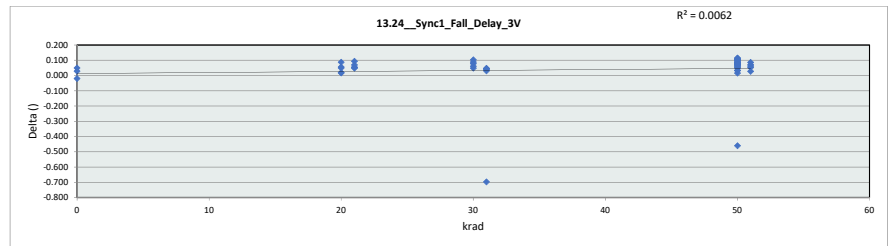


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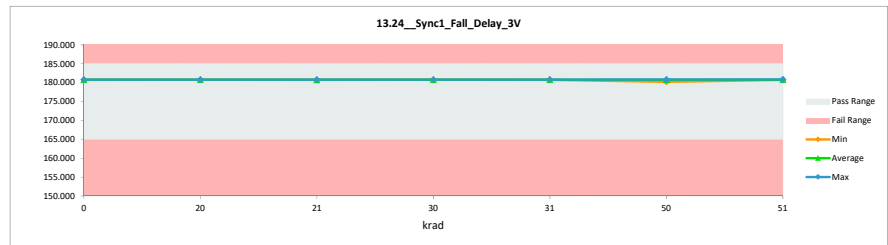
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13.24_Sync1_Fall_Delay_3V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	180.848	180.828	-0.020
0	52	180.700	180.749	0.049
0	53	180.745	180.774	0.029
20	81	180.735	180.791	0.056
20	82	180.735	180.785	0.050
20	83	180.786	180.805	0.019
20	84	180.743	180.830	0.087
20	85	180.776	180.793	0.017
30	76	180.712	180.773	0.061
30	77	180.737	180.825	0.088
30	78	180.681	180.759	0.078
30	79	180.692	180.795	0.103
30	80	180.728	180.776	0.048
50	54	180.693	180.791	0.098
50	55	180.761	180.846	0.085
50	56	180.664	180.777	0.113
50	57	180.736	180.791	0.055
50	58	180.722	180.755	0.033
50	59	180.747	180.812	0.065
50	60	180.691	180.795	0.104
50	61	180.684	180.784	0.100
50	62	180.702	180.779	0.077
50	63	180.683	180.768	0.085
50	64	180.749	180.830	0.081
50	65	180.759	180.809	0.050
50	66	180.681	180.697	0.016
50	67	180.695	180.793	0.098
50	68	180.707	180.780	0.073
50	69	180.740	180.855	0.115
50	70	180.678	180.739	0.061
50	71	180.702	180.736	0.034
50	72	180.647	180.719	0.072
50	73	180.679	180.219	-0.460
50	74	180.681	180.785	0.104
50	75	180.668	180.762	0.094
21	96	180.713	180.766	0.053
21	97	180.741	180.810	0.069
21	98	180.682	180.730	0.048
21	99	180.635	180.729	0.094
21	100	180.699	180.754	0.055
31	91	180.774	180.819	0.045
31	92	180.747	180.778	0.031
31	93	180.708	180.755	0.047
31	94	180.712	180.752	0.040
31	95	181.511	180.814	-0.697
51	86	180.721	180.748	0.027
51	87	180.787	180.849	0.062
51	88	180.738	180.808	0.070
51	89	180.758	180.811	0.053
51	90	180.689	180.775	0.086
Max		181.511	180.855	0.115
Average		180.734	180.772	0.038
Min		180.635	180.219	-0.697
Std Dev		0.119	0.087	0.133



13.24_Sync1_Fall_Delay_3V							
krad	0	20	21	30	31	50	51
LL	165.000	165.000	165.000	165.000	165.000	165.000	165.000
Min	180.749	180.785	180.729	180.759	180.752	180.219	180.748
Average	180.784	180.801	180.758	180.786	180.784	180.756	180.798
Max	180.828	180.830	180.810	180.825	180.819	180.855	180.849
UL	185.000	185.000	185.000	185.000	185.000	185.000	185.000

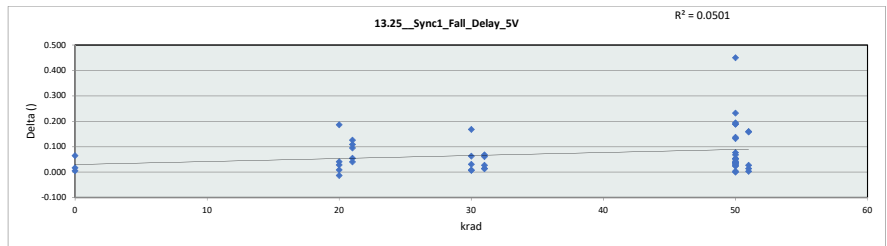


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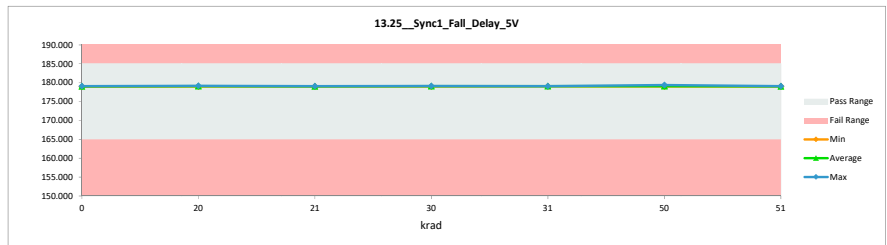
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13.25_Sync1_Fall_Delay_5V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	179.096	179.101	0.005
0	52	178.893	178.958	0.065
0	53	179.017	179.034	0.017
20	81	179.056	179.084	0.028
20	82	179.004	179.013	0.009
20	83	179.066	179.107	0.041
20	84	178.973	179.159	0.186
20	85	179.085	179.072	-0.013
30	76	179.121	179.152	0.031
30	77	179.097	179.105	0.008
30	78	179.000	179.007	0.007
30	79	178.878	179.046	0.168
30	80	179.054	179.117	0.063
50	54	178.958	179.026	0.068
50	55	179.130	179.161	0.031
50	56	179.044	179.097	0.053
50	57	179.039	179.092	0.053
50	58	178.999	179.024	0.025
50	59	179.060	179.098	0.038
50	60	178.872	179.066	0.194
50	61	178.867	179.056	0.189
50	62	179.023	179.023	0.000
50	63	178.827	179.016	0.189
50	64	179.123	179.161	0.038
50	65	178.972	179.025	0.053
50	66	178.885	179.022	0.137
50	67	179.075	179.099	0.024
50	68	178.957	179.010	0.053
50	69	179.027	179.104	0.077
50	70	179.018	179.052	0.034
50	71	178.854	179.086	0.232
50	72	179.030	179.034	0.004
50	73	178.947	179.397	0.450
50	74	179.040	179.083	0.043
50	75	178.935	179.067	0.132
21	96	179.041	179.081	0.040
21	97	178.944	179.070	0.126
21	98	178.954	179.009	0.055
21	99	178.915	179.024	0.109
21	100	178.998	179.093	0.095
31	91	179.016	179.084	0.068
31	92	179.004	179.065	0.061
31	93	179.049	179.076	0.027
31	94	179.049	179.063	0.014
31	95	179.089	179.103	0.014
51	86	179.067	179.070	0.003
51	87	179.058	179.072	0.014
51	88	178.909	179.069	0.160
51	89	178.943	179.101	0.158
51	90	179.000	179.027	0.027
Max		179.130	179.397	0.450
Average		179.001	179.075	0.074
Min		178.827	178.958	-0.013
Std Dev		0.076	0.064	0.083



13.25_Sync1_Fall_Delay_5V							
krad	0	20	21	30	31	50	51
LL	165.000	165.000	165.000	165.000	165.000	165.000	165.000
Min	178.958	179.013	179.009	179.007	179.063	179.010	179.027
Average	179.031	179.087	179.055	179.085	179.078	179.082	179.068
Max	179.101	179.159	179.093	179.152	179.103	179.397	179.101
UL	185.000	185.000	185.000	185.000	185.000	185.000	185.000

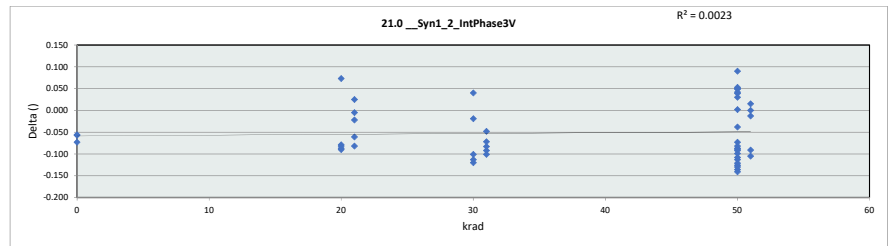


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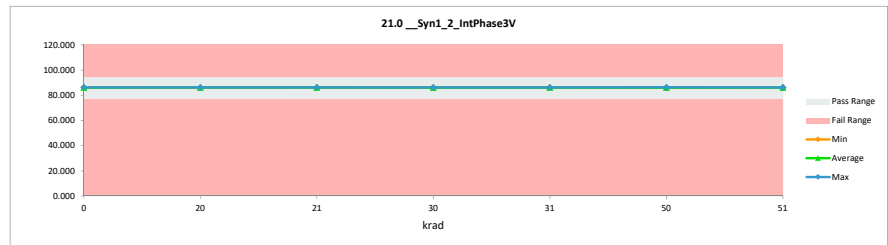
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21.0_Syn1_2_IntPhase3V				
Test Site	Junkins - Dallas		Junkins - Dallas	
Tester	FEST36408		FEST36412	
Test Number	EB545302		EB545302	
Unit				
Max Limit	94		94	
Min Limit	77		77	
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	86.375	86.318	-0.057
0	52	86.174	86.118	-0.056
0	53	86.264	86.191	-0.073
20	81	86.292	86.210	-0.082
20	82	86.260	86.173	-0.087
20	83	86.261	86.182	-0.079
20	84	86.235	86.308	0.073
20	85	86.280	86.190	-0.090
30	76	86.197	86.237	0.040
30	77	86.304	86.203	-0.101
30	78	86.297	86.177	-0.120
30	79	86.123	86.104	-0.019
30	80	86.327	86.214	-0.113
50	54	86.160	86.122	-0.038
50	55	86.265	86.304	0.039
50	56	86.163	86.213	0.050
50	57	86.288	86.167	-0.121
50	58	86.279	86.180	-0.099
50	59	86.270	86.197	-0.073
50	60	86.063	86.112	0.049
50	61	86.136	86.189	0.053
50	62	86.188	86.062	-0.126
50	63	86.044	86.086	0.042
50	64	86.403	86.321	-0.082
50	65	86.165	86.035	-0.130
50	66	86.087	85.995	-0.092
50	67	86.180	86.210	0.030
50	68	86.180	86.044	-0.136
50	69	86.304	86.191	-0.113
50	70	86.163	86.076	-0.087
50	71	86.109	86.199	0.090
50	72	86.279	86.138	-0.141
50	73	86.160	86.071	-0.089
50	74	86.341	86.233	-0.108
50	75	86.169	86.171	0.002
21	96	86.330	86.269	-0.061
21	97	86.255	86.280	0.025
21	98	86.290	86.208	-0.082
21	99	86.230	86.225	-0.005
21	100	86.278	86.256	-0.022
31	91	86.252	86.151	-0.101
31	92	86.252	86.160	-0.092
31	93	86.298	86.250	-0.048
31	94	86.283	86.200	-0.083
31	95	86.337	86.265	-0.072
51	86	86.348	86.243	-0.105
51	87	86.273	86.182	-0.091
51	88	86.197	86.197	0.000
51	89	86.165	86.180	0.015
51	90	86.123	86.110	-0.013
Max		86.403	86.321	0.090
Average		86.234	86.182	-0.052
Min		86.044	85.995	-0.141
Std Dev		0.082	0.074	0.063



21.0_Syn1_2_IntPhase3V							
Test Site	Junkins - Dallas						
Tester	FEST36408						
Test Number	EB545302						
Max Limit	94						
Min Limit	77						
krad	0	20	21	30	31	50	51
LL	77.000	77.000	77.000	77.000	77.000	77.000	77.000
Min	86.118	86.173	86.208	86.104	86.151	85.995	86.110
Average	86.209	86.213	86.248	86.187	86.205	86.151	86.182
Max	86.318	86.308	86.280	86.237	86.265	86.321	86.243
UL	94.000	94.000	94.000	94.000	94.000	94.000	94.000

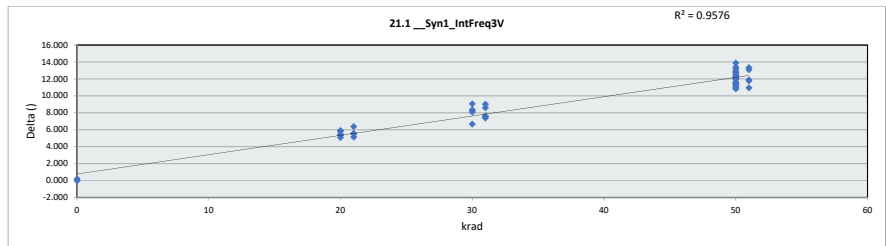


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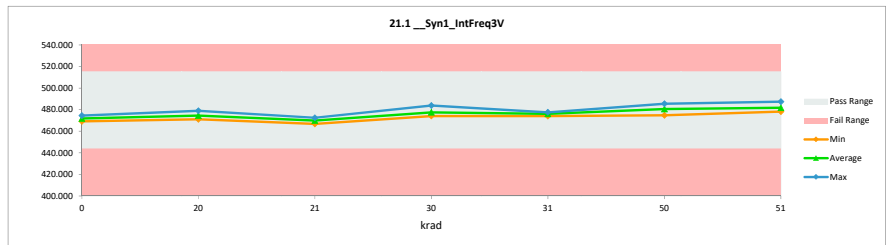
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21.1_Syn1_IntFreq3V				
Test Site	Junkins - Dallas		Junkins - Dallas	
Tester	FEST36408		FEST36412	
Test Number	EB545302		EB545302	
Unit				
Max Limit	515		515	
Min Limit	444		444	
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	469.191	469.181	-0.010
0	52	474.379	474.581	0.202
0	53	471.869	471.941	0.072
20	81	468.794	474.264	5.470
20	82	473.189	479.034	5.845
20	83	470.591	475.925	5.334
20	84	467.367	472.440	5.073
20	85	465.260	471.175	5.915
30	76	467.548	474.210	6.662
30	77	470.151	478.362	8.211
30	78	466.528	475.585	9.057
30	79	475.548	483.915	8.367
30	80	467.827	475.900	8.073
50	54	470.248	483.129	12.881
50	55	467.845	479.270	11.425
50	56	464.956	477.357	12.401
50	57	469.823	481.971	12.148
50	58	466.784	478.047	11.263
50	59	471.150	482.810	11.660
50	60	465.873	478.038	12.165
50	61	471.733	483.268	11.535
50	62	465.680	477.076	11.396
50	63	470.991	481.818	10.827
50	64	465.055	478.446	13.391
50	65	471.886	484.595	12.709
50	66	470.804	481.863	11.059
50	67	463.924	476.023	12.099
50	68	473.557	485.557	12.000
50	69	470.906	483.124	12.218
50	70	467.668	480.469	12.801
50	71	470.501	481.431	10.930
50	72	461.730	474.888	13.158
50	73	470.620	484.496	13.876
50	74	466.220	478.670	12.450
50	75	469.768	481.789	12.021
21	96	466.888	472.435	5.547
21	97	466.983	472.530	5.547
21	98	461.743	466.869	5.126
21	99	461.790	468.176	6.386
21	100	464.058	469.566	5.508
31	91	468.401	475.992	7.591
31	92	470.224	477.613	7.389
31	93	465.073	474.100	9.027
31	94	467.862	476.455	8.593
31	95	469.074	476.684	7.610
51	86	467.062	478.836	11.774
51	87	474.275	487.361	13.086
51	88	470.547	482.436	11.889
51	89	468.753	482.076	13.323
51	90	467.312	478.256	10.944
Max		475.548	487.361	13.876
Average		468.520	477.801	9.280
Min		461.730	466.869	-0.010
Std Dev		3.246	4.786	3.639



21.1_Syn1_IntFreq3V							
Test Site	Junkins - Dallas						
Tester	FEST36408						
Test Number	EB545302						
Max Limit	515						
Min Limit	444						
krad	0	20	21	30	31	50	51
LL	444.000	444.000	444.000	444.000	444.000	444.000	444.000
Min	469.181	471.175	466.869	474.210	474.100	474.888	478.256
Average	471.901	474.568	469.915	477.594	476.169	480.643	481.793
Max	474.581	479.034	472.530	483.915	477.613	485.557	487.361
UL	515.000	515.000	515.000	515.000	515.000	515.000	515.000

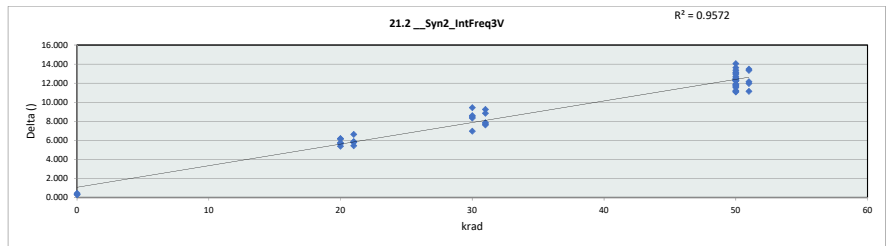


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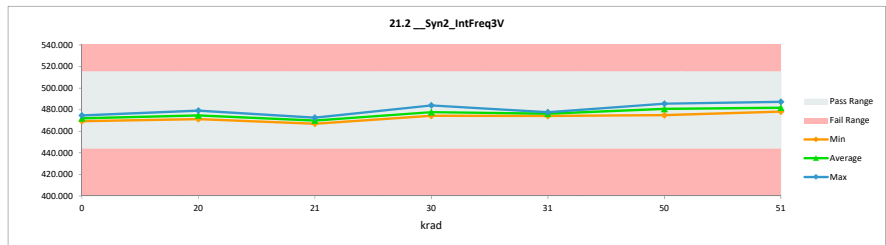
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21.2_Syn2_IntFreq3V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	468.983	469.279	0.296
0	52	474.204	474.648	0.444
0	53	471.589	471.927	0.338
20	81	468.595	474.349	5.754
20	82	472.971	479.105	6.134
20	83	470.351	475.991	5.640
20	84	467.102	472.480	5.378
20	85	465.040	471.230	6.190
30	76	467.314	474.284	6.970
30	77	469.970	478.429	8.459
30	78	466.250	475.680	9.430
30	79	475.376	483.961	8.585
30	80	467.617	475.954	8.337
50	54	470.024	483.157	13.133
50	55	467.635	479.342	11.707
50	56	464.781	477.042	12.261
50	57	469.580	482.019	12.439
50	58	466.556	478.099	11.543
50	59	470.929	482.833	11.904
50	60	465.665	478.086	12.421
50	61	471.483	483.315	11.832
50	62	465.438	477.128	11.690
50	63	470.780	481.857	11.077
50	64	464.818	478.447	13.629
50	65	471.696	484.636	12.940
50	66	470.614	481.819	11.205
50	67	463.746	476.034	12.288
50	68	473.309	485.576	12.267
50	69	470.631	483.161	12.530
50	70	467.447	480.508	13.061
50	71	470.275	481.408	11.133
50	72	461.529	474.892	13.363
50	73	470.398	484.447	14.049
50	74	465.999	478.701	12.702
50	75	469.569	481.808	12.239
21	96	466.684	472.486	5.802
21	97	466.763	472.642	5.879
21	98	461.497	466.937	5.440
21	99	461.568	468.197	6.629
21	100	463.836	469.638	5.802
31	91	468.178	476.035	7.857
31	92	470.026	477.636	7.610
31	93	464.871	474.117	9.246
31	94	467.666	476.502	8.836
31	95	469.006	476.719	7.713
51	86	466.884	478.856	11.972
51	87	474.010	487.350	13.340
51	88	470.301	482.456	12.155
51	89	468.550	482.020	13.470
51	90	467.087	478.231	11.144
Max		475.376	487.350	14.049
Average		468.304	477.829	9.525
Min		461.497	466.937	0.296
Std Dev		3.245	4.770	3.616



21.2_Syn2_IntFreq3V							
krad	0	20	21	30	31	50	51
LL	444.000	444.000	444.000	444.000	444.000	444.000	444.000
Min	469.279	471.230	466.937	474.284	474.117	474.892	478.231
Average	471.951	474.631	469.980	477.662	476.202	480.651	481.783
Max	474.648	479.105	472.642	483.961	477.636	485.576	487.350
UL	515.000	515.000	515.000	515.000	515.000	515.000	515.000

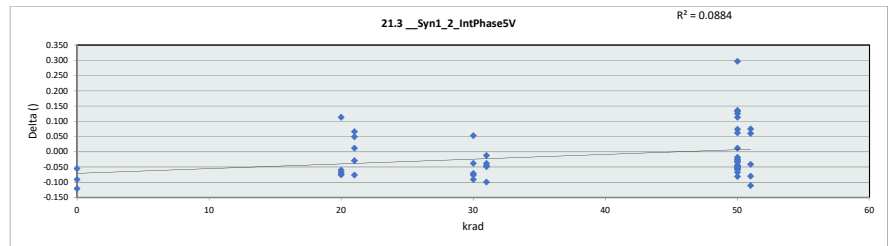


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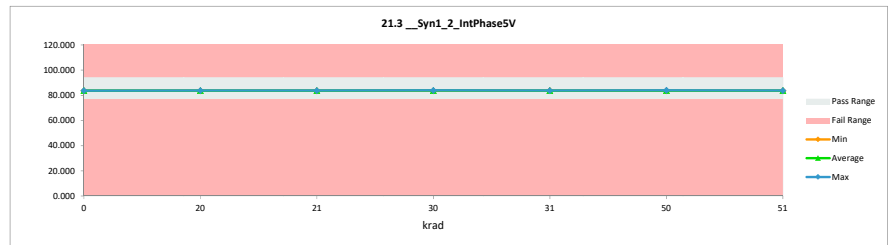
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21.3_Syn1_2_IntPhaseSV				
Test Site	Junkins - Dallas		Junkins - Dallas	
Tester	FEST36408		FEST36412	
Test Number	EB545302		EB545302	
Unit				
Max Limit	94		94	
Min Limit	77		77	
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	83.840	83.719	-0.121
0	52	83.636	83.581	-0.055
0	53	83.764	83.673	-0.091
20	81	83.794	83.734	-0.060
20	82	83.680	83.606	-0.074
20	83	83.767	83.700	-0.067
20	84	83.611	83.724	0.113
20	85	83.771	83.696	-0.075
30	76	83.935	83.859	-0.076
30	77	83.811	83.773	-0.038
30	78	83.684	83.613	-0.071
30	79	83.643	83.696	0.053
30	80	83.809	83.718	-0.091
50	54	83.671	83.683	0.012
50	55	83.869	83.836	-0.033
50	56	83.791	83.743	-0.048
50	57	83.757	83.676	-0.081
50	58	83.741	83.723	-0.018
50	59	83.747	83.714	-0.033
50	60	83.579	83.712	0.133
50	61	83.609	83.734	0.125
50	62	83.717	83.671	-0.046
50	63	83.540	83.653	0.113
50	64	83.903	83.877	-0.026
50	65	83.707	83.663	-0.044
50	66	83.576	83.638	0.062
50	67	83.830	83.778	-0.052
50	68	83.735	83.680	-0.055
50	69	83.765	83.738	-0.027
50	70	83.747	83.680	-0.067
50	71	83.556	83.692	0.136
50	72	83.840	83.815	-0.025
50	73	83.647	83.944	0.297
50	74	83.788	83.729	-0.059
50	75	83.717	83.791	0.074
21	96	83.761	83.732	-0.029
21	97	83.677	83.726	0.049
21	98	83.708	83.632	-0.076
21	99	83.602	83.668	0.066
21	100	83.711	83.723	0.012
31	91	83.730	83.685	-0.045
31	92	83.753	83.715	-0.038
31	93	83.753	83.704	-0.049
31	94	83.779	83.680	-0.099
31	95	83.765	83.753	-0.012
51	86	83.838	83.727	-0.111
51	87	83.763	83.722	-0.041
51	88	83.656	83.731	0.075
51	89	83.640	83.700	0.060
51	90	83.708	83.628	-0.080
	Max	83.935	83.944	0.297
	Average	83.728	83.716	-0.013
	Min	83.540	83.581	-0.121
	Std Dev	0.088	0.068	0.082



21.3_Syn1_2_IntPhaseSV							
Test Site	Junkins - Dallas						
Tester	FEST36408						
Test Number	EB545302						
Max Limit	94						
Min Limit	77						
krad	0	20	21	30	31	50	51
LL	77.000	77.000	77.000	77.000	77.000	77.000	77.000
Min	83.581	83.606	83.632	83.613	83.600	83.638	83.628
Average	83.658	83.692	83.696	83.732	83.707	83.735	83.702
Max	83.719	83.734	83.732	83.859	83.753	83.944	83.731
UL	94.000	94.000	94.000	94.000	94.000	94.000	94.000



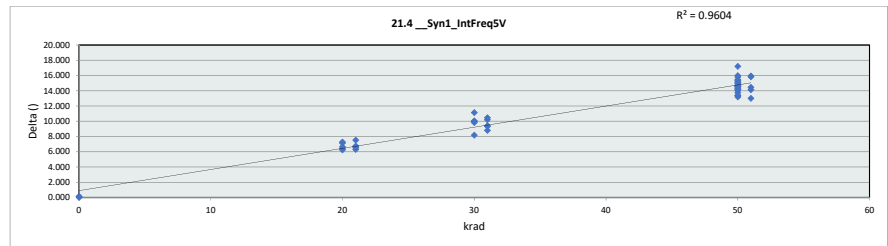


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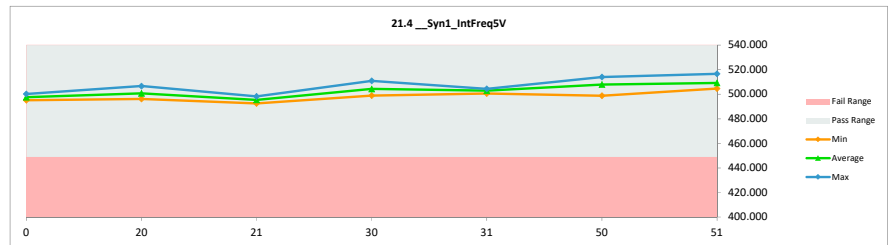
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21.4_Syn1_IntFreq5V				
Test Site	Junkins - Dallas		Junkins - Dallas	
Tester	FEST36408		FEST36412	
Test Number	EB545302		EB545302	
Unit				
Max Limit				
Min Limit	449	449		
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	495.021	495.037	0.016
0	52	500.008	500.156	0.148
0	53	497.285	497.416	0.131
20	81	493.323	499.961	6.638
20	82	499.300	506.579	7.279
20	83	495.534	501.905	6.371
20	84	492.567	498.818	6.251
20	85	488.967	496.107	7.140
30	76	490.614	498.798	8.184
30	77	494.837	504.673	9.836
30	78	492.643	503.770	11.127
30	79	500.839	510.843	10.004
30	80	493.088	503.140	10.052
50	54	494.514	510.331	15.817
50	55	492.302	506.480	14.178
50	56	488.963	503.682	14.719
50	57	495.875	511.015	15.140
50	58	491.691	505.442	13.751
50	59	496.092	510.347	14.255
50	60	489.797	504.355	14.558
50	61	497.303	511.661	14.358
50	62	490.026	504.069	14.043
50	63	495.132	508.536	13.404
50	64	488.921	504.900	15.979
50	65	496.272	511.556	15.284
50	66	494.815	508.009	13.194
50	67	487.711	502.439	14.728
50	68	498.285	512.806	14.521
50	69	495.988	511.003	15.015
50	70	493.050	508.505	15.455
50	71	495.911	509.271	13.360
50	72	483.295	498.691	15.396
50	73	496.746	513.945	17.199
50	74	491.452	506.460	15.008
50	75	494.114	508.707	14.593
21	96	491.276	497.915	6.639
21	97	491.492	498.252	6.760
21	98	486.113	492.416	6.303
21	99	486.479	493.999	7.520
21	100	487.874	494.415	6.541
31	91	494.121	503.470	9.349
31	92	495.245	504.049	8.804
31	93	490.033	500.495	10.462
31	94	491.586	501.782	10.196
31	95	494.881	504.276	9.395
51	86	491.378	505.827	14.449
51	87	500.723	516.562	15.839
51	88	494.999	509.145	14.146
51	89	493.520	509.459	15.939
51	90	491.581	504.575	12.994
Max		500.839	516.562	17.199
Average		493.272	504.521	11.249
Min		483.295	492.416	0.016
Std Dev		3.802	5.663	4.417



21.4_Syn1_IntFreq5V							
Test Site	Junkins - Dallas						
Tester	FEST36408						
Test Number	EB545302						
Max Limit							
Min Limit	449						
krad	0	20	21	30	31	50	51
LL	449.000	449.000	449.000	449.000	449.000	449.000	449.000
Min	495.037	496.107	492.416	498.798	500.495	498.691	504.575
Average	497.536	500.674	495.399	504.245	502.814	507.828	509.114
Max	500.156	506.579	498.252	510.843	504.276	513.945	516.562
UL							

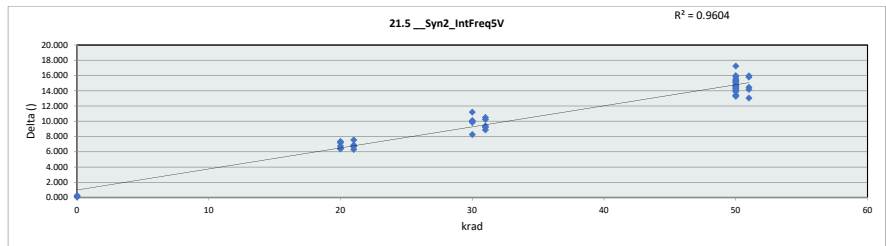


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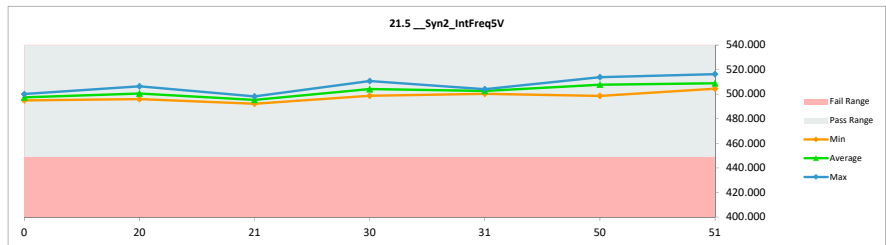
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21.5_Syn2_IntFreq5V				
Test Site	Junkins - Dallas		Junkins - Dallas	
Tester	FEST36408		FEST36412	
Test Number	EB545302		EB545302	
Unit				
Max Limit				
Min Limit	449	449		
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	494.853	494.920	0.067
0	52	499.817	500.095	0.278
0	53	497.135	497.289	0.154
20	81	493.130	499.885	6.755
20	82	499.082	506.444	7.362
20	83	495.370	501.837	6.467
20	84	492.382	498.766	6.384
20	85	488.865	496.027	7.162
30	76	490.449	498.712	8.263
30	77	494.688	504.544	9.856
30	78	492.446	503.649	11.203
30	79	500.691	510.746	10.055
30	80	492.941	503.037	10.096
50	54	494.334	510.152	15.818
50	55	492.158	506.301	14.143
50	56	488.767	503.445	14.678
50	57	495.709	510.890	15.181
50	58	491.514	505.391	13.877
50	59	495.930	510.203	14.273
50	60	489.684	504.204	14.520
50	61	497.172	511.535	14.363
50	62	489.852	503.914	14.062
50	63	494.968	508.400	13.432
50	64	488.780	504.765	15.985
50	65	496.082	511.422	15.340
50	66	494.637	507.917	13.280
50	67	487.502	502.332	14.830
50	68	498.106	512.676	14.570
50	69	495.817	510.910	15.093
50	70	492.868	508.382	15.514
50	71	495.728	509.140	13.412
50	72	483.138	498.559	15.421
50	73	496.545	513.782	17.237
50	74	491.272	506.365	15.093
50	75	493.955	508.519	14.564
21	96	491.088	497.805	6.717
21	97	491.313	498.186	6.873
21	98	485.955	492.259	6.304
21	99	486.321	493.878	7.557
21	100	487.653	494.403	6.750
31	91	493.959	503.327	9.368
31	92	495.062	503.924	8.862
31	93	489.837	500.334	10.497
31	94	491.401	501.630	10.229
31	95	494.841	504.071	9.230
51	86	491.207	505.660	14.453
51	87	500.526	516.325	15.799
51	88	494.786	508.962	14.176
51	89	493.349	509.308	15.959
51	90	491.391	504.434	13.043
Max	500.691	516.325	17.237	
Average	493.101	504.393	11.292	
Min	483.138	492.259	0.067	
Std Dev	3.801	5.645	4.398	



21.5_Syn2_IntFreq5V							
Test Site	Junkins - Dallas						
Tester	FEST36408						
Test Number	EB545302						
Max Limit							
Min Limit	449						
krad	0	20	21	30	31	50	51
LL	449.000	449.000	449.000	449.000	449.000	449.000	449.000
Min	494.920	496.027	492.259	498.712	500.334	498.559	504.434
Average	497.435	500.592	495.306	504.138	502.657	507.691	508.938
Max	500.095	506.444	498.186	510.746	504.071	513.782	516.325
UL							

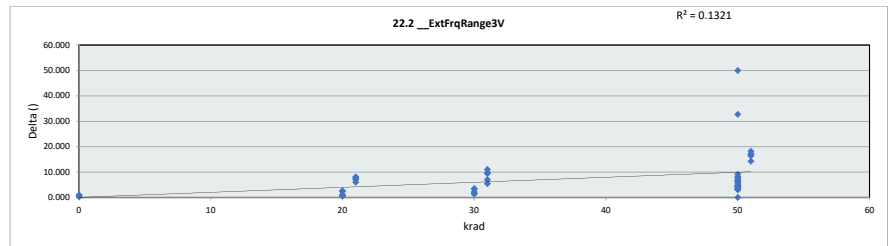


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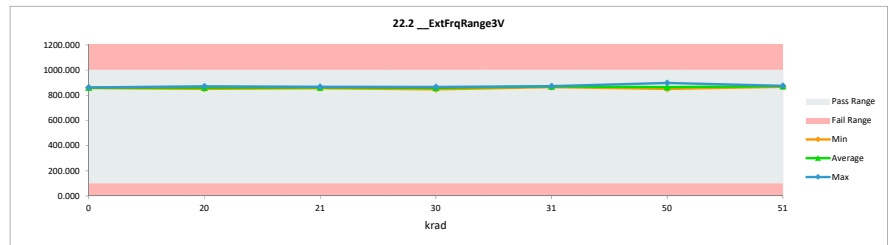
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22.2_ExtFrqRange3V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	860.888	861.685	0.797
0	52	861.917	862.925	1.008
0	53	857.024	857.330	0.306
20	81	852.013	854.642	2.629
20	82	869.943	871.090	1.147
20	83	858.977	861.425	2.448
20	84	862.018	862.673	0.655
20	85	850.294	850.926	0.632
30	76	843.581	846.974	3.393
30	77	852.426	853.823	1.397
30	78	864.245	865.936	1.691
30	79	859.578	861.763	2.185
30	80	859.288	862.801	3.513
50	54	861.963	871.070	9.107
50	55	856.448	864.305	7.857
50	56	850.587	857.276	6.689
50	57	866.220	874.226	8.006
50	58	856.633	860.990	4.357
50	59	856.727	861.371	4.644
50	60	852.324	856.925	4.601
50	61	862.435	865.805	3.370
50	62	859.841	865.574	5.733
50	63	855.283	861.533	6.250
50	64	853.588	860.697	7.109
50	65	856.082	864.175	8.093
50	66	857.095	860.362	3.267
50	67	846.640	853.264	6.624
50	68	852.966	856.840	3.874
50	69	859.291	859.326	0.035
50	70	864.029	868.987	4.958
50	71	856.789	860.941	4.152
50	72	838.722	888.713	49.991
50	73	865.816	898.533	32.717
50	74	858.115	861.225	3.110
50	75	846.925	851.280	4.355
21	96	859.125	867.231	8.106
21	97	858.093	865.372	7.279
21	98	850.028	856.047	6.019
21	99	856.146	864.050	7.904
21	100	854.209	861.365	7.156
31	91	859.723	865.157	5.434
31	92	861.166	870.955	9.789
31	93	861.742	868.808	7.066
31	94	860.799	871.834	11.035
31	95	863.611	873.046	9.435
51	86	855.224	873.421	18.197
51	87	856.107	870.408	14.301
51	88	857.724	874.760	17.036
51	89	857.026	874.190	17.164
51	90	851.110	867.505	16.395
Max		869.943	898.533	49.991
Average		856.971	864.413	7.442
Min		838.722	846.974	0.035
Std Dev		5.886	8.952	8.502



22.2_ExtFrqRange3V							
krad	0	20	21	30	31	50	51
LL	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Min	857.330	850.926	856.047	846.974	865.157	851.280	867.505
Average	860.647	860.151	862.813	858.259	869.960	864.660	872.057
Max	862.925	871.090	867.231	865.936	873.046	898.533	874.760
UL	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000

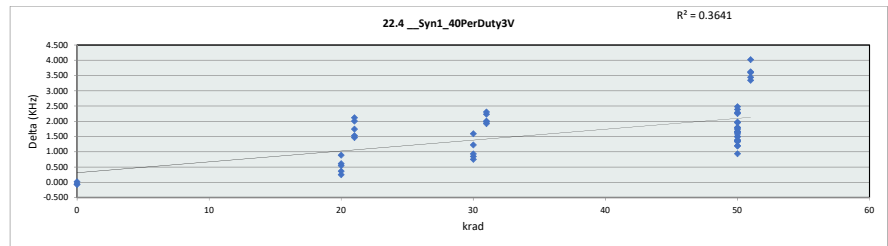


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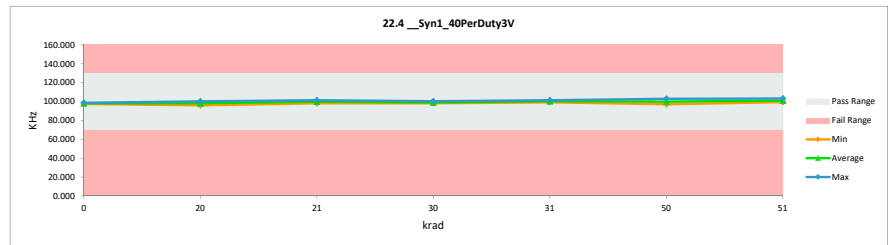
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22.4_Syn1_40PerDuty3V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	97.632	97.561	-0.071
0	52	98.255	98.271	0.016
0	53	98.865	98.805	-0.060
20	81	96.982	97.346	0.364
20	82	99.033	99.580	0.547
20	83	99.387	100.277	0.890
20	84	97.460	98.071	0.611
20	85	95.706	95.954	0.248
30	76	97.760	98.608	0.848
30	77	97.544	98.294	0.750
30	78	97.571	98.502	0.931
30	79	98.869	100.463	1.594
30	80	98.282	99.508	1.226
50	54	100.442	102.241	1.799
50	55	99.464	101.852	2.388
50	56	97.109	99.360	2.251
50	57	98.518	100.491	1.973
50	58	97.280	98.474	1.194
50	59	96.664	97.994	1.330
50	60	97.694	99.051	1.357
50	61	98.398	99.982	1.584
50	62	99.182	100.839	1.657
50	63	98.288	100.031	1.743
50	64	99.262	101.218	1.956
50	65	98.806	101.093	2.287
50	66	96.750	98.127	1.377
50	67	97.335	99.007	1.672
50	68	97.013	98.791	1.778
50	69	97.543	99.044	1.501
50	70	101.323	102.964	1.641
50	71	97.244	98.738	1.494
50	72	97.450	99.927	2.477
50	73	100.059	101.444	1.385
50	74	98.153	99.347	1.194
50	75	96.229	97.163	0.934
21	96	97.273	99.390	2.117
21	97	98.565	100.029	1.464
21	98	96.702	98.233	1.531
21	99	98.609	100.613	2.004
21	100	99.707	101.451	1.744
31	91	98.198	100.206	2.008
31	92	99.193	101.500	2.307
31	93	97.415	99.337	1.922
31	94	99.364	101.343	1.979
31	95	97.341	99.573	2.232
51	86	96.025	100.043	4.018
51	87	95.792	99.414	3.622
51	88	99.883	103.327	3.444
51	89	98.947	102.543	3.596
51	90	96.493	99.836	3.343
Max		101.323	103.327	4.018
Average		98.061	99.705	1.644
Min		95.706	95.954	-0.071
Std Dev		1.237	1.546	0.921



22.4_Syn1_40PerDuty3V							
krad	0	20	21	30	31	50	51
LL	70.000	70.000	70.000	70.000	70.000	70.000	70.000
Min	97.561	95.954	98.233	98.294	99.337	97.163	99.414
Average	98.212	98.246	99.943	99.075	100.392	99.872	101.033
Max	98.805	100.277	101.451	100.463	101.500	102.964	103.327
UL	130.000	130.000	130.000	130.000	130.000	130.000	130.000

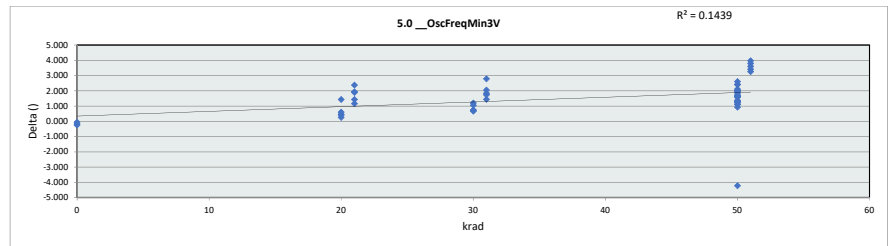


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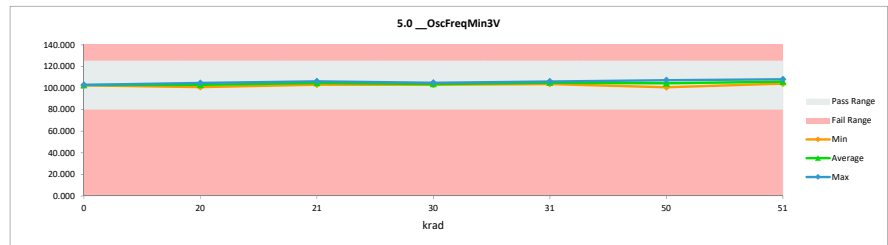
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5.0_OscFreqMin3V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	102.634	102.571	-0.063
0	52	103.174	103.000	-0.174
0	53	103.227	102.980	-0.247
20	81	101.934	102.334	0.400
20	82	102.835	104.266	1.431
20	83	104.317	104.785	0.468
20	84	102.406	103.004	0.598
20	85	100.689	100.942	0.253
30	76	102.774	103.506	0.732
30	77	102.475	103.204	0.729
30	78	102.562	103.229	0.667
30	79	103.805	105.005	1.200
30	80	103.166	104.212	1.046
50	54	104.991	106.986	1.995
50	55	104.315	106.731	2.416
50	56	102.111	104.223	2.112
50	57	102.825	105.432	2.607
50	58	102.276	103.386	1.110
50	59	101.656	102.951	1.295
50	60	102.664	103.897	1.233
50	61	103.273	104.934	1.661
50	62	104.067	105.733	1.666
50	63	103.186	104.806	1.620
50	64	104.192	106.141	1.949
50	65	103.721	105.756	2.035
50	66	101.714	103.018	1.304
50	67	102.317	103.890	1.573
50	68	101.997	103.723	1.726
50	69	102.552	103.668	1.116
50	70	105.526	107.389	1.863
50	71	102.253	103.616	1.363
50	72	102.434	104.835	2.401
50	73	104.979	100.756	-4.223
50	74	102.986	104.284	1.298
50	75	101.240	102.165	0.925
21	96	102.265	104.156	1.891
21	97	103.502	104.654	1.152
21	98	101.699	103.125	1.426
21	99	103.559	105.487	1.928
21	100	103.986	106.355	2.369
31	91	103.081	105.128	2.047
31	92	104.114	105.843	1.729
31	93	102.382	103.824	1.442
31	94	103.421	106.200	2.779
31	95	102.305	104.145	1.840
51	86	101.000	104.787	3.787
51	87	100.783	104.197	3.414
51	88	104.248	108.218	3.970
51	89	103.890	107.492	3.602
51	90	101.504	104.755	3.251
Max		105.526	108.218	3.970
Average		102.900	104.394	1.494
Min		100.689	100.756	-4.223
Std Dev		1.096	1.578	1.268



5.0_OscFreqMin3V							
krad	0	20	21	30	31	50	51
LL	80.000	80.000	80.000	80.000	80.000	80.000	80.000
Min	102.571	100.942	103.125	103.204	103.824	100.756	104.197
Average	102.850	103.066	104.755	103.831	105.028	104.469	105.890
Max	103.000	104.785	106.355	105.005	106.200	107.389	108.218
UL	125.000	125.000	125.000	125.000	125.000	125.000	125.000

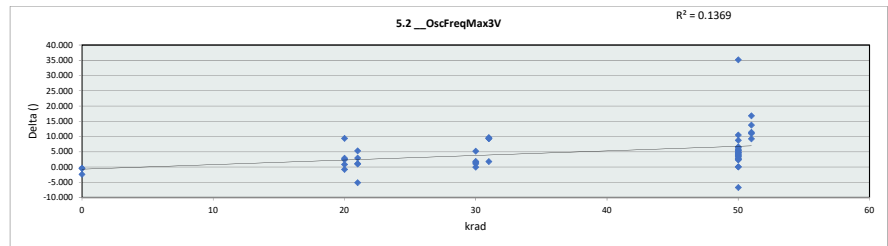


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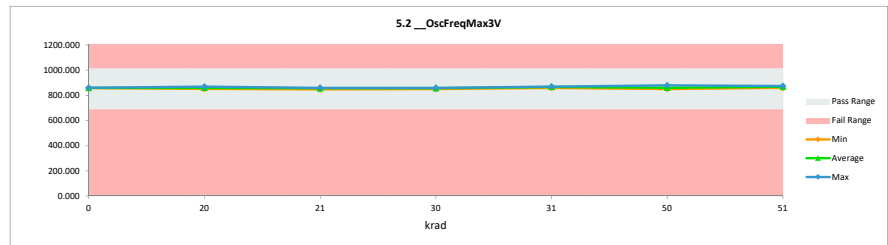
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5.2_OscFreqMax3V				
Test Site	Junkins - Dallas		Junkins - Dallas	
Tester	FEST36408		FEST36412	
Test Number	EB545302		EB545302	
Unit				
Max Limit	1011		1011	
Min Limit	689		689	
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	860.023	859.542	-0.481
0	52	861.928	859.514	-2.414
0	53	858.055	857.719	-0.336
20	81	854.212	856.643	2.431
20	82	859.499	868.884	9.385
20	83	858.709	859.574	0.865
20	84	859.485	862.380	2.895
20	85	852.802	852.029	-0.773
30	76	848.242	850.102	1.860
30	77	853.829	855.322	1.493
30	78	859.567	859.546	-0.021
30	79	854.365	859.569	5.204
30	80	858.478	859.509	1.031
50	54	859.509	870.025	10.516
50	55	856.930	863.546	6.616
50	56	853.478	858.334	4.856
50	57	865.307	870.096	4.789
50	58	855.135	859.570	4.435
50	59	857.547	859.926	2.379
50	60	854.948	857.650	2.702
50	61	859.495	859.542	0.047
50	62	859.830	865.253	5.423
50	63	854.257	859.565	5.308
50	64	852.603	858.912	6.309
50	65	858.393	860.813	2.420
50	66	857.179	850.480	-6.699
50	67	850.036	855.788	5.752
50	68	850.863	854.809	3.946
50	69	854.082	858.079	3.997
50	70	859.518	859.577	0.059
50	71	855.392	859.042	3.650
50	72	843.271	878.413	35.142
50	73	859.514	868.274	8.760
50	74	857.981	860.915	2.934
50	75	849.942	853.339	3.397
21	96	858.577	859.600	1.023
21	97	858.487	859.586	1.099
21	98	852.458	857.749	5.291
21	99	856.596	859.563	2.967
21	100	852.140	847.011	-5.129
31	91	857.735	859.523	1.788
31	92	859.566	868.922	9.356
31	93	859.173	868.503	9.330
31	94	860.003	869.644	9.641
31	95	859.514	868.892	9.378
51	86	857.492	868.875	11.383
51	87	855.312	869.068	13.756
51	88	857.892	868.884	10.992
51	89	857.218	874.025	16.807
51	90	850.311	859.533	9.222
Max		865.307	878.413	35.142
Average		856.338	861.233	4.896
Min		843.271	847.011	-6.699
Std Dev		3.961	6.375	6.337



