

# HIGH DOSE RADIATION TEST REPORT ADH8411S-CSL

*August 2022*  
Certificate of Conformance

## Radiation Test Report

Product:	ADH8411S
Gamma:	0, 30k, 50k
Gamma Source:	Co60/TM1019 Condition A
Dose Rate:	94 Rad(Si)/s
Facilities:	VPT RAD
Tested:	8/09/22

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C060 RADIATION TEST

The data supplied with this Test Report that corresponds to the sample test groups referenced below are certified to comply with all requirements of the detail specification and the quality conformance requirements of the general specification. Any exceptions or modifications are stated below.

ADI P/N: ADH8411S-CSL Detail Spec: ADH8411S-CSL REV: -
Cust. P/N: ADH8411TCPZ-CSL-PT Die Type: N3201

TM1019 Condition A
EXCEPTIONS/MODIFICATIONS:

RADIATION DOSIMETRY:

Radiation Test Log #: ADI-HDR-22-0014 Total Dose Test Date: 8/09/2022

Table with 8 columns and 4 rows: Dose Target, Dose Rate, Dose Delivered, TOTAL DOSE, 30k, 50k, and two empty columns.

SAMPLE DATA: Wafer Lot: FE012P014

Table with 8 columns and 11 rows: Wafer #, TL#, RL#, Date Code, Sample S/N's, Wafer Results, Control S/N(s). Columns 2-8 are blank.

AUTHORIZED SIGNATURES:

Analog Devices, Aerospace Department:
Tom Decker 8/15/22
Name: Date

Name: Date

Product/Test Engineer
Title

Title (Product Assurance Representative)

		Ibias @ Pinch-off (nA)		Idd @ Pinch-off (mA)		Idd @ 5V (mA)	
		PRE	POST	PRE	POST	PRE	POST
<b>CTRL</b>	<b>SN</b>						
	1	-54.631	-66.392	1.471	1.487	52.59500	52.60000
<b>30k</b>	2	-26.652	-54.053	1.496	1.489	52.649	52.647
	3	-66.116	-102.364	1.472	1.479	52.584	52.590
	4	-29.811	-78.150	1.690	1.686	52.593	52.611
	5	-42.489	-82.036	1.530	1.511	52.602	52.604
	6	-89.196	-80.912	1.493	1.513	52.554	52.575
	Min	-89.196	-102.364	1.472	1.479	52.554	52.575
	Max	-26.652	-54.053	1.690	1.686	52.649	52.647
	Mean	-50.853	-79.503	1.536	1.536	52.596	52.605
	Std. Dev	26.4649	17.1796	0.0885	0.0853	0.035	0.027
	Mean - 3 Sigma	-130.2474	-131.0419	1.2708	1.2797	52.493	52.524
Mean + 3 Sigma	28.5418	-27.9641	1.8016	1.7915	52.700	52.687	

		S21 Gain @ 1G (dB)		S11 @ 1G (dB)		S22 @ 1G (dB)	
		PRE	POST	PRE	POST	PRE	POST
<b>CTRL</b>	<b>SN</b>						
	1	15.373	15.429	-24.384	-23.731	-23.305	-23.542
<b>30k</b>	2	15.344	15.396	-23.604	-23.475	-21.984	-21.789
	3	15.426	15.429	-23.882	-23.598	-23.104	-22.757
	4	15.397	15.419	-24.118	-23.728	-22.591	-22.637
	5	15.362	15.402	-23.680	-23.352	-22.276	-22.288
	6	15.342	15.373	-23.648	-23.596	-22.297	-22.062
	Min	15.342	15.373	-24.118	-23.728	-23.104	-22.757
	Max	15.426	15.429	-23.604	-23.352	-21.984	-21.789
	Mean	15.374	15.404	-23.786	-23.550	-22.450	-22.307
	Std. Dev	0.0364	0.0217	0.2138	0.1422	0.4238	0.4000
	Mean - 3 Sigma	15.2650	15.3388	-24.4278	-23.9765	-23.7218	-23.5067
Mean + 3 Sigma	15.4834	15.4688	-23.1450	-23.1231	-21.1790	-21.1065	

		Cold_Noise @ 1G (dBm)		Hot_Noise @ 1G (dBm)	
		PRE	POST	PRE	POST
<b>CTRL</b>	<b>SN</b>				
	1	-73.563	-73.496	-59.111	-59.148
<b>30k</b>	2	-73.545	-73.505	-59.119	-59.122
	3	-73.434	-73.542	-59.048	-58.982
	4	-73.530	-73.505	-59.163	-59.112
	5	-73.418	-73.450	-59.145	-59.236
	6	-73.551	-73.450	-59.180	-59.078
	Min	-73.551	-73.542	-59.180	-59.236
	Max	-73.418	-73.450	-59.048	-58.982
	Mean	-73.496	-73.490	-59.131	-59.106
	Std. Dev	0.0642	0.0399	0.0516	0.0913
	Mean - 3 Sigma	-73.6883	-73.6100	-59.2858	-59.3799
Mean + 3 Sigma	-73.3029	-73.3708	-58.9762	-58.8321	

		IP1dB @ 1G (dBm)		OP1dB @ 1G (dBm)		Pin_Lo @ 1G (dBm)	
		PRE	POST	PRE	POST	PRE	POST
<b>CTRL</b>	<b>SN</b>						
	1	5.830	5.693	20.193	20.121	-10.193	-10.292
<b>30k</b>	2	5.638	5.662	20.058	20.088	-10.204	-10.299
	3	5.618	5.746	20.066	20.157	-10.213	-10.273
	4	5.765	5.640	20.170	20.074	-10.211	-10.281
	5	6.163	5.739	20.434	20.138	-10.219	-10.293
	6	5.726	5.878	20.101	20.224	-10.217	-10.300
	Min	5.618	5.640	20.058	20.074	-10.219	-10.300
	Max	6.163	5.878	20.434	20.224	-10.204	-10.273
	Mean	5.782	5.733	20.166	20.136	-10.213	-10.289
	Std. Dev	0.2215	0.0934	0.1563	0.0599	0.0058	0.0118
	Mean - 3 Sigma	5.1176	5.4527	19.6969	19.9566	-10.2303	-10.3246
Mean + 3 Sigma	6.4464	6.0133	20.6347	20.3158	-10.1953	-10.2538	

		Pout_Lo @ 1G (dBm)		Pin_Hi @ 1G (dBm)		Pout_Hi @ 1G (dBm)	
		PRE	POST	PRE	POST	PRE	POST
<b>CTRL</b>	<b>1</b>	<b>5.172</b>	<b>5.121</b>	<b>-10.001</b>	<b>-10.091</b>	<b>5.312</b>	<b>5.284</b>
<b>30k</b>	<b>2</b>	5.110	5.092	-10.013	-10.091	5.260	5.248
	<b>3</b>	5.202	5.141	-9.979	-10.064	5.336	5.286
	<b>4</b>	5.169	5.139	-10.010	-10.067	5.326	5.262
	<b>5</b>	5.136	5.090	-9.990	-10.076	5.282	5.227
	<b>6</b>	5.118	5.054	-9.984	-10.068	5.279	5.213
	<b>Min</b>	5.110	5.054	-10.013	-10.091	5.260	5.213
	<b>Max</b>	5.202	5.141	-9.979	-10.064	5.336	5.286
	<b>Mean</b>	5.147	5.103	-9.995	-10.073	5.297	5.247
	<b>Std. Dev</b>	0.0382	0.0368	0.0154	0.0109	0.0327	0.0287
	<b>Mean - 3 Sigma</b>	5.0324	4.9927	-10.0415	-10.1059	5.1985	5.1610
	<b>Mean + 3 Sigma</b>	5.2616	5.2137	-9.9489	-10.0405	5.3947	5.3334

		IMD @ 1G High (dBm)		IMD @ 1G Low (dBm)		OIP3 @ 1G High (dBm)	
		PRE	POST	PRE	POST	PRE	POST
<b>CTRL</b>	<b>1</b>	<b>-54.693</b>	<b>-54.239</b>	<b>-52.672</b>	<b>-54.218</b>	<b>35.315</b>	<b>35.046</b>
<b>30k</b>	<b>2</b>	-53.655	-52.759	-53.191	-53.019	34.717	34.3
	<b>3</b>	-55.955	-55.555	-53.300	-53.267	35.981	35.7
	<b>4</b>	-53.101	-54.484	-51.277	-53.948	34.539	35.1
	<b>5</b>	-58.707	-55.693	-53.910	-54.669	37.277	35.7
	<b>6</b>	-56.150	-57.218	-54.199	-56.031	35.993	36.4
	<b>Min</b>	-58.707	-57.218	-54.199	-56.031	34.539	34.251
	<b>Max</b>	-53.101	-52.759	-51.277	-53.019	37.277	36.429
	<b>Mean</b>	-55.514	-55.142	-53.175	-54.187	35.701	35.442
	<b>Std. Dev</b>	2.2401	1.6504	1.1410	1.2145	1.1142	0.8090
	<b>Mean - 3 Sigma</b>	-62.2340	-60.0931	-56.5983	-57.8304	32.3587	33.0151
	<b>Mean + 3 Sigma</b>	-48.7932	-50.1905	-49.7525	-50.5432	39.0441	37.8689

		OIP3 @ 1G Low (dBm)		IIP3 @ 1G High (dBm)		IIP3 @ 1G Low (dBm)	
		PRE	POST	PRE	POST	PRE	POST
<b>CTRL</b>	<b>1</b>	<b>34.094</b>	<b>34.790</b>	<b>20.002</b>	<b>19.671</b>	<b>18.729</b>	<b>19.378</b>
<b>30k</b>	<b>2</b>	34.260	34.148	19.444	18.913	18.946	18.756
	<b>3</b>	34.453	34.345	20.666	20.357	19.038	18.931
	<b>4</b>	33.393	34.683	19.204	19.806	18.012	19.263
	<b>5</b>	34.658	34.970	22.005	20.384	19.304	19.586
	<b>6</b>	34.777	35.596	20.730	21.148	19.441	20.242
	<b>Min</b>	33.393	34.148	19.204	18.913	18.012	18.756
	<b>Max</b>	34.777	35.596	22.005	21.148	19.441	20.242
	<b>Mean</b>	34.308	34.748	20.410	20.122	18.948	19.356
	<b>Std. Dev</b>	0.548	0.569	1.129	0.827	0.560	0.589
	<b>Mean - 3 Sigma</b>	32.663	33.041	17.022	17.640	17.268	17.589
	<b>Mean + 3 Sigma</b>	35.953	36.455	23.797	22.604	20.628	21.122

		S21 Gain @5G (dB)		S11 @5G (dB)		S22 @5G (dB)	
		PRE	POST	PRE	POST	PRE	POST
<b>CTRL</b>	<b>1</b>	<b>13.964</b>	<b>14.062</b>	<b>-12.307</b>	<b>-12.185</b>	<b>-14.202</b>	<b>-14.589</b>
<b>30k</b>	<b>2</b>	13.891	13.972	-12.446	-12.607	-14.571	-14.116
	<b>3</b>	14.012	14.045	-12.342	-12.230	-14.769	-14.401
	<b>4</b>	13.982	14.029	-12.018	-12.363	-14.519	-13.912
	<b>5</b>	13.925	14.007	-12.242	-12.171	-14.194	-14.121
	<b>6</b>	13.954	14.009	-12.791	-12.556	-14.350	-14.807
	<b>Min</b>	13.891	13.972	-12.791	-12.607	-14.769	-14.807
	<b>Max</b>	14.012	14.045	-12.018	-12.171	-14.194	-13.912
	<b>Mean</b>	13.953	14.012	-12.368	-12.385	-14.481	-14.271
	<b>Std. Dev</b>	0.0473	0.0274	0.2846	0.1929	0.2191	0.3463
	<b>Mean - 3 Sigma</b>	13.811	13.930	-13.222	-12.964	-15.138	-15.310
	<b>Mean + 3 Sigma</b>	14.095	14.095	-11.514	-11.807	-13.823	-13.233

		Cold_Noise @5G (dBm)		Hot_Noise @5G (dBm)	
		PRE	POST	PRE	POST
CTRL	SN				
	1	-79.179	-79.265	-64.815	-64.879
30k	2	-79.192	-79.190	-64.919	-64.768
	3	-79.166	-79.231	-64.785	-64.820
	4	-79.179	-79.199	-64.826	-64.814
	5	-79.133	-79.274	-65.003	-64.814
	6	-79.179	-79.371	-64.911	-64.835
	Min	-79.192	-79.371	-65.003	-64.835
	Max	-79.133	-79.190	-64.785	-64.768
	Mean	-79.170	-79.253	-64.889	-64.810
	Std. Dev	0.023	0.074	0.085	0.025
	Mean - 3 Sigma	-79.237	-79.474	-65.145	-64.886
	Mean + 3 Sigma	-79.102	-79.032	-64.633	-64.735

		IP1dB @5G (dBm)		OP1dB @5G (dBm)		Pin_Lo @ 5G (dBm)	
		PRE	POST	PRE	POST	PRE	POST
CTRL	SN						
	1	6.673	6.442	19.645	19.578	-10.286	-10.440
30k	2	7.037	6.874	19.843	19.817	-10.312	-10.425
	3	6.548	6.913	19.597	19.863	-10.324	-10.456
	4	6.783	6.313	19.742	19.480	-10.322	-10.418
	5	6.591	6.656	19.583	19.661	-10.307	-10.442
	6	6.655	6.815	19.616	19.769	-10.318	-10.422
	Min	6.548	6.313	19.583	19.480	-10.324	-10.456
	Max	7.037	6.913	19.843	19.863	-10.307	-10.418
	Mean	6.723	6.714	19.676	19.718	-10.317	-10.433
	Std. Dev	0.197	0.245	0.1126	0.1527	0.0071	0.0160
	Mean - 3 Sigma	6.132	5.980	19.3383	19.2598	-10.3378	-10.4805
	Mean + 3 Sigma	7.313	7.448	20.0141	20.1762	-10.2954	-10.3847

