



ABSTRACT

This report covers the radiation characterization results of Texas Instruments AFE7950-SEP. The AFE7950-SEP was studied for total ionizing dose (TID) effects under high dose rate (HDR) up to 150rad(Si)/s as a one-time characterization. The results show that all samples passed within the specified limits up to 30krad(Si).

To verify TID performance in production, radiation lot acceptance testing (RLAT) was performed using five units from every wafer lot up to a dose level of 30krad(Si). Additionally, the AFE7950-SEP is single-event latch-up (SEL) immune up to 43MeV-cm²/mg, which makes it suitable for radiation-hardness-assured space applications in LEO, MEO, and GEO orbits.

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1 Device Information

The AFE7950-SEP is a high performance, wide bandwidth, multi-channel transceiver, integrating four RF-sampling transmitter chains, four RF-sampling receiver chains, and two RF-sampling feedback chains (six RF-sampling ADCs total). With operation up to 10.2GHz, this device enables direct RF sampling in the L, S, C and X-band frequency ranges without the need for additional frequency conversions stages. This improvement in density and flexibility enables high channel count, multi-mission systems.

1.1 Device Details

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

Table 1-1. Device and Exposure Details

TID HDR Details	
TI Device Number	AFE7950-SEP
Package	400-pin FC-BGA
Technology	TSMC C28.HPC+
Die Lot Number	5375920
A/T Lot Number / Lot Trace Code	57CCHDW
Quantity Tested	5 irradiated devices + 5 control
Lot Accept/Reject	Devices passed 30krad(Si)
HDR Radiation Facility	Texas Instruments CLAB, Dallas, TX
HDR Dose Level	30krad(Si)
HDR Dose Rate	150rad(Si)/s
HDR Radiation Source	Gammacell (GR420) Co-60
Irradiation Temperature	Ambient, room temperature

2 TID Test Setup

2.1 Test Methodology

Known-good and tested AFE7950-SEP samples were irradiated at a dose rate of 150rad(Si)/s up to a total dose of 30krad(Si). After exposure, units were retested using the production test solution, ensuring devices still meet datasheet specifications.

2.2 Test Description and Facilities

The AFE7950-SEP HDR exposure was performed on biased devices in a Co-60 gamma cell at TI's CLAB facility in Dallas, TX. The unattenuated dose rate of this cell is 150rad(Si)/s. After exposure, the devices completed a full post-irradiation electrical evaluation using the production test, or ATE, solution. ATE guard banded test limits are set within datasheet electrical specifications to ensure a minimum Cpk and test error margin based on initial qualification and characterization data. Post-irradiation measurements were taken within 30 minutes of irradiation.

2.3 Test Setup Details

During TID exposure, the device is powered up with VDD digital supply voltages set to 0.9V; Tx, Rx, and PLL analog supplies set to 1.2V; and IO supplies set to 1.8V. Typical power dissipation is 10.5W during exposure.

2.3.1 Biasing Conditions

Figure 2-1 shows the bias conditions for each pin during irradiation.

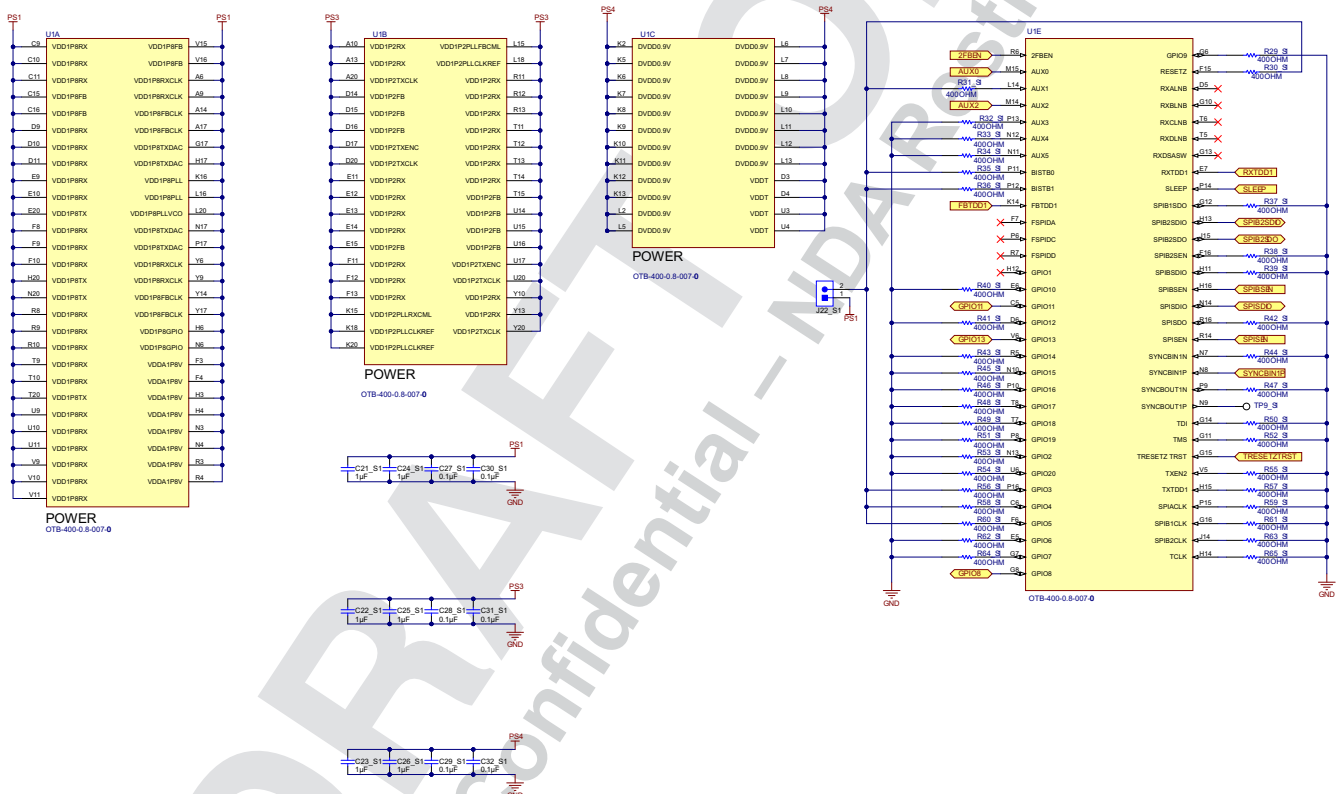


Figure 2-1. AFE7950-SEP Biasing Diagram

2.4 Exposure Details

Five (5) units were characterized at the 150rad(Si)/s dose level with biased voltage conditions.

Table 2-1. Irradiation Information

Dose Rate	150rad(Si)/s
Total Samples	5 samples per dose level; 5 control
Exposure Levels	30krad(Si)
Supply Voltages	DVDD = 0.9V AVDD = 1.2V IOVDD = 1.8V

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3 TID Characterization Test Results

Electrical and parametric test results for all units at every dose level were within datasheet limits.

Unit Number	Dose Level, krad(Si)	Result
1 - 5	N/A (control)	PASS
6 - 10	30	PASS

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A TID Data Plots

This appendix provides the AFE7950-SEP TID HDR report data plots. The plots show the variation for each critical parameter up to 30krad(Si).

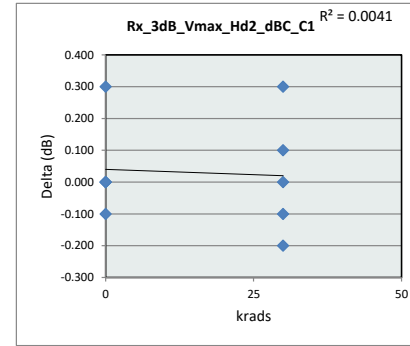
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Delta Threshold 10.00%

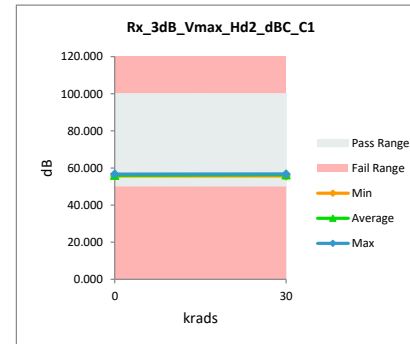
TID Report
AFE7950-SEP

TID Report
AFE7950-SEP

		Rx_3dB_Vmax_Hd2_dBC_C1				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		50	50			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	56.000	56.000	0.000	0.00%	0.00%
0	C2	56.200	55.900	0.300	0.53%	0.60%
0	C3	56.100	56.100	0.000	0.00%	0.00%
0	C4	56.700	56.700	0.000	0.00%	0.00%
0	C5	55.600	55.700	-0.100	-0.18%	0.20%
30	1	56.700	56.800	-0.100	-0.18%	0.20%
30	2	55.800	55.700	0.100	0.18%	0.20%
30	3	56.600	56.300	0.300	0.53%	0.60%
30	4	56.500	56.500	0.000	0.00%	0.00%
30	5	56.400	56.600	-0.200	-0.35%	0.40%
	Max	56.700	56.800	0.300	0.53%	0.60%
	Average	56.260	56.230	0.030	0.05%	0.22%
	Min	55.600	55.700	-0.200	-0.35%	0.00%
	Std Dev	0.384	0.408	0.164	0.29%	0.24%

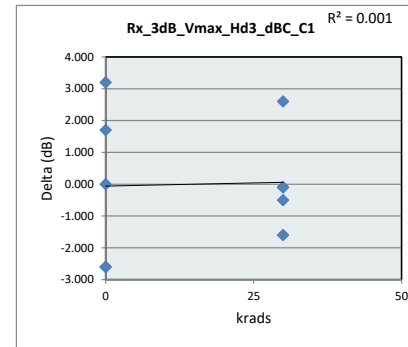


		Rx_3dB_Vmax_Hd2_dBC_C1	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		50	dB
	krads	0	30
LL		50.000	50.000
Min		55.700	55.700
Average		56.080	56.380
Max		56.700	56.800
UL		100.000	100.000

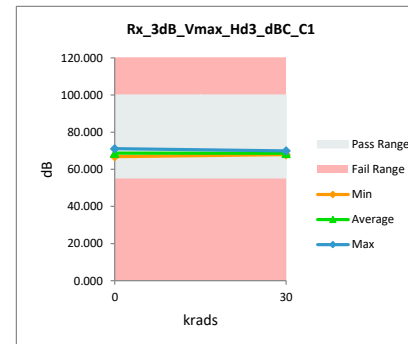


TID Report
AFE7950-SEP

		Rx_3dB_Vmax_Hd3_dBC_C1				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		55	55			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	68.200	70.800	-2.600	-3.81%	5.78%
0	C2	70.700	67.500	3.200	4.53%	7.11%
0	C3	68.500	71.100	-2.600	-3.80%	5.78%
0	C4	68.500	66.800	1.700	2.48%	3.78%
0	C5	67.300	67.300	0.000	0.00%	0.00%
30	1	68.100	68.200	-0.100	-0.15%	0.22%
30	2	68.000	68.500	-0.500	-0.74%	1.11%
30	3	70.500	67.900	2.600	3.69%	5.78%
30	4	68.300	69.900	-1.600	-2.34%	3.56%
30	5	68.500	68.600	-0.100	-0.15%	0.22%
	Max	70.700	71.100	3.200	4.53%	7.11%
	Average	68.660	68.660	0.000	-0.03%	3.33%
	Min	67.300	66.800	-2.600	-3.81%	0.00%
	Std Dev	1.083	1.474	2.007	2.89%	2.75%

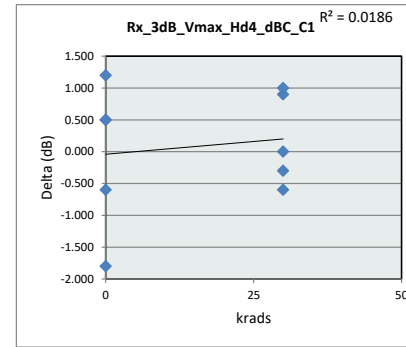


		Rx_3dB_Vmax_Hd3_dBC_C1	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		55	dB
	krads	0	30
LL		55.000	55.000
Min		66.800	67.900
Average		68.700	68.620
Max		71.100	69.900
UL		100.000	100.000

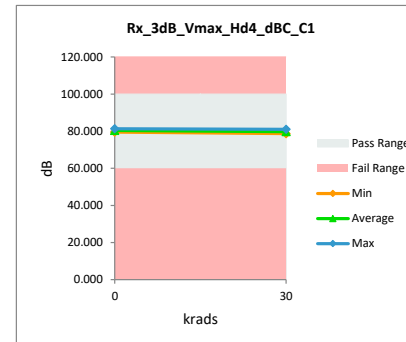


TID Report
AFE7950-SEP

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Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		60	60			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	80.200	79.700	0.500	0.62%	1.25%
0	C2	80.700	79.500	1.200	1.49%	3.00%
0	C3	81.200	80.700	0.500	0.62%	1.25%
0	C4	79.000	80.800	-1.800	-2.28%	4.50%
0	C5	80.700	81.300	-0.600	-0.74%	1.50%
30	1	80.100	80.100	0.000	0.00%	0.00%
30	2	80.700	81.000	-0.300	-0.37%	0.75%
30	3	79.600	78.700	0.900	1.13%	2.25%
30	4	79.400	80.000	-0.600	-0.76%	1.50%
30	5	79.900	78.900	1.000	1.25%	2.50%
	Max	81.200	81.300	1.200	1.49%	4.50%
	Average	80.150	80.070	0.080	0.10%	1.85%
	Min	79.000	78.700	-1.800	-2.28%	0.00%
	Std Dev	0.688	0.883	0.927	1.16%	1.27%

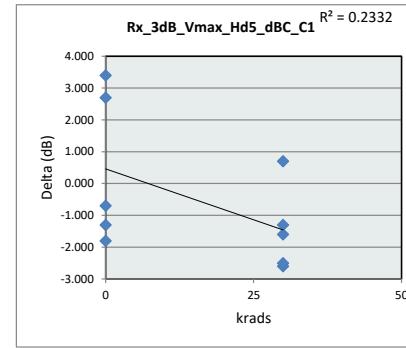


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Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		60	dB
	krads	0	30
LL		60.000	60.000
Min		79.500	78.700
Average		80.400	79.740
Max		81.300	81.000
UL		100.000	100.000

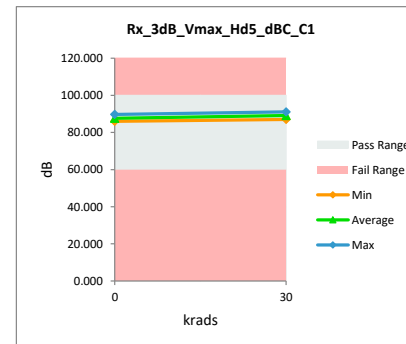


TID Report
AFE7950-SEP

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Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		60	60			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	86.200	86.900	-0.700	-0.81%	1.75%
0	C2	88.400	89.700	-1.300	-1.47%	3.25%
0	C3	87.000	88.800	-1.800	-2.07%	4.50%
0	C4	90.200	86.800	3.400	3.77%	8.50%
0	C5	88.700	86.000	2.700	3.04%	6.75%
30	1	87.500	90.100	-2.600	-2.97%	6.50%
30	2	87.400	88.700	-1.300	-1.49%	3.25%
30	3	89.500	91.100	-1.600	-1.79%	4.00%
30	4	86.200	88.700	-2.500	-2.90%	6.25%
30	5	87.700	87.000	0.700	0.80%	1.75%
	Max	90.200	91.100	3.400	3.77%	8.50%
	Average	87.880	88.380	-0.500	-0.59%	4.65%
	Min	86.200	86.000	-2.600	-2.97%	1.75%
	Std Dev	1.324	1.658	2.095	2.37%	2.27%

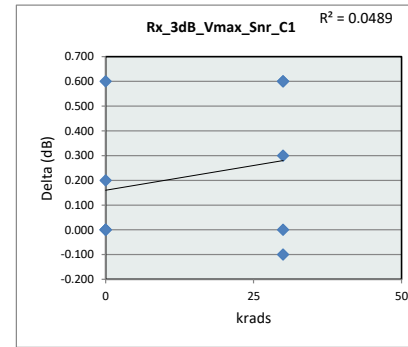


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Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		60	dB
	krads	0	30
LL		60.000	60.000
Min		86.000	87.000
Average		87.640	89.120
Max		89.700	91.100
UL		100.000	100.000

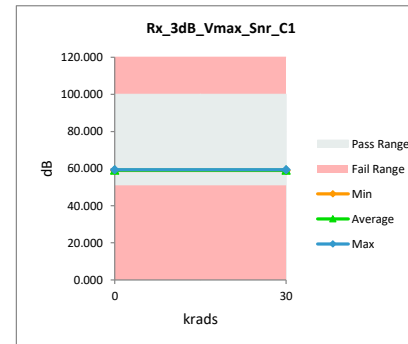


TID Report
AFE7950-SEP

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Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		51	51			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	59.300	59.100	0.200	0.34%	0.41%
0	C2	59.600	59.000	0.600	1.01%	1.22%
0	C3	59.400	59.400	0.000	0.00%	0.00%
0	C4	59.300	59.300	0.000	0.00%	0.00%
0	C5	59.000	59.000	0.000	0.00%	0.00%
30	1	59.400	59.100	0.300	0.51%	0.61%
30	2	59.200	59.200	0.000	0.00%	0.00%
30	3	59.600	59.000	0.600	1.01%	1.22%
30	4	59.600	59.000	0.600	1.01%	1.22%
30	5	59.300	59.400	-0.100	-0.17%	0.20%
	Max	59.600	59.400	0.600	1.01%	1.22%
	Average	59.370	59.150	0.220	0.37%	0.49%
	Min	59.000	59.000	-0.100	-0.17%	0.00%
	Std Dev	0.195	0.165	0.286	0.48%	0.55%

