



## ABSTRACT

This report discusses the radiation characterization results of the TRF0108-SEP, a radiation-tolerant, near-DC to 12GHz differential to single-ended RF amplifier. The study was done to determine total ionizing dose (TID) effects under high dose rate (HDR) up to the specified 30krad(Si) and up to the information-only 50krad(Si). The results show that all samples passed well within the specified limits up to 30krad(Si) and up to information-only 50krad(Si) HDR.

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## Trademarks

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## 1 Device Information

### 1.1 Product Description

The TRF0108-SEP is a high performance, differential to single-ended (D2S) amplifier optimized for radio-frequency (RF) applications. The device is an excellent choice for applications that require a D2S conversion at the output of digital-to-analog converter (DAC) such as the high-performance DAC39RF10-SEP or AFE7950-SEP. The on-chip matching components simplify printed circuit board (PCB) implementation and provide the highest performance over the usable bandwidth. The device is fabricated using Texas Instruments' advanced complementary BiCMOS process and is available in a space-saving, WQFN-FCRLF 2mm × 2mm package. The device operates on a 5V single-rail supply. A power-down feature is also available for power savings.

For more detailed technical specifications, user-guides, and application notes visit: [TRF0108-SEP](#).

### 1.2 Device Details

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

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

TID HDR Details: Up to 30krad(Si)	
TI Device Number	TRF0108-SEP
Package	WQFN-FCRLF (RPV)
Technology	BICMOS
Die Lot Number	5113562
A/T Lot Number / Date Code	5555378 / 58AL4EI
Quantity Tested	30 units
Lot Accept or Reject	Devices passed 20krad(Si), 30krad(Si), and information-only 50krad(Si)
HDR Radiation Facility	Texas Instruments, Dallas
HDR Dose Level	20krad(Si), 30krad(Si), 50krad(Si)
HDR Dose Rate	180rad(Si)/s
HDR Radiation Source	Gamma rays generated by Hopewell GR420 Co-60 source. Dosimetry performed by Hopewell via GEX using GEX Alanine dosimeters.
Irradiation Temperature	Ambient, room temperature controlled to 4°C ± 6°C per MILSTD-883

## 2 Total Dose Test Setup

### 2.1 Test Overview

The TRF0108-SEP was tested according to MIL-STD-883, Test Method 1019, Condition A. The product was irradiated up to 50krad(Si) and then put through full electrical parametric testing on the production automated test equipment (ATE). The device was functional and passed all electrical parametric tests with readings within guard bands of the vendor item drawing (VID) electrical specification limits. TRF0108-SEP is enhanced low dose rate sensitivity (ELDRS) free and qualified by similarity (QBS) to TRF0206-SP, by virtue of the same die process technology and process component list used in TRF0108-SEP.

### 2.2 Test Description and Facilities

The TRF0108-SEP HDR exposure was performed on biased and unbiased devices in a Co-60 gammacell at TI CLAB facility in Dallas, Texas. The unattenuated dose rate of this cell is 50rad(Si)/s to 300rad(Si)/s. After exposure, the devices were packed in dry ice (per MIL-STD-883 Method 1019 section 3.10) and returned to TI Dallas for a full post irradiation electrical evaluation using Texas Instruments' ATE. The ATE test limits are set within VID electrical limits and are guardbanded to provide a minimum Cpk and test error margin based on initial qualification and characterization data. Post irradiation, measurements were taken within 30 minutes of removal of the devices from the dry ice container. The devices were allowed to reach room temperature prior to electrical post-irradiation measurements.

## 2.3 Test Setup Details

The devices under HDR exposure were tested in both biased and unbiased conditions and are described in this section.

### 2.3.1 Unbiased

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

### 2.3.2 Biased

Figure 2-1 shows the bias schematic for each pin during HDR exposure, with  $V_{DD} = 5.25V$  and  $PD = GND$ .

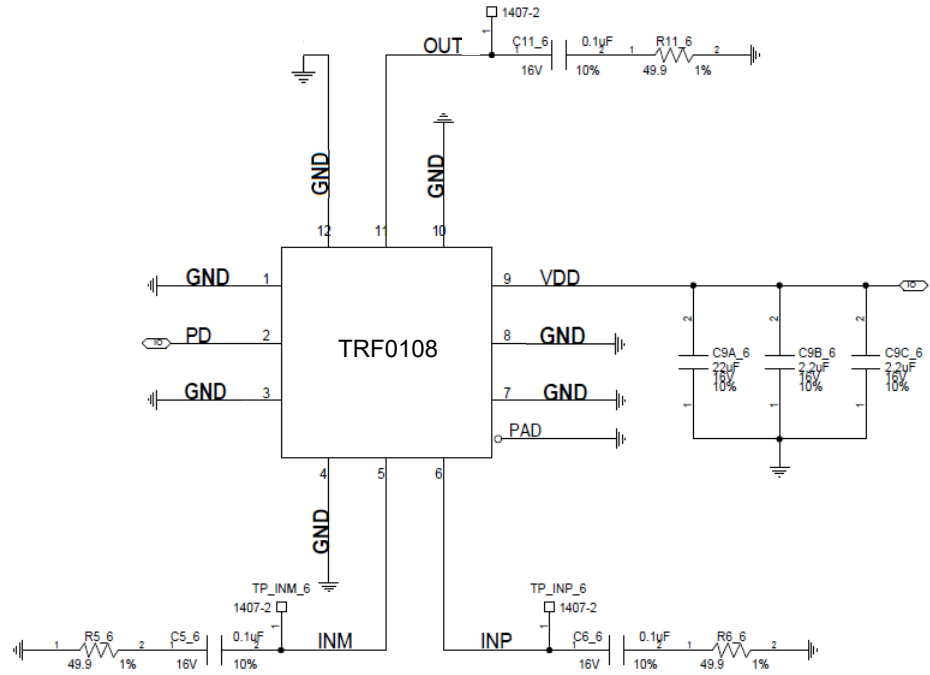


Figure 2-1. TRF0108-SEP Bias Configuration Used for TID Exposure Testing

## 2.4 Test Configuration and Condition

A step-stress (20krad(Si), 30krad(Si), 50krad(Si)) test method was used to determine the TID hardness level. That is, after a predetermined TID level was reached, an electrical test was performed on a given sample of parts to verify that the units are within the specified VID electrical test limits. MIL-STD-883, Test Method 1019, Condition A was used in this case.

Table 2-1 and Table 2-2 list the serialized samples that were used during the RHA characterization. Device serial numbers of samples exposed to radiation under unbiased condition end in the letter "U". Two control samples, C1 and C2, that were not subjected to radiation, were also electrically tested along with the radiation exposed samples.

**Table 2-1. HDR Unbiased Device Information**

HDR = 180rad(Si)/s		
Total Samples: Five unbiased per TID level		
TID exposure levels:		
20krad(Si)	30krad(Si)	50krad(Si), information-only
6U, 7U, 8U, 9U, 10U	16U, 17U, 18U, 19U, 20U	26U, 27U, 28U, 29U, 30U

**Table 2-2. HDR Biased Device Information**

HDR = 180rad(Si)/s		
Total Samples: Five biased per TID level		
TID exposure levels:		
20krad(Si)	30krad(Si)	50krad(Si), information-only
1, 2, 3, 4, 5	11, 12, 13, 14, 15	21, 22, 23, 24, 25

### 3 Total Ionizing Dose Characterization Test Results

#### 3.1 Total Ionizing Dose RHA Characterization Summary Results

The parametric data for the TRF0108-SEP passes up to the specified 30krad(Si) HDR and up to the information-only 50krad(Si) HDR per MIL-STD-883, TM1019 Condition A for both biased and unbiased setup conditions. An overview of the key parameters post-test is shown later in this section. The data sheet parameters are tested pre- and post-irradiation. [HDR Total Ionizing Dose Report](#) includes pre- and post-irradiation data and graphs showing the drift for all parameters.

Overall the TRF0108-SEP showed a strong degree of hardness to TID HDR irradiation up to the specified 30krad(Si) and information-only 50krad(Si) for both biased and unbiased setup conditions. All parameters were well within the VID electrical specification for the device. Most parameters showed marginally if any shift, and those that showed greater shift were still within the guardbanded limits and VID specification.

Key parameters for the TRF0108-SEP such as VDD quiescent current at 5V ([Figure 3-1](#)), VDD power down current at 5V ([Figure 3-2](#)), and the power gain indicative test at  $f_1 = 1.29\text{GHz}$  fundamental frequency at 5V ([Figure 3-3](#)) were still within specifications.

0.8V forced on SDA_PD pin (device is ON)/VDD current measured at VDD=5V (DS)				
Max Limit	204.9		mA	
Min Limit	150		mA	
krad	0	20	30	50
LL	150.000	150.000	150.000	150.000
Min	176.707	169.028	167.945	172.188
Average	179.916	175.632	174.305	175.645
Max	183.126	181.395	180.910	178.949
UL	204.900	204.900	204.900	204.900

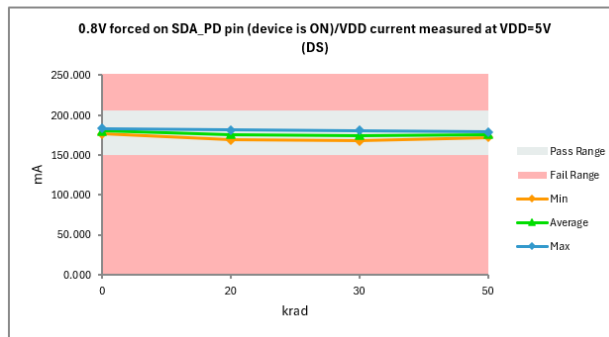


Figure 3-1. VDD Quiescent Current at 5V Supply HDR Result

1.45V forced on SDA_PD pin/current measured on VDD pin				
Max Limit	16.2	mA		
Min Limit		mA		
krad	0	20	30	50
LL				
Min	13.388	12.621	12.574	12.765
Average	13.513	13.036	13.139	13.204
Max	13.637	13.398	13.510	13.509
UL	16.200	16.200	16.200	16.200

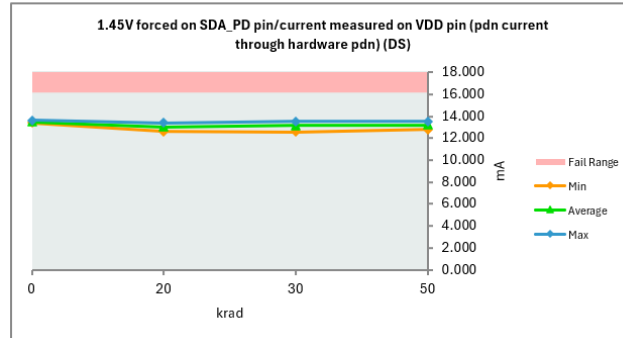


Figure 3-2. VDD Power Down Current 5V Supply HDR Result

VDD=5V 1.29G Fund_Tone1 dBFS Pout=-4 dBm/tone Post (DS)				
Max Limit	-13.07	dBFS		
Min Limit	-15.07	dBFS		
krad	0	20	30	50
LL	-15.070	-15.070	-15.070	-15.070
Min	-14.342	-14.689	-14.391	-14.431
Average	-14.333	-14.257	-14.260	-14.369
Max	-14.325	-13.984	-14.163	-14.293
UL	-13.070	-13.070	-13.070	-13.070

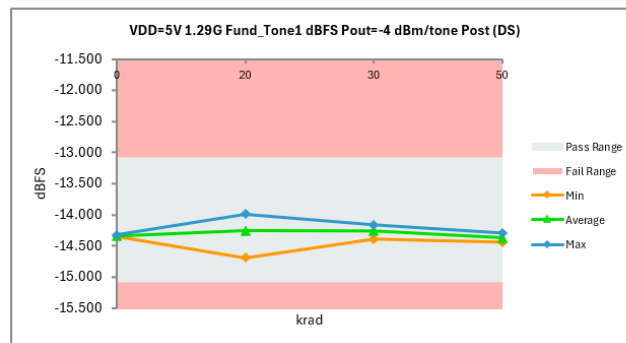


Figure 3-3. Power Gain Indicative Test at f1 = 1.29GHz HDR Result

## 4 Applicable and Reference Documents

Texas Instruments, [TRF0108-SEP](#), datasheet.

### 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 is found at the DLA website.

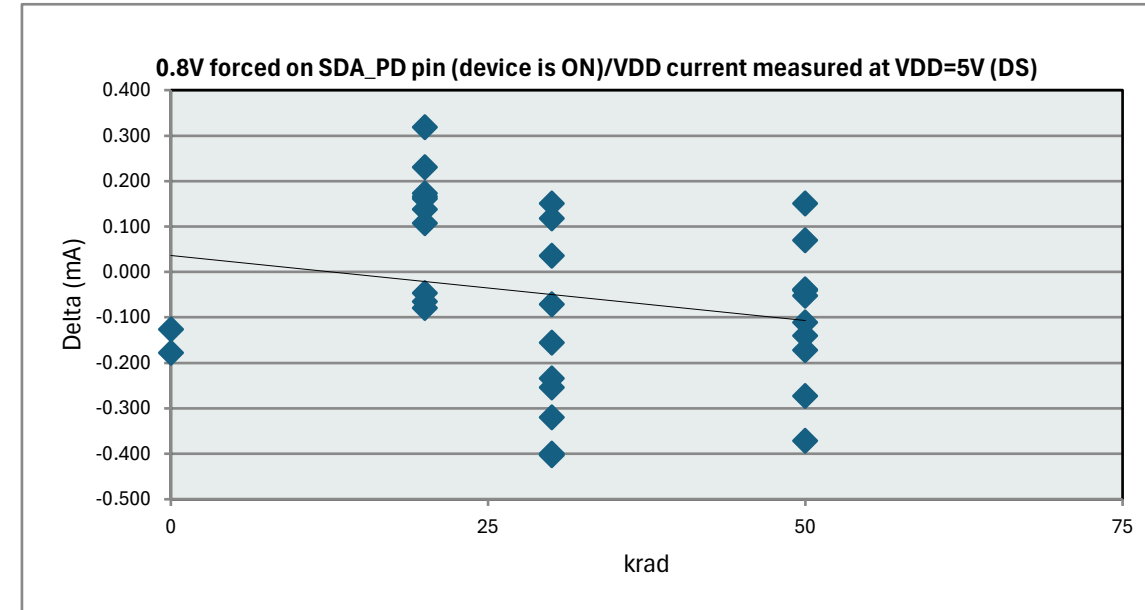
## 5 HDR Total Ionizing Dose Report

This appendix provides the full TRF0108-SEP HDR (biased and unbiased) TID report.

TID HDR Report  
TRF0108-SEP

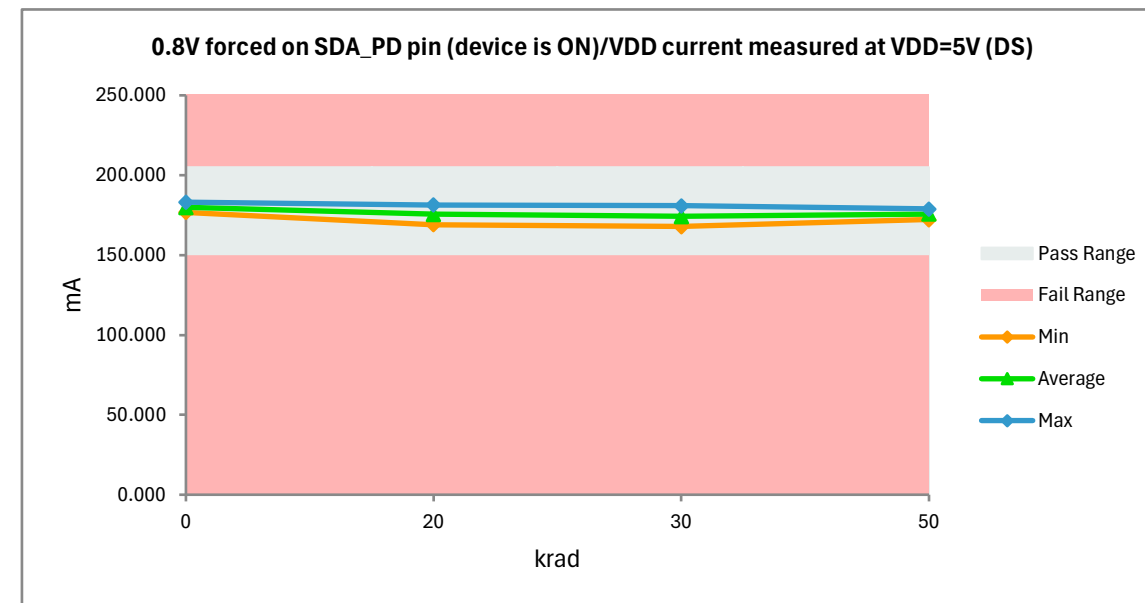
0.8V forced on SDA\_PD pin (device is ON)/VDD current measured at VDD=5V (DS)

Unit		mA	mA			
Max Limit		204.9	204.9			
Min Limit		150	150			
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	183.000	183.126	-0.126	-0.07%	0.23%
0	C2	176.529	176.707	-0.178	-0.10%	0.32%
20	1	169.202	169.028	0.173	0.10%	0.32%
20	2	173.038	172.807	0.231	0.13%	0.42%
20	3	181.503	181.395	0.108	0.06%	0.20%
20	4	178.486	178.320	0.166	0.09%	0.30%
20	5	175.446	175.128	0.319	0.18%	0.58%
20	6U	178.456	178.319	0.138	0.08%	0.25%
20	7U	179.314	179.380	-0.065	-0.04%	0.12%
20	8U	175.040	175.119	-0.079	-0.04%	0.14%
20	9U	171.943	171.990	-0.046	-0.03%	0.08%
20	10U	174.995	174.834	0.161	0.09%	0.29%
30	11	178.031	178.186	-0.155	-0.09%	0.28%
30	12	167.874	167.945	-0.070	-0.04%	0.13%
30	13	175.073	174.955	0.118	0.07%	0.22%
30	14	174.035	174.269	-0.234	-0.13%	0.43%
30	15	173.940	173.789	0.151	0.09%	0.27%
30	16U	180.507	180.910	-0.402	-0.22%	0.73%
30	17U	170.223	170.476	-0.253	-0.15%	0.46%
30	18U	176.824	177.223	-0.399	-0.23%	0.73%
30	19U	171.227	171.192	0.036	0.02%	0.06%
30	20U	173.784	174.103	-0.319	-0.18%	0.58%
50	21	177.348	177.458	-0.110	-0.06%	0.20%
50	22	178.897	178.949	-0.052	-0.03%	0.10%
50	23	176.413	176.784	-0.371	-0.21%	0.68%
50	24	177.188	177.118	0.070	0.04%	0.13%
50	25	174.475	174.512	-0.038	-0.02%	0.07%
50	26U	176.382	176.522	-0.139	-0.08%	0.25%
50	27U	171.915	172.188	-0.273	-0.16%	0.50%
50	28U	172.440	172.611	-0.171	-0.10%	0.31%
50	29U	176.923	176.772	0.151	0.09%	0.27%
50	30U	173.495	173.536	-0.041	-0.02%	0.07%
Max		183.000	183.126	0.319	0.18%	0.73%
Average		175.436	175.489	-0.053	-0.03%	0.30%
Min		167.874	167.945	-0.402	-0.23%	0.06%
Std Dev		3.493	3.507	0.193	0.11%	0.19%



0.8V forced on SDA\_PD pin (device is ON)/VDD current measured at VDD=5V (DS)

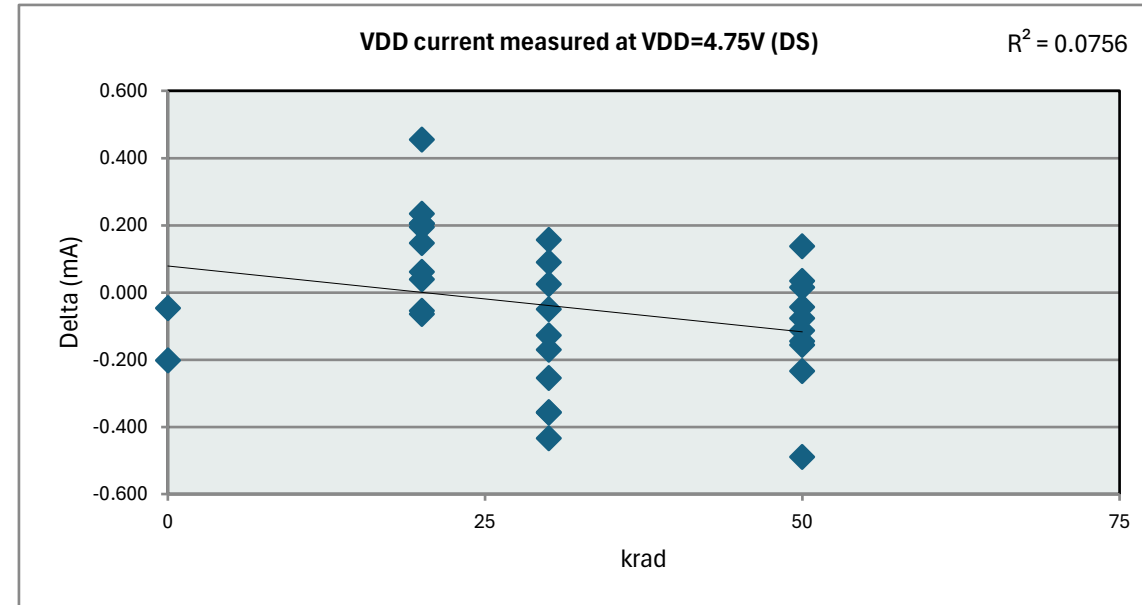
Unit		mA			
Max Limit		204.9			
Min Limit		150			
krad	0	20	30	50	
LL	150.000	150.000	150.000	150.000	
Min	176.707	169.028	167.945	172.188	
Average	179.916	175.632	174.305	175.645	
Max	183.126	181.395	180.910	178.949	
UL	204.900	204.900	204.900	204.900	



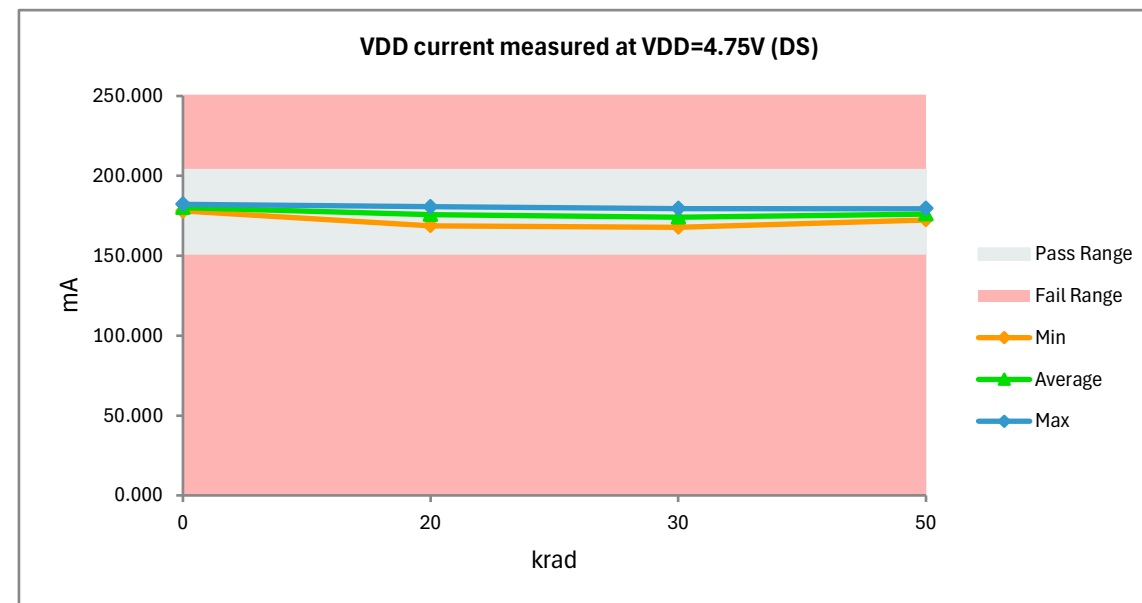


TID HDR Report  
TRF0108-SEP

		VDD current measured at VDD=4.75V (DS)				
Unit		mA	mA			
Max Limit		203.7	203.7			
Min Limit		150.6	150.6			
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	182.156	182.204	-0.048	-0.03%	0.09%
0	C2	177.851	178.054	-0.203	-0.11%	0.38%
20	1	168.942	168.748	0.194	0.11%	0.37%
20	2	172.942	172.709	0.233	0.13%	0.44%
20	3	180.581	180.521	0.061	0.03%	0.11%
20	4	179.746	179.542	0.204	0.11%	0.38%
20	5	176.391	175.937	0.454	0.26%	0.86%
20	6U	177.911	177.764	0.147	0.08%	0.28%
20	7U	180.660	180.724	-0.065	-0.04%	0.12%
20	8U	174.176	174.138	0.038	0.02%	0.07%
20	9U	171.902	171.957	-0.055	-0.03%	0.10%
20	10U	176.337	176.132	0.205	0.12%	0.39%
30	11	179.124	179.175	-0.051	-0.03%	0.10%
30	12	167.672	167.800	-0.128	-0.08%	0.24%
30	13	174.803	174.714	0.088	0.05%	0.17%
30	14	173.791	174.047	-0.256	-0.15%	0.48%
30	15	173.835	173.679	0.156	0.09%	0.29%
30	16U	179.318	179.488	-0.171	-0.10%	0.32%
30	17U	170.112	170.469	-0.357	-0.21%	0.67%
30	18U	176.584	177.019	-0.435	-0.25%	0.82%
30	19U	170.986	170.962	0.024	0.01%	0.05%
30	20U	173.549	173.908	-0.359	-0.21%	0.68%
50	21	178.745	178.859	-0.114	-0.06%	0.21%
50	22	179.589	179.556	0.033	0.02%	0.06%
50	23	177.691	177.837	-0.146	-0.08%	0.27%
50	24	177.559	177.544	0.015	0.01%	0.03%
50	25	174.273	174.350	-0.077	-0.04%	0.15%
50	26U	176.777	176.935	-0.158	-0.09%	0.30%
50	27U	172.856	173.346	-0.490	-0.28%	0.92%
50	28U	172.228	172.462	-0.235	-0.14%	0.44%
50	29U	178.036	177.900	0.137	0.08%	0.26%
50	30U	173.254	173.298	-0.044	-0.03%	0.08%
	Max	182.156	182.204	0.454	0.26%	0.92%
	Average	175.637	175.681	-0.044	-0.03%	0.32%
	Min	167.672	167.800	-0.490	-0.28%	0.03%
	Std Dev	3.634	3.608	0.210	0.12%	0.25%



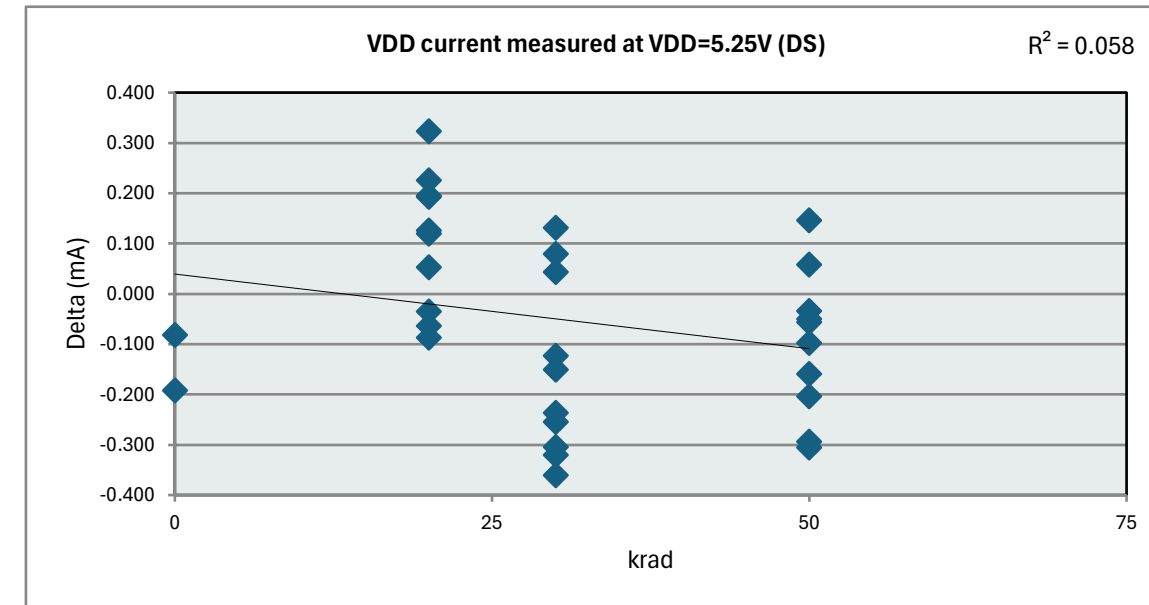
		VDD current measured at VDD=4.75V (DS)			
Max Limit	203.7	mA			
Min Limit	150.6	mA			
krad	0	20	30	50	
LL	150.600	150.600	150.600	150.600	
Min	178.054	168.748	167.800	172.462	
Average	180.129	175.817	174.126	176.209	
Max	182.204	180.724	179.488	179.556	
UL	203.700	203.700	203.700	203.700	



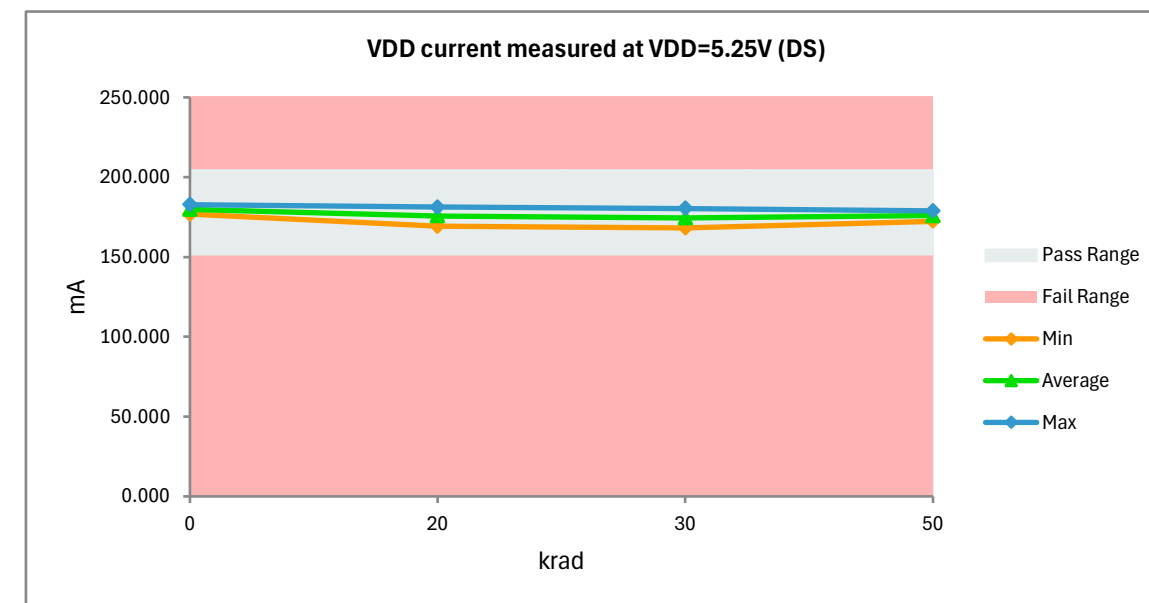
# TID HDR Report

## TRF0108-SEP

		VDD current measured at VDD=5.25V (DS)				
Unit		mA	mA			
Max Limit		204.3	204.3			
Min Limit		150.9	150.9			
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	182.680	182.762	-0.082	-0.04%	0.15%
0	C2	176.690	176.881	-0.192	-0.11%	0.36%
20	1	169.525	169.299	0.226	0.13%	0.42%
20	2	173.339	173.146	0.193	0.11%	0.36%
20	3	181.222	181.169	0.053	0.03%	0.10%
20	4	178.637	178.442	0.195	0.11%	0.37%
20	5	175.639	175.316	0.323	0.18%	0.60%
20	6U	178.304	178.178	0.126	0.07%	0.24%
20	7U	179.492	179.555	-0.064	-0.04%	0.12%
20	8U	174.750	174.785	-0.035	-0.02%	0.07%
20	9U	172.189	172.276	-0.087	-0.05%	0.16%
20	10U	175.175	175.055	0.120	0.07%	0.22%
30	11	178.165	178.316	-0.151	-0.08%	0.28%
30	12	168.096	168.220	-0.123	-0.07%	0.23%
30	13	175.309	175.229	0.080	0.05%	0.15%
30	14	174.298	174.553	-0.254	-0.15%	0.48%
30	15	174.232	174.100	0.132	0.08%	0.25%
30	16U	180.067	180.387	-0.320	-0.18%	0.60%
30	17U	170.473	170.709	-0.236	-0.14%	0.44%
30	18U	177.140	177.501	-0.361	-0.20%	0.68%
30	19U	171.467	171.424	0.044	0.03%	0.08%
30	20U	174.079	174.383	-0.304	-0.17%	0.57%
50	21	177.514	177.611	-0.097	-0.05%	0.18%
50	22	178.880	178.913	-0.033	-0.02%	0.06%
50	23	176.478	176.784	-0.306	-0.17%	0.57%
50	24	177.424	177.365	0.059	0.03%	0.11%
50	25	174.781	174.837	-0.057	-0.03%	0.11%
50	26U	176.604	176.762	-0.158	-0.09%	0.30%
50	27U	172.119	172.413	-0.294	-0.17%	0.55%
50	28U	172.681	172.884	-0.204	-0.12%	0.38%
50	29U	177.145	176.998	0.147	0.08%	0.27%
50	30U	173.761	173.810	-0.049	-0.03%	0.09%
	Max	182.680	182.762	0.323	0.18%	0.68%
	Average	175.574	175.627	-0.053	-0.03%	0.30%
	Min	168.096	168.220	-0.361	-0.20%	0.06%
	Std Dev	3.361	3.365	0.182	0.10%	0.19%



		VDD current measured at VDD=5.25V (DS)			
Max Limit		204.3	mA		
Min Limit		150.9	mA		
krad		0	20	30	50
LL		150.900	150.900	150.900	150.900
Min		176.881	169.299	168.220	172.413
Average		179.822	175.722	174.482	175.838
Max		182.762	181.169	180.387	178.913
UL		204.300	204.300	204.300	204.300

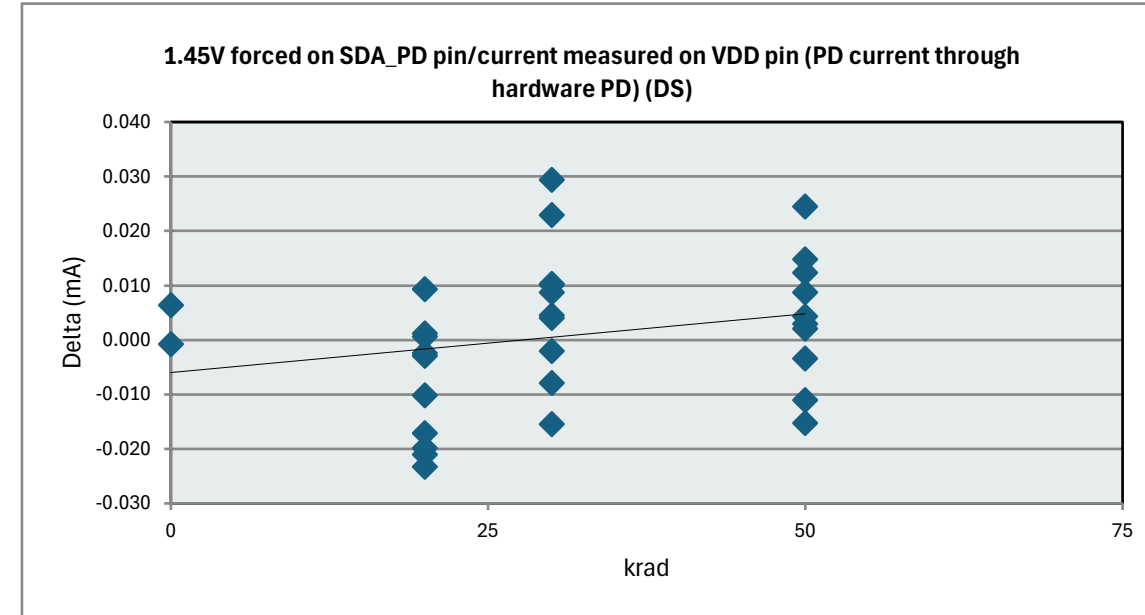


TID HDR Report  
TRF0108-SEP

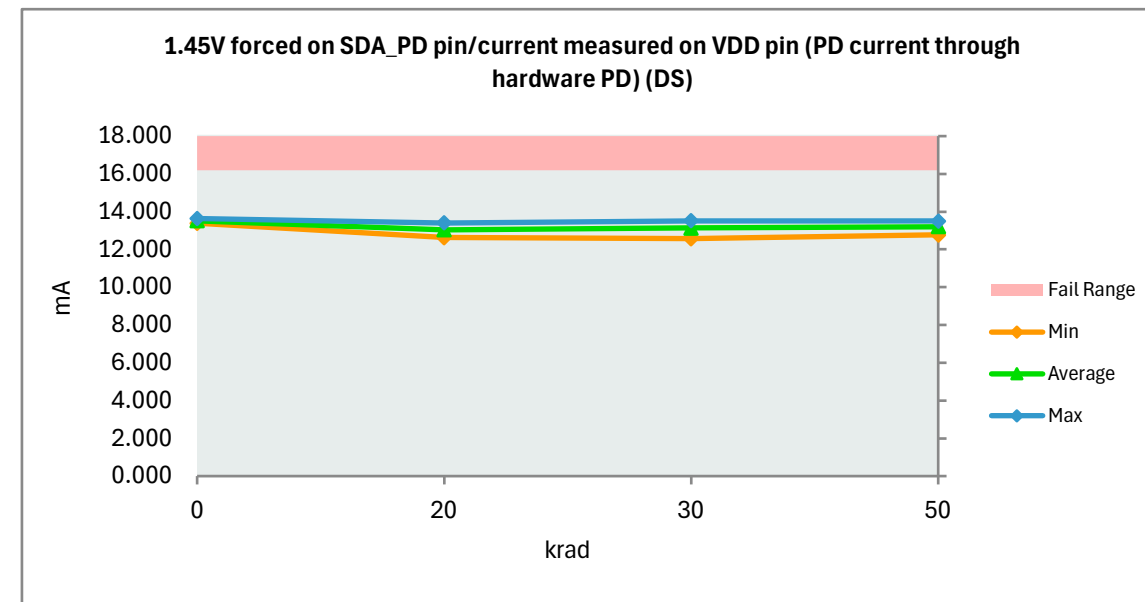
1.45V forced on SDA\_PD pin/current measured on VDD pin  
(PD current through hardware PD) (DS)

Unit	mA	mA
Max Limit	16.2	16.2
Min Limit		

krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	13.643	13.637	0.006	0.05%	0.04%
0	C2	13.388	13.388	-0.001	-0.01%	0.00%
20	1	12.618	12.621	-0.003	-0.02%	0.02%
20	2	12.903	12.926	-0.023	-0.18%	0.14%
20	3	13.272	13.292	-0.020	-0.15%	0.12%
20	4	13.071	13.062	0.009	0.07%	0.06%
20	5	13.057	13.078	-0.021	-0.16%	0.13%
20	6U	13.276	13.275	0.001	0.01%	0.01%
20	7U	13.396	13.398	-0.002	-0.02%	0.01%
20	8U	12.900	12.917	-0.017	-0.13%	0.11%
20	9U	12.759	12.769	-0.010	-0.08%	0.06%
20	10U	13.021	13.020	0.001	0.00%	0.00%
30	11	13.494	13.510	-0.015	-0.11%	0.10%
30	12	12.584	12.574	0.010	0.08%	0.06%
30	13	13.111	13.081	0.029	0.22%	0.18%
30	14	13.250	13.239	0.010	0.08%	0.06%
30	15	13.237	13.214	0.023	0.17%	0.14%
30	16U	13.434	13.430	0.004	0.03%	0.02%
30	17U	12.644	12.639	0.005	0.04%	0.03%
30	18U	13.375	13.377	-0.002	-0.02%	0.01%
30	19U	13.097	13.088	0.009	0.07%	0.05%
30	20U	13.226	13.234	-0.008	-0.06%	0.05%
50	21	13.239	13.254	-0.015	-0.12%	0.09%
50	22	13.345	13.320	0.024	0.18%	0.15%
50	23	12.937	12.940	-0.003	-0.03%	0.02%
50	24	13.511	13.509	0.002	0.01%	0.01%
50	25	13.156	13.142	0.015	0.11%	0.09%
50	26U	13.344	13.341	0.003	0.02%	0.02%
50	27U	12.754	12.765	-0.011	-0.09%	0.07%
50	28U	13.199	13.191	0.009	0.07%	0.05%
50	29U	13.356	13.344	0.012	0.09%	0.08%
50	30U	13.240	13.235	0.004	0.03%	0.03%
Max		13.643	13.637	0.029	0.22%	0.18%
Average		13.151	13.150	0.001	0.01%	0.06%
Min		12.584	12.574	-0.023	-0.18%	0.00%
Std Dev		0.273	0.271	0.013	0.10%	0.05%