		Pout_Lo @ 5G (dBm)		Pin_Hi @ 5G (dBm)		Pout_Hi @ 5G (dBm)	
		PRE	POST	PRE	POST	PRE	POST
CTRL	SN						
	1	3.621	3.604	-10.486	-10.641	3.435	3.409
30k	2	3.593	3.570	-10.466	-10.618	3.356	3.304
	3	3.647	3.605	-10.447	-10.613	3.429	3.389
	4	3.638	3.617	-10.470	-10.611	3.459	3.376
	5	3.604	3.551	-10.470	-10.616	3.400	3.332
	6	3.597	3.558	-10.487	-10.606	3.394	3.367
	Min	3.593	3.551	-10.487	-10.618	3.356	3.304
	Max	3.647	3.617	-10.447	-10.606	3.459	3.389
	Mean	3.616	3.580	-10.468	-10.613	3.408	3.354
	Std. Dev	0.0249	0.0292	0.0143	0.0047	0.0387	0.0349
	Mean - 3 Sigma	3.5411	3.4925	-10.5108	-10.6268	3.2914	3.2490
	Mean + 3 Sigma	3.6905	3.6679	-10.4252	-10.5988	3.5238	3.4582

		IMD @ 5G High (dBm)		IMD @ 5G Low (dBm)		OIP3 @ 5G High (dBm)	
		PRE	POST	PRE	POST	PRE	POST
CTRL	SN						
	1	-55.909	-53.825	-52.282	-56.494	33.107	32.027
30k	2	-60.995	-56.094	-60.441	-56.226	35.532	33.003
	3	-53.847	-57.697	-51.748	-53.953	32.068	33.932
	4	-57.041	-55.279	-54.656	-56.663	33.708	32.703
	5	-54.349	-56.836	-57.395	-53.836	32.275	33.416
	6	-54.116	-57.007	-55.597	-55.674	32.149	33.553
	Min	-60.995	-57.697	-60.441	-56.663	32.068	32.703
	Max	-53.847	-55.279	-51.748	-53.836	35.532	33.932
	Mean	-56.070	-56.583	-55.967	-55.270	33.146	33.321
	Std. Dev	3.0381	0.9252	3.229	1.305	1.4936	0.4794
	Mean - 3 Sigma	-65.1839	-59.3583	-65.655	-59.184	28.6655	31.8833
	Mean + 3 Sigma	-46.9553	-53.8069	-46.280	-51.356	37.6273	34.7595

		OIP3 @ 5G Low (dBm)		IIP3 @ 5G High (dBm)		IIP3 @ 5G Low (dBm)	
		PRE	POST	PRE	POST	PRE	POST
<b>CTRL</b>	<b>1</b>	<b>31.573</b>	<b>33.652</b>	<b>19.186</b>	<b>17.976</b>	<b>17.666</b>	<b>19.609</b>
<b>30k</b>	<b>2</b>	35.610	33.469	21.710	19.081	21.705	19.474
	<b>3</b>	31.344	32.385	18.191	19.930	17.374	18.323
	<b>4</b>	32.786	33.757	19.779	18.716	18.825	19.722
	<b>5</b>	34.104	32.245	18.404	19.468	20.193	18.252
	<b>6</b>	33.194	33.174	18.268	19.581	19.279	19.194
	<b>Min</b>	31.344	32.245	18.191	18.716	17.374	18.252
	<b>Max</b>	35.610	33.757	21.710	19.930	21.705	19.722
	<b>Mean</b>	33.408	33.006	19.270	19.355	19.475	18.993
	<b>Std. Dev</b>	1.5832	0.6655	1.5109	0.4685	1.610	0.671
	<b>Mean - 3 Sigma</b>	28.6580	31.0096	14.7378	17.9498	14.646	16.980
	<b>Mean + 3 Sigma</b>	38.1572	35.0024	23.8030	20.7606	24.304	21.006

		S21 Gain @10G (dB)		S11 @10G (dB)		S22 @10G (dB)	
		PRE	POST	PRE	POST	PRE	POST
<b>CTRL</b>	<b>1</b>	<b>11.325</b>	<b>11.495</b>	<b>-4.992</b>	<b>-4.770</b>	<b>-7.218</b>	<b>-7.436</b>
<b>30k</b>	<b>2</b>	11.278	11.479	-5.176	-5.551	-8.334	-7.247
	<b>3</b>	11.344	11.501	-5.274	-5.205	-7.870	-7.594
	<b>4</b>	11.360	11.533	-5.434	-4.711	-7.773	-7.597
	<b>5</b>	11.382	11.508	-4.775	-4.958	-8.234	-7.785
	<b>6</b>	11.354	11.412	-5.681	-5.039	-8.378	-7.409
	<b>Min</b>	11.278	11.412	-5.681	-5.551	-8.378	-7.785
	<b>Max</b>	11.382	11.533	-4.775	-4.711	-7.773	-7.247
	<b>Mean</b>	11.344	11.487	-5.268	-5.093	-8.118	-7.526
	<b>Std. Dev</b>	0.0392	0.0459	0.3353	0.3120	0.2776	0.2051
	<b>Mean - 3 Sigma</b>	11.2259	11.3488	-6.2739	-6.0288	-8.9506	-8.1417
	<b>Mean + 3 Sigma</b>	11.4613	11.6244	-4.2621	-4.1568	-7.2850	-6.9111

		Cold_Noise @10G (dBm)		Hot_Noise @10G (dBm)	
		PRE	POST	PRE	POST
<b>CTRL</b>	<b>1</b>	<b>-73.779</b>	<b>-73.666</b>	<b>-68.620</b>	<b>-68.535</b>
<b>30k</b>	<b>2</b>	-73.854	-73.859	-68.674	-68.445
	<b>3</b>	-73.715	-73.755	-68.398	-68.442
	<b>4</b>	-73.751	-73.882	-68.562	-68.571
	<b>5</b>	-73.750	-73.812	-68.538	-68.502
	<b>6</b>	-73.774	-73.810	-68.564	-68.571
	<b>Min</b>	-73.854	-73.882	-68.674	-68.571
	<b>Max</b>	-73.715	-73.755	-68.398	-68.442
	<b>Mean</b>	-73.769	-73.824	-68.547	-68.506
	<b>Std. Dev</b>	0.0521	0.0492	0.099	0.064
	<b>Mean - 3 Sigma</b>	-73.9251	-73.9713	-68.843	-68.698
	<b>Mean + 3 Sigma</b>	-73.6125	-73.6759	-68.251	-68.315

		IP1dB @10G (dBm)		OP1dB @10G (dBm)		Pin_Lo @ 10G (dBm)	
		PRE	POST	PRE	POST	PRE	POST
<b>CTRL</b>	<b>1</b>	<b>3.096</b>	<b>2.957</b>	<b>13.526</b>	<b>13.494</b>	<b>-10.349</b>	<b>-10.464</b>
<b>30k</b>	<b>2</b>	3.337	3.166	13.571	13.6	-10.334	-10.450
	<b>3</b>	3.018	3.279	13.508	13.6	-10.345	-10.443
	<b>4</b>	3.729	3.319	13.791	13.7	-10.348	-10.466
	<b>5</b>	3.059	3.614	13.560	13.8	-10.331	-10.441
	<b>6</b>	3.166	3.187	13.560	13.7	-10.320	-10.449
	<b>Min</b>	3.018	3.166	13.508	13.641	-10.348	-10.466
	<b>Max</b>	3.729	3.614	13.791	13.8	-10.320	-10.441
	<b>Mean</b>	3.262	3.313	13.598	13.699	-10.336	-10.450
	<b>Std. Dev</b>	0.2888	0.1798	0.1106	0.0808	0.0113	0.0098
	<b>Mean - 3 Sigma</b>	2.3953	2.7737	13.2661	13.4567	-10.3694	-10.4793
	<b>Mean + 3 Sigma</b>	4.1283	3.8523	13.9299	13.9417	-10.3018	-10.4203

		Pout_Lo @ 10G (dBm)		Pin_Hi @ 10G (dBm)		Pout_Hi @ 10G (dBm)	
		PRE	POST	PRE	POST	PRE	POST
<b>CTRL</b>	<b>SN</b>	<b>PRE</b>	<b>POST</b>	<b>PRE</b>	<b>POST</b>	<b>PRE</b>	<b>POST</b>
	1	0.99200	1.03200	-10.20300	-10.39000	1.19600	1.13500
<b>30k</b>	2	0.94300	1.02400	-10.21600	-10.32300	1.22700	1.20000
	3	0.99700	1.10400	-10.17000	-10.32200	1.19000	1.11500
	4	1.03700	1.08400	-10.18200	-10.33000	1.18400	1.14700
	5	1.13400	1.03000	-10.22400	-10.35100	1.22200	1.12400
	6	1.04100	1.00100	-10.20500	-10.31500	1.25000	1.13400
	Min	0.94300	1.00100	-10.22400	-10.35100	1.18400	1.11500
	Max	1.13400	1.10400	-10.17000	-10.31500	1.25000	1.20000
	Mean	1.03040	1.04860	-10.19940	-10.32820	1.21460	1.14400
	Std. Dev	0.07008	0.04341	0.02280	0.01381	0.02740	0.03349
	Mean - 3 Sigma	0.82017	0.91836	-10.26780	-10.36963	1.13240	1.04353
	Mean + 3 Sigma	1.24063	1.17884	-10.13100	-10.28677	1.29680	1.24447

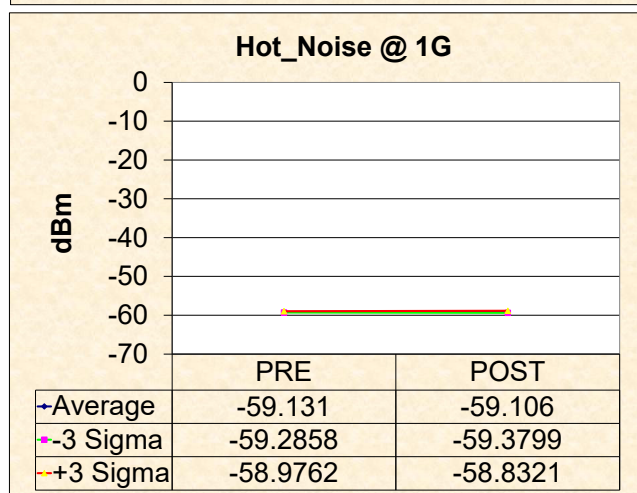
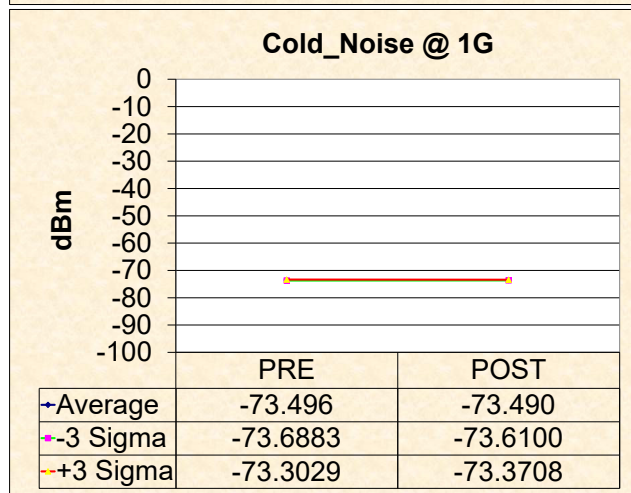
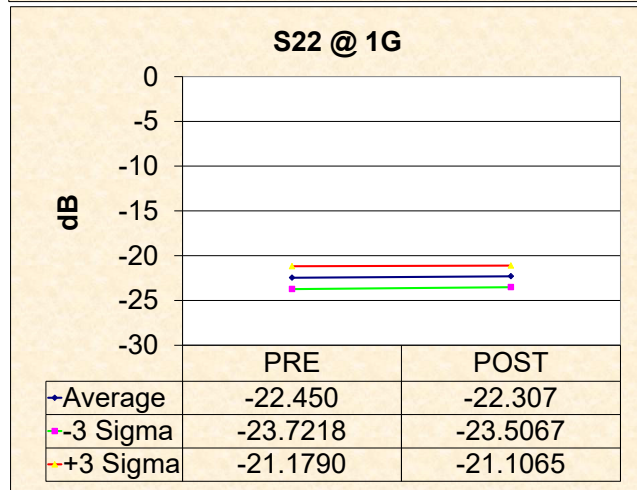
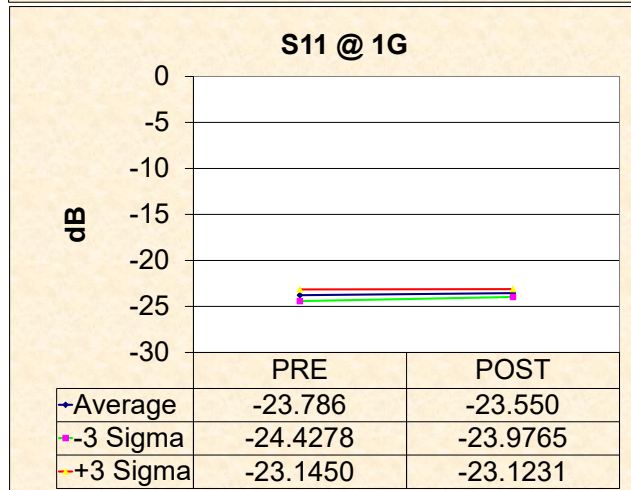
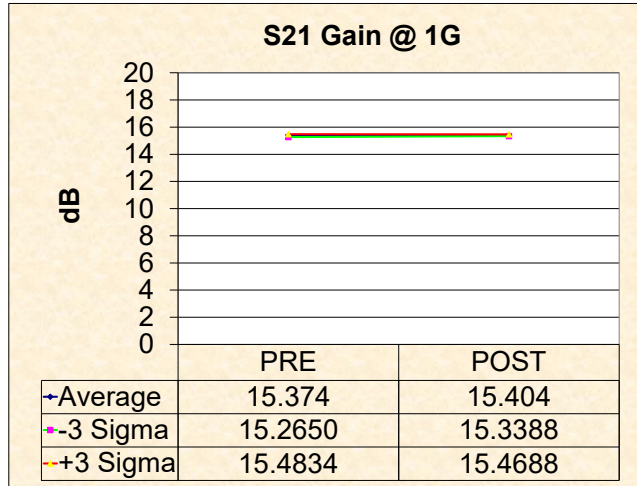
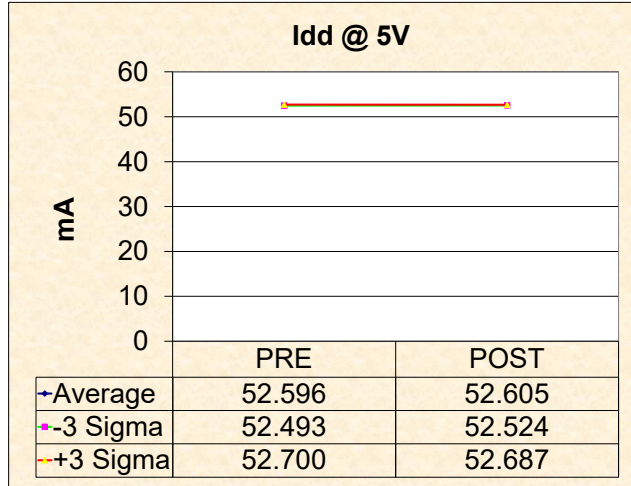
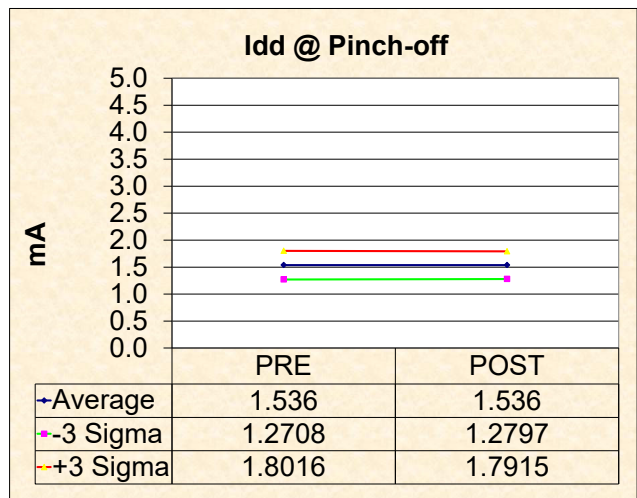
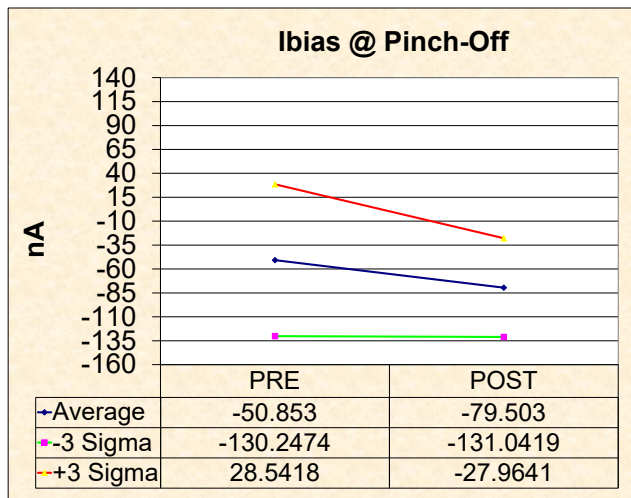
		IMD @ 10G High (dBm)		IMD @ 10G Low (dBm)		OIP3 @ 10G High (dBm)	
		PRE	POST	PRE	POST	PRE	POST
<b>CTRL</b>	<b>SN</b>	<b>PRE</b>	<b>POST</b>	<b>PRE</b>	<b>POST</b>	<b>PRE</b>	<b>POST</b>
	1	-53.61600	-57.77000	-53.25700	-52.56000	28.60200	30.58800
<b>30k</b>	2	-53.48500	-51.03800	-53.92300	-53.34900	28.58300	27.31800
	3	-50.56100	-57.14700	-45.98500	-54.81700	27.06500	30.24600
	4	-50.75700	-57.33300	-54.17500	-50.74200	27.15400	30.38700
	5	-49.96600	-57.68600	-51.46500	-53.92500	26.81700	30.52900
	6	-49.04300	-51.76700	-52.35000	-51.47800	26.39600	27.58400
	Min	-53.48500	-57.68600	-54.17500	-54.81700	26.39600	27.31800
	Max	-49.04300	-51.03800	-45.98500	-50.74200	28.58300	30.52900
	Mean	-50.76240	-54.99420	-51.57960	-52.86220	27.20300	29.21280
	Std. Dev	1.66161	3.29457	3.32166	1.70287	0.82554	1.61415
	Mean - 3 Sigma	-55.74722	-64.87790	-61.54459	-57.97080	24.72637	24.37036
	Mean + 3 Sigma	-45.77758	-45.11050	-41.61461	-47.75360	29.67963	34.05524