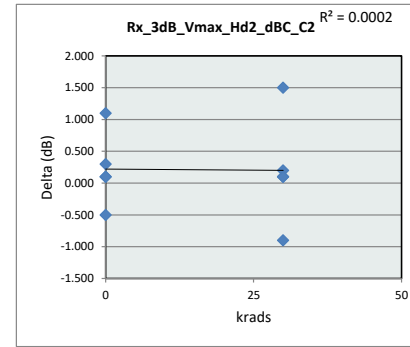


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Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		51	dB
	krads	0	30
LL		51.000	51.000
Min		59.000	59.000
Average		59.160	59.140
Max		59.400	59.400
UL		100.000	100.000

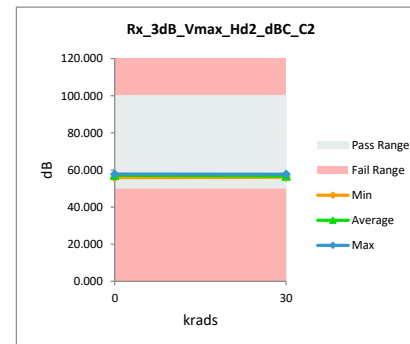


TID Report
AFE7950-SEP

		Rx_3dB_Vmax_Hd2_dBC_C2				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		50	50			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	58.100	57.800	0.300	0.52%	0.60%
0	C2	57.100	57.600	-0.500	-0.88%	1.00%
0	C3	57.900	56.800	1.100	1.90%	2.20%
0	C4	57.900	57.800	0.100	0.17%	0.20%
0	C5	56.000	55.900	0.100	0.18%	0.20%
30	1	57.200	57.100	0.100	0.17%	0.20%
30	2	56.300	56.100	0.200	0.36%	0.40%
30	3	56.800	57.700	-0.900	-1.58%	1.80%
30	4	58.100	56.600	1.500	2.58%	3.00%
30	5	56.400	56.300	0.100	0.18%	0.20%
	Max	58.100	57.800	1.500	2.58%	3.00%
	Average	57.180	56.970	0.210	0.36%	0.98%
	Min	56.000	55.900	-0.900	-1.58%	0.20%
	Std Dev	0.793	0.733	0.687	1.19%	1.01%

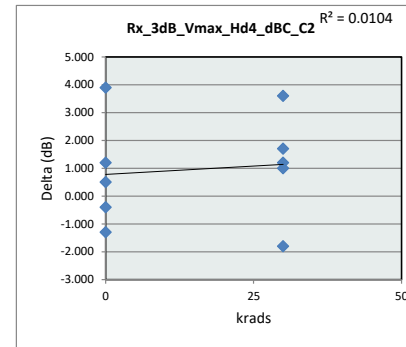


		Rx_3dB_Vmax_Hd2_dBC_C2	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		50	dB
	krads	0	30
LL		50.000	50.000
Min		55.900	56.100
Average		57.180	56.760
Max		57.800	57.700
UL		100.000	100.000

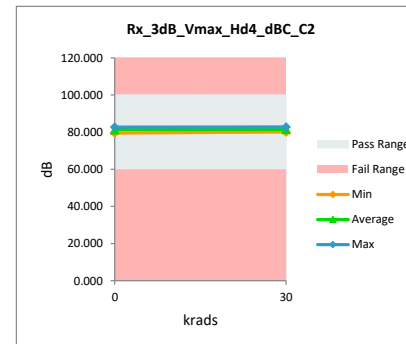


TID Report
AFE7950-SEP

		Rx_3dB_Vmax_Hd4_dBC_C2				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		60	60			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	80.700	79.500	1.200	1.49%	3.00%
0	C2	80.200	81.500	-1.300	-1.62%	3.25%
0	C3	81.800	81.300	0.500	0.61%	1.25%
0	C4	85.600	81.700	3.900	4.56%	9.75%
0	C5	82.300	82.700	-0.400	-0.49%	1.00%
30	1	83.300	81.600	1.700	2.04%	4.25%
30	2	82.300	81.100	1.200	1.46%	3.00%
30	3	81.000	82.800	-1.800	-2.22%	4.50%
30	4	83.700	80.100	3.600	4.30%	9.00%
30	5	82.600	81.600	1.000	1.21%	2.50%
	Max	85.600	82.800	3.900	4.56%	9.75%
	Average	82.350	81.390	0.960	1.13%	4.15%
	Min	80.200	79.500	-1.800	-2.22%	1.00%
	Std Dev	1.593	1.013	1.858	2.22%	2.97%

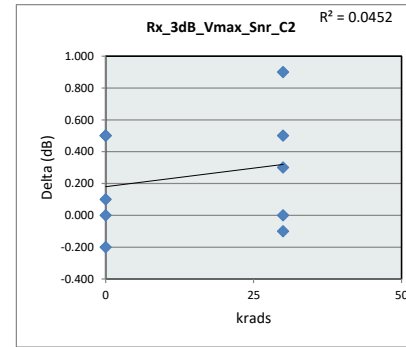


		Rx_3dB_Vmax_Hd4_dBC_C2	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		60	dB
	krads	0	30
LL		60.000	60.000
Min		79.500	80.100
Average		81.340	81.440
Max		82.700	82.800
UL		100.000	100.000

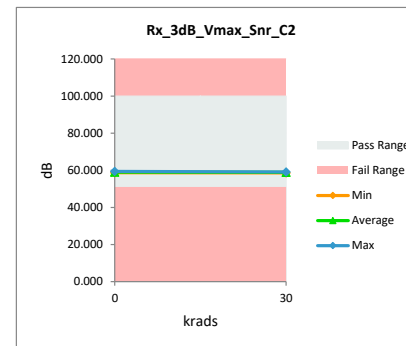


TID Report
AFE7950-SEP

		Rx_3dB_Vmax_Snr_C2				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		51	51			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	59.200	58.700	0.500	0.84%	1.02%
0	C2	59.300	58.800	0.500	0.84%	1.02%
0	C3	59.100	59.300	-0.200	-0.34%	0.41%
0	C4	59.400	59.400	0.000	0.00%	0.00%
0	C5	58.900	58.800	0.100	0.17%	0.20%
30	1	59.500	59.000	0.500	0.84%	1.02%
30	2	59.100	58.800	0.300	0.51%	0.61%
30	3	59.000	59.100	-0.100	-0.17%	0.20%
30	4	59.500	58.600	0.900	1.51%	1.84%
30	5	59.000	59.000	0.000	0.00%	0.00%
	Max	59.500	59.400	0.900	1.51%	1.84%
	Average	59.200	58.950	0.250	0.42%	0.63%
	Min	58.900	58.600	-0.200	-0.34%	0.00%
	Std Dev	0.216	0.259	0.347	0.58%	0.59%

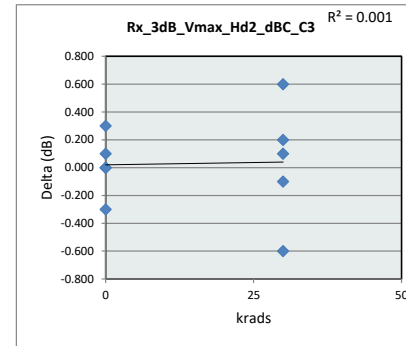


		Rx_3dB_Vmax_Snr_C2	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		51	dB
	krads	0	30
LL		51.000	51.000
Min		58.700	58.600
Average		59.000	58.900
Max		59.400	59.100
UL		100.000	100.000

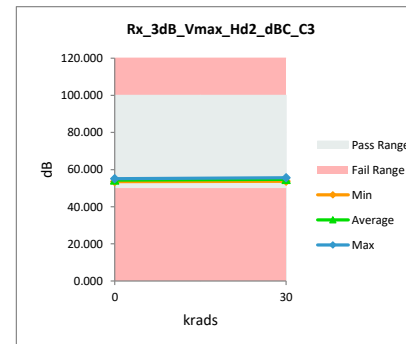


TID Report
AFE7950-SEP

		Rx_3dB_Vmax_Hd2_dBC_C3				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		50	50			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	54.300	54.300	0.000	0.00%	0.00%
0	C2	54.800	55.100	-0.300	-0.55%	0.60%
0	C3	55.100	54.800	0.300	0.54%	0.60%
0	C4	54.100	54.000	0.100	0.18%	0.20%
0	C5	53.500	53.500	0.000	0.00%	0.00%
30	1	55.200	55.000	0.200	0.36%	0.40%
30	2	55.200	55.100	0.100	0.18%	0.20%
30	3	53.600	54.200	-0.600	-1.12%	1.20%
30	4	54.300	53.700	0.600	1.10%	1.20%
30	5	55.500	55.600	-0.100	-0.18%	0.20%
	Max	55.500	55.600	0.600	1.10%	1.20%
	Average	54.560	54.530	0.030	0.05%	0.46%
	Min	53.500	53.500	-0.600	-1.12%	0.00%
	Std Dev	0.703	0.690	0.327	0.60%	0.44%

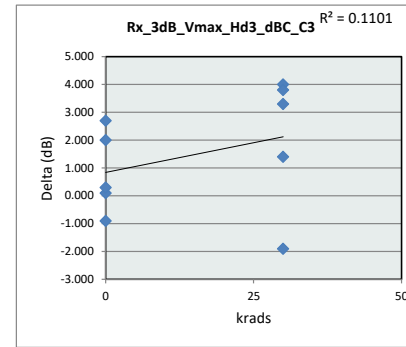


		Rx_3dB_Vmax_Hd2_dBC_C3	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		50	dB
	krads	0	30
LL		50.000	50.000
Min		53.500	53.700
Average		54.340	54.720
Max		55.100	55.600
UL		100.000	100.000

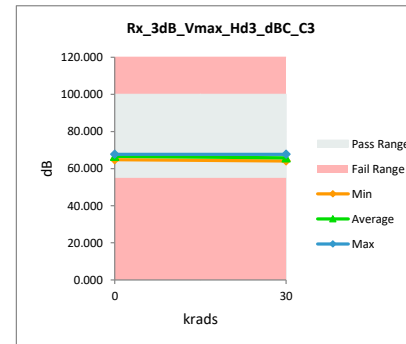


TID Report AFE7950-SEP

		Rx_3dB_Vmax_Hd3_dBC_C3				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		55	55			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	67.000	66.900	0.100	0.15%	0.22%
0	C2	67.300	67.000	0.300	0.45%	0.67%
0	C3	66.800	67.700	-0.900	-1.35%	2.00%
0	C4	69.400	66.700	2.700	3.89%	6.00%
0	C5	66.800	64.800	2.000	2.99%	4.44%
30	1	70.000	66.000	4.000	5.71%	8.89%
30	2	69.600	66.300	3.300	4.74%	7.33%
30	3	68.700	64.900	3.800	5.53%	8.44%
30	4	65.800	67.700	-1.900	-2.89%	4.22%
30	5	65.500	64.100	1.400	2.14%	3.11%
	Max	70.000	67.700	4.000	5.71%	8.89%
	Average	67.690	66.210	1.480	2.14%	4.53%
	Min	65.500	64.100	-1.900	-2.89%	0.22%
	Std Dev	1.616	1.247	2.033	2.96%	3.10%

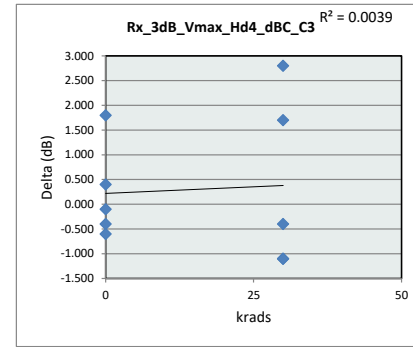


		Rx_3dB_Vmax_Hd3_dBC_C3	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		55	dB
	krads	0	30
LL		55.000	55.000
Min		64.800	64.100
Average		66.620	65.800
Max		67.700	67.700
UL		100.000	100.000

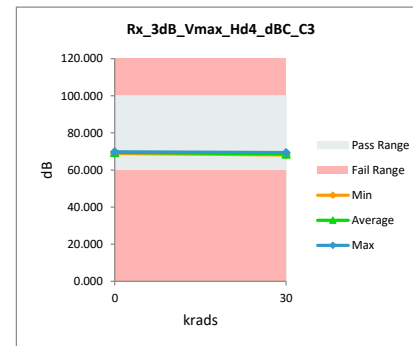


TID Report
AFE7950-SEP

		Rx_3dB_Vmax_Hd4_dBC_C3				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		60	60			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	69.600	69.700	-0.100	-0.14%	0.25%
0	C2	69.300	68.900	0.400	0.58%	1.00%
0	C3	69.400	69.800	-0.400	-0.58%	1.00%
0	C4	71.000	69.200	1.800	2.54%	4.50%
0	C5	69.000	69.600	-0.600	-0.87%	1.50%
30	1	71.000	68.200	2.800	3.94%	7.00%
30	2	69.000	69.400	-0.400	-0.58%	1.00%
30	3	69.800	68.100	1.700	2.44%	4.25%
30	4	68.100	69.200	-1.100	-1.62%	2.75%
30	5	67.200	68.300	-1.100	-1.64%	2.75%
	Max	71.000	69.800	2.800	3.94%	7.00%
	Average	69.340	69.040	0.300	0.41%	2.60%
	Min	67.200	68.100	-1.100	-1.64%	0.25%
	Std Dev	1.162	0.638	1.347	1.92%	2.11%

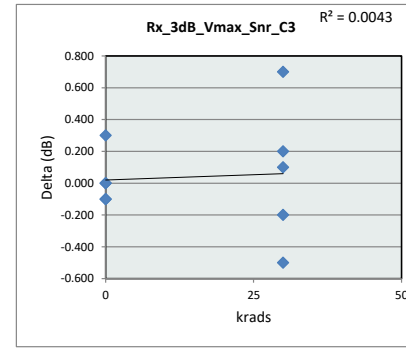


		Rx_3dB_Vmax_Hd4_dBC_C3	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		60	dB
	krads	0	30
LL		60.000	60.000
Min		68.900	68.100
Average		69.440	68.640
Max		69.800	69.400
UL		100.000	100.000

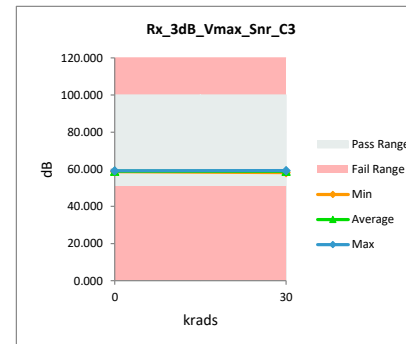


TID Report
AFE7950-SEP

		Rx_3dB_Vmax_Snr_C3				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		51	51			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	59.000	59.000	0.000	0.00%	0.00%
0	C2	59.300	59.000	0.300	0.51%	0.61%
0	C3	59.200	59.200	0.000	0.00%	0.00%
0	C4	58.900	59.000	-0.100	-0.17%	0.20%
0	C5	58.600	58.700	-0.100	-0.17%	0.20%
30	1	59.200	59.000	0.200	0.34%	0.41%
30	2	59.400	59.300	0.100	0.17%	0.20%
30	3	58.700	58.900	-0.200	-0.34%	0.41%
30	4	58.900	58.200	0.700	1.19%	1.43%
30	5	58.700	59.200	-0.500	-0.85%	1.02%
	Max	59.400	59.300	0.700	1.19%	1.43%
	Average	58.990	58.950	0.040	0.07%	0.45%
	Min	58.600	58.200	-0.500	-0.85%	0.00%
	Std Dev	0.277	0.314	0.320	0.54%	0.46%

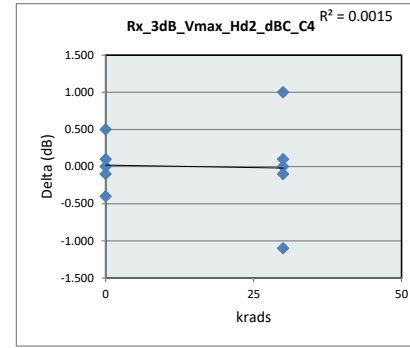


		Rx_3dB_Vmax_Snr_C3	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		51	dB
	krads	0	30
LL		51.000	51.000
Min		58.700	58.200
Average		58.980	58.920
Max		59.200	59.300
UL		100.000	100.000

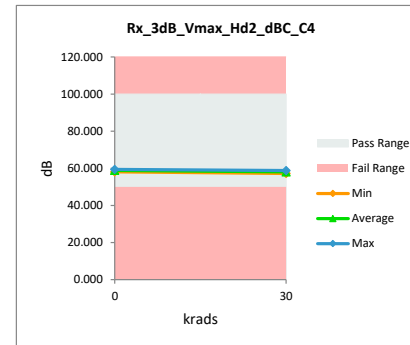


TID Report
AFE7950-SEP

		Rx_3dB_Vmax_Hd2_dBC_C4				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		50	50			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	59.300	59.400	-0.100	-0.17%	0.20%
0	C2	58.200	58.600	-0.400	-0.69%	0.80%
0	C3	58.600	58.100	0.500	0.85%	1.00%
0	C4	59.300	59.200	0.100	0.17%	0.20%
0	C5	59.000	59.000	0.000	0.00%	0.00%
30	1	58.800	58.800	0.000	0.00%	0.00%
30	2	57.700	57.800	-0.100	-0.17%	0.20%
30	3	58.200	57.200	1.000	1.72%	2.00%
30	4	57.200	58.300	-1.100	-1.92%	2.20%
30	5	58.400	58.300	0.100	0.17%	0.20%
	Max	59.300	59.400	1.000	1.72%	2.20%
	Average	58.470	58.470	0.000	0.00%	0.68%
	Min	57.200	57.200	-1.100	-1.92%	0.00%
	Std Dev	0.678	0.672	0.544	0.94%	0.82%

