Radiation Report

ADC168M102R-SP Total Ionizing Dose (TID) Radiation Report

Abstract

This report covers the radiation characterization results of the ADC168M102R-SP which is a space grade 16-Bit 1-MSPS, 8-channel ADC that offers simultaneous sampling. The study was done to determine total ionizing dose (TID) effects under low dose rate (LDR) and high dose rate (HDR) up to 100Krad(Si) as a one-time characterization. The results show that all samples passed within the specified limits up to 100Krad(Si).

In production, the Radiation Lot Acceptance Testing (RLAT) is performed using 5 units on every fab-lot to the specified rating of 100krad(Si). Furthermore, the ADC168M102R-SP has a Single Event Latch-Up (SEL) immunization up to 75MeV×cm2/mg which makes it suitable for Radiation Hardness Assured Space Applications.

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1 Device Information

The ADC168M102R-SP is space grade 16-Bit 1-MSPS, ADC with eight pseudo- or four fully differential input channels grouped into two pairs for simultaneous signal acquisition. The analog inputs are maintained deferentially to the input of the ADC. The input multiplexer can be used in either pseudo-differential mode, supporting up to four channels per ADC (4×2), or in fully-differential mode that allows to convert up to two inputs per ADC (2x2).

The ADC168M102R-SP can be operated with independent analog and digital supplies. The analog supply (AVDD) can range from 2.7V to 5.5V and the digital supply (DVDD) can range from 2.3V to 5.5V. The ADC168M102R-SP is packaged in a 32-lead VQFN package.

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1.1 Device Details

Table 1-1 lists the device information used for TID HDR characterization and qualification.

Table 1-1. TID HDR Device and Exposure Details

TID HDR Details:	
TI Device Number	ADC168M102R-SP
Package	32-RHB
Technology	HPA07
Die Lot Number	4557905
A/T Lot Number / Lot Trace Code	5624823 / 59A54JI
Quantity Tested	5 units per exposure level
Lot Accept/Reject	5 / 0 per exposure level
HDR Radiation Facility	Texas Instruments CLAB, Dallas, TX
HDR Dose Level	3, 10, 30, 50, and 100Krad(Si)
HDR Dose Rate	170-260 rad(Si)/s ionizing radiation with increments
HDR Radiation Source	Gamma (GR420) Co-60
Irradiation Temperature	Ambient, room temperature
Irradiation and Test Temperature	Ambient, room temperature controlled to 24°C ±6°C per MIL-STD-883 and MIL-STD-750

Table 1-2 lists the device information used for TID LDR characterization and qualification.

Table 1-2. TID LDR Device and Exposure Details

TID LDR Details:	
TI Device Number	ADC168M102R-SP
Package	32-RHB
Technology	HPA07
Die Lot Number	3713261
A/T Lot Number / Lot Trace Code	4493181MLA / 46ARCTI
Quantity Tested	5 units per exposure level for both biased and unbiased testing
Lot Accept/Reject	5 / 0 per exposure level for both biased and unbiased
LDR Radiation Facility	Radiation Test Solutions, Inc. Colorado Springs, CO
LDR Dose Level	3, 10, 30, 50, and 100Krad(Si)
LDR Dose Rate	10mrad(Si)/s ionizing radiation with increments
LDR Radiation Source	Gamma rays provided by JLSA 81-20/81-22 Co60 LDR source
Irradiation Temperature	Ambient, room temperature
Irradiation and Test Temperature	Ambient, room temperature controlled to 24°C ±6°C per MIL-STD-883 and MIL-STD-750

2 Total Dose Test Setup

2.1 Test Overview

The ADC168M102R-SP was tested according to MIL-STD-883, Test Method 1019.9, Conditions A. 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.

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2.2 Test Description and Facilities

The ADC168M102R-SP HDR exposure was performed on biased devices at TI CLAB facility in Dallas, Texas. The dose rate of the exposure was between 170-260 rad(Si)/s. After the exposure, the devices were electrically tested at TI testing facility.

The ADC168M102R-SP LDR exposure was performed on biased and unbiased devices at Radiation Test Solutions, Inc. in Colorado Springs, CO. The dose rate of the exposure was 10mrad(Si)/s. After the exposure, the devices were electrically tested at TI testing facility.

2.3 Test Setup Details

The devices were biased to the maximum recommended operating conditions as described below.

2.3.1 Biased

Figure 2-1 shows biased conditions for each pin during radiation.

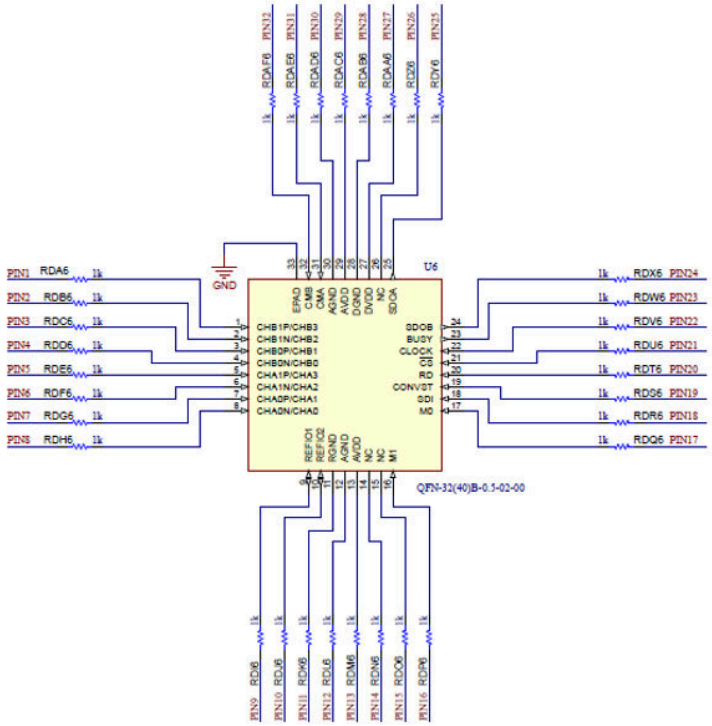

Figure 2-1. ADC168M102R-SP Biased Diagram

Table 2-1. Pinout

Pin #	Pin Name	Bias	Pin #	Pin Name	Bias
1	CHB1+	5.5V	17	M0	5.5V
2	CHB1-	5.5V	18	SDI	5.5V
3	CHB0+	5.5V	19	CONVST	5.5V
4	CHB0-	5.5V	20	RD	5.5V
5	CHA1+	5.5V	21	CS	5.5V
6	CHA1-	5.5V	22	CLOCK	40MHz
7	CHA0+	5.5V	23	BUSY	GND
8	CHA0-	5.5V	24	SDOB	GND
9	REFIO1	5.5V	25	SDOA	GND
10	REFIO2	5.5V	26	NC	GND
11	RGND	GND	27	BVDD	5.5V

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Table 2-1. Pinout (continued)

Pin #	Pin Name	Bias	Pin #	Pin Name	Bias
12	AGND	GND	28	BGND	GND
13	AVDD	5.5V	29	AVDD1	5.5V
14	NC	GND	30	AGND1	GND
15	NC	GND	31	CMB	5.5V
16	M1	5.5V	32	CMA	5.5V

2.4 Test Configuration and Condition

Prior to and after testing, electrical test were performed on a given sample of parts to verify that the units are within specified data sheet electrical test limits. Five samples per exposure level were used at the 10mrad(si)/s dose level for both biased and unbiased LDR and five samples per exposure level were used at the 170-260rad(Si)/s dose level for HDR with biased setup conditions per Table 2-2.

Table 2-2. LDR Biased Conditions

LDR = 10mrad(Si)/s
Total Samples: 5/dose level
Exposure Levels
3krad(Si), Unit#s 26, 27, 28, 29, 30 10krad(Si), Unit#s 31, 32, 33, 34, 35 30krad(Si), Unit#s 36, 37, 38, 39, 40 50krad(Si), Unit#s 41, 42, 43, 44, 45 100krad(Si), Unit#s 46, 47, 48, 49, 50
Passed

Table 2-3. LDR Unbiased Conditions

LDR = 10mrad(Si)/s
Total Samples: 5/dose level
Exposure Levels
3krad(Si), Unit#s 1, 2, 3, 4, 5 10krad(Si), Unit#s 6, 7, 8, 9, 10 30krad(Si), Unit#s 11, 12, 13, 14, 15 50krad(Si), Unit#s 16, 17, 18, 19, 20 100krad(Si), Unit#s 21, 22, 23, 24, 25
Passed

Table 2-4. HDR Biased Conditions

HDR = 170-260rad(Si)/s
Total Samples: 5/dose level
Exposure Levels:
3krad(Si), Unit#s 1, 2, 3, 4, 5 10krad(Si), Unit#s 6, 7, 8, 9, 10 30krad(Si), Unit#s 33, 34, 35, 36 ,37 50krad(Si), Unit#s 11, 12,13 ,21, 22 100krad(Si), Unit#s 23, 24, 17, 18, 19
Passed

3 TID Characterization Test Results

3.1 TID Characterization Summary

ADC168M102R-SP passed HDR and LDR up to 100Krad at the maximum recommended operating conditions. The drifts of critical parameters were within the specification. ELDRS study was also performed,

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and device was determined to be ELDRS-free, leaving HDR as worst case for drift. 100kRads HDR are used for radiation lot acceptance.

4 Applicable and Reference Documents

4.1 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.

4.2 Total Ionizing Dose HDR and LDR Reports

Pre- and post-TID exposure testing was done with data collected on all critical parameters. All tested parameters were found to be within datasheet specifications during both pre- and post-testing.

Table 4-1. Critical Parameters

Parameter	Units	Lower Limit	Upper Limit
46000001:AVDD_max_supply	mA	5	25
46000003:DVDD_max_supply	mA	1	13
46000004:AVDD_nap_max_supply	uA	0	6200
46000006:DVDD_nap_max_supply	uA	-5	20
46000007:AVDD_pd_max_supply	nA	-5000	2200000
33000001:offset_A	mV	-2.5	2.5
33000002:gain_A	%	-0.3	0.3
33000004:offset_B	mV	-2.5	2.5
33000005:gain_B	%	-0.3	0.3
33000003:cmrr_A	dB		
33000006:cmrr_B	dB		
43000001:SFDR_A	dB		-89
43000002:THD_A	dB		-90
43000003:SNR_A	dB	89	
43000004:SINAD_A	dB	88	
44000001:SFDR_B	dB		-89
44000002:THD_B	dB		-90
44000003:SNR_B	dB	89	
44000004:SINAD_B	dB	88	
26000002:DNL_max_A	LSB	-2	4
26000004:DNL_min_A	LSB	-2	2
26000001:INL_max_A	LSB	-5	5
26000003:INL_min_A	LSB	-5	5
26000006:DNL_max_B	LSB	-2	4
26000008:DNL_min_B	LSB	-2	2
26000005:INL_max_B	LSB	-5	5
26000007:INL_min_B	LSB	-5	5
29000008:internalRef1_FS	V	2.485	2.665
29000011:internalRef2_FS	V	2.485	2.665
53000001:AVDD_3_6V	mA	5	18
53000003:DVDD_3_6V	mA	1	10
53000004:AVDD_nap_3_6V	uA	0	2000

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A HDR Report

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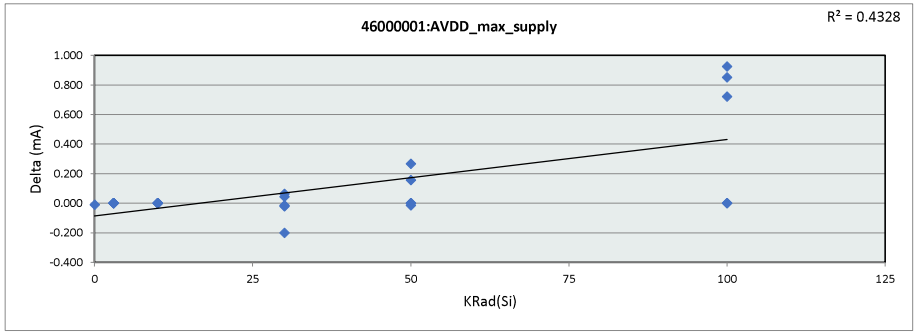
TID-HDR Report
ADC168M102R-SP

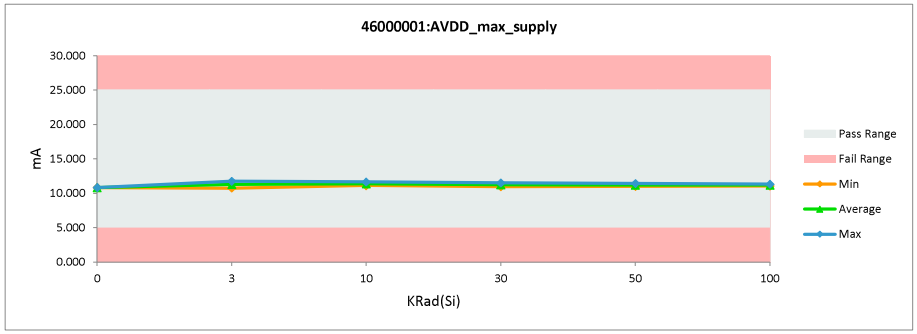
TID-HDR Report
ADC168M102R-SP

	46000001:AVDD_max_supply	
Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	25	25
Min Limit	5	5

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	10.743	10.743	0.000
3	2	11.765	11.765	0.000
3	3	11.296	11.296	0.000
3	4	11.626	11.626	0.000
3	5	10.978	10.978	0.000
10	6	11.380	11.380	0.000
10	7	11.130	11.130	0.000
10	8	11.182	11.182	0.000
10	9	11.662	11.662	0.000
10	10	11.594	11.594	0.000
30	33	11.399	11.355	0.044
30	34	11.297	11.497	-0.200
30	35	10.962	10.977	-0.015
30	36	11.284	11.221	0.063
30	37	11.088	11.110	-0.022
50	11	11.259	11.102	0.157
50	12	11.466	11.200	0.266
50	13	11.409	11.425	-0.016
50	21	11.006	11.006	0.000
50	22	11.133	11.133	0.000
100	23	11.078	11.078	0.000
100	24	11.222	11.222	0.000
100	17	12.076	11.151	0.925
100	18	11.905	11.052	0.853
100	19	12.037	11.316	0.721
0	20	10.820	10.830	-0.010
	Max	12.076	11.765	0.925
	Average	11.338	11.232	0.106
	Min	10.743	10.743	-0.200
	Std Dev	0.351	0.254	0.279



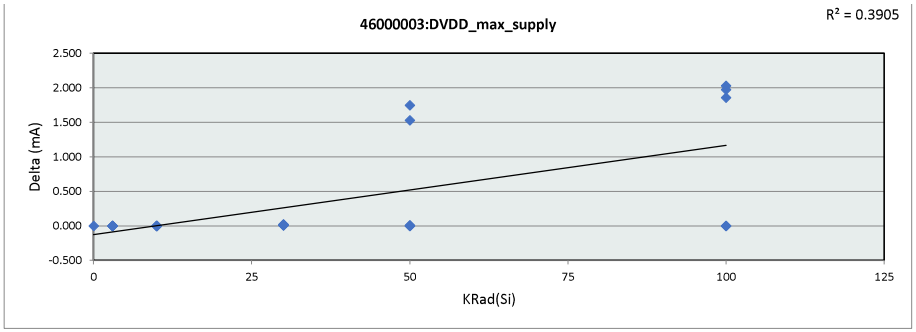
	46000001:AVDD_max_supply					
Test Site						
Tester						
Test Number						
Max Limit	25	mA				
Min Limit	5	mA				
KRad(Si)	0	3	10	30	50	100
LL	5.000	5.000	5.000	5.000	5.000	5.000
Min	10.830	10.743	11.130	10.977	11.006	11.052
Average	10.830	11.282	11.390	11.232	11.173	11.164
Max	10.830	11.765	11.662	11.497	11.425	11.316
UL	25.000	25.000	25.000	25.000	25.000	25.000



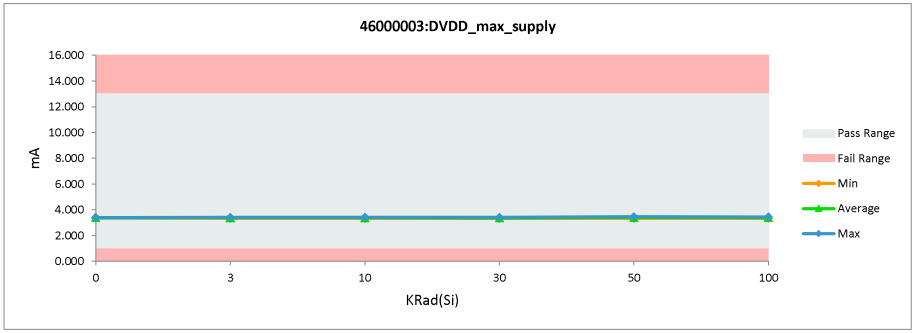
TID-HDR Report
ADC168M102R-SP

	46000003:DVDD_max_supply	
Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	13	13
Min Limit	1	1

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	3.408	3.408	0.000
3	2	3.398	3.398	0.000
3	3	3.329	3.329	0.000
3	4	3.370	3.370	0.000
3	5	3.377	3.377	0.000
10	6	3.419	3.419	0.000
10	7	3.411	3.411	0.000
10	8	3.335	3.335	0.000
10	9	3.350	3.350	0.000
10	10	3.390	3.390	0.000
30	33	3.396	3.385	0.011
30	34	3.355	3.336	0.019
30	35	3.422	3.411	0.011
30	36	3.362	3.358	0.004
30	37	3.379	3.372	0.007
50	11	5.146	3.400	1.746
50	12	4.982	3.455	1.527
50	13	3.445	3.440	0.005
50	21	3.333	3.333	0.000
50	22	3.380	3.380	0.000
100	23	3.376	3.376	0.000
100	24	3.340	3.340	0.000
100	17	5.449	3.420	2.029
100	18	5.384	3.413	1.971
100	19	5.287	3.430	1.857
0	20	3.390	3.394	-0.004
	Max	5.449	3.455	2.029
	Average	3.739	3.386	0.353
	Min	3.329	3.329	-0.004
	Std Dev	0.756	0.035	0.737



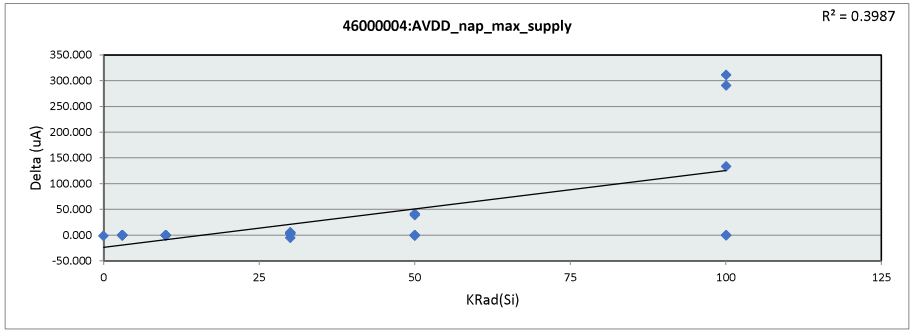
	46000003:DVDD_max_supply					
Test Site						
Tester						
Test Number						
Max Limit	13	mA				
Min Limit	1	mA				
KRad(Si)	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	3.394	3.329	3.335	3.336	3.333	3.340
Average	3.394	3.376	3.381	3.372	3.402	3.396
Max	3.394	3.408	3.419	3.411	3.455	3.430
UL	13.000	13.000	13.000	13.000	13.000	13.000



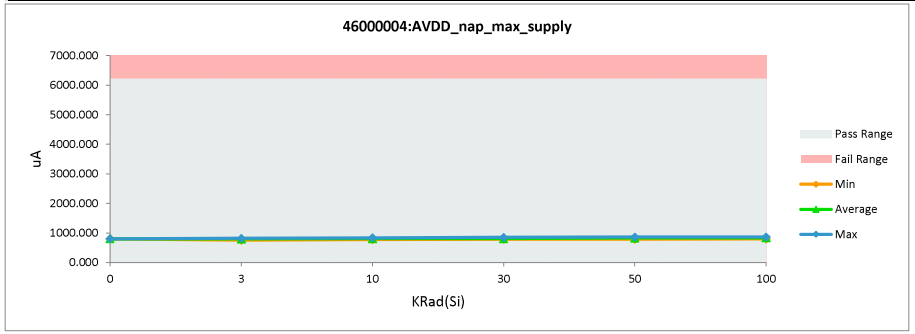
TID-HDR Report
ADC168M102R-SP

	46000004:AVDD_nap_max_supp	
Test Site		
Tester		
Test Number		
Unit	uA	uA
Max Limit	6200	6200
Min Limit	0	0

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	756.426	756.426	0.000
3	2	814.961	814.961	0.000
3	3	794.106	794.106	0.000
3	4	810.200	810.200	0.000
3	5	803.143	803.143	0.000
10	6	834.921	834.921	0.000
10	7	806.514	806.514	0.000
10	8	778.499	778.499	0.000
10	9	827.295	827.295	0.000
10	10	806.168	806.168	0.000
30	33	819.941	814.769	5.172
30	34	843.523	848.688	-5.165
30	35	807.757	804.661	3.096
30	36	797.200	794.864	2.336
30	37	792.801	787.292	5.509
50	11	886.956	848.168	38.788
50	12	862.345	820.731	41.614
50	13	861.960	862.554	-0.594
50	21	790.701	790.701	0.000
50	22	811.924	811.924	0.000
100	23	794.692	794.692	0.000
100	24	822.818	822.818	0.000
100	17	1163.010	851.464	311.546
100	18	1133.947	843.183	290.764
100	19	991.696	858.230	133.466
0	20	801.811	802.931	-1.120
	Max	1163.010	862.554	311.546
	Average	846.743	814.996	31.747
	Min	756.426	756.426	-5.165
	Std Dev	99.297	26.140	84.036



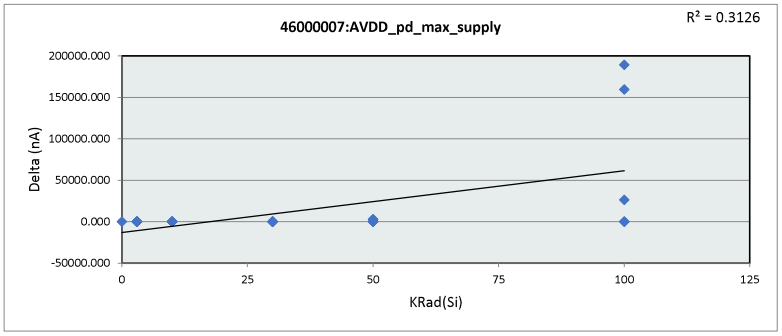
	46000004:AVDD_nap_max_su					
Test Site						
Tester						
Test Number						
Max Limit	6200	uA				
Min Limit	0	uA				
KRad(Si)	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	802.931	756.426	778.499	787.292	790.701	794.692
Average	802.931	795.767	810.679	810.055	826.816	834.077
Max	802.931	814.961	834.921	848.688	862.554	858.230
UL	6200.000	6200.000	6200.000	6200.000	6200.000	6200.000



TID-HDR Report
ADC168M102R-SP

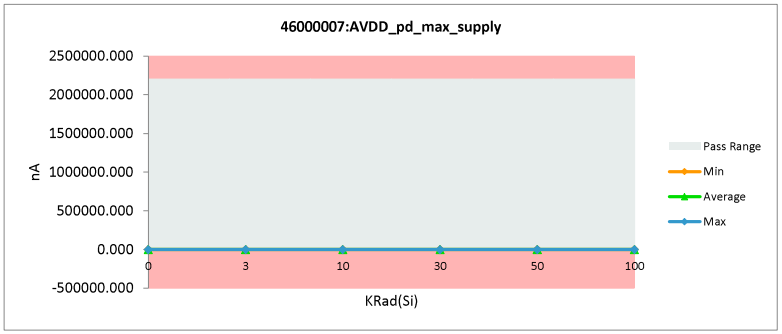
	46000007:AVDD_pd_max_supply	
Test Site		
Tester		
Test Number		
Unit	nA	nA
Max Limit	2200000	2200000
Min Limit	-5000	-5000

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	315.069	315.069	0.000
3	2	313.919	313.919	0.000
3	3	322.626	322.626	0.000
3	4	318.683	318.683	0.000
3	5	333.797	333.797	0.000
10	6	301.270	301.270	0.000
10	7	322.626	322.626	0.000
10	8	315.562	315.562	0.000
10	9	334.947	334.947	0.000
10	10	325.583	325.583	0.000
30	33	361.736	369.786	-8.050
30	34	372.743	389.665	-16.922
30	35	353.522	355.822	-2.300
30	36	354.836	358.943	-4.107
30	37	348.101	354.179	-6.078
50	11	3398.893	506.842	2892.051
50	12	3255.473	507.171	2748.302
50	13	494.849	493.371	1.478
50	21	323.776	323.776	0.000
50	22	313.262	313.262	0.000
100	23	307.676	307.676	0.000
100	24	324.761	324.761	0.000
100	17	190000.000	499.942	189500.058
100	18	160000.000	508.649	159491.351
100	19	26672.803	487.785	26185.018
0	20	513.413	504.378	9.035
	Max	190000.000	508.649	189500.058
	Average	15023.074	377.311	14645.763
	Min	301.270	301.270	-16.922
	Std Dev	47568.123	79.282	47527.835



	46000007:AVDD_pd_max_supply	
Test Site		
Tester		
Test Number		
Max Limit	2200000	nA
Min Limit	-5000	nA

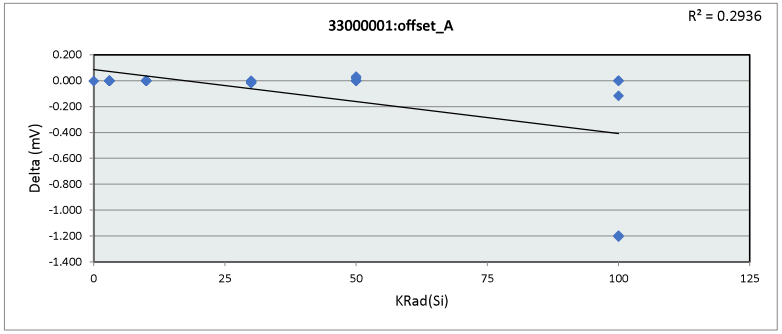
KRad(Si)	0	3	10	30	50	100
LL	-5000.000	-5000.000	-5000.000	-5000.000	-5000.000	-5000.000
Min	504.378	313.919	301.270	354.179	313.262	307.676
Average	504.378	320.819	319.998	365.679	428.884	425.763
Max	504.378	333.797	334.947	389.665	507.171	508.649
UL	2200000.000	2200000.000	2200000.000	2200000.000	2200000.000	2200000.000



TID-HDR Report
ADC168M102R-SP

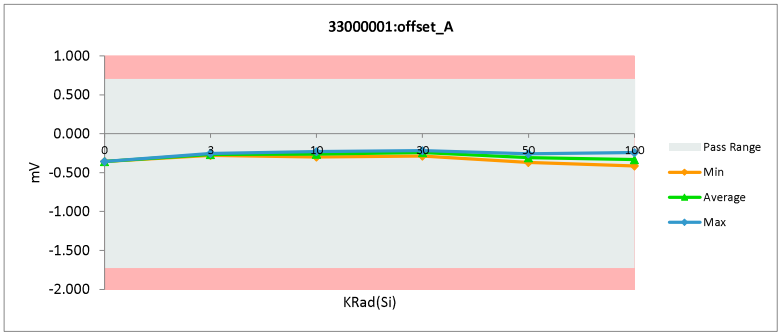
	33000001:offset_A	
Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	0.695	0.695
Min Limit	-1.726	-1.726

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	-0.276	-0.276	0.000
3	2	-0.257	-0.257	0.000
3	3	-0.278	-0.278	0.000
3	4	-0.267	-0.267	0.000
3	5	-0.251	-0.251	0.000
10	6	-0.230	-0.230	0.000
10	7	-0.287	-0.287	0.000
10	8	-0.256	-0.256	0.000
10	9	-0.300	-0.300	0.000
10	10	-0.232	-0.232	0.000
30	33	-0.296	-0.287	-0.009
30	34	-0.269	-0.255	-0.014
30	35	-0.235	-0.217	-0.018
30	36	-0.231	-0.224	-0.007
30	37	-0.231	-0.230	-0.001
50	11	-0.349	-0.367	0.018
50	12	-0.290	-0.321	0.031
50	13	-0.305	-0.303	-0.002
50	21	-0.281	-0.281	0.000
50	22	-0.257	-0.257	0.000
100	23	-0.241	-0.241	0.000
100	24	-0.293	-0.293	0.000
100	17	-1.570	-0.364	-1.206
100	18	-1.538	-0.340	-1.198
100	19	-0.529	-0.412	-0.117
0	20	-0.360	-0.355	-0.005
	Max	-0.230	-0.217	0.031
	Average	-0.381	-0.284	-0.097
	Min	-1.570	-0.412	-1.206
	Std Dev	0.351	0.050	0.326



	33000001:offset_A	
Test Site		
Tester		
Test Number		
Max Limit	0.695	mV
Min Limit	-1.726	mV

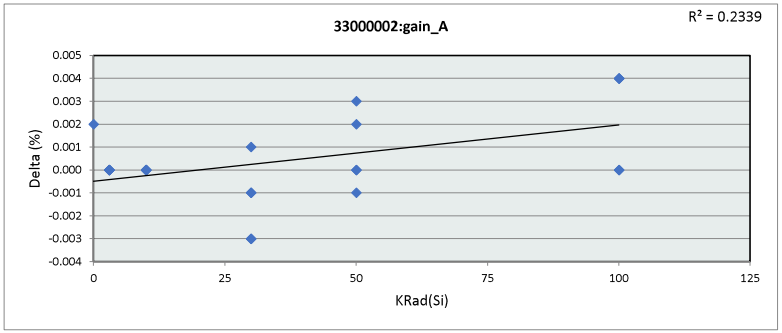
KRad(Si)	0	3	10	30	50	100
LL	-1.726	-1.726	-1.726	-1.726	-1.726	-1.726
Min	-0.355	-0.278	-0.300	-0.287	-0.367	-0.412
Average	-0.355	-0.266	-0.261	-0.243	-0.306	-0.330
Max	-0.355	-0.251	-0.230	-0.217	-0.257	-0.241
UL	0.695	0.695	0.695	0.695	0.695	0.695



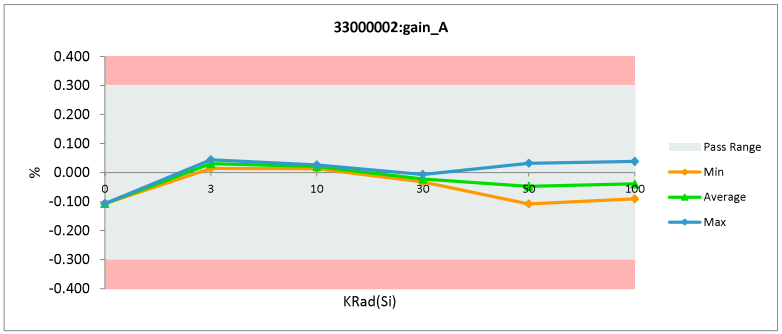
TID-HDR Report
ADC168M102R-SP

	33000002:gain_A	
Test Site		
Tester		
Test Number		
Unit	%	%
Max Limit	0.3	0.3
Min Limit	-0.3	-0.3

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	0.038	0.038	0.000
3	2	0.014	0.014	0.000
3	3	0.025	0.025	0.000
3	4	0.031	0.031	0.000
3	5	0.044	0.044	0.000
10	6	0.026	0.026	0.000
10	7	0.025	0.025	0.000
10	8	0.018	0.018	0.000
10	9	0.013	0.013	0.000
10	10	0.020	0.020	0.000
30	33	-0.026	-0.027	0.001
30	34	-0.030	-0.027	-0.003
30	35	-0.034	-0.033	-0.001
30	36	-0.021	-0.020	-0.001
30	37	-0.010	-0.007	-0.003
50	11	-0.099	-0.101	0.002
50	12	-0.073	-0.076	0.003
50	13	-0.109	-0.108	-0.001
50	21	0.016	0.016	0.000
50	22	0.032	0.032	0.000
100	23	0.019	0.019	0.000
100	24	0.038	0.038	0.000
100	17	-0.076	-0.080	0.004
100	18	-0.087	-0.091	0.004
100	19	-0.078	-0.082	0.004
0	20	-0.105	-0.107	0.002
	Max	0.044	0.044	0.004
	Average	-0.015	-0.015	0.000
	Min	-0.109	-0.108	-0.003
	Std Dev	0.051	0.052	0.002



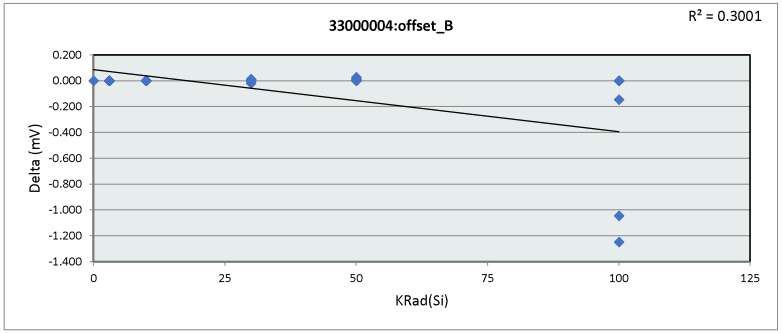
	33000002:gain_A					
Test Site						
Tester						
Test Number						
Max Limit	0.3	%				
Min Limit	-0.3	%				
KRad(Si)	0	3	10	30	50	100
LL	-0.300	-0.300	-0.300	-0.300	-0.300	-0.300
Min	-0.107	0.014	0.013	-0.033	-0.108	-0.091
Average	-0.107	0.030	0.020	-0.023	-0.047	-0.039
Max	-0.107	0.044	0.026	-0.007	0.032	0.038
UL	0.300	0.300	0.300	0.300	0.300	0.300



TID-HDR Report
ADC168M102R-SP

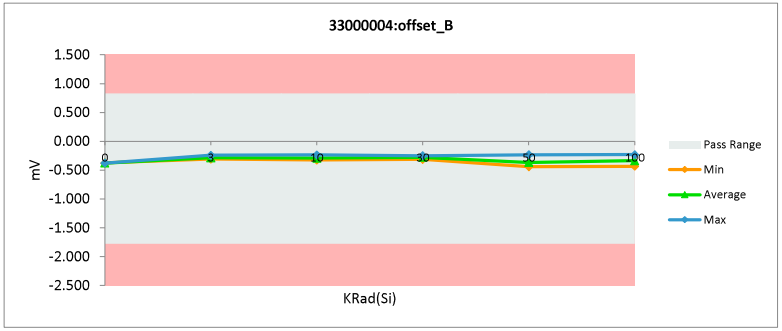
	33000004:offset_B	
Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	0.818	0.818
Min Limit	-1.779	-1.779

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	-0.298	-0.298	0.000
3	2	-0.300	-0.300	0.000
3	3	-0.308	-0.308	0.000
3	4	-0.244	-0.244	0.000
3	5	-0.276	-0.276	0.000
10	6	-0.272	-0.272	0.000
10	7	-0.238	-0.238	0.000
10	8	-0.318	-0.318	0.000
10	9	-0.288	-0.288	0.000
10	10	-0.327	-0.327	0.000
30	33	-0.243	-0.249	0.006
30	34	-0.308	-0.312	0.004
30	35	-0.322	-0.301	-0.021
30	36	-0.250	-0.261	0.011
30	37	-0.272	-0.266	-0.006
50	11	-0.419	-0.432	0.013
50	12	-0.370	-0.396	0.026
50	13	-0.430	-0.438	0.008
50	21	-0.233	-0.233	0.000
50	22	-0.328	-0.328	0.000
100	23	-0.250	-0.250	0.000
100	24	-0.232	-0.232	0.000
100	17	-1.619	-0.369	-1.250
100	18	-1.479	-0.434	-1.045
100	19	-0.545	-0.398	-0.147
0	20	-0.377	-0.377	0.000
	Max	-0.232	-0.232	0.026
	Average	-0.406	-0.313	-0.092
	Min	-1.619	-0.438	-1.250
	Std Dev	0.345	0.065	0.313



	33000004:offset_B	
Test Site		
Tester		
Test Number		
Max Limit	0.818	mV
Min Limit	-1.779	mV

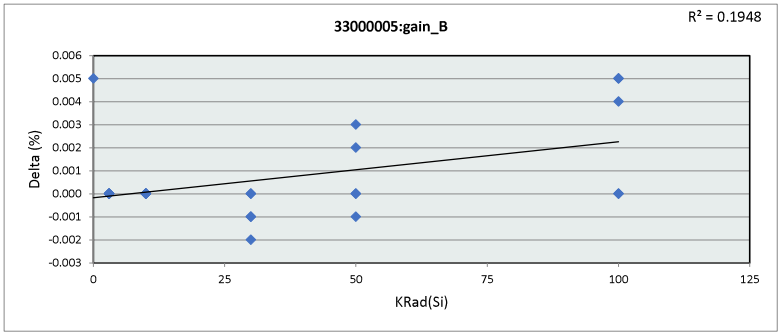
KRad(Si)	0	3	10	30	50	100
LL	-1.779	-1.779	-1.779	-1.779	-1.779	-1.779
Min	-0.377	-0.308	-0.327	-0.312	-0.438	-0.434
Average	-0.377	-0.285	-0.289	-0.278	-0.365	-0.337
Max	-0.377	-0.244	-0.238	-0.249	-0.233	-0.232
UL	0.818	0.818	0.818	0.818	0.818	0.818



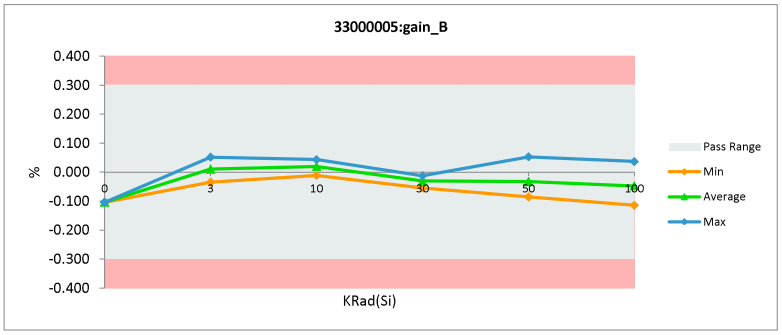
TID-HDR Report
ADC168M102R-SP

	33000005:gain_B	
Test Site		
Tester		
Test Number		
Unit	%	%
Max Limit	0.3	0.3
Min Limit	-0.3	-0.3

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	0.019	0.019	0.000
3	2	-0.034	-0.034	0.000
3	3	-0.030	-0.030	0.000
3	4	0.048	0.048	0.000
3	5	0.052	0.052	0.000
10	6	0.025	0.025	0.000
10	7	0.015	0.015	0.000
10	8	0.043	0.043	0.000
10	9	0.028	0.028	0.000
10	10	-0.011	-0.011	0.000
30	33	-0.027	-0.027	0.000
30	34	-0.014	-0.012	-0.002
30	35	-0.056	-0.055	-0.001
30	36	-0.035	-0.035	0.000
30	37	-0.023	-0.022	-0.001
50	11	-0.083	-0.085	0.002
50	12	-0.075	-0.078	0.003
50	13	-0.080	-0.079	-0.001
50	21	0.053	0.053	0.000
50	22	0.029	0.029	0.000
100	23	0.030	0.030	0.000
100	24	0.037	0.037	0.000
100	17	-0.110	-0.114	0.004
100	18	-0.085	-0.090	0.005
100	19	-0.095	-0.100	0.005
0	20	-0.099	-0.104	0.005
	Max	0.053	0.053	0.005
	Average	-0.018	-0.019	0.001
	Min	-0.110	-0.114	-0.002
	Std Dev	0.053	0.055	0.002



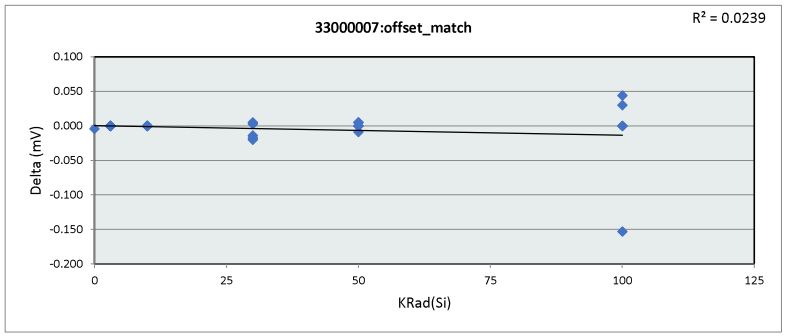
	33000005:gain_B					
Test Site						
Tester						
Test Number						
Max Limit	0.3	%				
Min Limit	-0.3	%				
KRad(Si)	0	3	10	30	50	100
LL	-0.300	-0.300	-0.300	-0.300	-0.300	-0.300
Min	-0.104	-0.034	-0.011	-0.055	-0.085	-0.114
Average	-0.104	0.011	0.020	-0.030	-0.032	-0.047
Max	-0.104	0.052	0.043	-0.012	0.053	0.037
UL	0.300	0.300	0.300	0.300	0.300	0.300



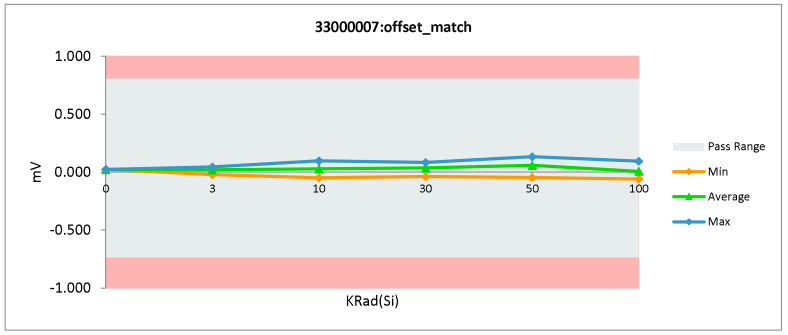
TID-HDR Report
ADC168M102R-SP

	33000007:offset_match	
Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	0.8	0.8
Min Limit	-0.737	-0.737

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	0.022	0.022	0.000
3	2	0.043	0.043	0.000
3	3	0.030	0.030	0.000
3	4	-0.023	-0.023	0.000
3	5	0.025	0.025	0.000
10	6	0.042	0.042	0.000
10	7	-0.049	-0.049	0.000
10	8	0.062	0.062	0.000
10	9	-0.012	-0.012	0.000
10	10	0.096	0.096	0.000
30	33	-0.053	-0.039	-0.014
30	34	0.040	0.057	-0.017
30	35	0.087	0.084	0.003
30	36	0.018	0.038	-0.020
30	37	0.041	0.036	0.005
50	11	0.070	0.065	0.005
50	12	0.080	0.075	0.005
50	13	0.125	0.134	-0.009
50	21	-0.048	-0.048	0.000
50	22	0.071	0.071	0.000
100	23	0.009	0.009	0.000
100	24	-0.061	-0.061	0.000
100	17	0.049	0.005	0.044
100	18	-0.059	0.094	-0.153
100	19	0.016	-0.014	0.030
0	20	0.018	0.022	-0.004
	Max	0.125	0.134	0.044
	Average	0.025	0.029	-0.005
	Min	-0.061	-0.061	-0.153
	Std Dev	0.051	0.050	0.033



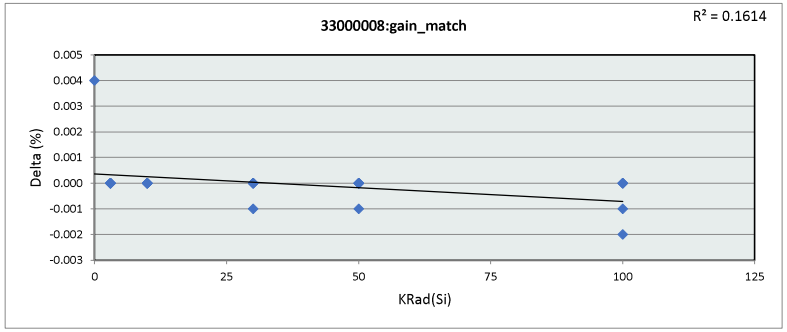
	33000007:offset_match					
Test Site						
Tester						
Test Number						
Max Limit	0.8	mV				
Min Limit	-0.737	mV				
KRad(Si)	0	3	10	30	50	100
LL	-0.737	-0.737	-0.737	-0.737	-0.737	-0.737
Min	0.022	-0.023	-0.049	-0.039	-0.048	-0.061
Average	0.022	0.019	0.028	0.035	0.059	0.007
Max	0.022	0.043	0.096	0.084	0.134	0.094
UL	0.800	0.800	0.800	0.800	0.800	0.800