5.2_OscFreqMax3V							
Test Site	Junkins - Dallas						
Tester	FEST36408						
Test Number	EB545302						
Max Limit	1011						
Min Limit	689						
krad	0	20	21	30	31	50	51
LL	689.000	689.000	689.000	689.000	689.000	689.000	689.000
Min	857.719	852.029	847.011	850.102	859.523	850.480	859.533
Average	858.925	859.902	856.702	856.810	867.097	860.998	868.077
Max	859.542	868.884	859.600	859.569	869.644	878.413	874.025
UL	1011.000	1011.000	1011.000	1011.000	1011.000	1011.000	1011.000

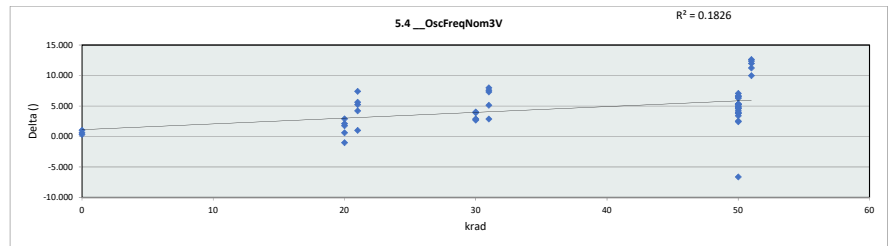


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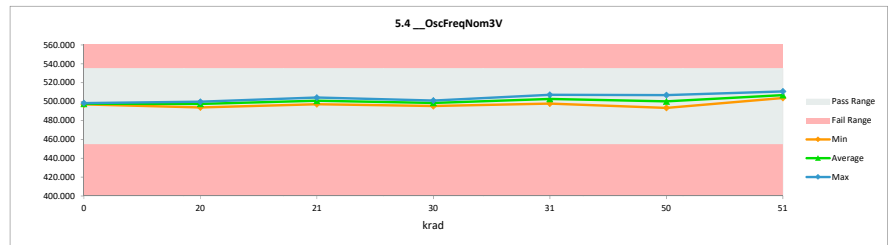
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5.4_OscFreqNom3V				
Test Site	Junkins - Dallas		Junkins - Dallas	
Tester	FEST36408		FEST36412	
Test Number	EB545302		EB545302	
Unit				
Max Limit	535		535	
Min Limit	455		455	
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	495.904	496.936	1.032
0	52	498.029	498.349	0.320
0	53	496.810	497.426	0.616
20	81	494.456	496.235	1.779
20	82	500.785	499.777	-1.008
20	83	499.141	499.767	0.626
20	84	495.265	498.152	2.887
20	85	491.675	493.776	2.101
30	76	492.423	495.257	2.834
30	77	493.849	496.546	2.697
30	78	495.823	499.853	4.030
30	79	497.232	501.127	3.895
30	80	496.754	499.637	2.883
50	54	499.771	506.445	6.674
50	55	498.989	504.177	5.188
50	56	494.095	498.677	4.582
50	57	498.155	504.429	6.274
50	58	494.195	499.538	5.343
50	59	494.970	497.495	2.525
50	60	494.250	499.176	4.926
50	61	498.315	503.060	4.745
50	62	498.325	503.638	5.313
50	63	495.608	499.805	4.197
50	64	495.405	501.922	6.517
50	65	497.271	503.782	6.511
50	66	495.910	499.697	3.787
50	67	493.078	498.393	5.315
50	68	492.951	495.365	2.414
50	69	494.499	499.108	4.609
50	70	499.771	506.833	7.062
50	71	493.756	499.033	5.277
50	72	491.136	494.983	3.847
50	73	499.924	493.303	-6.621
50	74	496.601	499.996	3.395
50	75	490.922	494.844	3.922
21	96	495.559	499.778	4.219
21	97	498.804	499.807	1.003
21	98	491.538	497.168	5.630
21	99	497.788	503.019	5.231
21	100	496.788	504.202	7.414
31	91	495.017	497.879	2.862
31	92	499.167	507.146	7.979
31	93	494.643	499.778	5.135
31	94	498.541	506.138	7.597
31	95	495.611	502.911	7.300
51	86	493.469	506.094	12.625
51	87	493.786	503.762	9.976
51	88	499.536	510.772	11.236
51	89	497.601	509.564	11.963
51	90	491.424	503.781	12.357
Max		500.785	510.772	12.625
Average		495.906	500.567	4.660
Min		490.922	493.303	-6.621
Std Dev		2.607	4.046	3.464



5.4_OscFreqNom3V							
Test Site	Junkins - Dallas						
Tester	FEST36408						
Test Number	EB545302						
Max Limit	535						
Min Limit	455						
krad	0	20	21	30	31	50	51
LL	455.000	455.000	455.000	455.000	455.000	455.000	455.000
Min	496.936	493.776	497.168	495.257	497.879	493.303	503.762
Average	497.570	497.541	500.795	498.484	502.770	500.168	506.795
Max	498.349	499.777	504.202	501.127	507.146	506.833	510.772
UL	535.000	535.000	535.000	535.000	535.000	535.000	535.000

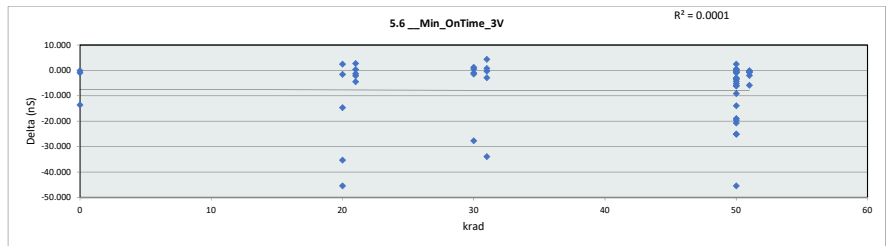


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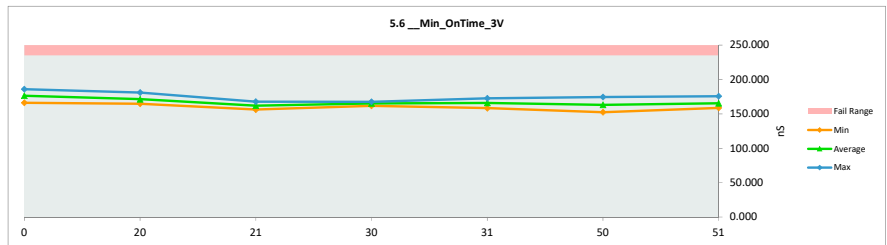
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5.6_Min_OnTime_3V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	177.370	177.284	-0.086
0	52	179.621	166.064	-13.557
0	53	186.703	185.815	-0.888
20	81	182.238	167.627	-14.611
20	82	204.703	169.391	-35.312
20	83	182.444	180.920	-1.524
20	84	219.384	173.971	-45.413
20	85	162.154	164.619	2.465
30	76	189.292	161.653	-27.639
30	77	166.179	167.408	1.229
30	78	167.904	166.899	-1.005
30	79	166.069	164.665	-1.404
30	80	164.547	165.086	0.539
50	54	164.675	158.771	-5.904
50	55	158.468	152.298	-6.170
50	56	186.755	161.705	-25.050
50	57	163.092	160.181	-2.911
50	58	167.302	166.390	-0.912
50	59	163.112	162.889	-0.223
50	60	184.364	163.670	-20.694
50	61	164.821	164.038	-0.783
50	62	165.645	165.197	-0.448
50	63	181.300	172.170	-9.130
50	64	162.574	157.452	-5.122
50	65	219.755	174.354	-45.401
50	66	193.288	168.216	-25.072
50	67	166.205	161.962	-4.243
50	68	159.672	156.167	-3.505
50	69	168.713	169.150	0.437
50	70	183.167	163.620	-19.547
50	71	164.106	160.896	-3.210
50	72	180.715	161.789	-18.926
50	73	161.067	161.527	0.460
50	74	170.462	156.598	-13.864
50	75	164.893	167.379	2.486
21	96	164.919	167.643	2.724
21	97	164.128	164.470	0.342
21	98	158.321	156.185	-2.136
21	99	164.053	159.584	-4.469
21	100	163.240	161.975	-1.265
31	91	161.161	158.279	-2.882
31	92	200.530	166.640	-33.890
31	93	167.141	166.823	-0.318
31	94	163.883	164.677	0.794
31	95	168.176	172.520	4.344
51	86	166.968	166.882	-0.086
51	87	176.353	175.551	-0.802
51	88	162.817	160.850	-1.967
51	89	164.508	158.654	-5.854
51	90	165.107	164.665	-0.442
Max		219.755	185.815	4.344
Average		173.081	165.264	-7.817
Min		158.321	152.298	-45.413
Std Dev		14.595	6.449	12.451



5.6_Min_OnTime_3V							
krad	0	20	21	30	31	50	51
LL	166.064	164.619	156.185	161.653	158.279	152.298	158.654
Min	176.388	171.306	161.971	165.142	165.788	163.019	165.320
Average	185.815	180.920	167.643	167.408	172.520	174.354	175.551
Max	235.000	235.000	235.000	235.000	235.000	235.000	235.000
UL	235.000	235.000	235.000	235.000	235.000	235.000	235.000



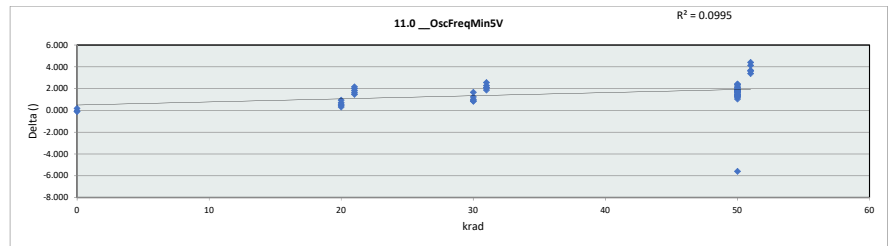


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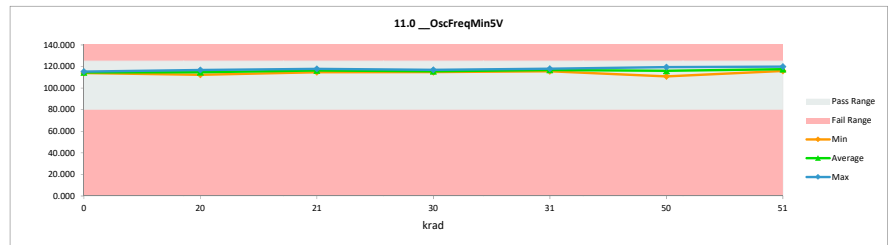
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11.0_OscFreqMin5V				
Test Site	Junkins - Dallas	Junkins - Dallas		
Tester	FEST36408	FEST36412		
Test Number	EB545302	EB545302		
Unit				
Max Limit	125	125		
Min Limit	80	80		
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	114.049	113.952	-0.097
0	52	114.679	114.612	-0.067
0	53	115.116	115.287	0.171
20	81	113.383	113.827	0.444
20	82	115.419	115.975	0.556
20	83	115.802	116.741	0.939
20	84	113.854	114.555	0.701
20	85	112.031	112.335	0.304
30	76	114.158	114.994	0.836
30	77	113.911	114.774	0.863
30	78	113.950	114.963	1.013
30	79	115.316	116.974	1.658
30	80	114.731	115.969	1.238
50	54	116.697	118.635	1.938
50	55	115.840	118.269	2.429
50	56	113.499	115.738	2.239
50	57	114.965	117.001	2.036
50	58	113.701	114.987	1.286
50	59	113.019	114.396	1.377
50	60	114.080	115.400	1.320
50	61	114.764	116.386	1.622
50	62	115.580	117.331	1.751
50	63	114.669	116.491	1.822
50	64	115.599	117.685	2.086
50	65	115.215	117.590	2.375
50	66	113.150	114.611	1.461
50	67	113.708	115.399	1.691
50	68	113.370	115.227	1.857
50	69	113.937	115.454	1.517
50	70	117.725	119.428	1.703
50	71	113.666	115.099	1.433
50	72	113.809	115.597	1.788
50	73	116.438	110.836	-5.602
50	74	114.642	115.852	1.210
50	75	112.623	113.671	1.048
21	96	113.654	115.811	2.157
21	97	114.938	116.406	1.468
21	98	113.028	114.642	1.614
21	99	114.986	116.986	2.000
21	100	116.060	117.864	1.804
31	91	114.614	116.667	2.053
31	92	115.367	117.926	2.559
31	93	113.769	115.635	1.866
31	94	115.652	117.748	2.096
31	95	113.692	115.964	2.272
51	86	112.310	116.445	4.135
51	87	112.209	115.881	3.672
51	88	116.232	119.845	3.613
51	89	114.753	119.155	4.402
51	90	112.910	116.284	3.374
Max		117.725	119.845	4.402
Average		114.425	115.986	1.561
Min		112.031	110.836	-5.602
Std Dev		1.225	1.711	1.413



11.0_OscFreqMin5V							
Test Site	Junkins - Dallas						
Tester	FEST36408						
Test Number	EB545302						
Max Limit	125						
Min Limit	80						
krad	0	20	21	30	31	50	51
LL	80.000	80.000	80.000	80.000	80.000	80.000	80.000
Min	113.952	112.335	114.642	114.774	115.635	110.836	115.881
Average	114.617	114.687	116.342	115.535	116.788	115.958	117.522
Max	115.287	116.741	117.864	116.974	117.926	119.428	119.845
UL	125.000	125.000	125.000	125.000	125.000	125.000	125.000

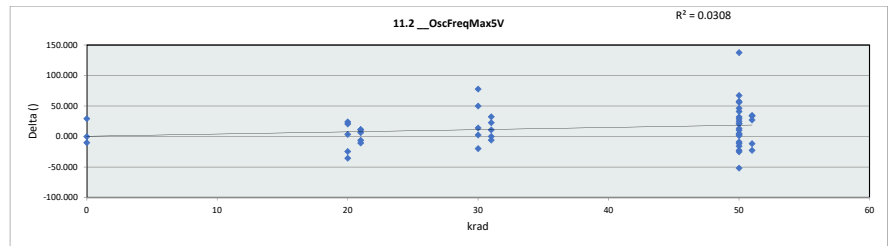


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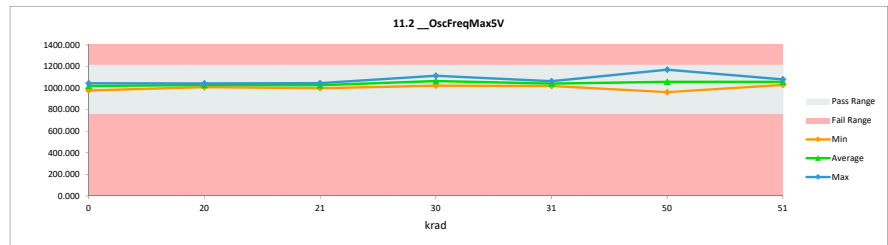
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11.2_OscFreqMax5V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	1008.810	1038.014	29.204
0	52	1044.596	1044.481	-0.115
0	53	988.174	978.202	-9.972
20	81	1062.658	1038.150	-24.508
20	82	1016.074	1019.555	3.481
20	83	988.169	1008.822	20.653
20	84	1019.491	1043.521	24.030
20	85	1066.014	1030.578	-35.436
30	76	1019.491	1022.001	2.510
30	77	1076.824	1057.139	-19.685
30	78	1014.790	1064.876	50.086
30	79	1053.065	1067.134	14.069
30	80	1036.939	1114.689	77.750
50	54	1041.580	1087.936	46.356
50	55	1086.115	1063.370	-22.745
50	56	1054.925	1046.144	-8.781
50	57	1022.677	1063.791	41.114
50	58	1066.887	1087.821	20.934
50	59	1076.088	1060.189	-15.899
50	60	1043.004	1046.890	3.886
50	61	1019.441	1076.894	57.453
50	62	1053.060	1057.928	4.868
50	63	1053.047	1063.317	10.270
50	64	1040.421	1041.741	1.320
50	65	1039.812	1028.353	-11.459
50	66	998.403	1023.325	24.922
50	67	1024.800	1053.845	29.045
50	68	1030.412	1051.779	21.367
50	69	998.388	1030.441	32.053
50	70	1039.802	1053.139	13.337
50	71	1040.396	1096.364	55.968
50	72	1032.589	1170.167	137.578
50	73	1014.394	962.500	-51.894
50	74	1034.385	1101.769	67.384
50	75	1031.316	1006.274	-25.042
21	96	1008.859	998.329	-10.530
21	97	1019.480	1030.524	11.044
21	98	1014.442	1020.852	6.410
21	99	1030.337	1041.690	11.353
21	100	1052.912	1046.693	-6.219
31	91	1042.154	1064.823	22.669
31	92	1030.428	1030.430	0.002
31	93	1008.712	1019.492	10.780
31	94	1057.900	1051.975	-5.925
31	95	1011.762	1044.140	32.378
51	86	1064.831	1053.113	-11.718
51	87	1019.463	1053.069	33.606
51	88	1041.516	1075.991	34.475
51	89	1053.042	1080.243	27.201
51	90	1052.957	1030.295	-22.662
Max		1086.115	1170.167	137.578
Average		1034.917	1048.856	13.939
Min		988.169	962.500	-51.894
Std Dev		22.936	33.913	32.220



11.2_OscFreqMax5V							
krad	0	20	21	30	31	50	51
LL	760.000	760.000	760.000	760.000	760.000	760.000	760.000
Min	978.202	1008.822	998.329	1022.001	1019.492	962.500	1030.295
Average	1020.232	1028.125	1027.618	1065.168	1042.172	1057.908	1058.542
Max	1044.481	1043.521	1046.693	1114.689	1064.823	1170.167	1080.243
UL	1212.000	1212.000	1212.000	1212.000	1212.000	1212.000	1212.000

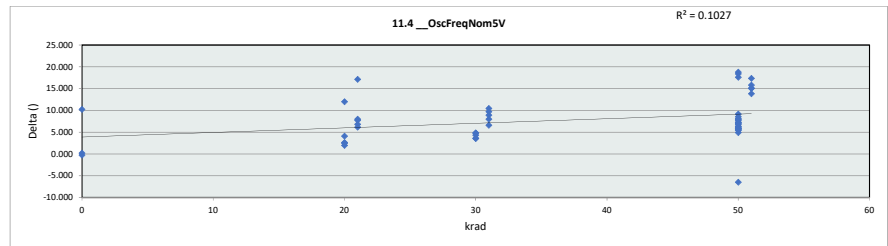


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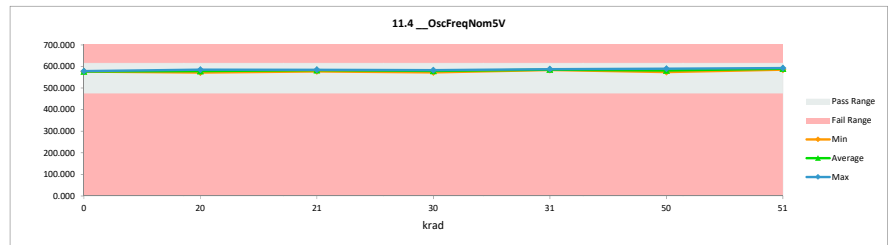
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11.4_OscFreqNomSV				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	577.327	577.043	-0.284
0	52	568.542	578.766	10.224
0	53	576.639	576.838	0.199
20	81	572.833	575.466	2.633
20	82	581.064	585.159	4.095
20	83	569.099	581.071	11.972
20	84	576.485	578.948	2.463
20	85	570.098	572.063	1.965
30	76	569.342	572.895	3.553
30	77	572.925	576.550	3.625
30	78	577.750	582.060	4.310
30	79	578.203	583.028	4.825
30	80	577.418	582.203	4.785
50	54	570.425	589.214	18.789
50	55	577.691	586.215	8.524
50	56	572.839	580.940	8.101
50	57	570.806	589.185	18.379
50	58	575.322	581.099	5.777
50	59	574.074	580.302	6.228
50	60	572.712	578.425	5.713
50	61	578.905	586.089	7.184
50	62	568.419	586.039	17.620
50	63	576.164	581.068	4.904
50	64	575.948	583.220	7.272
50	65	576.602	584.543	7.941
50	66	573.987	579.478	5.491
50	67	571.175	577.990	6.815
50	68	573.088	580.039	6.951
50	69	575.499	581.874	6.375
50	70	582.538	590.217	7.679
50	71	574.973	580.427	5.454
50	72	566.158	575.306	9.148
50	73	581.055	574.585	-6.470
50	74	577.336	583.312	5.976
50	75	569.085	575.029	5.944
21	96	575.384	583.353	7.969
21	97	577.647	583.806	6.159
21	98	570.895	577.707	6.812
21	99	577.321	585.054	7.733
21	100	567.844	584.971	17.127
31	91	576.483	585.366	8.883
31	92	577.643	588.072	10.429
31	93	575.783	583.769	7.986
31	94	577.922	587.644	9.722
31	95	577.961	584.546	6.585
51	86	572.872	590.224	17.352
51	87	572.990	588.081	15.091
51	88	578.025	593.068	15.043
51	89	576.783	592.594	15.811
51	90	571.317	585.132	13.815
Max		582.538	593.068	18.789
Average		574.588	582.401	7.814
Min		566.158	572.063	-6.470
Std Dev		3.773	5.024	5.136



11.4_OscFreqNomSV							
krad	0	20	21	30	31	50	51
LL	475.000	475.000	475.000	475.000	475.000	475.000	475.000
Min	576.838	572.063	577.707	572.895	583.769	574.585	585.132
Average	577.549	578.541	582.978	579.347	585.879	582.027	589.820
Max	578.766	585.159	585.054	583.028	588.072	590.217	593.068
UL	615.000	615.000	615.000	615.000	615.000	615.000	615.000

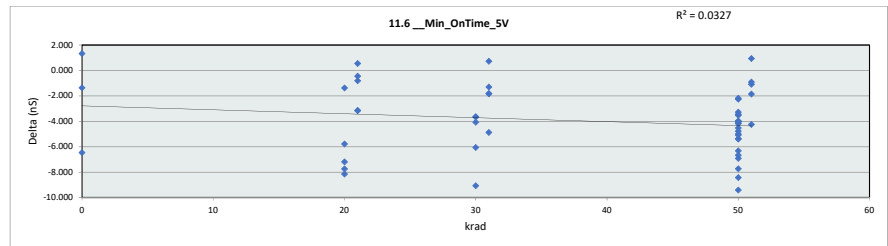


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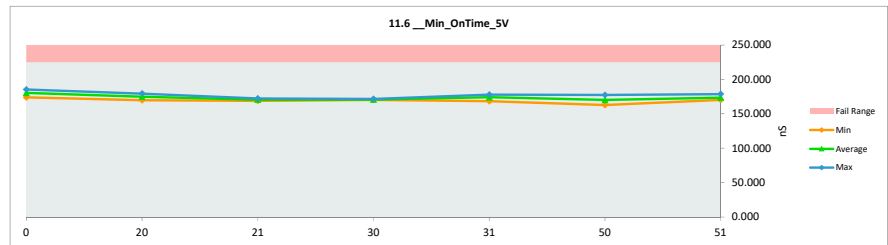
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11.6_Min_OnTime_5V				
krad	Serial #	Pre DS params	Post DS params	Delta
0	51	180.681	182.004	1.323
0	52	175.391	174.021	-1.370
0	53	191.881	185.410	-6.471
20	81	180.996	173.806	-7.190
20	82	181.211	173.456	-7.755
20	83	180.854	179.480	-1.374
20	84	186.033	177.880	-8.153
20	85	175.628	169.840	-5.788
30	76	179.703	170.627	-9.076
30	77	175.237	171.587	-3.650
30	78	174.248	170.592	-3.656
30	79	174.581	170.512	-4.069
30	80	176.460	170.401	-6.059
50	54	171.266	167.139	-4.127
50	55	168.243	162.852	-5.391
50	56	178.533	169.117	-9.416
50	57	172.824	168.633	-4.191
50	58	181.088	174.173	-6.915
50	59	173.962	169.185	-4.777
50	60	178.390	172.065	-6.325
50	61	174.088	170.100	-3.988
50	62	174.572	172.306	-2.266
50	63	180.734	177.449	-3.285
50	64	171.546	166.177	-5.369
50	65	184.189	177.527	-6.662
50	66	180.412	171.985	-8.427
50	67	173.840	169.830	-4.010
50	68	171.873	166.794	-5.079
50	69	176.905	174.724	-2.181
50	70	174.278	170.277	-4.001
50	71	173.275	168.269	-5.006
50	72	173.980	169.452	-4.528
50	73	172.673	169.135	-3.538
50	74	173.087	165.349	-7.738
50	75	174.477	171.030	-3.447
21	96	171.359	170.909	-0.450
21	97	172.226	171.416	-0.810
21	98	172.077	168.924	-3.153
21	99	172.707	169.547	-3.160
21	100	171.856	172.406	0.550
31	91	170.274	168.454	-1.820
31	92	180.176	175.297	-4.879
31	93	177.183	175.347	-1.836
31	94	175.651	174.350	-1.301
31	95	177.218	177.940	0.722
51	86	178.718	174.468	-4.250
51	87	177.819	178.752	0.933
51	88	172.157	170.304	-1.853
51	89	172.046	171.138	-0.908
51	90	174.899	173.807	-1.092
	Max	191.881	185.410	1.323
	Average	176.070	172.125	-3.945
	Min	168.243	162.852	-9.416
	Std Dev	4.457	4.279	2.684



11.6_Min_OnTime_5V							
krad	0	20	21	30	31	50	51
LL	174.021	169.840	168.924	170.401	168.454	162.852	170.304
Average	180.478	174.892	170.640	170.744	174.278	170.162	173.694
Max	185.410	179.480	172.406	171.587	177.940	177.527	178.752
UL	225.000	225.000	225.000	225.000	225.000	225.000	225.000



## **B Appendix: LDR TID Report**

This appendix contains the LDR TID report data.

**Note:**

1. In order to display and differentiate on the same chart the Biased and Unbiased data points, the following technique was used:  
The 20krad, 30krad and 50Krad datapoints for **unbiased** units, were shifted by 1krad to 21krad, 31krad and 51krad.

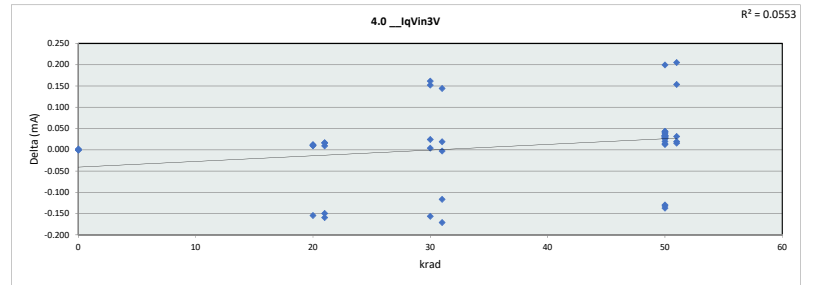
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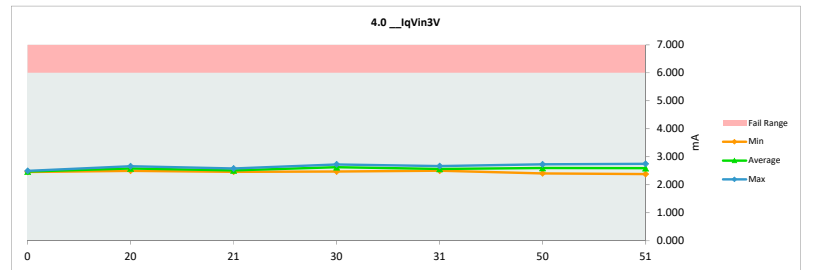
4.0_IqVin3V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	mA	mA
Max Limit	6	6
Min Limit		

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	2.497	2.496	-0.001
0	2	2.470	2.470	0.000
0	3	2.459	2.461	0.002
20	31	2.540	2.549	0.009
20	32	2.596	2.607	0.011
20	33	2.656	2.501	-0.155
20	34	2.653	2.663	0.010
20	35	2.590	2.602	0.012
21	46	2.627	2.468	-0.159
21	47	2.519	2.536	0.017
21	48	2.512	2.528	0.016
21	49	2.577	2.586	0.009
21	50	2.619	2.469	-0.150
30	26	2.675	2.699	0.024
30	27	2.578	2.730	0.152
30	28	2.728	2.571	-0.157
30	29	2.504	2.665	0.161
30	30	2.471	2.475	0.004
31	41	2.646	2.529	-0.117
31	42	2.675	2.504	-0.171
31	43	2.466	2.610	0.144
31	44	2.530	2.527	-0.003
31	45	2.650	2.669	0.019
50	4	2.630	2.498	-0.132
50	5	2.645	2.685	0.040
50	6	2.626	2.658	0.032
50	7	2.688	2.717	0.029
50	8	2.534	2.546	0.012
50	9	2.662	2.682	0.020
50	10	2.684	2.554	-0.130
50	11	2.526	2.553	0.027
50	12	2.641	2.668	0.027
50	13	2.628	2.671	0.043
50	14	2.499	2.698	0.199
50	15	2.406	2.439	0.033
50	16	2.414	2.457	0.043
50	17	2.610	2.637	0.027
50	18	2.701	2.734	0.033
50	19	2.479	2.509	0.030
50	20	2.567	2.607	0.040
50	21	2.647	2.680	0.033
50	22	2.603	2.617	0.014
50	23	2.541	2.573	0.032
50	24	2.658	2.692	0.034
50	25	2.547	2.410	-0.137
51	36	2.570	2.601	0.031
51	37	2.590	2.609	0.019
51	38	2.439	2.644	0.205
51	39	2.598	2.751	0.153
51	40	2.366	2.381	0.015
	Max	2.728	2.751	0.025
	Average	2.575	2.584	0.009
	Min	2.366	2.381	-0.171
	Std Dev	0.086	0.094	0.089



4.0_IqVin3V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	6	mA
Min Limit		mA

krad	0	20	21	30	31	50	51
LL							
Min	2.461	2.501	2.468	2.475	2.504	2.410	2.381
Average	2.476	2.585	2.517	2.628	2.568	2.604	2.597
Max	2.496	2.663	2.586	2.730	2.669	2.734	2.751
UL	6.000	6.000	6.000	6.000	6.000	6.000	6.000



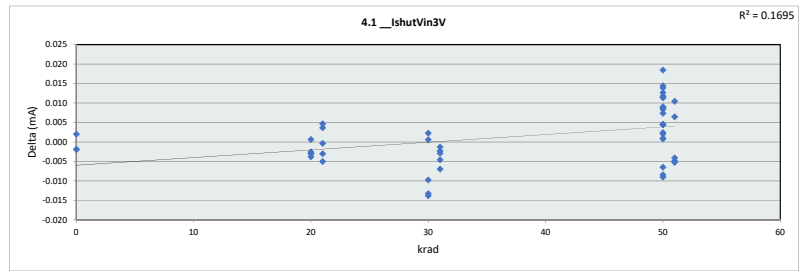
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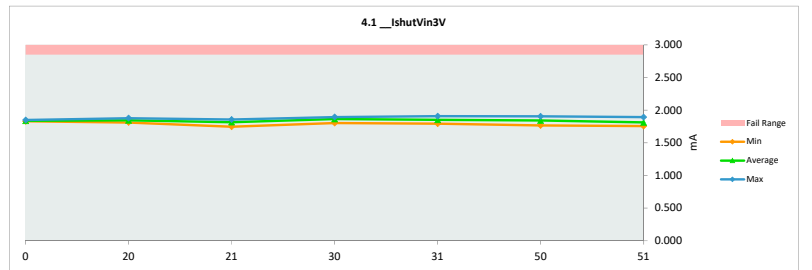
4.1_IshutVin3V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	mA	mA
Max Limit	2.85	2.85
Min Limit		

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	1.852	1.850	-0.002
0	2	1.831	1.829	-0.002
0	3	1.830	1.832	0.002
20	31	1.882	1.878	-0.004
20	32	1.818	1.815	-0.003
20	33	1.871	1.868	-0.003
20	34	1.849	1.850	0.001
20	35	1.815	1.812	-0.003
21	46	1.839	1.839	0.000
21	47	1.744	1.748	0.004
21	48	1.852	1.857	0.005
21	49	1.804	1.799	-0.005
21	50	1.844	1.841	-0.003
30	26	1.877	1.879	0.002
30	27	1.881	1.882	0.001
30	28	1.909	1.896	-0.013
30	29	1.872	1.862	-0.010
30	30	1.817	1.803	-0.014
31	41	1.852	1.845	-0.007
31	42	1.862	1.859	-0.003
31	43	1.798	1.793	-0.005
31	44	1.909	1.908	-0.001
31	45	1.857	1.855	-0.002
50	4	1.838	1.847	0.009
50	5	1.844	1.853	0.009
50	6	1.819	1.823	0.004
50	7	1.889	1.893	0.004
50	8	1.908	1.900	-0.008
50	9	1.852	1.846	-0.006
50	10	1.895	1.906	0.011
50	11	1.897	1.898	0.001
50	12	1.842	1.843	0.001
50	13	1.822	1.836	0.014
50	14	1.858	1.870	0.012
50	15	1.797	1.799	0.002
50	16	1.789	1.807	0.018
50	17	1.818	1.820	0.002
50	18	1.886	1.900	0.014
50	19	1.809	1.821	0.012
50	20	1.784	1.797	0.013
50	21	1.844	1.853	0.009
50	22	1.810	1.801	-0.009
50	23	1.759	1.767	0.008
50	24	1.880	1.887	0.007
50	25	1.772	1.777	0.005
51	36	1.789	1.795	0.006
51	37	1.804	1.799	-0.005
51	38	1.812	1.822	0.010
51	39	1.898	1.894	-0.004
51	40	1.762	1.757	-0.005
	Max	1.909	1.908	0.018
	Average	1.839	1.840	0.001
	Min	1.744	1.748	-0.014
	Std Dev	0.042	0.041	0.007



4.1_IshutVin3V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	2.85	mA
Min Limit		mA

krad	0	20	21	30	31	50	51
LL							
Min	1.829	1.812	1.748	1.803	1.793	1.767	1.757
Average	1.837	1.845	1.817	1.864	1.852	1.843	1.814
Max	1.850	1.878	1.857	1.896	1.908	1.906	1.894
UL	2.850	2.850	2.850	2.850	2.850	2.850	2.850





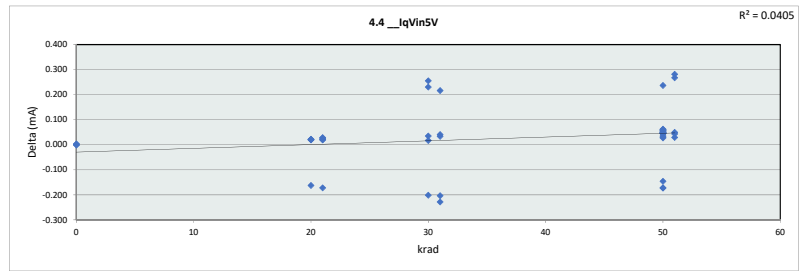
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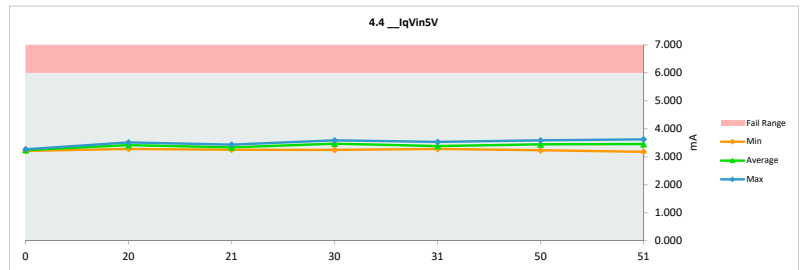
4.4_IqVin5V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	mA	mA
Max Limit	6	
Min Limit		

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	3.271	3.270	-0.001
0	2	3.207	3.208	0.001
0	3	3.250	3.253	0.003
20	31	3.323	3.343	0.020
20	32	3.462	3.482	0.020
20	33	3.444	3.281	-0.163
20	34	3.491	3.512	0.021
20	35	3.435	3.457	0.022
21	46	3.478	3.306	-0.172
21	47	3.355	3.384	0.029
21	48	3.293	3.319	0.026
21	49	3.411	3.431	0.020
21	50	3.230	3.250	0.020
30	26	3.537	3.572	0.035
30	27	3.355	3.585	0.230
30	28	3.573	3.371	-0.202
30	29	3.320	3.576	0.256
30	30	3.229	3.246	0.017
31	41	3.481	3.277	-0.204
31	42	3.528	3.300	-0.228
31	43	3.246	3.462	0.216
31	44	3.311	3.352	0.041
31	45	3.495	3.528	0.033
50	4	3.489	3.316	-0.173
50	5	3.466	3.525	0.059
50	6	3.480	3.529	0.049
50	7	3.524	3.572	0.048
50	8	3.322	3.349	0.027
50	9	3.508	3.543	0.035
50	10	3.531	3.358	-0.173
50	11	3.317	3.362	0.045
50	12	3.476	3.522	0.046
50	13	3.477	3.537	0.060
50	14	3.306	3.543	0.237
50	15	3.224	3.268	0.044
50	16	3.246	3.303	0.057
50	17	3.458	3.504	0.046
50	18	3.537	3.586	0.049
50	19	3.223	3.285	0.062
50	20	3.414	3.472	0.058
50	21	3.486	3.540	0.054
50	22	3.442	3.472	0.030
50	23	3.392	3.439	0.047
50	24	3.493	3.544	0.051
50	25	3.378	3.232	-0.146
51	36	3.423	3.472	0.049
51	37	3.451	3.494	0.043
51	38	3.227	3.509	0.282
51	39	3.354	3.621	0.267
51	40	3.151	3.180	0.029
	Max	3.573	3.621	0.282
	Average	3.390	3.417	0.026
	Min	3.151	3.180	-0.228
	Std Dev	0.112	0.123	0.117



4.4_IqVin5V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	6	mA
Min Limit		mA

krad	0	20	21	30	31	50	51
LL							
Min	3.208	3.281	3.250	3.246	3.277	3.232	3.180
Average	3.244	3.415	3.338	3.470	3.384	3.446	3.455
Max	3.270	3.512	3.431	3.585	3.528	3.586	3.621
UL	6.000	6.000	6.000	6.000	6.000	6.000	6.000



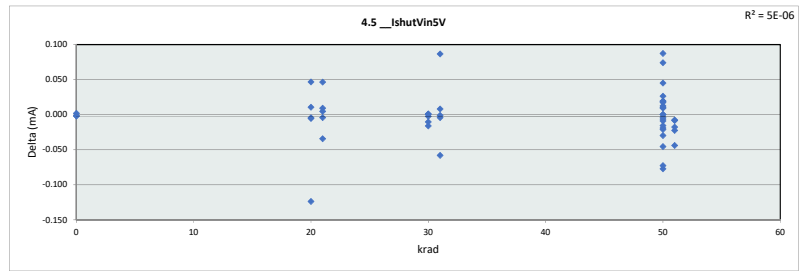
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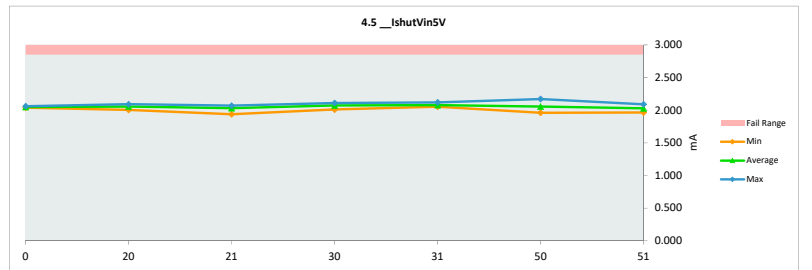
4.5_IshutVin5V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	mA	mA
Max Limit	2.85	2.85
Min Limit		

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	2.062	2.060	-0.002
0	2	2.040	2.038	-0.002
0	3	2.041	2.043	0.002
20	31	2.094	2.089	-0.005
20	32	2.134	2.010	-0.124
20	33	2.069	2.080	0.011
20	34	2.044	2.091	0.047
20	35	2.009	2.004	-0.005
21	46	2.032	2.041	0.009
21	47	1.973	1.939	-0.034
21	48	2.064	2.069	0.005
21	49	2.009	2.055	0.046
21	50	2.053	2.049	-0.004
30	26	2.073	2.074	0.001
30	27	2.095	2.093	-0.002
30	28	2.107	2.108	0.001
30	29	2.085	2.075	-0.010
30	30	2.026	2.010	-0.016
31	41	2.045	2.053	0.008
31	42	2.128	2.070	-0.058
31	43	2.010	2.097	0.087
31	44	2.123	2.119	-0.004
31	45	2.053	2.052	-0.001
50	4	2.134	2.057	-0.077
50	5	2.044	2.118	0.074
50	6	2.036	2.015	-0.021
50	7	2.118	2.088	-0.030
50	8	2.125	2.109	-0.016
50	9	2.108	2.062	-0.046
50	10	2.092	2.118	0.026
50	11	2.115	2.109	-0.006
50	12	2.043	2.060	0.017
50	13	2.015	2.027	0.012
50	14	2.068	2.064	-0.004
50	15	1.998	2.007	0.009
50	16	1.999	2.044	0.045
50	17	2.096	2.023	-0.073
50	18	2.082	2.169	0.087
50	19	2.019	2.038	0.019
50	20	1.979	1.990	0.011
50	21	2.094	2.075	-0.019
50	22	2.003	1.994	-0.009
50	23	1.960	1.960	0.000
50	24	2.081	2.081	0.000
50	25	1.964	1.983	0.019
51	36	2.059	2.015	-0.044
51	37	2.075	2.057	-0.018
51	38	2.024	2.016	-0.008
51	39	2.111	2.088	-0.023
51	40	1.971	1.963	-0.008
	Max	2.134	2.169	0.087
	Average	2.056	2.053	-0.003
	Min	1.960	1.939	-0.124
	Std Dev	0.048	0.046	0.037



4.5_IshutVin5V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	2.85	mA
Min Limit		mA

krad	0	20	21	30	31	50	51
LL							
Min	2.038	2.004	1.939	2.010	2.052	1.960	1.963
Average	2.047	2.055	2.031	2.072	2.078	2.054	2.028
Max	2.060	2.091	2.069	2.108	2.119	2.169	2.088
UL	2.850	2.850	2.850	2.850	2.850	2.850	2.850



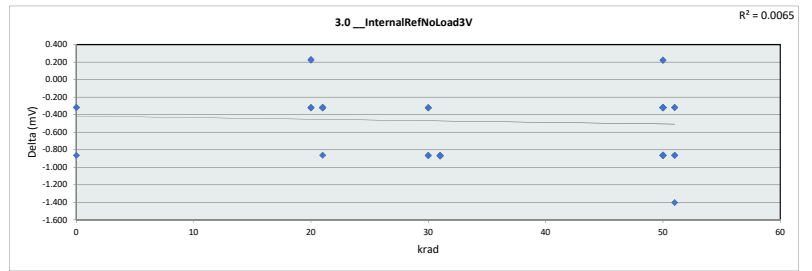
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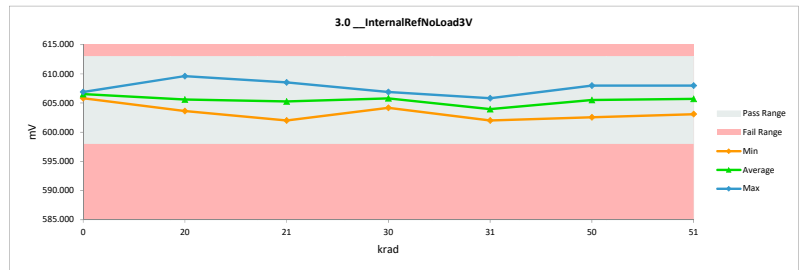
3.0 _InternalRefNoLoad3V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	mV	mV
Max Limit	613	613
Min Limit	598	598

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	606.684	605.819	-0.865
0	2	607.226	606.907	-0.319
0	3	607.226	606.909	-0.317
20	31	609.397	609.625	0.229
20	32	605.056	604.735	-0.321
20	33	604.513	604.735	0.222
20	34	605.598	605.279	-0.319
20	35	603.970	603.649	-0.321
21	46	606.141	605.822	-0.319
21	47	608.854	608.539	-0.315
21	48	606.684	605.822	-0.862
21	49	604.513	604.192	-0.321
21	50	602.343	602.019	-0.324
30	26	605.056	604.188	-0.868
30	27	607.226	606.907	-0.319
30	28	607.226	606.363	-0.863
30	29	606.141	605.819	-0.322
30	30	606.141	605.819	-0.322
31	41	602.885	602.013	-0.872
31	42	605.598	604.732	-0.866
31	43	606.684	605.819	-0.865
31	44	603.428	602.556	-0.872
31	45	605.598	604.732	-0.866
50	4	607.769	607.452	-0.317
50	5	606.141	605.822	-0.319
50	6	606.141	605.822	-0.319
50	7	608.312	607.452	-0.860
50	8	607.226	606.909	-0.317
50	9	604.513	603.649	-0.864
50	10	605.056	604.735	-0.321
50	11	607.769	607.452	-0.317
50	12	602.885	602.562	-0.323
50	13	604.513	604.192	-0.321
50	14	605.598	604.735	-0.863
50	15	605.056	604.735	-0.321
50	16	603.428	603.649	0.221
50	17	606.684	606.365	-0.319
50	18	605.056	604.735	-0.321
50	19	604.513	603.649	-0.864
50	20	605.598	605.822	0.224
50	21	606.141	605.279	-0.862
50	22	606.141	605.822	-0.319
50	23	608.312	607.995	-0.317
50	24	607.226	606.909	-0.317
50	25	606.684	605.822	-0.862
51	36	603.970	603.105	-0.865
51	37	607.769	606.365	-1.404
51	38	606.684	606.365	-0.319
51	39	608.312	607.995	-0.317
51	40	605.598	604.735	-0.863
	Max	609.397	609.625	0.229
	Average	605.946	605.463	-0.483
	Min	602.343	602.013	-1.404
	Std Dev	1.614	1.664	0.352



