



AHEAD OF WHAT'S POSSIBLE™

HIGH DOSE RADIATION TEST REPORT ADH361S

September 2020
Generic



Radiation Test Report	
Product:	ADH361S
Gamma:	0, 10k, 30k, 50k, 100k, 24hr
Gamma Source:	Co60/TM1019 Condition A
Dose Rate:	124 Rad/s
Facilities:	VPT RAD
Tested:	9/15/20

The RADTEST® DATA SERVICE is a compilation of radiation test results on Analog Devices' Space grade products. It is designed to assist customers in selecting the right product for applications where radiation is a consideration. Many products manufactured by Analog Devices, Inc. have been shown to be radiation tolerant to most tactical radiation environments. Analog Devices, Inc. does not make any claim to maintain or guarantee these levels of radiation tolerance without lot qualification test.

It is the responsibility of the Procuring Activity to screen products from Analog Devices, Inc. for compliance to Nuclear Hardness Critical Items (HCI) specifications.

Warning:

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	SN	Supply Current Vcc = 5V	
		0K	100K
CTRL	2	81.953	82.055
	8	81.778	81.763
	12	81.758	81.532
	14	81.417	81.281
	17	80.909	80.864
	22	81.783	81.668
	26	81.848	81.833
	27	81.818	81.271
	30	81.402	81.386
	32	81.220	81.331
	35	81.988	82.024
min		80.909	80.864
max		81.988	82.024
mean		81.592	81.495
std. dev		0.341	0.338
mean - 3 sigma		80.570	80.481
mean +3 sigma		82.614	82.510

	SN	+Output Power (+Fin = 1GHz, -15dBm)		-Output Power (+Fin = 1GHz, -15dBm)	
		0K	100K	0K	100K
CTRL	2	3.961	3.908	3.863	3.894
	8	3.947	3.940	3.86	3.847
	12	3.871	3.834	3.767	3.695
	14	3.897	3.915	3.809	3.820
	17	3.847	3.832	3.757	3.736
	22	3.929	3.904	3.837	3.805
	26	3.941	3.920	3.848	3.818
	27	3.928	3.830	3.826	3.664
	30	3.921	3.917	3.828	3.820
	32	3.882	3.898	3.799	3.810
	35	3.952	3.961	3.853	3.858
min		3.847	3.830	3.757	3.664
max		3.952	3.961	3.860	3.858
mean		3.912	3.895	3.818	3.788
std. dev		0.035	0.047	0.035	0.066
mean - 3 sigma		3.805	3.754	3.713	3.591
mean +3 sigma		4.018	4.036	3.924	3.985

	SN	+Output Power (-Fin = 1GHz, -15dBm)		-Output Power (-Fin = 1GHz, -15dBm)	
		0K	100K	0K	100K
CTRL	2	3.888	3.956	3.914	3.947
	8	3.889	3.861	3.916	3.887
	12	3.856	3.767	3.877	3.787
	14	3.849	3.843	3.875	3.872
	17	3.787	3.747	3.816	3.777
	22	3.883	3.839	3.914	3.872
	26	3.887	3.841	3.918	3.866
	27	3.86	3.664	3.886	3.683
	30	3.854	3.840	3.884	3.870
	32	3.826	3.827	3.856	3.856
	35	3.887	3.882	3.918	3.910
min		3.787	3.664	3.816	3.683
max		3.889	3.882	3.918	3.910
mean		3.858	3.811	3.886	3.838
std. dev		0.032	0.066	0.033	0.069
mean - 3 sigma		3.761	3.613	3.787	3.633
mean +3 sigma		3.955	4.008	3.985	4.044

	SN	+Output Power (+Fin = 1GHz, 10dBm)		-Output Power (+Fin = 1GHz, 10dBm)	
		0K	100K	0K	100K
CTRL	2	4.09	4.012	3.881	3.809
	8	4.164	4.132	3.887	3.900
	12	4.083	4.003	3.793	3.744
	14	4.155	4.111	3.836	3.872
	17	4.167	4.025	3.785	3.791
	22	4.076	4.096	3.873	3.866
	26	4.148	4.103	3.882	3.867
	27	4.214	3.994	3.852	3.706
	30	4.106	4.108	3.852	3.872
	32	4.11	4.091	3.828	3.865
	35	4.185	4.143	3.882	3.909
min		4.076	3.994	3.785	3.706
max		4.214	4.143	3.887	3.909
mean		4.141	4.081	3.847	3.840
std. dev		0.045	0.053	0.037	0.068
mean - 3 sigma		4.005	3.921	3.737	3.635
mean +3 sigma		4.277	4.241	3.957	4.045

	SN	+Output Power (-Fin = 1GHz, 10dBm)		-Output Power (-Fin = 1GHz, 10dBm)	
		0K	100K	0K	100K
CTRL	2	4.118	4.062	3.954	3.865
	8	4.118	4.057	3.958	3.958
	12	4.081	3.961	3.922	3.853
	14	4.087	4.045	3.913	3.940
	17	4.022	3.953	3.857	3.851
	22	4.113	4.038	3.962	3.947
	26	4.118	4.037	3.963	3.936
	27	4.09	3.863	3.926	3.740
	30	4.09	4.039	3.928	3.939
	32	4.058	4.026	3.899	3.931
	35	4.116	4.074	3.961	3.979
min		4.022	3.863	3.857	3.740
max		4.118	4.074	3.963	3.979
mean		4.089	4.009	3.929	3.907
std. dev		0.031	0.064	0.034	0.072
mean - 3 sigma		3.997	3.816	3.826	3.691
mean +3 sigma		4.182	4.202	4.031	4.124

	SN	+Output Power (+Fin = 4GHz, -15dBm)		-Output Power (+Fin = 4GHz, -15dBm)	
		0K	100K	0K	100K
CTRL	2	3.588	2.827	3.499	2.821
	8	3.579	3.600	3.5	3.503
	12	3.512	3.476	3.425	3.357
	14	3.51	3.566	3.437	3.474
	17	3.474	3.466	3.392	3.370
	22	3.556	3.556	3.474	3.455
	26	3.557	3.570	3.473	3.475
	27	3.553	3.449	3.467	3.312
	30	3.531	3.558	3.448	3.462
	32	3.497	3.555	3.419	3.462
	35	3.586	3.621	3.503	3.525
min		3.474	3.449	3.392	3.312
max		3.586	3.621	3.503	3.525
mean		3.536	3.542	3.454	3.440
std. dev		0.037	0.058	0.036	0.069
mean - 3 sigma		3.425	3.368	3.346	3.233
mean +3 sigma		3.646	3.716	3.562	3.647

	SN	+Output Power (-Fin = 4GHz, -15dBm)		-Output Power (-Fin = 4GHz, -15dBm)	
		0K	100K	0K	100K
CTRL	2	3.778	3.138	3.685	3.139
	8	3.77	3.706	3.675	3.607
	12	3.75	3.614	3.653	3.514
	14	3.725	3.692	3.629	3.595
	17	3.661	3.577	3.566	3.479
	22	3.775	3.701	3.682	3.605
	26	3.764	3.710	3.672	3.612
	27	3.756	3.522	3.663	3.416
	30	3.731	3.679	3.637	3.583
	32	3.699	3.682	3.606	3.583
	35	3.787	3.757	3.699	3.655
min		3.661	3.522	3.566	3.416
max		3.787	3.757	3.699	3.655
mean		3.742	3.664	3.648	3.565
std. dev		0.039	0.071	0.040	0.073
mean - 3 sigma		3.626	3.451	3.529	3.347
mean +3 sigma		3.858	3.877	3.768	3.783

	SN	+Output Power (+Fin = 4GHz, 10dBm)		-Output Power (+Fin = 4GHz, 10dBm)	
		0K	100K	0K	100K
CTRL	2	3.351	2.819	3.477	2.819
	8	3.345	3.371	3.479	3.468
	12	3.273	3.242	3.401	3.321
	14	3.266	3.336	3.42	3.444
	17	3.233	3.237	3.377	3.340
	22	3.32	3.328	3.451	3.425
	26	3.313	3.340	3.453	3.440
	27	3.315	3.210	3.449	3.281
	30	3.291	3.328	3.436	3.432
	32	3.258	3.323	3.393	3.426
	35	3.351	3.394	3.479	3.483
min		3.233	3.210	3.377	3.281
max		3.351	3.394	3.479	3.483
mean		3.297	3.311	3.434	3.406
std. dev		0.039	0.061	0.035	0.068
mean - 3 sigma		3.180	3.129	3.328	3.204
mean +3 sigma		3.413	3.493	3.539	3.609

	SN	+Output Power (-Fin = 4GHz, 10dBm)		-Output Power (-Fin = 4GHz, 10dBm)	
		0K	100K	0K	100K
CTRL	2	3.852	3.132	3.902	3.133
	8	3.844	3.792	3.894	3.810
	12	3.826	3.702	3.869	3.716
	14	3.789	3.774	3.853	3.801
	17	3.732	3.662	3.787	3.682
	22	3.848	3.784	3.902	3.815
	26	3.835	3.797	3.89	3.809
	27	3.828	3.600	3.877	3.621
	30	3.804	3.765	3.858	3.792
	32	3.772	3.766	3.825	3.783
	35	3.862	3.842	3.913	3.852
min		3.732	3.600	3.787	3.621
max		3.862	3.842	3.913	3.852
mean		3.814	3.748	3.867	3.768
std. dev		0.040	0.072	0.038	0.072
mean - 3 sigma		3.694	3.531	3.752	3.553
mean +3 sigma		3.934	3.965	3.981	3.983

	SN	+Output Power (+Fin = 8GHz, -15dBm)		-Output Power (+Fin = 8GHz, -15dBm)	
		0K	100K	0K	100K
CTRL	2	2.777	1.182	2.763	1.166
	8	2.739	2.746	2.74	2.729
	12	2.731	2.643	2.727	2.600
	14	2.649	2.677	2.663	2.670
	17	2.651	2.568	2.649	2.555
	22	2.746	2.722	2.739	2.710
	26	2.706	2.722	2.707	2.711
	27	2.74	2.589	2.736	2.525
	30	2.678	2.633	2.696	2.628
	32	2.691	2.720	2.688	2.715
	35	2.794	2.780	2.793	2.774
min		2.649	2.568	2.649	2.525
max		2.794	2.780	2.793	2.774
mean		2.713	2.680	2.714	2.661
std. dev		0.046	0.070	0.042	0.082
mean - 3 sigma		2.574	2.471	2.587	2.417
mean +3 sigma		2.851	2.890	2.841	2.906

	SN	+Output Power (-Fin = 8GHz, -15dBm)		-Output Power (-Fin = 8GHz, -15dBm)	
		0K	100K	0K	100K
CTRL	2	3.284	1.619	3.315	1.623
	8	3.239	3.162	3.274	3.191
	12	3.314	3.115	3.349	3.136
	14	3.213	3.165	3.253	3.196
	17	3.154	2.994	3.19	3.028
	22	3.31	3.236	3.344	3.272
	26	3.239	3.212	3.273	3.246
	27	3.271	3.018	3.306	3.029
	30	3.204	3.085	3.23	3.119
	32	3.217	3.189	3.252	3.228
	35	3.33	3.271	3.363	3.296
min		3.154	2.994	3.190	3.028
max		3.330	3.271	3.363	3.296
mean		3.249	3.144	3.283	3.174
std. dev		0.056	0.091	0.056	0.094
mean - 3 sigma		3.080	2.871	3.115	2.891
mean +3 sigma		3.418	3.418	3.452	3.457

	SN	+Output Power (+Fin = 8GHz, 2dBm)		-Output Power (+Fin = 8GHz, 2dBm)	
		0K	100K	0K	100K
CTRL	2	2.674	1.099	2.884	1.192
	8	2.648	2.645	2.874	2.869
	12	2.636	2.524	2.842	2.721
	14	2.541	2.579	2.801	2.817
	17	2.555	2.470	2.784	2.703
	22	2.651	2.635	2.89	2.862
	26	2.609	2.620	2.835	2.854
	27	2.639	2.476	2.861	2.647
	30	2.587	2.543	2.832	2.779
	32	2.596	2.623	2.818	2.854
	35	2.7	2.681	2.916	2.912
min		2.541	2.470	2.784	2.647
max		2.700	2.681	2.916	2.912
mean		2.616	2.579	2.845	2.802
std. dev		0.048	0.073	0.041	0.086
mean - 3 sigma		2.472	2.360	2.724	2.543
mean +3 sigma		2.761	2.799	2.967	3.060

	SN	+Output Power (-Fin = 8GHz, 2dBm)		-Output Power (-Fin = 8GHz, 2dBm)	
		0K	100K	0K	100K
CTRL	2	3.243	1.59	3.365	1.698
	8	3.197	3.107	3.332	3.251
	12	3.267	3.049	3.391	3.181
	14	3.171	3.103	3.309	3.253
	17	3.121	2.945	3.254	3.098
	22	3.279	3.192	3.407	3.340
	26	3.194	3.153	3.331	3.306
	27	3.231	2.951	3.361	3.068
	30	3.171	3.042	3.312	3.194
	32	3.167	3.134	3.304	3.280
	35	3.287	3.205	3.417	3.355
min		3.121	2.945	3.254	3.068
max		3.287	3.205	3.417	3.355
mean		3.209	3.088	3.342	3.233
std. dev		0.055	0.091	0.052	0.097
mean - 3 sigma		3.042	2.815	3.187	2.942
mean +3 sigma		3.375	3.360	3.497	3.523

	SN	+Output Power (+Fin = 11GHz, -15dBm)		-Output Power (+Fin = 11GHz, -15dBm)	
		0K	100K	0K	100K
CTRL	2	0.283	-1.85	0.153	-1.893
	8	0.207	-0.027	0.114	-0.165
	12	0.162	-0.021	0.055	-0.197
	14	0.048	0.034	-0.033	-0.109
	17	-0.013	-0.277	-0.121	-0.419
	22	0.151	-0.042	0.044	-0.193
	26	0.159	0.149	0.06	-0.004
	27	0.244	-0.145	0.122	-0.369
	30	-0.096	-0.145	-0.206	-0.284
	32	0.091	0.035	-0.02	-0.102
	35	0.302	0.247	0.196	0.103
min		-0.096	-0.277	-0.206	-0.419
max		0.302	0.247	0.196	0.103
mean		0.126	-0.020	0.021	-0.174
std. dev		0.120	0.150	0.120	0.159
mean - 3 sigma		-0.236	-0.471	-0.338	-0.649
mean +3 sigma		0.487	0.432	0.380	0.302

	SN	+Output Power (-Fin = 11GHz, -15dBm)		-Output Power (-Fin = 11GHz, -15dBm)	
		0K	100K	0K	100K
CTRL	2	0.235	-1.605	0.268	-1.636
	8	0.127	-0.048	0.186	-0.022
	12	0.099	-0.094	0.147	-0.067
	14	0.1	0.089	0.135	0.106
	17	-0.023	-0.290	0.018	-0.261
	22	0.231	0.035	0.262	0.060
	26	0.187	0.204	0.24	0.215
	27	0.243	-0.160	0.268	-0.153
	30	-0.118	-0.157	-0.088	-0.124
	32	0.104	0.111	0.146	0.131
	35	0.39	0.403	0.443	0.429
min		-0.118	-0.290	-0.088	-0.261
max		0.390	0.403	0.443	0.429
mean		0.134	0.009	0.176	0.032
std. dev		0.142	0.203	0.145	0.201
mean - 3 sigma		-0.292	-0.600	-0.260	-0.572
mean +3 sigma		0.560	0.617	0.611	0.635

	SN	+Output Power (+Fin = 11GHz, 0dBm)		-Output Power (+Fin = 11GHz, 0dBm)	
		0K	100K	0K	100K
CTRL	2	0.165	-1.73	-0.114	-1.859
	8	0.06	-0.108	-0.034	-0.313
	12	0.012	-0.194	-0.19	-0.429
	14	-0.017	-0.041	-0.266	-0.289
	17	-0.076	-0.332	-0.26	-0.533
	22	0.103	-0.079	-0.129	-0.339
	26	0.011	0.054	-0.105	-0.243
	27	0.154	-0.288	-0.152	-0.557
	30	-0.132	-0.191	-0.319	-0.401
	32	-0.05	-0.055	-0.2	-0.279
	35	0.165	0.128	-0.025	-0.114
min		-0.132	-0.332	-0.319	-0.557
max		0.165	0.128	-0.025	-0.114
mean		0.023	-0.110	-0.168	-0.350
std. dev		0.098	0.144	0.098	0.134
mean - 3 sigma		-0.270	-0.543	-0.462	-0.753
mean +3 sigma		0.316	0.322	0.126	0.053

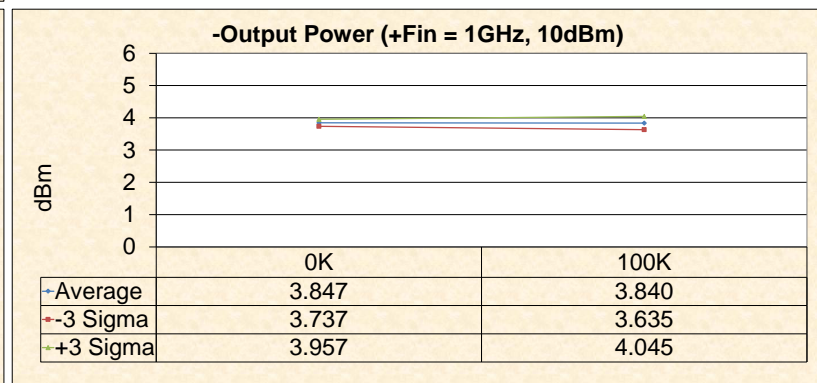
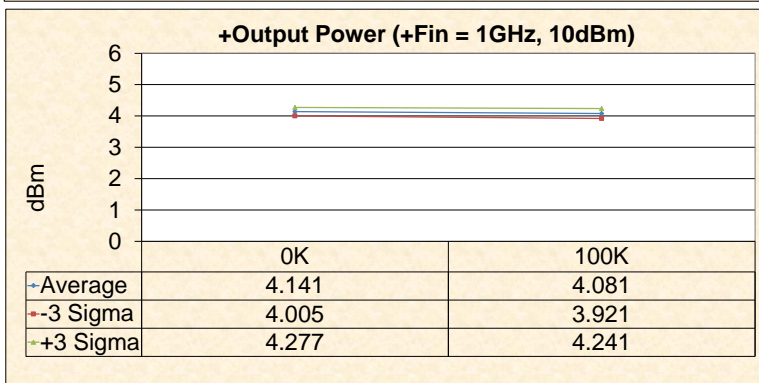
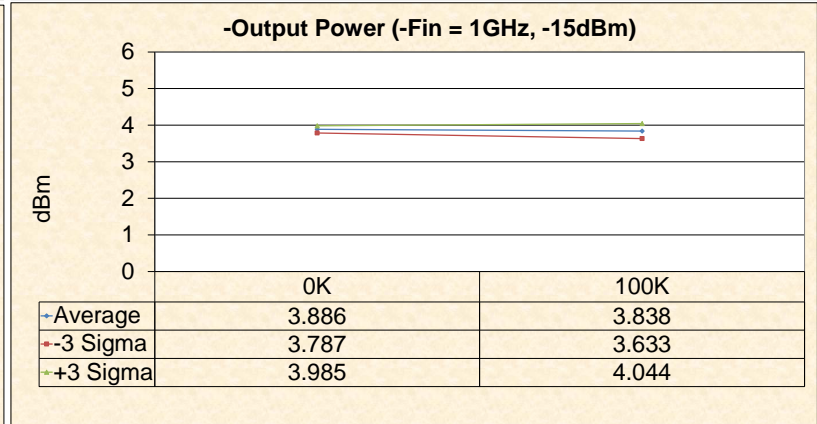
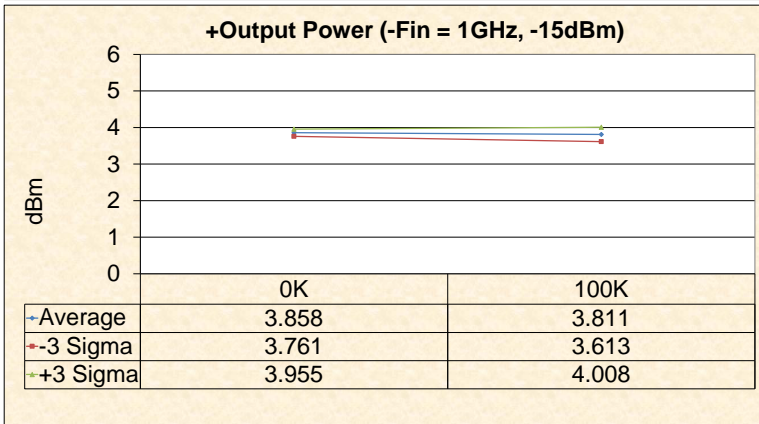
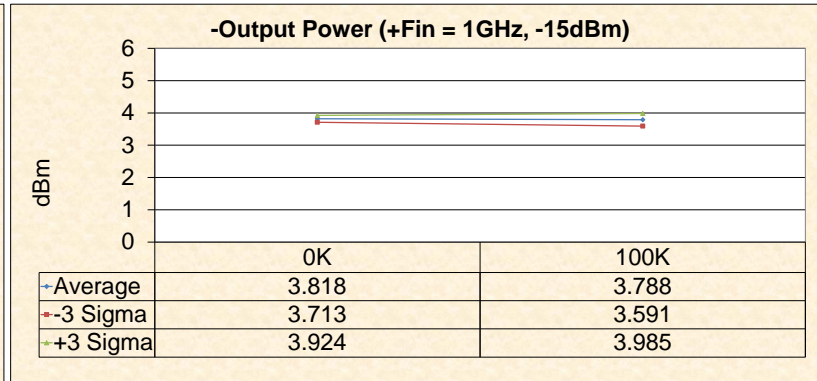
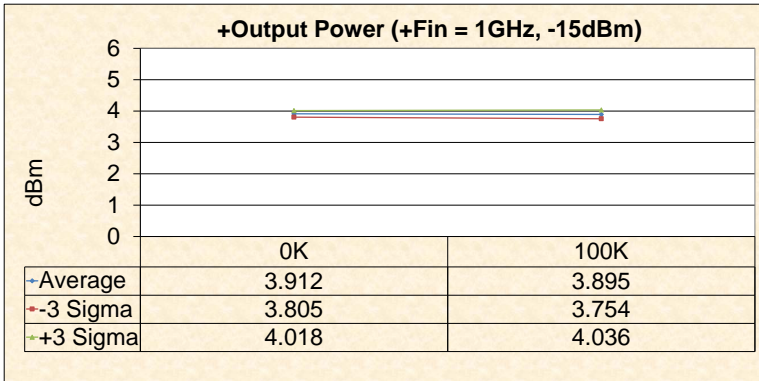
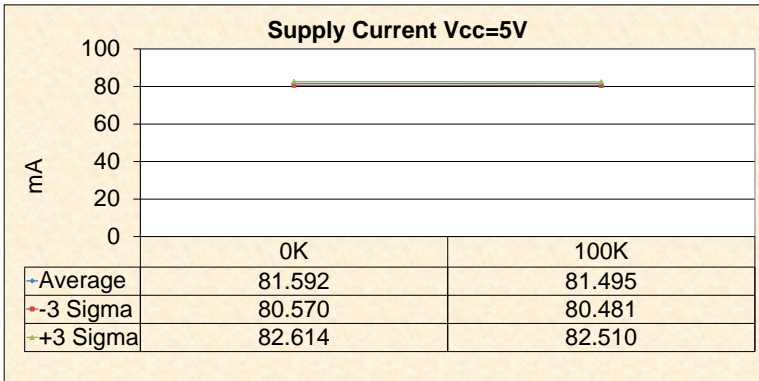
	SN	+Output Power (-Fin = 11GHz, 0dBm)		-Output Power (-Fin = 11GHz, 0dBm)	
		0K	100K	0K	100K
CTRL	2	0.258	-1.538	-0.059	-1.656
	8	0.108	-0.020	-0.029	-0.251
	12	0.09	-0.120	-0.162	-0.351
	14	0.155	0.130	-0.16	-0.146
	17	0.031	-0.228	-0.199	-0.451
	22	0.308	0.127	0.019	-0.158
	26	0.172	0.230	0.014	-0.099
	27	0.292	-0.161	-0.066	-0.402
	30	-0.053	-0.087	-0.28	-0.318
	32	0.092	0.139	-0.097	-0.118
	35	0.39	0.409	0.161	0.139
min		-0.053	-0.228	-0.280	-0.451
max		0.390	0.409	0.161	0.139
mean		0.159	0.042	-0.080	-0.215
std. dev		0.136	0.199	0.128	0.176
mean - 3 sigma		-0.250	-0.554	-0.463	-0.742
mean +3 sigma		0.567	0.638	0.304	0.311