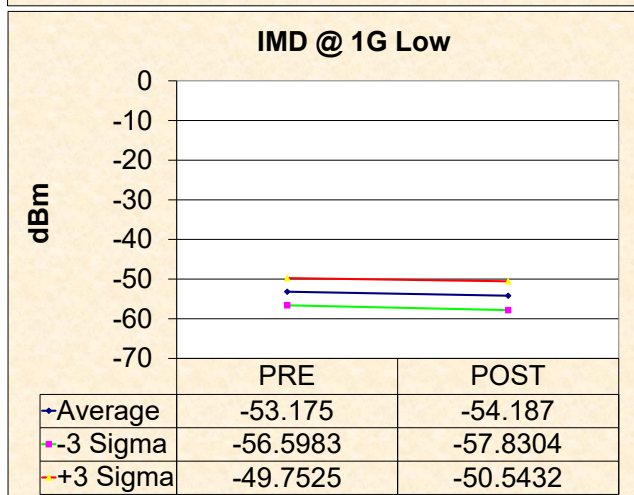
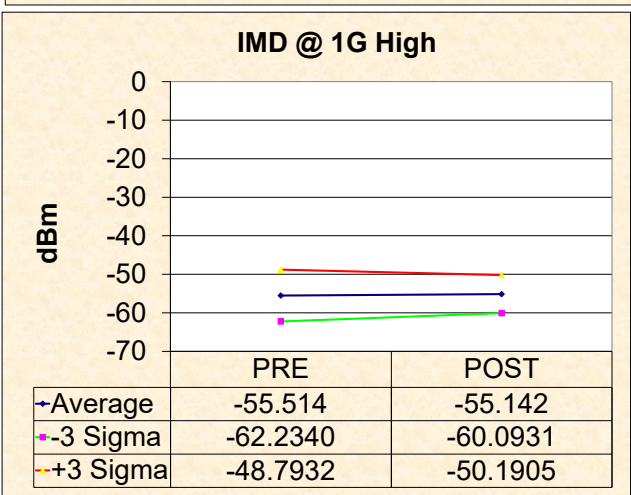
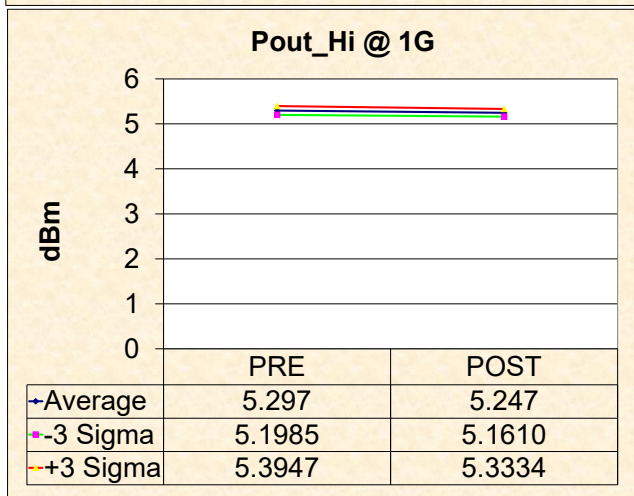
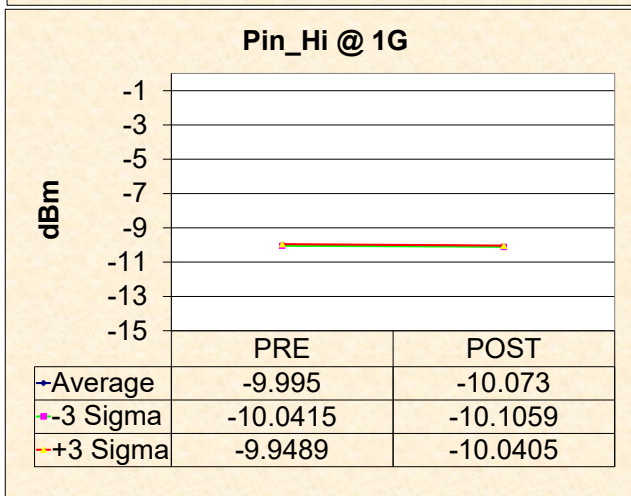
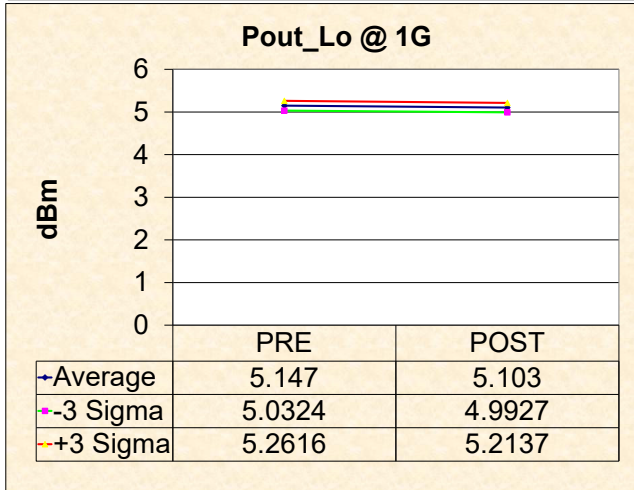
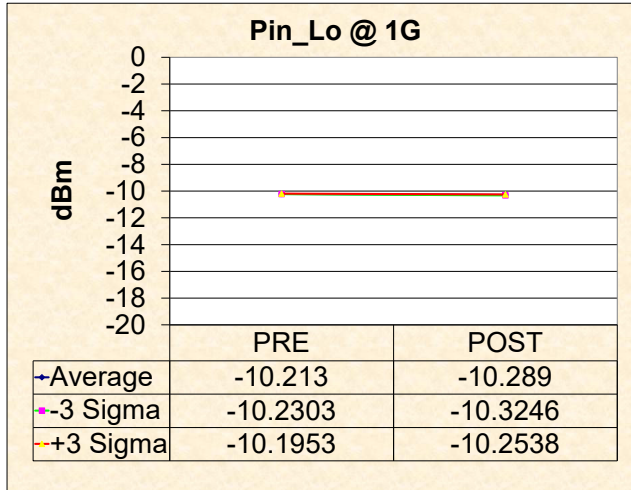
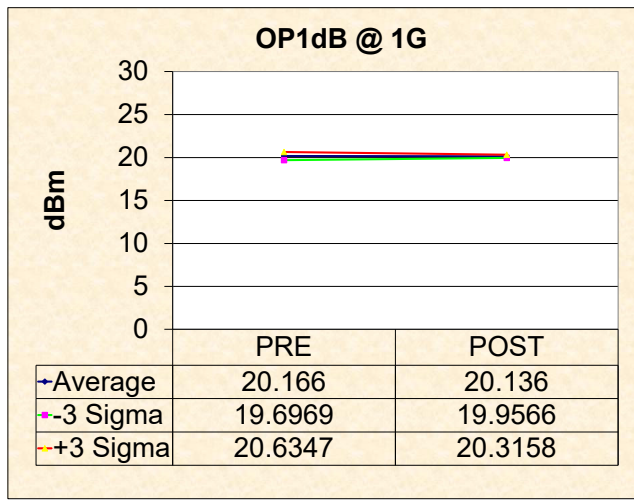
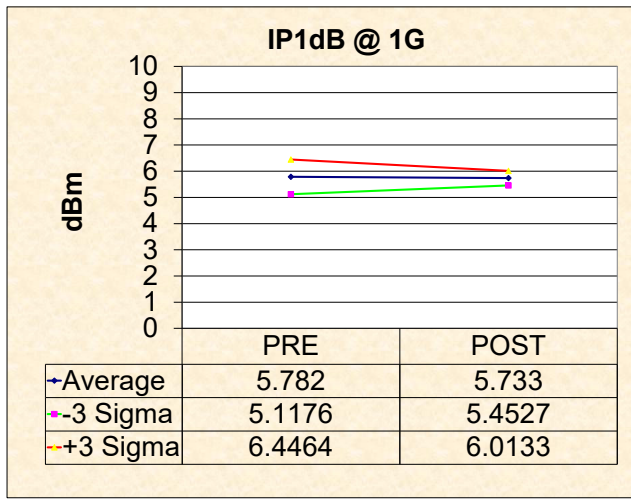
		OIP3 @ 10G Low (dBm)		IIP3 @ 10G High (dBm)		IIP3 @ 10G Low (dBm)	
		PRE	POST	PRE	POST	PRE	POST
<b>CTRL</b>	<b>SN</b>	<b>PRE</b>	<b>POST</b>	<b>PRE</b>	<b>POST</b>	<b>PRE</b>	<b>POST</b>
	1	28.11600	27.82800	17.20300	19.06300	16.77500	16.33200
<b>30k</b>	2	28.37700	28.21100	17.14000	15.79500	17.09900	16.73700
	3	24.48800	29.06400	15.70500	18.80900	13.14600	17.51700
	4	28.64200	26.99700	15.78900	18.91000	17.25700	15.44700
	5	27.43300	28.50800	15.37000	19.05400	15.96800	17.03700
	6	27.73700	27.24000	14.94100	16.13500	16.37600	15.79000
	Min	24.48800	26.99700	14.94100	15.79500	13.14600	15.44700
	Max	28.64200	29.06400	17.14000	19.05400	17.25700	17.51700
	Mean	27.33540	28.00400	15.78900	17.74060	15.96920	16.50560
	Std. Dev	1.66363	0.86865	0.82567	1.62768	1.66364	0.86481
	Mean - 3 Sigma	22.34452	25.39805	13.31199	12.85757	10.97827	13.91117
	Mean + 3 Sigma	32.32628	30.60995	18.26601	22.62363	20.96013	19.10003