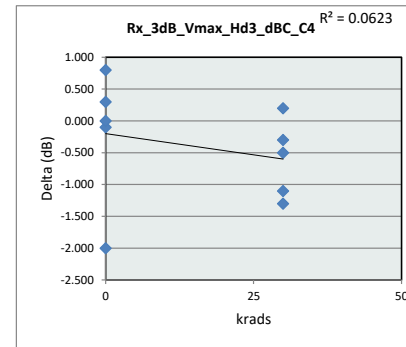


		Rx_3dB_Vmax_Hd2_dBC_C4	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		50	dB
	krads	0	30
LL		50.000	50.000
Min		58.100	57.200
Average		58.860	58.080
Max		59.400	58.800
UL		100.000	100.000

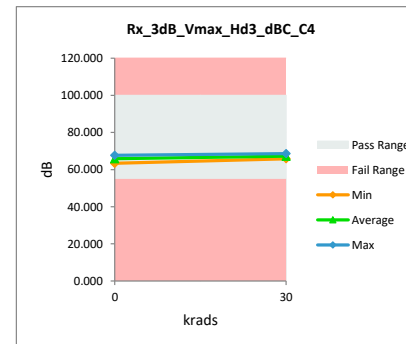


TID Report
AFE7950-SEP

		Rx_3dB_Vmax_Hd3_dBC_C4				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		55	55			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	63.300	63.400	-0.100	-0.16%	0.22%
0	C2	67.200	66.900	0.300	0.45%	0.67%
0	C3	65.700	67.700	-2.000	-3.04%	4.44%
0	C4	67.500	66.700	0.800	1.19%	1.78%
0	C5	64.600	64.600	0.000	0.00%	0.00%
30	1	65.300	65.800	-0.500	-0.77%	1.11%
30	2	66.200	67.300	-1.100	-1.66%	2.44%
30	3	67.100	67.400	-0.300	-0.45%	0.67%
30	4	67.200	67.000	0.200	0.30%	0.44%
30	5	67.300	68.600	-1.300	-1.93%	2.89%
	Max	67.500	68.600	0.800	1.19%	4.44%
	Average	66.140	66.540	-0.400	-0.61%	1.47%
	Min	63.300	63.400	-2.000	-3.04%	0.00%
	Std Dev	1.403	1.544	0.845	1.27%	1.42%

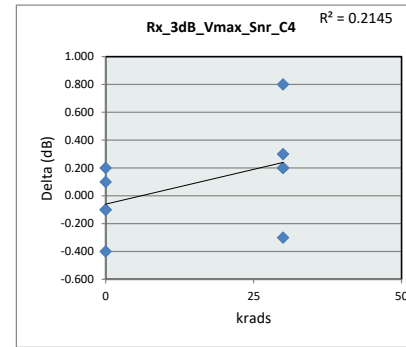


		Rx_3dB_Vmax_Hd3_dBC_C4	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		55	dB
	krads	0	30
LL		55.000	55.000
Min		63.400	65.800
Average		65.860	67.220
Max		67.700	68.600
UL		100.000	100.000

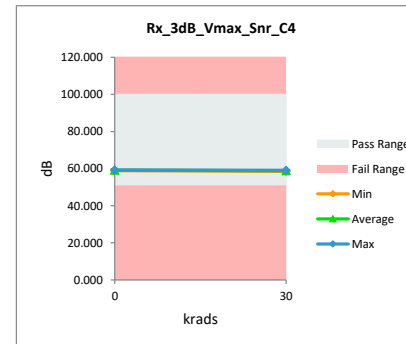


TID Report
AFE7950-SEP

		Rx_3dB_Vmax_Snr_C4				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		51	51			
krams	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	59.200	59.300	-0.100	-0.17%	0.20%
0	C2	59.100	58.900	0.200	0.34%	0.41%
0	C3	58.900	59.300	-0.400	-0.68%	0.82%
0	C4	59.100	59.000	0.100	0.17%	0.20%
0	C5	59.100	59.200	-0.100	-0.17%	0.20%
30	1	59.400	59.100	0.300	0.51%	0.61%
30	2	59.200	59.000	0.200	0.34%	0.41%
30	3	59.300	58.500	0.800	1.35%	1.63%
30	4	58.900	58.700	0.200	0.34%	0.41%
30	5	58.700	59.000	-0.300	-0.51%	0.61%
	Max	59.400	59.300	0.800	1.35%	1.63%
	Average	59.090	59.000	0.090	0.15%	0.55%
	Min	58.700	58.500	-0.400	-0.68%	0.20%
	Std Dev	0.208	0.254	0.341	0.58%	0.43%

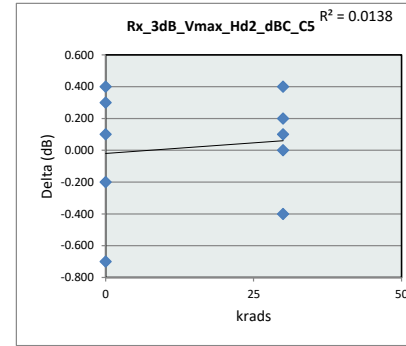


		Rx_3dB_Vmax_Snr_C4	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		51	dB
	krams	0	30
LL		51.000	51.000
Min		58.900	58.500
Average		59.140	58.860
Max		59.300	59.100
UL		100.000	100.000

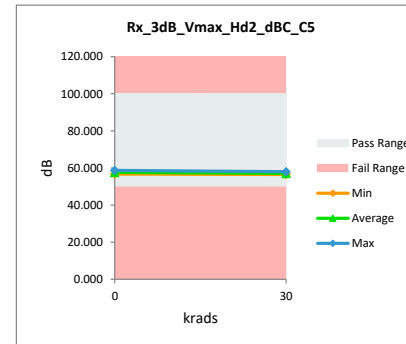


TID Report
AFE7950-SEP

		Rx_3dB_Vmax_Hd2_dBC_C5				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		50	50			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	58.500	58.700	-0.200	-0.34%	0.40%
0	C2	57.800	57.400	0.400	0.69%	0.80%
0	C3	57.200	57.900	-0.700	-1.22%	1.40%
0	C4	57.600	57.300	0.300	0.52%	0.60%
0	C5	56.800	56.700	0.100	0.18%	0.20%
30	1	56.700	56.500	0.200	0.35%	0.40%
30	2	57.300	56.900	0.400	0.70%	0.80%
30	3	57.000	57.000	0.000	0.00%	0.00%
30	4	57.100	57.000	0.100	0.18%	0.20%
30	5	57.600	58.000	-0.400	-0.69%	0.80%
	Max	58.500	58.700	0.400	0.70%	1.40%
	Average	57.360	57.340	0.020	0.04%	0.56%
	Min	56.700	56.500	-0.700	-1.22%	0.00%
	Std Dev	0.536	0.679	0.358	0.62%	0.41%

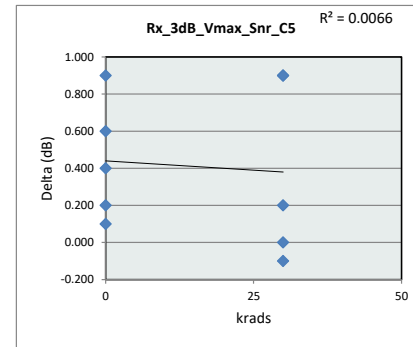


		Rx_3dB_Vmax_Hd2_dBC_C5	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		50	dB
	krads	0	30
LL		50.000	50.000
Min		56.700	56.500
Average		57.600	57.080
Max		58.700	58.000
UL		100.000	100.000

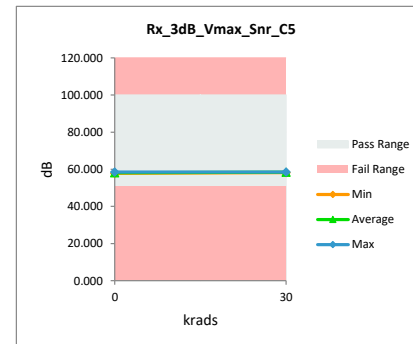


TID Report
AFE7950-SEP

		Rx_3dB_Vmax_Snr_C5				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		51	51			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	58.200	57.800	0.400	0.69%	0.82%
0	C2	58.600	58.500	0.100	0.17%	0.20%
0	C3	58.500	58.300	0.200	0.34%	0.41%
0	C4	58.800	58.200	0.600	1.02%	1.22%
0	C5	58.800	57.900	0.900	1.53%	1.84%
30	1	59.100	58.200	0.900	1.52%	1.84%
30	2	59.200	58.300	0.900	1.52%	1.84%
30	3	58.700	58.500	0.200	0.34%	0.41%
30	4	58.500	58.500	0.000	0.00%	0.00%
30	5	58.400	58.500	-0.100	-0.17%	0.20%
	Max	59.200	58.500	0.900	1.53%	1.84%
	Average	58.680	58.270	0.410	0.70%	0.88%
	Min	58.200	57.800	-0.100	-0.17%	0.00%
	Std Dev	0.308	0.254	0.390	0.66%	0.75%

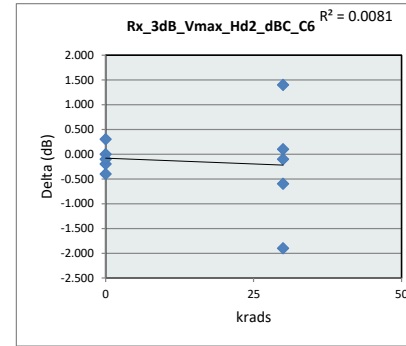


		Rx_3dB_Vmax_Snr_C5	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		51	dB
	krads	0	30
LL		51.000	51.000
Min		57.800	58.200
Average		58.140	58.400
Max		58.500	58.500
UL		100.000	100.000

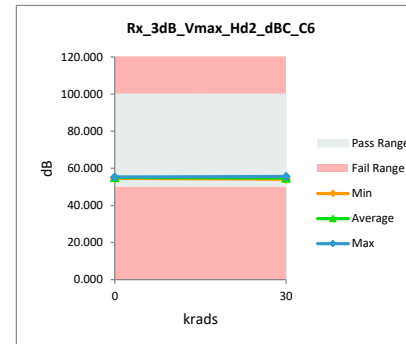


TID Report
AFE7950-SEP

		Rx_3dB_Vmax_Hd2_dBC_C6				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		50	50			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	55.000	55.000	0.000	0.00%	0.00%
0	C2	55.100	55.300	-0.200	-0.36%	0.40%
0	C3	55.400	55.100	0.300	0.54%	0.60%
0	C4	54.200	54.600	-0.400	-0.74%	0.80%
0	C5	55.200	55.300	-0.100	-0.18%	0.20%
30	1	54.800	54.700	0.100	0.18%	0.20%
30	2	54.000	54.100	-0.100	-0.19%	0.20%
30	3	53.700	55.600	-1.900	-3.54%	3.80%
30	4	55.600	54.200	1.400	2.52%	2.80%
30	5	54.600	55.200	-0.600	-1.10%	1.20%
	Max	55.600	55.600	1.400	2.52%	3.80%
	Average	54.760	54.910	-0.150	-0.29%	1.02%
	Min	53.700	54.100	-1.900	-3.54%	0.00%
	Std Dev	0.626	0.495	0.818	1.50%	1.27%

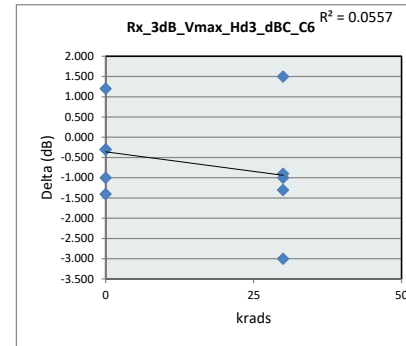


		Rx_3dB_Vmax_Hd2_dBC_C6	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		50	dB
	krads	0	30
LL		50.000	50.000
Min		54.600	54.100
Average		55.060	54.760
Max		55.300	55.600
UL		100.000	100.000

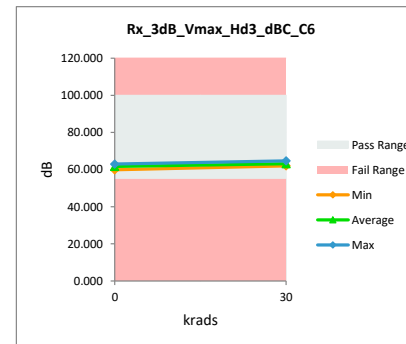


TID Report
AFE7950-SEP

		Rx_3dB_Vmax_Hd3_dBC_C6				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		55	55			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	62.600	62.900	-0.300	-0.48%	0.67%
0	C2	61.100	59.900	1.200	1.96%	2.67%
0	C3	59.800	61.200	-1.400	-2.34%	3.11%
0	C4	62.700	63.000	-0.300	-0.48%	0.67%
0	C5	60.500	61.500	-1.000	-1.65%	2.22%
30	1	63.000	64.000	-1.000	-1.59%	2.22%
30	2	61.600	62.500	-0.900	-1.46%	2.00%
30	3	64.100	62.600	1.500	2.34%	3.33%
30	4	61.700	64.700	-3.000	-4.86%	6.67%
30	5	60.700	62.000	-1.300	-2.14%	2.89%
	Max	64.100	64.700	1.500	2.34%	6.67%
	Average	61.780	62.430	-0.650	-1.07%	2.64%
	Min	59.800	59.900	-3.000	-4.86%	6.67%
	Std Dev	1.317	1.381	1.296	2.09%	1.68%

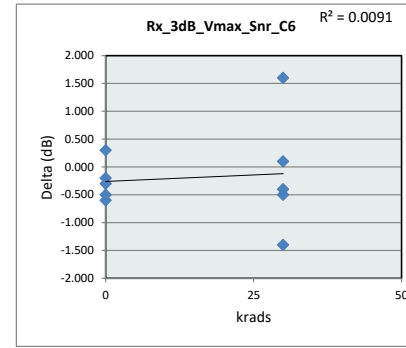


		Rx_3dB_Vmax_Hd3_dBC_C6	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		55	dB
	krads	0	30
LL		55.000	55.000
Min		59.900	62.000
Average		61.700	63.160
Max		63.000	64.700
UL		100.000	100.000

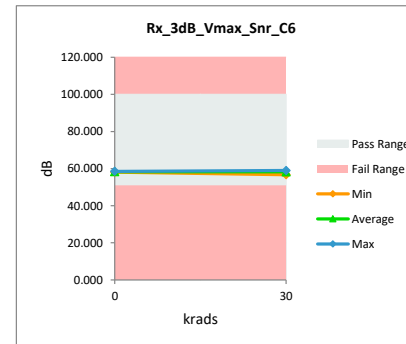


TID Report
AFE7950-SEP

		Rx_3dB_Vmax_Snr_C6				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		51	51			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	58.200	58.400	-0.200	-0.34%	0.41%
0	C2	57.900	58.500	-0.600	-1.04%	1.22%
0	C3	58.500	58.200	0.300	0.51%	0.61%
0	C4	58.100	58.400	-0.300	-0.52%	0.61%
0	C5	57.600	58.100	-0.500	-0.87%	1.02%
30	1	59.100	59.000	0.100	0.17%	0.20%
30	2	58.100	58.600	-0.500	-0.86%	1.02%
30	3	56.900	58.300	-1.400	-2.46%	2.86%
30	4	58.300	56.700	1.600	2.74%	3.27%
30	5	58.400	58.800	-0.400	-0.68%	0.82%
	Max	59.100	59.000	1.600	2.74%	3.27%
	Average	58.110	58.300	-0.190	-0.33%	1.20%
	Min	56.900	56.700	-1.400	-2.46%	0.20%
	Std Dev	0.580	0.624	0.775	1.34%	1.03%

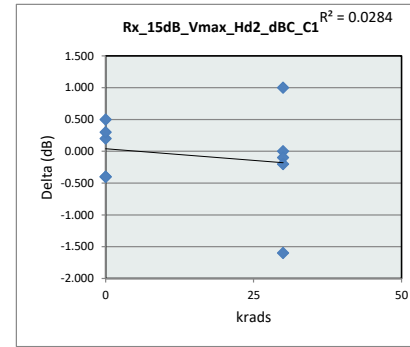


		Rx_3dB_Vmax_Snr_C6	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		51	dB
	krads	0	30
LL		51.000	51.000
Min		58.100	56.700
Average		58.320	58.280
Max		58.500	59.000
UL		100.000	100.000

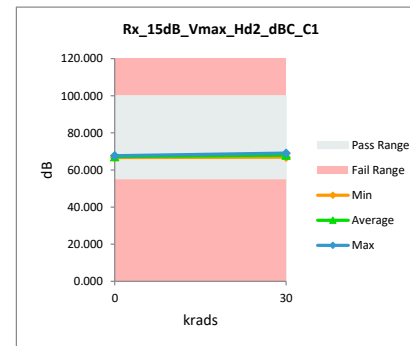


TID Report
AFE7950-SEP

		Rx_15dB_Vmax_Hd2_dBC_C1				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		55	55			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	66.600	67.000	-0.400	-0.60%	0.89%
0	C2	67.200	66.700	0.500	0.74%	1.11%
0	C3	67.200	67.600	-0.400	-0.60%	0.89%
0	C4	67.900	67.700	0.200	0.29%	0.44%
0	C5	67.200	66.900	0.300	0.45%	0.67%
30	1	68.000	68.000	0.000	0.00%	0.00%
30	2	66.800	66.900	-0.100	-0.15%	0.22%
30	3	68.500	67.500	1.000	1.46%	2.22%
30	4	66.900	68.500	-1.600	-2.39%	3.56%
30	5	68.900	69.100	-0.200	-0.29%	0.44%
	Max	68.900	69.100	1.000	1.46%	3.56%
	Average	67.520	67.590	-0.070	-0.11%	1.04%
	Min	66.600	66.700	-1.600	-2.39%	0.00%
	Std Dev	0.767	0.774	0.688	1.02%	1.07%

