



AHEAD OF WHAT'S POSSIBLE™

HIGH DOSE RADIATION TEST REPORT ADH363S

March 2020

Generic



Radiation Test Report	
Product:	ADH363S
Gamma:	0, 10k, 30k, 50k, 100k, 24hr
Gamma Source:	Co60/TM1019 Condition A
Dose Rate:	133 Rad/s
Facilities:	VPT RAD
Tested:	3/10/20

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	SN	Dynamic Supply Current Vdd = 5V			Supply Current (no RFin) Vdd = 5V		
		0K	100K	24hr	0K	100K	24hr
CTRL	5	85.943	86.021	86.074	85.903	85.987	86.016
	26	86.03	85.907	86.099	85.98	85.88	86.061
	27	86.244	86.178	86.311	86.196	86.144	86.26
	28	86.56	86.515	86.668	86.528	86.488	86.637
	29	85.636	85.553	85.649	85.611	85.504	85.604
	30	86.542	86.51	86.566	86.501	86.466	86.514
	31	85.937	85.924	86.048	85.931	85.868	86.018
	32	86.246	86.174	86.324	86.221	86.141	86.289
	34	86.574	86.49	86.589	86.525	86.461	86.529
	35	86.696	86.629	86.791	86.644	86.588	86.725
	36	86.185	86.094	86.199	86.161	86.036	86.175
min		85.636	85.553	85.649	85.611	85.504	85.604
max		86.696	86.629	86.791	86.644	86.588	86.725
mean		86.265	86.197	86.324	86.230	86.158	86.281
std. dev		0.335	0.343	0.344	0.327	0.347	0.338
mean - 3 sigma		85.260	85.170	85.293	85.249	85.116	85.268
mean +3 sigma		87.270	87.225	87.356	87.210	87.199	87.295

	SN	+Output Power (+Fin = 1GHz, 10dBm)			-Output Power (+Fin = 1GHz, 10dBm)		
		0K	100K	24hr	0K	100K	24hr
CTRL	5	4.481	4.535	4.546	4.477	4.531	4.541
	26	4.511	4.526	4.554	4.507	4.52	4.55
	27	4.482	4.498	4.539	4.477	4.492	4.531
	28	4.569	4.58	4.618	4.564	4.575	4.613
	29	4.519	4.528	4.541	4.515	4.523	4.535
	30	4.615	4.64	4.661	4.612	4.636	4.656
	31	4.492	4.514	4.549	4.488	4.51	4.546
	32	4.505	4.512	4.561	4.5	4.508	4.558
	34	4.54	4.568	4.585	4.537	4.564	4.581
	35	4.566	4.583	4.62	4.56	4.579	4.616
	36	4.522	4.535	4.565	4.52	4.531	4.561
min		4.482	4.498	4.539	4.477	4.492	4.531
max		4.615	4.640	4.661	4.612	4.636	4.656
mean		4.532	4.548	4.579	4.528	4.544	4.575
std. dev		0.041	0.044	0.041	0.041	0.044	0.041
mean - 3 sigma		4.410	4.418	4.457	4.405	4.412	4.451
mean +3 sigma		4.655	4.679	4.702	4.651	4.676	4.698

	SN	+Output Power (-Fin = 1GHz, 10dBm)			-Output Power (-Fin = 1GHz, 10dBm)		
		0K	100K	24hr	0K	100K	24hr
CTRL	5	4.467	4.521	4.53	4.464	4.518	4.528
	26	4.495	4.511	4.54	4.491	4.508	4.536
	27	4.467	4.483	4.523	4.463	4.479	4.519
	28	4.555	4.565	4.601	4.551	4.562	4.599
	29	4.505	4.516	4.526	4.502	4.51	4.522
	30	4.602	4.625	4.648	4.598	4.622	4.644
	31	4.478	4.501	4.536	4.476	4.498	4.532
	32	4.49	4.499	4.547	4.487	4.496	4.544
	34	4.526	4.555	4.572	4.523	4.552	4.567
	35	4.55	4.57	4.606	4.548	4.566	4.604
	36	4.51	4.521	4.551	4.505	4.518	4.548
min		4.467	4.483	4.523	4.463	4.479	4.519
max		4.602	4.625	4.648	4.598	4.622	4.644
mean		4.518	4.535	4.565	4.514	4.531	4.562
std. dev		0.041	0.043	0.041	0.041	0.044	0.041
mean - 3 sigma		4.394	4.405	4.442	4.391	4.400	4.437
mean +3 sigma		4.641	4.665	4.688	4.638	4.662	4.686

	SN	+Output Power (+Fin = 1GHz, -15dBm)			-Output Power (+Fin = 1GHz, -15dBm)		
		0K	100K	24hr	0K	100K	24hr
CTRL	5	4.465	4.52	4.529	4.466	4.518	4.528
	26	4.492	4.509	4.537	4.492	4.508	4.535
	27	4.463	4.478	4.519	4.461	4.477	4.519
	28	4.554	4.564	4.602	4.553	4.563	4.601
	29	4.504	4.511	4.524	4.503	4.512	4.521
	30	4.601	4.623	4.645	4.6	4.623	4.644
	31	4.476	4.497	4.534	4.475	4.498	4.532
	32	4.49	4.496	4.546	4.488	4.494	4.545
	34	4.524	4.553	4.57	4.523	4.553	4.569
	35	4.548	4.567	4.604	4.548	4.566	4.604
	36	4.508	4.519	4.55	4.507	4.519	4.55
min		4.463	4.478	4.519	4.461	4.477	4.519
max		4.601	4.623	4.645	4.600	4.623	4.644
mean		4.516	4.532	4.563	4.515	4.531	4.562
std. dev		0.042	0.044	0.041	0.042	0.044	0.042
mean - 3 sigma		4.391	4.399	4.439	4.389	4.399	4.437
mean +3 sigma		4.641	4.664	4.687	4.641	4.664	4.687

	SN	+Output Power (-Fin = 1GHz, -15dBm)			-Output Power (-Fin = 1GHz, -15dBm)		
		0K	100K	24hr	0K	100K	24hr
CTRL	5	4.465	4.519	4.527	4.464	4.517	4.527
	26	4.492	4.507	4.536	4.491	4.506	4.534
	27	4.462	4.477	4.518	4.46	4.477	4.517
	28	4.552	4.563	4.599	4.551	4.56	4.6
	29	4.503	4.511	4.522	4.501	4.511	4.521
	30	4.598	4.623	4.644	4.598	4.621	4.643
	31	4.475	4.496	4.532	4.473	4.496	4.533
	32	4.488	4.495	4.545	4.486	4.495	4.544
	34	4.524	4.552	4.568	4.522	4.551	4.568
	35	4.547	4.566	4.604	4.547	4.565	4.604
	36	4.507	4.518	4.55	4.505	4.517	4.548
min		4.462	4.477	4.518	4.460	4.477	4.517
max		4.598	4.623	4.644	4.598	4.621	4.643
mean		4.515	4.531	4.562	4.513	4.530	4.561
std. dev		0.041	0.044	0.041	0.042	0.044	0.042
mean - 3 sigma		4.391	4.398	4.438	4.388	4.399	4.436
mean +3 sigma		4.638	4.664	4.686	4.639	4.661	4.686

	SN	+Output Power (+Fin = 3GHz, 10dBm)			-Output Power (+Fin = 3GHz, 10dBm)		
		0K	100K	24hr	0K	100K	24hr
CTRL	5	4.158	4.205	4.219	4.156	4.204	4.217
	26	4.185	4.193	4.223	4.183	4.191	4.222
	27	4.153	4.161	4.205	4.153	4.159	4.204
	28	4.245	4.252	4.292	4.244	4.251	4.291
	29	4.193	4.199	4.209	4.194	4.197	4.208
	30	4.282	4.302	4.324	4.281	4.3	4.323
	31	4.169	4.186	4.222	4.167	4.185	4.223
	32	4.182	4.185	4.237	4.181	4.184	4.235
	34	4.217	4.24	4.259	4.217	4.239	4.258
	35	4.239	4.253	4.291	4.237	4.252	4.291
	36	4.2	4.205	4.239	4.198	4.204	4.238
min		4.153	4.161	4.205	4.153	4.159	4.204
max		4.282	4.302	4.324	4.281	4.300	4.323
mean		4.207	4.218	4.250	4.206	4.216	4.249
std. dev		0.039	0.043	0.040	0.039	0.043	0.040
mean - 3 sigma		4.089	4.089	4.130	4.088	4.088	4.129
mean +3 sigma		4.324	4.346	4.371	4.323	4.345	4.370

	SN	+Output Power (-Fin = 3GHz, 10dBm)			-Output Power (-Fin = 3GHz, 10dBm)		
		0K	100K	24hr	0K	100K	24hr
CTRL	5	4.176	4.223	4.235	4.175	4.222	4.234
	26	4.205	4.211	4.241	4.203	4.21	4.241
	27	4.17	4.179	4.222	4.17	4.178	4.221
	28	4.265	4.269	4.31	4.264	4.268	4.307
	29	4.211	4.213	4.224	4.211	4.213	4.222
	30	4.301	4.319	4.341	4.301	4.318	4.341
	31	4.186	4.202	4.24	4.185	4.201	4.239
	32	4.199	4.201	4.252	4.2	4.199	4.251
	34	4.237	4.257	4.274	4.235	4.257	4.275
	35	4.258	4.27	4.309	4.257	4.269	4.308
	36	4.219	4.221	4.256	4.218	4.222	4.255
min		4.170	4.179	4.222	4.170	4.178	4.221
max		4.301	4.319	4.341	4.301	4.318	4.341
mean		4.225	4.234	4.267	4.224	4.234	4.266
std. dev		0.040	0.043	0.041	0.040	0.043	0.041
mean - 3 sigma		4.105	4.106	4.145	4.104	4.105	4.144
mean +3 sigma		4.345	4.363	4.388	4.344	4.362	4.388

	SN	+Output Power (+Fin = 3GHz, -15dBm)			-Output Power (+Fin = 3GHz, -15dBm)		
		0K	100K	24hr	0K	100K	24hr
CTRL	5	4.178	4.226	4.239	4.178	4.226	4.239
	26	4.204	4.213	4.244	4.205	4.214	4.244
	27	4.172	4.181	4.224	4.173	4.181	4.225
	28	4.269	4.272	4.313	4.269	4.273	4.313
	29	4.214	4.217	4.228	4.216	4.218	4.229
	30	4.303	4.321	4.344	4.304	4.322	4.344
	31	4.187	4.206	4.242	4.189	4.207	4.243
	32	4.203	4.204	4.256	4.203	4.205	4.257
	34	4.239	4.261	4.279	4.24	4.261	4.28
	35	4.26	4.272	4.311	4.262	4.273	4.312
	36	4.222	4.226	4.26	4.222	4.227	4.26
min		4.172	4.181	4.224	4.173	4.181	4.225
max		4.303	4.321	4.344	4.304	4.322	4.344
mean		4.227	4.237	4.270	4.228	4.238	4.271
std. dev		0.040	0.043	0.040	0.040	0.043	0.040
mean - 3 sigma		4.106	4.109	4.149	4.107	4.110	4.150
mean +3 sigma		4.349	4.365	4.391	4.349	4.366	4.391

	SN	+Output Power (-Fin = 3GHz, -15dBm)			-Output Power (-Fin = 3GHz, -15dBm)		
		0K	100K	24hr	0K	100K	24hr
CTRL	5	4.18	4.228	4.241	4.18	4.227	4.241
	26	4.206	4.215	4.245	4.206	4.215	4.245
	27	4.173	4.183	4.226	4.175	4.183	4.226
	28	4.269	4.274	4.314	4.27	4.274	4.315
	29	4.216	4.22	4.23	4.217	4.218	4.23
	30	4.305	4.324	4.345	4.305	4.322	4.346
	31	4.189	4.208	4.244	4.188	4.207	4.245
	32	4.204	4.205	4.259	4.205	4.206	4.258
	34	4.241	4.263	4.281	4.241	4.262	4.282
	35	4.262	4.274	4.314	4.263	4.274	4.313
	36	4.223	4.228	4.262	4.223	4.228	4.261
min		4.173	4.183	4.226	4.175	4.183	4.226
max		4.305	4.324	4.345	4.305	4.322	4.346
mean		4.229	4.239	4.272	4.229	4.239	4.272
std. dev		0.040	0.043	0.040	0.040	0.042	0.040
mean - 3 sigma		4.108	4.111	4.151	4.108	4.111	4.151
mean +3 sigma		4.350	4.368	4.393	4.350	4.366	4.394

	SN	+Output Power (+Fin = 6GHz, 10dBm)			-Output Power (+Fin = 6GHz, 10dBm)		
		0K	100K	24hr	0K	100K	24hr
CTRL	5	3.902	3.959	3.971	3.899	3.959	3.969
	26	3.928	3.945	3.973	3.926	3.945	3.972
	27	3.9	3.917	3.958	3.897	3.916	3.955
	28	3.992	4.01	4.049	3.989	4.008	4.047
	29	3.939	3.952	3.959	3.938	3.951	3.958
	30	4.028	4.057	4.078	4.026	4.056	4.076
	31	3.913	3.943	3.975	3.911	3.941	3.974
	32	3.926	3.94	3.987	3.924	3.939	3.986
	34	3.971	4.006	4.021	3.97	4.007	4.02
	35	3.988	4.012	4.049	3.986	4.012	4.047
	36	3.944	3.959	3.992	3.835	3.958	3.991
min		3.900	3.917	3.958	3.835	3.916	3.955
max		4.028	4.057	4.078	4.026	4.056	4.076
mean		3.953	3.974	4.004	3.940	3.973	4.003
std. dev		0.040	0.044	0.042	0.055	0.044	0.042
mean - 3 sigma		3.832	3.842	3.877	3.776	3.840	3.876
mean +3 sigma		4.074	4.107	4.131	4.104	4.106	4.129

	SN	+Output Power (-Fin = 6GHz, 10dBm)			-Output Power (-Fin = 6GHz, 10dBm)		
		0K	100K	24hr	0K	100K	24hr
CTRL	5	3.969	4.022	4.033	3.956	4.021	4.032
	26	4	4.011	4.041	3.892	4.01	4.041
	27	3.969	3.982	4.021	3.945	3.981	4.021
	28	4.056	4.069	4.104	3.991	4.069	4.102
	29	4.013	4.023	4.03	3.955	4.023	4.029
	30	4.094	4.119	4.137	4.029	4.119	4.137
	31	3.985	4.013	4.044	3.869	4.012	4.044
	32	3.997	4.007	4.053	3.943	4.006	4.051
	34	4.032	4.061	4.076	3.975	4.06	4.075
	35	4.05	4.071	4.108	3.995	4.07	4.106
	36	4.013	4.026	4.057	4.17	4.025	4.057
min		3.969	3.982	4.021	3.869	3.981	4.021
max		4.094	4.119	4.137	4.170	4.119	4.137
mean		4.021	4.038	4.067	3.976	4.038	4.066
std. dev		0.038	0.041	0.038	0.083	0.041	0.038
mean - 3 sigma		3.908	3.916	3.953	3.727	3.914	3.953
mean +3 sigma		4.133	4.161	4.181	4.225	4.161	4.180