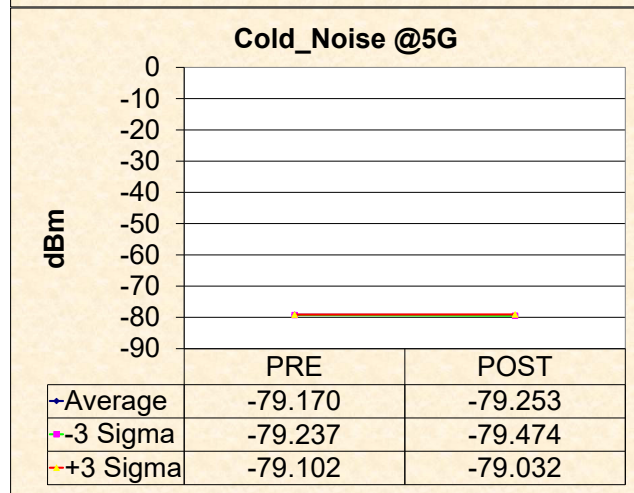
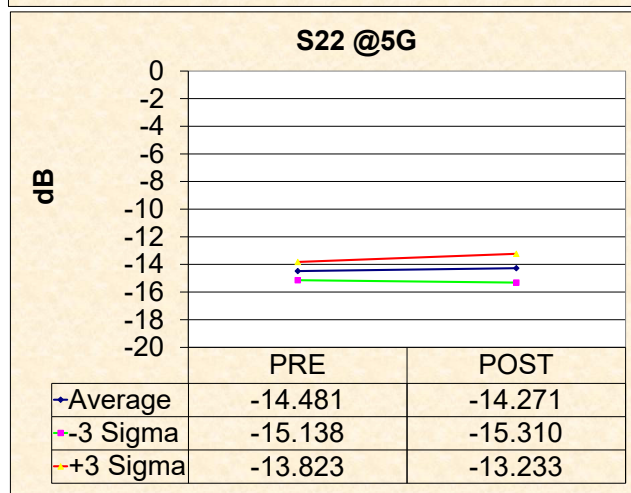
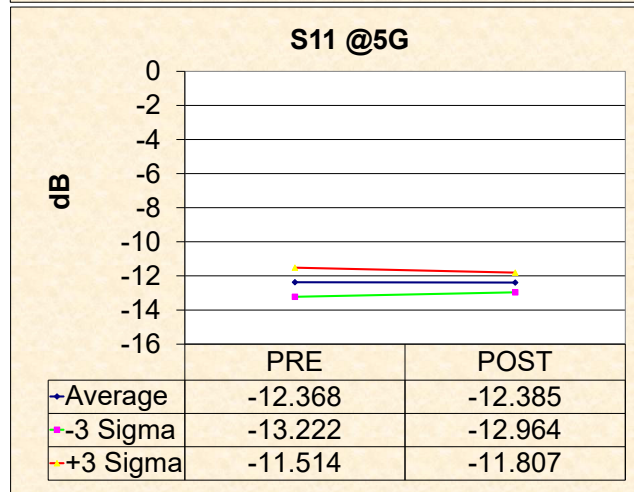
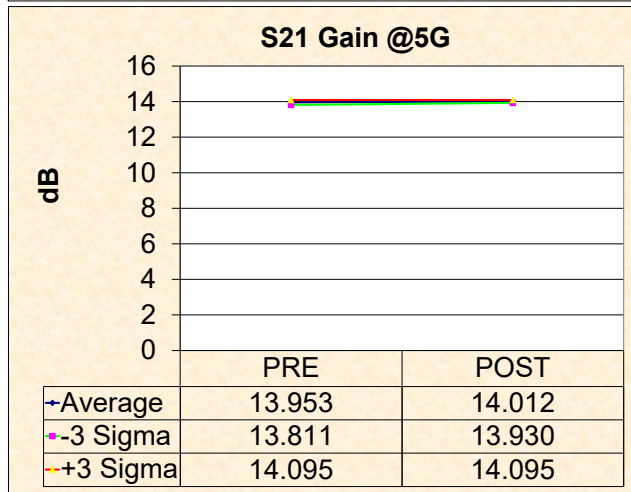
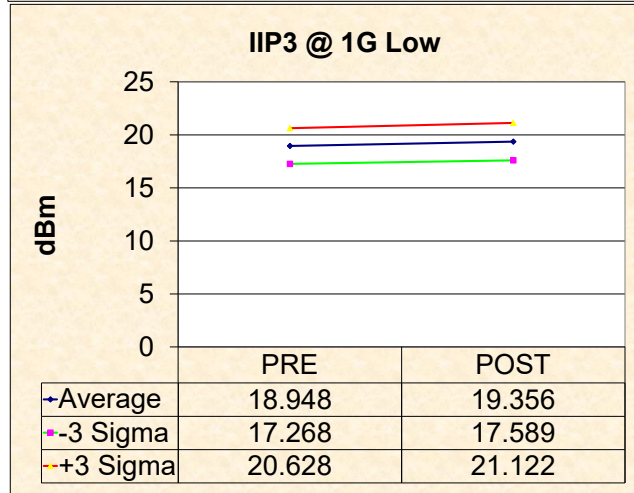
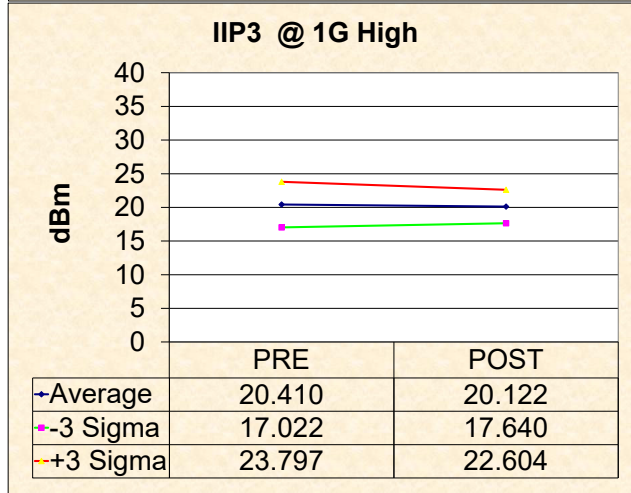
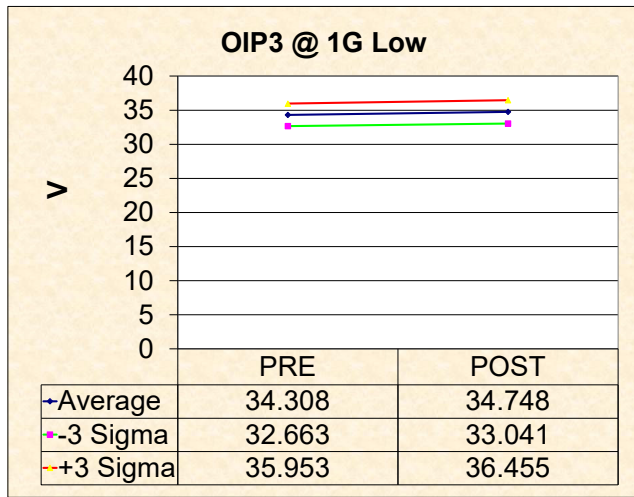
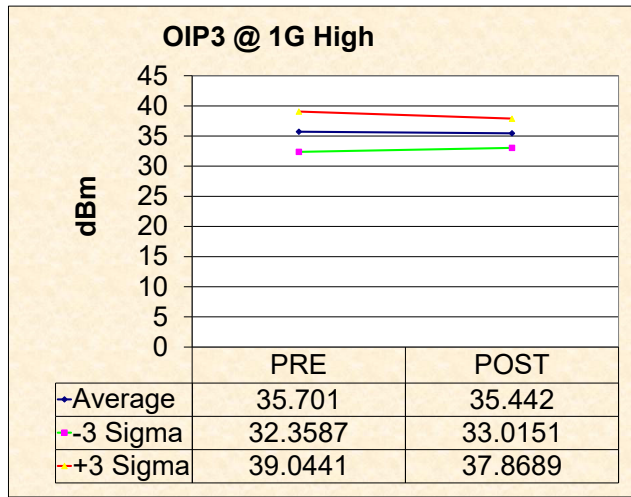
		post_ibias @ Pinch-Off (nA)		post_idd @ Pinch-off (mA)		Post Rfin Voltage @ 5V (V)	
		PRE	POST	PRE	POST	PRE	POST
<b>CTRL</b>	<b>SN</b>	<b>PRE</b>	<b>POST</b>	<b>PRE</b>	<b>POST</b>	<b>PRE</b>	<b>POST</b>
	1	-387.50800	-305.71100	1.45500	1.46100	0.62700	0.62700
<b>30k</b>	2	-410.51700	-339.83300	1.47000	1.47300	0.61600	0.61600
	3	-413.73900	-344.97500	1.46600	1.46100	0.62700	0.62700
	4	-423.20400	-348.60900	1.67400	1.66400	0.62900	0.62900
	5	-410.60200	-345.05600	1.48200	1.47900	0.61800	0.61800
	6	-432.18200	-369.12900	1.46200	1.47200	0.60700	0.60700
	Min	-432.18200	-369.12900	1.46200	1.46100	0.60700	0.60700
	Max	-410.51700	-339.83300	1.67400	1.66400	0.62900	0.62900
	Mean	-418.04880	-349.52040	1.51080	1.50980	0.61940	0.61940
	Std. Dev	9.44829	11.39918	0.09154	0.08644	0.00891	0.00891
	Mean - 3 Sigma	-446.39367	-383.71794	1.23619	1.25047	0.59268	0.59268
	Mean + 3 Sigma	-389.70393	-315.32286	1.78541	1.76913	0.64612	0.64612

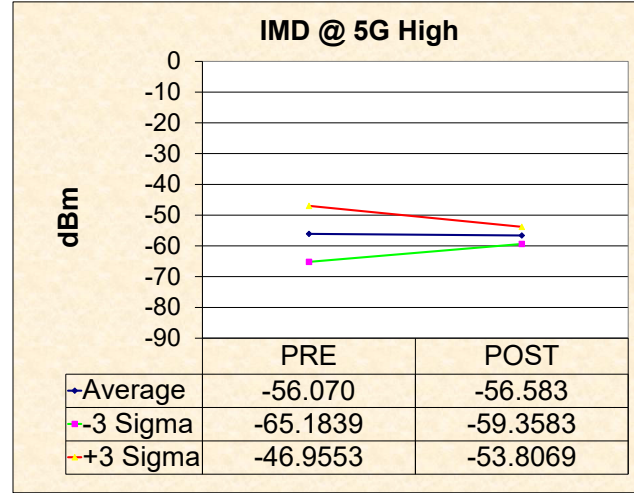
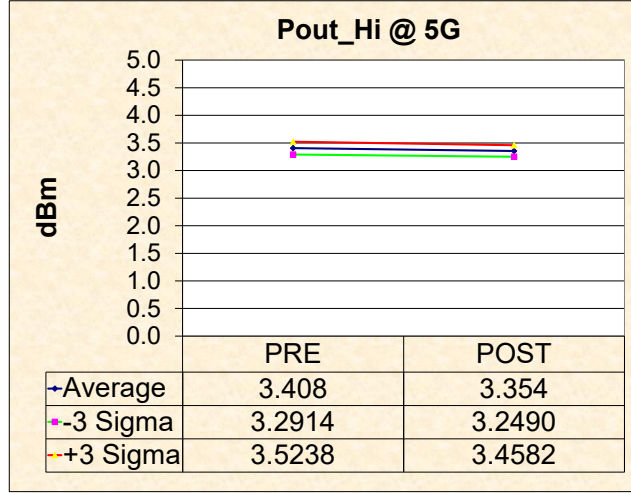
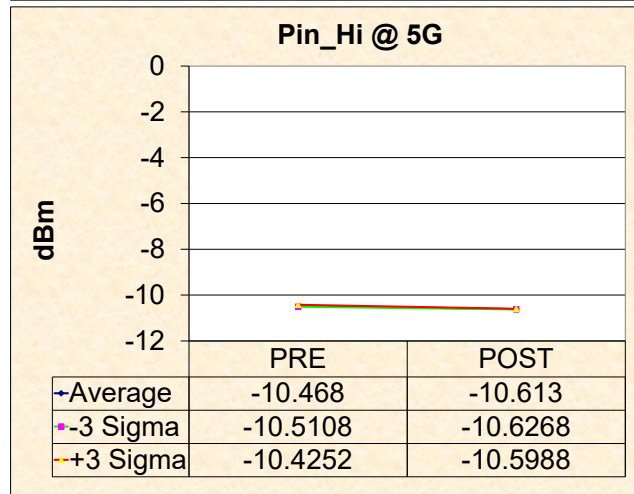
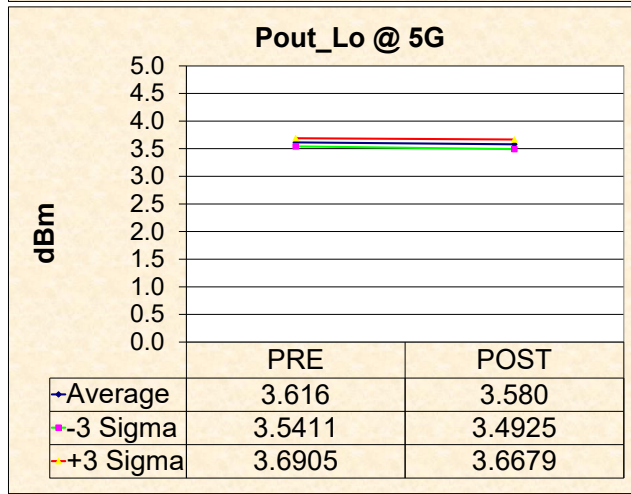
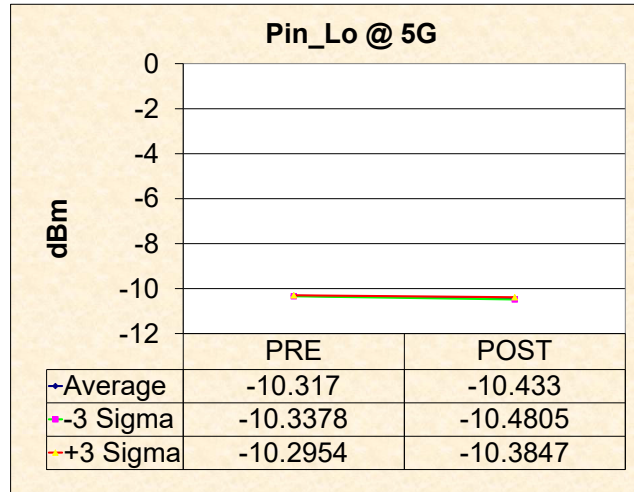
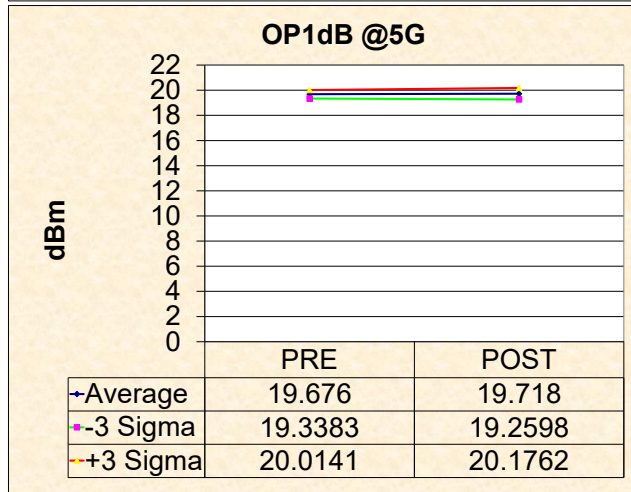
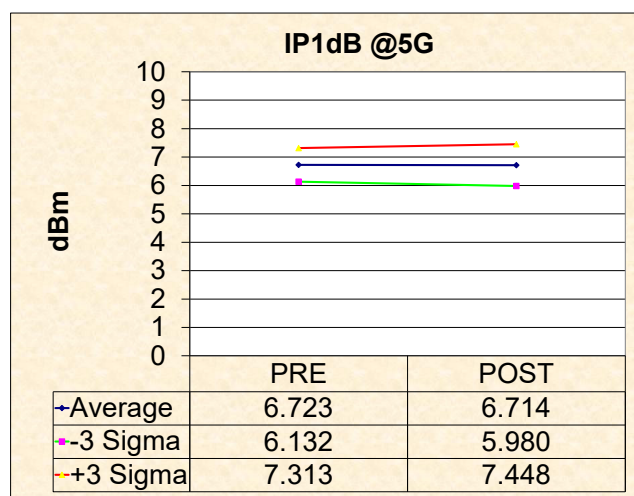
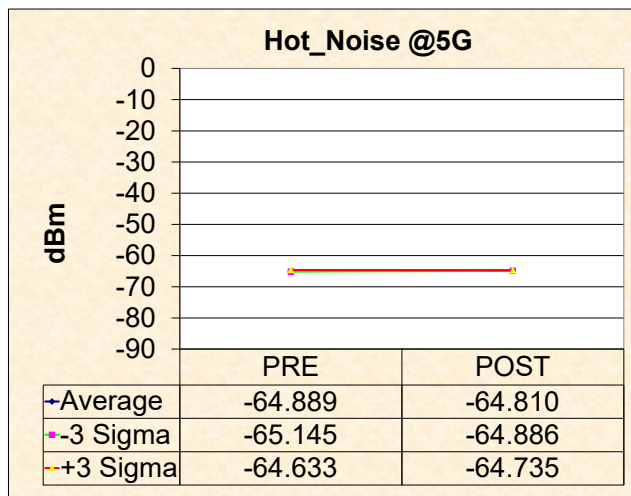
		Post Ibias (mA)		Post Idd (mA)	
SN		PRE	POST	PRE	POST
<b>CTRL</b>	<b>1</b>	<b>2.44000</b>	<b>2.44000</b>	<b>52.76000</b>	<b>52.75300</b>
	<b>2</b>	2.39600	2.39000	52.79300	52.74300
<b>30k</b>	<b>3</b>	2.44900	2.44500	52.84400	52.89400
	<b>4</b>	2.43400	2.42700	53.02200	53.03300
	<b>5</b>	2.42500	2.41200	53.00000	53.01200
	<b>6</b>	2.45800	2.45600	52.75500	52.77900
	<b>Min</b>	2.39600	2.39000	52.75500	52.74300
	<b>Max</b>	2.45800	2.45600	53.02200	53.03300
	<b>Mean</b>	2.43240	2.42600	52.88280	52.89220
	<b>Std. Dev</b>	0.02405	0.02624	0.12146	0.13158
	<b>Mean - 3 Sigma</b>	2.36026	2.34728	52.51841	52.49746
	<b>Mean + 3 Sigma</b>	2.50454	2.50472	53.24719	53.28694