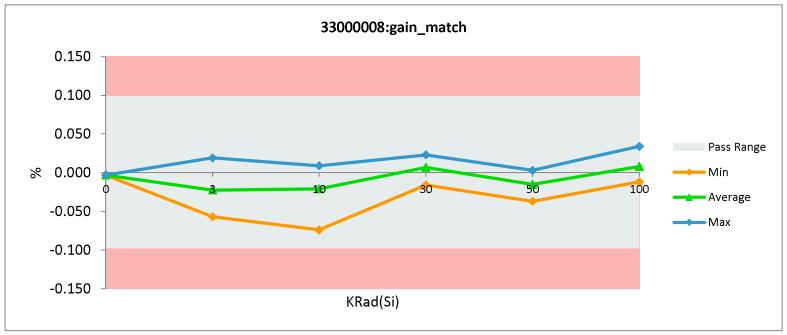
TID-HDR Report
ADC168M102R-SP

	33000008:gain_match	
Test Site		
Tester		
Test Number		
Unit	%	%
Max Limit	0.098	0.098
Min Limit	-0.098	-0.098

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	0.019	0.019	0.000
3	2	-0.057	-0.057	0.000
3	3	-0.049	-0.049	0.000
3	4	-0.017	-0.017	0.000
3	5	-0.008	-0.008	0.000
10	6	0.001	0.001	0.000
10	7	0.009	0.009	0.000
10	8	-0.025	-0.025	0.000
10	9	-0.015	-0.015	0.000
10	10	-0.074	-0.074	0.000
30	33	0.000	0.000	0.000
30	34	-0.016	-0.016	0.000
30	35	0.022	0.023	-0.001
30	36	0.014	0.014	0.000
30	37	0.014	0.014	0.000
50	11	-0.016	-0.016	0.000
50	12	0.002	0.003	-0.001
50	13	-0.029	-0.029	0.000
50	21	-0.037	-0.037	0.000
50	22	0.003	0.003	0.000
100	23	-0.012	-0.012	0.000
100	24	0.001	0.001	0.000
100	17	0.034	0.034	0.000
100	18	-0.002	-0.001	-0.001
100	19	0.017	0.019	-0.002
0	20	0.001	-0.003	0.004
	Max	0.034	0.034	0.004
	Average	-0.008	-0.008	0.000
	Min	-0.074	-0.074	-0.002
	Std Dev	0.025	0.026	0.001



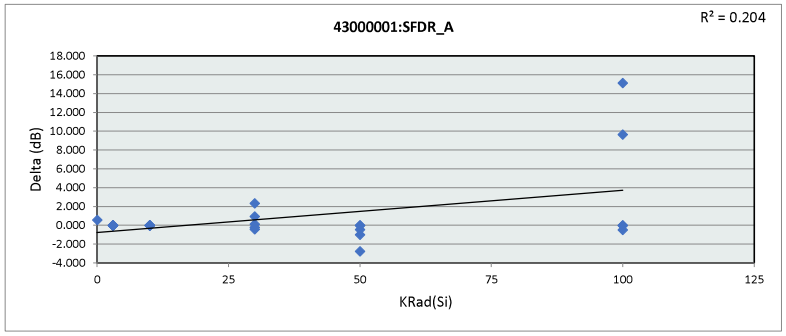
	33000008:gain_match					
Test Site						
Tester						
Test Number						
Max Limit	0.098	%				
Min Limit	-0.098	%				
KRad(Si)	0	3	10	30	50	100
LL	-0.098	-0.098	-0.098	-0.098	-0.098	-0.098
Min	-0.003	-0.057	-0.074	-0.016	-0.037	-0.012
Average	-0.003	-0.022	-0.021	0.007	-0.015	0.008
Max	-0.003	0.019	0.009	0.023	0.003	0.034
UL	0.098	0.098	0.098	0.098	0.098	0.098



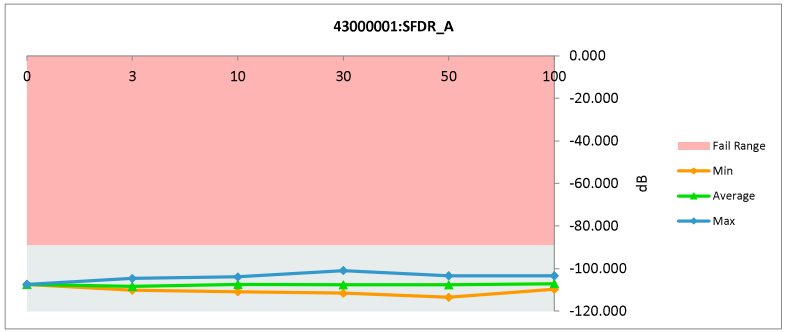
TID-HDR Report
ADC168M102R-SP

	43000001:SFDR_A	
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-89	-89
Min Limit		

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	-110.168	-110.168	0.000
3	2	-108.886	-108.886	0.000
3	3	-108.151	-108.151	0.000
3	4	-109.753	-109.753	0.000
3	5	-104.625	-104.625	0.000
10	6	-110.883	-110.883	0.000
10	7	-103.924	-103.924	0.000
10	8	-110.267	-110.267	0.000
10	9	-106.456	-106.456	0.000
10	10	-105.603	-105.603	0.000
30	33	-108.780	-108.908	0.128
30	34	-109.199	-111.549	2.350
30	35	-105.825	-105.617	-0.208
30	36	-100.022	-100.967	0.945
30	37	-111.507	-111.098	-0.409
50	11	-105.748	-104.758	-0.990
50	12	-110.038	-109.595	-0.443
50	13	-116.254	-113.491	-2.763
50	21	-103.363	-103.363	0.000
50	22	-106.647	-106.647	0.000
100	23	-103.344	-103.344	0.000
100	24	-109.720	-109.720	0.000
100	17	-94.396	-109.506	15.110
100	18	-96.835	-106.494	9.659
100	19	-106.886	-106.394	-0.492
0	20	-106.823	-107.397	0.574
	Max	-94.396	-100.967	15.110
	Average	-106.696	-107.599	0.902
	Min	-116.254	-113.491	-2.763
	Std Dev	4.623	3.038	3.558



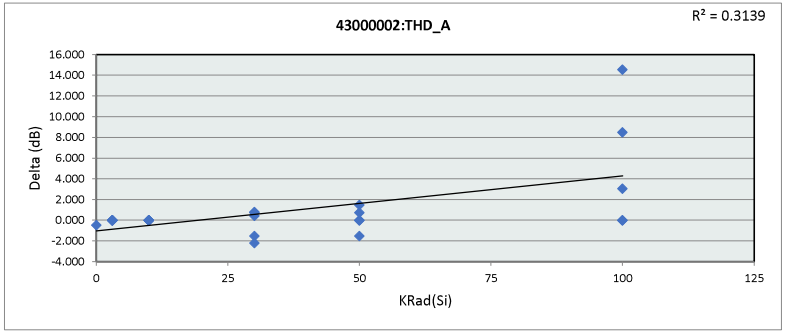
	43000001:SFDR_A					
Test Site						
Tester						
Test Number						
Max Limit	-89	dB				
Min Limit		dB				
KRad(Si)	0	3	10	30	50	100
LL						
Min	-107.397	-110.168	-110.883	-111.549	-113.491	-109.720
Average	-107.397	-108.317	-107.427	-107.628	-107.571	-107.092
Max	-107.397	-104.625	-103.924	-100.967	-103.363	-103.344
UL	-89.000	-89.000	-89.000	-89.000	-89.000	-89.000



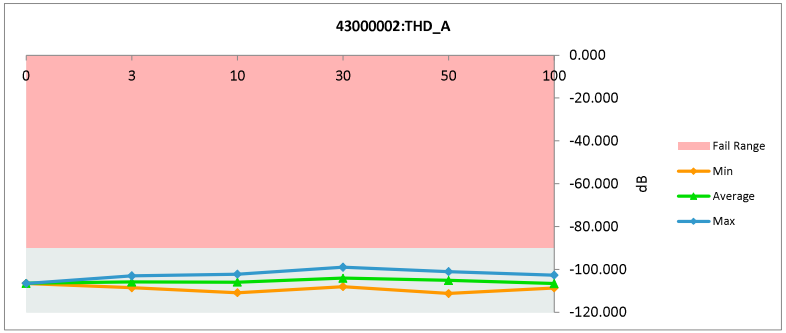
TID-HDR Report
ADC168M102R-SP

	43000002:THD_A	
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-90	-90
Min Limit		

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	-105.198	-105.198	0.000
3	2	-108.596	-108.596	0.000
3	3	-105.707	-105.707	0.000
3	4	-106.915	-106.915	0.000
3	5	-102.979	-102.979	0.000
10	6	-108.332	-108.332	0.000
10	7	-102.177	-102.177	0.000
10	8	-110.902	-110.902	0.000
10	9	-105.004	-105.004	0.000
10	10	-103.204	-103.204	0.000
30	33	-104.018	-104.830	0.812
30	34	-108.817	-107.300	-1.517
30	35	-103.442	-101.232	-2.210
30	36	-98.225	-98.971	0.746
30	37	-107.592	-108.006	0.414
50	11	-103.762	-104.518	0.756
50	12	-104.525	-105.996	1.471
50	13	-112.740	-111.231	-1.509
50	21	-101.000	-101.000	0.000
50	22	-103.198	-103.198	0.000
100	23	-102.681	-102.681	0.000
100	24	-108.016	-108.016	0.000
100	17	-94.142	-108.690	14.548
100	18	-96.515	-104.997	8.482
100	19	-105.275	-108.342	3.067
0	20	-107.020	-106.539	-0.481
	Max	-94.142	-98.971	14.548
	Average	-104.615	-105.560	0.945
	Min	-112.740	-111.231	-2.210
	Std Dev	4.169	3.073	3.368



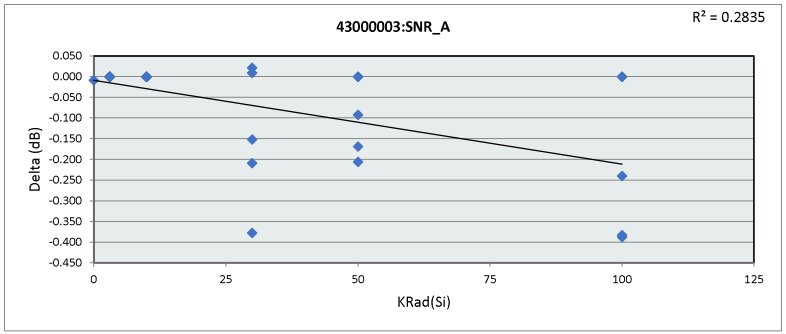
	43000002:THD_A					
Test Site						
Tester						
Test Number						
Max Limit	-90	dB				
Min Limit		dB				
KRad(Si)	0	3	10	30	50	100
LL						
Min	-106.539	-108.596	-110.902	-108.006	-111.231	-108.690
Average	-106.539	-105.879	-105.924	-104.068	-105.189	-106.545
Max	-106.539	-102.979	-102.177	-98.971	-101.000	-102.681
UL	-90.000	-90.000	-90.000	-90.000	-90.000	-90.000



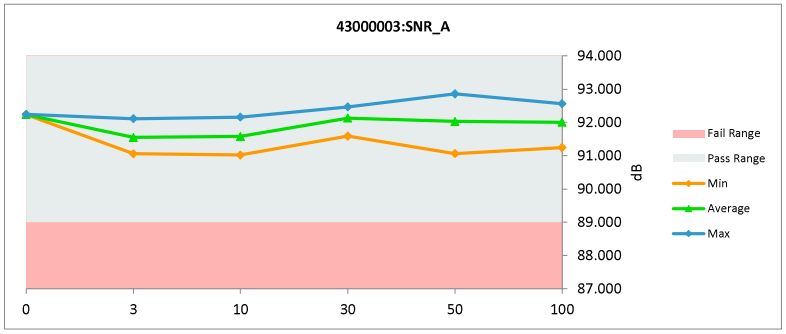
TID-HDR Report
ADC168M102R-SP

	43000003:SNR_A	
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit		
Min Limit	89	89

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	92.113	92.113	0.000
3	2	91.058	91.058	0.000
3	3	91.380	91.380	0.000
3	4	91.694	91.694	0.000
3	5	91.499	91.499	0.000
10	6	91.499	91.499	0.000
10	7	91.279	91.279	0.000
10	8	92.163	92.163	0.000
10	9	91.021	91.021	0.000
10	10	91.935	91.935	0.000
30	33	92.214	92.193	0.021
30	34	92.258	92.467	-0.209
30	35	91.911	92.288	-0.377
30	36	91.600	91.591	0.009
30	37	91.972	92.124	-0.152
50	11	92.024	92.116	-0.092
50	12	92.339	92.508	-0.169
50	13	92.655	92.861	-0.206
50	21	91.065	91.065	0.000
50	22	91.582	91.582	0.000
100	23	91.764	91.764	0.000
100	24	91.246	91.246	0.000
100	17	91.885	92.273	-0.388
100	18	92.183	92.566	-0.383
100	19	91.924	92.164	-0.240
0	20	92.230	92.239	-0.009
	Max	92.655	92.861	0.021
	Average	91.788	91.873	-0.084
	Min	91.021	91.021	-0.388
	Std Dev	0.439	0.516	0.135



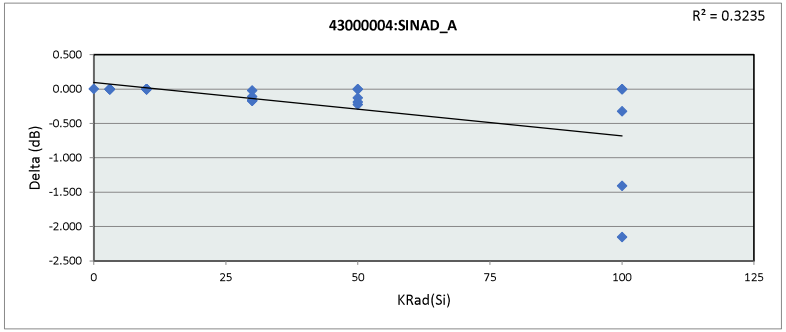
	43000003:SNR_A					
Test Site						
Tester						
Test Number						
Max Limit		dB				
Min Limit	89	dB				
KRad(Si)	0	3	10	30	50	100
LL	89.000	89.000	89.000	89.000	89.000	89.000
Min	92.239	91.058	91.021	91.591	91.065	91.246
Average	92.239	91.549	91.579	92.133	92.026	92.003
Max	92.239	92.113	92.163	92.467	92.861	92.566
UL						



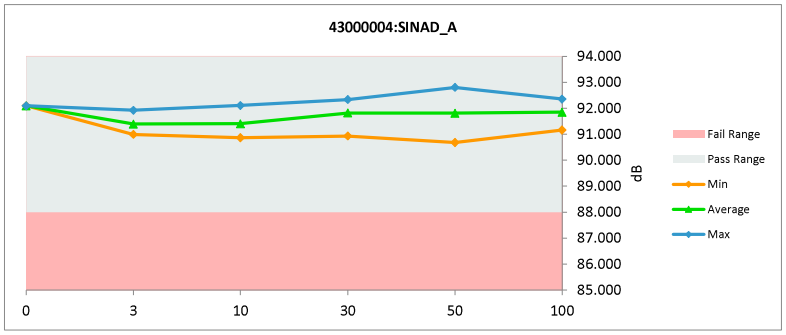
TID-HDR Report
ADC168M102R-SP

	43000004:SINAD_A	
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit		
Min Limit	88	88

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	91.925	91.925	0.000
3	2	90.990	90.990	0.000
3	3	91.238	91.238	0.000
3	4	91.578	91.578	0.000
3	5	91.229	91.229	0.000
10	6	91.419	91.419	0.000
10	7	90.972	90.972	0.000
10	8	92.111	92.111	0.000
10	9	90.867	90.867	0.000
10	10	91.652	91.652	0.000
30	33	91.965	91.986	-0.021
30	34	92.173	92.341	-0.168
30	35	91.646	91.818	-0.172
30	36	90.827	90.933	-0.106
30	37	91.866	92.025	-0.159
50	11	91.772	91.898	-0.126
50	12	92.110	92.337	-0.227
50	13	92.617	92.805	-0.188
50	21	90.685	90.685	0.000
50	22	91.320	91.320	0.000
100	23	91.458	91.458	0.000
100	24	91.164	91.164	0.000
100	17	90.033	92.186	-2.153
100	18	90.945	92.350	-1.405
100	19	91.748	92.071	-0.323
0	20	92.103	92.097	0.006
	Max	92.617	92.805	0.006
	Average	91.477	91.671	-0.194
	Min	90.033	90.685	-2.153
	Std Dev	0.577	0.559	0.487



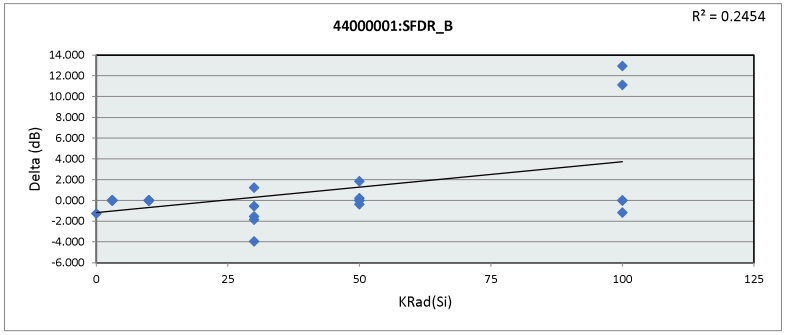
	43000004:SINAD_A					
Test Site						
Tester						
Test Number						
Max Limit		dB				
Min Limit	88	dB				
KRad(Si)	0	3	10	30	50	100
LL	88.000	88.000	88.000	88.000	88.000	88.000
Min	92.097	90.990	90.867	90.933	90.685	91.164
Average	92.097	91.392	91.404	91.821	91.809	91.846
Max	92.097	91.925	92.111	92.341	92.805	92.350
UL						



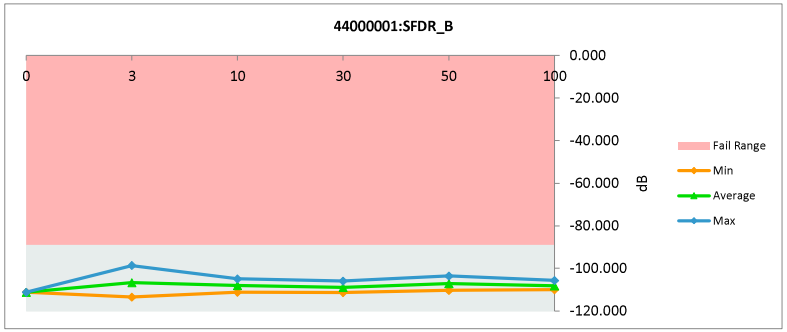
TID-HDR Report
ADC168M102R-SP

	44000001:SFDR_B	
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-89	-89
Min Limit		

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	-105.702	-105.702	0.000
3	2	-98.655	-98.655	0.000
3	3	-107.690	-107.690	0.000
3	4	-113.478	-113.478	0.000
3	5	-107.647	-107.647	0.000
10	6	-109.606	-109.606	0.000
10	7	-111.144	-111.144	0.000
10	8	-106.594	-106.594	0.000
10	9	-107.699	-107.699	0.000
10	10	-104.980	-104.980	0.000
30	33	-108.775	-108.209	-0.566
30	34	-110.118	-111.341	1.223
30	35	-111.804	-109.949	-1.855
30	36	-111.089	-109.534	-1.555
30	37	-109.901	-105.954	-3.947
50	11	-104.006	-103.615	-0.391
50	12	-107.232	-107.435	0.203
50	13	-108.544	-110.372	1.828
50	21	-104.034	-104.034	0.000
50	22	-110.374	-110.374	0.000
100	23	-109.890	-109.890	0.000
100	24	-110.035	-110.035	0.000
100	17	-95.071	-108.023	12.952
100	18	-95.996	-107.126	11.130
100	19	-106.863	-105.687	-1.176
0	20	-112.433	-111.185	-1.248
	Max	-95.071	-98.655	12.952
	Average	-107.283	-107.921	0.638
	Min	-113.478	-113.478	-3.947
	Std Dev	4.665	3.088	3.526



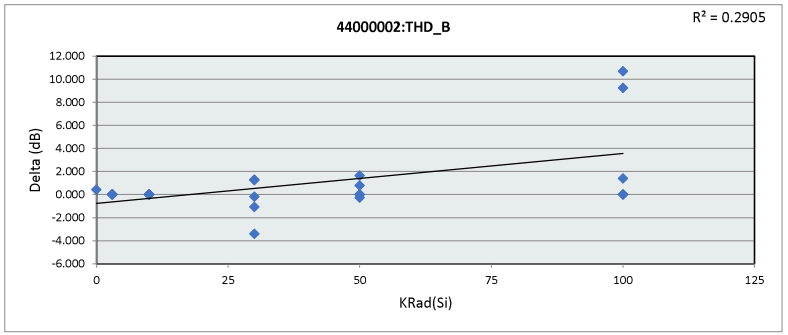
	44000001:SFDR_B					
Test Site						
Tester						
Test Number						
Max Limit	-89	dB				
Min Limit		dB				
KRad(Si)	0	3	10	30	50	100
LL						
Min	-111.185	-113.478	-111.144	-111.341	-110.374	-110.035
Average	-111.185	-106.634	-108.005	-108.997	-107.166	-108.152
Max	-111.185	-98.655	-104.980	-105.954	-103.615	-105.687
UL	-89.000	-89.000	-89.000	-89.000	-89.000	-89.000



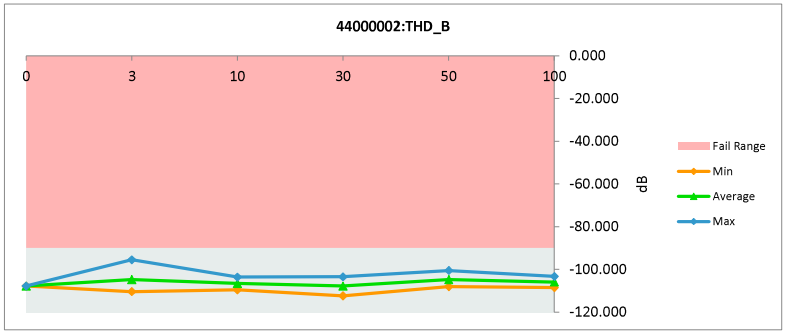
TID-HDR Report
ADC168M102R-SP

	44000002:THD_B	
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-90	-90
Min Limit		

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	-103.825	-103.825	0.000
3	2	-95.463	-95.463	0.000
3	3	-107.514	-107.514	0.000
3	4	-110.405	-110.405	0.000
3	5	-106.406	-106.406	0.000
10	6	-108.683	-108.683	0.000
10	7	-109.548	-109.548	0.000
10	8	-106.508	-106.508	0.000
10	9	-104.941	-104.941	0.000
10	10	-103.534	-103.534	0.000
30	33	-105.578	-104.522	-1.056
30	34	-111.126	-112.397	1.271
30	35	-109.766	-111.059	1.293
30	36	-107.721	-107.544	-0.177
30	37	-106.873	-103.463	-3.410
50	11	-100.794	-100.535	-0.259
50	12	-103.129	-103.923	0.794
50	13	-105.291	-106.923	1.632
50	21	-104.293	-104.293	0.000
50	22	-108.002	-108.002	0.000
100	23	-108.514	-108.514	0.000
100	24	-107.319	-107.319	0.000
100	17	-94.853	-105.548	10.695
100	18	-95.458	-104.721	9.263
100	19	-101.854	-103.247	1.393
0	20	-107.368	-107.811	0.443
	Max	-94.853	-95.463	10.695
	Average	-105.183	-106.025	0.842
	Min	-111.126	-112.397	-3.410
	Std Dev	4.459	3.493	2.852



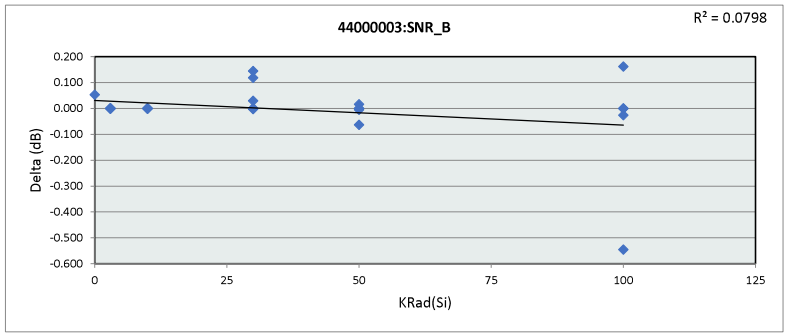
	44000002:THD_B					
Test Site						
Tester						
Test Number						
Max Limit	-90	dB				
Min Limit		dB				
KRad(Si)	0	3	10	30	50	100
LL						
Min	-107.811	-110.405	-109.548	-112.397	-108.002	-108.514
Average	-107.811	-104.723	-106.643	-107.797	-104.735	-105.870
Max	-107.811	-95.463	-103.534	-103.463	-100.535	-103.247
UL	-90.000	-90.000	-90.000	-90.000	-90.000	-90.000



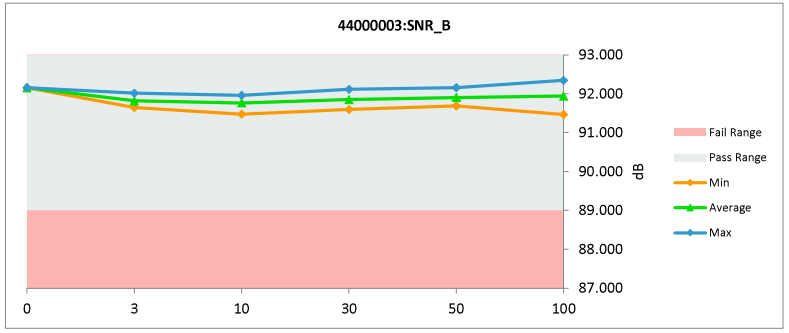
TID-HDR Report
ADC168M102R-SP

	44000003:SNR_B	
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit		
Min Limit	89	89

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	91.943	91.943	0.000
3	2	91.784	91.784	0.000
3	3	91.692	91.692	0.000
3	4	92.011	92.011	0.000
3	5	91.643	91.643	0.000
10	6	91.835	91.835	0.000
10	7	91.642	91.642	0.000
10	8	91.476	91.476	0.000
10	9	91.913	91.913	0.000
10	10	91.961	91.961	0.000
30	33	91.994	91.993	0.001
30	34	91.709	91.591	0.118
30	35	91.984	91.840	0.144
30	36	91.714	91.717	-0.003
30	37	92.143	92.114	0.029
50	11	91.929	91.993	-0.064
50	12	91.703	91.687	0.016
50	13	91.874	91.879	-0.005
50	21	91.798	91.798	0.000
50	22	92.157	92.157	0.000
100	23	91.740	91.740	0.000
100	24	91.466	91.466	0.000
100	17	91.613	92.159	-0.546
100	18	92.318	92.344	-0.026
100	19	92.147	91.985	0.162
0	20	92.209	92.156	0.053
	Max	92.318	92.344	0.162
	Average	91.861	91.866	-0.005
	Min	91.466	91.466	-0.546
	Std Dev	0.223	0.222	0.121



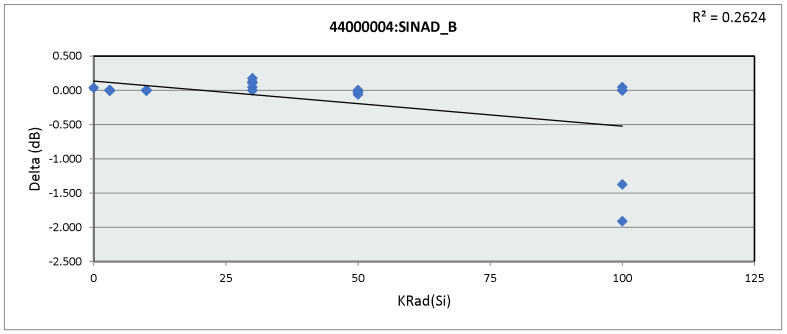
	44000003:SNR_B					
Test Site						
Tester						
Test Number						
Max Limit		dB				
Min Limit	89	dB				
KRad(Si)	0	3	10	30	50	100
LL	89.000	89.000	89.000	89.000	89.000	89.000
Min	92.156	91.643	91.476	91.591	91.687	91.466
Average	92.156	91.815	91.765	91.851	91.903	91.939
Max	92.156	92.011	91.961	92.114	92.157	92.344
UL						



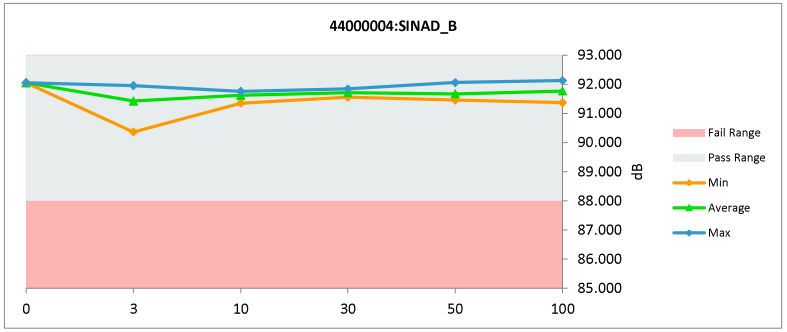
TID-HDR Report
ADC168M102R-SP

	44000004:SINAD_B	
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit		
Min Limit	88	88

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	91.696	91.696	0.000
3	2	90.365	90.365	0.000
3	3	91.590	91.590	0.000
3	4	91.955	91.955	0.000
3	5	91.514	91.514	0.000
10	6	91.755	91.755	0.000
10	7	91.579	91.579	0.000
10	8	91.355	91.355	0.000
10	9	91.722	91.722	0.000
10	10	91.696	91.696	0.000
30	33	91.827	91.781	0.046
30	34	91.665	91.559	0.106
30	35	91.920	91.794	0.126
30	36	91.617	91.617	0.000
30	37	92.014	91.838	0.176
50	11	91.452	91.481	-0.029
50	12	91.432	91.461	-0.029
50	13	91.701	91.759	-0.058
50	21	91.583	91.583	0.000
50	22	92.056	92.056	0.000
100	23	91.658	91.658	0.000
100	24	91.365	91.365	0.000
100	17	90.078	91.984	-1.906
100	18	90.752	92.125	-1.373
100	19	91.750	91.704	0.046
0	20	92.092	92.052	0.040
	Max	92.092	92.125	0.176
	Average	91.546	91.656	-0.110
	Min	90.078	90.365	-1.906
	Std Dev	0.476	0.334	0.459



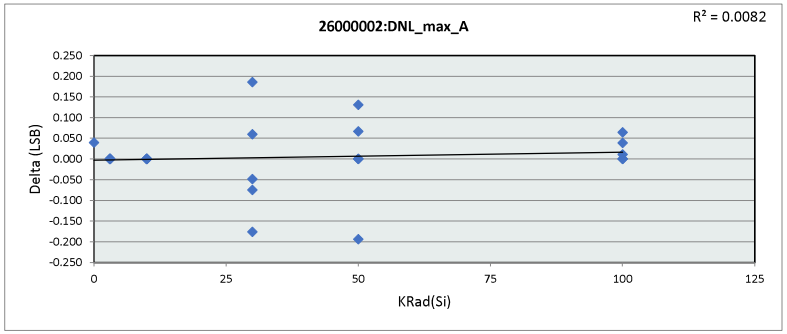
	44000004:SINAD_B					
Test Site						
Tester						
Test Number						
Max Limit		dB				
Min Limit	88	dB				
KRad(Si)	0	3	10	30	50	100
LL	88.000	88.000	88.000	88.000	88.000	88.000
Min	92.052	90.365	91.355	91.559	91.461	91.365
Average	92.052	91.424	91.621	91.718	91.668	91.767
Max	92.052	91.955	91.755	91.838	92.056	92.125
UL						



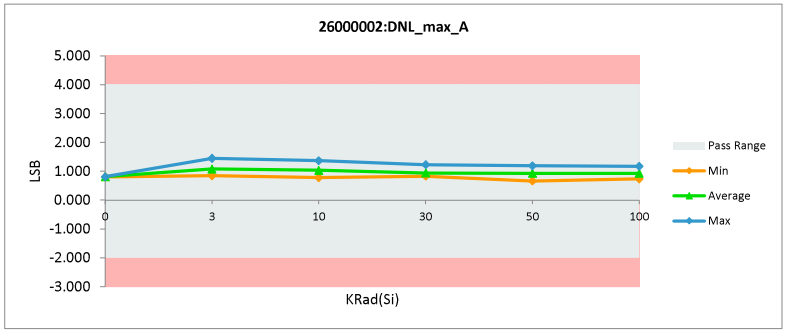
TID-HDR Report
ADC168M102R-SP

	26000002:DNL_max_A	
Test Site		
Tester		
Test Number		
Unit	LSB	LSB
Max Limit	4	4
Min Limit	-2	-2

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	0.846	0.846	0.000
3	2	1.450	1.450	0.000
3	3	0.977	0.977	0.000
3	4	1.002	1.002	0.000
3	5	1.110	1.110	0.000
10	6	1.056	1.056	0.000
10	7	1.364	1.364	0.000
10	8	0.782	0.782	0.000
10	9	1.184	1.184	0.000
10	10	0.779	0.779	0.000
30	33	0.888	0.828	0.060
30	34	0.781	0.856	-0.075
30	35	0.841	0.889	-0.048
30	36	1.103	0.917	0.186
30	37	1.051	1.227	-0.176
50	11	0.839	0.772	0.067
50	12	0.741	0.935	-0.194
50	13	0.791	0.660	0.131
50	21	1.185	1.185	0.000
50	22	1.084	1.084	0.000
100	23	1.172	1.172	0.000
100	24	1.153	1.153	0.000
100	17	0.888	0.824	0.064
100	18	0.773	0.762	0.011
100	19	0.773	0.734	0.039
0	20	0.851	0.811	0.040
	Max	1.450	1.450	0.186
	Average	0.979	0.975	0.004
	Min	0.741	0.660	-0.194
	Std Dev	0.196	0.207	0.076



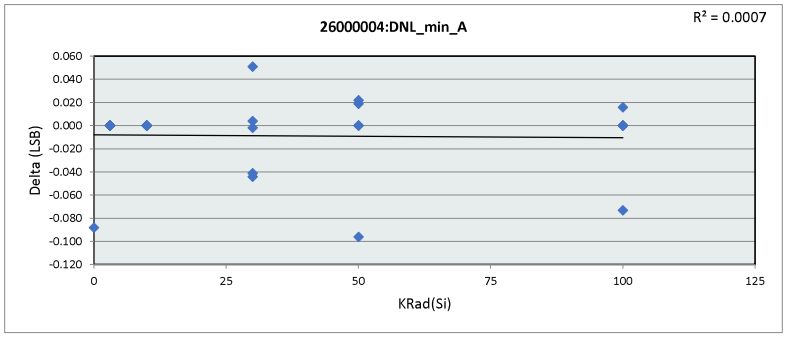
	26000002:DNL_max_A					
Test Site						
Tester						
Test Number						
Max Limit	4	LSB				
Min Limit	-2	LSB				
KRad(Si)	0	3	10	30	50	100
LL	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000
Min	0.811	0.846	0.779	0.828	0.660	0.734
Average	0.811	1.077	1.033	0.943	0.927	0.929
Max	0.811	1.450	1.364	1.227	1.185	1.172
UL	4.000	4.000	4.000	4.000	4.000	4.000



TID-HDR Report
ADC168M102R-SP

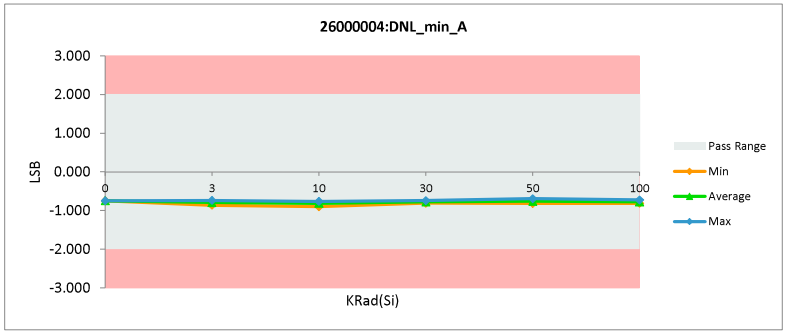
	26000004:DNL_min_A	
Test Site		
Tester		
Test Number		
Unit	LSB	LSB
Max Limit	2	2
Min Limit	-2	-2

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	-0.780	-0.780	0.000
3	2	-0.737	-0.737	0.000
3	3	-0.790	-0.790	0.000
3	4	-0.864	-0.864	0.000
3	5	-0.802	-0.802	0.000
10	6	-0.763	-0.763	0.000
10	7	-0.796	-0.796	0.000
10	8	-0.901	-0.901	0.000
10	9	-0.796	-0.796	0.000
10	10	-0.805	-0.805	0.000
30	33	-0.741	-0.745	0.004
30	34	-0.818	-0.774	-0.044
30	35	-0.755	-0.806	0.051
30	36	-0.793	-0.752	-0.041
30	37	-0.805	-0.803	-0.002
50	11	-0.846	-0.750	-0.096
50	12	-0.751	-0.773	0.022
50	13	-0.673	-0.692	0.019
50	21	-0.819	-0.819	0.000
50	22	-0.757	-0.757	0.000
100	23	-0.787	-0.787	0.000
100	24	-0.814	-0.814	0.000
100	17	-0.884	-0.811	-0.073
100	18	-0.739	-0.739	0.000
100	19	-0.713	-0.729	0.016
0	20	-0.838	-0.750	-0.088
	Max	-0.673	-0.692	0.051
	Average	-0.791	-0.782	-0.009
	Min	-0.901	-0.901	-0.096
	Std Dev	0.052	0.043	0.033



	26000004:DNL_min_A	
Test Site		
Tester		
Test Number		
Max Limit	2	LSB
Min Limit	-2	LSB

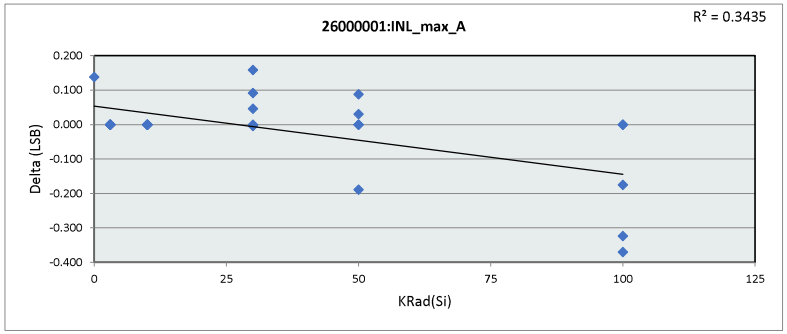
KRad(Si)	0	3	10	30	50	100
LL	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000
Min	-0.750	-0.864	-0.901	-0.806	-0.819	-0.814
Average	-0.750	-0.795	-0.812	-0.776	-0.758	-0.776
Max	-0.750	-0.737	-0.763	-0.745	-0.692	-0.729
UL	2.000	2.000	2.000	2.000	2.000	2.000



TID-HDR Report
ADC168M102R-SP

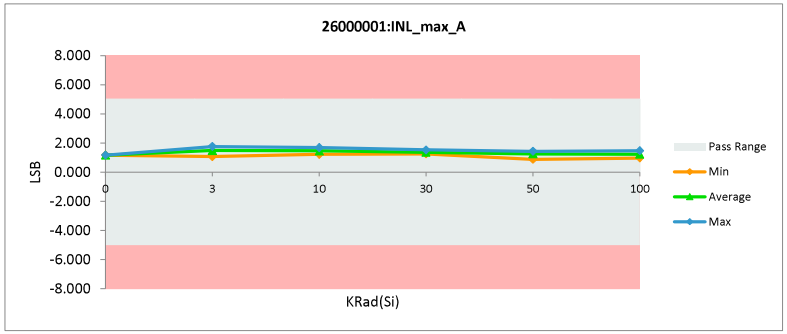
	26000001:INL_max_A	
Test Site		
Tester		
Test Number		
Unit	LSB	LSB
Max Limit	5	5
Min Limit	-5	-5

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	1.068	1.068	0.000
3	2	1.761	1.761	0.000
3	3	1.550	1.550	0.000
3	4	1.666	1.666	0.000
3	5	1.402	1.402	0.000
10	6	1.451	1.451	0.000
10	7	1.690	1.690	0.000
10	8	1.368	1.368	0.000
10	9	1.581	1.581	0.000
10	10	1.222	1.222	0.000
30	33	1.401	1.310	0.091
30	34	1.691	1.533	0.158
30	35	1.260	1.264	-0.004
30	36	1.324	1.278	0.046
30	37	1.439	1.440	-0.001
50	11	1.518	1.430	0.088
50	12	0.973	1.162	-0.189
50	13	0.914	0.884	0.030
50	21	1.391	1.391	0.000
50	22	1.422	1.422	0.000
100	23	1.250	1.250	0.000
100	24	1.481	1.481	0.000
100	17	0.863	1.187	-0.324
100	18	0.602	0.972	-0.370
100	19	1.140	1.315	-0.175
0	20	1.306	1.168	0.138
	Max	1.761	1.761	0.158
	Average	1.336	1.356	-0.020
	Min	0.602	0.884	-0.370
	Std Dev	0.280	0.213	0.120



	26000001:INL_max_A	
Test Site		
Tester		
Test Number		
Max Limit	5	LSB
Min Limit	-5	LSB

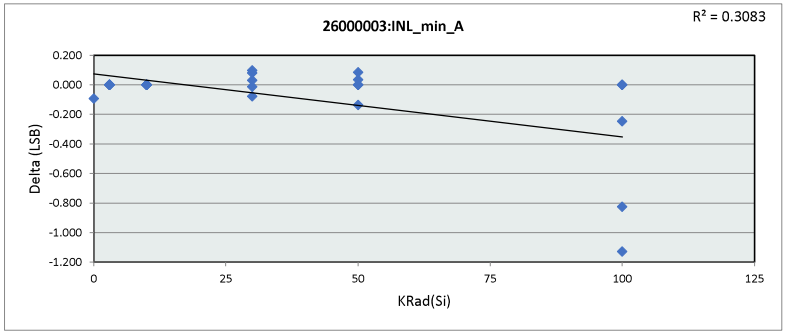
KRad(Si)	0	3	10	30	50	100
LL	-5.000	-5.000	-5.000	-5.000	-5.000	-5.000
Min	1.168	1.068	1.222	1.264	0.884	0.972
Average	1.168	1.489	1.462	1.365	1.258	1.241
Max	1.168	1.761	1.690	1.533	1.430	1.481
UL	5.000	5.000	5.000	5.000	5.000	5.000



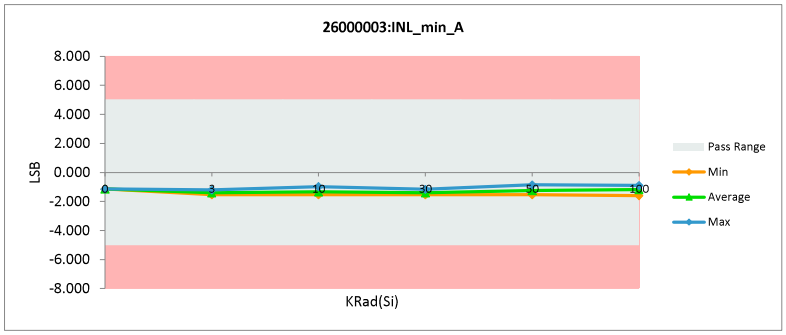
TID-HDR Report
ADC168M102R-SP

	26000003:INL_min_A	
Test Site		
Tester		
Test Number		
Unit	LSB	LSB
Max Limit	5	5
Min Limit	-5	-5