3.0 _InternalRefNoLoad3V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	613	mV
Min Limit	598	mV

krad	0	20	21	30	31	50	51
LL	598.000	598.000	598.000	598.000	598.000	598.000	598.000
Min	605.819	603.649	602.019	604.188	602.013	602.562	603.105
Average	606.545	605.605	605.279	605.819	603.970	605.526	605.713
Max	606.909	609.626	608.539	606.907	605.819	607.996	607.996
UL	613.000	613.000	613.000	613.000	613.000	613.000	613.000



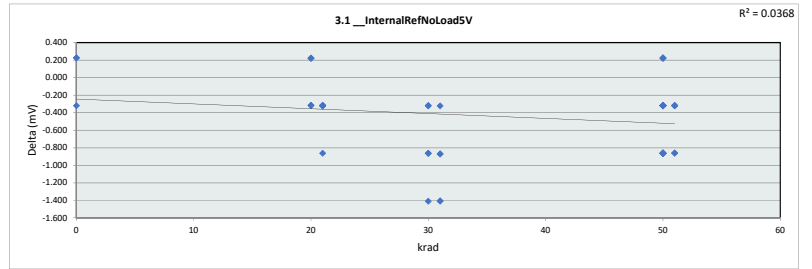
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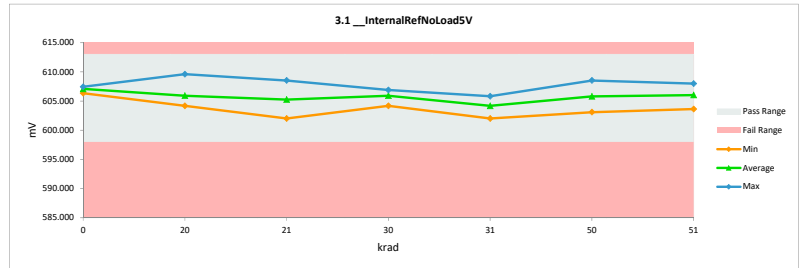
3.1 InternalRefNoLoadSV		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	mV	mV
Max Limit	613	613
Min Limit	598	598

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	606.684	606.363	-0.321
0	2	607.226	607.451	0.225
0	3	607.226	607.452	0.226
20	31	609.940	609.625	-0.315
20	32	605.056	605.279	0.223
20	33	605.056	605.279	0.223
20	34	605.598	605.279	-0.319
20	35	603.970	604.192	0.222
21	46	606.141	605.822	-0.319
21	47	608.854	608.539	-0.315
21	48	606.684	605.822	-0.862
21	49	604.513	604.192	-0.321
21	50	602.343	602.019	-0.324
30	26	605.598	604.188	-1.410
30	27	607.769	606.907	-0.862
30	28	607.226	606.907	-0.319
30	29	606.141	605.819	-0.322
30	30	606.684	605.819	-0.865
31	41	602.885	602.013	-0.872
31	42	605.598	605.276	-0.322
31	43	607.226	605.819	-1.407
31	44	603.970	603.100	-0.870
31	45	606.141	604.732	-1.409
50	4	608.312	607.452	-0.860
50	5	606.141	605.822	-0.319
50	6	606.684	606.365	-0.319
50	7	608.312	607.452	-0.860
50	8	607.769	606.909	-0.860
50	9	605.056	604.192	-0.864
50	10	605.598	605.279	-0.319
50	11	608.312	607.452	-0.860
50	12	603.428	603.105	-0.323
50	13	605.056	604.735	-0.321
50	14	606.141	605.279	-0.862
50	15	604.513	604.735	0.222
50	16	603.970	604.192	0.222
50	17	606.684	606.909	0.225
50	18	605.056	604.192	-0.864
50	19	604.513	604.192	-0.321
50	20	606.141	605.822	-0.319
50	21	606.684	605.822	-0.862
50	22	606.684	606.365	-0.319
50	23	608.854	608.539	-0.315
50	24	607.226	606.909	-0.317
50	25	606.141	606.365	0.224
51	36	603.970	603.649	-0.321
51	37	607.769	606.909	-0.860
51	38	607.226	606.365	-0.861
51	39	608.312	607.995	-0.317
51	40	605.598	605.279	-0.319
	Max	609.940	609.625	0.226
	Average	606.174	605.724	-0.450
	Min	602.343	602.013	-1.410
	Std Dev	1.639	1.616	0.447



3.1 InternalRefNoLoadSV		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	613	mV
Min Limit	598	mV

krad	0	20	21	30	31	50	51
LL	598.000	598.000	598.000	598.000	598.000	598.000	598.000
Min	606.363	604.192	602.019	604.188	602.013	603.105	603.649
Average	607.089	605.931	605.279	605.928	604.188	605.822	606.039
Max	607.452	609.626	608.539	606.907	605.819	608.539	607.996
UL	613.000	613.000	613.000	613.000	613.000	613.000	613.000



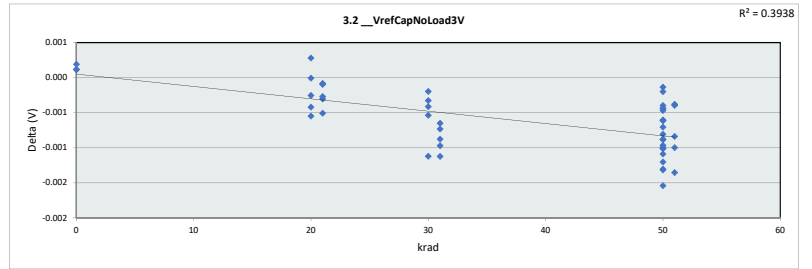
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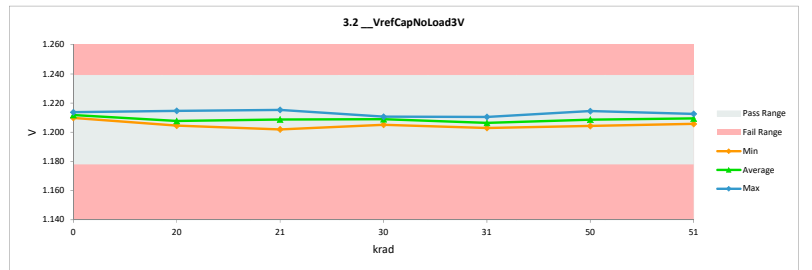
3.2_VrefCapNoLoad3V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	V	V
Max Limit	1.239	1.239
Min Limit	1.178	1.178

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	1.210	1.210	0.000
0	2	1.214	1.214	0.000
0	3	1.212	1.212	0.000
20	31	1.215	1.215	0.000
20	32	1.205	1.205	0.000
20	33	1.207	1.207	0.000
20	34	1.208	1.207	0.000
20	35	1.205	1.204	-0.001
21	46	1.210	1.210	0.000
21	47	1.216	1.215	0.000
21	48	1.211	1.210	-0.001
21	49	1.206	1.206	0.000
21	50	1.202	1.202	0.000
30	26	1.206	1.205	-0.001
30	27	1.211	1.211	0.000
30	28	1.211	1.211	0.000
30	29	1.210	1.209	0.000
30	30	1.210	1.209	-0.001
31	41	1.204	1.203	-0.001
31	42	1.208	1.207	-0.001
31	43	1.211	1.211	-0.001
31	44	1.207	1.206	-0.001
31	45	1.207	1.206	-0.001
50	4	1.213	1.211	-0.002
50	5	1.210	1.210	0.000
50	6	1.212	1.211	-0.001
50	7	1.211	1.210	-0.001
50	8	1.213	1.212	-0.001
50	9	1.207	1.205	-0.001
50	10	1.208	1.207	-0.001
50	11	1.211	1.210	-0.001
50	12	1.207	1.206	-0.001
50	13	1.205	1.204	-0.001
50	14	1.209	1.208	-0.001
50	15	1.208	1.208	0.000
50	16	1.206	1.206	0.000
50	17	1.211	1.211	0.000
50	18	1.207	1.206	-0.001
50	19	1.208	1.206	-0.001
50	20	1.210	1.209	0.000
50	21	1.209	1.208	-0.001
50	22	1.209	1.208	-0.001
50	23	1.215	1.214	-0.001
50	24	1.212	1.211	-0.001
50	25	1.208	1.207	0.000
51	36	1.207	1.206	-0.001
51	37	1.211	1.210	-0.001
51	38	1.211	1.210	-0.001
51	39	1.213	1.213	0.000
51	40	1.209	1.209	0.000
	Max	1.216	1.215	0.000
	Average	1.209	1.209	-0.001
	Min	1.202	1.202	-0.002
	Std Dev	0.003	0.003	0.000



3.2_VrefCapNoLoad3V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	1.239	V
Min Limit	1.178	V

krad	0	20	21	30	31	50	51
LL	1.178	1.178	1.178	1.178	1.178	1.178	1.178
Min	1.210	1.204	1.202	1.205	1.203	1.204	1.206
Average	1.212	1.208	1.209	1.209	1.206	1.209	1.209
Max	1.214	1.215	1.215	1.211	1.211	1.214	1.213
UL	1.239	1.239	1.239	1.239	1.239	1.239	1.239



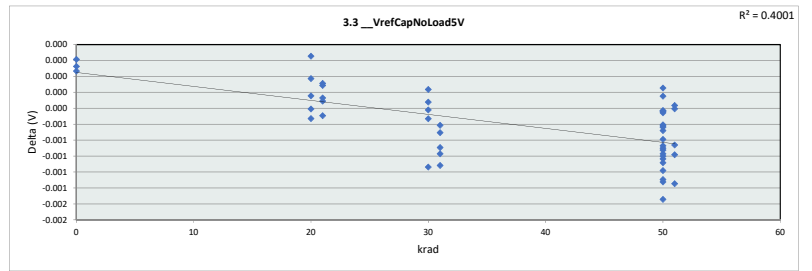
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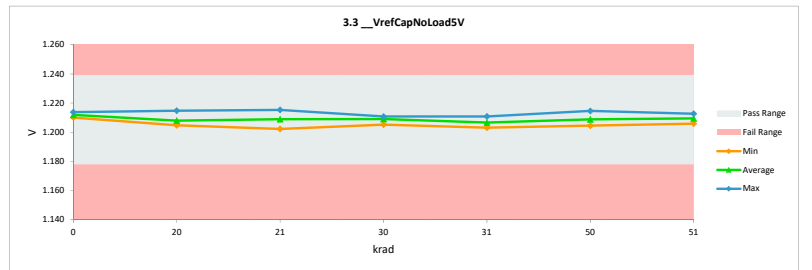
3.3_VrefCapNoLoad5V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	V	V
Max Limit	1.239	1.239
Min Limit	1.178	1.178

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	1.210	1.210	0.000
0	2	1.214	1.214	0.000
0	3	1.212	1.212	0.000
20	31	1.215	1.215	0.000
20	32	1.205	1.205	0.000
20	33	1.207	1.207	0.000
20	34	1.208	1.208	0.000
20	35	1.205	1.205	-0.001
21	46	1.210	1.210	0.000
21	47	1.216	1.215	0.000
21	48	1.211	1.210	0.000
21	49	1.207	1.206	0.000
21	50	1.203	1.202	0.000
30	26	1.206	1.205	-0.001
30	27	1.211	1.211	0.000
30	28	1.211	1.211	0.000
30	29	1.210	1.210	0.000
30	30	1.210	1.209	-0.001
31	41	1.204	1.203	-0.001
31	42	1.208	1.207	-0.001
31	43	1.211	1.211	-0.001
31	44	1.207	1.206	-0.001
31	45	1.207	1.206	-0.001
50	4	1.213	1.211	-0.002
50	5	1.210	1.210	0.000
50	6	1.212	1.211	-0.001
50	7	1.211	1.211	-0.001
50	8	1.213	1.212	-0.001
50	9	1.207	1.206	-0.001
50	10	1.209	1.207	-0.001
50	11	1.211	1.210	-0.001
50	12	1.207	1.206	-0.001
50	13	1.205	1.205	-0.001
50	14	1.209	1.209	-0.001
50	15	1.208	1.208	0.000
50	16	1.206	1.206	0.000
50	17	1.211	1.211	0.000
50	18	1.207	1.206	-0.001
50	19	1.208	1.207	-0.001
50	20	1.210	1.209	0.000
50	21	1.209	1.208	-0.001
50	22	1.209	1.209	-0.001
50	23	1.215	1.215	-0.001
50	24	1.212	1.211	-0.001
50	25	1.208	1.208	0.000
51	36	1.207	1.206	-0.001
51	37	1.212	1.210	-0.001
51	38	1.211	1.210	-0.001
51	39	1.213	1.213	0.000
51	40	1.209	1.209	0.000
	Max	1.216	1.215	0.000
	Average	1.209	1.209	-0.001
	Min	1.203	1.202	-0.002
	Std Dev	0.003	0.003	0.000



3.3_VrefCapNoLoad5V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	1.239	V
Min Limit	1.178	V

krad	0	20	21	30	31	50	51
LL	1.178	1.178	1.178	1.178	1.178	1.178	1.178
Min	1.210	1.205	1.202	1.205	1.203	1.205	1.206
Average	1.212	1.208	1.209	1.209	1.207	1.209	1.210
Max	1.214	1.215	1.215	1.211	1.211	1.215	1.213
UL	1.239	1.239	1.239	1.239	1.239	1.239	1.239



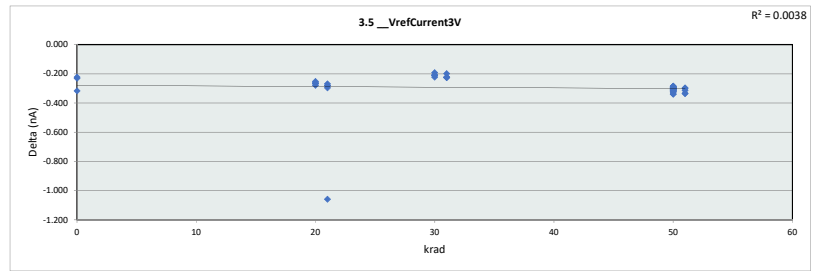
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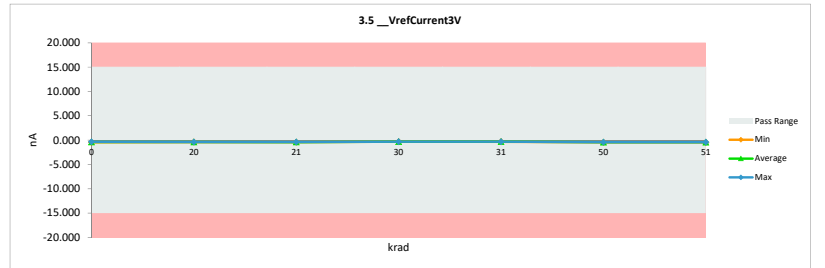
3.5_VrefCurrent3V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	nA	nA
Max Limit	15	15
Min Limit	-15	-15

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	-0.109	-0.340	-0.231
0	2	-0.112	-0.335	-0.223
0	3	-0.121	-0.438	-0.317
20	31	-0.113	-0.380	-0.267
20	32	-0.117	-0.396	-0.279
20	33	-0.127	-0.390	-0.263
20	34	-0.125	-0.377	-0.252
20	35	-0.123	-0.390	-0.267
21	46	-0.092	-0.388	-0.296
21	47	-0.109	-0.390	-0.281
21	48	-0.118	-0.387	-0.269
21	49	0.636	-0.423	-1.059
21	50	-0.096	-0.377	-0.281
30	26	-0.106	-0.329	-0.223
30	27	-0.111	-0.322	-0.211
30	28	-0.121	-0.332	-0.211
30	29	-0.116	-0.308	-0.192
30	30	-0.113	-0.321	-0.208
31	41	-0.101	-0.327	-0.226
31	42	-0.108	-0.332	-0.224
31	43	-0.100	-0.323	-0.223
31	44	-0.107	-0.332	-0.225
31	45	-0.120	-0.319	-0.199
50	4	-0.098	-0.423	-0.325
50	5	-0.113	-0.432	-0.319
50	6	-0.113	-0.400	-0.287
50	7	-0.127	-0.434	-0.307
50	8	-0.119	-0.419	-0.300
50	9	-0.123	-0.418	-0.295
50	10	-0.125	-0.417	-0.292
50	11	-0.117	-0.411	-0.294
50	12	-0.098	-0.400	-0.302
50	13	-0.105	-0.411	-0.306
50	14	-0.122	-0.425	-0.303
50	15	-0.121	-0.405	-0.284
50	16	-0.124	-0.417	-0.293
50	17	-0.130	-0.434	-0.304
50	18	-0.088	-0.427	-0.339
50	19	-0.117	-0.433	-0.316
50	20	-0.147	-0.432	-0.285
50	21	-0.110	-0.449	-0.339
50	22	-0.105	-0.429	-0.324
50	23	-0.106	-0.413	-0.307
50	24	-0.112	-0.426	-0.314
50	25	-0.105	-0.421	-0.316
51	36	-0.099	-0.433	-0.334
51	37	-0.120	-0.434	-0.314
51	38	-0.099	-0.435	-0.336
51	39	-0.119	-0.415	-0.296
51	40	-0.106	-0.407	-0.301
	Max	0.636	-0.308	-0.192
	Average	-0.098	-0.393	-0.295
	Min	-0.147	-0.449	-1.059
	Std Dev	0.106	0.041	0.118



3.5_VrefCurrent3V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	15	nA
Min Limit	-15	nA

krad	0	20	21	30	31	50	51
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	-0.438	-0.396	-0.423	-0.332	-0.332	-0.449	-0.435
Average	-0.371	-0.386	-0.393	-0.322	-0.327	-0.422	-0.425
Max	-0.335	-0.377	-0.377	-0.308	-0.319	-0.400	-0.407
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000



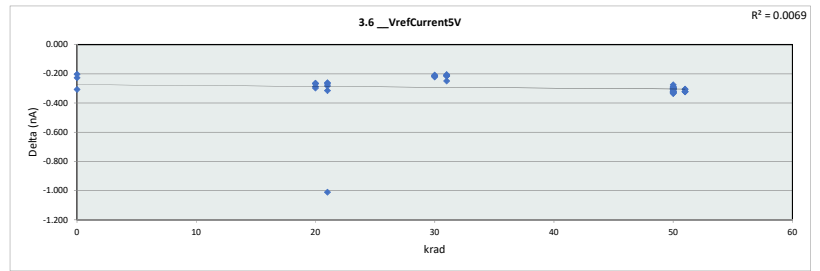
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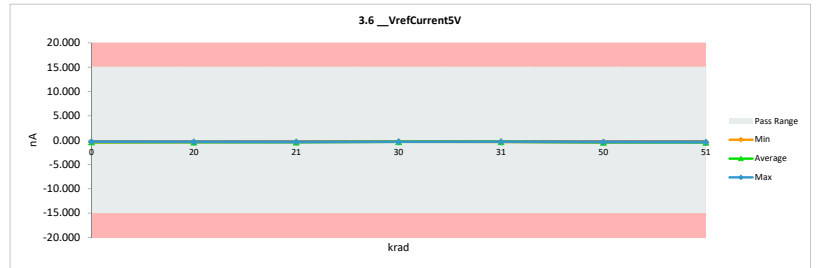
3.6_VrefCurrent5V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	nA	nA
Max Limit	15	15
Min Limit	-15	-15

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	-0.135	-0.339	-0.204
0	2	-0.131	-0.358	-0.227
0	3	-0.154	-0.461	-0.307
20	31	-0.115	-0.382	-0.267
20	32	-0.131	-0.429	-0.298
20	33	-0.134	-0.401	-0.267
20	34	-0.136	-0.401	-0.265
20	35	-0.119	-0.407	-0.288
21	46	-0.087	-0.402	-0.315
21	47	-0.126	-0.395	-0.269
21	48	-0.135	-0.396	-0.261
21	49	0.596	-0.414	-1.010
21	50	-0.117	-0.400	-0.283
30	26	-0.119	-0.341	-0.222
30	27	-0.125	-0.338	-0.213
30	28	-0.132	-0.347	-0.215
30	29	-0.124	-0.341	-0.217
30	30	-0.131	-0.340	-0.209
31	41	-0.139	-0.344	-0.205
31	42	-0.140	-0.353	-0.213
31	43	-0.117	-0.366	-0.249
31	44	-0.134	-0.349	-0.215
31	45	-0.122	-0.337	-0.215
50	4	-0.119	-0.454	-0.335
50	5	-0.104	-0.438	-0.334
50	6	-0.129	-0.426	-0.297
50	7	-0.138	-0.442	-0.304
50	8	-0.129	-0.439	-0.310
50	9	-0.136	-0.437	-0.301
50	10	-0.136	-0.435	-0.299
50	11	-0.136	-0.411	-0.275
50	12	-0.135	-0.434	-0.299
50	13	-0.123	-0.413	-0.290
50	14	-0.130	-0.440	-0.310
50	15	-0.130	-0.419	-0.289
50	16	-0.149	-0.442	-0.293
50	17	-0.138	-0.438	-0.300
50	18	-0.122	-0.450	-0.328
50	19	-0.144	-0.471	-0.327
50	20	-0.127	-0.448	-0.321
50	21	-0.138	-0.458	-0.320
50	22	-0.119	-0.444	-0.325
50	23	-0.115	-0.437	-0.322
50	24	-0.130	-0.439	-0.309
50	25	-0.124	-0.453	-0.329
51	36	-0.124	-0.447	-0.323
51	37	-0.144	-0.449	-0.305
51	38	-0.122	-0.444	-0.322
51	39	-0.129	-0.435	-0.306
51	40	-0.122	-0.445	-0.323
	Max	0.596	-0.337	-0.204
	Average	-0.114	-0.411	-0.297
	Min	-0.154	-0.471	-1.010
	Std Dev	0.103	0.041	0.111



3.6_VrefCurrent5V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	15	nA
Min Limit	-15	nA

	0	20	21	30	31	50	51
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	-0.461	-0.429	-0.414	-0.347	-0.366	-0.471	-0.449
Average	-0.386	-0.404	-0.401	-0.342	-0.350	-0.439	-0.444
Max	-0.339	-0.382	-0.395	-0.338	-0.337	-0.411	-0.435
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000





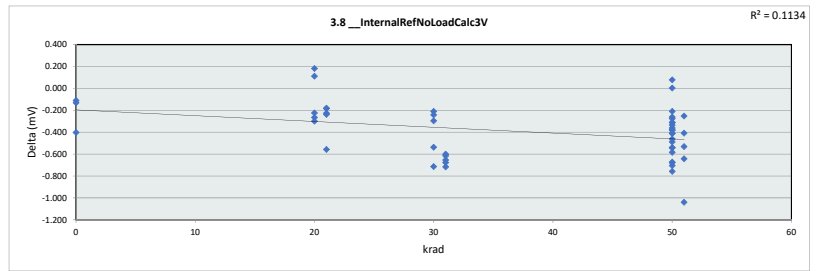
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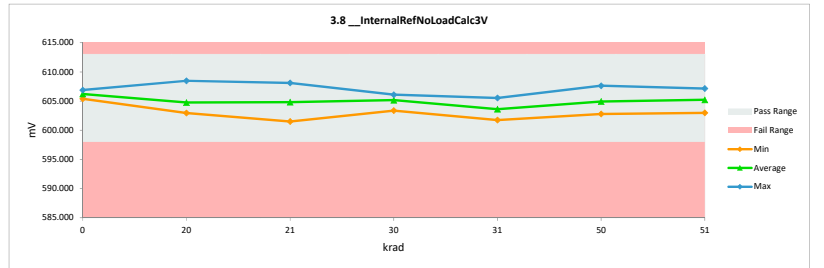
3.8 InternalRefNoLoadCalc3V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	mV	mV
Max Limit	613	613
Min Limit	598	598

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	605.784	605.381	-0.403
0	2	607.008	606.877	-0.131
0	3	606.498	606.387	-0.111
20	31	608.364	608.476	0.112
20	32	603.856	603.632	-0.224
20	33	603.969	604.150	0.181
20	34	604.777	604.511	-0.266
20	35	603.246	602.947	-0.299
21	46	605.555	605.372	-0.183
21	47	608.320	608.094	-0.226
21	48	606.044	605.487	-0.557
21	49	603.821	603.641	-0.180
21	50	601.744	601.506	-0.238
30	26	604.075	603.361	-0.714
30	27	606.326	606.084	-0.242
30	28	606.382	605.846	-0.536
30	29	605.483	605.273	-0.210
30	30	605.479	605.183	-0.296
31	41	602.338	601.738	-0.600
31	42	604.775	604.098	-0.677
31	43	606.155	605.539	-0.616
31	44	603.419	602.703	-0.716
31	45	604.593	603.939	-0.654
50	4	607.061	606.518	-0.542
50	5	605.622	605.347	-0.275
50	6	606.064	605.682	-0.382
50	7	606.927	606.343	-0.584
50	8	606.788	606.377	-0.411
50	9	603.948	603.190	-0.758
50	10	604.616	604.154	-0.462
50	11	606.569	606.158	-0.411
50	12	603.092	602.780	-0.312
50	13	603.531	603.169	-0.362
50	14	605.112	604.439	-0.673
50	15	604.566	604.306	-0.260
50	16	603.173	603.250	0.077
50	17	606.080	605.871	-0.209
50	18	604.250	603.761	-0.489
50	19	604.144	603.440	-0.704
50	20	605.191	605.195	0.004
50	21	605.360	604.681	-0.679
50	22	605.332	604.997	-0.335
50	23	607.931	607.621	-0.310
50	24	606.663	606.285	-0.378
50	25	605.299	604.758	-0.541
51	36	603.622	602.980	-0.642
51	37	606.754	605.714	-1.040
51	38	606.087	605.678	-0.409
51	39	607.392	607.140	-0.252
51	40	605.089	604.559	-0.530
	Max	608.364	608.476	0.181
	Average	605.285	604.892	-0.393
	Min	601.744	601.506	-1.040
	Std Dev	1.512	1.554	0.246



3.8 InternalRefNoLoadCalc3		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	613	mV
Min Limit	598	mV

krad	0	20	21	30	31	50	51
LL	598.000	598.000	598.000	598.000	598.000	598.000	598.000
Min	605.381	602.947	601.506	603.361	601.738	602.780	602.980
Average	606.215	604.743	604.820	605.149	603.603	604.924	605.214
Max	606.877	608.476	608.094	606.084	605.539	607.621	607.140
UL	613.000	613.000	613.000	613.000	613.000	613.000	613.000



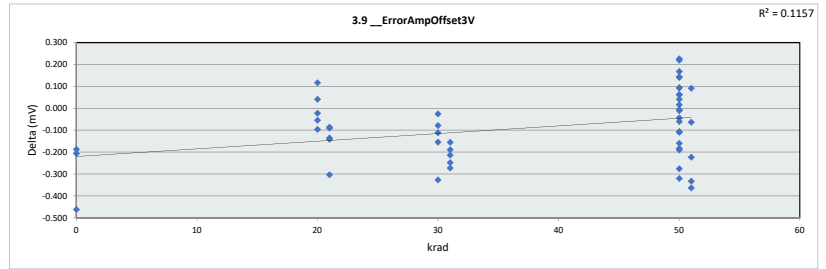
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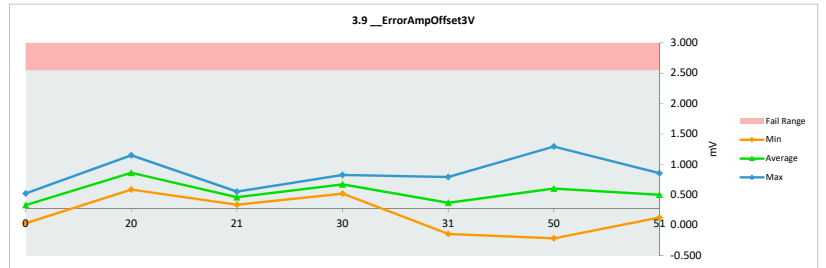
3.9_ErrorAmpOffset3V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	mV	mV
Max Limit	2.55	2.55
Min Limit		

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	0.900	0.438	-0.462
0	2	0.218	0.030	-0.188
0	3	0.728	0.522	-0.206
20	31	1.033	1.150	0.117
20	32	1.200	1.104	-0.096
20	33	0.544	0.585	0.041
20	34	0.822	0.767	-0.055
20	35	0.724	0.702	-0.022
21	46	0.586	0.450	-0.136
21	47	0.535	0.444	-0.091
21	48	0.639	0.335	-0.304
21	49	0.693	0.552	-0.141
21	50	0.599	0.513	-0.086
30	26	0.981	0.827	-0.154
30	27	0.901	0.823	-0.078
30	28	0.845	0.518	-0.327
30	29	0.658	0.546	-0.112
30	30	0.662	0.636	-0.026
31	41	0.547	0.274	-0.273
31	42	0.823	0.634	-0.189
31	43	0.529	0.281	-0.248
31	44	0.009	-0.146	-0.155
31	45	1.006	0.793	-0.213
50	4	0.708	0.934	0.226
50	5	0.519	0.476	-0.043
50	6	0.077	0.140	0.063
50	7	1.385	1.109	-0.276
50	8	0.438	0.532	0.094
50	9	0.565	0.458	-0.107
50	10	0.440	0.581	0.141
50	11	1.200	1.294	0.094
50	12	-0.207	-0.218	-0.011
50	13	0.982	1.023	0.041
50	14	0.487	0.297	-0.190
50	15	0.490	0.430	-0.060
50	16	0.255	0.399	0.144
50	17	0.604	0.495	-0.109
50	18	0.806	0.974	0.168
50	19	0.369	0.209	-0.160
50	20	0.408	0.628	0.220
50	21	0.781	0.598	-0.183
50	22	0.809	0.825	0.016
50	23	0.381	0.375	-0.006
50	24	0.563	0.624	0.061
50	25	1.384	1.064	-0.320
51	36	0.348	0.125	-0.223
51	37	1.015	0.651	-0.364
51	38	0.596	0.687	0.091
51	39	0.919	0.855	-0.064
51	40	0.510	0.177	-0.333
Max		1.385	1.294	0.226
Average		0.660	0.570	-0.090
Min		-0.207	-0.218	-0.462
Std Dev		0.321	0.325	0.160



3.9_ErrorAmpOffset3V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	2.55	mV
Min Limit		mV

krad	0	20	21	30	31	50	51
LL							
Min	0.030	0.585	0.335	0.518	-0.146	-0.218	0.125
Average	0.330	0.861	0.459	0.670	0.367	0.602	0.499
Max	0.522	1.150	0.552	0.827	0.793	1.294	0.855
UL	2.550	2.550	2.550	2.550	2.550	2.550	2.550



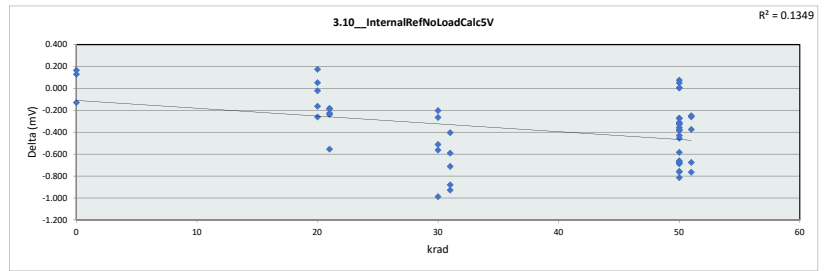
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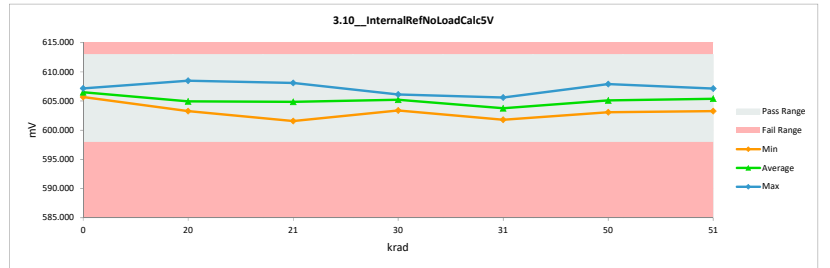
3.10_ InternalRefNoLoadCalc5V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	mV	mV
Max Limit	613	613
Min Limit	598	598

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	605.827	605.698	-0.129
0	2	607.038	607.167	0.129
0	3	606.519	606.685	0.166
20	31	608.659	608.496	-0.163
20	32	603.889	603.941	0.052
20	33	604.293	604.468	0.175
20	34	604.806	604.545	-0.261
20	35	603.303	603.282	-0.021
21	46	605.603	605.415	-0.188
21	47	608.330	608.105	-0.225
21	48	606.082	605.528	-0.554
21	49	603.886	603.705	-0.181
21	50	601.821	601.582	-0.239
30	26	604.388	603.400	-0.988
30	27	606.635	606.123	-0.512
30	28	606.411	606.146	-0.265
30	29	605.519	605.316	-0.203
30	30	605.776	605.212	-0.564
31	41	602.391	601.800	-0.591
31	42	604.806	604.402	-0.404
31	43	606.484	605.603	-0.881
31	44	603.744	603.031	-0.713
31	45	604.916	603.988	-0.928
50	4	607.358	606.543	-0.815
50	5	605.668	605.394	-0.274
50	6	606.365	605.980	-0.385
50	7	606.960	606.376	-0.584
50	8	607.085	606.396	-0.689
50	9	604.277	603.520	-0.757
50	10	604.947	604.492	-0.455
50	11	606.892	606.213	-0.679
50	12	603.403	603.083	-0.320
50	13	603.852	603.495	-0.357
50	14	605.432	604.771	-0.661
50	15	604.328	604.333	0.005
50	16	603.489	603.565	0.076
50	17	606.107	606.158	0.051
50	18	604.300	603.537	-0.763
50	19	604.198	603.768	-0.430
50	20	605.499	605.228	-0.271
50	21	605.678	605.006	-0.672
50	22	605.638	605.311	-0.327
50	23	608.230	607.920	-0.310
50	24	606.702	606.327	-0.375
50	25	605.075	605.080	0.005
51	36	603.669	603.294	-0.375
51	37	606.771	606.005	-0.766
51	38	606.390	605.715	-0.675
51	39	607.406	607.157	-0.249
51	40	605.123	604.863	-0.260
	Max	608.659	608.496	0.175
	Average	605.439	605.063	-0.376
	Min	601.821	601.582	-0.988
	Std Dev	1.515	1.522	0.303



3.10_ InternalRefNoLoadCalc5V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	613	mV
Min Limit	598	mV

krad	0	20	21	30	31	50	51
LL	598.000	598.000	598.000	598.000	598.000	598.000	598.000
Min	605.698	603.282	601.582	603.400	601.801	603.083	603.294
Average	606.517	604.946	604.867	605.239	603.765	605.113	605.407
Max	607.167	608.496	608.105	606.146	605.603	607.920	607.157
UL	613.000	613.000	613.000	613.000	613.000	613.000	613.000



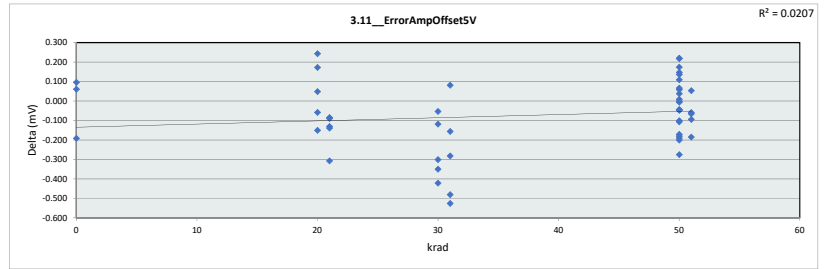
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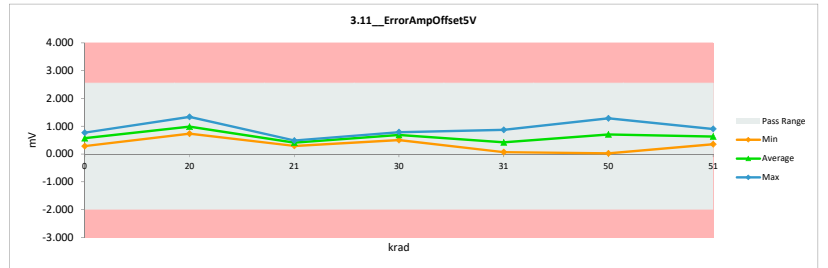
3.11_ErrorAmpOffset5V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	mV	mV
Max Limit	2.55	2.55
Min Limit	-2	-2

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	0.857	0.665	-0.192
0	2	0.188	0.284	0.096
0	3	0.707	0.768	0.061
20	31	1.280	1.129	-0.151
20	32	1.166	1.338	0.172
20	33	0.763	0.811	0.048
20	34	0.792	0.734	-0.058
20	35	0.668	0.911	0.243
21	46	0.538	0.407	-0.131
21	47	0.524	0.434	-0.090
21	48	0.602	0.294	-0.308
21	49	0.627	0.488	-0.139
21	50	0.522	0.437	-0.085
30	26	1.210	0.788	-0.422
30	27	1.134	0.784	-0.350
30	28	0.815	0.761	-0.054
30	29	0.622	0.503	-0.119
30	30	0.908	0.607	-0.301
31	41	0.494	0.212	-0.282
31	42	0.792	0.873	0.081
31	43	0.742	0.216	-0.526
31	44	0.226	0.069	-0.157
31	45	1.225	0.744	-0.481
50	4	0.953	0.909	-0.044
50	5	0.473	0.428	-0.045
50	6	0.319	0.385	0.066
50	7	1.352	1.076	-0.276
50	8	0.684	0.513	-0.171
50	9	0.779	0.672	-0.107
50	10	0.651	0.787	0.136
50	11	1.419	1.239	-0.180
50	12	0.024	0.022	-0.002
50	13	1.203	1.240	0.037
50	14	0.709	0.508	-0.201
50	15	0.185	0.402	0.217
50	16	0.481	0.628	0.147
50	17	0.577	0.751	0.174
50	18	0.756	0.655	-0.101
50	19	0.315	0.424	0.109
50	20	0.642	0.594	-0.048
50	21	1.006	0.816	-0.190
50	22	1.046	1.055	0.009
50	23	0.625	0.619	-0.006
50	24	0.524	0.582	0.058
50	25	1.066	1.286	0.220
51	36	0.301	0.354	0.053
51	37	0.998	0.903	-0.095
51	38	0.836	0.651	-0.185
51	39	0.905	0.839	-0.066
51	40	0.475	0.416	-0.059
	Max	1.419	1.338	0.243
	Average	0.734	0.660	-0.074
	Min	0.024	0.022	-0.526
	Std Dev	0.323	0.306	0.178



3.11_ErrorAmpOffset5V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	2.55	mV
Min Limit	-2	mV

krad	0	20	21	30	31	50	51
LL	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000
Min	0.284	0.734	0.294	0.503	0.069	0.022	0.354
Average	0.572	0.985	0.412	0.689	0.423	0.709	0.633
Max	0.768	1.338	0.488	0.788	0.873	1.286	0.903
UL	2.550	2.550	2.550	2.550	2.550	2.550	2.550



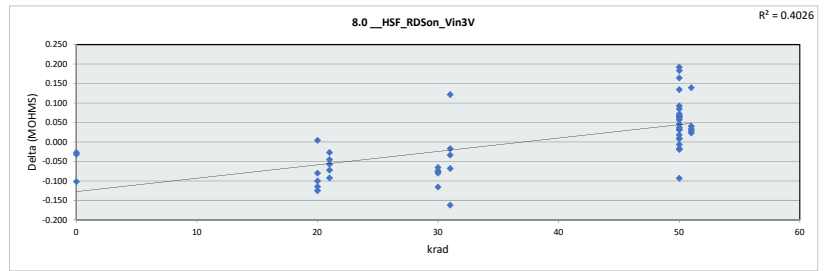
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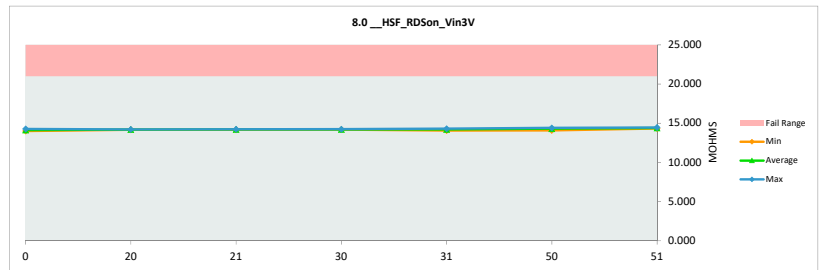
8.0_HSF_RDson_Vin3V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	MOHMS	MOHMS
Max Limit	21	21
Min Limit		

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	14.112	14.010	-0.102
0	2	14.145	14.114	-0.032
0	3	14.292	14.265	-0.027
20	31	14.297	14.171	-0.125
20	32	14.315	14.200	-0.115
20	33	14.165	14.170	0.004
20	34	14.269	14.189	-0.080
20	35	14.297	14.197	-0.100
21	46	14.227	14.171	-0.057
21	47	14.281	14.188	-0.092
21	48	14.280	14.208	-0.072
21	49	14.262	14.216	-0.046
21	50	14.253	14.226	-0.027
30	26	14.309	14.234	-0.075
30	27	14.263	14.197	-0.066
30	28	14.319	14.203	-0.116
30	29	14.258	14.183	-0.075
30	30	14.278	14.198	-0.080
31	41	14.329	14.295	-0.034
31	42	14.073	14.195	0.122
31	43	14.264	14.247	-0.017
31	44	14.218	14.056	-0.162
31	45	14.278	14.210	-0.068
50	4	14.209	14.271	0.062
50	5	14.206	14.298	0.093
50	6	14.244	14.301	0.057
50	7	14.325	14.319	-0.007
50	8	14.172	14.209	0.037
50	9	14.128	14.137	0.009
50	10	14.182	14.088	-0.093
50	11	14.206	14.189	-0.017
50	12	14.295	14.362	0.067
50	13	14.300	14.385	0.084
50	14	14.154	14.346	0.192
50	15	14.317	14.363	0.045
50	16	14.342	14.374	0.032
50	17	14.330	14.397	0.066
50	18	14.196	14.380	0.183
50	19	14.321	14.330	0.008
50	20	14.305	14.336	0.031
50	21	14.320	14.301	-0.019
50	22	14.303	14.321	0.018
50	23	14.206	14.278	0.072
50	24	14.103	14.267	0.164
50	25	14.157	14.292	0.134
51	36	14.306	14.339	0.033
51	37	14.324	14.463	0.139
51	38	14.351	14.374	0.023
51	39	14.351	14.392	0.040
51	40	14.338	14.367	0.028
	Max	14.351	14.463	0.192
	Average	14.256	14.256	0.001
	Min	14.073	14.010	-0.162
	Std Dev	0.072	0.096	0.085



8.0_HSF_RDson_Vin3V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	21	MOHMS
Min Limit		MOHMS

krad	0	20	21	30	31	50	51
LL							
Min	14.010	14.170	14.171	14.183	14.056	14.088	14.339
Average	14.129	14.185	14.202	14.203	14.201	14.297	14.387
Max	14.265	14.200	14.226	14.234	14.295	14.397	14.463
UL	21.000	21.000	21.000	21.000	21.000	21.000	21.000



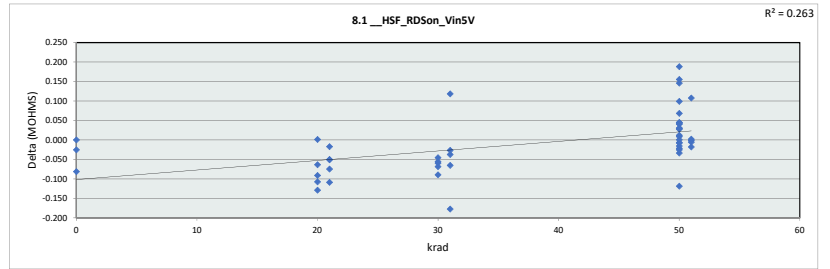
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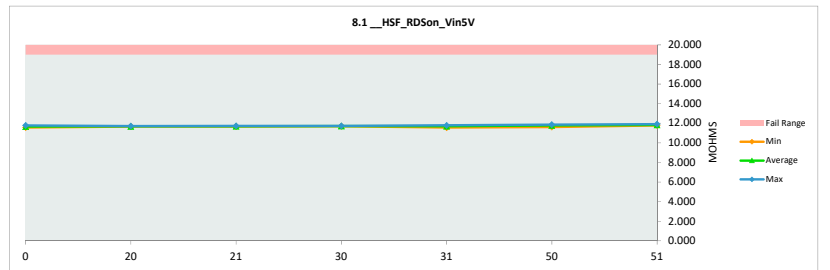
8.1_HSF_RDson_Vin5V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	MOHMS	MOHMS
Max Limit	19	
Min Limit		19

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	11.637	11.556	-0.081
0	2	11.655	11.630	-0.025
0	3	11.772	11.772	0.000
20	31	11.803	11.674	-0.129
20	32	11.791	11.684	-0.107
20	33	11.663	11.665	0.001
20	34	11.766	11.702	-0.064
20	35	11.786	11.695	-0.091
21	46	11.739	11.688	-0.051
21	47	11.774	11.666	-0.109
21	48	11.781	11.706	-0.075
21	49	11.760	11.709	-0.050
21	50	11.739	11.721	-0.017
30	26	11.782	11.726	-0.056
30	27	11.758	11.712	-0.046
30	28	11.805	11.716	-0.090
30	29	11.753	11.693	-0.060
30	30	11.775	11.706	-0.069
31	41	11.820	11.782	-0.037
31	42	11.576	11.694	0.118
31	43	11.765	11.738	-0.027
31	44	11.732	11.554	-0.177
31	45	11.777	11.712	-0.065
50	4	11.716	11.757	0.041
50	5	11.727	11.771	0.044
50	6	11.753	11.764	0.012
50	7	11.812	11.796	-0.016
50	8	11.702	11.729	0.027
50	9	11.678	11.670	-0.008
50	10	11.726	11.607	-0.119
50	11	11.735	11.701	-0.034
50	12	11.787	11.832	0.045
50	13	11.784	11.852	0.068
50	14	11.648	11.836	0.188
50	15	11.800	11.830	0.030
50	16	11.821	11.830	0.009
50	17	11.820	11.850	0.030
50	18	11.659	11.815	0.155
50	19	11.810	11.784	-0.025
50	20	11.780	11.780	0.000
50	21	11.792	11.770	-0.022
50	22	11.793	11.786	-0.007
50	23	11.716	11.758	0.042
50	24	11.613	11.758	0.146
50	25	11.683	11.782	0.099
51	36	11.783	11.777	-0.006
51	37	11.800	11.908	0.108
51	38	11.825	11.807	-0.018
51	39	11.826	11.825	-0.002
51	40	11.811	11.813	0.002
	Max	11.826	11.908	0.188
	Average	11.752	11.742	-0.010
	Min	11.576	11.554	-0.177
	Std Dev	0.060	0.074	0.075