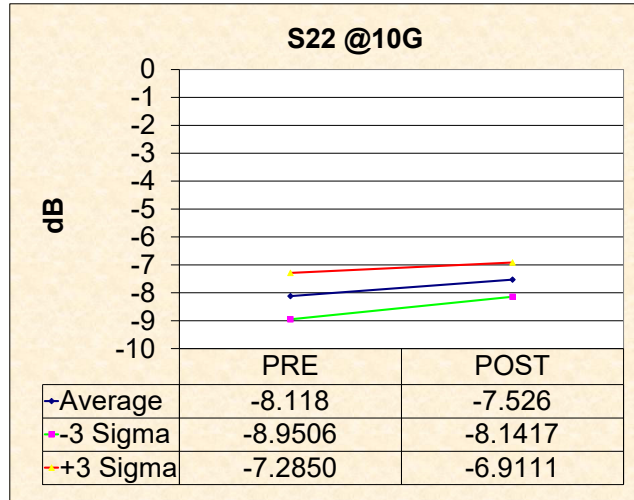
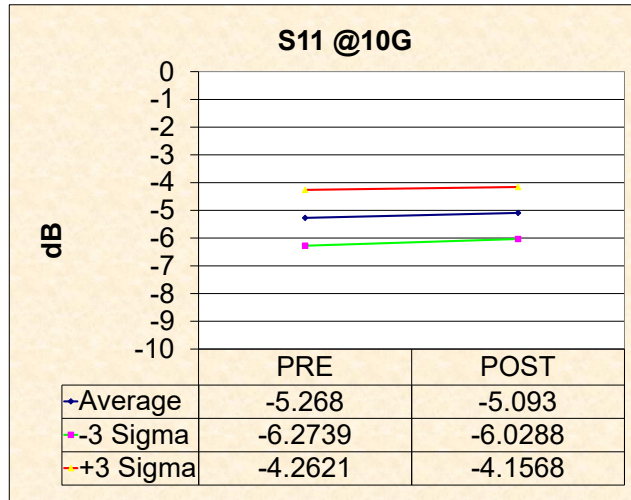
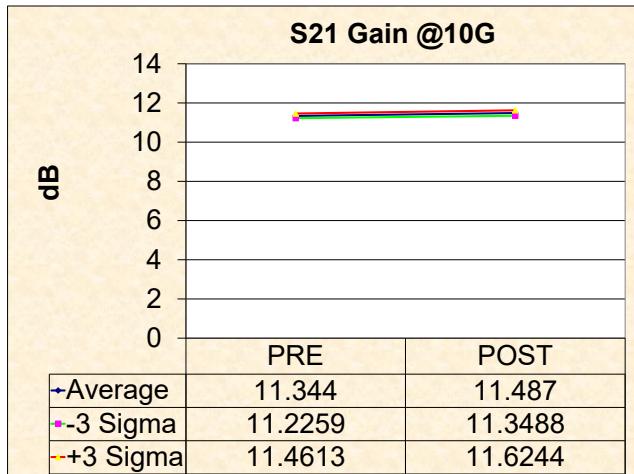
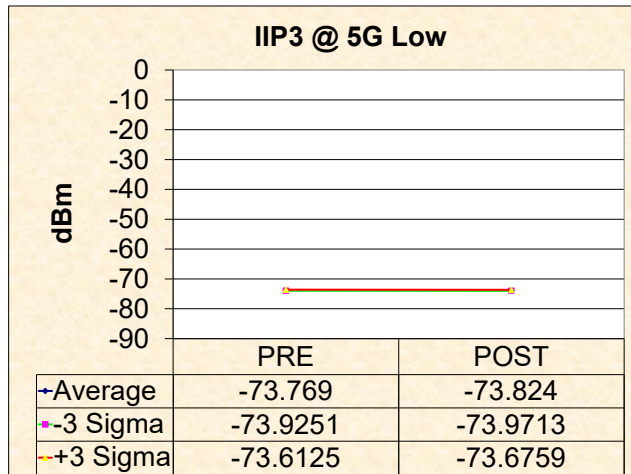
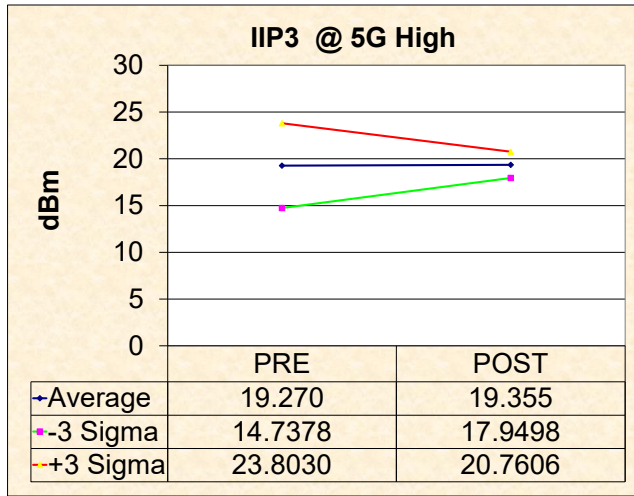
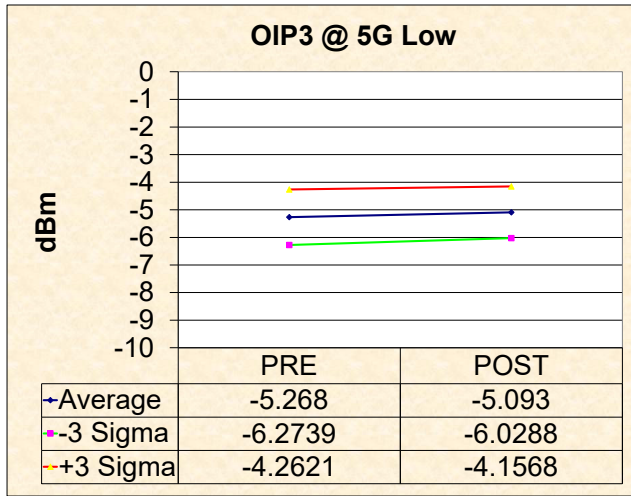
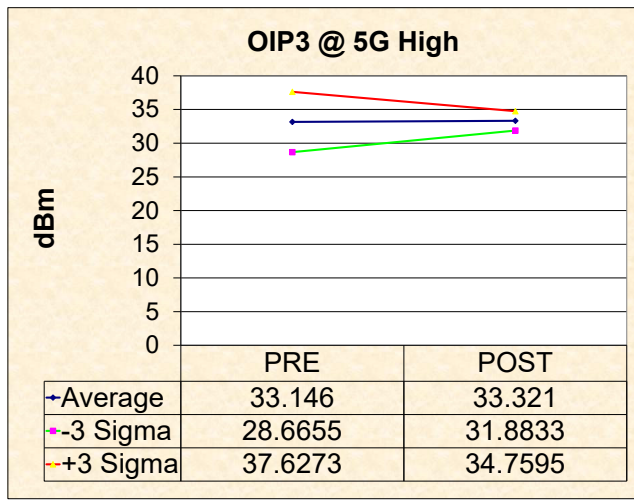
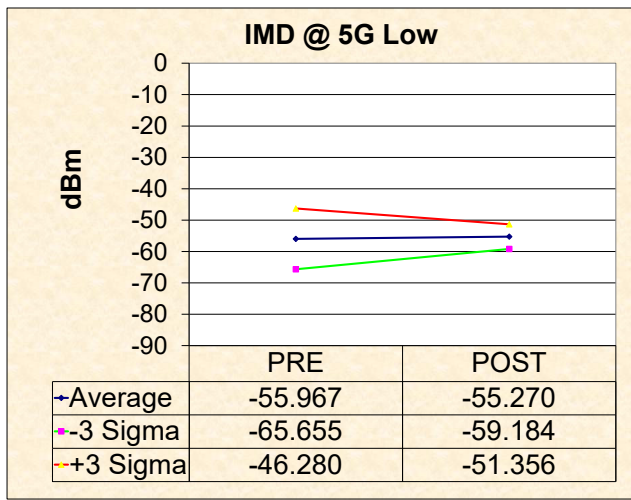