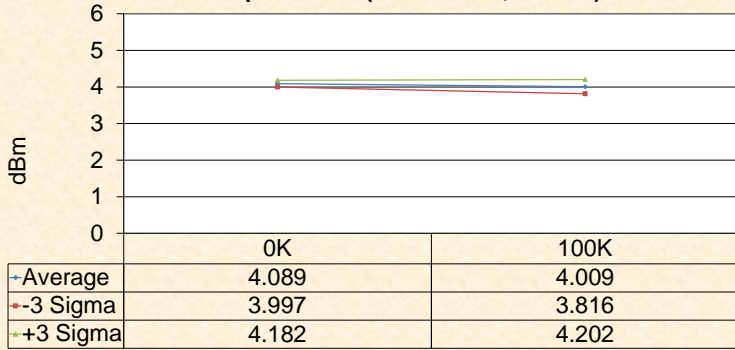
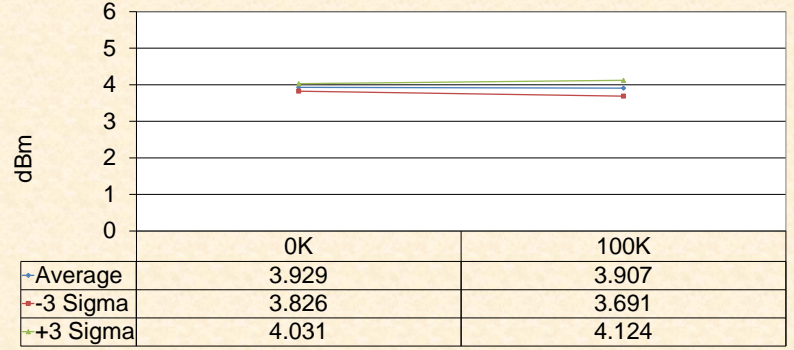
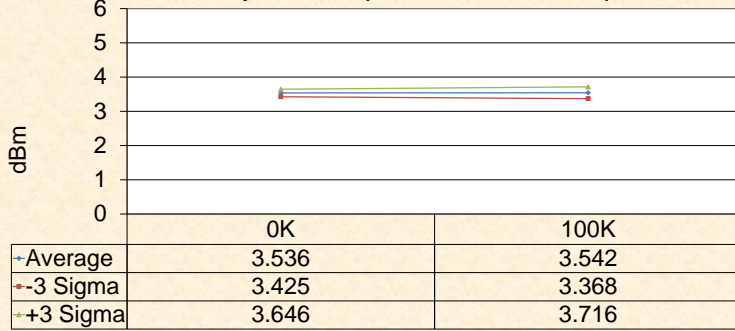
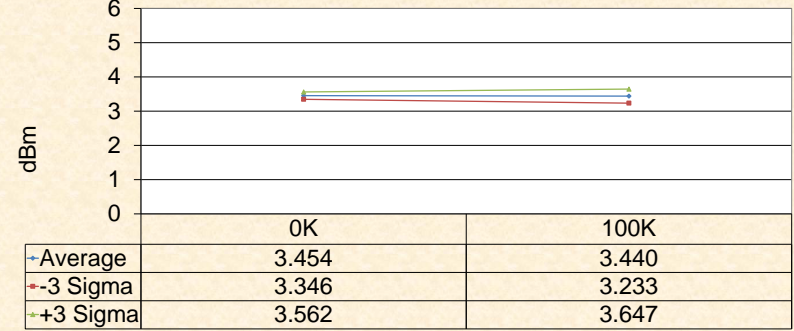
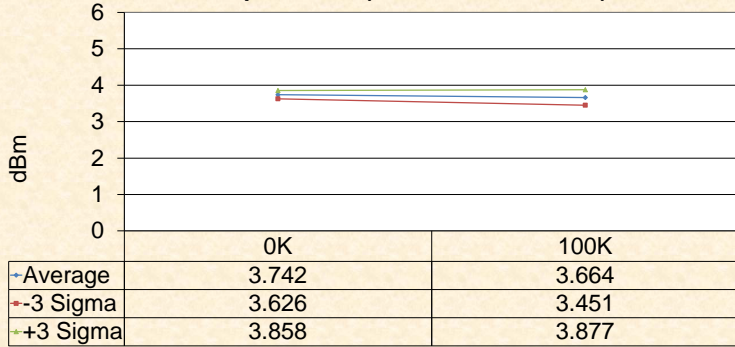
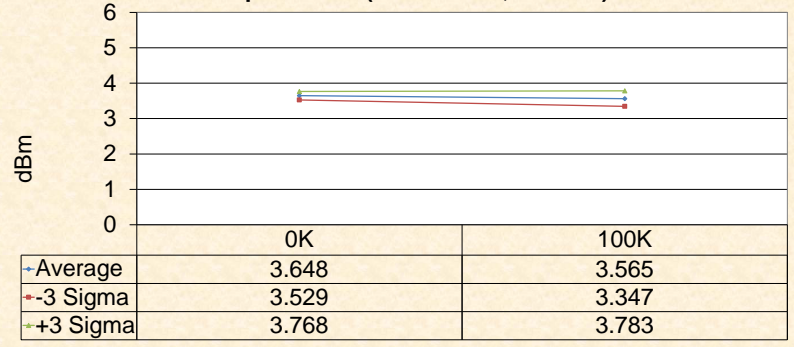
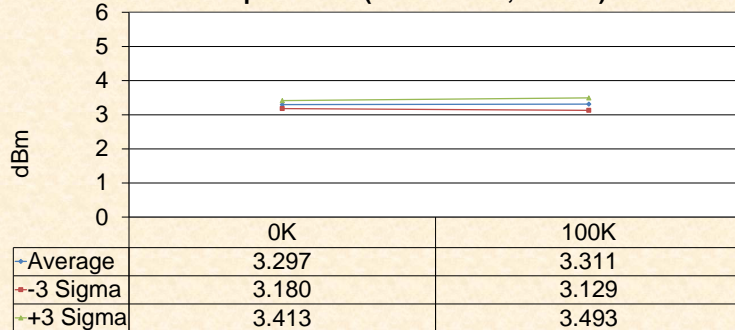
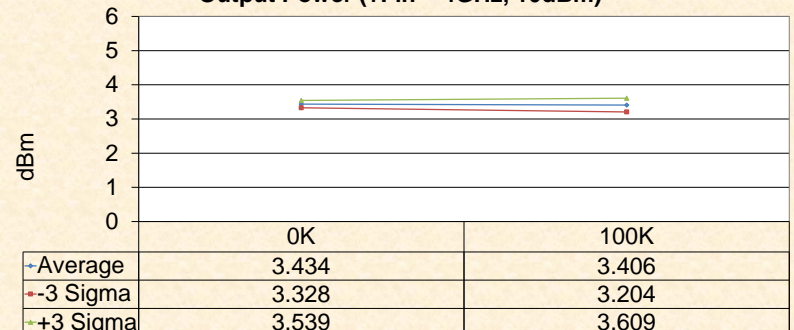
	SN	+Output Power (+Fin = 12GHz, -10dBm)		-Output Power (+Fin = 12GHz, -10dBm)	
		0K	100K	0K	100K
CTRL	2	-1.224	-2.921	-1.539	-3.053
	8	-1.377	-1.540	-1.646	-1.858
	12	-1.317	-1.579	-1.61	-1.911
	14	-1.431	-1.455	-1.719	-1.781
	17	-1.489	-1.825	-1.773	-2.131
	22	-1.289	-1.505	-1.595	-1.837
	26	-1.373	-1.353	-1.659	-1.670
	27	-1.249	-1.679	-1.548	-2.050
	30	-1.548	-1.679	-1.847	-1.996
	32	-1.452	-1.460	-1.744	-1.766
	35	-1.204	-1.265	-1.494	-1.580
min		-1.548	-1.825	-1.847	-2.131
max		-1.204	-1.265	-1.494	-1.580
mean		-1.373	-1.534	-1.664	-1.858
std. dev		0.109	0.165	0.108	0.170
mean - 3 sigma		-1.701	-2.031	-1.988	-2.369
mean +3 sigma		-1.045	-1.038	-1.339	-1.348

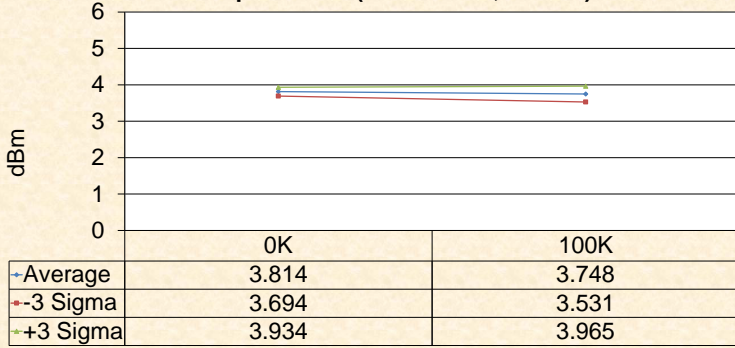
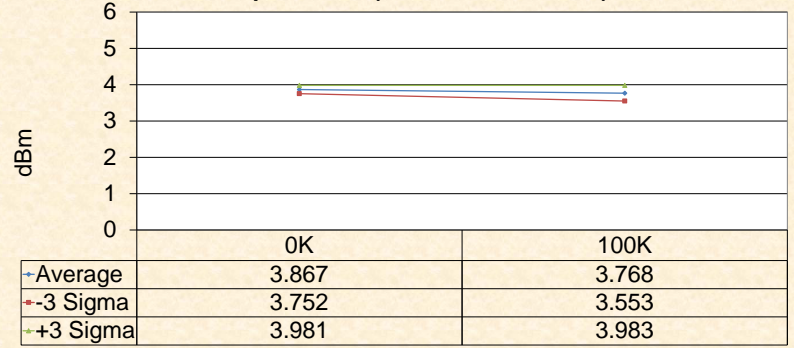
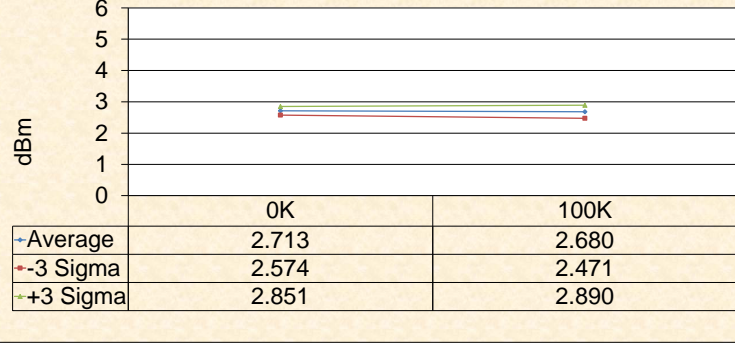
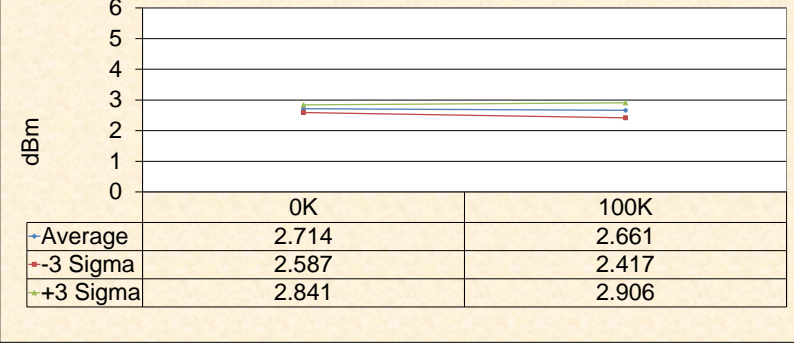
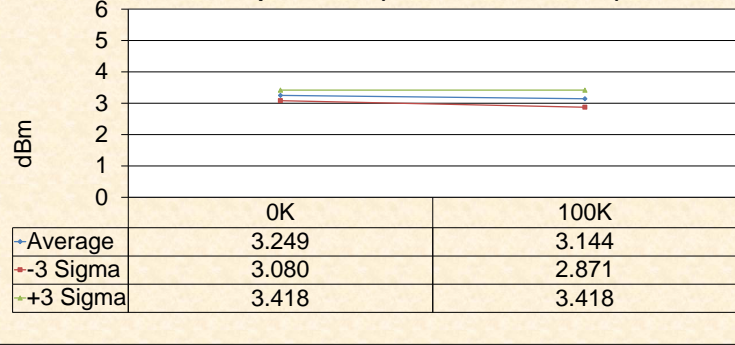
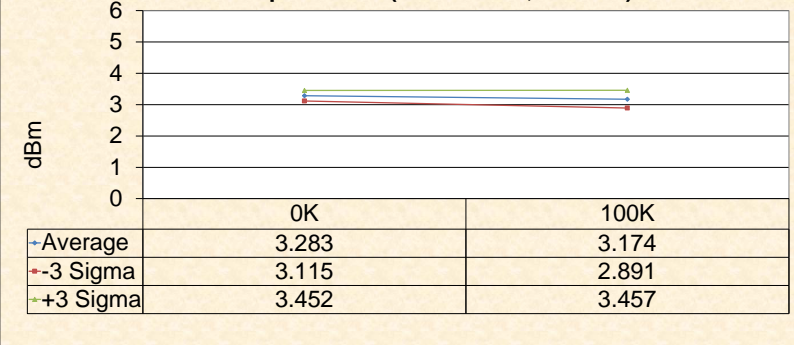
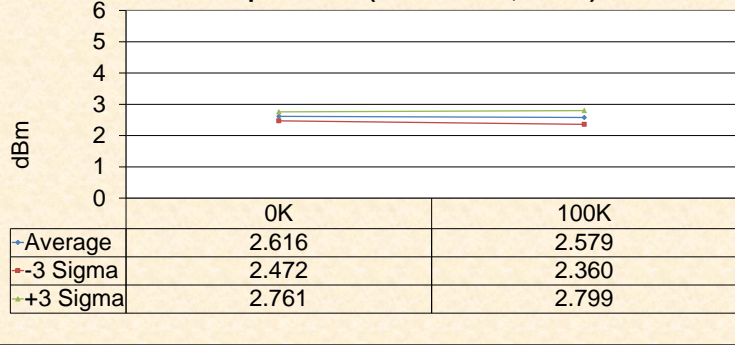
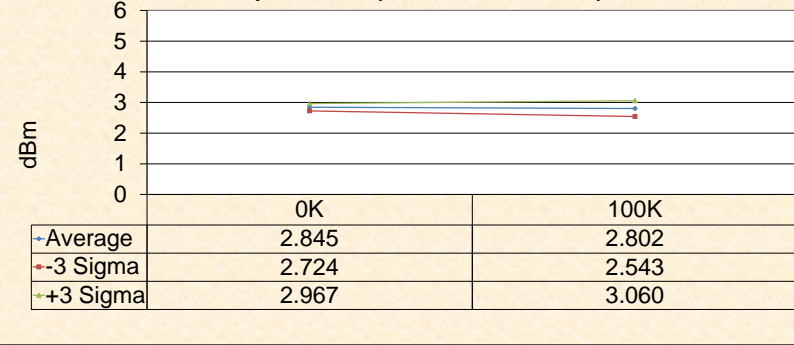
	SN	+Output Power (-Fin = 12GHz, -10dBm)		-Output Power (-Fin = 12GHz, -10dBm)	
		0K	100K	0K	100K
CTRL	2	-1.486	-3.079	-1.674	-3.182
	8	-1.703	-1.824	-1.862	-2.000
	12	-1.636	-1.876	-1.813	-2.050
	14	-1.644	-1.679	-1.833	-1.880
	17	-1.821	-2.113	-1.988	-2.286
	22	-1.483	-1.678	-1.66	-1.882
	26	-1.577	-1.562	-1.749	-1.758
	27	-1.522	-1.895	-1.701	-2.089
	30	-1.873	-1.962	-2.053	-2.149
	32	-1.681	-1.662	-1.85	-1.848
	35	-1.363	-1.340	-1.526	-1.532
min		-1.873	-2.113	-2.053	-2.286
max		-1.363	-1.340	-1.526	-1.532
mean		-1.630	-1.759	-1.804	-1.947
std. dev		0.153	0.221	0.154	0.215
mean - 3 sigma		-2.090	-2.422	-2.266	-2.592
mean +3 sigma		-1.171	-1.096	-1.341	-1.302

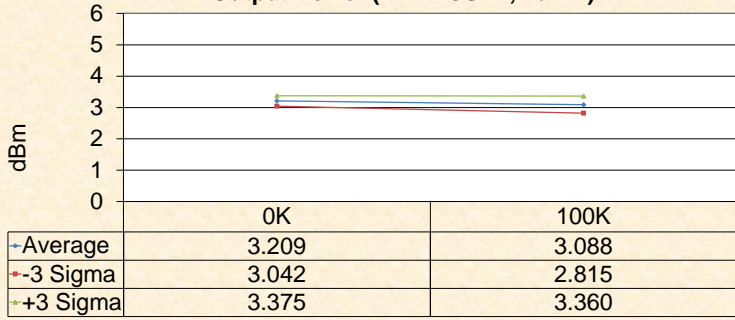
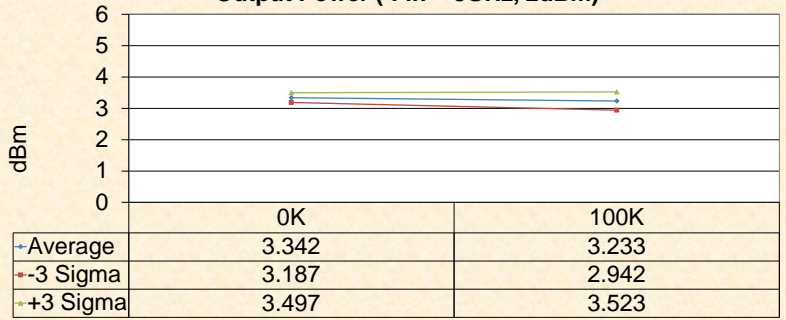
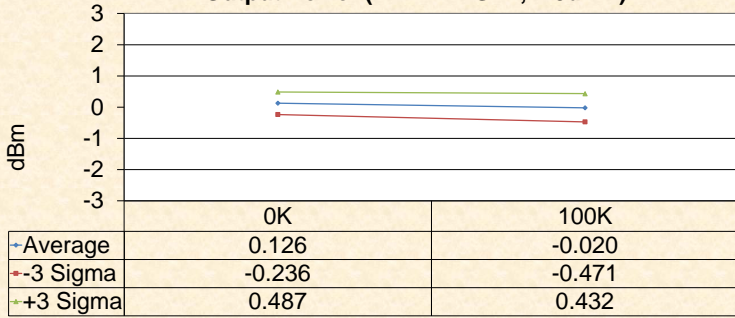
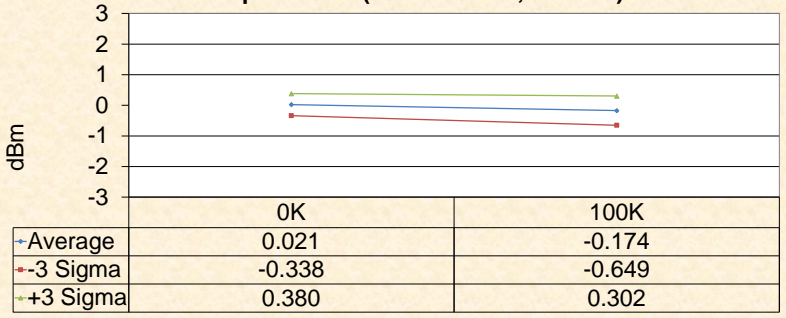
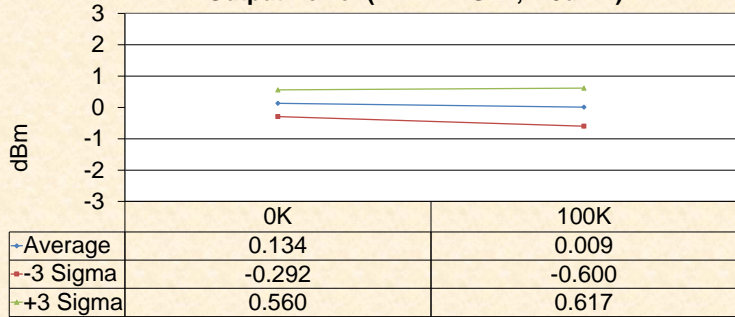
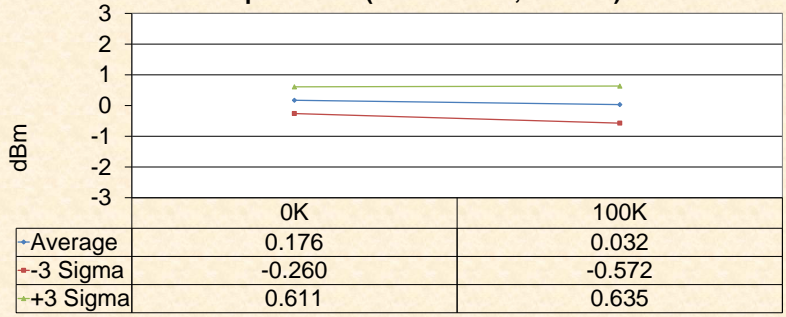
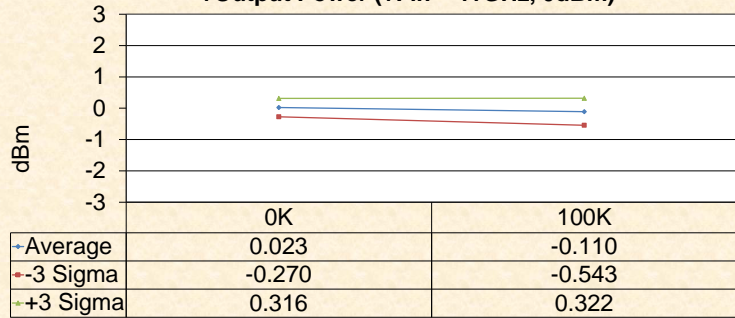
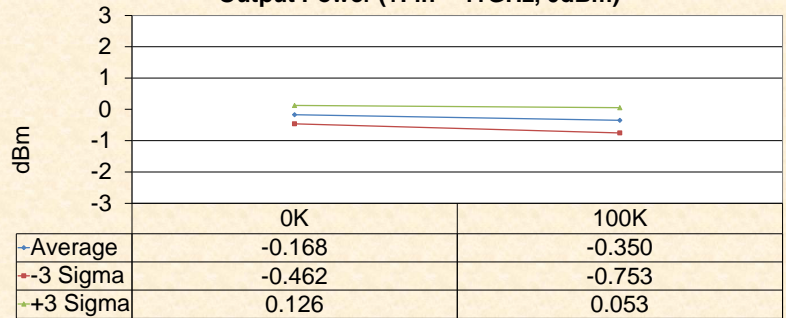
	SN	+Output Power (+Fin = 12GHz, 0dBm)		-Output Power (+Fin = 12GHz, 0dBm)	
		0K	100K	0K	100K
CTRL	2	-1.278	-2.855	-1.652	-3.161
	8	-1.422	-1.571	-1.714	-1.914
	12	-1.37	-1.66	-1.711	-2.006
	14	-1.45	-1.475	-1.823	-1.869
	17	-1.516	-1.833	-1.819	-2.153
	22	-1.29	-1.487	-1.643	-1.857
	26	-1.426	-1.399	-1.741	-1.781
	27	-1.291	-1.76	-1.646	-2.160
	30	-1.564	-1.678	-1.889	-2.015
	32	-1.498	-1.504	-1.824	-1.845
	35	-1.247	-1.314	-1.596	-1.682
min		-1.564	-1.833	-1.889	-2.160
max		-1.247	-1.314	-1.596	-1.682
mean		-1.407	-1.568	-1.741	-1.928
std. dev		0.106	0.163	0.096	0.155
mean - 3 sigma		-1.726	-2.058	-2.028	-2.393
mean +3 sigma		-1.089	-1.078	-1.453	-1.464

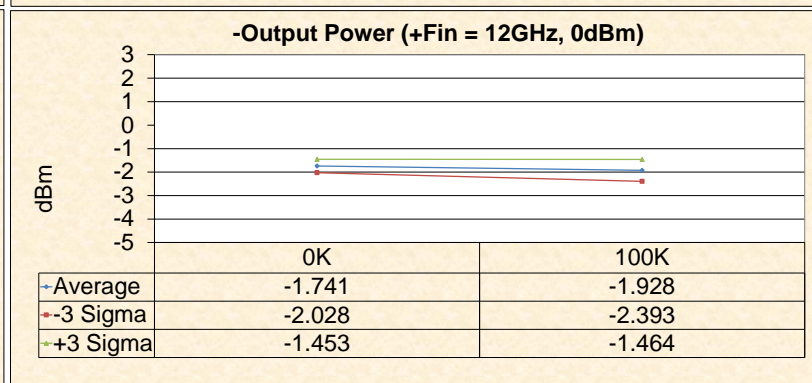
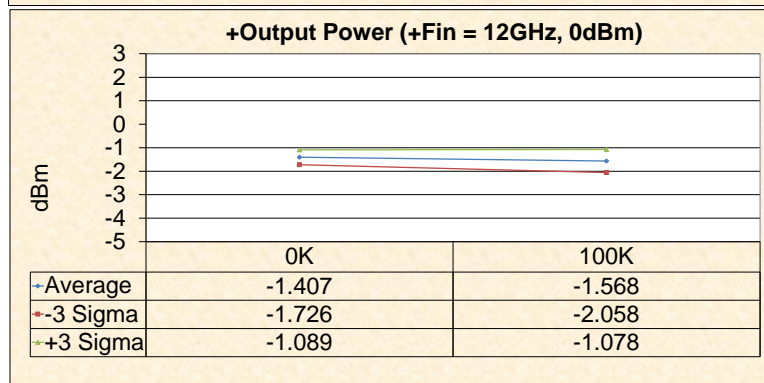
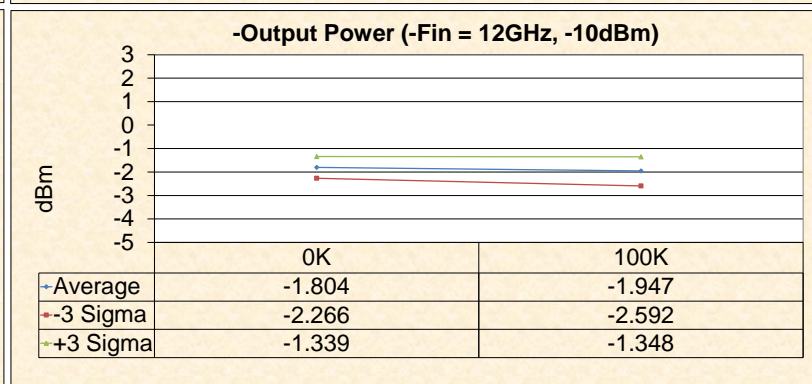
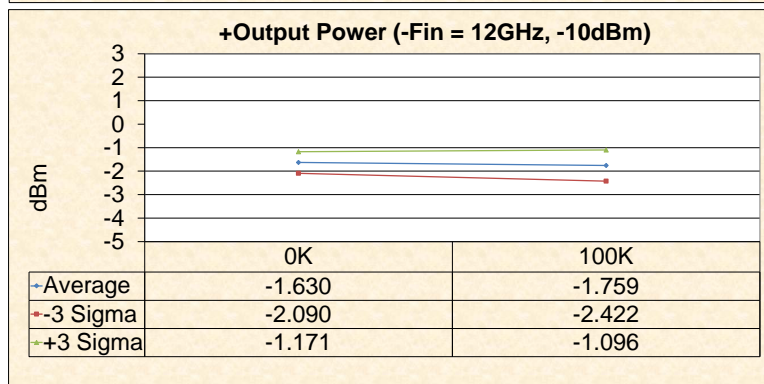
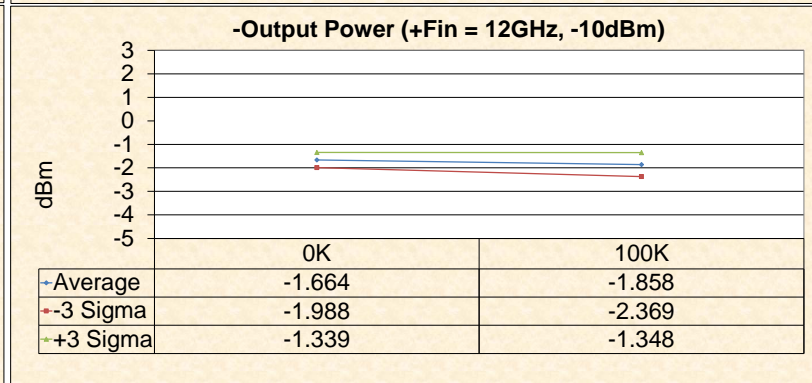
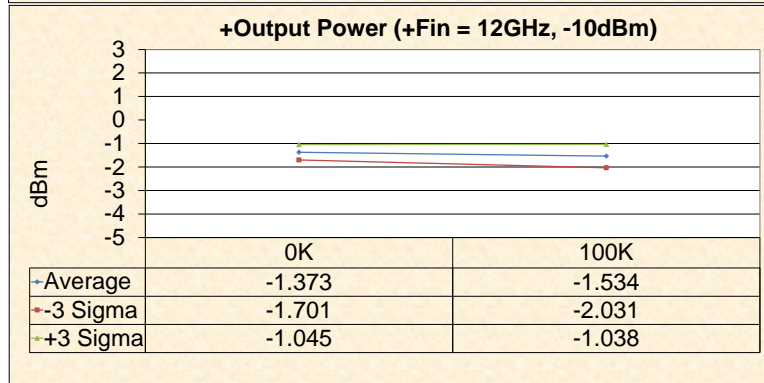
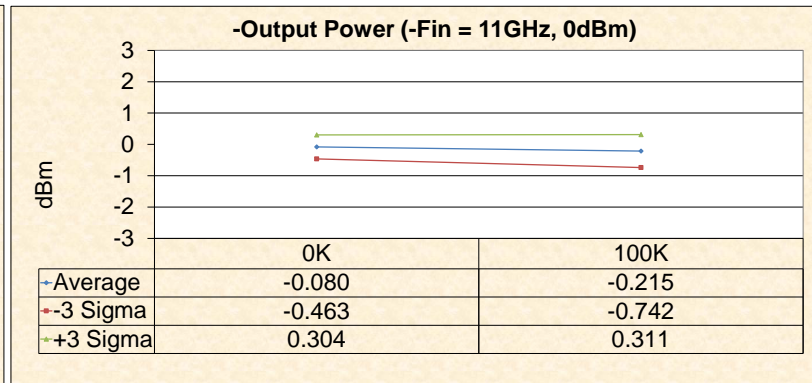
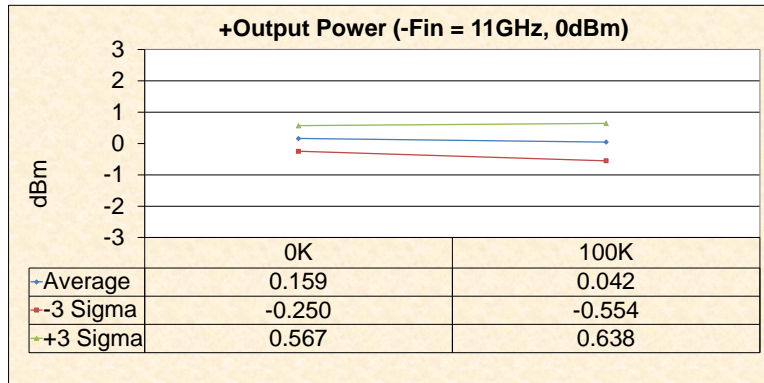
	SN	+Output Power (-Fin = 12GHz, 0dBm)		-Output Power (-Fin = 12GHz, 0dBm)	
		0K	100K	0K	100K
CTRL	2	-1.457	-3.023	-1.708	-3.309
	8	-1.669	-1.778	-1.851	-1.979
	12	-1.614	-1.884	-1.842	-2.068
	14	-1.586	-1.629	-1.88	-1.888
	17	-1.766	-2.045	-1.957	-2.226
	22	-1.41	-1.586	-1.643	-1.822
	26	-1.544	-1.535	-1.758	-1.789
	27	-1.484	-1.903	-1.72	-2.119
	30	-1.802	-1.889	-2.022	-2.092
	32	-1.653	-1.631	-1.856	-1.848
	35	-1.323	-1.316	-1.552	-1.56
min		-1.802	-2.045	-2.022	-2.226
max		-1.323	-1.316	-1.552	-1.560
mean		-1.585	-1.720	-1.808	-1.939
std. dev		0.150	0.218	0.142	0.196
mean - 3 sigma		-2.036	-2.375	-2.234	-2.528
mean +3 sigma		-1.134	-1.064	-1.382	-1.350