	SN	+Output Power (+Fin = 6GHz, -15dBm)			-Output Power (+Fin = 6GHz, -15dBm)		
		0K	100K	24hr	0K	100K	24hr
CTRL	5	4.11	4.015	4.026	4.112	4.016	4.027
	26	4.14	4.001	4.031	4.141	4.003	4.032
	27	4.102	3.973	4.013	4.104	3.975	4.014
	28	4.189	4.064	4.101	4.188	4.065	4.102
	29	4.149	4.011	4.018	4.151	4.012	4.019
	30	4.229	4.114	4.132	4.229	4.114	4.132
	31	4.117	4.001	4.033	4.116	4.002	4.033
	32	4.139	3.997	4.042	4.14	3.998	4.043
	34	4.174	4.06	4.073	4.175	4.06	4.073
	35	4.196	4.068	4.102	4.196	4.067	4.103
	36	4.15	4.017	4.048	4.15	4.016	4.049
min		4.102	3.973	4.013	4.104	3.975	4.014
max		4.229	4.114	4.132	4.229	4.114	4.132
mean		4.159	4.031	4.059	4.159	4.031	4.060
std. dev		0.039	0.044	0.041	0.038	0.043	0.040
mean - 3 sigma		4.043	3.900	3.938	4.045	3.902	3.939
mean +3 sigma		4.274	4.161	4.181	4.273	4.160	4.181

	SN	+Output Power (-Fin = 6GHz, -15dBm)			-Output Power (-Fin = 6GHz, -15dBm)		
		0K	100K	24hr	0K	100K	24hr
CTRL	5	4.116	4.02	4.032	4.118	4.02	4.031
	26	4.146	4.007	4.035	4.146	4.007	4.037
	27	4.109	3.979	4.017	4.109	3.979	4.019
	28	4.192	4.068	4.104	4.194	4.069	4.105
	29	4.156	4.017	4.023	4.156	4.016	4.023
	30	4.234	4.119	4.138	4.235	4.118	4.138
	31	4.121	4.008	4.038	4.122	4.007	4.039
	32	4.146	4.002	4.048	4.145	4.001	4.049
	34	4.179	4.063	4.078	4.179	4.064	4.077
	35	4.201	4.071	4.107	4.202	4.072	4.107
	36	4.155	4.021	4.054	4.155	4.021	4.054
min		4.109	3.979	4.017	4.109	3.979	4.019
max		4.234	4.119	4.138	4.235	4.118	4.138
mean		4.164	4.036	4.064	4.164	4.035	4.065
std. dev		0.038	0.043	0.041	0.038	0.043	0.040
mean - 3 sigma		4.050	3.907	3.942	4.049	3.906	3.944
mean +3 sigma		4.278	4.164	4.186	4.279	4.165	4.185

	SN	+Output Power (+Fin = 8GHz, 5dBm)			-Output Power (+Fin = 8GHz, 5dBm)		
		0K	100K	24hr	0K	100K	24hr
CTRL	5	3.922	3.822	3.804	3.921	3.821	3.804
	26	3.945	3.84	3.81	3.945	3.84	3.809
	27	3.915	3.833	3.826	3.915	3.831	3.827
	28	3.98	3.866	3.919	3.979	3.866	3.919
	29	3.947	3.846	3.808	3.946	3.844	3.808
	30	4.027	3.959	3.964	4.028	3.96	3.963
	31	3.92	3.806	3.837	3.92	3.806	3.836
	32	3.944	3.817	3.894	3.944	3.817	3.893
	34	3.982	3.899	3.877	3.982	3.897	3.877
	35	4.003	3.869	3.898	4.002	3.869	3.897
	36	3.945	3.818	3.879	3.946	3.818	3.879
min		3.915	3.806	3.808	3.915	3.806	3.808
max		4.027	3.959	3.964	4.028	3.960	3.963
mean		3.961	3.855	3.871	3.961	3.855	3.871
std. dev		0.036	0.046	0.051	0.036	0.046	0.051
mean - 3 sigma		3.853	3.717	3.719	3.852	3.716	3.719
mean +3 sigma		4.069	3.993	4.023	4.069	3.994	4.022

	SN	+Output Power (-Fin = 8GHz, 5dBm)			-Output Power (-Fin = 8GHz, 5dBm)		
		0K	100K	24hr	0K	100K	24hr
CTRL	5	3.948	3.791	3.817	3.947	3.792	3.817
	26	3.95	3.783	3.819	3.951	3.782	3.819
	27	3.926	3.781	3.795	3.925	3.78	3.795
	28	3.975	3.844	3.877	3.974	3.844	3.877
	29	3.963	3.82	3.81	3.963	3.819	3.81
	30	4.024	3.902	3.917	4.024	3.89	3.916
	31	3.914	3.815	3.818	3.914	3.815	3.818
	32	3.938	3.791	3.824	3.939	3.789	3.823
	34	3.975	3.846	3.856	3.974	3.846	3.855
	35	4.006	3.852	3.889	4.006	3.826	3.888
	36	3.938	3.792	3.831	3.937	3.791	3.83
min		3.914	3.781	3.795	3.914	3.780	3.795
max		4.024	3.902	3.917	4.024	3.890	3.916
mean		3.961	3.823	3.844	3.961	3.818	3.843
std. dev		0.035	0.039	0.039	0.035	0.035	0.039
mean - 3 sigma		3.856	3.707	3.725	3.856	3.713	3.726
mean +3 sigma		4.066	3.939	3.962	4.066	3.923	3.961

	SN	+Output Power (+Fin = 8GHz, -15dBm)			-Output Power (+Fin = 8GHz, -15dBm)		
		0K	100K	24hr	0K	100K	24hr
CTRL	5	3.916	3.8	3.81	3.917	3.8	3.811
	26	3.94	3.732	3.818	3.942	3.978	3.818
	27	3.903	3.694	3.803	3.905	3.926	3.803
	28	3.978	3.782	3.887	3.979	4.032	3.887
	29	3.956	3.731	3.81	3.956	3.983	3.81
	30	4.026	3.809	3.923	4.027	4.077	3.923
	31	3.91	3.798	3.822	3.91	3.976	3.823
	32	3.942	3.79	3.832	3.943	3.98	3.833
	34	3.979	3.854	3.865	3.98	4.022	3.866
	35	4	3.773	3.891	4	4.048	3.891
	36	3.946	3.804	3.839	3.947	3.986	3.838
min		3.903	3.694	3.803	3.905	3.926	3.803
max		4.026	3.854	3.923	4.027	4.077	3.923
mean		3.958	3.777	3.849	3.959	4.001	3.849
std. dev		0.038	0.046	0.040	0.038	0.044	0.040
mean - 3 sigma		3.843	3.638	3.728	3.844	3.870	3.728
mean +3 sigma		4.073	3.916	3.970	4.074	4.132	3.970

	SN	+Output Power (-Fin = 8GHz, -15dBm)			-Output Power (-Fin = 8GHz, -15dBm)		
		0K	100K	24hr	0K	100K	24hr
CTRL	5	3.917	3.798	3.809	3.917	3.797	3.811
	26	3.942	3.765	3.817	3.942	3.974	3.818
	27	3.904	3.72	3.8	3.904	3.943	3.801
	28	3.98	3.75	3.884	3.979	4.032	3.884
	29	3.957	3.8	3.809	3.958	3.99	3.808
	30	4.026	4.075	3.919	4.027	4.076	3.919
	31	3.91	3.712	3.821	3.91	3.974	3.82
	32	3.942	3.722	3.828	3.941	3.978	3.827
	34	3.978	3.807	3.864	3.978	4.031	3.864
	35	3.999	4.045	3.889	4	4.045	3.89
	36	3.945	3.719	3.835	3.945	3.983	3.835
min		3.904	3.712	3.800	3.904	3.943	3.801
max		4.026	4.075	3.919	4.027	4.076	3.919
mean		3.958	3.812	3.847	3.958	4.003	3.847
std. dev		0.038	0.135	0.040	0.038	0.041	0.040
mean - 3 sigma		3.844	3.405	3.727	3.843	3.879	3.726
mean +3 sigma		4.073	4.218	3.966	4.074	4.126	3.967

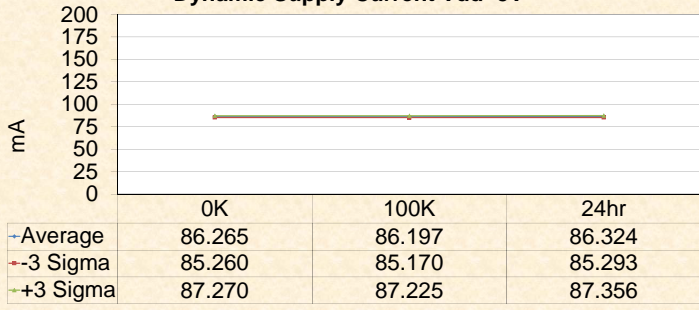
	SN	+Output Power (+Fin = 12GHz, 0dBm)			-Output Power (+Fin = 12GHz, 0dBm)		
		0K	100K	24hr	0K	100K	24hr
CTRL	5	3.588	3.377	3.388	3.589	3.535	3.388
	26	3.608	3.631	3.4	3.608	3.631	3.4
	27	3.569	3.604	3.386	3.569	3.605	3.384
	28	3.647	3.689	3.462	3.647	3.689	3.461
	29	3.628	3.657	3.394	3.629	3.657	3.393
	30	3.696	3.736	3.507	3.695	3.737	3.507
	31	3.571	3.633	3.403	3.571	3.634	3.403
	32	3.61	3.642	3.409	3.61	3.642	3.409
	34	3.652	3.697	3.455	3.651	3.696	3.455
	35	3.671	3.712	3.477	3.672	3.712	3.476
	36	3.605	3.638	3.415	3.604	3.637	3.415
min		3.569	3.604	3.386	3.569	3.605	3.384
max		3.696	3.736	3.507	3.695	3.737	3.507
mean		3.626	3.664	3.431	3.626	3.664	3.430
std. dev		0.041	0.042	0.041	0.041	0.042	0.041
mean - 3 sigma		3.502	3.537	3.307	3.502	3.537	3.306
mean +3 sigma		3.750	3.791	3.555	3.749	3.791	3.554

	SN	+Output Power (-Fin = 12GHz, 0dBm)			-Output Power (-Fin = 12GHz, 0dBm)		
		0K	100K	24hr	0K	100K	24hr
CTRL	5	3.589	3.356	3.388	3.59	3.656	3.387
	26	3.61	3.633	3.398	3.61	3.633	3.398
	27	3.572	3.605	3.383	3.571	3.606	3.383
	28	3.649	3.692	3.462	3.65	3.692	3.461
	29	3.631	3.657	3.39	3.631	3.658	3.392
	30	3.699	3.737	3.506	3.698	3.738	3.506
	31	3.573	3.634	3.402	3.573	3.634	3.401
	32	3.613	3.642	3.407	3.612	3.643	3.408
	34	3.656	3.699	3.457	3.655	3.701	3.456
	35	3.675	3.715	3.477	3.675	3.714	3.476
	36	3.607	3.64	3.414	3.607	3.64	3.413
min		3.572	3.605	3.383	3.571	3.606	3.383
max		3.699	3.737	3.506	3.698	3.738	3.506
mean		3.629	3.665	3.430	3.628	3.666	3.429
std. dev		0.042	0.043	0.042	0.042	0.043	0.042
mean - 3 sigma		3.503	3.537	3.303	3.503	3.538	3.304
mean +3 sigma		3.754	3.793	3.557	3.753	3.794	3.555

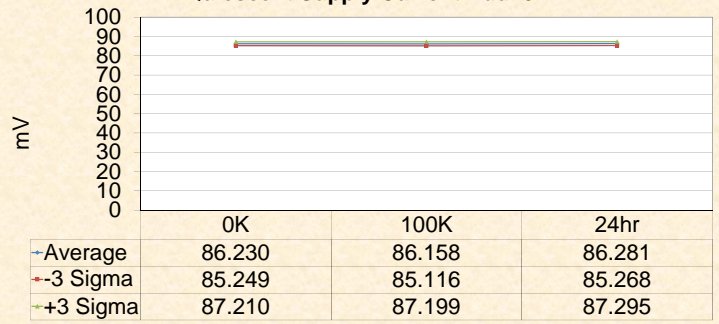
	SN	+Output Power (+Fin = 12GHz, -15dBm)			-Output Power (+Fin = 12GHz, -15dBm)		
		0K	100K	24hr	0K	100K	24hr
CTRL	5	3.592	3.656	3.392	3.592	3.657	3.391
	26	3.611	3.635	3.403	3.612	3.635	3.403
	27	3.574	3.608	3.386	3.574	3.608	3.387
	28	3.65	3.693	3.464	3.651	3.692	3.464
	29	3.631	3.659	3.396	3.631	3.661	3.397
	30	3.699	3.74	3.51	3.7	3.741	3.509
	31	3.575	3.636	3.406	3.575	3.637	3.405
	32	3.614	3.645	3.411	3.615	3.645	3.411
	34	3.657	3.702	3.459	3.657	3.7	3.459
	35	3.677	3.717	3.478	3.676	3.715	3.478
	36	3.608	3.641	3.416	3.609	3.64	3.417
min		3.574	3.608	3.386	3.574	3.608	3.387
max		3.699	3.740	3.510	3.700	3.741	3.509
mean		3.630	3.668	3.433	3.630	3.667	3.433
std. dev		0.041	0.043	0.042	0.041	0.042	0.041
mean - 3 sigma		3.506	3.539	3.308	3.506	3.540	3.309
mean +3 sigma		3.754	3.796	3.558	3.754	3.794	3.557

	SN	+Output Power (-Fin = 12GHz, -15dBm)			-Output Power (-Fin = 12GHz, -15dBm)		
		0K	100K	24hr	0K	100K	24hr
CTRL	5	3.593	3.658	3.39	3.592	3.657	3.39
	26	3.612	3.635	3.403	3.612	3.635	3.401
	27	3.574	3.608	3.386	3.573	3.608	3.387
	28	3.651	3.693	3.464	3.651	3.692	3.464
	29	3.632	3.66	3.396	3.633	3.661	3.396
	30	3.699	3.74	3.508	3.699	3.741	3.509
	31	3.574	3.636	3.404	3.575	3.637	3.406
	32	3.615	3.646	3.41	3.615	3.645	3.411
	34	3.658	3.701	3.458	3.657	3.701	3.458
	35	3.676	3.716	3.479	3.678	3.716	3.478
	36	3.608	3.641	3.416	3.609	3.641	3.417
min		3.574	3.608	3.386	3.573	3.608	3.387
max		3.699	3.740	3.508	3.699	3.741	3.509
mean		3.630	3.668	3.432	3.630	3.668	3.433
std. dev		0.041	0.042	0.041	0.042	0.042	0.041
mean - 3 sigma		3.506	3.540	3.308	3.506	3.540	3.309
mean +3 sigma		3.754	3.795	3.557	3.755	3.795	3.557