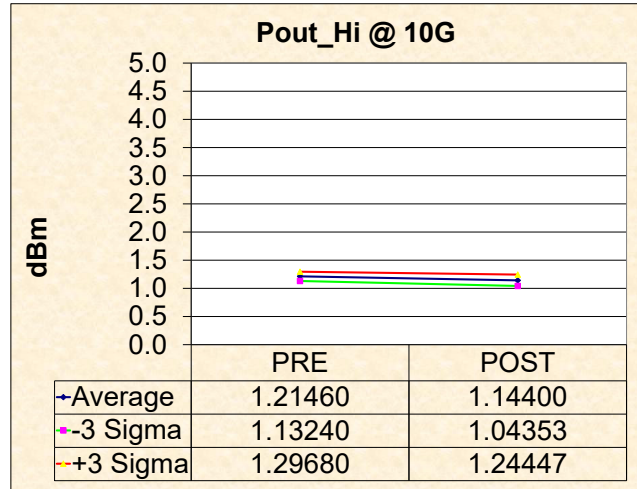
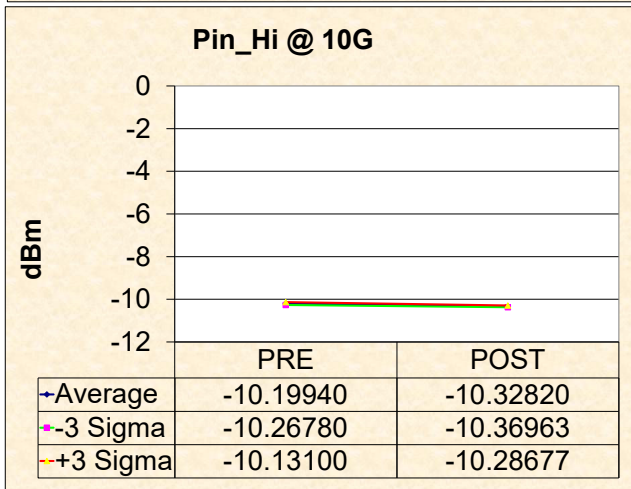
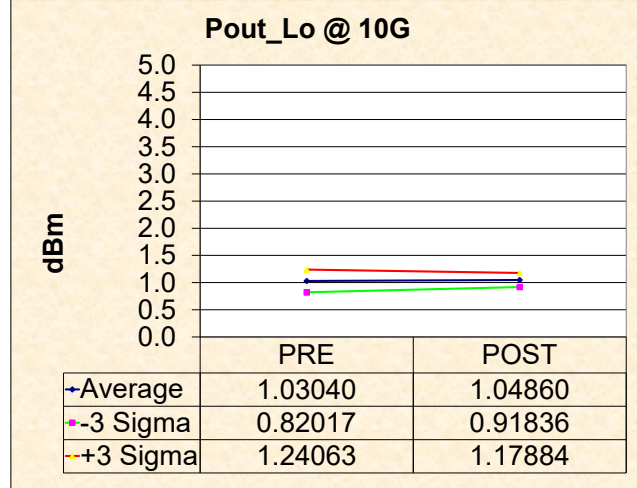
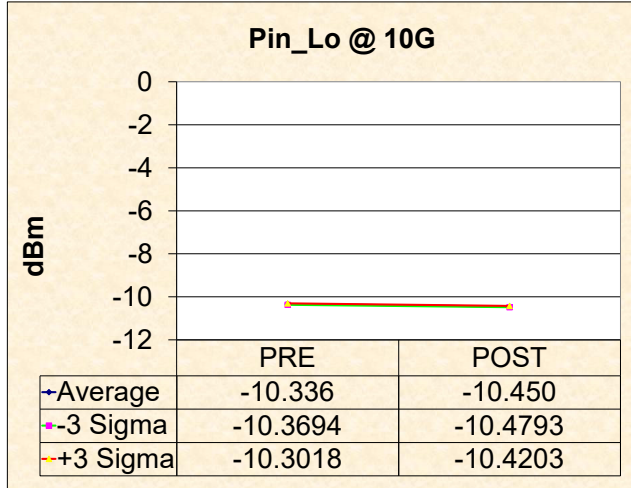
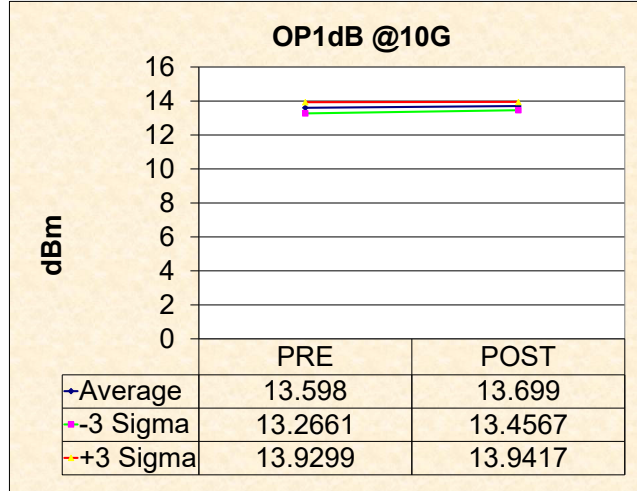
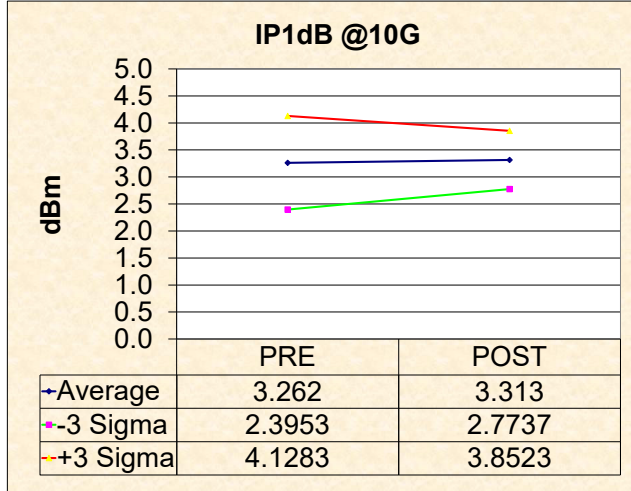
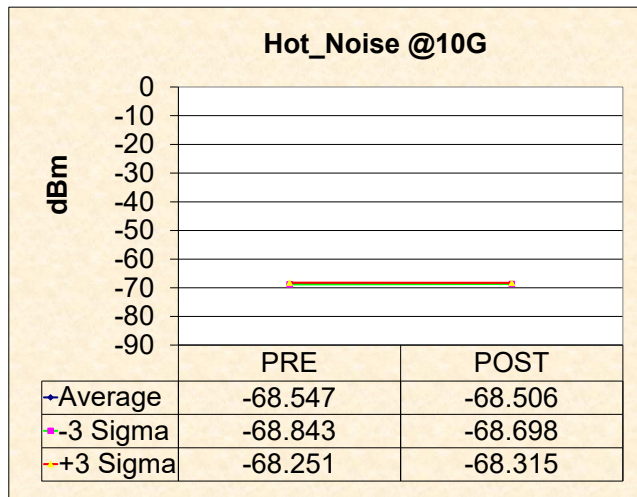
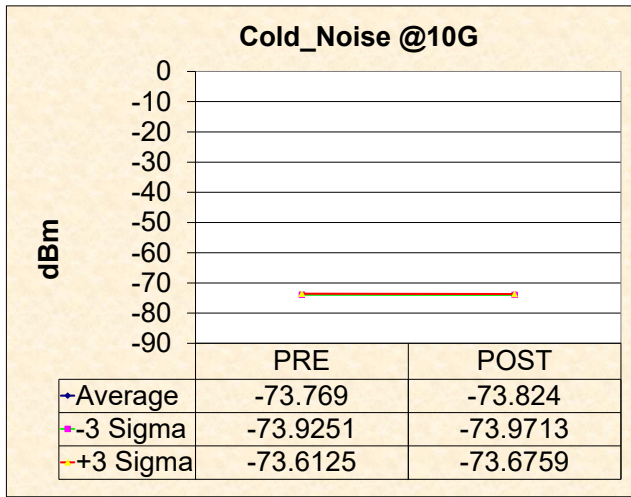


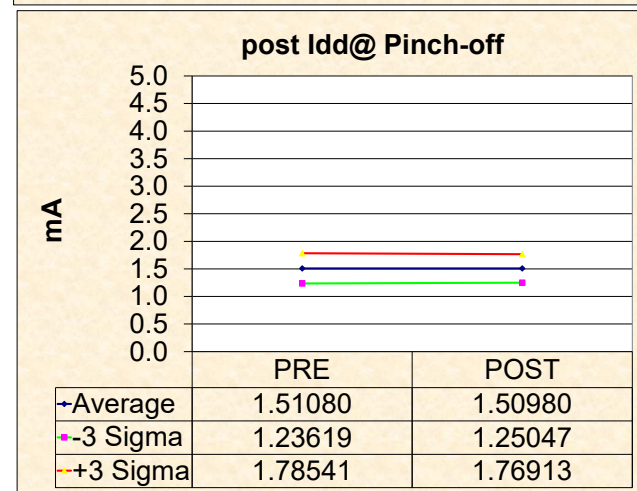
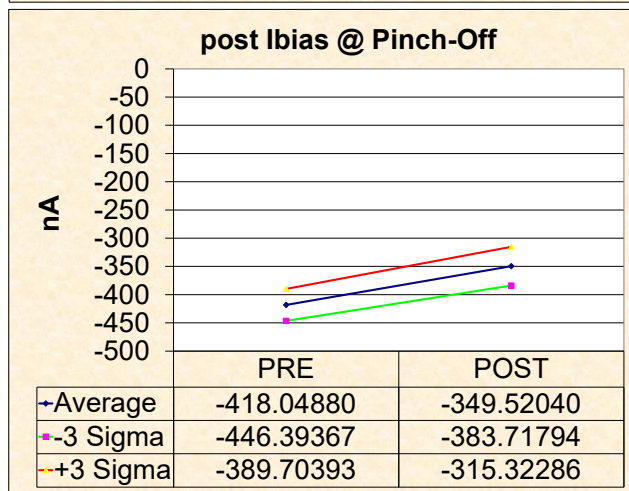
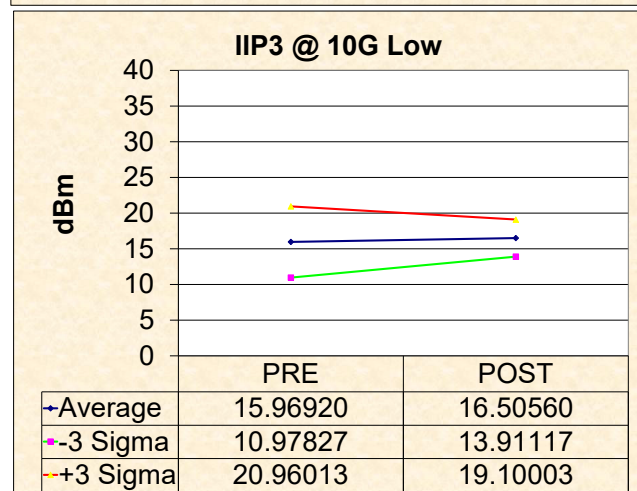
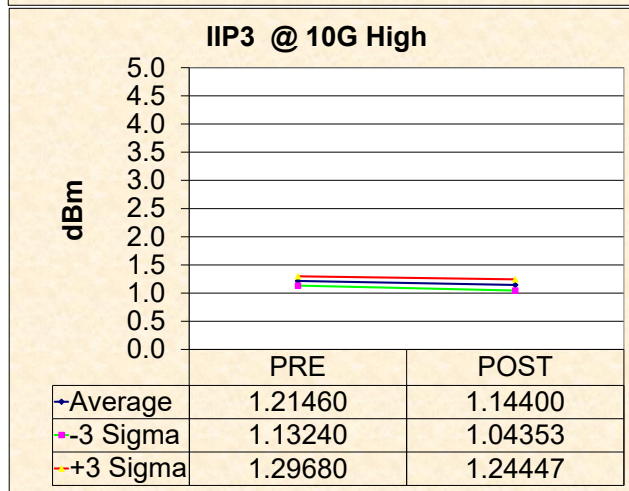
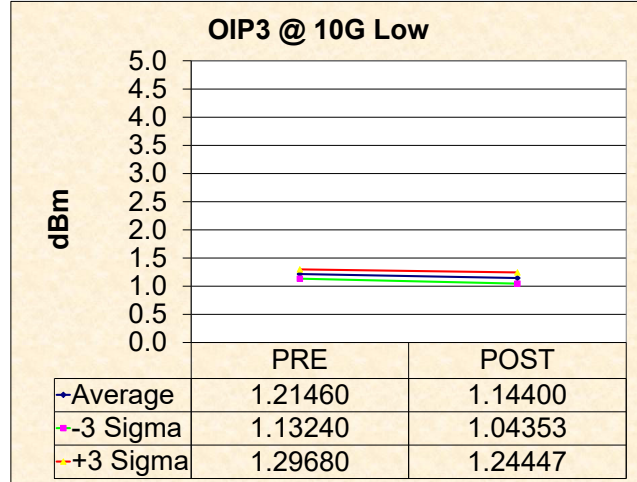
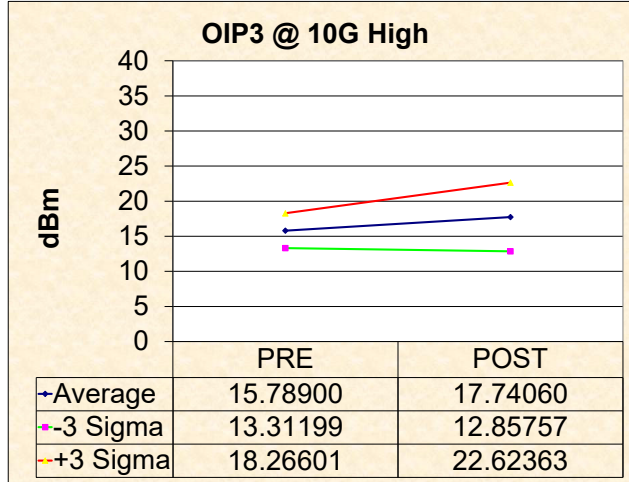
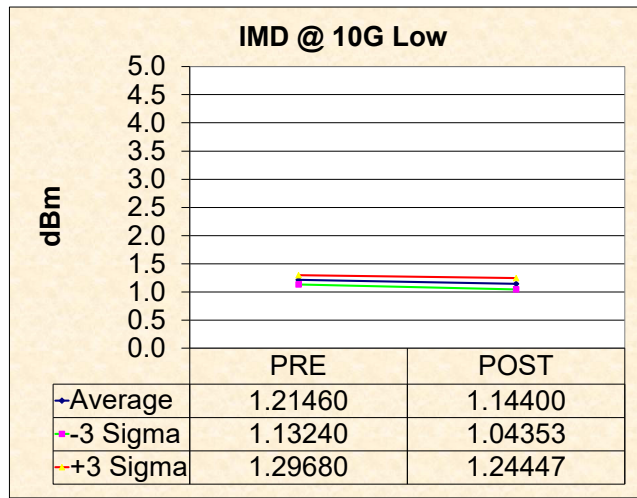
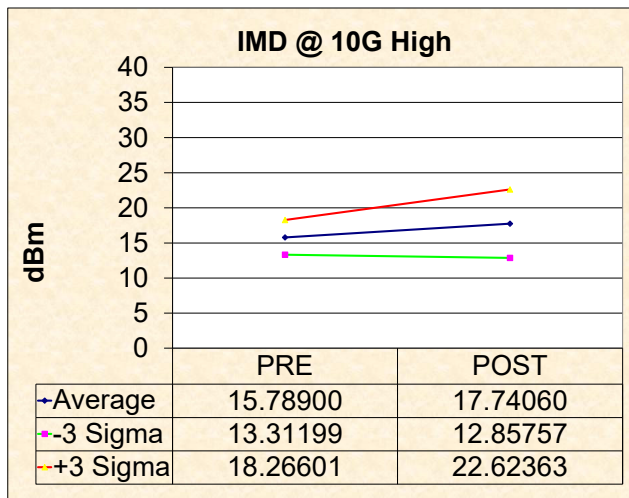