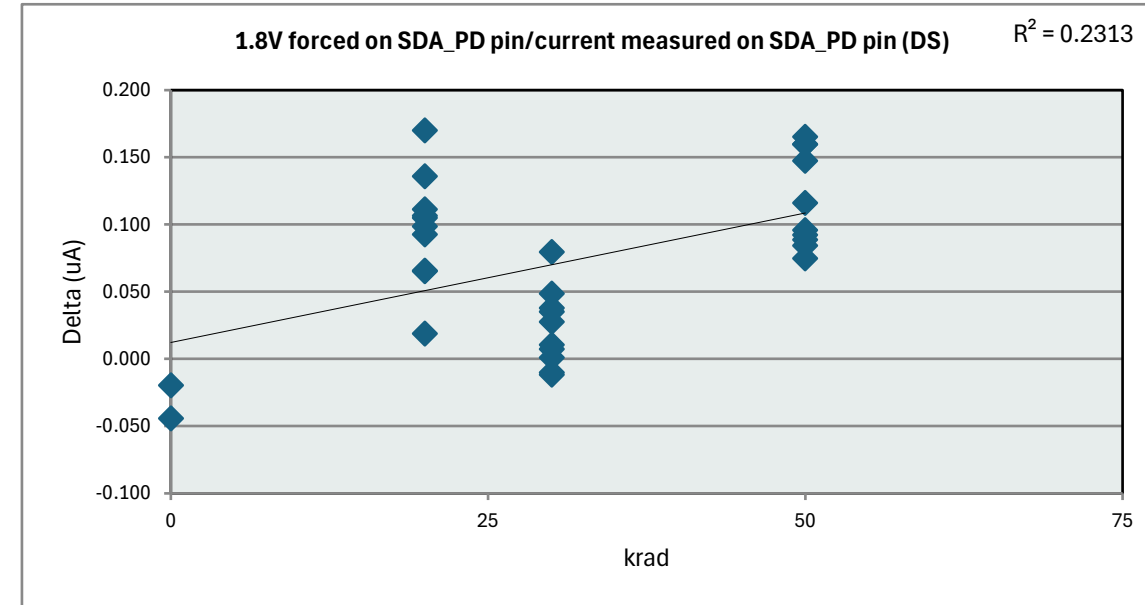


		1.45V forced on SDA_PD pin/c			
		0	20	30	50
Max Limit		16.2		mA	
Min Limit				mA	
krad		0	20	30	50
LL					
Min		13.388	12.621	12.574	12.765
Average		13.513	13.036	13.139	13.204
Max		13.637	13.398	13.510	13.509
UL		16.200	16.200	16.200	16.200

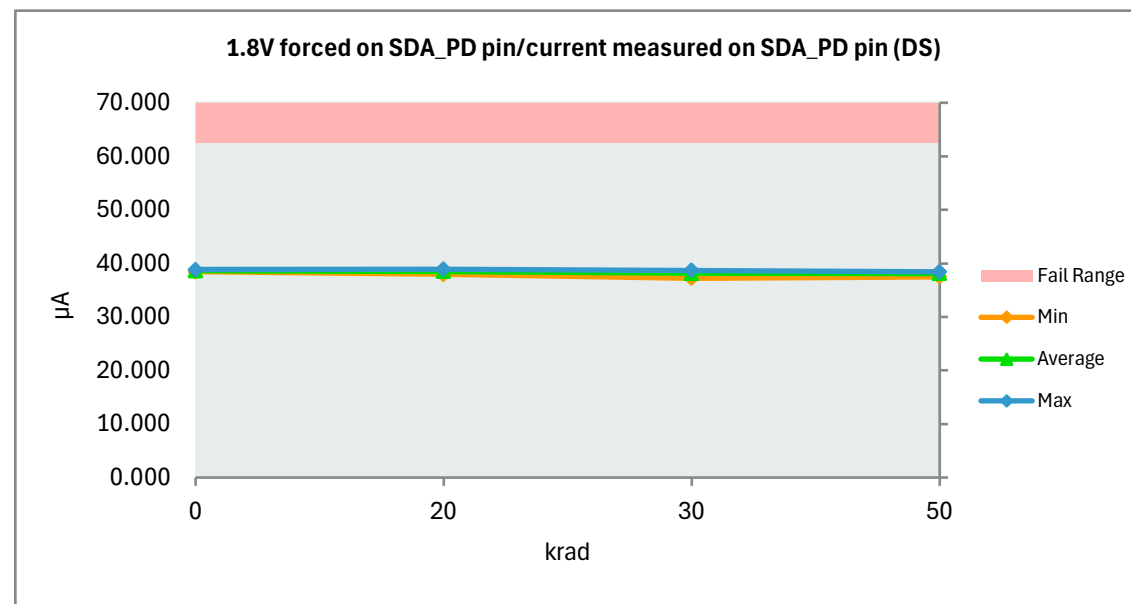


TID HDR Report  
TRF0108-SEP

1.8V forced on SDA_PD pin/current measured on SDA_PD pin (DS)						
Unit		µA	µA			
Max Limit		62.5	62.5			
Min Limit						
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	38.786	38.830	-0.044	-0.11%	0.07%
0	C2	38.438	38.457	-0.020	-0.05%	0.03%
20	1	38.167	38.056	0.111	0.29%	0.18%
20	2	38.914	38.848	0.066	0.17%	0.11%
20	3	38.762	38.669	0.093	0.24%	0.15%
20	4	39.077	38.906	0.170	0.44%	0.27%
20	5	38.818	38.799	0.019	0.05%	0.03%
20	6U	38.774	38.638	0.136	0.35%	0.22%
20	7U	38.735	38.630	0.105	0.27%	0.17%
20	8U	38.214	38.115	0.099	0.26%	0.16%
20	9U	38.035	37.969	0.065	0.17%	0.10%
20	10U	38.476	38.370	0.106	0.28%	0.17%
30	11	38.656	38.668	-0.012	-0.03%	0.02%
30	12	37.443	37.405	0.038	0.10%	0.06%
30	13	38.651	38.571	0.080	0.21%	0.13%
30	14	38.011	37.975	0.035	0.09%	0.06%
30	15	38.730	38.681	0.049	0.13%	0.08%
30	16U	38.424	38.413	0.011	0.03%	0.02%
30	17U	37.217	37.209	0.008	0.02%	0.01%
30	18U	38.696	38.706	-0.010	-0.03%	0.02%
30	19U	37.806	37.805	0.001	0.00%	0.00%
30	20U	38.280	38.252	0.028	0.07%	0.04%
50	21	38.173	38.056	0.116	0.30%	0.19%
50	22	38.519	38.360	0.160	0.41%	0.26%
50	23	38.135	37.975	0.160	0.42%	0.26%
50	24	38.369	38.222	0.148	0.38%	0.24%
50	25	38.239	38.074	0.165	0.43%	0.26%
50	26U	38.171	38.082	0.089	0.23%	0.14%
50	27U	37.577	37.485	0.092	0.25%	0.15%
50	28U	38.256	38.171	0.085	0.22%	0.14%
50	29U	38.032	37.936	0.096	0.25%	0.15%
50	30U	38.503	38.428	0.075	0.20%	0.12%
	Max	39.077	38.906	0.170	0.44%	0.27%
	Average	38.346	38.274	0.072	0.19%	0.12%
	Min	37.217	37.209	-0.044	-0.11%	0.00%
	Std Dev	0.432	0.431	0.059	0.15%	0.08%

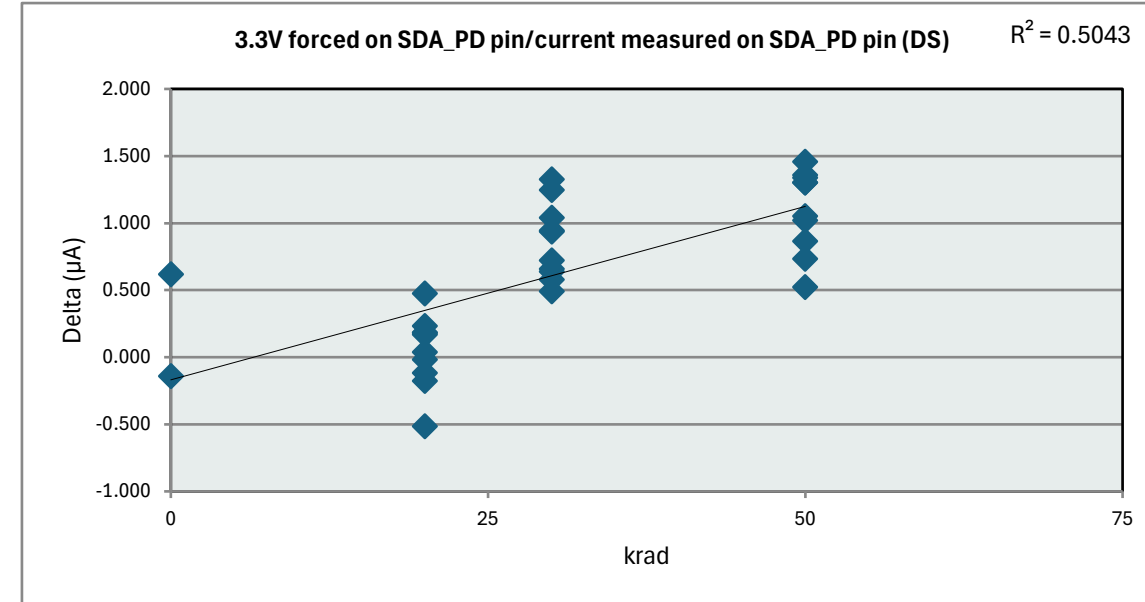


1.8V forced on SDA_PD pin/current measured on SDA_PD pin (DS)				
Max Limit	62.5	µA		
Min Limit		µA		
krad	0	20	30	50
LL				
Min	38.457	37.969	37.209	37.485
Average	38.644	38.500	38.169	38.079
Max	38.830	38.906	38.706	38.428
UL	62.500	62.500	62.500	62.500

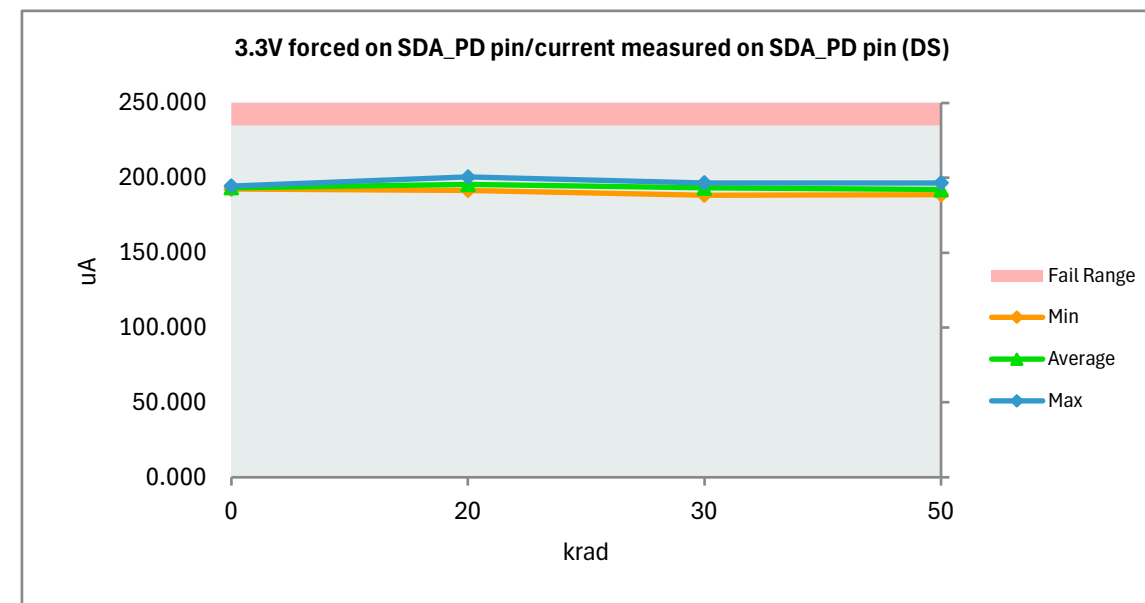


TID HDR Report  
TRF0108-SEP

3.3V forced on SDA_PD pin/current measured on SDA_PD pin (DS)						
Unit		µA	µA			
Max Limit		235	235			
Min Limit						
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	194.373	194.516	-0.142	-0.07%	0.06%
0	C2	193.162	192.544	0.617	0.32%	0.26%
20	1	196.021	195.544	0.477	0.24%	0.20%
20	2	198.317	198.281	0.036	0.02%	0.02%
20	3	195.178	195.296	-0.119	-0.06%	0.05%
20	4	200.839	200.656	0.182	0.09%	0.08%
20	5	191.145	191.658	-0.513	-0.27%	0.22%
20	6U	197.675	197.490	0.185	0.09%	0.08%
20	7U	194.607	194.624	-0.016	-0.01%	0.01%
20	8U	192.235	192.066	0.169	0.09%	0.07%
20	9U	193.875	194.051	-0.176	-0.09%	0.07%
20	10U	197.009	196.775	0.234	0.12%	0.10%
30	11	197.618	196.675	0.943	0.48%	0.40%
30	12	191.637	190.997	0.639	0.33%	0.27%
30	13	196.594	195.555	1.039	0.53%	0.44%
30	14	192.228	190.902	1.326	0.69%	0.56%
30	15	197.703	196.456	1.247	0.63%	0.53%
30	16U	194.678	194.185	0.493	0.25%	0.21%
30	17U	189.051	188.392	0.659	0.35%	0.28%
30	18U	196.442	195.721	0.721	0.37%	0.31%
30	19U	189.752	189.175	0.577	0.30%	0.25%
30	20U	195.379	194.441	0.938	0.48%	0.40%
50	21	192.991	191.634	1.357	0.70%	0.58%
50	22	198.021	196.685	1.336	0.67%	0.57%
50	23	197.338	195.880	1.457	0.74%	0.62%
50	24	192.587	191.284	1.303	0.68%	0.55%
50	25	192.089	190.789	1.301	0.68%	0.55%
50	26U	194.477	193.743	0.734	0.38%	0.31%
50	27U	189.928	188.906	1.022	0.54%	0.43%
50	28U	193.549	192.686	0.863	0.45%	0.37%
50	29U	191.335	190.812	0.523	0.27%	0.22%
50	30U	190.890	189.837	1.053	0.55%	0.45%
	Max	200.839	200.656	1.457	0.74%	0.62%
	Average	194.335	193.695	0.640	0.33%	0.30%
	Min	189.051	188.392	-0.513	-0.27%	0.01%
	Std Dev	2.914	2.989	0.537	0.28%	0.19%

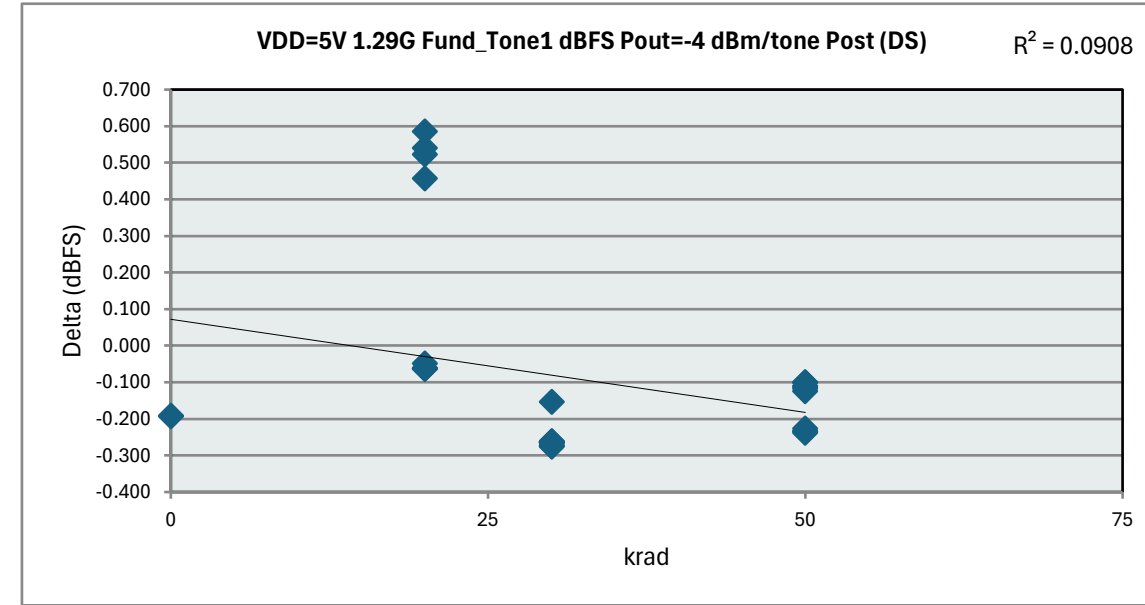


3.3V forced on SDA_PD pin/current measured on SDA_PD pin (DS)				
Max Limit	235	µA		
Min Limit		µA		
krad	0	20	30	50
LL				
Min	192.544	191.658	188.392	188.906
Average	193.530	195.644	193.250	192.226
Max	194.516	200.656	196.675	196.685
UL	235.000	235.000	235.000	235.000

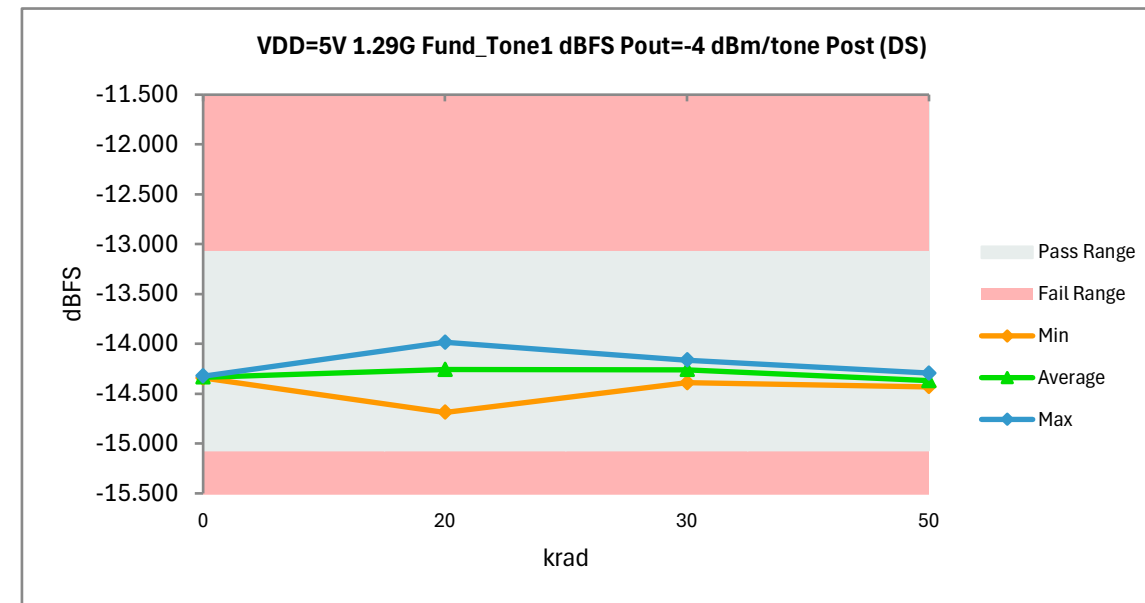


TID HDR Report  
TRF0108-SEP

VDD=5V 1.29G Fund_Tone1 dBFS Pout=-4 dBm/tone Post (DS)						
Unit		dBFS	dBFS			
Max Limit		-13.07	-13.07			
Min Limit		-15.07	-15.07			
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	-14.515	-14.325	-0.190	1.31%	9.52%
0	C2	-14.535	-14.342	-0.193	1.33%	9.66%
20	1	-14.103	-14.689	0.586	-4.15%	29.29%
20	2	-14.055	-14.595	0.541	-3.85%	27.03%
20	3	-14.057	-14.580	0.523	-3.72%	26.17%
20	4	-14.045	-13.984	-0.061	0.44%	3.06%
20	5	-14.045	-14.503	0.458	-3.26%	22.91%
20	6U	-14.072	-14.011	-0.061	0.43%	3.06%
20	7U	-14.137	-14.074	-0.063	0.45%	3.15%
20	8U	-14.124	-14.075	-0.048	0.34%	2.42%
20	9U	-14.091	-14.028	-0.063	0.44%	3.13%
20	10U	-14.094	-14.033	-0.062	0.44%	3.08%
30	11	-14.544	-14.391	-0.153	1.05%	7.65%
30	12	-14.435	-14.163	-0.273	1.89%	13.63%
30	13	-14.536	-14.270	-0.266	1.83%	13.30%
30	14	-14.528	-14.264	-0.265	1.82%	13.23%
30	15	-14.532	-14.271	-0.261	1.80%	13.07%
30	16U	-14.498	-14.226	-0.272	1.88%	13.61%
30	17U	-14.466	-14.205	-0.261	1.81%	13.07%
30	18U	-14.511	-14.235	-0.276	1.90%	13.78%
30	19U	-14.545	-14.282	-0.264	1.81%	13.19%
30	20U	-14.556	-14.292	-0.264	1.82%	13.21%
50	21	-14.555	-14.431	-0.124	0.85%	6.20%
50	22	-14.545	-14.318	-0.226	1.56%	11.32%
50	23	-14.523	-14.424	-0.099	0.68%	4.93%
50	24	-14.530	-14.429	-0.101	0.70%	5.05%
50	25	-14.520	-14.408	-0.112	0.77%	5.61%
50	26U	-14.560	-14.323	-0.237	1.63%	11.85%
50	27U	-14.489	-14.372	-0.117	0.81%	5.86%
50	28U	-14.526	-14.293	-0.233	1.61%	11.66%
50	29U	-14.494	-14.385	-0.109	0.75%	5.45%
50	30U	-14.537	-14.303	-0.234	1.61%	11.69%
	Max	-14.045	-13.984	0.586	1.90%	29.29%
	Average	-14.384	-14.298	-0.087	0.59%	10.93%
	Min	-14.560	-14.689	-0.276	-4.15%	2.42%
	Std Dev	0.209	0.172	0.249	1.75%	7.18%

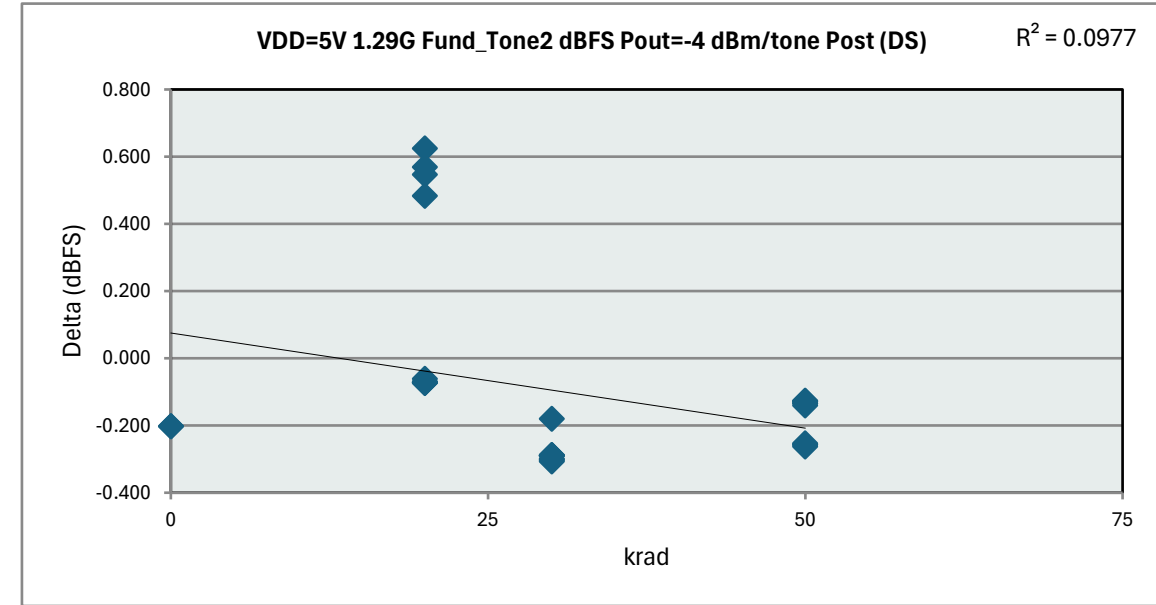


VDD=5V 1.29G Fund_Tone1 dBFS Pout=-4 dBm/tone Post (DS)				
Unit		dBFS	dBFS	
Max Limit		-13.07	-13.07	
Min Limit		-15.07	-15.07	
krad	0	20	30	50
LL	-15.070	-15.070	-15.070	-15.070
Min	-14.342	-14.689	-14.391	-14.431
Average	-14.333	-14.257	-14.260	-14.369
Max	-14.325	-13.984	-14.163	-14.293
UL	-13.070	-13.070	-13.070	-13.070

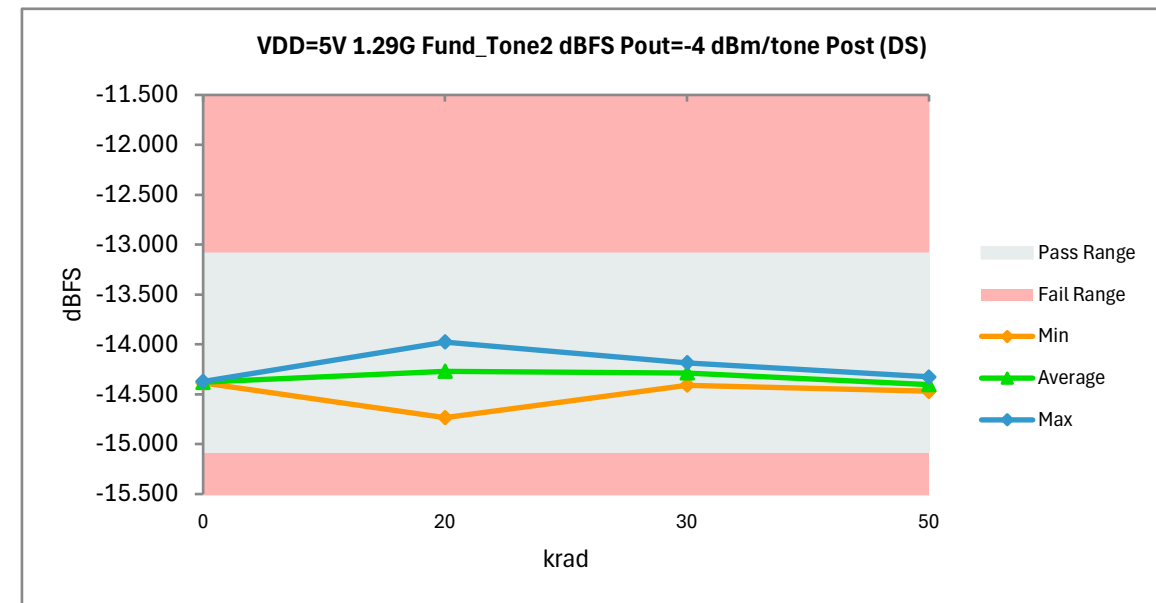


TID HDR Report  
TRF0108-SEP

VDD=5V 1.29G Fund_Tone2 dBFS Pout=-4 dBm/tone Post (DS)						
Unit		dBFS	dBFS			
Max Limit		-13.08	-13.08			
Min Limit		-15.08	-15.08			
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	-14.574	-14.372	-0.203	1.39%	10.14%
0	C2	-14.588	-14.386	-0.202	1.39%	10.10%
20	1	-14.109	-14.734	0.625	-4.43%	31.25%
20	2	-14.065	-14.635	0.570	-4.05%	28.49%
20	3	-14.070	-14.618	0.548	-3.89%	27.38%
20	4	-14.050	-13.977	-0.073	0.52%	3.64%
20	5	-14.053	-14.536	0.483	-3.44%	24.15%
20	6U	-14.077	-14.008	-0.068	0.49%	3.41%
20	7U	-14.142	-14.070	-0.072	0.51%	3.61%
20	8U	-14.130	-14.070	-0.061	0.43%	3.04%
20	9U	-14.097	-14.024	-0.073	0.52%	3.65%
20	10U	-14.103	-14.031	-0.072	0.51%	3.60%
30	11	-14.589	-14.408	-0.180	1.24%	9.02%
30	12	-14.491	-14.184	-0.307	2.12%	15.36%
30	13	-14.586	-14.296	-0.290	1.99%	14.49%
30	14	-14.587	-14.287	-0.299	2.05%	14.97%
30	15	-14.584	-14.294	-0.290	1.99%	14.48%
30	16U	-14.560	-14.258	-0.301	2.07%	15.05%
30	17U	-14.523	-14.235	-0.288	1.98%	14.41%
30	18U	-14.569	-14.266	-0.303	2.08%	15.17%
30	19U	-14.600	-14.309	-0.291	1.99%	14.56%
30	20U	-14.610	-14.323	-0.287	1.97%	14.36%
50	21	-14.611	-14.470	-0.141	0.96%	7.04%
50	22	-14.600	-14.347	-0.252	1.73%	12.62%
50	23	-14.577	-14.452	-0.126	0.86%	6.28%
50	24	-14.592	-14.463	-0.129	0.88%	6.45%
50	25	-14.576	-14.443	-0.133	0.91%	6.66%
50	26U	-14.617	-14.359	-0.258	1.76%	12.89%
50	27U	-14.544	-14.411	-0.133	0.92%	6.67%
50	28U	-14.588	-14.326	-0.262	1.80%	13.11%
50	29U	-14.552	-14.424	-0.128	0.88%	6.39%
50	30U	-14.596	-14.340	-0.256	1.76%	12.81%
	Max	-14.050	-13.977	0.625	2.12%	31.25%
	Average	-14.425	-14.324	-0.102	0.68%	12.04%
	Min	-14.617	-14.734	-0.307	-4.43%	3.04%
	Std Dev	0.232	0.185	0.267	1.88%	7.46%



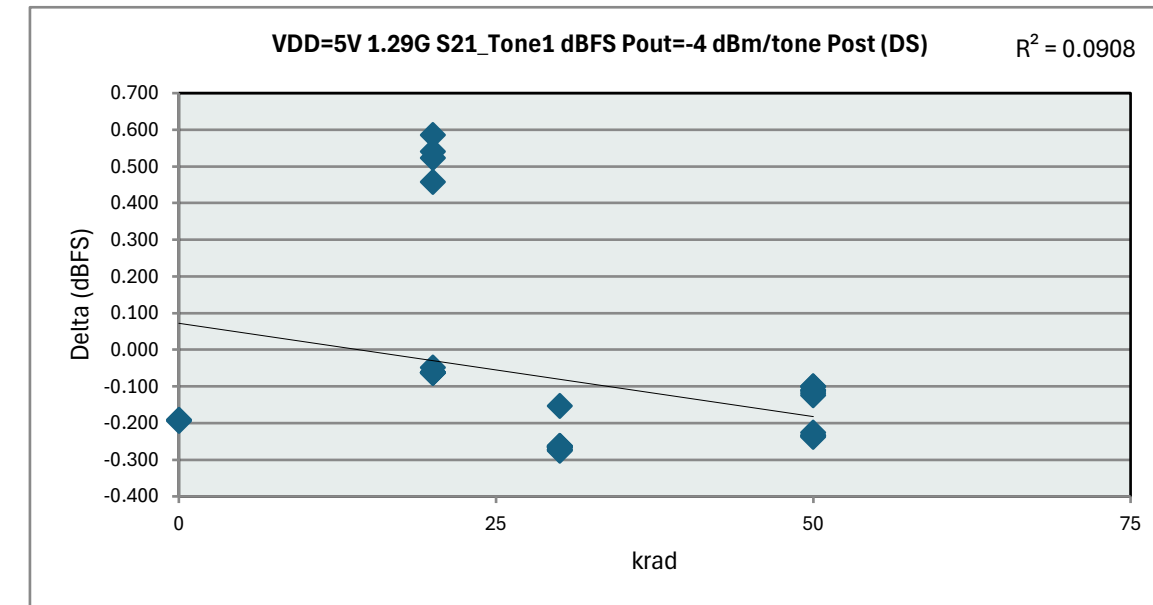
VDD=5V 1.29G Fund_Tone2 dBFS Pout=-4 dBm/tone Post (DS)					
Unit	krad	0	20	30	50
Max Limit		-13.08	-13.08	-13.08	-13.08
Min Limit		-15.08	-15.08	-15.08	-15.08
LL		-15.080	-15.080	-15.080	-15.080
Min		-14.386	-14.734	-14.408	-14.470
Average		-14.379	-14.270	-14.286	-14.403
Max		-14.372	-13.977	-14.184	-14.326
UL		-13.080	-13.080	-13.080	-13.080



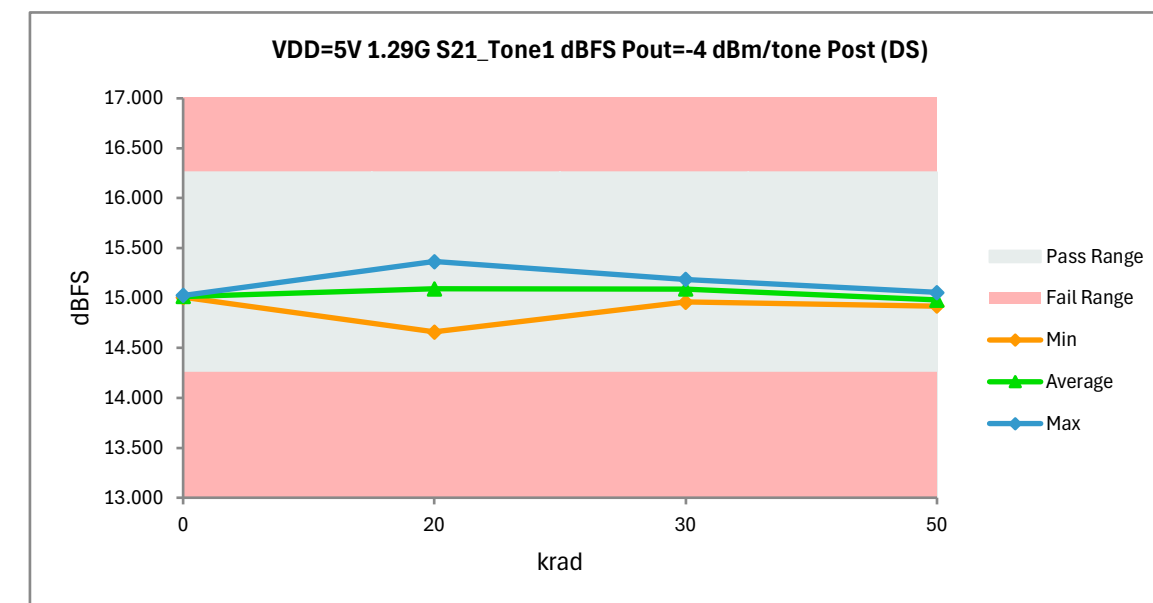
# TID HDR Report

## TRF0108-SEP

VDD=5V 1.29G S21_Tone1 dBFS Pout=-4 dBm/tone Post (DS)						
Unit		dBFS	dBFS			
Max Limit		16.26	16.26			
Min Limit		14.26	14.26			
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	14.835	15.025	-0.190	-1.28%	9.52%
0	C2	14.815	15.008	-0.193	-1.30%	9.66%
20	1	15.247	14.661	0.586	3.84%	29.29%
20	2	15.295	14.755	0.541	3.54%	27.03%
20	3	15.293	14.770	0.523	3.42%	26.17%
20	4	15.305	15.366	-0.061	-0.40%	3.06%
20	5	15.305	14.847	0.458	2.99%	22.91%
20	6U	15.278	15.339	-0.061	-0.40%	3.06%
20	7U	15.213	15.276	-0.063	-0.41%	3.15%
20	8U	15.226	15.275	-0.048	-0.32%	2.42%
20	9U	15.259	15.322	-0.063	-0.41%	3.13%
20	10U	15.256	15.317	-0.062	-0.40%	3.08%
30	11	14.806	14.959	-0.153	-1.03%	7.65%
30	12	14.915	15.187	-0.273	-1.83%	13.63%
30	13	14.814	15.080	-0.266	-1.80%	13.30%
30	14	14.822	15.086	-0.265	-1.78%	13.23%
30	15	14.818	15.079	-0.261	-1.76%	13.07%
30	16U	14.852	15.124	-0.272	-1.83%	13.61%
30	17U	14.884	15.145	-0.261	-1.76%	13.07%
30	18U	14.839	15.115	-0.276	-1.86%	13.78%
30	19U	14.805	15.068	-0.264	-1.78%	13.19%
30	20U	14.794	15.058	-0.264	-1.79%	13.21%
50	21	14.795	14.919	-0.124	-0.84%	6.20%
50	22	14.805	15.032	-0.226	-1.53%	11.32%
50	23	14.827	14.926	-0.099	-0.67%	4.93%
50	24	14.820	14.921	-0.101	-0.68%	5.05%
50	25	14.830	14.942	-0.112	-0.76%	5.61%
50	26U	14.790	15.027	-0.237	-1.60%	11.85%
50	27U	14.861	14.978	-0.117	-0.79%	5.86%
50	28U	14.824	15.057	-0.233	-1.57%	11.66%
50	29U	14.856	14.965	-0.109	-0.73%	5.45%
50	30U	14.813	15.047	-0.234	-1.58%	11.69%
	Max	15.305	15.366	0.586	3.84%	29.29%
	Average	14.966	15.052	-0.087	-0.60%	10.93%
	Min	14.790	14.661	-0.276	-1.86%	2.42%
	Std Dev	0.209	0.172	0.249	1.65%	7.18%



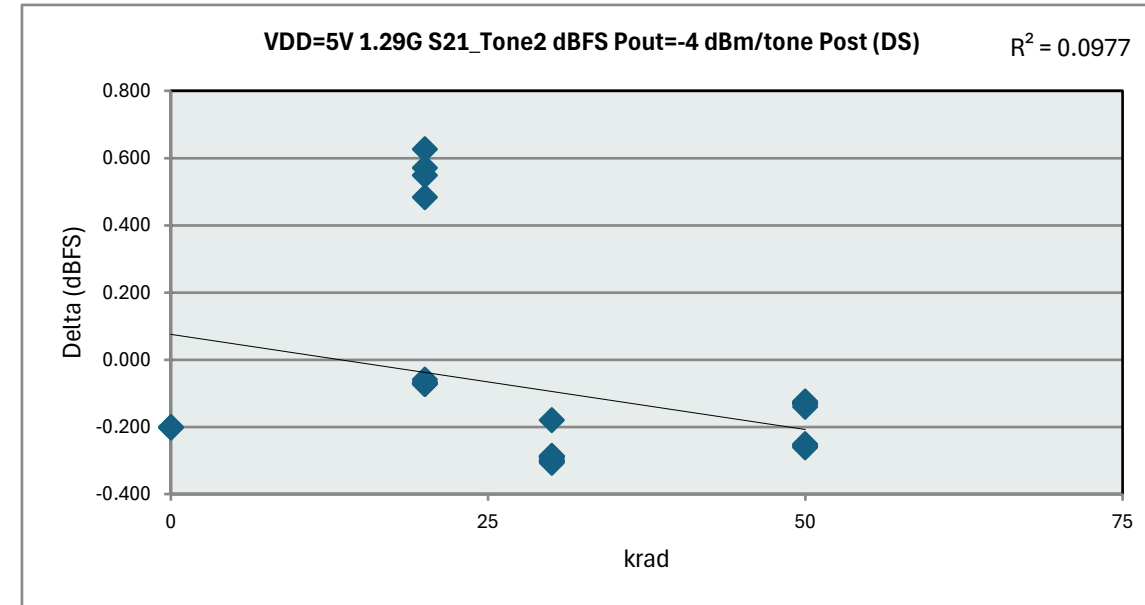
VDD=5V 1.29G S21_Tone1 dBFS Pout=-4 dBm/tone Post (DS)				
Max Limit	16.26	dBFS		
Min Limit	14.26	dBFS		
krad	0	20	30	50
LL	14.260	14.260	14.260	14.260
Min	15.008	14.661	14.959	14.919
Average	15.017	15.093	15.090	14.981
Max	15.025	15.366	15.187	15.057
UL	16.260	16.260	16.260	16.260