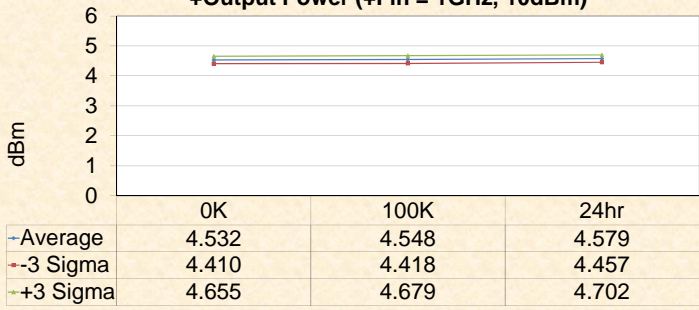
Dynamic Supply Current Vdd=5V



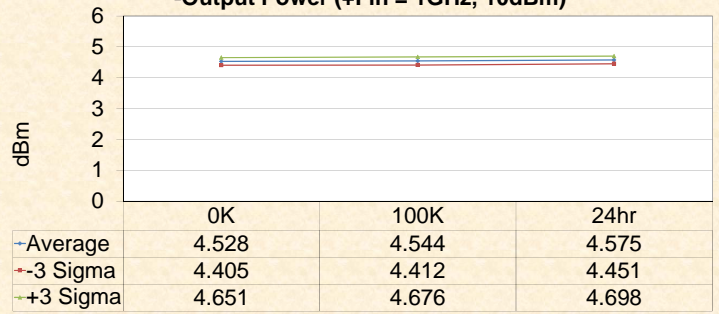
Quiescent Supply Current Vdd=5V



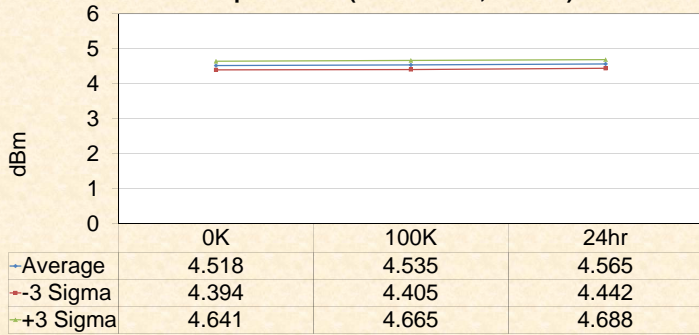
+Output Power (+Fin = 1GHz, 10dBm)



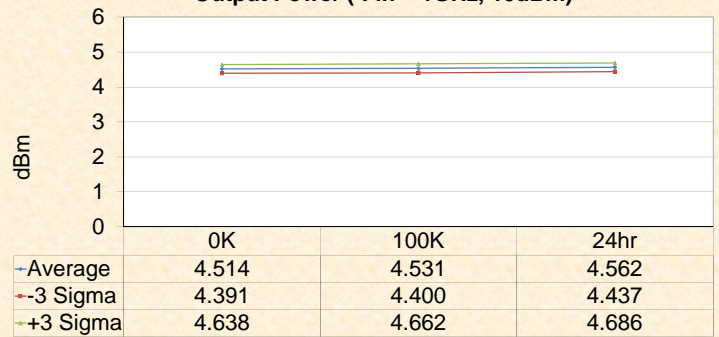
-Output Power (+Fin = 1GHz, 10dBm)



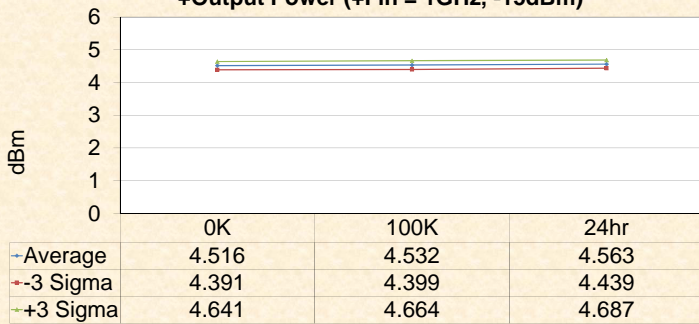
+Output Power (-Fin = 1GHz, 10dBm)



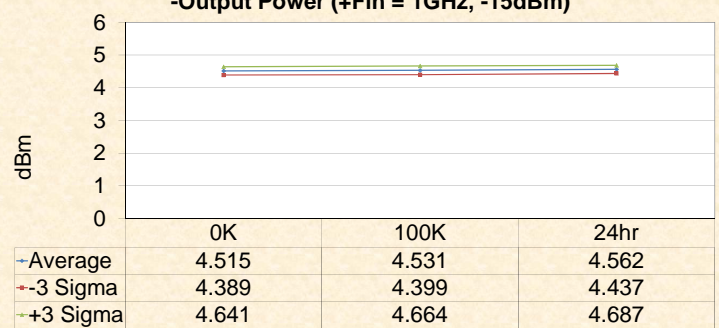
-Output Power (-Fin = 1GHz, 10dBm)

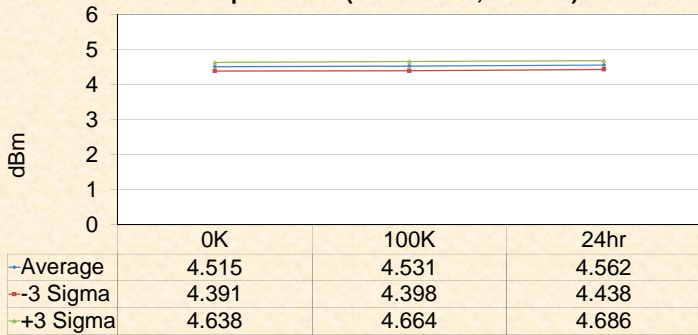
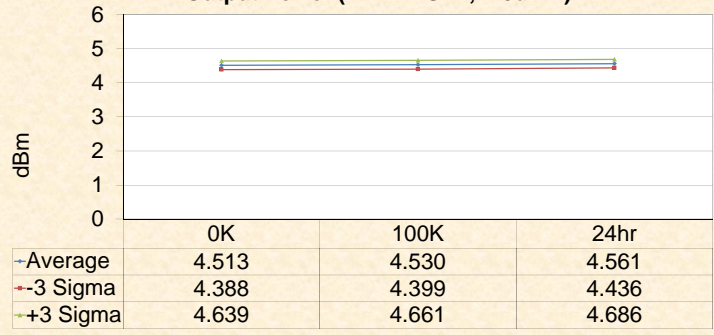
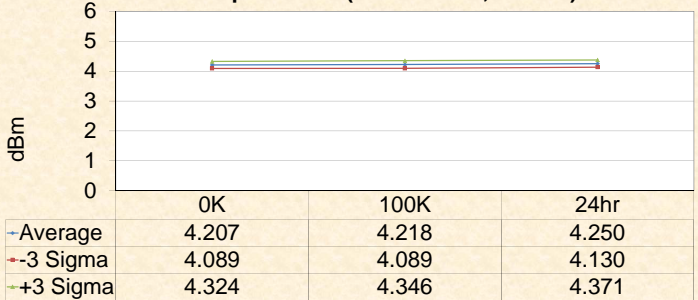
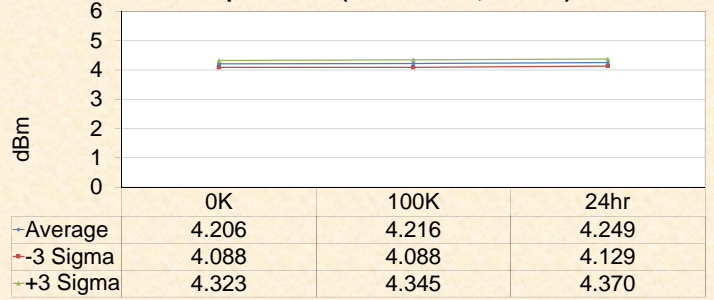
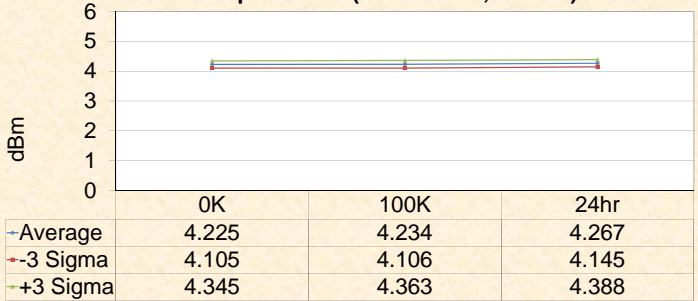
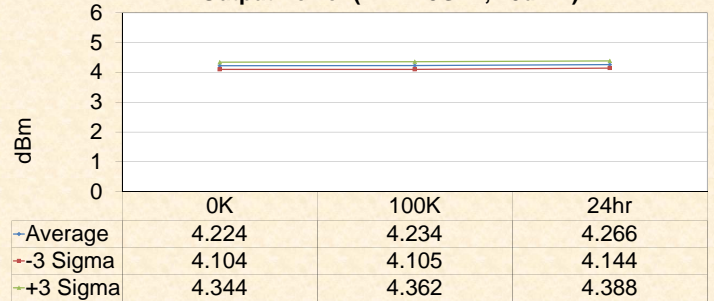
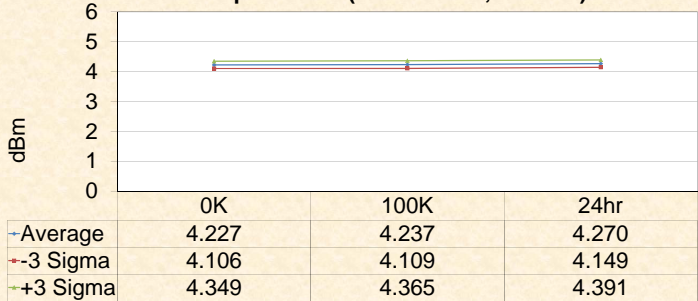
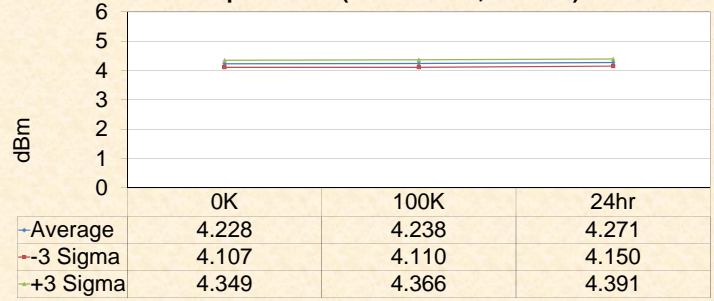


+Output Power (+Fin = 1GHz, -15dBm)

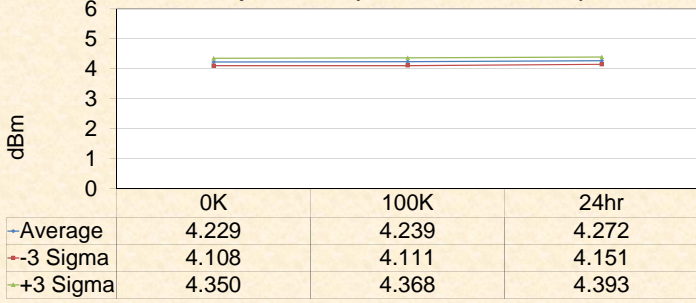


-Output Power (+Fin = 1GHz, -15dBm)

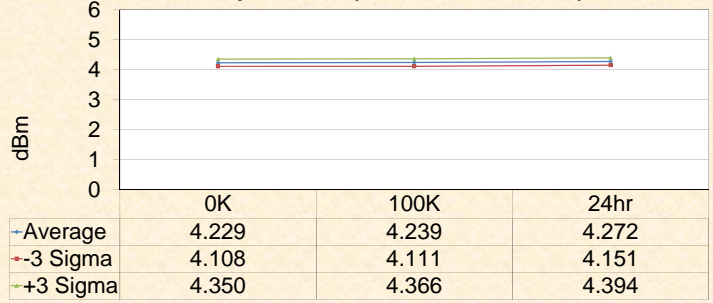


+Output Power (-Fin = 1GHz, -15dBm)**-Output Power (-Fin = 1GHz, -15dBm)****+Output Power (+Fin = 3GHz, 10dBm)****-Output Power (+Fin = 3GHz, 10dBm)****+Output Power (-Fin = 3GHz, 10dBm)****-Output Power (-Fin = 3GHz, 10dBm)****+Output Power (+Fin = 3GHz, -15dBm)****-Output Power (+Fin = 3GHz, -15dBm)**

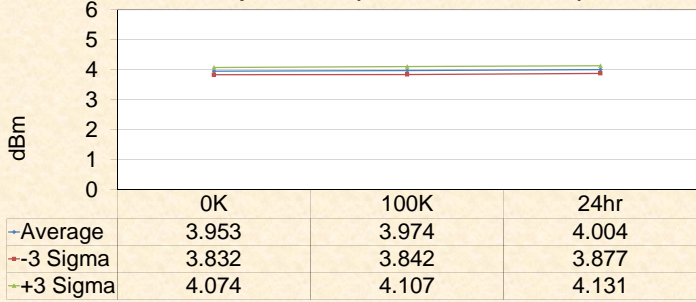
+Output Power (-Fin = 3GHz, -15dBm)



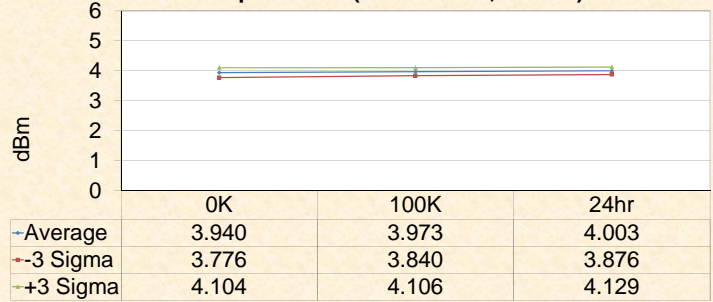
-Output Power (-Fin = 3GHz, -15dBm)



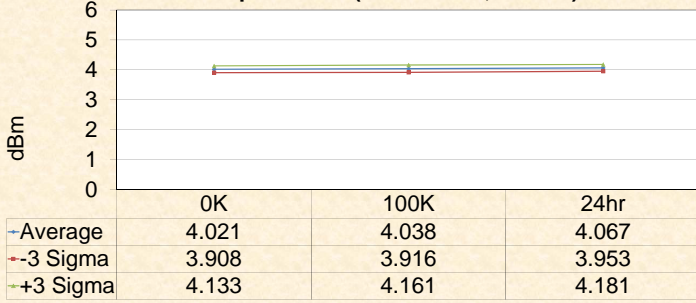
+Output Power (+Fin = 6GHz, 10dBm)



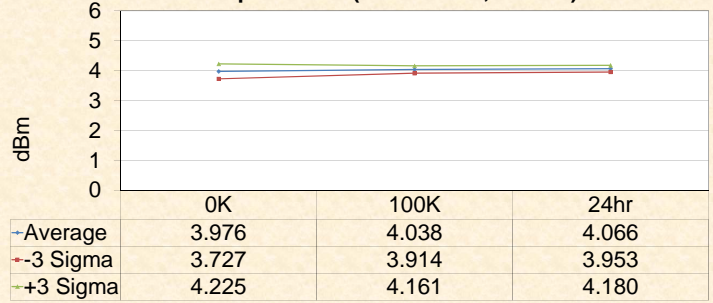
-Output Power (+Fin = 6GHz, 10dBm)



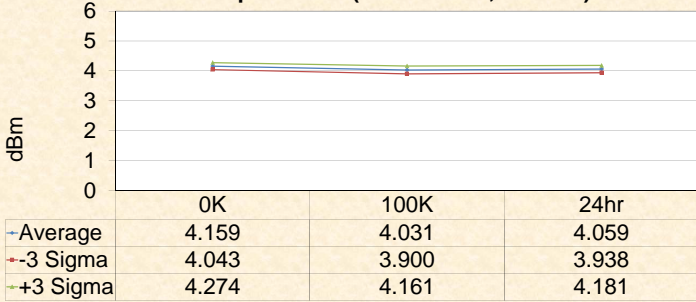
+Output Power (-Fin = 6GHz, 10dBm)