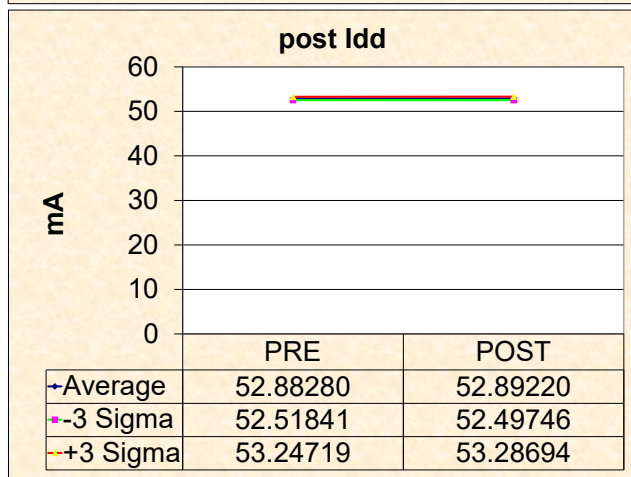
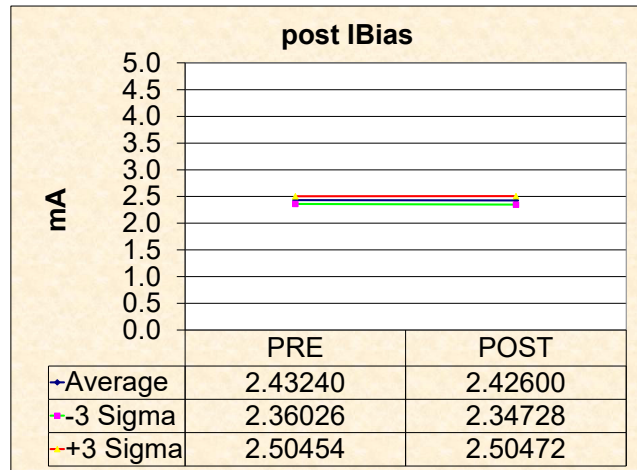
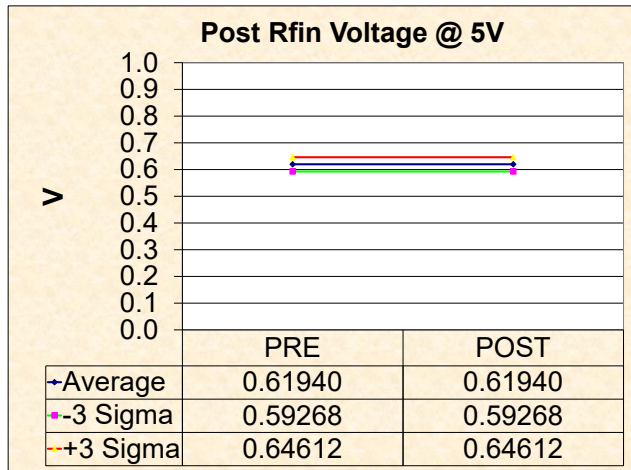














		Ibias @ Pinch-off (nA)		Idd @ Pinch-off (mA)		Idd @ 5V (mA)	
		PRE	POST	PRE	POST	PRE	POST
<b>CTRL</b>	<b>SN</b>						
	<b>1</b>	<b>-54.631</b>	<b>-66.392</b>	<b>1.471</b>	<b>1.487</b>	<b>52.59500</b>	<b>52.60000</b>
<b>50k</b>	<b>7</b>	-38.673	-108.491	1.509	1.490	52.612	52.627
	<b>8</b>	-46.956	-108.448	1.479	1.475	52.527	52.550
	<b>9</b>	-55.544	-114.916	1.488	1.509	52.608	52.601
	<b>10</b>	-76.353	-139.265	1.507	1.497	52.631	52.628
	<b>11</b>	-21.455	-70.170	1.509	1.504	52.668	52.668
	<b>Min</b>	-76.353	-139.265	1.479	1.475	52.527	52.550
	<b>Max</b>	-21.455	-70.170	1.509	1.509	52.668	52.668
	<b>Mean</b>	-47.796	-108.258	1.498	1.495	52.609	52.615
	<b>Std. Dev</b>	20.3305	24.7818	0.0140	0.0133	0.052	0.043
	<b>Mean - 3 Sigma</b>	-108.7877	-182.6034	1.4564	1.4551	52.454	52.485
	<b>Mean + 3 Sigma</b>	13.1953	-33.9126	1.5404	1.5349	52.764	52.745

		S21 Gain @ 1G (dB)		S11 @ 1G (dB)		S22 @ 1G (dB)	
		PRE	POST	PRE	POST	PRE	POST
<b>CTRL</b>	<b>SN</b>						
	<b>1</b>	<b>15.373</b>	<b>15.429</b>	<b>-24.384</b>	<b>-23.731</b>	<b>-23.305</b>	<b>-23.542</b>
<b>50k</b>	<b>7</b>	15.412	15.435	-23.641	-23.729	-23.153	-22.917
	<b>8</b>	15.419	15.458	-23.714	-23.290	-23.905	-24.049
	<b>9</b>	15.411	15.412	-23.217	-24.027	-22.693	-22.664
	<b>10</b>	15.429	15.457	-23.638	-23.863	-23.260	-22.858
	<b>11</b>	15.340	15.351	-22.881	-23.632	-21.749	-21.503
	<b>Min</b>	15.340	15.351	-23.714	-24.027	-23.905	-24.049
	<b>Max</b>	15.429	15.458	-22.881	-23.290	-21.749	-21.503
	<b>Mean</b>	15.402	15.423	-23.418	-23.708	-22.952	-22.798
	<b>Std. Dev</b>	0.0355	0.0442	0.3586	0.2769	0.7997	0.9052
	<b>Mean - 3 Sigma</b>	15.2957	15.2899	-24.4941	-24.5389	-25.3510	-25.5139
	<b>Mean + 3 Sigma</b>	15.5087	15.5553	-22.3423	-22.8775	-20.5530	-20.0825

		Cold_Noise @ 1G (dBm)		Hot_Noise @ 1G (dBm)	
		PRE	POST	PRE	POST
<b>CTRL</b>	<b>SN</b>				
	<b>1</b>	<b>-73.563</b>	<b>-73.496</b>	<b>-59.111</b>	<b>-59.148</b>
<b>50k</b>	<b>7</b>	-73.549	-73.548	-59.034	-59.109
	<b>8</b>	-73.532	-73.533	-59.109	-59.094
	<b>9</b>	-73.421	-73.465	-59.041	-59.161
	<b>10</b>	-73.441	-73.507	-59.031	-59.063
	<b>11</b>	-73.521	-73.456	-59.095	-59.120
	<b>Min</b>	-73.549	-73.548	-59.109	-59.161
	<b>Max</b>	-73.421	-73.456	-59.031	-59.063
	<b>Mean</b>	-73.493	-73.502	-59.062	-59.109
	<b>Std. Dev</b>	0.0577	0.0406	0.0370	0.0359
	<b>Mean - 3 Sigma</b>	-73.6660	-73.6235	-59.1731	-59.2172
	<b>Mean + 3 Sigma</b>	-73.3196	-73.3801	-58.9509	-59.0016

		IP1dB @ 1G (dBm)		OP1dB @ 1G (dBm)		Pin_Lo @ 1G (dBm)	
		PRE	POST	PRE	POST	PRE	POST
<b>CTRL</b>	<b>SN</b>						
	<b>1</b>	<b>5.830</b>	<b>5.693</b>	<b>20.193</b>	<b>20.121</b>	<b>-10.193</b>	<b>-10.292</b>
<b>50k</b>	<b>7</b>	5.948	5.714	20.310	20.127	-10.199	-10.296
	<b>8</b>	5.664	5.666	20.114	20.107	-10.203	-10.269
	<b>9</b>	5.860	5.667	20.255	20.100	-10.210	-10.298
	<b>10</b>	5.732	5.675	20.187	20.124	-10.210	-10.285
	<b>11</b>	5.816	5.950	20.197	20.257	-10.224	-10.305
	<b>Min</b>	5.664	5.666	20.114	20.100	-10.224	-10.305
	<b>Max</b>	5.948	5.950	20.310	20.257	-10.199	-10.269
	<b>Mean</b>	5.804	5.734	20.213	20.143	-10.209	-10.291
	<b>Std. Dev</b>	0.1105	0.1221	0.0740	0.0647	0.0095	0.0140
	<b>Mean - 3 Sigma</b>	5.4726	5.3681	19.9906	19.9488	-10.2378	-10.3327
	<b>Mean + 3 Sigma</b>	6.1354	6.1007	20.4346	20.3372	-10.1806	-10.2485

		Pout_Lo @ 1G (dBm)		Pin_Hi @ 1G (dBm)		Pout_Hi @ 1G (dBm)	
		PRE	POST	PRE	POST	PRE	POST
<b>CTRL</b>	<b>SN</b>						
	1	5.172	5.121	-10.001	-10.091	5.312	5.284
<b>50k</b>	7	5.197	5.123	-9.998	-10.090	5.327	5.264
	8	5.218	5.165	-9.999	-10.074	5.371	5.309
	9	5.207	5.117	-9.996	-10.078	5.328	5.256
	10	5.223	5.171	-9.977	-10.081	5.388	5.299
	11	5.113	5.054	-10.009	-10.079	5.291	5.210
	Min	5.113	5.054	-10.009	-10.090	5.291	5.210
	Max	5.223	5.171	-9.977	-10.074	5.388	5.309
	Mean	5.192	5.126	-9.996	-10.080	5.341	5.268
	Std. Dev	0.0451	0.0470	0.0116	0.0059	0.0386	0.0393
	Mean - 3 Sigma	5.0564	4.9851	-10.0307	-10.0982	5.2251	5.1498
	Mean + 3 Sigma	5.3268	5.2669	-9.9609	-10.0626	5.4569	5.3854

		IMD @ 1G High (dBm)		IMD @ 1G Low (dBm)		OIP3 @ 1G High (dBm)	
		PRE	POST	PRE	POST	PRE	POST
<b>CTRL</b>	<b>SN</b>						
	1	-54.693	-54.239	-52.672	-54.218	35.315	35.046
<b>50k</b>	7	-55.836	-53.095	-52.543	-54.575	35.909	34.4
	8	-53.613	-55.905	-54.905	-57.171	34.863	35.9
	9	-57.861	-53.285	-54.256	-53.540	36.922	34.5
	10	-53.474	-52.654	-53.406	-52.087	34.820	34.3
	11	-57.900	-57.115	-55.187	-53.357	36.886	36.4
	Min	-57.900	-57.115	-55.187	-57.171	34.820	34.275
	Max	-53.474	-52.654	-52.543	-52.087	36.922	36.372
	Mean	-55.737	-54.411	-54.059	-54.146	35.880	35.106
	Std. Dev	2.1698	1.9768	1.0899	1.9081	1.0316	0.9647
	Mean - 3 Sigma	-62.2462	-60.3411	-57.3291	-59.8704	32.7853	32.2123
	Mean + 3 Sigma	-49.2274	-48.4805	-50.7897	-48.4216	38.9747	38.0005

		OIP3 @ 1G Low (dBm)		IIP3 @ 1G High (dBm)		IIP3 @ 1G Low (dBm)	
		PRE	POST	PRE	POST	PRE	POST
<b>CTRL</b>	<b>SN</b>						
	1	34.094	34.790	20.002	19.671	18.729	19.378
<b>50k</b>	7	34.067	34.972	20.584	19.090	18.671	19.553
	8	35.280	36.334	19.493	20.532	19.859	20.899
	9	34.939	34.445	21.598	19.192	19.522	19.031
	10	34.537	33.800	19.455	18.896	19.104	18.344
	11	35.263	34.259	21.587	21.083	19.926	18.900
	Min	34.067	33.800	19.455	18.896	18.671	18.344
	Max	35.280	36.334	21.598	21.083	19.926	20.899
	Mean	34.817	34.762	20.543	19.759	19.416	19.345
	Std. Dev	0.517	0.974	1.060	0.983	0.529	0.969
	Mean - 3 Sigma	33.266	31.840	17.365	16.810	17.829	16.438
	Mean + 3 Sigma	36.368	37.684	23.722	22.707	21.004	22.253

		S21 Gain @5G (dB)		S11 @5G (dB)		S22 @5G (dB)	
		PRE	POST	PRE	POST	PRE	POST
<b>CTRL</b>	<b>SN</b>						
	1	13.964	14.062	-12.307	-12.185	-14.202	-14.589
<b>50k</b>	7	14.002	14.022	-12.223	-12.304	-14.269	-14.406
	8	14.021	14.042	-12.223	-12.667	-13.857	-14.163
	9	14.005	14.044	-12.211	-12.059	-14.612	-14.274
	10	14.027	14.099	-12.392	-12.489	-14.343	-14.593
	11	13.981	13.953	-12.094	-12.325	-14.557	-15.037
	Min	13.981	13.953	-12.392	-12.667	-14.612	-15.037
	Max	14.027	14.099	-12.094	-12.059	-13.857	-14.163
	Mean	14.007	14.032	-12.229	-12.369	-14.328	-14.495
	Std. Dev	0.0180	0.0526	0.1063	0.2266	0.2994	0.3429
	Mean - 3 Sigma	13.953	13.874	-12.547	-13.049	-15.226	-15.523
	Mean + 3 Sigma	14.061	14.190	-11.910	-11.689	-13.429	-13.466

		Cold_Noise @5G (dBm)		Hot_Noise @5G (dBm)	
		PRE	POST	PRE	POST
<b>CTRL</b>	<b>1</b>	<b>-79.179</b>	<b>-79.265</b>	<b>-64.815</b>	<b>-64.879</b>
<b>50k</b>	<b>7</b>	-79.151	-79.170	-64.938	-64.927
	<b>8</b>	-79.129	-79.187	-64.879	-64.813
	<b>9</b>	-79.158	-79.280	-64.900	-64.874
	<b>10</b>	-79.203	-79.246	-64.810	-64.877
	<b>11</b>	-79.227	-79.299	-64.968	-64.942
	<b>Min</b>	-79.227	-79.299	-64.968	-64.942
	<b>Max</b>	-79.129	-79.170	-64.810	-64.813
	<b>Mean</b>	-79.174	-79.236	-64.899	-64.887
	<b>Std. Dev</b>	0.040	0.056	0.060	0.051
	<b>Mean - 3 Sigma</b>	-79.294	-79.406	-65.080	-65.039
	<b>Mean + 3 Sigma</b>	-79.053	-79.067	-64.718	-64.734

		IP1dB @5G (dBm)		OP1dB @5G (dBm)		Pin_Lo @ 5G (dBm)	
		PRE	POST	PRE	POST	PRE	POST
<b>CTRL</b>	<b>1</b>	<b>6.673</b>	<b>6.442</b>	<b>19.645</b>	<b>19.578</b>	<b>-10.286</b>	<b>-10.440</b>
<b>50k</b>	<b>7</b>	6.702	6.610	19.722	19.656	-10.315	-10.427
	<b>8</b>	6.655	6.716	19.688	19.722	-10.331	-10.460
	<b>9</b>	6.760	6.753	19.733	19.711	-10.316	-10.438
	<b>10</b>	6.515	6.546	19.615	19.640	-10.307	-10.452
	<b>11</b>	7.100	6.676	19.939	19.647	-10.302	-10.447
	<b>Min</b>	6.515	6.546	19.615	19.640	-10.331	-10.460
	<b>Max</b>	7.100	6.753	19.939	19.722	-10.302	-10.427
	<b>Mean</b>	6.746	6.660	19.739	19.675	-10.314	-10.445
	<b>Std. Dev</b>	0.217	0.083	0.1207	0.0383	0.0110	0.0128
	<b>Mean - 3 Sigma</b>	6.094	6.411	19.3772	19.5602	-10.3473	-10.4831
	<b>Mean + 3 Sigma</b>	7.399	6.909	20.1016	19.7902	-10.2811	-10.4065