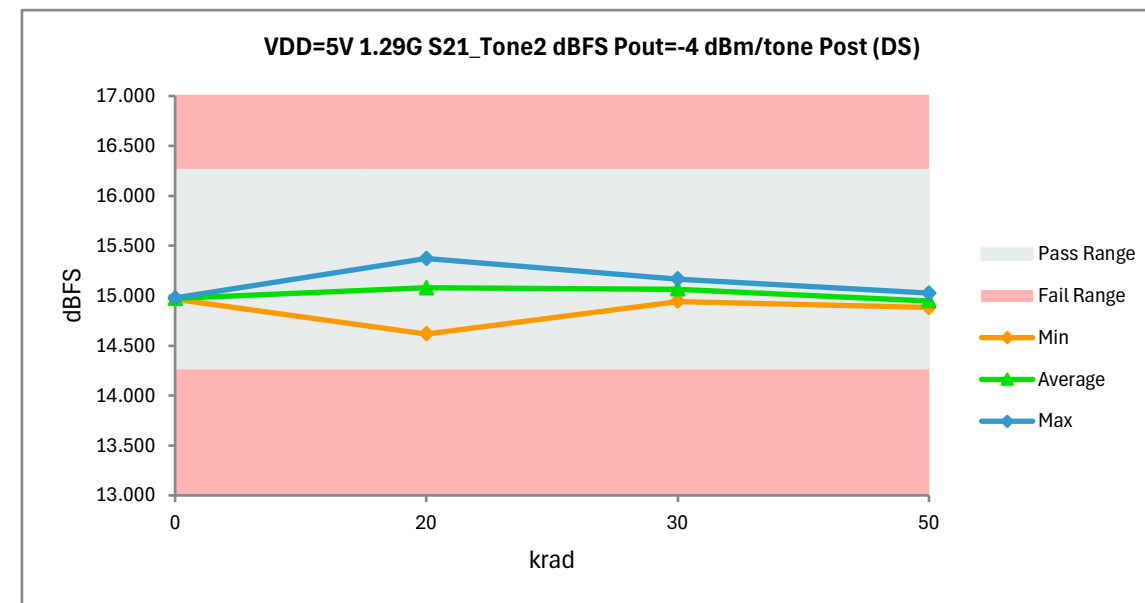


TID HDR Report  
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VDD=5V 1.29G S21_Tone2 dBFS Pout=-4 dBm/tone Post (DS)						
Unit		dBFS	dBFS			
Max Limit		16.26	16.26			
Min Limit		14.26	14.26			
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	14.776	14.978	-0.203	-1.37%	10.14%
0	C2	14.762	14.964	-0.202	-1.37%	10.10%
20	1	15.241	14.616	0.625	4.10%	31.25%
20	2	15.285	14.715	0.570	3.73%	28.49%
20	3	15.280	14.732	0.548	3.58%	27.38%
20	4	15.300	15.373	-0.073	-0.48%	3.64%
20	5	15.297	14.814	0.483	3.16%	24.15%
20	6U	15.273	15.342	-0.068	-0.45%	3.41%
20	7U	15.208	15.280	-0.072	-0.47%	3.61%
20	8U	15.220	15.280	-0.061	-0.40%	3.04%
20	9U	15.253	15.326	-0.073	-0.48%	3.65%
20	10U	15.247	15.319	-0.072	-0.47%	3.60%
30	11	14.761	14.942	-0.180	-1.22%	9.02%
30	12	14.859	15.166	-0.307	-2.07%	15.36%
30	13	14.764	15.054	-0.290	-1.96%	14.49%
30	14	14.763	15.063	-0.299	-2.03%	14.97%
30	15	14.766	15.056	-0.290	-1.96%	14.48%
30	16U	14.790	15.092	-0.301	-2.04%	15.05%
30	17U	14.827	15.115	-0.288	-1.94%	14.41%
30	18U	14.781	15.084	-0.303	-2.05%	15.17%
30	19U	14.750	15.041	-0.291	-1.97%	14.56%
30	20U	14.740	15.027	-0.287	-1.95%	14.36%
50	21	14.739	14.880	-0.141	-0.95%	7.04%
50	22	14.750	15.003	-0.252	-1.71%	12.62%
50	23	14.773	14.898	-0.126	-0.85%	6.28%
50	24	14.758	14.887	-0.129	-0.87%	6.45%
50	25	14.774	14.907	-0.133	-0.90%	6.66%
50	26U	14.733	14.991	-0.258	-1.75%	12.89%
50	27U	14.806	14.939	-0.133	-0.90%	6.67%
50	28U	14.762	15.024	-0.262	-1.78%	13.11%
50	29U	14.798	14.926	-0.128	-0.86%	6.39%
50	30U	14.754	15.010	-0.256	-1.74%	12.81%
Max		15.300	15.373	0.625	4.10%	31.25%
Average		14.925	15.026	-0.102	-0.70%	12.04%
Min		14.733	14.616	-0.307	-2.07%	3.04%
Std Dev		0.232	0.185	0.267	1.77%	7.46%

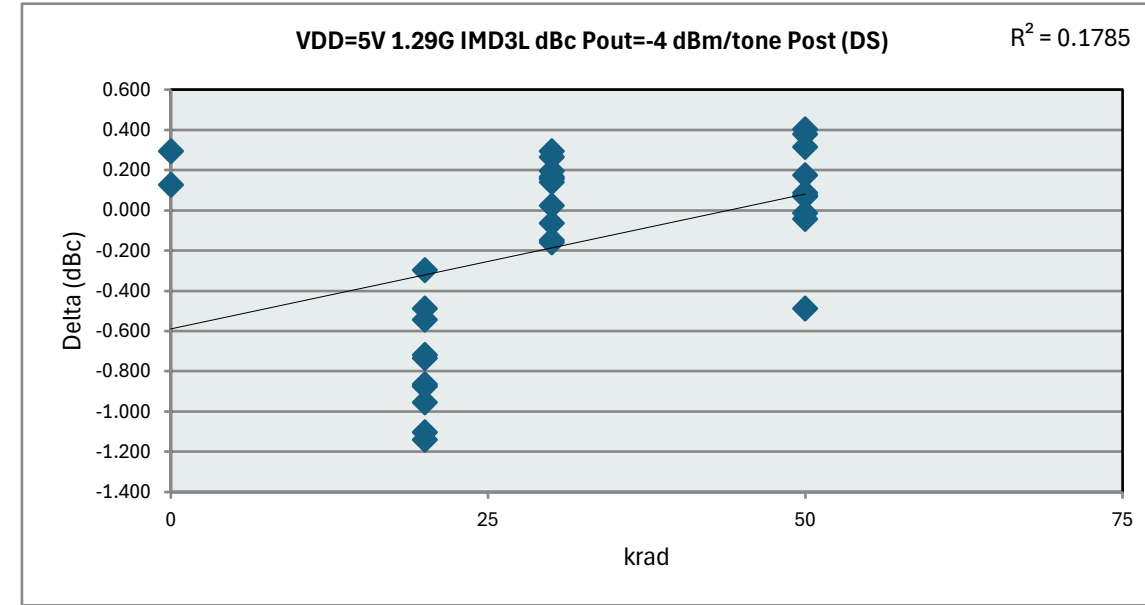


VDD=5V 1.29G S21_Tone2 dBFS Pout=-4 dBm/tone Post (DS)				
Max Limit	16.26	dBFS		
Min Limit	14.26	dBFS		
krad	0	20	30	50
LL	14.260	14.260	14.260	14.260
Min	14.964	14.616	14.942	14.880
Average	14.971	15.080	15.064	14.947
Max	14.978	15.373	15.166	15.024
UL	16.260	16.260	16.260	16.260

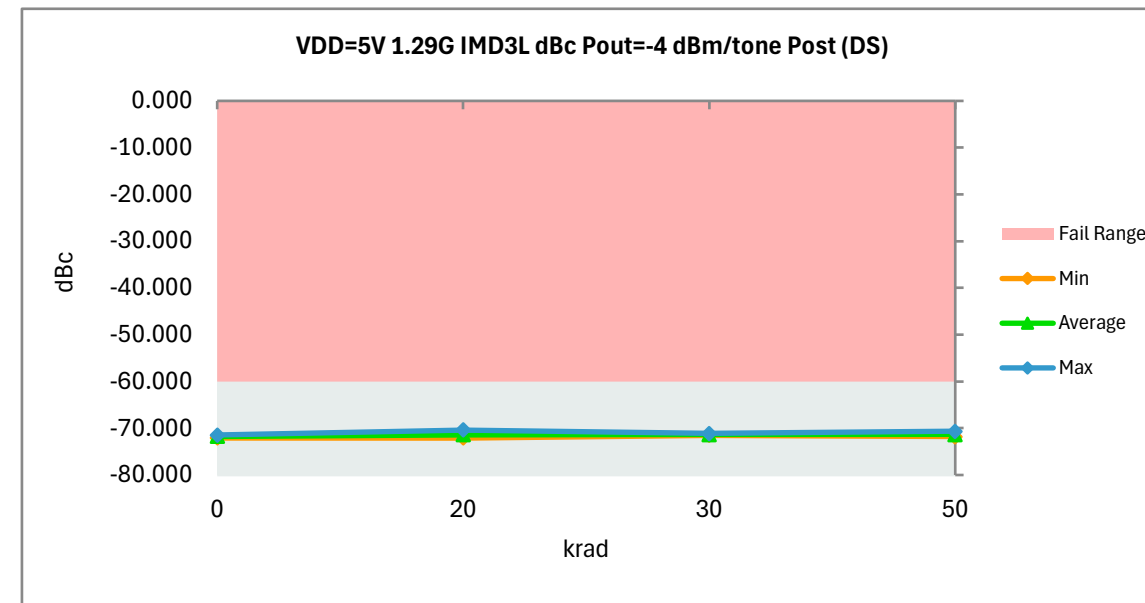


TID HDR Report  
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VDD=5V 1.29G IMD3L dBc Pout=-4 dBm/tone Post (DS)						
Unit		dBc	dBc			
Max Limit		-60	-60			
Min Limit						
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	-71.967	-72.096	0.128	-0.18%	0.21%
0	C2	-71.142	-71.437	0.295	-0.42%	0.49%
20	1	-72.000	-71.047	-0.953	1.32%	1.59%
20	2	-71.537	-70.398	-1.138	1.59%	1.90%
20	3	-72.300	-71.581	-0.719	0.99%	1.20%
20	4	-72.031	-71.543	-0.489	0.68%	0.81%
20	5	-71.785	-71.052	-0.733	1.02%	1.22%
20	6U	-72.329	-71.227	-1.102	1.52%	1.84%
20	7U	-72.602	-72.060	-0.542	0.75%	0.90%
20	8U	-72.319	-71.454	-0.864	1.20%	1.44%
20	9U	-72.438	-71.564	-0.875	1.21%	1.46%
20	10U	-72.200	-71.905	-0.295	0.41%	0.49%
30	11	-71.230	-71.427	0.197	-0.28%	0.33%
30	12	-71.205	-71.345	0.140	-0.20%	0.23%
30	13	-71.269	-71.109	-0.159	0.22%	0.27%
30	14	-71.023	-71.289	0.266	-0.38%	0.44%
30	15	-70.932	-71.228	0.295	-0.42%	0.49%
30	16U	-71.241	-71.399	0.158	-0.22%	0.26%
30	17U	-71.260	-71.285	0.025	-0.03%	0.04%
30	18U	-71.535	-71.473	-0.062	0.09%	0.10%
30	19U	-71.259	-71.111	-0.149	0.21%	0.25%
30	20U	-71.372	-71.539	0.168	-0.23%	0.28%
50	21	-71.283	-71.242	-0.041	0.06%	0.07%
50	22	-71.221	-71.309	0.088	-0.12%	0.15%
50	23	-71.324	-71.500	0.176	-0.25%	0.29%
50	24	-71.405	-71.480	0.074	-0.10%	0.12%
50	25	-71.293	-71.281	-0.012	0.02%	0.02%
50	26U	-70.995	-71.397	0.403	-0.57%	0.67%
50	27U	-71.166	-70.679	-0.487	0.68%	0.81%
50	28U	-71.131	-71.201	0.069	-0.10%	0.12%
50	29U	-71.413	-71.793	0.380	-0.53%	0.63%
50	30U	-71.200	-71.516	0.316	-0.44%	0.53%
	Max	-70.932	-70.398	0.403	1.59%	1.90%
	Average	-71.544	-71.374	-0.170	0.23%	0.61%
	Min	-72.602	-72.096	-1.138	-0.57%	0.02%
	Std Dev	0.484	0.339	0.468	0.65%	0.55%



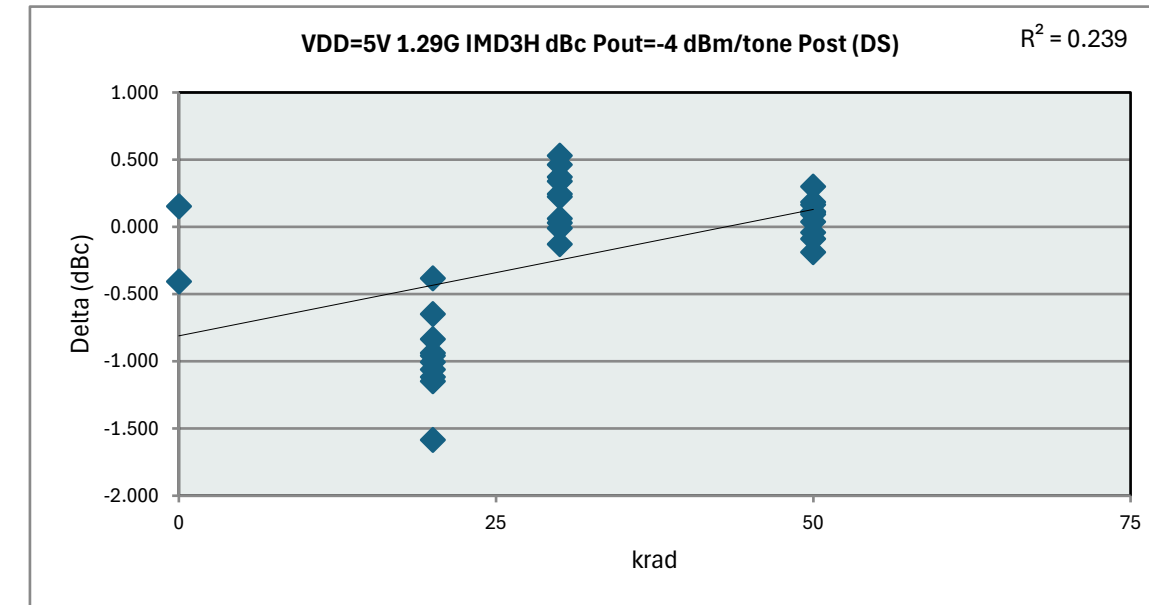
VDD=5V 1.29G IMD3L dBc Pout=-4 dBm/tone Post (DS)				
Max Limit	-60	dBc		
Min Limit		dBc		
krad	0	20	30	50
LL				
Min	-72.096	-72.060	-71.539	-71.793
Average	-71.766	-71.383	-71.320	-71.340
Max	-71.437	-70.398	-71.109	-70.679
UL	-60.000	-60.000	-60.000	-60.000



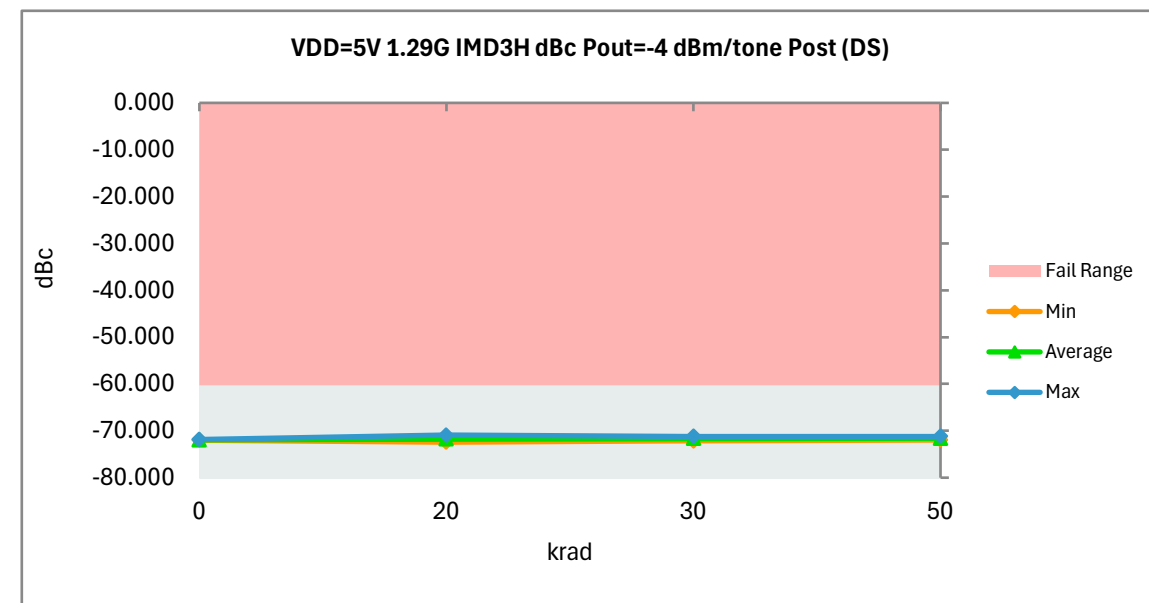
TID HDR Report  
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VDD=5V 1.29G IMD3H dBc Pout=-4 dBm/tone Post (DS)

Unit		dBc				
Max Limit		-60.3				
Min Limit		-60.3				
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	-72.386	-71.980	-0.406	0.56%	0.67%
0	C2	-71.698	-71.851	0.153	-0.21%	0.25%
20	1	-72.397	-71.247	-1.150	1.59%	1.91%
20	2	-71.956	-70.895	-1.060	1.47%	1.76%
20	3	-72.697	-71.581	-1.116	1.54%	1.85%
20	4	-72.920	-71.915	-1.006	1.38%	1.67%
20	5	-72.538	-70.951	-1.587	2.19%	2.63%
20	6U	-72.636	-72.252	-0.384	0.53%	0.64%
20	7U	-73.363	-72.425	-0.939	1.28%	1.56%
20	8U	-72.888	-72.240	-0.648	0.89%	1.07%
20	9U	-72.943	-72.109	-0.835	1.14%	1.38%
20	10U	-72.638	-71.679	-0.959	1.32%	1.59%
30	11	-71.792	-71.783	-0.009	0.01%	0.02%
30	12	-71.176	-71.549	0.373	-0.52%	0.62%
30	13	-71.521	-71.766	0.245	-0.34%	0.41%
30	14	-71.328	-71.552	0.224	-0.31%	0.37%
30	15	-71.119	-71.181	0.062	-0.09%	0.10%
30	16U	-71.495	-71.527	0.032	-0.04%	0.05%
30	17U	-71.225	-71.757	0.532	-0.75%	0.88%
30	18U	-71.668	-72.129	0.461	-0.64%	0.76%
30	19U	-71.475	-71.347	-0.128	0.18%	0.21%
30	20U	-71.451	-71.789	0.338	-0.47%	0.56%
50	21	-71.526	-71.711	0.185	-0.26%	0.31%
50	22	-71.364	-71.528	0.164	-0.23%	0.27%
50	23	-71.662	-71.961	0.299	-0.42%	0.50%
50	24	-71.711	-71.669	-0.042	0.06%	0.07%
50	25	-71.688	-71.500	-0.188	0.26%	0.31%
50	26U	-71.415	-71.523	0.109	-0.15%	0.18%
50	27U	-71.115	-71.207	0.092	-0.13%	0.15%
50	28U	-71.441	-71.353	-0.088	0.12%	0.15%
50	29U	-71.751	-71.790	0.039	-0.05%	0.07%
50	30U	-71.454	-71.566	0.112	-0.16%	0.19%
Max		-71.115	-70.895	0.532	2.19%	2.63%
Average		-71.889	-71.666	-0.223	0.30%	0.72%
Min		-73.363	-72.425	-1.587	-0.75%	0.02%
Std Dev		0.633	0.362	0.568	0.78%	0.70%

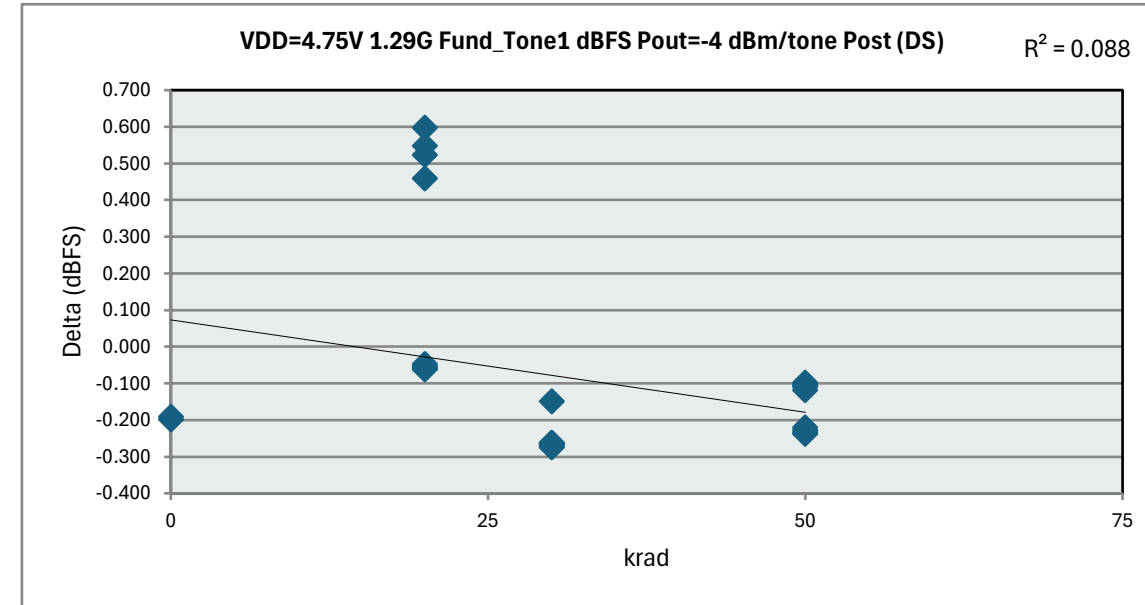


VDD=5V 1.29G IMD3H dBc Pout=-4 dBm/tone Post (DS)				
Max Limit	-60.3	dBc		
Min Limit		dBc		
krad	0	20	30	50
LL				
Min	-71.980	-72.425	-72.129	-71.961
Average	-71.915	-71.729	-71.638	-71.581
Max	-71.851	-70.895	-71.181	-71.207
UL	-60.300	-60.300	-60.300	-60.300

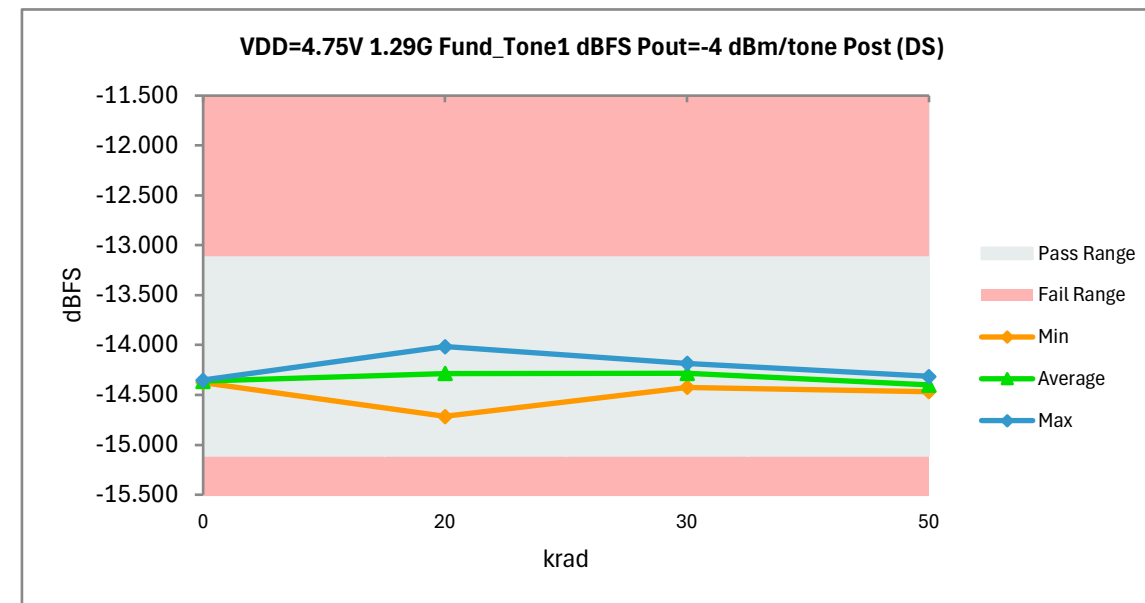


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VDD=4.75V 1.29G Fund_Tone1 dBFS Pout=-4 dBm/tone Post (DS)						
Unit		dBFS	dBFS			
Max Limit		-13.11	-13.11			
Min Limit		-15.11	-15.11			
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	-14.549	-14.350	-0.198	1.36%	9.92%
0	C2	-14.568	-14.377	-0.191	1.31%	9.55%
20	1	-14.117	-14.714	0.598	-4.23%	29.88%
20	2	-14.068	-14.617	0.549	-3.90%	27.43%
20	3	-14.084	-14.608	0.524	-3.72%	26.18%
20	4	-14.071	-14.015	-0.056	0.40%	2.82%
20	5	-14.075	-14.534	0.459	-3.26%	22.95%
20	6U	-14.094	-14.042	-0.052	0.37%	2.59%
20	7U	-14.169	-14.109	-0.060	0.42%	2.99%
20	8U	-14.143	-14.096	-0.047	0.33%	2.36%
20	9U	-14.115	-14.054	-0.062	0.44%	3.09%
20	10U	-14.130	-14.071	-0.059	0.42%	2.95%
30	11	-14.573	-14.425	-0.148	1.02%	7.41%
30	12	-14.457	-14.184	-0.273	1.89%	13.65%
30	13	-14.559	-14.294	-0.265	1.82%	13.27%
30	14	-14.550	-14.286	-0.265	1.82%	13.23%
30	15	-14.556	-14.293	-0.263	1.81%	13.17%
30	16U	-14.522	-14.252	-0.270	1.86%	13.48%
30	17U	-14.495	-14.233	-0.261	1.80%	13.07%
30	18U	-14.535	-14.262	-0.273	1.88%	13.65%
30	19U	-14.553	-14.291	-0.262	1.80%	13.09%
30	20U	-14.571	-14.309	-0.262	1.80%	13.10%
50	21	-14.585	-14.468	-0.118	0.81%	5.89%
50	22	-14.571	-14.351	-0.220	1.51%	11.01%
50	23	-14.555	-14.458	-0.097	0.67%	4.87%
50	24	-14.566	-14.461	-0.105	0.72%	5.27%
50	25	-14.538	-14.434	-0.104	0.72%	5.21%
50	26U	-14.593	-14.356	-0.237	1.62%	11.85%
50	27U	-14.517	-14.408	-0.109	0.75%	5.44%
50	28U	-14.541	-14.313	-0.228	1.57%	11.39%
50	29U	-14.529	-14.422	-0.107	0.73%	5.33%
50	30U	-14.557	-14.324	-0.232	1.60%	11.61%
	Max	-14.068	-14.015	0.598	1.89%	29.88%
	Average	-14.410	-14.325	-0.084	0.57%	10.87%
	Min	-14.593	-14.714	-0.273	-4.23%	2.36%
	Std Dev	0.210	0.172	0.251	1.76%	7.32%

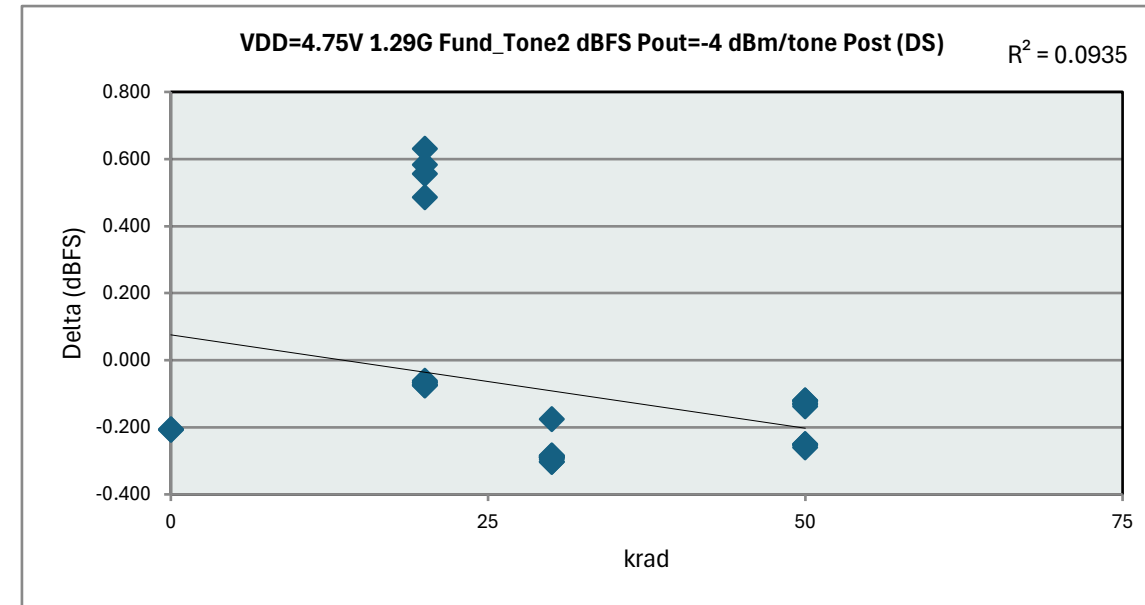


VDD=4.75V 1.29G Fund_Tone1 dBFS Pout=-4 dBm/tone Post (DS)				
Max Limit	-13.11	dBFS		
Min Limit	-15.11	dBFS		
krad	0	20	30	50
LL	-15.110	-15.110	-15.110	-15.110
Min	-14.377	-14.714	-14.425	-14.468
Average	-14.363	-14.286	-14.283	-14.399
Max	-14.350	-14.015	-14.184	-14.313
UL	-13.110	-13.110	-13.110	-13.110

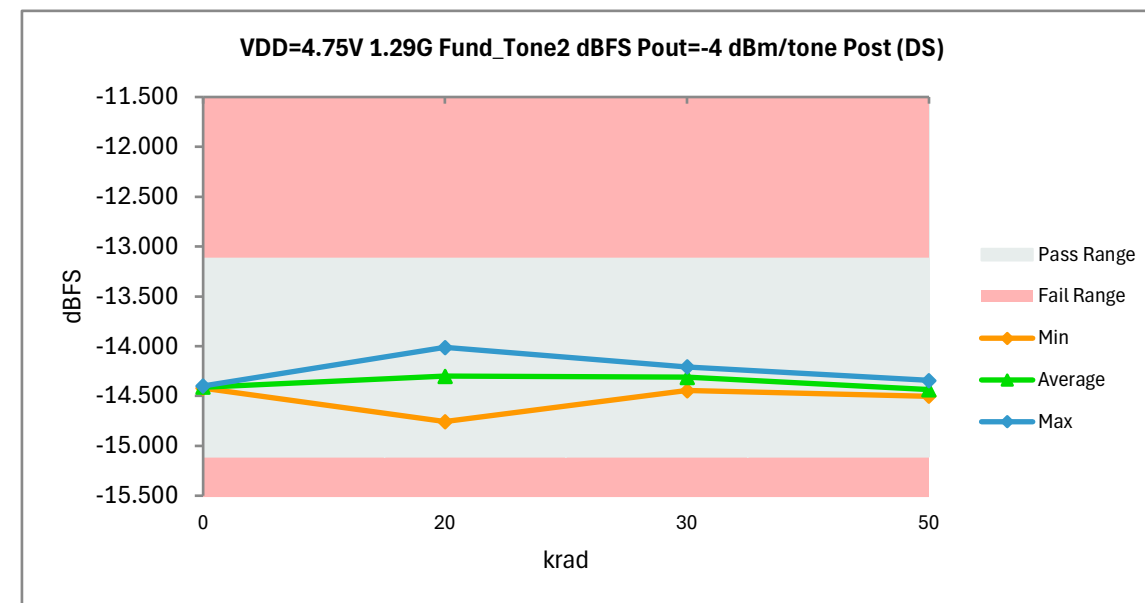


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VDD=4.75V 1.29G Fund_Tone2 dBFS Pout=-4 dBm/tone Post (DS)						
Unit		dBFS	dBFS			
Max Limit		-13.11	-13.11			
Min Limit		-15.11	-15.11			
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	-14.606	-14.399	-0.207	1.42%	10.36%
0	C2	-14.627	-14.421	-0.206	1.41%	10.29%
20	1	-14.126	-14.756	0.630	-4.46%	31.52%
20	2	-14.077	-14.660	0.582	-4.14%	29.12%
20	3	-14.093	-14.649	0.556	-3.95%	27.82%
20	4	-14.077	-14.011	-0.065	0.47%	3.27%
20	5	-14.081	-14.567	0.486	-3.45%	24.32%
20	6U	-14.102	-14.037	-0.065	0.46%	3.27%
20	7U	-14.182	-14.107	-0.075	0.53%	3.74%
20	8U	-14.151	-14.091	-0.060	0.43%	3.02%
20	9U	-14.126	-14.052	-0.074	0.52%	3.70%
20	10U	-14.139	-14.066	-0.073	0.51%	3.64%
30	11	-14.621	-14.445	-0.176	1.20%	8.78%
30	12	-14.510	-14.207	-0.303	2.09%	15.14%
30	13	-14.611	-14.321	-0.290	1.98%	14.49%
30	14	-14.605	-14.316	-0.290	1.98%	14.49%
30	15	-14.607	-14.321	-0.286	1.96%	14.30%
30	16U	-14.581	-14.286	-0.295	2.02%	14.74%
30	17U	-14.552	-14.265	-0.287	1.98%	14.37%
30	18U	-14.594	-14.290	-0.303	2.08%	15.17%
30	19U	-14.606	-14.318	-0.288	1.97%	14.39%
30	20U	-14.627	-14.343	-0.284	1.94%	14.21%
50	21	-14.640	-14.502	-0.138	0.94%	6.89%
50	22	-14.631	-14.380	-0.251	1.71%	12.54%
50	23	-14.611	-14.491	-0.120	0.82%	5.98%
50	24	-14.624	-14.501	-0.123	0.84%	6.16%
50	25	-14.599	-14.470	-0.129	0.88%	6.46%
50	26U	-14.648	-14.394	-0.254	1.73%	12.68%
50	27U	-14.574	-14.443	-0.131	0.90%	6.53%
50	28U	-14.602	-14.343	-0.259	1.77%	12.96%
50	29U	-14.584	-14.464	-0.120	0.82%	6.00%
50	30U	-14.614	-14.364	-0.250	1.71%	12.51%
	Max	-14.077	-14.011	0.630	2.09%	31.52%
	Average	-14.451	-14.352	-0.098	0.66%	11.96%
	Min	-14.648	-14.756	-0.303	-4.46%	3.02%
	Std Dev	0.232	0.185	0.269	1.88%	7.60%

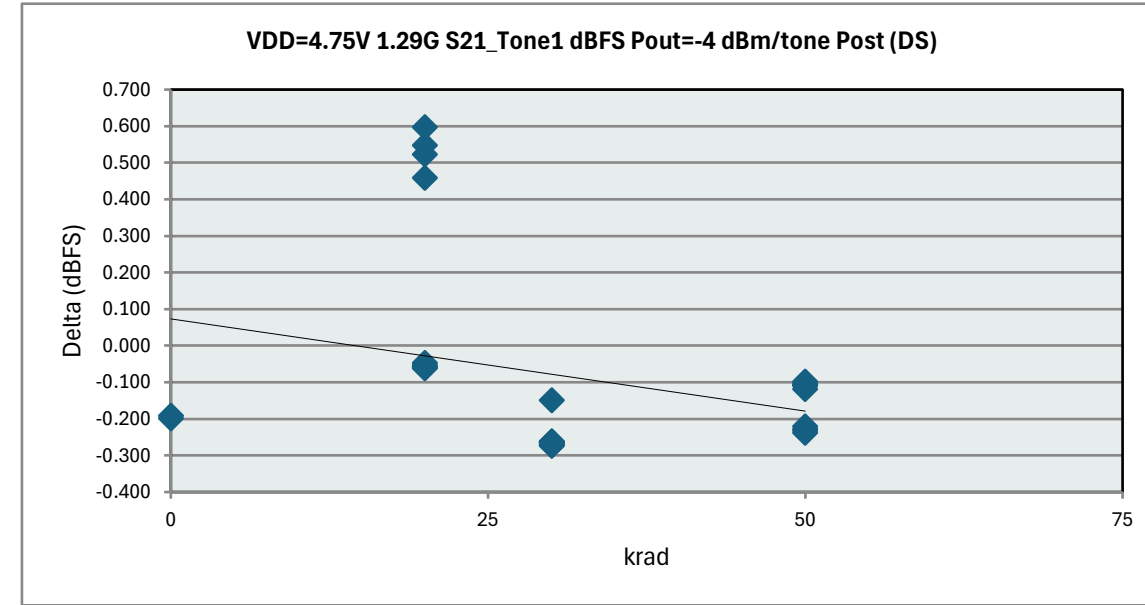


VDD=4.75V 1.29G Fund_Tone2 dBFS Pout=-4 dBm/tone Post (DS)				
Max Limit	-13.11	dBFS		
Min Limit	-15.11	dBFS		
krad	0	20	30	50
LL	-15.110	-15.110	-15.110	-15.110
Min	-14.421	-14.756	-14.445	-14.502
Average	-14.410	-14.300	-14.311	-14.435
Max	-14.399	-14.011	-14.207	-14.343
UL	-13.110	-13.110	-13.110	-13.110

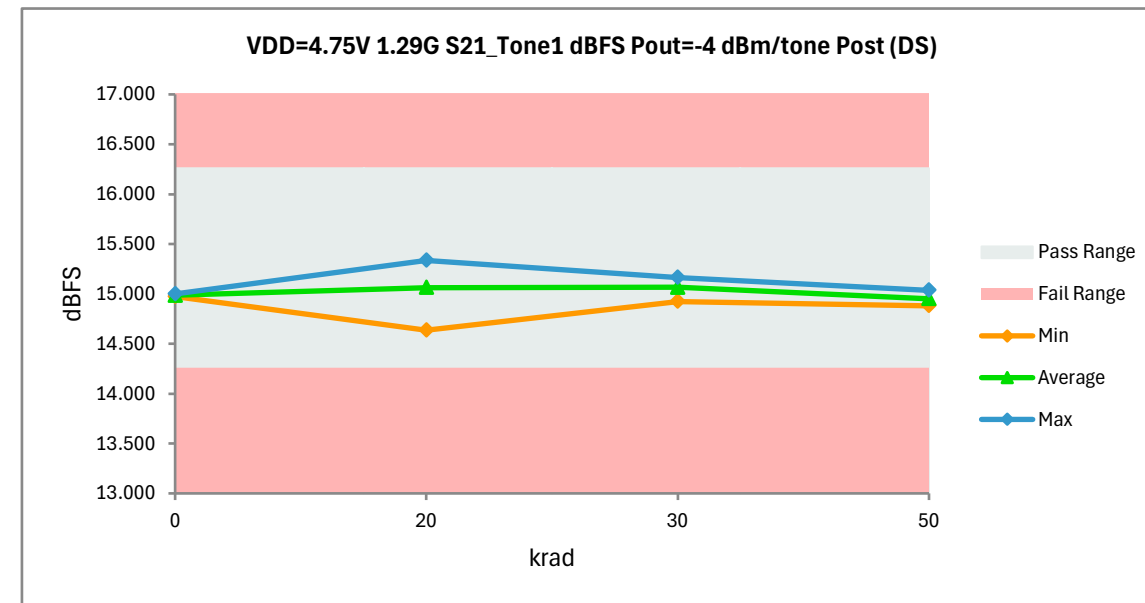


TID HDR Report  
TRF0108-SEP

VDD=4.75V 1.29G S21_Tone1 dBFS Pout=-4 dBm/tone Post (DS)						
Unit		dBFS	dBFS			
Max Limit		16.26	16.26			
Min Limit		14.26	14.26			
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	14.801	15.000	-0.198	-1.34%	9.92%
0	C2	14.782	14.973	-0.191	-1.29%	9.55%
20	1	15.233	14.636	0.598	3.92%	29.88%
20	2	15.282	14.733	0.549	3.59%	27.43%
20	3	15.266	14.742	0.524	3.43%	26.18%
20	4	15.279	15.335	-0.056	-0.37%	2.82%
20	5	15.275	14.816	0.459	3.00%	22.95%
20	6U	15.256	15.308	-0.052	-0.34%	2.59%
20	7U	15.181	15.241	-0.060	-0.39%	2.99%
20	8U	15.207	15.254	-0.047	-0.31%	2.36%
20	9U	15.235	15.296	-0.062	-0.41%	3.09%
20	10U	15.220	15.279	-0.059	-0.39%	2.95%
30	11	14.777	14.925	-0.148	-1.00%	7.41%
30	12	14.893	15.166	-0.273	-1.83%	13.65%
30	13	14.791	15.056	-0.265	-1.79%	13.27%
30	14	14.800	15.064	-0.265	-1.79%	13.23%
30	15	14.794	15.057	-0.263	-1.78%	13.17%
30	16U	14.828	15.098	-0.270	-1.82%	13.48%
30	17U	14.855	15.117	-0.261	-1.76%	13.07%
30	18U	14.815	15.088	-0.273	-1.84%	13.65%
30	19U	14.797	15.059	-0.262	-1.77%	13.09%
30	20U	14.779	15.041	-0.262	-1.77%	13.10%
50	21	14.765	14.882	-0.118	-0.80%	5.89%
50	22	14.779	14.999	-0.220	-1.49%	11.01%
50	23	14.795	14.892	-0.097	-0.66%	4.87%
50	24	14.784	14.889	-0.105	-0.71%	5.27%
50	25	14.812	14.916	-0.104	-0.70%	5.21%
50	26U	14.757	14.994	-0.237	-1.61%	11.85%
50	27U	14.833	14.942	-0.109	-0.73%	5.44%
50	28U	14.809	15.037	-0.228	-1.54%	11.39%
50	29U	14.821	14.928	-0.107	-0.72%	5.33%
50	30U	14.793	15.026	-0.232	-1.57%	11.61%
	Max	15.282	15.335	0.598	3.92%	29.88%
	Average	14.940	15.025	-0.084	-0.58%	10.87%
	Min	14.757	14.636	-0.273	-1.84%	2.36%
	Std Dev	0.210	0.172	0.251	1.66%	7.32%