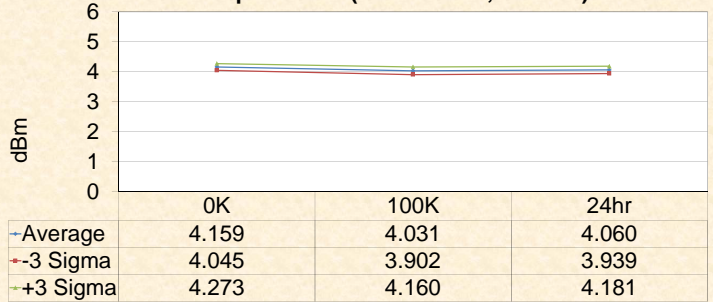
-Output Power (-Fin = 6GHz, 10dBm)

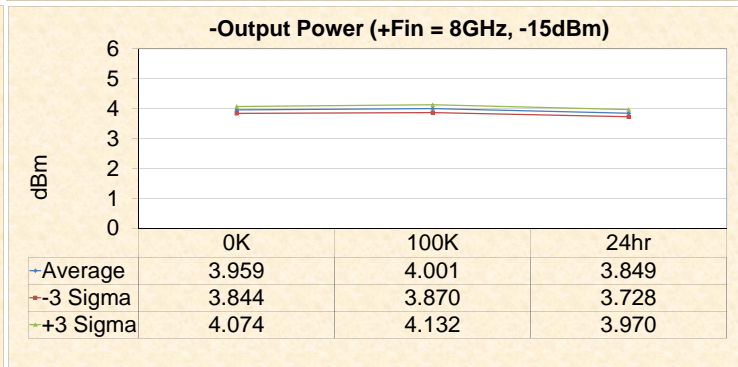
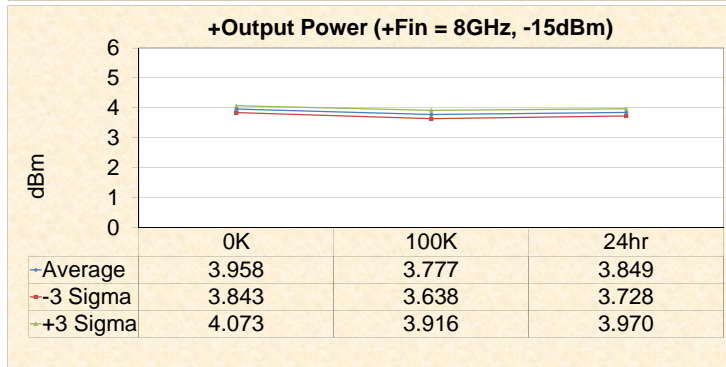
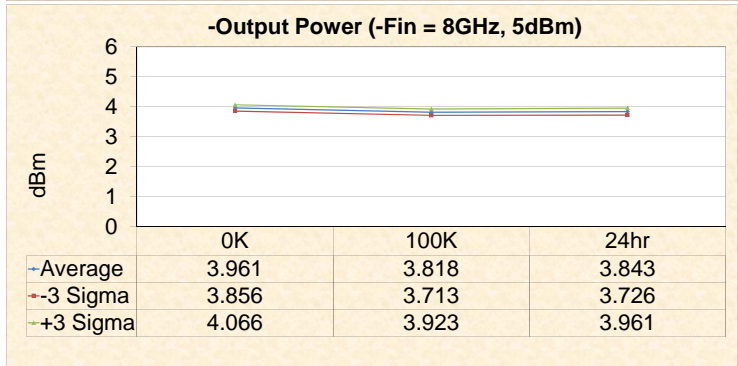
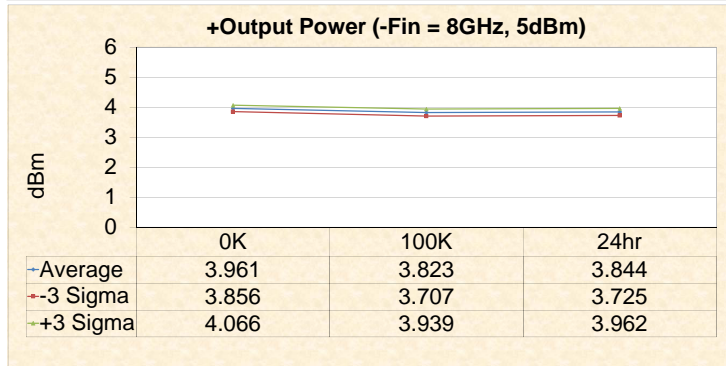
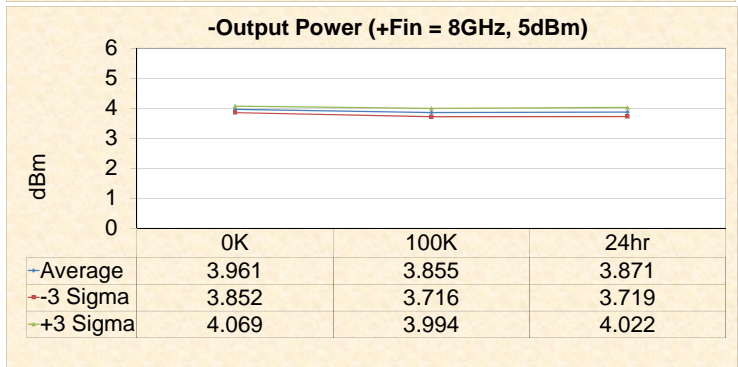
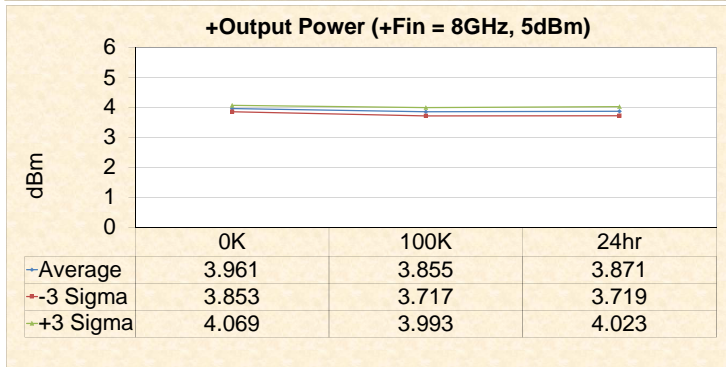
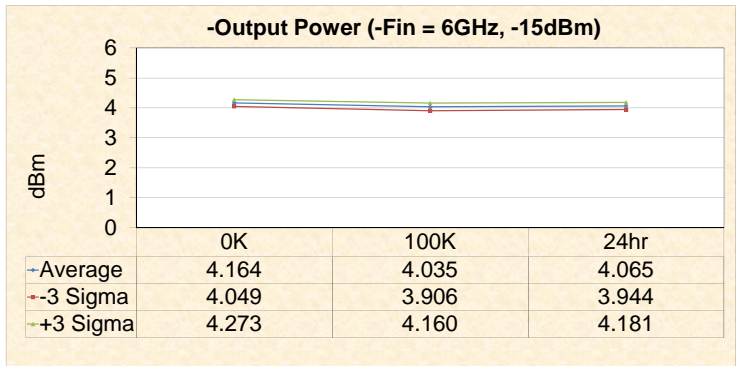
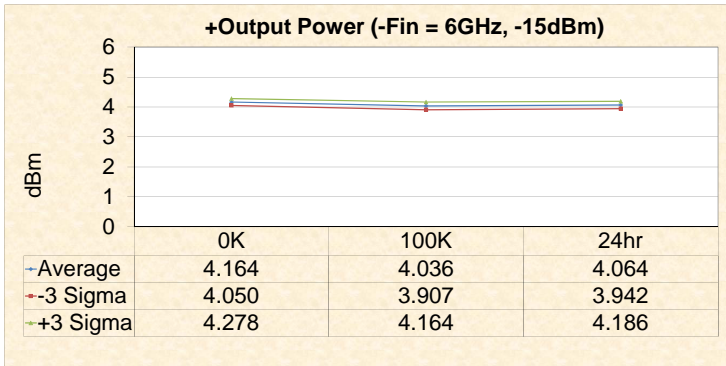


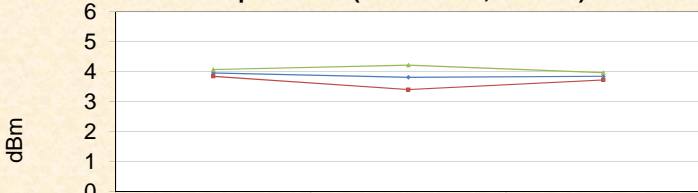
+Output Power (+Fin = 6GHz, -15dBm)



-Output Power (+Fin = 6GHz, -15dBm)



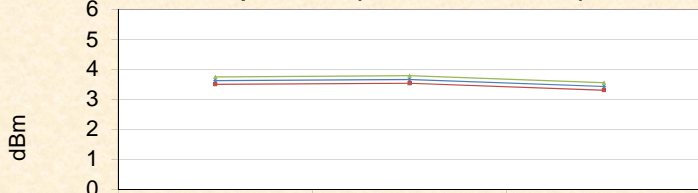


+Output Power (-Fin = 8GHz, -15dBm)

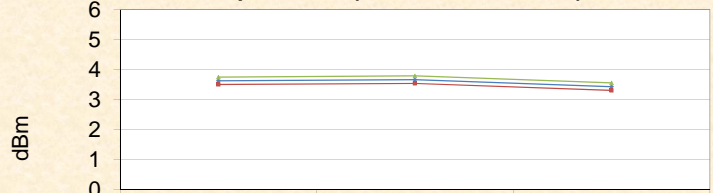
	0K	100K	24hr
-Average	3.958	3.812	3.847
-3 Sigma	3.844	3.405	3.727
+3 Sigma	4.073	4.218	3.966

-Output Power (-Fin = 8GHz, -15dBm)

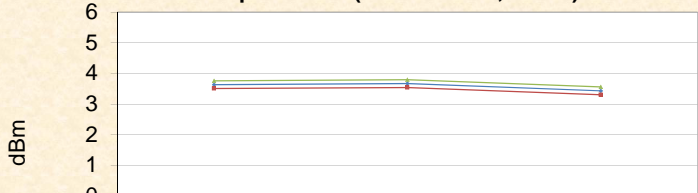
	0K	100K	24hr
-Average	3.958	4.003	3.847
-3 Sigma	3.843	3.879	3.726
+3 Sigma	4.074	4.126	3.967

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

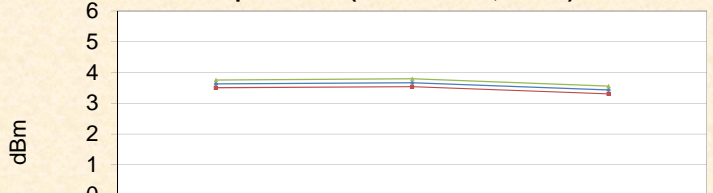
	0K	100K	24hr
-Average	3.626	3.664	3.431
-3 Sigma	3.502	3.537	3.307
+3 Sigma	3.750	3.791	3.555

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

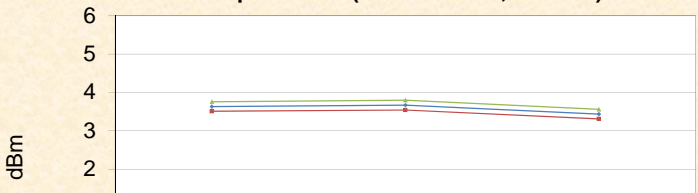
	0K	100K	24hr
-Average	3.626	3.664	3.430
-3 Sigma	3.503	3.538	3.304
+3 Sigma	3.749	3.791	3.554

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

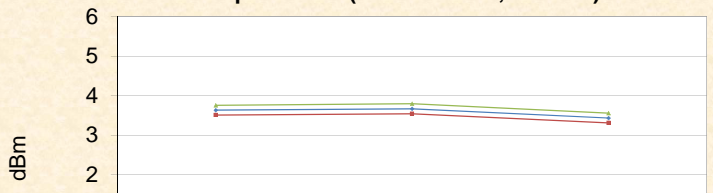
	0K	100K	24hr
-Average	3.629	3.665	3.430
-3 Sigma	3.503	3.537	3.303
+3 Sigma	3.754	3.793	3.557

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

	0K	100K	24hr
-Average	3.628	3.666	3.429
-3 Sigma	3.503	3.538	3.304
+3 Sigma	3.753	3.794	3.555

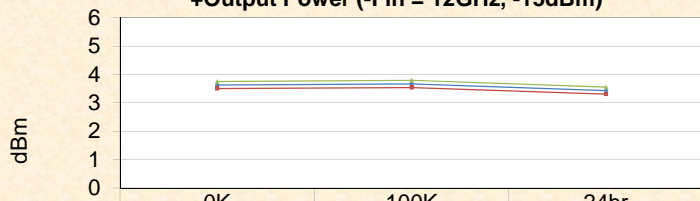
+Output Power (+Fin = 12GHz, -15dBm)

	0K	100K	24hr
-Average	3.630	3.668	3.433
-3 Sigma	3.506	3.539	3.308
+3 Sigma	3.754	3.796	3.558

-Output Power (+Fin = 12GHz, -15dBm)

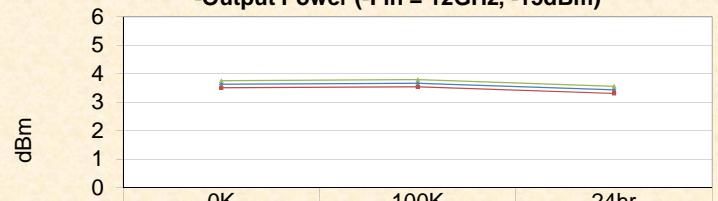
	0K	100K	24hr
-Average	3.630	3.667	3.433
-3 Sigma	3.506	3.540	3.309
+3 Sigma	3.754	3.794	3.557

+Output Power (-Fin = 12GHz, -15dBm)



	0K	100K	24hr
Average	3.630	3.668	3.432
-3 Sigma	3.506	3.540	3.308
+3 Sigma	3.754	3.795	3.557

-Output Power (-Fin = 12GHz, -15dBm)



	0K	100K	24hr
Average	3.630	3.668	3.433
-3 Sigma	3.506	3.540	3.309
+3 Sigma	3.755	3.795	3.557

	SN	Dynamic Supply Current Vdd = 5V			Quiescent Supply Current Vdd = 5V		
		0K	50k	24hr	0K	50k	24hr
CTRL	5	85.943	86.021	86.074	85.903	85.987	86.016
	19	86.553	86.485	86.747	86.501	86.461	86.715
	20	86.283	86.229	86.5	86.219	86.195	86.477
	22	85.953	85.908	86.241	85.91	85.878	86.174
	23	85.757	85.715	86.002	85.737	85.638	85.95
	24	86.111	86.042	86.14	86.092	85.987	86.088
	25	85.646	85.598	85.738	85.604	85.532	85.696
min		85.646	85.598	85.738	85.604	85.532	85.696
max		86.553	86.485	86.747	86.501	86.461	86.715
mean		86.051	85.996	86.228	86.011	85.949	86.183
std. dev		0.337	0.329	0.358	0.329	0.346	0.366
mean - 3 sigma		85.038	85.010	85.153	85.024	84.909	85.085
mean +3 sigma		87.063	86.983	87.303	86.997	86.988	87.282