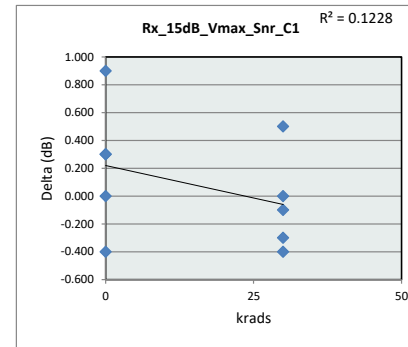


		Rx_15dB_Vmax_Hd2_dBC_C1	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		55	dB
	krads	0	30
LL		55.000	55.000
Min		66.700	66.900
Average		67.180	68.000
Max		67.700	69.100
UL		100.000	100.000

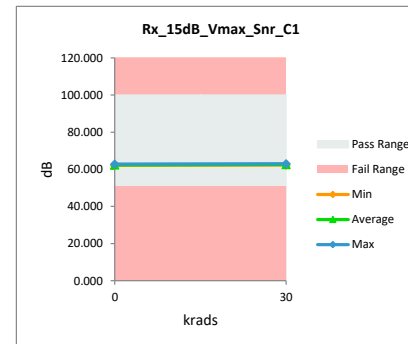


TID Report
AFE7950-SEP

		Rx_15dB_Vmax_Snr_C1				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		51	51			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	62.400	62.100	0.300	0.48%	0.61%
0	C2	63.000	62.100	0.900	1.43%	1.84%
0	C3	62.400	62.800	-0.400	-0.64%	0.82%
0	C4	62.700	62.400	0.300	0.48%	0.61%
0	C5	62.300	62.300	0.000	0.00%	0.00%
30	1	62.600	62.600	0.000	0.00%	0.00%
30	2	62.400	62.500	-0.100	-0.16%	0.20%
30	3	62.800	62.300	0.500	0.80%	1.02%
30	4	62.600	63.000	-0.400	-0.64%	0.82%
30	5	62.100	62.400	-0.300	-0.48%	0.61%
	Max	63.000	63.000	0.900	1.43%	1.84%
	Average	62.530	62.450	0.080	0.13%	0.65%
	Min	62.100	62.100	-0.400	-0.64%	0.00%
	Std Dev	0.263	0.288	0.421	0.67%	0.54%

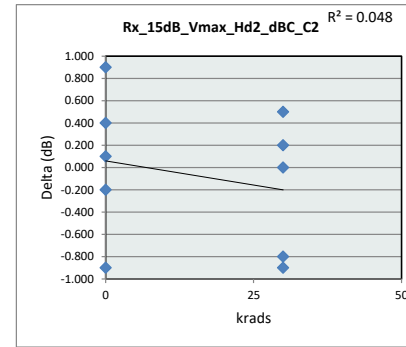


		Rx_15dB_Vmax_Snr_C1	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		51	dB
	krads	0	30
LL		51.000	51.000
Min		62.100	62.300
Average		62.340	62.560
Max		62.800	63.000
UL		100.000	100.000

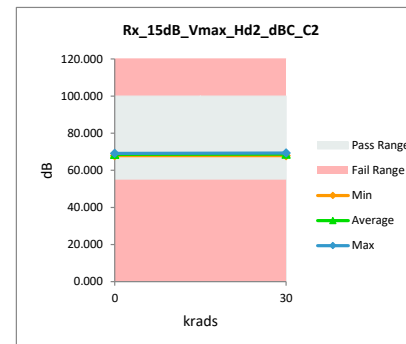


TID Report
AFE7950-SEP

		Rx_15dB_Vmax_Hd2_dBC_C2				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		55	55			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	68.900	69.100	-0.200	-0.29%	0.44%
0	C2	69.100	69.000	0.100	0.14%	0.22%
0	C3	69.400	68.500	0.900	1.30%	2.00%
0	C4	67.500	68.400	-0.900	-1.33%	2.00%
0	C5	68.300	67.900	0.400	0.59%	0.89%
30	1	69.000	69.000	0.000	0.00%	0.00%
30	2	68.400	67.900	0.500	0.73%	1.11%
30	3	67.900	68.800	-0.900	-1.33%	2.00%
30	4	69.500	69.300	0.200	0.29%	0.44%
30	5	67.800	68.600	-0.800	-1.18%	1.78%
	Max	69.500	69.300	0.900	1.30%	2.00%
	Average	68.580	68.650	-0.070	-0.11%	1.09%
	Min	67.500	67.900	-0.900	-1.33%	0.00%
	Std Dev	0.700	0.484	0.625	0.92%	0.80%

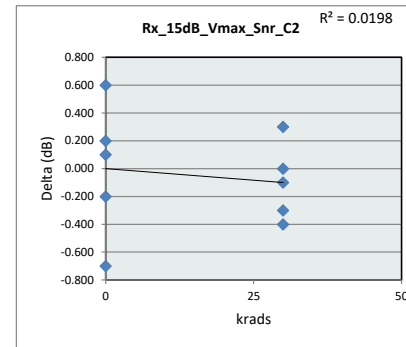


		Rx_15dB_Vmax_Hd2_dBC_C2	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		55	dB
	krads	0	30
LL		55.000	55.000
Min		67.900	67.900
Average		68.580	68.720
Max		69.100	69.300
UL		100.000	100.000

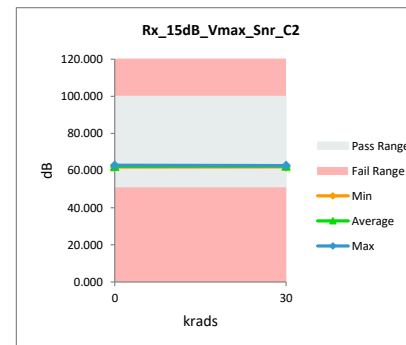


TID Report
AFE7950-SEP

		Rx_15dB_Vmax_Snr_C2				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		51	51			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	62.100	62.300	-0.200	-0.32%	0.41%
0	C2	62.700	62.100	0.600	0.96%	1.22%
0	C3	62.200	62.900	-0.700	-1.13%	1.43%
0	C4	62.600	62.500	0.100	0.16%	0.20%
0	C5	62.100	61.900	0.200	0.32%	0.41%
30	1	62.700	62.700	0.000	0.00%	0.00%
30	2	61.900	62.000	-0.100	-0.16%	0.20%
30	3	62.700	62.400	0.300	0.48%	0.61%
30	4	62.300	62.700	-0.400	-0.64%	0.82%
30	5	62.100	62.400	-0.300	-0.48%	0.61%
	Max	62.700	62.900	0.600	0.96%	1.43%
	Average	62.340	62.390	-0.050	-0.08%	0.59%
	Min	61.900	61.900	-0.700	-1.13%	0.00%
	Std Dev	0.306	0.325	0.375	0.60%	0.46%

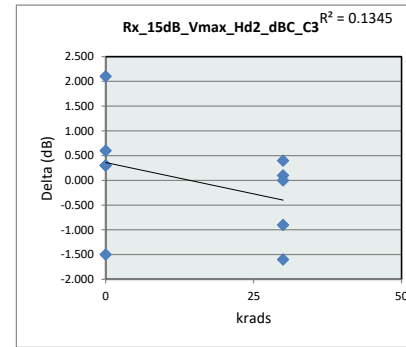


		Rx_15dB_Vmax_Snr_C2	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		51	dB
	krads	0	30
LL		51.000	51.000
Min		61.900	62.000
Average		62.340	62.440
Max		62.900	62.700
UL		100.000	100.000

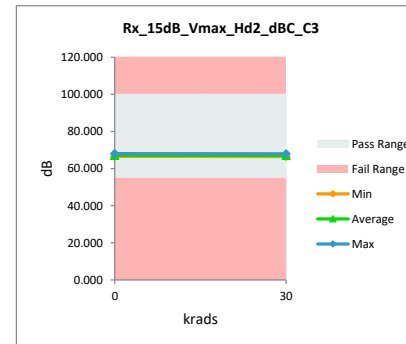


TID Report
AFE7950-SEP

		Rx_15dB_Vmax_Hd2_dBC_C3				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		55	55			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	67.400	67.100	0.300	0.45%	0.67%
0	C2	67.500	67.200	0.300	0.44%	0.67%
0	C3	67.200	66.600	0.600	0.89%	1.33%
0	C4	66.600	68.100	-1.500	-2.25%	3.33%
0	C5	68.900	66.800	2.100	3.05%	4.67%
30	1	67.000	66.600	0.400	0.60%	0.89%
30	2	66.600	66.500	0.100	0.15%	0.22%
30	3	66.800	66.800	0.000	0.00%	0.00%
30	4	66.600	67.500	-0.900	-1.35%	2.00%
30	5	66.400	68.000	-1.600	-2.41%	3.56%
	Max	68.900	68.100	2.100	3.05%	4.67%
	Average	67.100	67.120	-0.020	-0.04%	1.73%
	Min	66.400	66.500	-1.600	-2.41%	0.00%
	Std Dev	0.733	0.579	1.092	1.62%	1.60%

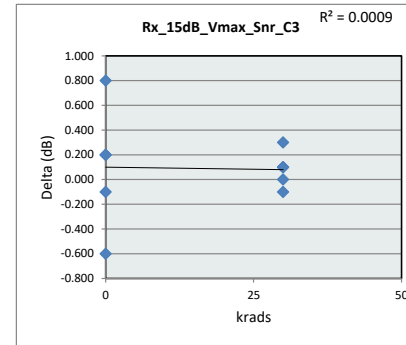


		Rx_15dB_Vmax_Hd2_dBC_C3	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		55	dB
	krads	0	30
LL		55.000	55.000
Min		66.600	66.500
Average		67.160	67.080
Max		68.100	68.000
UL		100.000	100.000

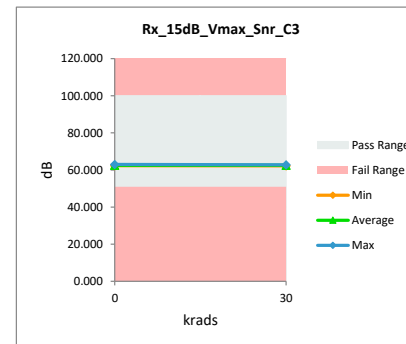


TID Report
AFE7950-SEP

		Rx_15dB_Vmax_Snr_C3				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		51	51			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	62.600	62.400	0.200	0.32%	0.41%
0	C2	63.100	62.300	0.800	1.27%	1.63%
0	C3	62.400	63.000	-0.600	-0.96%	1.22%
0	C4	62.500	62.300	0.200	0.32%	0.41%
0	C5	62.400	62.500	-0.100	-0.16%	0.20%
30	1	62.900	62.800	0.100	0.16%	0.20%
30	2	62.600	62.600	0.000	0.00%	0.00%
30	3	62.800	62.500	0.300	0.48%	0.61%
30	4	62.500	62.600	-0.100	-0.16%	0.20%
30	5	62.300	62.200	0.100	0.16%	0.20%
	Max	63.100	63.000	0.800	1.27%	1.63%
	Average	62.610	62.520	0.090	0.14%	0.51%
	Min	62.300	62.200	-0.600	-0.96%	0.00%
	Std Dev	0.251	0.244	0.354	0.56%	0.52%

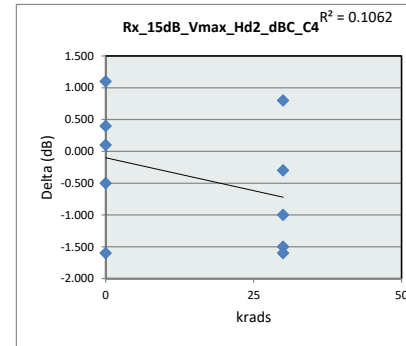


		Rx_15dB_Vmax_Snr_C3	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		51	dB
	krads	0	30
LL		51.000	51.000
Min		62.300	62.200
Average		62.500	62.540
Max		63.000	62.800
UL		100.000	100.000

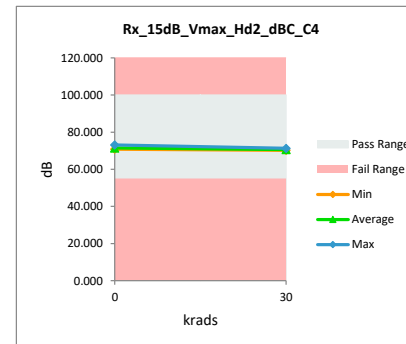


TID Report
AFE7950-SEP

		Rx_15dB_Vmax_Hd2_dBC_C4				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		55	55			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	72.300	71.200	1.100	1.52%	2.44%
0	C2	70.700	71.200	-0.500	-0.71%	1.11%
0	C3	71.200	70.800	0.400	0.56%	0.89%
0	C4	71.200	71.100	0.100	0.14%	0.22%
0	C5	71.500	73.100	-1.600	-2.24%	3.56%
30	1	71.200	70.400	0.800	1.12%	1.78%
30	2	69.200	70.700	-1.500	-2.17%	3.33%
30	3	69.900	70.200	-0.300	-0.43%	0.67%
30	4	69.700	71.300	-1.600	-2.30%	3.56%
30	5	69.400	70.400	-1.000	-1.44%	2.22%
	Max	72.300	73.100	1.100	1.52%	3.56%
	Average	70.630	71.040	-0.410	-0.59%	1.98%
	Min	69.200	70.200	-1.600	-2.30%	0.22%
	Std Dev	1.026	0.821	1.003	1.42%	1.24%

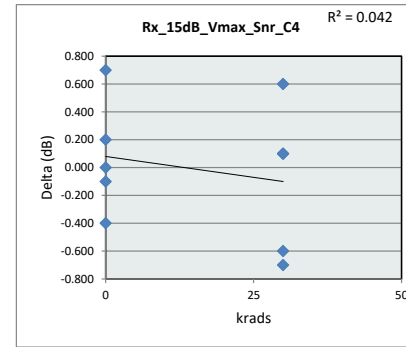


		Rx_15dB_Vmax_Hd2_dBC_C4	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		55	dB
	krads	0	30
LL		55.000	55.000
Min		70.800	70.200
Average		71.480	70.600
Max		73.100	71.300
UL		100.000	100.000

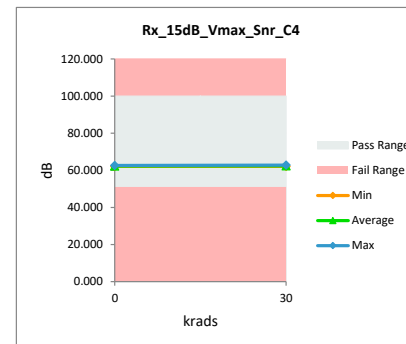


TID Report
AFE7950-SEP

		Rx_15dB_Vmax_Snr_C4				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		51	51			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	62.400	62.500	-0.100	-0.16%	0.20%
0	C2	62.800	62.100	0.700	1.11%	1.43%
0	C3	62.200	62.600	-0.400	-0.64%	0.82%
0	C4	62.400	62.200	0.200	0.32%	0.41%
0	C5	62.200	62.200	0.000	0.00%	0.00%
30	1	62.600	62.500	0.100	0.16%	0.20%
30	2	62.200	62.100	0.100	0.16%	0.20%
30	3	62.900	62.300	0.600	0.95%	1.22%
30	4	62.200	62.800	-0.600	-0.96%	1.22%
30	5	61.600	62.300	-0.700	-1.14%	1.43%
	Max	62.900	62.800	0.700	1.11%	1.43%
	Average	62.350	62.360	-0.010	-0.02%	0.71%
	Min	61.600	62.100	-0.700	-1.14%	0.00%
	Std Dev	0.369	0.232	0.463	0.74%	0.57%

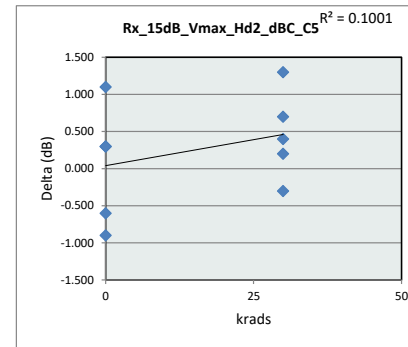


		Rx_15dB_Vmax_Snr_C4	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		51	dB
	krads	0	30
LL		51.000	51.000
Min		62.100	62.100
Average		62.320	62.400
Max		62.600	62.800
UL		100.000	100.000