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	-1.483	-1.483	0.000
3	2	-1.540	-1.540	0.000
3	3	-1.480	-1.480	0.000
3	4	-1.203	-1.203	0.000
3	5	-1.294	-1.294	0.000
10	6	-1.537	-1.537	0.000
10	7	-1.433	-1.433	0.000
10	8	-0.971	-0.971	0.000
10	9	-1.449	-1.449	0.000
10	10	-1.232	-1.232	0.000
30	33	-1.486	-1.409	-0.077
30	34	-1.120	-1.152	0.032
30	35	-1.478	-1.467	-0.011
30	36	-1.444	-1.544	0.100
30	37	-1.297	-1.378	0.081
50	11	-1.355	-1.441	0.086
50	12	-1.191	-1.057	-0.134
50	13	-0.818	-0.854	0.036
50	21	-1.524	-1.524	0.000
50	22	-1.314	-1.314	0.000
100	23	-1.155	-1.155	0.000
100	24	-1.594	-1.594	0.000
100	17	-2.020	-0.893	-1.127
100	18	-1.843	-1.018	-0.825
100	19	-1.418	-1.172	-0.246
0	20	-1.229	-1.138	-0.091
	Max	-0.818	-0.854	0.100
	Average	-1.381	-1.297	-0.084
	Min	-2.020	-1.594	-1.127
	Std Dev	0.247	0.218	0.275



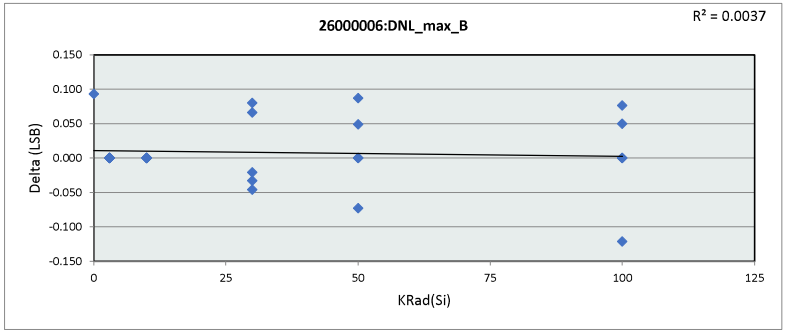
	26000003:INL_min_A					
Test Site						
Tester						
Test Number						
Max Limit	5	LSB				
Min Limit	-5	LSB				
KRad(Si)	0	3	10	30	50	100
LL	-5.000	-5.000	-5.000	-5.000	-5.000	-5.000
Min	-1.138	-1.540	-1.537	-1.544	-1.524	-1.594
Average	-1.138	-1.400	-1.324	-1.390	-1.238	-1.166
Max	-1.138	-1.203	-0.971	-1.152	-0.854	-0.893
UL	5.000	5.000	5.000	5.000	5.000	5.000



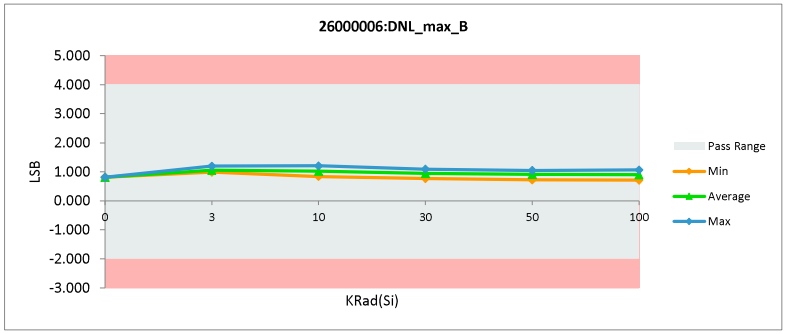
TID-HDR Report
ADC168M102R-SP

	26000006:DNL_max_B	
Test Site		
Tester		
Test Number		
Unit	LSB	LSB
Max Limit	4	4
Min Limit	-2	-2

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	0.988	0.988	0.000
3	2	1.029	1.029	0.000
3	3	1.195	1.195	0.000
3	4	1.020	1.020	0.000
3	5	1.025	1.025	0.000
10	6	0.839	0.839	0.000
10	7	0.966	0.966	0.000
10	8	1.078	1.078	0.000
10	9	0.993	0.993	0.000
10	10	1.206	1.206	0.000
30	33	0.939	0.972	-0.033
30	34	1.073	1.094	-0.021
30	35	1.012	0.932	0.080
30	36	1.037	0.971	0.066
30	37	0.722	0.768	-0.046
50	11	0.805	0.718	0.087
50	12	0.887	0.960	-0.073
50	13	0.856	0.807	0.049
50	21	1.045	1.045	0.000
50	22	1.032	1.032	0.000
100	23	0.988	0.988	0.000
100	24	1.062	1.062	0.000
100	17	0.935	0.859	0.076
100	18	0.767	0.717	0.050
100	19	0.755	0.876	-0.121
0	20	0.906	0.813	0.093
	Max	1.206	1.206	0.093
	Average	0.968	0.960	0.008
	Min	0.722	0.717	-0.121
	Std Dev	0.124	0.129	0.049



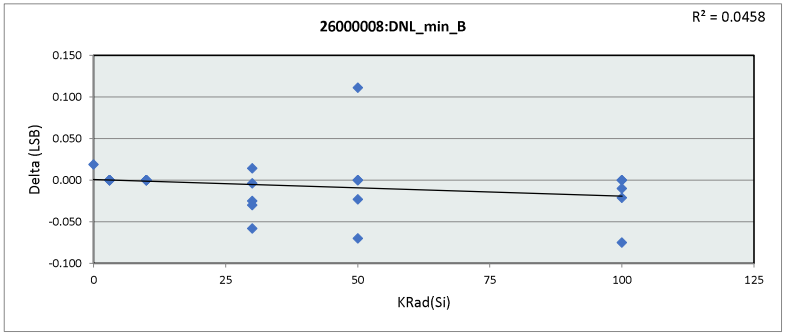
	26000006:DNL_max_B					
Test Site						
Tester						
Test Number						
Max Limit	4	LSB				
Min Limit	-2	LSB				
KRad(Si)	0	3	10	30	50	100
LL	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000
Min	0.813	0.988	0.839	0.768	0.718	0.717
Average	0.813	1.051	1.016	0.947	0.912	0.900
Max	0.813	1.195	1.206	1.094	1.045	1.062
UL	4.000	4.000	4.000	4.000	4.000	4.000



TID-HDR Report
ADC168M102R-SP

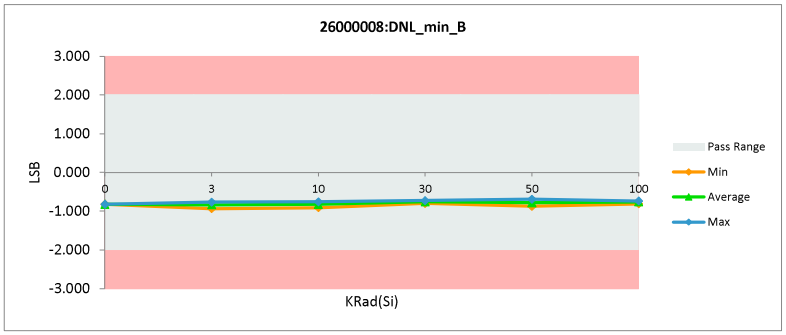
	26000008:DNL_min_B	
Test Site		
Tester		
Test Number		
Unit	LSB	LSB
Max Limit	2	2
Min Limit	-2	-2

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	-0.878	-0.878	0.000
3	2	-0.934	-0.934	0.000
3	3	-0.830	-0.830	0.000
3	4	-0.768	-0.768	0.000
3	5	-0.772	-0.772	0.000
10	6	-0.853	-0.853	0.000
10	7	-0.755	-0.755	0.000
10	8	-0.796	-0.796	0.000
10	9	-0.909	-0.909	0.000
10	10	-0.816	-0.816	0.000
30	33	-0.757	-0.753	-0.004
30	34	-0.821	-0.796	-0.025
30	35	-0.809	-0.751	-0.058
30	36	-0.738	-0.752	0.014
30	37	-0.758	-0.728	-0.030
50	11	-0.764	-0.875	0.111
50	12	-0.816	-0.746	-0.070
50	13	-0.717	-0.694	-0.023
50	21	-0.822	-0.822	0.000
50	22	-0.778	-0.778	0.000
100	23	-0.758	-0.758	0.000
100	24	-0.762	-0.762	0.000
100	17	-0.819	-0.809	-0.010
100	18	-0.811	-0.736	-0.075
100	19	-0.771	-0.750	-0.021
0	20	-0.801	-0.820	0.019
	Max	-0.717	-0.694	0.111
	Average	-0.801	-0.794	-0.007
	Min	-0.934	-0.934	-0.075
	Std Dev	0.051	0.059	0.034



	26000008:DNL_min_B	
Test Site		
Tester		
Test Number		
Max Limit	2	LSB
Min Limit	-2	LSB

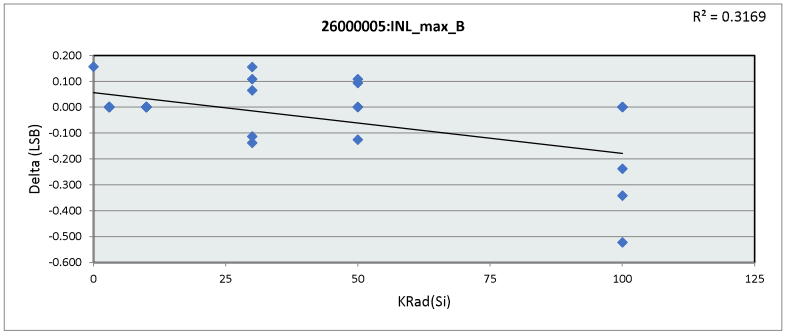
KRad(Si)	0	3	10	30	50	100
LL	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000
Min	-0.820	-0.934	-0.909	-0.796	-0.875	-0.809
Average	-0.820	-0.836	-0.826	-0.756	-0.783	-0.763
Max	-0.820	-0.768	-0.755	-0.728	-0.694	-0.736
UL	2.000	2.000	2.000	2.000	2.000	2.000



TID-HDR Report
ADC168M102R-SP

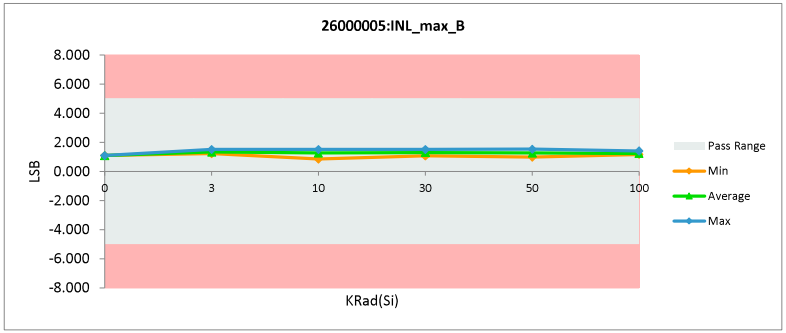
	26000005:INL_max_B	
Test Site		
Tester		
Test Number		
Unit	LSB	LSB
Max Limit	5	5
Min Limit	-5	-5

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	1.231	1.231	0.000
3	2	1.360	1.360	0.000
3	3	1.513	1.513	0.000
3	4	1.335	1.335	0.000
3	5	1.308	1.308	0.000
10	6	1.357	1.357	0.000
10	7	1.348	1.348	0.000
10	8	1.511	1.511	0.000
10	9	1.330	1.330	0.000
10	10	0.849	0.849	0.000
30	33	1.406	1.519	-0.113
30	34	1.207	1.345	-0.138
30	35	1.313	1.248	0.065
30	36	1.473	1.364	0.109
30	37	1.220	1.065	0.155
50	11	1.364	1.255	0.109
50	12	1.621	1.528	0.093
50	13	1.285	1.410	-0.125
50	21	1.201	1.201	0.000
50	22	0.984	0.984	0.000
100	23	1.410	1.410	0.000
100	24	1.168	1.168	0.000
100	17	0.828	1.170	-0.342
100	18	0.734	1.257	-0.523
100	19	0.948	1.186	-0.238
0	20	1.254	1.097	0.157
	Max	1.621	1.528	0.157
	Average	1.252	1.283	-0.030
	Min	0.734	0.849	-0.523
	Std Dev	0.221	0.166	0.149



	26000005:INL_max_B	
Test Site		
Tester		
Test Number		
Max Limit	5	LSB
Min Limit	-5	LSB

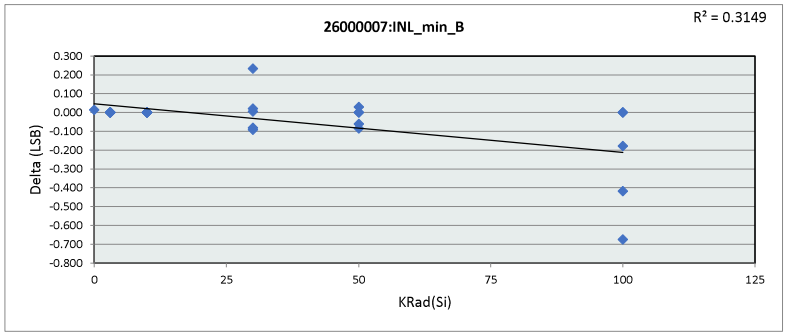
KRad(Si)	0	3	10	30	50	100
LL	-5.000	-5.000	-5.000	-5.000	-5.000	-5.000
Min	1.097	1.231	0.849	1.065	0.984	1.168
Average	1.097	1.349	1.279	1.308	1.276	1.238
Max	1.097	1.513	1.511	1.519	1.528	1.410
UL	5.000	5.000	5.000	5.000	5.000	5.000



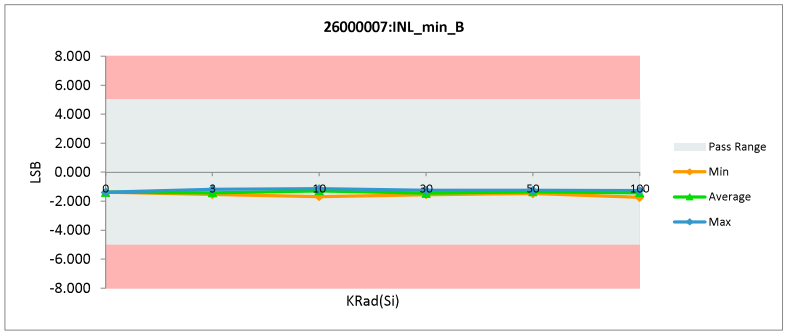
TID-HDR Report
ADC168M102R-SP

	26000007:INL_min_B	
Test Site		
Tester		
Test Number		
Unit	LSB	LSB
Max Limit	5	5
Min Limit	-5	-5

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	-1.487	-1.487	0.000
3	2	-1.535	-1.535	0.000
3	3	-1.454	-1.454	0.000
3	4	-1.179	-1.179	0.000
3	5	-1.393	-1.393	0.000
10	6	-1.157	-1.157	0.000
10	7	-1.313	-1.313	0.000
10	8	-1.683	-1.683	0.000
10	9	-1.143	-1.143	0.000
10	10	-1.136	-1.136	0.000
30	33	-1.517	-1.539	0.022
30	34	-1.555	-1.464	-0.091
30	35	-1.235	-1.469	0.234
30	36	-1.563	-1.482	-0.081
30	37	-1.255	-1.260	0.005
50	11	-1.322	-1.261	-0.061
50	12	-1.535	-1.451	-0.084
50	13	-1.432	-1.462	0.030
50	21	-1.288	-1.288	0.000
50	22	-1.254	-1.254	0.000
100	23	-1.740	-1.740	0.000
100	24	-1.267	-1.267	0.000
100	17	-2.094	-1.419	-0.675
100	18	-1.722	-1.305	-0.417
100	19	-1.518	-1.341	-0.177
0	20	-1.367	-1.380	0.013
	Max	-1.136	-1.136	0.234
	Average	-1.429	-1.379	-0.049
	Min	-2.094	-1.740	-0.675
	Std Dev	0.223	0.156	0.165



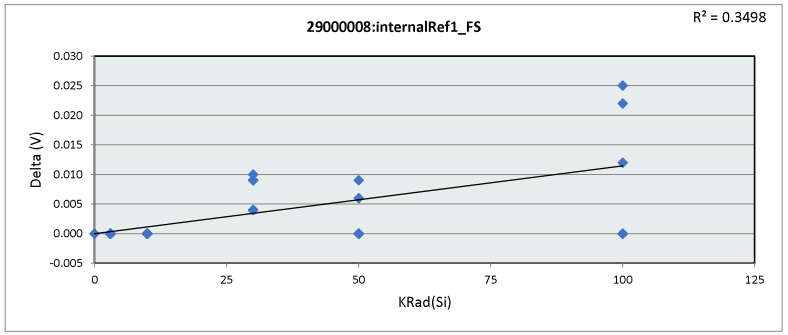
	26000007:INL_min_B					
Test Site						
Tester						
Test Number						
Max Limit	5	LSB				
Min Limit	-5	LSB				
KRad(Si)	0	3	10	30	50	100
LL	-5.000	-5.000	-5.000	-5.000	-5.000	-5.000
Min	-1.380	-1.535	-1.683	-1.539	-1.462	-1.740
Average	-1.380	-1.410	-1.286	-1.443	-1.343	-1.414
Max	-1.380	-1.179	-1.136	-1.260	-1.254	-1.267
UL	5.000	5.000	5.000	5.000	5.000	5.000



TID-HDR Report
ADC168M102R-SP

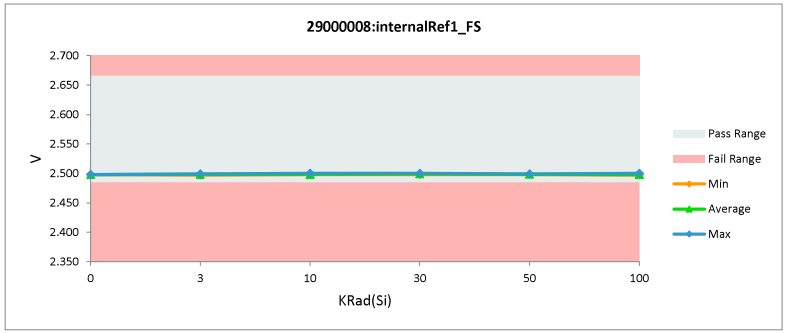
	29000008:internalRef1_FS	
Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	2.665	2.665
Min Limit	2.485	2.485

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	2.499	2.499	0.000
3	2	2.499	2.499	0.000
3	3	2.497	2.497	0.000
3	4	2.498	2.498	0.000
3	5	2.499	2.499	0.000
10	6	2.499	2.499	0.000
10	7	2.498	2.498	0.000
10	8	2.500	2.500	0.000
10	9	2.498	2.498	0.000
10	10	2.498	2.498	0.000
30	33	2.508	2.499	0.009
30	34	2.508	2.498	0.010
30	35	2.509	2.500	0.009
30	36	2.504	2.500	0.004
30	37	2.503	2.499	0.004
50	11	2.504	2.498	0.006
50	12	2.508	2.499	0.009
50	13	2.499	2.499	0.000
50	21	2.499	2.499	0.000
50	22	2.499	2.499	0.000
100	23	2.497	2.497	0.000
100	24	2.499	2.499	0.000
100	17	2.522	2.497	0.025
100	18	2.522	2.500	0.022
100	19	2.510	2.498	0.012
0	20	2.498	2.498	0.000
	Max	2.522	2.500	0.025
	Average	2.503	2.499	0.004
	Min	2.497	2.497	0.000
	Std Dev	0.007	0.001	0.007



	29000008:internalRef1_FS	
Test Site		
Tester		
Test Number		
Max Limit	2.665	V
Min Limit	2.485	V

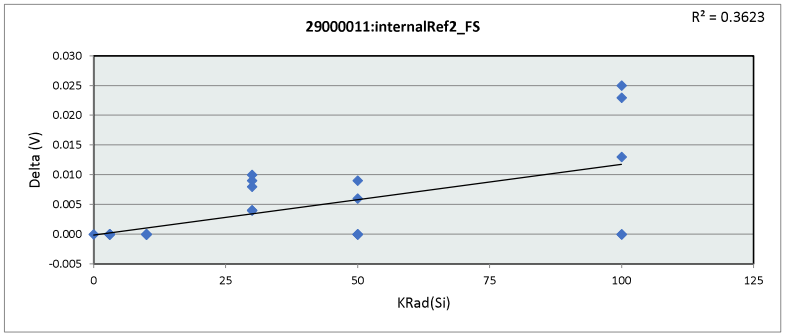
KRad(Si)	0	3	10	30	50	100
LL	2.485	2.485	2.485	2.485	2.485	2.485
Min	2.498	2.497	2.498	2.498	2.498	2.497
Average	2.498	2.498	2.499	2.499	2.499	2.498
Max	2.498	2.499	2.500	2.500	2.499	2.500
UL	2.665	2.665	2.665	2.665	2.665	2.665



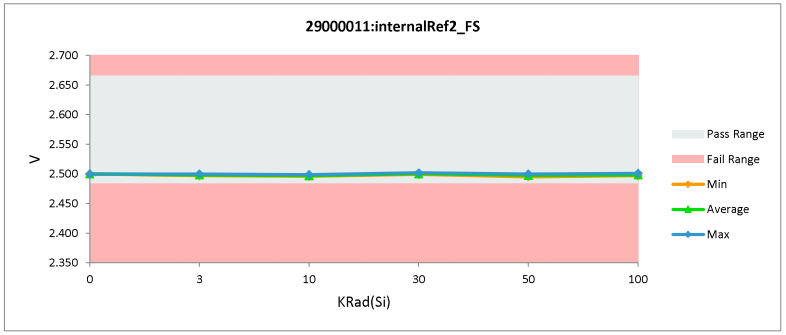
TID-HDR Report
ADC168M102R-SP

	29000011:internalRef2_FS	
Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	2.665	2.665
Min Limit	2.484	2.484

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	2.499	2.499	0.000
3	2	2.500	2.500	0.000
3	3	2.497	2.497	0.000
3	4	2.499	2.499	0.000
3	5	2.497	2.497	0.000
10	6	2.499	2.499	0.000
10	7	2.497	2.497	0.000
10	8	2.497	2.497	0.000
10	9	2.496	2.496	0.000
10	10	2.497	2.497	0.000
30	33	2.510	2.502	0.008
30	34	2.508	2.499	0.009
30	35	2.512	2.502	0.010
30	36	2.504	2.500	0.004
30	37	2.503	2.499	0.004
50	11	2.504	2.498	0.006
50	12	2.509	2.500	0.009
50	13	2.495	2.495	0.000
50	21	2.499	2.499	0.000
50	22	2.495	2.495	0.000
100	23	2.497	2.497	0.000
100	24	2.497	2.497	0.000
100	17	2.524	2.499	0.025
100	18	2.524	2.501	0.023
100	19	2.511	2.498	0.013
0	20	2.500	2.500	0.000
	Max	2.524	2.502	0.025
	Average	2.503	2.498	0.004
	Min	2.495	2.495	0.000
	Std Dev	0.008	0.002	0.007



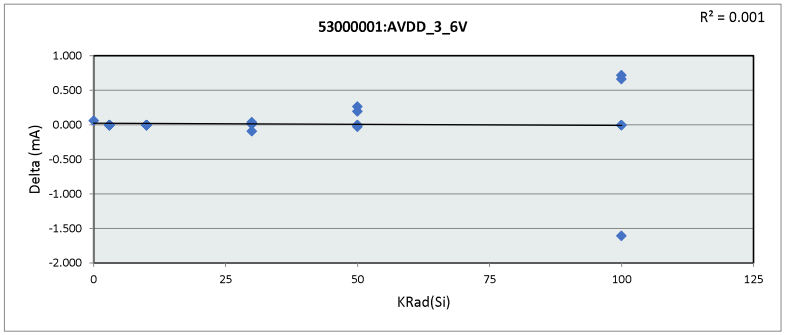
	29000011:internalRef2_FS					
Test Site						
Tester						
Test Number						
Max Limit	2.665	V				
Min Limit	2.484	V				
KRad(Si)	0	3	10	30	50	100
LL	2.484	2.484	2.484	2.484	2.484	2.484
Min	2.500	2.497	2.496	2.499	2.495	2.497
Average	2.500	2.498	2.497	2.500	2.497	2.498
Max	2.500	2.500	2.499	2.502	2.500	2.501
UL	2.665	2.665	2.665	2.665	2.665	2.665



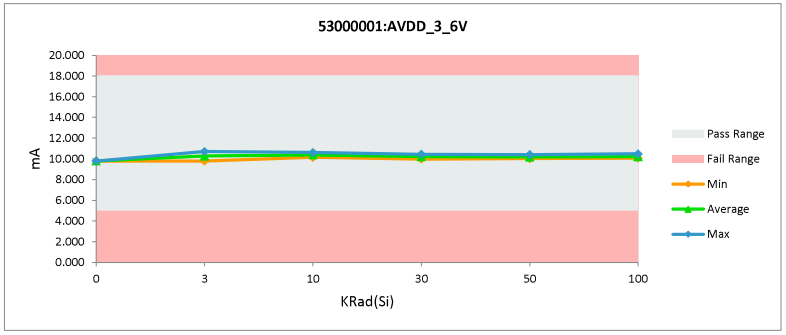
TID-HDR Report
ADC168M102R-SP

	53000001:AVDD_3_6V	
Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	18	18
Min Limit	5	5

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	9.803	9.803	0.000
3	2	10.713	10.713	0.000
3	3	10.301	10.301	0.000
3	4	10.613	10.613	0.000
3	5	9.989	9.989	0.000
10	6	10.403	10.403	0.000
10	7	10.145	10.145	0.000
10	8	10.166	10.166	0.000
10	9	10.609	10.609	0.000
10	10	10.613	10.613	0.000
30	33	10.398	10.379	0.019
30	34	10.362	10.453	-0.091
30	35	9.989	9.976	0.013
30	36	10.307	10.292	0.015
30	37	10.047	10.009	0.038
50	11	10.313	10.116	0.197
50	12	10.460	10.195	0.265
50	13	10.389	10.414	-0.025
50	21	10.014	10.014	0.000
50	22	10.173	10.173	0.000
100	23	10.155	10.155	0.000
100	24	10.249	10.249	0.000
100	17	10.863	10.142	0.721
100	18	10.732	10.068	0.664
100	19	8.867	10.474	-1.607
0	20	9.848	9.787	0.061
	Max	10.863	10.713	0.721
	Average	10.251	10.240	0.010
	Min	8.867	9.787	-1.607
	Std Dev	0.394	0.248	0.383



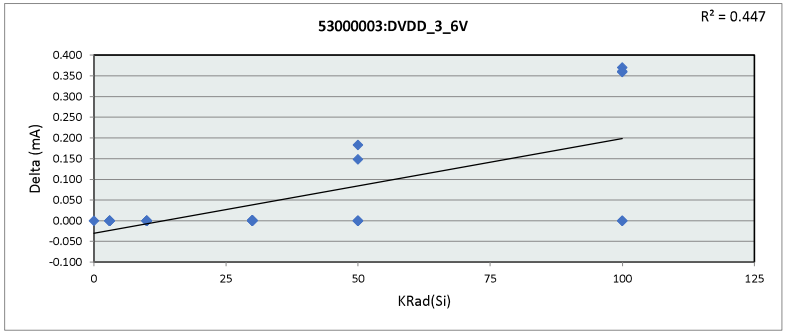
	53000001:AVDD_3_6V					
Test Site						
Tester						
Test Number						
Max Limit	18	mA				
Min Limit	5	mA				
KRad(Si)	0	3	10	30	50	100
LL	5.000	5.000	5.000	5.000	5.000	5.000
Min	9.787	9.803	10.145	9.976	10.014	10.068
Average	9.787	10.284	10.387	10.222	10.182	10.218
Max	9.787	10.713	10.613	10.453	10.414	10.474
UL	18.000	18.000	18.000	18.000	18.000	18.000



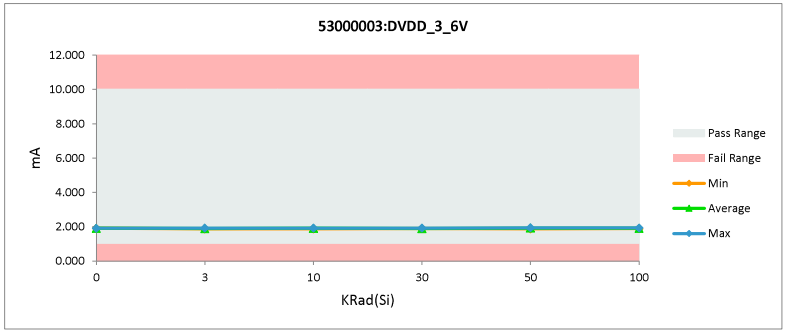
TID-HDR Report
ADC168M102R-SP

	53000003:DVDD_3_6V	
Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	10	10
Min Limit	1	1

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	1.922	1.922	0.000
3	2	1.921	1.921	0.000
3	3	1.878	1.878	0.000
3	4	1.902	1.902	0.000
3	5	1.906	1.906	0.000
10	6	1.928	1.928	0.000
10	7	1.924	1.924	0.000
10	8	1.882	1.882	0.000
10	9	1.888	1.888	0.000
10	10	1.916	1.916	0.000
30	33	1.912	1.912	0.000
30	34	1.884	1.884	0.000
30	35	1.924	1.924	0.000
30	36	1.894	1.893	0.001
30	37	1.901	1.900	0.001
50	11	2.101	1.918	0.183
50	12	2.092	1.944	0.148
50	13	1.940	1.940	0.000
50	21	1.881	1.881	0.000
50	22	1.906	1.906	0.000
100	23	1.907	1.907	0.000
100	24	1.885	1.885	0.000
100	17	2.298	1.928	0.370
100	18	2.280	1.921	0.359
100	19	2.294	1.933	0.361
0	20	1.910	1.910	0.000
	Max	2.298	1.944	0.370
	Average	1.964	1.910	0.055
	Min	1.878	1.878	0.000
	Std Dev	0.132	0.019	0.122



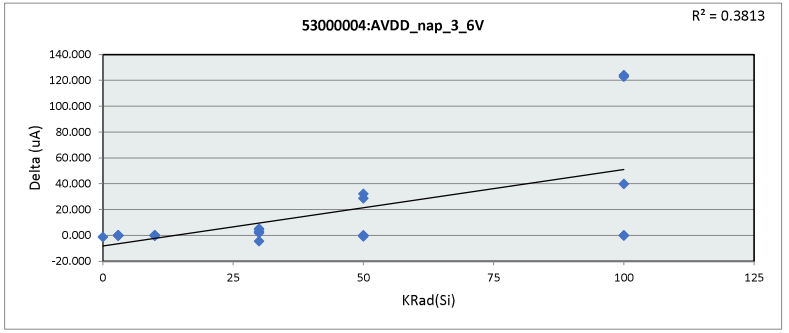
	53000003:DVDD_3_6V					
Test Site						
Tester						
Test Number						
Max Limit	10	mA				
Min Limit	1	mA				
KRad(Si)	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	1.910	1.878	1.882	1.884	1.881	1.885
Average	1.910	1.906	1.908	1.903	1.918	1.915
Max	1.910	1.922	1.928	1.924	1.944	1.933
UL	10.000	10.000	10.000	10.000	10.000	10.000



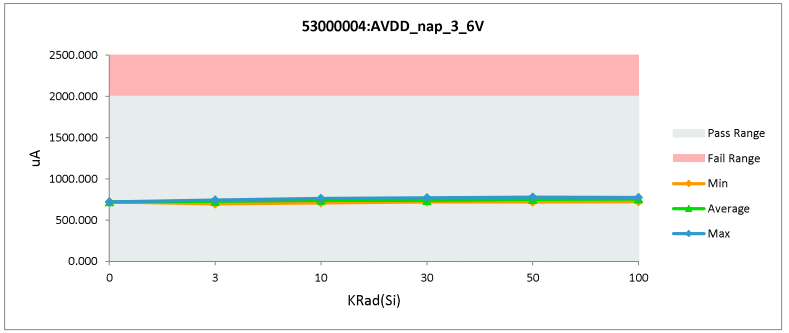
TID-HDR Report
ADC168M102R-SP

	53000004:AVDD_nap_3_6V	
Test Site		
Tester		
Test Number		
Unit	uA	uA
Max Limit	2000	2000
Min Limit	0	0

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	695.997	695.997	0.000
3	2	745.836	745.836	0.000
3	3	725.506	725.506	0.000
3	4	740.729	740.729	0.000
3	5	731.519	731.519	0.000
10	6	763.759	763.759	0.000
10	7	733.921	733.921	0.000
10	8	711.355	711.355	0.000
10	9	752.250	752.250	0.000
10	10	739.305	739.305	0.000
30	33	750.157	745.093	5.064
30	34	767.270	771.721	-4.451
30	35	733.302	730.255	3.047
30	36	729.356	727.429	1.927
30	37	723.801	719.099	4.702
50	11	794.454	765.790	28.664
50	12	776.004	743.829	32.175
50	13	779.417	780.139	-0.722
50	21	719.346	719.346	0.000
50	22	741.630	741.630	0.000
100	23	725.719	725.719	0.000
100	24	752.734	752.734	0.000
100	17	890.273	767.406	122.867
100	18	886.877	762.866	124.011
100	19	816.584	776.822	39.762
0	20	721.642	722.859	-1.217
	Max	890.273	780.139	124.011
	Average	755.721	742.035	13.686
	Min	695.997	695.997	-4.451
	Std Dev	47.174	21.401	34.132



	53000004:AVDD_nap_3_6V					
Test Site						
Tester						
Test Number						
Max Limit	2000	uA				
Min Limit	0	uA				
KRad(Si)	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	722.859	695.997	711.355	719.099	719.346	725.719
Average	722.859	727.917	740.118	738.719	750.147	757.109
Max	722.859	745.836	763.759	771.721	780.139	776.822
UL	2000.000	2000.000	2000.000	2000.000	2000.000	2000.000



B LDR Biased Report

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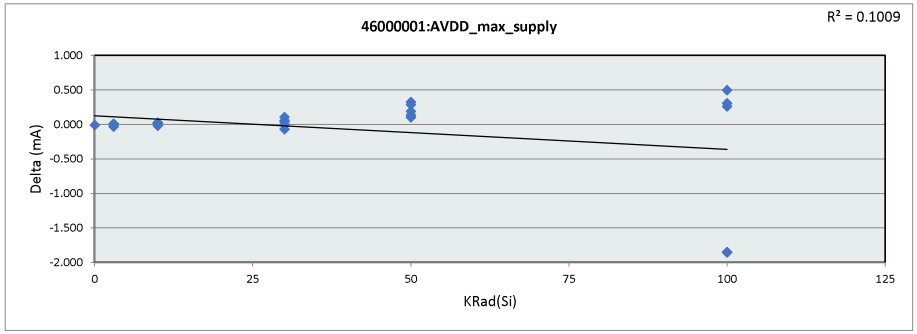
TID-LDR Biased Report
ADC168M102R-SP

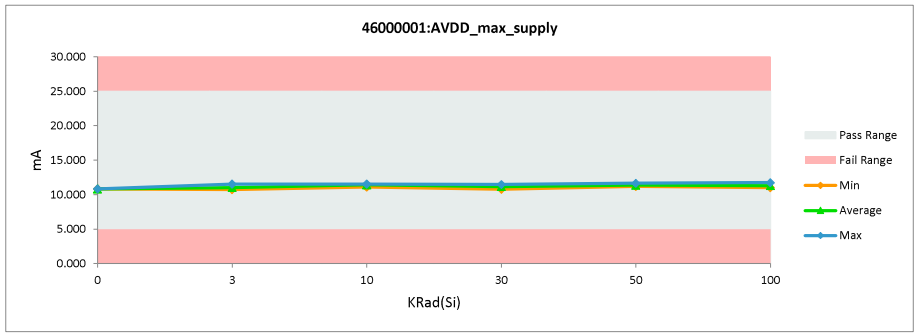
TID-LDR Biased Report
ADC168M102R-SP

	46000001:AVDD_max_supply	
Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	25	25
Min Limit	5	5

KRad(Si)	Serial #	postrad	prerad	Delta
3	26	10.736	10.737	-0.001
3	27	10.999	10.997	0.002
3	28	11.506	11.537	-0.031
3	29	10.908	10.898	0.010
3	30	11.022	11.019	0.003
10	31	11.395	11.415	-0.020
10	32	11.117	11.093	0.024
10	33	11.548	11.525	0.023
10	34	11.529	11.517	0.012
10	35	11.541	11.523	0.018
30	36	11.036	10.931	0.105
30	37	11.332	11.338	-0.006
30	38	11.380	11.346	0.034
30	39	10.834	10.779	0.055
30	40	11.399	11.467	-0.068
50	41	11.917	11.593	0.324
50	42	11.435	11.247	0.188
50	43	11.305	11.202	0.103
50	44	11.318	11.185	0.133
50	45	11.935	11.650	0.285
100	46	11.274	11.017	0.257
100	47	9.140	10.996	-1.856
100	48	11.845	11.536	0.309
100	49	12.235	11.741	0.494
100	50	9.438	11.289	-1.851
0	51	10.820	10.830	-0.010
	Max	12.235	11.741	0.494
	Average	11.190	11.246	-0.056
	Min	9.140	10.737	-1.856
	Std Dev	0.670	0.293	0.547



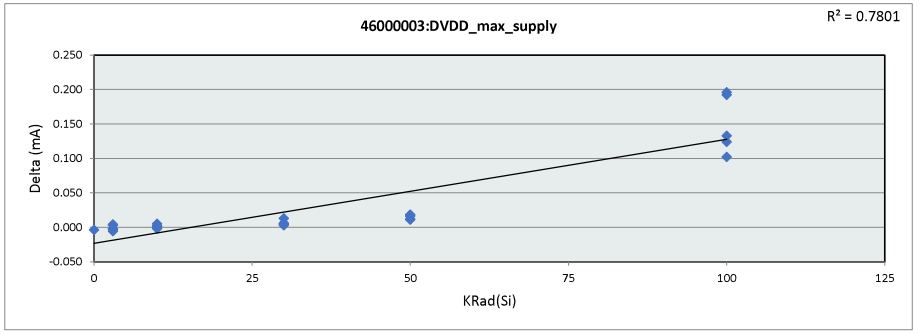
	46000001:AVDD_max_supply					
Test Site						
Tester						
Test Number						
Max Limit	25	mA				
Min Limit	5	mA				
KRad(Si)	0	3	10	30	50	100
LL	5.000	5.000	5.000	5.000	5.000	5.000
Min	10.830	10.737	11.093	10.779	11.185	10.996
Average	10.830	11.038	11.415	11.172	11.375	11.316
Max	10.830	11.537	11.525	11.467	11.650	11.741
UL	25.000	25.000	25.000	25.000	25.000	25.000



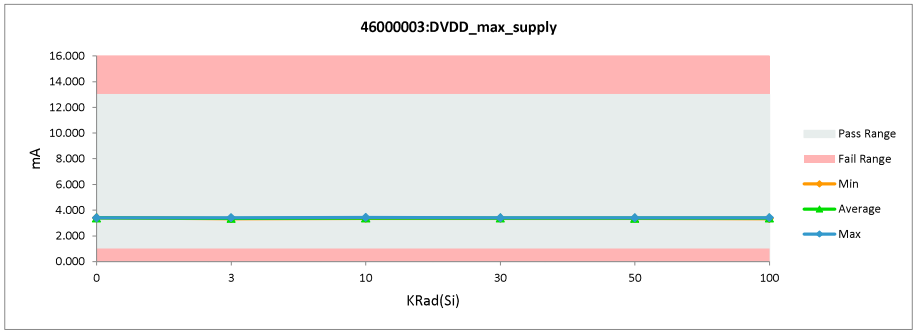
TID-LDR Biased Report
ADC168M102R-SP

	46000003:DVDD_max_supply	
Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	13	13
Min Limit	1	1

KRad(Si)	Serial #	postrad	prerad	Delta
3	26	3.411	3.414	-0.003
3	27	3.358	3.355	0.003
3	28	3.343	3.345	-0.002
3	29	3.361	3.367	-0.006
3	30	3.361	3.357	0.004
10	31	3.359	3.359	0.000
10	32	3.390	3.385	0.005
10	33	3.433	3.431	0.002
10	34	3.371	3.370	0.001
10	35	3.386	3.388	-0.002
30	36	3.391	3.385	0.006
30	37	3.374	3.361	0.013
30	38	3.352	3.349	0.003
30	39	3.407	3.402	0.005
30	40	3.393	3.390	0.003
50	41	3.385	3.374	0.011
50	42	3.377	3.359	0.018
50	43	3.368	3.356	0.012
50	44	3.390	3.372	0.018
50	45	3.409	3.393	0.016
100	46	3.465	3.341	0.124
100	47	3.445	3.343	0.102
100	48	3.503	3.370	0.133
100	49	3.607	3.415	0.192
100	50	3.614	3.418	0.196
0	51	3.390	3.394	-0.004
	Max	3.614	3.431	0.196
	Average	3.409	3.377	0.033
	Min	3.343	3.341	-0.006
	Std Dev	0.069	0.025	0.061



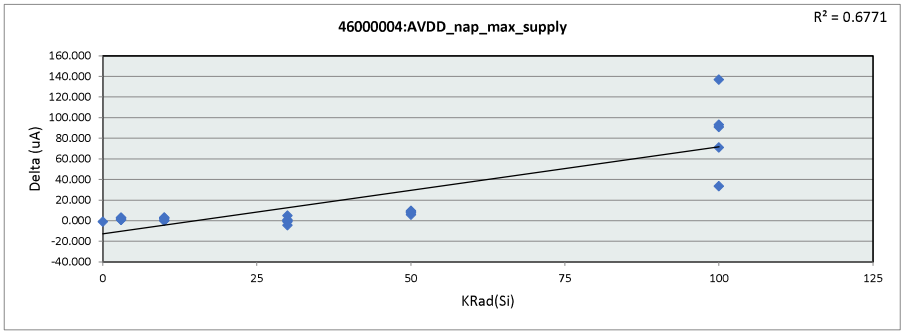
	46000003:DVDD_max_supply					
Test Site						
Tester						
Test Number						
Max Limit	13	mA				
Min Limit	1	mA				
KRad(Si)	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	3.394	3.345	3.359	3.349	3.356	3.341
Average	3.394	3.368	3.387	3.377	3.371	3.377
Max	3.394	3.414	3.431	3.402	3.393	3.418
UL	13.000	13.000	13.000	13.000	13.000	13.000



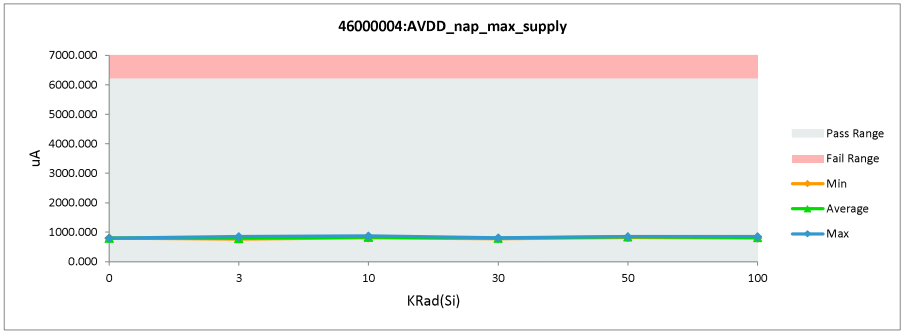
TID-LDR Biased Report
ADC168M102R-SP

	46000004:AVDD_nap_max_supp	
Test Site		
Tester		
Test Number		
Unit	uA	uA
Max Limit	6200	6200
Min Limit	0	0