		Pout_Lo @ 5G (dBm)		Pin_Hi @ 5G (dBm)		Pout_Hi @ 5G (dBm)	
		PRE	POST	PRE	POST	PRE	POST
<b>CTRL</b>	<b>1</b>	<b>3.621</b>	<b>3.604</b>	<b>-10.486</b>	<b>-10.641</b>	<b>3.435</b>	<b>3.409</b>
<b>50k</b>	<b>7</b>	3.694	3.584	-10.475	-10.608	3.478	3.369
	<b>8</b>	3.707	3.624	-10.481	-10.634	3.519	3.385
	<b>9</b>	3.689	3.580	-10.492	-10.627	3.465	3.363
	<b>10</b>	3.727	3.632	-10.458	-10.614	3.522	3.420
	<b>11</b>	3.633	3.516	-10.451	-10.618	3.410	3.287
	<b>Min</b>	3.633	3.516	-10.492	-10.634	3.410	3.287
	<b>Max</b>	3.727	3.632	-10.451	-10.608	3.522	3.420
	<b>Mean</b>	3.690	3.587	-10.471	-10.620	3.479	3.365
	<b>Std. Dev</b>	0.0351	0.0461	0.0168	0.0104	0.0458	0.0488
	<b>Mean - 3 Sigma</b>	3.5847	3.4490	-10.5217	-10.6513	3.3413	3.2184
	<b>Mean + 3 Sigma</b>	3.7953	3.7254	-10.4211	-10.5891	3.6163	3.5112

		IMD @ 5G High (dBm)		IMD @ 5G Low (dBm)		OIP3 @ 5G High (dBm)	
		PRE	POST	PRE	POST	PRE	POST
<b>CTRL</b>	<b>1</b>	<b>-55.909</b>	<b>-53.825</b>	<b>-52.282</b>	<b>-56.494</b>	<b>33.107</b>	<b>32.027</b>
<b>50k</b>	<b>7</b>	-61.582	-55.927	-59.486	-51.885	36.007	33.017
	<b>8</b>	-58.168	-51.474	-60.858	-53.670	34.363	30.815
	<b>9</b>	-59.826	-54.978	-58.192	-57.242	35.111	32.534
	<b>10</b>	-63.938	-61.168	-68.032	-59.572	37.252	35.714
	<b>11</b>	-53.927	-52.921	-57.462	-54.923	32.079	31.390
	<b>Min</b>	-63.938	-61.168	-68.032	-59.572	32.079	30.815
	<b>Max</b>	-53.927	-51.474	-57.462	-51.885	37.252	35.714
	<b>Mean</b>	-59.488	-55.294	-60.806	-55.458	34.962	32.694
	<b>Std. Dev</b>	3.7739	3.7158	4.242	3.015	1.9384	1.9027
	<b>Mean - 3 Sigma</b>	-70.8098	-66.4409	-73.532	-64.503	29.1473	26.9858
	<b>Mean + 3 Sigma</b>	-48.1666	-44.1463	-48.080	-46.414	40.7775	38.4022

		OIP3 @ 5G Low (dBm)		IIP3 @ 5G High (dBm)		IIP3 @ 5G Low (dBm)	
		PRE	POST	PRE	POST	PRE	POST
<b>CTRL</b>	<b>SN</b>						
	1	31.573	33.652	19.186	17.976	17.666	19.609
<b>50k</b>	7	35.284	31.319	22.054	19.040	21.275	17.307
	8	35.990	32.271	20.362	16.796	21.951	18.187
	9	34.629	33.991	21.154	18.544	20.624	19.973
	10	39.607	35.234	23.272	21.680	25.573	21.150
	11	34.180	32.735	18.218	17.485	20.246	18.772
	Min	34.180	31.319	18.218	16.796	20.246	17.307
	Max	39.607	35.234	23.272	21.680	25.573	21.150
	Mean	35.938	33.110	21.012	18.709	21.934	19.078
	Std. Dev	2.1619	1.5281	1.9002	1.8789	2.136	1.510
	Mean - 3 Sigma	29.4522	28.5258	15.3115	13.0722	15.527	14.548
Mean + 3 Sigma	42.4238	37.6942	26.7125	24.3458	28.340	23.607	

		S21 Gain @10G (dB)		S11 @10G (dB)		S22 @10G (dB)	
		PRE	POST	PRE	POST	PRE	POST
<b>CTRL</b>	<b>SN</b>						
	1	11.325	11.495	-4.992	-4.770	-7.218	-7.436
<b>50k</b>	7	11.428	11.399	-5.186	-4.487	-7.657	-7.891
	8	11.362	11.329	-4.789	-5.284	-7.572	-7.719
	9	11.251	11.307	-4.986	-4.888	-7.941	-8.020
	10	11.443	11.426	-5.106	-4.617	-7.700	-8.289
	11	11.435	11.369	-5.182	-4.811	-7.515	-6.757
	Min	11.251	11.307	-5.186	-5.284	-7.941	-8.289
	Max	11.443	11.426	-4.789	-4.487	-7.515	-6.757
	Mean	11.384	11.366	-5.050	-4.817	-7.677	-7.735
	Std. Dev	0.0809	0.0489	0.1668	0.3050	0.1642	0.5851
	Mean - 3 Sigma	11.1410	11.2194	-5.5502	-5.7324	-8.1697	-9.4904
Mean + 3 Sigma	11.6266	11.5126	-4.5494	-3.9024	-7.1843	-5.9800	

		Cold_Noise @10G (dBm)		Hot_Noise @10G (dBm)	
		PRE	POST	PRE	POST
<b>CTRL</b>	<b>SN</b>				
	1	-73.779	-73.666	-68.620	-68.535
<b>50k</b>	7	-73.801	-73.807	-68.429	-68.548
	8	-73.764	-73.784	-68.555	-68.635
	9	-73.915	-73.871	-68.635	-68.551
	10	-73.734	-73.866	-68.529	-68.599
	11	-73.694	-73.884	-68.615	-68.582
	Min	-73.915	-73.884	-68.635	-68.635
	Max	-73.694	-73.784	-68.429	-68.548
	Mean	-73.782	-73.842	-68.553	-68.583
	Std. Dev	0.0843	0.0441	0.081	0.036
	Mean - 3 Sigma	-74.0345	-73.9746	-68.797	-68.691
Mean + 3 Sigma	-73.5287	-73.7102	-68.308	-68.475	

		IP1dB @10G (dBm)		OP1dB @10G (dBm)		Pin_Lo @ 10G (dBm)	
		PRE	POST	PRE	POST	PRE	POST
<b>CTRL</b>	<b>SN</b>						
	1	3.096	2.957	13.526	13.494	-10.349	-10.464
<b>50k</b>	7	3.008	3.385	13.478	13.6	-10.339	-10.427
	8	3.364	3.329	13.622	13.6	-10.354	-10.439
	9	3.342	3.465	13.591	13.6	-10.347	-10.484
	10	3.110	2.865	13.517	13.4	-10.355	-10.498
	11	3.232	3.056	13.640	13.5	-10.339	-10.445
	Min	3.008	2.865	13.478	13.353	-10.355	-10.498
	Max	3.364	3.465	13.640	13.6	-10.339	-10.427
	Mean	3.211	3.220	13.570	13.535	-10.347	-10.459
	Std. Dev	0.1520	0.2510	0.0695	0.1082	0.0078	0.0307
	Mean - 3 Sigma	2.7552	2.4669	13.3611	13.2101	-10.3701	-10.5506
Mean + 3 Sigma	3.6672	3.9731	13.7781	13.8595	-10.3235	-10.3666	

		Pout_Lo @ 10G (dBm)		Pin_Hi @ 10G (dBm)		Pout_Hi @ 10G (dBm)		
		SN	PRE	POST	PRE	POST	PRE	POST
CTRL	1		<b>0.99200</b>	<b>1.03200</b>	<b>-10.20300</b>	<b>-10.39000</b>	<b>1.19600</b>	<b>1.13500</b>
	7		1.06000	0.94200	-10.17500	-10.32700	1.19100	1.13900
50k	8		1.02900	0.93500	-10.20800	-10.33600	1.21600	1.09100
	9		0.96600	0.78800	-10.18900	-10.37000	1.08000	0.95500
	10		1.02600	1.00800	-10.22500	-10.33900	1.17000	1.05100
	11		1.09500	0.95900	-10.19000	-10.36400	1.21600	1.07300
	Min		0.96600	0.78800	-10.22500	-10.37000	1.08000	0.95500
	Max		1.09500	1.00800	-10.17500	-10.32700	1.21600	1.13900
	Mean		1.03520	0.92640	-10.19740	-10.34720	1.17460	1.06180
	Std. Dev		0.04770	0.08245	0.01937	0.01873	0.05627	0.06794
	Mean - 3 Sigma		0.89209	0.67904	-10.25552	-10.40338	1.00578	0.85799
	Mean + 3 Sigma		1.17831	1.17376	-10.13928	-10.29102	1.34342	1.26561

		IMD @ 10G High (dBm)		IMD @ 10G Low (dBm)		OIP3 @ 10G High (dBm)		
		SN	PRE	POST	PRE	POST	PRE	POST
CTRL	1		<b>-53.61600</b>	<b>-57.77000</b>	<b>-53.25700</b>	<b>-52.56000</b>	<b>28.60200</b>	<b>30.58800</b>
	7		-52.56700	-56.05800	-50.00900	-51.93900	28.07000	29.73800
50k	8		-51.34600	-53.80300	-55.90000	-51.19400	27.49700	28.53800
	9		-57.74100	-52.22800	-50.57700	-49.64900	30.49100	27.54600
	10		-49.91900	-50.82300	-49.70600	-54.19400	26.71400	26.98900
	11		-52.79900	-51.32300	-55.04200	-50.49100	28.22300	27.27100
	Min		-57.74100	-56.05800	-55.90000	-54.19400	26.71400	26.98900
	Max		-49.91900	-50.82300	-49.70600	-49.64900	30.49100	29.73800
	Mean		-52.87440	-52.84700	-52.24680	-51.49340	28.19900	28.01640
	Std. Dev		2.95188	2.12290	2.97534	1.73119	1.41143	1.12566
	Mean - 3 Sigma		-61.73004	-59.21569	-61.17283	-56.68697	23.96472	24.63943
	Mean + 3 Sigma		-44.01876	-46.47831	-43.32077	-46.29983	32.43328	31.39337

		OIP3 @ 10G Low (dBm)		IIP3 @ 10G High (dBm)		IIP3 @ 10G Low (dBm)		
		SN	PRE	POST	PRE	POST	PRE	POST
CTRL	1		<b>28.11600</b>	<b>27.82800</b>	<b>17.20300</b>	<b>19.06300</b>	<b>16.77500</b>	<b>16.33200</b>
	7		26.59500	27.38200	16.70400	18.27200	15.19600	16.01300
50k	8		29.49400	26.99900	16.07300	17.11100	18.11000	15.62500
	9		26.73700	26.00600	19.22200	16.22100	15.42500	14.73500
	10		26.39200	28.60900	15.32000	15.59800	15.01100	17.10300
	11		29.16300	26.68400	16.81700	15.83400	17.73000	15.28000
	Min		26.39200	26.00600	15.32000	15.59800	15.01100	14.73500
	Max		29.49400	28.60900	19.22200	18.27200	18.11000	17.10300
	Mean		27.67620	27.13600	16.82720	16.60720	16.29440	15.75120
	Std. Dev		1.51783	0.96569	1.46550	1.09440	1.49723	0.88974
	Mean - 3 Sigma		23.12271	24.23893	12.43069	13.32400	11.80271	13.08199
	Mean + 3 Sigma		32.22969	30.03307	21.22371	19.89040	20.78609	18.42041

		post_Ibias @ Pinch-Off (nA)		post_Idd @ Pinch-off (mA)		Post Rfin Voltage @ 5V (V)		
		SN	PRE	POST	PRE	POST	PRE	POST
CTRL	1		<b>-387.50800</b>	<b>-305.71100</b>	<b>1.45500</b>	<b>1.46100</b>	<b>0.62700</b>	<b>0.62700</b>
	7		-408.07800	-344.73200	1.46100	1.47800	0.63100	0.63100
50k	8		-426.79500	-342.54000	1.47000	1.45000	0.62800	0.62900
	9		-429.31600	-365.13800	1.47600	1.49100	0.62600	0.62600
	10		-418.86700	-358.28800	1.48700	1.47400	0.63100	0.63100
	11		-417.35800	-21.85200	1.48900	1.48200	0.61300	0.61300
	Min		-429.31600	-365.13800	1.46100	1.45000	0.61300	0.61300
	Max		-408.07800	-21.85200	1.48900	1.49100	0.63100	0.63100
	Mean		-420.08280	-286.51000	1.47660	1.47500	0.62580	0.62600
	Std. Dev		8.41611	148.24596	0.01172	0.01533	0.00746	0.00755
	Mean - 3 Sigma		-445.33113	-731.24789	1.44145	1.42901	0.60341	0.60335
	Mean + 3 Sigma		-394.83447	158.22789	1.51175	1.52099	0.64819	0.64865

		Post Ibias (mA)		Post Idd (mA)	
SN		PRE	POST	PRE	POST
<b>CTRL</b>	<b>1</b>	<b>2.44000</b>	<b>2.44000</b>	<b>52.76000</b>	<b>52.75300</b>
	<b>7</b>	2.42100	2.41900	52.94900	52.96500
<b>50k</b>	<b>8</b>	2.49900	2.49700	53.00000	52.98900
	<b>9</b>	2.42600	2.41300	52.68900	52.70600
	<b>10</b>	2.39600	2.38700	52.76200	52.76600
	<b>11</b>	2.34300	2.34300	52.89800	52.91200
	<b>Min</b>	2.34300	2.34300	52.68900	52.70600
	<b>Max</b>	2.49900	2.49700	53.00000	52.98900
	<b>Mean</b>	2.41700	2.41180	52.85960	52.86760
	<b>Std. Dev</b>	0.05643	0.05626	0.13020	0.12513
	<b>Mean - 3 Sigma</b>	2.24771	2.24302	52.46900	52.49220
	<b>Mean + 3 Sigma</b>	2.58629	2.58058	53.25020	53.24300