8.1_HSF_RDson_Vin5V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	19	MOHMS
Min Limit		MOHMS

krad	0	20	21	30	31	50	51
LL							
Min	11.556	11.665	11.666	11.693	11.554	11.607	11.777
Average	11.652	11.684	11.698	11.711	11.696	11.775	11.826
Max	11.772	11.702	11.721	11.726	11.782	11.852	11.908
UL	19.000	19.000	19.000	19.000	19.000	19.000	19.000



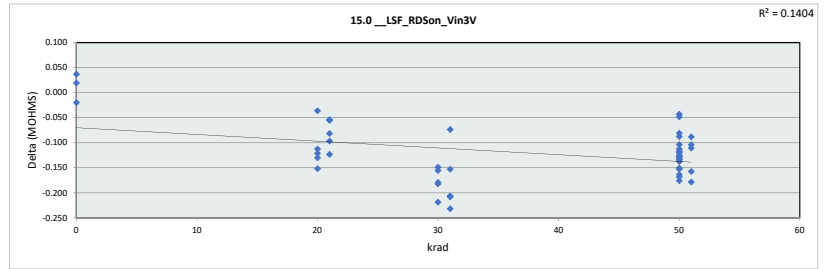
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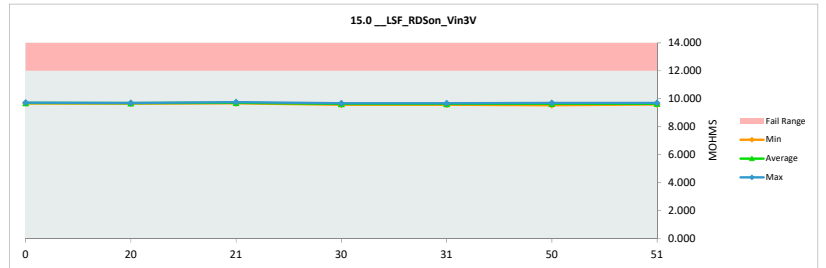
15.0_LSF_RDson_Vin3V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	MOHMS	MOHMS
Max Limit	12	
Min Limit		

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	9.698	9.678	-0.020
0	2	9.689	9.726	0.037
0	3	9.684	9.703	0.019
20	31	9.822	9.710	-0.113
20	32	9.830	9.678	-0.152
20	33	9.742	9.706	-0.036
20	34	9.823	9.692	-0.130
20	35	9.787	9.666	-0.121
21	46	9.779	9.683	-0.097
21	47	9.772	9.717	-0.055
21	48	9.810	9.728	-0.082
21	49	9.815	9.761	-0.054
21	50	9.837	9.713	-0.123
30	26	9.765	9.583	-0.182
30	27	9.842	9.623	-0.219
30	28	9.825	9.646	-0.179
30	29	9.787	9.639	-0.149
30	30	9.837	9.682	-0.156
31	41	9.790	9.582	-0.208
31	42	9.695	9.621	-0.074
31	43	9.837	9.684	-0.153
31	44	9.872	9.640	-0.232
31	45	9.842	9.635	-0.206
50	4	9.731	9.606	-0.125
50	5	9.738	9.621	-0.118
50	6	9.717	9.636	-0.081
50	7	9.754	9.620	-0.134
50	8	9.856	9.703	-0.153
50	9	9.790	9.659	-0.131
50	10	9.826	9.662	-0.164
50	11	9.833	9.696	-0.137
50	12	9.827	9.690	-0.137
50	13	9.771	9.645	-0.126
50	14	9.767	9.680	-0.088
50	15	9.800	9.632	-0.168
50	16	9.811	9.682	-0.128
50	17	9.800	9.682	-0.118
50	18	9.692	9.643	-0.049
50	19	9.793	9.617	-0.176
50	20	9.701	9.550	-0.151
50	21	9.783	9.663	-0.120
50	22	9.797	9.670	-0.127
50	23	9.764	9.651	-0.112
50	24	9.685	9.642	-0.043
50	25	9.733	9.629	-0.104
51	36	9.688	9.599	-0.088
51	37	9.821	9.642	-0.179
51	38	9.796	9.685	-0.111
51	39	9.805	9.701	-0.104
51	40	9.801	9.644	-0.158
	Max	9.872	9.761	0.037
	Average	9.781	9.661	-0.120
	Min	9.684	9.550	-0.232
	Std Dev	0.052	0.042	0.056



15.0_LSF_RDson_Vin3V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	12	MOHMS
Min Limit		MOHMS

krad	0	20	21	30	31	50	51
LL							
Min	9.678	9.666	9.683	9.583	9.582	9.550	9.599
Average	9.702	9.690	9.720	9.634	9.633	9.649	9.654
Max	9.726	9.710	9.761	9.682	9.684	9.703	9.701
UL	12.000	12.000	12.000	12.000	12.000	12.000	12.000



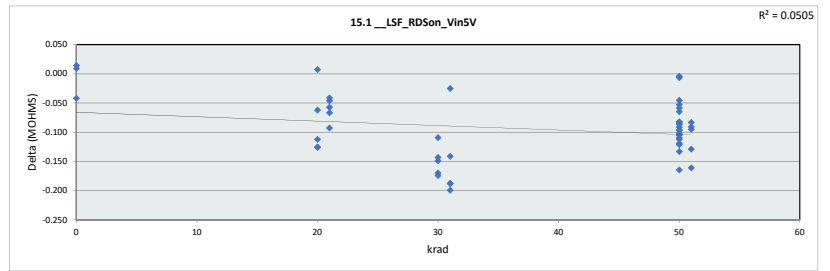
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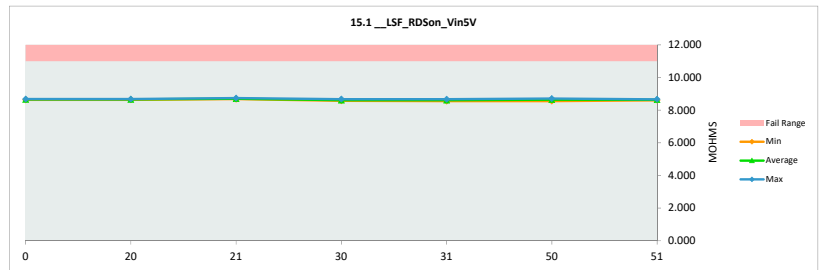
15.1_LSF_RDson_Vin5V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	MOHMS	MOHMS
Max Limit	11	
Min Limit		11

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	8.677	8.635	-0.042
0	2	8.674	8.683	0.009
0	3	8.656	8.670	0.014
20	31	8.743	8.681	-0.062
20	32	8.788	8.662	-0.125
20	33	8.674	8.681	0.007
20	34	8.754	8.642	-0.112
20	35	8.766	8.640	-0.126
21	46	8.743	8.677	-0.067
21	47	8.730	8.683	-0.046
21	48	8.754	8.697	-0.057
21	49	8.780	8.738	-0.041
21	50	8.805	8.712	-0.093
30	26	8.723	8.574	-0.149
30	27	8.773	8.603	-0.170
30	28	8.784	8.610	-0.174
30	29	8.762	8.618	-0.143
30	30	8.789	8.680	-0.109
31	41	8.750	8.551	-0.199
31	42	8.641	8.616	-0.025
31	43	8.809	8.667	-0.141
31	44	8.813	8.625	-0.187
31	45	8.801	8.613	-0.188
50	4	8.676	8.611	-0.065
50	5	8.705	8.622	-0.083
50	6	8.675	8.629	-0.045
50	7	8.731	8.635	-0.096
50	8	8.817	8.712	-0.105
50	9	8.763	8.659	-0.104
50	10	8.792	8.672	-0.119
50	11	8.773	8.677	-0.097
50	12	8.776	8.675	-0.101
50	13	8.720	8.634	-0.085
50	14	8.741	8.682	-0.059
50	15	8.785	8.620	-0.165
50	16	8.776	8.667	-0.110
50	17	8.759	8.672	-0.087
50	18	8.629	8.625	-0.004
50	19	8.729	8.608	-0.121
50	20	8.686	8.554	-0.133
50	21	8.773	8.661	-0.112
50	22	8.755	8.664	-0.091
50	23	8.724	8.642	-0.082
50	24	8.642	8.636	-0.006
50	25	8.677	8.625	-0.053
51	36	8.702	8.611	-0.091
51	37	8.776	8.614	-0.161
51	38	8.758	8.663	-0.095
51	39	8.751	8.668	-0.083
51	40	8.761	8.632	-0.129
	Max	8.817	8.738	0.014
	Average	8.741	8.647	-0.094
	Min	8.629	8.551	-0.199
	Std Dev	0.049	0.038	0.053



15.1_LSF_RDson_Vin5V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	11	MOHMS
Min Limit		MOHMS

krad	0	20	21	30	31	50	51
LL							
Min	8.635	8.640	8.677	8.574	8.551	8.554	8.611
Average	8.663	8.661	8.702	8.617	8.615	8.645	8.638
Max	8.683	8.681	8.738	8.680	8.667	8.712	8.668
UL	11.000	11.000	11.000	11.000	11.000	11.000	11.000





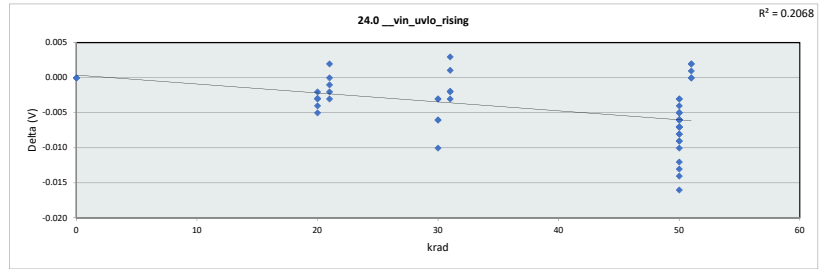
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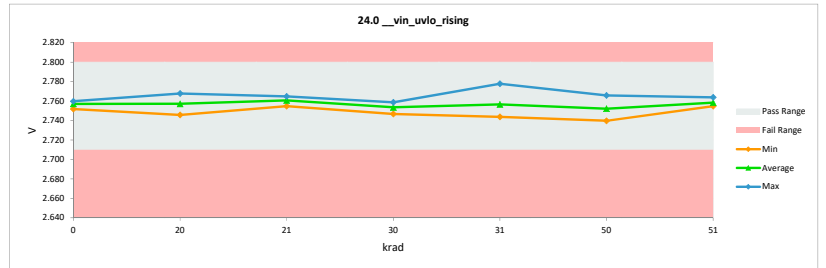
24.0 __vin_uvlo_rising		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	V	V
Max Limit	2.8	2.8
Min Limit	2.71	2.71

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	2.760	2.760	0.000
0	2	2.760	2.760	0.000
0	3	2.752	2.752	0.000
20	31	2.770	2.766	-0.004
20	32	2.762	2.760	-0.002
20	33	2.773	2.768	-0.005
20	34	2.750	2.747	-0.003
20	35	2.749	2.746	-0.003
21	46	2.760	2.758	-0.002
21	47	2.763	2.763	0.000
21	48	2.768	2.765	-0.003
21	49	2.765	2.764	-0.001
21	50	2.753	2.755	0.002
30	26	2.757	2.747	-0.010
30	27	2.762	2.756	-0.006
30	28	2.757	2.754	-0.003
30	29	2.762	2.759	-0.003
30	30	2.759	2.753	-0.006
31	41	2.760	2.757	-0.003
31	42	2.743	2.744	0.001
31	43	2.780	2.778	-0.002
31	44	2.758	2.761	0.003
31	45	2.746	2.744	-0.002
50	4	2.751	2.748	-0.003
50	5	2.772	2.766	-0.006
50	6	2.754	2.744	-0.010
50	7	2.757	2.751	-0.006
50	8	2.751	2.743	-0.008
50	9	2.763	2.758	-0.005
50	10	2.765	2.753	-0.012
50	11	2.754	2.747	-0.007
50	12	2.765	2.758	-0.007
50	13	2.759	2.752	-0.007
50	14	2.763	2.757	-0.006
50	15	2.749	2.744	-0.005
50	16	2.761	2.752	-0.009
50	17	2.766	2.753	-0.013
50	18	2.769	2.765	-0.004
50	19	2.757	2.748	-0.009
50	20	2.746	2.740	-0.006
50	21	2.755	2.747	-0.008
50	22	2.762	2.759	-0.003
50	23	2.774	2.758	-0.016
50	24	2.772	2.758	-0.014
50	25	2.758	2.751	-0.007
51	36	2.755	2.756	0.001
51	37	2.755	2.755	0.000
51	38	2.764	2.764	0.000
51	39	2.754	2.756	0.002
51	40	2.760	2.762	0.002
	Max	2.780	2.778	0.003
	Average	2.759	2.755	-0.004
	Min	2.743	2.740	-0.016
	Std Dev	0.008	0.008	0.004



24.0 __vin_uvlo_rising		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	2.8	V
Min Limit	2.71	V

krad	0	20	21	30	31	50	51
LL	2.710	2.710	2.710	2.710	2.710	2.710	2.710
Min	2.752	2.746	2.755	2.747	2.744	2.740	2.755
Average	2.757	2.757	2.761	2.754	2.757	2.752	2.758
Max	2.760	2.768	2.765	2.759	2.778	2.766	2.764
UL	2.800	2.800	2.800	2.800	2.800	2.800	2.800



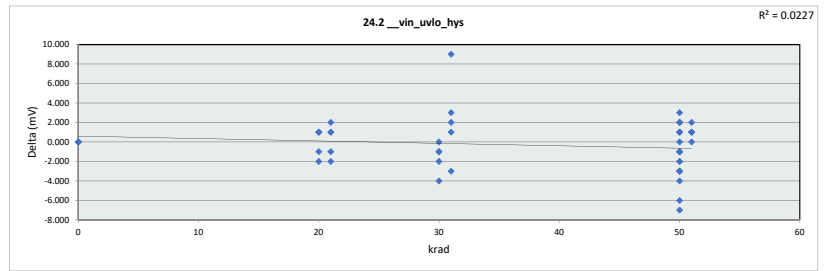
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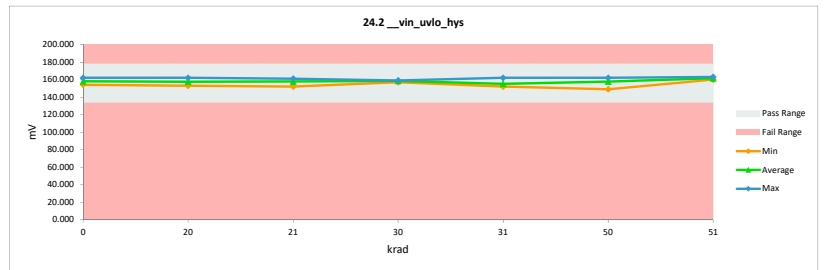
24.2 _vin_uvlo_hys		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	mV	mV
Max Limit	178	178
Min Limit	134	134

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	162.162	162.162	0.000
0	2	158.158	158.158	0.000
0	3	154.154	154.154	0.000
20	31	154.154	153.153	-1.001
20	32	161.161	162.162	1.001
20	33	163.163	161.161	-2.002
20	34	156.156	157.157	1.001
20	35	154.154	155.155	1.001
21	46	158.158	157.157	-1.001
21	47	160.160	161.161	1.001
21	48	161.161	159.159	-2.002
21	49	151.151	152.152	1.001
21	50	158.158	160.160	2.002
30	26	161.161	157.157	-4.004
30	27	160.160	159.159	-1.001
30	28	160.160	159.159	-1.001
30	29	161.161	159.159	-2.002
30	30	158.158	158.158	0.000
31	41	156.156	153.153	-3.003
31	42	150.150	152.152	2.002
31	43	156.156	157.157	1.001
31	44	153.153	162.162	9.009
31	45	149.149	152.152	3.003
50	4	159.159	160.160	1.001
50	5	163.163	160.160	-3.003
50	6	161.161	157.157	-4.004
50	7	155.155	153.153	-2.002
50	8	162.162	161.161	-1.001
50	9	160.160	161.161	1.001
50	10	161.161	154.154	-7.007
50	11	151.151	153.153	2.002
50	12	159.159	161.161	2.002
50	13	159.159	161.161	2.002
50	14	162.162	161.161	-1.001
50	15	161.161	162.162	1.001
50	16	161.161	155.155	-6.006
50	17	161.161	158.158	-3.003
50	18	162.162	162.162	0.000
50	19	162.162	159.159	-3.003
50	20	153.153	152.152	-1.001
50	21	152.152	151.151	-1.001
50	22	158.158	161.161	3.003
50	23	162.162	160.160	-2.002
50	24	161.161	158.158	-3.003
50	25	150.150	149.149	-1.001
51	36	160.160	162.162	2.002
51	37	160.160	161.161	1.001
51	38	162.162	163.163	1.001
51	39	159.159	160.160	1.001
51	40	162.162	162.162	0.000
	Max	163.163	163.163	9.009
	Average	158.398	158.078	-0.320
	Min	149.149	149.149	-7.007
	Std Dev	3.930	3.706	2.562



24.2 _vin_uvlo_hys		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	178	mV
Min Limit	134	mV

krad	0	20	21	30	31	50	51
LL	134.000	134.000	134.000	134.000	134.000	134.000	134.000
Min	154.154	153.153	152.152	157.157	152.152	149.149	160.160
Average	158.158	157.758	157.958	158.558	155.355	157.840	161.762
Max	162.162	162.162	161.161	159.159	162.162	162.162	163.163
UL	178.000	178.000	178.000	178.000	178.000	178.000	178.000



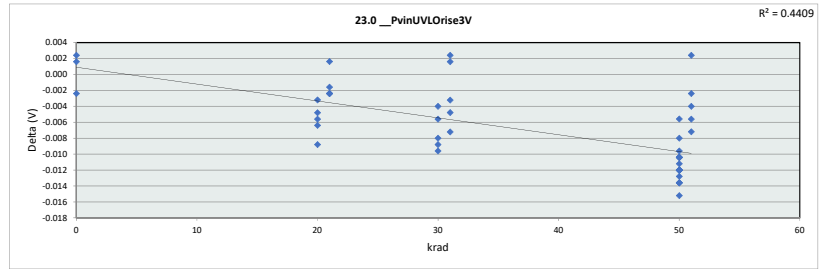
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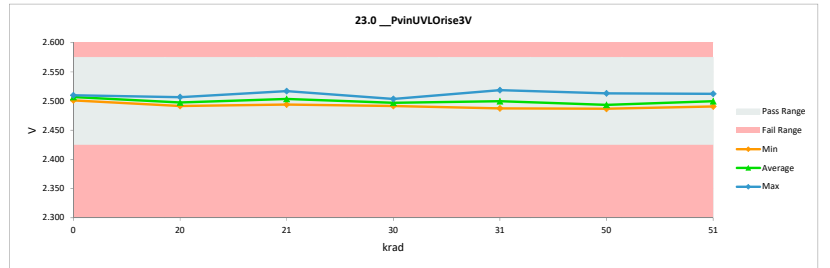
23.0_PvinUVLorise3V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	V	V
Max Limit	2.575	2.575
Min Limit	2.425	2.425

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	2.508	2.510	0.002
0	2	2.508	2.509	0.002
0	3	2.504	2.501	-0.002
20	31	2.510	2.507	-0.003
20	32	2.500	2.495	-0.006
20	33	2.505	2.499	-0.006
20	34	2.500	2.492	-0.009
20	35	2.501	2.496	-0.005
21	46	2.502	2.500	-0.002
21	47	2.516	2.517	0.002
21	48	2.508	2.506	-0.002
21	49	2.503	2.501	-0.002
21	50	2.496	2.494	-0.002
30	26	2.501	2.492	-0.010
30	27	2.508	2.504	-0.004
30	28	2.503	2.495	-0.008
30	29	2.505	2.500	-0.006
30	30	2.504	2.496	-0.009
31	41	2.503	2.504	0.002
31	42	2.491	2.488	-0.003
31	43	2.524	2.519	-0.005
31	44	2.498	2.500	0.002
31	45	2.495	2.488	-0.007
50	4	2.505	2.493	-0.012
50	5	2.508	2.496	-0.012
50	6	2.499	2.488	-0.010
50	7	2.505	2.495	-0.010
50	8	2.500	2.488	-0.012
50	9	2.504	2.490	-0.014
50	10	2.511	2.499	-0.012
50	11	2.509	2.497	-0.012
50	12	2.504	2.492	-0.012
50	13	2.499	2.487	-0.012
50	14	2.509	2.499	-0.010
50	15	2.503	2.490	-0.013
50	16	2.504	2.492	-0.012
50	17	2.504	2.491	-0.014
50	18	2.504	2.493	-0.010
50	19	2.500	2.492	-0.008
50	20	2.503	2.492	-0.011
50	21	2.502	2.492	-0.010
50	22	2.500	2.489	-0.010
50	23	2.519	2.513	-0.006
50	24	2.512	2.498	-0.014
50	25	2.508	2.492	-0.015
51	36	2.495	2.491	-0.004
51	37	2.510	2.512	0.002
51	38	2.504	2.502	-0.002
51	39	2.504	2.497	-0.007
51	40	2.502	2.496	-0.006
	Max	2.524	2.519	0.002
	Average	2.504	2.497	-0.007
	Min	2.491	2.487	-0.015
	Std Dev	0.006	0.008	0.005



23.0_PvinUVLorise3V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	2.575	V
Min Limit	2.425	V

krad	0	20	21	30	31	50	51
LL	2.425	2.425	2.425	2.425	2.425	2.425	2.425
Min	2.501	2.492	2.494	2.492	2.488	2.487	2.491
Average	2.507	2.498	2.504	2.497	2.500	2.494	2.500
Max	2.510	2.507	2.517	2.504	2.519	2.513	2.512
UL	2.575	2.575	2.575	2.575	2.575	2.575	2.575



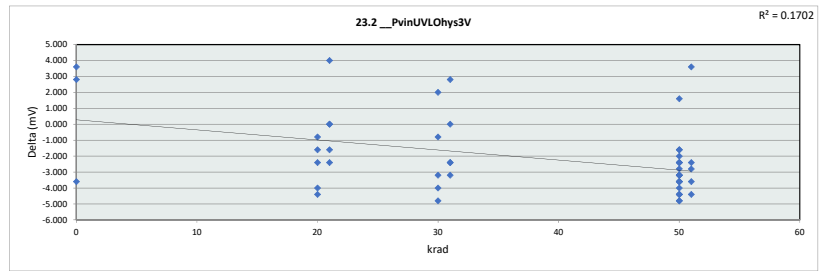
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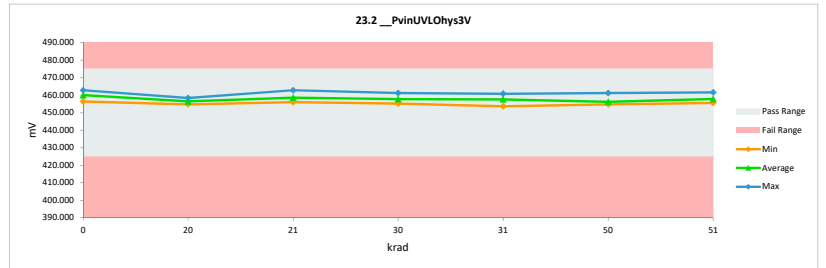
23.2_PvinUVLOhys3V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	mV	mV
Max Limit	475	475
Min Limit	425	425

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	459.260	462.863	3.603
0	2	458.058	460.861	2.803
0	3	460.060	456.456	-3.604
20	31	459.259	458.459	-0.800
20	32	459.259	454.855	-4.404
20	33	458.058	456.457	-1.601
20	34	460.460	456.457	-4.003
20	35	458.859	456.456	-2.403
21	46	458.458	456.056	-2.402
21	47	458.859	462.863	4.004
21	48	457.657	457.658	0.001
21	49	460.461	458.859	-1.602
21	50	457.657	457.658	0.001
30	26	460.060	455.256	-4.804
30	27	459.260	461.262	2.002
30	28	459.259	456.056	-3.203
30	29	460.460	459.660	-0.800
30	30	460.860	456.857	-4.003
31	41	458.058	460.860	2.802
31	42	456.857	453.654	-3.203
31	43	462.062	459.660	-2.402
31	44	459.259	459.259	0.000
31	45	457.257	454.855	-2.402
50	4	460.460	455.655	-4.805
50	5	458.858	455.255	-3.603
50	6	460.060	456.856	-3.204
50	7	459.259	454.855	-4.404
50	8	460.460	455.655	-4.805
50	9	457.658	456.056	-1.602
50	10	458.859	456.457	-2.402
50	11	458.458	456.056	-2.402
50	12	460.060	456.457	-3.603
50	13	458.859	456.457	-2.402
50	14	458.458	455.255	-3.203
50	15	459.259	456.056	-3.203
50	16	458.458	454.854	-3.604
50	17	458.458	455.656	-2.802
50	18	458.859	456.857	-2.002
50	19	460.861	456.457	-4.404
50	20	460.461	456.457	-4.004
50	21	459.660	456.056	-3.604
50	22	459.660	456.456	-3.204
50	23	459.660	461.261	1.601
50	24	458.459	456.857	-1.602
50	25	459.260	454.854	-4.406
51	36	458.459	455.656	-2.803
51	37	458.058	461.661	3.603
51	38	460.860	458.458	-2.402
51	39	460.860	457.257	-3.603
51	40	460.861	456.456	-4.405
	Max	462.062	462.863	4.004
	Average	459.267	457.193	-2.074
	Min	456.857	453.654	-4.805
	Std Dev	1.116	2.222	2.392



23.2_PvinUVLOhys3V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	475	mV
Min Limit	425	mV

krad	0	20	21	30	31	50	51
LL	425.000	425.000	425.000	425.000	425.000	425.000	425.000
Min	456.456	454.855	456.056	455.256	453.654	454.854	455.656
Average	460.060	456.537	458.619	457.818	457.658	456.220	457.898
Max	462.863	458.459	462.863	461.262	460.860	461.261	461.661
UL	475.000	475.000	475.000	475.000	475.000	475.000	475.000



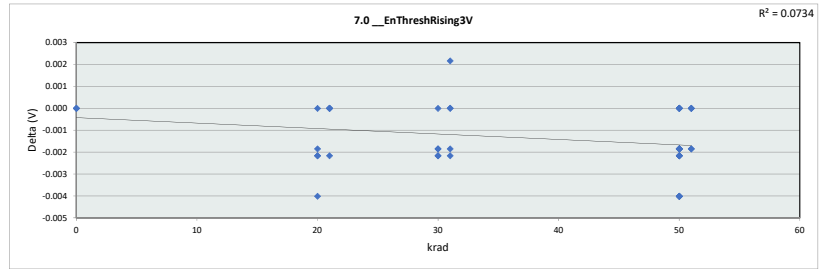
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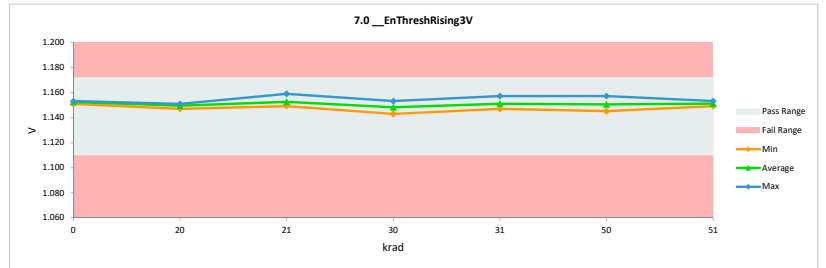
7.0_EnThreshRising3V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	V	V
Max Limit	1.172	1.172
Min Limit	1.11	1.11

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	1.153	1.153	0.000
0	2	1.151	1.151	0.000
0	3	1.153	1.153	0.000
20	31	1.151	1.149	-0.002
20	32	1.153	1.151	-0.002
20	33	1.151	1.147	-0.004
20	34	1.149	1.149	0.000
20	35	1.153	1.151	-0.002
21	46	1.153	1.153	0.000
21	47	1.159	1.159	0.000
21	48	1.151	1.151	0.000
21	49	1.153	1.151	-0.002
21	50	1.149	1.149	0.000
30	26	1.153	1.151	-0.002
30	27	1.151	1.149	-0.002
30	28	1.145	1.143	-0.002
30	29	1.153	1.153	0.000
30	30	1.147	1.145	-0.002
31	41	1.153	1.151	-0.002
31	42	1.147	1.147	0.000
31	43	1.155	1.157	0.002
31	44	1.151	1.149	-0.002
31	45	1.151	1.151	0.000
50	4	1.151	1.151	0.000
50	5	1.155	1.151	-0.004
50	6	1.157	1.153	-0.004
50	7	1.147	1.145	-0.002
50	8	1.151	1.149	-0.002
50	9	1.155	1.153	-0.002
50	10	1.149	1.149	0.000
50	11	1.153	1.151	-0.002
50	12	1.153	1.151	-0.002
50	13	1.151	1.151	0.000
50	14	1.151	1.147	-0.004
50	15	1.153	1.149	-0.004
50	16	1.151	1.151	0.000
50	17	1.151	1.149	-0.002
50	18	1.153	1.151	-0.002
50	19	1.153	1.151	-0.002
50	20	1.151	1.149	-0.002
50	21	1.149	1.149	0.000
50	22	1.151	1.151	0.000
50	23	1.159	1.157	-0.002
50	24	1.153	1.149	-0.004
50	25	1.155	1.153	-0.002
51	36	1.151	1.151	0.000
51	37	1.155	1.153	-0.002
51	38	1.151	1.149	-0.002
51	39	1.149	1.149	0.000
51	40	1.153	1.153	0.000
Max		1.159	1.159	0.002
Average		1.152	1.151	-0.001
Min		1.145	1.143	-0.004
Std Dev		0.003	0.003	0.001



7.0_EnThreshRising3V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	1.172	V
Min Limit	1.11	V

krad	0	20	21	30	31	50	51
LL	1.110	1.110	1.110	1.110	1.110	1.110	1.110
Min	1.151	1.147	1.149	1.143	1.147	1.145	1.149
Average	1.153	1.150	1.153	1.148	1.151	1.151	1.151
Max	1.153	1.151	1.159	1.153	1.157	1.157	1.153
UL	1.172	1.172	1.172	1.172	1.172	1.172	1.172



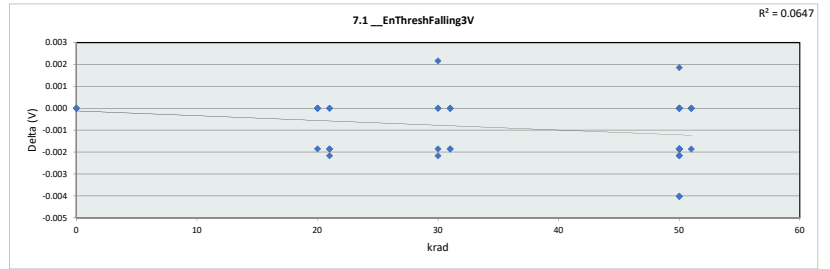
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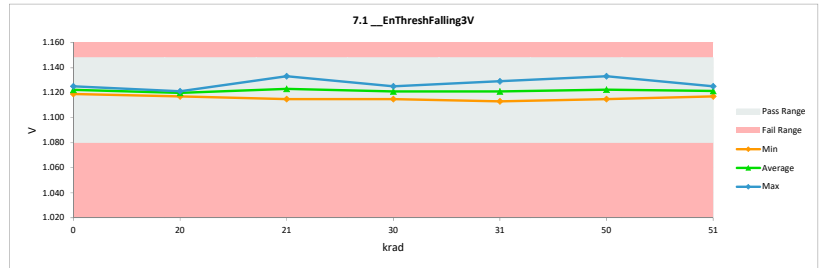
7.1_EnThreshFalling3V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	V	V
Max Limit	1.148	1.148
Min Limit	1.08	1.08

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	1.125	1.125	0.000
0	2	1.119	1.119	0.000
0	3	1.123	1.123	0.000
20	31	1.117	1.117	0.000
20	32	1.123	1.121	-0.002
20	33	1.119	1.119	0.000
20	34	1.121	1.121	0.000
20	35	1.121	1.121	0.000
21	46	1.123	1.121	-0.002
21	47	1.135	1.133	-0.002
21	48	1.123	1.123	0.000
21	49	1.123	1.123	0.000
21	50	1.117	1.115	-0.002
30	26	1.123	1.123	0.000
30	27	1.123	1.125	0.002
30	28	1.117	1.115	-0.002
30	29	1.123	1.121	-0.002
30	30	1.121	1.121	0.000
31	41	1.123	1.123	0.000
31	42	1.115	1.113	-0.002
31	43	1.131	1.129	-0.002
31	44	1.117	1.117	0.000
31	45	1.123	1.123	0.000
50	4	1.123	1.121	-0.002
50	5	1.125	1.121	-0.004
50	6	1.125	1.125	0.000
50	7	1.115	1.115	0.000
50	8	1.119	1.117	-0.002
50	9	1.127	1.125	-0.002
50	10	1.127	1.125	-0.002
50	11	1.123	1.123	0.000
50	12	1.121	1.121	0.000
50	13	1.125	1.121	-0.004
50	14	1.125	1.123	-0.002
50	15	1.123	1.123	0.000
50	16	1.121	1.123	0.002
50	17	1.121	1.119	-0.002
50	18	1.123	1.121	-0.002
50	19	1.129	1.127	-0.002
50	20	1.123	1.121	-0.002
50	21	1.123	1.121	-0.002
50	22	1.123	1.123	0.000
50	23	1.135	1.133	-0.002
50	24	1.119	1.115	-0.004
50	25	1.129	1.129	0.000
51	36	1.119	1.119	0.000
51	37	1.123	1.123	0.000
51	38	1.123	1.123	0.000
51	39	1.117	1.117	0.000
51	40	1.127	1.125	-0.002
	Max	1.135	1.133	0.002
	Average	1.123	1.122	-0.001
	Min	1.115	1.113	-0.004
	Std Dev	0.004	0.004	0.001



7.1_EnThreshFalling3V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	1.148	V
Min Limit	1.08	V

krad	0	20	21	30	31	50	51
LL	1.080	1.080	1.080	1.080	1.080	1.080	1.080
Min	1.119	1.117	1.115	1.115	1.113	1.115	1.117
Average	1.122	1.120	1.123	1.121	1.121	1.122	1.121
Max	1.125	1.121	1.133	1.125	1.129	1.133	1.125
UL	1.148	1.148	1.148	1.148	1.148	1.148	1.148



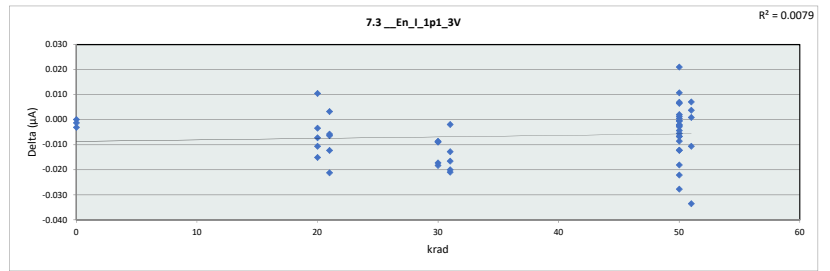
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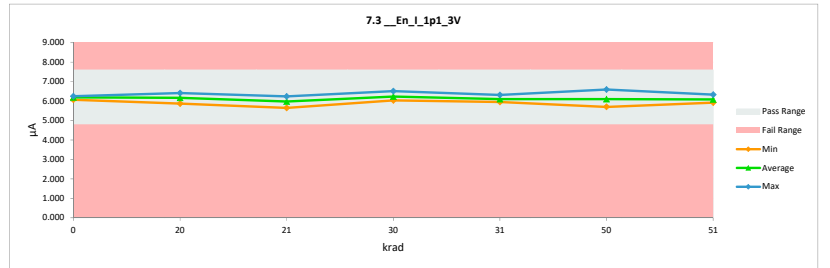
7.3 En I 1p1 3V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	µA	µA
Max Limit	7.6	7.6
Min Limit	4.8	4.8

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	6.252	6.249	-0.003
0	2	6.252	6.251	-0.001
0	3	6.071	6.071	0.000
20	31	6.403	6.392	-0.011
20	32	5.859	5.869	0.010
20	33	6.422	6.415	-0.007
20	34	6.211	6.196	-0.015
20	35	5.956	5.953	-0.003
21	46	5.851	5.830	-0.021
21	47	5.665	5.653	-0.012
21	48	6.176	6.170	-0.006
21	49	5.984	5.978	-0.006
21	50	6.237	6.240	0.003
30	26	6.135	6.126	-0.009
30	27	6.354	6.345	-0.009
30	28	6.524	6.515	-0.009
30	29	6.173	6.156	-0.017
30	30	6.055	6.037	-0.018
31	41	6.036	6.023	-0.013
31	42	6.270	6.253	-0.017
31	43	5.972	5.951	-0.021
31	44	6.339	6.319	-0.020
31	45	5.972	5.970	-0.002
50	4	6.226	6.226	0.000
50	5	6.089	6.110	0.021
50	6	6.036	6.031	-0.005
50	7	6.354	6.326	-0.028
50	8	6.220	6.202	-0.018
50	9	5.896	5.884	-0.012
50	10	6.382	6.393	0.011
50	11	6.126	6.127	0.001
50	12	6.214	6.221	0.007
50	13	5.927	5.926	-0.001
50	14	6.241	6.238	-0.003
50	15	5.975	5.977	0.002
50	16	5.817	5.824	0.007
50	17	6.139	6.132	-0.007
50	18	6.305	6.303	-0.002
50	19	5.964	5.942	-0.022
50	20	6.082	6.073	-0.009
50	21	6.206	6.207	0.001
50	22	6.097	6.085	-0.012
50	23	5.710	5.703	-0.007
50	24	6.595	6.593	-0.002
50	25	5.768	5.764	-0.004
51	36	6.138	6.127	-0.011
51	37	6.086	6.052	-0.034
51	38	5.990	5.994	0.004
51	39	6.333	6.334	0.001
51	40	5.913	5.920	0.007
	Max	6.595	6.593	0.021
	Average	6.120	6.114	-0.006
	Min	5.665	5.653	-0.034
	Std Dev	0.204	0.204	0.010



7.3 En I 1p1 3V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	7.6	µA
Min Limit	4.8	µA

krad	0	20	21	30	31	50	51
LL	4.800	4.800	4.800	4.800	4.800	4.800	4.800
Min	6.071	5.869	5.653	6.037	5.951	5.703	5.920
Average	6.190	6.165	5.974	6.236	6.103	6.104	6.086
Max	6.251	6.415	6.240	6.515	6.319	6.593	6.334
UL	7.600	7.600	7.600	7.600	7.600	7.600	7.600



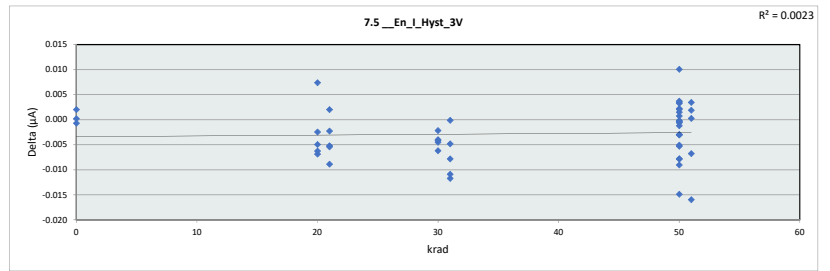
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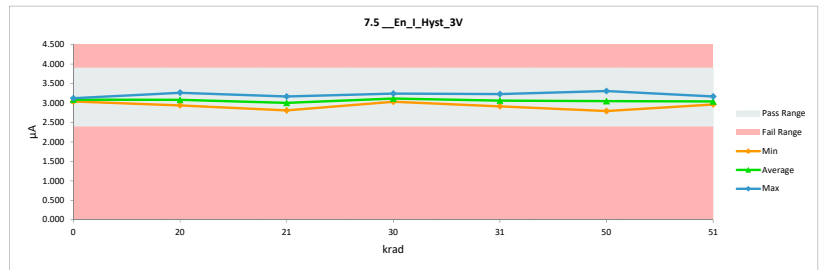
7.5 _En_I_Hyst_3V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	µA	µA
Max Limit	3.9	3.9
Min Limit	2.4	2.4

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	3.098	3.097	-0.001
0	2	3.126	3.126	0.000
0	3	3.040	3.042	0.002
20	31	3.273	3.267	-0.006
20	32	2.957	2.964	0.007
20	33	3.172	3.170	-0.002
20	34	3.084	3.077	-0.007
20	35	2.948	2.943	-0.005
21	46	2.904	2.895	-0.009
21	47	2.819	2.814	-0.005
21	48	3.114	3.112	-0.002
21	49	3.033	3.028	-0.005
21	50	3.168	3.170	0.002
30	26	3.061	3.059	-0.002
30	27	3.156	3.151	-0.005
30	28	3.249	3.245	-0.004
30	29	3.102	3.098	-0.004
30	30	3.041	3.035	-0.006
31	41	3.038	3.033	-0.005
31	42	3.126	3.118	-0.008
31	43	2.930	2.918	-0.012
31	44	3.242	3.231	-0.011
31	45	3.029	3.029	0.000
50	4	3.203	3.203	0.000
50	5	3.018	3.028	0.010
50	6	3.003	3.000	-0.003
50	7	3.161	3.146	-0.015
50	8	3.079	3.070	-0.009
50	9	2.989	2.984	-0.005
50	10	3.132	3.134	0.002
50	11	3.069	3.068	-0.001
50	12	3.109	3.113	0.004
50	13	2.940	2.941	0.001
50	14	3.127	3.127	0.000
50	15	2.978	2.982	0.004
50	16	2.871	2.873	0.002
50	17	3.042	3.042	0.000
50	18	3.239	3.236	-0.003
50	19	2.964	2.956	-0.008
50	20	3.059	3.054	-0.005
50	21	3.128	3.131	0.003
50	22	3.070	3.062	-0.008
50	23	2.798	2.795	-0.003
50	24	3.311	3.310	-0.001
50	25	2.866	2.868	0.002
51	36	3.052	3.045	-0.007
51	37	3.073	3.057	-0.016
51	38	2.976	2.978	0.002
51	39	3.170	3.170	0.000
51	40	2.964	2.967	0.003
	Max	3.311	3.310	0.010
	Average	3.062	3.059	-0.003
	Min	2.798	2.795	-0.016
	Std Dev	0.115	0.114	0.005



7.5 _En_I_Hyst_3V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	3.9	µA
Min Limit	2.4	µA

krad	0	20	21	30	31	50	51
LL	2.400	2.400	2.400	2.400	2.400	2.400	2.400
Min	3.042	2.943	2.814	3.035	2.918	2.795	2.967
Average	3.089	3.084	3.004	3.118	3.066	3.051	3.044
Max	3.126	3.267	3.170	3.245	3.231	3.310	3.170
UL	3.900	3.900	3.900	3.900	3.900	3.900	3.900





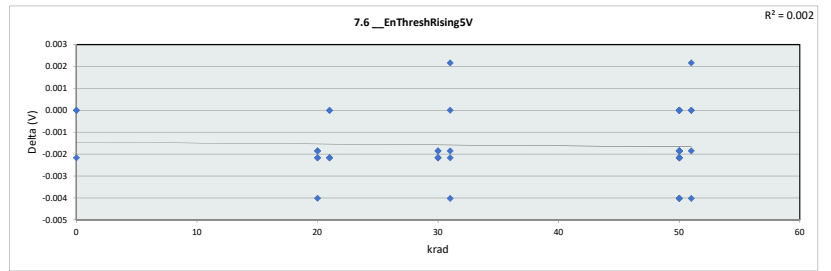
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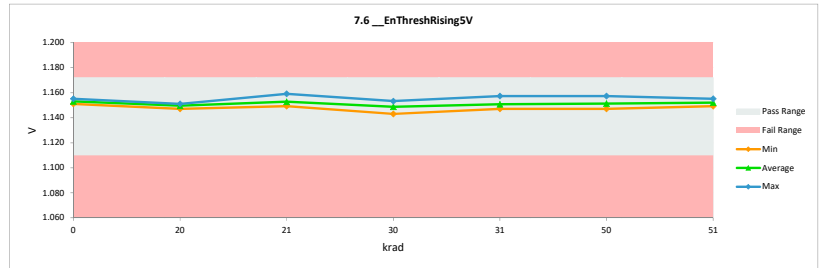
7.6_EnThreshRising5V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	V	V
Max Limit	1.172	1.172
Min Limit	1.11	1.11

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	1.153	1.153	0.000
0	2	1.153	1.151	-0.002
0	3	1.155	1.155	0.000
20	31	1.151	1.149	-0.002
20	32	1.153	1.151	-0.002
20	33	1.151	1.147	-0.004
20	34	1.151	1.149	-0.002
20	35	1.153	1.151	-0.002
21	46	1.153	1.153	0.000
21	47	1.161	1.159	-0.002
21	48	1.153	1.151	-0.002
21	49	1.153	1.151	-0.002
21	50	1.149	1.149	0.000
30	26	1.153	1.151	-0.002
30	27	1.151	1.149	-0.002
30	28	1.145	1.143	-0.002
30	29	1.155	1.153	-0.002
30	30	1.149	1.147	-0.002
31	41	1.153	1.151	-0.002
31	42	1.147	1.147	0.000
31	43	1.155	1.157	0.002
31	44	1.151	1.149	-0.002
31	45	1.153	1.149	-0.004
50	4	1.153	1.151	-0.002
50	5	1.155	1.153	-0.002
50	6	1.157	1.155	-0.002
50	7	1.147	1.147	0.000
50	8	1.151	1.149	-0.002
50	9	1.155	1.153	-0.002
50	10	1.151	1.149	-0.002
50	11	1.153	1.151	-0.002
50	12	1.153	1.153	0.000
50	13	1.151	1.151	0.000
50	14	1.151	1.147	-0.004
50	15	1.153	1.149	-0.004
50	16	1.153	1.151	-0.002
50	17	1.151	1.149	-0.002
50	18	1.153	1.153	0.000
50	19	1.153	1.151	-0.002
50	20	1.153	1.149	-0.004
50	21	1.151	1.149	-0.002
50	22	1.153	1.153	0.000
50	23	1.159	1.157	-0.002
50	24	1.153	1.149	-0.004
50	25	1.155	1.155	0.000
51	36	1.151	1.153	0.002
51	37	1.155	1.155	0.000
51	38	1.153	1.149	-0.004
51	39	1.151	1.149	-0.002
51	40	1.153	1.153	0.000
	Max	1.161	1.159	0.002
	Average	1.153	1.151	-0.002
	Min	1.145	1.143	-0.004
	Std Dev	0.003	0.003	0.001



7.6_EnThreshRising5V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	1.172	V
Min Limit	1.11	V

krad	0	20	21	30	31	50	51
LL	1.110	1.110	1.110	1.110	1.110	1.110	1.110
Min	1.151	1.147	1.149	1.143	1.147	1.147	1.149
Average	1.153	1.150	1.153	1.149	1.151	1.151	1.152
Max	1.155	1.151	1.159	1.153	1.157	1.157	1.155
UL	1.172	1.172	1.172	1.172	1.172	1.172	1.172