KRad(Si)	Serial #	postrad	prerad	Delta
3	26	777.635	776.643	0.992
3	27	793.018	790.370	2.648
3	28	854.595	853.880	0.715
3	29	774.445	771.669	2.776
3	30	789.818	787.112	2.706
10	31	822.205	819.449	2.756
10	32	818.758	815.840	2.918
10	33	828.847	828.465	0.382
10	34	871.503	871.631	-0.128
10	35	838.898	837.095	1.803
30	36	800.045	799.357	0.688
30	37	807.109	811.579	-4.470
30	38	807.227	807.487	-0.260
30	39	779.137	774.371	4.766
30	40	811.498	812.726	-1.228
50	41	849.080	841.266	7.814
50	42	853.821	844.325	9.496
50	43	844.024	838.151	5.873
50	44	831.642	822.938	8.704
50	45	863.776	855.375	8.401
100	46	888.481	797.606	90.875
100	47	838.272	804.984	33.288
100	48	901.008	807.790	93.218
100	49	968.607	831.604	137.003
100	50	926.108	854.880	71.228
0	51	801.811	802.931	-1.120
	Max	968.607	871.631	137.003
	Average	836.206	817.674	18.532
	Min	774.445	771.669	-4.470
	Std Dev	47.040	26.959	36.546



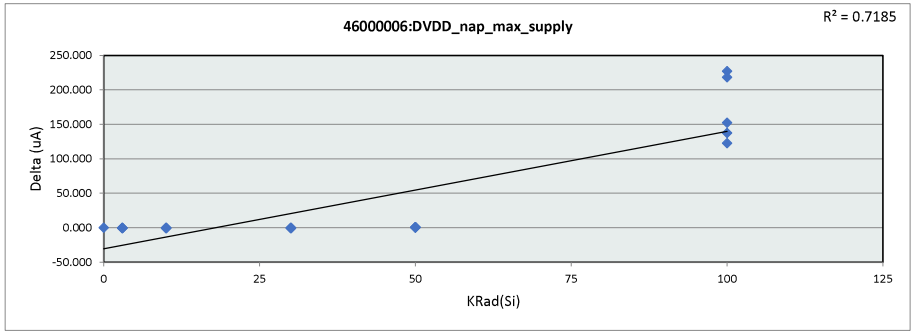
	46000004:AVDD_nap_max_su					
Test Site						
Tester						
Test Number						
Max Limit	6200	uA				
Min Limit	0	uA				
KRad(Si)	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	802.931	771.669	815.840	774.371	822.938	797.606
Average	802.931	795.935	834.496	801.104	840.411	819.373
Max	802.931	853.880	871.631	812.726	855.375	854.880
UL	6200.000	6200.000	6200.000	6200.000	6200.000	6200.000



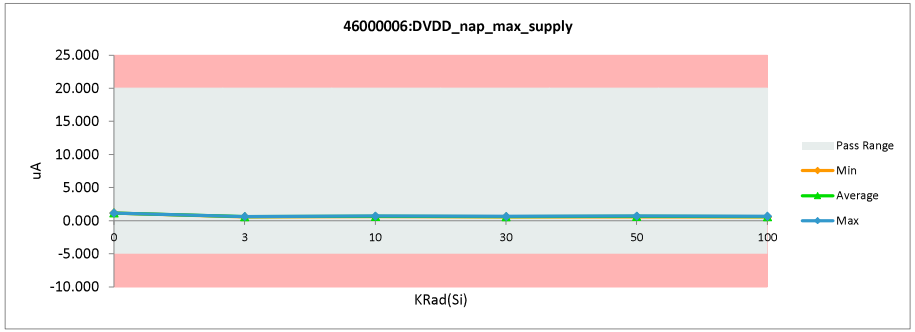
TID-LDR Biased Report
ADC168M102R-SP

	46000006:DVDD_nap_max_supp	
Test Site		
Tester		
Test Number		
Unit	uA	uA
Max Limit	20	20
Min Limit	-5	-5

KRad(Si)	Serial #	postrad	prerad	Delta
3	26	0.250	0.590	-0.340
3	27	0.198	0.600	-0.402
3	28	0.221	0.637	-0.416
3	29	0.193	0.627	-0.434
3	30	0.175	0.593	-0.418
10	31	0.160	0.706	-0.546
10	32	0.178	0.632	-0.454
10	33	0.193	0.663	-0.470
10	34	0.198	0.647	-0.449
10	35	0.190	0.644	-0.454
30	36	0.185	0.654	-0.469
30	37	0.214	0.627	-0.413
30	38	0.198	0.600	-0.402
30	39	0.240	0.616	-0.376
30	40	0.177	0.632	-0.455
50	41	0.773	0.595	0.178
50	42	1.028	0.672	0.356
50	43	1.115	0.606	0.509
50	44	0.926	0.703	0.223
50	45	0.770	0.619	0.151
100	46	137.829	0.588	137.241
100	47	122.994	0.627	122.367
100	48	152.772	0.636	152.136
100	49	218.751	0.572	218.179
100	50	227.686	0.683	227.003
0	51	1.076	1.163	-0.087
	Max	227.686	1.163	227.003
	Average	33.411	0.651	32.760
	Min	0.160	0.572	-0.546
	Std Dev	71.593	0.110	71.606



	46000006:DVDD_nap_max_su					
Test Site						
Tester						
Test Number						
Max Limit	20	uA				
Min Limit	-5	uA				
KRad(Si)	0	3	10	30	50	100
LL	-5.000	-5.000	-5.000	-5.000	-5.000	-5.000
Min	1.163	0.590	0.632	0.600	0.595	0.572
Average	1.163	0.609	0.658	0.626	0.639	0.621
Max	1.163	0.637	0.706	0.654	0.703	0.683
UL	20.000	20.000	20.000	20.000	20.000	20.000



TID-LDR Biased Report
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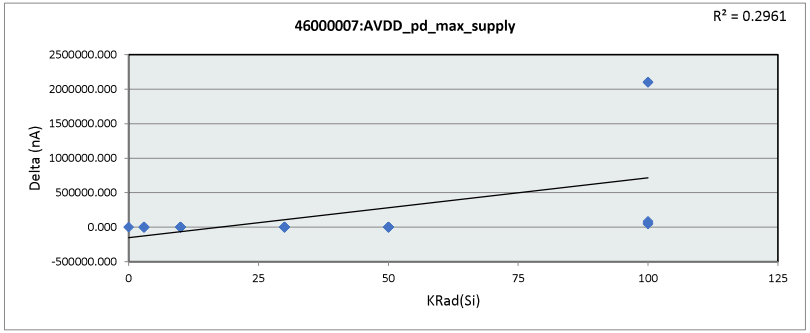
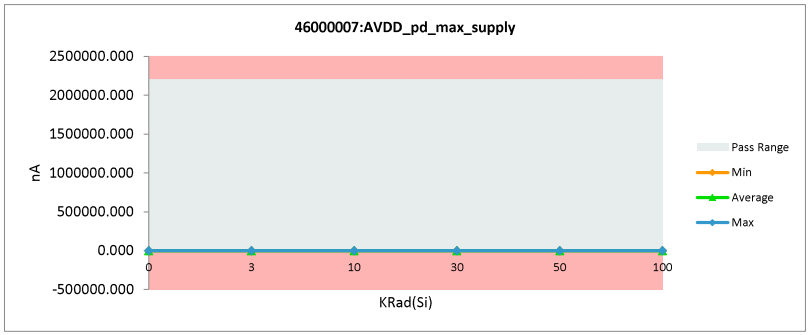
	46000007:AVDD_pd_max_supply	
Test Site		
Tester		
Test Number		
Unit	nA	nA
Max Limit	2200000	2200000
Min Limit	-5000	-5000

KRad(Si)	Serial #	postrad	prerad	Delta
3	26	438.392	211.574	226.818
3	27	434.777	196.953	237.824
3	28	455.976	203.196	252.780
3	29	449.896	211.410	238.486
3	30	443.980	208.453	235.527
10	31	441.515	207.960	233.555
10	32	444.144	202.539	241.605
10	33	438.392	201.553	236.839
10	34	446.280	209.931	236.349
10	35	440.200	200.075	240.125
30	36	449.403	205.003	244.400
30	37	458.112	213.053	245.059
30	38	456.140	211.410	244.730
30	39	440.036	200.567	239.469
30	40	437.078	197.117	239.961
50	41	700.610	212.067	488.543
50	42	703.463	175.925	527.538
50	43	855.549	203.689	651.860
50	44	682.312	218.638	463.674
50	45	722.768	208.946	513.822
100	46	55212.414	197.610	55014.804
100	47	2100000.000	208.946	2099791.054
100	48	48602.332	205.824	48396.508
100	49	81668.352	198.925	81469.427
100	50	2100000.000	202.539	2099797.461
0	51	513.413	504.378	9.035
	Max	2100000.000	504.378	2099797.461
	Average	169089.828	216.088	168873.740
	Min	434.777	175.925	9.035
	Std Dev	568813.173	59.353	568816.434



	46000007:AVDD_pd_max_supply	
Test Site		
Tester		
Test Number		
Max Limit	2200000	nA
Min Limit	-5000	nA

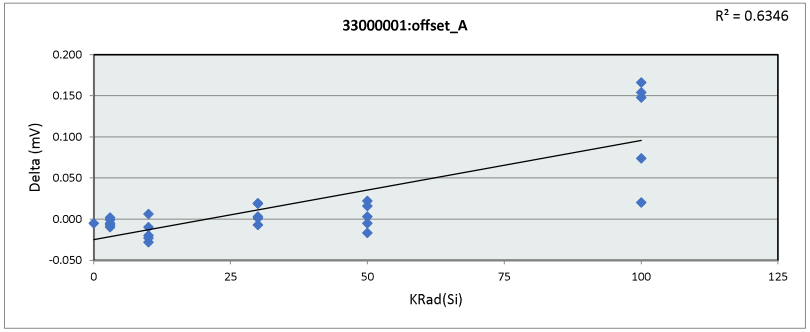
KRad(Si)	0	3	10	30	50	100
LL	-5000.000	-5000.000	-5000.000	-5000.000	-5000.000	-5000.000
Min	504.378	196.953	200.075	197.117	175.925	197.610
Average	504.378	206.317	204.412	205.430	203.853	202.769
Max	504.378	211.574	209.931	213.053	218.638	208.946
UL	2200000.000	2200000.000	2200000.000	2200000.000	2200000.000	2200000.000



TID-LDR Biased Report
ADC168M102R-SP

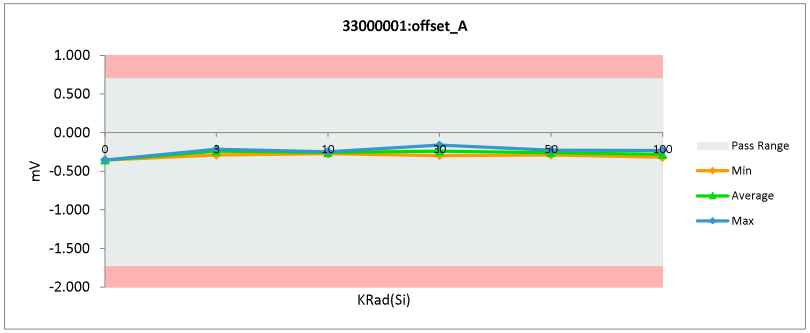
	33000001:offset_A	
Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	0.695	0.695
Min Limit	-1.726	-1.726

KRad(Si)	Serial #	postrad	prerad	Delta
3	26	-0.299	-0.292	-0.007
3	27	-0.233	-0.223	-0.010
3	28	-0.213	-0.215	0.002
3	29	-0.245	-0.240	-0.005
3	30	-0.224	-0.223	-0.001
10	31	-0.246	-0.252	0.006
10	32	-0.298	-0.275	-0.023
10	33	-0.257	-0.247	-0.010
10	34	-0.278	-0.250	-0.028
10	35	-0.283	-0.263	-0.020
30	36	-0.160	-0.163	0.003
30	37	-0.224	-0.225	0.001
30	38	-0.246	-0.265	0.019
30	39	-0.247	-0.266	0.019
30	40	-0.305	-0.298	-0.007
50	41	-0.265	-0.268	0.003
50	42	-0.277	-0.260	-0.017
50	43	-0.298	-0.293	-0.005
50	44	-0.237	-0.253	0.016
50	45	-0.208	-0.230	0.022
100	46	-0.136	-0.302	0.166
100	47	-0.171	-0.319	0.148
100	48	-0.198	-0.272	0.074
100	49	-0.136	-0.290	0.154
100	50	-0.212	-0.232	0.020
0	51	-0.360	-0.355	-0.005
	Max	-0.136	-0.163	0.166
	Average	-0.241	-0.260	0.020
	Min	-0.360	-0.355	-0.028
	Std Dev	0.054	0.039	0.054



	33000001:offset_A	
Test Site		
Tester		
Test Number		
Max Limit	0.695	mV
Min Limit	-1.726	mV

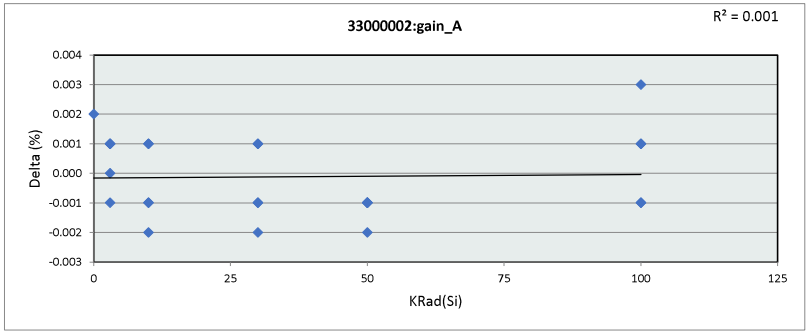
KRad(Si)	0	3	10	30	50	100
LL	-1.726	-1.726	-1.726	-1.726	-1.726	-1.726
Min	-0.355	-0.292	-0.275	-0.298	-0.293	-0.319
Average	-0.355	-0.239	-0.257	-0.243	-0.261	-0.283
Max	-0.355	-0.215	-0.247	-0.163	-0.230	-0.232
UL	0.695	0.695	0.695	0.695	0.695	0.695



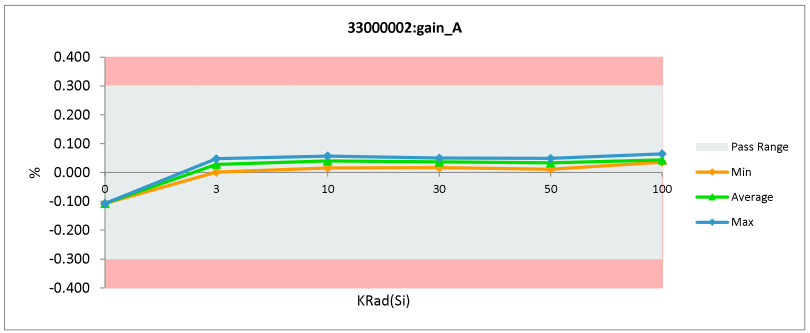
TID-LDR Biased Report
ADC168M102R-SP

	33000002:gain_A	
Test Site		
Tester		
Test Number		
Unit	%	%
Max Limit	0.3	0.3
Min Limit	-0.3	-0.3

KRad(Si)	Serial #	postrad	prerad	Delta
3	26	0.047	0.046	0.001
3	27	0.003	0.002	0.001
3	28	0.019	0.020	-0.001
3	29	0.025	0.025	0.000
3	30	0.049	0.048	0.001
10	31	0.035	0.034	0.001
10	32	0.043	0.044	-0.001
10	33	0.055	0.057	-0.002
10	34	0.047	0.046	0.001
10	35	0.015	0.016	-0.001
30	36	0.034	0.035	-0.001
30	37	0.048	0.050	-0.002
30	38	0.016	0.017	-0.001
30	39	0.031	0.030	0.001
30	40	0.050	0.049	0.001
50	41	0.026	0.027	-0.001
50	42	0.033	0.034	-0.001
50	43	0.041	0.043	-0.002
50	44	0.048	0.049	-0.001
50	45	0.011	0.012	-0.001
100	46	0.038	0.037	0.001
100	47	0.066	0.065	0.001
100	48	0.035	0.036	-0.001
100	49	0.048	0.045	0.003
100	50	0.035	0.036	-0.001
0	51	-0.105	-0.107	0.002
	Max	0.066	0.065	0.003
	Average	0.031	0.031	0.000
	Min	-0.105	-0.107	-0.002
	Std Dev	0.031	0.032	0.001

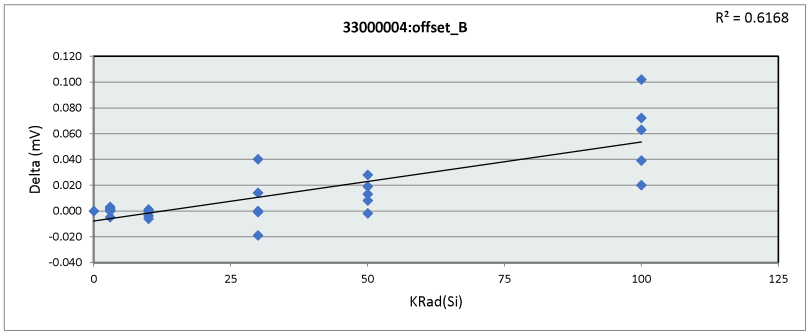


	33000002:gain_A					
Test Site						
Tester						
Test Number						
Max Limit	0.3	%				
Min Limit	-0.3	%				
KRad(Si)	0	3	10	30	50	100
LL	-0.300	-0.300	-0.300	-0.300	-0.300	-0.300
Min	-0.107	0.002	0.016	0.017	0.012	0.036
Average	-0.107	0.028	0.039	0.036	0.033	0.044
Max	-0.107	0.048	0.057	0.050	0.049	0.065
UL	0.300	0.300	0.300	0.300	0.300	0.300

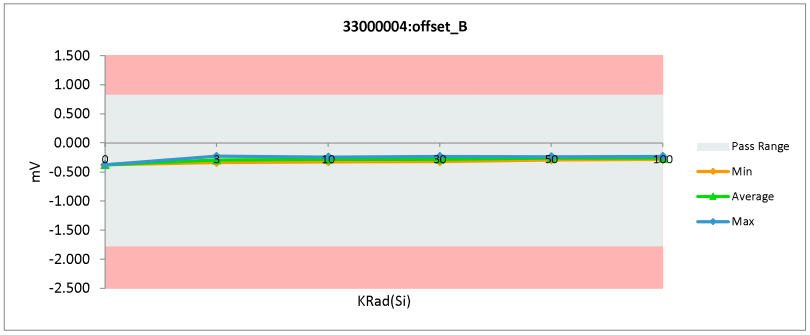


TID-LDR Biased Report
ADC168M102R-SP

		33000004:offset_B	
	Test Site		
	Tester		
	Test Number		
	Unit	mV	mV
	Max Limit	0.818	0.818
	Min Limit	-1.779	-1.779
KRad(Si)	Serial #	postrad	prerad	Delta
3	26	-0.299	-0.299	0.000
3	27	-0.334	-0.336	0.002
3	28	-0.319	-0.314	-0.005
3	29	-0.229	-0.230	0.001
3	30	-0.279	-0.282	0.003
10	31	-0.303	-0.297	-0.006
10	32	-0.246	-0.245	-0.001
10	33	-0.292	-0.292	0.000
10	34	-0.268	-0.264	-0.004
10	35	-0.324	-0.325	0.001
30	36	-0.314	-0.313	-0.001
30	37	-0.221	-0.235	0.014
30	38	-0.259	-0.299	0.040
30	39	-0.248	-0.248	0.000
30	40	-0.342	-0.323	-0.019
50	41	-0.237	-0.245	0.008
50	42	-0.220	-0.239	0.019
50	43	-0.245	-0.258	0.013
50	44	-0.295	-0.293	-0.002
50	45	-0.230	-0.258	0.028
100	46	-0.214	-0.277	0.063
100	47	-0.149	-0.251	0.102
100	48	-0.261	-0.281	0.020
100	49	-0.163	-0.235	0.072
100	50	-0.232	-0.271	0.039
0	51	-0.377	-0.377	0.000
	Max	-0.149	-0.230	0.102
	Average	-0.265	-0.280	0.015
	Min	-0.377	-0.377	-0.019
	Std Dev	0.054	0.037	0.028



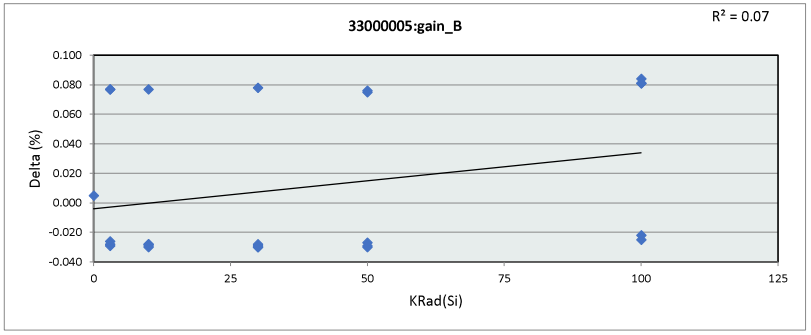
	33000004:offset_B					
Test Site						
Tester						
Test Number						
Max Limit	0.818	mV				
Min Limit	-1.779	mV				
KRad(Si)	0	3	10	30	50	100
LL	-1.779	-1.779	-1.779	-1.779	-1.779	-1.779
Min	-0.377	-0.336	-0.325	-0.323	-0.293	-0.281
Average	-0.377	-0.292	-0.285	-0.284	-0.259	-0.263
Max	-0.377	-0.230	-0.245	-0.235	-0.239	-0.235
UL	0.818	0.818	0.818	0.818	0.818	0.818



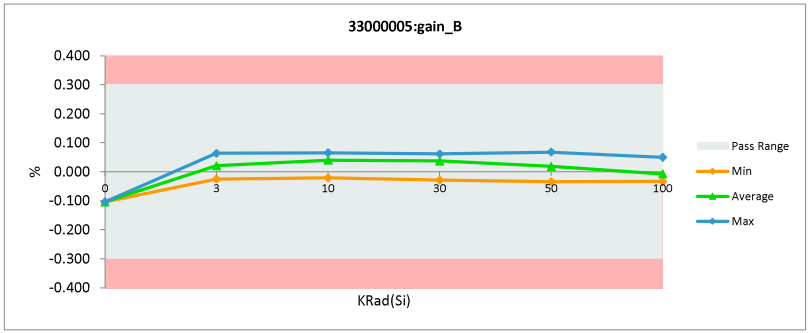
TID-LDR Biased Report
ADC168M102R-SP

	33000005:gain_B	
Test Site		
Tester		
Test Number		
Unit	%	%
Max Limit	0.3	0.3
Min Limit	-0.3	-0.3

KRad(Si)	Serial #	postrad	prerad	Delta
3	26	0.032	0.060	-0.028
3	27	-0.011	0.015	-0.026
3	28	0.052	-0.025	0.077
3	29	0.035	0.064	-0.029
3	30	0.067	-0.010	0.077
10	31	0.034	0.063	-0.029
10	32	0.056	-0.021	0.077
10	33	0.038	0.066	-0.028
10	34	0.013	0.041	-0.028
10	35	0.023	0.053	-0.030
30	36	0.028	0.056	-0.028
30	37	0.019	0.049	-0.030
30	38	0.049	-0.029	0.078
30	39	0.018	0.048	-0.030
30	40	0.033	0.062	-0.029
50	41	0.038	0.068	-0.030
50	42	0.019	0.046	-0.027
50	43	0.045	-0.030	0.075
50	44	0.042	-0.034	0.076
50	45	0.016	0.045	-0.029
100	46	-0.030	-0.008	-0.022
100	47	0.067	-0.014	0.081
100	48	0.051	-0.030	0.081
100	49	0.051	-0.033	0.084
100	50	0.025	0.050	-0.025
0	51	-0.099	-0.104	0.005
	Max	0.067	0.068	0.084
	Average	0.027	0.017	0.010
	Min	-0.099	-0.104	-0.030
	Std Dev	0.034	0.046	0.051



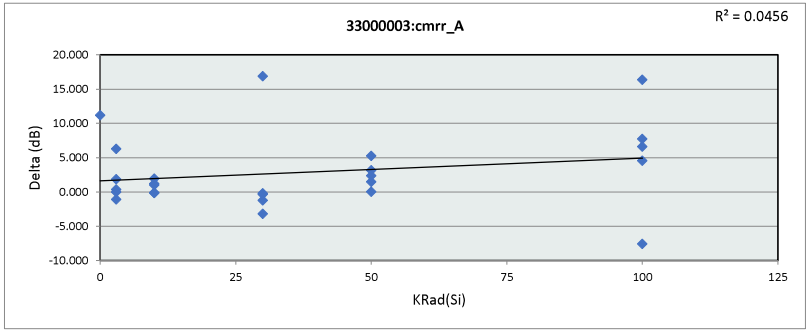
	33000005:gain_B					
Test Site						
Tester						
Test Number						
Max Limit	0.3	%				
Min Limit	-0.3	%				
KRad(Si)	0	3	10	30	50	100
LL	-0.300	-0.300	-0.300	-0.300	-0.300	-0.300
Min	-0.104	-0.025	-0.021	-0.029	-0.034	-0.033
Average	-0.104	0.021	0.040	0.037	0.019	-0.007
Max	-0.104	0.064	0.066	0.062	0.068	0.050
UL	0.300	0.300	0.300	0.300	0.300	0.300



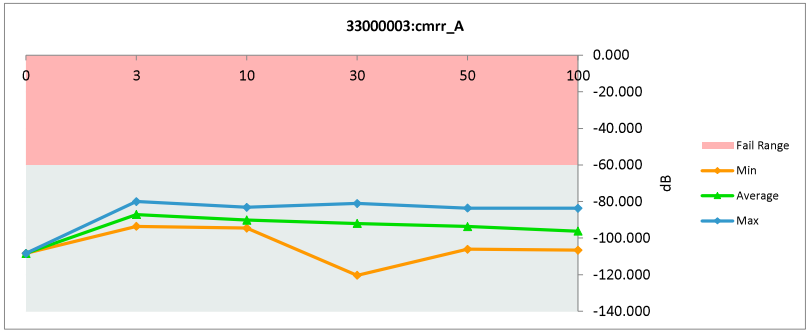
TID-LDR Biased Report
ADC168M102R-SP

	33000003:cmrr_A	
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-60	-60
Min Limit		

KRad(Si)	Serial #	postrad	prerad	Delta
3	26	-87.279	-93.563	6.284
3	27	-89.081	-90.931	1.850
3	28	-86.817	-86.815	-0.002
3	29	-81.095	-80.031	-1.064
3	30	-83.581	-83.942	0.361
10	31	-94.605	-94.445	-0.160
10	32	-82.193	-83.190	0.997
10	33	-86.626	-87.837	1.211
10	34	-91.142	-91.034	-0.108
10	35	-91.946	-93.891	1.945
30	36	-82.307	-81.094	-1.213
30	37	-83.024	-82.858	-0.166
30	38	-95.091	-91.913	-3.178
30	39	-83.760	-83.448	-0.312
30	40	-103.467	-120.343	16.876
50	41	-93.667	-93.704	0.037
50	42	-87.126	-92.388	5.262
50	43	-80.446	-83.624	3.178
50	44	-104.532	-105.999	1.467
50	45	-90.024	-92.388	2.364
100	46	-81.301	-87.910	6.609
100	47	-91.296	-83.728	-7.568
100	48	-95.593	-103.345	7.752
100	49	-94.439	-99.022	4.583
100	50	-90.236	-106.605	16.369
0	51	-97.188	-108.367	11.179
	Max	-80.446	-80.031	16.876
	Average	-89.533	-92.401	2.867
	Min	-104.532	-120.343	-7.568
	Std Dev	6.603	9.864	5.491



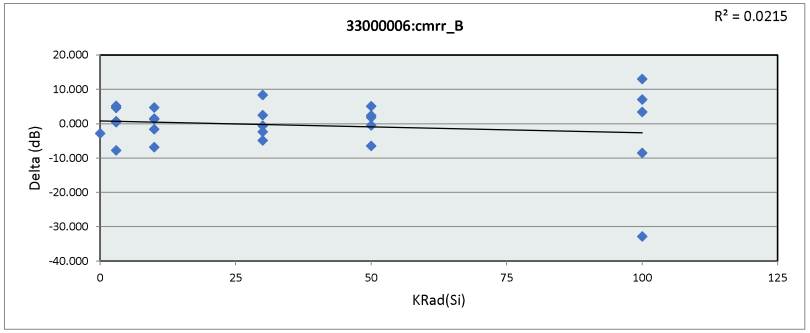
	33000003:cmrr_A					
Test Site						
Tester						
Test Number						
Max Limit	-60	dB				
Min Limit		dB				
KRad(Si)	0	3	10	30	50	100
LL						
Min	-108.367	-93.563	-94.445	-120.343	-105.999	-106.605
Average	-108.367	-87.056	-90.079	-91.931	-93.621	-96.122
Max	-108.367	-80.031	-83.190	-81.094	-83.624	-83.728
UL	-60.000	-60.000	-60.000	-60.000	-60.000	-60.000



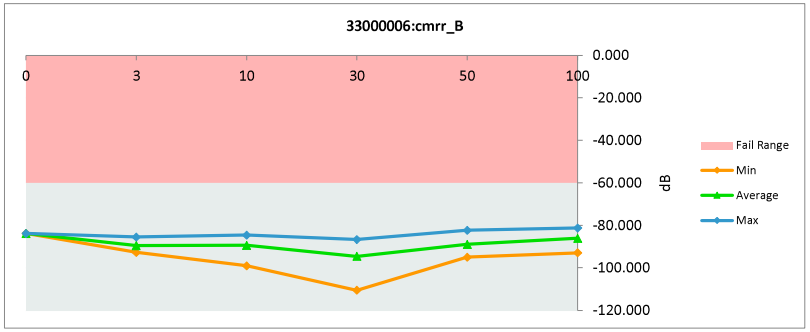
TID-LDR Biased Report
ADC168M102R-SP

	33000006:cmrr_B	
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-60	-60
Min Limit		

KRad(Si)	Serial #	postrad	prerad	Delta
3	26	-95.674	-87.863	-7.811
3	27	-87.343	-92.513	5.170
3	28	-85.046	-85.471	0.425
3	29	-88.128	-92.764	4.636
3	30	-88.164	-88.861	0.697
10	31	-84.737	-86.099	1.362
10	32	-94.282	-99.022	4.740
10	33	-98.252	-91.465	-6.787
10	34	-83.064	-84.566	1.502
10	35	-87.584	-85.923	-1.661
30	36	-94.591	-92.269	-2.322
30	37	-111.119	-110.509	-0.610
30	38	-87.307	-95.660	8.353
30	39	-84.223	-86.691	2.468
30	40	-92.563	-87.720	-4.843
50	41	-84.729	-89.866	5.137
50	42	-90.358	-89.866	-0.492
50	43	-85.196	-87.555	2.359
50	44	-101.450	-94.976	-6.474
50	45	-80.526	-82.347	1.821
100	46	-76.361	-83.364	7.003
100	47	-113.997	-81.242	-32.755
100	48	-92.531	-84.006	-8.525
100	49	-85.203	-88.595	3.392
100	50	-79.845	-92.893	13.048
0	51	-86.641	-83.818	-2.823
	Max	-76.361	-81.242	13.048
	Average	-89.958	-89.459	-0.500
	Min	-113.997	-110.509	-32.755
	Std Dev	8.788	6.152	8.356



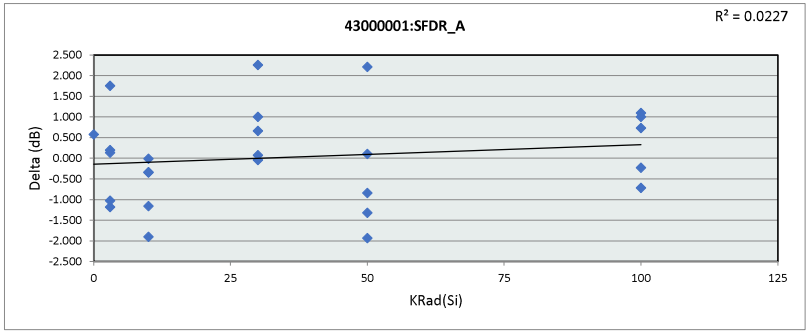
	33000006:cmrr_B					
Test Site						
Tester						
Test Number						
Max Limit	-60	dB				
Min Limit		dB				
KRad(Si)	0	3	10	30	50	100
LL						
Min	-83.818	-92.764	-99.022	-110.509	-94.976	-92.893
Average	-83.818	-89.494	-89.415	-94.570	-88.922	-86.020
Max	-83.818	-85.471	-84.566	-86.691	-82.347	-81.242
UL	-60.000	-60.000	-60.000	-60.000	-60.000	-60.000



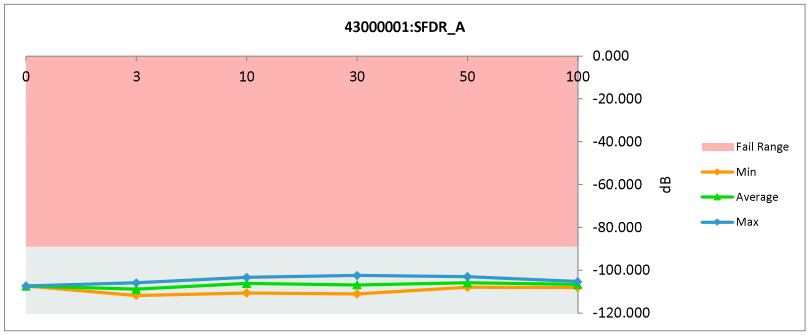
TID-LDR Biased Report
ADC168M102R-SP

	43000001:SFDR_A	
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-89	-89
Min Limit		

KRad(Si)	Serial #	postrad	prerad	Delta
3	26	-111.598	-111.797	0.199
3	27	-109.342	-109.479	0.137
3	28	-110.211	-109.031	-1.180
3	29	-109.426	-108.394	-1.032
3	30	-104.072	-105.828	1.756
10	31	-105.116	-105.106	-0.010
10	32	-108.330	-106.426	-1.904
10	33	-103.731	-103.393	-0.338
10	34	-111.772	-110.616	-1.156
10	35	-106.061	-105.721	-0.340
30	36	-109.822	-109.784	-0.038
30	37	-102.841	-103.505	0.664
30	38	-108.823	-111.084	2.261
30	39	-102.382	-102.453	0.071
30	40	-106.422	-107.427	1.005
50	41	-104.460	-106.668	2.208
50	42	-107.442	-105.506	-1.936
50	43	-106.067	-106.173	0.106
50	44	-103.840	-102.996	-0.844
50	45	-109.217	-107.896	-1.321
100	46	-104.950	-105.682	0.732
100	47	-108.663	-107.947	-0.716
100	48	-108.314	-108.082	-0.232
100	49	-104.316	-105.324	1.008
100	50	-105.199	-106.296	1.097
0	51	-106.823	-107.397	0.574
	Max	-102.382	-102.453	2.261
	Average	-106.894	-106.923	0.030
	Min	-111.772	-111.797	-1.936
	Std Dev	2.703	2.472	1.133



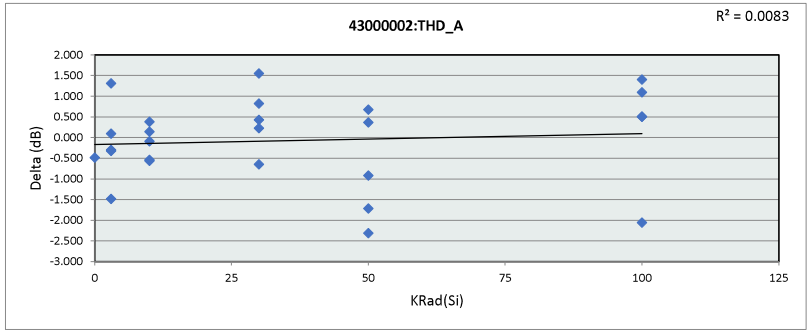
	43000001:SFDR_A					
Test Site						
Tester						
Test Number						
Max Limit	-89	dB				
Min Limit		dB				
KRad(Si)	0	3	10	30	50	100
LL						
Min	-107.397	-111.797	-110.616	-111.084	-107.896	-108.082
Average	-107.397	-108.906	-106.252	-106.851	-105.848	-106.666
Max	-107.397	-105.828	-103.393	-102.453	-102.996	-105.324
UL	-89.000	-89.000	-89.000	-89.000	-89.000	-89.000



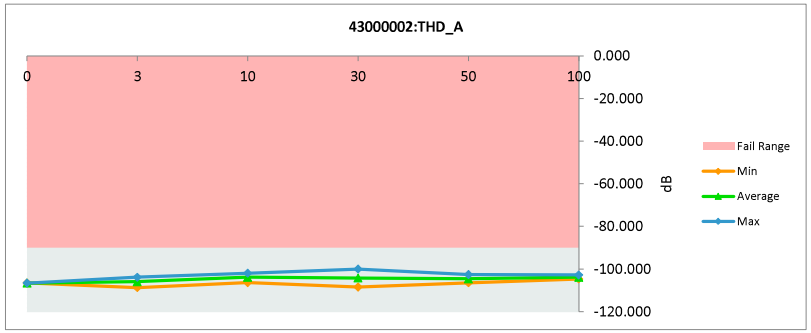
TID-LDR Biased Report
ADC168M102R-SP

	43000002:THD_A	
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-90	-90
Min Limit		

KRad(Si)	Serial #	postrad	prerad	Delta
3	26	-107.477	-107.174	-0.303
3	27	-106.312	-105.992	-0.320
3	28	-105.379	-103.895	-1.484
3	29	-108.549	-108.649	0.100
3	30	-102.505	-103.815	1.310
10	31	-105.719	-105.160	-0.559
10	32	-103.012	-103.157	0.145
10	33	-101.577	-101.958	0.381
10	34	-106.911	-106.369	-0.542
10	35	-102.488	-102.399	-0.089
30	36	-106.213	-107.038	0.825
30	37	-99.543	-99.972	0.429
30	38	-106.868	-108.418	1.550
30	39	-99.942	-100.169	0.227
30	40	-106.054	-105.406	-0.648
50	41	-104.698	-105.375	0.677
50	42	-104.836	-102.526	-2.310
50	43	-106.284	-104.566	-1.718
50	44	-103.560	-103.922	0.362
50	45	-107.322	-106.402	-0.920
100	46	-102.828	-104.234	1.406
100	47	-106.673	-104.615	-2.058
100	48	-103.510	-104.602	1.092
100	49	-102.246	-102.750	0.504
100	50	-102.605	-103.108	0.503
0	51	-107.020	-106.539	-0.481
	Max	-99.543	-99.972	1.550
	Average	-104.620	-104.547	-0.074
	Min	-108.549	-108.649	-2.310
	Std Dev	2.425	2.225	1.027



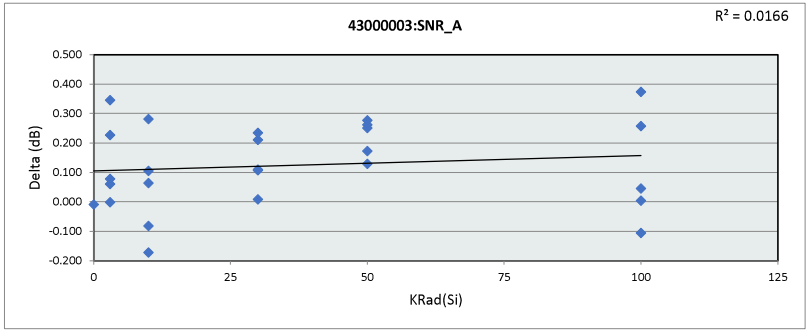
	43000002:THD_A					
Test Site						
Tester						
Test Number						
Max Limit	-90	dB				
Min Limit		dB				
KRad(Si)	0	3	10	30	50	100
LL						
Min	-106.539	-108.649	-106.369	-108.418	-106.402	-104.615
Average	-106.539	-105.905	-103.809	-104.201	-104.558	-103.862
Max	-106.539	-103.815	-101.958	-99.972	-102.526	-102.750
UL	-90.000	-90.000	-90.000	-90.000	-90.000	-90.000



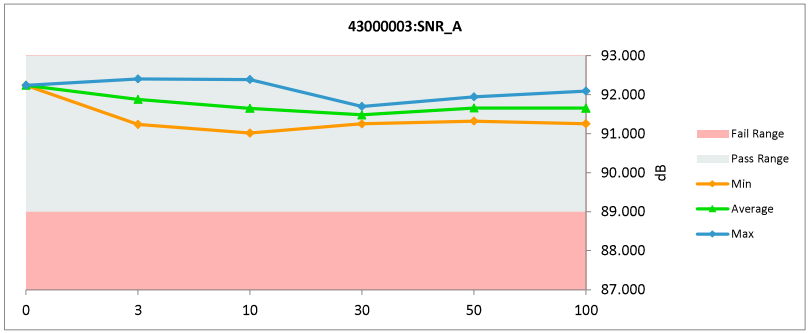
TID-LDR Biased Report
ADC168M102R-SP

	43000003:SNR_A	
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit		
Min Limit	89	89

KRad(Si)	Serial #	postrad	prerad	Delta
3	26	92.402	92.404	-0.002
3	27	92.110	92.049	0.061
3	28	91.314	91.236	0.078
3	29	92.102	91.757	0.345
3	30	92.198	91.971	0.227
10	31	90.932	91.014	-0.082
10	32	92.218	92.390	-0.172
10	33	91.872	91.767	0.105
10	34	92.090	92.026	0.064
10	35	91.332	91.051	0.281
30	36	91.484	91.249	0.235
30	37	91.717	91.607	0.110
30	38	91.809	91.701	0.108
30	39	91.460	91.250	0.210
30	40	91.605	91.597	0.008
50	41	92.050	91.773	0.277
50	42	91.681	91.508	0.173
50	43	91.878	91.749	0.129
50	44	91.581	91.319	0.262
50	45	92.195	91.944	0.251
100	46	91.513	91.255	0.258
100	47	91.988	92.094	-0.106
100	48	92.109	91.735	0.374
100	49	91.844	91.798	0.046
100	50	91.405	91.401	0.004
0	51	92.230	92.239	-0.009
	Max	92.402	92.404	0.374
	Average	91.812	91.688	0.124
	Min	90.932	91.014	-0.172
	Std Dev	0.362	0.390	0.142



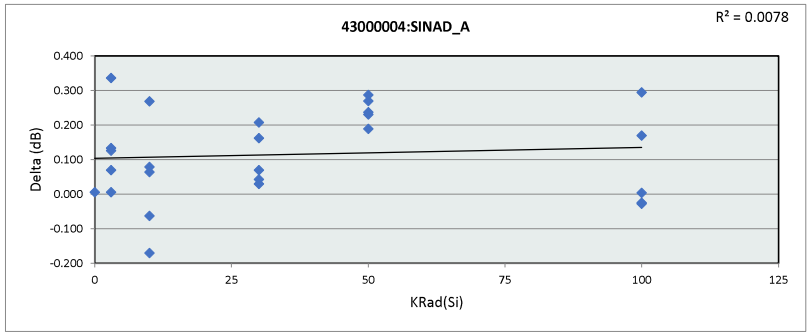
	43000003:SNR_A					
Test Site						
Tester						
Test Number						
Max Limit		dB				
Min Limit	89	dB				
KRad(Si)	0	3	10	30	50	100
LL	89.000	89.000	89.000	89.000	89.000	89.000
Min	92.239	91.236	91.014	91.249	91.319	91.255
Average	92.239	91.883	91.650	91.481	91.659	91.657
Max	92.239	92.404	92.390	91.701	91.944	92.094
UL						



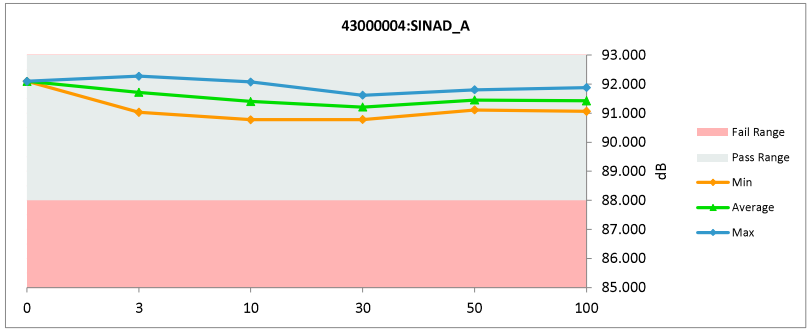
TID-LDR Biased Report
ADC168M102R-SP

	43000004:SINAD_A	
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit		
Min Limit	88	88