	SN	+Output Power (+Fin = 1GHz, 10dBm)			-Output Power (+Fin = 1GHz, 10dBm)		
		0K	50k	24hr	0K	50k	24hr
CTRL	5	4.481	4.535	4.546	4.477	4.531	4.541
	19	4.579	4.602	4.644	4.575	4.598	4.639
	20	4.526	4.543	4.594	4.522	4.539	4.59
	22	4.487	4.506	4.555	4.483	4.502	4.548
	23	4.469	4.496	4.531	4.465	4.491	4.526
	24	4.507	4.522	4.55	4.504	4.517	4.547
	25	4.436	4.449	4.469	4.43	4.443	4.464
min		4.436	4.449	4.469	4.430	4.443	4.464
max		4.579	4.602	4.644	4.575	4.598	4.639
mean		4.501	4.520	4.557	4.497	4.515	4.552
std. dev		0.049	0.051	0.059	0.050	0.052	0.059
mean - 3 sigma		4.353	4.366	4.380	4.347	4.360	4.375
mean +3 sigma		4.649	4.673	4.734	4.646	4.670	4.730

	SN	+Output Power (-Fin = 1GHz, 10dBm)			-Output Power (-Fin = 1GHz, 10dBm)		
		0K	50k	24hr	0K	50k	24hr
CTRL	5	4.467	4.521	4.53	4.464	4.518	4.528
	19	4.564	4.588	4.631	4.561	4.586	4.626
	20	4.513	4.531	4.579	4.509	4.528	4.576
	22	4.473	4.492	4.541	4.469	4.49	4.538
	23	4.455	4.482	4.516	4.452	4.478	4.512
	24	4.493	4.509	4.537	4.49	4.505	4.534
	25	4.42	4.435	4.456	4.416	4.431	4.452
min		4.420	4.435	4.456	4.416	4.431	4.452
max		4.564	4.588	4.631	4.561	4.586	4.626
mean		4.486	4.506	4.543	4.483	4.503	4.540
std. dev		0.050	0.051	0.059	0.050	0.052	0.059
mean - 3 sigma		4.337	4.352	4.366	4.333	4.347	4.363
mean +3 sigma		4.635	4.660	4.720	4.633	4.659	4.716

	SN	+Output Power (+Fin = 1GHz, -15dBm)			-Output Power (+Fin = 1GHz, -15dBm)		
		0K	50k	24hr	0K	50k	24hr
CTRL	5	4.465	4.52	4.529	4.466	4.518	4.528
	19	4.566	4.589	4.63	4.565	4.587	4.629
	20	4.511	4.527	4.579	4.509	4.527	4.577
	22	4.47	4.489	4.537	4.469	4.489	4.537
	23	4.453	4.48	4.514	4.451	4.478	4.514
	24	4.493	4.508	4.536	4.491	4.507	4.536
	25	4.418	4.43	4.451	4.417	4.43	4.45
min		4.418	4.430	4.451	4.417	4.430	4.450
max		4.566	4.589	4.630	4.565	4.587	4.629
mean		4.485	4.504	4.541	4.484	4.503	4.541
std. dev		0.051	0.053	0.060	0.051	0.053	0.060
mean - 3 sigma		4.332	4.345	4.360	4.330	4.345	4.360
mean +3 sigma		4.638	4.663	4.722	4.637	4.661	4.721

	SN	+Output Power (-Fin = 1GHz, -15dBm)			-Output Power (-Fin = 1GHz, -15dBm)		
		0K	50k	24hr	0K	50k	24hr
CTRL	5	4.465	4.519	4.527	4.464	4.517	4.527
	19	4.565	4.588	4.628	4.563	4.587	4.629
	20	4.509	4.529	4.578	4.509	4.527	4.577
	22	4.469	4.488	4.536	4.468	4.486	4.535
	23	4.452	4.479	4.514	4.45	4.478	4.512
	24	4.492	4.507	4.535	4.49	4.505	4.535
	25	4.416	4.429	4.45	4.416	4.429	4.449
min		4.416	4.429	4.450	4.416	4.429	4.449
max		4.565	4.588	4.628	4.563	4.587	4.629
mean		4.484	4.503	4.540	4.483	4.502	4.540
std. dev		0.051	0.053	0.060	0.051	0.053	0.061
mean - 3 sigma		4.330	4.343	4.360	4.330	4.343	4.357
mean +3 sigma		4.638	4.663	4.720	4.635	4.661	4.722

	SN	+Output Power (+Fin = 3GHz, 10dBm)			-Output Power (+Fin = 3GHz, 10dBm)		
		0K	50k	24hr	0K	50k	24hr
CTRL	5	4.158	4.205	4.219	4.156	4.204	4.217
	19	4.257	4.274	4.317	4.256	4.273	4.316
	20	4.203	4.216	4.266	4.203	4.215	4.266
	22	4.158	4.173	4.223	4.158	4.172	4.221
	23	4.142	4.161	4.198	4.139	4.16	4.196
	24	4.181	4.192	4.222	4.181	4.191	4.221
	25	4.109	4.117	4.141	4.109	4.116	4.139
min		4.109	4.117	4.141	4.109	4.116	4.139
max		4.257	4.274	4.317	4.256	4.273	4.316
mean		4.175	4.189	4.228	4.174	4.188	4.227
std. dev		0.052	0.053	0.060	0.052	0.053	0.060
mean - 3 sigma		4.020	4.029	4.048	4.019	4.028	4.045
mean +3 sigma		4.330	4.349	4.407	4.329	4.348	4.408

	SN	+Output Power (-Fin = 3GHz, 10dBm)			-Output Power (-Fin = 3GHz, 10dBm)		
		0K	50k	24hr	0K	50k	24hr
CTRL	5	4.176	4.223	4.235	4.175	4.222	4.234
	19	4.275	4.291	4.334	4.274	4.29	4.332
	20	4.223	4.234	4.287	4.223	4.234	4.286
	22	4.178	4.19	4.239	4.178	4.189	4.239
	23	4.158	4.178	4.214	4.158	4.178	4.214
	24	4.2	4.208	4.239	4.199	4.208	4.238
	25	4.128	4.133	4.157	4.128	4.133	4.156
min		4.128	4.133	4.157	4.128	4.133	4.156
max		4.275	4.291	4.334	4.274	4.290	4.332
mean		4.194	4.206	4.245	4.193	4.205	4.244
std. dev		0.052	0.054	0.061	0.051	0.053	0.060
mean - 3 sigma		4.039	4.045	4.063	4.039	4.045	4.063
mean +3 sigma		4.349	4.367	4.427	4.347	4.365	4.425

	SN	+Output Power (+Fin = 3GHz, -15dBm)			-Output Power (+Fin = 3GHz, -15dBm)		
		0K	50k	24hr	0K	50k	24hr
CTRL	5	4.178	4.226	4.239	4.178	4.226	4.239
	19	4.279	4.297	4.34	4.279	4.297	4.339
	20	4.226	4.237	4.289	4.225	4.237	4.289
	22	4.179	4.192	4.243	4.18	4.192	4.244
	23	4.163	4.182	4.219	4.162	4.183	4.22
	24	4.203	4.213	4.243	4.204	4.213	4.243
	25	4.13	4.137	4.16	4.131	4.137	4.161
min		4.130	4.137	4.160	4.131	4.137	4.161
max		4.279	4.297	4.340	4.279	4.297	4.339
mean		4.197	4.210	4.249	4.197	4.210	4.249
std. dev		0.052	0.054	0.061	0.052	0.054	0.061
mean - 3 sigma		4.040	4.047	4.065	4.041	4.047	4.068
mean +3 sigma		4.353	4.373	4.433	4.352	4.372	4.431

	SN	+Output Power (-Fin = 3GHz, -15dBm)			-Output Power (-Fin = 3GHz, -15dBm)		
		0K	50k	24hr	0K	50k	24hr
CTRL	5	4.18	4.228	4.241	4.18	4.227	4.241
	19	4.28	4.297	4.34	4.281	4.297	4.341
	20	4.228	4.239	4.291	4.228	4.238	4.291
	22	4.182	4.194	4.245	4.182	4.194	4.245
	23	4.164	4.183	4.221	4.164	4.184	4.221
	24	4.205	4.215	4.244	4.205	4.214	4.244
	25	4.132	4.137	4.162	4.132	4.137	4.163
min		4.132	4.137	4.162	4.132	4.137	4.163
max		4.280	4.297	4.340	4.281	4.297	4.341
mean		4.199	4.211	4.251	4.199	4.211	4.251
std. dev		0.052	0.054	0.061	0.052	0.054	0.061
mean - 3 sigma		4.043	4.048	4.068	4.042	4.048	4.069
mean +3 sigma		4.354	4.374	4.433	4.355	4.373	4.433

	SN	+Output Power (+Fin = 6GHz, 10dBm)			-Output Power (+Fin = 6GHz, 10dBm)		
		0K	50k	24hr	0K	50k	24hr
CTRL	5	3.902	3.959	3.971	3.899	3.959	3.969
	19	4.005	4.032	4.075	4.004	4.032	4.073
	20	3.955	3.979	4.027	3.953	3.979	4.026
	22	3.905	3.926	3.976	3.904	3.926	3.976
	23	3.882	3.911	3.946	3.797	3.91	3.945
	24	3.925	3.946	3.973	3.91	3.944	3.972
	25	3.854	3.87	3.894	3.733	3.869	3.892
min		3.854	3.870	3.894	3.733	3.869	3.892
max		4.005	4.032	4.075	4.004	4.032	4.073
mean		3.921	3.944	3.982	3.884	3.943	3.981
std. dev		0.054	0.056	0.063	0.101	0.057	0.063
mean - 3 sigma		3.759	3.775	3.793	3.582	3.773	3.792
mean +3 sigma		4.083	4.113	4.171	4.185	4.113	4.170

	SN	+Output Power (-Fin = 6GHz, 10dBm)			-Output Power (-Fin = 6GHz, 10dBm)		
		0K	50k	24hr	0K	50k	24hr
CTRL	5	3.969	4.022	4.033	3.956	4.021	4.032
	19	4.067	4.091	4.132	3.946	4.091	4.13
	20	4.019	4.039	4.083	3.899	4.038	4.083
	22	3.97	3.991	4.038	3.861	3.989	4.039
	23	3.953	3.976	4.015	4.108	3.976	4.013
	24	3.996	4.015	4.039	4.08	4.015	4.038
	25	3.922	3.934	3.959	4.08	3.934	3.959
min		3.922	3.934	3.959	3.861	3.934	3.959
max		4.067	4.091	4.132	4.108	4.091	4.130
mean		3.988	4.008	4.044	3.996	4.007	4.044
std. dev		0.051	0.054	0.059	0.107	0.054	0.059
mean - 3 sigma		3.834	3.845	3.867	3.676	3.845	3.868
mean +3 sigma		4.142	4.170	4.221	4.315	4.170	4.219

	SN	+Output Power (+Fin = 6GHz, -15dBm)			-Output Power (+Fin = 6GHz, -15dBm)		
		0K	50k	24hr	0K	50k	24hr
CTRL	5	4.11	4.015	4.026	4.112	4.016	4.027
	19	4.207	4.089	4.129	4.208	4.089	4.131
	20	4.159	4.033	4.079	4.159	4.033	4.079
	22	4.11	3.984	4.032	4.111	3.983	4.032
	23	4.089	3.967	4.004	4.089	3.968	4.005
	24	4.138	4.004	4.03	4.14	4.005	4.031
	25	4.058	3.924	3.949	4.058	3.926	3.949
min		4.058	3.924	3.949	4.058	3.926	3.949
max		4.207	4.089	4.129	4.208	4.089	4.131
mean		4.127	4.000	4.037	4.128	4.001	4.038
std. dev		0.053	0.057	0.062	0.053	0.056	0.062
mean - 3 sigma		3.968	3.830	3.852	3.968	3.832	3.851
mean +3 sigma		4.286	4.171	4.223	4.287	4.169	4.225

	SN	+Output Power (-Fin = 6GHz, -15dBm)			-Output Power (-Fin = 6GHz, -15dBm)		
		0K	50k	24hr	0K	50k	24hr
CTRL	5	4.116	4.02	4.032	4.118	4.02	4.031
	19	4.213	4.094	4.134	4.213	4.093	4.134
	20	4.163	4.038	4.083	4.163	4.037	4.084
	22	4.115	3.987	4.035	4.115	3.988	4.036
	23	4.094	3.973	4.009	4.095	3.972	4.01
	24	4.144	4.01	4.036	4.144	4.01	4.035
	25	4.063	3.931	3.954	4.062	3.931	3.954
min		4.063	3.931	3.954	4.062	3.931	3.954
max		4.213	4.094	4.134	4.213	4.093	4.134
mean		4.132	4.006	4.042	4.132	4.005	4.042
std. dev		0.053	0.056	0.062	0.053	0.056	0.062
mean - 3 sigma		3.972	3.837	3.857	3.972	3.837	3.857
mean +3 sigma		4.292	4.174	4.227	4.292	4.173	4.227

	SN	+Output Power (+Fin = 8GHz, 5dBm)			-Output Power (+Fin = 8GHz, 5dBm)		
		0K	50k	24hr	0K	50k	24hr
CTRL	5	3.922	3.822	3.804	3.921	3.821	3.804
	19	4.004	3.902	3.96	4.004	3.903	3.96
	20	3.979	3.849	3.895	3.979	3.847	3.895
	22	3.913	3.794	3.839	3.912	3.792	3.839
	23	3.894	3.775	3.794	3.894	3.774	3.793
	24	3.941	3.792	3.865	3.941	3.79	3.864
	25	3.853	3.737	3.733	3.853	3.737	3.733
min		3.853	3.737	3.733	3.853	3.737	3.733
max		4.004	3.902	3.960	4.004	3.903	3.960
mean		3.931	3.808	3.848	3.931	3.807	3.847
std. dev		0.056	0.058	0.079	0.056	0.059	0.079
mean - 3 sigma		3.764	3.633	3.610	3.763	3.631	3.610
mean +3 sigma		4.098	3.984	4.085	4.098	3.984	4.085

	SN	+Output Power (-Fin = 8GHz, 5dBm)			-Output Power (-Fin = 8GHz, 5dBm)		
		0K	50k	24hr	0K	50k	24hr
CTRL	5	3.948	3.791	3.817	3.947	3.792	3.817
	19	4.006	3.869	3.913	4.005	3.869	3.913
	20	3.965	3.837	3.86	3.966	3.837	3.859
	22	3.902	3.763	3.813	3.903	3.765	3.814
	23	3.88	3.739	3.779	3.88	3.74	3.778
	24	3.936	3.81	3.822	3.934	3.81	3.821
	25	3.844	3.705	3.741	3.845	3.663	3.74
min		3.844	3.705	3.741	3.845	3.663	3.740
max		4.006	3.869	3.913	4.005	3.869	3.913
mean		3.922	3.787	3.821	3.922	3.781	3.821
std. dev		0.059	0.062	0.060	0.058	0.074	0.061
mean - 3 sigma		3.745	3.601	3.640	3.747	3.558	3.639
mean +3 sigma		4.099	3.974	4.002	4.097	4.003	4.003