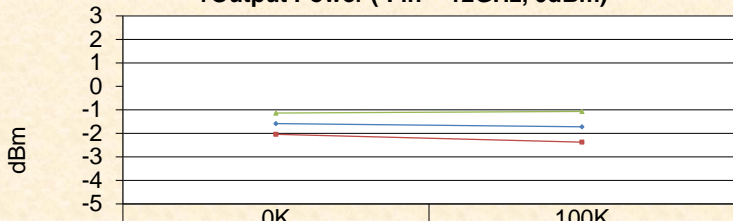
+Output Power (-Fin = 1GHz, 10dBm)**-Output Power (-Fin = 1GHz, 10dBm)****+Output Power (+Fin = 4GHz, -15dBm)****-Output Power (+Fin = 4GHz, -15dBm)****+Output Power (-Fin = 4GHz, -15dBm)****-Output Power (-Fin = 4GHz, -15dBm)****+Output Power (+Fin = 4GHz, 10dBm)****-Output Power (+Fin = 4GHz, 10dBm)**

+Output Power (-Fin = 4GHz, 10dBm)**-Output Power (-Fin = 4GHz, 10dBm)****+Output Power (+Fin = 8GHz, -15dBm)****-Output Power (+Fin = 8GHz, -15dBm)****+Output Power (-Fin = 8GHz, -15dBm)****-Output Power (-Fin = 8GHz, -15dBm)****+Output Power (+Fin = 8GHz, 2dBm)****-Output Power (+Fin = 8GHz, 2dBm)**

+Output Power (-Fin = 8GHz, 2dBm)**-Output Power (-Fin = 8GHz, 2dBm)****+Output Power (+Fin = 11GHz, -15dBm)****-Output Power (+Fin = 11GHz, -15dBm)****+Output Power (-Fin = 11GHz, -15dBm)****-Output Power (-Fin = 11GHz, -15dBm)****+Output Power (+Fin = 11GHz, 0dBm)****-Output Power (+Fin = 11GHz, 0dBm)**

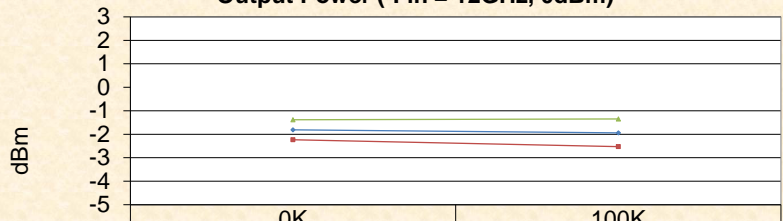


+Output Power (-Fin = 12GHz, 0dBm)



	0K	100K
+Average	-1.585	-1.720
-3 Sigma	-2.036	-2.375
+3 Sigma	-1.134	-1.064

-Output Power (-Fin = 12GHz, 0dBm)



	0K	100K
+Average	-1.808	-1.939
-3 Sigma	-2.234	-2.528
+3 Sigma	-1.382	-1.350

	SN	Supply Current Vcc = 5V	
		0K	50K
CTRL	2	81.953	82.055
	36	81.442	81.386
	38	81.633	81.582
	39	82.149	81.964
	41	79.890	79.865
	44	81.201	81.271
	45	81.522	81.527
min		79.890	79.865
max		82.149	81.964
mean		81.306	81.266
std. dev		0.761	0.725
mean - 3 sigma		79.022	79.090
mean +3 sigma		83.590	83.442

	SN	+Output Power (+Fin = 1GHz, -15dBm)		-Output Power (+Fin = 1GHz, -15dBm)	
		0K	50K	0K	50K
CTRL	2	3.961	3.908	3.863	3.894
	36	3.882	3.903	3.791	3.807
	38	3.949	3.962	3.855	3.862
	39	3.96	3.929	3.872	3.768
	41	3.717	3.706	3.615	3.604
	44	3.868	3.906	3.737	3.807
	45	3.933	3.909	3.842	3.791
min		3.717	3.706	3.615	3.604
max		3.960	3.962	3.872	3.862
mean		3.885	3.886	3.785	3.774
std. dev		0.090	0.091	0.097	0.088
mean - 3 sigma		3.615	3.614	3.495	3.508
mean +3 sigma		4.155	4.159	4.076	4.039

	SN	+Output Power (-Fin = 1GHz, -15dBm)		-Output Power (-Fin = 1GHz, -15dBm)	
		0K	50K	0K	50K
CTRL	2	3.888	3.956	3.914	3.947
	36	3.833	3.833	3.86	3.861
	38	3.893	3.885	3.921	3.914
	39	3.899	3.746	3.927	3.761
	41	3.647	3.621	3.671	3.650
	44	3.737	3.830	3.758	3.856
	45	3.885	3.820	3.913	3.851
min		3.647	3.621	3.671	3.650
max		3.899	3.885	3.927	3.914
mean		3.816	3.789	3.842	3.816
std. dev		0.103	0.094	0.105	0.095
mean - 3 sigma		3.508	3.508	3.527	3.531
mean +3 sigma		4.124	4.070	4.157	4.101

	SN	+Output Power (+Fin = 1GHz, 10dBm)		-Output Power (+Fin = 1GHz, 10dBm)	
		0K	50K	0K	50K
CTRL	2	4.09	4.012	3.881	3.809
	36	4.237	4.095	3.821	3.858
	38	4.213	4.149	3.882	3.913
	39	4.211	4.091	3.898	3.814
	41	4.164	3.895	3.639	3.655
	44	4.149	4.096	3.729	3.858
	45	4.14	4.093	3.87	3.841
min		4.140	3.895	3.639	3.655
max		4.237	4.149	3.898	3.913
mean		4.186	4.070	3.807	3.824
std. dev		0.040	0.088	0.102	0.089
mean - 3 sigma		4.066	3.805	3.499	3.558
mean +3 sigma		4.305	4.336	4.114	4.089

	SN	+Output Power (-Fin = 1GHz, 10dBm)		-Output Power (-Fin = 1GHz, 10dBm)	
		0K	50K	0K	50K
CTRL	2	4.118	4.062	3.954	3.865
	36	4.061	4.030	3.903	3.933
	38	4.125	4.083	3.963	3.983
	39	4.131	3.938	3.967	3.824
	41	3.883	3.823	3.708	3.715
	44	3.99	4.029	3.769	3.924
	45	4.119	4.019	3.955	3.914
min		3.883	3.823	3.708	3.715
max		4.131	4.083	3.967	3.983
mean		4.052	3.987	3.878	3.882
std. dev		0.099	0.093	0.112	0.097
mean - 3 sigma		3.756	3.708	3.542	3.592
mean +3 sigma		4.347	4.265	4.213	4.172

	SN	+Output Power (+Fin = 4GHz, -15dBm)		-Output Power (+Fin = 4GHz, -15dBm)	
		0K	50K	0K	50K
CTRL	2	3.588	2.827	3.499	2.821
	36	3.5	3.557	3.417	3.458
	38	3.561	3.604	3.476	3.507
	39	3.587	3.545	3.505	3.401
	41	3.333	3.354	3.247	3.257
	44	3.481	3.557	3.386	3.460
	45	3.54	3.539	3.46	3.433
min		3.333	3.354	3.247	3.257
max		3.587	3.604	3.505	3.507
mean		3.500	3.526	3.415	3.420
std. dev		0.091	0.087	0.093	0.087
mean - 3 sigma		3.228	3.264	3.137	3.159
mean +3 sigma		3.772	3.788	3.693	3.680

	SN	+Output Power (-Fin = 4GHz, -15dBm)		-Output Power (-Fin = 4GHz, -15dBm)	
		0K	50K	0K	50K
CTRL	2	3.778	3.138	3.685	3.139
	36	3.702	3.686	3.612	3.588
	38	3.773	3.740	3.677	3.642
	39	3.787	3.588	3.694	3.477
	41	3.523	3.474	3.433	3.376
	44	3.634	3.678	3.538	3.583
	45	3.766	3.662	3.674	3.566
min		3.523	3.474	3.433	3.376
max		3.787	3.740	3.694	3.642
mean		3.698	3.638	3.605	3.539
std. dev		0.103	0.094	0.102	0.096
mean - 3 sigma		3.389	3.355	3.299	3.251
mean +3 sigma		4.006	3.920	3.911	3.827

	SN	+Output Power (+Fin = 4GHz, 10dBm)		-Output Power (+Fin = 4GHz, 10dBm)	
		0K	50K	0K	50K
CTRL	2	3.351	2.819	3.477	2.819
	36	3.259	3.323	3.402	3.428
	38	3.319	3.373	3.458	3.474
	39	3.349	3.314	3.484	3.360
	41	3.089	3.124	3.229	3.222
	44	3.235	3.320	3.369	3.428
	45	3.299	3.294	3.445	3.410
min		3.089	3.124	3.229	3.222
max		3.349	3.373	3.484	3.474
mean		3.258	3.292	3.398	3.387
std. dev		0.092	0.086	0.092	0.089
mean - 3 sigma		2.981	3.034	3.121	3.121
mean +3 sigma		3.536	3.550	3.675	3.653

	SN	+Output Power (-Fin = 4GHz, 10dBm)		-Output Power (-Fin = 4GHz, 10dBm)	
		0K	50K	0K	50K
CTRL	2	3.852	3.132	3.902	3.133
	36	3.773	3.765	3.833	3.794
	38	3.841	3.822	3.9	3.848
	39	3.863	3.680	3.912	3.677
	41	3.59	3.556	3.651	3.579
	44	3.695	3.759	3.765	3.786
	45	3.833	3.739	3.898	3.778
min		3.590	3.556	3.651	3.579
max		3.863	3.822	3.912	3.848
mean		3.766	3.720	3.827	3.743
std. dev		0.105	0.093	0.102	0.098
mean - 3 sigma		3.450	3.442	3.519	3.450
mean +3 sigma		4.082	3.998	4.134	4.037

	SN	+Output Power (+Fin = 8GHz, -15dBm)		-Output Power (+Fin = 8GHz, -15dBm)	
		0K	50K	0K	50K
CTRL	2	2.777	1.182	2.763	1.166
	36	2.628	2.697	2.631	2.677
	38	2.712	2.703	2.709	2.690
	39	2.744	2.608	2.747	2.546
	41	2.538	2.504	2.533	2.488
	44	2.631	2.671	2.62	2.657
	45	2.743	2.611	2.744	2.608
min		2.538	2.504	2.533	2.488
max		2.744	2.703	2.747	2.690
mean		2.666	2.633	2.664	2.611
std. dev		0.081	0.075	0.084	0.080
mean - 3 sigma		2.422	2.407	2.411	2.370
mean +3 sigma		2.910	2.858	2.917	2.851

	SN	+Output Power (-Fin = 8GHz, -15dBm)		-Output Power (-Fin = 8GHz, -15dBm)	
		0K	50K	0K	50K
CTRL	2	3.284	1.619	3.315	1.623
	36	3.17	3.174	3.2	3.204
	38	3.267	3.211	3.304	3.244
	39	3.27	2.991	3.308	3.000
	41	3.066	2.967	3.097	3.002
	44	3.154	3.149	3.181	3.174
	45	3.297	3.099	3.332	3.133
min		3.066	2.967	3.097	3.000
max		3.297	3.211	3.332	3.244
mean		3.204	3.098	3.237	3.126
std. dev		0.089	0.100	0.092	0.104
mean - 3 sigma		2.937	2.799	2.960	2.815
mean +3 sigma		3.471	3.397	3.514	3.436

	SN	+Output Power (+Fin = 8GHz, 2dBm)		-Output Power (+Fin = 8GHz, 2dBm)	
		0K	50K	0K	50K
CTRL	2	2.674	1.099	2.884	1.192
	36	2.545	2.601	2.767	2.819
	38	2.617	2.608	2.843	2.838
	39	2.653	2.500	2.882	2.695
	41	2.434	2.388	2.653	2.617
	44	2.543	2.566	2.734	2.789
	45	2.644	2.494	2.865	2.744
min		2.434	2.388	2.653	2.617
max		2.653	2.608	2.882	2.838
mean		2.573	2.526	2.791	2.750
std. dev		0.083	0.083	0.089	0.083
mean - 3 sigma		2.324	2.276	2.525	2.500
mean +3 sigma		2.821	2.776	3.057	3.000

	SN	+Output Power (-Fin = 8GHz, 2dBm)		-Output Power (-Fin = 8GHz, 2dBm)	
		0K	50K	0K	50K
CTRL	2	3.243	1.59	3.365	1.698
	36	3.13	3.126	3.255	3.261
	38	3.219	3.148	3.36	3.304
	39	3.228	2.927	3.366	3.065
	41	3.017	2.900	3.146	3.051
	44	3.109	3.083	3.222	3.219
	45	3.255	3.044	3.384	3.190
min		3.017	2.900	3.146	3.051
max		3.255	3.148	3.384	3.304
mean		3.160	3.038	3.289	3.182
std. dev		0.091	0.103	0.096	0.103
mean - 3 sigma		2.888	2.728	3.001	2.872
mean +3 sigma		3.432	3.347	3.577	3.492

	SN	+Output Power (+Fin = 11GHz, -15dBm)		-Output Power (+Fin = 11GHz, -15dBm)	
		0K	50K	0K	50K
CTRL	2	0.283	-1.85	0.153	-1.893
	36	0.002	-0.090	-0.096	-0.219
	38	0.078	-0.007	-0.032	-0.164
	39	0.208	-0.187	0.11	-0.456
	41	-0.116	-0.201	-0.211	-0.339
	44	0.031	0.036	-0.129	-0.130
	45	0.051	-0.191	-0.073	-0.344
min		-0.116	-0.201	-0.211	-0.456
max		0.208	0.036	0.110	-0.130
mean		0.042	-0.107	-0.072	-0.275
std. dev		0.105	0.103	0.108	0.125
mean - 3 sigma		-0.274	-0.416	-0.395	-0.650
mean +3 sigma		0.359	0.202	0.251	0.100

	SN	+Output Power (-Fin = 11GHz, -15dBm)		-Output Power (-Fin = 11GHz, -15dBm)	
		0K	50K	0K	50K
CTRL	2	0.235	-1.605	0.268	-1.636
	36	0.029	-0.005	0.086	0.031
	38	0.122	0.125	0.166	0.141
	39	0.284	-0.281	0.334	-0.300
	41	-0.067	-0.111	-0.013	-0.074
	44	-0.013	0.046	-0.014	0.054
	45	0.086	-0.104	0.105	-0.102
min		-0.067	-0.281	-0.014	-0.300
max		0.284	0.125	0.334	0.141
mean		0.074	-0.055	0.111	-0.041
std. dev		0.123	0.143	0.130	0.154
mean - 3 sigma		-0.296	-0.483	-0.279	-0.504
mean +3 sigma		0.443	0.372	0.500	0.422

	SN	+Output Power (+Fin = 11GHz, 0dBm)		-Output Power (+Fin = 11GHz, 0dBm)	
		0K	50K	0K	50K
CTRL	2	0.165	-1.73	-0.114	-1.859
	36	-0.13	-0.201	-0.239	-0.369
	38	-0.021	-0.064	-0.182	-0.305
	39	0.084	-0.246	-0.077	-0.596
	41	-0.304	-0.386	-0.426	-0.563
	44	-0.07	-0.050	-0.413	-0.380
	45	0.007	-0.211	-0.339	-0.544
min		-0.304	-0.386	-0.426	-0.596
max		0.084	-0.050	-0.077	-0.305
mean		-0.072	-0.193	-0.279	-0.460
std. dev		0.134	0.125	0.138	0.122
mean - 3 sigma		-0.476	-0.566	-0.693	-0.827
mean +3 sigma		0.331	0.181	0.134	-0.093

	SN	+Output Power (-Fin = 11GHz, 0dBm)		-Output Power (-Fin = 11GHz, 0dBm)	
		0K	50K	0K	50K
CTRL	2	0.258	-1.538	-0.059	-1.656
	36	0.03	0.014	-0.123	-0.184
	38	0.147	0.184	-0.067	-0.084
	39	0.285	-0.216	0.086	-0.518
	41	-0.12	-0.147	-0.281	-0.345
	44	0.029	0.097	-0.353	-0.263
	45	0.176	-0.007	-0.226	-0.376
min		-0.120	-0.216	-0.353	-0.518
max		0.285	0.184	0.086	-0.084
mean		0.091	-0.012	-0.161	-0.295
std. dev		0.141	0.149	0.159	0.153
mean - 3 sigma		-0.333	-0.459	-0.638	-0.753
mean +3 sigma		0.516	0.434	0.317	0.164

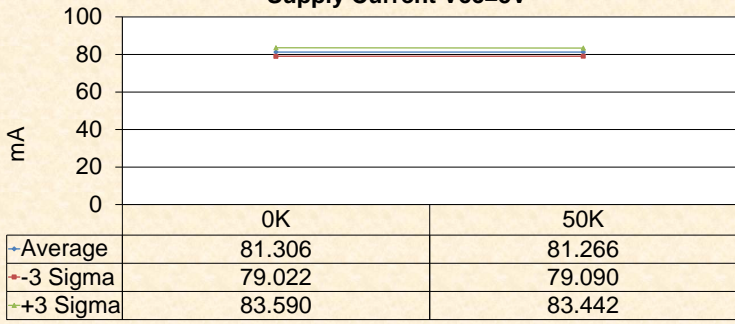
	SN	+Output Power (+Fin = 12GHz, -10dBm)		-Output Power (+Fin = 12GHz, -10dBm)	
		0K	50K	0K	50K
CTRL	2	-1.224	-2.921	-1.539	-3.053
	36	-1.558	-1.615	-1.843	-1.912
	38	-1.406	-1.496	-1.711	-1.823
	39	-1.335	-1.753	-1.62	-2.161
	41	-1.647	-1.766	-1.92	-2.066
	44	-1.457	-1.458	-1.799	-1.796
	45	-1.432	-1.683	-1.748	-2.005
min		-1.647	-1.766	-1.920	-2.161
max		-1.335	-1.458	-1.620	-1.796
mean		-1.473	-1.629	-1.774	-1.961
std. dev		0.112	0.130	0.105	0.143
mean - 3 sigma		-1.809	-2.018	-2.088	-2.388
mean +3 sigma		-1.136	-1.240	-1.459	-1.533

	SN	+Output Power (-Fin = 12GHz, -10dBm)		-Output Power (-Fin = 12GHz, -10dBm)	
		0K	50K	0K	50K
CTRL	2	-1.486	-3.079	-1.674	-3.182
	36	-1.782	-1.821	-1.95	-1.984
	38	-1.622	-1.641	-1.803	-1.836
	39	-1.513	-2.076	-1.678	-2.283
	41	-1.847	-1.918	-2.006	-2.077
	44	-1.732	-1.680	-1.924	-1.884
	45	-1.611	-1.838	-1.803	-2.044
min		-1.847	-2.076	-2.006	-2.283
max		-1.513	-1.641	-1.678	-1.836
mean		-1.685	-1.829	-1.861	-2.018
std. dev		0.124	0.159	0.121	0.159
mean - 3 sigma		-2.057	-2.306	-2.223	-2.495
mean +3 sigma		-1.312	-1.351	-1.498	-1.540

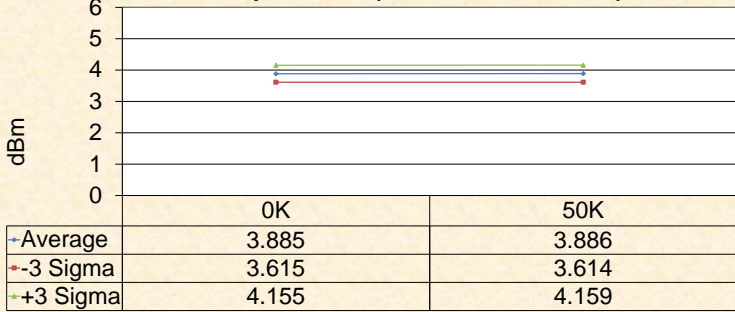
	SN	+Output Power (+Fin = 12GHz, 0dBm)		-Output Power (+Fin = 12GHz, 0dBm)	
		0K	50K	0K	50K
CTRL	2	-1.278	-2.855	-1.652	-3.161
	36	-1.583	-1.65	-1.904	-1.954
	38	-1.442	-1.52	-1.801	-1.886
	39	-1.368	-1.787	-1.698	-2.195
	41	-1.717	-1.846	-2.032	-2.162
	44	-1.523	-1.51	-1.93	-1.913
	45	-1.465	-1.701	-1.848	-2.073
min		-1.717	-1.846	-2.032	-2.195
max		-1.368	-1.510	-1.698	-1.886
mean		-1.516	-1.669	-1.869	-2.031
std. dev		0.122	0.137	0.115	0.132
mean - 3 sigma		-1.884	-2.081	-2.213	-2.426
mean +3 sigma		-1.149	-1.257	-1.525	-1.635

	SN	+Output Power (-Fin = 12GHz, 0dBm)		-Output Power (-Fin = 12GHz, 0dBm)	
		0K	50K	0K	50K
CTRL	2	-1.457	-3.023	-1.708	-3.309
	36	-1.731	-1.781	-1.935	-1.946
	38	-1.578	-1.588	-1.818	-1.815
	39	-1.466	-2.039	-1.679	-2.232
	41	-1.841	-1.922	-2.04	-2.097
	44	-1.715	-1.657	-1.982	-1.924
	45	-1.561	-1.782	-1.832	-2.045
min		-1.841	-2.039	-2.040	-2.232
max		-1.466	-1.588	-1.679	-1.815
mean		-1.649	-1.795	-1.881	-2.010
std. dev		0.137	0.166	0.131	0.147
mean - 3 sigma		-2.060	-2.293	-2.273	-2.450
mean +3 sigma		-1.237	-1.297	-1.489	-1.570

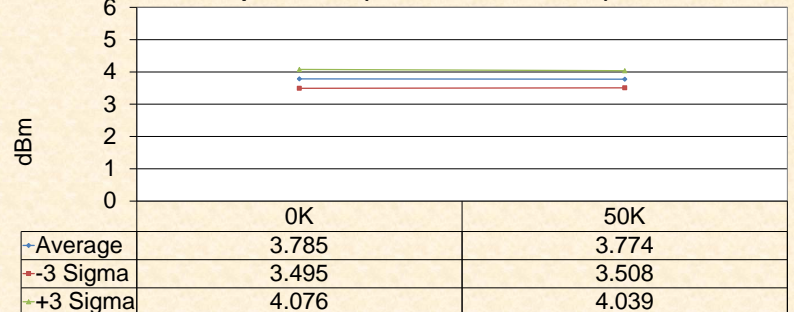
Supply Current Vcc=5V



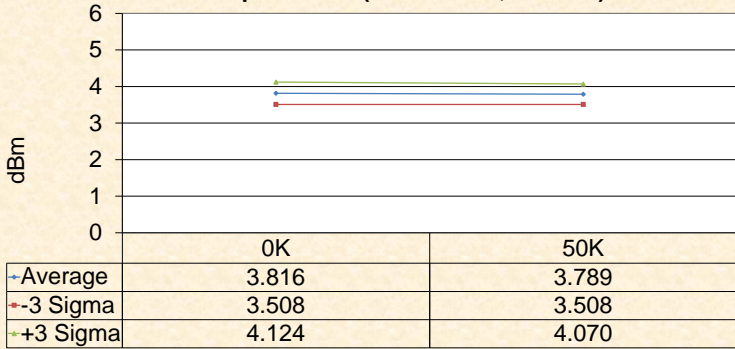
+Output Power (+Fin = 1GHz, -15dBm)



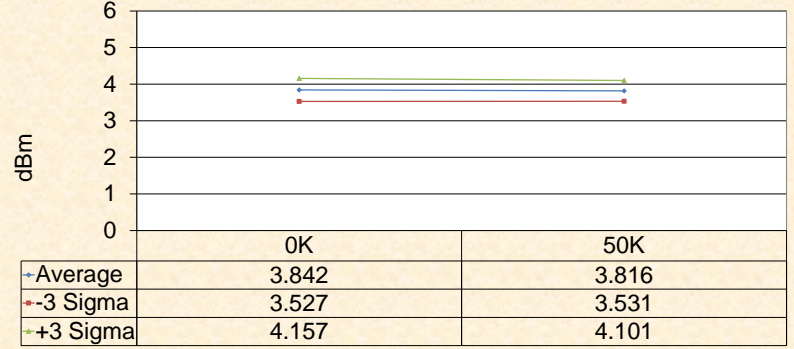
-Output Power (+Fin = 1GHz, -15dBm)