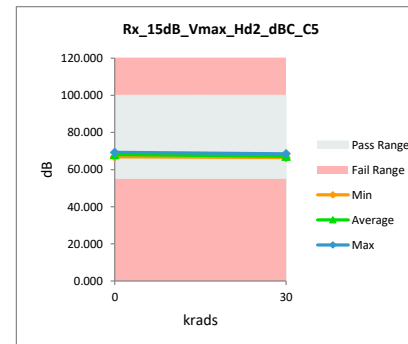


TID Report
AFE7950-SEP

		Rx_15dB_Vmax_Hd2_dBC_C5				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		55	55			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	68.400	69.300	-0.900	-1.32%	2.00%
0	C2	68.500	68.200	0.300	0.44%	0.67%
0	C3	67.700	68.300	-0.600	-0.89%	1.33%
0	C4	68.900	67.800	1.100	1.60%	2.44%
0	C5	67.200	66.900	0.300	0.45%	0.67%
30	1	66.800	66.600	0.200	0.30%	0.44%
30	2	67.600	67.900	-0.300	-0.44%	0.67%
30	3	67.900	66.600	1.300	1.91%	2.89%
30	4	67.200	66.500	0.700	1.04%	1.56%
30	5	68.900	68.500	0.400	0.58%	0.89%
	Max	68.900	69.300	1.300	1.91%	2.89%
	Average	67.910	67.660	0.250	0.37%	1.36%
	Min	66.800	66.500	-0.900	-1.32%	0.44%
	Std Dev	0.740	0.963	0.700	1.03%	0.85%

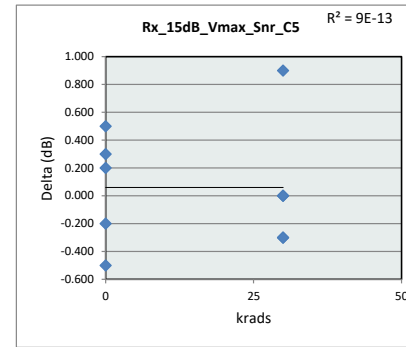


		Rx_15dB_Vmax_Hd2_dBC_C5	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		55	dB
	krads	0	30
LL		55.000	55.000
Min		66.900	66.500
Average		68.100	67.220
Max		69.300	68.500
UL		100.000	100.000

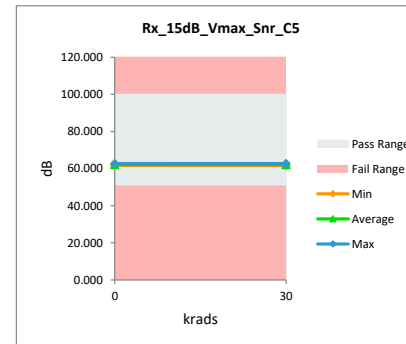


TID Report
AFE7950-SEP

		Rx_15dB_Vmax_Snr_C5				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		51	51			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	62.000	61.700	0.300	0.48%	0.61%
0	C2	62.600	62.100	0.500	0.80%	1.02%
0	C3	62.200	62.700	-0.500	-0.80%	1.02%
0	C4	62.500	62.300	0.200	0.32%	0.41%
0	C5	62.100	62.300	-0.200	-0.32%	0.41%
30	1	62.700	62.700	0.000	0.00%	0.00%
30	2	61.900	61.900	0.000	0.00%	0.00%
30	3	62.100	62.400	-0.300	-0.48%	0.61%
30	4	62.500	61.600	0.900	1.44%	1.84%
30	5	62.100	62.400	-0.300	-0.48%	0.61%
	Max	62.700	62.700	0.900	1.44%	1.84%
	Average	62.270	62.210	0.060	0.10%	0.65%
	Min	61.900	61.600	-0.500	-0.80%	0.00%
	Std Dev	0.279	0.381	0.425	0.68%	0.54%

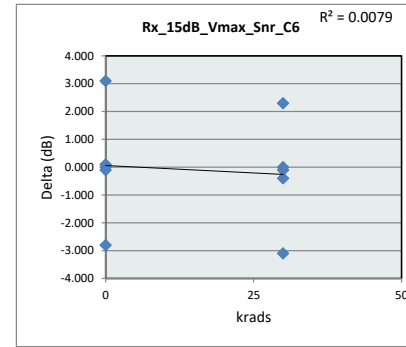


		Rx_15dB_Vmax_Snr_C5	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		51	dB
	krads	0	30
LL		51.000	51.000
Min		61.700	61.600
Average		62.220	62.200
Max		62.700	62.700
UL		100.000	100.000

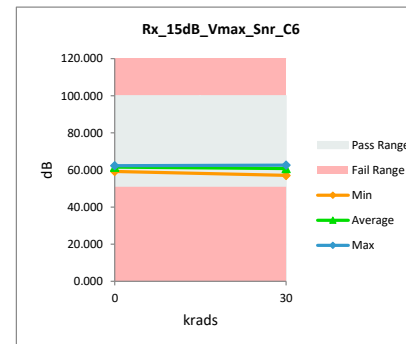


TID Report
AFE7950-SEP

		Rx_15dB_Vmax_Snr_C6				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		51	51			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	62.100	62.100	0.000	0.00%	0.00%
0	C2	59.200	62.000	-2.800	-4.73%	5.71%
0	C3	62.300	59.200	3.100	4.98%	6.33%
0	C4	62.400	62.300	0.100	0.16%	0.20%
0	C5	62.000	62.100	-0.100	-0.16%	0.20%
30	1	62.600	62.600	0.000	0.00%	0.00%
30	2	61.600	62.000	-0.400	-0.65%	0.82%
30	3	56.800	59.900	-3.100	-5.46%	6.33%
30	4	59.400	57.100	2.300	3.87%	4.69%
30	5	62.100	62.200	-0.100	-0.16%	0.20%
	Max	62.600	62.600	3.100	4.98%	6.33%
	Average	61.050	61.150	-0.100	-0.22%	2.45%
	Min	56.800	57.100	-3.100	-5.46%	0.00%
	Std Dev	1.927	1.812	1.899	3.20%	2.90%

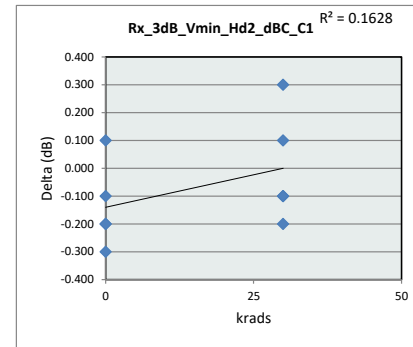


		Rx_15dB_Vmax_Snr_C6	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		51	dB
	krads	0	30
LL		51.000	51.000
Min		59.200	57.100
Average		61.540	60.760
Max		62.300	62.600
UL		100.000	100.000

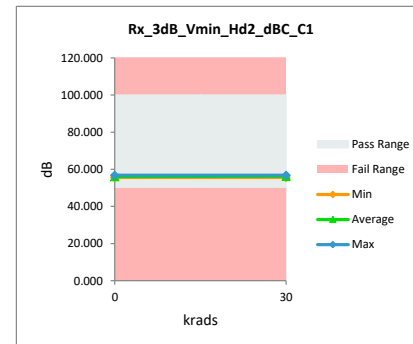


TID Report
AFE7950-SEP

		Rx_3dB_Vmin_Hd2_dBC_C1				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		50	50			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	55.700	56.000	-0.300	-0.54%	0.60%
0	C2	55.900	55.800	0.100	0.18%	0.20%
0	C3	55.900	56.100	-0.200	-0.36%	0.40%
0	C4	56.600	56.800	-0.200	-0.35%	0.40%
0	C5	55.500	55.600	-0.100	-0.18%	0.20%
30	1	56.600	56.800	-0.200	-0.35%	0.40%
30	2	55.500	55.600	-0.100	-0.18%	0.20%
30	3	56.500	56.200	0.300	0.53%	0.60%
30	4	56.400	56.300	0.100	0.18%	0.20%
30	5	56.300	56.400	-0.100	-0.18%	0.20%
	Max	56.600	56.800	0.300	0.53%	0.60%
	Average	56.090	56.160	-0.070	-0.13%	0.34%
	Min	55.500	55.600	-0.300	-0.54%	0.20%
	Std Dev	0.441	0.433	0.183	0.33%	0.16%

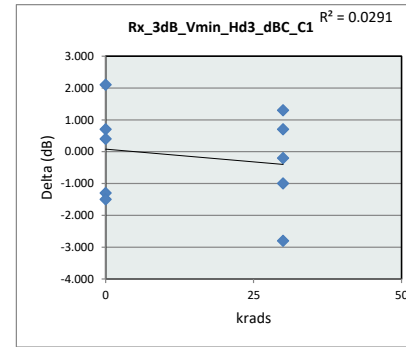


		Rx_3dB_Vmin_Hd2_dBC_C1	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		50	dB
	krads	0	30
LL		50.000	50.000
Min		55.600	55.600
Average		56.060	56.260
Max		56.800	56.800
UL		100.000	100.000

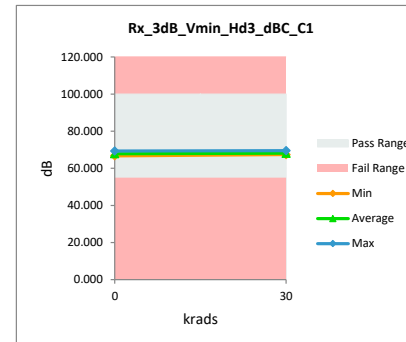


TID Report
AFE7950-SEP

		Rx_3dB_Vmin_Hd3_dBC_C1				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		55	55			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	68.000	69.300	-1.300	-1.91%	2.89%
0	C2	69.300	67.200	2.100	3.03%	4.67%
0	C3	67.600	69.100	-1.500	-2.22%	3.33%
0	C4	67.600	66.900	0.700	1.04%	1.56%
0	C5	67.100	66.700	0.400	0.60%	0.89%
30	1	67.500	67.700	-0.200	-0.30%	0.44%
30	2	68.500	67.800	0.700	1.02%	1.56%
30	3	68.700	67.400	1.300	1.89%	2.89%
30	4	66.700	69.500	-2.800	-4.20%	6.22%
30	5	67.300	68.300	-1.000	-1.49%	2.22%
	Max	69.300	69.500	2.100	3.03%	6.22%
	Average	67.830	67.990	-0.160	-0.25%	2.67%
	Min	66.700	66.700	-2.800	-4.20%	0.44%
	Std Dev	0.796	1.015	1.483	2.19%	1.76%

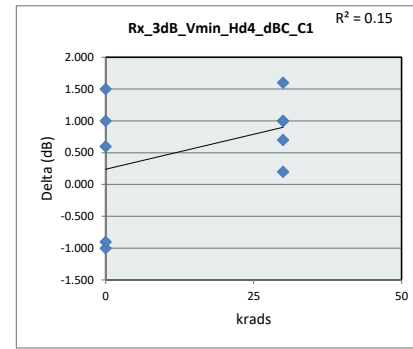


		Rx_3dB_Vmin_Hd3_dBC_C1	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		55	dB
	krads	0	30
LL		55.000	55.000
Min		66.700	67.400
Average		67.840	68.140
Max		69.300	69.500
UL		100.000	100.000

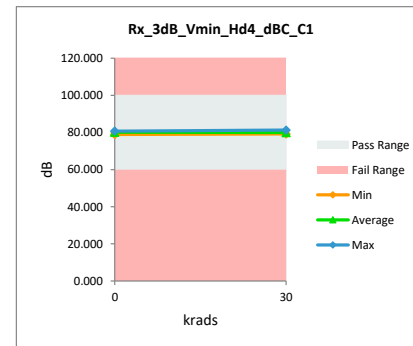


TID Report
AFE7950-SEP

		Rx_3dB_Vmin_Hd4_dBC_C1				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		60	60			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	79.900	78.900	1.000	1.25%	2.50%
0	C2	82.100	80.600	1.500	1.83%	3.75%
0	C3	79.600	80.600	-1.000	-1.26%	2.50%
0	C4	79.800	80.700	-0.900	-1.13%	2.25%
0	C5	80.500	79.900	0.600	0.75%	1.50%
30	1	80.400	80.200	0.200	0.25%	0.50%
30	2	82.300	81.300	1.000	1.22%	2.50%
30	3	80.800	79.200	1.600	1.98%	4.00%
30	4	80.500	79.500	1.000	1.24%	2.50%
30	5	80.300	79.600	0.700	0.87%	1.75%
	Max	82.300	81.300	1.000	1.98%	4.00%
	Average	80.620	80.050	0.570	0.70%	2.38%
	Min	79.600	78.900	-1.000	-1.26%	0.50%
	Std Dev	0.910	0.759	0.898	1.11%	1.02%

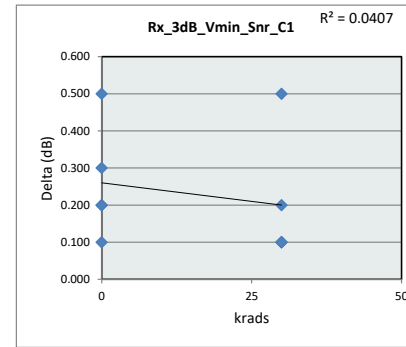


		Rx_3dB_Vmin_Hd4_dBC_C1	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		60	dB
	krads	0	30
LL		60.000	60.000
Min		78.900	79.200
Average		80.140	79.960
Max		80.700	81.300
UL		100.000	100.000



TID Report
AFE7950-SEP

		Rx_3dB_Vmin_Snr_C1				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		51	51			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	58.900	58.800	0.100	0.17%	0.20%
0	C2	58.900	58.700	0.200	0.34%	0.41%
0	C3	59.200	59.000	0.200	0.34%	0.41%
0	C4	59.300	58.800	0.500	0.84%	1.02%
0	C5	58.800	58.500	0.300	0.51%	0.61%
30	1	58.900	58.800	0.100	0.17%	0.20%
30	2	58.900	58.700	0.200	0.34%	0.41%
30	3	58.800	58.700	0.100	0.17%	0.20%
30	4	59.200	58.700	0.500	0.84%	1.02%
30	5	59.000	58.900	0.100	0.17%	0.20%
	Max	59.300	59.000	0.500	0.84%	1.02%
	Average	58.990	58.760	0.230	0.39%	0.47%
	Min	58.800	58.500	0.100	0.17%	0.20%
	Std Dev	0.179	0.135	0.157	0.26%	0.32%

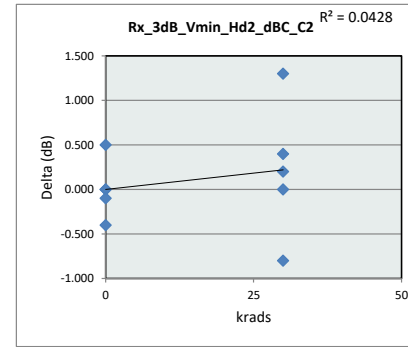


		Rx_3dB_Vmin_Snr_C1	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		51	dB
	krads	0	30
LL		51.000	51.000
Min		58.500	58.700
Average		58.760	58.760
Max		59.000	58.900
UL		100.000	100.000

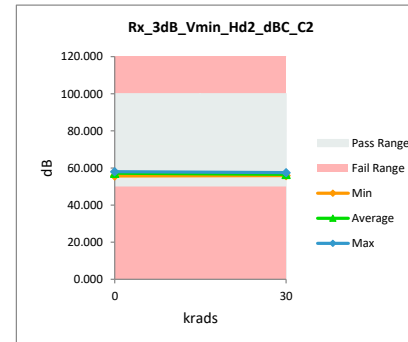


TID Report
AFE7950-SEP

		Rx_3dB_Vmin_Hd2_dBC_C2				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		50	50			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	58.000	58.000	0.000	0.00%	0.00%
0	C2	57.100	57.500	-0.400	-0.70%	0.80%
0	C3	57.600	57.100	0.500	0.87%	1.00%
0	C4	57.600	57.600	0.000	0.00%	0.00%
0	C5	55.600	55.700	-0.100	-0.18%	0.20%
30	1	57.000	57.000	0.000	0.00%	0.00%
30	2	56.200	56.000	0.200	0.36%	0.40%
30	3	56.700	57.500	-0.800	-1.41%	1.60%
30	4	57.800	56.500	1.300	2.25%	2.60%
30	5	56.300	55.900	0.400	0.71%	0.80%
	Max	58.000	58.000	1.300	2.25%	2.60%
	Average	56.990	56.880	0.110	0.19%	0.74%
	Min	55.600	55.700	-0.800	-1.41%	0.00%
	Std Dev	0.785	0.808	0.561	0.98%	0.84%

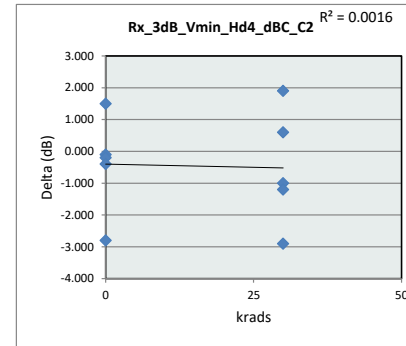


		Rx_3dB_Vmin_Hd2_dBC_C2	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		50	dB
	krads	0	30
LL		50.000	50.000
Min		55.700	55.900
Average		57.180	56.580
Max		58.000	57.500
UL		100.000	100.000

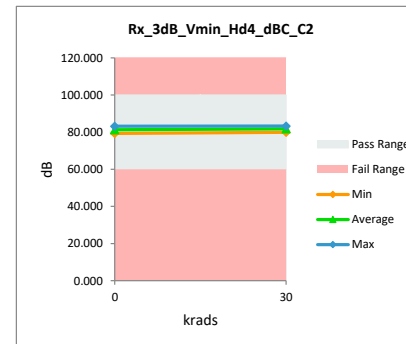


TID Report
AFE7950-SEP

		Rx_3dB_Vmin_Hd4_dBC_C2				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		60	60			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	80.800	79.300	1.500	1.86%	3.75%
0	C2	80.900	81.000	-0.100	-0.12%	0.25%
0	C3	80.100	80.300	-0.200	-0.25%	0.50%
0	C4	82.300	82.700	-0.400	-0.49%	1.00%
0	C5	80.400	83.200	-2.800	-3.48%	7.00%
30	1	82.300	83.300	-1.000	-1.22%	2.50%
30	2	80.400	81.600	-1.200	-1.49%	3.00%
30	3	80.400	83.300	-2.900	-3.61%	7.25%
30	4	82.700	80.800	1.900	2.30%	4.75%
30	5	80.500	79.900	0.600	0.75%	1.50%
	Max	82.700	83.300	1.900	2.30%	7.25%
	Average	81.080	81.540	-0.460	-0.58%	3.15%
	Min	80.100	79.300	-2.900	-3.61%	0.25%
	Std Dev	0.966	1.505	1.599	1.98%	2.53%