	SN	+Output Power (+Fin = 8GHz, -15dBm)			-Output Power (+Fin = 8GHz, -15dBm)		
		0K	50k	24hr	0K	50k	24hr
CTRL	5	3.916	3.8	3.81	3.917	3.8	3.811
	19	4.006	3.878	3.919	4.005	3.78	3.919
	20	3.963	3.829	3.869	3.963	3.794	3.869
	22	3.91	3.774	3.821	3.91	3.682	3.822
	23	3.891	3.753	3.791	3.891	3.94	3.791
	24	3.935	3.797	3.819	3.936	3.984	3.819
	25	3.851	3.628	3.737	3.851	3.897	3.737
min		3.851	3.628	3.737	3.851	3.682	3.737
max		4.006	3.878	3.919	4.005	3.984	3.919
mean		3.926	3.777	3.826	3.926	3.846	3.826
std. dev		0.055	0.085	0.063	0.054	0.114	0.063
mean - 3 sigma		3.762	3.522	3.638	3.763	3.506	3.638
mean +3 sigma		4.090	4.031	4.014	4.089	4.187	4.015

	SN	+Output Power (-Fin = 8GHz, -15dBm)			-Output Power (-Fin = 8GHz, -15dBm)		
		0K	50k	24hr	0K	50k	24hr
CTRL	5	3.917	3.798	3.809	3.917	3.797	3.811
	19	4.005	3.878	3.917	4.005	4.057	3.917
	20	3.961	3.826	3.867	3.962	3.738	3.867
	22	3.909	3.773	3.821	3.909	3.958	3.82
	23	3.889	3.683	3.789	3.889	3.939	3.791
	24	3.935	3.722	3.817	3.935	3.985	3.817
	25	3.851	3.895	3.737	3.85	3.896	3.737
min		3.851	3.683	3.737	3.850	3.738	3.737
max		4.005	3.895	3.917	4.005	4.057	3.917
mean		3.925	3.796	3.825	3.925	3.929	3.825
std. dev		0.054	0.085	0.062	0.055	0.108	0.062
mean - 3 sigma		3.762	3.541	3.638	3.760	3.606	3.639
mean +3 sigma		4.088	4.051	4.011	4.090	4.252	4.011

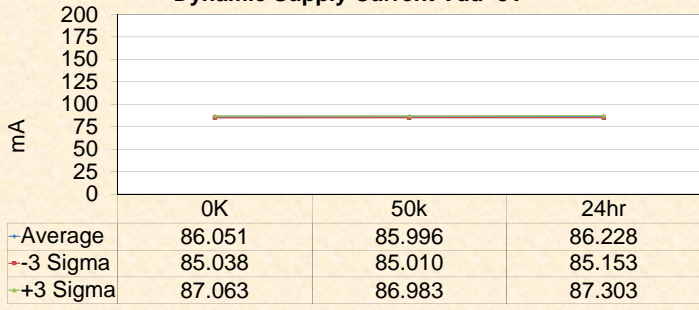
	SN	+Output Power (+Fin = 12GHz, 0dBm)			-Output Power (+Fin = 12GHz, 0dBm)		
		0K	50k	24hr	0K	50k	24hr
CTRL	5	3.588	3.377	3.388	3.589	3.535	3.388
	19	3.668	3.716	3.5	3.667	3.717	3.5
	20	3.633	3.676	3.452	3.633	3.675	3.453
	22	3.578	3.62	3.404	3.578	3.62	3.404
	23	3.558	3.598	3.372	3.558	3.599	3.372
	24	3.6	3.645	3.398	3.599	3.644	3.398
	25	3.514	3.551	3.317	3.514	3.551	3.318
min		3.514	3.551	3.317	3.514	3.551	3.318
max		3.668	3.716	3.500	3.667	3.717	3.500
mean		3.592	3.634	3.407	3.592	3.634	3.408
std. dev		0.055	0.058	0.063	0.054	0.058	0.063
mean - 3 sigma		3.428	3.459	3.217	3.428	3.460	3.218
mean +3 sigma		3.756	3.809	3.597	3.755	3.809	3.597

	SN	+Output Power (-Fin = 12GHz, 0dBm)			-Output Power (-Fin = 12GHz, 0dBm)		
		0K	50k	24hr	0K	50k	24hr
CTRL	5	3.589	3.356	3.388	3.59	3.656	3.387
	19	3.671	3.72	3.501	3.672	3.72	3.501
	20	3.637	3.679	3.451	3.637	3.678	3.452
	22	3.582	3.623	3.403	3.581	3.623	3.402
	23	3.56	3.601	3.37	3.559	3.601	3.371
	24	3.6	3.645	3.396	3.601	3.646	3.395
	25	3.516	3.552	3.316	3.516	3.553	3.315
min		3.516	3.552	3.316	3.516	3.553	3.315
max		3.671	3.720	3.501	3.672	3.720	3.501
mean		3.594	3.637	3.406	3.594	3.637	3.406
std. dev		0.055	0.059	0.064	0.056	0.059	0.064
mean - 3 sigma		3.429	3.460	3.214	3.428	3.461	3.213
mean +3 sigma		3.760	3.814	3.599	3.761	3.813	3.599

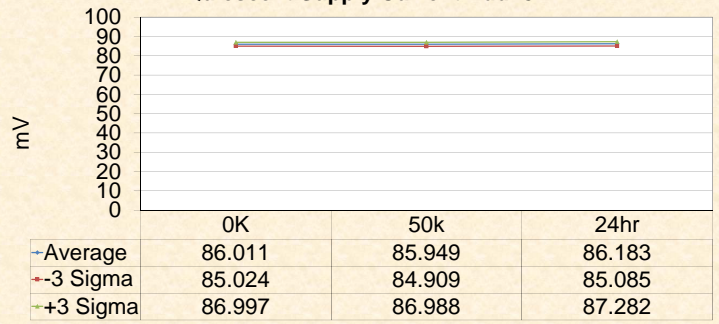
	SN	+Output Power (+Fin = 12GHz, -15dBm)			-Output Power (+Fin = 12GHz, -15dBm)		
		0K	50k	24hr	0K	50k	24hr
CTRL	5	3.592	3.656	3.392	3.592	3.657	3.391
	19	3.673	3.722	3.503	3.672	3.722	3.502
	20	3.639	3.679	3.454	3.637	3.679	3.454
	22	3.582	3.624	3.406	3.582	3.622	3.406
	23	3.561	3.603	3.378	3.561	3.602	3.376
	24	3.602	3.648	3.4	3.601	3.648	3.4
	25	3.515	3.556	3.319	3.514	3.555	3.32
min		3.515	3.556	3.319	3.514	3.555	3.320
max		3.673	3.722	3.503	3.672	3.722	3.502
mean		3.595	3.639	3.410	3.595	3.638	3.410
std. dev		0.056	0.058	0.063	0.056	0.059	0.063
mean - 3 sigma		3.427	3.464	3.220	3.427	3.462	3.221
mean +3 sigma		3.764	3.813	3.600	3.762	3.814	3.598

	SN	+Output Power (-Fin = 12GHz, -15dBm)			-Output Power (-Fin = 12GHz, -15dBm)		
		0K	50k	24hr	0K	50k	24hr
CTRL	5	3.593	3.658	3.39	3.592	3.657	3.39
	19	3.674	3.721	3.502	3.674	3.723	3.502
	20	3.638	3.679	3.453	3.639	3.68	3.454
	22	3.582	3.624	3.406	3.582	3.624	3.406
	23	3.561	3.602	3.375	3.562	3.602	3.376
	24	3.602	3.648	3.399	3.603	3.649	3.4
	25	3.515	3.555	3.319	3.516	3.555	3.319
min		3.515	3.555	3.319	3.516	3.555	3.319
max		3.674	3.721	3.502	3.674	3.723	3.502
mean		3.595	3.638	3.409	3.596	3.639	3.410
std. dev		0.056	0.058	0.063	0.056	0.059	0.063
mean - 3 sigma		3.426	3.463	3.220	3.428	3.461	3.220
mean +3 sigma		3.764	3.813	3.598	3.764	3.816	3.599

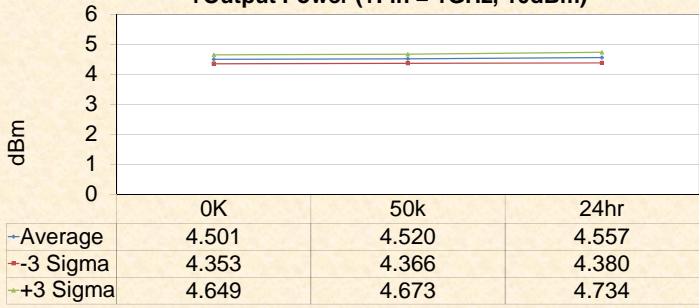
Dynamic Supply Current Vdd=5V



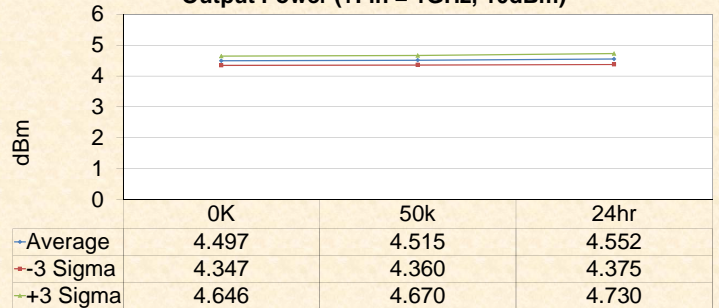
Quiescent Supply Current Vdd=5V



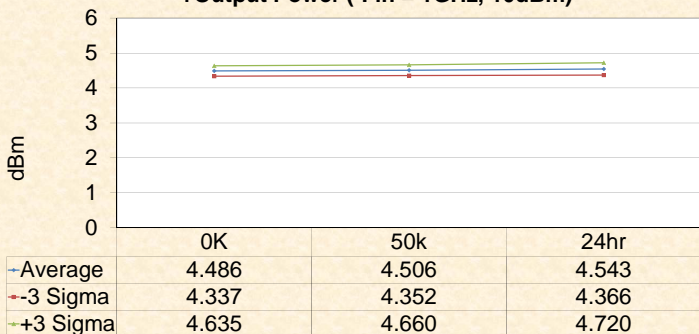
+Output Power (+Fin = 1GHz, 10dBm)



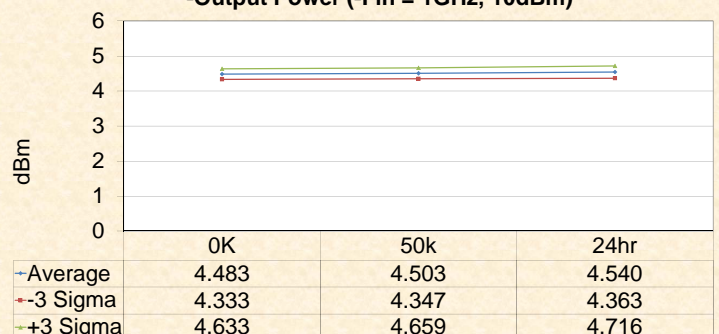
-Output Power (+Fin = 1GHz, 10dBm)



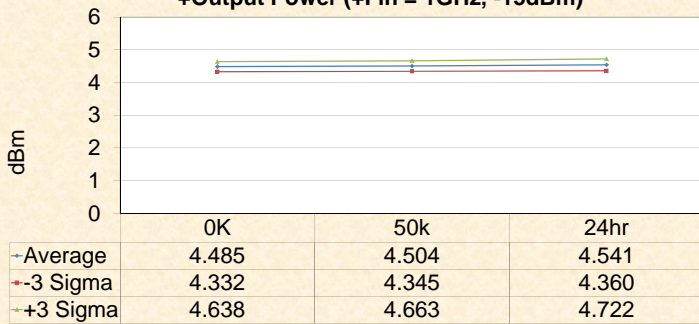
+Output Power (-Fin = 1GHz, 10dBm)



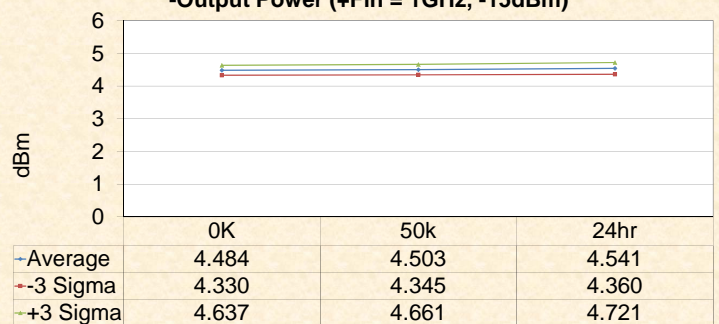
-Output Power (-Fin = 1GHz, 10dBm)

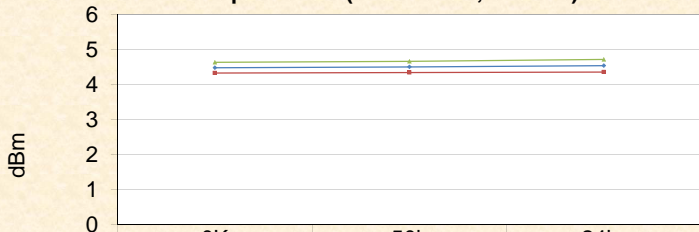


+Output Power (+Fin = 1GHz, -15dBm)



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

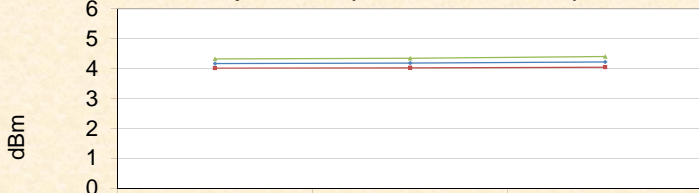


+Output Power (-Fin = 1GHz, -15dBm)

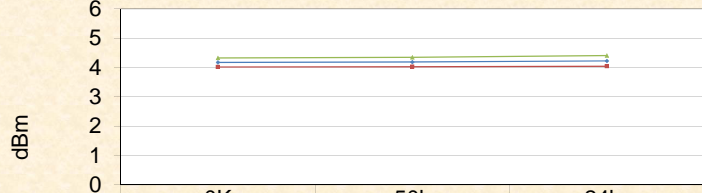
	0K	50k	24hr
Average	4.484	4.503	4.540
-3 Sigma	4.330	4.343	4.360
+3 Sigma	4.638	4.663	4.720

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

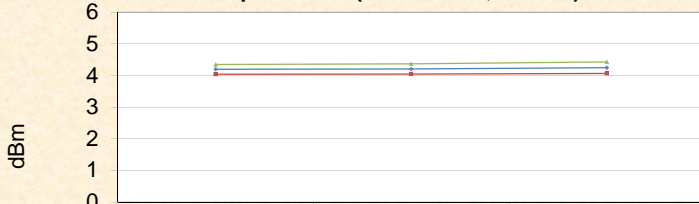
	0K	50k	24hr
Average	4.483	4.502	4.540
-3 Sigma	4.330	4.343	4.357
+3 Sigma	4.635	4.661	4.722

+Output Power (+Fin = 3GHz, 10dBm)

	0K	50k	24hr
Average	4.175	4.189	4.228
-3 Sigma	4.020	4.029	4.048
+3 Sigma	4.330	4.349	4.407

-Output Power (+Fin = 3GHz, 10dBm)

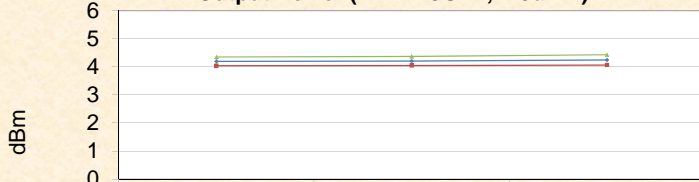
	0K	50k	24hr
Average	4.174	4.188	4.227
-3 Sigma	4.019	4.028	4.045
+3 Sigma	4.329	4.348	4.408