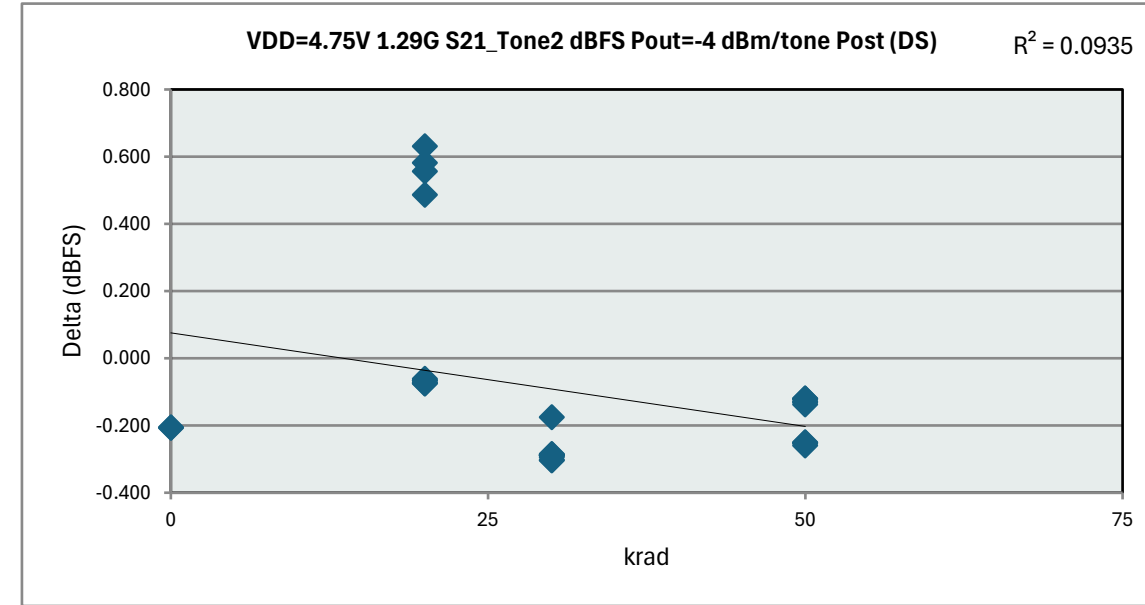


VDD=4.75V 1.29G S21_Tone1 dBFS Pout=-4 dBm/tone Post (DS)				
Max Limit	16.26	dBFS		
Min Limit	14.26	dBFS		
krad	0	20	30	50
LL	14.260	14.260	14.260	14.260
Min	14.973	14.636	14.925	14.882
Average	14.987	15.064	15.067	14.951
Max	15.000	15.335	15.166	15.037
UL	16.260	16.260	16.260	16.260

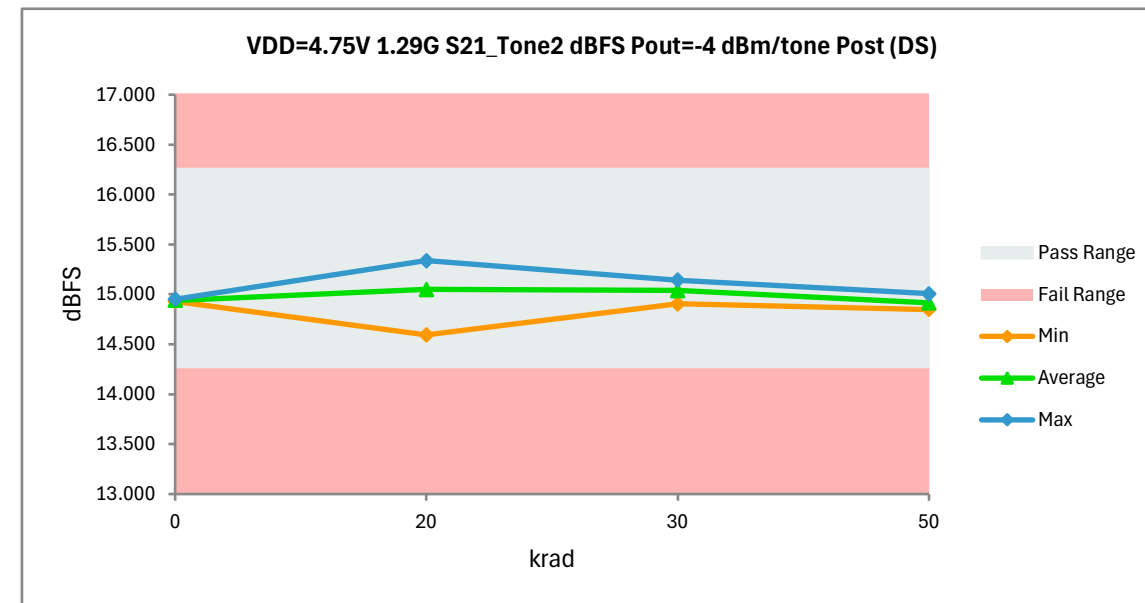


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VDD=4.75V 1.29G S21_Tone2 dBFS Pout=-4 dBm/tone Post (DS)						
Unit		dBFS	dBFS			
Max Limit		16.26	16.26			
Min Limit		14.26	14.26			
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	14.744	14.951	-0.207	-1.41%	10.36%
0	C2	14.723	14.929	-0.206	-1.40%	10.29%
20	1	15.224	14.594	0.630	4.14%	31.52%
20	2	15.273	14.690	0.582	3.81%	29.12%
20	3	15.257	14.701	0.556	3.65%	27.82%
20	4	15.273	15.339	-0.065	-0.43%	3.27%
20	5	15.269	14.783	0.486	3.19%	24.32%
20	6U	15.248	15.313	-0.065	-0.43%	3.27%
20	7U	15.168	15.243	-0.075	-0.49%	3.74%
20	8U	15.199	15.259	-0.060	-0.40%	3.02%
20	9U	15.224	15.298	-0.074	-0.49%	3.70%
20	10U	15.211	15.284	-0.073	-0.48%	3.64%
30	11	14.729	14.905	-0.176	-1.19%	8.78%
30	12	14.840	15.143	-0.303	-2.04%	15.14%
30	13	14.739	15.029	-0.290	-1.97%	14.49%
30	14	14.745	15.034	-0.290	-1.97%	14.49%
30	15	14.743	15.029	-0.286	-1.94%	14.30%
30	16U	14.769	15.064	-0.295	-2.00%	14.74%
30	17U	14.798	15.085	-0.287	-1.94%	14.37%
30	18U	14.756	15.060	-0.303	-2.06%	15.17%
30	19U	14.744	15.032	-0.288	-1.95%	14.39%
30	20U	14.723	15.007	-0.284	-1.93%	14.21%
50	21	14.710	14.848	-0.138	-0.94%	6.89%
50	22	14.719	14.970	-0.251	-1.70%	12.54%
50	23	14.739	14.859	-0.120	-0.81%	5.98%
50	24	14.726	14.849	-0.123	-0.84%	6.16%
50	25	14.751	14.880	-0.129	-0.88%	6.46%
50	26U	14.702	14.956	-0.254	-1.72%	12.68%
50	27U	14.776	14.907	-0.131	-0.88%	6.53%
50	28U	14.748	15.007	-0.259	-1.76%	12.96%
50	29U	14.766	14.886	-0.120	-0.81%	6.00%
50	30U	14.736	14.986	-0.250	-1.70%	12.51%
	Max	15.273	15.339	0.630	4.14%	31.52%
	Average	14.899	14.998	-0.098	-0.68%	11.96%
	Min	14.702	14.594	-0.303	-2.06%	3.02%
	Std Dev	0.232	0.185	0.269	1.78%	7.60%

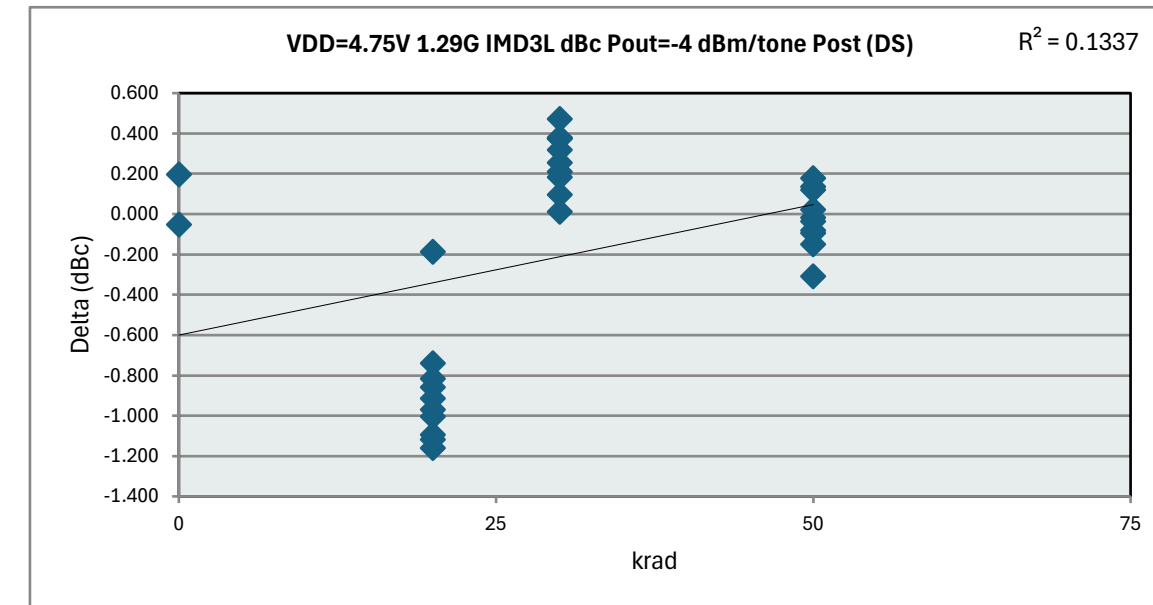


VDD=4.75V 1.29G S21_Tone2 dBFS Pout=-4 dBm/tone Post (DS)				
Max Limit	16.26	dBFS		
Min Limit	14.26	dBFS		
krad	0	20	30	50
LL	14.260	14.260	14.260	14.260
Min	14.929	14.594	14.905	14.848
Average	14.940	15.050	15.039	14.915
Max	14.951	15.339	15.143	15.007
UL	16.260	16.260	16.260	16.260

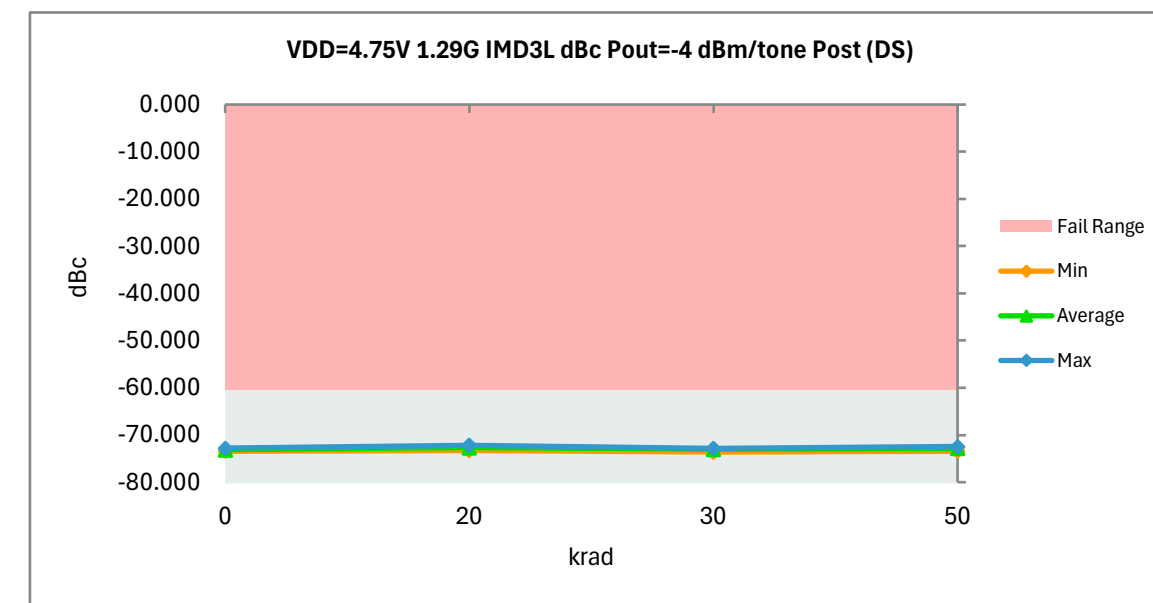


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VDD=4.75V 1.29G IMD3L dBc Pout=-4 dBm/tone Post (DS)						
Unit		dBc	dBc			
Max Limit		-60.5	-60.5			
Min Limit						
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	-73.224	-73.421	0.197	-0.27%	0.33%
0	C2	-72.847	-72.796	-0.052	0.07%	0.09%
20	1	-73.600	-72.631	-0.968	1.32%	1.60%
20	2	-73.043	-72.185	-0.858	1.17%	1.42%
20	3	-73.708	-72.614	-1.094	1.48%	1.81%
20	4	-73.394	-72.656	-0.738	1.01%	1.22%
20	5	-73.514	-72.356	-1.159	1.58%	1.92%
20	6U	-73.381	-72.566	-0.815	1.11%	1.35%
20	7U	-73.886	-72.973	-0.912	1.23%	1.51%
20	8U	-73.553	-72.435	-1.118	1.52%	1.85%
20	9U	-73.896	-72.894	-1.003	1.36%	1.66%
20	10U	-73.466	-73.281	-0.185	0.25%	0.31%
30	11	-72.934	-72.947	0.013	-0.02%	0.02%
30	12	-72.626	-72.882	0.256	-0.35%	0.42%
30	13	-72.548	-72.924	0.376	-0.52%	0.62%
30	14	-72.723	-73.097	0.374	-0.51%	0.62%
30	15	-72.519	-72.838	0.319	-0.44%	0.53%
30	16U	-72.555	-72.936	0.381	-0.53%	0.63%
30	17U	-72.711	-72.894	0.183	-0.25%	0.30%
30	18U	-73.139	-73.610	0.471	-0.64%	0.78%
30	19U	-72.749	-72.960	0.212	-0.29%	0.35%
30	20U	-72.895	-72.991	0.096	-0.13%	0.16%
50	21	-72.829	-72.680	-0.148	0.20%	0.25%
50	22	-72.589	-72.766	0.178	-0.24%	0.29%
50	23	-72.970	-73.106	0.137	-0.19%	0.23%
50	24	-73.121	-73.026	-0.094	0.13%	0.16%
50	25	-72.908	-72.599	-0.309	0.42%	0.51%
50	26U	-72.849	-72.812	-0.036	0.05%	0.06%
50	27U	-72.546	-72.467	-0.080	0.11%	0.13%
50	28U	-72.822	-72.805	-0.017	0.02%	0.03%
50	29U	-73.367	-73.389	0.023	-0.03%	0.04%
50	30U	-72.740	-72.861	0.122	-0.17%	0.20%
	Max	-72.519	-72.185	0.471	1.58%	1.92%
	Average	-73.052	-72.856	-0.195	0.26%	0.67%
	Min	-73.896	-73.610	-1.159	-0.64%	0.02%
	Std Dev	0.411	0.308	0.523	0.71%	0.63%



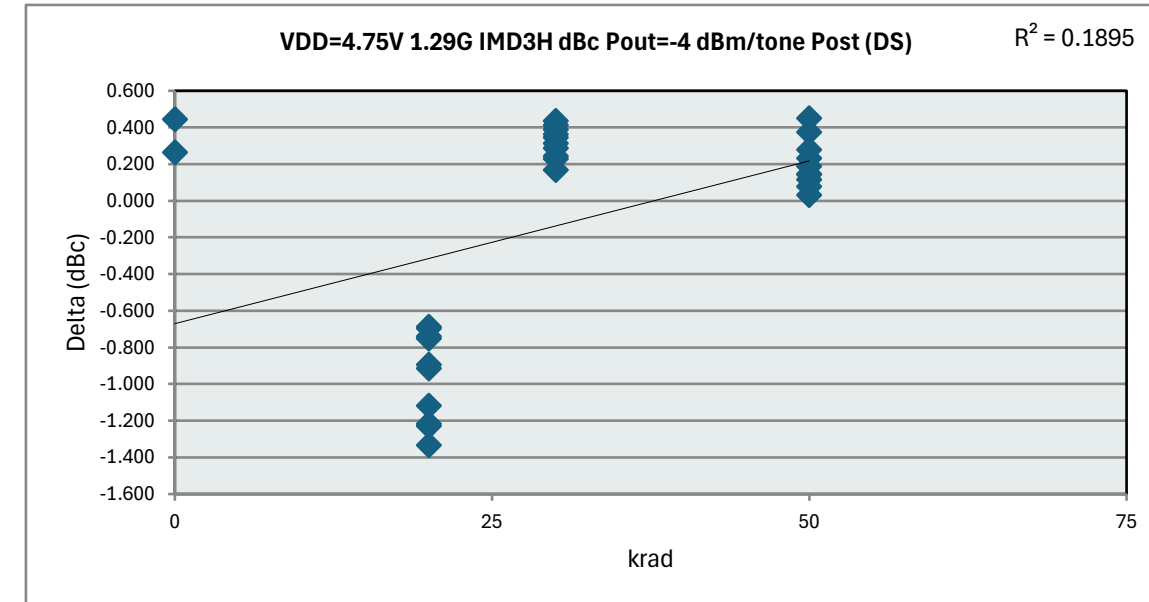
VDD=4.75V 1.29G IMD3L dBc Pout=-4 dBm/tone Post (DS)				
Max Limit	-60.5	dBc		
Min Limit		dBc		
krad	0	20	30	50
LL				
Min	-73.421	-73.281	-73.610	-73.389
Average	-73.108	-72.659	-73.008	-72.851
Max	-72.796	-72.185	-72.838	-72.467
UL	-60.500	-60.500	-60.500	-60.500



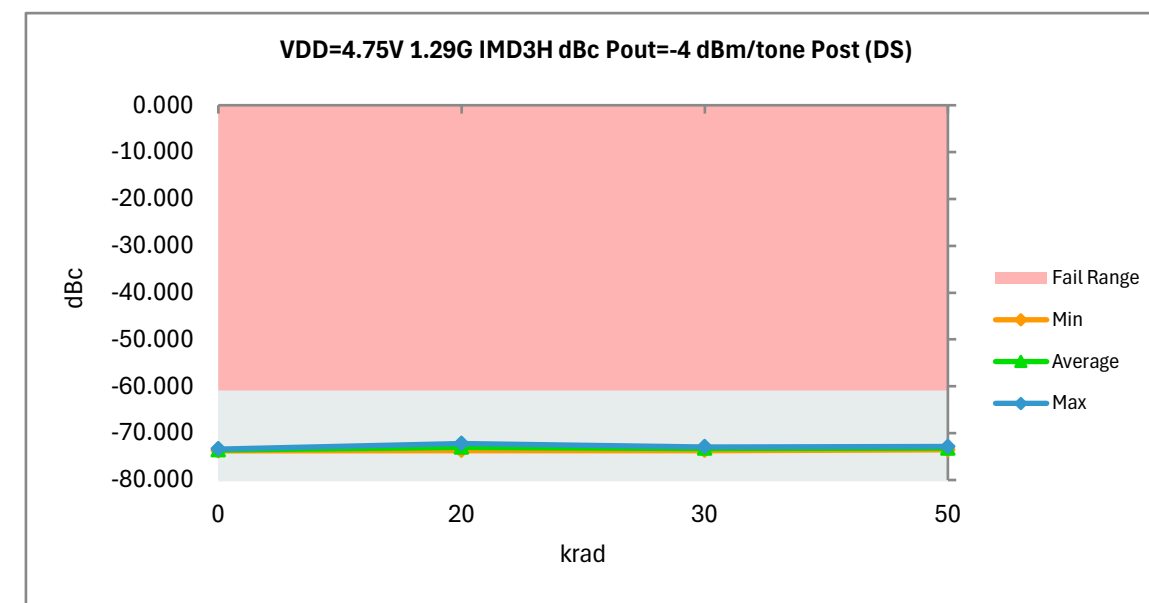


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VDD=4.75V 1.29G IMD3H dBc Pout=-4 dBm/tone Post (DS)						
Unit		dBc	dBc			
Max Limit		-60.9	-60.9			
Min Limit						
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	-73.333	-73.777	0.444	-0.61%	0.73%
0	C2	-73.141	-73.403	0.261	-0.36%	0.43%
20	1	-74.029	-72.909	-1.120	1.51%	1.84%
20	2	-73.441	-72.211	-1.230	1.67%	2.02%
20	3	-74.231	-72.897	-1.333	1.80%	2.19%
20	4	-73.853	-72.957	-0.896	1.21%	1.47%
20	5	-73.832	-72.612	-1.219	1.65%	2.00%
20	6U	-73.967	-73.052	-0.916	1.24%	1.50%
20	7U	-74.498	-73.746	-0.752	1.01%	1.23%
20	8U	-74.042	-73.344	-0.698	0.94%	1.15%
20	9U	-74.096	-73.354	-0.742	1.00%	1.22%
20	10U	-74.067	-73.378	-0.689	0.93%	1.13%
30	11	-73.090	-73.333	0.242	-0.33%	0.40%
30	12	-72.605	-72.916	0.311	-0.43%	0.51%
30	13	-72.929	-73.097	0.168	-0.23%	0.28%
30	14	-72.931	-73.342	0.411	-0.56%	0.67%
30	15	-72.604	-72.948	0.345	-0.47%	0.57%
30	16U	-72.760	-73.122	0.362	-0.50%	0.59%
30	17U	-72.786	-73.220	0.434	-0.60%	0.71%
30	18U	-73.486	-73.713	0.227	-0.31%	0.37%
30	19U	-72.937	-73.324	0.386	-0.53%	0.63%
30	20U	-73.162	-73.448	0.286	-0.39%	0.47%
50	21	-73.134	-73.321	0.187	-0.26%	0.31%
50	22	-72.651	-73.100	0.449	-0.62%	0.74%
50	23	-73.203	-73.346	0.144	-0.20%	0.24%
50	24	-73.273	-73.302	0.029	-0.04%	0.05%
50	25	-73.140	-73.282	0.142	-0.19%	0.23%
50	26U	-72.743	-72.975	0.232	-0.32%	0.38%
50	27U	-72.604	-72.881	0.276	-0.38%	0.45%
50	28U	-72.844	-72.959	0.115	-0.16%	0.19%
50	29U	-73.479	-73.554	0.075	-0.10%	0.12%
50	30U	-73.008	-73.383	0.374	-0.51%	0.61%
	Max	-72.604	-72.211	0.449	1.80%	2.19%
	Average	-73.309	-73.194	-0.115	0.15%	0.80%
	Min	-74.498	-73.777	-1.333	-0.62%	0.05%
	Std Dev	0.548	0.326	0.602	0.82%	0.60%

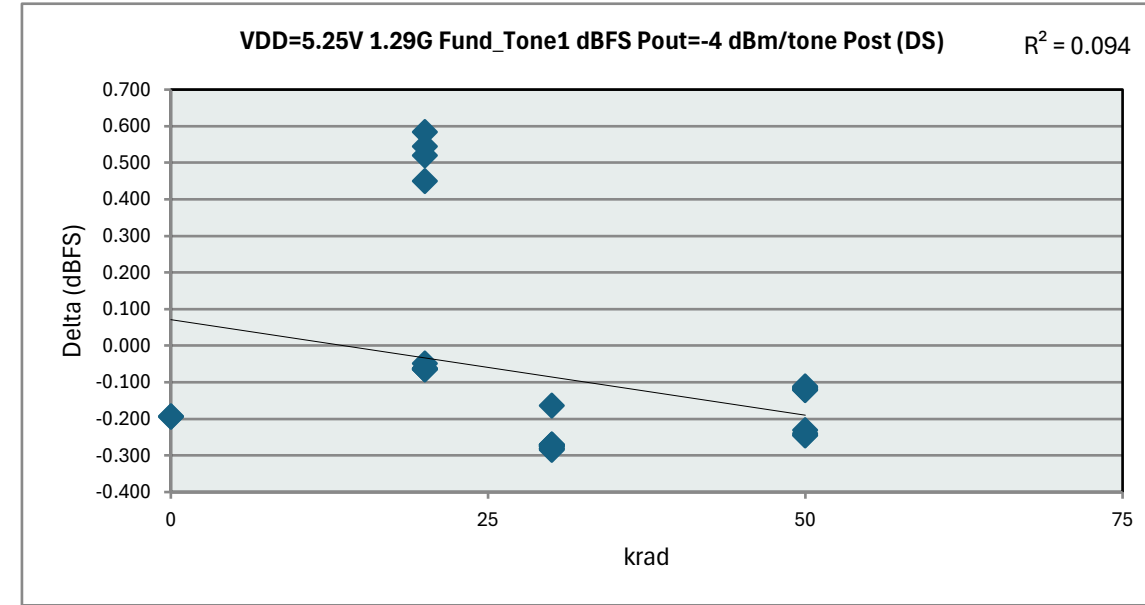


VDD=4.75V 1.29G IMD3H dBc Pout=-4 dBm/tone Post (DS)				
Max Limit	-60.9	dBc		
Min Limit		dBc		
krad	0	20	30	50
LL				
Min	-73.777	-73.746	-73.713	-73.554
Average	-73.590	-73.046	-73.246	-73.210
Max	-73.403	-72.211	-72.916	-72.881
UL	-60.900	-60.900	-60.900	-60.900

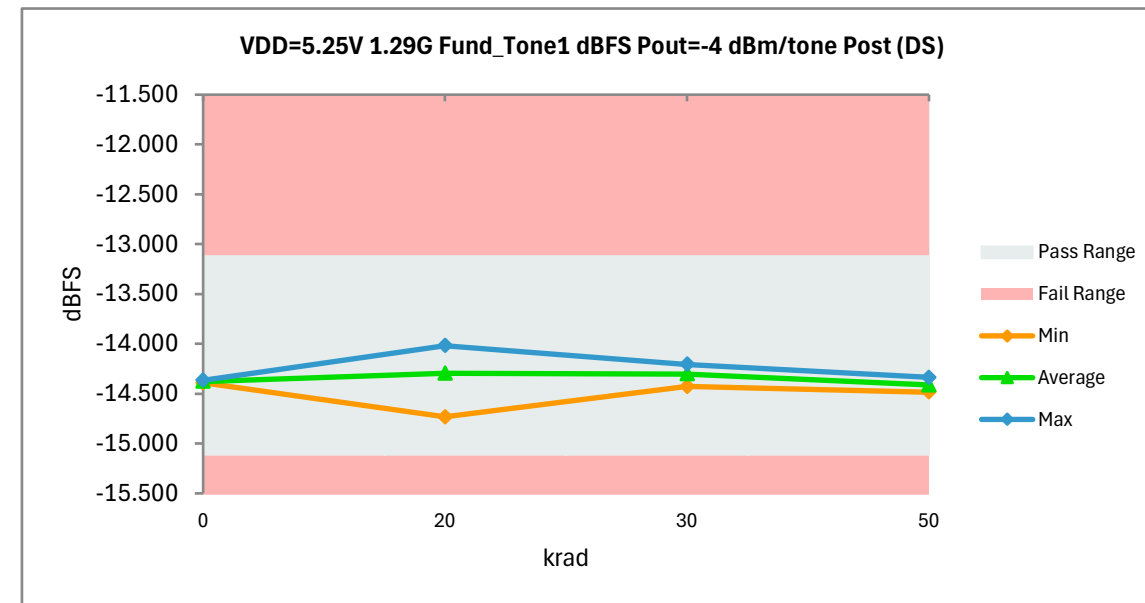


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VDD=5.25V 1.29G Fund_Tone1 dBFS Pout=-4 dBm/tone Post (DS)						
Unit		dBFS	dBFS			
Max Limit		-13.11	-13.11			
Min Limit		-15.11	-15.11			
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	-14.559	-14.366	-0.194	1.33%	9.68%
0	C2	-14.582	-14.390	-0.192	1.32%	9.60%
20	1	-14.147	-14.732	0.585	-4.14%	29.26%
20	2	-14.095	-14.640	0.545	-3.87%	27.25%
20	3	-14.094	-14.614	0.520	-3.69%	25.99%
20	4	-14.083	-14.019	-0.064	0.46%	3.22%
20	5	-14.088	-14.539	0.451	-3.20%	22.55%
20	6U	-14.106	-14.044	-0.062	0.44%	3.12%
20	7U	-14.179	-14.115	-0.064	0.45%	3.20%
20	8U	-14.148	-14.101	-0.048	0.34%	2.38%
20	9U	-14.136	-14.073	-0.063	0.44%	3.14%
20	10U	-14.135	-14.074	-0.061	0.43%	3.05%
30	11	-14.590	-14.427	-0.163	1.11%	8.13%
30	12	-14.490	-14.206	-0.284	1.96%	14.21%
30	13	-14.587	-14.312	-0.275	1.89%	13.75%
30	14	-14.587	-14.307	-0.280	1.92%	14.01%
30	15	-14.586	-14.313	-0.274	1.88%	13.68%
30	16U	-14.536	-14.263	-0.273	1.88%	13.66%
30	17U	-14.523	-14.253	-0.270	1.86%	13.51%
30	18U	-14.568	-14.287	-0.281	1.93%	14.05%
30	19U	-14.592	-14.321	-0.271	1.86%	13.55%
30	20U	-14.609	-14.339	-0.270	1.85%	13.49%
50	21	-14.603	-14.483	-0.120	0.82%	6.01%
50	22	-14.586	-14.356	-0.230	1.58%	11.51%
50	23	-14.571	-14.461	-0.110	0.76%	5.51%
50	24	-14.586	-14.470	-0.116	0.79%	5.78%
50	25	-14.571	-14.453	-0.118	0.81%	5.90%
50	26U	-14.613	-14.368	-0.245	1.67%	12.23%
50	27U	-14.537	-14.416	-0.121	0.83%	6.04%
50	28U	-14.575	-14.337	-0.239	1.64%	11.93%
50	29U	-14.546	-14.432	-0.114	0.79%	5.72%
50	30U	-14.589	-14.346	-0.243	1.67%	12.17%
	Max	-14.083	-14.019	0.585	1.96%	29.26%
	Average	-14.431	-14.339	-0.092	0.62%	11.16%
	Min	-14.613	-14.732	-0.284	-4.14%	2.38%
	Std Dev	0.214	0.173	0.251	1.76%	7.15%

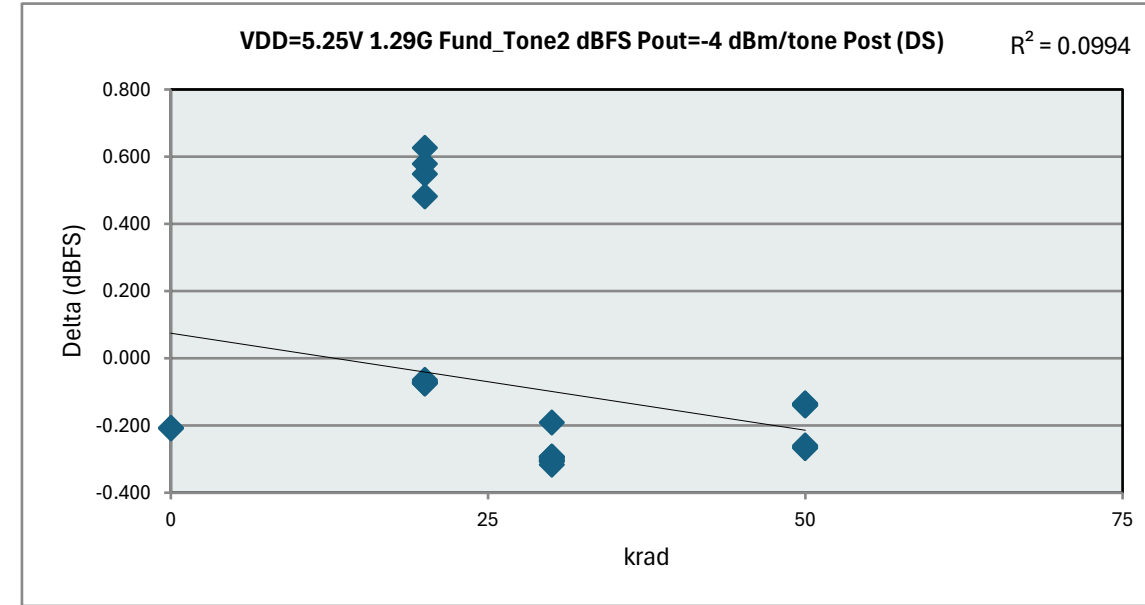


VDD=5.25V 1.29G Fund_Tone1 dBFS Pout=-4 dBm/tone Post (DS)				
Max Limit	-13.11	dBFS		
Min Limit	-15.11	dBFS		
krad	0	20	30	50
LL	-15.110	-15.110	-15.110	-15.110
Min	-14.390	-14.732	-14.427	-14.483
Average	-14.378	-14.295	-14.303	-14.412
Max	-14.366	-14.019	-14.206	-14.337
UL	-13.110	-13.110	-13.110	-13.110

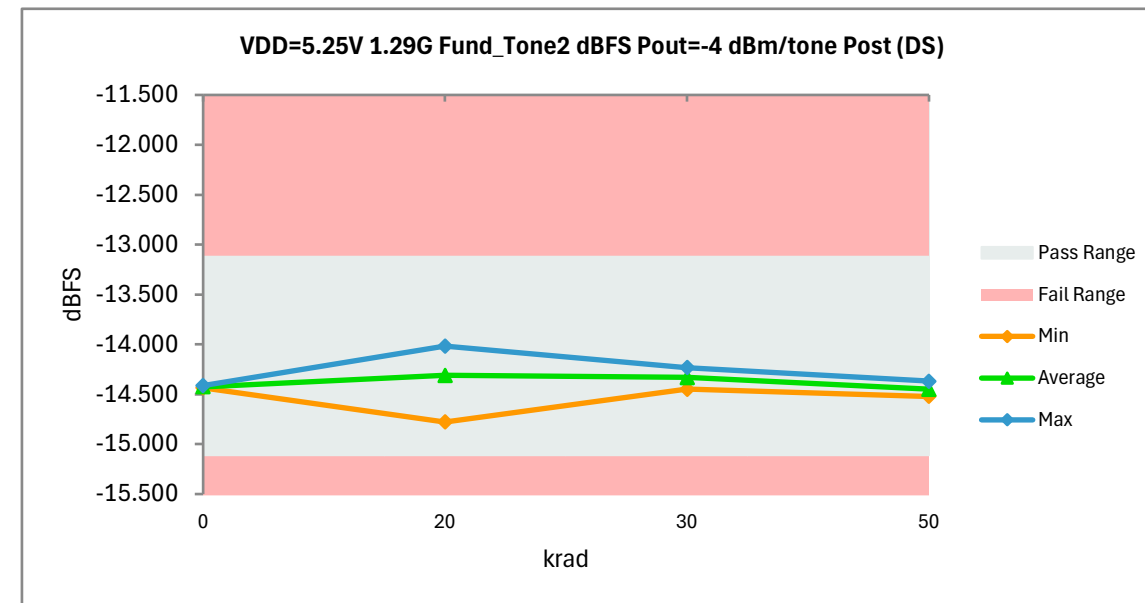


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VDD=5.25V 1.29G Fund_Tone2 dBFS Pout=-4 dBm/tone Post (DS)						
Unit		dBFS	dBFS			
Max Limit		-13.11	-13.11			
Min Limit		-15.11	-15.11			
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	-14.621	-14.413	-0.208	1.42%	10.40%
0	C2	-14.643	-14.436	-0.207	1.41%	10.34%
20	1	-14.152	-14.778	0.627	-4.43%	31.33%
20	2	-14.104	-14.683	0.579	-4.11%	28.95%
20	3	-14.103	-14.651	0.548	-3.89%	27.40%
20	4	-14.089	-14.017	-0.072	0.51%	3.59%
20	5	-14.096	-14.578	0.482	-3.42%	24.09%
20	6U	-14.109	-14.040	-0.069	0.49%	3.45%
20	7U	-14.190	-14.114	-0.076	0.53%	3.78%
20	8U	-14.159	-14.095	-0.064	0.45%	3.21%
20	9U	-14.141	-14.068	-0.073	0.52%	3.66%
20	10U	-14.144	-14.071	-0.072	0.51%	3.62%
30	11	-14.639	-14.448	-0.191	1.31%	9.57%
30	12	-14.548	-14.232	-0.316	2.17%	15.79%
30	13	-14.643	-14.343	-0.300	2.05%	15.01%
30	14	-14.644	-14.340	-0.305	2.08%	15.23%
30	15	-14.638	-14.340	-0.298	2.04%	14.90%
30	16U	-14.601	-14.296	-0.305	2.09%	15.26%
30	17U	-14.580	-14.285	-0.295	2.02%	14.74%
30	18U	-14.626	-14.319	-0.308	2.10%	15.38%
30	19U	-14.646	-14.354	-0.292	1.99%	14.60%
30	20U	-14.664	-14.371	-0.293	2.00%	14.63%
50	21	-14.659	-14.521	-0.138	0.94%	6.92%
50	22	-14.644	-14.382	-0.262	1.79%	13.10%
50	23	-14.630	-14.495	-0.135	0.92%	6.76%
50	24	-14.649	-14.510	-0.139	0.95%	6.95%
50	25	-14.631	-14.494	-0.137	0.94%	6.85%
50	26U	-14.670	-14.405	-0.265	1.81%	13.27%
50	27U	-14.596	-14.456	-0.141	0.96%	7.04%
50	28U	-14.636	-14.369	-0.267	1.82%	13.34%
50	29U	-14.603	-14.469	-0.134	0.92%	6.70%
50	30U	-14.647	-14.388	-0.260	1.77%	12.98%
	Max	-14.089	-14.017	0.627	2.17%	31.33%
	Average	-14.473	-14.367	-0.106	0.71%	12.28%
	Min	-14.670	-14.778	-0.316	-4.43%	3.21%
	Std Dev	0.238	0.187	0.270	1.89%	7.47%



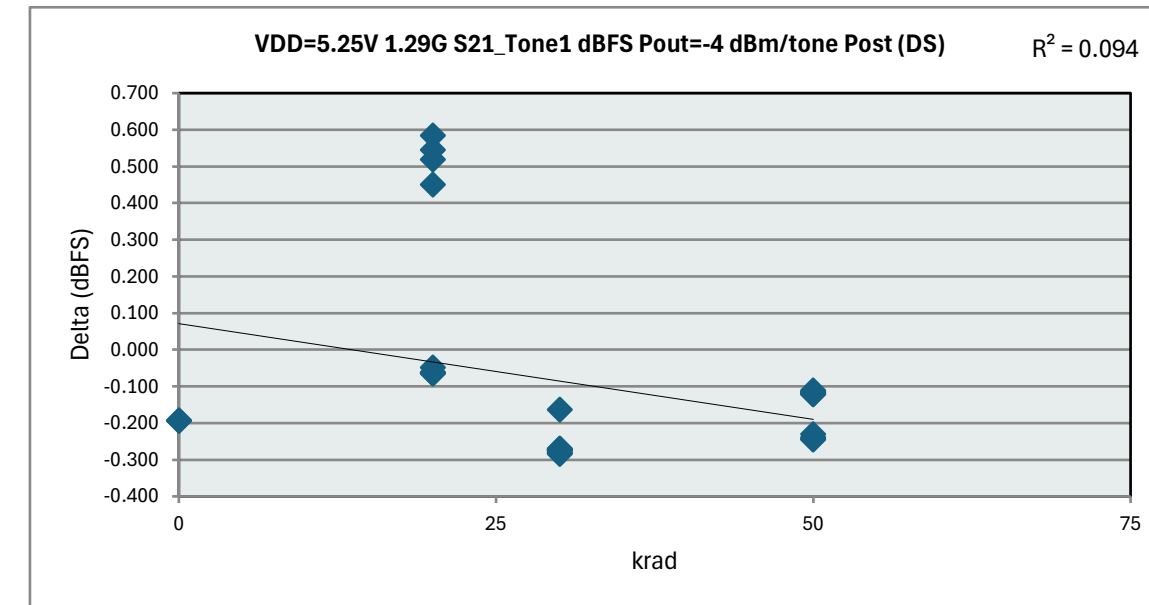
VDD=5.25V 1.29G Fund_Tone2 dBFS Pout=-4 dBm/tone Post (DS)				
Max Limit	-13.11	dBFS		
Min Limit	-15.11	dBFS		
krad	0	20	30	50
LL	-15.110	-15.110	-15.110	-15.110
Min	-14.436	-14.778	-14.448	-14.521
Average	-14.424	-14.309	-14.333	-14.449
Max	-14.413	-14.017	-14.232	-14.369
UL	-13.110	-13.110	-13.110	-13.110