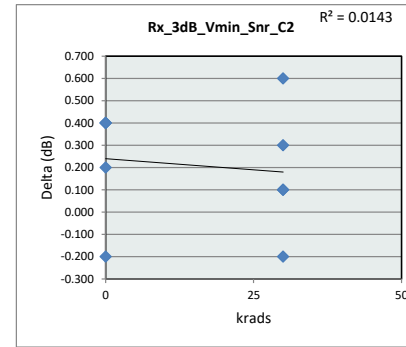


		Rx_3dB_Vmin_Hd4_dBC_C2	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		60	dB
	krads	0	30
LL		60.000	60.000
Min		79.300	79.900
Average		81.300	81.780
Max		83.200	83.300
UL		100.000	100.000

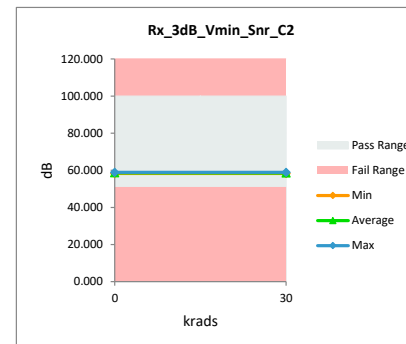


TID Report
AFE7950-SEP

		Rx_3dB_Vmin_Snr_C2				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		51	51			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	58.900	58.500	0.400	0.68%	0.82%
0	C2	58.800	58.600	0.200	0.34%	0.41%
0	C3	58.700	58.900	-0.200	-0.34%	0.41%
0	C4	59.300	58.900	0.400	0.67%	0.82%
0	C5	58.700	58.300	0.400	0.68%	0.82%
30	1	59.000	58.900	0.100	0.17%	0.20%
30	2	58.600	58.500	0.100	0.17%	0.20%
30	3	58.500	58.700	-0.200	-0.34%	0.41%
30	4	59.000	58.400	0.600	1.02%	1.22%
30	5	58.600	58.300	0.300	0.51%	0.61%
	Max	59.300	58.900	0.600	1.02%	1.22%
	Average	58.810	58.600	0.210	0.36%	0.59%
	Min	58.500	58.300	-0.200	-0.34%	0.20%
	Std Dev	0.242	0.240	0.264	0.45%	0.33%

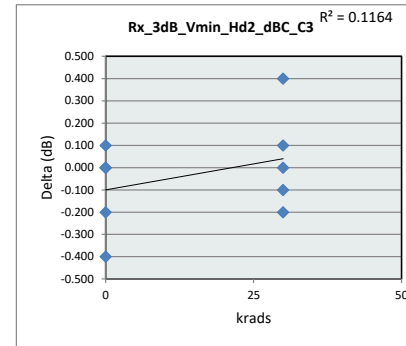


		Rx_3dB_Vmin_Snr_C2	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		51	dB
	krads	0	30
LL		51.000	51.000
Min		58.300	58.300
Average		58.640	58.560
Max		58.900	58.900
UL		100.000	100.000

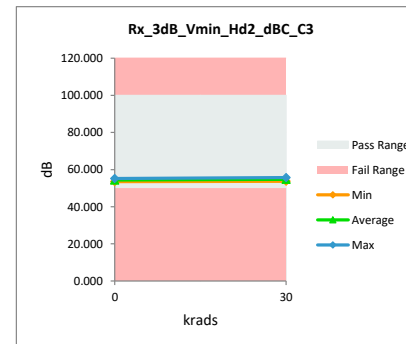


TID Report
AFE7950-SEP

		Rx_3dB_Vmin_Hd2_dBC_C3				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		50	50			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	54.400	54.300	0.100	0.18%	0.20%
0	C2	54.800	55.200	-0.400	-0.73%	0.80%
0	C3	54.900	54.900	0.000	0.00%	0.00%
0	C4	54.100	54.100	0.000	0.00%	0.00%
0	C5	53.300	53.500	-0.200	-0.38%	0.40%
30	1	55.300	55.300	0.000	0.00%	0.00%
30	2	54.900	55.000	-0.100	-0.18%	0.20%
30	3	53.800	54.000	-0.200	-0.37%	0.40%
30	4	54.100	53.700	0.400	0.74%	0.80%
30	5	55.800	55.700	0.100	0.18%	0.20%
	Max	55.800	55.700	0.400	0.74%	0.80%
	Average	54.540	54.570	-0.030	-0.06%	0.30%
	Min	53.300	53.500	-0.400	-0.73%	0.00%
	Std Dev	0.744	0.747	0.216	0.40%	0.30%

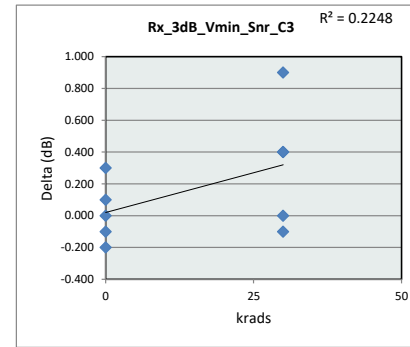


		Rx_3dB_Vmin_Hd2_dBC_C3	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		50	dB
	krads	0	30
LL		50.000	50.000
Min		53.500	53.700
Average		54.400	54.740
Max		55.200	55.700
UL		100.000	100.000

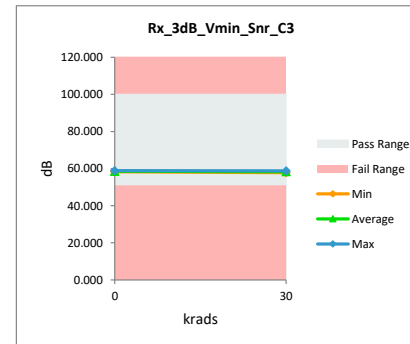


TID Report
AFE7950-SEP

		Rx_3dB_Vmin_Snr_C3				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		51	51			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	58.500	58.500	0.000	0.00%	0.00%
0	C2	59.000	58.700	0.300	0.51%	0.61%
0	C3	58.700	58.900	-0.200	-0.34%	0.41%
0	C4	58.600	58.500	0.100	0.17%	0.20%
0	C5	58.200	58.300	-0.100	-0.17%	0.20%
30	1	58.900	58.500	0.400	0.68%	0.82%
30	2	58.800	58.800	0.000	0.00%	0.00%
30	3	58.400	58.000	0.400	0.68%	0.82%
30	4	58.700	57.800	0.900	1.53%	1.84%
30	5	58.300	58.400	-0.100	-0.17%	0.20%
	Max	59.000	58.900	0.900	1.53%	1.84%
	Average	58.610	58.440	0.170	0.29%	0.51%
	Min	58.200	57.800	-0.200	-0.34%	0.00%
	Std Dev	0.260	0.341	0.334	0.57%	0.55%

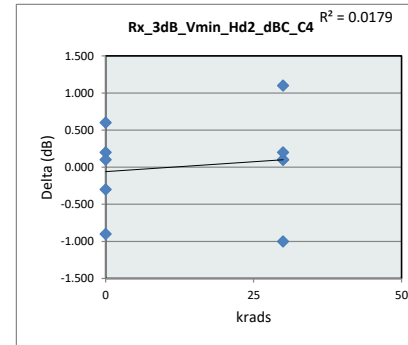


		Rx_3dB_Vmin_Snr_C3	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		51	dB
	krads	0	30
LL		51.000	51.000
Min		58.300	57.800
Average		58.580	58.300
Max		58.900	58.800
UL		100.000	100.000

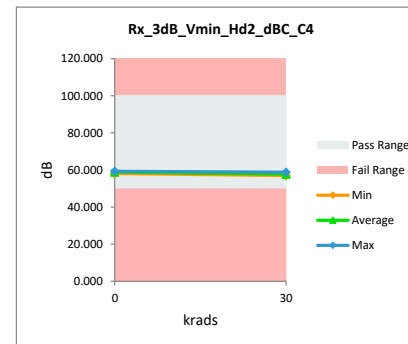


TID Report
AFE7950-SEP

		Rx_3dB_Vmin_Hd2_dBC_C4				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		50	50			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	59.500	59.300	0.200	0.34%	0.40%
0	C2	58.100	59.000	-0.900	-1.55%	1.80%
0	C3	58.700	58.100	0.600	1.02%	1.20%
0	C4	59.100	59.000	0.100	0.17%	0.20%
0	C5	58.700	59.000	-0.300	-0.51%	0.60%
30	1	58.900	58.800	0.100	0.17%	0.20%
30	2	57.300	57.200	0.100	0.17%	0.20%
30	3	58.100	57.000	1.100	1.89%	2.20%
30	4	57.200	58.200	-1.000	-1.75%	2.00%
30	5	57.900	57.700	0.200	0.35%	0.40%
	Max	59.500	59.300	1.100	1.89%	2.20%
	Average	58.350	58.330	0.020	0.03%	0.92%
	Min	57.200	57.000	-1.000	-1.75%	2.00%
	Std Dev	0.759	0.818	0.630	1.09%	0.81%

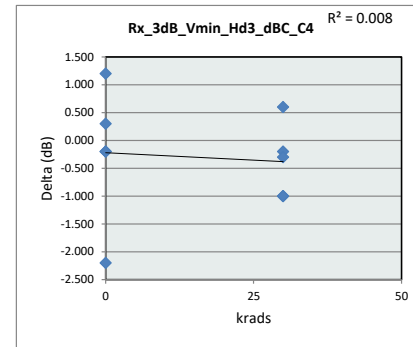


		Rx_3dB_Vmin_Hd2_dBC_C4	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		50	dB
	krads	0	30
LL		50.000	50.000
Min		58.100	57.000
Average		58.880	57.780
Max		59.300	58.800
UL		100.000	100.000

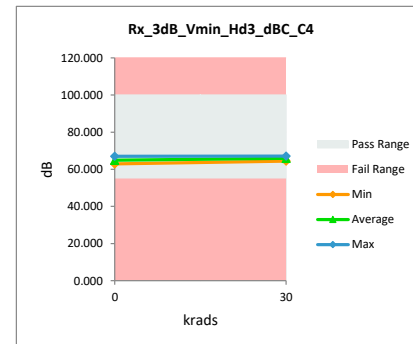


TID Report
AFE7950-SEP

		Rx_3dB_Vmin_Hd3_dBC_C4				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		55	55			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	62.700	62.900	-0.200	-0.32%	0.44%
0	C2	67.100	65.900	1.200	1.79%	2.67%
0	C3	64.800	67.000	-2.200	-3.40%	4.89%
0	C4	65.600	65.300	0.300	0.46%	0.67%
0	C5	63.100	63.300	-0.200	-0.32%	0.44%
30	1	64.200	64.400	-0.200	-0.31%	0.44%
30	2	65.200	66.200	-1.000	-1.53%	2.22%
30	3	65.800	66.100	-0.300	-0.46%	0.67%
30	4	66.300	65.700	0.600	0.90%	1.33%
30	5	66.100	67.100	-1.000	-1.51%	2.22%
	Max	67.100	67.100	1.200	1.79%	4.89%
	Average	65.090	65.390	-0.300	-0.47%	1.60%
	Min	62.700	62.900	-2.200	-3.40%	0.44%
	Std Dev	1.408	1.437	0.945	1.44%	1.44%

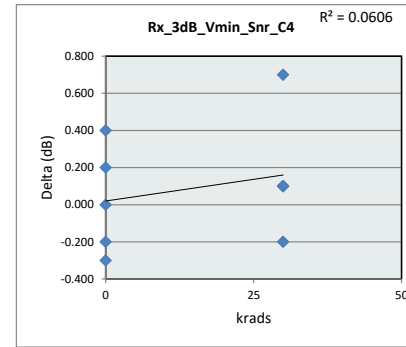


		Rx_3dB_Vmin_Hd3_dBC_C4	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		55	dB
	krads	0	30
LL		55.000	55.000
Min		62.900	64.400
Average		64.880	65.900
Max		67.000	67.100
UL		100.000	100.000

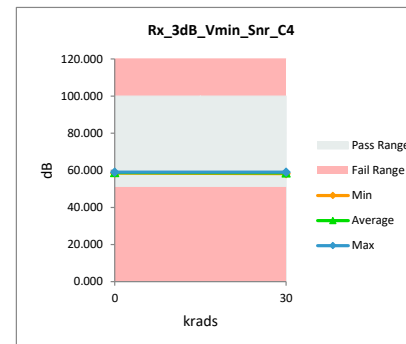


TID Report
AFE7950-SEP

		Rx_3dB_Vmin_Snr_C4				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		51	51			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	59.200	59.000	0.200	0.34%	0.41%
0	C2	59.100	58.700	0.400	0.68%	0.82%
0	C3	58.600	58.900	-0.300	-0.51%	0.61%
0	C4	58.500	58.700	-0.200	-0.34%	0.41%
0	C5	58.500	58.500	0.000	0.00%	0.00%
30	1	59.100	59.000	0.100	0.17%	0.20%
30	2	58.800	58.700	0.100	0.17%	0.20%
30	3	58.900	58.200	0.700	1.19%	1.43%
30	4	58.600	58.500	0.100	0.17%	0.20%
30	5	58.500	58.700	-0.200	-0.34%	0.41%
	Max	59.200	59.000	0.700	1.19%	1.43%
	Average	58.780	58.690	0.090	0.15%	0.47%
	Min	58.500	58.200	-0.300	-0.51%	0.00%
	Std Dev	0.278	0.247	0.300	0.51%	0.41%

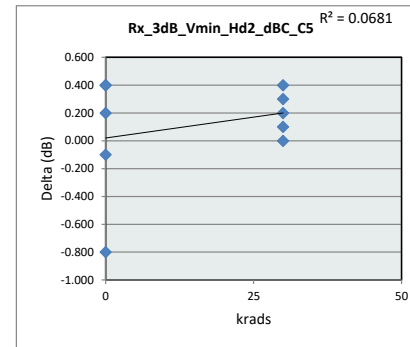


		Rx_3dB_Vmin_Snr_C4	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		51	dB
	krads	0	30
LL		51.000	51.000
Min		58.500	58.200
Average		58.760	58.620
Max		59.000	59.000
UL		100.000	100.000

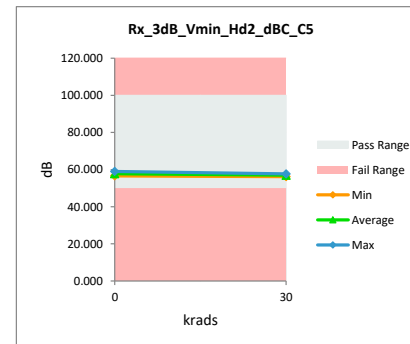


TID Report
AFE7950-SEP

		Rx_3dB_Vmin_Hd2_dBC_C5				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit			dB			
Max Limit		100	100			
Min Limit		50	50			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	58.900	59.000	-0.100	-0.17%	0.20%
0	C2	57.900	57.500	0.400	0.69%	0.80%
0	C3	57.400	58.200	-0.800	-1.39%	1.60%
0	C4	57.800	57.600	0.200	0.35%	0.40%
0	C5	57.000	56.600	0.400	0.70%	0.80%
30	1	56.400	56.200	0.200	0.35%	0.40%
30	2	57.400	57.000	0.400	0.70%	0.80%
30	3	57.300	57.000	0.300	0.52%	0.60%
30	4	57.200	57.100	0.100	0.17%	0.20%
30	5	57.700	57.700	0.000	0.00%	0.00%
	Max	58.900	59.000	0.400	0.70%	1.60%
	Average	57.500	57.390	0.110	0.19%	0.58%
	Min	56.400	56.200	-0.800	-1.39%	0.00%
	Std Dev	0.655	0.805	0.363	0.63%	0.46%

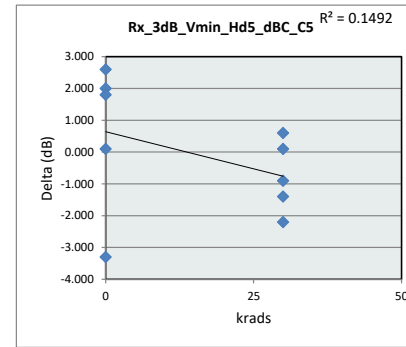


		Rx_3dB_Vmin_Hd2_dBC_C5	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		50	dB
	krads	0	30
LL		50.000	50.000
Min		56.600	56.200
Average		57.780	57.000
Max		59.000	57.700
UL		100.000	100.000