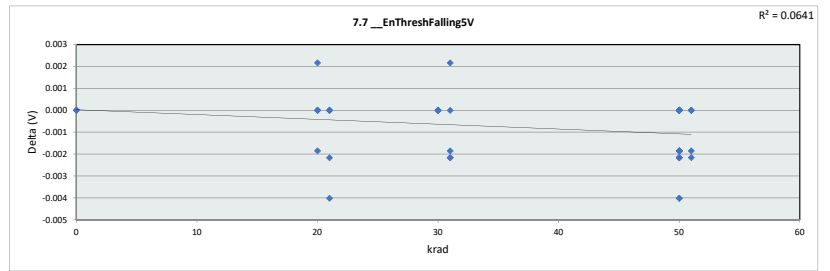
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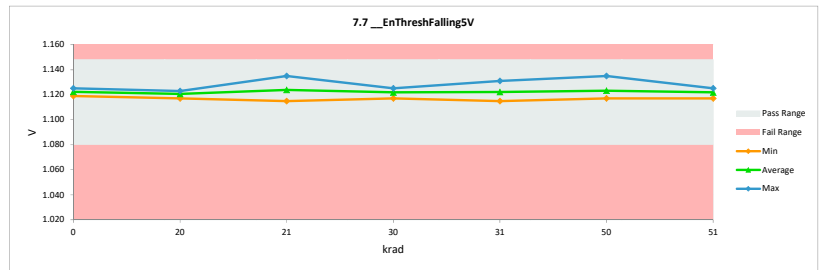
7.7_EnThreshFalling5V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	V	V
Max Limit	1.148	1.148
Min Limit	1.08	1.08

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	1.125	1.125	0.000
0	2	1.119	1.119	0.000
0	3	1.123	1.123	0.000
20	31	1.117	1.117	0.000
20	32	1.123	1.123	0.000
20	33	1.119	1.121	0.002
20	34	1.121	1.121	0.000
20	35	1.123	1.121	-0.002
21	46	1.125	1.121	-0.004
21	47	1.135	1.135	0.000
21	48	1.125	1.125	0.000
21	49	1.123	1.123	0.000
21	50	1.117	1.115	-0.002
30	26	1.123	1.123	0.000
30	27	1.125	1.125	0.000
30	28	1.117	1.117	0.000
30	29	1.123	1.123	0.000
30	30	1.121	1.121	0.000
31	41	1.123	1.125	0.002
31	42	1.117	1.115	-0.002
31	43	1.131	1.131	0.000
31	44	1.119	1.117	-0.002
31	45	1.125	1.123	-0.002
50	4	1.125	1.121	-0.004
50	5	1.125	1.123	-0.002
50	6	1.125	1.125	0.000
50	7	1.117	1.117	0.000
50	8	1.119	1.119	0.000
50	9	1.127	1.125	-0.002
50	10	1.127	1.125	-0.002
50	11	1.125	1.123	-0.002
50	12	1.123	1.123	0.000
50	13	1.125	1.121	-0.004
50	14	1.125	1.123	-0.002
50	15	1.123	1.123	0.000
50	16	1.123	1.123	0.000
50	17	1.121	1.119	-0.002
50	18	1.123	1.121	-0.002
50	19	1.129	1.129	0.000
50	20	1.123	1.121	-0.002
50	21	1.123	1.123	0.000
50	22	1.125	1.125	0.000
50	23	1.135	1.135	0.000
50	24	1.119	1.117	-0.002
50	25	1.129	1.129	0.000
51	36	1.121	1.121	0.000
51	37	1.123	1.123	0.000
51	38	1.125	1.123	-0.002
51	39	1.117	1.117	0.000
51	40	1.127	1.125	-0.002
	Max	1.135	1.135	0.002
	Average	1.123	1.123	-0.001
	Min	1.117	1.115	-0.004
	Std Dev	0.004	0.004	0.001



7.7_EnThreshFalling5V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	1.148	V
Min Limit	1.08	V

krad	0	20	21	30	31	50	51
LL	1.080	1.080	1.080	1.080	1.080	1.080	1.080
Min	1.119	1.117	1.115	1.117	1.115	1.117	1.117
Average	1.122	1.121	1.124	1.122	1.122	1.123	1.122
Max	1.125	1.123	1.135	1.125	1.131	1.135	1.125
UL	1.148	1.148	1.148	1.148	1.148	1.148	1.148



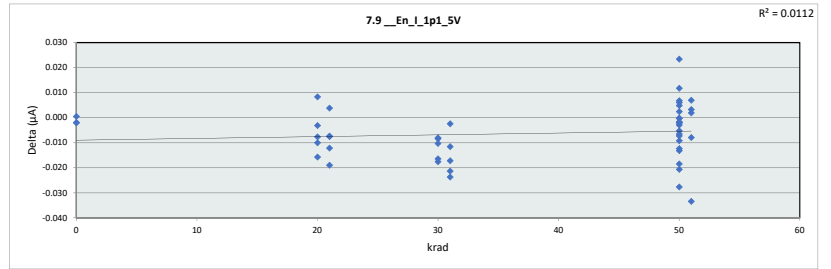
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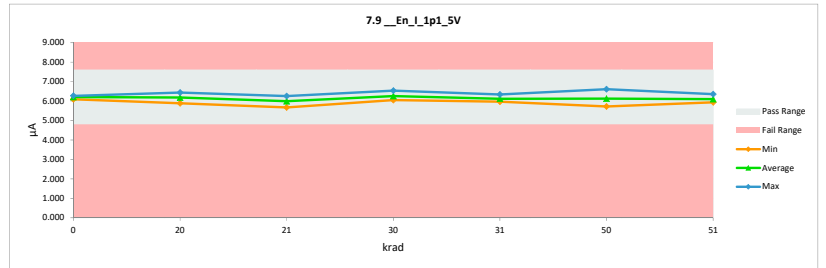
7.9 En I 1p1 5V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	µA	µA
Max Limit	7.6	7.6
Min Limit	4.8	4.8

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	6.270	6.268	-0.002
0	2	6.272	6.270	-0.002
0	3	6.089	6.089	0.000
20	31	6.422	6.412	-0.010
20	32	5.880	5.888	0.008
20	33	6.443	6.435	-0.008
20	34	6.231	6.215	-0.016
20	35	5.975	5.972	-0.003
21	46	5.868	5.849	-0.019
21	47	5.684	5.672	-0.012
21	48	6.194	6.187	-0.007
21	49	6.004	5.996	-0.008
21	50	6.256	6.260	0.004
30	26	6.154	6.146	-0.008
30	27	6.373	6.365	-0.008
30	28	6.545	6.535	-0.010
30	29	6.192	6.176	-0.016
30	30	6.073	6.055	-0.018
31	41	6.054	6.042	-0.012
31	42	6.291	6.274	-0.017
31	43	5.992	5.968	-0.024
31	44	6.360	6.339	-0.021
31	45	5.992	5.990	-0.002
50	4	6.245	6.243	-0.002
50	5	6.107	6.130	0.023
50	6	6.055	6.048	-0.007
50	7	6.374	6.346	-0.028
50	8	6.239	6.221	-0.018
50	9	5.916	5.904	-0.012
50	10	6.401	6.413	0.012
50	11	6.146	6.146	0.000
50	12	6.232	6.238	0.006
50	13	5.945	5.945	0.000
50	14	6.260	6.257	-0.003
50	15	5.991	5.996	0.005
50	16	5.835	5.842	0.007
50	17	6.157	6.152	-0.005
50	18	6.323	6.321	-0.002
50	19	5.982	5.961	-0.021
50	20	6.101	6.092	-0.009
50	21	6.225	6.227	0.002
50	22	6.117	6.104	-0.013
50	23	5.728	5.721	-0.007
50	24	6.615	6.613	-0.002
50	25	5.784	5.782	-0.002
51	36	6.156	6.148	-0.008
51	37	6.105	6.072	-0.033
51	38	6.009	6.012	0.003
51	39	6.353	6.355	0.002
51	40	5.932	5.939	0.007
	Max	6.615	6.613	0.023
	Average	6.139	6.133	-0.006
	Min	5.684	5.672	-0.033
	Std Dev	0.205	0.204	0.011



7.9 En I 1p1 5V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	7.6	µA
Min Limit	4.8	µA

krad	0	20	21	30	31	50	51
LL	4.800	4.800	4.800	4.800	4.800	4.800	4.800
Min	6.089	5.888	5.672	6.055	5.968	5.721	5.939
Average	6.209	6.185	5.993	6.255	6.123	6.123	6.105
Max	6.270	6.435	6.260	6.535	6.339	6.613	6.355
UL	7.600	7.600	7.600	7.600	7.600	7.600	7.600



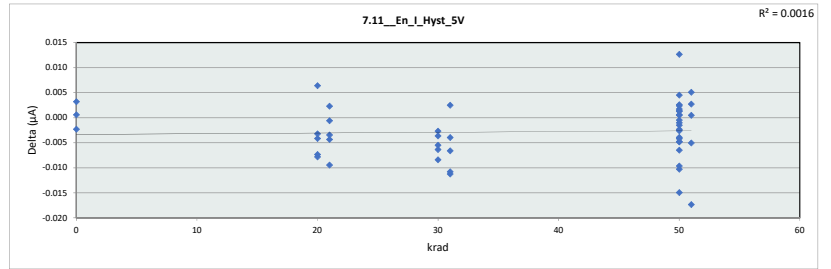
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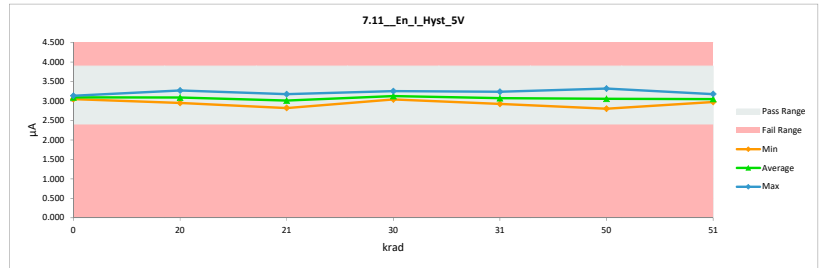
7.11 En I Hyst 5V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	µA	µA
Max Limit	3.9	3.9
Min Limit	2.4	2.4

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	3.109	3.107	-0.002
0	2	3.135	3.136	0.001
0	3	3.048	3.051	0.003
20	31	3.282	3.274	-0.008
20	32	2.967	2.973	0.006
20	33	3.183	3.180	-0.003
20	34	3.094	3.087	-0.007
20	35	2.957	2.953	-0.004
21	46	2.913	2.904	-0.009
21	47	2.827	2.823	-0.004
21	48	3.124	3.123	-0.001
21	49	3.041	3.038	-0.003
21	50	3.177	3.179	0.002
30	26	3.071	3.067	-0.004
30	27	3.166	3.161	-0.005
30	28	3.259	3.256	-0.003
30	29	3.115	3.107	-0.008
30	30	3.050	3.044	-0.006
31	41	3.047	3.043	-0.004
31	42	3.135	3.128	-0.007
31	43	2.938	2.927	-0.011
31	44	3.252	3.241	-0.011
31	45	3.036	3.038	0.002
50	4	3.213	3.213	0.000
50	5	3.023	3.036	0.013
50	6	3.012	3.008	-0.004
50	7	3.170	3.155	-0.015
50	8	3.091	3.081	-0.010
50	9	2.998	2.993	-0.005
50	10	3.141	3.144	0.003
50	11	3.079	3.077	-0.002
50	12	3.118	3.122	0.004
50	13	2.948	2.949	0.001
50	14	3.137	3.136	-0.001
50	15	2.988	2.989	0.001
50	16	2.881	2.883	0.002
50	17	3.053	3.049	-0.004
50	18	3.249	3.246	-0.003
50	19	2.974	2.964	-0.010
50	20	3.067	3.066	-0.001
50	21	3.137	3.139	0.002
50	22	3.078	3.072	-0.006
50	23	2.808	2.803	-0.005
50	24	3.319	3.320	0.001
50	25	2.875	2.876	0.001
51	36	3.061	3.056	-0.005
51	37	3.082	3.065	-0.017
51	38	2.985	2.988	0.003
51	39	3.180	3.180	0.000
51	40	2.972	2.977	0.005
	Max	3.319	3.320	0.013
	Average	3.071	3.068	-0.003
	Min	2.808	2.803	-0.017
	Std Dev	0.115	0.114	0.006



7.11 En I Hyst 5V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	3.9	µA
Min Limit	2.4	µA

	krad	0	20	21	30	31	50	51
LL		2.400	2.400	2.400	2.400	2.400	2.400	2.400
Min		3.051	2.953	2.823	3.044	2.927	2.803	2.977
Average		3.098	3.093	3.013	3.127	3.076	3.060	3.053
Max		3.136	3.274	3.179	3.256	3.241	3.320	3.180
UL		3.900	3.900	3.900	3.900	3.900	3.900	3.900



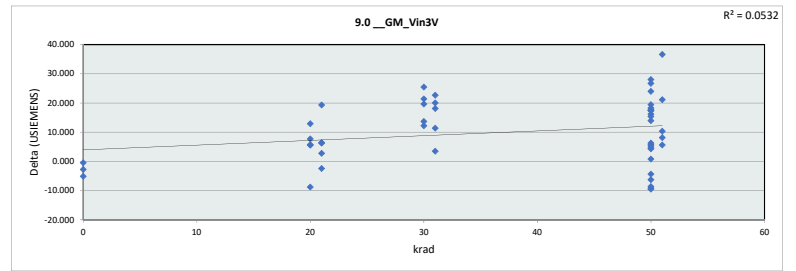
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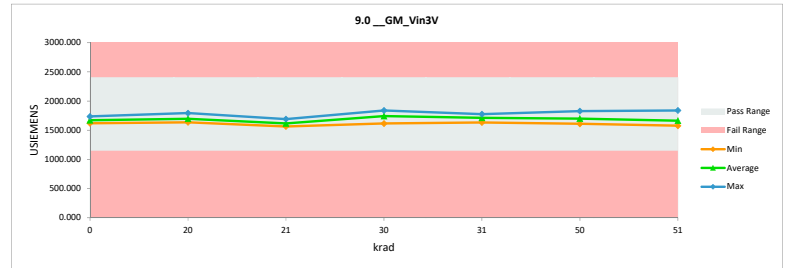
9.0 GM Vin3V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	USIEMENS	USIEMENS
Max Limit	2400	2400
Min Limit	1150	1150

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	1741.273	1736.175	-5.098
0	2	1620.207	1619.770	-0.437
0	3	1662.773	1660.025	-2.748
20	31	1780.963	1793.888	12.925
20	32	1656.793	1664.531	7.738
20	33	1646.775	1652.504	5.729
20	34	1740.569	1731.771	-8.798
20	35	1629.883	1635.478	5.595
21	46	1617.460	1620.262	2.802
21	47	1576.361	1582.771	6.410
21	48	1684.611	1690.923	6.312
21	49	1568.168	1565.746	-2.422
21	50	1601.214	1620.519	19.305
30	26	1721.324	1746.762	25.438
30	27	1751.000	1772.380	21.380
30	28	1826.471	1838.650	12.179
30	29	1724.797	1744.446	19.649
30	30	1601.119	1614.790	13.671
31	41	1689.783	1709.802	20.019
31	42	1772.730	1776.249	3.519
31	43	1734.505	1745.885	11.380
31	44	1671.355	1694.016	22.661
31	45	1615.414	1633.517	18.103
50	4	1691.971	1710.253	18.282
50	5	1810.854	1827.075	16.221
50	6	1687.053	1713.764	26.711
50	7	1687.975	1683.623	-4.352
50	8	1700.858	1691.661	-9.197
50	9	1783.401	1774.788	-8.613
50	10	1636.411	1641.024	4.613
50	11	1679.005	1696.403	17.398
50	12	1747.856	1753.613	5.757
50	13	1715.934	1731.331	15.397
50	14	1736.240	1740.549	4.309
50	15	1605.343	1622.754	17.411
50	16	1631.550	1659.602	28.052
50	17	1662.927	1663.719	0.792
50	18	1787.850	1778.370	-9.480
50	19	1705.711	1723.346	17.635
50	20	1586.078	1610.049	23.971
50	21	1694.102	1713.549	19.447
50	22	1678.788	1684.098	5.310
50	23	1630.666	1624.386	-6.280
50	24	1662.379	1676.310	13.931
50	25	1635.843	1642.124	6.281
51	36	1639.079	1644.722	5.643
51	37	1587.092	1597.417	10.325
51	38	1639.365	1660.507	21.142
51	39	1801.467	1838.085	36.618
51	40	1568.582	1576.737	8.155
	Max	1826.471	1838.650	36.618
	Average	1680.599	1690.614	10.016
	Min	1568.168	1565.746	-9.480
	Std Dev	67.638	68.489	10.976



9.0 GM Vin3V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	2400	USIEMENS
Min Limit	1150	USIEMENS

krad	0	20	21	30	31	50	51
LL	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000
Min	1619.770	1635.478	1565.746	1614.790	1633.517	1610.049	1576.737
Average	1671.990	1695.634	1616.044	1743.405	1711.894	1698.291	1663.494
Max	1736.175	1793.888	1690.923	1838.650	1776.249	1827.075	1838.085
UL	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000



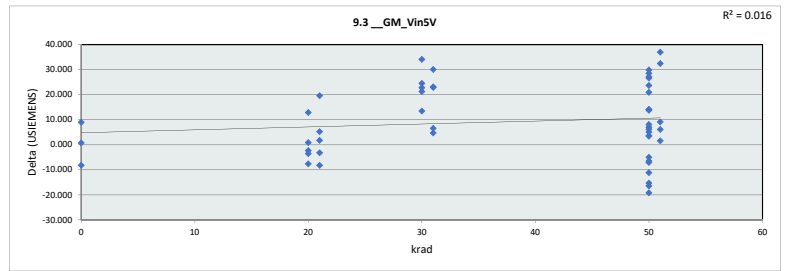
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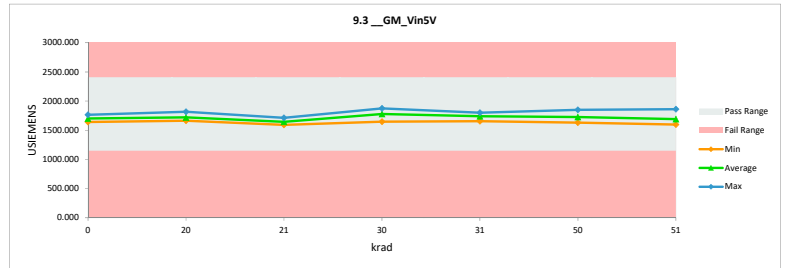
9.3 GM Vin5V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	USIEMENS	USIEMENS
Max Limit	2400	2400
Min Limit	1150	1150

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	1774.114	1765.910	-8.204
0	2	1641.939	1642.700	0.761
0	3	1684.284	1693.245	8.961
20	31	1804.124	1816.981	12.857
20	32	1689.611	1687.273	-2.338
20	33	1678.808	1675.268	-3.540
20	34	1762.556	1754.888	-7.668
20	35	1663.145	1664.029	0.884
21	46	1650.251	1642.057	-8.194
21	47	1608.197	1613.400	5.203
21	48	1717.307	1714.075	-3.232
21	49	1590.746	1592.522	1.776
21	50	1634.232	1653.816	19.584
30	26	1745.863	1779.982	34.119
30	27	1785.291	1808.400	22.749
30	28	1850.251	1874.745	24.494
30	29	1757.430	1778.667	21.236
30	30	1632.922	1646.344	13.422
31	41	1712.698	1742.777	30.079
31	42	1795.583	1800.274	4.691
31	43	1757.290	1780.378	23.088
31	44	1704.474	1727.401	22.927
31	45	1647.735	1654.305	6.570
50	4	1713.523	1743.365	29.843
50	5	1847.144	1850.589	3.445
50	6	1719.371	1746.510	27.139
50	7	1709.642	1716.623	6.981
50	8	1733.539	1714.360	-19.179
50	9	1819.872	1803.393	-16.479
50	10	1658.372	1661.991	3.619
50	11	1701.027	1729.561	28.534
50	12	1783.273	1776.212	-7.061
50	13	1749.506	1763.590	14.084
50	14	1770.613	1764.141	-6.472
50	15	1628.829	1655.458	26.630
50	16	1662.840	1686.521	23.681
50	17	1697.655	1686.483	-11.172
50	18	1822.590	1807.313	-15.277
50	19	1728.740	1749.652	20.912
50	20	1616.726	1630.732	14.006
50	21	1728.007	1736.092	8.085
50	22	1712.058	1718.245	6.187
50	23	1663.124	1658.076	-5.048
50	24	1683.011	1696.792	13.781
50	25	1668.052	1673.106	5.054
51	36	1670.389	1676.460	6.071
51	37	1617.862	1619.428	1.566
51	38	1662.642	1695.052	32.410
51	39	1824.232	1861.226	36.994
51	40	1589.657	1598.742	9.085
	Max	1850.251	1874.745	36.994
	Average	1709.423	1718.576	9.153
	Min	1589.657	1592.522	-19.179
	Std Dev	68.102	69.331	14.447



9.3 GM Vin5V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	2400	USIEMENS
Min Limit	1150	USIEMENS

krad	0	20	21	30	31	50	51
LL	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000
Min	1642.700	1664.029	1592.522	1646.344	1654.305	1630.732	1598.742
Average	1700.618	1719.688	1643.174	1777.555	1741.027	1725.855	1690.182
Max	1765.910	1816.981	1714.075	1874.745	1800.274	1850.589	1861.226
UL	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000



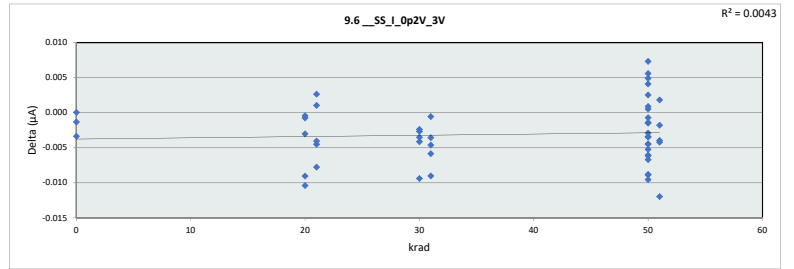
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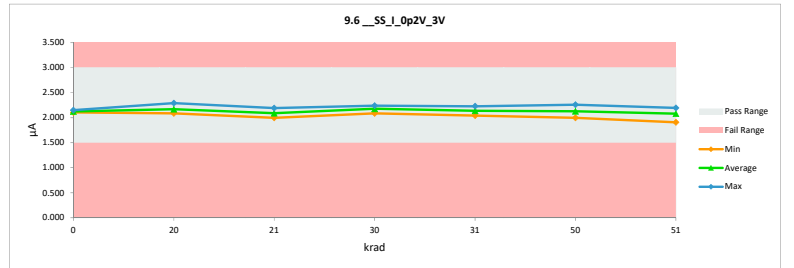
9.6_SS_I_0p2V_3V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	µA	µA
Max Limit	3	3
Min Limit	1.5	1.5

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	2.109	2.106	-0.003
0	2	2.153	2.152	-0.001
0	3	2.125	2.125	0.000
20	31	2.292	2.292	0.000
20	32	2.095	2.094	-0.001
20	33	2.195	2.186	-0.009
20	34	2.201	2.191	-0.010
20	35	2.092	2.089	-0.003
21	46	2.077	2.073	-0.004
21	47	2.002	1.997	-0.005
21	48	2.202	2.194	-0.008
21	49	2.049	2.050	0.001
21	50	2.137	2.140	0.003
30	26	2.189	2.180	-0.009
30	27	2.177	2.173	-0.004
30	28	2.217	2.215	-0.002
30	29	2.244	2.241	-0.003
30	30	2.091	2.087	-0.004
31	41	2.234	2.230	-0.004
31	42	2.135	2.134	-0.001
31	43	2.139	2.130	-0.009
31	44	2.158	2.153	-0.005
31	45	2.048	2.042	-0.006
50	4	2.120	2.117	-0.003
50	5	2.143	2.140	-0.003
50	6	2.140	2.141	0.001
50	7	2.154	2.153	-0.001
50	8	2.040	2.030	-0.010
50	9	2.226	2.217	-0.009
50	10	2.096	2.095	-0.001
50	11	2.158	2.163	0.005
50	12	2.141	2.147	0.006
50	13	2.229	2.236	0.007
50	14	2.226	2.222	-0.004
50	15	2.115	2.109	-0.006
50	16	2.125	2.129	0.004
50	17	2.127	2.130	0.003
50	18	2.262	2.261	-0.001
50	19	2.110	2.103	-0.007
50	20	2.002	1.998	-0.004
50	21	2.209	2.206	-0.003
50	22	2.111	2.106	-0.005
50	23	2.048	2.039	-0.009
50	24	2.121	2.122	0.001
50	25	2.031	2.025	-0.006
51	36	2.015	2.011	-0.004
51	37	2.117	2.105	-0.012
51	38	2.195	2.197	0.002
51	39	2.187	2.183	-0.004
51	40	1.911	1.909	-0.002
	Max	2.292	2.292	0.007
	Average	2.134	2.131	-0.003
	Min	1.911	1.909	-0.012
	Std Dev	0.076	0.076	0.004



9.6_SS_I_0p2V_3V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	3	µA
Min Limit	1.5	µA

krad	0	20	21	30	31	50	51
LL	1.500	1.500	1.500	1.500	1.500	1.500	1.500
Min	2.106	2.089	1.997	2.087	2.042	1.998	1.909
Average	2.127	2.170	2.091	2.179	2.138	2.131	2.081
Max	2.152	2.292	2.194	2.241	2.230	2.261	2.197
UL	3.000	3.000	3.000	3.000	3.000	3.000	3.000



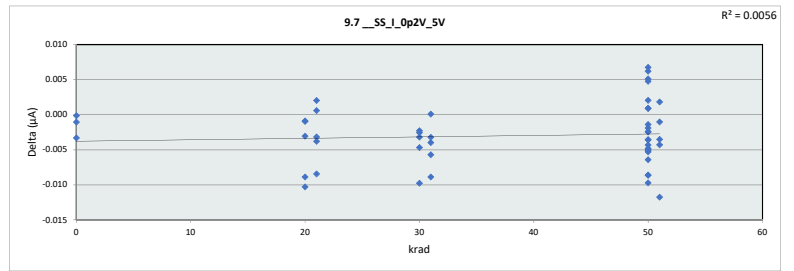
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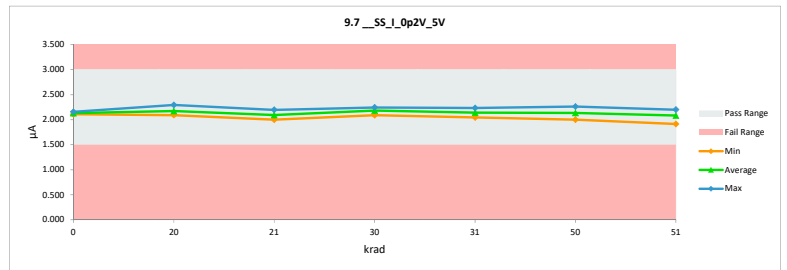
9.7_SS_I_0p2V_5V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	µA	µA
Max Limit	3	3
Min Limit	1.5	1.5

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	2.114	2.111	-0.003
0	2	2.158	2.157	-0.001
0	3	2.130	2.130	0.000
20	31	2.298	2.297	-0.001
20	32	2.100	2.099	-0.001
20	33	2.200	2.191	-0.009
20	34	2.206	2.196	-0.010
20	35	2.097	2.094	-0.003
21	46	2.082	2.078	-0.004
21	47	2.006	2.003	-0.003
21	48	2.208	2.200	-0.008
21	49	2.054	2.055	0.001
21	50	2.143	2.145	0.002
30	26	2.195	2.185	-0.010
30	27	2.183	2.178	-0.005
30	28	2.222	2.220	-0.002
30	29	2.250	2.247	-0.003
30	30	2.095	2.092	-0.003
31	41	2.239	2.236	-0.003
31	42	2.140	2.140	0.000
31	43	2.144	2.135	-0.009
31	44	2.163	2.159	-0.004
31	45	2.053	2.047	-0.006
50	4	2.125	2.121	-0.004
50	5	2.148	2.144	-0.004
50	6	2.145	2.146	0.001
50	7	2.160	2.158	-0.002
50	8	2.045	2.035	-0.010
50	9	2.231	2.222	-0.009
50	10	2.101	2.100	-0.001
50	11	2.163	2.168	0.005
50	12	2.146	2.152	0.006
50	13	2.235	2.242	0.007
50	14	2.231	2.227	-0.004
50	15	2.119	2.114	-0.005
50	16	2.129	2.134	0.005
50	17	2.132	2.134	0.002
50	18	2.268	2.266	-0.002
50	19	2.114	2.109	-0.005
50	20	2.007	2.002	-0.005
50	21	2.214	2.212	-0.002
50	22	2.116	2.111	-0.005
50	23	2.053	2.044	-0.009
50	24	2.126	2.127	0.001
50	25	2.036	2.030	-0.006
51	36	2.020	2.016	-0.004
51	37	2.122	2.110	-0.012
51	38	2.200	2.202	0.002
51	39	2.192	2.188	-0.004
51	40	1.915	1.914	-0.001
	Max	2.298	2.297	0.007
	Average	2.139	2.136	-0.003
	Min	1.915	1.914	-0.012
	Std Dev	0.076	0.076	0.004



9.7_SS_I_0p2V_5V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	3	µA
Min Limit	1.5	µA

	0	20	21	30	31	50	51
LL	1.500	1.500	1.500	1.500	1.500	1.500	1.500
Min	2.111	2.094	2.003	2.092	2.047	2.002	1.914
Average	2.132	2.175	2.096	2.184	2.143	2.136	2.086
Max	2.157	2.297	2.200	2.247	2.236	2.266	2.202
UL	3.000	3.000	3.000	3.000	3.000	3.000	3.000





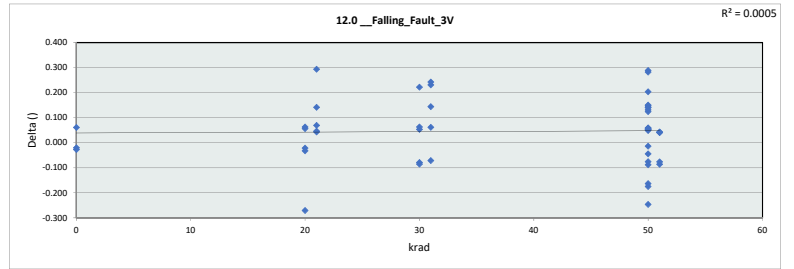
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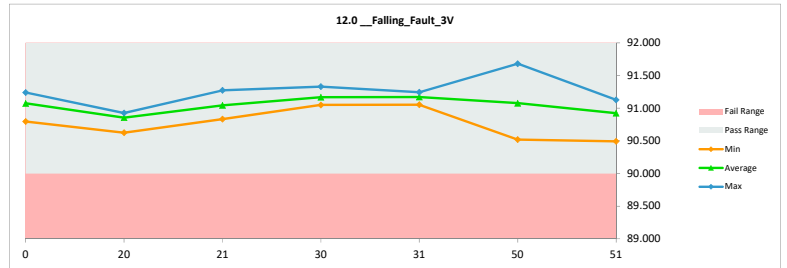
12.0_Falling_Fault_3V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit		
Max Limit		
Min Limit	90	90

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	91.124	91.185	0.061
0	2	91.260	91.240	-0.020
0	3	90.823	90.796	-0.027
20	31	90.862	90.925	0.063
20	32	90.928	90.907	-0.021
20	33	90.937	90.905	-0.032
20	34	90.852	90.908	0.056
20	35	90.895	90.624	-0.271
21	46	91.204	91.273	0.069
21	47	90.801	91.095	0.294
21	48	90.691	90.832	0.141
21	49	91.021	91.064	0.043
21	50	90.905	90.951	0.046
30	26	91.076	91.298	0.222
30	27	91.186	91.107	-0.079
30	28	91.266	91.329	0.063
30	29	90.995	91.048	0.053
30	30	91.137	91.052	-0.085
31	41	91.051	91.195	0.144
31	42	91.072	91.134	0.062
31	43	90.821	91.052	0.231
31	44	91.314	91.243	-0.071
31	45	90.981	91.223	0.242
50	4	90.874	91.021	0.147
50	5	91.204	91.262	0.058
50	6	90.911	90.964	0.053
50	7	90.659	90.583	-0.076
50	8	91.183	91.334	0.151
50	9	91.165	91.289	0.124
50	10	90.854	90.907	0.053
50	11	90.664	90.796	0.132
50	12	91.392	91.681	0.289
50	13	90.933	90.758	-0.175
50	14	90.980	91.122	0.142
50	15	91.457	91.211	-0.246
50	16	91.091	91.295	0.204
50	17	91.120	91.106	-0.014
50	18	91.154	91.066	-0.088
50	19	91.234	91.289	0.055
50	20	91.209	91.268	0.059
50	21	91.124	91.264	0.140
50	22	90.691	90.740	0.049
50	23	91.245	91.082	-0.163
50	24	90.824	91.106	0.282
50	25	90.562	90.518	-0.044
51	36	90.881	90.921	0.040
51	37	91.188	91.112	-0.076
51	38	91.044	90.958	-0.086
51	39	90.450	90.491	0.041
51	40	91.084	91.127	0.043
	Max	91.457	91.681	0.294
	Average	91.008	91.053	0.046
	Min	90.450	90.491	-0.271
	Std Dev	0.215	0.234	0.128



12.0_Falling_Fault_3V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit		
Min Limit	90	

krad	0	20	21	30	31	50	51
LL	90.000	90.000	90.000	90.000	90.000	90.000	90.000
Min	90.796	90.624	90.832	91.048	91.052	90.518	90.491
Average	91.073	90.854	91.043	91.167	91.169	91.075	90.922
Max	91.240	90.925	91.273	91.329	91.243	91.681	91.127
UL							



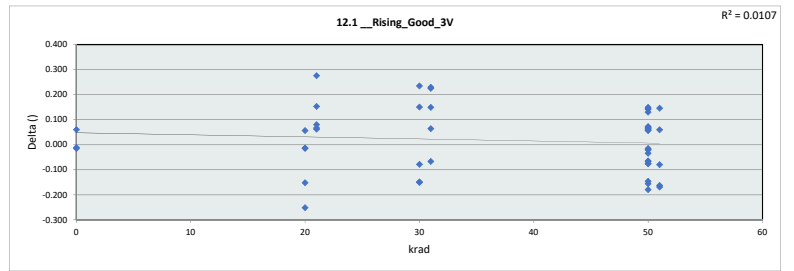
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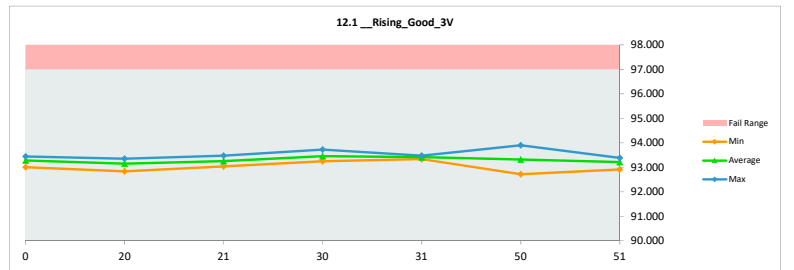
12.1_Rising_Good_3V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit		
Max Limit	97	97
Min Limit		

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	93.324	93.384	0.060
0	2	93.459	93.444	-0.015
0	3	93.017	93.005	-0.012
20	31	93.052	93.108	0.056
20	32	93.362	93.349	-0.013
20	33	93.356	93.341	-0.015
20	34	93.269	93.117	-0.152
20	35	93.086	92.835	-0.251
21	46	93.411	93.478	0.067
21	47	92.993	93.055	0.062
21	48	92.886	93.039	0.153
21	49	93.212	93.292	0.080
21	50	93.114	93.390	0.276
30	26	93.489	93.724	0.235
30	27	93.383	93.534	0.151
30	28	93.688	93.537	-0.151
30	29	93.398	93.249	-0.149
30	30	93.324	93.246	-0.078
31	41	93.248	93.397	0.149
31	42	93.271	93.335	0.064
31	43	93.248	93.474	0.226
31	44	93.515	93.448	-0.067
31	45	93.182	93.411	0.229
50	4	93.288	93.212	-0.076
50	5	93.408	93.465	0.057
50	6	93.322	93.167	-0.155
50	7	92.849	92.998	0.149
50	8	93.386	93.516	0.130
50	9	93.356	93.498	0.142
50	10	93.265	93.338	0.073
50	11	93.074	93.009	-0.065
50	12	93.835	93.897	0.062
50	13	93.128	93.195	0.067
50	14	93.409	93.334	-0.075
50	15	93.663	93.648	-0.015
50	16	93.526	93.507	-0.019
50	17	93.328	93.307	-0.021
50	18	93.347	93.281	-0.066
50	19	93.444	93.502	0.058
50	20	93.402	93.471	0.069
50	21	93.324	93.467	0.143
50	22	93.098	92.952	-0.146
50	23	93.437	93.258	-0.179
50	24	93.242	93.307	0.065
50	25	92.753	92.719	-0.034
51	36	93.303	93.134	-0.169
51	37	93.381	93.301	-0.080
51	38	93.239	93.385	0.146
51	39	92.855	92.915	0.060
51	40	93.493	93.330	-0.163
	Max	93.835	93.897	0.276
	Average	93.289	93.306	0.017
	Min	92.753	92.719	-0.251
	Std Dev	0.214	0.227	0.124



12.1_Rising_Good_3V	
Test Site	Junkins/Dallas
Tester	FETS36405
Test Number	EB545302
Max Limit	97
Min Limit	

krad	0	20	21	30	31	50	51
LL							
Min	93.005	92.835	93.039	93.246	93.335	92.719	92.915
Average	93.278	93.150	93.251	93.458	93.413	93.320	93.213
Max	93.444	93.349	93.478	93.724	93.474	93.897	93.385
UL	97.000	97.000	97.000	97.000	97.000	97.000	97.000



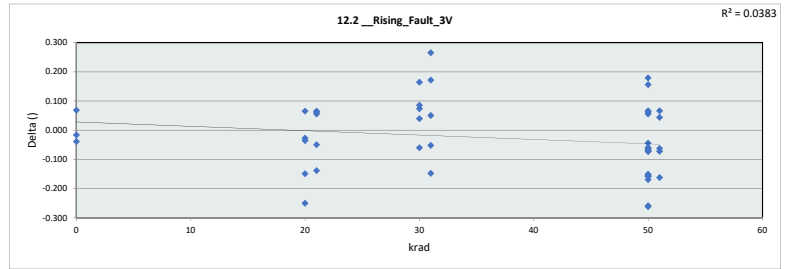
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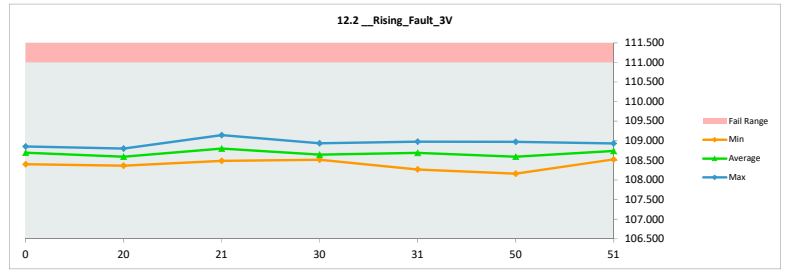
12.2_Rising_Fault_3V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit		
Max Limit	111	111
Min Limit		

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	108.760	108.829	0.069
0	2	108.872	108.856	-0.016
0	3	108.443	108.404	-0.039
20	31	108.389	108.454	0.065
20	32	108.612	108.577	-0.035
20	33	108.830	108.803	-0.027
20	34	108.516	108.367	-0.149
20	35	109.026	108.776	-0.250
21	46	109.082	109.144	0.062
21	47	108.803	108.664	-0.139
21	48	108.540	108.490	-0.050
21	49	108.932	108.987	0.055
21	50	108.661	108.726	0.065
30	26	108.514	108.553	0.039
30	27	108.352	108.517	0.165
30	28	108.447	108.520	0.073
30	29	108.854	108.939	0.085
30	30	108.770	108.710	-0.060
31	41	108.554	108.726	0.172
31	42	108.957	108.809	-0.148
31	43	108.220	108.270	0.050
31	44	109.030	108.978	-0.052
31	45	108.419	108.684	0.265
50	4	108.687	108.615	-0.072
50	5	108.635	108.690	0.055
50	6	108.764	108.595	-0.169
50	7	108.464	108.402	-0.062
50	8	108.570	108.498	-0.072
50	9	108.834	108.762	-0.072
50	10	108.514	108.358	-0.156
50	11	108.464	108.401	-0.063
50	12	109.124	108.973	-0.151
50	13	108.612	108.455	-0.157
50	14	108.858	108.790	-0.068
50	15	108.936	108.674	-0.262
50	16	109.030	108.772	-0.258
50	17	108.540	108.719	0.179
50	18	108.610	108.766	0.156
50	19	108.926	108.770	-0.156
50	20	108.412	108.477	0.065
50	21	108.755	108.696	-0.059
50	22	108.320	108.162	-0.158
50	23	108.590	108.651	0.061
50	24	108.439	108.505	0.066
50	25	108.426	108.382	-0.044
51	36	108.796	108.862	0.066
51	37	108.996	108.934	-0.062
51	38	108.667	108.595	-0.072
51	39	108.689	108.527	-0.162
51	40	108.740	108.784	0.044
	Max	109.124	109.144	0.265
	Average	108.680	108.652	-0.028
	Min	108.220	108.162	-0.262
	Std Dev	0.224	0.206	0.119



12.2_Rising_Fault_3V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	111	
Min Limit		

krad	0	20	21	30	31	50	51
LL							
Min	108.404	108.367	108.490	108.517	108.270	108.162	108.527
Average	108.696	108.595	108.803	108.648	108.694	108.596	108.740
Max	108.856	108.803	109.144	108.939	108.978	108.973	108.934
UL	111.000	111.000	111.000	111.000	111.000	111.000	111.000



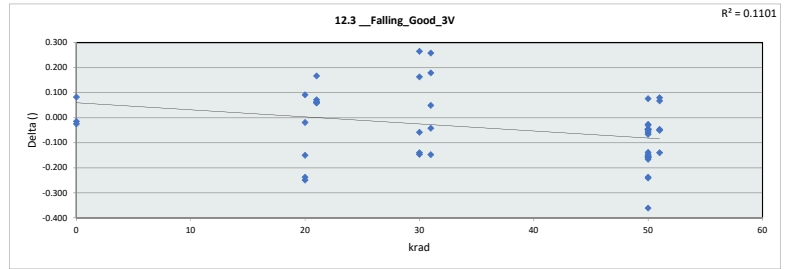
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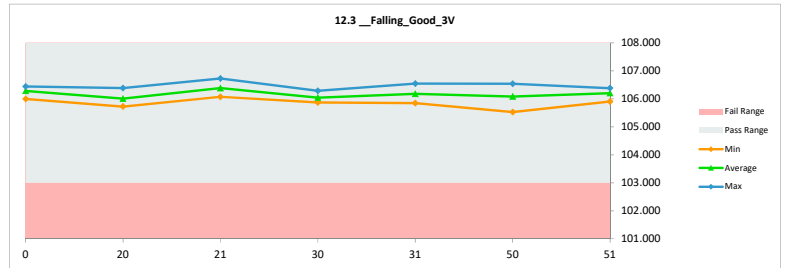
12.3_Falling_Good_3V			
Test Site	Junkins/Dallas	Junkins/Dallas	
Tester	FETS36405	FETS36405,FETS36412	
Test Number	EB545302	EB545302	
Unit			
Max Limit			
Min Limit	103	103	

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	106.334	106.417	0.083
0	2	106.459	106.444	-0.015
0	3	106.022	105.997	-0.025
20	31	105.763	105.855	0.092
20	32	106.189	105.940	-0.249
20	33	106.404	106.385	-0.019
20	34	105.875	105.725	-0.150
20	35	106.368	106.130	-0.238
21	46	106.665	106.725	0.060
21	47	106.184	106.256	0.072
21	48	105.906	106.073	0.167
21	49	106.505	106.569	0.064
21	50	106.233	106.292	0.059
30	26	105.866	106.131	0.265
30	27	105.711	105.874	0.163
30	28	106.018	105.872	-0.146
30	29	106.426	106.286	-0.140
30	30	106.124	106.066	-0.058
31	41	105.905	106.084	0.179
31	42	106.529	106.382	-0.147
31	43	105.589	105.847	0.258
31	44	106.586	106.544	-0.042
31	45	105.986	106.036	0.050
50	4	106.273	106.228	-0.045
50	5	105.993	106.069	0.076
50	6	106.334	106.187	-0.147
50	7	106.048	106.002	-0.046
50	8	106.146	106.099	-0.047
50	9	106.183	106.123	-0.060
50	10	106.299	105.938	-0.361
50	11	106.052	106.004	-0.048
50	12	106.678	106.539	-0.139
50	13	105.966	105.807	-0.159
50	14	106.433	106.387	-0.046
50	15	106.497	106.256	-0.241
50	16	106.589	106.351	-0.238
50	17	106.122	106.095	-0.027
50	18	106.191	106.125	-0.066
50	19	106.510	106.344	-0.166
50	20	105.999	105.843	-0.156
50	21	106.118	106.065	-0.053
50	22	105.682	105.528	-0.154
50	23	106.411	106.252	-0.159
50	24	106.023	105.870	-0.153
50	25	105.778	105.748	-0.030
51	36	106.155	106.222	0.067
51	37	106.368	106.321	-0.047
51	38	106.245	106.194	-0.051
51	39	106.046	105.906	-0.140
51	40	106.303	106.383	0.080
Max		106.678	106.725	0.265
Average		106.182	106.136	-0.046
Min		105.589	105.528	-0.361
Std Dev		0.268	0.247	0.133



12.3_Falling_Good_3V			
Test Site	Junkins/Dallas		
Tester	FETS36405		
Test Number	EB545302		
Max Limit			
Min Limit	103		

krad	0	20	21	30	31	50	51
LL	103.000	103.000	103.000	103.000	103.000	103.000	103.000
Min	105.997	105.725	106.073	105.872	105.847	105.528	105.906
Average	106.286	106.007	106.383	106.046	106.178	106.085	106.205
Max	106.444	106.385	106.725	106.286	106.544	106.539	106.383
UL							



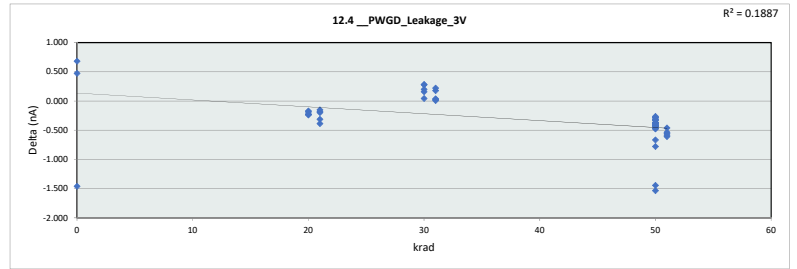
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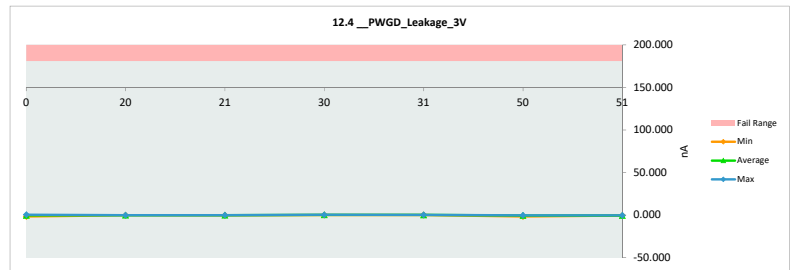
12.4_PWGD_Leakage_3V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	nA	nA
Max Limit	181	181
Min Limit		