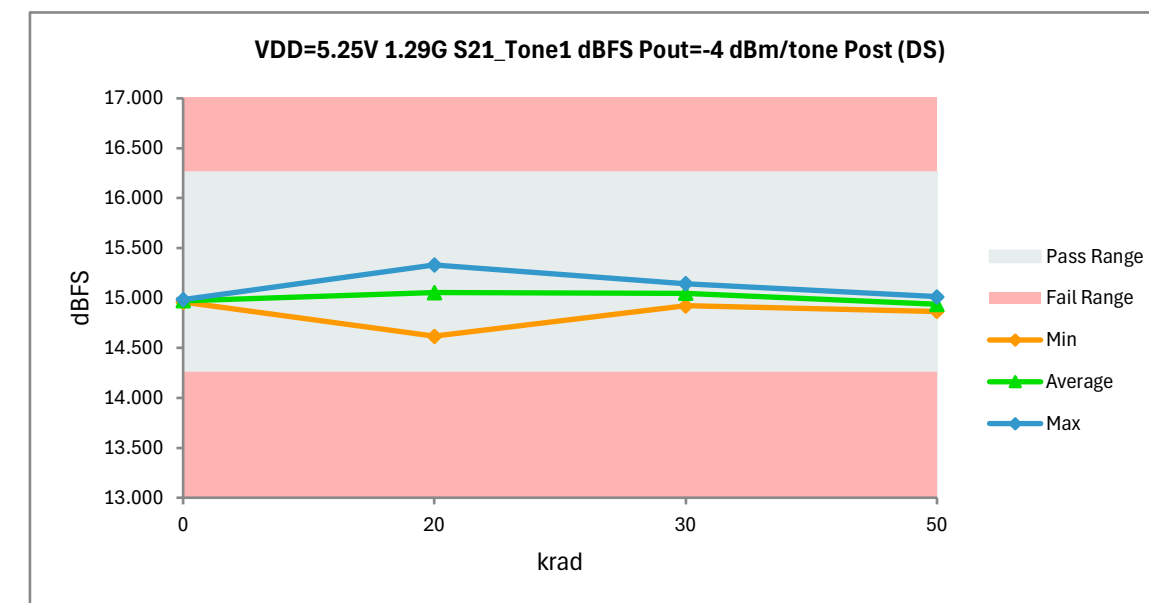
# TID HDR Report

## TRF0108-SEP

VDD=5.25V 1.29G S21_Tone1 dBFS Pout=-4 dBm/tone Post (DS)						
Unit		dBFS	dBFS			
Max Limit		16.26	16.26			
Min Limit		14.26	14.26			
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	14.791	14.984	-0.194	-1.31%	9.68%
0	C2	14.768	14.960	-0.192	-1.30%	9.60%
20	1	15.203	14.618	0.585	3.85%	29.26%
20	2	15.255	14.710	0.545	3.57%	27.25%
20	3	15.256	14.736	0.520	3.41%	25.99%
20	4	15.267	15.331	-0.064	-0.42%	3.22%
20	5	15.262	14.811	0.451	2.96%	22.55%
20	6U	15.244	15.306	-0.062	-0.41%	3.12%
20	7U	15.171	15.235	-0.064	-0.42%	3.20%
20	8U	15.202	15.249	-0.048	-0.31%	2.38%
20	9U	15.214	15.277	-0.063	-0.41%	3.14%
20	10U	15.215	15.276	-0.061	-0.40%	3.05%
30	11	14.760	14.923	-0.163	-1.10%	8.13%
30	12	14.860	15.144	-0.284	-1.91%	14.21%
30	13	14.763	15.038	-0.275	-1.86%	13.75%
30	14	14.763	15.043	-0.280	-1.90%	14.01%
30	15	14.764	15.037	-0.274	-1.85%	13.68%
30	16U	14.814	15.087	-0.273	-1.84%	13.66%
30	17U	14.827	15.097	-0.270	-1.82%	13.51%
30	18U	14.782	15.063	-0.281	-1.90%	14.05%
30	19U	14.758	15.029	-0.271	-1.84%	13.55%
30	20U	14.741	15.011	-0.270	-1.83%	13.49%
50	21	14.747	14.867	-0.120	-0.81%	6.01%
50	22	14.764	14.994	-0.230	-1.56%	11.51%
50	23	14.779	14.889	-0.110	-0.75%	5.51%
50	24	14.764	14.880	-0.116	-0.78%	5.78%
50	25	14.779	14.897	-0.118	-0.80%	5.90%
50	26U	14.737	14.982	-0.245	-1.66%	12.23%
50	27U	14.813	14.934	-0.121	-0.82%	6.04%
50	28U	14.775	15.013	-0.239	-1.61%	11.93%
50	29U	14.804	14.918	-0.114	-0.77%	5.72%
50	30U	14.761	15.004	-0.243	-1.65%	12.17%
	Max	15.267	15.331	0.585	3.85%	29.26%
	Average	14.919	15.011	-0.092	-0.63%	11.16%
	Min	14.737	14.618	-0.284	-1.91%	2.38%
	Std Dev	0.214	0.173	0.251	1.67%	7.15%

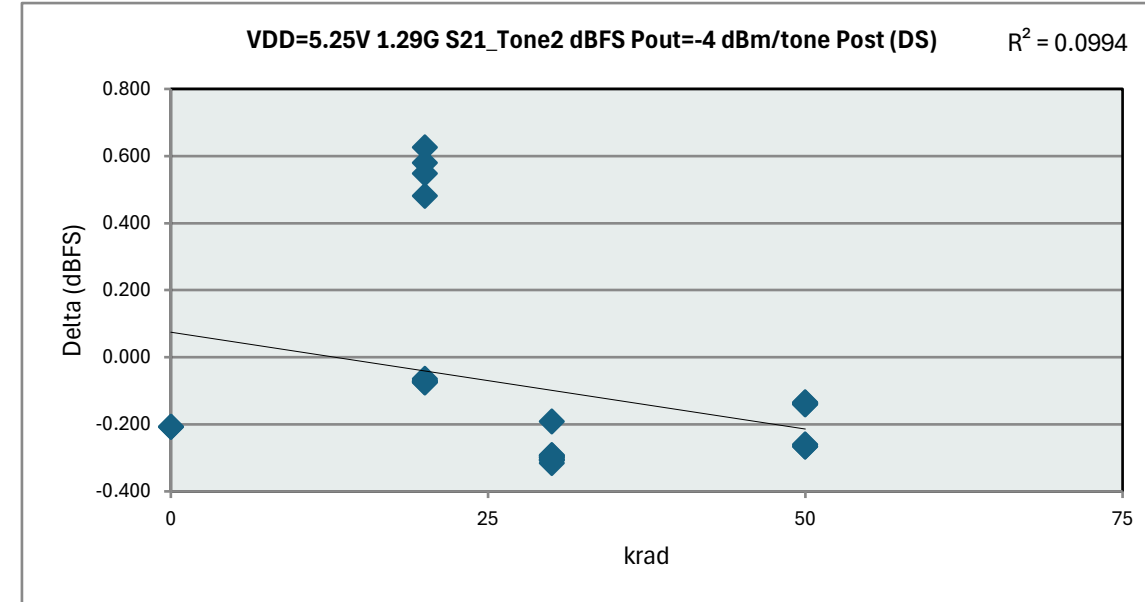


VDD=5.25V 1.29G S21_Tone1 dBFS Pout=-4 dBm/tone Post (DS)				
Max Limit	16.26	dBFS		
Min Limit	14.26	dBFS		
krad	0	20	30	50
LL	14.260	14.260	14.260	14.260
Min	14.960	14.618	14.923	14.867
Average	14.972	15.055	15.047	14.938
Max	14.984	15.331	15.144	15.013
UL	16.260	16.260	16.260	16.260

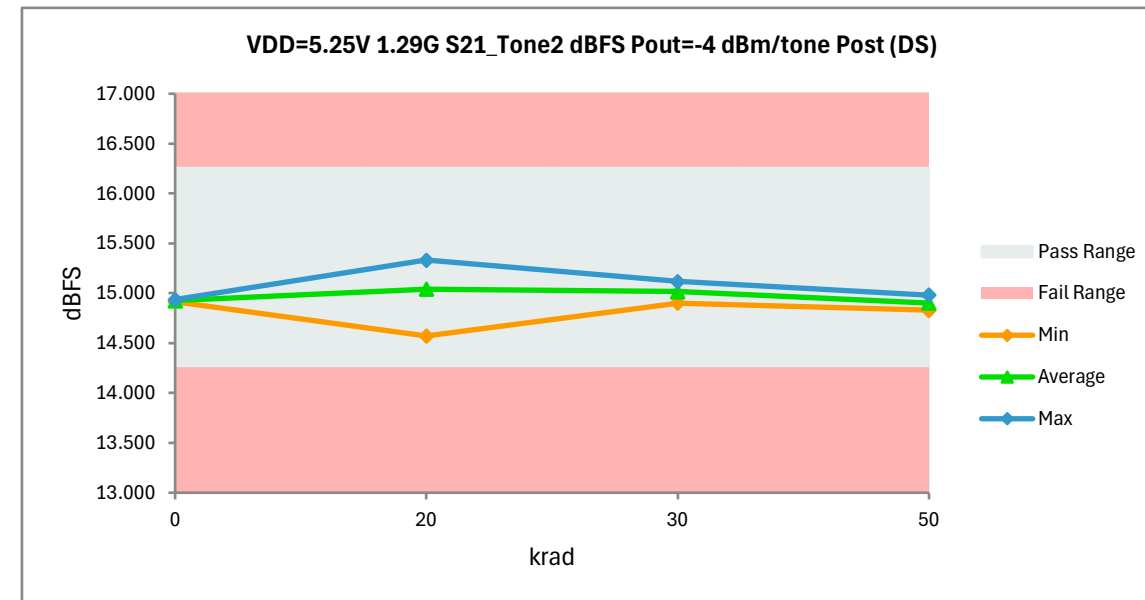


TID HDR Report  
TRF0108-SEP

VDD=5.25V 1.29G S21_Tone2 dBFS Pout=-4 dBm/tone Post (DS)						
Unit		dBFS	dBFS			
Max Limit		16.26	16.26			
Min Limit		14.26	14.26			
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	14.729	14.937	-0.208	-1.41%	10.40%
0	C2	14.707	14.914	-0.207	-1.41%	10.34%
20	1	15.198	14.572	0.627	4.12%	31.33%
20	2	15.246	14.667	0.579	3.80%	28.95%
20	3	15.247	14.699	0.548	3.59%	27.40%
20	4	15.261	15.333	-0.072	-0.47%	3.59%
20	5	15.254	14.772	0.482	3.16%	24.09%
20	6U	15.241	15.310	-0.069	-0.45%	3.45%
20	7U	15.160	15.236	-0.076	-0.50%	3.78%
20	8U	15.191	15.255	-0.064	-0.42%	3.21%
20	9U	15.209	15.282	-0.073	-0.48%	3.66%
20	10U	15.206	15.279	-0.072	-0.48%	3.62%
30	11	14.711	14.902	-0.191	-1.30%	9.57%
30	12	14.802	15.118	-0.316	-2.13%	15.79%
30	13	14.707	15.007	-0.300	-2.04%	15.01%
30	14	14.706	15.010	-0.305	-2.07%	15.23%
30	15	14.712	15.010	-0.298	-2.03%	14.90%
30	16U	14.749	15.054	-0.305	-2.07%	15.26%
30	17U	14.770	15.065	-0.295	-2.00%	14.74%
30	18U	14.724	15.031	-0.308	-2.09%	15.38%
30	19U	14.704	14.996	-0.292	-1.99%	14.60%
30	20U	14.686	14.979	-0.293	-1.99%	14.63%
50	21	14.691	14.829	-0.138	-0.94%	6.92%
50	22	14.706	14.968	-0.262	-1.78%	13.10%
50	23	14.720	14.855	-0.135	-0.92%	6.76%
50	24	14.701	14.840	-0.139	-0.94%	6.95%
50	25	14.719	14.856	-0.137	-0.93%	6.85%
50	26U	14.680	14.945	-0.265	-1.81%	13.27%
50	27U	14.754	14.894	-0.141	-0.95%	7.04%
50	28U	14.714	14.981	-0.267	-1.81%	13.34%
50	29U	14.747	14.881	-0.134	-0.91%	6.70%
50	30U	14.703	14.962	-0.260	-1.77%	12.98%
	Max	15.261	15.333	0.627	4.12%	31.33%
	Average	14.877	14.983	-0.106	-0.73%	12.28%
	Min	14.680	14.572	-0.316	-2.13%	3.21%
	Std Dev	0.238	0.187	0.270	1.80%	7.47%

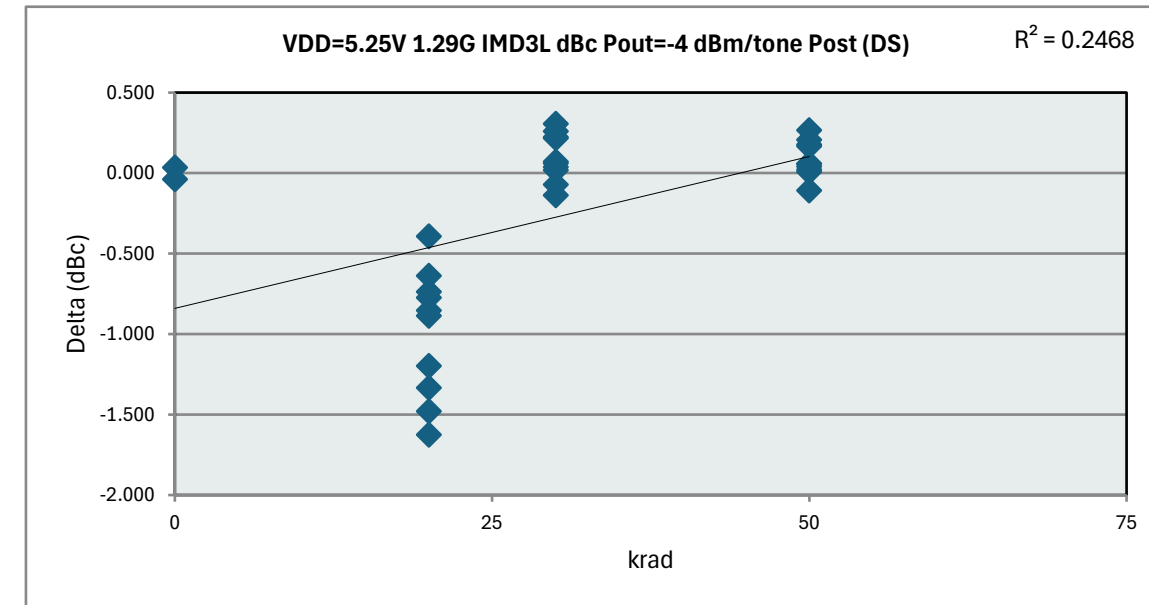


VDD=5.25V 1.29G S21_Tone2 dBFS Pout=-4 dBm/tone Post (DS)				
Max Limit	16.26	dBFS		
Min Limit	14.26	dBFS		
krad	0	20	30	50
LL	14.260	14.260	14.260	14.260
Min	14.914	14.572	14.902	14.829
Average	14.926	15.041	15.017	14.901
Max	14.937	15.333	15.118	14.981
UL	16.260	16.260	16.260	16.260

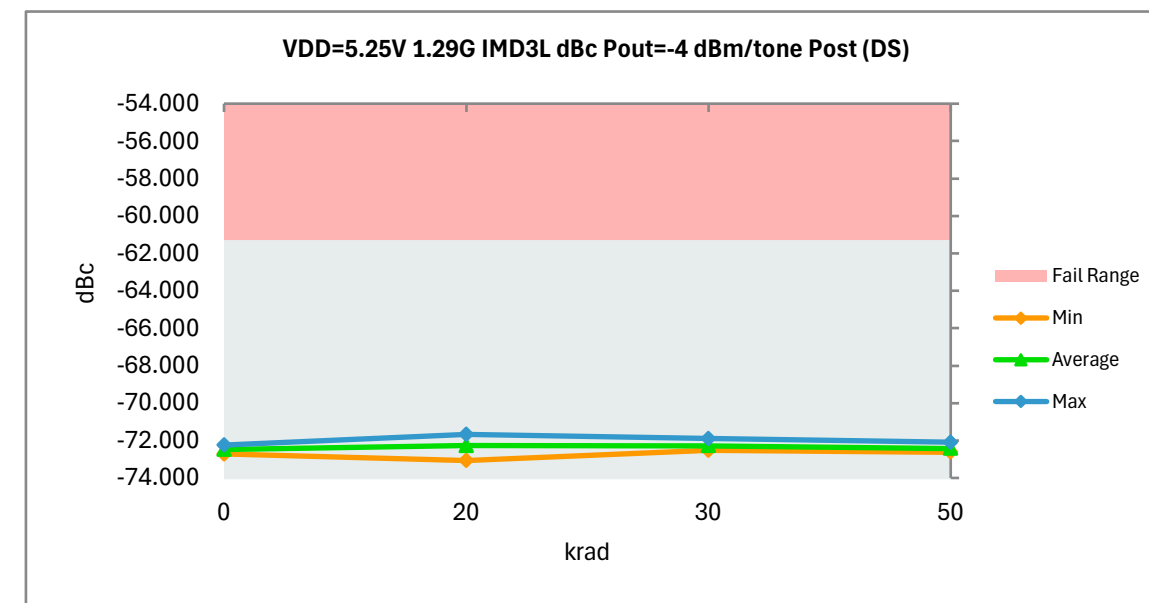


TID HDR Report  
TRF0108-SEP

VDD=5.25V 1.29G IMD3L dBc Pout=-4 dBm/tone Post (DS)						
Unit		dBc	dBc			
Max Limit		-61.3	-61.3			
Min Limit						
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	-72.684	-72.720	0.035	-0.05%	0.06%
0	C2	-72.282	-72.243	-0.039	0.05%	0.06%
20	1	-73.027	-71.693	-1.334	1.83%	2.18%
20	2	-72.948	-71.749	-1.198	1.64%	1.96%
20	3	-73.460	-71.982	-1.478	2.01%	2.41%
20	4	-73.348	-72.494	-0.854	1.16%	1.39%
20	5	-73.298	-71.673	-1.625	2.22%	2.65%
20	6U	-73.197	-72.460	-0.737	1.01%	1.20%
20	7U	-73.707	-73.070	-0.636	0.86%	1.04%
20	8U	-73.073	-72.299	-0.774	1.06%	1.26%
20	9U	-73.481	-72.597	-0.885	1.20%	1.44%
20	10U	-73.042	-72.651	-0.392	0.54%	0.64%
30	11	-72.215	-72.522	0.306	-0.42%	0.50%
30	12	-72.037	-71.899	-0.138	0.19%	0.22%
30	13	-72.295	-72.333	0.038	-0.05%	0.06%
30	14	-72.172	-72.102	-0.070	0.10%	0.11%
30	15	-72.023	-72.240	0.217	-0.30%	0.35%
30	16U	-72.293	-72.357	0.063	-0.09%	0.10%
30	17U	-72.014	-72.034	0.019	-0.03%	0.03%
30	18U	-72.262	-72.524	0.262	-0.36%	0.43%
30	19U	-72.383	-72.455	0.072	-0.10%	0.12%
30	20U	-72.201	-72.423	0.223	-0.31%	0.36%
50	21	-72.460	-72.628	0.168	-0.23%	0.27%
50	22	-72.228	-72.269	0.040	-0.06%	0.07%
50	23	-72.535	-72.545	0.010	-0.01%	0.02%
50	24	-72.507	-72.564	0.057	-0.08%	0.09%
50	25	-72.193	-72.460	0.267	-0.37%	0.44%
50	26U	-72.253	-72.461	0.208	-0.29%	0.34%
50	27U	-71.913	-72.092	0.179	-0.25%	0.29%
50	28U	-72.428	-72.322	-0.106	0.15%	0.17%
50	29U	-72.543	-72.603	0.060	-0.08%	0.10%
50	30U	-72.209	-72.230	0.021	-0.03%	0.03%
	Max	-71.913	-71.673	0.306	2.22%	2.65%
	Average	-72.585	-72.334	-0.251	0.34%	0.64%
	Min	-73.707	-73.070	-1.625	-0.42%	0.02%
	Std Dev	0.505	0.312	0.560	0.77%	0.77%

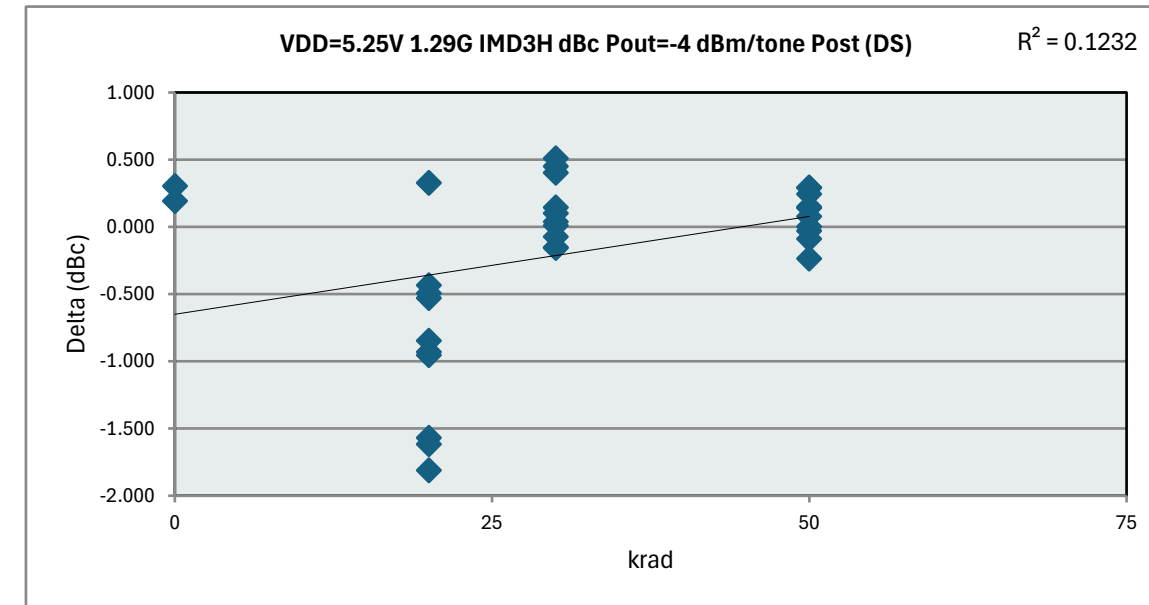


VDD=5.25V 1.29G IMD3L dBc Pout=-4 dBm/tone Post (DS)				
Max Limit	-61.3	dBc		
Min Limit		dBc		
krad	0	20	30	50
LL				
Min	-72.720	-73.070	-72.524	-72.628
Average	-72.481	-72.267	-72.289	-72.417
Max	-72.243	-71.673	-71.899	-72.092
UL	-61.300	-61.300	-61.300	-61.300

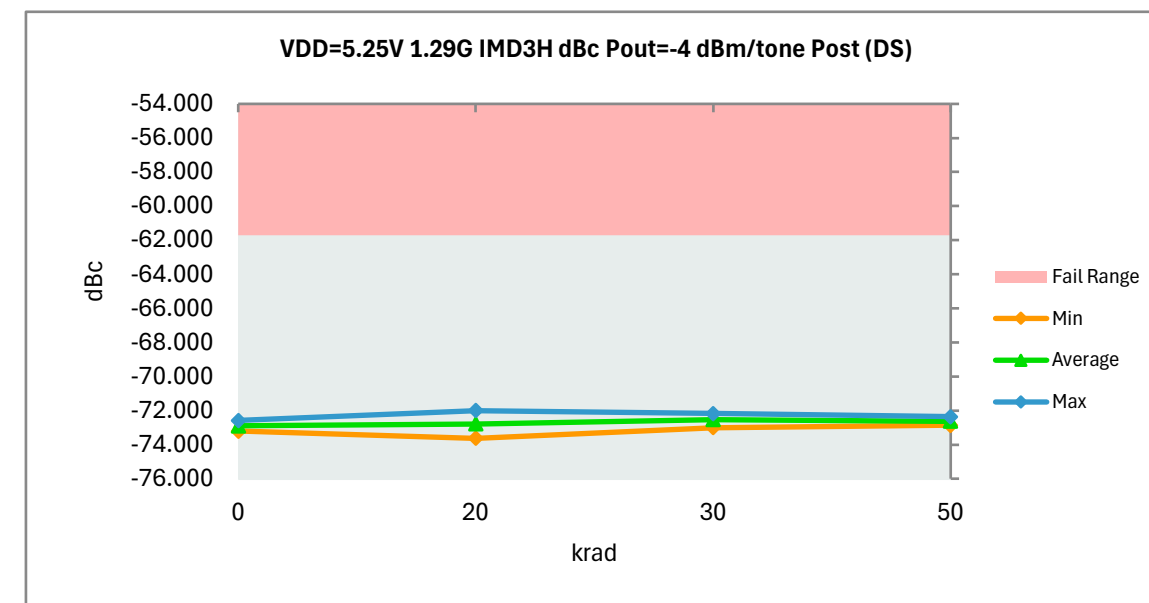


TID HDR Report  
TRF0108-SEP

VDD=5.25V 1.29G IMD3H dBc Pout=-4 dBm/tone Post (DS)						
Unit		dBc	dBc			
Max Limit		-61.7	-61.7			
Min Limit						
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	-72.905	-73.208	0.303	-0.42%	0.49%
0	C2	-72.388	-72.579	0.191	-0.26%	0.31%
20	1	-73.655	-72.085	-1.570	2.13%	2.54%
20	2	-73.139	-72.293	-0.846	1.16%	1.37%
20	3	-73.985	-72.175	-1.809	2.45%	2.93%
20	4	-73.937	-73.007	-0.930	1.26%	1.51%
20	5	-73.625	-72.009	-1.616	2.20%	2.62%
20	6U	-73.475	-73.039	-0.436	0.59%	0.71%
20	7U	-74.164	-73.635	-0.529	0.71%	0.86%
20	8U	-73.898	-73.405	-0.494	0.67%	0.80%
20	9U	-73.889	-72.935	-0.954	1.29%	1.55%
20	10U	-72.943	-73.273	0.329	-0.45%	0.53%
30	11	-72.266	-72.775	0.509	-0.70%	0.83%
30	12	-72.233	-72.245	0.011	-0.02%	0.02%
30	13	-72.551	-72.477	-0.074	0.10%	0.12%
30	14	-72.155	-72.558	0.403	-0.56%	0.65%
30	15	-72.257	-72.403	0.146	-0.20%	0.24%
30	16U	-72.391	-72.492	0.101	-0.14%	0.16%
30	17U	-72.334	-72.178	-0.156	0.22%	0.25%
30	18U	-72.550	-73.001	0.451	-0.62%	0.73%
30	19U	-72.757	-72.605	-0.152	0.21%	0.25%
30	20U	-72.586	-72.624	0.039	-0.05%	0.06%
50	21	-72.627	-72.630	0.003	0.00%	0.00%
50	22	-72.509	-72.799	0.290	-0.40%	0.47%
50	23	-72.716	-72.859	0.143	-0.20%	0.23%
50	24	-72.523	-72.671	0.148	-0.20%	0.24%
50	25	-72.788	-72.550	-0.238	0.33%	0.39%
50	26U	-72.169	-72.414	0.244	-0.34%	0.40%
50	27U	-72.065	-72.356	0.290	-0.40%	0.47%
50	28U	-72.664	-72.634	-0.030	0.04%	0.05%
50	29U	-72.907	-72.819	-0.088	0.12%	0.14%
50	30U	-72.487	-72.565	0.078	-0.11%	0.13%
	Max	-72.065	-72.009	0.509	2.45%	2.93%
	Average	-72.861	-72.666	-0.195	0.26%	0.69%
	Min	-74.164	-73.635	-1.809	-0.70%	0.00%
	Std Dev	0.626	0.385	0.612	0.83%	0.77%

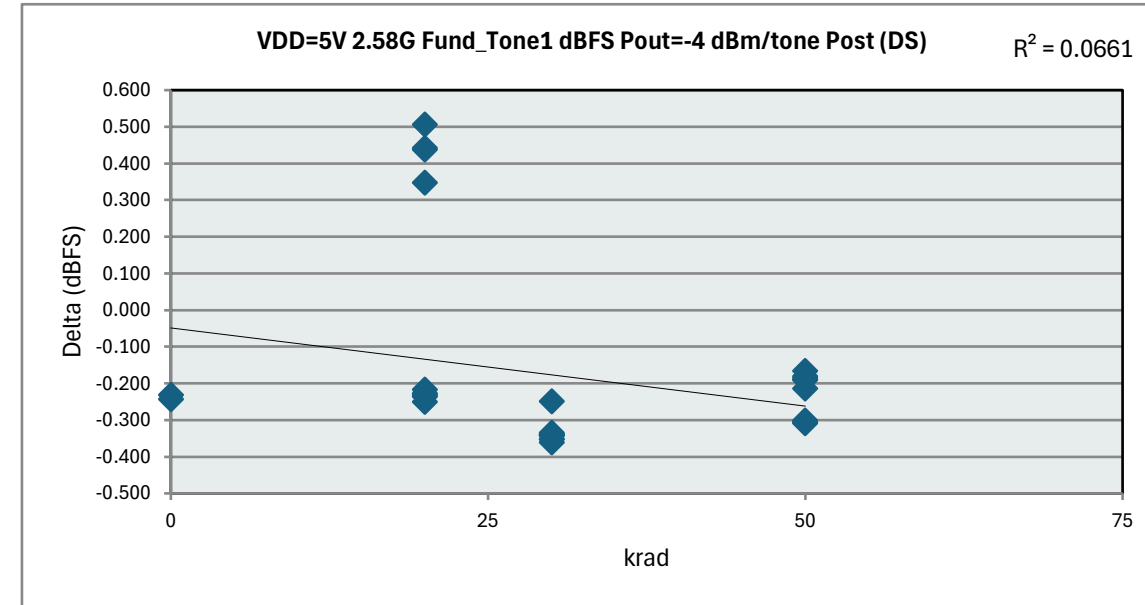


VDD=5.25V 1.29G IMD3H dBc Pout=-4 dBm/tone Post (DS)				
Max Limit	-61.7	dBc		
Min Limit		dBc		
krad	0	20	30	50
LL				
Min	-73.208	-73.635	-73.001	-72.859
Average	-72.894	-72.786	-72.536	-72.630
Max	-72.579	-72.009	-72.178	-72.356
UL	-61.700	-61.700	-61.700	-61.700

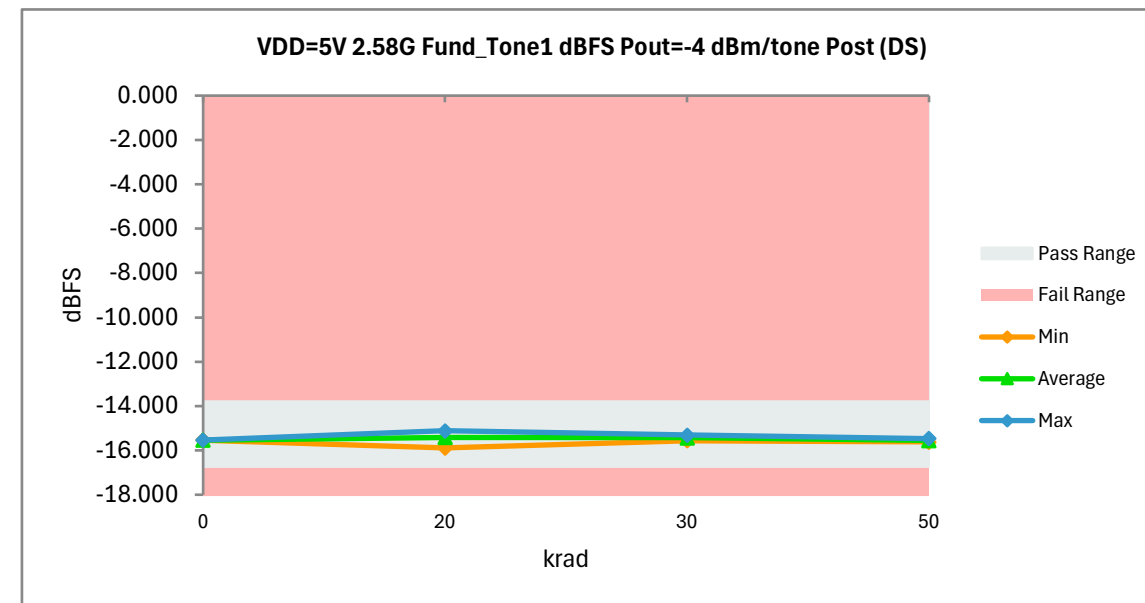


TID HDR Report  
TRF0108-SEP

VDD=5V 2.58G Fund_Tone1 dBFS Pout=-4 dBm/tone Post (DS)						
Unit		dBFS	dBFS			
Max Limit		-13.75	-13.75			
Min Limit		-16.75	-16.75			
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	-15.778	-15.535	-0.243	1.54%	8.09%
0	C2	-15.774	-15.543	-0.232	1.47%	7.72%
20	1	-15.382	-15.888	0.506	-3.29%	16.87%
20	2	-15.370	-15.813	0.443	-2.88%	14.77%
20	3	-15.369	-15.808	0.439	-2.85%	14.62%
20	4	-15.362	-15.111	-0.250	1.63%	8.34%
20	5	-15.349	-15.698	0.349	-2.27%	11.62%
20	6U	-15.392	-15.157	-0.235	1.53%	7.85%
20	7U	-15.440	-15.210	-0.230	1.49%	7.65%
20	8U	-15.416	-15.188	-0.227	1.47%	7.58%
20	9U	-15.377	-15.144	-0.234	1.52%	7.78%
20	10U	-15.377	-15.160	-0.217	1.41%	7.23%
30	11	-15.807	-15.559	-0.248	1.57%	8.26%
30	12	-15.664	-15.312	-0.352	2.25%	11.73%
30	13	-15.804	-15.464	-0.340	2.15%	11.33%
30	14	-15.795	-15.457	-0.338	2.14%	11.27%
30	15	-15.784	-15.444	-0.340	2.15%	11.32%
30	16U	-15.736	-15.383	-0.352	2.24%	11.74%
30	17U	-15.705	-15.362	-0.344	2.19%	11.46%
30	18U	-15.779	-15.418	-0.361	2.29%	12.02%
30	19U	-15.787	-15.452	-0.335	2.12%	11.16%
30	20U	-15.832	-15.493	-0.340	2.15%	11.32%
50	21	-15.837	-15.623	-0.214	1.35%	7.14%
50	22	-15.812	-15.512	-0.300	1.90%	10.01%
50	23	-15.788	-15.608	-0.180	1.14%	5.99%
50	24	-15.779	-15.614	-0.165	1.05%	5.51%
50	25	-15.783	-15.594	-0.189	1.20%	6.31%
50	26U	-15.820	-15.512	-0.309	1.95%	10.30%
50	27U	-15.725	-15.534	-0.190	1.21%	6.35%
50	28U	-15.767	-15.464	-0.303	1.92%	10.11%
50	29U	-15.729	-15.545	-0.185	1.17%	6.15%
50	30U	-15.802	-15.494	-0.307	1.94%	10.24%
	Max	-15.349	-15.111	0.506	2.29%	16.87%
	Average	-15.654	-15.472	-0.182	1.15%	9.68%
	Min	-15.837	-15.888	-0.361	-3.29%	5.51%
	Std Dev	0.189	0.196	0.245	1.58%	2.79%



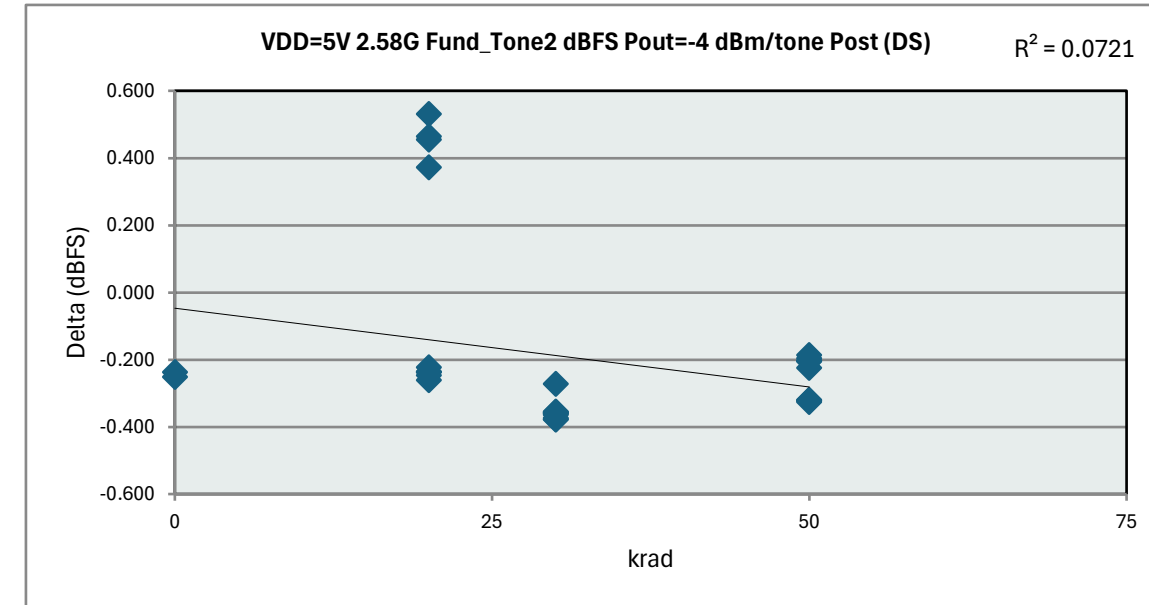
VDD=5V 2.58G Fund_Tone1 dBFS Pout=-4 dBm/tone Post (DS)				
Max Limit	-13.75	dBFS		
Min Limit	-16.75	dBFS		
krad	0	20	30	50
LL	-16.750	-16.750	-16.750	-16.750
Min	-15.543	-15.888	-15.559	-15.623
Average	-15.539	-15.418	-15.435	-15.550
Max	-15.535	-15.111	-15.312	-15.464
UL	-13.750	-13.750	-13.750	-13.750



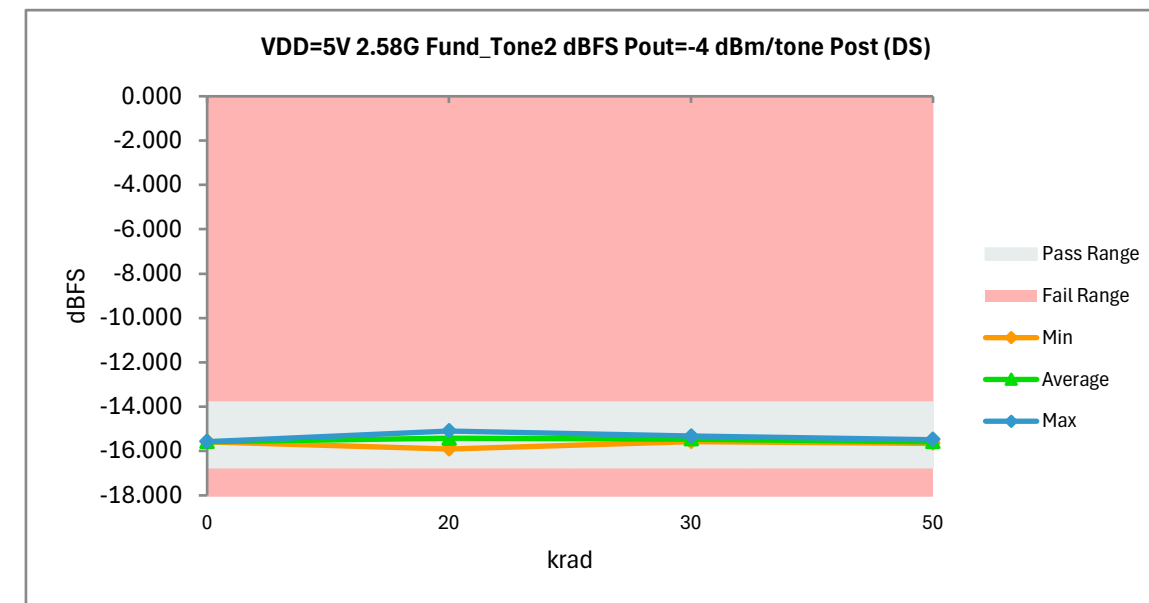


TID HDR Report  
TRF0108-SEP

VDD=5V 2.58G Fund_Tone2 dBFS Pout=-4 dBm/tone Post (DS)						
Unit		dBFS	dBFS			
Max Limit		-13.75	-13.75			
Min Limit		-16.75	-16.75			
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	-15.830	-15.578	-0.253	1.60%	8.42%
0	C2	-15.824	-15.586	-0.238	1.50%	7.93%
20	1	-15.379	-15.909	0.531	-3.45%	17.69%
20	2	-15.368	-15.832	0.464	-3.02%	15.48%
20	3	-15.371	-15.825	0.454	-2.96%	15.14%
20	4	-15.360	-15.099	-0.261	1.70%	8.70%
20	5	-15.348	-15.720	0.372	-2.42%	12.40%
20	6U	-15.388	-15.150	-0.238	1.55%	7.93%
20	7U	-15.440	-15.203	-0.237	1.53%	7.90%
20	8U	-15.414	-15.175	-0.238	1.55%	7.94%
20	9U	-15.379	-15.132	-0.247	1.60%	8.23%
20	10U	-15.375	-15.151	-0.224	1.45%	7.46%
30	11	-15.849	-15.576	-0.273	1.72%	9.11%
30	12	-15.710	-15.332	-0.377	2.40%	12.58%
30	13	-15.855	-15.490	-0.365	2.30%	12.16%
30	14	-15.845	-15.488	-0.358	2.26%	11.93%
30	15	-15.829	-15.471	-0.357	2.26%	11.91%
30	16U	-15.787	-15.413	-0.374	2.37%	12.46%
30	17U	-15.758	-15.396	-0.362	2.30%	12.06%
30	18U	-15.829	-15.450	-0.379	2.39%	12.62%
30	19U	-15.835	-15.474	-0.361	2.28%	12.02%
30	20U	-15.880	-15.525	-0.355	2.23%	11.82%
50	21	-15.882	-15.657	-0.225	1.42%	7.50%
50	22	-15.860	-15.536	-0.324	2.05%	10.81%
50	23	-15.834	-15.638	-0.196	1.24%	6.55%
50	24	-15.832	-15.644	-0.188	1.19%	6.26%
50	25	-15.833	-15.629	-0.204	1.29%	6.81%
50	26U	-15.867	-15.545	-0.322	2.03%	10.74%
50	27U	-15.773	-15.566	-0.207	1.31%	6.90%
50	28U	-15.816	-15.489	-0.327	2.07%	10.90%
50	29U	-15.779	-15.577	-0.202	1.28%	6.75%
50	30U	-15.851	-15.531	-0.320	2.02%	10.66%
	Max	-15.348	-15.099	0.531	2.40%	17.69%
	Average	-15.687	-15.493	-0.193	1.22%	10.24%
	Min	-15.882	-15.909	-0.379	-3.45%	6.26%
	Std Dev	0.212	0.207	0.258	1.66%	2.89%