+Output Power (-Fin = 3GHz, 10dBm)

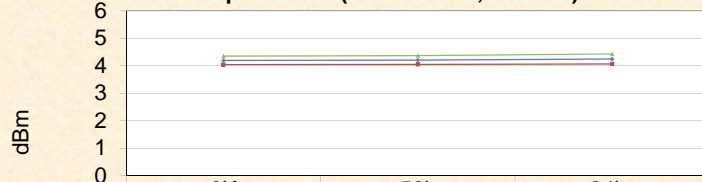
	0K	50k	24hr
Average	4.194	4.206	4.245
-3 Sigma	4.039	4.045	4.063
+3 Sigma	4.349	4.367	4.427

-Output Power (-Fin = 3GHz, 10dBm)

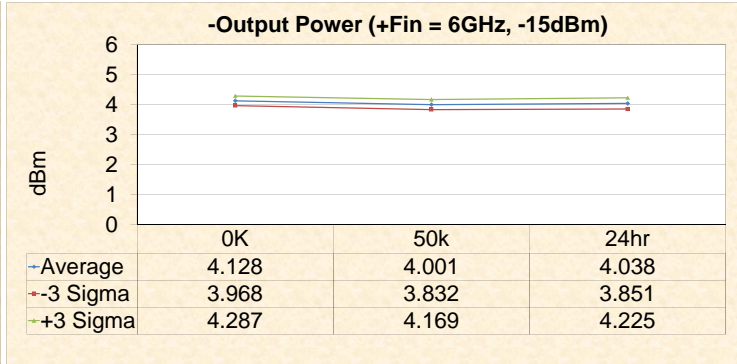
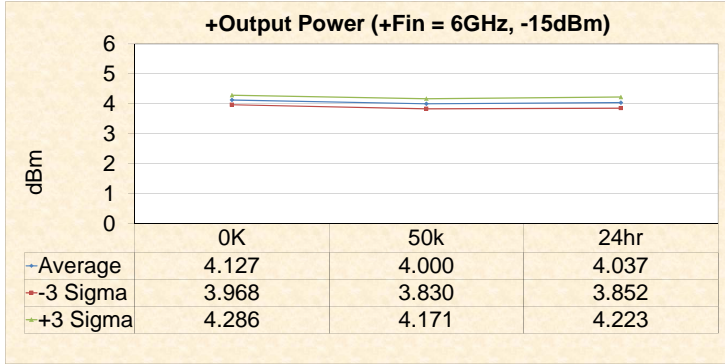
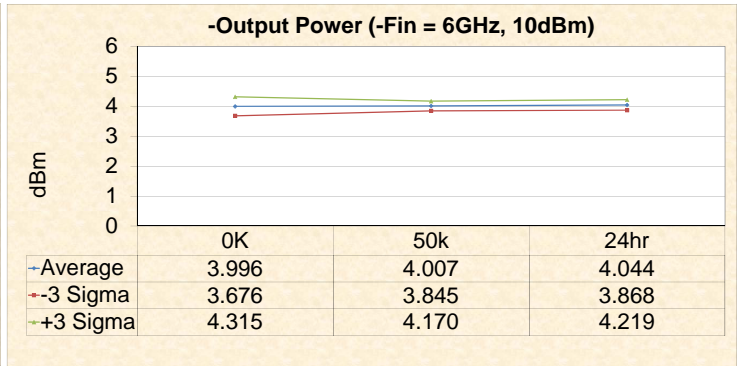
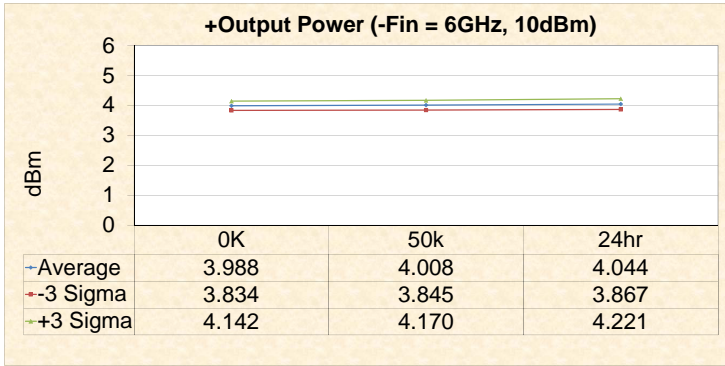
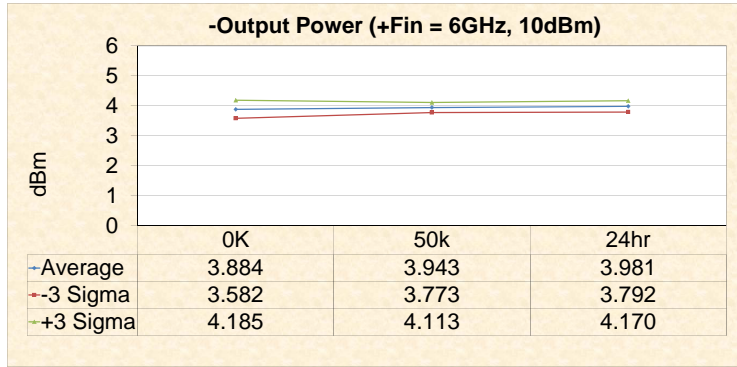
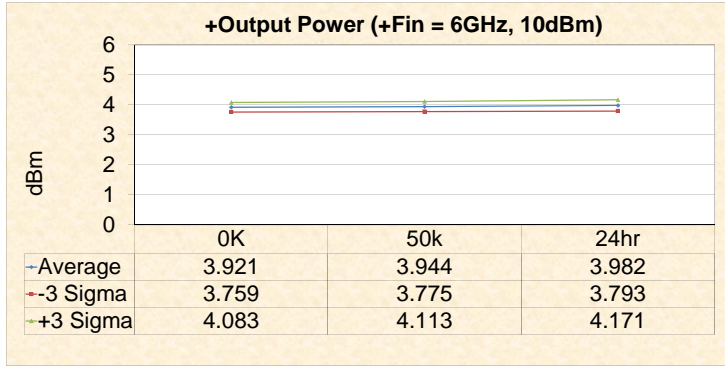
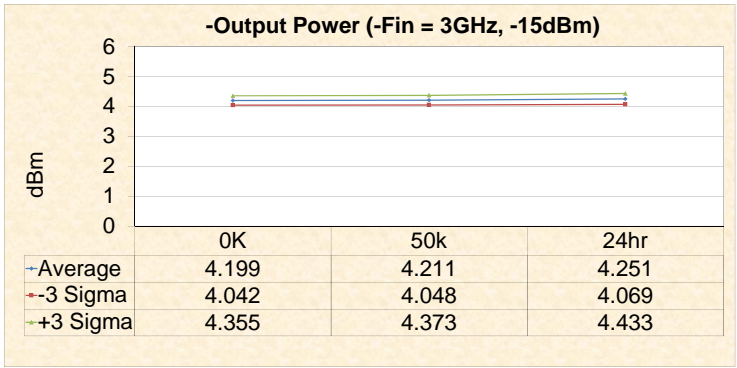
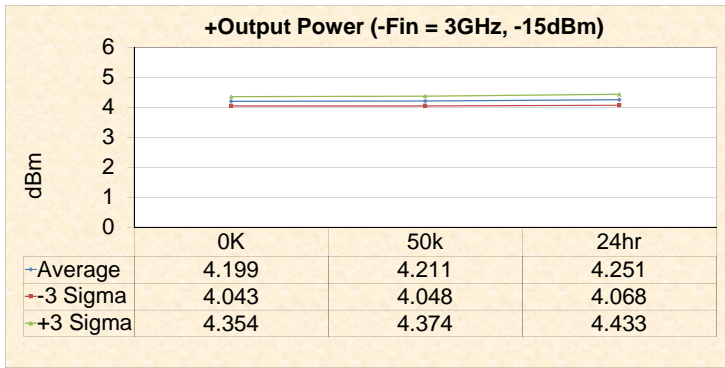
	0K	50k	24hr
Average	4.193	4.205	4.244
-3 Sigma	4.039	4.045	4.063
+3 Sigma	4.347	4.365	4.425

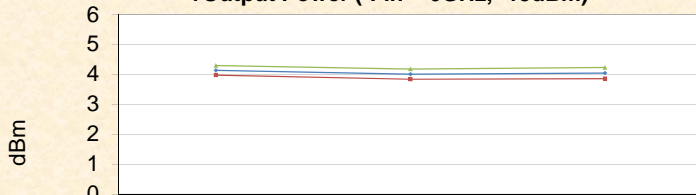
+Output Power (+Fin = 3GHz, -15dBm)

	0K	50k	24hr
Average	4.197	4.210	4.249
-3 Sigma	4.040	4.047	4.065
+3 Sigma	4.353	4.373	4.433

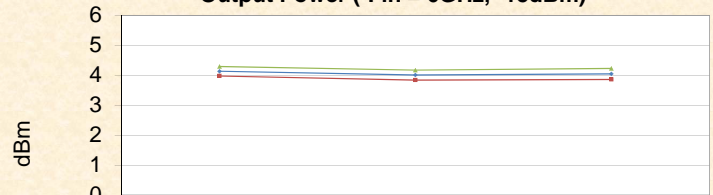
-Output Power (+Fin = 3GHz, -15dBm)

	0K	50k	24hr
Average	4.197	4.210	4.249
-3 Sigma	4.041	4.047	4.068
+3 Sigma	4.352	4.372	4.431

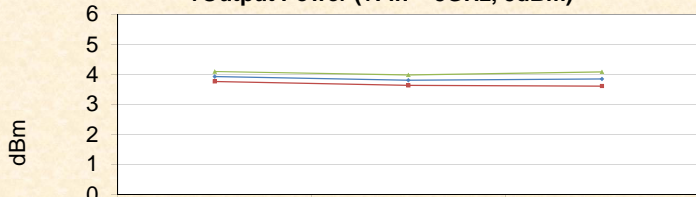


+Output Power (-Fin = 6GHz, -15dBm)

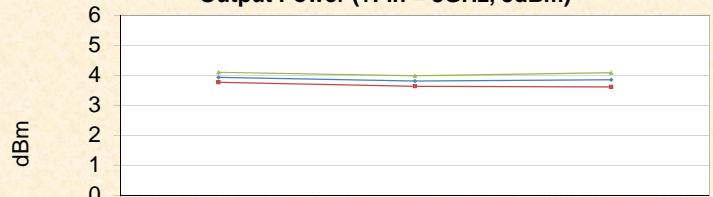
	0K	50k	24hr
Average	4.132	4.006	4.042
-3 Sigma	3.972	3.837	3.857
+3 Sigma	4.292	4.174	4.227

-Output Power (-Fin = 6GHz, -15dBm)

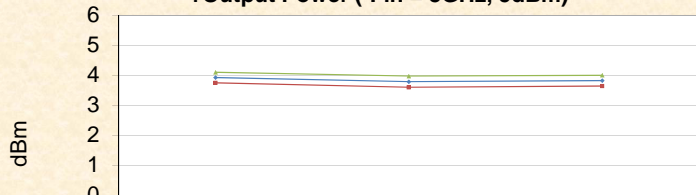
	0K	50k	24hr
Average	4.132	4.005	4.042
-3 Sigma	3.972	3.837	3.857
+3 Sigma	4.287	4.169	4.225

+Output Power (+Fin = 8GHz, 5dBm)

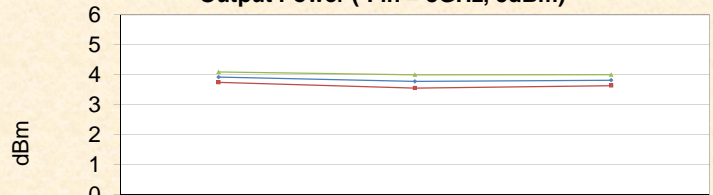
	0K	50k	24hr
Average	3.931	3.808	3.848
-3 Sigma	3.764	3.633	3.610
+3 Sigma	4.098	3.984	4.085

-Output Power (+Fin = 8GHz, 5dBm)

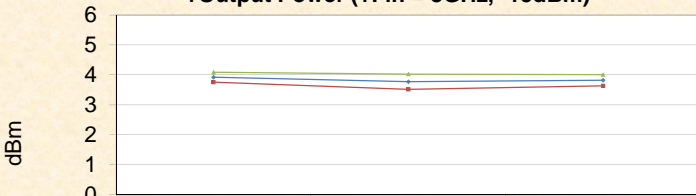
	0K	50k	24hr
Average	3.931	3.807	3.847
-3 Sigma	3.763	3.631	3.610
+3 Sigma	4.098	3.984	4.085

+Output Power (-Fin = 8GHz, 5dBm)

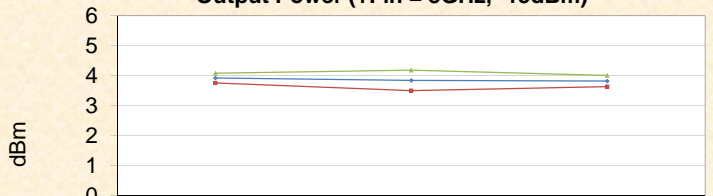
	0K	50k	24hr
Average	3.922	3.787	3.821
-3 Sigma	3.745	3.601	3.640
+3 Sigma	4.099	3.974	4.002

-Output Power (-Fin = 8GHz, 5dBm)