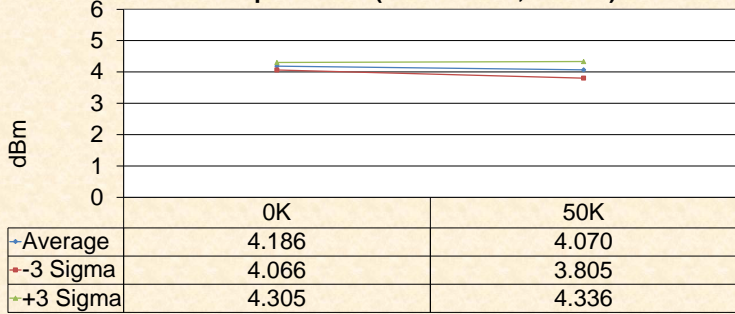
+Output Power (-Fin = 1GHz, -15dBm)



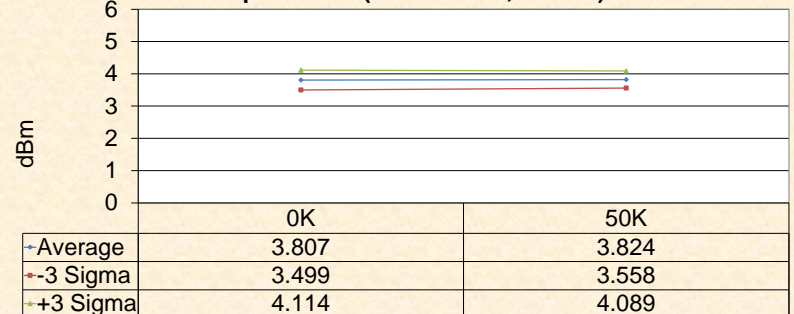
-Output Power (-Fin = 1GHz, -15dBm)

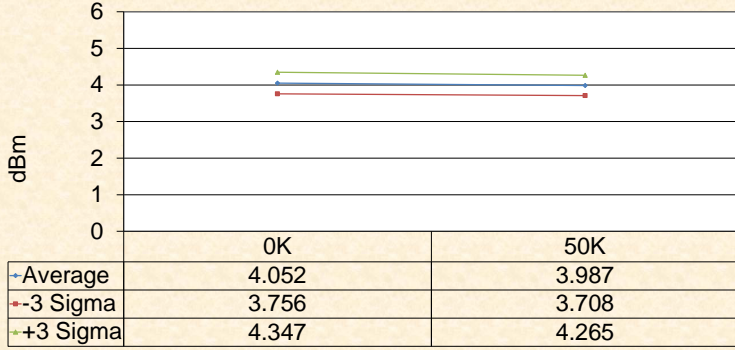
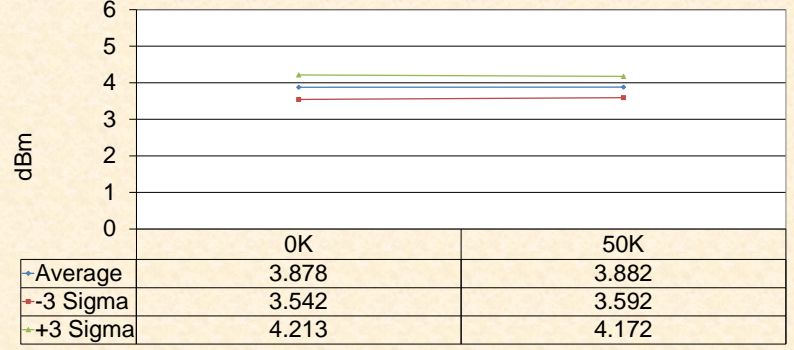
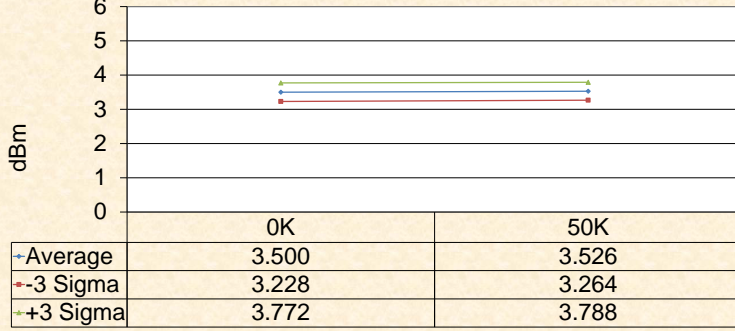
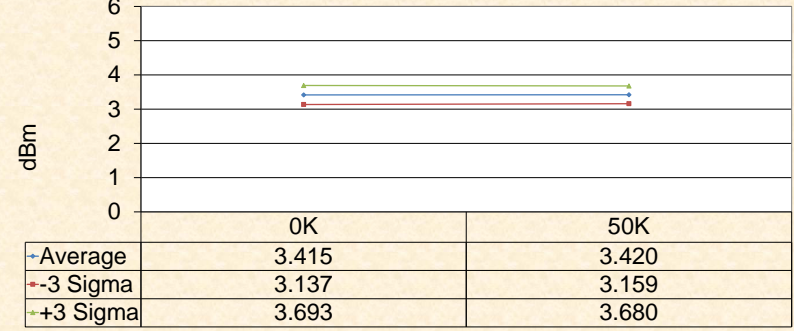
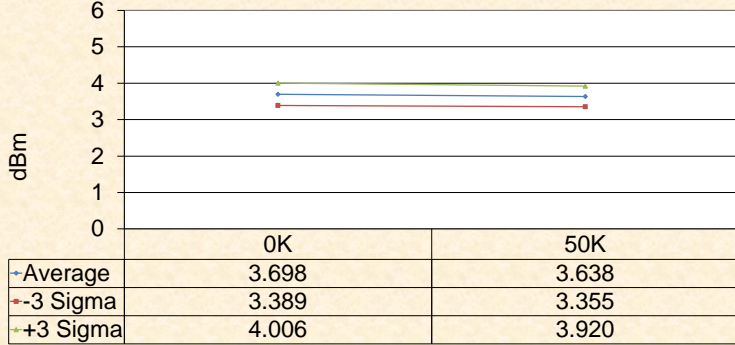
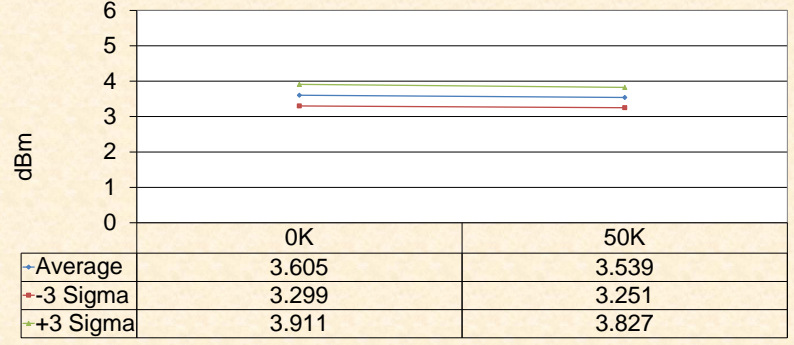
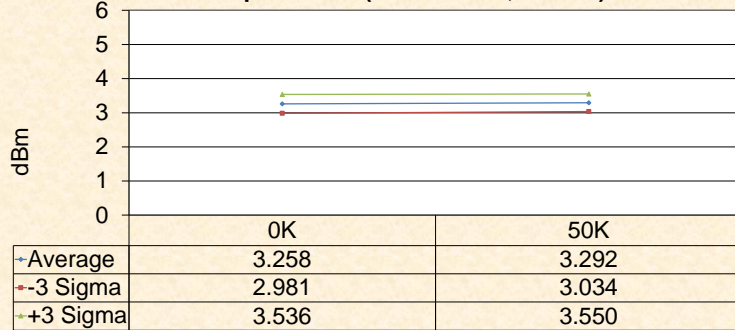
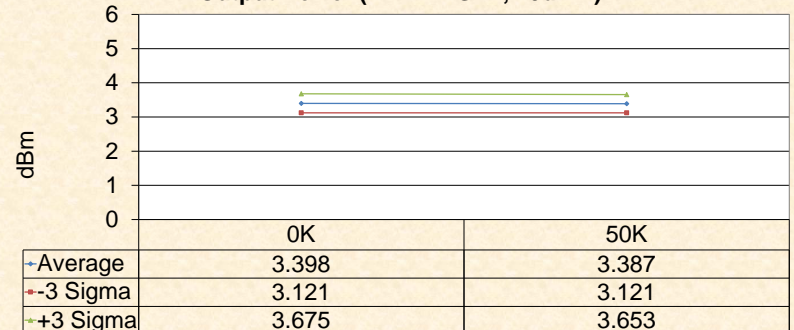


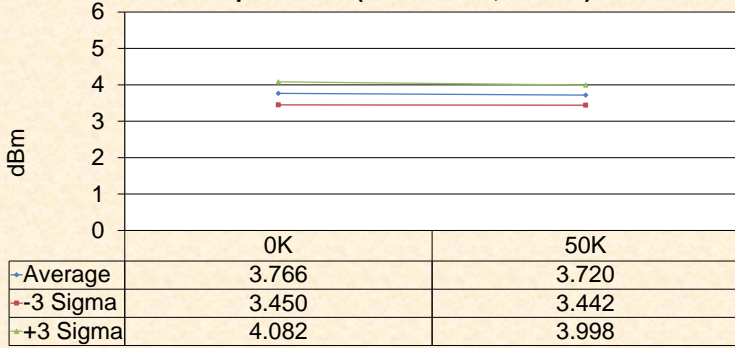
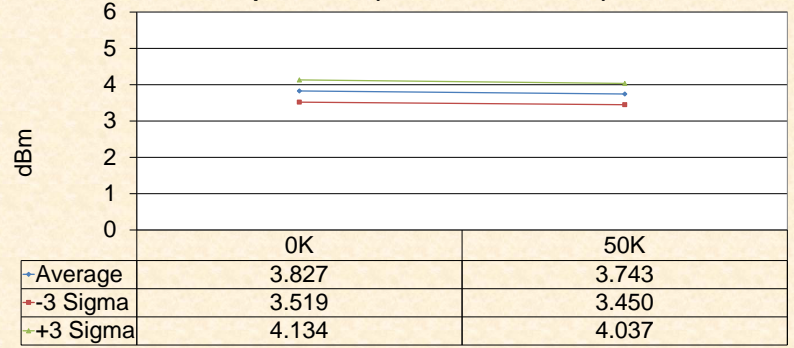
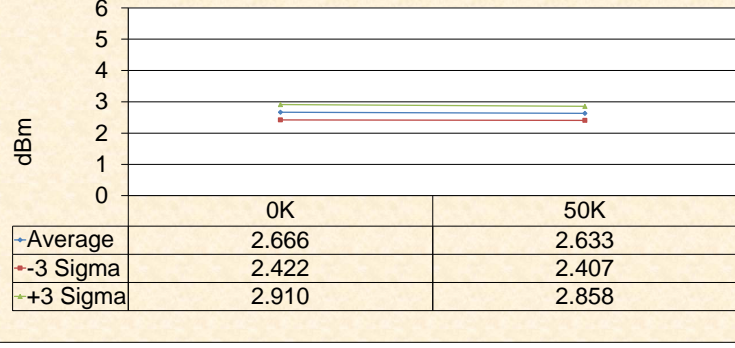
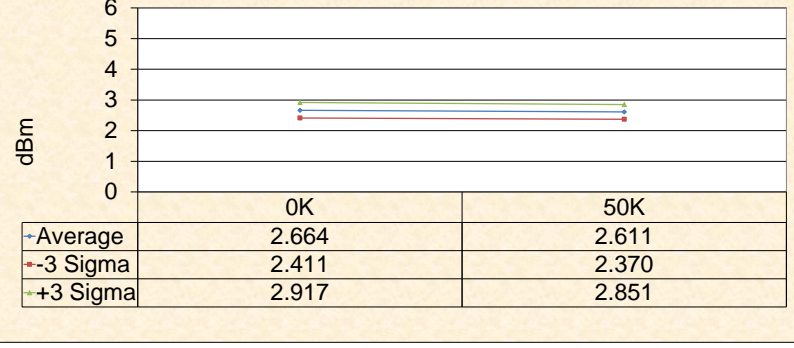
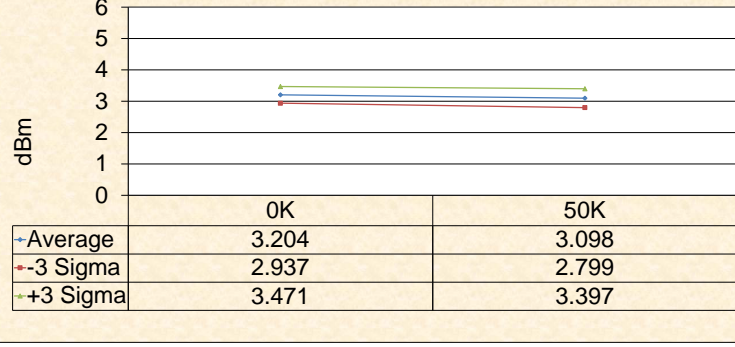
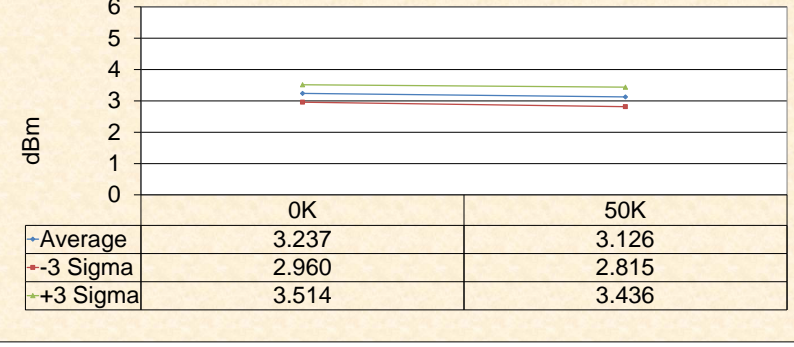
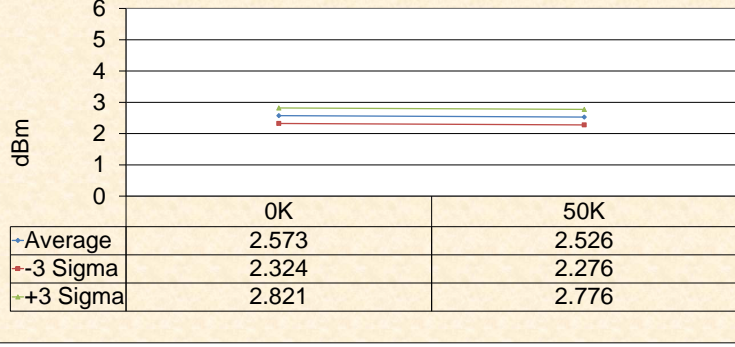
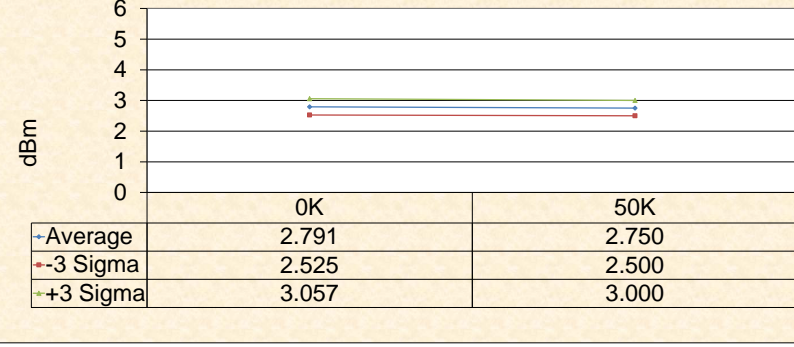
+Output Power (+Fin = 1GHz, 10dBm)

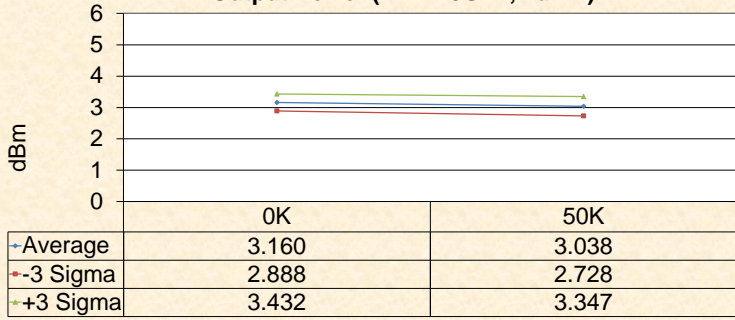
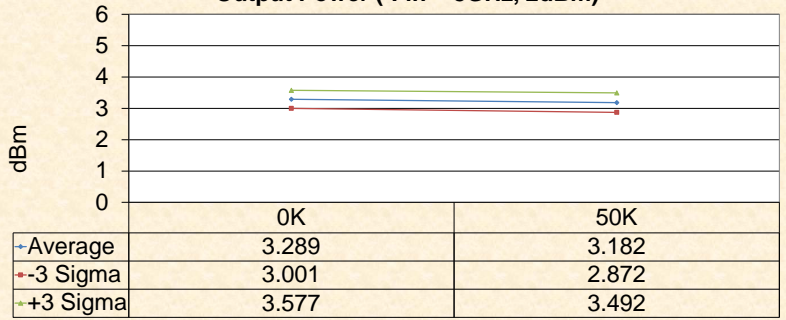
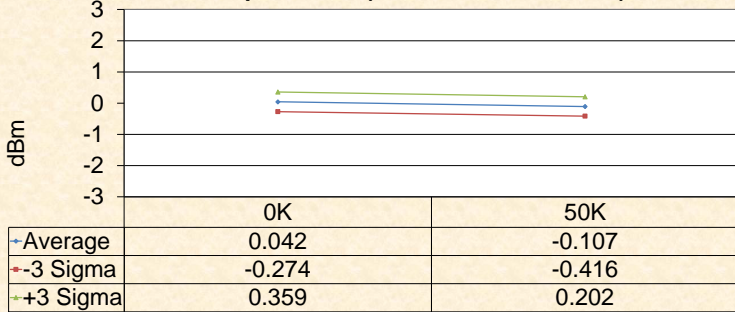
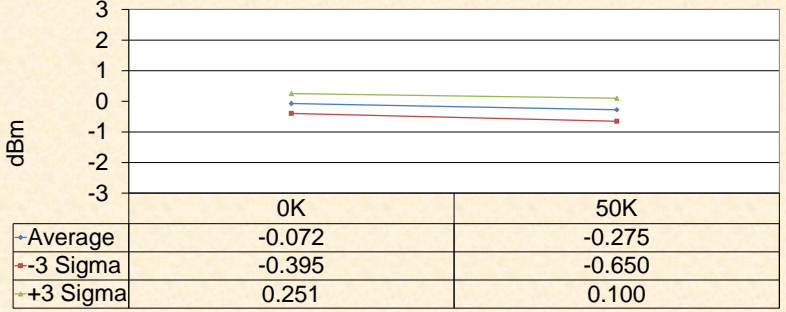
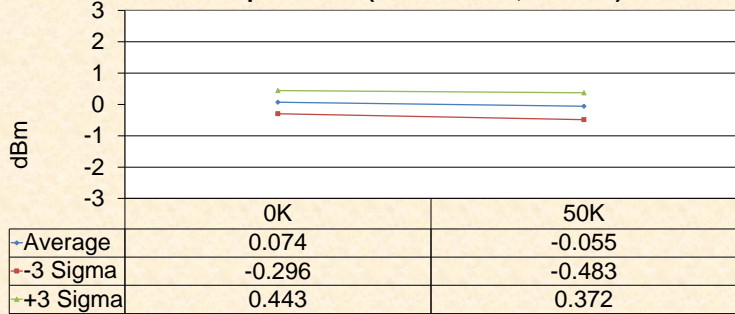
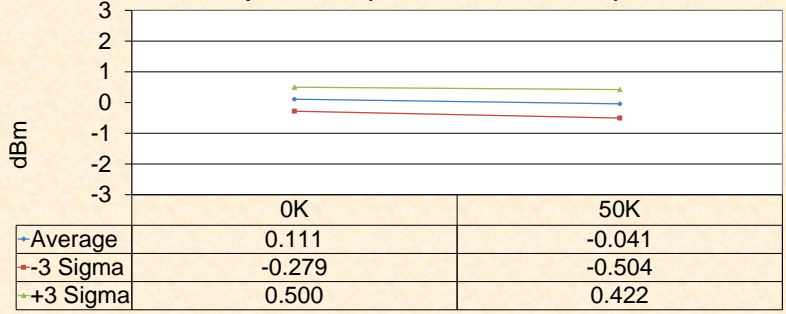
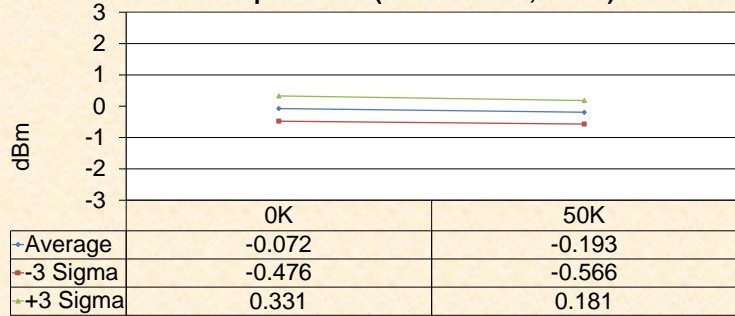
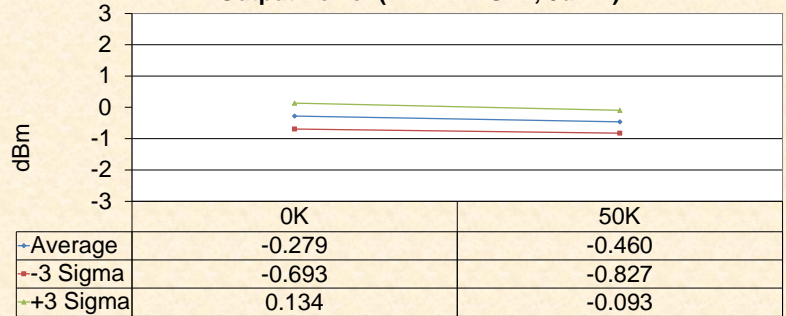


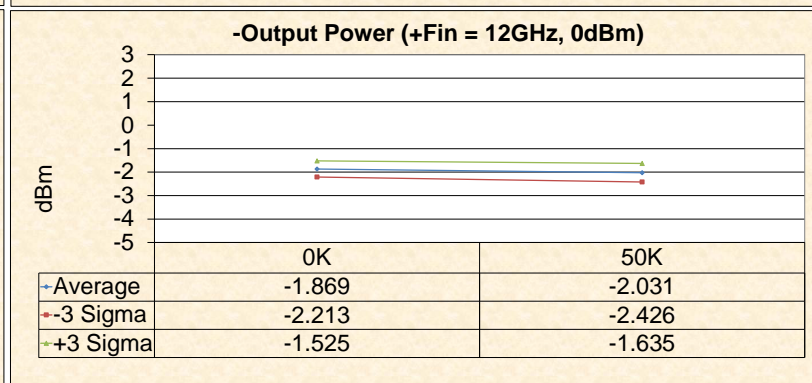
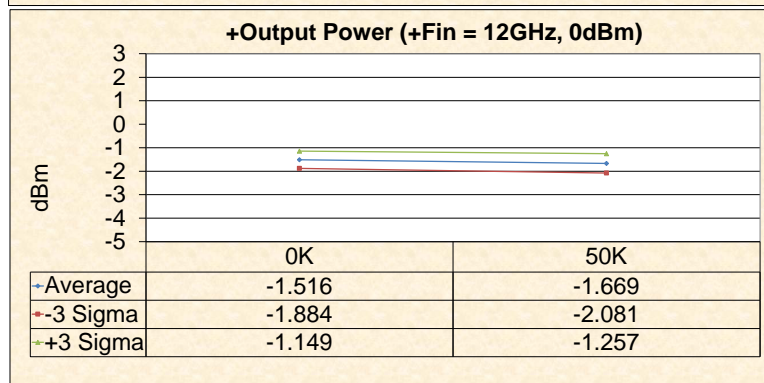
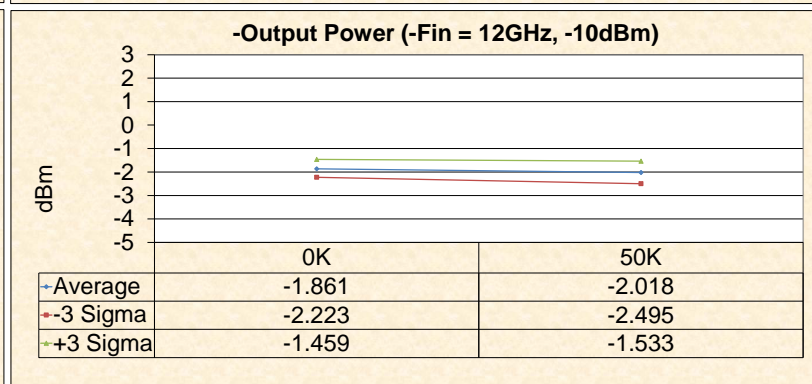
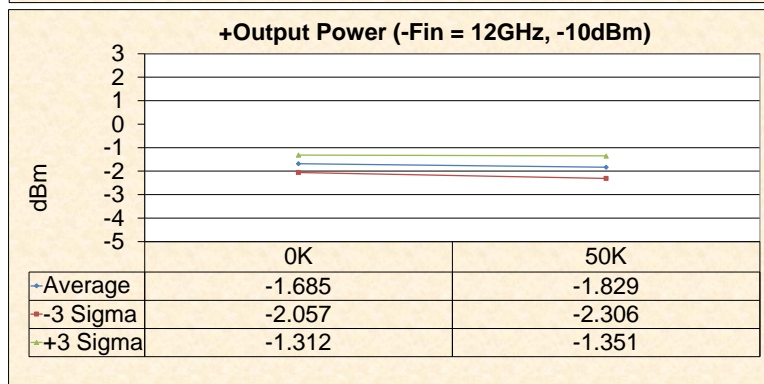
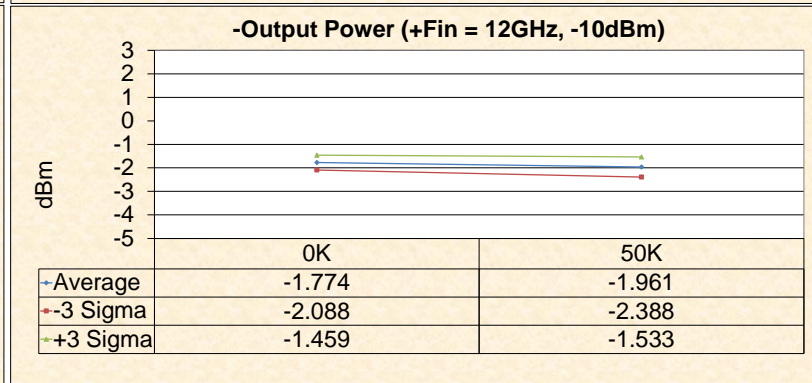
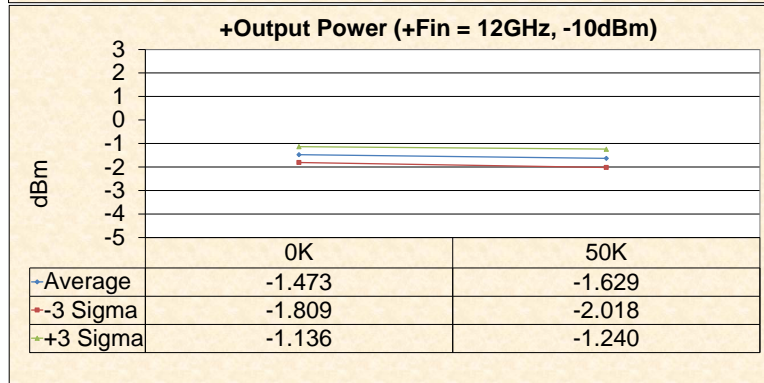
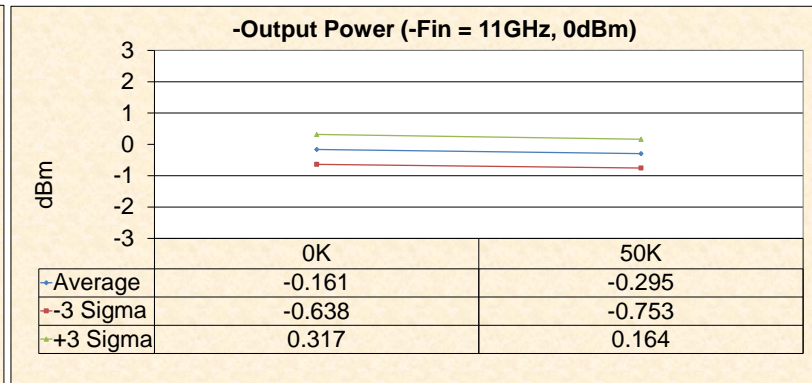
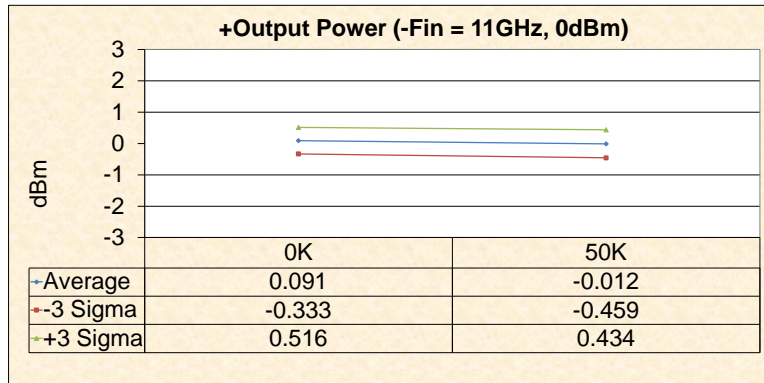
-Output Power (+Fin = 1GHz, 10dBm)