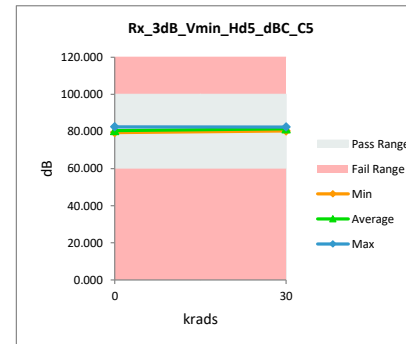


TID Report
AFE7950-SEP

		Rx_3dB_Vmin_Hd5_dBC_C5				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		60	60			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	81.700	79.700	2.000	2.45%	5.00%
0	C2	82.300	80.500	1.800	2.19%	4.50%
0	C3	82.000	79.400	2.600	3.17%	6.50%
0	C4	80.400	80.300	0.100	0.12%	0.25%
0	C5	79.200	82.500	-3.300	-4.17%	8.25%
30	1	81.400	81.300	0.100	0.12%	0.25%
30	2	80.900	80.300	0.600	0.74%	1.50%
30	3	80.600	82.000	-1.400	-1.74%	3.50%
30	4	80.200	82.400	-2.200	-2.74%	5.50%
30	5	80.300	81.200	-0.900	-1.12%	2.25%
	Max	82.300	82.500	2.600	3.17%	8.25%
	Average	80.900	80.960	-0.060	-0.10%	3.75%
	Min	79.200	79.400	-3.300	-4.17%	0.25%
	Std Dev	0.951	1.096	1.910	2.37%	2.68%

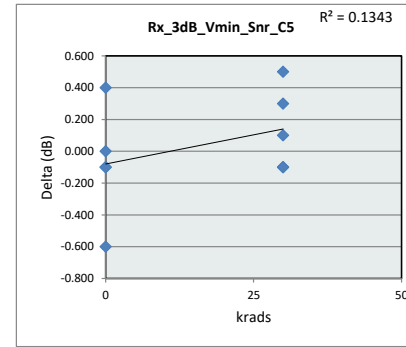


		Rx_3dB_Vmin_Hd5_dBC_C5	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		60	dB
	krads	0	30
LL		60.000	60.000
Min		79.400	80.300
Average		80.480	81.440
Max		82.500	82.400
UL		100.000	100.000

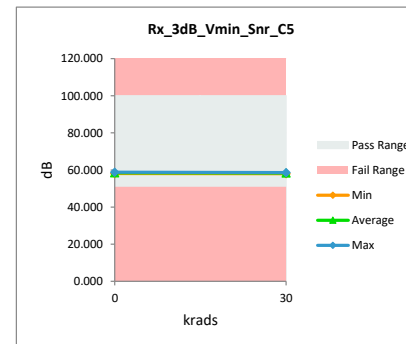


TID Report
AFE7950-SEP

		Rx_3dB_Vmin_Snr_C5				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		51	51			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	58.400	58.500	-0.100	-0.17%	0.20%
0	C2	58.200	58.800	-0.600	-1.03%	1.22%
0	C3	58.700	58.300	0.400	0.68%	0.82%
0	C4	58.700	58.800	-0.100	-0.17%	0.20%
0	C5	58.100	58.100	0.000	0.00%	0.00%
30	1	58.500	58.600	-0.100	-0.17%	0.20%
30	2	58.300	58.400	-0.100	-0.17%	0.20%
30	3	58.800	58.500	0.300	0.51%	0.61%
30	4	58.500	58.000	0.500	0.85%	1.02%
30	5	58.500	58.400	0.100	0.17%	0.20%
	Max	58.800	58.800	0.500	0.85%	1.22%
	Average	58.470	58.440	0.030	0.05%	0.47%
	Min	58.100	58.000	-0.600	-1.03%	0.00%
	Std Dev	0.226	0.263	0.316	0.54%	0.42%

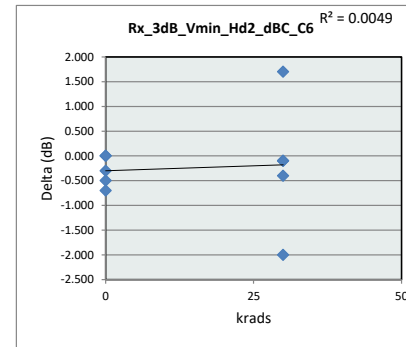


		Rx_3dB_Vmin_Snr_C5	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		51	dB
	krads	0	30
LL		51.000	51.000
Min		58.100	58.000
Average		58.500	58.380
Max		58.800	58.600
UL		100.000	100.000

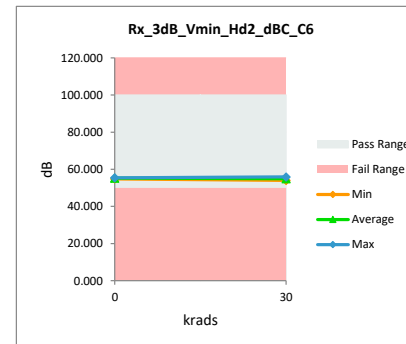


TID Report
AFE7950-SEP

		Rx_3dB_Vmin_Hd2_dBC_C6				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		50	50			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	54.900	55.200	-0.300	-0.55%	0.60%
0	C2	55.300	55.300	0.000	0.00%	0.00%
0	C3	55.400	55.400	0.000	0.00%	0.00%
0	C4	54.300	54.800	-0.500	-0.92%	1.00%
0	C5	54.700	55.400	-0.700	-1.28%	1.40%
30	1	55.100	55.200	-0.100	-0.18%	0.20%
30	2	54.000	54.400	-0.400	-0.74%	0.80%
30	3	53.900	55.900	-2.000	-3.71%	4.00%
30	4	55.700	54.000	1.700	3.05%	3.40%
30	5	54.900	55.000	-0.100	-0.18%	0.20%
	Max	55.700	55.900	1.700	3.05%	4.00%
	Average	54.820	55.060	-0.240	-0.45%	1.16%
	Min	53.900	54.000	-2.000	-3.71%	0.00%
	Std Dev	0.600	0.544	0.902	1.65%	1.42%

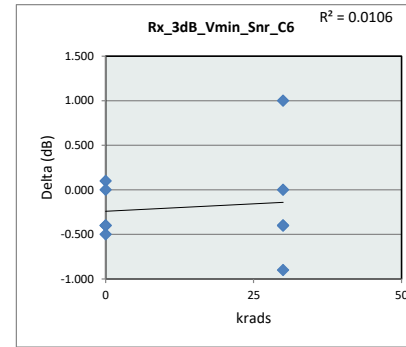


		Rx_3dB_Vmin_Hd2_dBC_C6	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		50	dB
	krads	0	30
LL		50.000	50.000
Min		54.800	54.000
Average		55.220	54.900
Max		55.400	55.900
UL		100.000	100.000

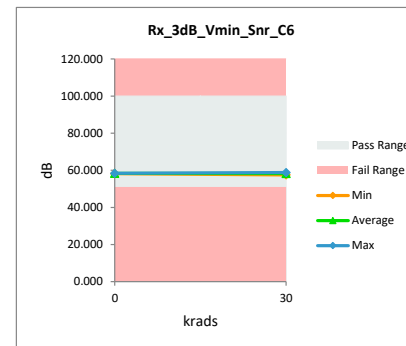


TID Report
AFE7950-SEP

		Rx_3dB_Vmin_Snr_C6				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		51	51			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	58.400	58.300	0.100	0.17%	0.20%
0	C2	57.900	58.400	-0.500	-0.86%	1.02%
0	C3	58.300	58.300	0.000	0.00%	0.00%
0	C4	58.000	58.400	-0.400	-0.69%	0.82%
0	C5	57.800	58.200	-0.400	-0.69%	0.82%
30	1	58.800	58.800	0.000	0.00%	0.00%
30	2	57.800	58.200	-0.400	-0.69%	0.82%
30	3	57.500	58.400	-0.900	-1.57%	1.84%
30	4	58.500	57.500	1.000	1.71%	2.04%
30	5	57.900	58.300	-0.400	-0.69%	0.82%
	Max	58.800	58.800	1.000	1.71%	2.04%
	Average	58.090	58.280	-0.190	-0.33%	0.84%
	Min	57.500	57.500	-0.900	-1.57%	0.00%
	Std Dev	0.396	0.322	0.511	0.88%	0.69%

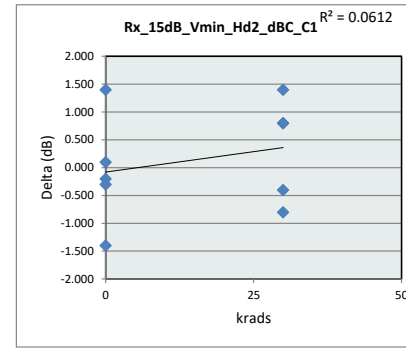


		Rx_3dB_Vmin_Snr_C6	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		51	dB
	krads	0	30
LL		51.000	51.000
Min		58.200	57.500
Average		58.320	58.240
Max		58.400	58.800
UL		100.000	100.000

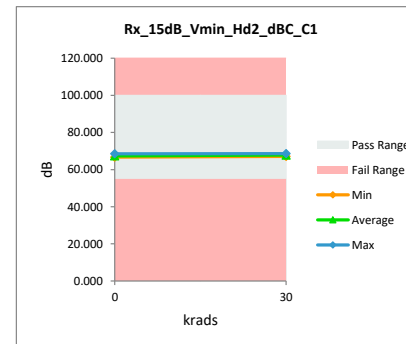


TID Report
AFE7950-SEP

		Rx_15dB_Vmin_Hd2_dBC_C1				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		55	55			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	66.400	67.800	-1.400	-2.11%	3.11%
0	C2	68.200	66.800	1.400	2.05%	3.11%
0	C3	66.800	67.000	-0.200	-0.30%	0.44%
0	C4	68.200	68.500	-0.300	-0.44%	0.67%
0	C5	66.800	66.700	0.100	0.15%	0.22%
30	1	68.800	68.000	0.800	1.16%	1.78%
30	2	68.500	67.100	1.400	2.04%	3.11%
30	3	68.000	67.200	0.800	1.18%	1.78%
30	4	67.800	68.200	-0.400	-0.59%	0.89%
30	5	67.800	68.600	-0.800	-1.18%	1.78%
	Max	68.800	68.600	1.400	2.05%	3.11%
	Average	67.730	67.590	0.140	0.20%	1.69%
	Min	66.400	66.700	-1.400	-2.11%	0.22%
	Std Dev	0.800	0.714	0.937	1.38%	1.13%

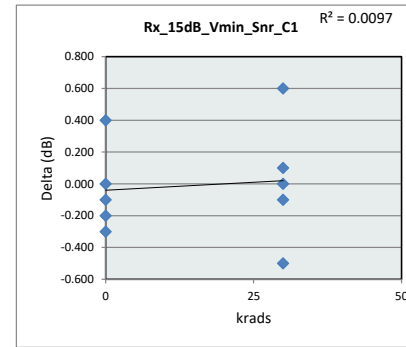


		Rx_15dB_Vmin_Hd2_dBC_C1	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		55	dB
	krads	0	30
LL		55.000	55.000
Min		66.700	67.100
Average		67.360	67.820
Max		68.500	68.600
UL		100.000	100.000

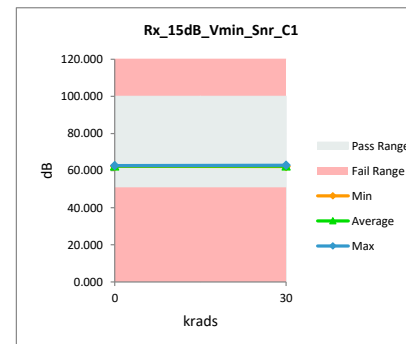


TID Report
AFE7950-SEP

		Rx_15dB_Vmin_Snr_C1				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		51	51			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	62.200	62.400	-0.200	-0.32%	0.41%
0	C2	62.700	62.300	0.400	0.64%	0.82%
0	C3	62.400	62.500	-0.100	-0.16%	0.20%
0	C4	62.700	62.700	0.000	0.00%	0.00%
0	C5	62.200	62.500	-0.300	-0.48%	0.61%
30	1	62.700	62.700	0.000	0.00%	0.00%
30	2	62.300	62.200	0.100	0.16%	0.20%
30	3	62.900	62.300	0.600	0.95%	1.22%
30	4	62.400	62.900	-0.500	-0.80%	1.02%
30	5	62.100	62.200	-0.100	-0.16%	0.20%
	Max	62.900	62.900	0.600	0.95%	1.22%
	Average	62.460	62.470	-0.010	-0.02%	0.47%
	Min	62.100	62.200	-0.500	-0.80%	0.00%
	Std Dev	0.272	0.236	0.321	0.51%	0.43%

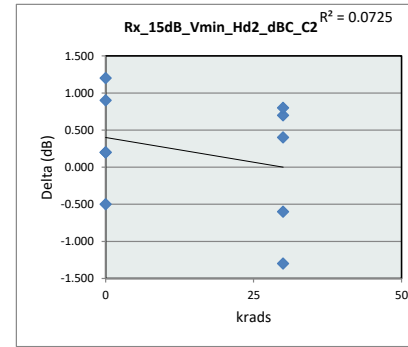


		Rx_15dB_Vmin_Snr_C1	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		51	dB
	krads	0	30
LL		51.000	51.000
Min		62.300	62.200
Average		62.480	62.460
Max		62.700	62.900
UL		100.000	100.000

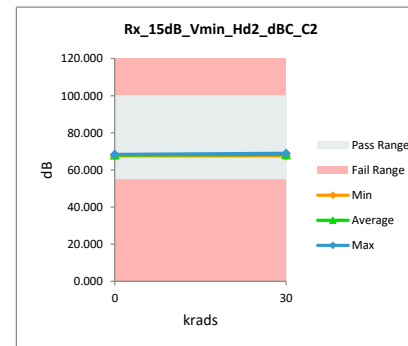


TID Report
AFE7950-SEP

		Rx_15dB_Vmin_Hd2_dBC_C2				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		55	55			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	69.500	68.300	1.200	1.73%	2.67%
0	C2	67.800	67.600	0.200	0.29%	0.44%
0	C3	69.200	68.300	0.900	1.30%	2.00%
0	C4	68.100	67.900	0.200	0.29%	0.44%
0	C5	67.900	68.400	-0.500	-0.74%	1.11%
30	1	69.400	69.000	0.400	0.58%	0.89%
30	2	66.800	68.100	-1.300	-1.95%	2.89%
30	3	68.400	69.000	-0.600	-0.88%	1.33%
30	4	68.700	68.000	0.700	1.02%	1.56%
30	5	68.400	67.600	0.800	1.17%	1.78%
	Max	69.500	69.000	1.200	1.73%	2.89%
	Average	68.420	68.220	0.200	0.28%	1.51%
	Min	66.800	67.600	-1.300	-1.95%	0.44%
	Std Dev	0.830	0.494	0.783	1.15%	0.84%

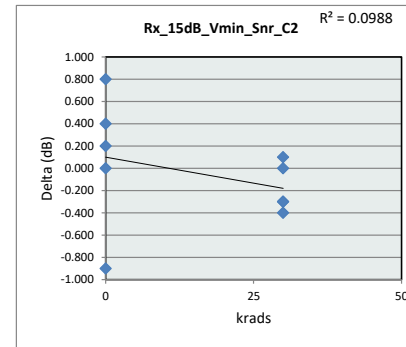


		Rx_15dB_Vmin_Hd2_dBC_C2	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		55	dB
	krads	0	30
LL		55.000	55.000
Min		67.600	67.600
Average		68.100	68.340
Max		68.400	69.000
UL		100.000	100.000

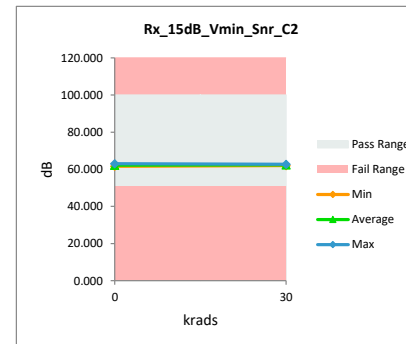


TID Report
AFE7950-SEP

		Rx_15dB_Vmin_Snr_C2				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		51	51			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	62.200	62.000	0.200	0.32%	0.41%
0	C2	62.800	62.000	0.800	1.27%	1.63%
0	C3	62.100	63.000	-0.900	-1.45%	1.84%
0	C4	62.400	62.400	0.000	0.00%	0.00%
0	C5	62.000	61.600	0.400	0.65%	0.82%
30	1	62.700	62.600	0.100	0.16%	0.20%
30	2	61.900	62.200	-0.300	-0.48%	0.61%
30	3	62.200	62.500	-0.300	-0.48%	0.61%
30	4	62.300	62.700	-0.400	-0.64%	0.82%
30	5	62.000	62.000	0.000	0.00%	0.00%
	Max	62.800	63.000	0.800	1.27%	1.84%
	Average	62.260	62.300	-0.040	-0.07%	0.69%
	Min	61.900	61.600	-0.900	-1.45%	0.00%
	Std Dev	0.299	0.416	0.470	0.75%	0.62%

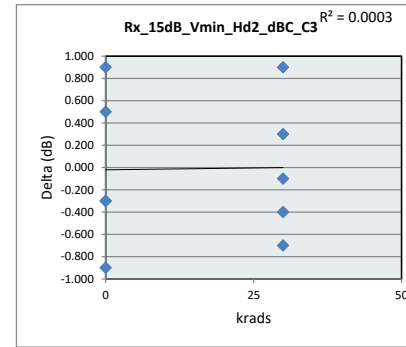


		Rx_15dB_Vmin_Snr_C2	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		51	dB
	krads	0	30
LL		51.000	51.000
Min		61.600	62.000
Average		62.200	62.400
Max		63.000	62.700
UL		100.000	100.000