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	-0.313	0.368	0.681
0	2	-0.275	0.198	0.473
0	3	-0.324	-1.785	-1.461
20	31	-0.075	-0.262	-0.187
20	32	-0.058	-0.286	-0.228
20	33	-0.086	-0.313	-0.227
20	34	-0.075	-0.246	-0.171
20	35	-0.014	-0.252	-0.238
21	46	-0.005	-0.187	-0.182
21	47	0.020	-0.294	-0.314
21	48	-0.084	-0.235	-0.151
21	49	-0.071	-0.268	-0.197
21	50	0.002	-0.386	-0.388
30	26	-0.029	0.252	0.281
30	27	0.000	0.044	0.044
30	28	-0.061	0.138	0.199
30	29	-0.086	0.071	0.157
30	30	-0.037	0.241	0.278
31	41	-0.114	0.062	0.176
31	42	-0.002	0.025	0.027
31	43	-0.046	-0.009	0.037
31	44	-0.025	-0.018	0.007
31	45	-0.037	0.185	0.222
50	4	-0.229	-1.764	-1.535
50	5	-0.207	-1.652	-1.445
50	6	-0.146	-0.926	-0.780
50	7	-0.157	-0.823	-0.666
50	8	-0.086	-0.453	-0.367
50	9	-0.143	-0.427	-0.284
50	10	-0.134	-0.461	-0.327
50	11	-0.022	-0.467	-0.445
50	12	-0.014	-0.485	-0.471
50	13	-0.109	-0.476	-0.367
50	14	-0.063	-0.540	-0.477
50	15	-0.059	-0.387	-0.328
50	16	-0.114	-0.529	-0.415
50	17	-0.080	-0.510	-0.430
50	18	-0.056	-0.486	-0.430
50	19	-0.036	-0.428	-0.392
50	20	-0.094	-0.478	-0.384
50	21	-0.047	-0.452	-0.405
50	22	-0.172	-0.437	-0.265
50	23	-0.127	-0.415	-0.288
50	24	-0.055	-0.489	-0.434
50	25	-0.053	-0.367	-0.314
51	36	-0.014	-0.571	-0.557
51	37	-0.022	-0.483	-0.461
51	38	-0.079	-0.687	-0.608
51	39	-0.008	-0.544	-0.536
51	40	-0.037	-0.621	-0.584
	Max	0.020	0.368	0.681
	Average	-0.083	-0.386	-0.303
	Min	-0.324	-1.785	-1.535
	Std Dev	0.078	0.447	0.423



12.4_PWGD_Leakage_3V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	181	nA
Min Limit		nA

krad	0	20	21	30	31	50	51
LL							
Min	-1.785	-0.313	-0.386	0.044	-0.018	-1.764	-0.687
Average	-0.406	-0.272	-0.274	0.149	0.049	-0.611	-0.581
Max	0.368	-0.246	-0.187	0.252	0.185	-0.367	-0.483
UL	181.000	181.000	181.000	181.000	181.000	181.000	181.000



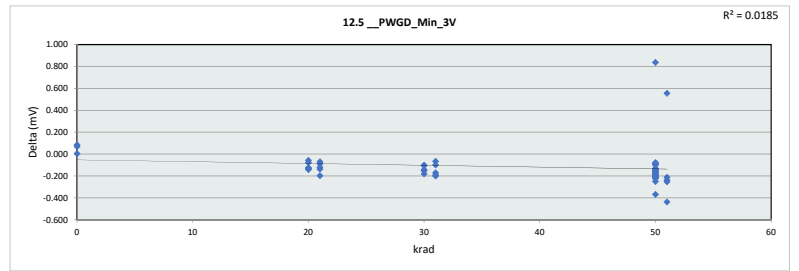
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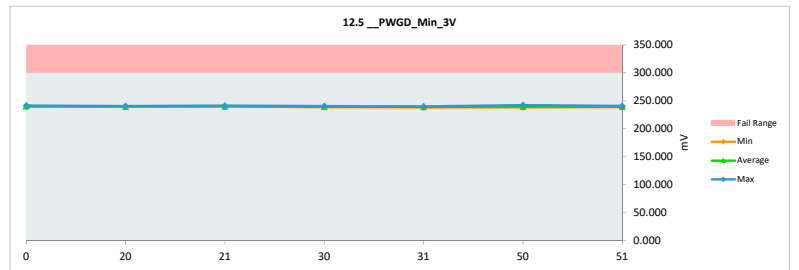
12.5_PWGD_Min_3V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	mV	mV
Max Limit	300	300
Min Limit		

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	241.404	241.473	0.069
0	2	241.188	241.273	0.085
0	3	239.167	239.171	0.004
20	31	239.580	239.450	-0.130
20	32	240.041	239.899	-0.142
20	33	239.734	239.677	-0.057
20	34	239.814	239.689	-0.125
20	35	240.798	240.719	-0.079
21	46	239.790	239.653	-0.137
21	47	239.812	239.741	-0.071
21	48	240.365	240.276	-0.089
21	49	241.435	241.314	-0.121
21	50	241.099	240.902	-0.197
30	26	239.756	239.651	-0.105
30	27	239.707	239.555	-0.152
30	28	239.508	239.408	-0.100
30	29	238.855	238.713	-0.142
30	30	240.776	240.595	-0.181
31	41	240.304	240.113	-0.191
31	42	238.300	238.202	-0.098
31	43	239.726	239.555	-0.171
31	44	239.227	239.161	-0.066
31	45	239.422	239.222	-0.200
50	4	240.462	240.366	-0.096
50	5	240.591	240.508	-0.083
50	6	240.594	240.395	-0.199
50	7	240.080	239.916	-0.164
50	8	238.629	238.442	-0.187
50	9	239.242	239.064	-0.178
50	10	239.149	238.937	-0.212
50	11	239.614	239.482	-0.132
50	12	238.928	238.560	-0.368
50	13	239.512	239.305	-0.207
50	14	241.382	242.219	0.837
50	15	239.405	239.253	-0.152
50	16	239.941	239.843	-0.098
50	17	240.396	240.318	-0.078
50	18	239.530	239.383	-0.147
50	19	239.118	238.896	-0.222
50	20	239.985	239.823	-0.162
50	21	241.148	240.966	-0.182
50	22	240.163	239.913	-0.250
50	23	239.967	239.835	-0.132
50	24	240.068	239.936	-0.132
50	25	239.664	239.473	-0.191
51	36	238.960	238.523	-0.437
51	37	239.373	239.928	0.555
51	38	239.028	238.790	-0.238
51	39	239.651	239.439	-0.212
51	40	241.158	240.905	-0.253
	Max	241.435	242.219	0.837
	Average	239.911	239.797	-0.114
	Min	238.300	238.202	-0.437
	Std Dev	0.766	0.842	0.191



12.5_PWGD_Min_3V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	300	mV
Min Limit		mV

krad	0	20	21	30	31	50	51
LL							
Min	239.171	239.450	239.653	238.713	238.202	238.442	238.523
Average	240.639	239.887	240.377	239.584	239.251	239.765	239.517
Max	241.473	240.719	241.314	240.595	240.113	242.219	240.905
UL	300.000	300.000	300.000	300.000	300.000	300.000	300.000



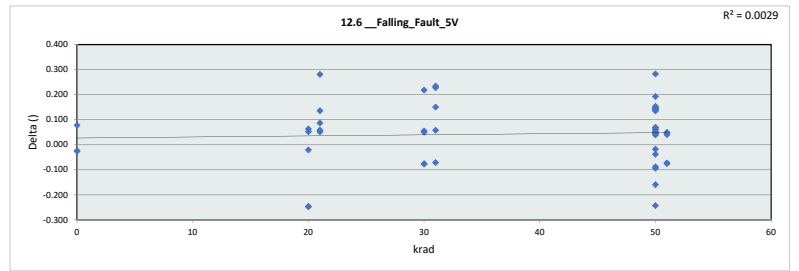
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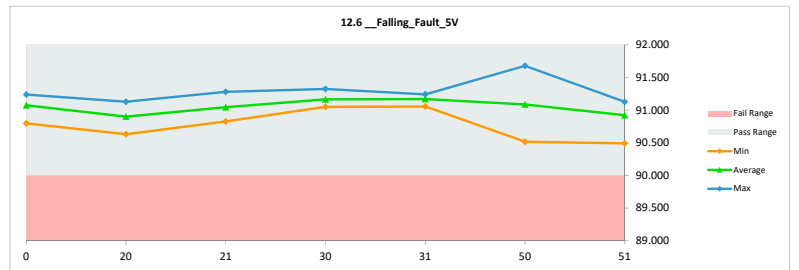
12.6_Falling_Fault_5V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit		
Max Limit		
Min Limit	90	90

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	91.113	91.191	0.078
0	2	91.264	91.240	-0.024
0	3	90.823	90.797	-0.026
20	31	90.860	90.923	0.063
20	32	91.160	90.912	-0.248
20	33	91.150	91.129	-0.021
20	34	90.858	90.910	0.052
20	35	90.878	90.632	-0.246
21	46	91.194	91.281	0.087
21	47	90.808	91.089	0.281
21	48	90.691	90.827	0.136
21	49	91.015	91.074	0.059
21	50	90.902	90.953	0.051
30	26	91.076	91.294	0.218
30	27	91.183	91.107	-0.076
30	28	91.270	91.325	0.055
30	29	91.000	91.050	0.050
30	30	91.129	91.052	-0.077
31	41	91.043	91.193	0.150
31	42	91.076	91.134	0.058
31	43	90.828	91.056	0.228
31	44	91.314	91.243	-0.071
31	45	90.989	91.223	0.234
50	4	90.874	91.019	0.145
50	5	91.198	91.266	0.068
50	6	90.909	90.964	0.055
50	7	90.670	90.581	-0.089
50	8	91.179	91.332	0.153
50	9	91.148	91.299	0.151
50	10	90.863	90.907	0.044
50	11	90.664	90.803	0.139
50	12	91.396	91.679	0.283
50	13	90.937	90.986	0.049
50	14	90.996	91.131	0.135
50	15	91.445	91.202	-0.243
50	16	91.102	91.295	0.193
50	17	91.126	91.108	-0.018
50	18	91.158	91.064	-0.094
50	19	91.234	91.282	0.048
50	20	91.204	91.273	0.069
50	21	91.124	91.266	0.142
50	22	90.697	90.736	0.039
50	23	91.241	91.082	-0.159
50	24	91.044	91.106	0.062
50	25	90.554	90.516	-0.038
51	36	90.880	90.927	0.047
51	37	91.177	91.104	-0.073
51	38	91.041	90.966	-0.075
51	39	90.452	90.493	0.041
51	40	91.078	91.127	0.049
	Max	91.445	91.679	0.283
	Average	91.020	91.063	0.043
	Min	90.452	90.493	-0.248
	Std Dev	0.213	0.229	0.123



12.6_Falling_Fault_5V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit		
Min Limit	90	

krad	0	20	21	30	31	50	51
LL	90.000	90.000	90.000	90.000	90.000	90.000	90.000
Min	90.797	90.632	90.827	91.050	91.056	90.516	90.493
Average	91.076	90.901	91.045	91.166	91.170	91.086	90.923
Max	91.240	91.129	91.281	91.325	91.243	91.679	91.127
UL							



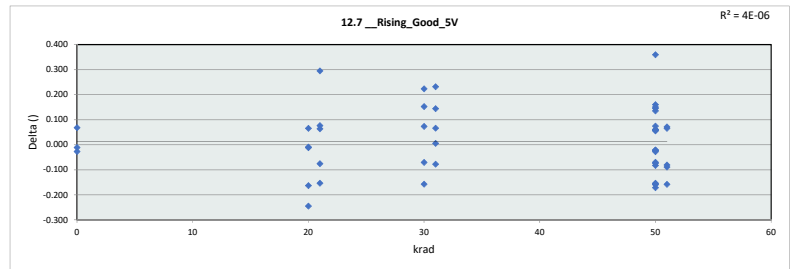
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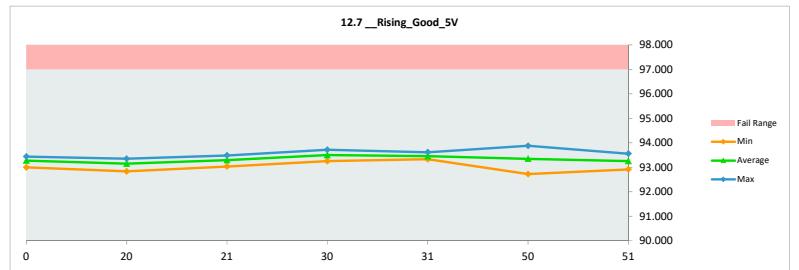
12.7_Rising_Good_5V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit		
Max Limit	97	97
Min Limit		

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	93.322	93.390	0.068
0	2	93.468	93.441	-0.027
0	3	93.013	93.002	-0.011
20	31	93.045	93.110	0.065
20	32	93.351	93.339	-0.012
20	33	93.358	93.349	-0.009
20	34	93.278	93.115	-0.163
20	35	93.082	92.837	-0.245
21	46	93.409	93.486	0.077
21	47	92.989	93.284	0.295
21	48	93.111	93.035	-0.076
21	49	93.436	93.283	-0.153
21	50	93.334	93.397	0.063
30	26	93.497	93.720	0.223
30	27	93.381	93.534	0.153
30	28	93.693	93.535	-0.158
30	29	93.404	93.477	0.073
30	30	93.324	93.253	-0.071
31	41	93.473	93.617	0.144
31	42	93.265	93.331	0.066
31	43	93.242	93.474	0.232
31	44	93.524	93.446	-0.078
31	45	93.408	93.413	0.005
50	4	93.301	93.218	-0.083
50	5	93.408	93.467	0.059
50	6	93.326	93.172	-0.154
50	7	92.853	92.998	0.145
50	8	93.381	93.516	0.135
50	9	93.579	93.505	-0.074
50	10	93.489	93.332	-0.157
50	11	93.071	93.222	0.151
50	12	93.824	93.882	0.058
50	13	93.126	93.201	0.075
50	14	93.406	93.336	-0.070
50	15	93.663	93.640	-0.023
50	16	93.530	93.507	-0.023
50	17	93.324	93.303	-0.021
50	18	93.353	93.513	0.160
50	19	93.442	93.502	0.060
50	20	93.408	93.469	0.061
50	21	93.330	93.689	0.359
50	22	93.104	92.944	-0.160
50	23	93.437	93.265	-0.172
50	24	93.244	93.299	0.055
50	25	92.752	92.724	-0.028
51	36	93.296	93.138	-0.158
51	37	93.383	93.294	-0.089
51	38	93.462	93.381	-0.081
51	39	92.853	92.919	0.066
51	40	93.487	93.558	0.071
	Max	93.824	93.882	0.359
	Average	93.325	93.337	0.012
	Min	92.752	92.724	-0.245
	Std Dev	0.213	0.233	0.129



12.7_Rising_Good_5V	
Test Site	Junkins/Dallas
Tester	FETS36405
Test Number	EB545302
Max Limit	97
Min Limit	

krad	0	20	21	30	31	50	51
LL							
Min	93.002	92.837	93.035	93.253	93.331	92.724	92.919
Average	93.277	93.150	93.297	93.504	93.456	93.350	93.258
Max	93.441	93.349	93.486	93.720	93.617	93.882	93.558
UL	97.000	97.000	97.000	97.000	97.000	97.000	97.000





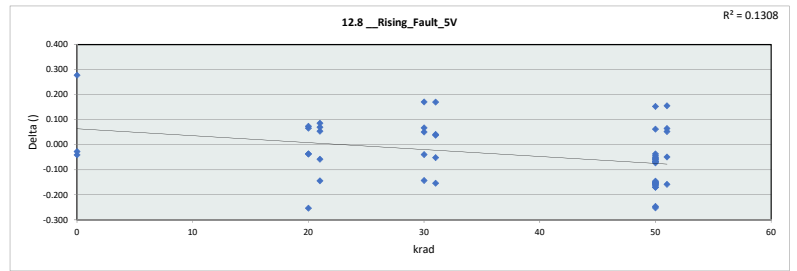
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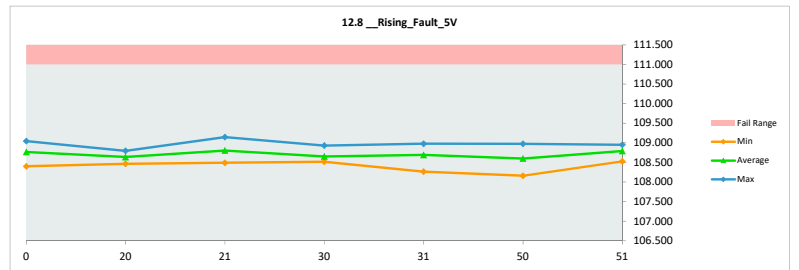
12.8_Rising_Fault_5V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit		
Max Limit	111	111
Min Limit		

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	108.766	109.043	0.277
0	2	108.877	108.850	-0.027
0	3	108.441	108.401	-0.040
20	31	108.397	108.463	0.066
20	32	108.613	108.577	-0.036
20	33	108.830	108.793	-0.037
20	34	108.501	108.575	0.074
20	35	109.033	108.779	-0.254
21	46	109.076	109.146	0.070
21	47	108.805	108.661	-0.144
21	48	108.548	108.490	-0.058
21	49	108.939	108.993	0.054
21	50	108.646	108.732	0.086
30	26	108.516	108.567	0.051
30	27	108.346	108.517	0.171
30	28	108.665	108.522	-0.143
30	29	108.861	108.928	0.067
30	30	108.760	108.721	-0.039
31	41	108.552	108.722	0.170
31	42	108.959	108.805	-0.154
31	43	108.225	108.263	0.038
31	44	109.028	108.976	-0.052
31	45	108.641	108.682	0.041
50	4	108.689	108.617	-0.072
50	5	108.639	108.701	0.062
50	6	108.766	108.597	-0.169
50	7	108.467	108.401	-0.066
50	8	108.570	108.501	-0.069
50	9	108.828	108.772	-0.056
50	10	108.518	108.367	-0.151
50	11	108.467	108.402	-0.065
50	12	109.131	108.973	-0.158
50	13	108.606	108.461	-0.145
50	14	108.846	108.795	-0.051
50	15	108.926	108.674	-0.252
50	16	109.022	108.776	-0.246
50	17	108.766	108.721	-0.045
50	18	108.615	108.768	0.153
50	19	108.926	108.770	-0.156
50	20	108.630	108.481	-0.149
50	21	108.756	108.698	-0.058
50	22	108.316	108.160	-0.156
50	23	108.811	108.648	-0.163
50	24	108.667	108.498	-0.169
50	25	108.417	108.380	-0.037
51	36	108.803	108.868	0.065
51	37	108.998	108.949	-0.049
51	38	108.661	108.817	0.156
51	39	108.685	108.527	-0.158
51	40	108.737	108.790	0.053
	Max	109.131	109.146	0.277
	Average	108.706	108.666	-0.039
	Min	108.225	108.160	-0.254
	Std Dev	0.211	0.210	0.119



12.8_Rising_Fault_5V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	111	
Min Limit		

krad	0	20	21	30	31	50	51
LL							
Min	108.401	108.463	108.490	108.517	108.263	108.160	108.527
Average	108.765	108.637	108.804	108.651	108.690	108.598	108.790
Max	109.043	108.793	109.146	108.928	108.976	108.973	108.949
UL	111.000	111.000	111.000	111.000	111.000	111.000	111.000



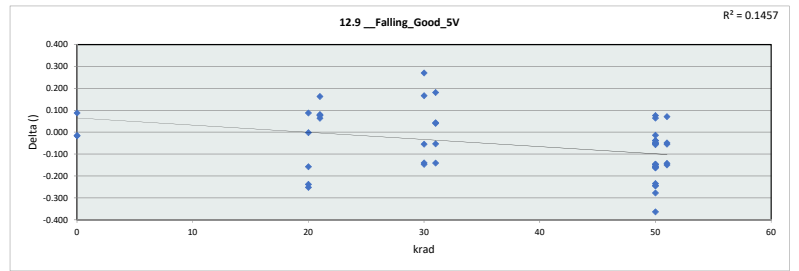
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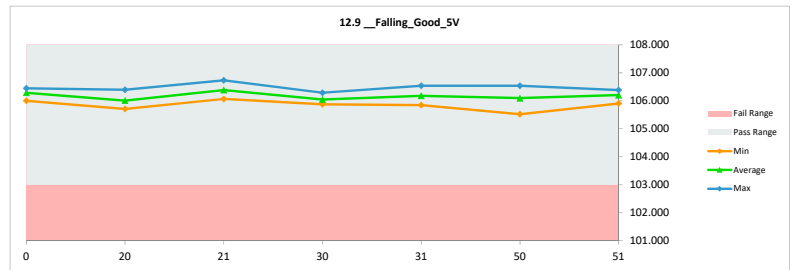
12.9_Falling_Good_5V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit		
Max Limit		
Min Limit	103	103

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	106.327	106.415	0.088
0	2	106.463	106.446	-0.017
0	3	106.016	106.000	-0.016
20	31	105.769	105.857	0.088
20	32	106.185	105.947	-0.238
20	33	106.398	106.396	-0.002
20	34	105.869	105.712	-0.157
20	35	106.380	106.128	-0.252
21	46	106.652	106.732	0.080
21	47	106.176	106.254	0.078
21	48	105.904	106.067	0.163
21	49	106.501	106.578	0.077
21	50	106.224	106.288	0.064
30	26	105.866	106.137	0.271
30	27	105.709	105.876	0.167
30	28	106.020	105.874	-0.146
30	29	106.430	106.290	-0.140
30	30	106.113	106.058	-0.055
31	41	105.901	106.082	0.181
31	42	106.519	106.378	-0.141
31	43	105.805	105.845	0.040
31	44	106.593	106.540	-0.053
31	45	106.000	106.043	0.043
50	4	106.275	106.226	-0.049
50	5	105.997	106.061	0.064
50	6	106.338	106.192	-0.146
50	7	106.044	106.006	-0.038
50	8	106.148	106.097	-0.051
50	9	106.402	106.125	-0.277
50	10	106.307	105.944	-0.363
50	11	106.055	106.004	-0.051
50	12	106.693	106.537	-0.156
50	13	105.961	105.803	-0.158
50	14	106.428	106.389	-0.039
50	15	106.494	106.260	-0.234
50	16	106.591	106.346	-0.245
50	17	106.111	106.097	-0.014
50	18	106.187	106.130	-0.057
50	19	106.496	106.349	-0.147
50	20	105.987	105.839	-0.148
50	21	106.118	106.067	-0.051
50	22	105.684	105.522	-0.162
50	23	106.407	106.245	-0.162
50	24	106.025	106.101	0.076
50	25	105.993	105.750	-0.243
51	36	106.370	106.220	-0.150
51	37	106.374	106.319	-0.055
51	38	106.241	106.192	-0.049
51	39	106.048	105.906	-0.142
51	40	106.312	106.383	0.071
	Max	106.693	106.732	0.271
	Average	106.198	106.141	-0.057
	Min	105.684	105.522	-0.363
	Std Dev	0.257	0.245	0.134



12.9_Falling_Good_5V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit		
Min Limit	103	

krad	0	20	21	30	31	50	51
LL	103.000	103.000	103.000	103.000	103.000	103.000	103.000
Min	106.000	105.712	106.067	105.874	105.845	105.522	105.906
Average	106.287	106.008	106.384	106.047	106.178	106.095	106.204
Max	106.446	106.396	106.732	106.290	106.540	106.537	106.383
UL							



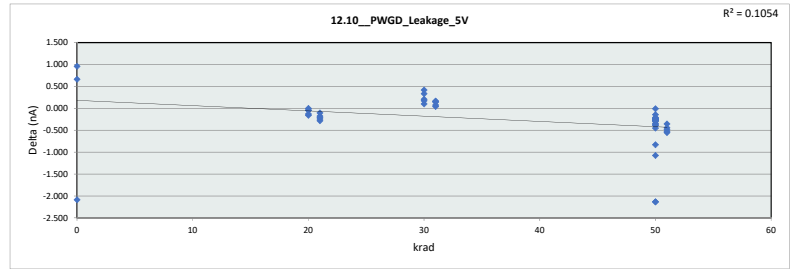
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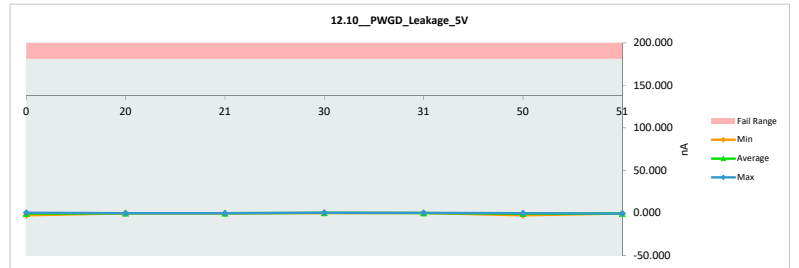
12.10_PWGD_Leakage_5V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	nA	nA
Max Limit	181	181
Min Limit		

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	-0.599	0.360	0.959
0	2	-0.548	0.114	0.662
0	3	-0.645	-2.732	-2.087
20	31	-0.053	-0.211	-0.158
20	32	-0.109	-0.155	-0.046
20	33	-0.278	-0.282	-0.004
20	34	-0.121	-0.164	-0.043
20	35	-0.087	-0.216	-0.129
21	46	-0.086	-0.189	-0.103
21	47	-0.034	-0.211	-0.177
21	48	-0.022	-0.233	-0.211
21	49	-0.038	-0.281	-0.243
21	50	-0.028	-0.312	-0.284
30	26	-0.113	0.303	0.416
30	27	-0.100	0.106	0.206
30	28	-0.124	0.048	0.172
30	29	-0.009	0.090	0.099
30	30	-0.060	0.272	0.332
31	41	-0.130	0.037	0.167
31	42	-0.133	0.020	0.153
31	43	-0.049	-0.009	0.040
31	44	-0.093	-0.019	0.074
31	45	-0.013	0.132	0.145
50	4	-0.482	-2.617	-2.135
50	5	-0.248	-2.383	-2.135
50	6	-0.216	-1.291	-1.075
50	7	-0.233	-1.065	-0.832
50	8	-0.242	-0.389	-0.147
50	9	-0.228	-0.239	-0.011
50	10	-0.159	-0.461	-0.302
50	11	-0.186	-0.565	-0.379
50	12	-0.184	-0.423	-0.239
50	13	-0.176	-0.563	-0.387
50	14	-0.094	-0.547	-0.453
50	15	-0.164	-0.440	-0.276
50	16	-0.189	-0.456	-0.267
50	17	-0.150	-0.499	-0.349
50	18	-0.187	-0.421	-0.234
50	19	-0.112	-0.352	-0.240
50	20	-0.133	-0.343	-0.210
50	21	-0.108	-0.376	-0.268
50	22	-0.116	-0.367	-0.251
50	23	-0.045	-0.316	-0.271
50	24	-0.172	-0.441	-0.269
50	25	-0.092	-0.318	-0.226
51	36	-0.109	-0.553	-0.444
51	37	-0.160	-0.517	-0.357
51	38	-0.116	-0.603	-0.487
51	39	-0.071	-0.624	-0.553
51	40	-0.090	-0.621	-0.531
	Max	-0.009	0.360	0.959
	Average	-0.159	-0.426	-0.268
	Min	-0.645	-2.732	-2.135
	Std Dev	0.139	0.632	0.578



12.10_PWGD_Leakage_5V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	181	nA
Min Limit		nA

krad	0	20	21	30	31	50	51
LL							
Min	-2.732	-0.282	-0.312	0.048	-0.019	-2.617	-0.624
Average	-0.753	-0.206	-0.245	0.164	0.032	-0.676	-0.584
Max	0.360	-0.155	-0.189	0.303	0.132	-0.239	-0.517
UL	181.000	181.000	181.000	181.000	181.000	181.000	181.000



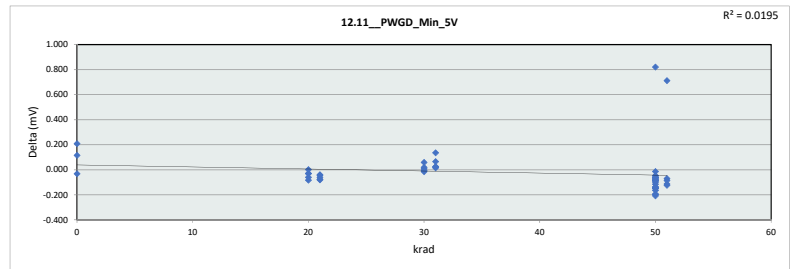
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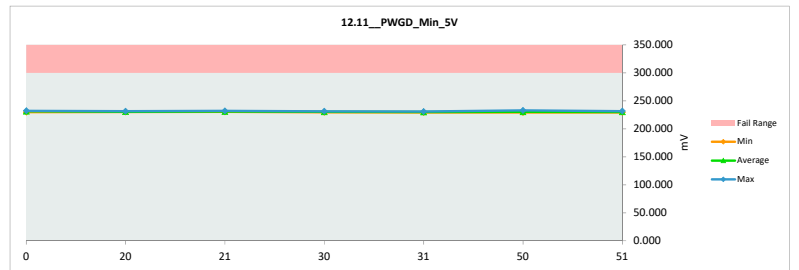
12.11_PWGD_Min_5V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	mV	mV
Max Limit	300	300
Min Limit		

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	232.082	232.290	0.208
0	2	231.873	231.988	0.115
0	3	229.887	229.855	-0.032
20	31	230.159	230.099	-0.060
20	32	230.719	230.635	-0.084
20	33	230.310	230.279	-0.031
20	34	230.474	230.476	0.002
20	35	231.505	231.475	-0.030
21	46	230.322	230.260	-0.062
21	47	230.295	230.250	-0.045
21	48	230.973	230.934	-0.039
21	49	232.148	232.071	-0.077
21	50	231.819	231.738	-0.081
30	26	230.391	230.449	0.058
30	27	230.222	230.230	0.008
30	28	230.047	230.031	-0.016
30	29	229.470	229.489	0.019
30	30	231.406	231.400	-0.006
31	41	230.984	231.049	0.065
31	42	229.062	229.077	0.015
31	43	230.103	230.128	0.025
31	44	229.780	229.916	0.136
31	45	229.970	229.992	0.022
50	4	231.006	230.942	-0.064
50	5	231.073	231.015	-0.058
50	6	231.230	231.115	-0.115
50	7	230.773	230.579	-0.194
50	8	229.283	229.269	-0.014
50	9	229.790	229.644	-0.146
50	10	229.685	229.587	-0.098
50	11	230.140	230.050	-0.090
50	12	229.519	229.310	-0.209
50	13	230.111	229.962	-0.149
50	14	232.058	232.878	0.820
50	15	230.025	229.875	-0.150
50	16	230.525	230.445	-0.080
50	17	231.065	230.997	-0.068
50	18	230.011	229.965	-0.046
50	19	229.675	229.510	-0.165
50	20	230.547	230.408	-0.139
50	21	231.813	231.752	-0.061
50	22	230.872	230.676	-0.196
50	23	230.446	230.362	-0.084
50	24	230.479	230.396	-0.083
50	25	230.167	230.030	-0.137
51	36	229.500	229.387	-0.113
51	37	229.923	230.635	0.712
51	38	229.594	229.524	-0.070
51	39	230.228	230.104	-0.124
51	40	231.766	231.680	-0.086
Max		232.148	232.878	0.820
Average		230.506	230.484	-0.022
Min		229.062	229.077	-0.209
Std Dev		0.795	0.851	0.183



12.11_PWGD_Min_5V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	300	mV
Min Limit		mV

krad	0	20	21	30	31	50	51
LL							
Min	229.855	230.099	230.250	229.489	229.077	229.269	229.387
Average	231.378	230.593	231.051	230.320	230.032	230.399	230.266
Max	232.290	231.475	232.071	231.400	231.049	232.878	231.680
UL	300.000	300.000	300.000	300.000	300.000	300.000	300.000



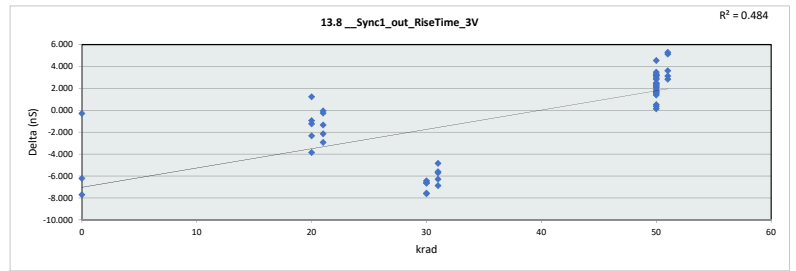
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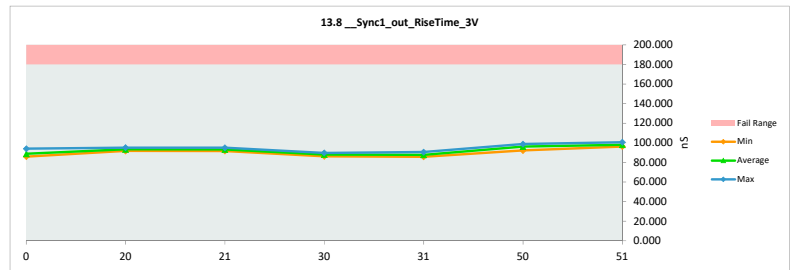
13.8_Sync1_out_RiseTime_3V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	nS	nS
Max Limit	180	180
Min Limit		

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	92.047	85.832	-6.215
0	2	94.089	86.375	-7.714
0	3	94.250	93.959	-0.291
20	31	95.514	91.667	-3.847
20	32	92.752	91.807	-0.945
20	33	96.225	94.992	-1.233
20	34	96.505	94.166	-2.339
20	35	92.748	93.973	1.225
21	46	94.482	91.547	-2.935
21	47	94.961	94.914	-0.047
21	48	95.688	94.352	-1.336
21	49	93.232	92.971	-0.261
21	50	94.150	92.011	-2.139
30	26	95.990	88.433	-7.557
30	27	93.999	87.566	-6.433
30	28	94.771	88.117	-6.654
30	29	92.785	86.217	-6.568
30	30	97.217	89.596	-7.621
31	41	95.368	90.522	-4.846
31	42	93.307	87.607	-5.700
31	43	94.015	87.727	-6.288
31	44	92.597	86.997	-5.600
31	45	92.675	85.803	-6.872
50	4	92.661	95.605	2.944
50	5	94.695	96.765	2.070
50	6	95.319	95.669	0.350
50	7	93.963	95.675	1.712
50	8	92.025	92.165	0.140
50	9	92.033	95.300	3.267
50	10	91.769	94.184	2.415
50	11	94.454	96.081	1.627
50	12	94.322	96.479	2.157
50	13	94.069	97.221	3.152
50	14	95.027	96.535	1.508
50	15	96.018	97.890	1.872
50	16	93.557	94.949	1.392
50	17	91.438	94.572	3.134
50	18	95.178	98.000	2.822
50	19	94.770	97.278	2.508
50	20	94.499	95.020	0.521
50	21	92.367	95.841	3.474
50	22	95.745	98.148	2.403
50	23	91.625	94.916	3.291
50	24	94.132	98.675	4.543
50	25	94.572	96.862	2.290
51	36	94.799	97.632	2.833
51	37	92.980	98.108	5.128
51	38	97.453	100.577	3.124
51	39	90.936	96.229	5.293
51	40	94.067	97.679	3.612
	Max	97.453	100.577	5.293
	Average	94.077	93.624	-0.453
	Min	90.936	85.803	-7.714
	Std Dev	1.520	3.970	3.956



13.8_Sync1_out_RiseTime_3V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	180	nS
Min Limit		nS

krad	0	20	21	30	31	50	51
LL							
Min	85.832	91.667	91.547	86.217	85.803	92.165	96.229
Average	88.722	93.321	93.159	87.986	87.731	96.083	98.045
Max	93.959	94.992	94.914	89.596	90.522	98.675	100.577
UL	180.000	180.000	180.000	180.000	180.000	180.000	180.000



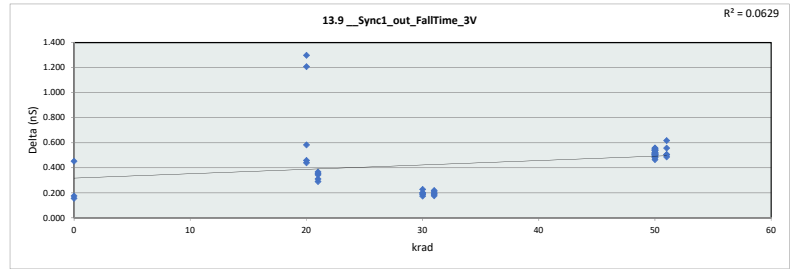
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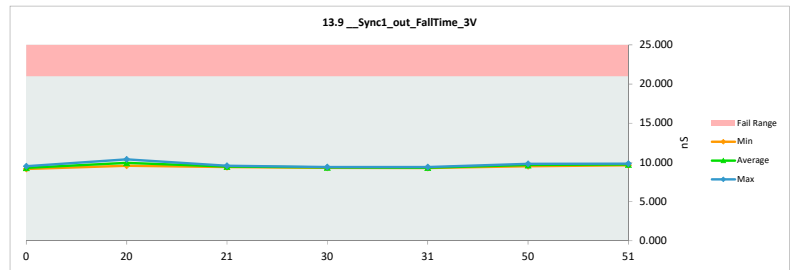
13.9_Sync1_out_FallTime_3V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	nS	nS
Max Limit	21	21
Min Limit		

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	8.990	9.165	0.175
0	2	9.061	9.217	0.156
0	3	9.068	9.520	0.452
20	31	9.174	10.381	1.207
20	32	9.055	10.354	1.299
20	33	9.221	9.804	0.583
20	34	9.183	9.642	0.459
20	35	9.137	9.576	0.439
21	46	9.226	9.580	0.354
21	47	9.122	9.466	0.344
21	48	9.161	9.471	0.310
21	49	9.061	9.427	0.366
21	50	9.111	9.401	0.290
30	26	9.210	9.398	0.188
30	27	9.163	9.362	0.199
30	28	9.116	9.317	0.201
30	29	9.175	9.403	0.228
30	30	9.189	9.363	0.174
31	41	9.135	9.324	0.189
31	42	9.184	9.403	0.219
31	43	9.101	9.295	0.194
31	44	9.092	9.298	0.206
31	45	9.176	9.352	0.176
50	4	9.149	9.655	0.506
50	5	9.218	9.738	0.520
50	6	9.133	9.627	0.494
50	7	9.128	9.639	0.511
50	8	9.054	9.519	0.465
50	9	9.165	9.724	0.559
50	10	9.115	9.634	0.519
50	11	9.103	9.602	0.499
50	12	9.092	9.647	0.555
50	13	9.158	9.661	0.503
50	14	9.150	9.660	0.510
50	15	9.239	9.734	0.495
50	16	9.168	9.715	0.547
50	17	9.151	9.700	0.549
50	18	9.275	9.812	0.537
50	19	9.215	9.697	0.482
50	20	9.162	9.671	0.509
50	21	9.125	9.646	0.521
50	22	9.108	9.646	0.538
50	23	9.134	9.673	0.539
50	24	9.187	9.670	0.483
50	25	9.083	9.594	0.511
51	36	9.149	9.706	0.557
51	37	9.207	9.713	0.506
51	38	9.221	9.839	0.618
51	39	9.140	9.644	0.504
51	40	9.291	9.777	0.486
	Max	9.291	10.381	1.299
	Average	9.149	9.597	0.449
	Min	8.990	9.165	0.156
	Std Dev	0.060	0.230	0.219



13.9_Sync1_out_FallTime_3V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	21	nS
Min Limit		nS

krad	0	20	21	30	31	50	51
LL							
Min	9.165	9.576	9.401	9.317	9.295	9.519	9.644
Average	9.301	9.951	9.469	9.368	9.335	9.666	9.736
Max	9.520	10.381	9.580	9.403	9.403	9.812	9.839
UL	21.000	21.000	21.000	21.000	21.000	21.000	21.000



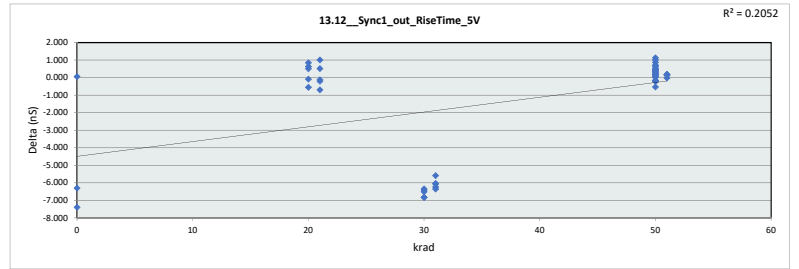
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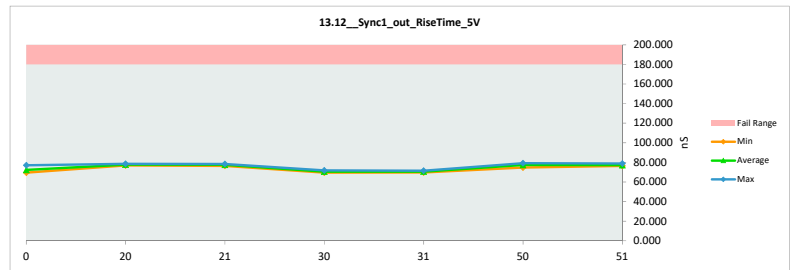
13.12_Sync1_out_RiseTime_5V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	nS	nS
Max Limit	180	180
Min Limit		

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	75.938	69.632	-6.306
0	2	77.785	70.388	-7.397
0	3	77.054	77.116	0.062
20	31	77.418	77.334	-0.084
20	32	76.301	76.939	0.638
20	33	79.071	78.519	-0.552
20	34	77.777	78.285	0.508
20	35	76.816	77.662	0.846
21	46	76.742	76.533	-0.209
21	47	77.950	78.467	0.517
21	48	78.687	77.987	-0.700
21	49	77.426	77.301	-0.125
21	50	76.732	77.743	1.011
30	26	77.037	70.689	-6.348
30	27	76.879	70.365	-6.514
30	28	77.375	70.541	-6.834
30	29	76.045	69.625	-6.420
30	30	78.770	71.938	-6.832
31	41	77.772	71.537	-6.235
31	42	76.815	71.221	-5.594
31	43	76.873	70.511	-6.362
31	44	76.343	70.308	-6.035
31	45	75.792	69.731	-6.061
50	4	77.003	77.659	0.656
50	5	77.642	78.772	1.130
50	6	77.917	78.075	0.158
50	7	76.123	76.180	0.057
50	8	74.926	74.765	-0.161
50	9	75.244	75.965	0.721
50	10	75.357	76.367	1.010
50	11	76.624	76.973	0.349
50	12	78.041	78.064	0.023
50	13	77.318	77.957	0.639
50	14	77.864	78.091	0.227
50	15	78.332	78.811	0.479
50	16	77.087	77.529	0.442
50	17	76.581	77.111	0.530
50	18	78.119	78.315	0.196
50	19	77.049	77.354	0.305
50	20	76.839	77.227	0.388
50	21	76.976	77.076	0.100
50	22	78.394	79.263	0.869
50	23	77.298	77.130	-0.168
50	24	77.969	77.440	-0.529
50	25	77.846	77.626	-0.220
51	36	77.127	77.102	-0.025
51	37	76.304	76.465	0.161
51	38	78.662	78.852	0.190
51	39	76.743	76.920	0.177
51	40	77.036	77.166	0.130
	Max	79.071	79.263	1.130
	Average	77.156	75.813	-1.344
	Min	74.926	69.625	-7.397
	Std Dev	0.919	3.112	2.910



13.12_Sync1_out_RiseTime_5V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	180	nS
Min Limit		nS

krad	0	20	21	30	31	50	51
LL							
Min	69.632	76.939	76.533	69.625	69.731	74.765	76.465
Average	72.379	77.748	77.606	70.632	70.662	77.443	77.301
Max	77.116	78.519	78.467	71.938	71.537	79.263	78.852
UL	180.000	180.000	180.000	180.000	180.000	180.000	180.000



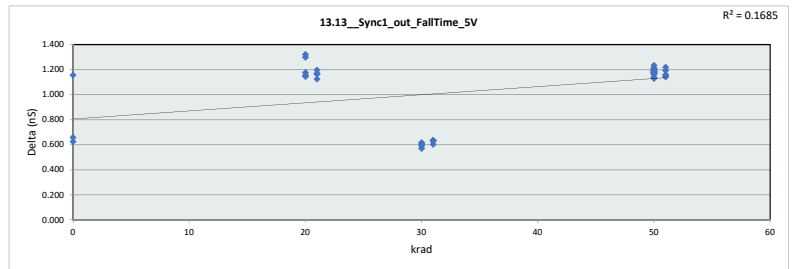
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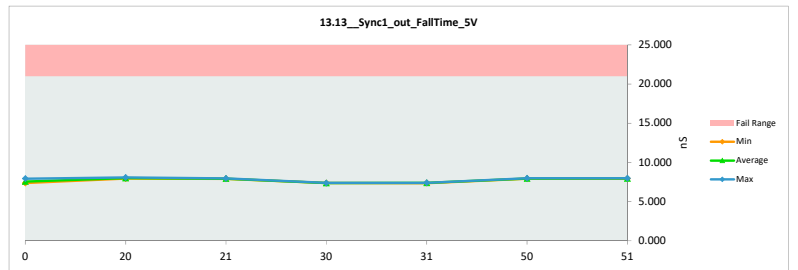
13.13_Sync1_out_FallTime_5V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	nS	nS
Max Limit	21	21
Min Limit		

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	6.731	7.389	0.658
0	2	6.756	7.381	0.625
0	3	6.777	7.933	1.156
20	31	6.750	8.049	1.299
20	32	6.771	8.092	1.321
20	33	6.785	7.941	1.156
20	34	6.805	7.950	1.145
20	35	6.766	7.944	1.178
21	46	6.768	7.964	1.196
21	47	6.792	7.917	1.125
21	48	6.781	7.945	1.164
21	49	6.759	7.925	1.166
21	50	6.751	7.920	1.169
30	26	6.807	7.377	0.570
30	27	6.773	7.365	0.592
30	28	6.774	7.376	0.602
30	29	6.764	7.380	0.616
30	30	6.767	7.381	0.614
31	41	6.779	7.410	0.631
31	42	6.775	7.408	0.633
31	43	6.763	7.366	0.603
31	44	6.761	7.394	0.633
31	45	6.771	7.406	0.635
50	4	6.735	7.941	1.206
50	5	6.772	7.962	1.190
50	6	6.757	7.939	1.182
50	7	6.809	7.943	1.134
50	8	6.758	7.948	1.190
50	9	6.776	7.970	1.194
50	10	6.771	7.944	1.173
50	11	6.768	7.978	1.210
50	12	6.783	7.949	1.166
50	13	6.775	7.988	1.213
50	14	6.784	7.959	1.175
50	15	6.769	7.965	1.196
50	16	6.791	7.958	1.167
50	17	6.778	7.967	1.189
50	18	6.806	7.969	1.163
50	19	6.779	7.956	1.177
50	20	6.806	7.988	1.182
50	21	6.797	7.985	1.188
50	22	6.756	7.933	1.177
50	23	6.785	7.925	1.140
50	24	6.796	7.925	1.129
50	25	6.730	7.964	1.234
51	36	6.765	7.985	1.220
51	37	6.795	7.937	1.142
51	38	6.799	7.992	1.193
51	39	6.783	7.942	1.159
51	40	6.808	7.958	1.150
	Max	6.809	8.092	1.321
	Average	6.775	7.822	1.046
	Min	6.730	7.365	0.570
	Std Dev	0.019	0.249	0.246