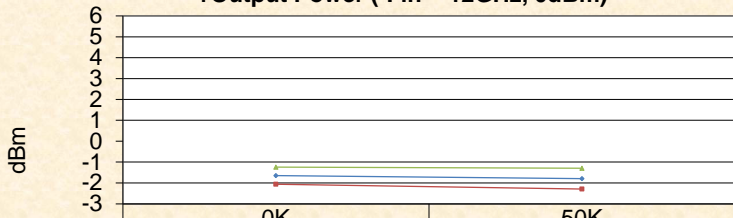
+Output Power (-Fin = 1GHz, 10dBm)**-Output Power (-Fin = 1GHz, 10dBm)****+Output Power (+Fin = 4GHz, -15dBm)****-Output Power (+Fin = 4GHz, -15dBm)****+Output Power (-Fin = 4GHz, -15dBm)****-Output Power (-Fin = 4GHz, -15dBm)****+Output Power (+Fin = 4GHz, 10dBm)****-Output Power (+Fin = 4GHz, 10dBm)**

+Output Power (-Fin = 4GHz, 10dBm)**-Output Power (-Fin = 4GHz, 10dBm)****+Output Power (+Fin = 8GHz, -15dBm)****-Output Power (+Fin = 8GHz, -15dBm)****+Output Power (-Fin = 8GHz, -15dBm)****-Output Power (-Fin = 8GHz, -15dBm)****+Output Power (+Fin = 8GHz, 2dBm)****-Output Power (+Fin = 8GHz, 2dBm)**

+Output Power (-Fin = 8GHz, 2dBm)**-Output Power (-Fin = 8GHz, 2dBm)****+Output Power (+Fin = 11GHz, -15dBm)****-Output Power (+Fin = 11GHz, -15dBm)****+Output Power (-Fin = 11GHz, -15dBm)****-Output Power (-Fin = 11GHz, -15dBm)****+Output Power (+Fin = 11GHz, 0dBm)****-Output Power (+Fin = 11GHz, 0dBm)**

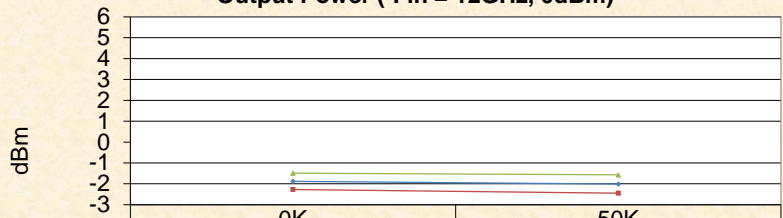


+Output Power (-Fin = 12GHz, 0dBm)



	0K	50K
+Average	-1.649	-1.795
-3 Sigma	-2.060	-2.293
+3 Sigma	-1.237	-1.297

-Output Power (-Fin = 12GHz, 0dBm)



	0K	50K
+Average	-1.881	-2.010
-3 Sigma	-2.273	-2.450
+3 Sigma	-1.489	-1.570

	SN	Supply Current Vcc = 5V	
		0K	30K
CTRL	2	81.953	82.055
	47	81.833	81.788
	49	81.502	81.487
	50	81.537	81.391
	54	81.883	81.793
min		81.502	81.391
max		81.883	81.793
mean		81.689	81.615
std. dev		0.197	0.207
mean - 3 sigma		81.097	80.995
mean +3 sigma		82.281	82.235

	SN	+Output Power (+Fin = 1GHz, -15dBm)		-Output Power (+Fin = 1GHz, -15dBm)	
		0K	30K	0K	30K
CTRL	2	3.961	3.908	3.863	3.894
	47	3.964	3.971	3.86	3.870
	49	3.921	3.942	3.826	3.841
	50	3.915	3.934	3.818	3.842
	54	3.928	3.949	3.834	3.852
min		3.915	3.934	3.818	3.841
max		3.964	3.971	3.860	3.870
mean		3.932	3.949	3.835	3.852
std. dev		0.022	0.016	0.018	0.013
mean - 3 sigma		3.866	3.902	3.780	3.811
mean +3 sigma		3.998	3.997	3.889	3.892

	SN	+Output Power (-Fin = 1GHz, -15dBm)		-Output Power (-Fin = 1GHz, -15dBm)	
		0K	30K	0K	30K
CTRL	2	3.888	3.956	3.914	3.947
	47	3.898	3.896	3.926	3.925
	49	3.852	3.857	3.882	3.883
	50	3.853	3.866	3.882	3.895
	54	3.864	3.870	3.891	3.899
min		3.852	3.857	3.882	3.883
max		3.898	3.896	3.926	3.925
mean		3.867	3.872	3.895	3.901
std. dev		0.022	0.017	0.021	0.018
mean - 3 sigma		3.802	3.822	3.832	3.848
mean +3 sigma		3.931	3.922	3.958	3.954

	SN	+Output Power (+Fin = 1GHz, 10dBm)		-Output Power (+Fin = 1GHz, 10dBm)	
		0K	30K	0K	30K
CTRL	2	4.09	4.012	3.881	3.809
	47	4.121	4.158	3.887	3.921
	49	4.152	4.132	3.855	3.892
	50	3.644	4.125	3.844	3.896
	54	4.175	4.136	3.863	3.904
min		3.644	4.125	3.844	3.892
max		4.175	4.158	3.887	3.921
mean		4.023	4.138	3.862	3.904
std. dev		0.254	0.014	0.018	0.013
mean - 3 sigma		3.262	4.095	3.808	3.865
mean +3 sigma		4.784	4.181	3.917	3.942

	SN	+Output Power (-Fin = 1GHz, 10dBm)		-Output Power (-Fin = 1GHz, 10dBm)	
		0K	30K	0K	30K
CTRL	2	4.118	4.062	3.954	3.865
	47	4.128	4.092	3.966	3.996
	49	4.087	4.056	3.923	3.955
	50	4.084	4.065	3.923	3.967
	54	4.096	4.067	3.932	3.970
min		4.084	4.056	3.923	3.955
max		4.128	4.092	3.966	3.996
mean		4.099	4.070	3.936	3.972
std. dev		0.020	0.015	0.020	0.017
mean - 3 sigma		4.038	4.023	3.875	3.920
mean +3 sigma		4.159	4.116	3.997	4.024

	SN	+Output Power (+Fin = 4GHz, -15dBm)		-Output Power (+Fin = 4GHz, -15dBm)	
		0K	30K	0K	30K
CTRL	2	3.588	2.827	3.499	2.821
	47	3.569	3.622	3.483	3.524
	49	3.541	3.584	3.458	3.488
	50	3.516	3.575	3.433	3.483
	54	3.561	3.611	3.479	3.513
min		3.516	3.575	3.433	3.483
max		3.569	3.622	3.483	3.524
mean		3.547	3.598	3.463	3.502
std. dev		0.024	0.022	0.023	0.020
mean - 3 sigma		3.476	3.532	3.394	3.443
mean +3 sigma		3.618	3.665	3.532	3.561

	SN	+Output Power (-Fin = 4GHz, -15dBm)		-Output Power (-Fin = 4GHz, -15dBm)	
		0K	30K	0K	30K
CTRL	2	3.778	3.138	3.685	3.139
	47	3.783	3.758	3.685	3.663
	49	3.732	3.706	3.642	3.608
	50	3.728	3.716	3.635	3.618
	54	3.754	3.732	3.662	3.634
min		3.728	3.706	3.635	3.608
max		3.783	3.758	3.685	3.663
mean		3.749	3.728	3.656	3.631
std. dev		0.025	0.023	0.022	0.024
mean - 3 sigma		3.674	3.660	3.589	3.559
mean +3 sigma		3.825	3.796	3.723	3.703

	SN	+Output Power (+Fin = 4GHz, 10dBm)		-Output Power (+Fin = 4GHz, 10dBm)	
		0K	30K	0K	30K
CTRL	2	3.351	2.819	3.477	2.819
	47	3.322	3.385	3.466	3.497
	49	3.294	3.353	3.448	3.458
	50	3.275	3.344	3.415	3.452
	54	3.321	3.383	3.46	3.476
min		3.275	3.344	3.415	3.452
max		3.322	3.385	3.466	3.497
mean		3.303	3.367	3.447	3.471
std. dev		0.023	0.021	0.023	0.020
mean - 3 sigma		3.235	3.304	3.379	3.410
mean +3 sigma		3.371	3.429	3.516	3.532

	SN	+Output Power (-Fin = 4GHz, 10dBm)		-Output Power (-Fin = 4GHz, 10dBm)	
		0K	30K	0K	30K
CTRL	2	3.852	3.132	3.902	3.133
	47	3.845	3.839	3.909	3.874
	49	3.799	3.783	3.866	3.814
	50	3.796	3.800	3.856	3.825
	54	3.826	3.817	3.878	3.832
min		3.796	3.783	3.856	3.814
max		3.845	3.839	3.909	3.874
mean		3.817	3.810	3.877	3.836
std. dev		0.023	0.024	0.023	0.026
mean - 3 sigma		3.747	3.738	3.808	3.757
mean +3 sigma		3.886	3.881	3.946	3.915

	SN	+Output Power (+Fin = 8GHz, -15dBm)		-Output Power (+Fin = 8GHz, -15dBm)	
		0K	30K	0K	30K
CTRL	2	2.777	1.182	2.763	1.166
	47	2.708	2.786	2.713	2.769
	49	2.714	2.726	2.721	2.715
	50	2.632	2.684	2.636	2.679
	54	2.754	2.770	2.755	2.760
min		2.632	2.684	2.636	2.679
max		2.754	2.786	2.755	2.769
mean		2.702	2.742	2.706	2.731
std. dev		0.051	0.046	0.050	0.042
mean - 3 sigma		2.549	2.604	2.556	2.605
mean +3 sigma		2.855	2.880	2.857	2.856

	SN	+Output Power (-Fin = 8GHz, -15dBm)		-Output Power (-Fin = 8GHz, -15dBm)	
		0K	30K	0K	30K
CTRL	2	3.284	1.619	3.315	1.623
	47	3.255	3.281	3.287	3.305
	49	3.243	3.194	3.274	3.224
	50	3.157	3.168	3.195	3.204
	54	3.281	3.238	3.313	3.267
min		3.157	3.168	3.195	3.204
max		3.281	3.281	3.313	3.305
mean		3.234	3.220	3.267	3.250
std. dev		0.054	0.050	0.051	0.045
mean - 3 sigma		3.073	3.071	3.115	3.114
mean +3 sigma		3.395	3.369	3.420	3.385

	SN	+Output Power (+Fin = 8GHz, 2dBm)		-Output Power (+Fin = 8GHz, 2dBm)	
		0K	30K	0K	30K
CTRL	2	2.674	1.099	2.884	1.192
	47	2.618	2.682	2.837	2.899
	49	2.634	2.636	2.849	2.860
	50	2.541	2.596	2.777	2.831
	54	2.661	2.668	2.879	2.897
min		2.541	2.596	2.777	2.831
max		2.661	2.682	2.879	2.899
mean		2.614	2.645	2.836	2.872
std. dev		0.051	0.038	0.043	0.033
mean - 3 sigma		2.459	2.531	2.707	2.774
mean +3 sigma		2.768	2.760	2.964	2.969

	SN	+Output Power (-Fin = 8GHz, 2dBm)		-Output Power (-Fin = 8GHz, 2dBm)	
		0K	30K	0K	30K
CTRL	2	3.243	1.59	3.365	1.698
	47	3.224	3.227	3.336	3.358
	49	3.204	3.150	3.328	3.286
	50	3.122	3.129	3.264	3.278
	54	3.242	3.187	3.368	3.329
min		3.122	3.129	3.264	3.278
max		3.242	3.227	3.368	3.358
mean		3.198	3.173	3.324	3.313
std. dev		0.053	0.043	0.044	0.038
mean - 3 sigma		3.039	3.044	3.193	3.200
mean +3 sigma		3.357	3.302	3.455	3.426

	SN	+Output Power (+Fin = 11GHz, -15dBm)		-Output Power (+Fin = 11GHz, -15dBm)	
		0K	30K	0K	30K
CTRL	2	0.283	-1.85	0.153	-1.893
	47	0.181	0.075	0.077	-0.068
	49	0.037	-0.053	-0.069	-0.209
	50	-0.012	-0.198	-0.111	-0.335
	54	0.158	0.075	0.05	-0.075
min		-0.012	-0.198	-0.111	-0.335
max		0.181	0.075	0.077	-0.068
mean		0.091	-0.026	-0.013	-0.172
std. dev		0.093	0.130	0.091	0.127
mean - 3 sigma		-0.189	-0.416	-0.286	-0.552
mean +3 sigma		0.371	0.364	0.260	0.209

	SN	+Output Power (-Fin = 11GHz, -15dBm)		-Output Power (-Fin = 11GHz, -15dBm)	
		0K	30K	0K	30K
CTRL	2	0.235	-1.605	0.268	-1.636
	47	0.206	0.164	0.261	0.185
	49	0.004	-0.053	0.043	-0.035
	50	0.12	-0.037	0.166	-0.010
	54	0.164	0.135	0.189	0.160
min		0.004	-0.053	0.043	-0.035
max		0.206	0.164	0.261	0.185
mean		0.124	0.052	0.165	0.075
std. dev		0.087	0.113	0.091	0.114
mean - 3 sigma		-0.138	-0.288	-0.107	-0.265
mean +3 sigma		0.385	0.391	0.437	0.416

	SN	+Output Power (+Fin = 11GHz, 0dBm)		-Output Power (+Fin = 11GHz, 0dBm)	
		0K	30K	0K	30K
CTRL	2	0.165	-1.73	-0.114	-1.859
	47	0.054	-0.014	-0.128	-0.246
	49	-0.042	-0.139	-0.257	-0.395
	50	-0.091	-0.246	-0.25	-0.473
	54	0.063	-0.006	-0.145	-0.261
min		-0.091	-0.246	-0.257	-0.473
max		0.063	-0.006	-0.128	-0.246
mean		-0.004	-0.101	-0.195	-0.344
std. dev		0.075	0.114	0.068	0.109
mean - 3 sigma		-0.229	-0.443	-0.399	-0.671
mean +3 sigma		0.221	0.241	0.009	-0.017

	SN	+Output Power (-Fin = 11GHz, 0dBm)		-Output Power (-Fin = 11GHz, 0dBm)	
		0K	30K	0K	30K
CTRL	2	0.258	-1.538	-0.059	-1.656
	47	0.212	0.197	-0.015	-0.071
	49	0.047	-0.004	-0.217	-0.282
	50	0.161	0.032	-0.041	-0.220
	54	0.176	0.171	-0.058	-0.102
min		0.047	-0.004	-0.217	-0.282
max		0.212	0.197	-0.015	-0.071
mean		0.149	0.099	-0.083	-0.168
std. dev		0.071	0.100	0.091	0.099
mean - 3 sigma		-0.065	-0.200	-0.356	-0.466
mean +3 sigma		0.363	0.399	0.191	0.129

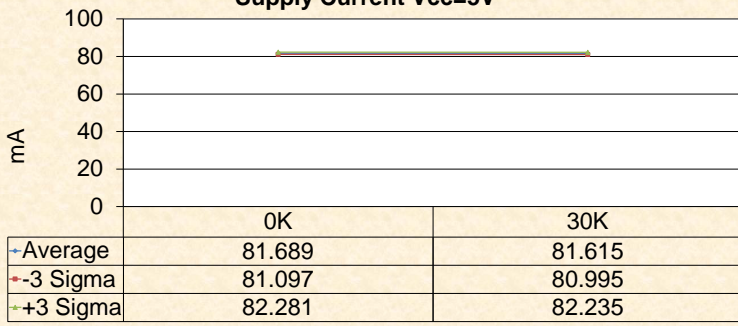
	SN	+Output Power (+Fin = 12GHz, -10dBm)		-Output Power (+Fin = 12GHz, -10dBm)	
		0K	30K	0K	30K
CTRL	2	-1.224	-2.921	-1.539	-3.053
	47	-1.342	-1.372	-1.635	-1.688
	49	-1.441	-1.562	-1.737	-1.881
	50	-1.59	-1.724	-1.867	-2.021
	54	-1.307	-1.403	-1.606	-1.718
min		-1.590	-1.724	-1.867	-2.021
max		-1.307	-1.372	-1.606	-1.688
mean		-1.420	-1.516	-1.711	-1.827
std. dev		0.127	0.162	0.118	0.155
mean - 3 sigma		-1.800	-2.002	-2.065	-2.291
mean +3 sigma		-1.040	-1.029	-1.357	-1.363

	SN	+Output Power (-Fin = 12GHz, -10dBm)		-Output Power (-Fin = 12GHz, -10dBm)	
		0K	30K	0K	30K
CTRL	2	-1.486	-3.079	-1.674	-3.182
	47	-1.532	-1.560	-1.712	-1.745
	49	-1.741	-1.814	-1.914	-2.000
	50	-1.703	-1.815	-1.854	-1.986
	54	-1.58	-1.611	-1.756	-1.794
min		-1.741	-1.815	-1.914	-2.000
max		-1.532	-1.560	-1.712	-1.745
mean		-1.639	-1.700	-1.809	-1.881
std. dev		0.099	0.134	0.092	0.131
mean - 3 sigma		-1.936	-2.101	-2.084	-2.273
mean +3 sigma		-1.342	-1.298	-1.534	-1.489

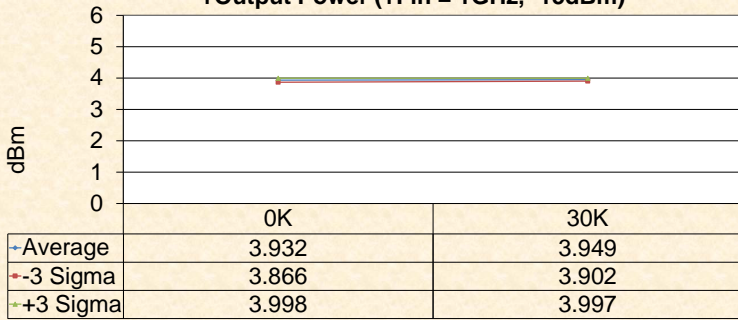
	SN	+Output Power (+Fin = 12GHz, 0dBm)		-Output Power (+Fin = 12GHz, 0dBm)	
		0K	30K	0K	30K
CTRL	2	-1.278	-2.855	-1.652	-3.161
	47	-1.388	-1.416	-1.734	-1.762
	49	-1.466	-1.58	-1.81	-1.932
	50	-1.612	-1.724	-1.913	-2.053
	54	-1.345	-1.444	-1.701	-1.799
min		-1.612	-1.724	-1.913	-2.053
max		-1.345	-1.416	-1.701	-1.762
mean		-1.453	-1.541	-1.790	-1.887
std. dev		0.117	0.141	0.094	0.133
mean - 3 sigma		-1.805	-1.965	-2.072	-2.285
mean +3 sigma		-1.101	-1.117	-1.507	-1.488

	SN	+Output Power (-Fin = 12GHz, 0dBm)		-Output Power (-Fin = 12GHz, 0dBm)	
		0K	30K	0K	30K
CTRL	2	-1.457	-3.023	-1.708	-3.309
	47	-1.498	-1.526	-1.734	-1.741
	49	-1.689	-1.757	-1.913	-1.967
	50	-1.64	-1.74	-1.828	-1.937
	54	-1.536	-1.574	-1.774	-1.793
min		-1.689	-1.757	-1.913	-1.967
max		-1.498	-1.526	-1.734	-1.741
mean		-1.591	-1.649	-1.812	-1.860
std. dev		0.089	0.116	0.077	0.110
mean - 3 sigma		-1.857	-1.999	-2.045	-2.188
mean +3 sigma		-1.324	-1.300	-1.580	-1.531

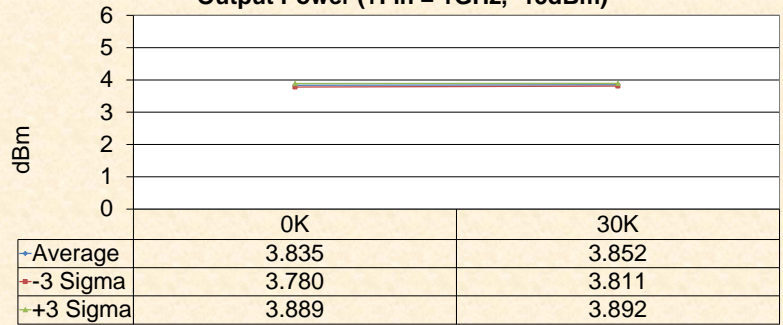
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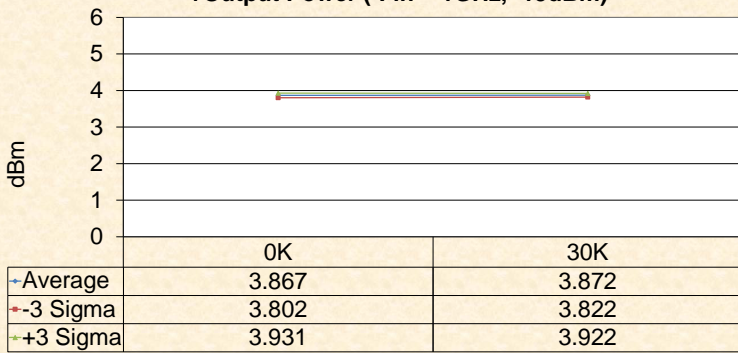
+Output Power (+Fin = 1GHz, -15dBm)



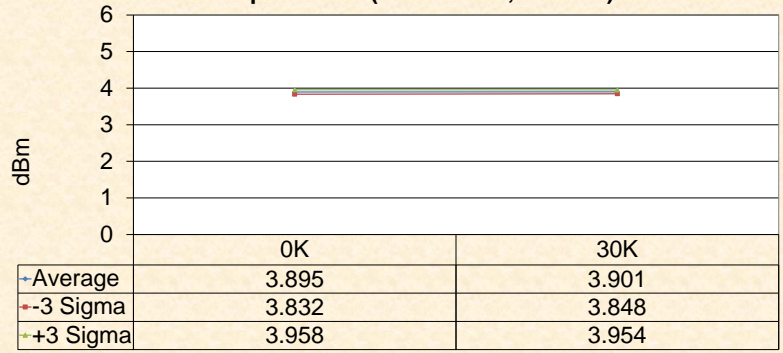
-Output Power (+Fin = 1GHz, -15dBm)



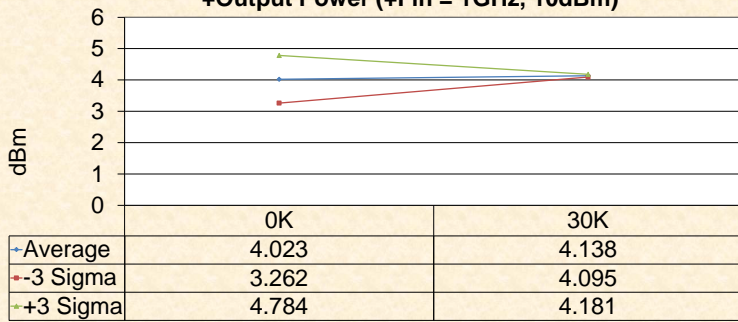
+Output Power (-Fin = 1GHz, -15dBm)



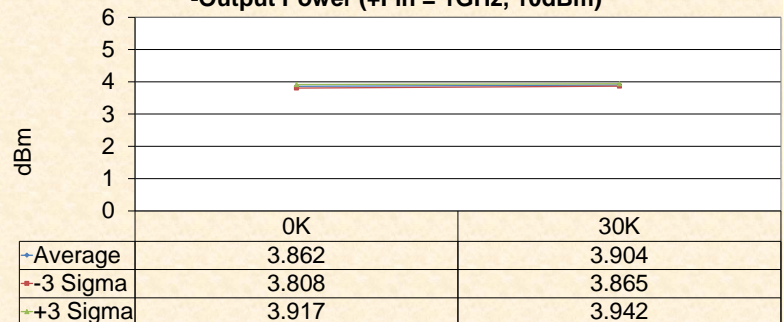
-Output Power (-Fin = 1GHz, -15dBm)