KRad(Si)	Serial #	postrad	prerad	Delta
3	26	92.282	92.276	0.006
3	27	91.965	91.895	0.070
3	28	91.164	91.030	0.134
3	29	92.014	91.678	0.336
3	30	91.850	91.724	0.126
10	31	90.804	90.867	-0.063
10	32	91.906	92.076	-0.170
10	33	91.474	91.410	0.064
10	34	91.964	91.885	0.079
10	35	91.044	90.775	0.269
30	36	91.355	91.147	0.208
30	37	91.118	91.075	0.043
30	38	91.689	91.619	0.070
30	39	90.941	90.778	0.163
30	40	91.468	91.438	0.030
50	41	91.844	91.607	0.237
50	42	91.497	91.210	0.287
50	43	91.740	91.551	0.189
50	44	91.342	91.111	0.231
50	45	92.077	91.807	0.270
100	46	91.233	91.063	0.170
100	47	91.857	91.882	-0.025
100	48	91.834	91.539	0.295
100	49	91.501	91.497	0.004
100	50	91.118	91.146	-0.028
0	51	92.103	92.097	0.006
	Max	92.282	92.276	0.336
	Average	91.584	91.469	0.115
	Min	90.804	90.775	-0.170
	Std Dev	0.404	0.422	0.129



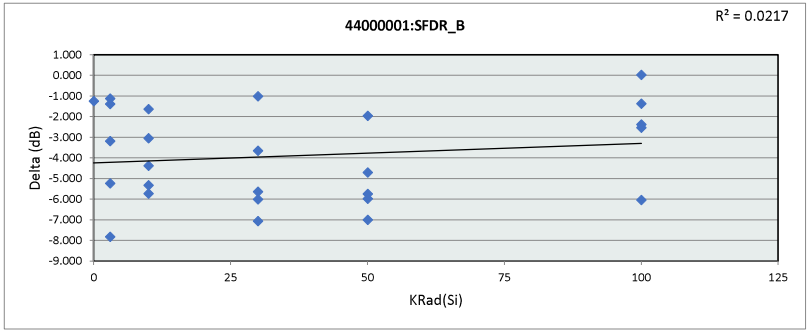
	43000004:SINAD_A					
Test Site						
Tester						
Test Number						
Max Limit		dB				
Min Limit	88	dB				
KRad(Si)	0	3	10	30	50	100
LL	88.000	88.000	88.000	88.000	88.000	88.000
Min	92.097	91.030	90.775	90.778	91.111	91.063
Average	92.097	91.721	91.403	91.211	91.457	91.425
Max	92.097	92.276	92.076	91.619	91.807	91.882
UL						



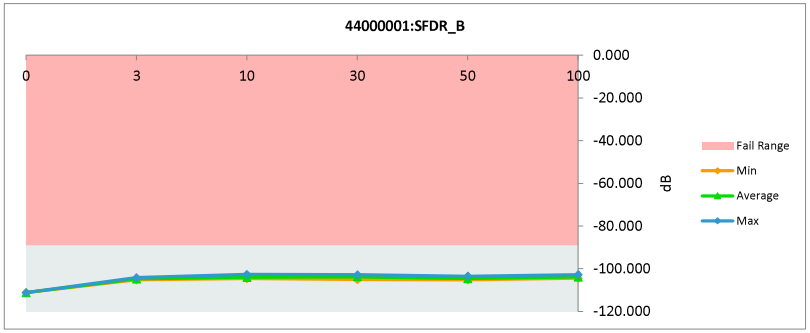
TID-LDR Biased Report
ADC168M102R-SP

	44000001:SFDR_B	
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-89	-89
Min Limit		

KRad(Si)	Serial #	postrad	prerad	Delta
3	26	-105.565	-104.178	-1.387
3	27	-108.367	-105.176	-3.191
3	28	-110.271	-105.029	-5.242
3	29	-112.201	-104.381	-7.820
3	30	-106.034	-104.917	-1.117
10	31	-109.748	-104.425	-5.323
10	32	-107.667	-104.621	-3.046
10	33	-109.066	-104.687	-4.379
10	34	-105.319	-103.689	-1.630
10	35	-108.442	-102.709	-5.733
30	36	-110.738	-105.095	-5.643
30	37	-109.890	-102.824	-7.066
30	38	-107.028	-103.381	-3.647
30	39	-105.015	-104.000	-1.015
30	40	-109.540	-103.535	-6.005
50	41	-109.877	-105.173	-4.704
50	42	-110.509	-103.511	-6.998
50	43	-106.851	-104.899	-1.952
50	44	-110.831	-104.850	-5.981
50	45	-110.616	-104.865	-5.751
100	46	-106.150	-103.619	-2.531
100	47	-110.452	-104.413	-6.039
100	48	-106.872	-104.501	-2.371
100	49	-104.174	-102.802	-1.372
100	50	-104.027	-104.045	0.018
0	51	-112.433	-111.185	-1.248
	Max	-104.027	-102.709	0.018
	Average	-108.372	-104.481	-3.891
	Min	-112.433	-111.185	-7.820
	Std Dev	2.457	1.561	2.267



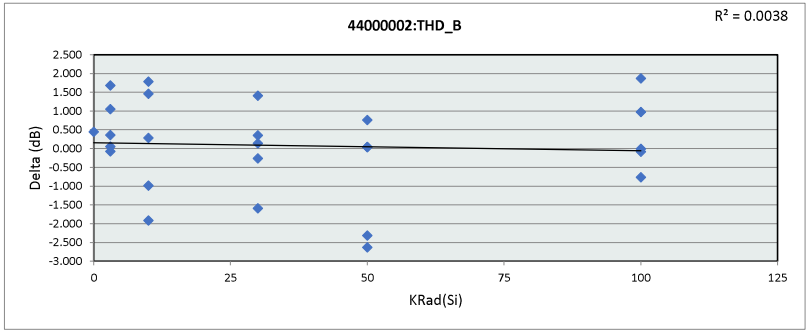
	44000001:SFDR_B					
Test Site						
Tester						
Test Number						
Max Limit	-89	dB				
Min Limit		dB				
KRad(Si)	0	3	10	30	50	100
LL						
Min	-111.185	-105.176	-104.687	-105.095	-105.173	-104.501
Average	-111.185	-104.736	-104.026	-103.767	-104.660	-103.876
Max	-111.185	-104.178	-102.709	-102.824	-103.511	-102.802
UL	-89.000	-89.000	-89.000	-89.000	-89.000	-89.000



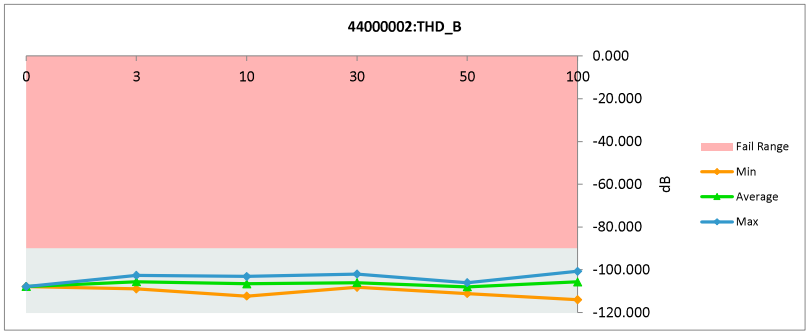
TID-LDR Biased Report
ADC168M102R-SP

	44000002:THD_B	
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-90	-90
Min Limit		

KRad(Si)	Serial #	postrad	prerad	Delta
3	26	-103.354	-103.406	0.052
3	27	-106.226	-106.585	0.359
3	28	-105.242	-106.294	1.052
3	29	-107.291	-108.971	1.680
3	30	-102.735	-102.663	-0.072
10	31	-110.582	-112.367	1.785
10	32	-107.251	-105.338	-1.913
10	33	-106.257	-107.715	1.458
10	34	-102.849	-103.129	0.280
10	35	-105.144	-104.156	-0.988
30	36	-107.426	-107.566	0.140
30	37	-106.762	-108.167	1.405
30	38	-104.663	-105.014	0.351
30	39	-102.300	-102.041	-0.259
30	40	-109.150	-107.553	-1.597
50	41	-113.766	-111.136	-2.630
50	42	-108.389	-106.075	-2.314
50	43	-107.007	-107.053	0.046
50	44	-108.202	-108.236	0.034
50	45	-106.747	-107.504	0.757
100	46	-104.608	-105.578	0.970
100	47	-112.173	-114.043	1.870
100	48	-105.116	-105.108	-0.008
100	49	-101.493	-100.729	-0.764
100	50	-102.884	-102.797	-0.087
0	51	-107.368	-107.811	0.443
	Max	-101.493	-100.729	1.870
	Average	-106.346	-106.424	0.079
	Min	-113.766	-114.043	-2.630
	Std Dev	2.989	3.137	1.212



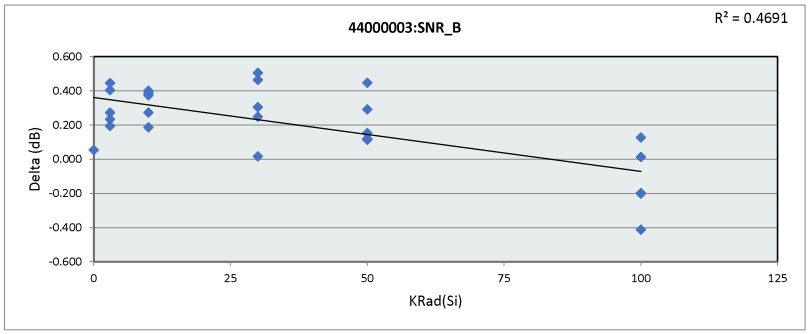
	44000002:THD_B					
Test Site						
Tester						
Test Number						
Max Limit	-90	dB				
Min Limit		dB				
KRad(Si)	0	3	10	30	50	100
LL						
Min	-107.811	-108.971	-112.367	-108.167	-111.136	-114.043
Average	-107.811	-105.584	-106.541	-106.068	-108.001	-105.651
Max	-107.811	-102.663	-103.129	-102.041	-106.075	-100.729
UL	-90.000	-90.000	-90.000	-90.000	-90.000	-90.000



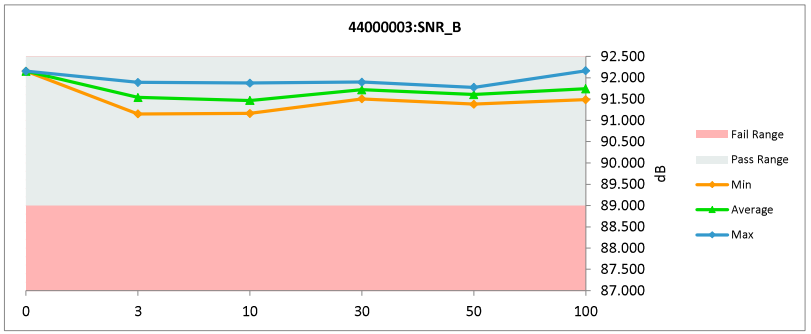
TID-LDR Biased Report
ADC168M102R-SP

	44000003:SNR_B	
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit		
Min Limit	89	89

KRad(Si)	Serial #	postrad	prerad	Delta
3	26	91.425	91.152	0.273
3	27	91.903	91.458	0.445
3	28	91.958	91.763	0.195
3	29	92.295	91.891	0.404
3	30	91.663	91.430	0.233
10	31	91.919	91.733	0.186
10	32	92.148	91.875	0.273
10	33	91.539	91.164	0.375
10	34	91.796	91.409	0.387
10	35	91.562	91.163	0.399
30	36	92.204	91.899	0.305
30	37	91.671	91.655	0.016
30	38	92.300	91.795	0.505
30	39	91.754	91.505	0.249
30	40	92.200	91.737	0.463
50	41	91.924	91.632	0.292
50	42	91.531	91.379	0.152
50	43	91.883	91.770	0.113
50	44	91.893	91.774	0.119
50	45	91.910	91.464	0.446
100	46	91.669	91.656	0.013
100	47	91.967	92.167	-0.200
100	48	91.903	91.776	0.127
100	49	91.077	91.489	-0.412
100	50	91.428	91.627	-0.199
0	51	92.209	92.156	0.053
	Max	92.300	92.167	0.505
	Average	91.836	91.635	0.200
	Min	91.077	91.152	-0.412
	Std Dev	0.301	0.269	0.225



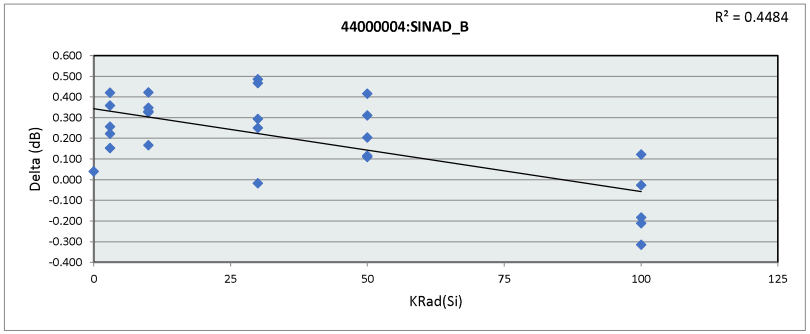
	44000003:SNR_B					
Test Site						
Tester						
Test Number						
Max Limit		dB				
Min Limit	89	dB				
KRad(Si)	0	3	10	30	50	100
LL	89.000	89.000	89.000	89.000	89.000	89.000
Min	92.156	91.152	91.163	91.505	91.379	91.489
Average	92.156	91.539	91.469	91.718	91.604	91.743
Max	92.156	91.891	91.875	91.899	91.774	92.167
UL						



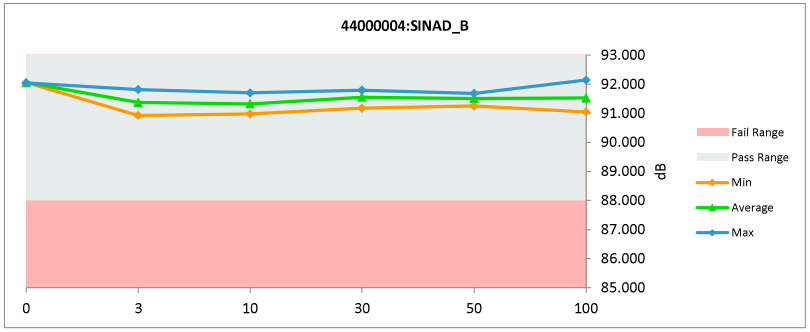
TID-LDR Biased Report
ADC168M102R-SP

	44000004:SINAD_B	
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit		
Min Limit	88	88

KRad(Si)	Serial #	postrad	prerad	Delta
3	26	91.183	90.926	0.257
3	27	91.762	91.341	0.421
3	28	91.780	91.628	0.152
3	29	92.174	91.816	0.358
3	30	91.369	91.147	0.222
10	31	91.866	91.700	0.166
10	32	92.029	91.703	0.326
10	33	91.410	91.079	0.331
10	34	91.502	91.155	0.347
10	35	91.395	90.972	0.423
30	36	92.089	91.795	0.294
30	37	91.552	91.569	-0.017
30	38	92.080	91.613	0.467
30	39	91.424	91.174	0.250
30	40	92.122	91.636	0.486
50	41	91.899	91.588	0.311
50	42	91.452	91.249	0.203
50	43	91.765	91.656	0.109
50	44	91.803	91.687	0.116
50	45	91.784	91.368	0.416
100	46	91.475	91.501	-0.026
100	47	91.930	92.141	-0.211
100	48	91.720	91.599	0.121
100	49	90.735	91.049	-0.314
100	50	91.157	91.340	-0.183
0	51	92.092	92.052	0.040
	Max	92.174	92.141	0.486
	Average	91.675	91.480	0.195
	Min	90.735	90.926	-0.314
	Std Dev	0.354	0.321	0.213



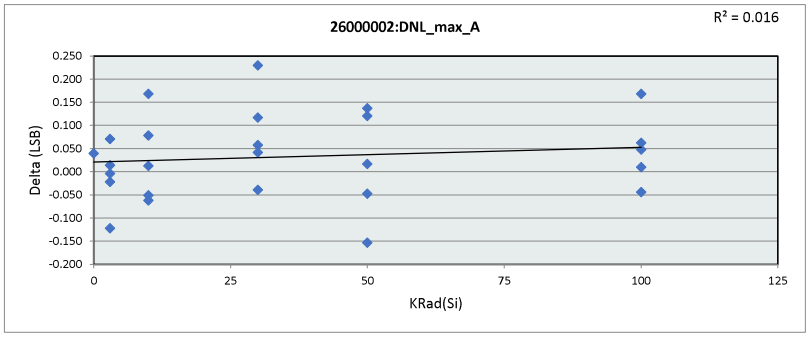
	44000004:SINAD_B					
Test Site						
Tester						
Test Number						
Max Limit		dB				
Min Limit	88	dB				
KRad(Si)	0	3	10	30	50	100
LL	88.000	88.000	88.000	88.000	88.000	88.000
Min	92.052	90.926	90.972	91.174	91.249	91.049
Average	92.052	91.372	91.322	91.557	91.510	91.526
Max	92.052	91.816	91.703	91.795	91.687	92.141
UL						



TID-LDR Biased Report
ADC168M102R-SP

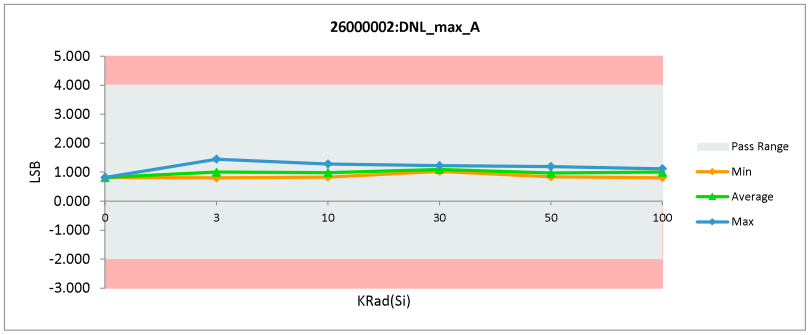
	26000002:DNL_max_A	
Test Site		
Tester		
Test Number		
Unit	LSB	LSB
Max Limit	4	4
Min Limit	-2	-2

KRad(Si)	Serial #	postrad	prerad	Delta
3	26	0.873	0.802	0.071
3	27	0.867	0.889	-0.022
3	28	1.460	1.446	0.014
3	29	0.811	0.933	-0.122
3	30	0.907	0.911	-0.004
10	31	0.907	0.829	0.078
10	32	0.912	0.899	0.013
10	33	0.838	0.900	-0.062
10	34	0.951	1.002	-0.051
10	35	1.451	1.283	0.168
30	36	1.343	1.226	0.117
30	37	1.285	1.055	0.230
30	38	1.098	1.040	0.058
30	39	1.070	1.109	-0.039
30	40	1.064	1.022	0.042
50	41	1.036	0.915	0.121
50	42	0.977	0.840	0.137
50	43	0.862	0.845	0.017
50	44	1.145	1.192	-0.047
50	45	0.881	1.034	-0.153
100	46	1.131	1.068	0.063
100	47	0.815	0.805	0.010
100	48	1.168	1.120	0.048
100	49	1.060	0.892	0.168
100	50	1.074	1.118	-0.044
0	51	0.851	0.811	0.040
	Max	1.460	1.446	0.230
	Average	1.032	0.999	0.033
	Min	0.811	0.802	-0.153
	Std Dev	0.189	0.164	0.090



	26000002:DNL_max_A	
Test Site		
Tester		
Test Number		
Max Limit	4	LSB
Min Limit	-2	LSB

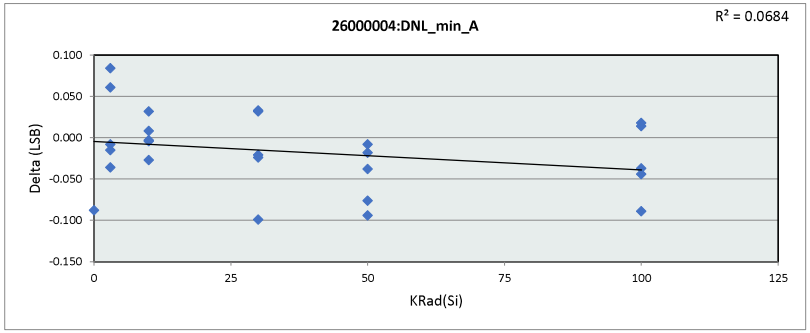
KRad(Si)	0	3	10	30	50	100
LL	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000
Min	0.811	0.802	0.829	1.022	0.840	0.805
Average	0.811	0.996	0.983	1.090	0.965	1.001
Max	0.811	1.446	1.283	1.226	1.192	1.120
UL	4.000	4.000	4.000	4.000	4.000	4.000



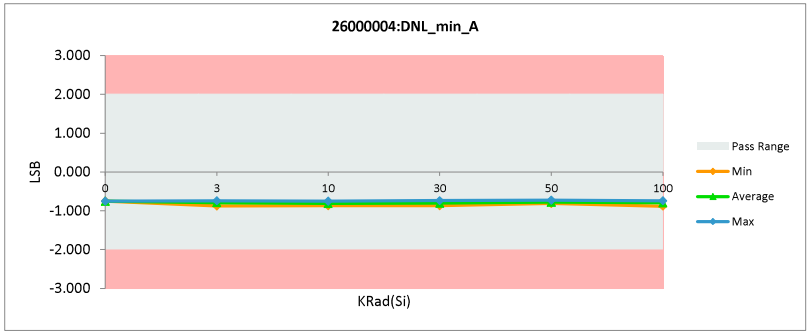
TID-LDR Biased Report
ADC168M102R-SP

	26000004:DNL_min_A	
Test Site		
Tester		
Test Number		
Unit	LSB	LSB
Max Limit	2	2
Min Limit	-2	-2

KRad(Si)	Serial #	postrad	prerad	Delta
3	26	-0.803	-0.788	-0.015
3	27	-0.743	-0.804	0.061
3	28	-0.751	-0.743	-0.008
3	29	-0.790	-0.874	0.084
3	30	-0.791	-0.755	-0.036
10	31	-0.840	-0.872	0.032
10	32	-0.756	-0.753	-0.003
10	33	-0.829	-0.837	0.008
10	34	-0.843	-0.816	-0.027
10	35	-0.788	-0.784	-0.004
30	36	-0.836	-0.869	0.033
30	37	-0.808	-0.840	0.032
30	38	-0.837	-0.738	-0.099
30	39	-0.789	-0.765	-0.024
30	40	-0.820	-0.799	-0.021
50	41	-0.856	-0.780	-0.076
50	42	-0.848	-0.810	-0.038
50	43	-0.746	-0.728	-0.018
50	44	-0.809	-0.801	-0.008
50	45	-0.851	-0.757	-0.094
100	46	-0.828	-0.842	0.014
100	47	-0.803	-0.766	-0.037
100	48	-0.833	-0.744	-0.089
100	49	-0.865	-0.883	0.018
100	50	-0.792	-0.748	-0.044
0	51	-0.838	-0.750	-0.088
	Max	-0.743	-0.728	0.084
	Average	-0.811	-0.794	-0.017
	Min	-0.865	-0.883	-0.099
	Std Dev	0.035	0.047	0.047



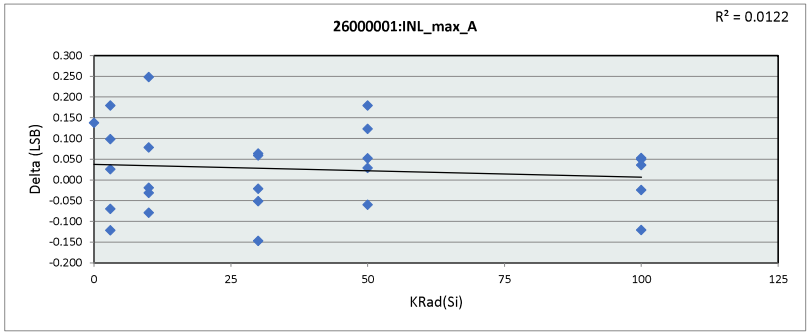
	26000004:DNL_min_A					
Test Site						
Tester						
Test Number						
Max Limit	2	LSB				
Min Limit	-2	LSB				
KRad(Si)	0	3	10	30	50	100
LL	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000
Min	-0.750	-0.874	-0.872	-0.869	-0.810	-0.883
Average	-0.750	-0.793	-0.812	-0.802	-0.775	-0.797
Max	-0.750	-0.743	-0.753	-0.738	-0.728	-0.744
UL	2.000	2.000	2.000	2.000	2.000	2.000



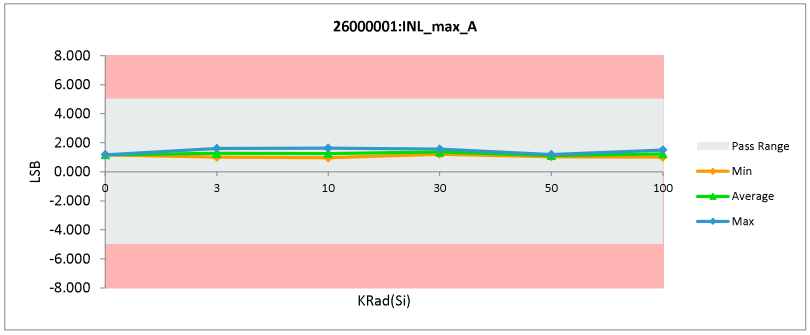
TID-LDR Biased Report
ADC168M102R-SP

	26000001:INL_max_A	
Test Site		
Tester		
Test Number		
Unit	LSB	LSB
Max Limit	5	5
Min Limit	-5	-5

KRad(Si)	Serial #	postrad	prerad	Delta
3	26	1.128	1.102	0.026
3	27	1.176	0.997	0.179
3	28	1.540	1.610	-0.070
3	29	1.323	1.445	-0.122
3	30	1.255	1.157	0.098
10	31	1.371	1.390	-0.019
10	32	0.930	0.961	-0.031
10	33	1.087	1.166	-0.079
10	34	1.342	1.094	0.248
10	35	1.698	1.620	0.078
30	36	1.407	1.554	-0.147
30	37	1.208	1.259	-0.051
30	38	1.343	1.279	0.064
30	39	1.433	1.454	-0.021
30	40	1.278	1.219	0.059
50	41	1.140	1.111	0.029
50	42	1.258	1.135	0.123
50	43	1.358	1.179	0.179
50	44	1.220	1.168	0.052
50	45	0.961	1.021	-0.060
100	46	1.381	1.502	-0.121
100	47	1.033	0.997	0.036
100	48	1.373	1.320	0.053
100	49	1.063	1.013	0.050
100	50	1.328	1.352	-0.024
0	51	1.306	1.168	0.138
	Max	1.698	1.620	0.248
	Average	1.267	1.241	0.026
	Min	0.930	0.961	-0.147
	Std Dev	0.174	0.197	0.100



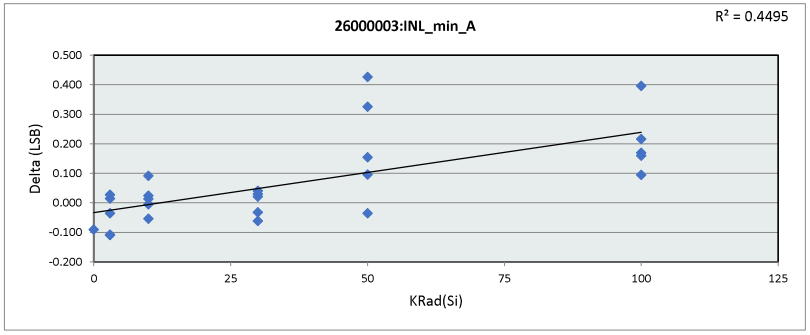
	26000001:INL_max_A					
Test Site						
Tester						
Test Number						
Max Limit	5	LSB				
Min Limit	-5	LSB				
KRad(Si)	0	3	10	30	50	100
LL	-5.000	-5.000	-5.000	-5.000	-5.000	-5.000
Min	1.168	0.997	0.961	1.219	1.021	0.997
Average	1.168	1.262	1.246	1.353	1.123	1.237
Max	1.168	1.610	1.620	1.554	1.179	1.502
UL	5.000	5.000	5.000	5.000	5.000	5.000



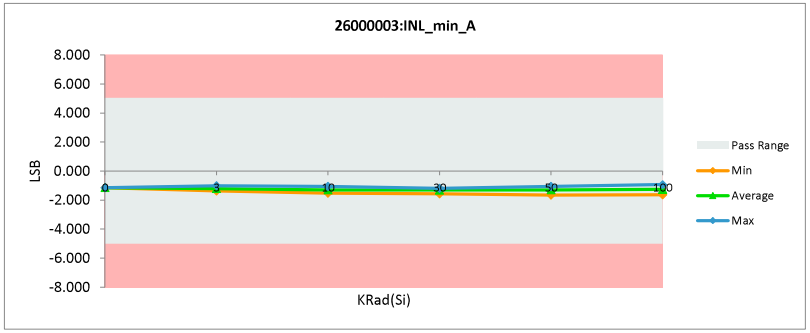
TID-LDR Biased Report
ADC168M102R-SP

	26000003:INL_min_A	
Test Site		
Tester		
Test Number		
Unit	LSB	LSB
Max Limit	5	5
Min Limit	-5	-5

KRad(Si)	Serial #	postrad	prerad	Delta
3	26	-1.229	-1.257	0.028
3	27	-1.091	-1.055	-0.036
3	28	-1.488	-1.380	-0.108
3	29	-1.118	-1.009	-0.109
3	30	-1.281	-1.296	0.015
10	31	-1.408	-1.432	0.024
10	32	-1.117	-1.063	-0.054
10	33	-1.115	-1.206	0.091
10	34	-1.285	-1.280	-0.005
10	35	-1.509	-1.522	0.013
30	36	-1.361	-1.300	-0.061
30	37	-1.200	-1.230	0.030
30	38	-1.171	-1.212	0.041
30	39	-1.559	-1.580	0.021
30	40	-1.225	-1.193	-0.032
50	41	-1.274	-1.239	-0.035
50	42	-1.223	-1.649	0.426
50	43	-1.170	-1.266	0.096
50	44	-0.957	-1.283	0.326
50	45	-0.902	-1.056	0.154
100	46	-1.419	-1.635	0.216
100	47	-0.840	-0.934	0.094
100	48	-1.143	-1.303	0.160
100	49	-0.837	-1.007	0.170
100	50	-1.034	-1.430	0.396
0	51	-1.229	-1.138	-0.091
	Max	-0.837	-0.934	0.426
	Average	-1.199	-1.267	0.068
	Min	-1.559	-1.649	-0.109
	Std Dev	0.192	0.192	0.145



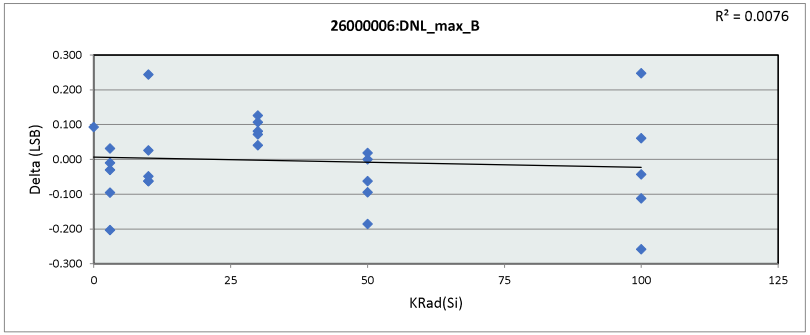
	26000003:INL_min_A					
Test Site						
Tester						
Test Number						
Max Limit	5	LSB				
Min Limit	-5	LSB				
KRad(Si)	0	3	10	30	50	100
LL	-5.000	-5.000	-5.000	-5.000	-5.000	-5.000
Min	-1.138	-1.380	-1.522	-1.580	-1.649	-1.635
Average	-1.138	-1.199	-1.301	-1.303	-1.299	-1.262
Max	-1.138	-1.009	-1.063	-1.193	-1.056	-0.934
UL	5.000	5.000	5.000	5.000	5.000	5.000



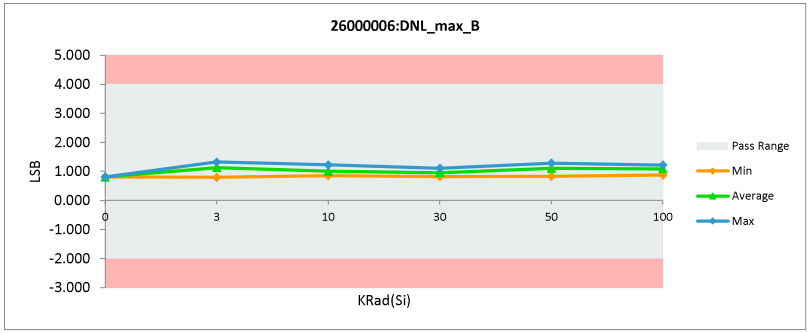
TID-LDR Biased Report
ADC168M102R-SP

	26000006:DNL_max_B	
Test Site		
Tester		
Test Number		
Unit	LSB	LSB
Max Limit	4	4
Min Limit	-2	-2

KRad(Si)	Serial #	postrad	prerad	Delta
3	26	1.047	1.057	-0.010
3	27	1.210	1.179	0.031
3	28	1.120	1.323	-0.203
3	29	0.769	0.799	-0.030
3	30	1.218	1.314	-0.096
10	31	0.786	0.848	-0.062
10	32	1.154	0.910	0.244
10	33	0.998	0.972	0.026
10	34	1.012	1.074	-0.062
10	35	1.180	1.229	-0.049
30	36	1.183	1.111	0.072
30	37	1.222	1.096	0.126
30	38	0.925	0.818	0.107
30	39	0.965	0.924	0.041
30	40	0.907	0.826	0.081
50	41	1.118	1.118	0.000
50	42	1.221	1.284	-0.063
50	43	0.848	0.829	0.019
50	44	0.884	1.069	-0.185
50	45	1.152	1.247	-0.095
100	46	0.941	0.880	0.061
100	47	0.913	1.171	-0.258
100	48	1.107	1.219	-0.112
100	49	1.412	1.165	0.247
100	50	0.977	1.020	-0.043
0	51	0.906	0.813	0.093
	Max	1.412	1.323	0.247
	Average	1.045	1.050	-0.005
	Min	0.769	0.799	-0.258
	Std Dev	0.159	0.172	0.121



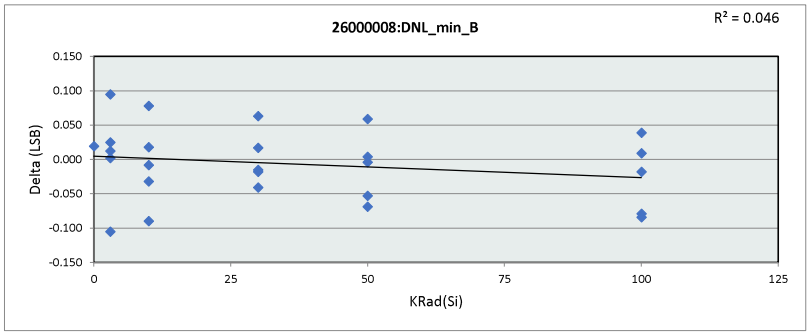
	26000006:DNL_max_B					
Test Site						
Tester						
Test Number						
Max Limit	4	LSB				
Min Limit	-2	LSB				
KRad(Si)	0	3	10	30	50	100
LL	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000
Min	0.813	0.799	0.848	0.818	0.829	0.880
Average	0.813	1.134	1.007	0.955	1.109	1.091
Max	0.813	1.323	1.229	1.111	1.284	1.219
UL	4.000	4.000	4.000	4.000	4.000	4.000



TID-LDR Biased Report
ADC168M102R-SP

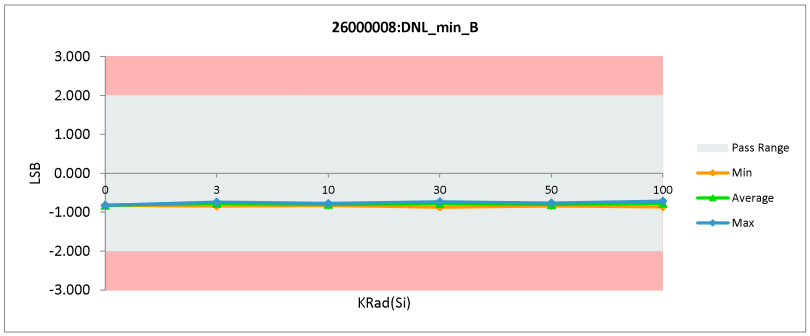
	26000008:DNL_min_B	
Test Site		
Tester		
Test Number		
Unit	LSB	LSB
Max Limit	2	2
Min Limit	-2	-2

KRad(Si)	Serial #	postrad	prerad	Delta
3	26	-0.723	-0.748	0.025
3	27	-0.774	-0.786	0.012
3	28	-0.848	-0.743	-0.105
3	29	-0.752	-0.754	0.002
3	30	-0.747	-0.842	0.095
10	31	-0.839	-0.807	-0.032
10	32	-0.786	-0.778	-0.008
10	33	-0.896	-0.806	-0.090
10	34	-0.765	-0.783	0.018
10	35	-0.741	-0.819	0.078
30	36	-0.783	-0.765	-0.018
30	37	-0.780	-0.739	-0.041
30	38	-0.779	-0.796	0.017
30	39	-0.748	-0.733	-0.015
30	40	-0.808	-0.871	0.063
50	41	-0.825	-0.829	0.004
50	42	-0.836	-0.767	-0.069
50	43	-0.808	-0.804	-0.004
50	44	-0.817	-0.764	-0.053
50	45	-0.777	-0.836	0.059
100	46	-0.804	-0.786	-0.018
100	47	-0.751	-0.760	0.009
100	48	-0.824	-0.863	0.039
100	49	-0.830	-0.746	-0.084
100	50	-0.797	-0.718	-0.079
0	51	-0.801	-0.820	0.019
	Max	-0.723	-0.718	0.095
	Average	-0.794	-0.787	-0.007
	Min	-0.896	-0.871	-0.105
	Std Dev	0.040	0.041	0.052



	26000008:DNL_min_B	
Test Site		
Tester		
Test Number		
Max Limit	2	LSB
Min Limit	-2	LSB

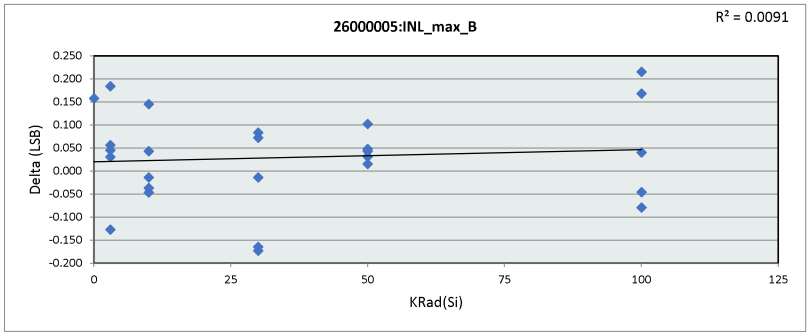
KRad(Si)	0	3	10	30	50	100
LL	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000
Min	-0.820	-0.842	-0.819	-0.871	-0.836	-0.863
Average	-0.820	-0.775	-0.799	-0.781	-0.800	-0.775
Max	-0.820	-0.743	-0.778	-0.733	-0.764	-0.718
UL	2.000	2.000	2.000	2.000	2.000	2.000



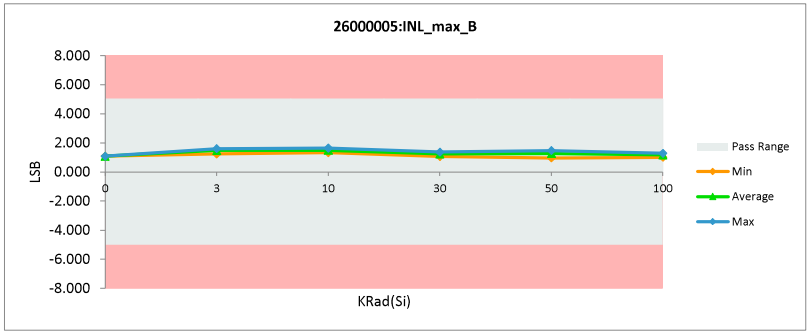
TID-LDR Biased Report
ADC168M102R-SP

	26000005:INL_max_B	
Test Site		
Tester		
Test Number		
Unit	LSB	LSB
Max Limit	5	5
Min Limit	-5	-5

KRad(Si)	Serial #	postrad	prerad	Delta
3	26	1.742	1.558	0.184
3	27	1.640	1.610	0.030
3	28	1.598	1.542	0.056
3	29	1.115	1.242	-0.127
3	30	1.555	1.510	0.045
10	31	1.319	1.333	-0.014
10	32	1.497	1.534	-0.037
10	33	1.597	1.644	-0.047
10	34	1.562	1.519	0.043
10	35	1.592	1.447	0.145
30	36	1.072	1.237	-0.165
30	37	1.410	1.338	0.072
30	38	0.892	1.065	-0.173
30	39	1.345	1.262	0.083
30	40	1.353	1.367	-0.014
50	41	1.302	1.287	0.015
50	42	1.510	1.479	0.031
50	43	1.071	0.969	0.102
50	44	1.344	1.301	0.043
50	45	1.375	1.327	0.048
100	46	1.166	1.212	-0.046
100	47	1.233	1.018	0.215
100	48	1.327	1.287	0.040
100	49	1.354	1.186	0.168
100	50	1.099	1.178	-0.079
0	51	1.254	1.097	0.157
	Max	1.742	1.644	0.215
	Average	1.359	1.329	0.030
	Min	0.892	0.969	-0.173
	Std Dev	0.210	0.185	0.101



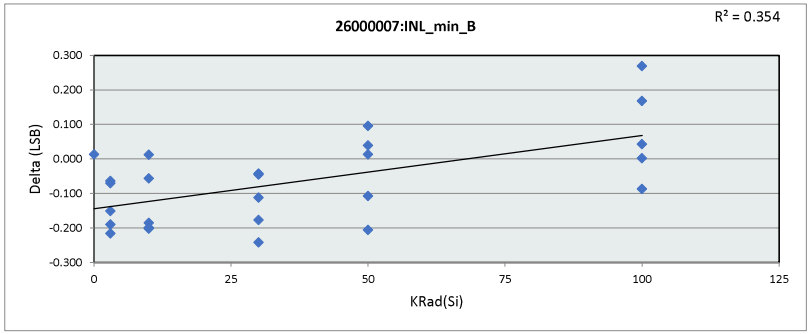
	26000005:INL_max_B					
Test Site						
Tester						
Test Number						
Max Limit	5	LSB				
Min Limit	-5	LSB				
KRad(Si)	0	3	10	30	50	100
LL	-5.000	-5.000	-5.000	-5.000	-5.000	-5.000
Min	1.097	1.242	1.333	1.065	0.969	1.018
Average	1.097	1.492	1.495	1.254	1.273	1.176
Max	1.097	1.610	1.644	1.367	1.479	1.287
UL	5.000	5.000	5.000	5.000	5.000	5.000



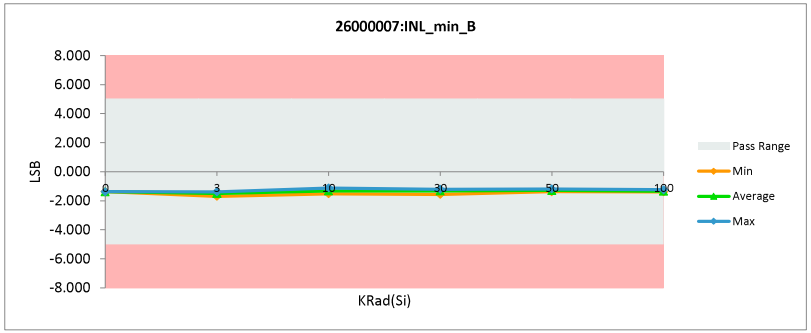
TID-LDR Biased Report
ADC168M102R-SP

	26000007:INL_min_B	
Test Site		
Tester		
Test Number		
Unit	LSB	LSB
Max Limit	5	5
Min Limit	-5	-5