13.13_Sync1_out_FallTime_5V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	21	nS
Min Limit		nS

krad	0	20	21	30	31	50	51
LL							
Min	7.381	7.941	7.917	7.365	7.366	7.925	7.937
Average	7.567	7.995	7.934	7.376	7.397	7.957	7.963
Max	7.933	8.092	7.964	7.381	7.410	7.988	7.992
UL	21.000	21.000	21.000	21.000	21.000	21.000	21.000





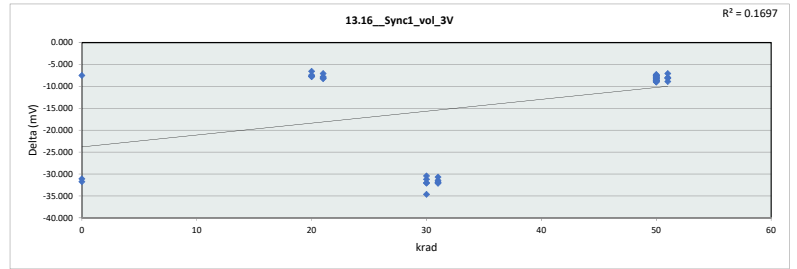
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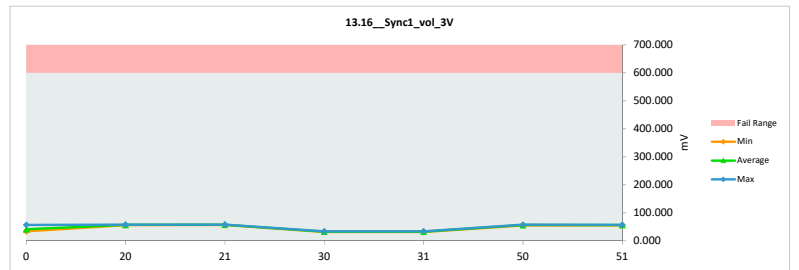
13.16_Sync1_vol_3V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	mV	mV
Max Limit	600	600
Min Limit		

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	65.327	33.559	-31.768
0	2	64.836	33.725	-31.111
0	3	64.105	56.588	-7.517
20	31	64.459	57.013	-7.446
20	32	64.147	57.606	-6.541
20	33	64.291	56.641	-7.650
20	34	64.034	56.260	-7.774
20	35	64.854	57.106	-7.748
21	46	64.662	57.613	-7.049
21	47	64.681	56.888	-7.793
21	48	64.357	56.219	-8.138
21	49	64.872	56.864	-8.008
21	50	65.635	57.419	-8.216
30	26	64.159	32.068	-32.091
30	27	64.100	33.671	-30.429
30	28	63.549	31.557	-31.992
30	29	66.201	31.563	-34.638
30	30	64.867	33.670	-31.197
31	41	63.944	32.488	-31.456
31	42	63.504	31.608	-31.896
31	43	65.525	33.647	-31.878
31	44	63.645	31.527	-32.118
31	45	64.531	33.844	-30.687
50	4	64.686	56.792	-7.894
50	5	64.519	56.232	-8.287
50	6	64.722	57.450	-7.272
50	7	64.792	56.163	-8.629
50	8	64.734	56.864	-7.870
50	9	64.359	56.774	-7.585
50	10	63.914	56.075	-7.839
50	11	64.495	55.741	-8.754
50	12	64.118	55.873	-8.245
50	13	64.384	56.219	-8.165
50	14	64.201	55.188	-9.013
50	15	64.932	55.963	-8.969
50	16	63.981	55.244	-8.737
50	17	64.693	56.145	-8.548
50	18	63.585	54.838	-8.747
50	19	64.898	57.341	-7.557
50	20	64.334	55.535	-8.799
50	21	63.992	56.520	-7.472
50	22	64.321	55.940	-8.381
50	23	64.728	57.305	-7.423
50	24	64.471	56.575	-7.896
50	25	64.782	57.215	-7.567
51	36	64.501	56.417	-8.084
51	37	63.884	56.834	-7.050
51	38	63.740	54.853	-8.887
51	39	64.561	56.568	-7.993
51	40	64.291	56.150	-8.141
	Max	66.201	57.613	-6.541
	Average	64.458	50.759	-13.699
	Min	63.504	31.527	-34.638
	Std Dev	0.534	10.257	10.284



13.16_Sync1_vol_3V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	600	mV
Min Limit		mV

krad	0	20	21	30	31	50	51
LL							
Min	33.559	56.260	56.219	31.557	31.527	54.838	54.853
Average	41.290	56.925	57.001	32.506	32.623	56.272	56.164
Max	56.588	57.606	57.613	33.671	33.844	57.450	56.834
UL	600.000	600.000	600.000	600.000	600.000	600.000	600.000



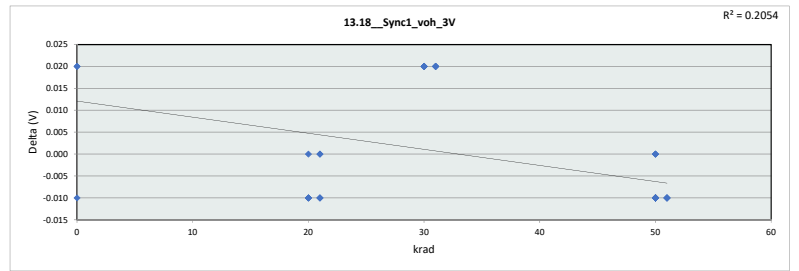
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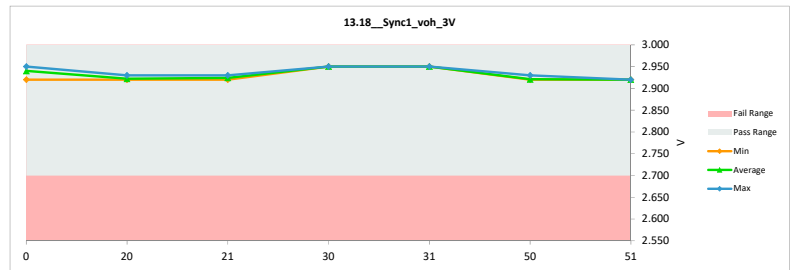
13.18_Sync1_voh_3V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	V	V
Max Limit		
Min Limit	2.7	2.7

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	2.930	2.950	0.020
0	2	2.930	2.950	0.020
0	3	2.930	2.920	-0.010
20	31	2.930	2.920	-0.010
20	32	2.930	2.920	-0.010
20	33	2.930	2.920	-0.010
20	34	2.930	2.920	-0.010
20	35	2.930	2.930	0.000
21	46	2.930	2.920	-0.010
21	47	2.930	2.920	-0.010
21	48	2.930	2.930	0.000
21	49	2.930	2.920	-0.010
21	50	2.930	2.930	0.000
30	26	2.930	2.950	0.020
30	27	2.930	2.950	0.020
30	28	2.930	2.950	0.020
30	29	2.930	2.950	0.020
30	30	2.930	2.950	0.020
31	41	2.930	2.950	0.020
31	42	2.930	2.950	0.020
31	43	2.930	2.950	0.020
31	44	2.930	2.950	0.020
31	45	2.930	2.950	0.020
50	4	2.930	2.920	-0.010
50	5	2.930	2.920	-0.010
50	6	2.930	2.920	-0.010
50	7	2.930	2.920	-0.010
50	8	2.930	2.920	-0.010
50	9	2.930	2.920	-0.010
50	10	2.920	2.920	0.000
50	11	2.930	2.920	-0.010
50	12	2.930	2.920	-0.010
50	13	2.930	2.920	-0.010
50	14	2.930	2.920	-0.010
50	15	2.930	2.920	-0.010
50	16	2.930	2.920	-0.010
50	17	2.930	2.930	0.000
50	18	2.930	2.920	-0.010
50	19	2.930	2.920	-0.010
50	20	2.930	2.920	-0.010
50	21	2.930	2.920	-0.010
50	22	2.930	2.930	0.000
50	23	2.930	2.920	-0.010
50	24	2.930	2.920	-0.010
50	25	2.930	2.920	-0.010
51	36	2.930	2.920	-0.010
51	37	2.930	2.920	-0.010
51	38	2.930	2.920	-0.010
51	39	2.930	2.920	-0.010
51	40	2.930	2.920	-0.010
	Max	2.930	2.950	0.020
	Average	2.930	2.928	-0.002
	Min	2.920	2.920	-0.010
	Std Dev	0.001	0.013	0.013



13.18_Sync1_voh_3V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	V	
Min Limit	2.7	V

krad	0	20	21	30	31	50	51
LL	2.700	2.700	2.700	2.700	2.700	2.700	2.700
Min	2.920	2.920	2.920	2.950	2.950	2.920	2.920
Average	2.940	2.922	2.924	2.950	2.950	2.921	2.920
Max	2.950	2.930	2.930	2.950	2.950	2.930	2.920
UL							



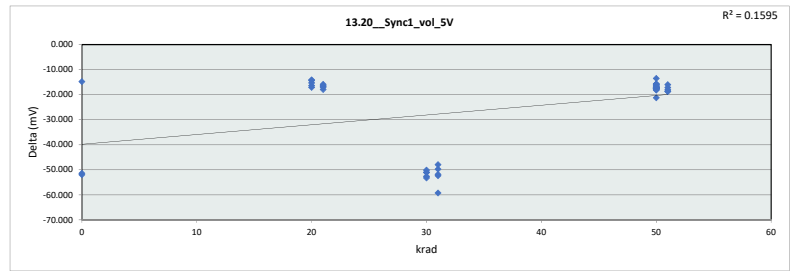
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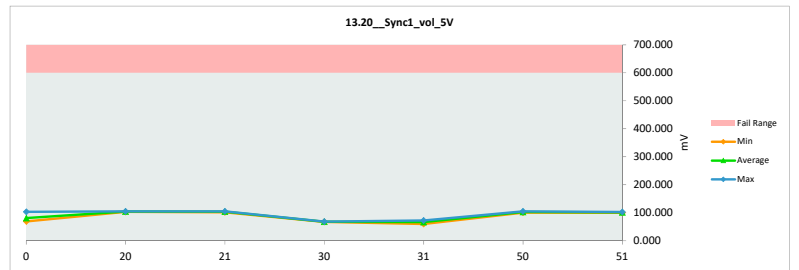
13.20_Sync1_vol_5V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	mV	mV
Max Limit	600	600
Min Limit		

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	121.793	70.396	-51.397
0	2	121.392	69.437	-51.955
0	3	118.368	103.558	-14.810
20	31	120.506	105.208	-15.298
20	32	120.270	103.199	-17.071
20	33	119.155	104.801	-14.354
20	34	119.421	105.331	-14.090
20	35	121.092	104.703	-16.389
21	46	120.625	103.803	-16.822
21	47	121.056	104.673	-16.383
21	48	119.842	101.939	-17.903
21	49	120.938	105.058	-15.880
21	50	122.121	105.158	-16.963
30	26	118.685	68.539	-50.146
30	27	121.829	68.539	-53.290
30	28	118.757	67.720	-51.037
30	29	118.653	67.539	-51.114
30	30	120.955	68.356	-52.599
31	41	117.507	65.120	-52.387
31	42	119.520	60.281	-59.239
31	43	120.691	72.713	-47.978
31	44	118.931	67.080	-51.851
31	45	120.068	70.297	-49.771
50	4	120.074	102.683	-17.391
50	5	120.115	102.142	-17.973
50	6	121.475	105.283	-16.192
50	7	120.098	104.433	-15.665
50	8	121.440	103.924	-17.516
50	9	115.788	102.269	-13.519
50	10	119.787	102.160	-17.627
50	11	120.158	102.527	-17.631
50	12	119.122	102.095	-17.027
50	13	120.476	103.114	-17.362
50	14	119.867	102.130	-17.737
50	15	122.035	100.789	-21.246
50	16	119.482	102.020	-17.462
50	17	120.859	103.537	-17.322
50	18	117.253	101.459	-15.794
50	19	121.164	102.958	-18.206
50	20	120.745	103.930	-16.815
50	21	120.398	103.214	-17.184
50	22	119.997	103.018	-16.979
50	23	120.787	103.622	-17.165
50	24	119.991	103.495	-16.496
50	25	120.733	104.890	-15.843
51	36	120.721	102.702	-18.019
51	37	120.931	102.287	-18.644
51	38	116.261	100.239	-16.022
51	39	120.044	102.861	-17.183
51	40	120.988	102.250	-18.738
	Max	122.121	105.331	-13.519
	Average	120.059	94.790	-25.270
	Min	115.788	60.281	-59.239
	Std Dev	1.355	15.318	15.219



13.20_Sync1_vol_5V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	600	mV
Min Limit		mV

krad	0	20	21	30	31	50	51
LL							
Min	69.437	103.199	101.939	67.539	60.281	100.789	100.239
Average	81.130	104.648	104.126	68.139	67.098	102.986	102.068
Max	103.558	105.331	105.158	68.539	72.713	105.283	102.861
UL	600.000	600.000	600.000	600.000	600.000	600.000	600.000



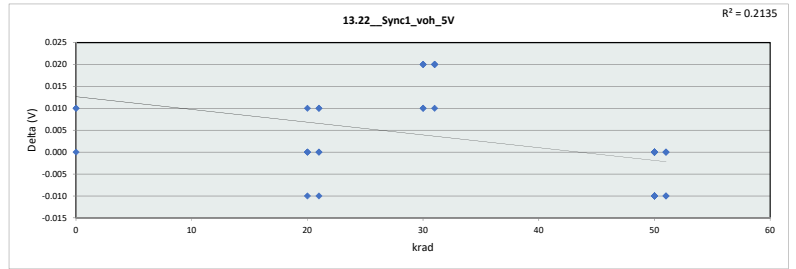
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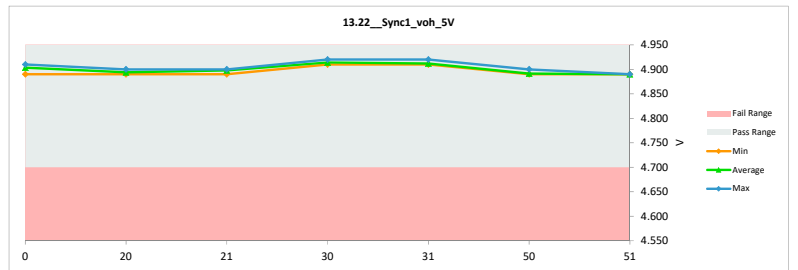
13.22_Sync1_voh_5V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	V	V
Max Limit		
Min Limit	4.7	4.7

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	4.900	4.910	0.010
0	2	4.900	4.910	0.010
0	3	4.890	4.890	0.000
20	31	4.890	4.890	0.000
20	32	4.890	4.900	0.010
20	33	4.900	4.900	0.000
20	34	4.900	4.890	-0.010
20	35	4.890	4.890	0.000
21	46	4.900	4.900	0.000
21	47	4.900	4.890	-0.010
21	48	4.890	4.900	0.010
21	49	4.900	4.900	0.000
21	50	4.890	4.900	0.010
30	26	4.900	4.920	0.020
30	27	4.900	4.910	0.010
30	28	4.890	4.910	0.020
30	29	4.900	4.920	0.020
30	30	4.900	4.910	0.010
31	41	4.890	4.910	0.020
31	42	4.900	4.920	0.020
31	43	4.890	4.910	0.020
31	44	4.900	4.910	0.010
31	45	4.890	4.910	0.020
50	4	4.900	4.900	0.000
50	5	4.890	4.890	0.000
50	6	4.900	4.890	-0.010
50	7	4.900	4.890	-0.010
50	8	4.900	4.890	-0.010
50	9	4.900	4.890	-0.010
50	10	4.900	4.900	0.000
50	11	4.890	4.890	0.000
50	12	4.890	4.890	0.000
50	13	4.900	4.890	-0.010
50	14	4.890	4.890	0.000
50	15	4.900	4.890	-0.010
50	16	4.890	4.890	0.000
50	17	4.900	4.890	-0.010
50	18	4.900	4.890	-0.010
50	19	4.890	4.890	0.000
50	20	4.900	4.890	-0.010
50	21	4.890	4.890	0.000
50	22	4.890	4.890	0.000
50	23	4.890	4.890	0.000
50	24	4.900	4.900	0.000
50	25	4.890	4.890	0.000
51	36	4.890	4.890	0.000
51	37	4.900	4.890	-0.010
51	38	4.890	4.890	0.000
51	39	4.900	4.890	-0.010
51	40	4.890	4.890	0.000
	Max	4.900	4.920	0.020
	Average	4.895	4.897	0.002
	Min	4.890	4.890	-0.010
	Std Dev	0.005	0.010	0.010



13.22_Sync1_voh_5V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	V	
Min Limit	4.7	V

krad	0	20	21	30	31	50	51
LL	4.700	4.700	4.700	4.700	4.700	4.700	4.700
Min	4.890	4.890	4.890	4.910	4.910	4.890	4.890
Average	4.903	4.894	4.898	4.914	4.912	4.891	4.890
Max	4.910	4.900	4.900	4.920	4.920	4.900	4.890
UL							



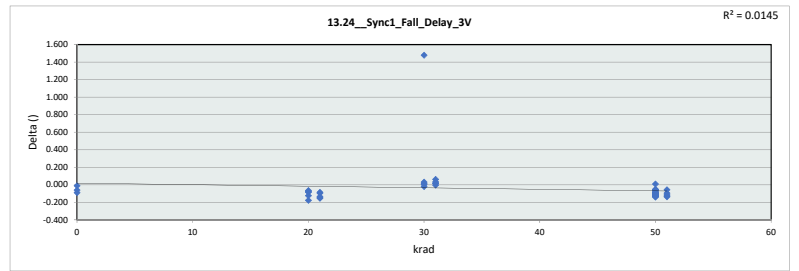
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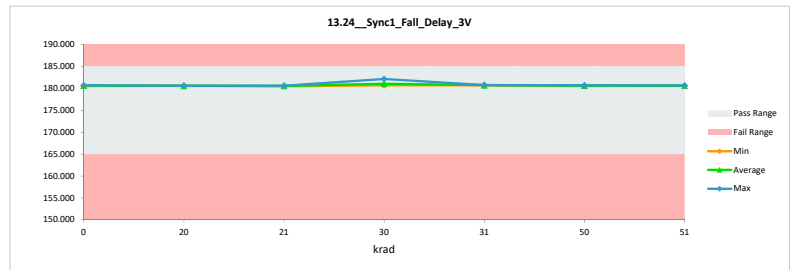
13.24_Sync1_Fall_Delay_3V			
Test Site	Junkins/Dallas	Junkins/Dallas	
Tester	FETS36405	FETS36405,FETS36412	
Test Number	EB545302	EB545302	
Unit			
Max Limit	185	185	
Min Limit	165	165	

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	180.699	180.688	-0.011
0	2	180.767	180.706	-0.061
0	3	180.639	180.549	-0.090
20	31	180.684	180.618	-0.066
20	32	180.681	180.602	-0.079
20	33	180.695	180.611	-0.084
20	34	180.748	180.623	-0.125
20	35	180.750	180.572	-0.178
21	46	180.773	180.619	-0.154
21	47	180.742	180.596	-0.146
21	48	180.693	180.597	-0.096
21	49	180.651	180.564	-0.087
21	50	180.662	180.527	-0.135
30	26	180.772	180.802	0.030
30	27	180.801	180.780	-0.021
30	28	180.699	182.178	1.479
30	29	180.822	180.826	0.004
30	30	180.720	180.735	0.015
31	41	180.690	180.752	0.062
31	42	180.752	180.768	0.016
31	43	180.732	180.729	-0.003
31	44	180.728	180.746	0.018
31	45	180.741	180.773	0.032
50	4	180.661	180.669	0.008
50	5	180.734	180.604	-0.130
50	6	180.723	180.626	-0.097
50	7	180.675	180.624	-0.051
50	8	180.728	180.619	-0.109
50	9	180.789	180.674	-0.115
50	10	180.701	180.590	-0.111
50	11	180.684	180.591	-0.093
50	12	180.712	180.596	-0.116
50	13	180.701	180.647	-0.054
50	14	180.707	180.590	-0.117
50	15	180.746	180.675	-0.071
50	16	180.792	180.650	-0.142
50	17	180.719	180.619	-0.100
50	18	180.785	180.714	-0.071
50	19	180.750	180.663	-0.087
50	20	180.746	180.644	-0.102
50	21	180.707	180.606	-0.101
50	22	180.660	180.546	-0.114
50	23	180.699	180.591	-0.108
50	24	180.739	180.610	-0.129
50	25	180.723	180.593	-0.130
51	36	180.725	180.589	-0.136
51	37	180.742	180.614	-0.128
51	38	180.775	180.680	-0.095
51	39	180.762	180.647	-0.115
51	40	180.735	180.679	-0.056
	Max	180.822	182.178	1.479
	Average	180.725	180.678	-0.047
	Min	180.639	180.527	-0.178
	Std Dev	0.041	0.228	0.227



13.24_Sync1_Fall_Delay_3V			
Test Site	Junkins/Dallas		
Tester	FETS36405		
Test Number	EB545302		
Max Limit	185		
Min Limit	165		

krad	0	20	21	30	31	50	51
LL	165.000	165.000	165.000	165.000	165.000	165.000	165.000
Min	180.549	180.572	180.527	180.735	180.729	180.546	180.589
Average	180.648	180.605	180.581	181.064	180.753	180.625	180.642
Max	180.706	180.623	180.619	182.178	180.773	180.714	180.680
UL	185.000	185.000	185.000	185.000	185.000	185.000	185.000



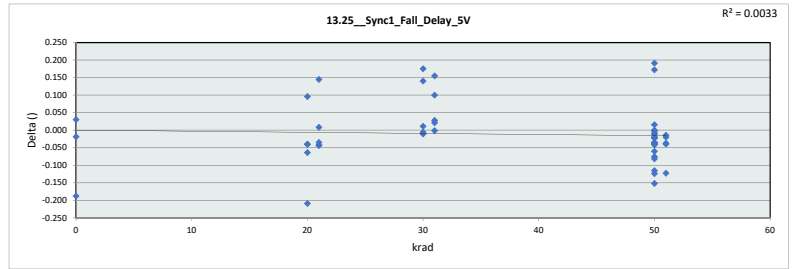
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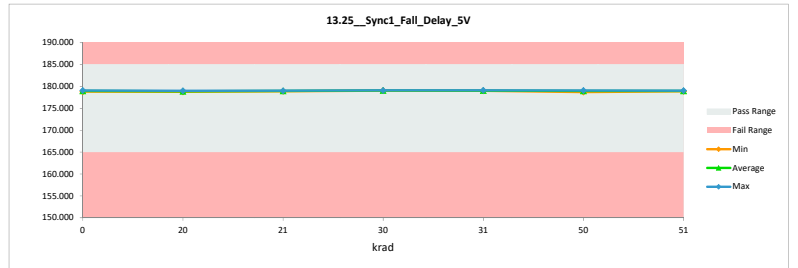
13.25_Sync1_Fall_Delay_5V			
Test Site	Junkins/Dallas	Junkins/Dallas	
Tester	FETS36405	FETS36405,FETS36412	
Test Number	EB545302	EB545302	
Unit			
Max Limit	185	185	
Min Limit	165	165	

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	179.003	179.033	0.030
0	2	179.099	179.081	-0.018
0	3	178.999	178.811	-0.188
20	31	178.932	179.028	0.096
20	32	178.987	178.778	-0.209
20	33	178.903	178.863	-0.040
20	34	179.041	178.977	-0.064
20	35	179.001	178.961	-0.040
21	46	179.079	179.036	-0.043
21	47	179.031	178.996	-0.035
21	48	178.877	179.022	0.145
21	49	178.959	178.916	-0.043
21	50	178.933	178.941	0.008
30	26	178.966	179.106	0.140
30	27	179.076	179.087	0.011
30	28	178.883	179.058	0.175
30	29	179.092	179.081	-0.011
30	30	179.082	179.076	-0.006
31	41	178.922	179.022	0.100
31	42	179.042	179.041	-0.001
31	43	179.070	179.098	0.028
31	44	179.003	179.024	0.021
31	45	178.957	179.112	0.155
50	4	178.890	179.081	0.191
50	5	178.986	178.967	-0.019
50	6	179.095	179.060	-0.035
50	7	178.869	179.041	0.172
50	8	179.033	179.022	-0.011
50	9	179.086	179.026	-0.060
50	10	178.818	178.736	-0.082
50	11	178.986	178.951	-0.035
50	12	178.997	178.957	-0.040
50	13	178.904	178.895	-0.009
50	14	179.011	178.896	-0.115
50	15	179.091	179.054	-0.037
50	16	179.054	179.031	-0.023
50	17	179.048	178.924	-0.124
50	18	179.082	179.061	-0.021
50	19	179.068	179.031	-0.037
50	20	179.070	179.070	0.000
50	21	178.957	178.972	0.015
50	22	178.821	178.745	-0.076
50	23	178.963	178.922	-0.041
50	24	179.031	179.028	-0.003
50	25	179.042	178.890	-0.152
51	36	179.046	178.923	-0.123
51	37	179.016	178.996	-0.020
51	38	179.087	179.050	-0.037
51	39	179.087	179.047	-0.040
51	40	178.932	178.917	-0.015
	Max	179.099	179.112	0.191
	Average	179.000	178.989	-0.011
	Min	178.818	178.736	-0.209
	Std Dev	0.076	0.092	0.086



13.25_Sync1_Fall_Delay_5V			
Test Site	Junkins/Dallas		
Tester	FETS36405		
Test Number	EB545302		
Max Limit	185		
Min Limit	165		

krad	0	20	21	30	31	50	51
LL	165.000	165.000	165.000	165.000	165.000	165.000	165.000
Min	178.811	178.778	178.916	179.058	179.022	178.736	178.917
Average	178.975	178.922	178.982	179.082	179.059	178.971	178.987
Max	179.081	179.028	179.036	179.106	179.112	179.081	179.050
UL	185.000	185.000	185.000	185.000	185.000	185.000	185.000



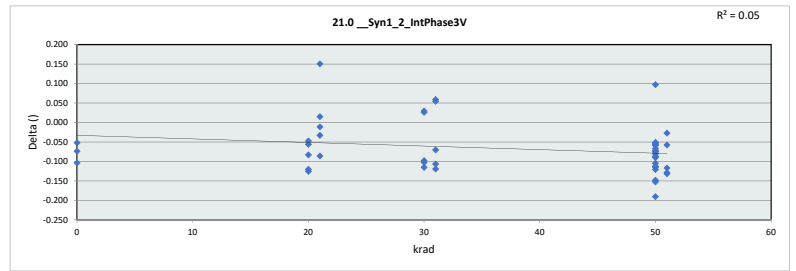
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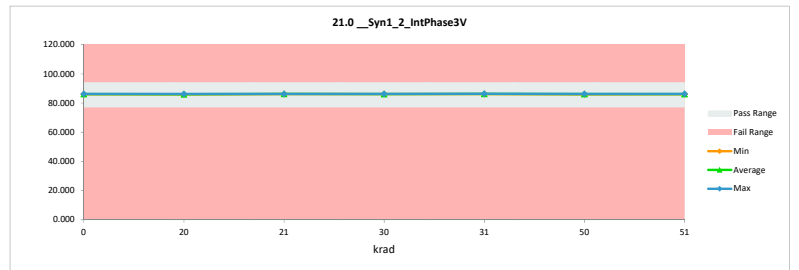
21.0_Syn1_2_IntPhase3V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit		
Max Limit	94	94
Min Limit	77	77

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	86.371	86.267	-0.104
0	2	86.401	86.327	-0.074
0	3	86.107	86.055	-0.052
20	31	86.196	86.070	-0.126
20	32	86.103	85.983	-0.120
20	33	86.114	86.067	-0.047
20	34	86.247	86.164	-0.083
20	35	86.285	86.229	-0.056
21	46	86.344	86.258	-0.086
21	47	86.249	86.216	-0.033
21	48	86.160	86.311	0.151
21	49	86.177	86.166	-0.011
21	50	86.226	86.241	0.015
30	26	86.178	86.207	0.029
30	27	86.366	86.263	-0.103
30	28	86.117	86.143	0.026
30	29	86.359	86.261	-0.098
30	30	86.334	86.219	-0.115
31	41	86.169	86.228	0.059
31	42	86.266	86.195	-0.071
31	43	86.405	86.298	-0.107
31	44	86.289	86.170	-0.119
31	45	86.311	86.365	0.054
50	4	86.123	86.033	-0.090
50	5	86.168	86.109	-0.059
50	6	86.303	86.216	-0.087
50	7	86.179	86.276	0.097
50	8	86.353	86.241	-0.112
50	9	86.350	86.276	-0.074
50	10	86.134	86.067	-0.067
50	11	86.140	86.088	-0.052
50	12	86.219	86.098	-0.121
50	13	86.106	86.055	-0.051
50	14	86.241	86.088	-0.153
50	15	86.315	86.241	-0.074
50	16	86.247	86.167	-0.080
50	17	86.222	86.117	-0.105
50	18	86.316	86.240	-0.076
50	19	86.335	86.263	-0.072
50	20	86.332	86.275	-0.057
50	21	86.251	86.196	-0.055
50	22	86.056	85.908	-0.148
50	23	86.176	86.061	-0.115
50	24	86.288	86.199	-0.089
50	25	86.349	86.159	-0.190
51	36	86.242	86.110	-0.132
51	37	86.229	86.112	-0.117
51	38	86.278	86.149	-0.129
51	39	86.345	86.318	-0.027
51	40	86.119	86.061	-0.058
	Max	86.405	86.365	0.151
	Average	86.244	86.177	-0.067
	Min	86.056	85.908	-0.190
	Std Dev	0.092	0.098	0.065



21.0_Syn1_2_IntPhase3V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	94	
Min Limit	77	

krad	0	20	21	30	31	50	51
LL	77.000	77.000	77.000	77.000	77.000	77.000	77.000
Min	86.055	85.983	86.166	86.143	86.170	85.908	86.061
Average	86.217	86.102	86.238	86.219	86.251	86.153	86.150
Max	86.327	86.229	86.311	86.263	86.365	86.276	86.318
UL	94.000	94.000	94.000	94.000	94.000	94.000	94.000



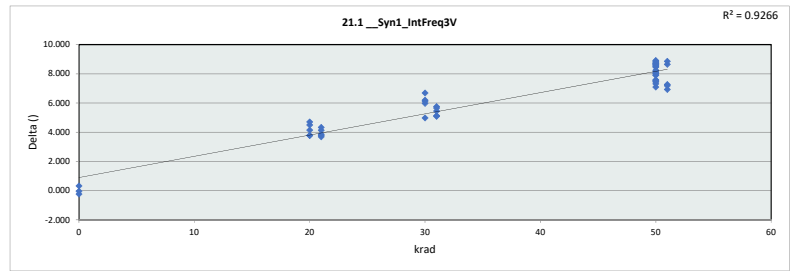
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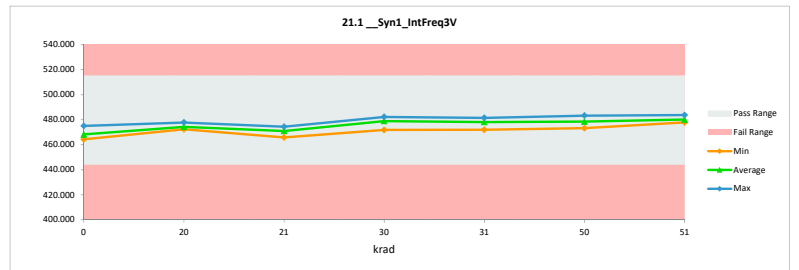
21.1_Syn1_IntFreq3V			
Test Site	Junkins/Dallas	Junkins/Dallas	
Tester	FETS36405	FETS36405,FETS36412	
Test Number	EB545302	EB545302	
Unit			
Max Limit	515	515	
Min Limit	444	444	

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	465.575	465.336	-0.239
0	2	464.407	464.369	-0.038
0	3	474.803	475.124	0.321
20	31	469.630	473.407	3.777
20	32	473.162	477.861	4.699
20	33	469.769	473.918	4.149
20	34	470.186	473.974	3.788
20	35	467.928	472.418	4.490
21	46	468.350	472.482	4.132
21	47	466.605	470.465	3.860
21	48	470.713	474.496	3.783
21	49	467.772	472.106	4.334
21	50	462.194	465.875	3.681
30	26	473.815	478.792	4.977
30	27	473.630	479.763	6.133
30	28	476.378	482.349	5.971
30	29	475.975	482.164	6.189
30	30	465.218	471.910	6.692
31	41	474.083	479.172	5.089
31	42	475.920	481.578	5.658
31	43	466.321	472.071	5.750
31	44	475.673	480.801	5.128
31	45	472.051	477.499	5.448
50	4	470.941	479.558	8.617
50	5	469.804	478.376	8.572
50	6	467.439	475.342	7.903
50	7	468.328	475.421	7.093
50	8	469.420	476.918	7.498
50	9	474.433	483.086	8.653
50	10	475.060	483.306	8.246
50	11	471.614	480.528	8.914
50	12	471.127	479.821	8.694
50	13	471.071	479.143	8.072
50	14	470.472	479.197	8.725
50	15	465.364	473.280	7.916
50	16	473.785	482.241	8.456
50	17	469.432	478.288	8.856
50	18	474.560	483.352	8.792
50	19	466.833	474.276	7.443
50	20	470.467	478.492	8.025
50	21	472.733	481.227	8.494
50	22	469.080	476.631	7.551
50	23	470.183	478.318	8.135
50	24	469.461	476.772	7.311
50	25	466.685	474.271	7.586
51	36	468.981	477.833	8.852
51	37	475.088	483.736	8.648
51	38	473.580	480.849	7.269
51	39	473.458	480.390	6.932
51	40	470.715	477.897	7.182
	Max	476.378	483.736	8.914
	Average	470.605	476.930	6.324
	Min	462.194	464.369	-0.239
	Std Dev	3.439	4.606	2.359



21.1_Syn1_IntFreq3V			
Test Site	Junkins/Dallas		
Tester	FETS36405		
Test Number	EB545302		
Max Limit	515		
Min Limit	444		

krad	0	20	21	30	31	50	51
LL	444.000	444.000	444.000	444.000	444.000	444.000	444.000
Min	464.369	472.418	465.875	471.910	472.071	473.280	477.833
Average	468.276	474.316	471.085	478.995	478.224	478.538	480.141
Max	475.124	477.861	474.496	482.349	481.578	483.352	483.736
UL	515.000	515.000	515.000	515.000	515.000	515.000	515.000





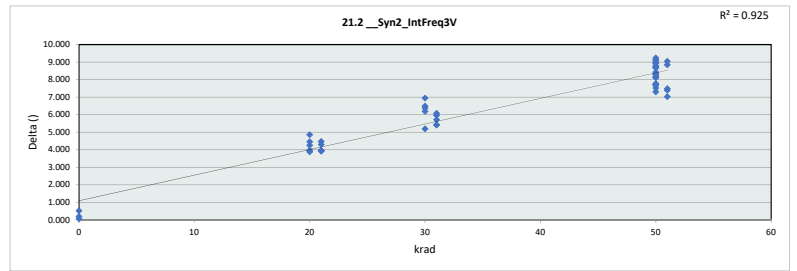
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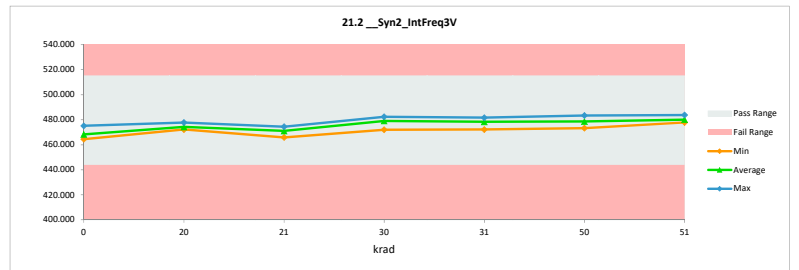
21.2_Syn2_IntFreq3V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit		
Max Limit	515	515
Min Limit	444	444

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	465.380	465.441	0.061
0	2	464.258	464.450	0.192
0	3	474.623	475.143	0.520
20	31	469.433	473.310	3.877
20	32	472.921	477.779	4.858
20	33	469.554	473.812	4.258
20	34	469.964	473.940	3.976
20	35	467.724	472.178	4.454
21	46	468.147	472.446	4.299
21	47	466.447	470.403	3.956
21	48	470.442	474.401	3.959
21	49	467.510	471.982	4.472
21	50	461.889	465.808	3.919
30	26	473.648	478.845	5.197
30	27	473.449	479.821	6.372
30	28	476.168	482.355	6.187
30	29	475.766	482.257	6.491
30	30	465.042	471.986	6.944
31	41	473.855	479.281	5.426
31	42	475.702	481.662	5.960
31	43	466.077	472.154	6.077
31	44	475.467	480.877	5.410
31	45	471.842	477.556	5.714
50	4	470.795	480.037	9.242
50	5	469.640	478.357	8.717
50	6	467.224	475.353	8.129
50	7	468.111	475.415	7.304
50	8	469.205	476.916	7.711
50	9	474.262	483.056	8.794
50	10	474.838	483.267	8.429
50	11	471.400	480.505	9.105
50	12	470.900	479.835	8.935
50	13	470.859	479.154	8.295
50	14	470.259	479.215	8.956
50	15	465.130	473.242	8.112
50	16	473.575	482.263	8.688
50	17	469.199	478.305	9.106
50	18	474.362	483.355	8.993
50	19	466.624	474.298	7.674
50	20	470.288	478.485	8.197
50	21	472.541	481.210	8.669
50	22	468.874	476.649	7.775
50	23	469.983	478.323	8.340
50	24	469.275	476.794	7.519
50	25	466.567	474.281	7.714
51	36	468.785	477.828	9.043
51	37	474.873	483.721	8.848
51	38	473.356	480.844	7.488
51	39	473.224	480.250	7.026
51	40	470.511	477.900	7.389
	Max	476.168	483.721	9.242
	Average	470.399	476.935	6.535
	Min	461.889	464.450	0.061
	Std Dev	3.440	4.620	2.370



21.2_Syn2_IntFreq3V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	515	
Min Limit	444	

krad	0	20	21	30	31	50	51
LL	444.000	444.000	444.000	444.000	444.000	444.000	444.000
Min	464.450	472.178	465.808	471.986	472.154	473.242	477.828
Average	468.345	474.204	471.008	479.053	478.306	478.560	480.109
Max	475.143	477.779	474.401	482.355	481.662	483.355	483.721
UL	515.000	515.000	515.000	515.000	515.000	515.000	515.000



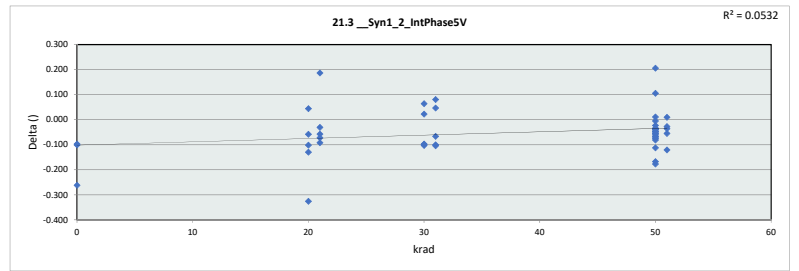
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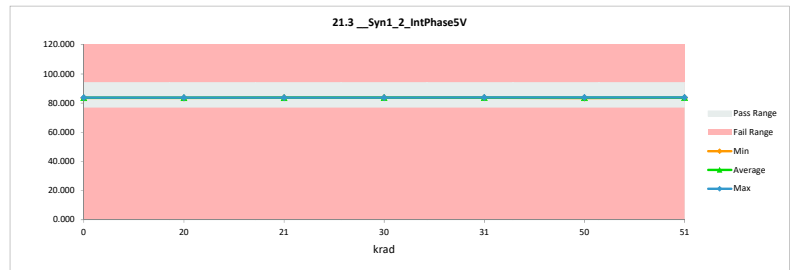
21.3_Syn1_2_IntPhase5V			
Test Site	Junkins/Dallas	Junkins/Dallas	
Tester	FETS36405	FETS36405,FETS36412	
Test Number	EB545302	EB545302	
Unit			
Max Limit	94	94	
Min Limit	77	77	

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	83.721	83.624	-0.097
0	2	83.858	83.757	-0.101
0	3	83.732	83.470	-0.262
20	31	83.658	83.702	0.044
20	32	83.806	83.480	-0.326
20	33	83.592	83.491	-0.101
20	34	83.779	83.650	-0.129
20	35	83.777	83.719	-0.058
21	46	83.822	83.730	-0.092
21	47	83.728	83.697	-0.031
21	48	83.573	83.759	0.186
21	49	83.688	83.630	-0.058
21	50	83.719	83.647	-0.072
30	26	83.715	83.738	0.023
30	27	83.820	83.723	-0.097
30	28	83.598	83.662	0.064
30	29	83.845	83.746	-0.099
30	30	83.789	83.686	-0.103
31	41	83.638	83.685	0.047
31	42	83.755	83.689	-0.066
31	43	83.853	83.753	-0.100
31	44	83.719	83.615	-0.104
31	45	83.753	83.834	0.081
50	4	83.614	83.820	0.206
50	5	83.670	83.609	-0.061
50	6	83.835	83.795	-0.040
50	7	83.626	83.732	0.106
50	8	83.806	83.759	-0.047
50	9	83.811	83.744	-0.067
50	10	83.546	83.477	-0.069
50	11	83.662	83.657	-0.005
50	12	83.697	83.651	-0.046
50	13	83.667	83.630	-0.037
50	14	83.724	83.556	-0.168
50	15	83.809	83.774	-0.035
50	16	83.804	83.770	-0.034
50	17	83.811	83.699	-0.112
50	18	83.804	83.748	-0.056
50	19	83.812	83.777	-0.035
50	20	83.852	83.829	-0.023
50	21	83.719	83.730	0.011
50	22	83.536	83.455	-0.081
50	23	83.701	83.626	-0.075
50	24	83.748	83.695	-0.053
50	25	83.795	83.618	-0.177
51	36	83.808	83.687	-0.121
51	37	83.772	83.717	-0.055
51	38	83.771	83.743	-0.028
51	39	83.826	83.836	0.010
51	40	83.646	83.610	-0.036
Max		83.858	83.836	0.206
Average		83.736	83.685	-0.052
Min		83.536	83.455	-0.326
Std Dev		0.086	0.095	0.091



21.3_Syn1_2_IntPhase5V			
Test Site	Junkins/Dallas		
Tester	FETS36405		
Test Number	EB545302		
Max Limit	94		
Min Limit	77		

krad	0	20	21	30	31	50	51
LL	77.000	77.000	77.000	77.000	77.000	77.000	77.000
Min	83.470	83.480	83.630	83.662	83.615	83.455	83.610
Average	83.617	83.608	83.693	83.711	83.715	83.689	83.719
Max	83.757	83.719	83.759	83.746	83.834	83.829	83.836
UL	94.000	94.000	94.000	94.000	94.000	94.000	94.000



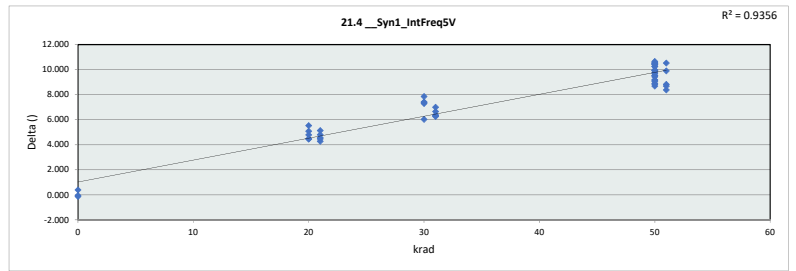
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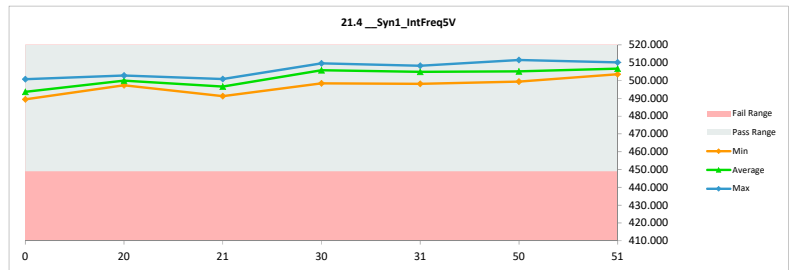
21.4_Syn1_IntFreq5V	
Test Site	Junkins/Dallas
Tester	FETS36405
Test Number	EB545302
Unit	
Max Limit	
Min Limit	449

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	491.014	490.880	-0.134
0	2	489.465	489.409	-0.056
0	3	500.284	500.675	0.391
20	31	494.490	498.958	4.468
20	32	497.282	502.806	5.524
20	33	495.934	500.720	4.786
20	34	495.588	500.037	4.449
20	35	492.180	497.266	5.086
21	46	492.753	497.556	4.803
21	47	490.875	495.343	4.468
21	48	496.232	500.792	4.560
21	49	492.860	497.991	5.131
21	50	486.934	491.207	4.273
30	26	498.485	504.511	6.026
30	27	499.710	507.074	7.364
30	28	502.290	509.584	7.294
30	29	501.850	509.268	7.418
30	30	490.567	498.419	7.852
31	41	500.145	506.468	6.323
31	42	501.303	507.961	6.658
31	43	491.099	498.093	6.994
31	44	502.013	508.271	6.258
31	45	496.965	503.331	6.366
50	4	495.606	505.843	10.237
50	5	495.527	505.797	10.270
50	6	491.027	500.450	9.423
50	7	493.685	502.370	8.685
50	8	494.459	503.635	9.176
50	9	499.804	510.315	10.511
50	10	500.969	510.901	9.932
50	11	496.608	507.111	10.503
50	12	496.985	507.395	10.410
50	13	495.520	505.307	9.787
50	14	496.237	506.816	10.579
50	15	489.834	499.354	9.520
50	16	498.839	508.818	9.979
50	17	493.840	504.264	10.424
50	18	500.828	511.485	10.657
50	19	491.559	500.728	9.169
50	20	494.924	504.458	9.534
50	21	498.188	508.110	9.922
50	22	493.745	502.790	9.045
50	23	494.026	503.715	9.689
50	24	494.791	503.638	8.848
50	25	491.124	499.982	8.858
51	36	492.958	503.484	10.526
51	37	500.218	510.116	9.898
51	38	499.121	507.948	8.827
51	39	498.640	507.012	8.372
51	40	495.961	504.640	8.679
	Max	502.290	511.485	10.657
	Average	495.707	503.262	7.555
	Min	486.934	489.409	-0.134
	Std Dev	3.807	5.188	2.827



21.4_Syn1_IntFreq5V	
Test Site	Junkins/Dallas
Tester	FETS36405
Test Number	EB545302
Max Limit	
Min Limit	449

krad	0	20	21	30	31	50	51
LL	449.000	449.000	449.000	449.000	449.000	449.000	449.000
Min	489.409	497.266	491.207	498.419	498.093	499.354	503.485
Average	493.655	499.957	496.578	505.771	504.825	505.149	506.640
Max	500.675	502.806	500.792	509.584	508.271	511.485	510.116
UL							