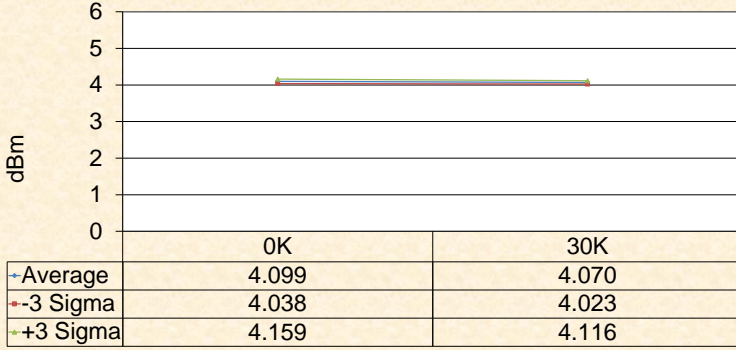
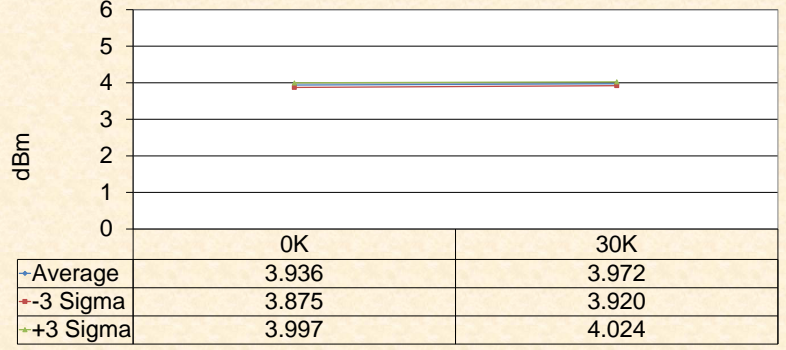
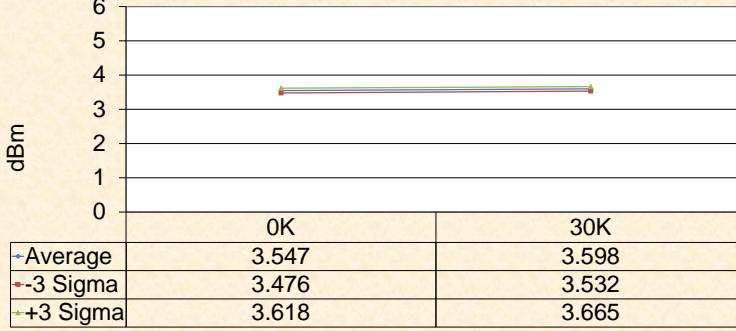
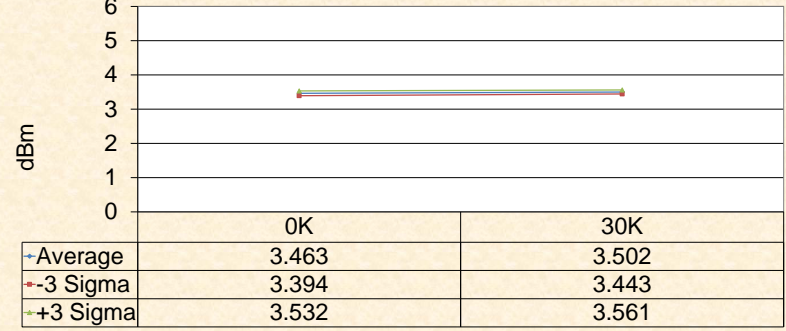
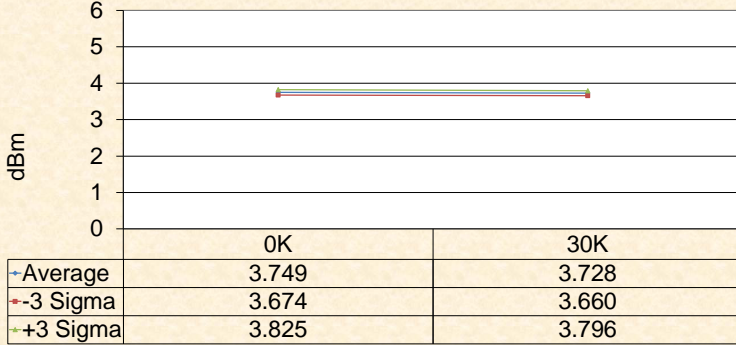
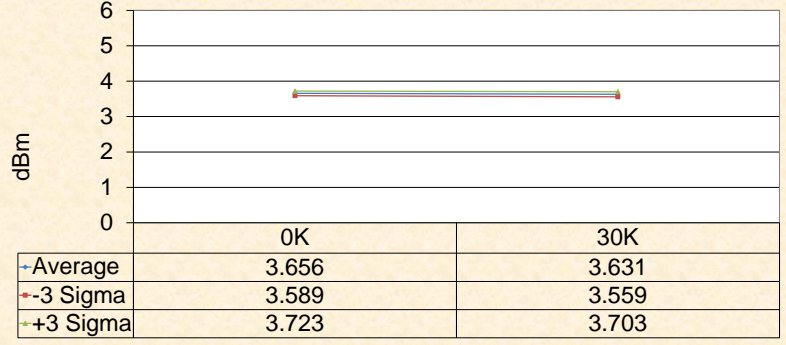
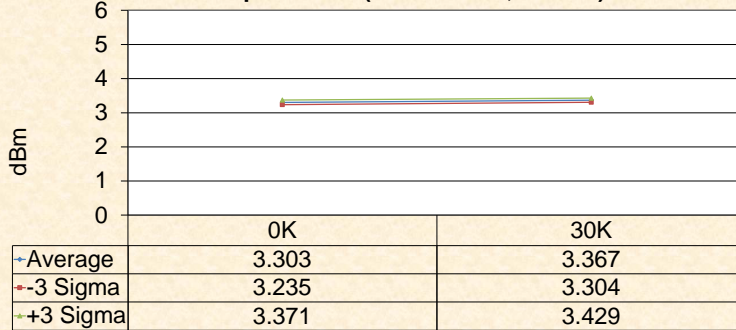
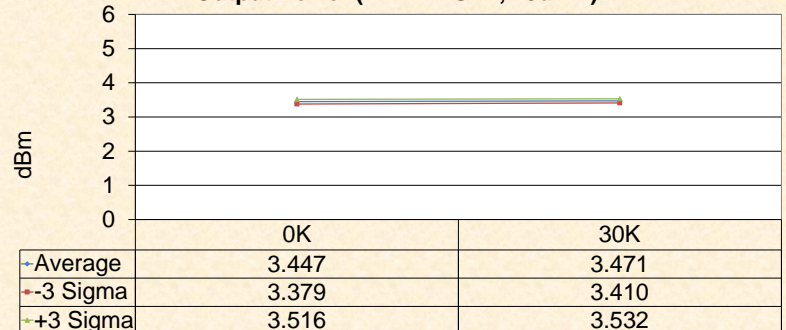


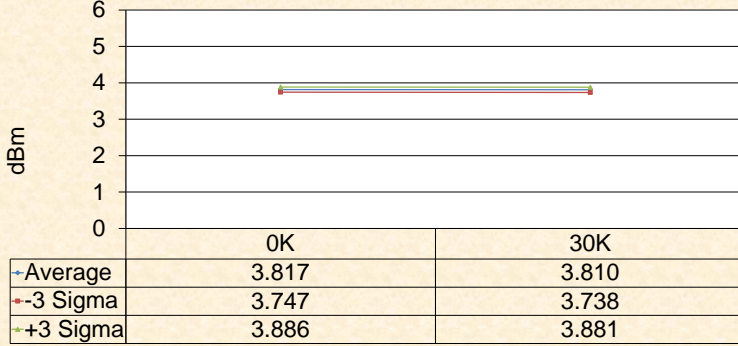
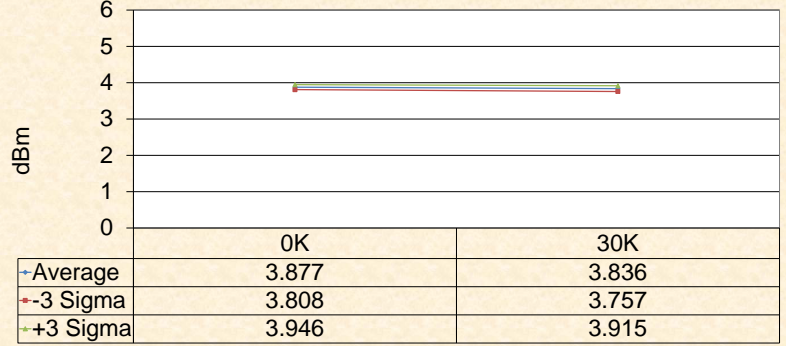
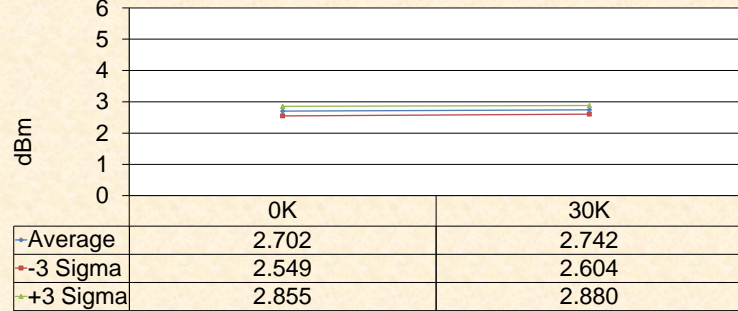
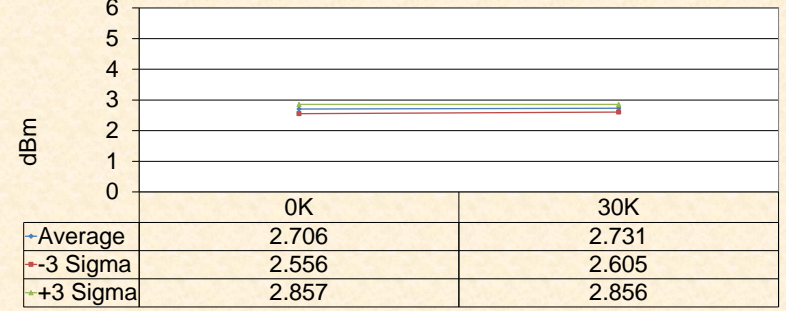
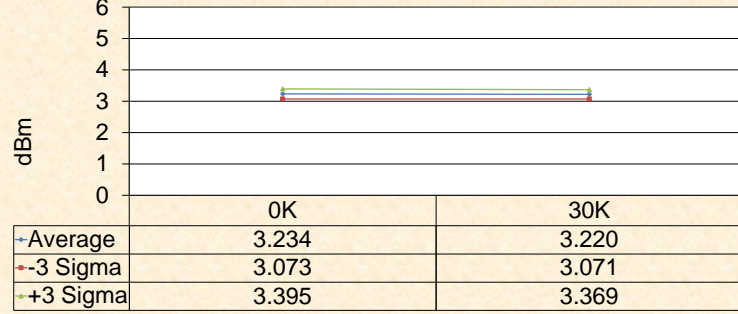
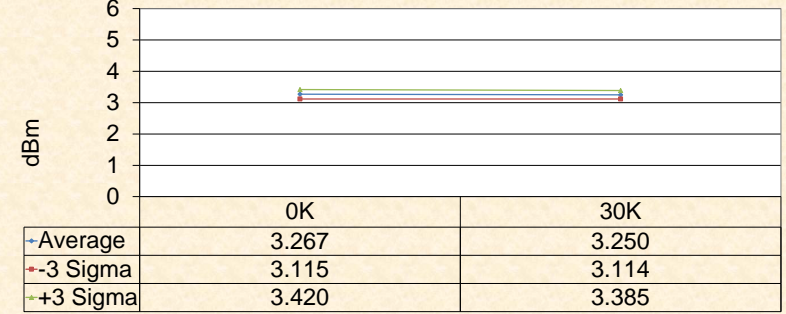
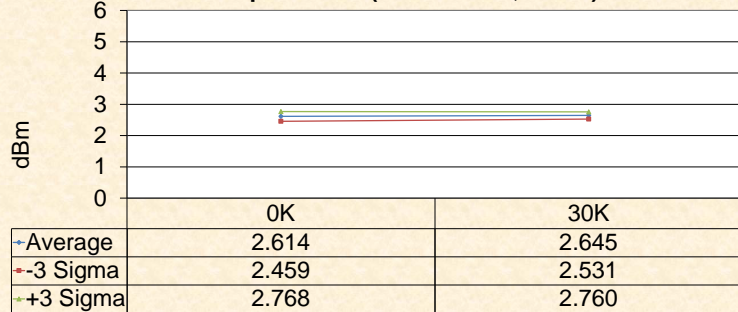
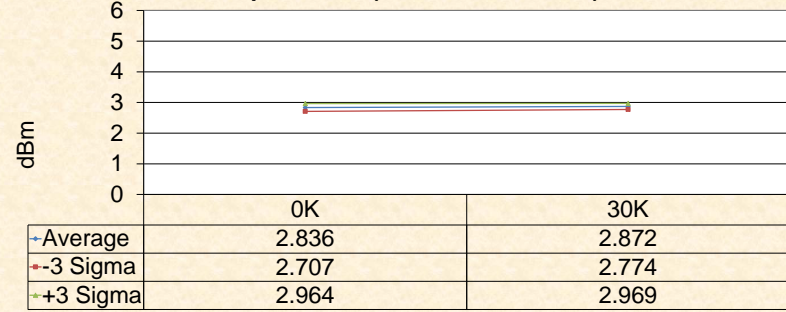
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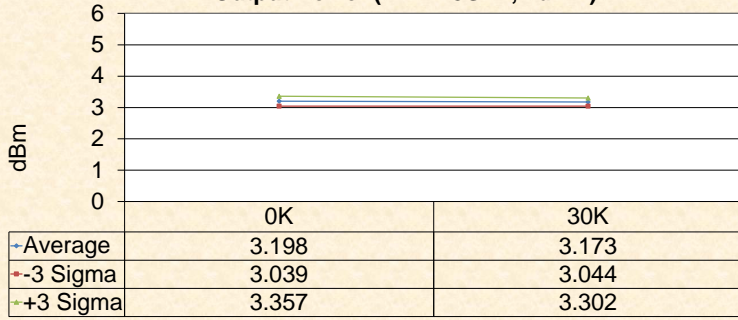
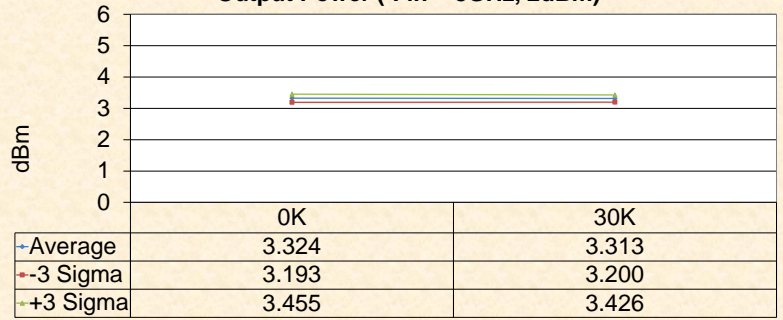
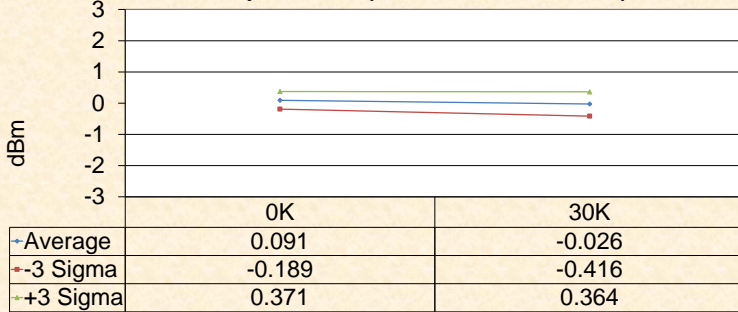
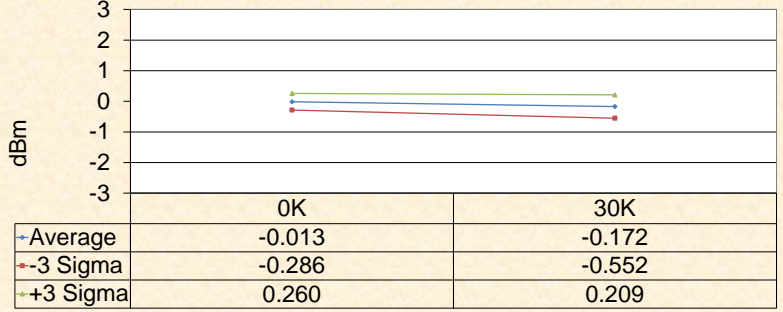
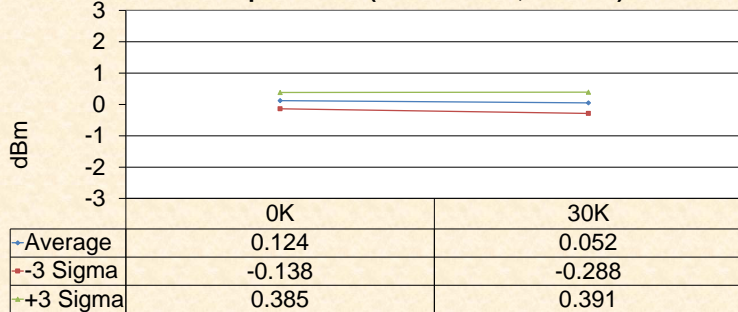
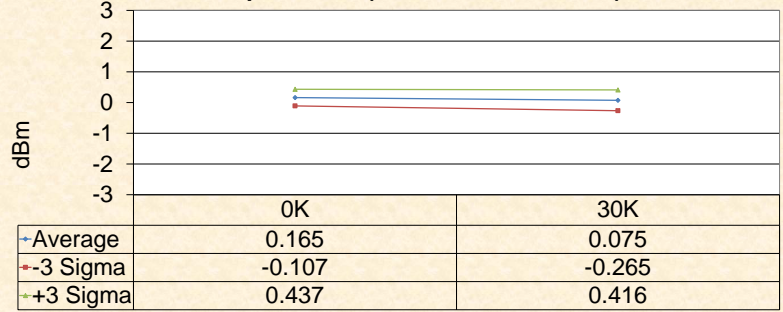
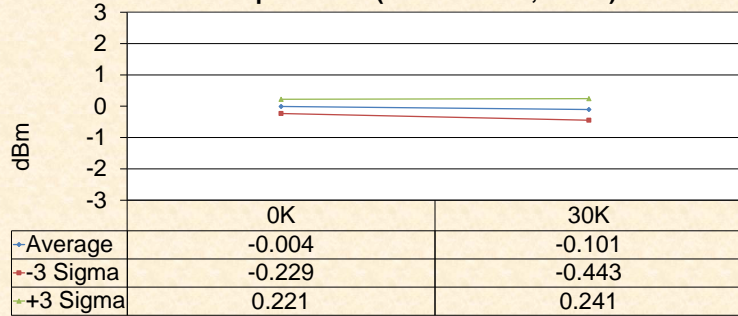
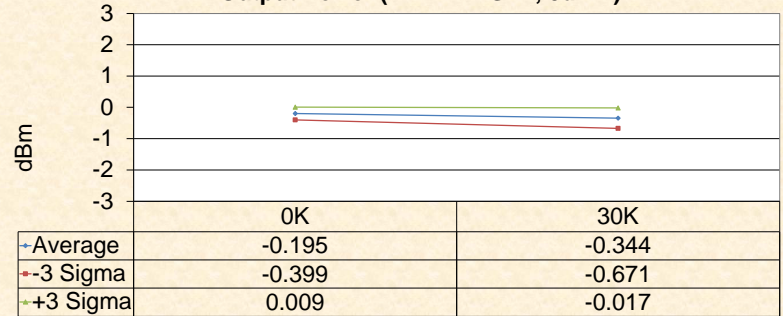


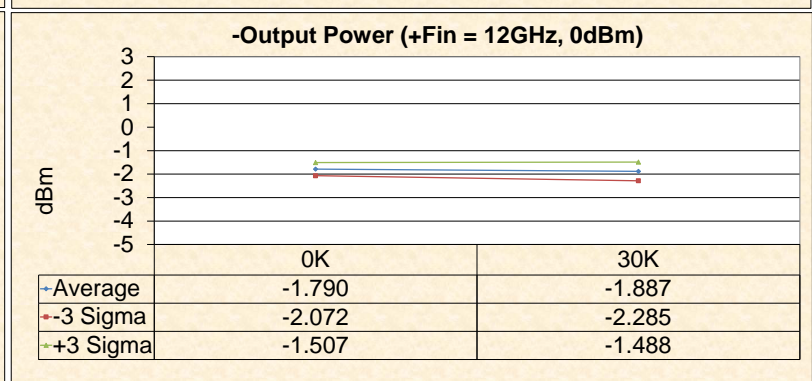
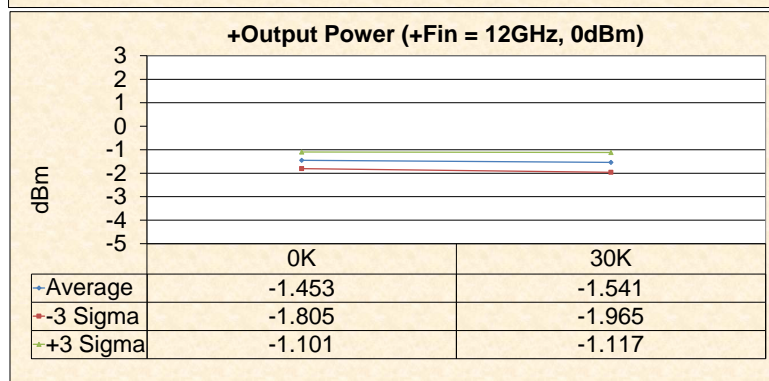
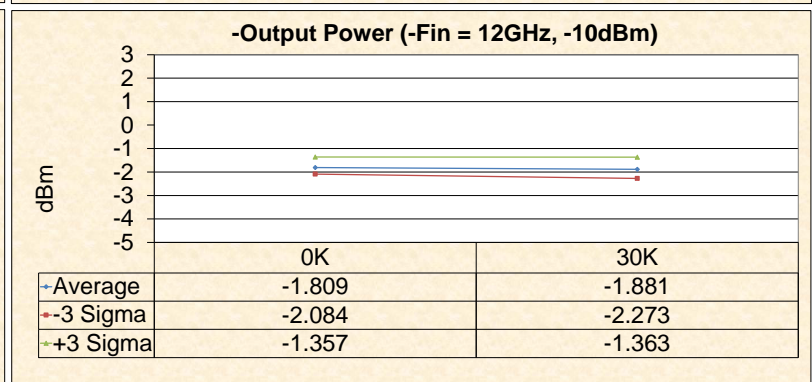
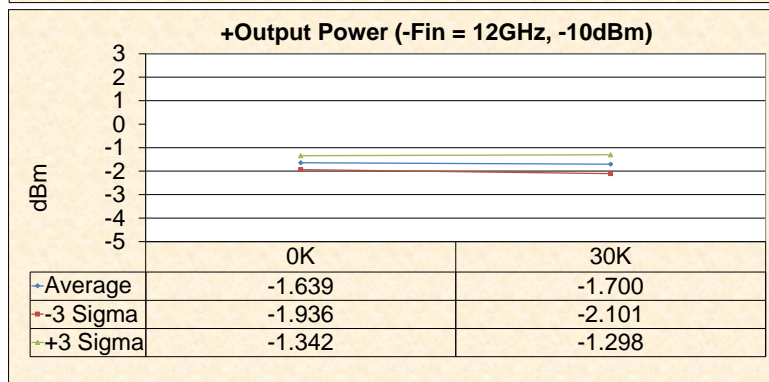
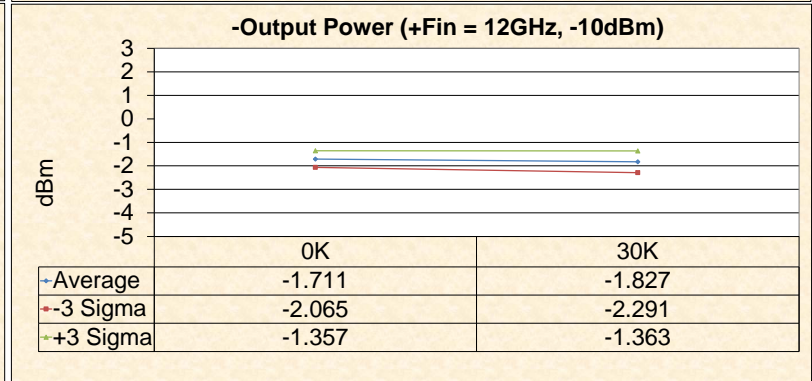
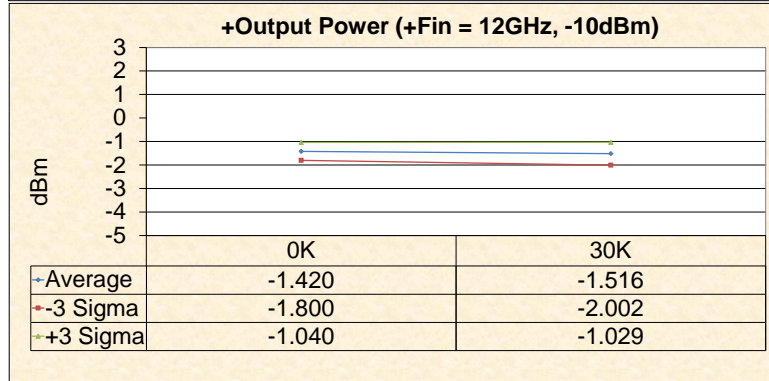
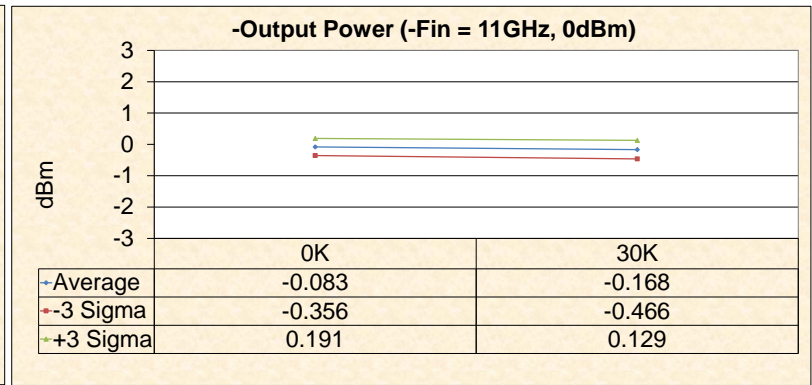
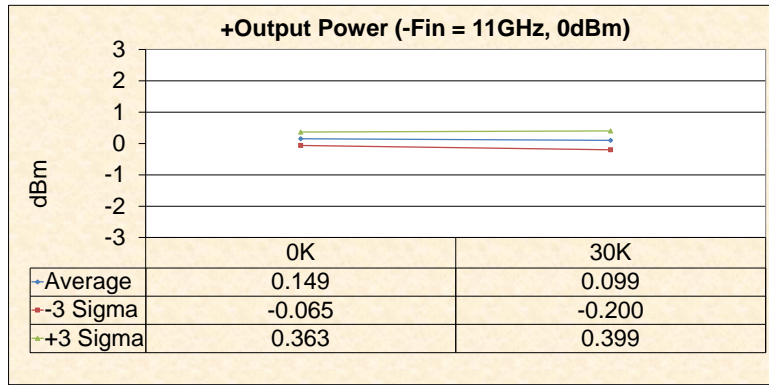
-Output Power (+Fin = 1GHz, 10dBm)