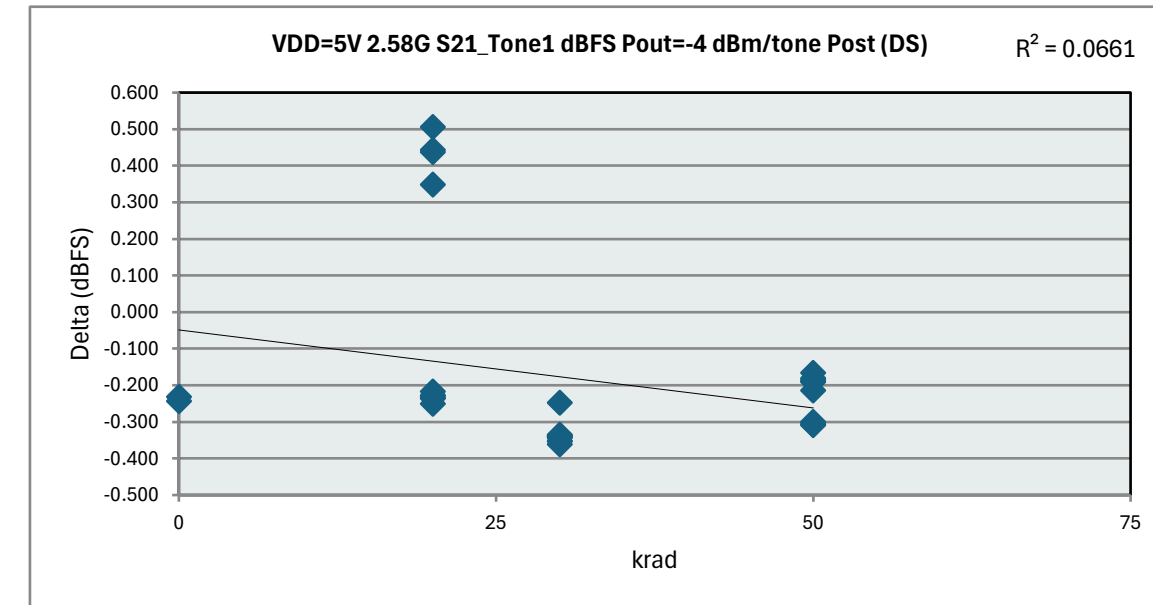


VDD=5V 2.58G Fund_Tone2 dBFS Pout=-4 dBm/tone Post (DS)				
Max Limit	-13.75	dBFS		
Min Limit	-16.75	dBFS		
krad	0	20	30	50
LL	-16.750	-16.750	-16.750	-16.750
Min	-15.586	-15.909	-15.576	-15.657
Average	-15.582	-15.420	-15.462	-15.581
Max	-15.578	-15.099	-15.332	-15.489
UL	-13.750	-13.750	-13.750	-13.750

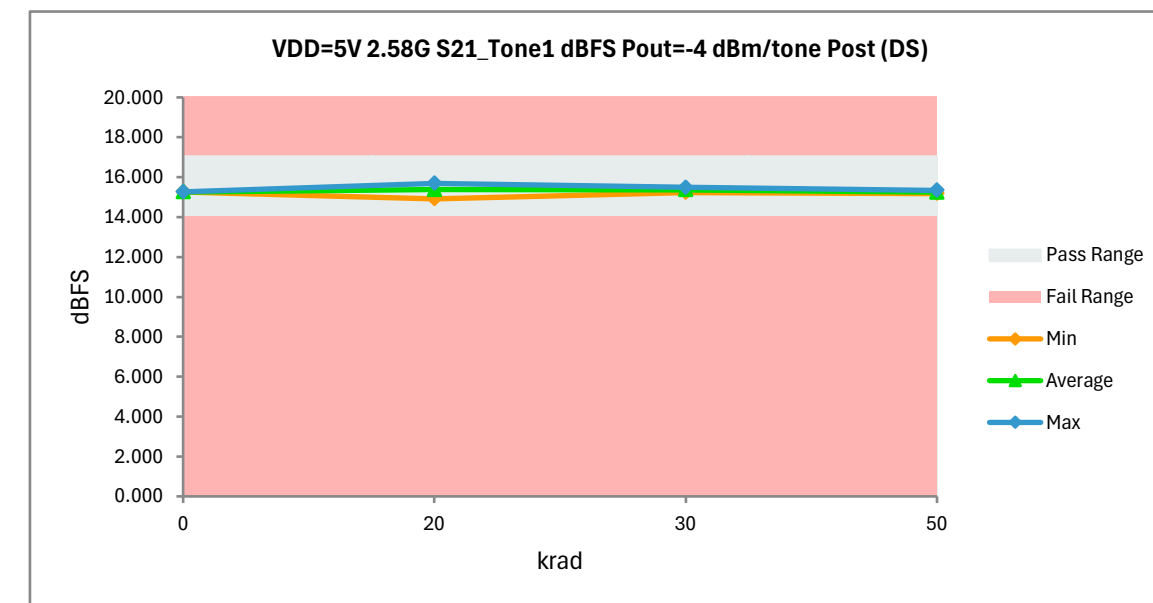


TID HDR Report  
TRF0108-SEP

VDD=5V 2.58G S21_Tone1 dBFS Pout=-4 dBm/tone Post (DS)						
Unit		dBFS	dBFS			
Max Limit		17.05	17.05			
Min Limit		14.05	14.05			
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	15.022	15.265	-0.243	-1.62%	8.09%
0	C2	15.026	15.257	-0.232	-1.54%	7.72%
20	1	15.418	14.912	0.506	3.28%	16.87%
20	2	15.430	14.987	0.443	2.87%	14.77%
20	3	15.431	14.992	0.439	2.84%	14.62%
20	4	15.438	15.689	-0.250	-1.62%	8.34%
20	5	15.451	15.102	0.349	2.26%	11.62%
20	6U	15.408	15.643	-0.235	-1.53%	7.85%
20	7U	15.360	15.590	-0.230	-1.49%	7.65%
20	8U	15.384	15.612	-0.227	-1.48%	7.58%
20	9U	15.423	15.656	-0.234	-1.51%	7.78%
20	10U	15.423	15.640	-0.217	-1.41%	7.23%
30	11	14.993	15.241	-0.248	-1.65%	8.26%
30	12	15.136	15.488	-0.352	-2.32%	11.73%
30	13	14.996	15.336	-0.340	-2.27%	11.33%
30	14	15.005	15.343	-0.338	-2.25%	11.27%
30	15	15.016	15.356	-0.340	-2.26%	11.32%
30	16U	15.064	15.417	-0.352	-2.34%	11.74%
30	17U	15.095	15.438	-0.344	-2.28%	11.46%
30	18U	15.021	15.382	-0.361	-2.40%	12.02%
30	19U	15.013	15.348	-0.335	-2.23%	11.16%
30	20U	14.968	15.307	-0.340	-2.27%	11.32%
50	21	14.963	15.177	-0.214	-1.43%	7.14%
50	22	14.988	15.288	-0.300	-2.00%	10.01%
50	23	15.012	15.192	-0.180	-1.20%	5.99%
50	24	15.021	15.186	-0.165	-1.10%	5.51%
50	25	15.017	15.206	-0.189	-1.26%	6.31%
50	26U	14.980	15.288	-0.309	-2.06%	10.30%
50	27U	15.075	15.266	-0.190	-1.26%	6.35%
50	28U	15.033	15.336	-0.303	-2.02%	10.11%
50	29U	15.071	15.255	-0.185	-1.22%	6.15%
50	30U	14.998	15.306	-0.307	-2.05%	10.24%
	Max	15.451	15.689	0.506	3.28%	16.87%
	Average	15.146	15.328	-0.182	-1.21%	9.68%
	Min	14.963	14.912	-0.361	-2.40%	5.51%
	Std Dev	0.189	0.196	0.245	1.60%	2.79%

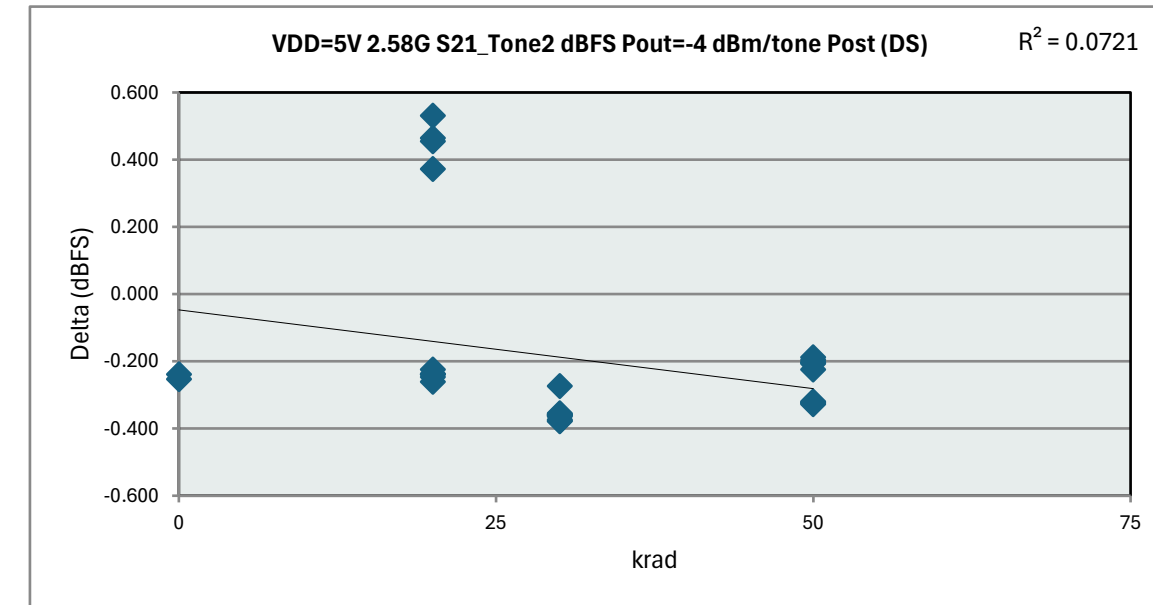


VDD=5V 2.58G S21_Tone1 dBFS Pout=-4 dBm/tone Post (DS)				
Max Limit	17.05	dBFS		
Min Limit	14.05	dBFS		
krad	0	20	30	50
LL	14.050	14.050	14.050	14.050
Min	15.257	14.912	15.241	15.177
Average	15.261	15.382	15.365	15.250
Max	15.265	15.689	15.488	15.336
UL	17.050	17.050	17.050	17.050

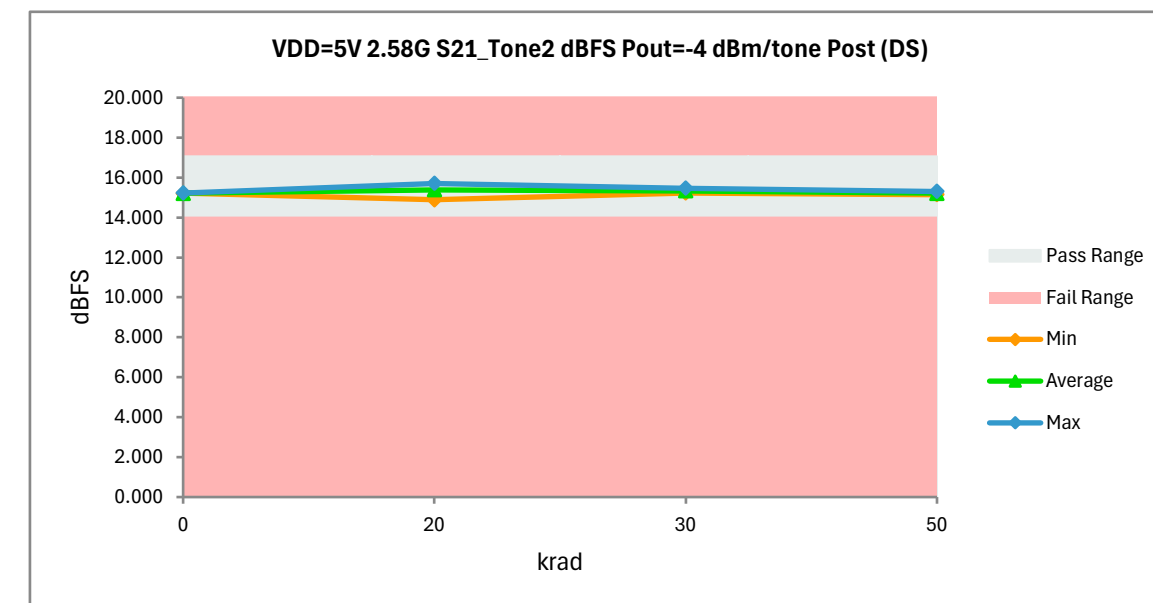


TID HDR Report  
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VDD=5V 2.58G S21_Tone2 dBFS Pout=-4 dBm/tone Post (DS)						
Unit		dBFS	dBFS			
Max Limit		17.05	17.05			
Min Limit		14.05	14.05			
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	14.970	15.222	-0.253	-1.69%	8.42%
0	C2	14.976	15.214	-0.238	-1.59%	7.93%
20	1	15.421	14.891	0.531	3.44%	17.69%
20	2	15.432	14.968	0.464	3.01%	15.48%
20	3	15.429	14.975	0.454	2.94%	15.14%
20	4	15.440	15.701	-0.261	-1.69%	8.70%
20	5	15.452	15.080	0.372	2.41%	12.40%
20	6U	15.412	15.650	-0.238	-1.54%	7.93%
20	7U	15.360	15.597	-0.237	-1.54%	7.90%
20	8U	15.386	15.625	-0.238	-1.55%	7.94%
20	9U	15.421	15.668	-0.247	-1.60%	8.23%
20	10U	15.425	15.649	-0.224	-1.45%	7.46%
30	11	14.951	15.224	-0.273	-1.83%	9.11%
30	12	15.090	15.468	-0.377	-2.50%	12.58%
30	13	14.945	15.310	-0.365	-2.44%	12.16%
30	14	14.955	15.312	-0.358	-2.39%	11.93%
30	15	14.971	15.329	-0.357	-2.39%	11.91%
30	16U	15.013	15.387	-0.374	-2.49%	12.46%
30	17U	15.042	15.404	-0.362	-2.40%	12.06%
30	18U	14.971	15.350	-0.379	-2.53%	12.62%
30	19U	14.965	15.326	-0.361	-2.41%	12.02%
30	20U	14.920	15.275	-0.355	-2.38%	11.82%
50	21	14.918	15.143	-0.225	-1.51%	7.50%
50	22	14.940	15.264	-0.324	-2.17%	10.81%
50	23	14.966	15.162	-0.196	-1.31%	6.55%
50	24	14.968	15.156	-0.188	-1.25%	6.26%
50	25	14.967	15.171	-0.204	-1.36%	6.81%
50	26U	14.933	15.255	-0.322	-2.16%	10.74%
50	27U	15.027	15.234	-0.207	-1.38%	6.90%
50	28U	14.984	15.311	-0.327	-2.18%	10.90%
50	29U	15.021	15.223	-0.202	-1.35%	6.75%
50	30U	14.949	15.269	-0.320	-2.14%	10.66%
	Max	15.452	15.701	0.531	3.44%	17.69%
	Average	15.113	15.307	-0.193	-1.29%	10.24%
	Min	14.918	14.891	-0.379	-2.53%	6.26%
	Std Dev	0.212	0.207	0.258	1.69%	2.89%



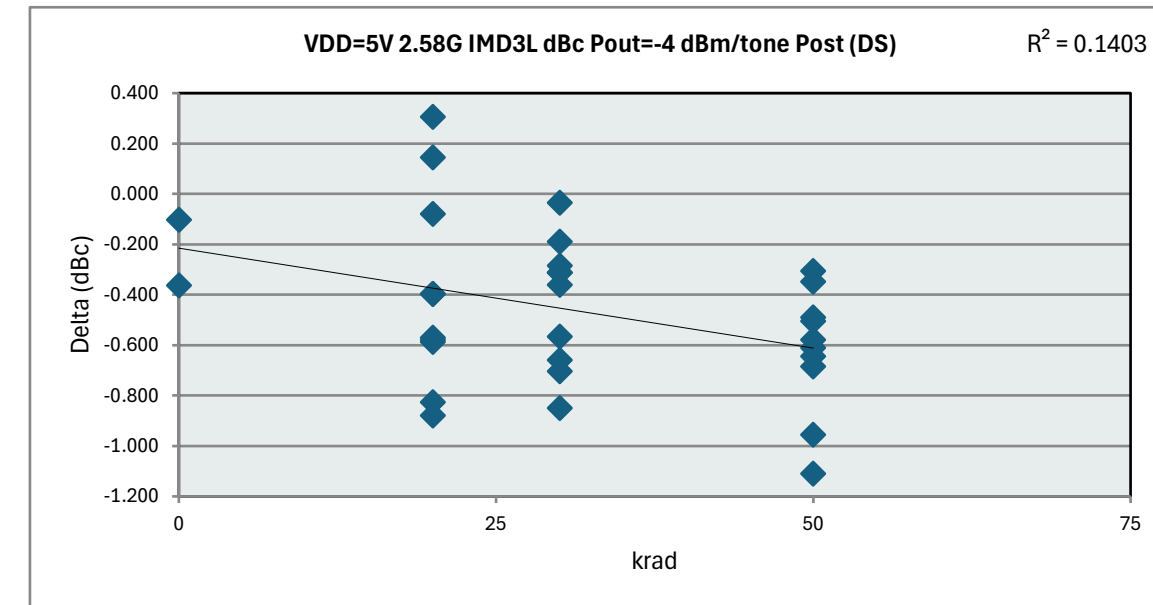
VDD=5V 2.58G S21_Tone2 dBFS Pout=-4 dBm/tone Post (DS)				
Max Limit	17.05	dBFS		
Min Limit	14.05	dBFS		
krad	0	20	30	50
LL	14.050	14.050	14.050	14.050
Min	15.214	14.891	15.224	15.143
Average	15.218	15.380	15.338	15.219
Max	15.222	15.701	15.468	15.311
UL	17.050	17.050	17.050	17.050



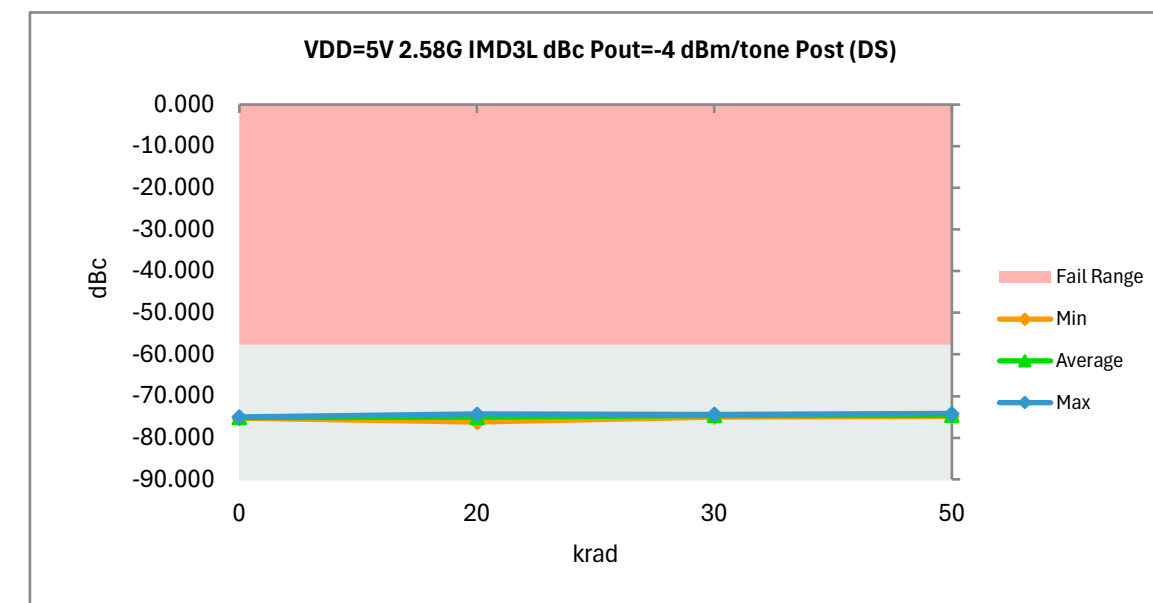
TID HDR Report  
TRF0108-SEP

VDD=5V 2.58G IMD3L dBc Pout=-4 dBm/tone Post (DS)

Unit		dBc	dBc			
Max Limit		-57.7	-57.7			
Min Limit						
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	-75.698	-75.336	-0.361	0.48%	0.63%
0	C2	-75.110	-75.009	-0.101	0.13%	0.18%
20	1	-75.756	-74.877	-0.879	1.16%	1.52%
20	2	-74.823	-74.426	-0.397	0.53%	0.69%
20	3	-75.607	-75.210	-0.397	0.52%	0.69%
20	4	-74.873	-75.020	0.146	-0.20%	0.25%
20	5	-75.136	-74.311	-0.825	1.10%	1.43%
20	6U	-75.489	-74.902	-0.587	0.78%	1.02%
20	7U	-75.920	-76.227	0.307	-0.40%	0.53%
20	8U	-75.827	-75.256	-0.570	0.75%	0.99%
20	9U	-76.029	-75.451	-0.579	0.76%	1.00%
20	10U	-75.432	-75.353	-0.078	0.10%	0.14%
30	11	-75.205	-74.547	-0.659	0.88%	1.14%
30	12	-74.912	-74.551	-0.361	0.48%	0.63%
30	13	-75.319	-74.754	-0.565	0.75%	0.98%
30	14	-75.118	-74.416	-0.702	0.93%	1.22%
30	15	-74.588	-74.555	-0.033	0.04%	0.06%
30	16U	-74.957	-74.646	-0.312	0.42%	0.54%
30	17U	-74.886	-74.574	-0.312	0.42%	0.54%
30	18U	-75.310	-75.025	-0.285	0.38%	0.49%
30	19U	-75.036	-74.848	-0.188	0.25%	0.33%
30	20U	-75.536	-74.687	-0.849	1.12%	1.47%
50	21	-75.003	-74.500	-0.504	0.67%	0.87%
50	22	-75.055	-74.477	-0.578	0.77%	1.00%
50	23	-75.368	-74.878	-0.490	0.65%	0.85%
50	24	-75.670	-74.716	-0.954	1.26%	1.65%
50	25	-75.116	-74.506	-0.610	0.81%	1.06%
50	26U	-74.960	-74.656	-0.304	0.41%	0.53%
50	27U	-74.809	-74.165	-0.644	0.86%	1.12%
50	28U	-74.980	-74.632	-0.348	0.46%	0.60%
50	29U	-75.799	-74.690	-1.110	1.46%	1.92%
50	30U	-75.395	-74.711	-0.685	0.91%	1.19%
	Max	-74.588	-74.165	0.307	1.46%	1.92%
	Average	-75.273	-74.810	-0.463	0.61%	0.85%
	Min	-76.029	-76.227	-1.110	-0.40%	0.06%
	Std Dev	0.373	0.408	0.312	0.41%	0.46%



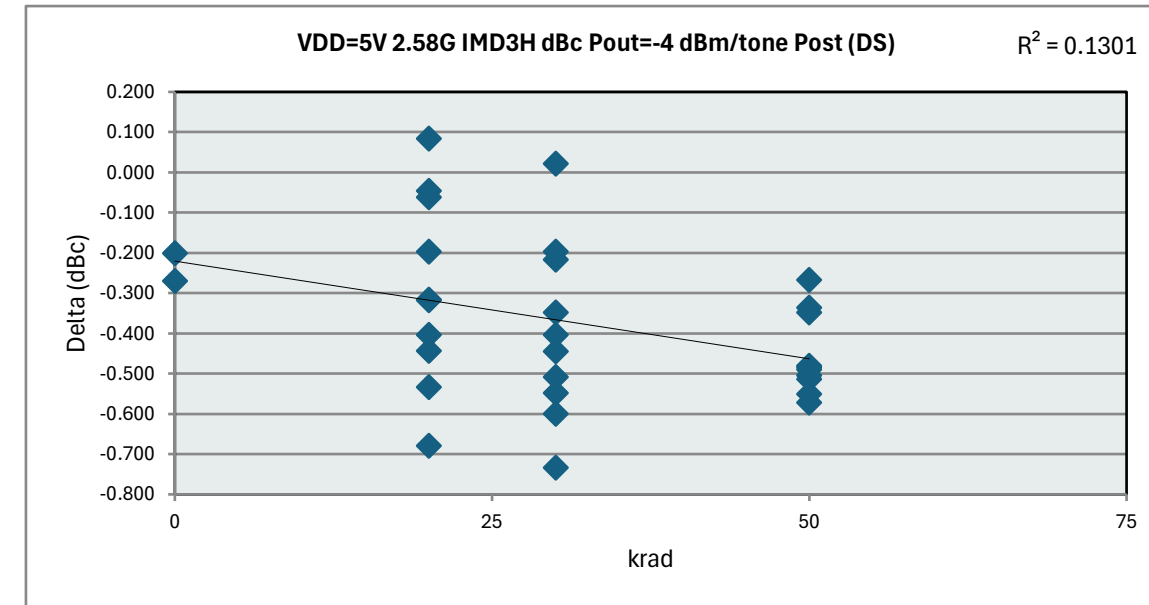
VDD=5V 2.58G IMD3L dBc Pout=-4 dBm/tone Post (DS)				
Max Limit	-57.7	dBc		
Min Limit		dBc		
krad	0	20	30	50
LL				
Min	-75.336	-76.227	-75.025	-74.878
Average	-75.173	-75.103	-74.660	-74.593
Max	-75.009	-74.311	-74.416	-74.165
UL	-57.700	-57.700	-57.700	-57.700



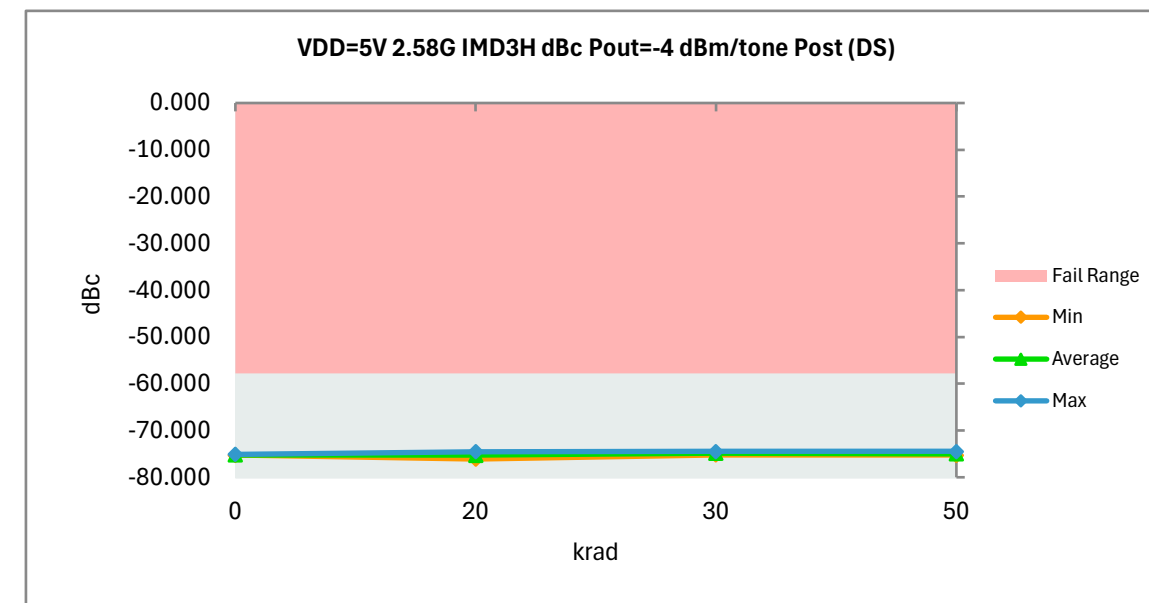
TID HDR Report  
TRF0108-SEP

VDD=5V 2.58G IMD3H dBc Pout=-4 dBm/tone Post (DS)

Unit		dBc				
Max Limit		-57.75				
Min Limit						
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	-75.480	-75.279	-0.201	0.27%	0.35%
0	C2	-75.376	-75.106	-0.270	0.36%	0.47%
20	1	-75.636	-75.103	-0.534	0.71%	0.92%
20	2	-74.452	-74.537	0.084	-0.11%	0.15%
20	3	-75.422	-75.226	-0.197	0.26%	0.34%
20	4	-75.132	-75.070	-0.062	0.08%	0.11%
20	5	-75.473	-74.793	-0.680	0.90%	1.18%
20	6U	-75.552	-75.235	-0.317	0.42%	0.55%
20	7U	-76.548	-76.105	-0.443	0.58%	0.77%
20	8U	-75.619	-75.574	-0.045	0.06%	0.08%
20	9U	-75.936	-75.620	-0.316	0.42%	0.55%
20	10U	-75.671	-75.267	-0.404	0.53%	0.70%
30	11	-75.433	-74.700	-0.733	0.97%	1.27%
30	12	-75.017	-74.821	-0.197	0.26%	0.34%
30	13	-75.345	-75.128	-0.217	0.29%	0.38%
30	14	-75.311	-74.764	-0.548	0.73%	0.95%
30	15	-74.889	-74.444	-0.445	0.59%	0.77%
30	16U	-75.218	-74.815	-0.403	0.54%	0.70%
30	17U	-74.781	-74.803	0.022	-0.03%	0.04%
30	18U	-75.737	-75.229	-0.508	0.67%	0.88%
30	19U	-75.367	-75.019	-0.348	0.46%	0.60%
30	20U	-75.432	-74.833	-0.600	0.79%	1.04%
50	21	-75.404	-74.833	-0.572	0.76%	0.99%
50	22	-75.533	-75.196	-0.336	0.45%	0.58%
50	23	-75.515	-75.167	-0.347	0.46%	0.60%
50	24	-75.565	-75.085	-0.480	0.64%	0.83%
50	25	-75.403	-74.852	-0.551	0.73%	0.95%
50	26U	-75.147	-74.663	-0.484	0.64%	0.84%
50	27U	-74.986	-74.482	-0.504	0.67%	0.87%
50	28U	-75.480	-74.990	-0.490	0.65%	0.85%
50	29U	-75.762	-75.249	-0.514	0.68%	0.89%
50	30U	-75.329	-75.061	-0.268	0.36%	0.46%
Max		-74.452	-74.444	0.084	0.97%	1.27%
Average		-75.405	-75.033	-0.372	0.49%	0.66%
Min		-76.548	-76.105	-0.733	-0.11%	0.04%
Std Dev		0.367	0.344	0.199	0.26%	0.32%

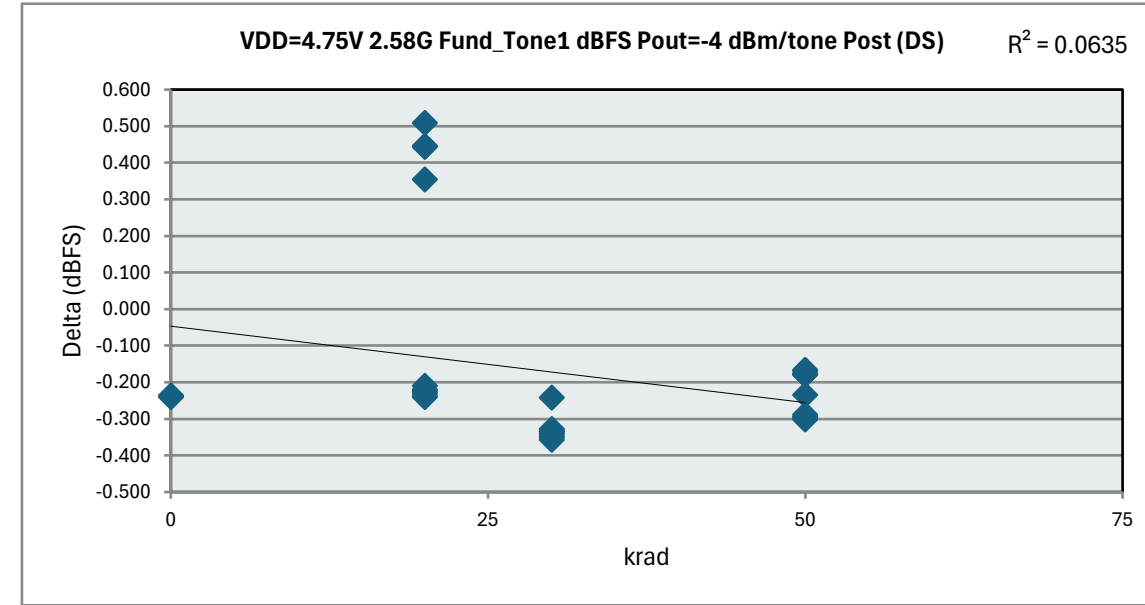


VDD=5V 2.58G IMD3H dBc Pout=-4 dBm/tone Post (DS)				
Max Limit	-57.75	dBc		
Min Limit		dBc		
krad	0	20	30	50
LL				
Min	-75.279	-76.105	-75.229	-75.249
Average	-75.192	-75.253	-74.855	-74.958
Max	-75.106	-74.537	-74.444	-74.482
UL	-57.750	-57.750	-57.750	-57.750

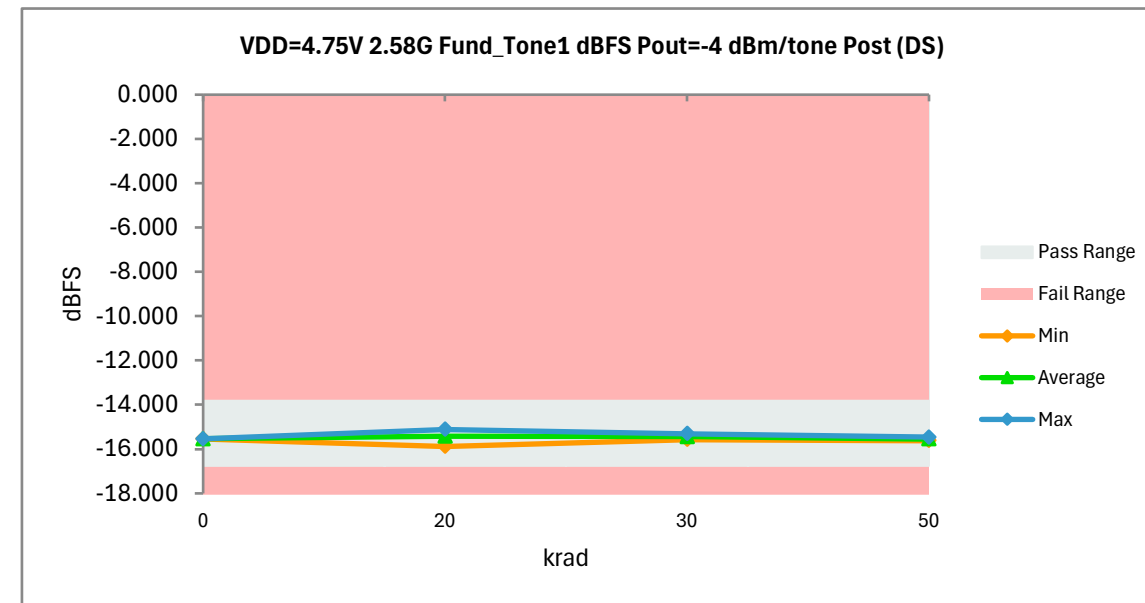


TID HDR Report  
TRF0108-SEP

VDD=4.75V 2.58G Fund_Tone1 dBFS Pout=-4 dBm/tone Post (DS)						
Unit		dBFS	dBFS			
Max Limit		-13.76	-13.76			
Min Limit		-16.76	-16.76			
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	-15.776	-15.537	-0.240	1.52%	7.99%
0	C2	-15.781	-15.545	-0.236	1.49%	7.86%
20	1	-15.374	-15.884	0.509	-3.31%	16.98%
20	2	-15.359	-15.807	0.447	-2.91%	14.91%
20	3	-15.366	-15.809	0.443	-2.89%	14.78%
20	4	-15.357	-15.117	-0.240	1.56%	8.01%
20	5	-15.351	-15.706	0.355	-2.31%	11.82%
20	6U	-15.390	-15.160	-0.230	1.50%	7.68%
20	7U	-15.446	-15.221	-0.226	1.46%	7.52%
20	8U	-15.405	-15.186	-0.219	1.42%	7.31%
20	9U	-15.379	-15.142	-0.237	1.54%	7.89%
20	10U	-15.379	-15.169	-0.210	1.37%	7.00%
30	11	-15.810	-15.568	-0.241	1.53%	8.04%
30	12	-15.655	-15.308	-0.348	2.22%	11.59%
30	13	-15.802	-15.463	-0.338	2.14%	11.28%
30	14	-15.792	-15.458	-0.334	2.11%	11.13%
30	15	-15.777	-15.444	-0.333	2.11%	11.09%
30	16U	-15.731	-15.380	-0.351	2.23%	11.69%
30	17U	-15.709	-15.367	-0.342	2.18%	11.40%
30	18U	-15.777	-15.420	-0.357	2.26%	11.90%
30	19U	-15.774	-15.440	-0.334	2.12%	11.14%
30	20U	-15.817	-15.490	-0.327	2.07%	10.89%
50	21	-15.834	-15.599	-0.235	1.48%	7.83%
50	22	-15.808	-15.520	-0.288	1.82%	9.59%
50	23	-15.785	-15.619	-0.166	1.05%	5.53%
50	24	-15.781	-15.613	-0.169	1.07%	5.62%
50	25	-15.773	-15.594	-0.179	1.14%	5.98%
50	26U	-15.815	-15.519	-0.296	1.87%	9.86%
50	27U	-15.721	-15.543	-0.179	1.14%	5.96%
50	28U	-15.751	-15.457	-0.294	1.87%	9.80%
50	29U	-15.729	-15.553	-0.176	1.12%	5.87%
50	30U	-15.793	-15.492	-0.301	1.90%	10.02%
	Max	-15.351	-15.117	0.509	2.26%	16.98%
	Average	-15.650	-15.473	-0.177	1.12%	9.56%
	Min	-15.834	-15.884	-0.357	-3.31%	5.53%
	Std Dev	0.188	0.195	0.245	1.58%	2.85%

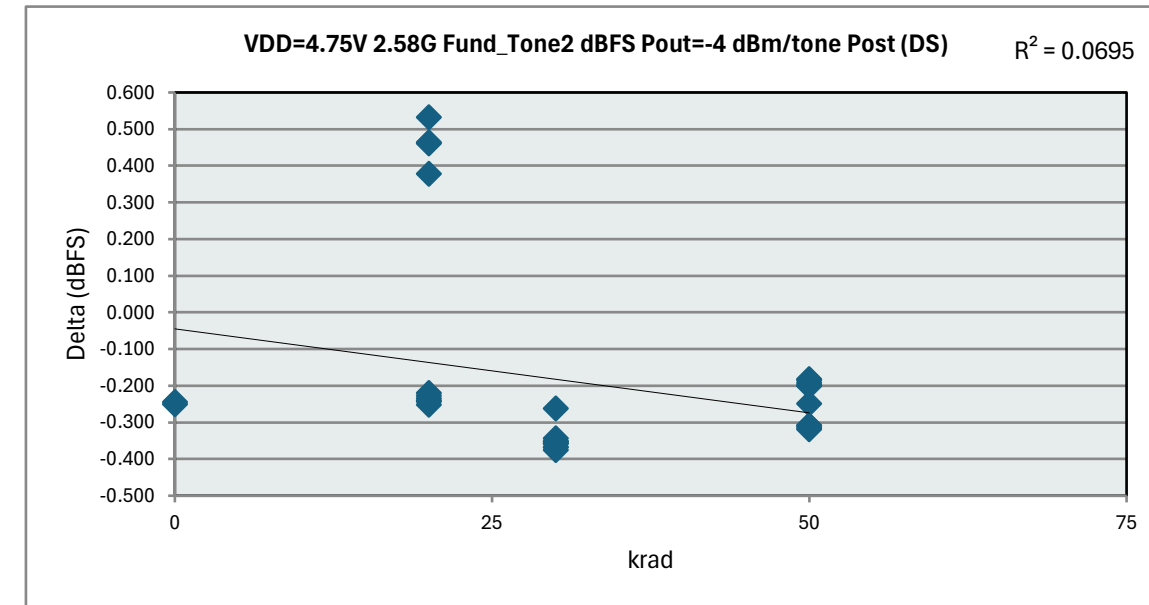


VDD=4.75V 2.58G Fund_Tone1 dBFS Pout=-4 dBm/tone Post (DS)				
Max Limit	-13.76	dBFS		
Min Limit	-16.76	dBFS		
krad	0	20	30	50
LL	-16.760	-16.760	-16.760	-16.760
Min	-15.545	-15.884	-15.568	-15.619
Average	-15.541	-15.420	-15.434	-15.551
Max	-15.537	-15.117	-15.308	-15.457
UL	-13.760	-13.760	-13.760	-13.760