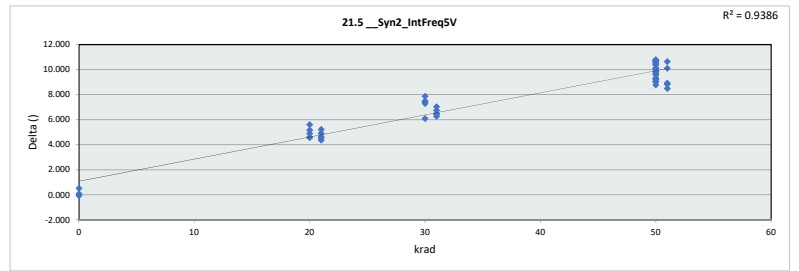
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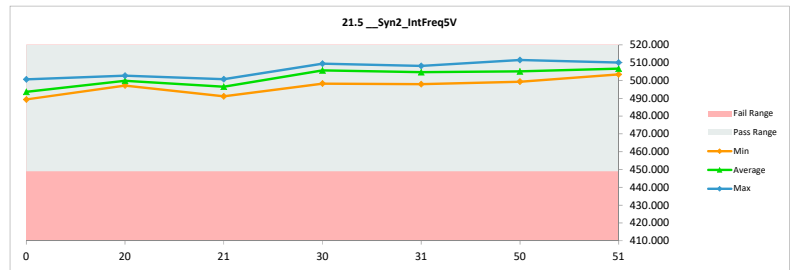
		21.5_Syn2_IntFreq5V	
Test Site		Junkins/Dallas	Junkins/Dallas
Tester		FETS36405	FETS36405,FETS36412
Test Number		EB545302	EB545302
Unit			
Max Limit			
Min Limit		449	449

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	490.858	490.784	-0.074
0	2	489.273	489.351	0.078
0	3	500.110	500.626	0.516
20	31	494.269	498.869	4.600
20	32	497.123	502.726	5.603
20	33	495.767	500.655	4.888
20	34	495.376	499.943	4.567
20	35	492.008	497.180	5.172
21	46	492.589	497.501	4.912
21	47	490.724	495.269	4.545
21	48	496.069	500.705	4.636
21	49	492.696	497.919	5.223
21	50	486.748	491.108	4.360
30	26	498.310	504.402	6.092
30	27	499.569	506.990	7.421
30	28	502.125	509.421	7.296
30	29	501.659	509.151	7.492
30	30	490.394	498.262	7.868
31	41	499.930	506.371	6.441
31	42	501.118	507.864	6.746
31	43	490.903	497.935	7.032
31	44	501.883	508.154	6.271
31	45	496.758	503.244	6.486
50	4	495.408	505.802	10.394
50	5	495.369	505.751	10.382
50	6	490.912	500.481	9.569
50	7	493.563	502.341	8.778
50	8	494.321	503.599	9.278
50	9	499.651	510.344	10.693
50	10	500.785	510.873	10.088
50	11	496.437	507.078	10.641
50	12	496.821	507.327	10.506
50	13	495.388	505.279	9.891
50	14	496.063	506.803	10.740
50	15	489.634	499.349	9.715
50	16	498.645	508.779	10.134
50	17	493.669	504.219	10.550
50	18	500.671	511.466	10.795
50	19	491.399	500.712	9.313
50	20	494.748	504.434	9.686
50	21	497.973	508.077	10.104
50	22	493.576	502.767	9.191
50	23	493.834	503.694	9.860
50	24	494.605	503.648	9.043
50	25	491.001	500.023	9.022
51	36	492.796	503.432	10.636
51	37	499.997	510.098	10.101
51	38	498.967	507.898	8.931
51	39	498.470	506.958	8.488
51	40	495.799	504.619	8.820
	Max	502.125	511.466	10.795
	Average	495.535	503.206	7.670
	Min	486.748	489.351	-0.074
	Std Dev	3.804	5.197	2.846



		21.5_Syn2_IntFreq5V	
Test Site		Junkins/Dallas	
Tester		FETS36405	
Test Number		EB545302	
Max Limit			
Min Limit		449	

krad	0	20	21	30	31	50	51
LL	449.000	449.000	449.000	449.000	449.000	449.000	449.000
Min	489.351	497.180	491.108	498.262	497.935	499.349	503.432
Average	493.587	499.875	496.500	505.645	504.714	505.129	506.601
Max	500.626	502.726	500.705	509.421	508.154	511.466	510.098
UL							



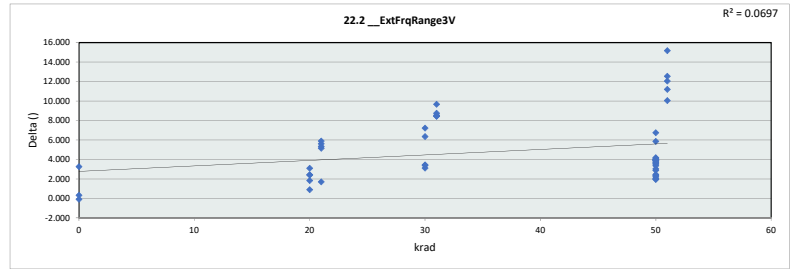
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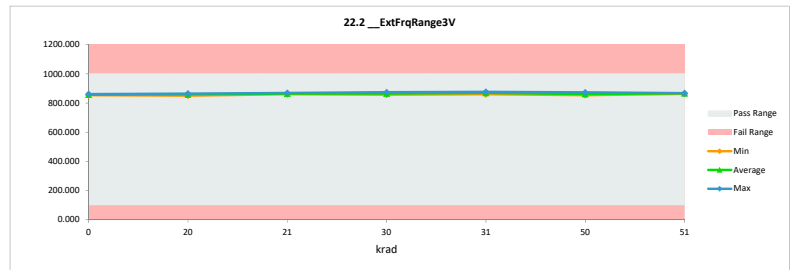
22.2_ExtFrqRange3V			
Test Site	Junkins/Dallas	Junkins/Dallas	
Tester	FETS36405	FETS36405,FETS36412	
Test Number	EB545302	EB545302	
Unit			
Max Limit	1000	1000	
Min Limit	100	100	

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	852.360	855.612	3.252
0	2	853.252	853.563	0.311
0	3	861.699	861.606	-0.093
20	31	862.092	864.519	2.427
20	32	856.671	859.758	3.087
20	33	859.178	860.999	1.821
20	34	860.914	861.812	0.898
20	35	848.099	850.508	2.409
21	46	858.652	863.806	5.154
21	47	857.444	863.333	5.889
21	48	867.565	869.255	1.690
21	49	857.943	863.554	5.611
21	50	855.350	860.680	5.330
30	26	853.439	856.870	3.430
30	27	859.572	862.679	3.107
30	28	863.056	869.409	6.353
30	29	858.012	861.399	3.387
30	30	867.122	874.342	7.220
31	41	865.244	874.910	9.666
31	42	862.673	871.119	8.446
31	43	853.380	861.917	8.537
31	44	868.279	876.708	8.429
31	45	851.330	860.076	8.746
50	4	861.955	868.695	6.740
50	5	869.303	871.381	2.078
50	6	849.927	854.102	4.175
50	7	854.196	856.642	2.446
50	8	859.762	862.641	2.879
50	9	868.643	872.309	3.666
50	10	869.140	873.107	3.967
50	11	859.555	863.551	3.996
50	12	861.611	863.962	2.351
50	13	852.218	856.165	3.947
50	14	867.072	869.343	2.271
50	15	850.725	854.663	3.938
50	16	851.787	855.139	3.352
50	17	852.995	856.862	3.867
50	18	861.013	864.636	3.623
50	19	855.274	857.218	1.944
50	20	852.163	855.994	3.831
50	21	853.486	857.600	4.114
50	22	856.736	859.755	3.019
50	23	855.781	861.632	5.851
50	24	857.152	860.670	3.518
50	25	861.711	863.696	1.985
51	36	854.673	867.213	12.540
51	37	851.455	862.646	11.191
51	38	855.607	867.652	12.045
51	39	858.223	868.266	10.043
51	40	852.907	868.072	15.165
	Max	869.303	876.708	15.165
	Average	858.168	863.041	4.873
	Min	848.099	850.508	-0.093
	Std Dev	5.641	6.185	3.333



22.2_ExtFrqRange3V			
Test Site	Junkins/Dallas		
Tester	FETS36405		
Test Number	EB545302		
Max Limit	1000		
Min Limit	100		

krad	0	20	21	30	31	50	51
LL	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Min	853.563	850.508	860.680	856.870	860.076	854.102	862.646
Average	856.927	859.519	864.125	864.940	868.946	861.807	866.770
Max	861.606	864.519	869.255	874.342	876.708	873.107	868.266
UL	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000



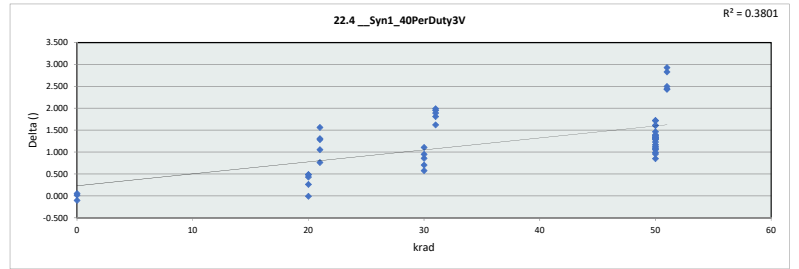
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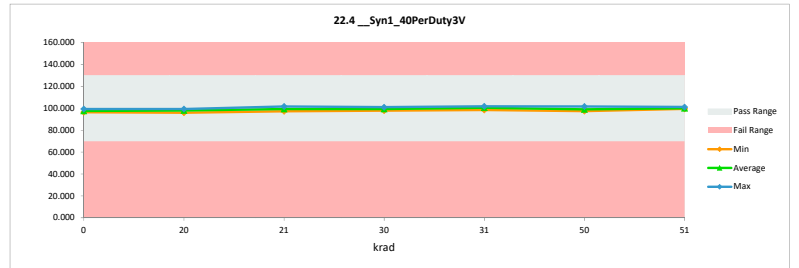
22.4_Syn1_40PerDuty3V			
Test Site	Junkins/Dallas	Junkins/Dallas	
Tester	FETS36405	FETS36405,FETS36412	
Test Number	EB545302	EB545302	
Unit			
Max Limit	130	130	
Min Limit	70	70	

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	96.539	96.437	-0.102
0	2	97.114	97.133	0.019
0	3	99.364	99.417	0.053
20	31	98.853	99.338	0.485
20	32	98.150	98.414	0.264
20	33	97.822	98.251	0.429
20	34	98.447	98.439	-0.008
20	35	95.588	96.072	0.484
21	46	98.645	99.407	0.762
21	47	97.856	99.140	1.284
21	48	100.393	101.699	1.306
21	49	97.732	99.294	1.562
21	50	96.282	97.338	1.056
30	26	98.981	99.840	0.859
30	27	97.987	98.935	0.948
30	28	98.429	99.135	0.706
30	29	96.883	97.989	1.106
30	30	100.486	101.061	0.575
31	41	99.489	101.302	1.813
31	42	99.519	101.411	1.892
31	43	97.639	99.594	1.955
31	44	99.894	101.884	1.990
31	45	96.899	98.520	1.621
50	4	98.882	100.180	1.298
50	5	100.041	101.372	1.331
50	6	96.454	97.528	1.074
50	7	96.296	97.626	1.330
50	8	97.594	98.762	1.168
50	9	100.718	101.772	1.054
50	10	99.263	100.547	1.284
50	11	99.209	100.440	1.231
50	12	96.732	97.687	0.955
50	13	96.960	98.327	1.367
50	14	98.250	99.715	1.465
50	15	97.127	98.843	1.716
50	16	96.581	98.188	1.607
50	17	97.046	98.140	1.094
50	18	98.163	99.535	1.372
50	19	97.378	98.228	0.850
50	20	97.246	98.553	1.307
50	21	96.351	97.963	1.612
50	22	98.102	99.091	0.989
50	23	97.932	99.326	1.394
50	24	96.955	98.679	1.724
50	25	98.532	99.662	1.130
51	36	98.731	101.228	2.497
51	37	96.685	99.613	2.928
51	38	97.640	100.469	2.829
51	39	97.168	99.605	2.437
51	40	97.375	99.816	2.441
	Max	100.718	101.884	2.928
	Average	97.968	99.219	1.251
	Min	95.588	96.072	-0.102
	Std Dev	1.234	1.376	0.691



22.4_Syn1_40PerDuty3V			
Test Site	Junkins/Dallas		
Tester	FETS36405		
Test Number	EB545302		
Max Limit	130		
Min Limit	70		

krad	0	20	21	30	31	50	51
LL	70.000	70.000	70.000	70.000	70.000	70.000	70.000
Min	96.437	96.072	97.338	97.989	98.520	97.528	99.605
Average	97.662	98.103	99.376	99.392	100.542	99.098	100.146
Max	99.417	99.338	101.699	101.061	101.884	101.772	101.228
UL	130.000	130.000	130.000	130.000	130.000	130.000	130.000



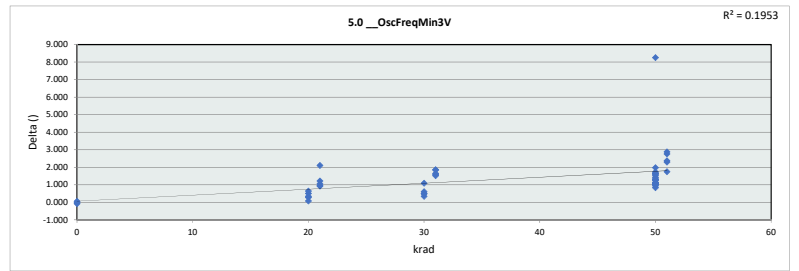
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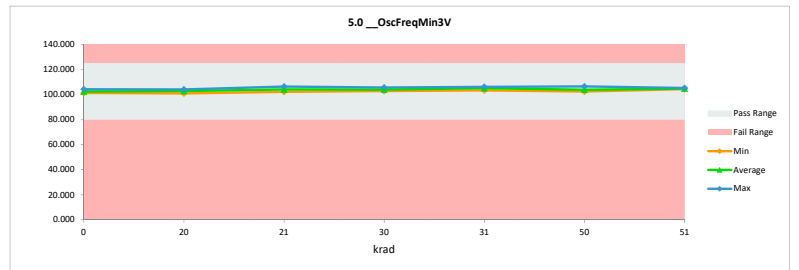
5.0_OscFreqMin3V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit		
Max Limit	125	125
Min Limit	80	80

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	101.465	101.445	-0.020
0	2	102.141	102.067	-0.074
0	3	104.271	104.327	0.056
20	31	103.609	104.249	0.640
20	32	103.032	103.310	0.278
20	33	102.802	103.142	0.340
20	34	103.272	103.344	0.072
20	35	100.541	101.045	0.504
21	46	103.422	104.350	0.928
21	47	102.836	104.055	1.219
21	48	104.494	106.600	2.106
21	49	102.718	103.672	0.954
21	50	101.259	102.313	1.054
30	26	103.925	104.418	0.493
30	27	102.984	103.588	0.604
30	28	103.224	103.709	0.485
30	29	101.874	102.960	1.086
30	30	105.405	105.747	0.342
31	41	104.380	106.240	1.860
31	42	104.432	106.283	1.851
31	43	102.609	104.257	1.648
31	44	104.697	106.218	1.521
31	45	101.881	103.460	1.579
50	4	103.738	104.866	1.128
50	5	104.929	106.340	1.411
50	6	101.461	102.538	1.077
50	7	101.315	102.627	1.312
50	8	102.560	103.693	1.133
50	9	104.652	106.626	1.974
50	10	104.178	105.468	1.290
50	11	104.135	105.400	1.265
50	12	101.718	102.662	0.944
50	13	101.937	103.267	1.330
50	14	103.030	104.634	1.604
50	15	102.076	103.803	1.727
50	16	101.576	103.091	1.515
50	17	102.032	103.046	1.014
50	18	96.213	104.472	8.259
50	19	102.363	103.193	0.830
50	20	102.186	103.466	1.280
50	21	101.344	102.988	1.644
50	22	103.006	104.009	1.003
50	23	102.897	103.916	1.019
50	24	101.920	103.577	1.657
50	25	103.467	104.546	1.079
51	36	103.665	105.411	1.746
51	37	101.675	104.557	2.882
51	38	102.610	105.371	2.761
51	39	102.180	104.547	2.367
51	40	102.381	104.674	2.293
	Max	105.405	106.626	8.259
	Average	102.730	104.072	1.341
	Min	96.213	101.045	-0.074
	Std Dev	1.469	1.309	1.207



5.0_OscFreqMin3V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	125	
Min Limit	80	

krad	0	20	21	30	31	50	51
LL	80.000	80.000	80.000	80.000	80.000	80.000	80.000
Min	101.445	101.045	102.313	102.960	103.460	102.538	104.547
Average	102.613	103.018	104.198	104.084	105.292	104.010	104.912
Max	104.327	104.249	106.600	105.747	106.283	106.626	105.411
UL	125.000	125.000	125.000	125.000	125.000	125.000	125.000



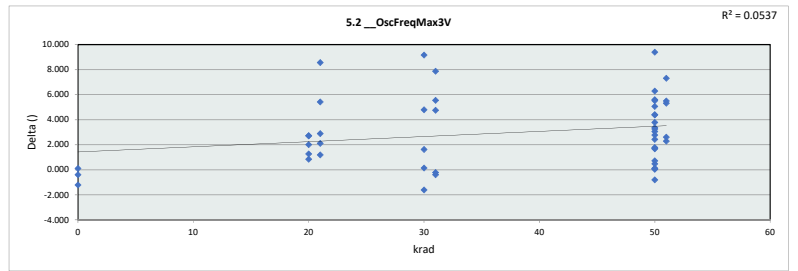
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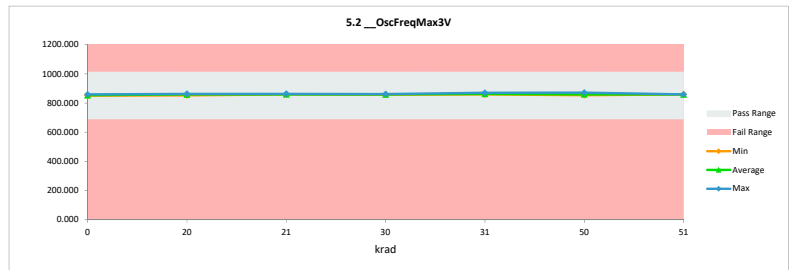
5.2_OscFreqMax3V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit		
Max Limit	1011	1011
Min Limit	689	689

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	852.342	851.122	-1.220
0	2	852.616	852.215	-0.401
0	3	859.504	859.602	0.098
20	31	860.805	863.518	2.713
20	32	856.895	859.616	2.721
20	33	859.503	860.339	0.836
20	34	860.457	861.715	1.258
20	35	851.112	853.118	2.006
21	46	858.437	859.629	1.192
21	47	857.527	859.638	2.111
21	48	851.106	859.665	8.559
21	49	858.249	863.664	5.415
21	50	856.549	859.441	2.892
30	26	856.547	858.167	1.620
30	27	850.411	859.580	9.169
30	28	859.504	857.886	-1.618
30	29	857.282	862.075	4.793
30	30	859.547	859.686	0.139
31	41	864.462	864.065	-0.397
31	42	862.859	862.646	-0.213
31	43	851.670	859.538	7.868
31	44	866.228	870.986	4.758
31	45	853.991	859.533	5.542
50	4	860.414	859.611	-0.803
50	5	859.572	859.685	0.113
50	6	852.148	857.749	5.601
50	7	856.647	856.683	0.036
50	8	858.688	862.048	3.360
50	9	868.831	871.879	3.048
50	10	859.572	868.961	9.389
50	11	857.778	862.838	5.060
50	12	859.509	861.936	2.427
50	13	854.485	856.264	1.779
50	14	862.591	868.876	6.285
50	15	849.908	854.287	4.379
50	16	850.061	855.578	5.517
50	17	855.715	856.185	0.470
50	18	860.229	864.627	4.398
50	19	853.876	857.664	3.788
50	20	854.841	855.559	0.718
50	21	855.946	857.617	1.671
50	22	856.162	859.417	3.255
50	23	857.899	859.610	1.711
50	24	857.737	860.509	2.772
50	25	859.509	859.616	0.107
51	36	857.084	859.688	2.604
51	37	854.319	859.633	5.314
51	38	854.615	860.106	5.491
51	39	857.345	859.637	2.292
51	40	852.298	859.607	7.309
	Max	868.831	871.879	9.389
	Average	857.108	860.066	2.959
	Min	849.908	851.122	-1.618
	Std Dev	4.109	4.141	2.772



5.2_OscFreqMax3V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	1011	
Min Limit	689	

krad	0	20	21	30	31	50	51
LL	689.000	689.000	689.000	689.000	689.000	689.000	689.000
Min	851.122	853.118	859.441	857.887	859.533	854.287	859.607
Average	854.313	859.661	860.407	859.479	863.354	860.327	859.734
Max	859.602	863.518	863.664	862.075	870.986	871.879	860.106
UL	1011.000	1011.000	1011.000	1011.000	1011.000	1011.000	1011.000





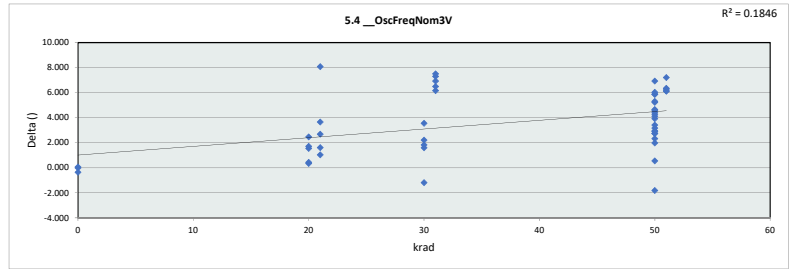
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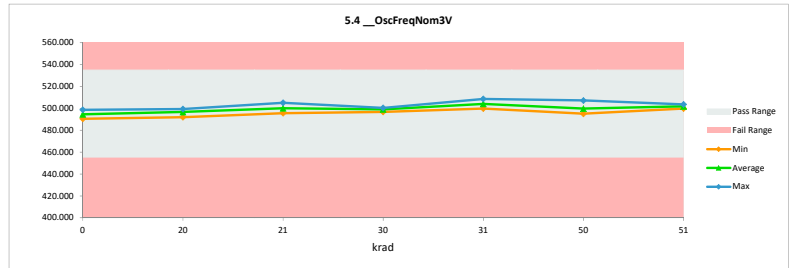
5.4_OscFreqNom3V			
Test Site	Junkins/Dallas	Junkins/Dallas	
Tester	FETS36405	FETS36405,FETS36412	
Test Number	EB545302	EB545302	
Unit			
Max Limit	535	535	
Min Limit	455	455	

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	490.903	490.546	-0.357
0	2	494.732	494.721	-0.011
0	3	498.577	498.644	0.067
20	31	496.890	499.351	2.461
20	32	497.276	497.625	0.349
20	33	495.002	496.551	1.549
20	34	497.570	498.004	0.434
20	35	490.231	491.943	1.712
21	46	498.787	499.826	1.039
21	47	498.189	499.800	1.611
21	48	496.977	505.058	8.081
21	49	496.763	500.422	3.659
21	50	492.930	495.610	2.680
30	26	496.219	499.775	3.556
30	27	497.674	499.505	1.831
30	28	497.917	496.721	-1.196
30	29	496.675	498.885	2.210
30	30	498.831	500.424	1.593
31	41	498.830	505.328	6.498
31	42	499.543	506.472	6.929
31	43	492.507	499.802	7.295
31	44	501.163	508.662	7.499
31	45	493.751	499.905	6.154
50	4	499.242	497.424	-1.818
50	5	500.206	502.936	2.730
50	6	492.149	495.065	2.916
50	7	492.584	497.183	4.599
50	8	495.201	495.754	0.553
50	9	502.903	507.188	4.285
50	10	499.793	502.966	3.173
50	11	499.141	501.464	2.323
50	12	495.809	499.227	3.418
50	13	493.564	498.789	5.225
50	14	497.481	503.360	5.879
50	15	495.081	499.736	4.655
50	16	492.393	499.318	6.925
50	17	493.778	498.216	4.438
50	18	496.927	500.855	3.928
50	19	493.918	499.786	5.868
50	20	493.863	499.168	5.305
50	21	492.725	498.761	6.036
50	22	497.422	499.407	1.985
50	23	495.788	499.901	4.113
50	24	494.936	497.871	2.935
50	25	497.058	499.803	2.745
51	36	496.582	502.935	6.353
51	37	493.672	499.803	6.131
51	38	496.822	502.945	6.123
51	39	497.305	503.590	6.285
51	40	492.597	499.798	7.201
	Max	502.903	508.662	8.081
	Average	496.138	499.737	3.599
	Min	490.231	490.546	-1.818
	Std Dev	2.763	3.467	2.522



5.4_OscFreqNom3V			
Test Site	Junkins/Dallas		
Tester	FETS36405		
Test Number	EB545302		
Max Limit	535		
Min Limit	455		

krad	0	20	21	30	31	50	51
LL	455.000	455.000	455.000	455.000	455.000	455.000	455.000
Min	490.546	491.943	495.610	496.721	499.802	495.065	499.798
Average	494.637	496.695	500.143	499.062	504.034	499.735	501.814
Max	498.644	499.351	505.058	500.424	508.662	507.188	503.590
UL	535.000	535.000	535.000	535.000	535.000	535.000	535.000



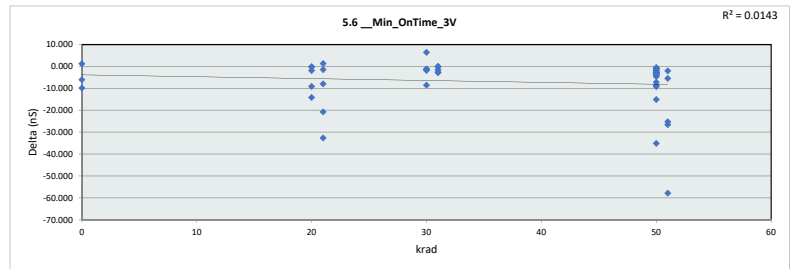
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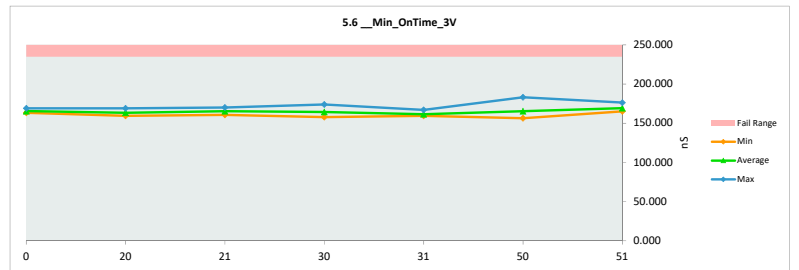
5.6_Min_OnTime_3V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	nS	nS
Max Limit	235	235
Min Limit		

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	175.061	169.061	-6.000
0	2	162.652	163.948	1.296
0	3	173.109	163.298	-9.811
20	31	178.152	164.044	-14.108
20	32	169.166	169.027	-0.139
20	33	168.621	159.490	-9.131
20	34	164.789	162.958	-1.831
20	35	161.376	161.172	-0.204
21	46	186.856	166.143	-20.713
21	47	173.780	165.831	-7.949
21	48	202.596	169.969	-32.627
21	49	162.781	164.096	1.315
21	50	162.083	160.673	-1.410
30	26	164.928	163.750	-1.178
30	27	169.059	167.852	-1.207
30	28	167.466	173.920	6.454
30	29	160.006	158.219	-1.787
30	30	166.264	157.768	-8.496
31	41	161.013	159.570	-1.443
31	42	162.462	159.615	-2.847
31	43	167.140	167.047	-0.093
31	44	162.001	159.385	-2.616
31	45	162.197	162.234	0.037
50	4	176.501	173.939	-2.562
50	5	206.273	171.169	-35.104
50	6	169.343	166.077	-3.266
50	7	159.704	156.301	-3.403
50	8	165.581	156.446	-9.135
50	9	177.817	162.749	-15.068
50	10	165.880	161.787	-4.093
50	11	160.244	159.450	-0.794
50	12	173.534	171.532	-2.002
50	13	162.768	159.946	-2.822
50	14	163.324	162.814	-0.510
50	15	176.012	168.804	-7.208
50	16	169.149	167.619	-1.530
50	17	163.978	161.564	-2.414
50	18	187.702	183.123	-4.579
50	19	171.596	170.400	-1.196
50	20	168.318	159.748	-8.570
50	21	165.664	162.418	-3.246
50	22	163.033	159.590	-3.443
50	23	176.674	173.533	-3.141
50	24	162.141	161.072	-1.069
50	25	171.254	168.447	-2.807
51	36	173.668	168.253	-5.415
51	37	222.895	165.114	-57.781
51	38	170.485	168.486	-1.999
51	39	201.469	176.249	-25.220
51	40	194.816	168.278	-26.538
	Max	222.895	183.123	6.454
	Average	172.068	165.080	-6.988
	Min	159.704	156.301	-57.781
	Std Dev	13.318	5.576	11.236



5.6_Min_OnTime_3V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	235	nS
Min Limit		nS

krad	0	20	21	30	31	50	51
LL							
Min	163.298	159.490	160.673	157.768	159.385	156.301	165.114
Average	165.436	163.338	165.342	164.302	161.570	165.388	169.276
Max	169.061	169.027	169.969	173.920	167.047	183.123	176.249
UL	235.000	235.000	235.000	235.000	235.000	235.000	235.000



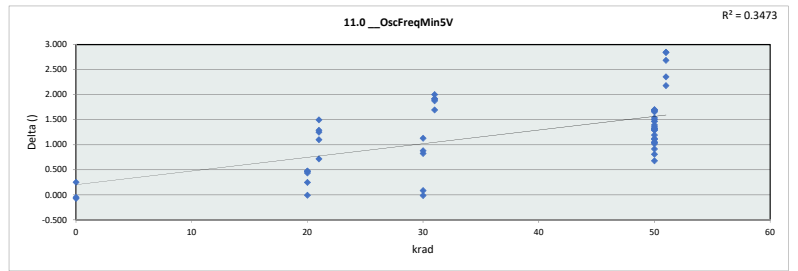
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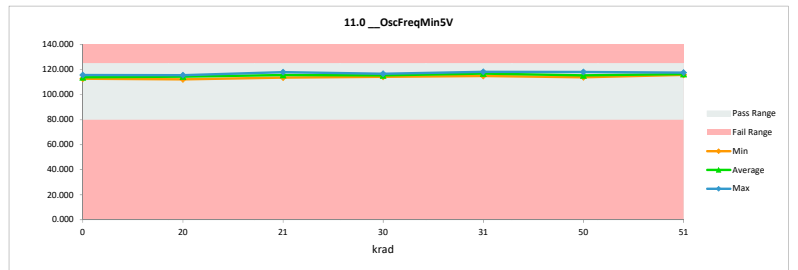
11.0_OscFreqMin5V			
Test Site	Junkins/Dallas	Junkins/Dallas	
Tester	FETS36405	FETS36405,FETS36412	
Test Number	EB545302	EB545302	
Unit			
Max Limit	125	125	
Min Limit	80	80	

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	112.920	112.872	-0.048
0	2	113.521	113.449	-0.072
0	3	115.493	115.743	0.250
20	31	115.204	115.674	0.470
20	32	114.536	114.783	0.247
20	33	114.327	114.764	0.437
20	34	114.826	114.819	-0.007
20	35	111.878	112.351	0.473
21	46	115.090	115.807	0.717
21	47	114.239	115.489	1.250
21	48	116.796	118.084	1.288
21	49	114.168	115.664	1.496
21	50	112.625	113.725	1.100
30	26	115.274	116.153	0.879
30	27	114.413	115.239	0.826
30	28	114.885	114.968	0.083
30	29	113.282	114.411	1.129
30	30	116.862	116.848	-0.014
31	41	115.870	117.789	1.919
31	42	115.902	117.779	1.877
31	43	114.049	115.962	1.913
31	44	116.277	118.277	2.000
31	45	113.279	114.975	1.696
50	4	115.211	115.891	0.680
50	5	116.000	117.702	1.702
50	6	112.877	113.984	1.107
50	7	112.686	114.043	1.357
50	8	114.029	115.222	1.193
50	9	117.173	118.218	1.045
50	10	115.732	117.022	1.290
50	11	115.614	116.913	1.299
50	12	113.163	114.181	1.018
50	13	113.364	114.828	1.464
50	14	114.614	116.114	1.500
50	15	113.459	114.993	1.534
50	16	112.966	114.623	1.657
50	17	113.460	114.583	1.123
50	18	114.548	115.875	1.327
50	19	113.778	114.588	0.810
50	20	113.583	114.979	1.396
50	21	112.720	114.412	1.692
50	22	114.461	115.375	0.914
50	23	114.302	115.620	1.318
50	24	113.390	115.065	1.675
50	25	114.949	116.003	1.054
51	36	115.004	117.689	2.685
51	37	113.076	115.922	2.846
51	38	114.099	116.945	2.846
51	39	113.648	116.003	2.355
51	40	113.830	116.010	2.180
	Max	117.173	118.277	2.846
	Average	114.349	115.569	1.220
	Min	111.878	112.351	-0.072
	Std Dev	1.218	1.362	0.722



11.0_OscFreqMin5V			
Test Site	Junkins/Dallas		
Tester	FETS36405		
Test Number	EB545302		
Max Limit	125		
Min Limit	80		

krad	0	20	21	30	31	50	51
LL	80.000	80.000	80.000	80.000	80.000	80.000	80.000
Min	112.872	112.351	113.725	114.411	114.975	113.984	115.922
Average	114.021	114.478	115.754	115.524	116.956	115.465	116.514
Max	115.743	115.674	118.084	116.848	118.277	118.218	117.689
UL	125.000	125.000	125.000	125.000	125.000	125.000	125.000



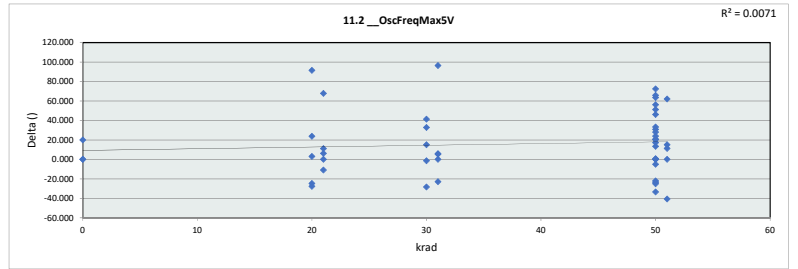
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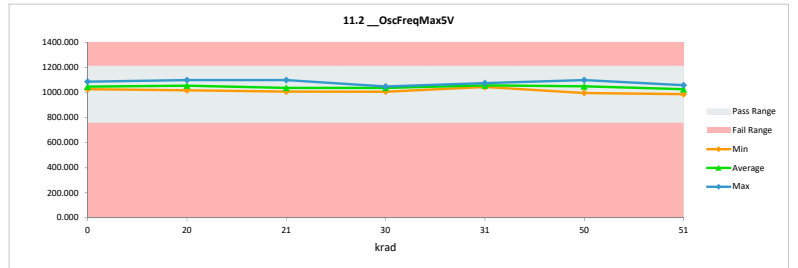
11.2_OscFreqMax5V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit		
Max Limit	1212	1212
Min Limit	760	760

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	1008.728	1028.682	19.954
0	2	1089.066	1089.148	0.082
0	3	1030.314	1030.520	0.206
20	31	1010.280	1101.842	91.562
20	32	1044.253	1019.640	-24.613
20	33	1047.746	1050.906	3.160
20	34	1053.084	1076.865	23.781
20	35	1064.992	1037.370	-27.622
21	46	1019.463	1030.580	11.117
21	47	1030.422	1019.591	-10.831
21	48	1008.822	1008.972	0.150
21	49	1034.024	1101.887	67.863
21	50	1027.386	1033.647	6.261
30	26	1049.574	1048.304	-1.270
30	27	1008.821	1041.576	32.755
30	28	1037.212	1008.915	-28.297
30	29	1029.262	1044.337	15.075
30	30	1008.804	1050.201	41.397
31	41	1045.551	1045.671	0.120
31	42	1071.374	1076.825	5.451
31	43	968.394	1064.840	96.446
31	44	1050.271	1056.160	5.889
31	45	1076.775	1053.922	-22.853
50	4	1052.957	1019.542	-33.416
50	5	1030.395	1030.493	0.098
50	6	1024.177	1041.333	17.156
50	7	1033.640	1097.175	63.535
50	8	1074.902	1095.707	20.805
50	9	1052.945	1076.869	23.924
50	10	1008.805	1064.986	56.181
50	11	1084.052	1060.681	-23.371
50	12	1008.827	1036.863	28.036
50	13	1061.476	1056.549	-4.927
50	14	1047.086	1047.821	0.735
50	15	968.439	1019.639	51.200
50	16	1030.326	1043.738	13.412
50	17	1008.784	1054.944	46.160
50	18	1019.507	1019.624	0.117
50	19	978.186	998.504	20.318
50	20	1075.675	1050.663	-25.012
50	21	1030.412	1096.298	65.886
50	22	1030.315	1061.234	30.919
50	23	1008.794	1042.175	33.381
50	24	1028.825	1101.333	72.508
50	25	1041.627	1019.618	-22.009
51	36	1008.789	1023.801	15.012
51	37	988.164	988.232	0.068
51	38	998.335	1060.333	61.998
51	39	1030.394	1041.657	11.263
51	40	1071.176	1030.570	-40.606
	Max	1089.066	1101.887	96.446
	Average	1032.233	1048.016	15.783
	Min	968.394	988.232	-40.606
	Std Dev	28.373	27.810	32.512



11.2_OscFreqMax5V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	1212	
Min Limit	760	

krad	0	20	21	30	31	50	51
LL	760.000	760.000	760.000	760.000	760.000	760.000	760.000
Min	1028.682	1019.640	1008.972	1008.915	1045.671	998.504	988.232
Average	1049.450	1057.325	1038.935	1038.667	1059.484	1051.627	1028.919
Max	1089.148	1101.842	1101.887	1050.201	1076.825	1101.333	1060.333
UL	1212.000	1212.000	1212.000	1212.000	1212.000	1212.000	1212.000



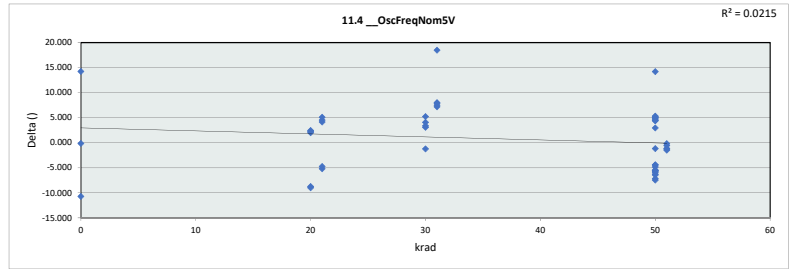
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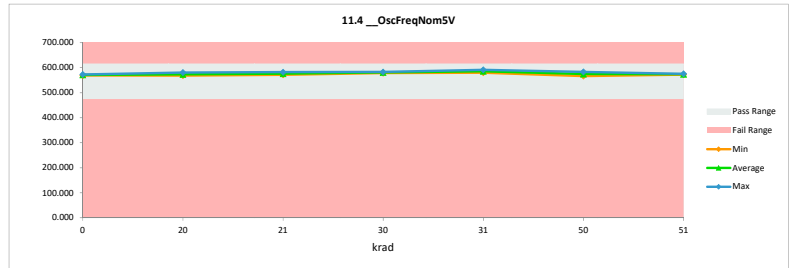
11.4_OscFreqNomSV			
Test Site	Junkins/Dallas	Junkins/Dallas	
Tester	FETS36405	FETS36405,FETS36412	
Test Number	EB545302	EB545302	
Unit			
Max Limit	615	615	
Min Limit	475	475	

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	557.132	571.357	14.225
0	2	573.070	572.939	-0.131
0	3	579.339	568.616	-10.723
20	31	578.030	580.464	2.434
20	32	575.179	577.171	1.992
20	33	577.173	568.431	-8.742
20	34	577.990	569.009	-8.981
20	35	568.679	570.916	2.237
21	46	578.066	582.199	4.133
21	47	577.097	571.894	-5.203
21	48	572.145	576.677	4.532
21	49	576.417	571.685	-4.732
21	50	572.109	577.196	5.087
30	26	575.294	578.364	3.070
30	27	577.016	580.370	3.354
30	28	577.636	582.849	5.213
30	29	575.690	579.775	4.085
30	30	584.145	582.900	-1.245
31	41	580.374	588.372	7.998
31	42	580.136	587.638	7.502
31	43	573.220	581.103	7.883
31	44	573.058	591.549	18.491
31	45	572.738	579.898	7.160
50	4	577.629	573.191	-4.438
50	5	577.608	576.431	-1.177
50	6	570.312	575.246	4.934
50	7	571.833	576.538	4.705
50	8	576.571	580.959	4.388
50	9	584.436	578.151	-6.285
50	10	582.716	577.276	-5.440
50	11	578.078	583.094	5.016
50	12	577.043	570.596	-6.447
50	13	572.327	566.732	-5.595
50	14	579.721	575.299	-4.422
50	15	572.812	578.146	5.333
50	16	573.042	567.140	-5.902
50	17	572.534	576.953	4.419
50	18	577.634	572.778	-4.856
50	19	574.855	567.696	-7.159
50	20	572.529	577.695	5.166
50	21	572.057	566.457	-5.600
50	22	576.305	568.841	-7.464
50	23	574.752	577.691	2.939
50	24	574.279	568.641	-5.638
50	25	567.846	582.049	14.203
51	36	575.795	574.666	-1.129
51	37	572.805	572.244	-0.561
51	38	575.585	575.420	-0.165
51	39	576.050	574.567	-1.483
51	40	573.735	572.477	-1.258
	Max	584.436	591.549	18.491
	Average	575.252	575.967	0.715
	Min	557.132	566.457	-10.723
	Std Dev	4.367	5.817	6.406



11.4_OscFreqNomSV			
Test Site	Junkins/Dallas		
Tester	FETS36405		
Test Number	EB545302		
Max Limit	615		
Min Limit	475		

krad	0	20	21	30	31	50	51
LL	475.000	475.000	475.000	475.000	475.000	475.000	475.000
Min	568.616	568.431	571.686	578.364	579.898	566.457	572.244
Average	570.971	573.198	575.930	580.852	585.712	574.436	573.875
Max	572.939	580.464	582.199	582.900	591.549	583.094	575.420
UL	615.000	615.000	615.000	615.000	615.000	615.000	615.000



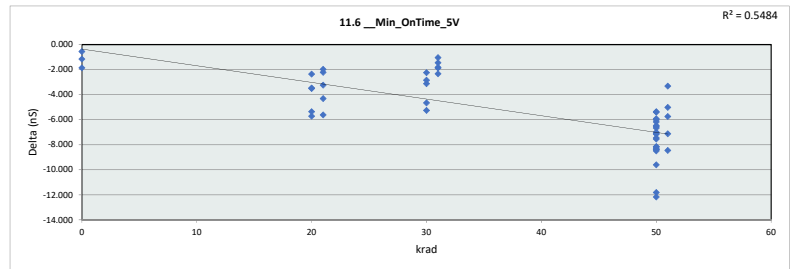
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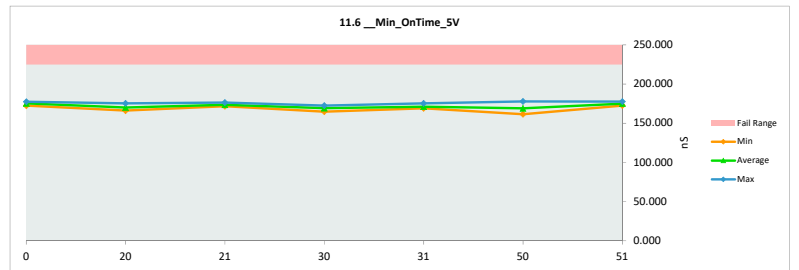
11.6_Min_OnTime_5V		
Test Site	Junkins/Dallas	Junkins/Dallas
Tester	FETS36405	FETS36405,FETS36412
Test Number	EB545302	EB545302
Unit	nS	nS
Max Limit	225	225
Min Limit		

krad	Serial #	Pre LDR DS	Post LDR DS	Delta
0	1	176.523	175.966	-0.557
0	2	178.584	177.428	-1.156
0	3	174.241	172.386	-1.855
20	31	175.851	170.487	-5.364
20	32	177.655	175.298	-2.357
20	33	171.752	166.035	-5.717
20	34	173.594	170.122	-3.472
20	35	171.460	167.949	-3.511
21	46	177.067	172.749	-4.318
21	47	176.701	173.457	-3.244
21	48	181.927	176.310	-5.617
21	49	175.597	173.623	-1.974
21	50	173.813	171.596	-2.217
30	26	172.199	169.076	-3.123
30	27	175.346	172.506	-2.840
30	28	174.030	171.790	-2.240
30	29	169.967	164.711	-5.256
30	30	172.411	167.756	-4.655
31	41	171.542	170.090	-1.452
31	42	170.973	169.937	-1.036
31	43	177.715	175.378	-2.337
31	44	170.936	169.065	-1.871
31	45	172.379	170.557	-1.822
50	4	181.042	175.648	-5.394
50	5	184.105	172.291	-11.814
50	6	177.627	170.470	-7.157
50	7	170.512	163.406	-7.106
50	8	171.116	161.514	-9.602
50	9	176.586	168.317	-8.269
50	10	175.154	166.997	-8.157
50	11	173.358	165.197	-8.161
50	12	185.111	172.937	-12.174
50	13	173.617	166.619	-6.998
50	14	171.594	166.236	-5.358
50	15	177.949	171.386	-6.563
50	16	177.615	170.071	-7.544
50	17	174.342	166.881	-7.461
50	18	183.748	177.824	-5.924
50	19	176.428	168.033	-8.395
50	20	170.815	162.327	-8.488
50	21	173.733	167.261	-6.472
50	22	174.430	166.054	-8.376
50	23	182.386	175.717	-6.669
50	24	174.075	168.061	-6.014
50	25	180.042	173.858	-6.184
51	36	175.754	172.437	-3.317
51	37	185.777	177.318	-8.459
51	38	177.870	172.848	-5.022
51	39	183.367	177.623	-5.744
51	40	181.458	174.327	-7.131
	Max	185.777	177.824	-0.557
	Average	176.037	170.719	-5.319
	Min	169.967	161.514	-12.174
	Std Dev	4.203	4.150	2.803



11.6_Min_OnTime_5V		
Test Site	Junkins/Dallas	
Tester	FETS36405	
Test Number	EB545302	
Max Limit	225	nS
Min Limit		nS

krad	0	20	21	30	31	50	51
LL							
Min	172.386	166.035	171.596	164.711	169.065	161.514	172.437
Average	175.260	169.978	173.547	169.168	171.005	168.959	174.911
Max	177.428	175.298	176.310	172.506	175.378	177.824	177.623
UL	225.000	225.000	225.000	225.000	225.000	225.000	225.000



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