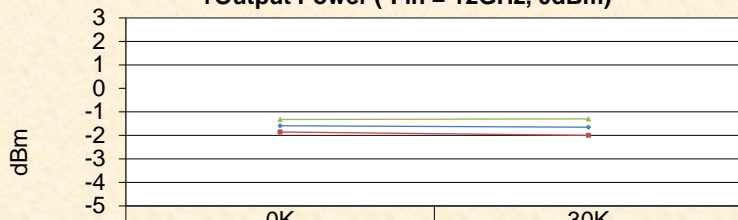
+Output Power (-Fin = 1GHz, 10dBm)**-Output Power (-Fin = 1GHz, 10dBm)****+Output Power (+Fin = 4GHz, -15dBm)****-Output Power (+Fin = 4GHz, -15dBm)****+Output Power (-Fin = 4GHz, -15dBm)****-Output Power (-Fin = 4GHz, -15dBm)****+Output Power (+Fin = 4GHz, 10dBm)****-Output Power (+Fin = 4GHz, 10dBm)**

+Output Power (-Fin = 4GHz, 10dBm)**-Output Power (-Fin = 4GHz, 10dBm)****+Output Power (+Fin = 8GHz, -15dBm)****-Output Power (+Fin = 8GHz, -15dBm)****+Output Power (-Fin = 8GHz, -15dBm)****-Output Power (-Fin = 8GHz, -15dBm)****+Output Power (+Fin = 8GHz, 2dBm)****-Output Power (+Fin = 8GHz, 2dBm)**

+Output Power (-Fin = 8GHz, 2dBm)**-Output Power (-Fin = 8GHz, 2dBm)****+Output Power (+Fin = 11GHz, -15dBm)****-Output Power (+Fin = 11GHz, -15dBm)****+Output Power (-Fin = 11GHz, -15dBm)****-Output Power (-Fin = 11GHz, -15dBm)****+Output Power (+Fin = 11GHz, 0dBm)****-Output Power (+Fin = 11GHz, 0dBm)**

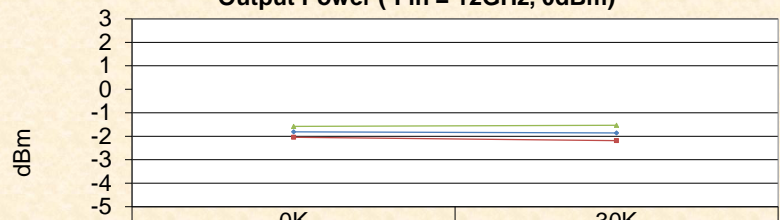


+Output Power (-Fin = 12GHz, 0dBm)



	0K	30K
+Average	-1.591	-1.649
+3 Sigma	-1.857	-1.999
+3 Sigma	-1.324	-1.300

-Output Power (-Fin = 12GHz, 0dBm)



	0K	30K
+Average	-1.812	-1.860
+3 Sigma	-2.045	-2.188
+3 Sigma	-1.580	-1.531

	SN	Supply Current Vcc = 5V	
		0K	10K
CTRL	2	81.953	82.055
	56	77.491	77.481
	57	82.445	82.365
	60	81.869	81.722
	61	81.507	81.421
min		77.491	77.481
max		82.445	82.365
mean		80.828	80.747
std. dev		2.258	2.213
mean - 3 sigma		74.055	74.108
mean +3 sigma		87.601	87.387

	SN	+Output Power (+Fin = 1GHz, -15dBm)		-Output Power (+Fin = 1GHz, -15dBm)	
		0K	10K	0K	10K
CTRL	2	3.961	3.908	3.863	3.894
	56	3.409	3.450	3.309	3.354
	57	4.042	4.028	3.953	3.929
	60	3.954	3.964	3.855	3.868
	61	3.871	3.869	3.776	3.764
min		3.409	3.450	3.309	3.354
max		4.042	4.028	3.953	3.929
mean		3.819	3.828	3.723	3.729
std. dev		0.282	0.260	0.285	0.259
mean - 3 sigma		2.973	3.047	2.867	2.952
mean +3 sigma		4.665	4.608	4.580	4.506

	SN	+Output Power (-Fin = 1GHz, -15dBm)		-Output Power (-Fin = 1GHz, -15dBm)	
		0K	10K	0K	10K
CTRL	2	3.888	3.956	3.914	3.947
	56	3.333	3.371	3.36	3.399
	57	3.982	3.949	4.011	3.978
	60	3.888	3.885	3.914	3.914
	61	3.805	3.785	3.832	3.810
min		3.333	3.371	3.360	3.399
max		3.982	3.949	4.011	3.978
mean		3.752	3.747	3.779	3.776
std. dev		0.289	0.260	0.289	0.260
mean - 3 sigma		2.886	2.968	2.912	2.995
mean +3 sigma		4.618	4.527	4.646	4.556

	SN	+Output Power (+Fin = 1GHz, 10dBm)		-Output Power (+Fin = 1GHz, 10dBm)	
		0K	10K	0K	10K
CTRL	2	4.09	4.012	3.881	3.809
	56	3.644	3.648	3.328	3.398
	57	4.266	4.212	3.983	3.984
	60	4.175	4.151	3.882	3.919
	61	4.095	4.053	3.802	3.815
min		3.644	3.648	3.328	3.398
max		4.266	4.212	3.983	3.984
mean		4.045	4.016	3.749	3.779
std. dev		0.276	0.254	0.290	0.263
mean - 3 sigma		3.216	3.255	2.878	2.989
mean +3 sigma		4.874	4.778	4.619	4.570

	SN	+Output Power (-Fin = 1GHz, 10dBm)		-Output Power (-Fin = 1GHz, 10dBm)	
		0K	10K	0K	10K
CTRL	2	4.118	4.062	3.954	3.865
	56	3.575	3.577	3.391	3.460
	57	4.211	4.143	4.056	4.045
	60	4.12	4.082	3.955	3.985
	61	4.037	3.984	3.872	3.879
min		3.575	3.577	3.391	3.460
max		4.211	4.143	4.056	4.045
mean		3.986	3.946	3.819	3.842
std. dev		0.283	0.255	0.295	0.264
mean - 3 sigma		3.137	3.181	2.934	3.050
mean +3 sigma		4.834	4.711	4.703	4.634

	SN	+Output Power (+Fin = 4GHz, -15dBm)		-Output Power (+Fin = 4GHz, -15dBm)	
		0K	10K	0K	10K
CTRL	2	3.588	2.827	3.499	2.821
	56	3.034	3.101	2.953	3.007
	57	3.678	3.679	3.597	3.579
	60	3.564	3.607	3.476	3.514
	61	3.506	3.523	3.423	3.427
min		3.034	3.101	2.953	3.007
max		3.678	3.679	3.597	3.579
mean		3.446	3.478	3.362	3.382
std. dev		0.283	0.259	0.282	0.257
mean - 3 sigma		2.595	2.701	2.515	2.610
mean +3 sigma		4.296	4.255	4.209	4.155

	SN	+Output Power (-Fin = 4GHz, -15dBm)		-Output Power (-Fin = 4GHz, -15dBm)	
		0K	10K	0K	10K
CTRL	2	3.778	3.138	3.685	3.139
	56	3.216	3.218	3.123	3.121
	57	3.873	3.797	3.777	3.699
	60	3.763	3.733	3.671	3.637
	61	3.705	3.647	3.612	3.552
min		3.216	3.218	3.123	3.121
max		3.873	3.797	3.777	3.699
mean		3.639	3.599	3.546	3.503
std. dev		0.291	0.261	0.290	0.261
mean - 3 sigma		2.767	2.815	2.676	2.719
mean +3 sigma		4.511	4.382	4.416	4.286

	SN	+Output Power (+Fin = 4GHz, 10dBm)		-Output Power (+Fin = 4GHz, 10dBm)	
		0K	10K	0K	10K
CTRL	2	3.351	2.819	3.477	2.819
	56	2.786	2.866	2.938	2.977
	57	3.444	3.453	3.575	3.545
	60	3.321	3.380	3.46	3.475
	61	3.262	3.289	3.41	3.396
min		2.786	2.866	2.938	2.977
max		3.444	3.453	3.575	3.545
mean		3.203	3.247	3.346	3.348
std. dev		0.288	0.263	0.280	0.255
mean - 3 sigma		2.338	2.459	2.504	2.584
mean +3 sigma		4.068	4.036	4.187	4.113

	SN	+Output Power (-Fin = 4GHz, 10dBm)		-Output Power (-Fin = 4GHz, 10dBm)	
		0K	10K	0K	10K
CTRL	2	3.852	3.132	3.902	3.133
	56	3.279	3.302	3.35	3.330
	57	3.952	3.890	3.995	3.899
	60	3.837	3.823	3.89	3.838
	61	3.77	3.728	3.833	3.755
min		3.279	3.302	3.350	3.330
max		3.952	3.890	3.995	3.899
mean		3.710	3.686	3.767	3.705
std. dev		0.297	0.264	0.286	0.257
mean - 3 sigma		2.819	2.893	2.909	2.934
mean +3 sigma		4.600	4.479	4.625	4.477

	SN	+Output Power (+Fin = 8GHz, -15dBm)		-Output Power (+Fin = 8GHz, -15dBm)	
		0K	10K	0K	10K
CTRL	2	2.777	1.182	2.763	1.166
	56	2.215	2.221	2.215	2.216
	57	2.812	2.788	2.815	2.777
	60	2.674	2.722	2.677	2.712
	61	2.702	2.684	2.706	2.668
min		2.215	2.221	2.215	2.216
max		2.812	2.788	2.815	2.777
mean		2.601	2.604	2.603	2.593
std. dev		0.264	0.259	0.266	0.255
mean - 3 sigma		1.809	1.828	1.807	1.827
mean +3 sigma		3.393	3.380	3.400	3.359

	SN	+Output Power (-Fin = 8GHz, -15dBm)		-Output Power (-Fin = 8GHz, -15dBm)	
		0K	10K	0K	10K
CTRL	2	3.284	1.619	3.315	1.623
	56	2.716	2.680	2.745	2.717
	57	3.324	3.244	3.361	3.277
	60	3.207	3.196	3.244	3.229
	61	3.25	3.168	3.279	3.197
min		2.716	2.680	2.745	2.717
max		3.324	3.244	3.361	3.277
mean		3.124	3.072	3.157	3.105
std. dev		0.276	0.263	0.279	0.261
mean - 3 sigma		2.295	2.282	2.320	2.322
mean +3 sigma		3.954	3.861	3.995	3.887

	SN	+Output Power (+Fin = 8GHz, 2dBm)		-Output Power (+Fin = 8GHz, 2dBm)	
		0K	10K	0K	10K
CTRL	2	2.674	1.099	2.884	1.192
	56	2.107	2.114	2.343	2.359
	57	2.718	2.691	2.954	2.922
	60	2.577	2.613	2.81	2.853
	61	2.615	2.585	2.83	2.804
min		2.107	2.114	2.343	2.359
max		2.718	2.691	2.954	2.922
mean		2.504	2.501	2.734	2.734
std. dev		0.271	0.262	0.268	0.255
mean - 3 sigma		1.690	1.716	1.929	1.969
mean +3 sigma		3.319	3.286	3.540	3.499

	SN	+Output Power (-Fin = 8GHz, 2dBm)		-Output Power (-Fin = 8GHz, 2dBm)	
		0K	10K	0K	10K
CTRL	2	3.243	1.59	3.365	1.698
	56	2.667	2.618	2.811	2.782
	57	3.278	3.190	3.419	3.343
	60	3.158	3.138	3.3	3.296
	61	3.211	3.110	3.331	3.247
min		2.667	2.618	2.811	2.782
max		3.278	3.190	3.419	3.343
mean		3.079	3.014	3.215	3.167
std. dev		0.279	0.266	0.274	0.260
mean - 3 sigma		2.242	2.216	2.393	2.388
mean +3 sigma		3.915	3.812	4.038	3.946

	SN	+Output Power (+Fin = 11GHz, -15dBm)		-Output Power (+Fin = 11GHz, -15dBm)	
		0K	10K	0K	10K
CTRL	2	0.283	-1.85	0.153	-1.893
	56	-0.403	-0.528	-0.509	-0.665
	57	0.223	0.103	0.129	-0.044
	60	0.107	0.038	0.006	-0.108
	61	0.172	0.079	0.07	-0.065
min		-0.403	-0.528	-0.509	-0.665
max		0.223	0.103	0.129	-0.044
mean		0.025	-0.077	-0.076	-0.220
std. dev		0.289	0.302	0.293	0.298
mean - 3 sigma		-0.843	-0.983	-0.955	-1.113
mean +3 sigma		0.892	0.828	0.803	0.672

	SN	+Output Power (-Fin = 11GHz, -15dBm)		-Output Power (-Fin = 11GHz, -15dBm)	
		0K	10K	0K	10K
CTRL	2	0.235	-1.605	0.268	-1.636
	56	-0.337	-0.417	-0.286	-0.389
	57	0.104	0.032	0.161	0.060
	60	0.149	0.109	0.196	0.138
	61	0.238	0.235	0.276	0.251
min		-0.337	-0.417	-0.286	-0.389
max		0.238	0.235	0.276	0.251
mean		0.039	-0.011	0.087	0.015
std. dev		0.256	0.284	0.253	0.281
mean - 3 sigma		-0.731	-0.862	-0.673	-0.826
mean +3 sigma		0.808	0.841	0.846	0.857

	SN	+Output Power (+Fin = 11GHz, 0dBm)		-Output Power (+Fin = 11GHz, 0dBm)	
		0K	10K	0K	10K
CTRL	2	0.165	-1.73	-0.114	-1.859
	56	-0.55	-0.615	-0.703	-0.832
	57	0.091	-0.008	-0.005	-0.197
	60	-0.033	-0.104	-0.169	-0.317
	61	0.071	-0.008	-0.175	-0.278
min		-0.550	-0.615	-0.703	-0.832
max		0.091	-0.008	-0.005	-0.197
mean		-0.105	-0.183	-0.263	-0.406
std. dev		0.301	0.291	0.304	0.288
mean - 3 sigma		-1.010	-1.057	-1.174	-1.271
mean +3 sigma		0.799	0.690	0.648	0.459

	SN	+Output Power (-Fin = 11GHz, 0dBm)		-Output Power (-Fin = 11GHz, 0dBm)	
		0K	10K	0K	10K
CTRL	2	0.258	-1.538	-0.059	-1.656
	56	-0.351	-0.394	-0.547	-0.637
	57	0.097	0.043	-0.042	-0.168
	60	0.136	0.126	-0.039	-0.114
	61	0.265	0.272	-0.029	-0.035
min		-0.351	-0.394	-0.547	-0.637
max		0.265	0.272	-0.029	-0.035
mean		0.037	0.012	-0.164	-0.238
std. dev		0.268	0.287	0.255	0.271
mean - 3 sigma		-0.768	-0.848	-0.930	-1.052
mean +3 sigma		0.842	0.872	0.601	0.576

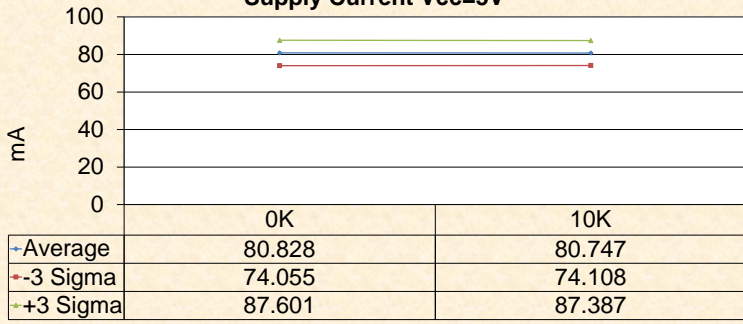
	SN	+Output Power (+Fin = 12GHz, -10dBm)		-Output Power (+Fin = 12GHz, -10dBm)	
		0K	10K	0K	10K
CTRL	2	-1.224	-2.921	-1.539	-3.053
	56	-1.913	-2.021	-2.21	-2.361
	57	-1.366	-1.465	-1.636	-1.757
	60	-1.461	-1.509	-1.753	-1.825
	61	-1.293	-1.395	-1.593	-1.721
min		-1.913	-2.021	-2.210	-2.361
max		-1.293	-1.395	-1.593	-1.721
mean		-1.508	-1.598	-1.798	-1.916
std. dev		0.278	0.286	0.283	0.300
mean - 3 sigma		-2.344	-2.457	-2.647	-2.816
mean +3 sigma		-0.673	-0.739	-0.949	-1.017

	SN	+Output Power (-Fin = 12GHz, -10dBm)		-Output Power (-Fin = 12GHz, -10dBm)	
		0K	10K	0K	10K
CTRL	2	-1.486	-3.079	-1.674	-3.182
	56	-2.095	-2.157	-2.278	-2.363
	57	-1.725	-1.778	-1.877	-1.943
	60	-1.659	-1.663	-1.834	-1.843
	61	-1.495	-1.520	-1.675	-1.709
min		-2.095	-2.157	-2.278	-2.363
max		-1.495	-1.520	-1.675	-1.709
mean		-1.744	-1.779	-1.916	-1.964
std. dev		0.254	0.273	0.256	0.282
mean - 3 sigma		-2.504	-2.598	-2.685	-2.812
mean +3 sigma		-0.983	-0.961	-1.147	-1.117

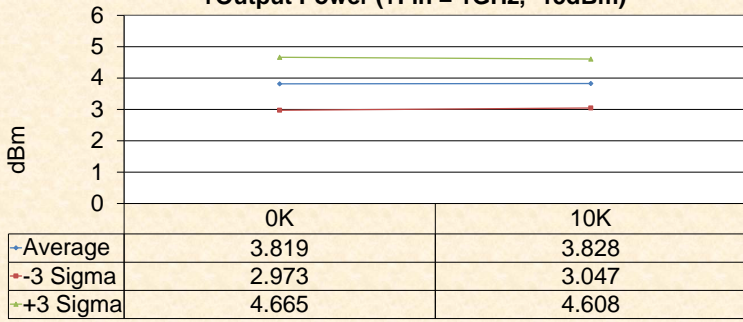
	SN	+Output Power (+Fin = 12GHz, 0dBm)		-Output Power (+Fin = 12GHz, 0dBm)	
		0K	10K	0K	10K
CTRL	2	-1.278	-2.855	-1.652	-3.161
	56	-1.968	-2.058	-2.338	-2.451
	57	-1.403	-1.503	-1.692	-1.803
	60	-1.515	-1.559	-1.852	-1.903
	61	-1.33	-1.434	-1.706	-1.818
min		-1.968	-2.058	-2.338	-2.451
max		-1.330	-1.434	-1.692	-1.803
mean		-1.554	-1.639	-1.897	-1.994
std. dev		0.286	0.284	0.303	0.308
mean - 3 sigma		-2.413	-2.491	-2.805	-2.918
mean +3 sigma		-0.695	-0.786	-0.989	-1.070

	SN	+Output Power (-Fin = 12GHz, 0dBm)		-Output Power (-Fin = 12GHz, 0dBm)	
		0K	10K	0K	10K
CTRL	2	-1.457	-3.023	-1.708	-3.309
	56	-2.07	-2.124	-2.327	-2.384
	57	-1.678	-1.74	-1.857	-1.908
	60	-1.633	-1.634	-1.855	-1.845
	61	-1.454	-1.487	-1.714	-1.732
min		-2.070	-2.124	-2.327	-2.384
max		-1.454	-1.487	-1.714	-1.732
mean		-1.709	-1.746	-1.938	-1.967
std. dev		0.260	0.272	0.268	0.287
mean - 3 sigma		-2.487	-2.563	-2.741	-2.829
mean +3 sigma		-0.930	-0.929	-1.135	-1.106

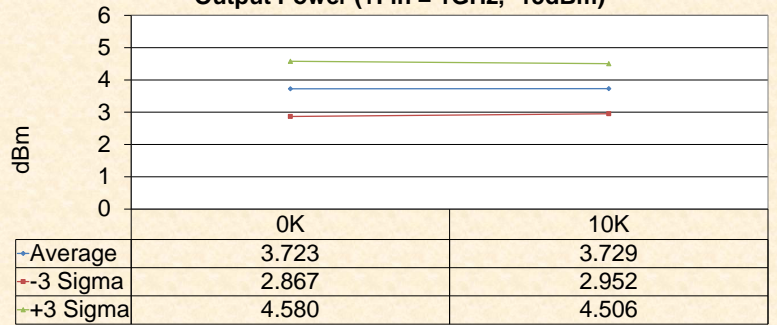
Supply Current Vcc=5V



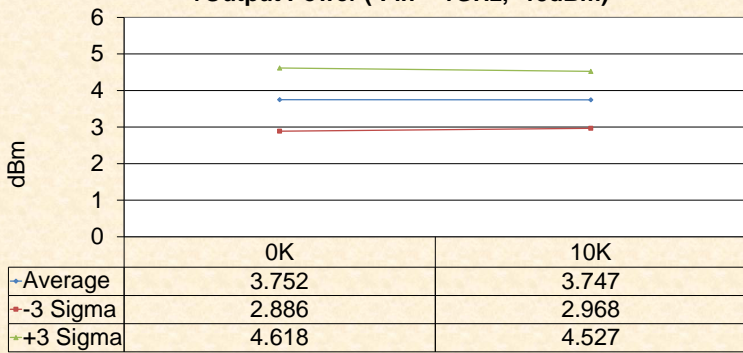
+Output Power (+Fin = 1GHz, -15dBm)



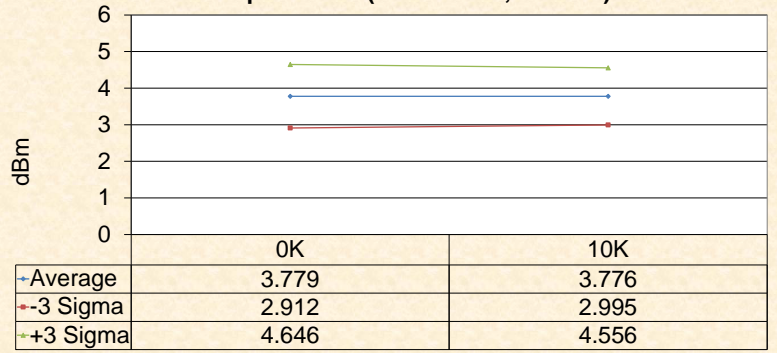
-Output Power (+Fin = 1GHz, -15dBm)



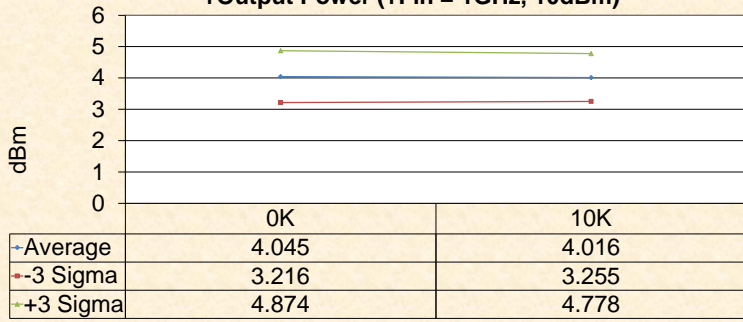
+Output Power (-Fin = 1GHz, -15dBm)



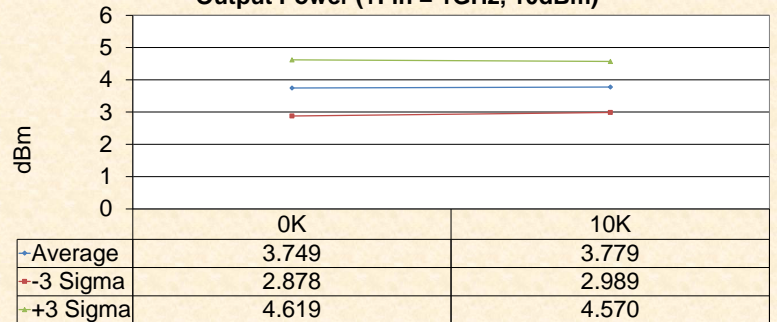
-Output Power (-Fin = 1GHz, -15dBm)



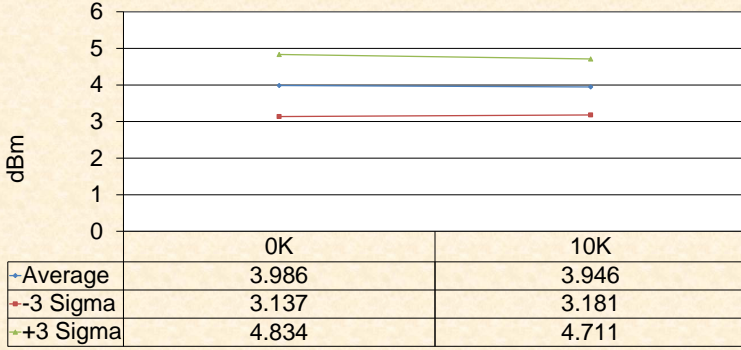
+Output Power (+Fin = 1GHz, 10dBm)



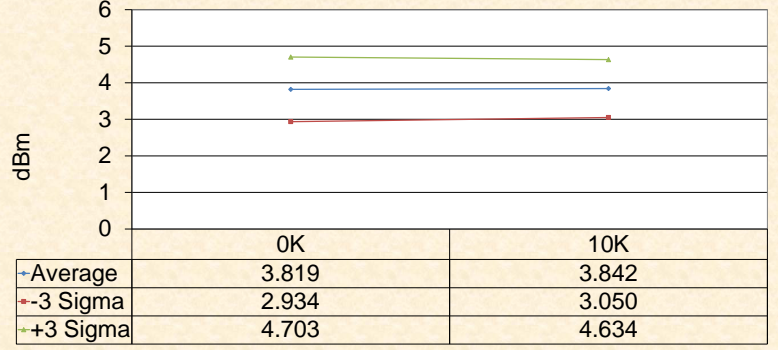
-Output Power (+Fin = 1GHz, 10dBm)



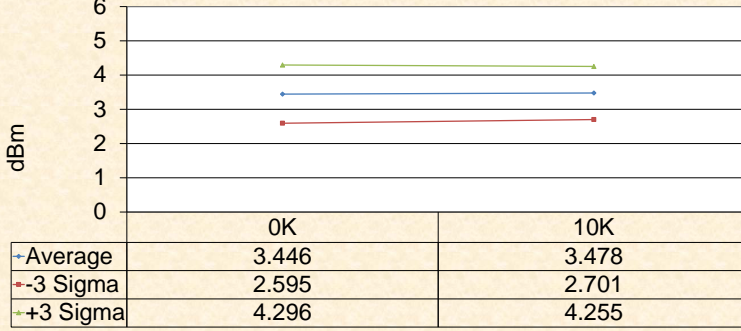
+Output Power (-Fin = 1GHz, 10dBm)