KRad(Si)	Serial #	postrad	prerad	Delta
3	26	-1.769	-1.705	-0.064
3	27	-1.574	-1.504	-0.070
3	28	-1.615	-1.399	-0.216
3	29	-1.538	-1.387	-0.151
3	30	-1.724	-1.534	-0.190
10	31	-1.537	-1.338	-0.199
10	32	-1.473	-1.287	-0.186
10	33	-1.323	-1.121	-0.202
10	34	-1.585	-1.529	-0.056
10	35	-1.374	-1.386	0.012
30	36	-1.607	-1.562	-0.045
30	37	-1.433	-1.256	-0.177
30	38	-1.318	-1.275	-0.043
30	39	-1.573	-1.331	-0.242
30	40	-1.318	-1.206	-0.112
50	41	-1.457	-1.251	-0.206
50	42	-1.486	-1.378	-0.108
50	43	-1.258	-1.271	0.013
50	44	-1.259	-1.355	0.096
50	45	-1.156	-1.195	0.039
100	46	-1.437	-1.350	-0.087
100	47	-1.352	-1.395	0.043
100	48	-1.103	-1.372	0.269
100	49	-1.242	-1.244	0.002
100	50	-1.194	-1.362	0.168
0	51	-1.367	-1.380	0.013
	Max	-1.103	-1.121	0.269
	Average	-1.426	-1.361	-0.065
	Min	-1.769	-1.705	-0.242
	Std Dev	0.172	0.128	0.127



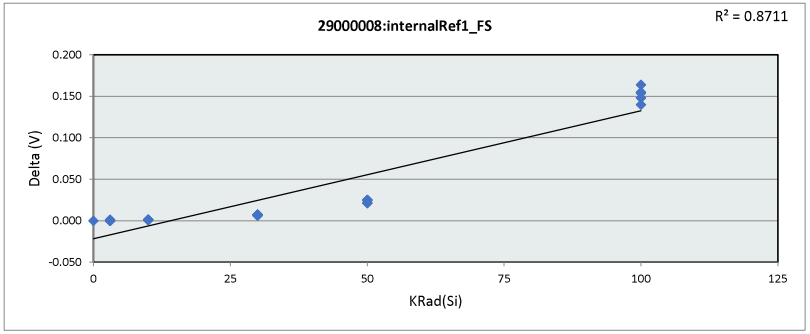
	26000007:INL_min_B					
Test Site						
Tester						
Test Number						
Max Limit	5	LSB				
Min Limit	-5	LSB				
KRad(Si)	0	3	10	30	50	100
LL	-5.000	-5.000	-5.000	-5.000	-5.000	-5.000
Min	-1.380	-1.705	-1.529	-1.562	-1.378	-1.395
Average	-1.380	-1.506	-1.332	-1.326	-1.290	-1.345
Max	-1.380	-1.387	-1.121	-1.206	-1.195	-1.244
UL	5.000	5.000	5.000	5.000	5.000	5.000



TID-LDR Biased Report
ADC168M102R-SP

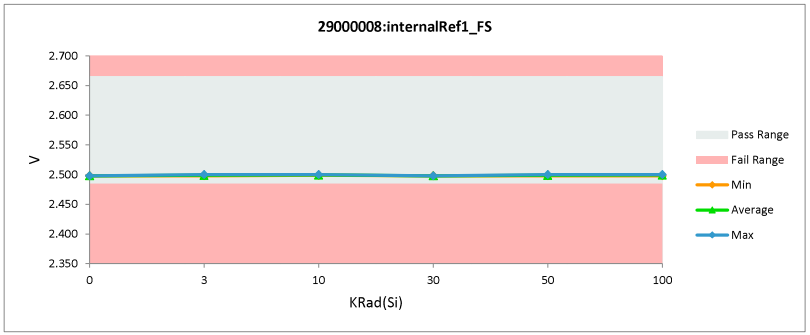
	29000008:internalRef1_FS	
Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	2.665	2.665
Min Limit	2.485	2.485

KRad(Si)	Serial #	postrad	prerad	Delta
3	26	2.500	2.500	0.000
3	27	2.499	2.499	0.000
3	28	2.500	2.499	0.001
3	29	2.499	2.498	0.001
3	30	2.498	2.498	0.000
10	31	2.500	2.499	0.001
10	32	2.501	2.500	0.001
10	33	2.500	2.499	0.001
10	34	2.500	2.499	0.001
10	35	2.500	2.499	0.001
30	36	2.505	2.498	0.007
30	37	2.505	2.498	0.007
30	38	2.505	2.498	0.007
30	39	2.504	2.498	0.006
30	40	2.505	2.498	0.007
50	41	2.523	2.498	0.025
50	42	2.521	2.500	0.021
50	43	2.524	2.499	0.025
50	44	2.524	2.499	0.025
50	45	2.521	2.499	0.022
100	46	2.653	2.499	0.154
100	47	2.655	2.500	0.155
100	48	2.639	2.499	0.140
100	49	2.646	2.498	0.148
100	50	2.664	2.500	0.164
0	51	2.498	2.498	0.000
	Max	2.664	2.500	0.164
	Average	2.534	2.499	0.035
	Min	2.498	2.498	0.000
	Std Dev	0.059	0.001	0.059



	29000008:internalRef1_FS	
Test Site		
Tester		
Test Number		
Max Limit	2.665	V
Min Limit	2.485	V

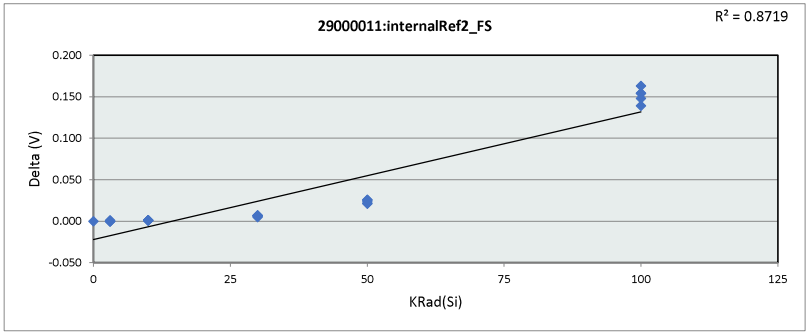
KRad(Si)	0	3	10	30	50	100
LL	2.485	2.485	2.485	2.485	2.485	2.485
Min	2.498	2.498	2.499	2.498	2.498	2.498
Average	2.498	2.499	2.499	2.498	2.499	2.499
Max	2.498	2.500	2.500	2.498	2.500	2.500
UL	2.665	2.665	2.665	2.665	2.665	2.665



TID-LDR Biased Report
ADC168M102R-SP

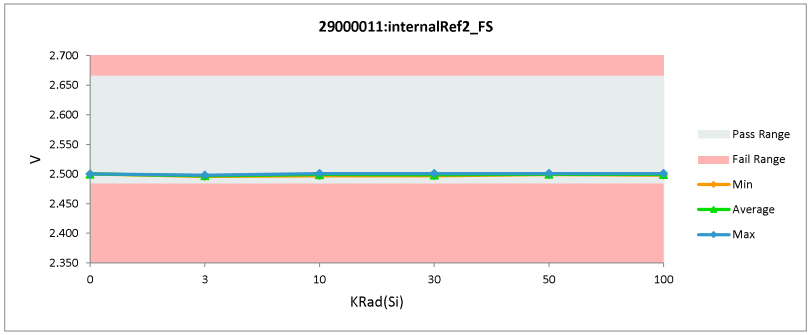
	29000011:internalRef2_FS	
Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	2.665	2.665
Min Limit	2.484	2.484

KRad(Si)	Serial #	postrad	prerad	Delta
3	26	2.498	2.498	0.000
3	27	2.498	2.498	0.000
3	28	2.497	2.496	0.001
3	29	2.496	2.496	0.000
3	30	2.497	2.497	0.000
10	31	2.500	2.499	0.001
10	32	2.499	2.498	0.001
10	33	2.502	2.501	0.001
10	34	2.501	2.500	0.001
10	35	2.498	2.497	0.001
30	36	2.505	2.498	0.007
30	37	2.504	2.497	0.007
30	38	2.507	2.501	0.006
30	39	2.502	2.497	0.005
30	40	2.505	2.498	0.007
50	41	2.525	2.499	0.026
50	42	2.520	2.499	0.021
50	43	2.524	2.500	0.024
50	44	2.525	2.499	0.026
50	45	2.523	2.501	0.022
100	46	2.655	2.501	0.154
100	47	2.654	2.500	0.154
100	48	2.637	2.498	0.139
100	49	2.646	2.498	0.148
100	50	2.662	2.499	0.163
0	51	2.500	2.500	0.000
	Max	2.662	2.501	0.163
	Average	2.534	2.499	0.035
	Min	2.496	2.496	0.000
	Std Dev	0.059	0.002	0.059



	29000011:internalRef2_FS	
Test Site		
Tester		
Test Number		
Max Limit	2.665	V
Min Limit	2.484	V

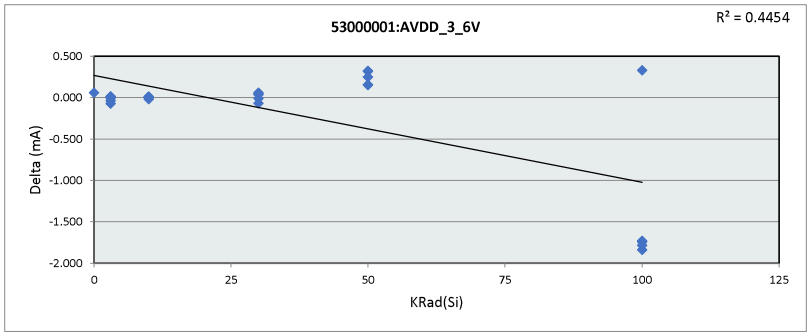
KRad(Si)	0	3	10	30	50	100
LL	2.484	2.484	2.484	2.484	2.484	2.484
Min	2.500	2.496	2.497	2.497	2.499	2.498
Average	2.500	2.497	2.499	2.498	2.500	2.499
Max	2.500	2.498	2.501	2.501	2.501	2.501
UL	2.665	2.665	2.665	2.665	2.665	2.665



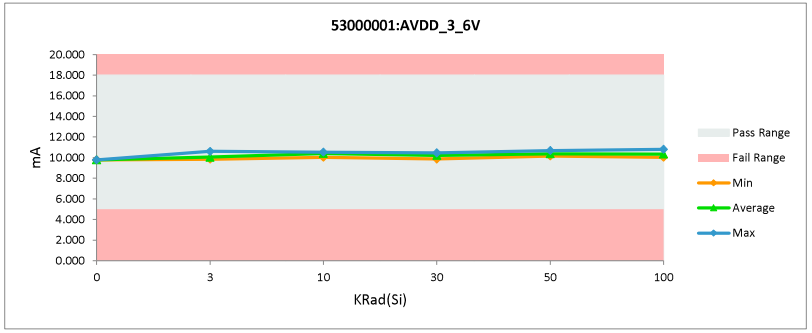
TID-LDR Biased Report
ADC168M102R-SP

	53000001:AVDD_3_6V	
Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	18	18
Min Limit	5	5

KRad(Si)	Serial #	postrad	prerad	Delta
3	26	9.837	9.841	-0.004
3	27	9.963	9.949	0.014
3	28	10.531	10.603	-0.072
3	29	9.815	9.852	-0.037
3	30	10.033	10.019	0.014
10	31	10.420	10.414	0.006
10	32	10.033	10.032	0.001
10	33	10.518	10.536	-0.018
10	34	10.550	10.535	0.015
10	35	10.539	10.533	0.006
30	36	10.042	9.982	0.060
30	37	10.306	10.372	-0.066
30	38	10.363	10.374	-0.011
30	39	9.916	9.869	0.047
30	40	10.500	10.465	0.035
50	41	10.922	10.600	0.322
50	42	10.476	10.224	0.252
50	43	10.309	10.155	0.154
50	44	10.395	10.236	0.159
50	45	10.993	10.674	0.319
100	46	8.227	10.065	-1.838
100	47	10.357	10.024	0.333
100	48	8.803	10.531	-1.728
100	49	9.065	10.806	-1.741
100	50	8.526	10.307	-1.781
0	51	9.848	9.787	0.061
	Max	10.993	10.806	0.333
	Average	10.049	10.261	-0.211
	Min	8.227	9.787	-1.838
	Std Dev	0.690	0.297	0.689



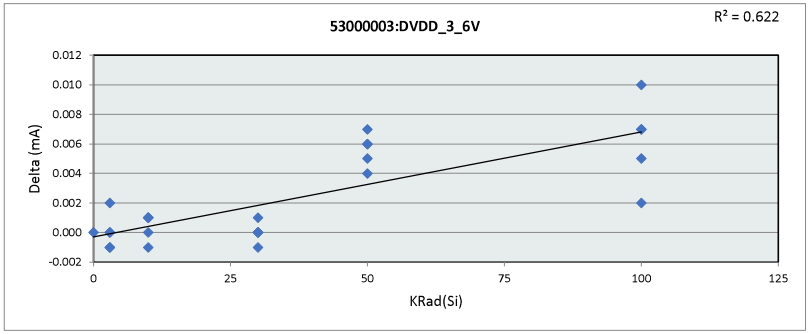
	53000001:AVDD_3_6V					
Test Site						
Tester						
Test Number						
Max Limit	18	mA				
Min Limit	5	mA				
KRad(Si)	0	3	10	30	50	100
LL	5.000	5.000	5.000	5.000	5.000	5.000
Min	9.787	9.841	10.032	9.869	10.155	10.024
Average	9.787	10.053	10.410	10.212	10.378	10.347
Max	9.787	10.603	10.536	10.465	10.674	10.806
UL	18.000	18.000	18.000	18.000	18.000	18.000



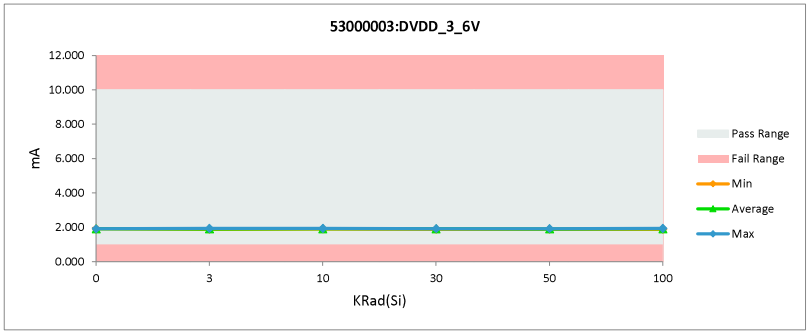
TID-LDR Biased Report
ADC168M102R-SP

	53000003:DVDD_3_6V	
Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	10	10
Min Limit	1	1

KRad(Si)	Serial #	postrad	prerad	Delta
3	26	1.930	1.930	0.000
3	27	1.887	1.888	-0.001
3	28	1.889	1.890	-0.001
3	29	1.899	1.899	0.000
3	30	1.895	1.893	0.002
10	31	1.895	1.894	0.001
10	32	1.907	1.908	-0.001
10	33	1.934	1.933	0.001
10	34	1.901	1.900	0.001
10	35	1.911	1.911	0.000
30	36	1.908	1.908	0.000
30	37	1.898	1.898	0.000
30	38	1.889	1.890	-0.001
30	39	1.920	1.919	0.001
30	40	1.909	1.909	0.000
50	41	1.906	1.900	0.006
50	42	1.904	1.898	0.006
50	43	1.897	1.890	0.007
50	44	1.907	1.903	0.004
50	45	1.921	1.916	0.005
100	46	1.888	1.886	0.002
100	47	1.892	1.885	0.007
100	48	1.900	1.895	0.005
100	49	1.938	1.928	0.010
100	50	1.939	1.932	0.007
0	51	1.910	1.910	0.000
	Max	1.939	1.933	0.010
	Average	1.907	1.904	0.002
	Min	1.887	1.885	-0.001
	Std Dev	0.015	0.015	0.003



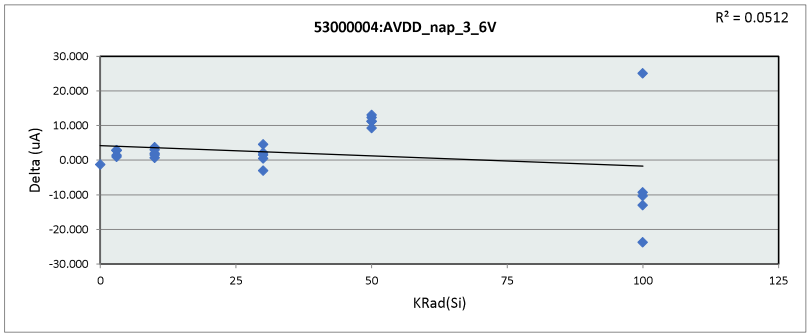
	53000003:DVDD_3_6V					
Test Site						
Tester						
Test Number						
Max Limit	10	mA				
Min Limit	1	mA				
KRad(Si)	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	1.910	1.888	1.894	1.890	1.890	1.885
Average	1.910	1.900	1.909	1.905	1.901	1.905
Max	1.910	1.930	1.933	1.919	1.916	1.932
UL	10.000	10.000	10.000	10.000	10.000	10.000



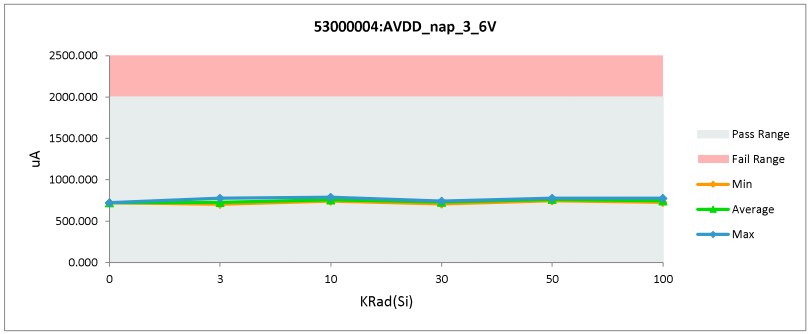
TID-LDR Biased Report
ADC168M102R-SP

	53000004:AVDD_nap_3_6V	
Test Site		
Tester		
Test Number		
Unit	uA	uA
Max Limit	2000	2000
Min Limit	0	0

KRad(Si)	Serial #	postrad	prerad	Delta
3	26	712.691	711.303	1.388
3	27	722.259	719.414	2.845
3	28	778.916	777.919	0.997
3	29	707.718	704.914	2.804
3	30	721.480	718.525	2.955
10	31	749.704	746.669	3.035
10	32	744.263	740.544	3.719
10	33	754.451	752.862	1.589
10	34	789.712	788.975	0.737
10	35	765.572	763.554	2.018
30	36	732.597	730.432	2.165
30	37	734.426	737.463	-3.037
30	38	737.056	735.483	1.573
30	39	711.052	706.509	4.543
30	40	744.762	744.257	0.505
50	41	778.684	766.322	12.362
50	42	780.175	767.072	13.103
50	43	769.916	760.633	9.283
50	44	759.779	748.568	11.211
50	45	790.745	779.469	11.276
100	46	704.153	727.788	-23.635
100	47	757.279	732.187	25.092
100	48	729.170	742.142	-12.972
100	49	750.213	759.533	-9.320
100	50	766.573	776.874	-10.301
0	51	721.642	722.859	-1.217
	Max	790.745	788.975	25.092
	Average	746.730	744.703	2.028
	Min	704.153	704.914	-23.635
	Std Dev	26.080	23.628	9.386



	53000004:AVDD_nap_3_6V					
Test Site						
Tester						
Test Number						
Max Limit	2000	uA				
Min Limit	0	uA				
KRad(Si)	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	722.859	704.914	740.544	706.509	748.568	727.788
Average	722.859	726.415	758.521	730.829	764.413	747.705
Max	722.859	777.919	788.975	744.257	779.469	776.874
UL	2000.000	2000.000	2000.000	2000.000	2000.000	2000.000



C LDR Unbiased Report

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TID-LDR Unbiased Report
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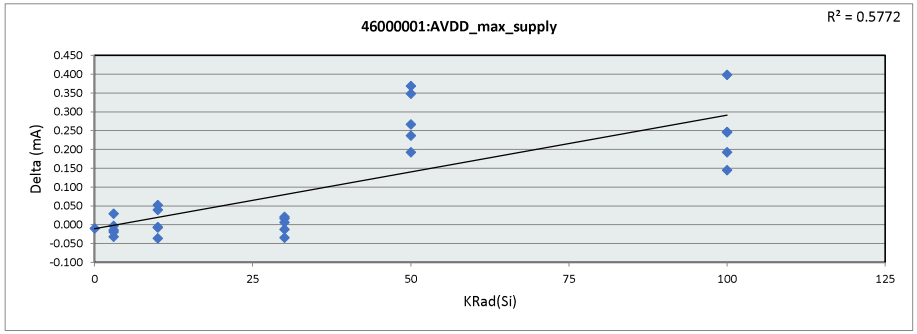
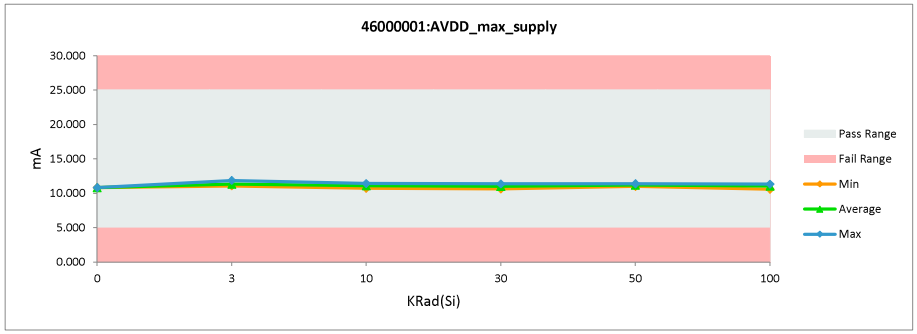
	46000001:AVDD_max_supply	
Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	25	25
Min Limit	5	5

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	11.380	11.394	-0.014
3	2	11.059	11.091	-0.032
3	3	11.267	11.286	-0.019
3	4	11.897	11.868	0.029
3	5	11.074	11.077	-0.003
10	6	11.016	11.052	-0.036
10	7	11.260	11.267	-0.007
10	8	11.465	11.413	0.052
10	9	11.142	11.148	-0.006
10	10	10.757	10.717	0.040
30	11	10.670	10.649	0.021
30	12	11.335	11.369	-0.034
30	13	11.086	11.080	0.006
30	14	11.184	11.196	-0.012
30	15	10.768	10.751	0.017
50	16	11.597	11.404	0.193
50	17	11.486	11.249	0.237
50	18	11.471	11.123	0.348
50	19	11.261	10.994	0.267
50	20	11.660	11.291	0.369
100	21	10.840	10.594	0.246
100	22	11.495	11.249	0.246
100	23	11.542	11.349	0.193
100	24	11.234	11.089	0.145
100	25	11.402	11.004	0.398
0	26	10.820	10.830	-0.010
	Max	11.897	11.868	0.398
	Average	11.237	11.136	0.101
	Min	10.670	10.594	-0.036
	Std Dev	0.308	0.279	0.142



	46000001:AVDD_max_supply					
Test Site						
Tester						
Test Number						
Max Limit	25	mA				
Min Limit	5	mA				
KRad(Si)	0	3	10	30	50	100
LL	5.000	5.000	5.000	5.000	5.000	5.000
Min	10.830	11.077	10.717	10.649	10.994	10.594
Average	10.830	11.343	11.119	11.009	11.212	11.057
Max	10.830	11.868	11.413	11.369	11.404	11.349
UL	25.000	25.000	25.000	25.000	25.000	25.000



TID-LDR Unbiased Report
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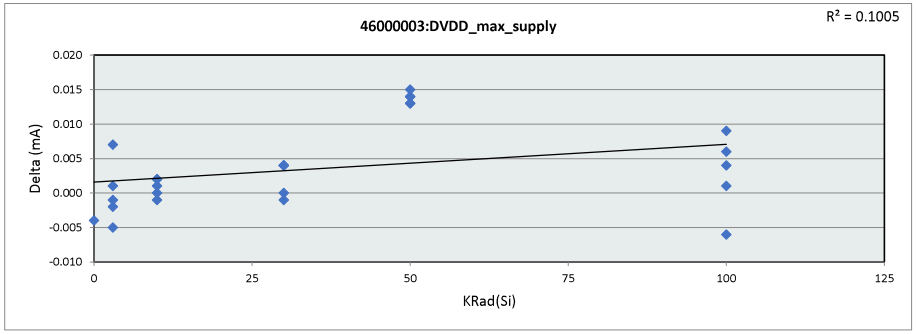
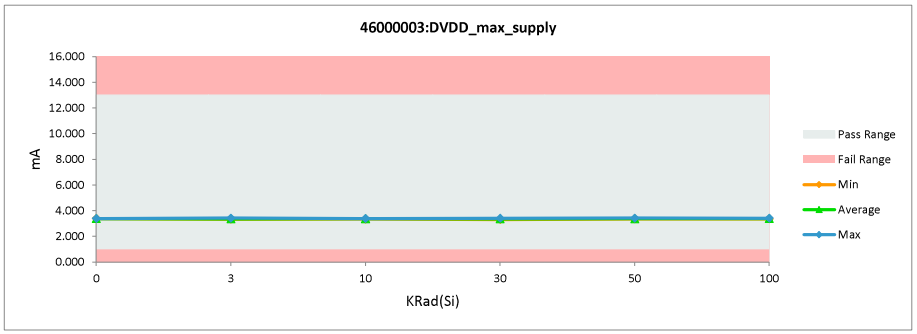
	46000003:DVDD_max_supply	
Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	13	13
Min Limit	1	1

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	3.367	3.366	0.001
3	2	3.404	3.405	-0.001
3	3	3.320	3.325	-0.005
3	4	3.416	3.418	-0.002
3	5	3.331	3.324	0.007
10	6	3.392	3.390	0.002
10	7	3.367	3.366	0.001
10	8	3.392	3.392	0.000
10	9	3.342	3.340	0.002
10	10	3.384	3.385	-0.001
30	11	3.343	3.339	0.004
30	12	3.393	3.394	-0.001
30	13	3.376	3.376	0.000
30	14	3.404	3.400	0.004
30	15	3.313	3.309	0.004
50	16	3.380	3.366	0.014
50	17	3.388	3.375	0.013
50	18	3.384	3.370	0.014
50	19	3.427	3.414	0.013
50	20	3.397	3.382	0.015
100	21	3.428	3.419	0.009
100	22	3.388	3.387	0.001
100	23	3.416	3.410	0.006
100	24	3.367	3.363	0.004
100	25	3.361	3.367	-0.006
0	26	3.390	3.394	-0.004
	Max	3.428	3.419	0.015
	Average	3.380	3.376	0.004
	Min	3.313	3.309	-0.006
	Std Dev	0.031	0.030	0.006



	46000003:DVDD_max_supply					
Test Site						
Tester						
Test Number						
Max Limit	13	mA				
Min Limit	1	mA				
KRad(Si)	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	3.394	3.324	3.340	3.309	3.366	3.363
Average	3.394	3.368	3.375	3.364	3.381	3.389
Max	3.394	3.418	3.392	3.400	3.414	3.419
UL	13.000	13.000	13.000	13.000	13.000	13.000



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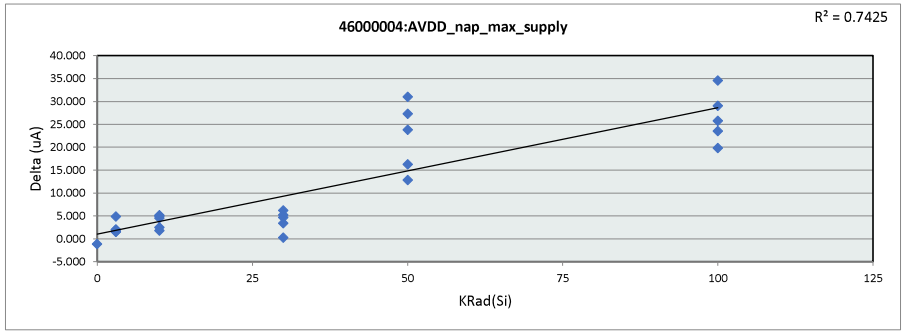
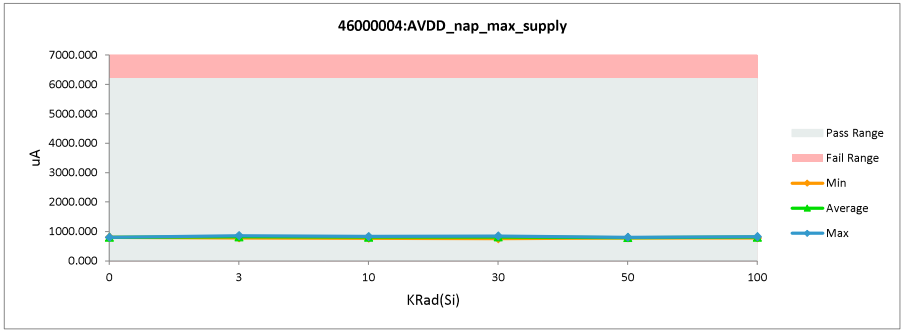
	46000004:AVDD_nap_max_supp	
Test Site		
Tester		
Test Number		
Unit	uA	uA
Max Limit	6200	6200
Min Limit	0	0

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	810.603	808.612	1.991
3	2	781.587	779.579	2.008
3	3	844.128	842.635	1.493
3	4	863.541	858.647	4.894
3	5	800.665	799.103	1.562
10	6	833.054	831.252	1.802
10	7	826.193	821.646	4.547
10	8	814.823	809.671	5.152
10	9	798.596	796.105	2.491
10	10	773.548	768.618	4.930
30	11	803.325	797.105	6.220
30	12	849.386	849.130	0.256
30	13	809.947	805.321	4.626
30	14	852.159	848.786	3.373
30	15	764.660	759.436	5.224
50	16	817.439	804.632	12.807
50	17	813.456	797.223	16.233
50	18	827.156	796.149	31.007
50	19	806.492	782.690	23.802
50	20	820.141	792.899	27.242
100	21	816.281	781.738	34.543
100	22	840.102	814.341	25.761
100	23	845.835	822.332	23.503
100	24	833.837	813.995	19.842
100	25	839.202	810.164	29.038
0	26	801.811	802.931	-1.120
	Max	863.541	858.647	34.543
	Average	818.768	807.490	11.278
	Min	764.660	759.436	-1.120
	Std Dev	24.353	24.532	11.410



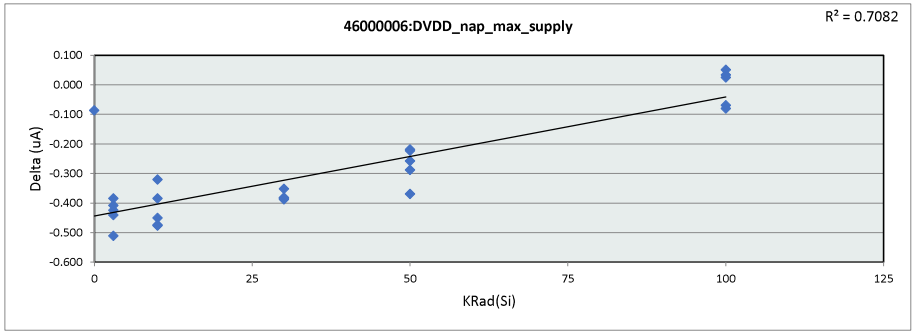
	46000004:AVDD_nap_max_su					
Test Site						
Tester						
Test Number						
Max Limit	6200	uA				
Min Limit	0	uA				
KRad(Si)	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	802.931	779.579	768.618	759.436	782.690	781.738
Average	802.931	817.715	805.458	811.956	794.719	808.514
Max	802.931	858.647	831.252	849.130	804.632	822.332
UL	6200.000	6200.000	6200.000	6200.000	6200.000	6200.000



TID-LDR Unbiased Report
ADC168M102R-SP

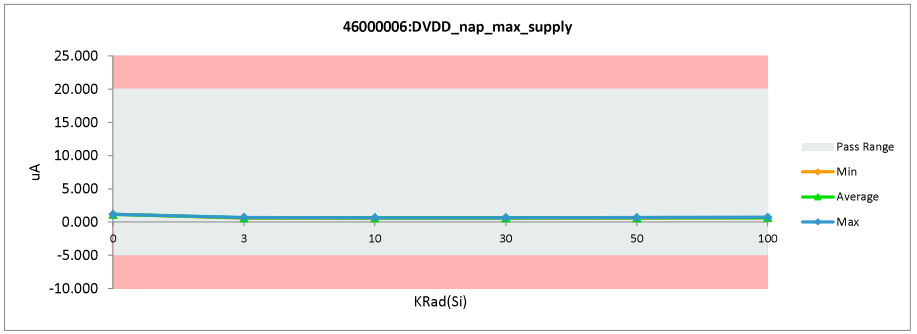
	46000006:DVDD_nap_max_supp	
Test Site		
Tester		
Test Number		
Unit	uA	uA
Max Limit	20	20
Min Limit	-5	-5

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	0.204	0.645	-0.441
3	2	0.211	0.619	-0.408
3	3	0.304	0.688	-0.384
3	4	0.191	0.616	-0.425
3	5	0.157	0.668	-0.511
10	6	0.227	0.678	-0.451
10	7	0.206	0.680	-0.474
10	8	0.193	0.670	-0.477
10	9	0.260	0.580	-0.320
10	10	0.252	0.636	-0.384
30	11	0.257	0.644	-0.387
30	12	0.247	0.629	-0.382
30	13	0.296	0.678	-0.382
30	14	0.234	0.586	-0.352
30	15	0.257	0.641	-0.384
50	16	0.366	0.654	-0.288
50	17	0.361	0.619	-0.258
50	18	0.306	0.675	-0.369
50	19	0.396	0.614	-0.218
50	20	0.373	0.596	-0.223
100	21	0.679	0.645	0.034
100	22	0.690	0.639	0.051
100	23	0.738	0.713	0.025
100	24	0.623	0.703	-0.080
100	25	0.612	0.681	-0.069
0	26	1.076	1.163	-0.087
	Max	1.076	1.163	0.051
	Average	0.374	0.668	-0.294
	Min	0.157	0.580	-0.511
	Std Dev	0.225	0.107	0.171



	46000006:DVDD_nap_max_su	
Test Site		
Tester		
Test Number		
Max Limit	20	uA
Min Limit	-5	uA

KRad(Si)	0	3	10	30	50	100
LL	-5.000	-5.000	-5.000	-5.000	-5.000	-5.000
Min	1.163	0.616	0.580	0.586	0.596	0.639
Average	1.163	0.647	0.649	0.636	0.632	0.676
Max	1.163	0.688	0.680	0.678	0.675	0.713
UL	20.000	20.000	20.000	20.000	20.000	20.000



TID-LDR Unbiased Report
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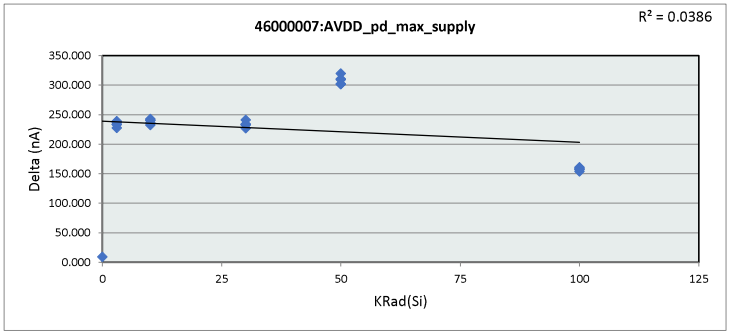
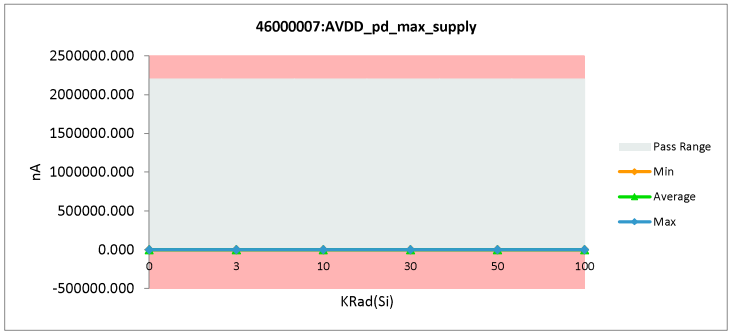
	46000007:AVDD_pd_max_supply	
Test Site		
Tester		
Test Number		
Unit	nA	nA
Max Limit	2200000	2200000
Min Limit	-5000	-5000

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	451.210	223.731	227.479
3	2	440.364	203.853	236.511
3	3	444.144	210.917	233.227
3	4	439.378	200.239	239.139
3	5	456.633	223.403	233.230
10	6	443.815	211.081	232.734
10	7	456.633	215.846	240.787
10	8	455.319	212.724	242.595
10	9	438.885	202.539	236.346
10	10	449.567	208.946	240.621
30	11	450.717	224.060	226.657
30	12	451.210	216.831	234.379
30	13	439.050	205.989	233.061
30	14	455.154	213.874	241.280
30	15	434.284	201.389	232.895
50	16	499.003	197.446	301.557
50	17	520.490	211.246	309.244
50	18	523.176	212.889	310.287
50	19	506.893	205.003	301.890
50	20	518.476	198.760	319.716
100	21	348.253	194.489	153.764
100	22	341.025	183.811	157.214
100	23	357.617	196.625	160.992
100	24	371.088	212.067	159.021
100	25	351.703	193.668	158.035
0	26	513.413	504.378	9.035
	Max	523.176	504.378	319.716
	Average	444.519	218.685	225.834
	Min	341.025	183.811	9.035
	Std Dev	53.463	59.108	65.204



	46000007:AVDD_pd_max_supply	
Test Site		
Tester		
Test Number		
Max Limit	2200000	nA
Min Limit	-5000	nA

KRad(Si)	0	3	10	30	50	100
LL	-5000.000	-5000.000	-5000.000	-5000.000	-5000.000	-5000.000
Min	504.378	200.239	202.539	201.389	197.446	183.811
Average	504.378	212.429	210.227	212.429	205.069	196.132
Max	504.378	223.731	215.846	224.060	212.889	212.067
UL	2200000.000	2200000.000	2200000.000	2200000.000	2200000.000	2200000.000



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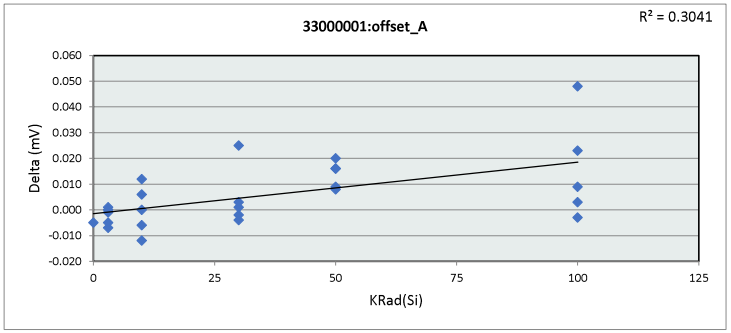
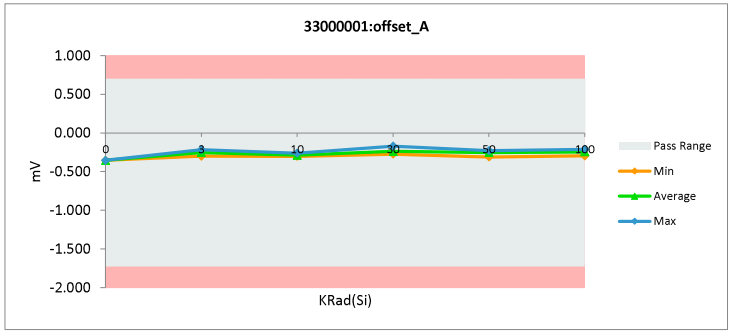
	33000001:offset_A	
Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	0.695	0.695
Min Limit	-1.726	-1.726

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	-0.307	-0.302	-0.005
3	2	-0.229	-0.228	-0.001
3	3	-0.216	-0.217	0.001
3	4	-0.282	-0.275	-0.007
3	5	-0.250	-0.250	0.000
10	6	-0.267	-0.261	-0.006
10	7	-0.294	-0.294	0.000
10	8	-0.297	-0.303	0.006
10	9	-0.290	-0.302	0.012
10	10	-0.294	-0.282	-0.012
30	11	-0.235	-0.260	0.025
30	12	-0.238	-0.236	-0.002
30	13	-0.255	-0.251	-0.004
30	14	-0.271	-0.274	0.003
30	15	-0.171	-0.172	0.001
50	16	-0.304	-0.312	0.008
50	17	-0.213	-0.229	0.016
50	18	-0.246	-0.262	0.016
50	19	-0.215	-0.235	0.020
50	20	-0.220	-0.229	0.009
100	21	-0.209	-0.212	0.003
100	22	-0.221	-0.230	0.009
100	23	-0.245	-0.242	-0.003
100	24	-0.248	-0.296	0.048
100	25	-0.213	-0.236	0.023
0	26	-0.360	-0.355	-0.005
	Max	-0.171	-0.172	0.048
	Average	-0.253	-0.259	0.006
	Min	-0.360	-0.355	-0.012
	Std Dev	0.041	0.039	0.013



	33000001:offset_A					
Test Site						
Tester						
Test Number						
Max Limit	0.695	mV				
Min Limit	-1.726	mV				
KRad(Si)	0	3	10	30	50	100
LL	-1.726	-1.726	-1.726	-1.726	-1.726	-1.726
Min	-0.355	-0.302	-0.303	-0.274	-0.312	-0.296
Average	-0.355	-0.254	-0.288	-0.239	-0.253	-0.243
Max	-0.355	-0.217	-0.261	-0.172	-0.229	-0.212
UL	0.695	0.695	0.695	0.695	0.695	0.695



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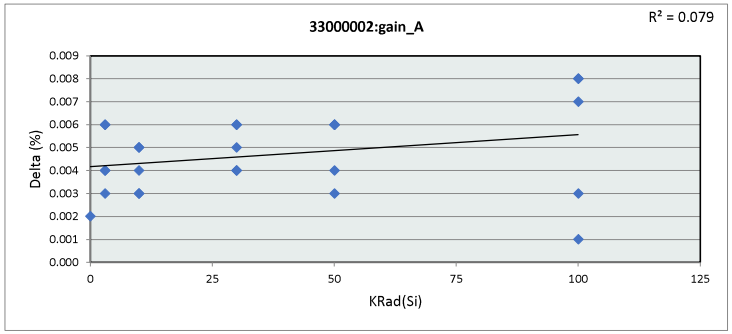
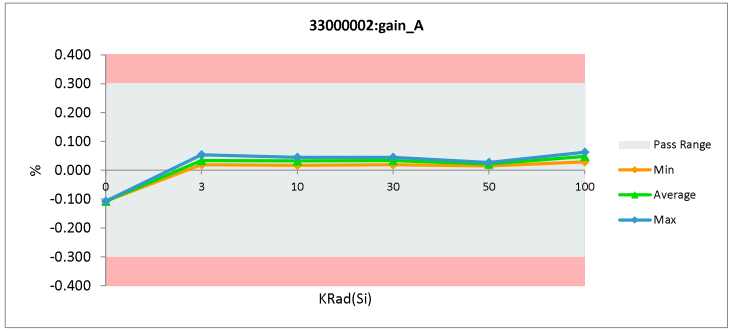
	33000002:gain_A	
Test Site		
Tester		
Test Number		
Unit	%	%
Max Limit	0.3	0.3
Min Limit	-0.3	-0.3