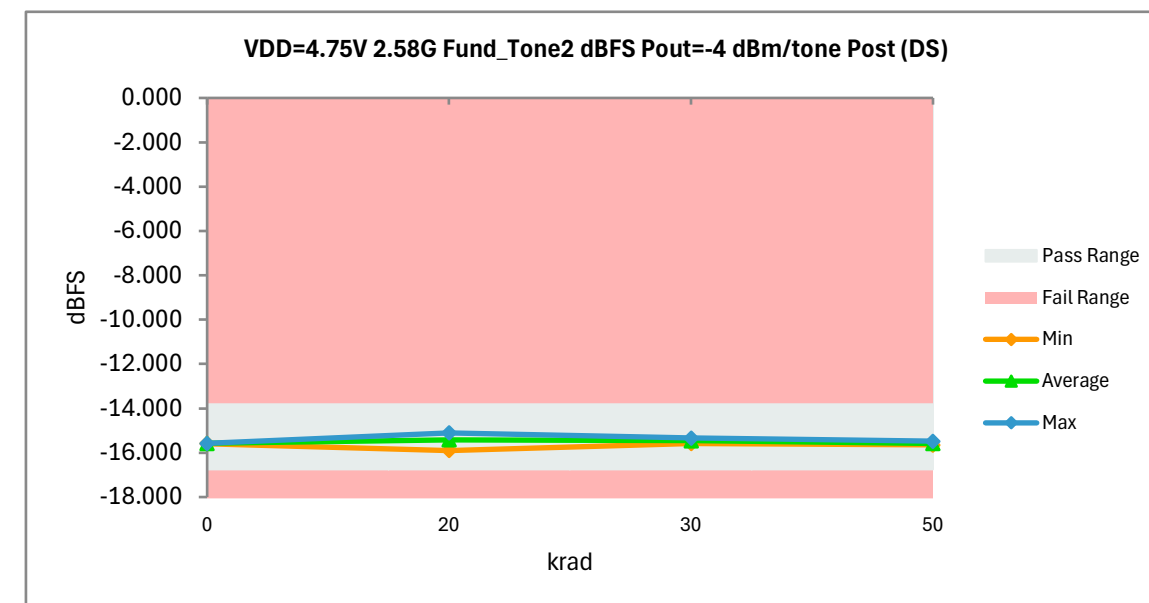


TID HDR Report  
TRF0108-SEP

VDD=4.75V 2.58G Fund_Tone2 dBFS Pout=-4 dBm/tone Post (DS)						
Unit		dBFS	dBFS			
Max Limit		-13.76	-13.76			
Min Limit		-16.76	-16.76			
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	-15.828	-15.577	-0.251	1.58%	8.36%
0	C2	-15.831	-15.587	-0.244	1.54%	8.13%
20	1	-15.372	-15.904	0.532	-3.46%	17.73%
20	2	-15.360	-15.825	0.465	-3.03%	15.49%
20	3	-15.367	-15.828	0.461	-3.00%	15.38%
20	4	-15.359	-15.107	-0.252	1.64%	8.39%
20	5	-15.344	-15.722	0.378	-2.46%	12.60%
20	6U	-15.392	-15.152	-0.240	1.56%	8.00%
20	7U	-15.447	-15.212	-0.235	1.52%	7.83%
20	8U	-15.403	-15.175	-0.227	1.48%	7.58%
20	9U	-15.377	-15.135	-0.242	1.58%	8.08%
20	10U	-15.377	-15.158	-0.220	1.43%	7.32%
30	11	-15.848	-15.585	-0.263	1.66%	8.75%
30	12	-15.701	-15.334	-0.367	2.33%	12.22%
30	13	-15.849	-15.491	-0.358	2.26%	11.94%
30	14	-15.842	-15.489	-0.353	2.23%	11.78%
30	15	-15.825	-15.473	-0.352	2.23%	11.75%
30	16U	-15.778	-15.411	-0.368	2.33%	12.25%
30	17U	-15.759	-15.402	-0.357	2.27%	11.91%
30	18U	-15.824	-15.448	-0.375	2.37%	12.51%
30	19U	-15.816	-15.465	-0.351	2.22%	11.71%
30	20U	-15.862	-15.519	-0.343	2.16%	11.44%
50	21	-15.882	-15.633	-0.249	1.57%	8.30%
50	22	-15.858	-15.544	-0.314	1.98%	10.46%
50	23	-15.835	-15.649	-0.185	1.17%	6.18%
50	24	-15.831	-15.649	-0.182	1.15%	6.05%
50	25	-15.824	-15.624	-0.200	1.27%	6.68%
50	26U	-15.863	-15.555	-0.309	1.95%	10.29%
50	27U	-15.774	-15.577	-0.198	1.25%	6.60%
50	28U	-15.805	-15.487	-0.318	2.01%	10.61%
50	29U	-15.778	-15.586	-0.192	1.22%	6.41%
50	30U	-15.839	-15.531	-0.308	1.95%	10.28%
	Max	-15.344	-15.107	0.532	2.37%	17.73%
	Average	-15.683	-15.495	-0.188	1.19%	10.09%
	Min	-15.882	-15.904	-0.375	-3.46%	6.05%
	Std Dev	0.211	0.205	0.257	1.65%	2.93%

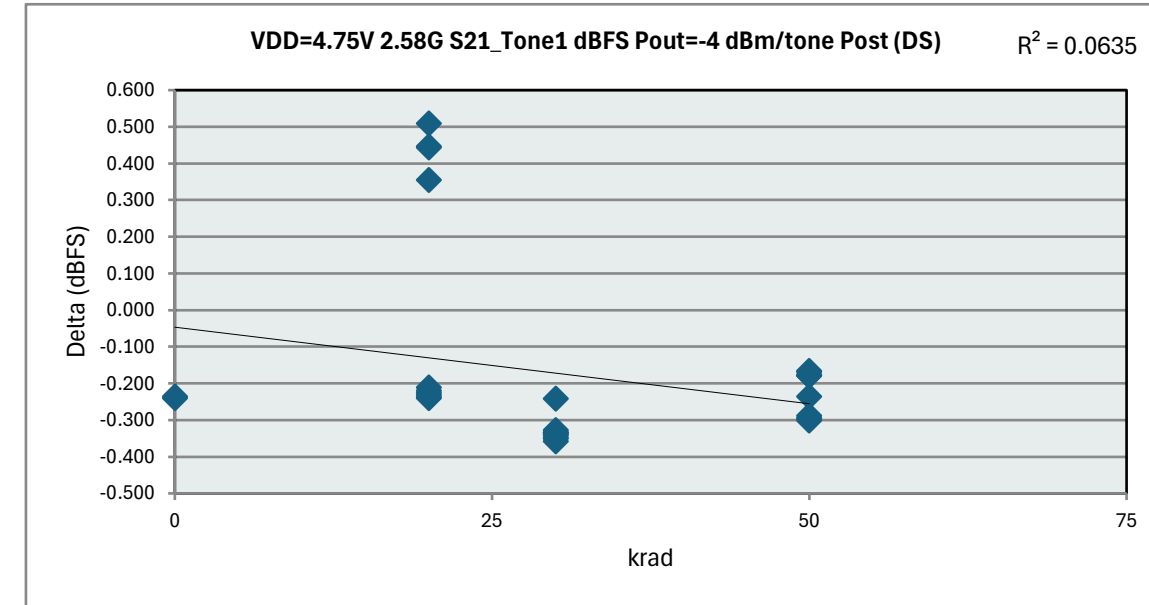


VDD=4.75V 2.58G Fund_Tone2 dBFS Pout=-4 dBm/tone Post (DS)				
Max Limit	-13.76	dBFS		
Min Limit	-16.76	dBFS		
krad	0	20	30	50
LL	-16.760	-16.760	-16.760	-16.760
Min	-15.587	-15.904	-15.585	-15.649
Average	-15.582	-15.422	-15.462	-15.583
Max	-15.577	-15.107	-15.334	-15.487
UL	-13.760	-13.760	-13.760	-13.760

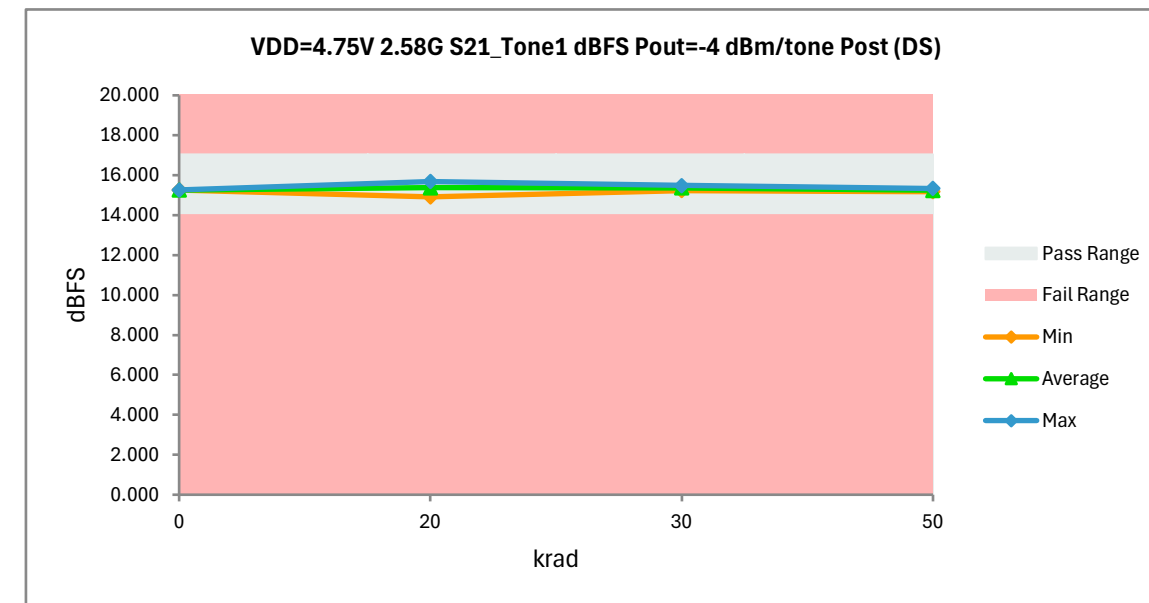


TID HDR Report  
TRF0108-SEP

VDD=4.75V 2.58G S21_Tone1 dBFS Pout=-4 dBm/tone Post (DS)						
Unit		dBFS	dBFS			
Max Limit		17.05	17.05			
Min Limit		14.05	14.05			
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	15.024	15.263	-0.240	-1.60%	7.99%
0	C2	15.019	15.255	-0.236	-1.57%	7.86%
20	1	15.426	14.916	0.509	3.30%	16.98%
20	2	15.441	14.993	0.447	2.90%	14.91%
20	3	15.434	14.991	0.443	2.87%	14.78%
20	4	15.443	15.683	-0.240	-1.56%	8.01%
20	5	15.449	15.094	0.355	2.30%	11.82%
20	6U	15.410	15.640	-0.230	-1.49%	7.68%
20	7U	15.354	15.579	-0.226	-1.47%	7.52%
20	8U	15.395	15.614	-0.219	-1.43%	7.31%
20	9U	15.421	15.658	-0.237	-1.53%	7.89%
20	10U	15.421	15.631	-0.210	-1.36%	7.00%
30	11	14.990	15.232	-0.241	-1.61%	8.04%
30	12	15.145	15.492	-0.348	-2.30%	11.59%
30	13	14.998	15.337	-0.338	-2.26%	11.28%
30	14	15.008	15.342	-0.334	-2.23%	11.13%
30	15	15.023	15.356	-0.333	-2.22%	11.09%
30	16U	15.069	15.420	-0.351	-2.33%	11.69%
30	17U	15.091	15.433	-0.342	-2.27%	11.40%
30	18U	15.023	15.380	-0.357	-2.38%	11.90%
30	19U	15.026	15.360	-0.334	-2.22%	11.14%
30	20U	14.983	15.310	-0.327	-2.18%	10.89%
50	21	14.966	15.201	-0.235	-1.57%	7.83%
50	22	14.992	15.280	-0.288	-1.92%	9.59%
50	23	15.015	15.181	-0.166	-1.10%	5.53%
50	24	15.019	15.187	-0.169	-1.12%	5.62%
50	25	15.027	15.206	-0.179	-1.19%	5.98%
50	26U	14.985	15.281	-0.296	-1.97%	9.86%
50	27U	15.079	15.257	-0.179	-1.18%	5.96%
50	28U	15.049	15.343	-0.294	-1.95%	9.80%
50	29U	15.071	15.247	-0.176	-1.17%	5.87%
50	30U	15.007	15.308	-0.301	-2.00%	10.02%
	Max	15.449	15.683	0.509	3.30%	16.98%
	Average	15.150	15.327	-0.177	-1.18%	9.56%
	Min	14.966	14.916	-0.357	-2.38%	5.53%
	Std Dev	0.188	0.195	0.245	1.60%	2.85%



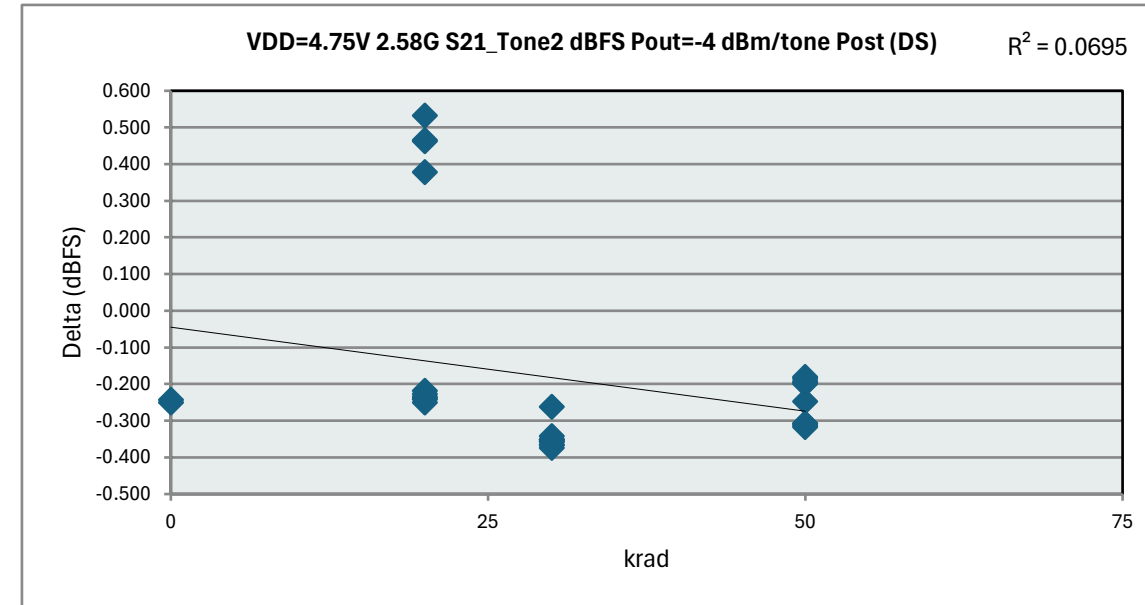
VDD=4.75V 2.58G S21_Tone1 dBFS Pout=-4 dBm/tone Post (DS)				
Max Limit	17.05	dBFS		
Min Limit	14.05	dBFS		
krad	0	20	30	50
LL	14.050	14.050	14.050	14.050
Min	15.255	14.916	15.232	15.181
Average	15.259	15.380	15.366	15.249
Max	15.263	15.683	15.492	15.343
UL	17.050	17.050	17.050	17.050



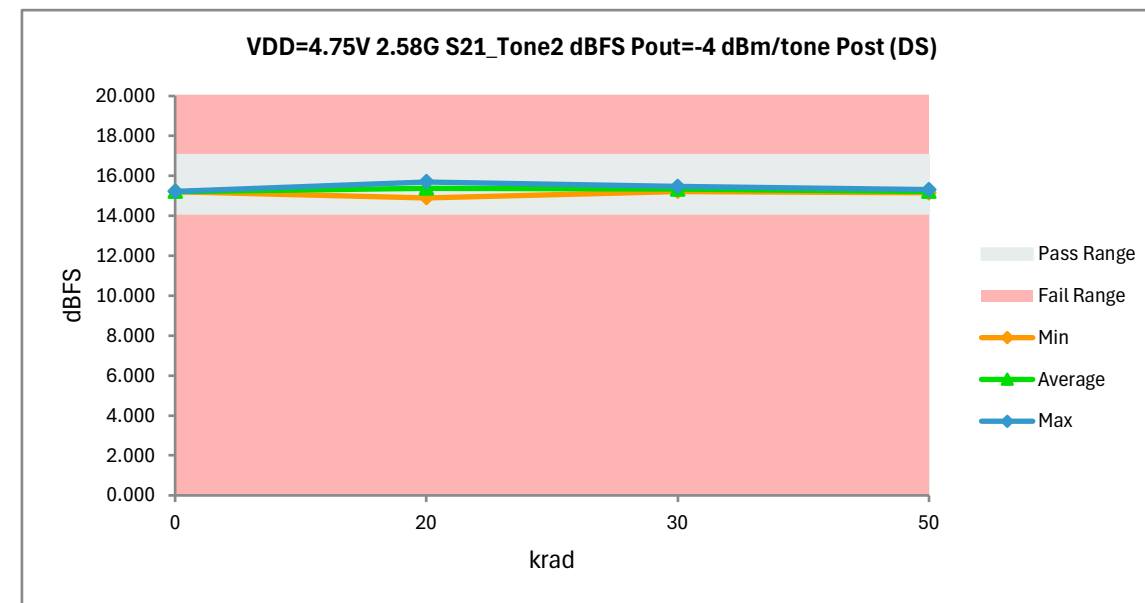


TID HDR Report  
TRF0108-SEP

VDD=4.75V 2.58G S21_Tone2 dBFS Pout=-4 dBm/tone Post (DS)						
Unit		dBFS	dBFS			
Max Limit		17.05	17.05			
Min Limit		14.05	14.05			
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	14.972	15.223	-0.251	-1.67%	8.36%
0	C2	14.969	15.213	-0.244	-1.63%	8.13%
20	1	15.428	14.896	0.532	3.45%	17.73%
20	2	15.440	14.975	0.465	3.01%	15.49%
20	3	15.433	14.972	0.461	2.99%	15.38%
20	4	15.441	15.693	-0.252	-1.63%	8.39%
20	5	15.456	15.078	0.378	2.45%	12.60%
20	6U	15.408	15.648	-0.240	-1.56%	8.00%
20	7U	15.353	15.588	-0.235	-1.53%	7.83%
20	8U	15.397	15.625	-0.227	-1.48%	7.58%
20	9U	15.423	15.665	-0.242	-1.57%	8.08%
20	10U	15.423	15.642	-0.220	-1.42%	7.32%
30	11	14.952	15.215	-0.263	-1.76%	8.75%
30	12	15.099	15.466	-0.367	-2.43%	12.22%
30	13	14.951	15.309	-0.358	-2.40%	11.94%
30	14	14.958	15.311	-0.353	-2.36%	11.78%
30	15	14.975	15.327	-0.352	-2.35%	11.75%
30	16U	15.022	15.389	-0.368	-2.45%	12.25%
30	17U	15.041	15.398	-0.357	-2.38%	11.91%
30	18U	14.976	15.352	-0.375	-2.51%	12.51%
30	19U	14.984	15.335	-0.351	-2.34%	11.71%
30	20U	14.938	15.281	-0.343	-2.30%	11.44%
50	21	14.918	15.167	-0.249	-1.67%	8.30%
50	22	14.942	15.256	-0.314	-2.10%	10.46%
50	23	14.965	15.151	-0.185	-1.24%	6.18%
50	24	14.969	15.151	-0.182	-1.21%	6.05%
50	25	14.976	15.176	-0.200	-1.34%	6.68%
50	26U	14.937	15.245	-0.309	-2.07%	10.29%
50	27U	15.026	15.223	-0.198	-1.32%	6.60%
50	28U	14.995	15.313	-0.318	-2.12%	10.61%
50	29U	15.022	15.214	-0.192	-1.28%	6.41%
50	30U	14.961	15.269	-0.308	-2.06%	10.28%
	Max	15.456	15.693	0.532	3.45%	17.73%
	Average	15.117	15.305	-0.188	-1.26%	10.09%
	Min	14.918	14.896	-0.375	-2.51%	6.05%
	Std Dev	0.211	0.205	0.257	1.68%	2.93%

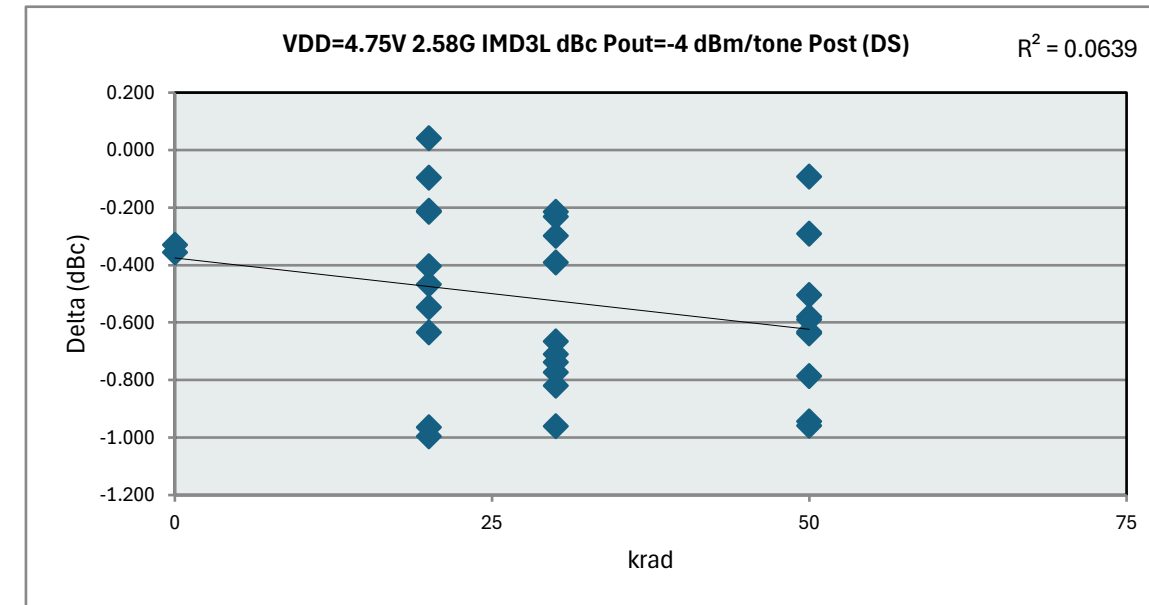


VDD=4.75V 2.58G S21_Tone2 dBFS Pout=-4 dBm/tone Post (DS)				
Max Limit	17.05	dBFS		
Min Limit	14.05	dBFS		
krad	0	20	30	50
LL	14.050	14.050	14.050	14.050
Min	15.213	14.896	15.215	15.151
Average	15.218	15.378	15.338	15.217
Max	15.223	15.693	15.466	15.313
UL	17.050	17.050	17.050	17.050

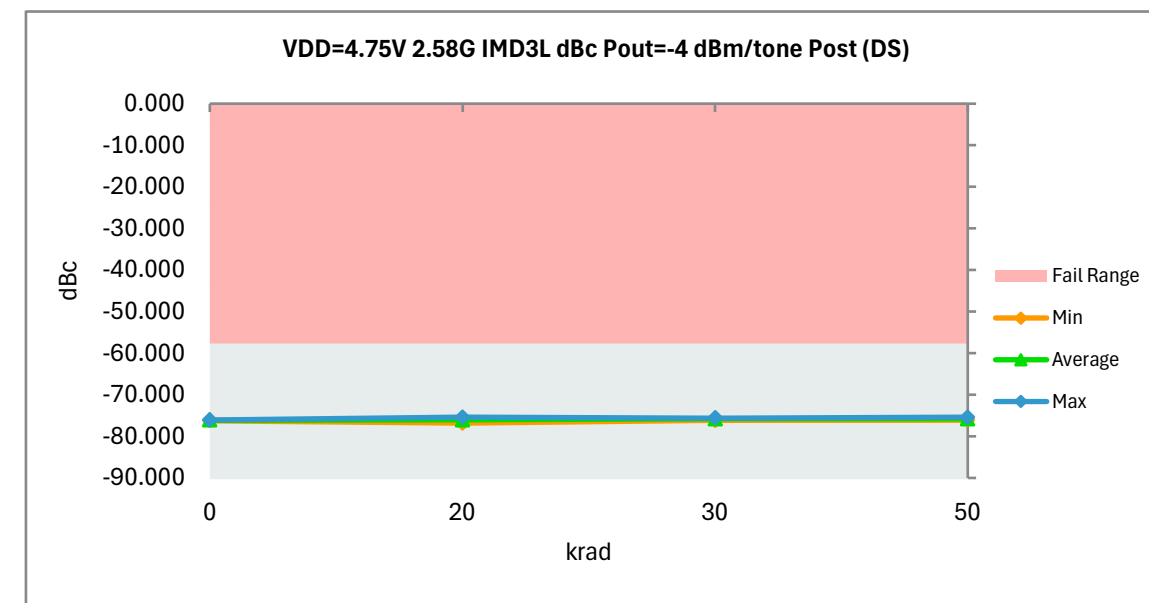


TID HDR Report  
TRF0108-SEP

VDD=4.75V 2.58G IMD3L dBc Pout=-4 dBm/tone Post (DS)						
Unit		dBc	dBc			
Max Limit		-57.69	-57.69			
Min Limit						
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	-76.544	-76.215	-0.330	0.43%	0.57%
0	C2	-76.423	-76.067	-0.355	0.46%	0.62%
20	1	-77.020	-76.025	-0.994	1.29%	1.72%
20	2	-75.624	-75.409	-0.215	0.28%	0.37%
20	3	-76.693	-76.060	-0.633	0.83%	1.10%
20	4	-76.320	-75.855	-0.466	0.61%	0.81%
20	5	-76.423	-75.458	-0.965	1.26%	1.67%
20	6U	-76.220	-76.125	-0.095	0.12%	0.16%
20	7U	-76.775	-76.816	0.041	-0.05%	0.07%
20	8U	-76.829	-76.425	-0.403	0.52%	0.70%
20	9U	-76.703	-76.155	-0.547	0.71%	0.95%
20	10U	-76.544	-76.334	-0.210	0.27%	0.36%
30	11	-76.302	-75.592	-0.709	0.93%	1.23%
30	12	-76.536	-75.576	-0.960	1.25%	1.66%
30	13	-76.613	-75.948	-0.665	0.87%	1.15%
30	14	-76.320	-75.583	-0.737	0.97%	1.28%
30	15	-75.864	-75.649	-0.214	0.28%	0.37%
30	16U	-76.552	-75.780	-0.772	1.01%	1.34%
30	17U	-76.098	-75.868	-0.230	0.30%	0.40%
30	18U	-76.554	-76.163	-0.391	0.51%	0.68%
30	19U	-76.285	-75.988	-0.298	0.39%	0.52%
30	20U	-76.639	-75.820	-0.819	1.07%	1.42%
50	21	-76.278	-75.641	-0.638	0.84%	1.11%
50	22	-76.083	-75.504	-0.579	0.76%	1.00%
50	23	-76.568	-75.625	-0.943	1.23%	1.63%
50	24	-76.694	-75.909	-0.785	1.02%	1.36%
50	25	-76.229	-75.641	-0.588	0.77%	1.02%
50	26U	-76.092	-76.001	-0.091	0.12%	0.16%
50	27U	-76.013	-75.383	-0.631	0.83%	1.09%
50	28U	-76.363	-75.859	-0.504	0.66%	0.87%
50	29U	-77.074	-76.115	-0.959	1.24%	1.66%
50	30U	-76.263	-75.973	-0.290	0.38%	0.50%
	Max	-75.624	-75.383	0.041	1.29%	1.72%
	Average	-76.423	-75.893	-0.530	0.69%	0.92%
	Min	-77.074	-76.816	-0.994	-0.05%	0.07%
	Std Dev	0.316	0.321	0.290	0.38%	0.49%

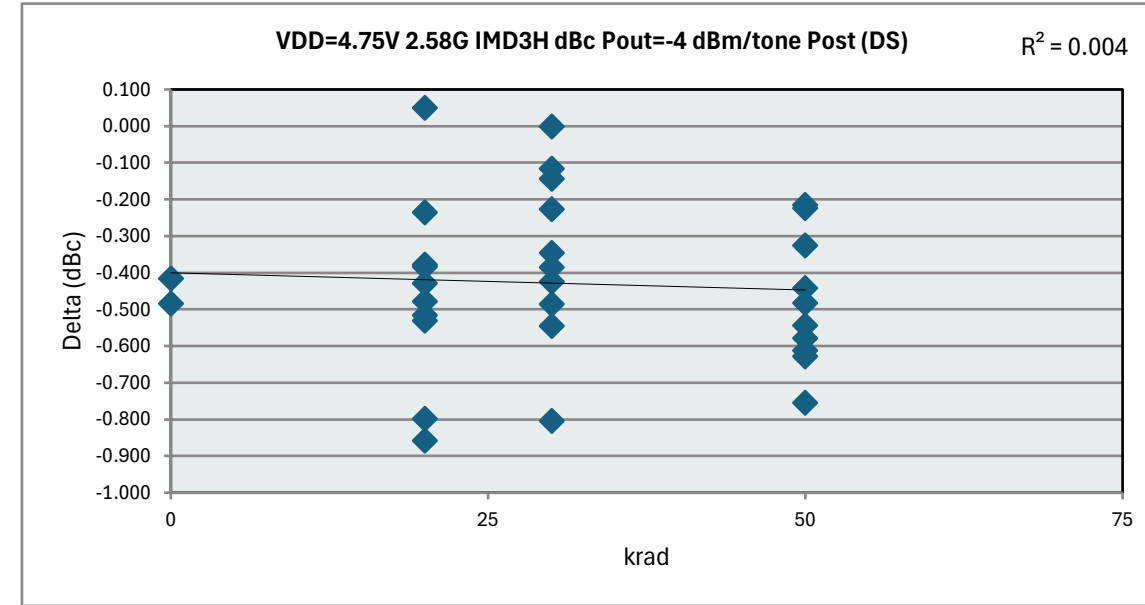


VDD=4.75V 2.58G IMD3L dBc Pout=-4 dBm/tone Post (DS)				
Max Limit	-57.69	dBc		
Min Limit		dBc		
krad	0	20	30	50
LL				
Min	-76.215	-76.816	-76.163	-76.115
Average	-76.141	-76.066	-75.797	-75.765
Max	-76.067	-75.409	-75.576	-75.383
UL	-57.690	-57.690	-57.690	-57.690

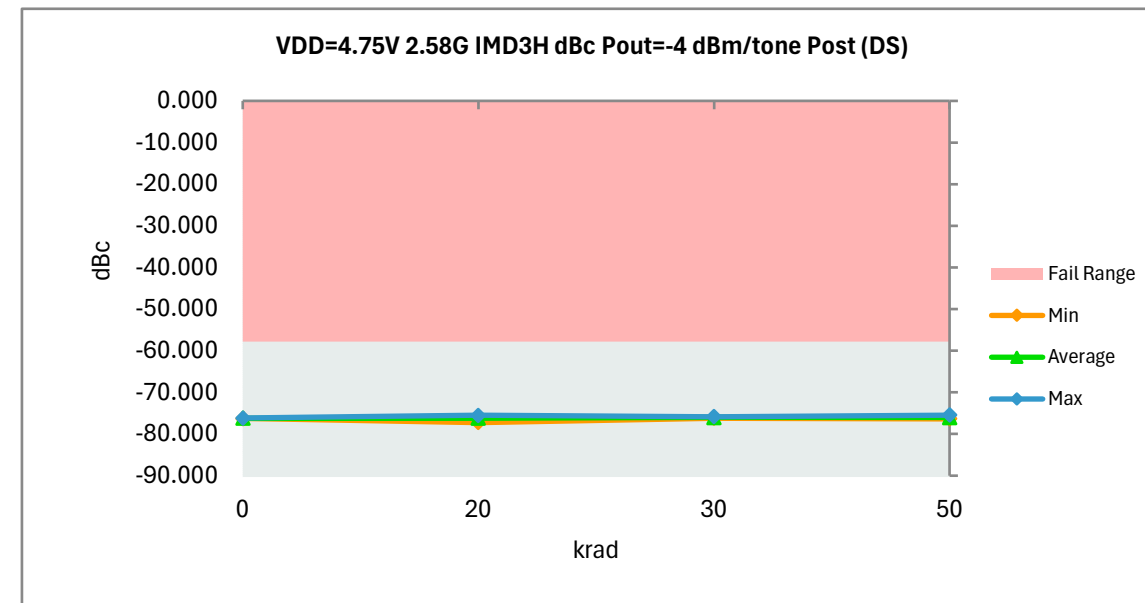


TID HDR Report  
TRF0108-SEP

VDD=4.75V 2.58G IMD3H dBc Pout=-4 dBm/tone Post (DS)						
Unit		dBc	dBc			
Max Limit		-57.75	-57.75			
Min Limit						
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	-76.692	-76.275	-0.416	0.54%	0.72%
0	C2	-76.626	-76.142	-0.484	0.63%	0.84%
20	1	-77.047	-76.188	-0.859	1.11%	1.49%
20	2	-75.990	-75.512	-0.478	0.63%	0.83%
20	3	-76.865	-76.067	-0.798	1.04%	1.38%
20	4	-76.434	-75.904	-0.530	0.69%	0.92%
20	5	-76.081	-75.697	-0.383	0.50%	0.66%
20	6U	-76.663	-76.234	-0.430	0.56%	0.74%
20	7U	-77.212	-77.261	0.049	-0.06%	0.09%
20	8U	-76.957	-76.578	-0.378	0.49%	0.66%
20	9U	-76.677	-76.441	-0.235	0.31%	0.41%
20	10U	-76.721	-76.205	-0.516	0.67%	0.89%
30	11	-76.555	-76.009	-0.546	0.71%	0.95%
30	12	-76.098	-75.872	-0.226	0.30%	0.39%
30	13	-76.528	-76.104	-0.424	0.55%	0.73%
30	14	-76.424	-76.038	-0.386	0.50%	0.67%
30	15	-76.301	-75.816	-0.485	0.64%	0.84%
30	16U	-76.234	-76.118	-0.116	0.15%	0.20%
30	17U	-75.971	-75.971	0.000	0.00%	0.00%
30	18U	-76.561	-76.215	-0.346	0.45%	0.60%
30	19U	-76.326	-76.182	-0.144	0.19%	0.25%
30	20U	-76.895	-76.091	-0.803	1.04%	1.39%
50	21	-76.524	-76.083	-0.441	0.58%	0.76%
50	22	-76.413	-76.088	-0.325	0.43%	0.56%
50	23	-76.452	-75.840	-0.612	0.80%	1.06%
50	24	-76.821	-76.066	-0.755	0.98%	1.31%
50	25	-76.287	-76.064	-0.224	0.29%	0.39%
50	26U	-76.459	-75.881	-0.579	0.76%	1.00%
50	27U	-76.097	-75.469	-0.628	0.83%	1.09%
50	28U	-76.662	-76.118	-0.544	0.71%	0.94%
50	29U	-76.830	-76.348	-0.483	0.63%	0.84%
50	30U	-76.451	-76.236	-0.216	0.28%	0.37%
	Max	-75.971	-75.469	0.049	1.11%	1.49%
	Average	-76.527	-76.097	-0.429	0.56%	0.75%
	Min	-77.212	-77.261	-0.859	-0.06%	0.00%
	Std Dev	0.308	0.316	0.220	0.29%	0.37%

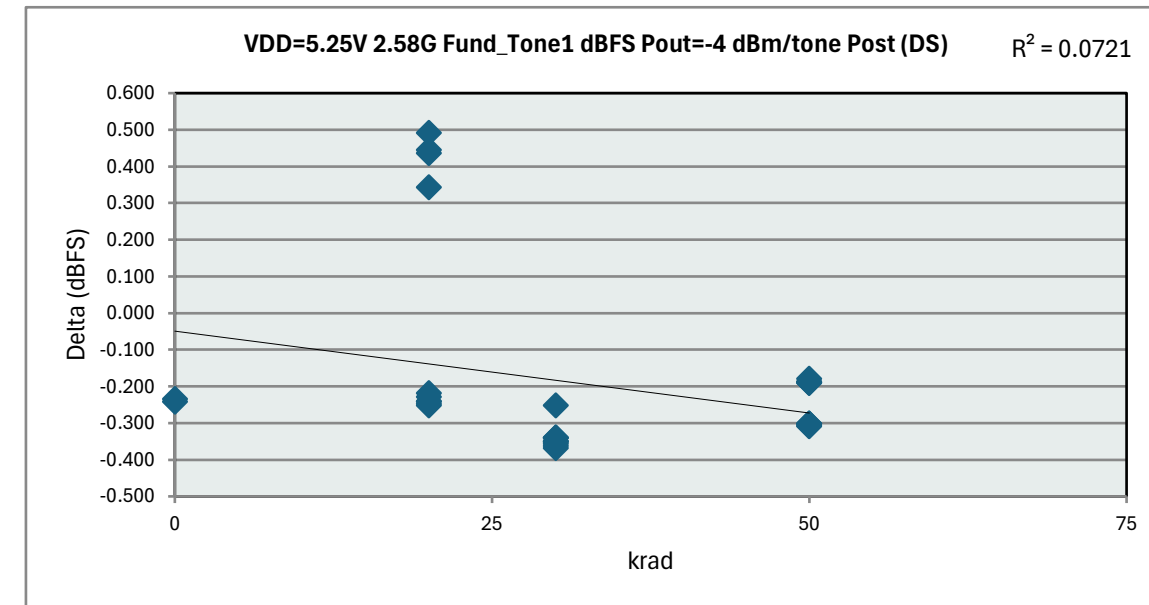


VDD=4.75V 2.58G IMD3H dBc Pout=-4 dBm/tone Post (DS)				
Max Limit	-57.75	dBc		
Min Limit		dBc		
krad	0	20	30	50
LL				
Min	-76.275	-77.261	-76.215	-76.348
Average	-76.209	-76.209	-76.042	-76.019
Max	-76.142	-75.512	-75.816	-75.469
UL	-57.750	-57.750	-57.750	-57.750