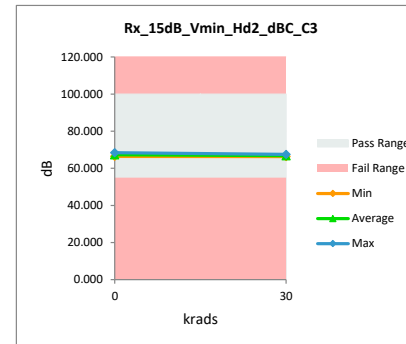


TID Report
AFE7950-SEP

		Rx_15dB_Vmin_Hd2_dBC_C3				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		55	55			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	66.900	67.200	-0.300	-0.45%	0.67%
0	C2	66.900	66.400	0.500	0.75%	1.11%
0	C3	66.600	66.900	-0.300	-0.45%	0.67%
0	C4	67.500	68.400	-0.900	-1.33%	2.00%
0	C5	68.500	67.600	0.900	1.31%	2.00%
30	1	67.200	66.300	0.900	1.34%	2.00%
30	2	66.700	66.400	0.300	0.45%	0.67%
30	3	66.800	66.900	-0.100	-0.15%	0.22%
30	4	66.500	66.900	-0.400	-0.60%	0.89%
30	5	66.800	67.500	-0.700	-1.05%	1.56%
	Max	68.500	68.400	0.900	1.34%	2.00%
	Average	67.040	67.050	-0.010	-0.02%	1.18%
	Min	66.500	66.300	-0.900	-1.33%	0.22%
	Std Dev	0.589	0.652	0.633	0.94%	0.66%

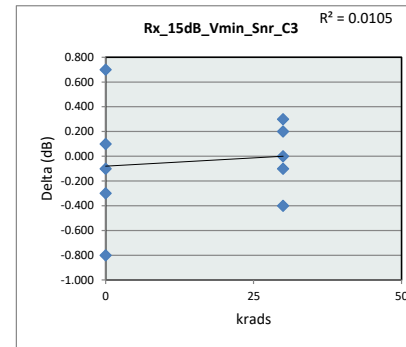


		Rx_15dB_Vmin_Hd2_dBC_C3	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		55	dB
	krads	0	30
LL		55.000	55.000
Min		66.400	66.300
Average		67.300	66.800
Max		68.400	67.500
UL		100.000	100.000

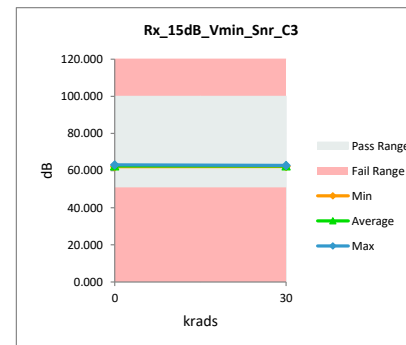


TID Report
AFE7950-SEP

		Rx_15dB_Vmin_Snr_C3				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		51	51			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	62.200	62.500	-0.300	-0.48%	0.61%
0	C2	62.800	62.100	0.700	1.11%	1.43%
0	C3	62.300	63.100	-0.800	-1.28%	1.63%
0	C4	62.700	62.600	0.100	0.16%	0.20%
0	C5	62.200	62.300	-0.100	-0.16%	0.20%
30	1	62.400	62.800	-0.400	-0.64%	0.82%
30	2	62.700	62.400	0.300	0.48%	0.61%
30	3	62.800	62.600	0.200	0.32%	0.41%
30	4	62.600	62.600	0.000	0.00%	0.00%
30	5	62.100	62.200	-0.100	-0.16%	0.20%
	Max	62.800	63.100	0.700	1.11%	1.63%
	Average	62.480	62.520	-0.040	-0.07%	0.61%
	Min	62.100	62.100	-0.800	-1.28%	0.00%
	Std Dev	0.270	0.294	0.412	0.66%	0.54%

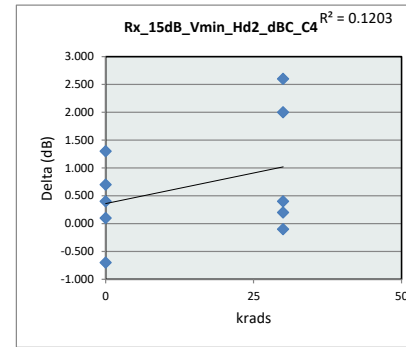


		Rx_15dB_Vmin_Snr_C3	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		51	dB
	krads	0	30
LL		51.000	51.000
Min		62.100	62.200
Average		62.520	62.520
Max		63.100	62.800
UL		100.000	100.000

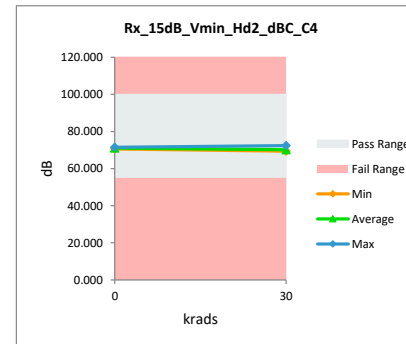


TID Report
AFE7950-SEP

		Rx_15dB_Vmin_Hd2_dBC_C4				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		55	55			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	72.500	71.200	1.300	1.79%	2.89%
0	C2	71.100	71.000	0.100	0.14%	0.22%
0	C3	69.900	70.600	-0.700	-1.00%	1.56%
0	C4	71.400	71.000	0.400	0.56%	0.89%
0	C5	72.200	71.500	0.700	0.97%	1.56%
30	1	72.300	72.400	-0.100	-0.14%	0.22%
30	2	72.000	69.400	2.600	3.61%	5.78%
30	3	71.400	69.400	2.000	2.80%	4.44%
30	4	70.400	70.000	0.400	0.57%	0.89%
30	5	69.900	69.700	0.200	0.29%	0.44%
	Max	72.500	72.400	2.600	3.61%	5.78%
	Average	71.310	70.620	0.690	0.96%	1.89%
	Min	69.900	69.400	-0.700	-1.00%	0.22%
	Std Dev	0.973	0.987	1.003	1.40%	1.90%

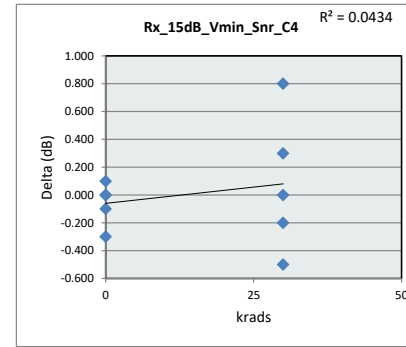


		Rx_15dB_Vmin_Hd2_dBC_C4	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		55	dB
	krads	0	30
LL		55.000	55.000
Min		70.600	69.400
Average		71.060	70.180
Max		71.500	72.400
UL		100.000	100.000

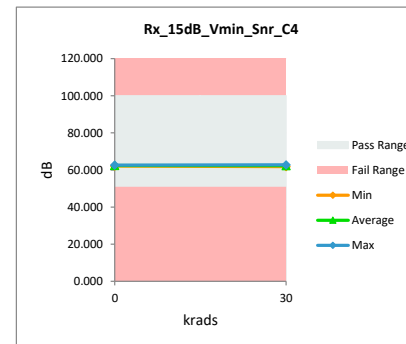


TID Report
AFE7950-SEP

		Rx_15dB_Vmin_Snr_C4				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		51	51			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	62.400	62.400	0.000	0.00%	0.00%
0	C2	62.500	62.400	0.100	0.16%	0.20%
0	C3	62.300	62.600	-0.300	-0.48%	0.61%
0	C4	62.400	62.500	-0.100	-0.16%	0.20%
0	C5	62.100	62.100	0.000	0.00%	0.00%
30	1	62.600	62.600	0.000	0.00%	0.00%
30	2	62.100	62.300	-0.200	-0.32%	0.41%
30	3	63.000	62.200	0.800	1.27%	1.63%
30	4	62.300	62.800	-0.500	-0.80%	1.02%
30	5	62.100	61.800	0.300	0.48%	0.61%
	Max	63.000	62.800	0.800	1.27%	1.63%
	Average	62.380	62.370	0.010	0.01%	0.47%
	Min	62.100	61.800	-0.500	-0.80%	0.00%
	Std Dev	0.278	0.287	0.354	0.57%	0.53%

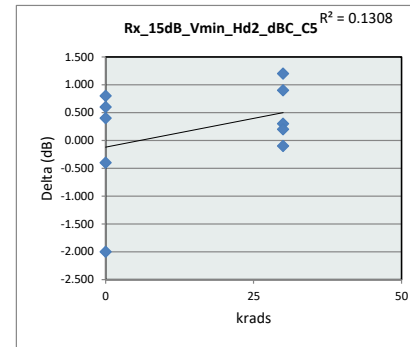


		Rx_15dB_Vmin_Snr_C4	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		51	dB
	krads	0	30
LL		51.000	51.000
Min		62.100	61.800
Average		62.400	62.340
Max		62.600	62.800
UL		100.000	100.000

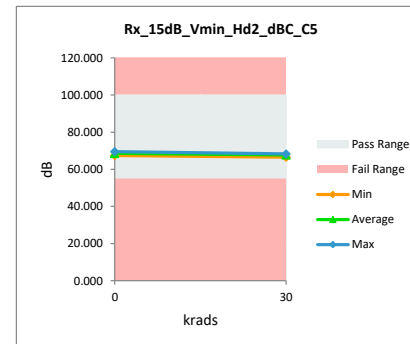


TID Report AFE7950-SEP

		Rx_15dB_Vmin_Hd2_dBC_C5				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		55	55			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	70.100	69.300	0.800	1.14%	1.78%
0	C2	68.400	68.800	-0.400	-0.58%	0.89%
0	C3	67.500	69.500	-2.000	-2.96%	4.44%
0	C4	68.300	67.900	0.400	0.59%	0.89%
0	C5	68.000	67.400	0.600	0.88%	1.33%
30	1	67.700	66.500	1.200	1.77%	2.67%
30	2	69.100	68.200	0.900	1.30%	2.00%
30	3	67.900	67.600	0.300	0.44%	0.67%
30	4	68.100	67.900	0.200	0.29%	0.44%
30	5	68.200	68.300	-0.100	-0.15%	0.22%
	Max	70.100	69.500	1.200	1.77%	4.44%
	Average	68.330	68.140	0.190	0.27%	1.53%
	Min	67.500	66.500	-2.000	-2.96%	0.22%
	Std Dev	0.759	0.901	0.904	1.33%	1.27%

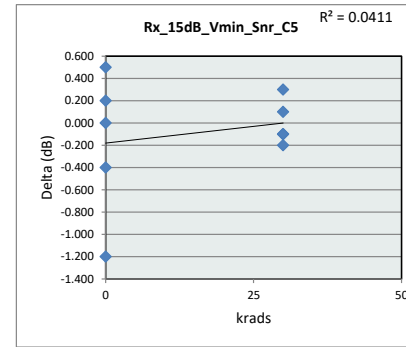


		Rx_15dB_Vmin_Hd2_dBC_C5	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		55	dB
	krads	0	30
LL		55.000	55.000
Min		67.400	66.500
Average		68.580	67.700
Max		69.500	68.300
UL		100.000	100.000

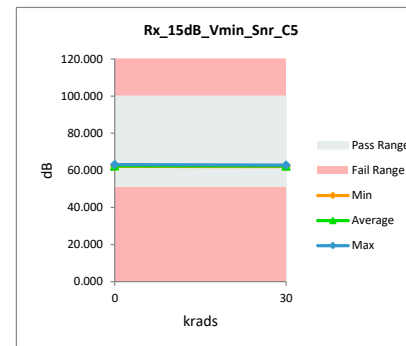


TID Report
AFE7950-SEP

		Rx_15dB_Vmin_Snr_C5				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		51	51			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	62.300	62.300	0.000	0.00%	0.00%
0	C2	62.700	62.200	0.500	0.80%	1.02%
0	C3	61.900	63.100	-1.200	-1.94%	2.45%
0	C4	62.400	62.200	0.200	0.32%	0.41%
0	C5	61.700	62.100	-0.400	-0.65%	0.82%
30	1	62.700	62.800	-0.100	-0.16%	0.20%
30	2	62.100	62.000	0.100	0.16%	0.20%
30	3	62.500	62.200	0.300	0.48%	0.61%
30	4	62.400	62.500	-0.100	-0.16%	0.20%
30	5	62.000	62.200	-0.200	-0.32%	0.41%
	Max	62.700	63.100	0.500	0.80%	2.45%
	Average	62.270	62.360	-0.090	-0.15%	0.63%
	Min	61.700	62.000	-1.200	-1.94%	0.00%
	Std Dev	0.337	0.344	0.468	0.75%	0.71%

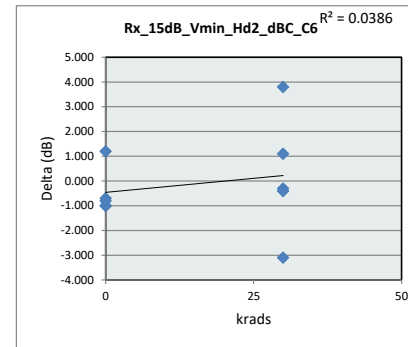


		Rx_15dB_Vmin_Snr_C5	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		51	dB
	krads	0	30
LL		51.000	51.000
Min		62.100	62.000
Average		62.380	62.340
Max		63.100	62.800
UL		100.000	100.000

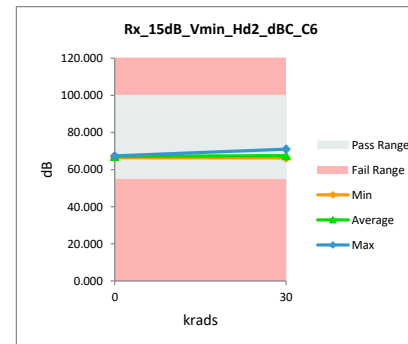


TID Report
AFE7950-SEP

		Rx_15dB_Vmin_Hd2_dBC_C6				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		55	55			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	66.700	67.400	-0.700	-1.05%	1.56%
0	C2	66.300	67.300	-1.000	-1.51%	2.22%
0	C3	67.600	66.400	1.200	1.78%	2.67%
0	C4	66.300	67.300	-1.000	-1.51%	2.22%
0	C5	66.400	67.200	-0.800	-1.20%	1.78%
30	1	66.400	66.700	-0.300	-0.45%	0.67%
30	2	67.800	66.700	1.100	1.62%	2.44%
30	3	70.100	66.300	3.800	5.42%	8.44%
30	4	67.900	71.000	-3.100	-4.57%	6.89%
30	5	66.400	66.800	-0.400	-0.60%	0.89%
	Max	70.100	71.000	3.800	5.42%	8.44%
	Average	67.190	67.310	-0.120	-0.21%	2.98%
	Min	66.300	66.300	-3.100	-4.57%	0.67%
	Std Dev	1.211	1.354	1.824	2.65%	2.58%

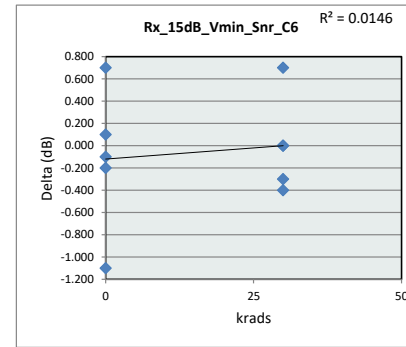


		Rx_15dB_Vmin_Hd2_dBC_C6	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		55	dB
	krads	0	30
LL		55.000	55.000
Min		66.400	66.300
Average		67.120	67.500
Max		67.400	71.000
UL		100.000	100.000

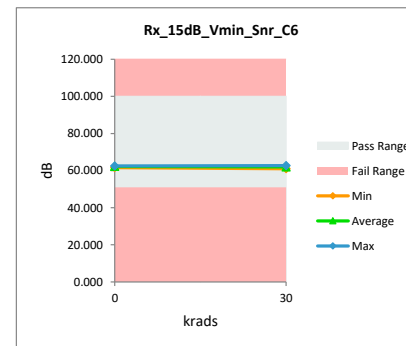


TID Report
AFE7950-SEP

		Rx_15dB_Vmin_Snr_C6				
Test Site		CLAB	CLAB			
Tester		VLCT92	VLCT92			
Test Number		VL713303	VL713303			
Unit		dB	dB			
Max Limit		100	100			
Min Limit		51	51			
krads	Serial #	Pre	Post	Delta	Delta %	% of Limit Range
0	C1	62.300	62.500	-0.200	-0.32%	0.41%
0	C2	61.400	62.500	-1.100	-1.79%	2.24%
0	C3	62.300	61.600	0.700	1.12%	1.43%
0	C4	62.200	62.300	-0.100	-0.16%	0.20%
0	C5	62.300	62.200	0.100	0.16%	0.20%
30	1	62.700	62.700	0.000	0.00%	0.00%
30	2	62.200	62.200	0.000	0.00%	0.00%
30	3	61.600	62.000	-0.400	-0.65%	0.82%
30	4	61.700	61.000	0.700	1.13%	1.43%
30	5	61.800	62.100	-0.300	-0.49%	0.61%
	Max	62.700	62.700	0.700	1.13%	2.24%
	Average	62.050	62.110	-0.060	-0.10%	0.73%
	Min	61.400	61.000	-1.100	-1.79%	0.00%
	Std Dev	0.403	0.495	0.523	0.85%	0.75%



		Rx_15dB_Vmin_Snr_C6	
Test Site		CLAB	
Tester		VLCT92	
Test Number		VL713303	
Max Limit		100	dB
Min Limit		51	dB
	krads	0	30
LL		51.000	51.000
Min		61.600	61.000
Average		62.220	62.000
Max		62.500	62.700
UL		100.000	100.000



5 Revision History

NOTE: Page numbers for previous revisions may differ from page numbers in the current version.

Changes from Revision * (May 2026) to Revision A (May 2026)	Page
• Updated 120rad(Si)/s to 150rad(Si)/s.....	4

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