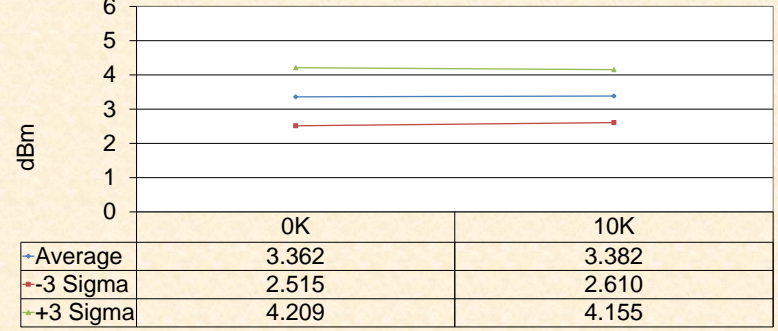
-Output Power (-Fin = 1GHz, 10dBm)



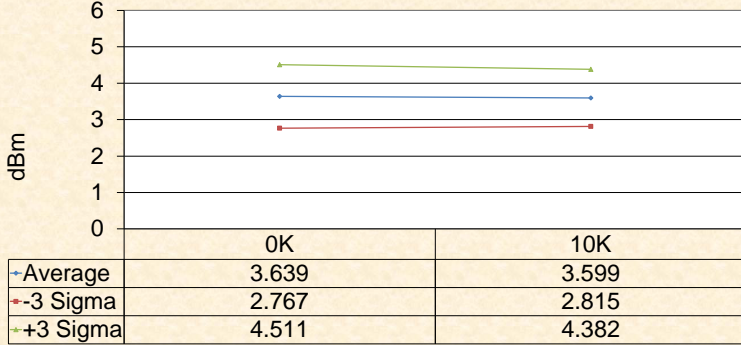
+Output Power (+Fin = 4GHz, -15dBm)



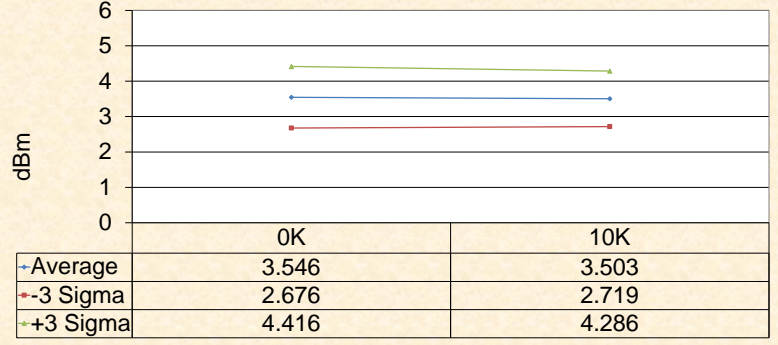
-Output Power (+Fin = 4GHz, -15dBm)



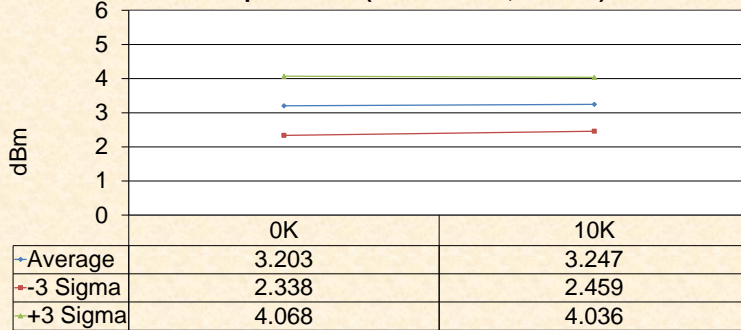
+Output Power (-Fin = 4GHz, -15dBm)



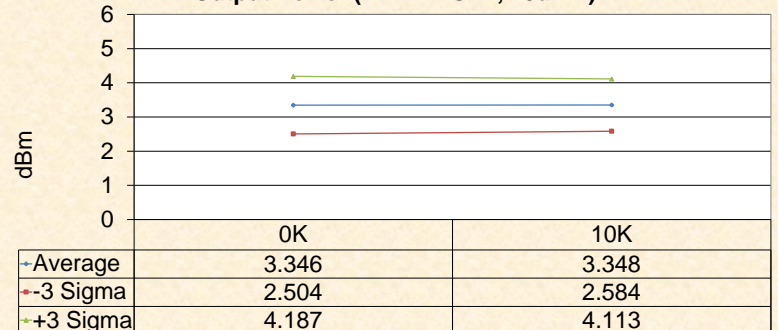
-Output Power (-Fin = 4GHz, -15dBm)

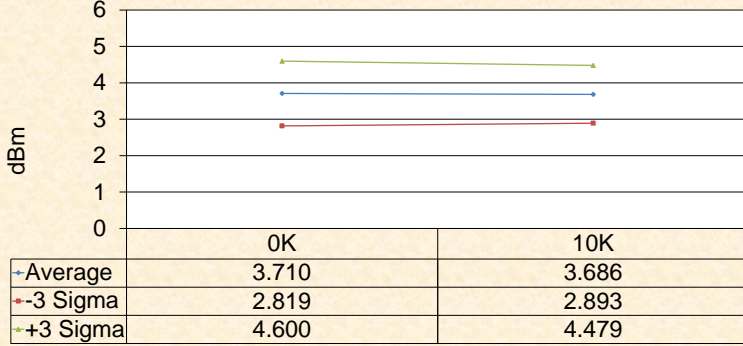
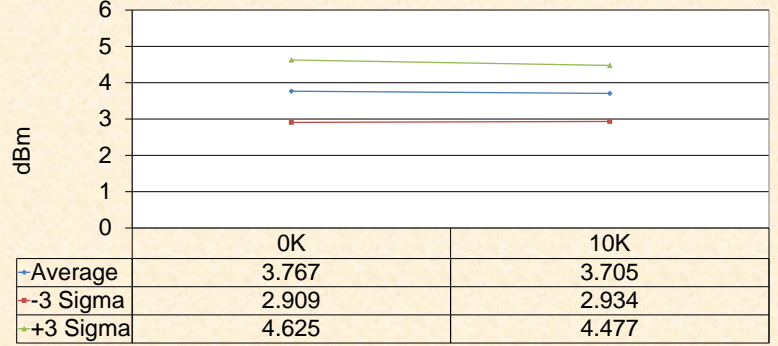
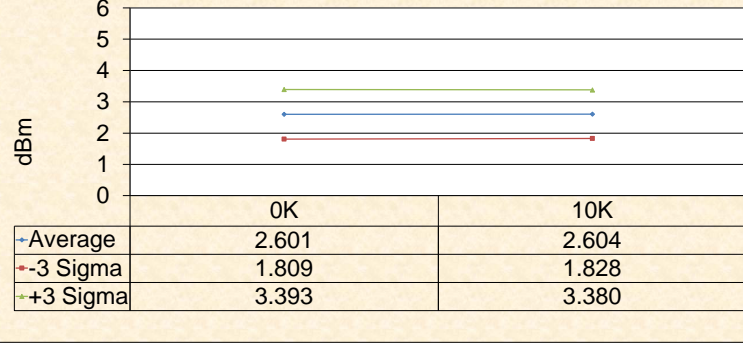
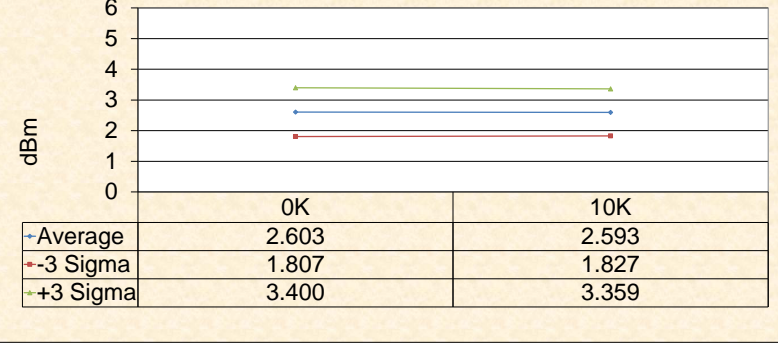
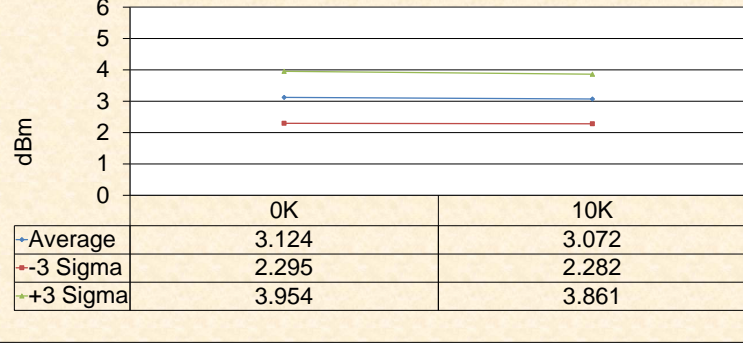
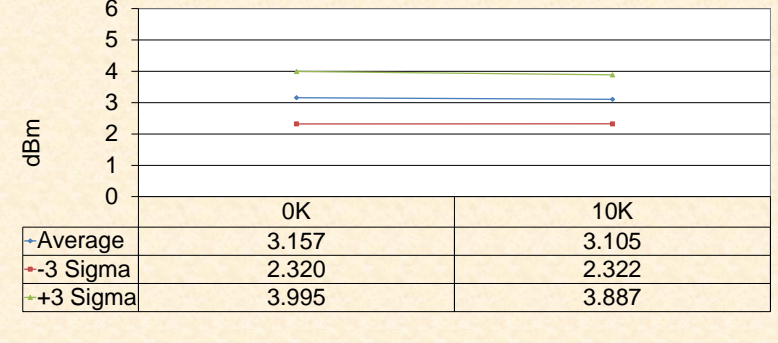
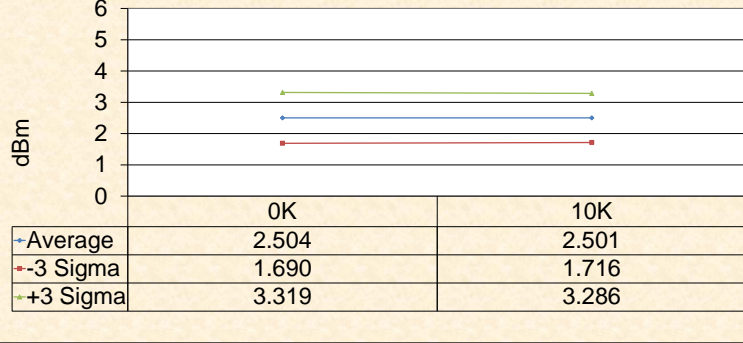
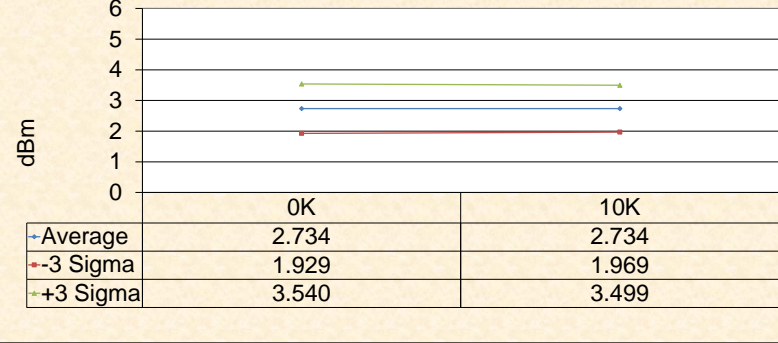


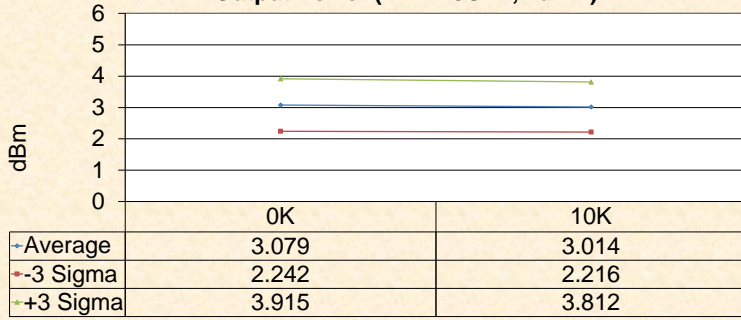
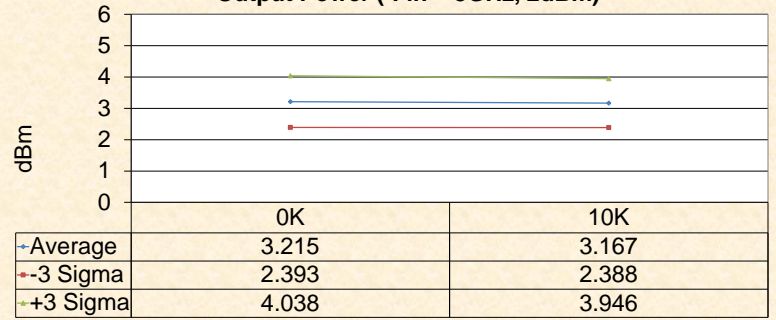
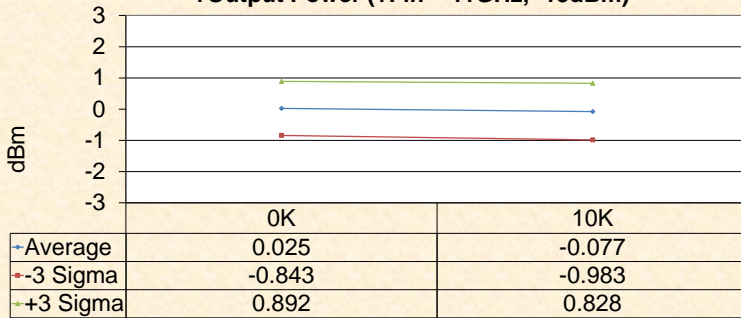
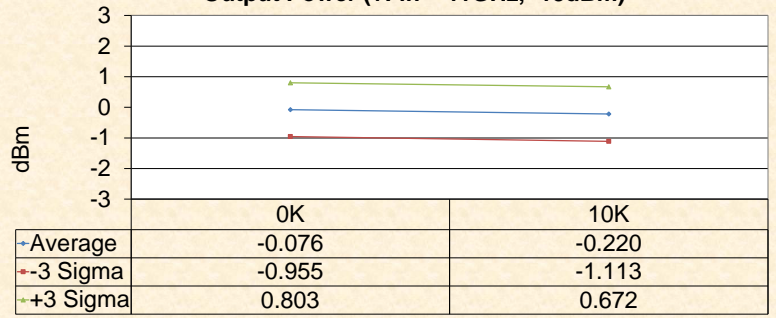
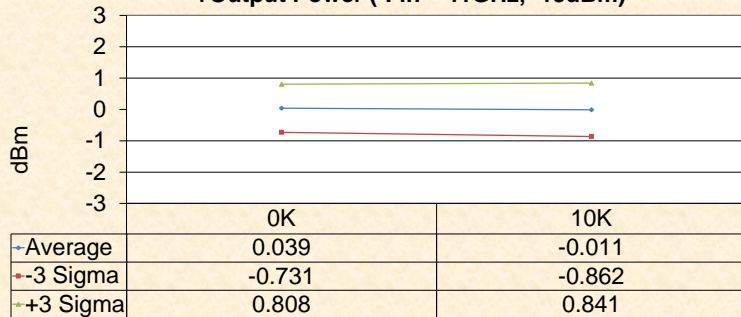
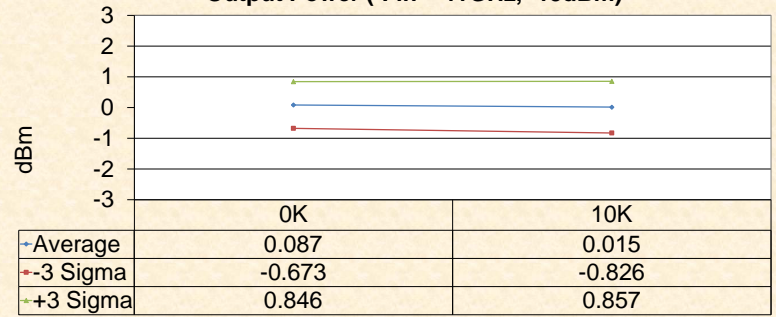
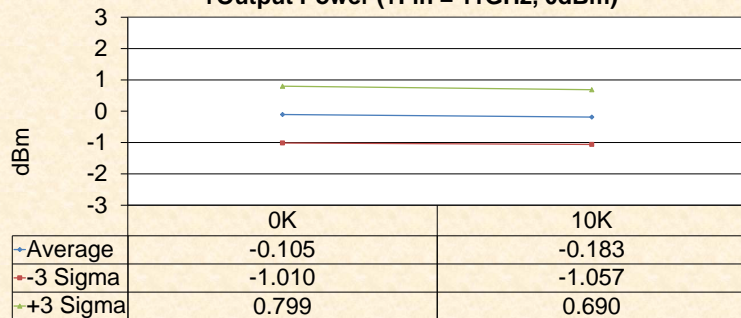
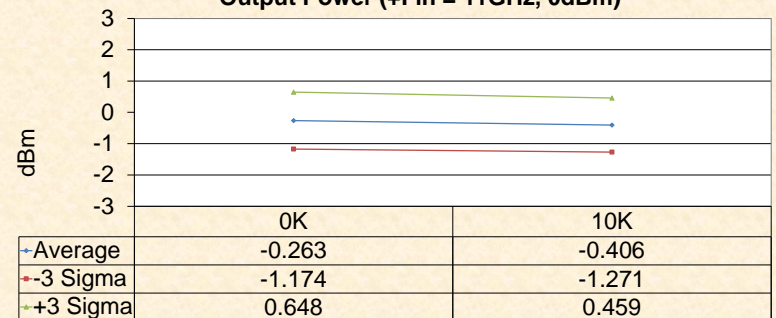
+Output Power (+Fin = 4GHz, 10dBm)

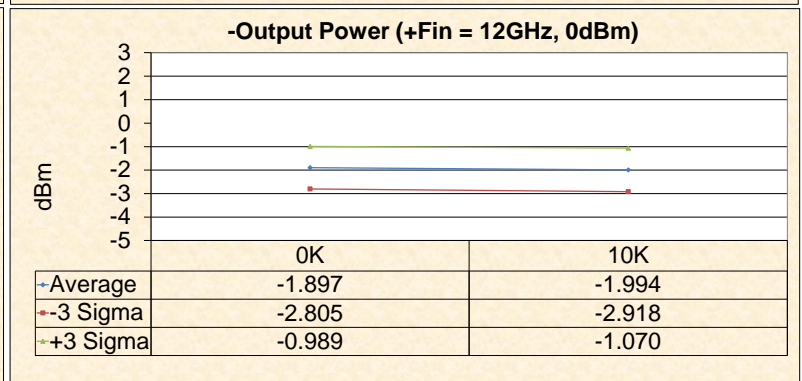
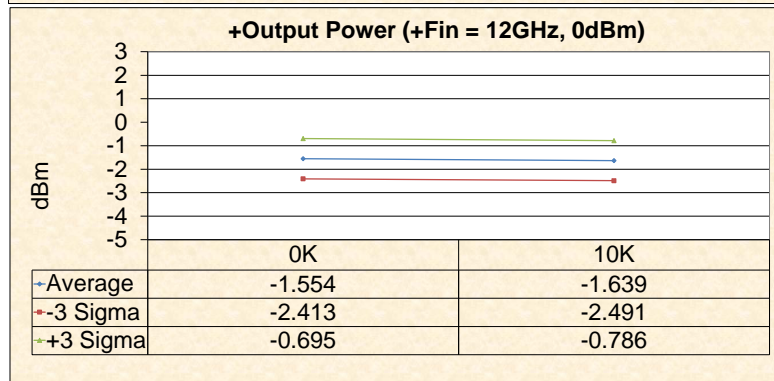
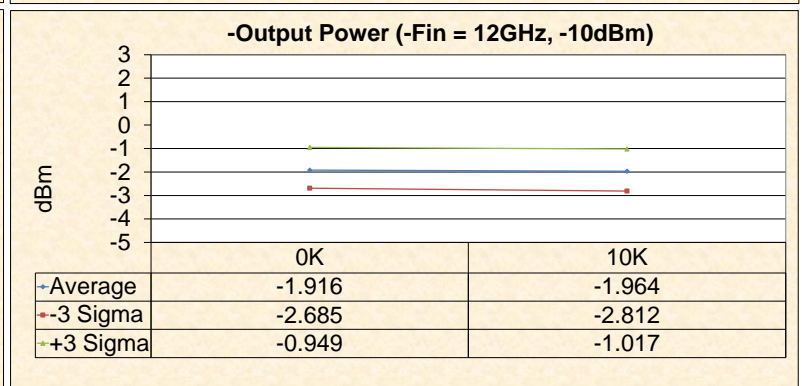
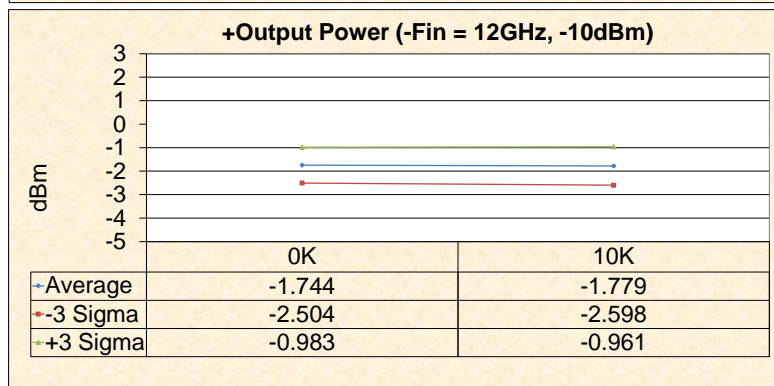
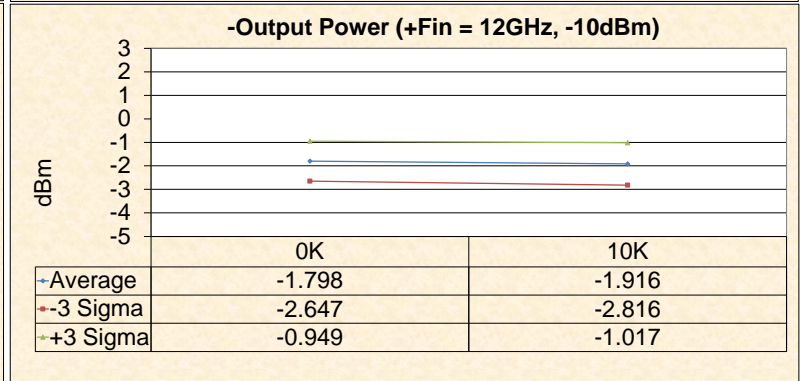
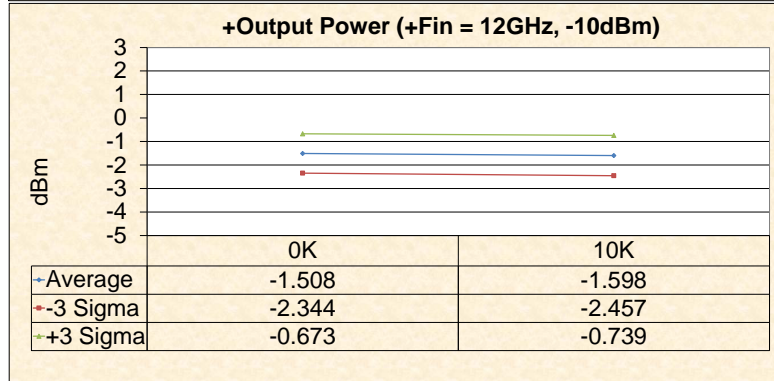
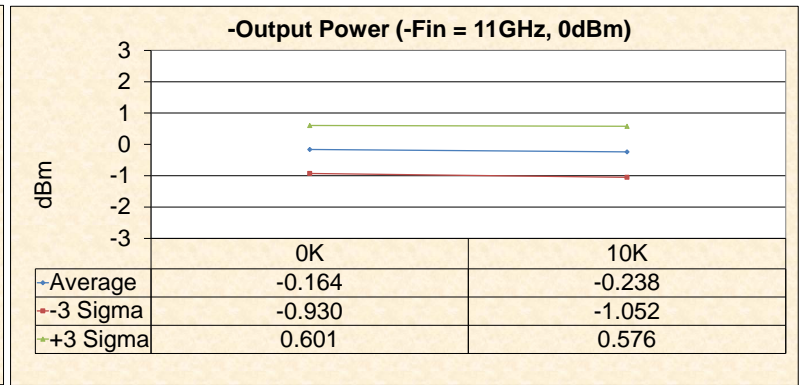
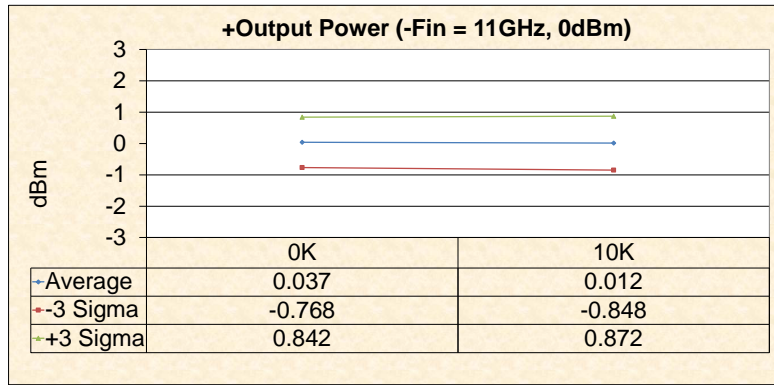


-Output Power (+Fin = 4GHz, 10dBm)

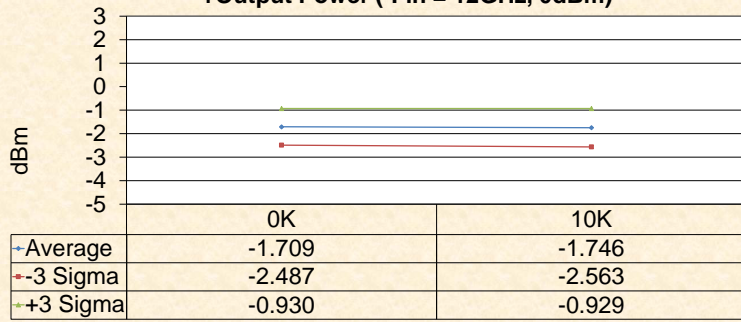


+Output Power (-Fin = 4GHz, 10dBm)**-Output Power (-Fin = 4GHz, 10dBm)****+Output Power (+Fin = 8GHz, -15dBm)****-Output Power (+Fin = 8GHz, -15dBm)****+Output Power (-Fin = 8GHz, -15dBm)****-Output Power (-Fin = 8GHz, -15dBm)****+Output Power (+Fin = 8GHz, 2dBm)****-Output Power (+Fin = 8GHz, 2dBm)**

+Output Power (-Fin = 8GHz, 2dBm)**-Output Power (-Fin = 8GHz, 2dBm)****+Output Power (+Fin = 11GHz, -15dBm)****-Output Power (+Fin = 11GHz, -15dBm)****+Output Power (-Fin = 11GHz, -15dBm)****-Output Power (-Fin = 11GHz, -15dBm)****+Output Power (+Fin = 11GHz, 0dBm)****-Output Power (+Fin = 11GHz, 0dBm)**



+Output Power (-Fin = 12GHz, 0dBm)



-Output Power (-Fin = 12GHz, 0dBm)