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	0.045	0.039	0.006
3	2	0.058	0.054	0.004
3	3	0.033	0.030	0.003
3	4	0.032	0.026	0.006
3	5	0.023	0.019	0.004
10	6	0.044	0.039	0.005
10	7	0.032	0.029	0.003
10	8	0.048	0.045	0.003
10	9	0.036	0.031	0.005
10	10	0.021	0.017	0.004
30	11	0.038	0.033	0.005
30	12	0.039	0.035	0.004
30	13	0.025	0.019	0.006
30	14	0.037	0.033	0.004
30	15	0.051	0.045	0.006
50	16	0.033	0.027	0.006
50	17	0.026	0.020	0.006
50	18	0.021	0.015	0.006
50	19	0.022	0.019	0.003
50	20	0.030	0.026	0.004
100	21	0.040	0.032	0.008
100	22	0.067	0.059	0.008
100	23	0.062	0.055	0.007
100	24	0.030	0.029	0.001
100	25	0.066	0.063	0.003
0	26	-0.105	-0.107	0.002
	Max	0.067	0.063	0.008
	Average	0.033	0.028	0.005
	Min	-0.105	-0.107	0.001
	Std Dev	0.031	0.031	0.002



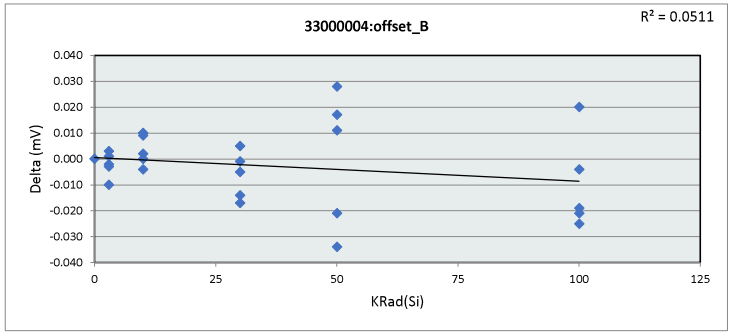
	33000002:gain_A					
Test Site						
Tester						
Test Number						
Max Limit	0.3	%				
Min Limit	-0.3	%				
KRad(Si)	0	3	10	30	50	100
LL	-0.300	-0.300	-0.300	-0.300	-0.300	-0.300
Min	-0.107	0.019	0.017	0.019	0.015	0.029
Average	-0.107	0.034	0.032	0.033	0.021	0.048
Max	-0.107	0.054	0.045	0.045	0.027	0.063
UL	0.300	0.300	0.300	0.300	0.300	0.300



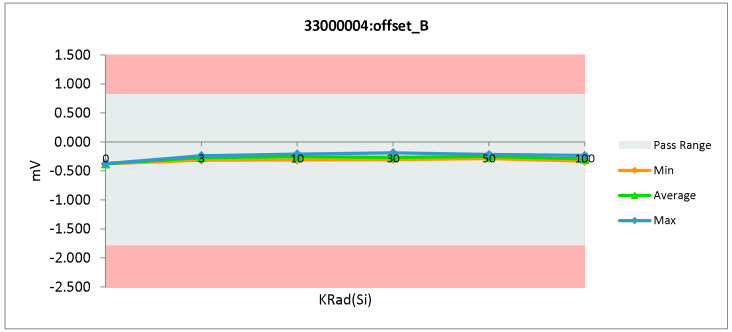
TID-LDR Unbiased Report
ADC168M102R-SP

	33000004:offset_B	
Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	0.818	0.818
Min Limit	-1.779	-1.779

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	-0.250	-0.240	-0.010
3	2	-0.313	-0.314	0.001
3	3	-0.240	-0.238	-0.002
3	4	-0.239	-0.242	0.003
3	5	-0.317	-0.314	-0.003
10	6	-0.310	-0.310	0.000
10	7	-0.238	-0.240	0.002
10	8	-0.199	-0.209	0.010
10	9	-0.219	-0.228	0.009
10	10	-0.283	-0.279	-0.004
30	11	-0.265	-0.270	0.005
30	12	-0.276	-0.275	-0.001
30	13	-0.313	-0.299	-0.014
30	14	-0.205	-0.188	-0.017
30	15	-0.310	-0.305	-0.005
50	16	-0.246	-0.274	0.028
50	17	-0.306	-0.285	-0.021
50	18	-0.222	-0.233	0.011
50	19	-0.251	-0.217	-0.034
50	20	-0.210	-0.227	0.017
100	21	-0.253	-0.234	-0.019
100	22	-0.308	-0.304	-0.004
100	23	-0.292	-0.312	0.020
100	24	-0.356	-0.335	-0.021
100	25	-0.318	-0.293	-0.025
0	26	-0.377	-0.377	0.000
	Max	-0.199	-0.188	0.028
	Average	-0.274	-0.271	-0.003
	Min	-0.377	-0.377	-0.034
	Std Dev	0.047	0.045	0.015



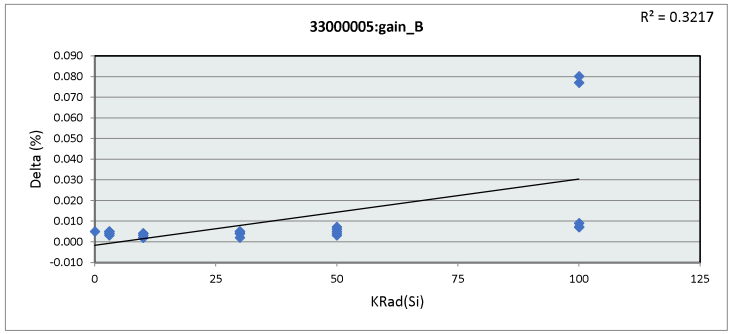
	33000004:offset_B					
Test Site						
Tester						
Test Number						
Max Limit	0.818	mV				
Min Limit	-1.779	mV				
KRad(Si)	0	3	10	30	50	100
LL	-1.779	-1.779	-1.779	-1.779	-1.779	-1.779
Min	-0.377	-0.314	-0.310	-0.305	-0.285	-0.335
Average	-0.377	-0.270	-0.253	-0.267	-0.247	-0.296
Max	-0.377	-0.238	-0.209	-0.188	-0.217	-0.234
UL	0.818	0.818	0.818	0.818	0.818	0.818



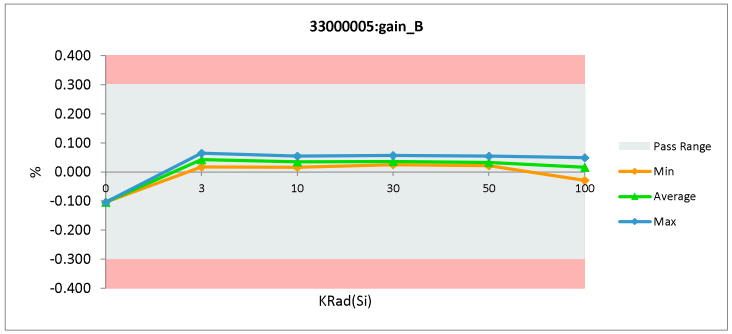
TID-LDR Unbiased Report
ADC168M102R-SP

	33000005:gain_B	
Test Site		
Tester		
Test Number		
Unit	%	%
Max Limit	0.3	0.3
Min Limit	-0.3	-0.3

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	0.070	0.065	0.005
3	2	0.021	0.017	0.004
3	3	0.056	0.053	0.003
3	4	0.038	0.033	0.005
3	5	0.049	0.045	0.004
10	6	0.025	0.023	0.002
10	7	0.058	0.055	0.003
10	8	0.020	0.016	0.004
10	9	0.049	0.045	0.004
10	10	0.034	0.032	0.002
30	11	0.037	0.032	0.005
30	12	0.040	0.038	0.002
30	13	0.033	0.029	0.004
30	14	0.029	0.025	0.004
30	15	0.062	0.057	0.005
50	16	0.030	0.023	0.007
50	17	0.059	0.054	0.005
50	18	0.041	0.035	0.006
50	19	0.024	0.021	0.003
50	20	0.032	0.028	0.004
100	21	0.030	0.021	0.009
100	22	0.056	0.049	0.007
100	23	0.056	0.049	0.007
100	24	0.065	-0.012	0.077
100	25	0.051	-0.029	0.080
0	26	-0.099	-0.104	0.005
	Max	0.070	0.065	0.080
	Average	0.037	0.027	0.010
	Min	-0.099	-0.104	0.002
	Std Dev	0.031	0.034	0.020



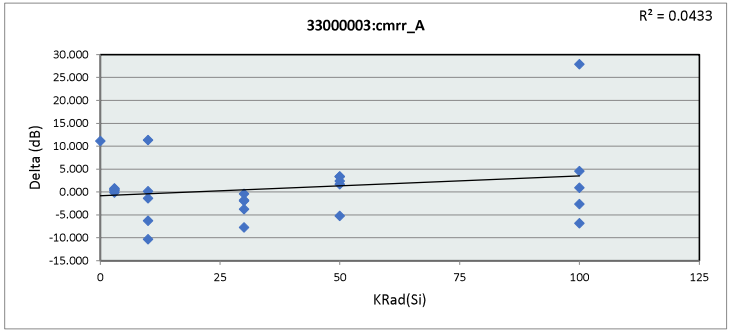
	33000005:gain_B					
Test Site						
Tester						
Test Number						
Max Limit	0.3	%				
Min Limit	-0.3	%				
KRad(Si)	0	3	10	30	50	100
LL	-0.300	-0.300	-0.300	-0.300	-0.300	-0.300
Min	-0.104	0.017	0.016	0.025	0.021	-0.029
Average	-0.104	0.043	0.034	0.036	0.032	0.016
Max	-0.104	0.065	0.055	0.057	0.054	0.049
UL	0.300	0.300	0.300	0.300	0.300	0.300



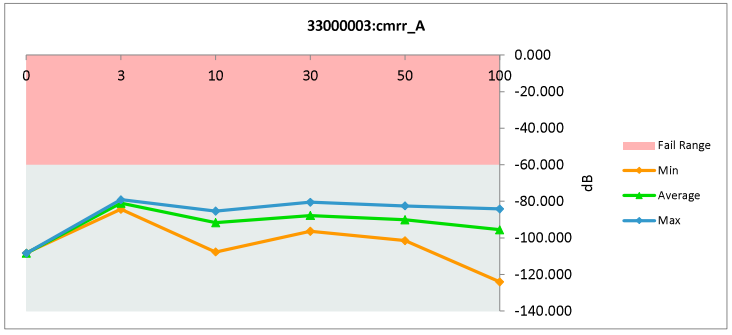
TID-LDR Unbiased Report
ADC168M102R-SP

	33000003:cmrr_A	
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-60	-60
Min Limit		

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	-78.400	-79.084	0.684
3	2	-84.036	-84.367	0.331
3	3	-80.641	-81.094	0.453
3	4	-80.210	-80.090	-0.120
3	5	-79.601	-80.422	0.821
10	6	-101.429	-91.140	-10.289
10	7	-96.393	-107.739	11.346
10	8	-86.137	-86.316	0.179
10	9	-91.576	-85.287	-6.289
10	10	-88.753	-87.414	-1.339
30	11	-84.225	-80.484	-3.741
30	12	-96.789	-96.397	-0.392
30	13	-100.764	-93.021	-7.743
30	14	-87.625	-85.729	-1.896
30	15	-84.766	-83.023	-1.743
50	16	-79.078	-82.460	3.382
50	17	-92.987	-95.426	2.439
50	18	-81.220	-84.613	3.393
50	19	-106.774	-101.526	-5.248
50	20	-84.453	-86.136	1.683
100	21	-97.656	-90.859	-6.797
100	22	-96.215	-124.100	27.885
100	23	-84.581	-89.162	4.581
100	24	-86.774	-84.128	-2.646
100	25	-88.541	-89.506	0.965
0	26	-97.188	-108.367	11.179
	Max	-78.400	-79.084	27.885
	Average	-89.108	-89.919	0.811
	Min	-106.774	-124.100	-10.289
	Std Dev	7.920	10.555	7.424



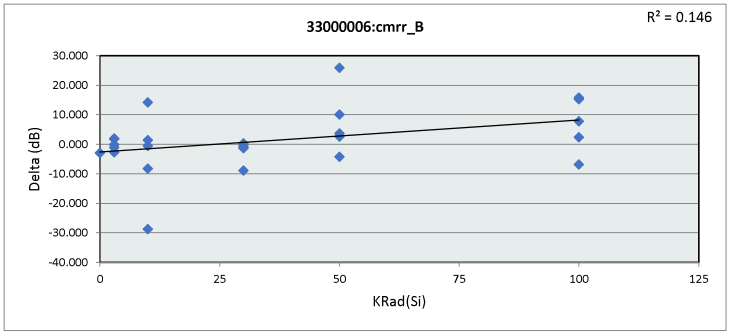
	33000003:cmrr_A					
Test Site						
Tester						
Test Number						
Max Limit	-60	dB				
Min Limit		dB				
KRad(Si)	0	3	10	30	50	100
LL						
Min	-108.367	-84.367	-107.739	-96.397	-101.526	-124.100
Average	-108.367	-81.011	-91.579	-87.731	-90.032	-95.551
Max	-108.367	-79.084	-85.287	-80.484	-82.460	-84.128
UL	-60.000	-60.000	-60.000	-60.000	-60.000	-60.000



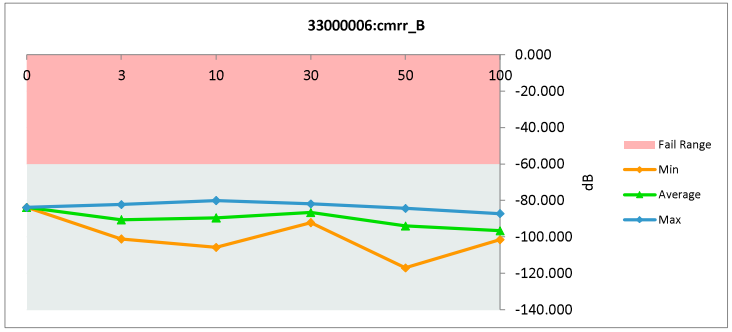
TID-LDR Unbiased Report
ADC168M102R-SP

	33000006:cmrr_B	
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-60	-60
Min Limit		

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	-86.943	-86.883	-0.060
3	2	-85.021	-82.270	-2.751
3	3	-96.718	-98.764	2.046
3	4	-85.179	-84.084	-1.095
3	5	-99.268	-101.082	1.814
10	6	-91.620	-105.820	14.200
10	7	-94.131	-85.962	-8.169
10	8	-116.892	-88.134	-28.758
10	9	-86.222	-87.649	1.427
10	10	-80.578	-80.064	-0.514
30	11	-83.064	-82.660	-0.404
30	12	-83.064	-81.825	-1.239
30	13	-91.679	-92.032	0.353
30	14	-85.258	-84.242	-1.016
30	15	-101.057	-92.149	-8.908
50	16	-90.248	-86.040	-4.208
50	17	-81.240	-91.356	10.116
50	18	-91.062	-117.048	25.986
50	19	-87.029	-90.762	3.733
50	20	-81.798	-84.419	2.621
100	21	-84.185	-99.563	15.378
100	22	-94.016	-87.234	-6.782
100	23	-96.968	-99.377	2.409
100	24	-87.358	-95.142	7.784
100	25	-85.683	-101.533	15.850
0	26	-86.641	-83.818	-2.823
	Max	-80.578	-80.064	25.986
	Average	-89.728	-91.150	1.423
	Min	-116.892	-117.048	-28.758
	Std Dev	7.914	8.882	10.135



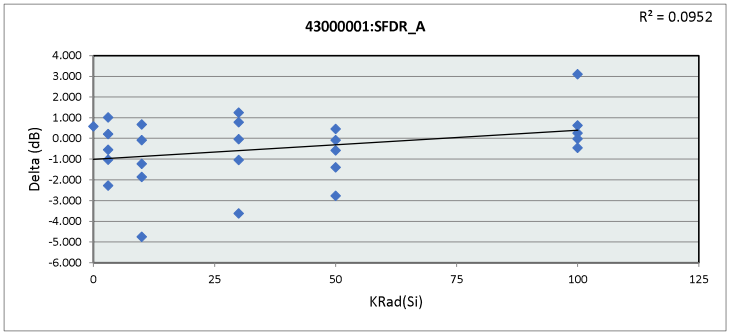
	33000006:cmrr_B					
Test Site						
Tester						
Test Number						
Max Limit	-60	dB				
Min Limit		dB				
KRad(Si)	0	3	10	30	50	100
LL						
Min	-83.818	-101.082	-105.820	-92.149	-117.048	-101.533
Average	-83.818	-90.617	-89.526	-86.582	-93.925	-96.570
Max	-83.818	-82.270	-80.064	-81.825	-84.419	-87.234
UL	-60.000	-60.000	-60.000	-60.000	-60.000	-60.000



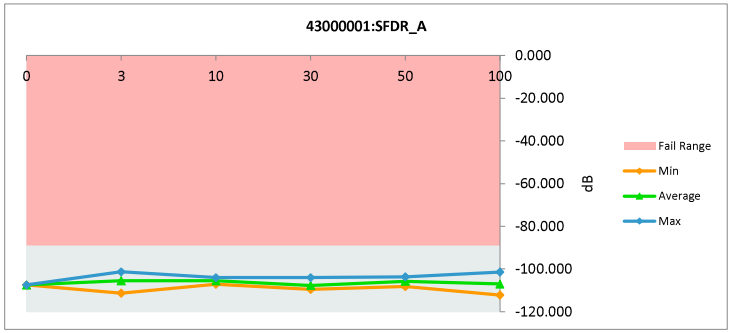
TID-LDR Unbiased Report
ADC168M102R-SP

	43000001:SFDR_A	
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-89	-89
Min Limit		

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	-109.930	-108.911	-1.019
3	2	-101.437	-101.647	0.210
3	3	-104.591	-104.052	-0.539
3	4	-100.269	-101.283	1.014
3	5	-113.616	-111.340	-2.276
10	6	-107.057	-105.830	-1.227
10	7	-106.476	-106.395	-0.081
10	8	-106.209	-104.363	-1.846
10	9	-111.907	-107.169	-4.738
10	10	-103.387	-104.055	0.668
30	11	-108.430	-109.218	0.788
30	12	-109.418	-108.370	-1.048
30	13	-108.366	-109.616	1.250
30	14	-110.666	-107.045	-3.621
30	15	-104.058	-104.027	-0.031
50	16	-107.080	-105.687	-1.393
50	17	-111.042	-108.279	-2.763
50	18	-107.101	-107.020	-0.081
50	19	-103.183	-103.652	0.469
50	20	-104.714	-104.142	-0.572
100	21	-109.643	-109.909	0.266
100	22	-103.147	-103.768	0.621
100	23	-108.093	-107.640	-0.453
100	24	-101.453	-101.424	-0.029
100	25	-109.060	-112.170	3.110
0	26	-106.823	-107.397	0.574
	Max	-100.269	-101.283	3.110
	Average	-106.814	-106.323	-0.490
	Min	-113.616	-112.170	-4.738
	Std Dev	3.450	2.970	1.629



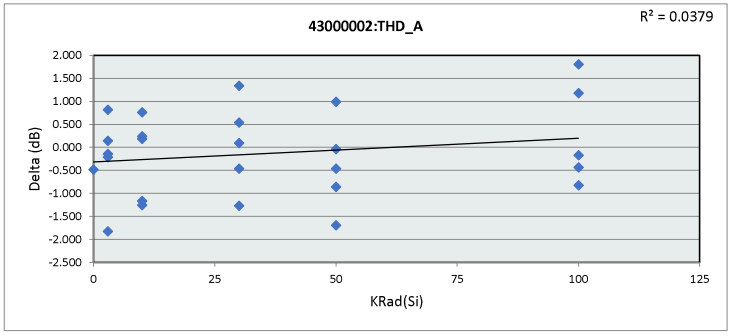
	43000001:SFDR_A					
Test Site						
Tester						
Test Number						
Max Limit	-89	dB				
Min Limit		dB				
KRad(Si)	0	3	10	30	50	100
LL						
Min	-107.397	-111.340	-107.169	-109.616	-108.279	-112.170
Average	-107.397	-105.447	-105.562	-107.655	-105.756	-106.982
Max	-107.397	-101.283	-104.055	-104.027	-103.652	-101.424
UL	-89.000	-89.000	-89.000	-89.000	-89.000	-89.000



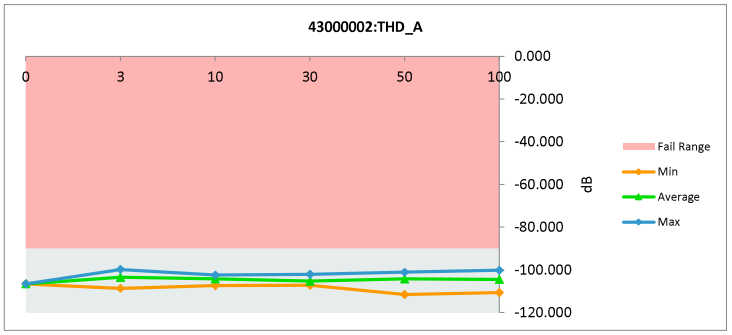
TID-LDR Unbiased Report
ADC168M102R-SP

	43000002:THD_A	
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-90	-90
Min Limit		

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	-107.115	-107.259	0.144
3	2	-100.023	-99.811	-0.212
3	3	-101.900	-101.756	-0.144
3	4	-98.973	-99.790	0.817
3	5	-110.478	-108.653	-1.825
10	6	-103.116	-103.873	0.757
10	7	-103.464	-103.705	0.241
10	8	-103.668	-102.503	-1.165
10	9	-108.645	-107.393	-1.252
10	10	-103.728	-103.914	0.186
30	11	-105.740	-105.831	0.091
30	12	-105.915	-107.253	1.338
30	13	-105.531	-106.065	0.534
30	14	-106.278	-105.008	-1.270
30	15	-102.559	-102.097	-0.462
50	16	-104.968	-103.277	-1.691
50	17	-112.427	-111.569	-0.858
50	18	-103.884	-103.422	-0.462
50	19	-100.094	-101.086	0.992
50	20	-102.161	-102.121	-0.040
100	21	-108.893	-110.692	1.799
100	22	-101.593	-100.765	-0.828
100	23	-104.277	-103.843	-0.434
100	24	-100.418	-100.247	-0.171
100	25	-105.417	-106.591	1.174
0	26	-107.020	-106.539	-0.481
	Max	-98.973	-99.790	1.799
	Average	-104.549	-104.426	-0.124
	Min	-112.427	-111.569	-1.825
	Std Dev	3.303	3.208	0.932



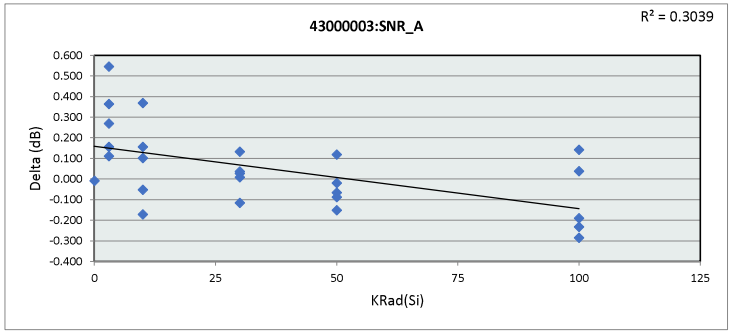
	43000002:THD_A					
Test Site						
Tester						
Test Number						
Max Limit	-90	dB				
Min Limit		dB				
KRad(Si)	0	3	10	30	50	100
LL						
Min	-106.539	-108.653	-107.393	-107.253	-111.569	-110.692
Average	-106.539	-103.454	-104.278	-105.251	-104.295	-104.428
Max	-106.539	-99.790	-102.503	-102.097	-101.086	-100.247
UL	-90.000	-90.000	-90.000	-90.000	-90.000	-90.000



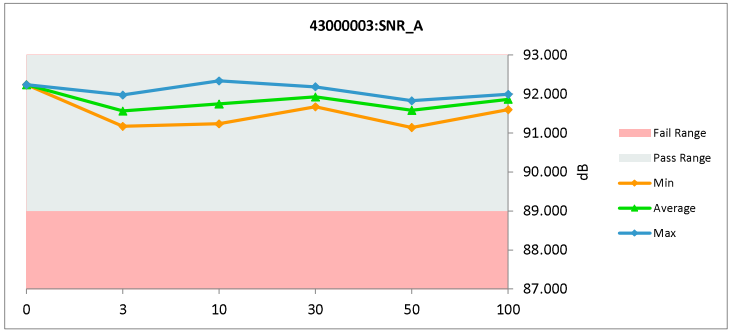
TID-LDR Unbiased Report
ADC168M102R-SP

	43000003:SNR_A	
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit		
Min Limit	89	89

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	91.675	91.519	0.156
3	2	91.719	91.607	0.112
3	3	92.102	91.556	0.546
3	4	91.441	91.172	0.269
3	5	92.339	91.974	0.365
10	6	91.746	91.376	0.370
10	7	92.021	91.865	0.156
10	8	91.858	91.910	-0.052
10	9	92.440	92.338	0.102
10	10	91.064	91.235	-0.171
30	11	92.068	92.183	-0.115
30	12	92.166	92.139	0.027
30	13	91.864	91.827	0.037
30	14	91.797	91.788	0.009
30	15	91.805	91.672	0.133
50	16	91.883	91.764	0.119
50	17	91.672	91.738	-0.066
50	18	91.740	91.827	-0.087
50	19	90.992	91.143	-0.151
50	20	91.421	91.441	-0.020
100	21	91.783	91.972	-0.189
100	22	91.526	91.811	-0.285
100	23	91.715	91.946	-0.231
100	24	91.635	91.597	0.038
100	25	92.133	91.991	0.142
0	26	92.230	92.239	-0.009
	Max	92.440	92.338	0.546
	Average	91.801	91.755	0.046
	Min	90.992	91.143	-0.285
	Std Dev	0.345	0.317	0.196



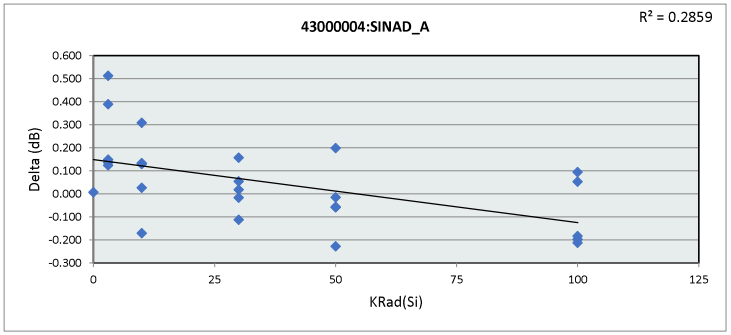
	43000003:SNR_A					
Test Site						
Tester						
Test Number						
Max Limit		dB				
Min Limit	89	dB				
KRad(Si)	0	3	10	30	50	100
LL	89.000	89.000	89.000	89.000	89.000	89.000
Min	92.239	91.172	91.235	91.672	91.143	91.597
Average	92.239	91.566	91.745	91.922	91.583	91.863
Max	92.239	91.974	92.338	92.183	91.827	91.991
UL						



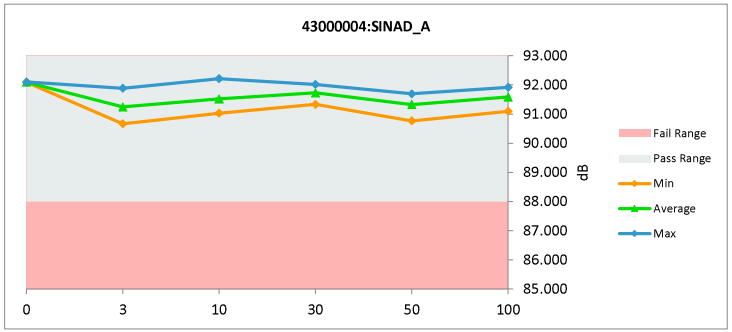
TID-LDR Unbiased Report
ADC168M102R-SP

	43000004:SINAD_A	
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit		
Min Limit	88	88

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	91.565	91.416	0.149
3	2	91.179	91.055	0.124
3	3	91.712	91.200	0.512
3	4	90.804	90.668	0.136
3	5	92.280	91.891	0.389
10	6	91.471	91.163	0.308
10	7	91.750	91.617	0.133
10	8	91.609	91.583	0.026
10	9	92.348	92.219	0.129
10	10	90.859	91.030	-0.171
30	11	91.905	92.018	-0.113
30	12	92.005	92.021	-0.016
30	13	91.700	91.682	0.018
30	14	91.661	91.606	0.055
30	15	91.489	91.333	0.156
50	16	91.696	91.498	0.198
50	17	91.639	91.697	-0.058
50	18	91.509	91.566	-0.057
50	19	90.538	90.766	-0.228
50	20	91.105	91.120	-0.015
100	21	91.708	91.920	-0.212
100	22	91.159	91.343	-0.184
100	23	91.505	91.702	-0.197
100	24	91.149	91.096	0.053
100	25	91.954	91.859	0.095
0	26	92.103	92.097	0.006
	Max	92.348	92.219	0.512
	Average	91.554	91.506	0.048
	Min	90.538	90.668	-0.228
	Std Dev	0.441	0.412	0.183



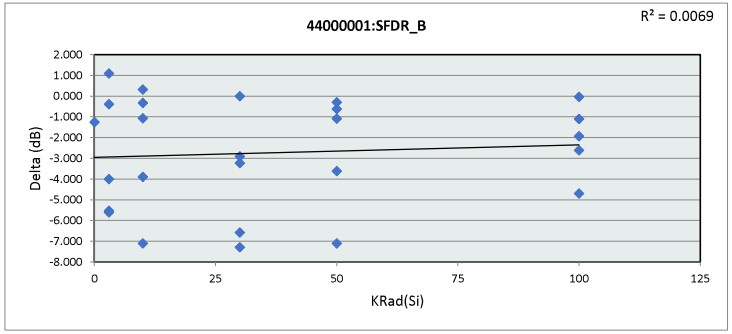
	43000004:SINAD_A					
Test Site						
Tester						
Test Number						
Max Limit		dB				
Min Limit	88	dB				
KRad(Si)	0	3	10	30	50	100
LL	88.000	88.000	88.000	88.000	88.000	88.000
Min	92.097	90.668	91.030	91.333	90.766	91.096
Average	92.097	91.246	91.522	91.732	91.329	91.584
Max	92.097	91.891	92.219	92.021	91.697	91.920
UL						



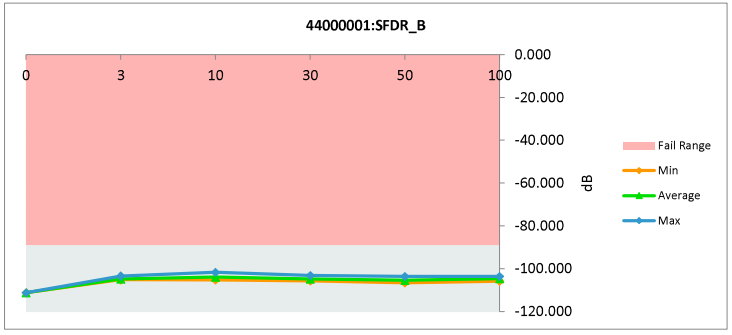
TID-LDR Unbiased Report
ADC168M102R-SP

	44000001:SFDR_B	
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-89	-89
Min Limit		

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	-109.004	-103.390	-5.614
3	2	-103.824	-104.915	1.091
3	3	-109.154	-105.158	-3.996
3	4	-110.599	-105.068	-5.531
3	5	-105.421	-105.028	-0.393
10	6	-111.285	-104.168	-7.117
10	7	-104.069	-104.391	0.322
10	8	-102.031	-101.708	-0.323
10	9	-109.158	-105.256	-3.902
10	10	-104.835	-103.761	-1.074
30	11	-112.646	-105.361	-7.285
30	12	-106.061	-103.157	-2.904
30	13	-104.594	-104.592	-0.002
30	14	-108.375	-105.148	-3.227
30	15	-112.347	-105.765	-6.582
50	16	-107.305	-106.673	-0.632
50	17	-112.368	-105.263	-7.105
50	18	-106.711	-106.416	-0.295
50	19	-108.693	-105.072	-3.621
50	20	-104.688	-103.604	-1.084
100	21	-106.419	-104.481	-1.938
100	22	-103.579	-103.546	-0.033
100	23	-110.505	-105.807	-4.698
100	24	-104.809	-103.708	-1.101
100	25	-108.412	-105.796	-2.616
0	26	-112.433	-111.185	-1.248
	Max	-102.031	-101.708	1.091
	Average	-107.666	-104.939	-2.727
	Min	-112.646	-111.185	-7.285
	Std Dev	3.165	1.682	2.602



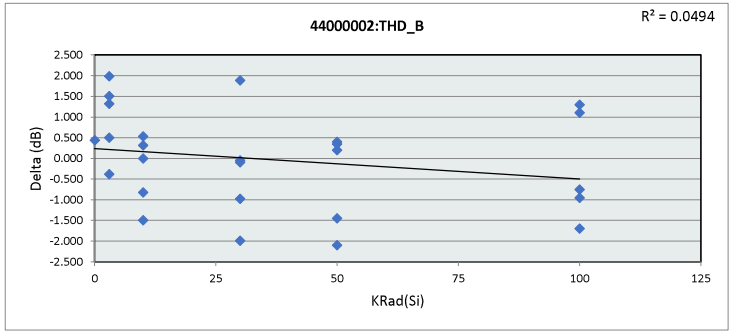
	44000001:SFDR_B					
Test Site						
Tester						
Test Number						
Max Limit	-89	dB				
Min Limit		dB				
KRad(Si)	0	3	10	30	50	100
LL						
Min	-111.185	-105.158	-105.256	-105.765	-106.673	-105.807
Average	-111.185	-104.712	-103.857	-104.805	-105.406	-104.668
Max	-111.185	-103.390	-101.708	-103.157	-103.604	-103.546
UL	-89.000	-89.000	-89.000	-89.000	-89.000	-89.000



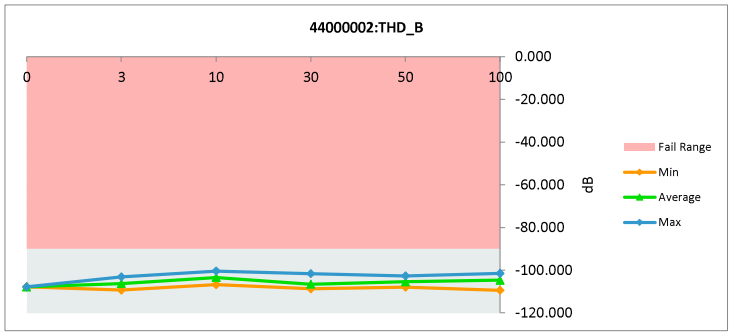
TID-LDR Unbiased Report
ADC168M102R-SP

	44000002:THD_B	
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit	-90	-90
Min Limit		

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	-104.795	-106.303	1.508
3	2	-102.641	-103.142	0.501
3	3	-107.355	-109.336	1.981
3	4	-107.638	-108.956	1.318
3	5	-103.882	-103.503	-0.379
10	6	-108.287	-106.794	-1.493
10	7	-101.620	-101.930	0.310
10	8	-99.847	-100.375	0.528
10	9	-105.871	-105.867	-0.004
10	10	-102.989	-102.162	-0.827
30	11	-108.305	-108.261	-0.044
30	12	-102.550	-101.575	-0.975
30	13	-106.346	-108.229	1.883
30	14	-105.990	-105.900	-0.090
30	15	-110.687	-108.695	-1.992
50	16	-107.752	-107.948	0.196
50	17	-108.389	-106.287	-2.102
50	18	-106.163	-106.561	0.398
50	19	-103.639	-103.981	0.342
50	20	-104.126	-102.673	-1.453
100	21	-104.880	-103.181	-1.699
100	22	-101.190	-102.489	1.299
100	23	-107.518	-106.567	-0.951
100	24	-102.219	-101.470	-0.749
100	25	-108.340	-109.445	1.105
0	26	-107.368	-107.811	0.443
	Max	-99.847	-100.375	1.981
	Average	-105.400	-105.363	-0.036
	Min	-110.687	-109.445	-2.102
	Std Dev	2.751	2.828	1.172



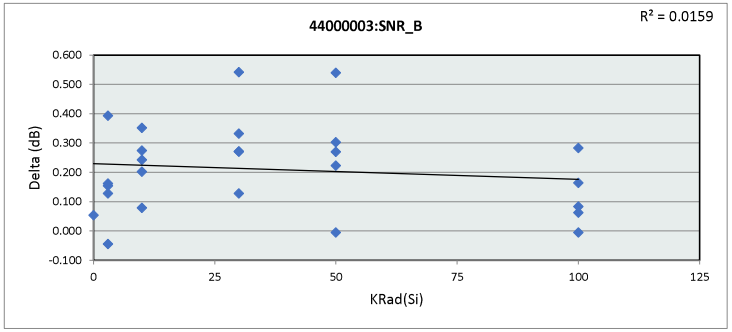
	44000002:THD_B					
Test Site						
Tester						
Test Number						
Max Limit	-90	dB				
Min Limit		dB				
KRad(Si)	0	3	10	30	50	100
LL						
Min	-107.811	-109.336	-106.794	-108.695	-107.948	-109.445
Average	-107.811	-106.248	-103.426	-106.532	-105.490	-104.630
Max	-107.811	-103.142	-100.375	-101.575	-102.673	-101.470
UL	-90.000	-90.000	-90.000	-90.000	-90.000	-90.000



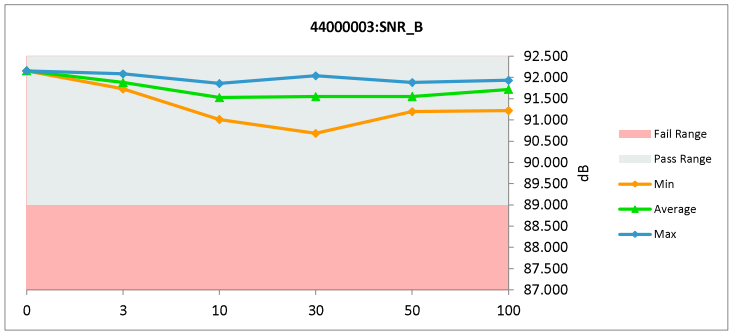
TID-LDR Unbiased Report
ADC168M102R-SP

	44000003:SNR_B	
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit		
Min Limit	89	89

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	92.040	92.085	-0.045
3	2	91.947	91.793	0.154
3	3	91.873	91.745	0.128
3	4	92.220	92.058	0.162
3	5	92.123	91.730	0.393
10	6	92.131	91.857	0.274
10	7	91.960	91.718	0.242
10	8	91.086	91.008	0.078
10	9	91.966	91.615	0.351
10	10	91.637	91.435	0.202
30	11	92.065	91.794	0.271
30	12	92.582	92.041	0.541
30	13	90.814	90.686	0.128
30	14	91.811	91.540	0.271
30	15	92.001	91.669	0.332
50	16	91.580	91.358	0.222
50	17	92.151	91.881	0.270
50	18	91.762	91.767	-0.005
50	19	91.734	91.195	0.539
50	20	91.860	91.558	0.302
100	21	92.213	91.930	0.283
100	22	91.302	91.219	0.083
100	23	91.756	91.761	-0.005
100	24	91.952	91.788	0.164
100	25	91.957	91.895	0.062
0	26	92.209	92.156	0.053
	Max	92.582	92.156	0.541
	Average	91.874	91.665	0.210
	Min	90.814	90.686	-0.045
	Std Dev	0.371	0.346	0.152



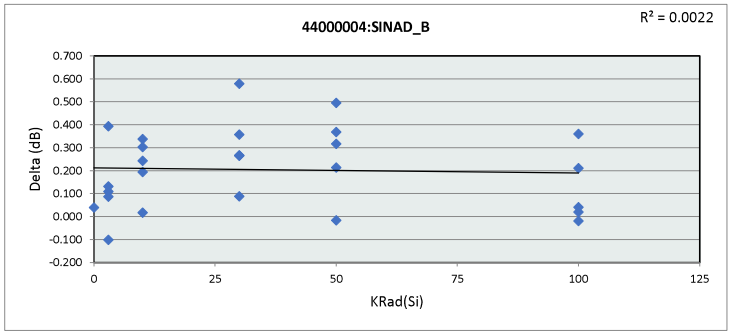
	44000003:SNR_B					
Test Site						
Tester						
Test Number						
Max Limit		dB				
Min Limit	89	dB				
KRad(Si)	0	3	10	30	50	100
LL	89.000	89.000	89.000	89.000	89.000	89.000
Min	92.156	91.730	91.008	90.686	91.195	91.219
Average	92.156	91.882	91.527	91.546	91.552	91.719
Max	92.156	92.085	91.857	92.041	91.881	91.930
UL						



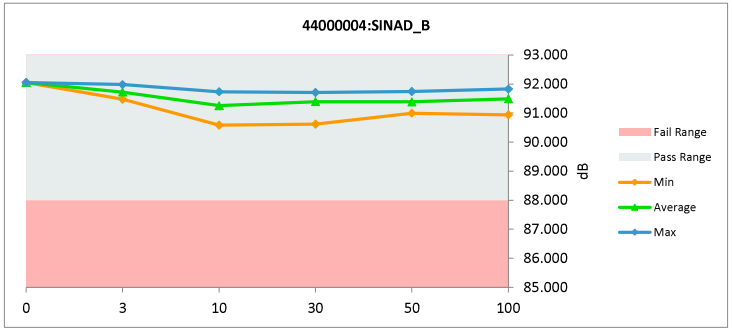
TID-LDR Unbiased Report
ADC168M102R-SP

	44000004:SINAD_B	
Test Site		
Tester		
Test Number		
Unit	dB	dB
Max Limit		
Min Limit	88	88

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	91.839	91.940	-0.101
3	2	91.627	91.517	0.110
3	3	91.765	91.678	0.087
3	4	92.110	91.979	0.131
3	5	91.871	91.478	0.393
10	6	92.038	91.734	0.304
10	7	91.558	91.363	0.195
10	8	90.597	90.580	0.017
10	9	91.810	91.472	0.338
10	10	91.361	91.118	0.243
30	11	91.974	91.707	0.267
30	12	92.207	91.628	0.579
30	13	90.707	90.618	0.089
30	14	91.665	91.400	0.265
30	15	91.949	91.592	0.357
50	16	91.488	91.274	0.214
50	17	92.059	91.742	0.317
50	18	91.623	91.640	-0.017
50	19	91.490	90.995	0.495
50	20	91.635	91.267	0.368
100	21	92.008	91.648	0.360
100	22	90.920	90.938	-0.018
100	23	91.654	91.634	0.020
100	24	91.600	91.389	0.211
100	25	91.868	91.827	0.041
0	26	92.092	92.052	0.040
	Max	92.207	92.052	0.579
	Average	91.674	91.470	0.204
	Min	90.597	90.580	-0.101
	Std Dev	0.410	0.378	0.172



	44000004:SINAD_B					
Test Site						
Tester						
Test Number						
Max Limit		dB				
Min Limit	88	dB				
KRad(Si)	0	3	10	30	50	100
LL	88.000	88.000	88.000	88.000	88.000	88.000
Min	92.052	91.478	90.580	90.618	90.995	90.938
Average	92.052	91.718	91.253	91.389	91.384	91.487
Max	92.052	91.979	91.734	91.707	91.742	91.827
UL						



TID-LDR Unbiased Report
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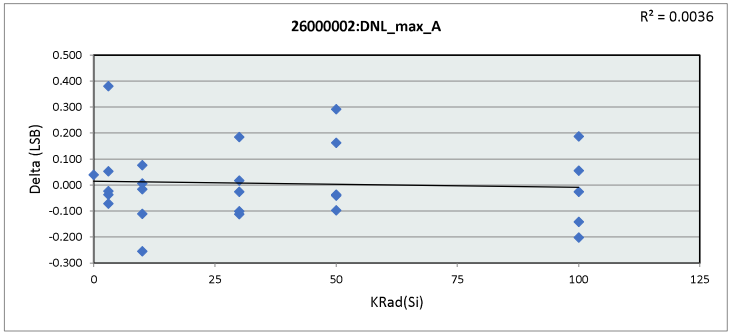
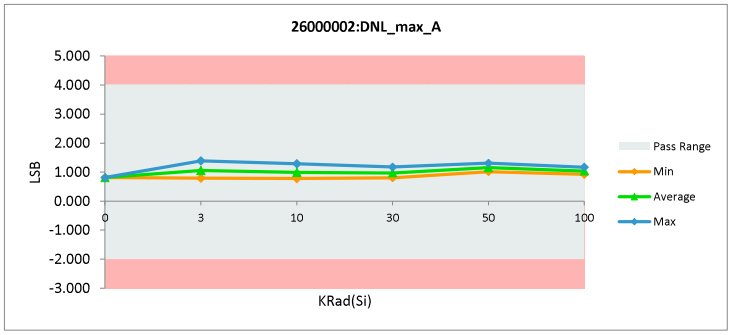
	26000002:DNL_max_A	
Test Site		
Tester		
Test Number		
Unit	LSB	LSB
Max Limit	4	4
Min Limit	-2	-2