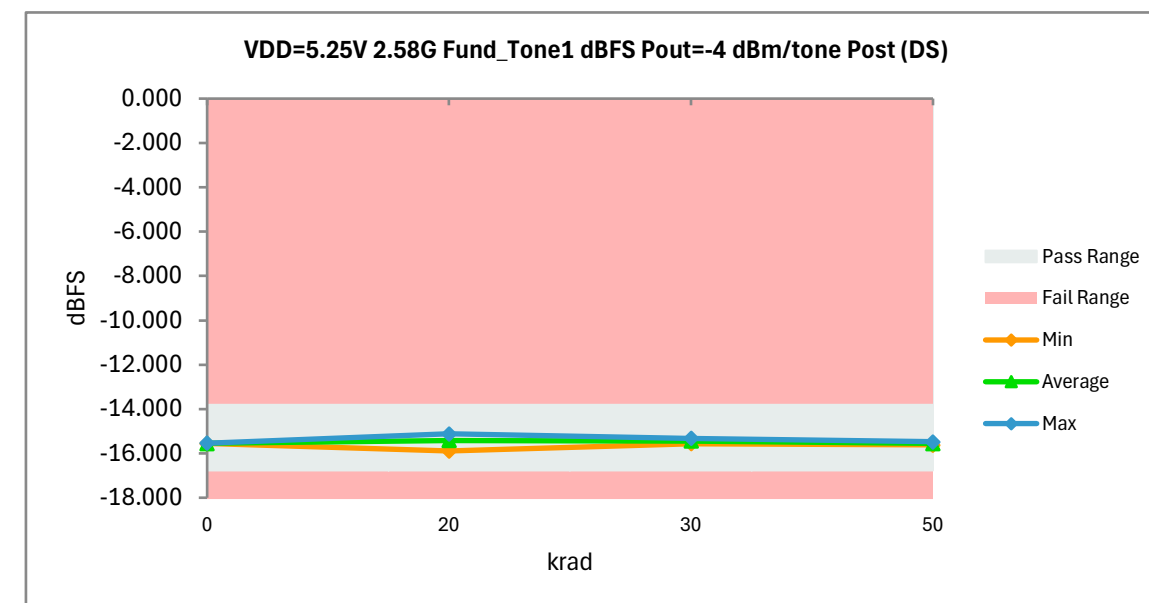


TID HDR Report  
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VDD=5.25V 2.58G Fund_Tone1 dBFS Pout=-4 dBm/tone Post (DS)						
Unit		dBFS	dBFS			
Max Limit		-13.76	-13.76			
Min Limit		-16.76	-16.76			
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	-15.784	-15.543	-0.242	1.53%	8.06%
0	C2	-15.787	-15.553	-0.234	1.48%	7.79%
20	1	-15.399	-15.891	0.492	-3.19%	16.39%
20	2	-15.379	-15.824	0.445	-2.89%	14.84%
20	3	-15.372	-15.809	0.437	-2.85%	14.58%
20	4	-15.367	-15.116	-0.251	1.63%	8.37%
20	5	-15.358	-15.702	0.344	-2.24%	11.48%
20	6U	-15.396	-15.156	-0.240	1.56%	8.00%
20	7U	-15.457	-15.215	-0.242	1.56%	8.06%
20	8U	-15.412	-15.184	-0.228	1.48%	7.60%
20	9U	-15.396	-15.148	-0.247	1.61%	8.25%
20	10U	-15.382	-15.165	-0.218	1.42%	7.26%
30	11	-15.813	-15.562	-0.251	1.59%	8.37%
30	12	-15.682	-15.320	-0.362	2.31%	12.06%
30	13	-15.823	-15.473	-0.350	2.21%	11.65%
30	14	-15.817	-15.466	-0.351	2.22%	11.71%
30	15	-15.794	-15.454	-0.341	2.16%	11.35%
30	16U	-15.737	-15.381	-0.357	2.27%	11.88%
30	17U	-15.727	-15.377	-0.349	2.22%	11.64%
30	18U	-15.799	-15.431	-0.368	2.33%	12.26%
30	19U	-15.802	-15.463	-0.339	2.14%	11.30%
30	20U	-15.843	-15.503	-0.340	2.15%	11.35%
50	21	-15.842	-15.540	-0.301	1.90%	10.04%
50	22	-15.817	-15.516	-0.301	1.90%	10.02%
50	23	-15.798	-15.612	-0.185	1.17%	6.18%
50	24	-15.797	-15.618	-0.179	1.13%	5.96%
50	25	-15.794	-15.605	-0.189	1.20%	6.30%
50	26U	-15.829	-15.521	-0.308	1.95%	10.28%
50	27U	-15.737	-15.546	-0.190	1.21%	6.34%
50	28U	-15.774	-15.472	-0.302	1.92%	10.07%
50	29U	-15.739	-15.550	-0.189	1.20%	6.31%
50	30U	-15.811	-15.503	-0.307	1.94%	10.24%
	Max	-15.358	-15.116	0.492	2.33%	16.39%
	Average	-15.664	-15.476	-0.189	1.19%	9.87%
	Min	-15.843	-15.891	-0.368	-3.19%	5.96%
	Std Dev	0.190	0.195	0.245	1.58%	2.68%

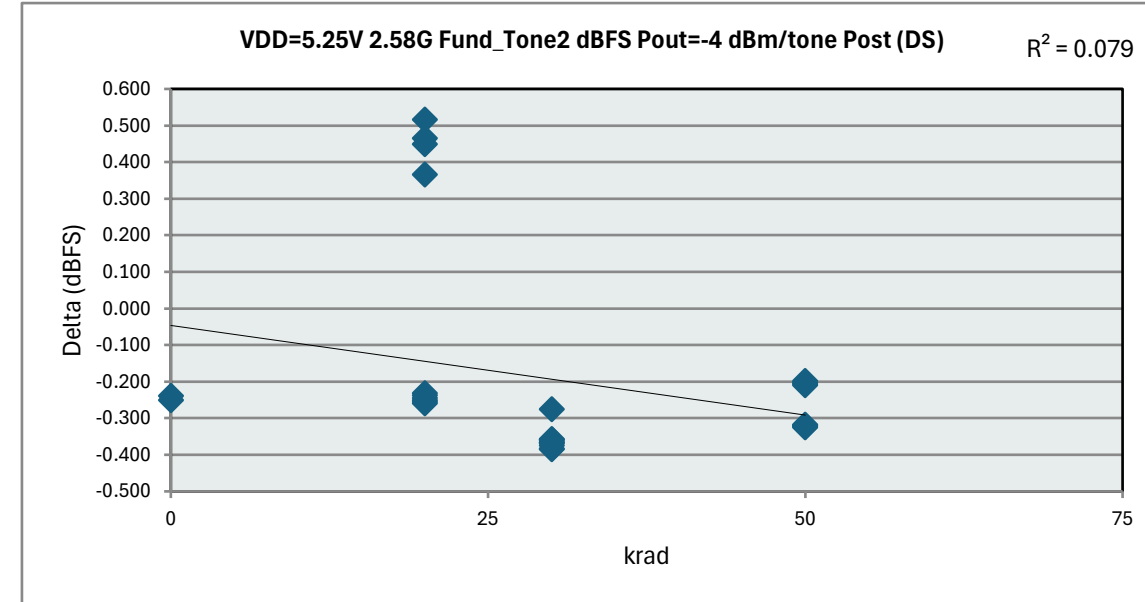


VDD=5.25V 2.58G Fund_Tone1 dBFS Pout=-4 dBm/tone Post (DS)				
Max Limit	-13.76	dBFS		
Min Limit	-16.76	dBFS		
krad	0	20	30	50
LL	-16.760	-16.760	-16.760	-16.760
Min	-15.553	-15.891	-15.562	-15.618
Average	-15.548	-15.421	-15.443	-15.548
Max	-15.543	-15.116	-15.320	-15.472
UL	-13.760	-13.760	-13.760	-13.760

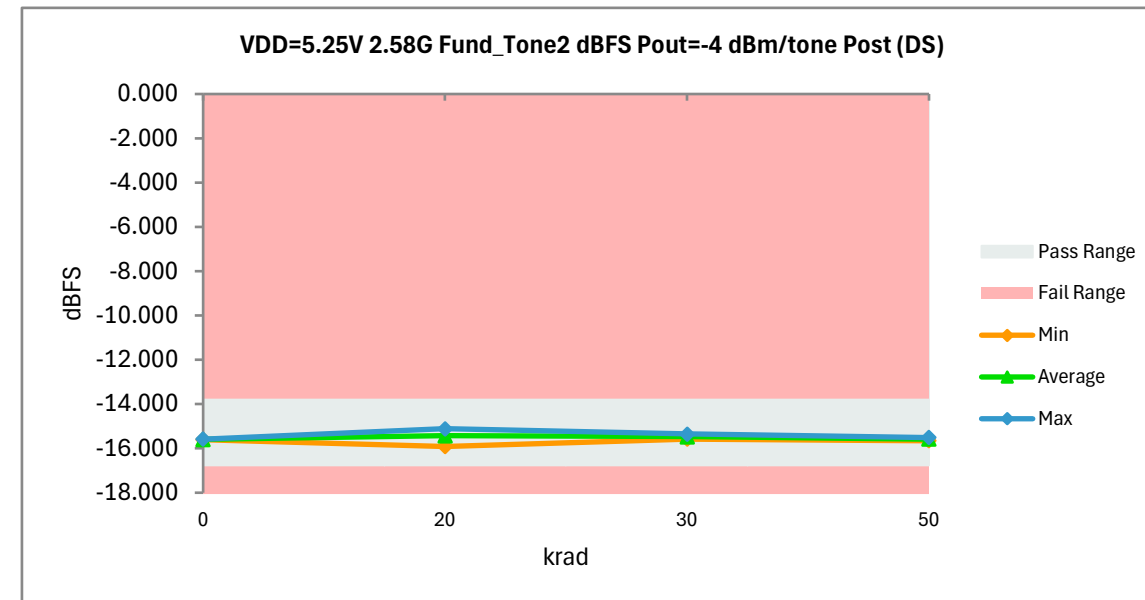


TID HDR Report  
TRF0108-SEP

VDD=5.25V 2.58G Fund_Tone2 dBFS Pout=-4 dBm/tone Post (DS)						
Unit		dBFS	dBFS			
Max Limit		-13.76	-13.76			
Min Limit		-16.76	-16.76			
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	-15.833	-15.583	-0.250	1.58%	8.34%
0	C2	-15.836	-15.596	-0.239	1.51%	7.97%
20	1	-15.397	-15.913	0.517	-3.36%	17.22%
20	2	-15.376	-15.842	0.465	-3.03%	15.51%
20	3	-15.375	-15.825	0.450	-2.93%	14.99%
20	4	-15.367	-15.108	-0.259	1.69%	8.65%
20	5	-15.356	-15.723	0.366	-2.39%	12.21%
20	6U	-15.392	-15.147	-0.245	1.59%	8.16%
20	7U	-15.457	-15.207	-0.250	1.62%	8.33%
20	8U	-15.412	-15.175	-0.237	1.54%	7.89%
20	9U	-15.394	-15.138	-0.255	1.66%	8.51%
20	10U	-15.382	-15.151	-0.231	1.50%	7.71%
30	11	-15.856	-15.581	-0.275	1.73%	9.17%
30	12	-15.728	-15.344	-0.384	2.44%	12.80%
30	13	-15.870	-15.504	-0.366	2.31%	12.21%
30	14	-15.863	-15.498	-0.366	2.30%	12.19%
30	15	-15.842	-15.482	-0.359	2.27%	11.98%
30	16U	-15.786	-15.412	-0.374	2.37%	12.48%
30	17U	-15.779	-15.411	-0.368	2.33%	12.27%
30	18U	-15.847	-15.464	-0.383	2.42%	12.77%
30	19U	-15.848	-15.491	-0.357	2.25%	11.88%
30	20U	-15.891	-15.534	-0.358	2.25%	11.93%
50	21	-15.889	-15.571	-0.318	2.00%	10.60%
50	22	-15.866	-15.546	-0.321	2.02%	10.69%
50	23	-15.846	-15.644	-0.202	1.28%	6.74%
50	24	-15.848	-15.650	-0.198	1.25%	6.61%
50	25	-15.847	-15.637	-0.210	1.32%	6.99%
50	26U	-15.876	-15.553	-0.323	2.03%	10.76%
50	27U	-15.784	-15.578	-0.206	1.31%	6.88%
50	28U	-15.825	-15.500	-0.325	2.05%	10.84%
50	29U	-15.788	-15.584	-0.204	1.29%	6.81%
50	30U	-15.858	-15.539	-0.319	2.01%	10.64%
	Max	-15.356	-15.108	0.517	2.44%	17.22%
	Average	-15.697	-15.498	-0.200	1.26%	10.40%
	Min	-15.891	-15.913	-0.384	-3.36%	6.61%
	Std Dev	0.213	0.206	0.257	1.65%	2.76%

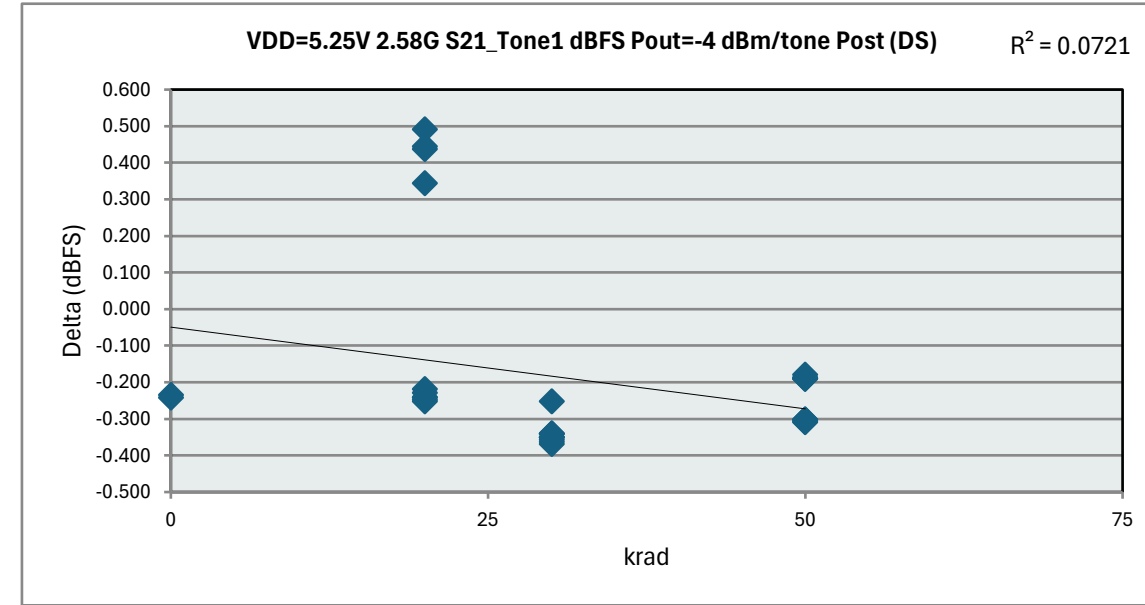


VDD=5.25V 2.58G Fund_Tone2 dBFS Pout=-4 dBm/tone Post (DS)				
Max Limit	-13.76	dBFS		
Min Limit	-16.76	dBFS		
krad	0	20	30	50
LL	-16.760	-16.760	-16.760	-16.760
Min	-15.596	-15.913	-15.581	-15.650
Average	-15.590	-15.423	-15.472	-15.580
Max	-15.583	-15.108	-15.344	-15.500
UL	-13.760	-13.760	-13.760	-13.760

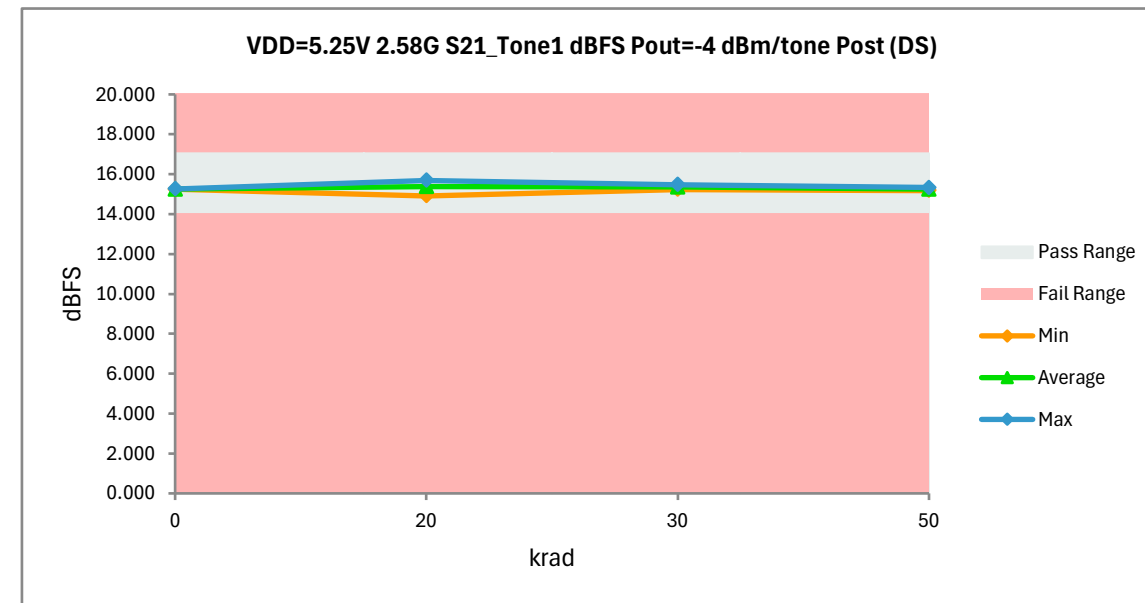


TID HDR Report  
TRF0108-SEP

VDD=5.25V 2.58G S21_Tone1 dBFS Pout=-4 dBm/tone Post (DS)						
Unit		dBFS	dBFS			
Max Limit		17.05	17.05			
Min Limit		14.05	14.05			
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	15.016	15.257	-0.242	-1.61%	8.06%
0	C2	15.013	15.247	-0.234	-1.56%	7.79%
20	1	15.401	14.909	0.492	3.19%	16.39%
20	2	15.421	14.976	0.445	2.89%	14.84%
20	3	15.428	14.991	0.437	2.83%	14.58%
20	4	15.433	15.684	-0.251	-1.63%	8.37%
20	5	15.442	15.098	0.344	2.23%	11.48%
20	6U	15.404	15.644	-0.240	-1.56%	8.00%
20	7U	15.343	15.585	-0.242	-1.58%	8.06%
20	8U	15.388	15.616	-0.228	-1.48%	7.60%
20	9U	15.404	15.652	-0.247	-1.61%	8.25%
20	10U	15.418	15.635	-0.218	-1.41%	7.26%
30	11	14.987	15.238	-0.251	-1.67%	8.37%
30	12	15.118	15.480	-0.362	-2.39%	12.06%
30	13	14.977	15.327	-0.350	-2.33%	11.65%
30	14	14.983	15.334	-0.351	-2.34%	11.71%
30	15	15.006	15.346	-0.341	-2.27%	11.35%
30	16U	15.063	15.419	-0.357	-2.37%	11.88%
30	17U	15.073	15.423	-0.349	-2.32%	11.64%
30	18U	15.001	15.369	-0.368	-2.45%	12.26%
30	19U	14.998	15.337	-0.339	-2.26%	11.30%
30	20U	14.957	15.297	-0.340	-2.28%	11.35%
50	21	14.958	15.260	-0.301	-2.01%	10.04%
50	22	14.983	15.284	-0.301	-2.01%	10.02%
50	23	15.002	15.188	-0.185	-1.24%	6.18%
50	24	15.003	15.182	-0.179	-1.19%	5.96%
50	25	15.006	15.195	-0.189	-1.26%	6.30%
50	26U	14.971	15.279	-0.308	-2.06%	10.28%
50	27U	15.063	15.254	-0.190	-1.26%	6.34%
50	28U	15.026	15.328	-0.302	-2.01%	10.07%
50	29U	15.061	15.250	-0.189	-1.26%	6.31%
50	30U	14.989	15.297	-0.307	-2.05%	10.24%
	Max	15.442	15.684	0.492	3.19%	16.39%
	Average	15.136	15.324	-0.189	-1.26%	9.87%
	Min	14.957	14.909	-0.368	-2.45%	5.96%
	Std Dev	0.190	0.195	0.245	1.61%	2.68%

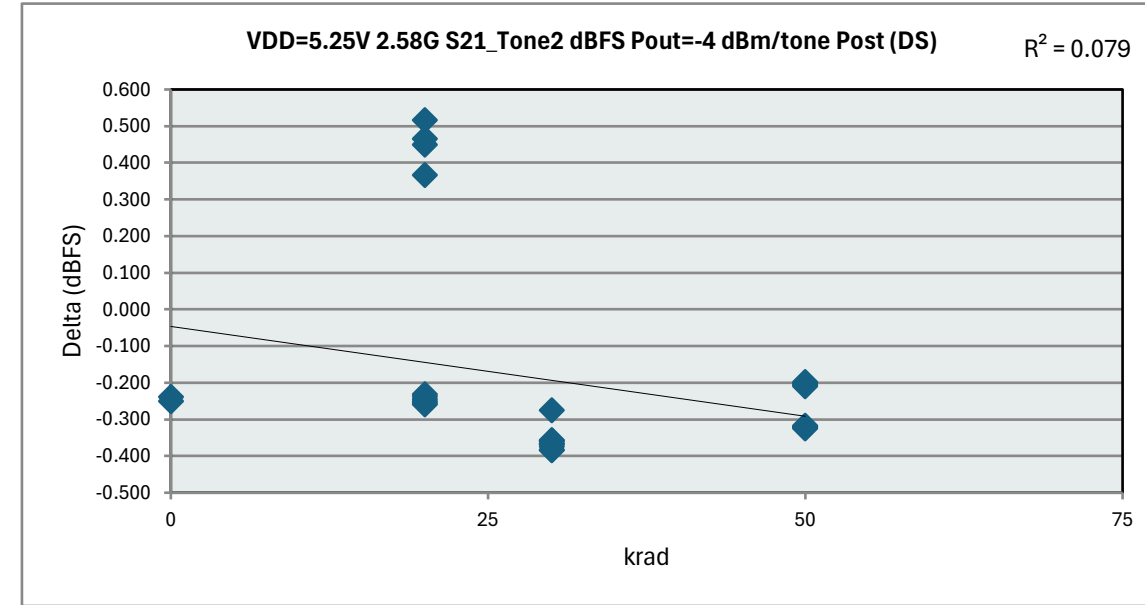


VDD=5.25V 2.58G S21_Tone1 dBFS Pout=-4 dBm/tone Post (DS)				
Max Limit	17.05	dBFS		
Min Limit	14.05	dBFS		
krad	0	20	30	50
LL	14.050	14.050	14.050	14.050
Min	15.247	14.909	15.238	15.182
Average	15.252	15.379	15.357	15.252
Max	15.257	15.684	15.480	15.328
UL	17.050	17.050	17.050	17.050

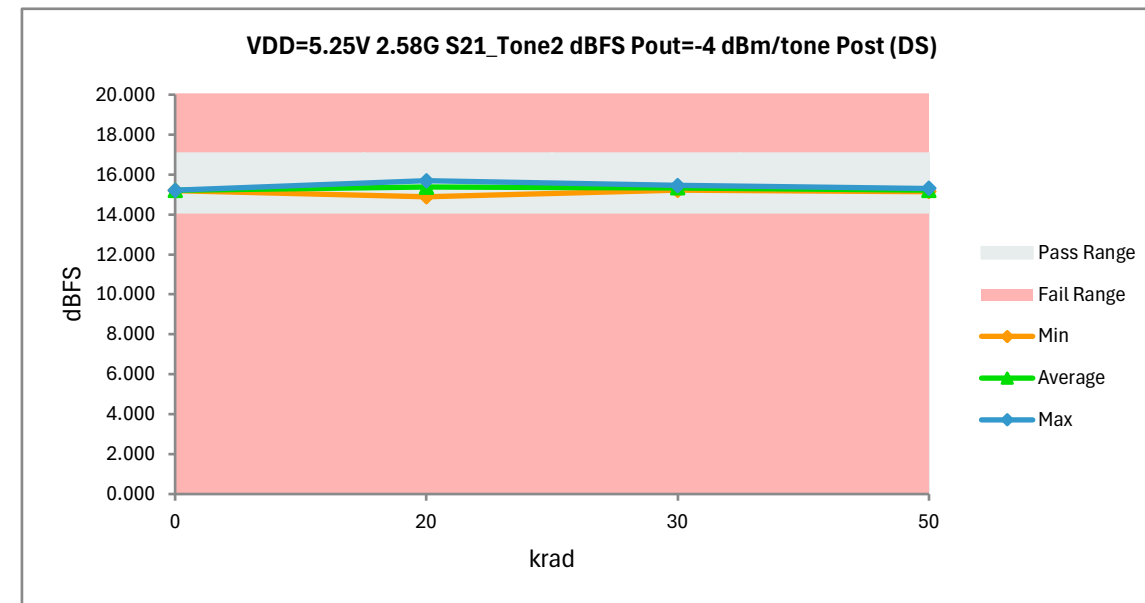


TID HDR Report  
TRF0108-SEP

VDD=5.25V 2.58G S21_Tone2 dBFS Pout=-4 dBm/tone Post (DS)						
Unit		dBFS	dBFS			
Max Limit		17.05	17.05			
Min Limit		14.05	14.05			
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	14.967	15.217	-0.250	-1.67%	8.34%
0	C2	14.964	15.204	-0.239	-1.60%	7.97%
20	1	15.403	14.887	0.517	3.35%	17.22%
20	2	15.424	14.958	0.465	3.02%	15.51%
20	3	15.425	14.975	0.450	2.92%	14.99%
20	4	15.433	15.692	-0.259	-1.68%	8.65%
20	5	15.444	15.077	0.366	2.37%	12.21%
20	6U	15.408	15.653	-0.245	-1.59%	8.16%
20	7U	15.343	15.593	-0.250	-1.63%	8.33%
20	8U	15.388	15.625	-0.237	-1.54%	7.89%
20	9U	15.406	15.662	-0.255	-1.66%	8.51%
20	10U	15.418	15.649	-0.231	-1.50%	7.71%
30	11	14.944	15.219	-0.275	-1.84%	9.17%
30	12	15.072	15.456	-0.384	-2.55%	12.80%
30	13	14.930	15.296	-0.366	-2.45%	12.21%
30	14	14.937	15.302	-0.366	-2.45%	12.19%
30	15	14.958	15.318	-0.359	-2.40%	11.98%
30	16U	15.014	15.388	-0.374	-2.49%	12.48%
30	17U	15.021	15.389	-0.368	-2.45%	12.27%
30	18U	14.953	15.336	-0.383	-2.56%	12.77%
30	19U	14.952	15.309	-0.357	-2.38%	11.88%
30	20U	14.909	15.266	-0.358	-2.40%	11.93%
50	21	14.911	15.229	-0.318	-2.13%	10.60%
50	22	14.934	15.254	-0.321	-2.15%	10.69%
50	23	14.954	15.156	-0.202	-1.35%	6.74%
50	24	14.952	15.150	-0.198	-1.33%	6.61%
50	25	14.953	15.163	-0.210	-1.40%	6.99%
50	26U	14.924	15.247	-0.323	-2.16%	10.76%
50	27U	15.016	15.222	-0.206	-1.37%	6.88%
50	28U	14.975	15.300	-0.325	-2.17%	10.84%
50	29U	15.012	15.216	-0.204	-1.36%	6.81%
50	30U	14.942	15.261	-0.319	-2.14%	10.64%
	Max	15.444	15.692	0.517	3.35%	17.22%
	Average	15.103	15.302	-0.200	-1.34%	10.40%
	Min	14.909	14.887	-0.384	-2.56%	6.61%
	Std Dev	0.213	0.206	0.257	1.69%	2.76%

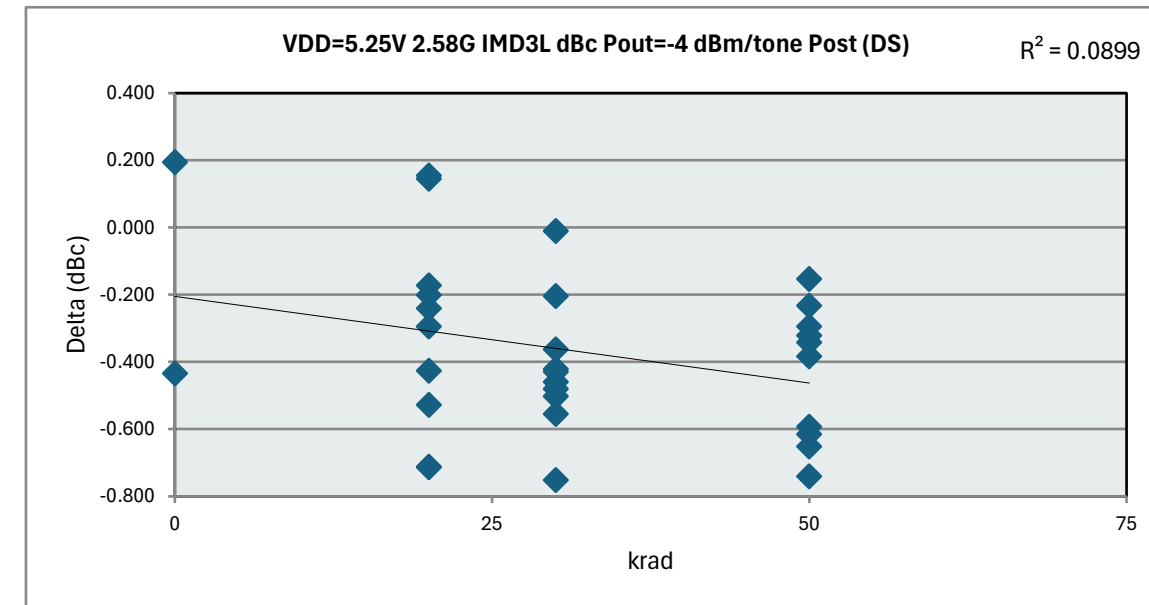


VDD=5.25V 2.58G S21_Tone2 dBFS Pout=-4 dBm/tone Post (DS)				
Max Limit	17.05	dBFS		
Min Limit	14.05	dBFS		
krad	0	20	30	50
LL	14.050	14.050	14.050	14.050
Min	15.204	14.887	15.219	15.150
Average	15.210	15.377	15.328	15.220
Max	15.217	15.692	15.456	15.300
UL	17.050	17.050	17.050	17.050

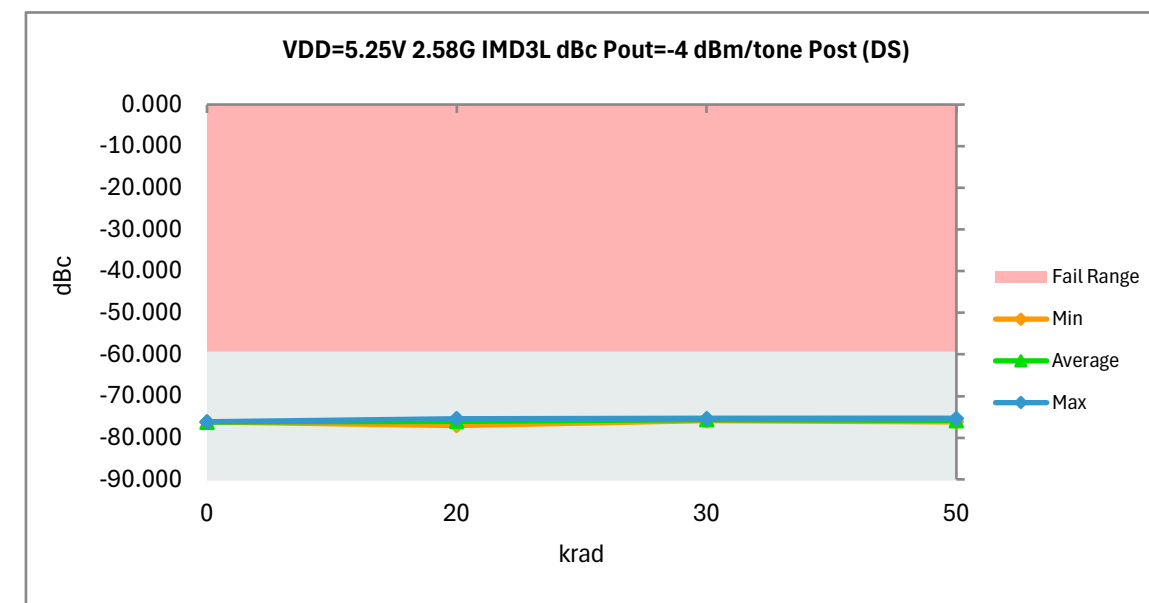


TID HDR Report  
TRF0108-SEP

VDD=5.25V 2.58G IMD3L dBc Pout=-4 dBm/tone Post (DS)						
Unit		dBc	dBc			
Max Limit		-59.3	-59.3			
Min Limit						
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	-76.692	-76.258	-0.434	0.57%	0.73%
0	C2	-75.971	-76.165	0.194	-0.26%	0.33%
20	1	-76.611	-75.900	-0.711	0.93%	1.20%
20	2	-75.701	-75.407	-0.294	0.39%	0.50%
20	3	-76.538	-76.113	-0.425	0.56%	0.72%
20	4	-76.311	-75.784	-0.527	0.69%	0.89%
20	5	-76.100	-75.388	-0.712	0.94%	1.20%
20	6U	-76.191	-76.019	-0.172	0.23%	0.29%
20	7U	-76.928	-77.083	0.156	-0.20%	0.26%
20	8U	-76.538	-76.337	-0.201	0.26%	0.34%
20	9U	-76.490	-76.250	-0.240	0.31%	0.40%
20	10U	-76.114	-76.259	0.145	-0.19%	0.25%
30	11	-76.193	-75.442	-0.751	0.99%	1.27%
30	12	-75.876	-75.321	-0.555	0.73%	0.94%
30	13	-76.299	-75.871	-0.428	0.56%	0.72%
30	14	-75.715	-75.705	-0.011	0.01%	0.02%
30	15	-75.772	-75.568	-0.204	0.27%	0.34%
30	16U	-76.142	-75.721	-0.420	0.55%	0.71%
30	17U	-75.956	-75.498	-0.458	0.60%	0.77%
30	18U	-76.375	-75.873	-0.502	0.66%	0.85%
30	19U	-76.264	-75.901	-0.363	0.48%	0.61%
30	20U	-76.144	-75.665	-0.479	0.63%	0.81%
50	21	-76.088	-75.768	-0.320	0.42%	0.54%
50	22	-76.167	-75.825	-0.342	0.45%	0.58%
50	23	-76.586	-75.846	-0.740	0.97%	1.25%
50	24	-76.578	-75.927	-0.650	0.85%	1.10%
50	25	-76.422	-75.807	-0.615	0.80%	1.04%
50	26U	-76.006	-75.773	-0.232	0.31%	0.39%
50	27U	-75.928	-75.335	-0.593	0.78%	1.00%
50	28U	-76.451	-76.067	-0.384	0.50%	0.65%
50	29U	-76.307	-76.155	-0.152	0.20%	0.26%
50	30U	-76.090	-75.796	-0.294	0.39%	0.50%
	Max	-75.701	-75.321	0.194	0.99%	1.27%
	Average	-76.236	-75.870	-0.366	0.48%	0.67%
	Min	-76.928	-77.083	-0.751	-0.26%	0.02%
	Std Dev	0.297	0.360	0.254	0.33%	0.34%



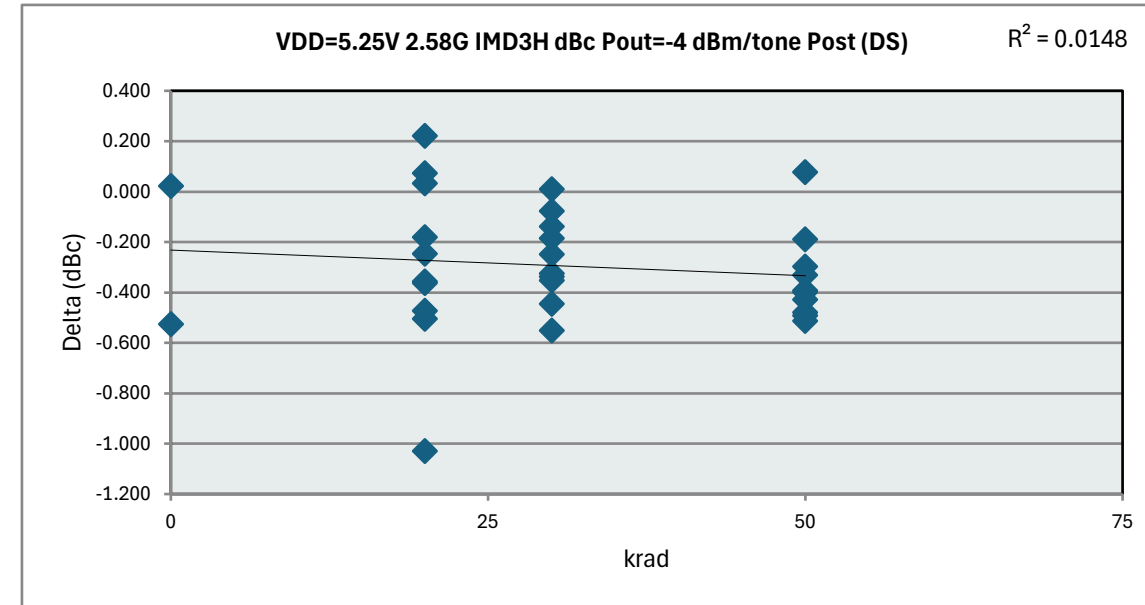
VDD=5.25V 2.58G IMD3L dBc Pout=-4 dBm/tone Post (DS)				
Max Limit	-59.3	dBc		
Min Limit		dBc		
krad	0	20	30	50
LL				
Min	-76.258	-77.083	-75.901	-76.155
Average	-76.212	-76.054	-75.657	-75.830
Max	-76.165	-75.388	-75.321	-75.335
UL	-59.300	-59.300	-59.300	-59.300



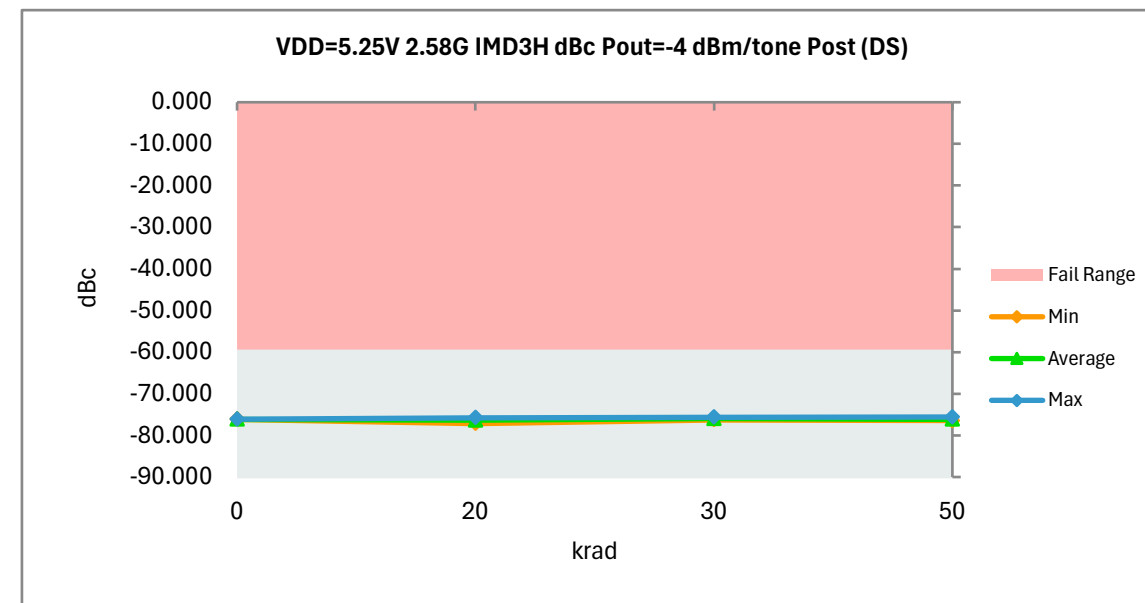


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VDD=5.25V 2.58G IMD3H dBc Pout=-4 dBm/tone Post (DS)						
Unit		dBc	dBc			
Max Limit		-59.4	-59.4			
Min Limit						
krad	Serial #	Pre HDR	Post HDR	Delta	Delta %	% of Limit Range
0	C1	-76.642	-76.115	-0.526	0.69%	0.89%
0	C2	-76.155	-76.175	0.020	-0.03%	0.03%
20	1	-76.690	-76.217	-0.473	0.62%	0.80%
20	2	-76.091	-75.734	-0.358	0.47%	0.60%
20	3	-76.727	-76.222	-0.505	0.66%	0.85%
20	4	-76.617	-76.253	-0.364	0.48%	0.61%
20	5	-76.883	-75.853	-1.030	1.34%	1.73%
20	6U	-76.202	-76.233	0.031	-0.04%	0.05%
20	7U	-77.365	-77.183	-0.182	0.23%	0.31%
20	8U	-76.734	-76.806	0.072	-0.09%	0.12%
20	9U	-76.559	-76.779	0.220	-0.29%	0.37%
20	10U	-76.510	-76.262	-0.248	0.32%	0.42%
30	11	-76.279	-75.940	-0.339	0.44%	0.57%
30	12	-76.062	-75.709	-0.352	0.46%	0.59%
30	13	-76.399	-76.260	-0.139	0.18%	0.23%
30	14	-76.100	-76.021	-0.079	0.10%	0.13%
30	15	-75.877	-75.626	-0.250	0.33%	0.42%
30	16U	-76.322	-75.770	-0.551	0.72%	0.93%
30	17U	-75.765	-75.774	0.009	-0.01%	0.01%
30	18U	-76.562	-76.236	-0.326	0.43%	0.55%
30	19U	-76.325	-76.139	-0.186	0.24%	0.31%
30	20U	-76.518	-76.073	-0.446	0.58%	0.75%
50	21	-76.529	-76.099	-0.430	0.56%	0.72%
50	22	-76.783	-76.451	-0.332	0.43%	0.56%
50	23	-76.608	-76.093	-0.514	0.67%	0.87%
50	24	-76.605	-76.204	-0.401	0.52%	0.67%
50	25	-76.485	-76.186	-0.299	0.39%	0.50%
50	26U	-76.392	-75.899	-0.493	0.65%	0.83%
50	27U	-76.066	-75.586	-0.479	0.63%	0.81%
50	28U	-76.385	-76.461	0.076	-0.10%	0.13%
50	29U	-76.749	-76.355	-0.393	0.51%	0.66%
50	30U	-76.365	-76.176	-0.190	0.25%	0.32%
	Max	-75.765	-75.586	0.220	1.34%	1.73%
	Average	-76.448	-76.153	-0.296	0.39%	0.54%
	Min	-77.365	-77.183	-1.030	-0.29%	0.01%
	Std Dev	0.320	0.343	0.246	0.32%	0.35%



VDD=5.25V 2.58G IMD3H dBc Pout=-4 dBm/tone Post (DS)				
Max Limit	-59.4	dBc		
Min Limit		dBc		
krad	0	20	30	50
LL				
Min	-76.175	-77.183	-76.260	-76.461
Average	-76.145	-76.354	-75.955	-76.151
Max	-76.115	-75.734	-75.626	-75.586
UL	-59.400	-59.400	-59.400	-59.400



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