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	0.937	0.974	-0.037
3	2	1.363	1.387	-0.024
3	3	0.877	0.948	-0.071
3	4	1.558	1.177	0.381
3	5	0.848	0.795	0.053
10	6	1.101	1.024	0.077
10	7	0.912	1.023	-0.111
10	8	0.846	0.840	0.006
10	9	0.764	0.780	-0.016
10	10	1.036	1.291	-0.255
30	11	0.780	0.806	-0.026
30	12	0.852	0.964	-0.112
30	13	1.288	1.103	0.185
30	14	1.077	1.178	-0.101
30	15	0.827	0.810	0.017
50	16	1.347	1.184	0.163
50	17	1.311	1.018	0.293
50	18	1.141	1.182	-0.041
50	19	1.213	1.311	-0.098
50	20	1.062	1.099	-0.037
100	21	0.901	0.927	-0.026
100	22	0.928	1.130	-0.202
100	23	1.213	1.025	0.188
100	24	1.012	0.956	0.056
100	25	1.029	1.170	-0.141
0	26	0.851	0.811	0.040
	Max	1.558	1.387	0.381
	Average	1.041	1.035	0.006
	Min	0.764	0.780	-0.255
	Std Dev	0.210	0.171	0.144



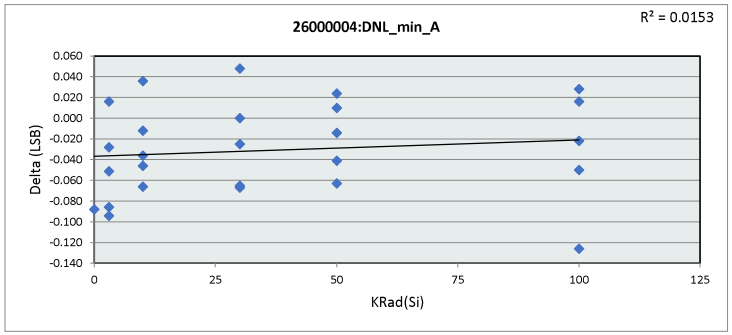
	26000002:DNL_max_A					
Test Site						
Tester						
Test Number						
Max Limit	4	LSB				
Min Limit	-2	LSB				
KRad(Si)	0	3	10	30	50	100
LL	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000
Min	0.811	0.795	0.780	0.806	1.018	0.927
Average	0.811	1.056	0.992	0.972	1.159	1.042
Max	0.811	1.387	1.291	1.178	1.311	1.170
UL	4.000	4.000	4.000	4.000	4.000	4.000



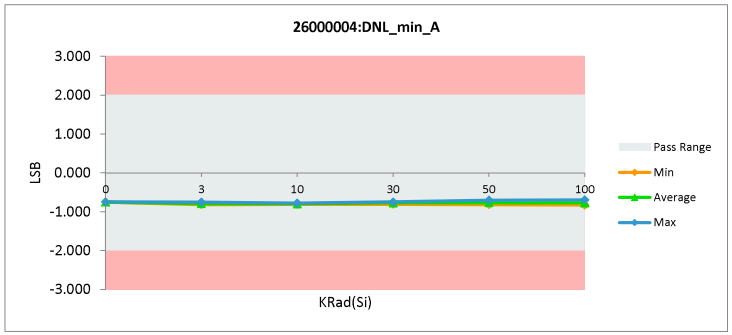
TID-LDR Unbiased Report
ADC168M102R-SP

	26000004:DNL_min_A	
Test Site		
Tester		
Test Number		
Unit	LSB	LSB
Max Limit	2	2
Min Limit	-2	-2

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	-0.816	-0.788	-0.028
3	2	-0.870	-0.819	-0.051
3	3	-0.874	-0.788	-0.086
3	4	-0.795	-0.811	0.016
3	5	-0.850	-0.756	-0.094
10	6	-0.839	-0.793	-0.046
10	7	-0.768	-0.804	0.036
10	8	-0.790	-0.778	-0.012
10	9	-0.872	-0.806	-0.066
10	10	-0.840	-0.804	-0.036
30	11	-0.753	-0.753	0.000
30	12	-0.870	-0.803	-0.067
30	13	-0.775	-0.750	-0.025
30	14	-0.816	-0.751	-0.065
30	15	-0.762	-0.810	0.048
50	16	-0.805	-0.742	-0.063
50	17	-0.794	-0.818	0.024
50	18	-0.807	-0.817	0.010
50	19	-0.747	-0.706	-0.041
50	20	-0.766	-0.752	-0.014
100	21	-0.775	-0.803	0.028
100	22	-0.812	-0.828	0.016
100	23	-0.822	-0.696	-0.126
100	24	-0.811	-0.761	-0.050
100	25	-0.795	-0.773	-0.022
0	26	-0.838	-0.750	-0.088
	Max	-0.747	-0.696	0.048
	Average	-0.810	-0.779	-0.031
	Min	-0.874	-0.828	-0.126
	Std Dev	0.038	0.035	0.045



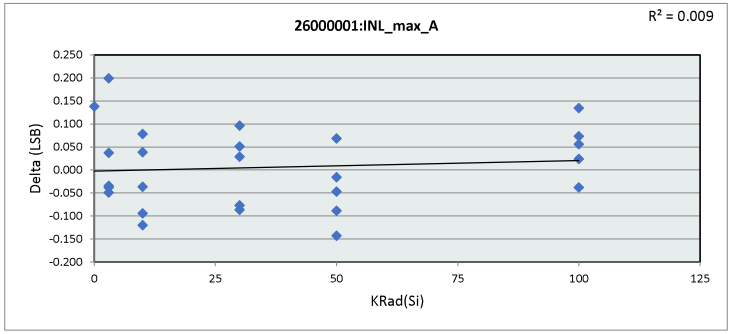
	26000004:DNL_min_A					
Test Site						
Tester						
Test Number						
Max Limit	2	LSB				
Min Limit	-2	LSB				
KRad(Si)	0	3	10	30	50	100
LL	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000
Min	-0.750	-0.819	-0.806	-0.810	-0.818	-0.828
Average	-0.750	-0.792	-0.797	-0.773	-0.767	-0.772
Max	-0.750	-0.756	-0.778	-0.750	-0.706	-0.696
UL	2.000	2.000	2.000	2.000	2.000	2.000



TID-LDR Unbiased Report
ADC168M102R-SP

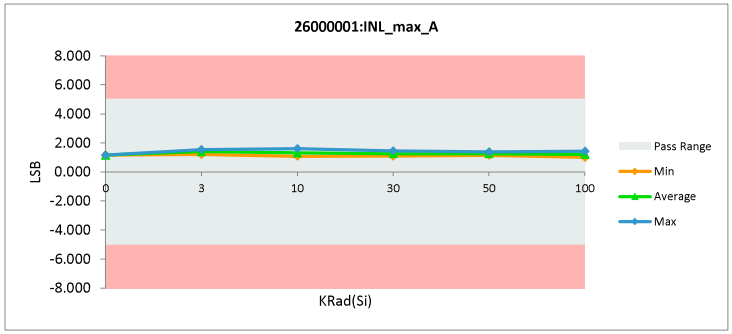
	26000001:INL_max_A	
Test Site		
Tester		
Test Number		
Unit	LSB	LSB
Max Limit	5	5
Min Limit	-5	-5

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	1.403	1.204	0.199
3	2	1.518	1.553	-0.035
3	3	1.249	1.287	-0.038
3	4	1.450	1.413	0.037
3	5	1.479	1.528	-0.049
10	6	1.193	1.313	-0.120
10	7	1.246	1.340	-0.094
10	8	1.265	1.187	0.078
10	9	1.128	1.090	0.038
10	10	1.578	1.615	-0.037
30	11	1.155	1.104	0.051
30	12	1.142	1.229	-0.087
30	13	1.372	1.449	-0.077
30	14	1.294	1.265	0.029
30	15	1.325	1.229	0.096
50	16	1.078	1.221	-0.143
50	17	1.251	1.183	0.068
50	18	1.369	1.385	-0.016
50	19	1.273	1.362	-0.089
50	20	1.108	1.155	-0.047
100	21	1.289	1.265	0.024
100	22	1.186	1.052	0.134
100	23	1.395	1.433	-0.038
100	24	1.379	1.323	0.056
100	25	1.075	1.002	0.073
0	26	1.306	1.168	0.138
	Max	1.578	1.615	0.199
	Average	1.289	1.283	0.006
	Min	1.075	1.002	-0.143
	Std Dev	0.136	0.155	0.086



	26000001:INL_max_A	
Test Site		
Tester		
Test Number		
Max Limit	5	LSB
Min Limit	-5	LSB

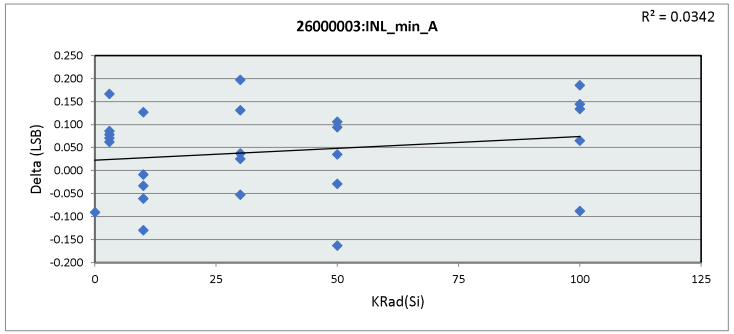
KRad(Si)	0	3	10	30	50	100
LL	-5.000	-5.000	-5.000	-5.000	-5.000	-5.000
Min	1.168	1.204	1.090	1.104	1.155	1.002
Average	1.168	1.397	1.309	1.255	1.261	1.215
Max	1.168	1.553	1.615	1.449	1.385	1.433
UL	5.000	5.000	5.000	5.000	5.000	5.000



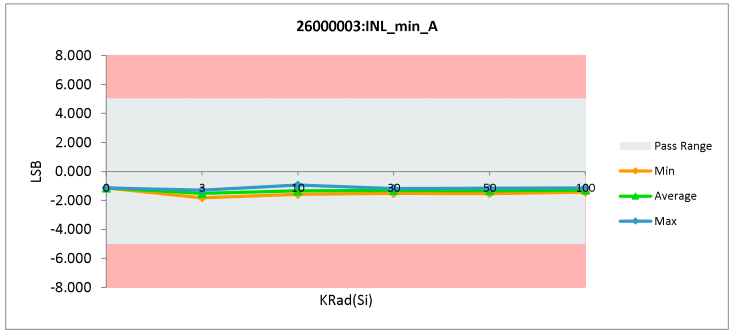
TID-LDR Unbiased Report
ADC168M102R-SP

	26000003:INL_min_A	
Test Site		
Tester		
Test Number		
Unit	LSB	LSB
Max Limit	5	5
Min Limit	-5	-5

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	-1.339	-1.401	0.062
3	2	-1.642	-1.808	0.166
3	3	-1.329	-1.407	0.078
3	4	-1.633	-1.703	0.070
3	5	-1.193	-1.279	0.086
10	6	-1.283	-1.250	-0.033
10	7	-1.306	-1.433	0.127
10	8	-1.618	-1.488	-0.130
10	9	-0.999	-0.938	-0.061
10	10	-1.588	-1.579	-0.009
30	11	-1.113	-1.244	0.131
30	12	-1.146	-1.183	0.037
30	13	-1.214	-1.239	0.025
30	14	-1.458	-1.405	-0.053
30	15	-1.320	-1.517	0.197
50	16	-1.381	-1.218	-0.163
50	17	-1.200	-1.171	-0.029
50	18	-1.331	-1.366	0.035
50	19	-1.419	-1.525	0.106
50	20	-1.267	-1.361	0.094
100	21	-1.023	-1.157	0.134
100	22	-1.513	-1.425	-0.088
100	23	-1.127	-1.312	0.185
100	24	-1.289	-1.354	0.065
100	25	-1.002	-1.146	0.144
0	26	-1.229	-1.138	-0.091
	Max	-0.999	-0.938	0.197
	Average	-1.306	-1.348	0.042
	Min	-1.642	-1.808	-0.163
	Std Dev	0.188	0.189	0.099



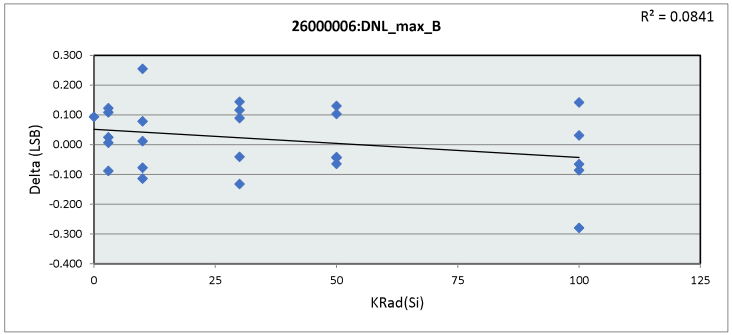
	26000003:INL_min_A					
Test Site						
Tester						
Test Number						
Max Limit	5	LSB				
Min Limit	-5	LSB				
KRad(Si)	0	3	10	30	50	100
LL	-5.000	-5.000	-5.000	-5.000	-5.000	-5.000
Min	-1.138	-1.808	-1.579	-1.517	-1.525	-1.425
Average	-1.138	-1.520	-1.338	-1.318	-1.328	-1.279
Max	-1.138	-1.279	-0.938	-1.183	-1.171	-1.146
UL	5.000	5.000	5.000	5.000	5.000	5.000



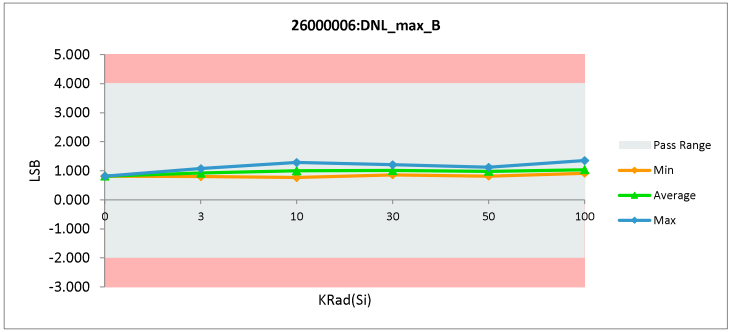
TID-LDR Unbiased Report
ADC168M102R-SP

	26000006:DNL_max_B	
Test Site		
Tester		
Test Number		
Unit	LSB	LSB
Max Limit	4	4
Min Limit	-2	-2

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	0.808	0.802	0.006
3	2	0.824	0.800	0.024
3	3	0.987	1.075	-0.088
3	4	1.021	0.899	0.122
3	5	1.157	1.049	0.108
10	6	1.111	0.856	0.255
10	7	0.778	0.767	0.011
10	8	1.169	1.283	-0.114
10	9	1.101	1.023	0.078
10	10	0.996	1.074	-0.078
30	11	0.989	0.900	0.089
30	12	0.822	0.863	-0.041
30	13	1.321	1.205	0.116
30	14	0.905	1.038	-0.133
30	15	1.181	1.037	0.144
50	16	1.020	1.064	-0.044
50	17	0.892	0.957	-0.065
50	18	0.774	0.816	-0.042
50	19	1.248	1.118	0.130
50	20	1.052	0.949	0.103
100	21	0.752	1.032	-0.280
100	22	1.284	1.350	-0.066
100	23	1.068	0.926	0.142
100	24	0.890	0.976	-0.086
100	25	0.948	0.917	0.031
0	26	0.906	0.813	0.093
	Max	1.321	1.350	0.255
	Average	1.000	0.984	0.016
	Min	0.752	0.767	-0.280
	Std Dev	0.163	0.149	0.116



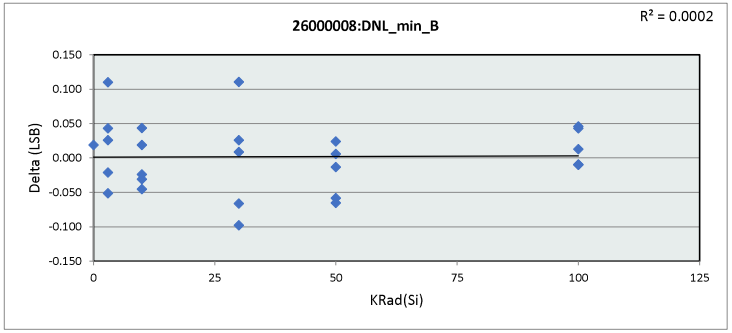
	26000006:DNL_max_B					
Test Site						
Tester						
Test Number						
Max Limit	4	LSB				
Min Limit	-2	LSB				
KRad(Si)	0	3	10	30	50	100
LL	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000
Min	0.813	0.800	0.767	0.863	0.816	0.917
Average	0.813	0.925	1.001	1.009	0.981	1.040
Max	0.813	1.075	1.283	1.205	1.118	1.350
UL	4.000	4.000	4.000	4.000	4.000	4.000



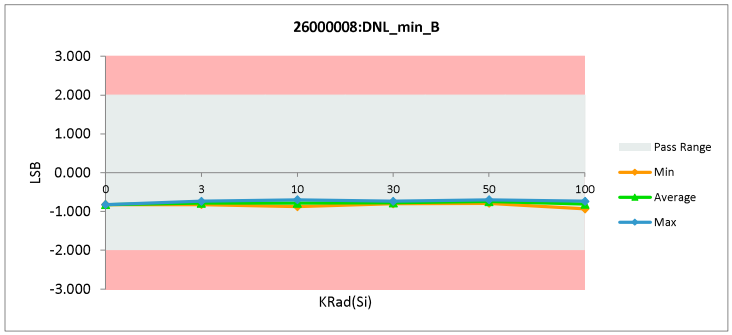
TID-LDR Unbiased Report
ADC168M102R-SP

	26000008:DNL_min_B	
Test Site		
Tester		
Test Number		
Unit	LSB	LSB
Max Limit	2	2
Min Limit	-2	-2

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	-0.709	-0.819	0.110
3	2	-0.787	-0.736	-0.051
3	3	-0.816	-0.795	-0.021
3	4	-0.733	-0.759	0.026
3	5	-0.748	-0.791	0.043
10	6	-0.723	-0.699	-0.024
10	7	-0.744	-0.788	0.044
10	8	-0.855	-0.874	0.019
10	9	-0.877	-0.832	-0.045
10	10	-0.761	-0.730	-0.031
30	11	-0.768	-0.794	0.026
30	12	-0.856	-0.758	-0.098
30	13	-0.691	-0.802	0.111
30	14	-0.769	-0.778	0.009
30	15	-0.805	-0.739	-0.066
50	16	-0.764	-0.788	0.024
50	17	-0.772	-0.714	-0.058
50	18	-0.759	-0.746	-0.013
50	19	-0.764	-0.699	-0.065
50	20	-0.768	-0.774	0.006
100	21	-0.883	-0.929	0.046
100	22	-0.748	-0.739	-0.009
100	23	-0.813	-0.803	-0.010
100	24	-0.801	-0.844	0.043
100	25	-0.737	-0.750	0.013
0	26	-0.801	-0.820	0.019
	Max	-0.691	-0.699	0.111
	Average	-0.779	-0.781	0.002
	Min	-0.883	-0.929	-0.098
	Std Dev	0.049	0.053	0.050



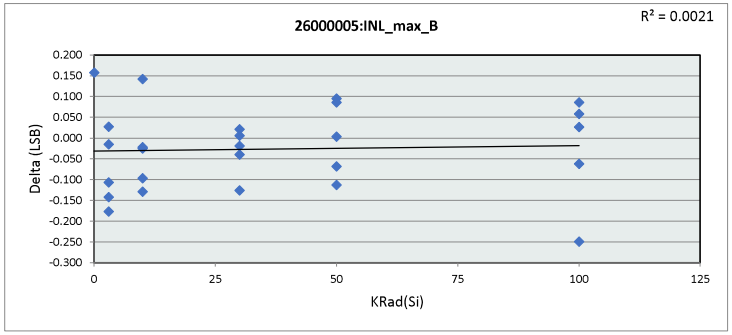
	26000008:DNL_min_B					
Test Site						
Tester						
Test Number						
Max Limit	2	LSB				
Min Limit	-2	LSB				
KRad(Si)	0	3	10	30	50	100
LL	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000
Min	-0.820	-0.819	-0.874	-0.802	-0.788	-0.929
Average	-0.820	-0.780	-0.785	-0.774	-0.744	-0.813
Max	-0.820	-0.736	-0.699	-0.739	-0.699	-0.739
UL	2.000	2.000	2.000	2.000	2.000	2.000



TID-LDR Unbiased Report
ADC168M102R-SP

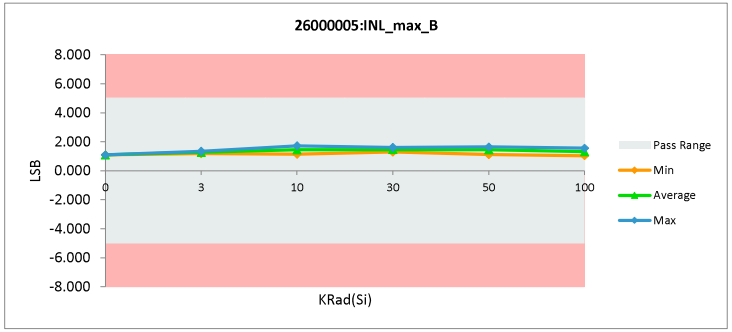
	26000005:INL_max_B	
Test Site		
Tester		
Test Number		
Unit	LSB	LSB
Max Limit	5	5
Min Limit	-5	-5

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	1.117	1.294	-0.177
3	2	1.055	1.197	-0.142
3	3	1.337	1.352	-0.015
3	4	1.376	1.349	0.027
3	5	1.146	1.253	-0.107
10	6	1.225	1.322	-0.097
10	7	1.123	1.148	-0.025
10	8	1.707	1.729	-0.022
10	9	1.641	1.499	0.142
10	10	1.420	1.549	-0.129
30	11	1.412	1.391	0.021
30	12	1.252	1.292	-0.040
30	13	1.583	1.602	-0.019
30	14	1.621	1.615	0.006
30	15	1.290	1.416	-0.126
50	16	1.574	1.642	-0.068
50	17	1.397	1.302	0.095
50	18	1.135	1.132	0.003
50	19	1.670	1.584	0.086
50	20	1.411	1.524	-0.113
100	21	1.326	1.388	-0.062
100	22	1.653	1.567	0.086
100	23	1.417	1.359	0.058
100	24	1.016	1.266	-0.250
100	25	1.069	1.043	0.026
0	26	1.254	1.097	0.157
	Max	1.707	1.729	0.157
	Average	1.355	1.381	-0.026
	Min	1.016	1.043	-0.250
	Std Dev	0.211	0.183	0.100



	26000005:INL_max_B	
Test Site		
Tester		
Test Number		
Max Limit	5	LSB
Min Limit	-5	LSB

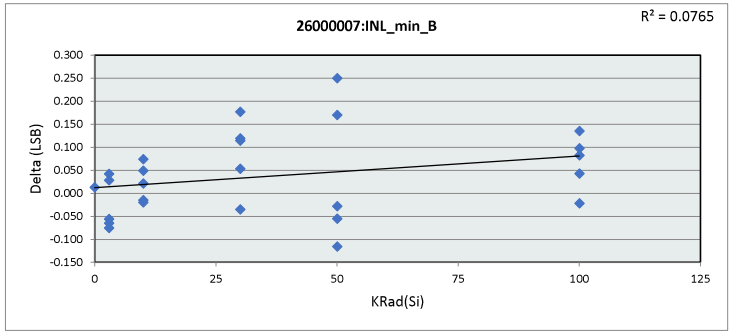
KRad(Si)	0	3	10	30	50	100
LL	-5.000	-5.000	-5.000	-5.000	-5.000	-5.000
Min	1.097	1.197	1.148	1.292	1.132	1.043
Average	1.097	1.289	1.449	1.463	1.437	1.325
Max	1.097	1.352	1.729	1.615	1.642	1.567
UL	5.000	5.000	5.000	5.000	5.000	5.000



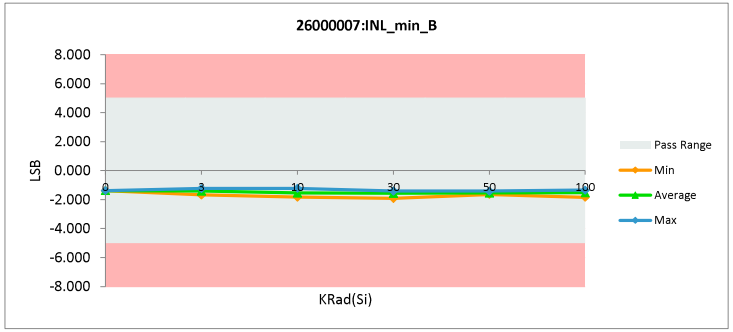
TID-LDR Unbiased Report
ADC168M102R-SP

	26000007:INL_min_B	
Test Site		
Tester		
Test Number		
Unit	LSB	LSB
Max Limit	5	5
Min Limit	-5	-5

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	-1.303	-1.228	-0.075
3	2	-1.368	-1.303	-0.065
3	3	-1.438	-1.466	0.028
3	4	-1.332	-1.374	0.042
3	5	-1.740	-1.684	-0.056
10	6	-1.457	-1.531	0.074
10	7	-1.236	-1.221	-0.015
10	8	-1.541	-1.521	-0.020
10	9	-1.562	-1.611	0.049
10	10	-1.810	-1.831	0.021
30	11	-1.427	-1.480	0.053
30	12	-1.431	-1.396	-0.035
30	13	-1.793	-1.912	0.119
30	14	-1.293	-1.470	0.177
30	15	-1.395	-1.509	0.114
50	16	-1.731	-1.615	-0.116
50	17	-1.471	-1.641	0.170
50	18	-1.441	-1.413	-0.028
50	19	-1.176	-1.426	0.250
50	20	-1.592	-1.537	-0.055
100	21	-1.537	-1.619	0.082
100	22	-1.743	-1.841	0.098
100	23	-1.364	-1.342	-0.022
100	24	-1.317	-1.360	0.043
100	25	-1.295	-1.430	0.135
0	26	-1.367	-1.380	0.013
	Max	-1.176	-1.221	0.250
	Average	-1.468	-1.505	0.038
	Min	-1.810	-1.912	-0.116
	Std Dev	0.177	0.178	0.088



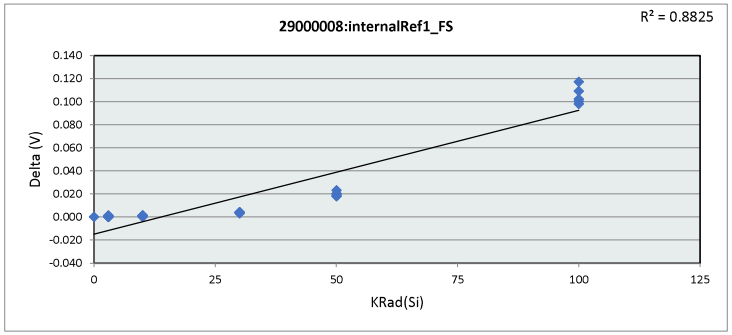
	26000007:INL_min_B					
Test Site						
Tester						
Test Number						
Max Limit	5	LSB				
Min Limit	-5	LSB				
KRad(Si)	0	3	10	30	50	100
LL	-5.000	-5.000	-5.000	-5.000	-5.000	-5.000
Min	-1.380	-1.684	-1.831	-1.912	-1.641	-1.841
Average	-1.380	-1.411	-1.543	-1.553	-1.526	-1.518
Max	-1.380	-1.228	-1.221	-1.396	-1.413	-1.342
UL	5.000	5.000	5.000	5.000	5.000	5.000



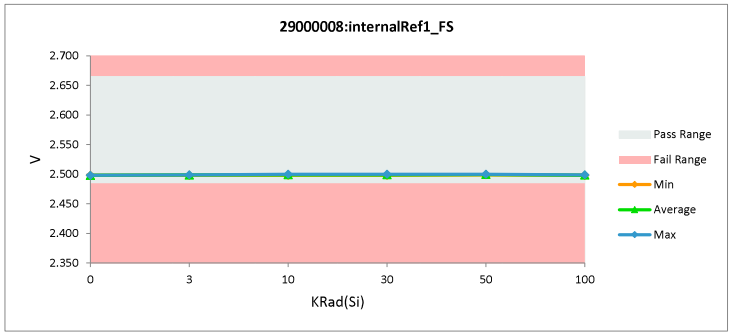
TID-LDR Unbiased Report
ADC168M102R-SP

	29000008:internalRef1_FS	
Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	2.665	2.665
Min Limit	2.485	2.485

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	2.498	2.498	0.000
3	2	2.499	2.499	0.000
3	3	2.499	2.498	0.001
3	4	2.499	2.498	0.001
3	5	2.499	2.499	0.000
10	6	2.501	2.500	0.001
10	7	2.498	2.498	0.000
10	8	2.500	2.499	0.001
10	9	2.501	2.500	0.001
10	10	2.499	2.498	0.001
30	11	2.503	2.499	0.004
30	12	2.502	2.498	0.004
30	13	2.504	2.500	0.004
30	14	2.502	2.498	0.004
30	15	2.502	2.499	0.003
50	16	2.517	2.499	0.018
50	17	2.519	2.499	0.020
50	18	2.523	2.500	0.023
50	19	2.518	2.500	0.018
50	20	2.519	2.499	0.020
100	21	2.599	2.499	0.100
100	22	2.600	2.498	0.102
100	23	2.596	2.498	0.098
100	24	2.615	2.498	0.117
100	25	2.607	2.498	0.109
0	26	2.498	2.498	0.000
	Max	2.615	2.500	0.117
	Average	2.524	2.499	0.025
	Min	2.498	2.498	0.000
	Std Dev	0.040	0.001	0.041



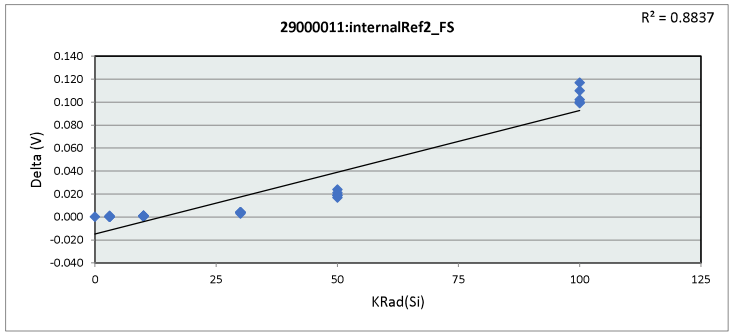
	29000008:internalRef1_FS					
Test Site						
Tester						
Test Number						
Max Limit	2.665	V				
Min Limit	2.485	V				
KRad(Si)	0	3	10	30	50	100
LL	2.485	2.485	2.485	2.485	2.485	2.485
Min	2.498	2.498	2.498	2.498	2.499	2.498
Average	2.498	2.498	2.499	2.499	2.499	2.498
Max	2.498	2.499	2.500	2.500	2.500	2.499
UL	2.665	2.665	2.665	2.665	2.665	2.665



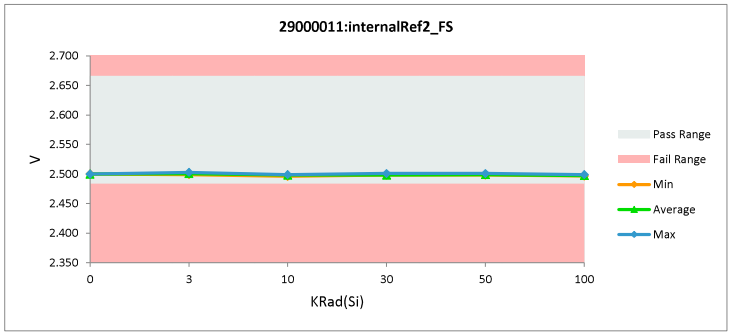
TID-LDR Unbiased Report
ADC168M102R-SP

	29000011:internalRef2_FS	
Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	2.665	2.665
Min Limit	2.484	2.484

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	2.501	2.501	0.000
3	2	2.503	2.503	0.000
3	3	2.501	2.501	0.000
3	4	2.500	2.499	0.001
3	5	2.499	2.499	0.000
10	6	2.500	2.499	0.001
10	7	2.496	2.496	0.000
10	8	2.498	2.497	0.001
10	9	2.500	2.499	0.001
10	10	2.500	2.499	0.001
30	11	2.502	2.498	0.004
30	12	2.502	2.498	0.004
30	13	2.502	2.498	0.004
30	14	2.502	2.498	0.004
30	15	2.504	2.501	0.003
50	16	2.517	2.498	0.019
50	17	2.521	2.500	0.021
50	18	2.522	2.498	0.024
50	19	2.515	2.498	0.017
50	20	2.520	2.501	0.019
100	21	2.597	2.497	0.100
100	22	2.599	2.497	0.102
100	23	2.598	2.499	0.099
100	24	2.614	2.497	0.117
100	25	2.608	2.498	0.110
0	26	2.500	2.500	0.000
	Max	2.614	2.503	0.117
	Average	2.524	2.499	0.025
	Min	2.496	2.496	0.000
	Std Dev	0.040	0.002	0.041



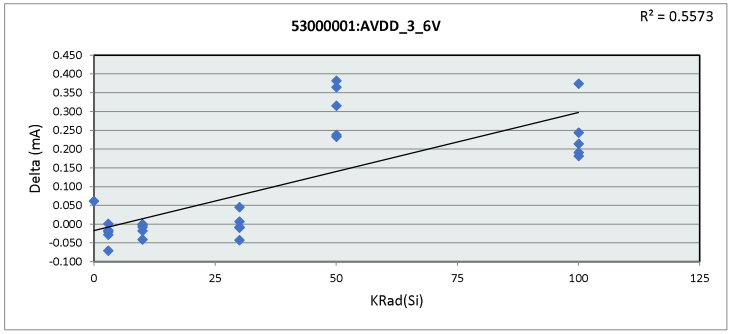
	29000011:internalRef2_FS					
Test Site						
Tester						
Test Number						
Max Limit	2.665	V				
Min Limit	2.484	V				
KRad(Si)	0	3	10	30	50	100
LL	2.484	2.484	2.484	2.484	2.484	2.484
Min	2.500	2.499	2.496	2.498	2.498	2.497
Average	2.500	2.501	2.498	2.499	2.499	2.498
Max	2.500	2.503	2.499	2.501	2.501	2.499
UL	2.665	2.665	2.665	2.665	2.665	2.665



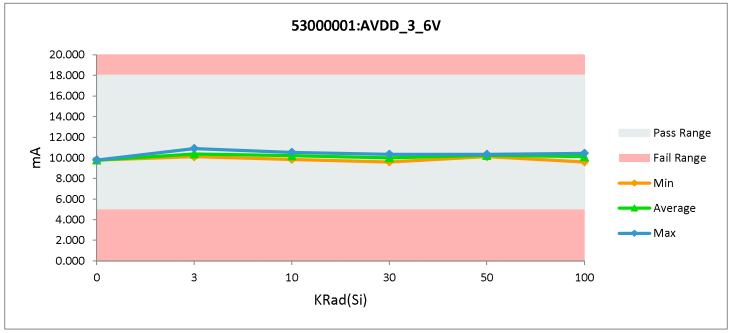
TID-LDR Unbiased Report
ADC168M102R-SP

	53000001:AVDD_3_6V	
Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	18	18
Min Limit	5	5

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	10.458	10.457	0.001
3	2	10.111	10.182	-0.071
3	3	10.259	10.287	-0.028
3	4	10.882	10.902	-0.020
3	5	10.086	10.102	-0.016
10	6	10.077	10.085	-0.008
10	7	10.271	10.312	-0.041
10	8	10.518	10.536	-0.018
10	9	10.228	10.228	0.000
10	10	9.855	9.858	-0.003
30	11	9.621	9.614	0.007
30	12	10.306	10.348	-0.042
30	13	10.108	10.063	0.045
30	14	10.171	10.179	-0.008
30	15	9.759	9.768	-0.009
50	16	10.546	10.308	0.238
50	17	10.614	10.298	0.316
50	18	10.538	10.173	0.365
50	19	10.343	10.110	0.233
50	20	10.708	10.326	0.382
100	21	9.844	9.600	0.244
100	22	10.496	10.314	0.182
100	23	10.634	10.443	0.191
100	24	10.404	10.190	0.214
100	25	10.356	9.982	0.374
0	26	9.848	9.787	0.061
	Max	10.882	10.902	0.382
	Average	10.271	10.171	0.100
	Min	9.621	9.600	-0.071
	Std Dev	0.316	0.288	0.150



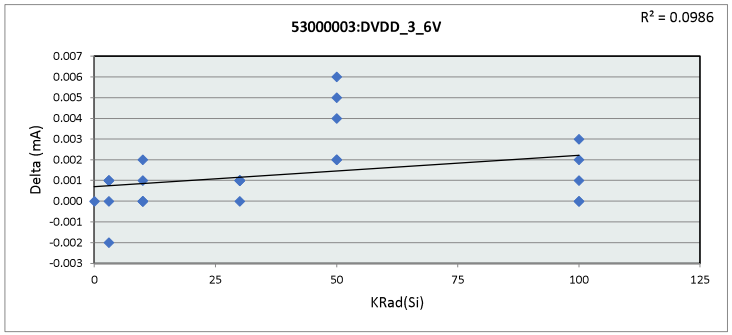
	53000001:AVDD_3_6V					
Test Site						
Tester						
Test Number						
Max Limit	18	mA				
Min Limit	5	mA				
KRad(Si)	0	3	10	30	50	100
LL	5.000	5.000	5.000	5.000	5.000	5.000
Min	9.787	10.102	9.858	9.614	10.110	9.600
Average	9.787	10.386	10.204	9.994	10.243	10.106
Max	9.787	10.902	10.536	10.348	10.326	10.443
UL	18.000	18.000	18.000	18.000	18.000	18.000



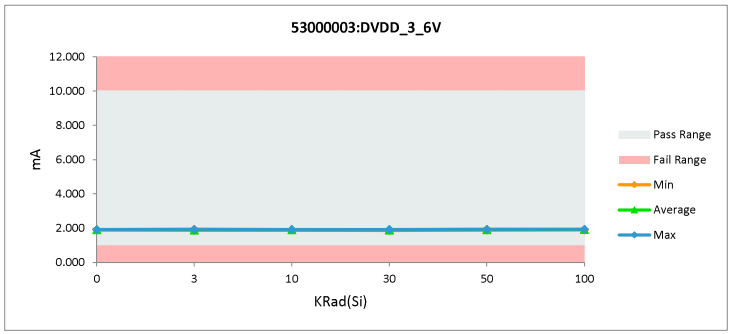
TID-LDR Unbiased Report
ADC168M102R-SP

	53000003:DVDD_3_6V	
Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	10	10
Min Limit	1	1

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	1.899	1.898	0.001
3	2	1.920	1.922	-0.002
3	3	1.873	1.872	0.001
3	4	1.928	1.928	0.000
3	5	1.876	1.875	0.001
10	6	1.912	1.912	0.000
10	7	1.896	1.896	0.000
10	8	1.914	1.912	0.002
10	9	1.879	1.879	0.000
10	10	1.910	1.909	0.001
30	11	1.883	1.882	0.001
30	12	1.917	1.916	0.001
30	13	1.905	1.905	0.000
30	14	1.917	1.916	0.001
30	15	1.864	1.863	0.001
50	16	1.904	1.898	0.006
50	17	1.909	1.907	0.002
50	18	1.905	1.900	0.005
50	19	1.930	1.926	0.004
50	20	1.913	1.911	0.002
100	21	1.934	1.931	0.003
100	22	1.911	1.910	0.001
100	23	1.928	1.926	0.002
100	24	1.899	1.899	0.000
100	25	1.896	1.896	0.000
0	26	1.910	1.910	0.000
	Max	1.934	1.931	0.006
	Average	1.905	1.904	0.001
	Min	1.864	1.863	-0.002
	Std Dev	0.018	0.018	0.002



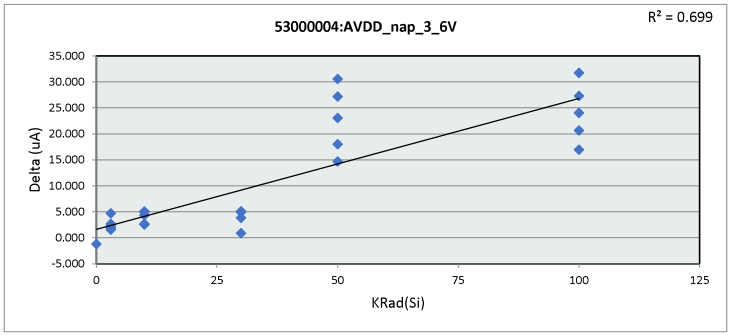
	53000003:DVDD_3_6V					
Test Site						
Tester						
Test Number						
Max Limit	10	mA				
Min Limit	1	mA				
KRad(Si)	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	1.910	1.872	1.879	1.863	1.898	1.896
Average	1.910	1.899	1.902	1.896	1.908	1.912
Max	1.910	1.928	1.912	1.916	1.926	1.931
UL	10.000	10.000	10.000	10.000	10.000	10.000



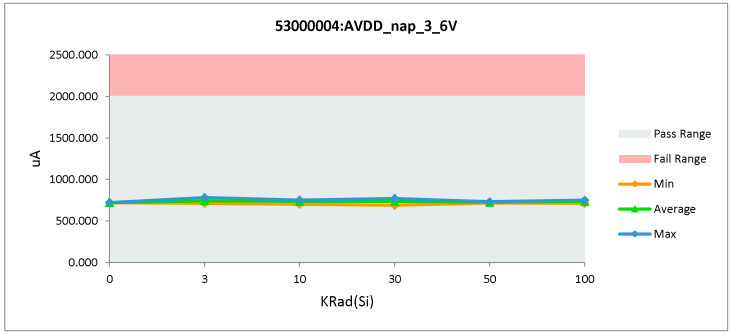
TID-LDR Unbiased Report
ADC168M102R-SP

	53000004:AVDD_nap_3_6V	
Test Site		
Tester		
Test Number		
Unit	uA	uA
Max Limit	2000	2000
Min Limit	0	0

KRad(Si)	Serial #	postrad	prerad	Delta
3	1	740.665	738.011	2.654
3	2	713.382	711.444	1.938
3	3	764.799	763.254	1.545
3	4	788.319	783.618	4.701
3	5	733.922	731.682	2.240
10	6	756.117	753.434	2.683
10	7	753.741	749.377	4.364
10	8	746.866	741.872	4.994
10	9	725.186	722.660	2.526
10	10	706.482	701.437	5.045
30	11	730.154	725.201	4.953
30	12	771.519	770.640	0.879
30	13	735.299	730.249	5.050
30	14	772.371	768.518	3.853
30	15	695.070	690.047	5.023
50	16	747.443	732.736	14.707
50	17	746.265	728.222	18.043
50	18	760.360	729.795	30.565
50	19	740.599	717.508	23.091
50	20	752.131	724.946	27.185
100	21	745.603	713.826	31.777
100	22	765.479	741.425	24.054
100	23	771.332	750.670	20.662
100	24	756.565	739.571	16.994
100	25	762.742	735.393	27.349
0	26	721.642	722.859	-1.217
	Max	788.319	783.618	31.777
	Average	746.310	735.323	10.987
	Min	695.070	690.047	-1.217
	Std Dev	22.023	21.474	10.729



	53000004:AVDD_nap_3_6V					
Test Site						
Tester						
Test Number						
Max Limit	2000	uA				
Min Limit	0	uA				
KRad(Si)	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	722.859	711.444	701.437	690.047	717.508	713.826
Average	722.859	745.602	733.756	736.931	726.641	736.177
Max	722.859	783.618	753.434	770.640	732.736	750.670
UL	2000.000	2000.000	2000.000	2000.000	2000.000	2000.000



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