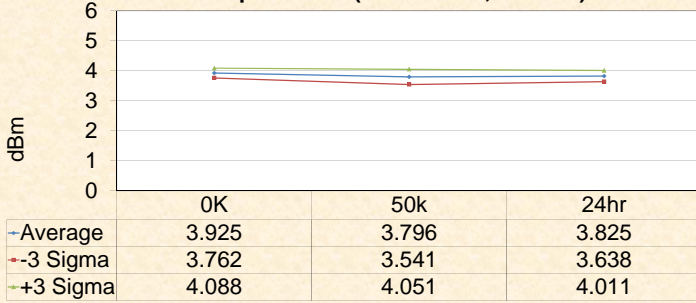
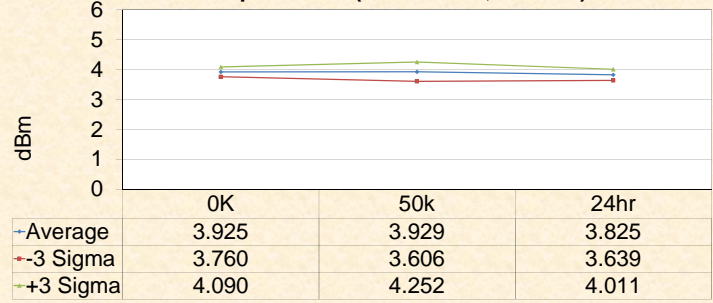
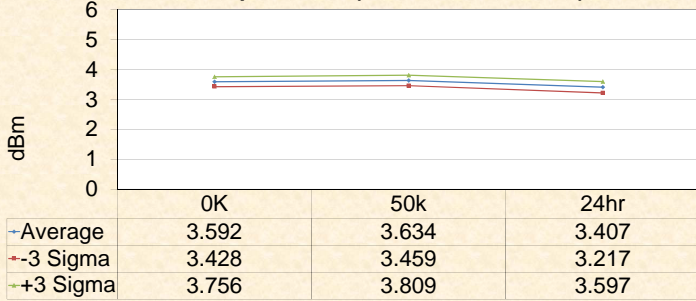
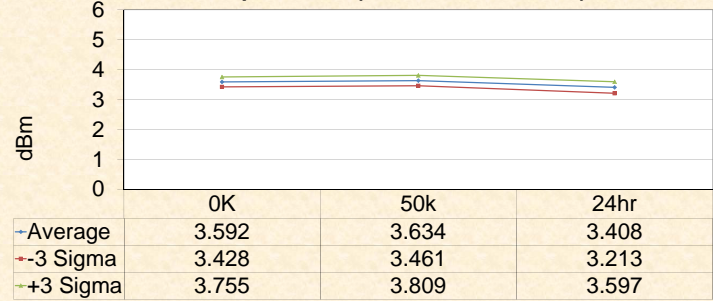
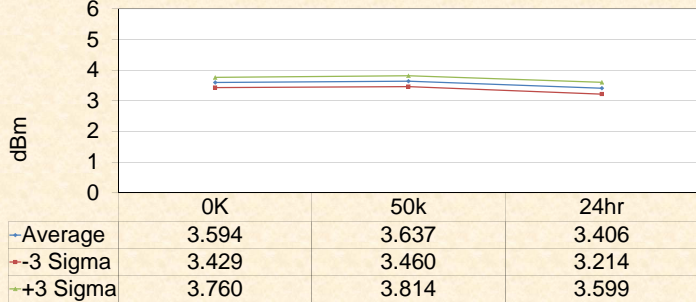
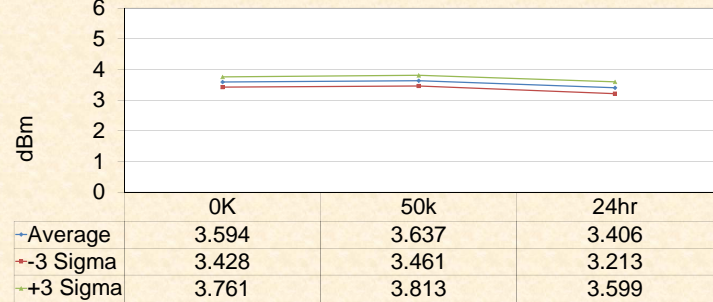
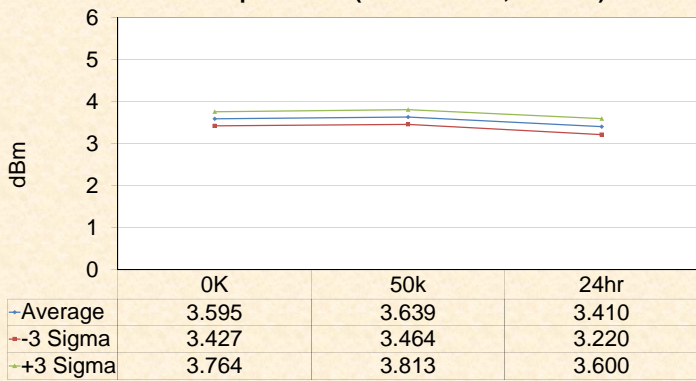
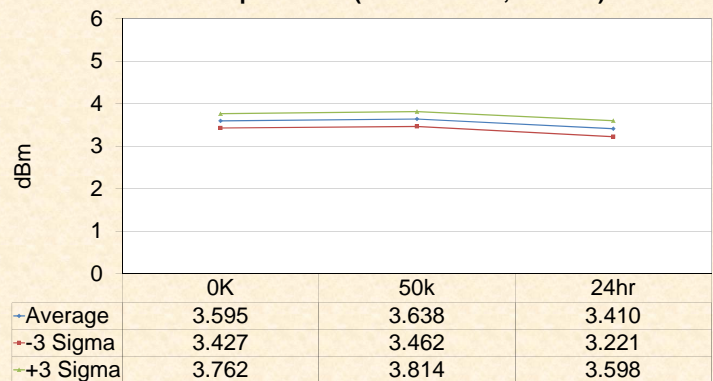
	0K	50k	24hr
Average	3.922	3.781	3.821
-3 Sigma	3.747	3.558	3.639
+3 Sigma	4.097	4.003	4.003

+Output Power (+Fin = 8GHz, -15dBm)

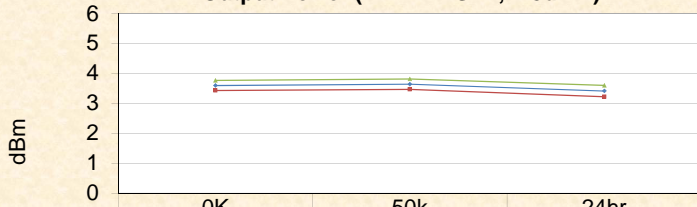
	0K	50k	24hr
Average	3.926	3.777	3.826
-3 Sigma	3.762	3.522	3.638
+3 Sigma	4.090	4.031	4.014

-Output Power (+Fin = 8GHz, -15dBm)

	0K	50k	24hr
Average	3.926	3.846	3.826
-3 Sigma	3.763	3.506	3.638
+3 Sigma	4.089	4.187	4.015

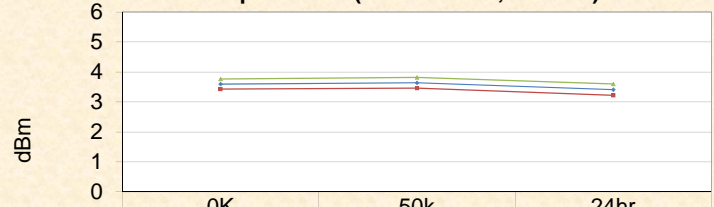
+Output Power (-Fin = 8GHz, -15dBm)**-Output Power (-Fin = 8GHz, -15dBm)****+Output Power (+Fin = 12GHz, 0dBm)****-Output Power (+Fin = 12GHz, 0dBm)****+Output Power (-Fin = 12GHz, 0dBm)****-Output Power (-Fin = 12GHz, 0dBm)****+Output Power (+Fin = 12GHz, -15dBm)****-Output Power (+Fin = 12GHz, -15dBm)**

+Output Power (-Fin = 12GHz, -15dBm)



	0K	50k	24hr
Average	3.595	3.638	3.409
-3 Sigma	3.426	3.463	3.220
+3 Sigma	3.764	3.813	3.598

-Output Power (-Fin = 12GHz, -15dBm)



	0K	50k	24hr
Average	3.596	3.639	3.410
-3 Sigma	3.428	3.461	3.220
+3 Sigma	3.764	3.816	3.599

	SN	Dynamic Supply Current Vdd = 5V			Queiscent Supply Current Vdd = 5V		
		0K	30k	24hr	0K	30k	24hr
CTRL	5	85.943	86.021	86.074	85.903	85.987	86.016
	10	86.081	86.04	86.365	86.053	86.033	86.33
	12	85.717	85.666	85.724	85.681	85.645	85.606
	13	86.538	86.527	86.746	86.512	86.495	86.715
	14	85.808	85.796	86.086	85.785	85.724	86.047
min		85.717	85.666	85.724	85.681	85.645	85.606
max		86.538	86.527	86.746	86.512	86.495	86.715
mean		86.036	86.007	86.230	86.008	85.974	86.175
std. dev		0.369	0.380	0.433	0.371	0.385	0.468
mean - 3 sigma		84.930	84.868	84.933	84.895	84.818	84.772
mean +3 sigma		87.142	87.146	87.528	87.120	87.131	87.577

	SN	+Output Power (+Fin = 1GHz, 10dBm)			-Output Power (+Fin = 1GHz, 10dBm)		
		0K	30k	24hr	0K	30k	24hr
CTRL	5	4.481	4.535	4.546	4.477	4.531	4.541
	10	4.513	4.54	4.577	4.509	4.536	4.571
	12	4.442	4.465	4.491	4.439	4.459	4.488
	13	4.582	4.606	4.637	4.578	4.601	4.633
	14	4.443	4.47	4.509	4.438	4.466	4.505
min		4.442	4.465	4.491	4.438	4.459	4.488
max		4.582	4.606	4.637	4.578	4.601	4.633
mean		4.495	4.520	4.554	4.491	4.516	4.549
std. dev		0.067	0.067	0.067	0.067	0.067	0.066
mean - 3 sigma		4.294	4.320	4.353	4.290	4.315	4.350
mean +3 sigma		4.696	4.720	4.754	4.692	4.716	4.748

	SN	+Output Power (-Fin = 1GHz, 10dBm)			-Output Power (-Fin = 1GHz, 10dBm)		
		0K	30k	24hr	0K	30k	24hr
CTRL	5	4.467	4.521	4.53	4.464	4.518	4.528
	10	4.498	4.526	4.562	4.495	4.524	4.558
	12	4.427	4.45	4.477	4.422	4.448	4.475
	13	4.566	4.59	4.625	4.563	4.588	4.62
	14	4.428	4.455	4.496	4.424	4.452	4.491
min		4.427	4.450	4.477	4.422	4.448	4.475
max		4.566	4.590	4.625	4.563	4.588	4.620
mean		4.480	4.505	4.540	4.476	4.503	4.536
std. dev		0.066	0.066	0.067	0.067	0.067	0.067
mean - 3 sigma		4.281	4.306	4.338	4.274	4.303	4.336
mean +3 sigma		4.679	4.704	4.742	4.678	4.703	4.736

	SN	+Output Power (+Fin = 1GHz, -15dBm)			-Output Power (+Fin = 1GHz, -15dBm)		
		0K	30k	24hr	0K	30k	24hr
CTRL	5	4.465	4.52	4.529	4.466	4.518	4.528
	10	4.497	4.524	4.559	4.496	4.523	4.559
	12	4.425	4.449	4.488	4.424	4.447	4.488
	13	4.564	4.588	4.621	4.563	4.586	4.622
	14	4.426	4.454	4.493	4.424	4.453	4.492
min		4.425	4.449	4.488	4.424	4.447	4.488
max		4.564	4.588	4.621	4.563	4.586	4.622
mean		4.478	4.504	4.540	4.477	4.502	4.540
std. dev		0.067	0.066	0.063	0.067	0.066	0.063
mean - 3 sigma		4.278	4.306	4.352	4.276	4.305	4.350
mean +3 sigma		4.678	4.701	4.729	4.677	4.699	4.731

	SN	+Output Power (-Fin = 1GHz, -15dBm)			-Output Power (-Fin = 1GHz, -15dBm)		
		0K	30k	24hr	0K	30k	24hr
CTRL	5	4.465	4.519	4.527	4.464	4.517	4.527
	10	4.495	4.523	4.559	4.495	4.523	4.557
	12	4.424	4.447	4.493	4.423	4.445	4.492
	13	4.564	4.587	4.62	4.562	4.586	4.621
	14	4.424	4.453	4.493	4.424	4.451	4.491
min		4.424	4.447	4.493	4.423	4.445	4.491
max		4.564	4.587	4.620	4.562	4.586	4.621
mean		4.477	4.503	4.541	4.476	4.501	4.540
std. dev		0.067	0.066	0.061	0.067	0.067	0.062
mean - 3 sigma		4.275	4.304	4.358	4.276	4.301	4.354
mean +3 sigma		4.678	4.701	4.724	4.676	4.701	4.726

	SN	+Output Power (+Fin = 3GHz, 10dBm)			-Output Power (+Fin = 3GHz, 10dBm)		
		0K	30k	24hr	0K	30k	24hr
CTRL	5	4.158	4.205	4.219	4.156	4.204	4.217
	10	4.189	4.211	4.249	4.187	4.21	4.247
	12	4.117	4.135	4.164	4.118	4.134	4.163
	13	4.254	4.273	4.307	4.254	4.272	4.307
	14	4.118	4.141	4.183	4.116	4.139	4.181
min		4.117	4.135	4.164	4.116	4.134	4.163
max		4.254	4.273	4.307	4.254	4.272	4.307
mean		4.170	4.190	4.226	4.169	4.189	4.225
std. dev		0.066	0.065	0.065	0.066	0.065	0.066
mean - 3 sigma		3.973	3.994	4.030	3.972	3.992	4.027
mean +3 sigma		4.366	4.386	4.422	4.366	4.385	4.422

	SN	+Output Power (-Fin = 3GHz, 10dBm)			-Output Power (-Fin = 3GHz, 10dBm)		
		0K	30k	24hr	0K	30k	24hr
CTRL	5	4.176	4.223	4.235	4.175	4.222	4.234
	10	4.207	4.229	4.266	4.206	4.227	4.264
	12	4.136	4.152	4.181	4.136	4.151	4.181
	13	4.272	4.291	4.325	4.272	4.289	4.325
	14	4.137	4.158	4.201	4.136	4.157	4.201
min		4.136	4.152	4.181	4.136	4.151	4.181
max		4.272	4.291	4.325	4.272	4.289	4.325
mean		4.188	4.208	4.243	4.188	4.206	4.243
std. dev		0.065	0.066	0.065	0.065	0.065	0.065
mean - 3 sigma		3.993	4.010	4.047	3.992	4.010	4.047
mean +3 sigma		4.383	4.405	4.440	4.383	4.402	4.439

	SN	+Output Power (+Fin = 3GHz, -15dBm)			-Output Power (+Fin = 3GHz, -15dBm)		
		0K	30k	24hr	0K	30k	24hr
CTRL	5	4.178	4.226	4.239	4.178	4.226	4.239
	10	4.21	4.232	4.27	4.211	4.232	4.269
	12	4.14	4.156	4.184	4.14	4.155	4.184
	13	4.275	4.293	4.328	4.277	4.294	4.328
	14	4.139	4.161	4.205	4.14	4.161	4.205
min		4.139	4.156	4.184	4.140	4.155	4.184
max		4.275	4.293	4.328	4.277	4.294	4.328
mean		4.191	4.211	4.247	4.192	4.211	4.247
std. dev		0.065	0.065	0.065	0.066	0.066	0.065
mean - 3 sigma		3.996	4.015	4.051	3.995	4.013	4.051
mean +3 sigma		4.386	4.406	4.443	4.389	4.408	4.442

	SN	+Output Power (-Fin = 3GHz, -15dBm)			-Output Power (-Fin = 3GHz, -15dBm)		
		0K	30k	24hr	0K	30k	24hr
CTRL	5	4.18	4.228	4.241	4.18	4.227	4.241
	10	4.212	4.233	4.27	4.212	4.234	4.272
	12	4.141	4.158	4.185	4.141	4.158	4.185
	13	4.277	4.294	4.33	4.277	4.296	4.329
	14	4.141	4.162	4.205	4.141	4.162	4.206
min		4.141	4.158	4.185	4.141	4.158	4.185
max		4.277	4.294	4.330	4.277	4.296	4.329
mean		4.193	4.212	4.248	4.193	4.213	4.248
std. dev		0.065	0.065	0.066	0.065	0.066	0.065
mean - 3 sigma		3.997	4.017	4.050	3.997	4.015	4.052
mean +3 sigma		4.389	4.406	4.445	4.389	4.410	4.444

	SN	+Output Power (+Fin = 6GHz, 10dBm)			-Output Power (+Fin = 6GHz, 10dBm)		
		0K	30k	24hr	0K	30k	24hr
CTRL	5	3.902	3.959	3.971	3.899	3.959	3.969
	10	3.937	3.975	4.005	3.937	3.972	4.004
	12	3.863	3.892	3.913	3.861	3.891	3.913
	13	3.999	4.028	4.059	3.997	4.029	4.057
	14	3.863	3.897	3.935	3.861	3.896	3.935
min		3.863	3.892	3.913	3.861	3.891	3.913
max		3.999	4.028	4.059	3.997	4.029	4.057
mean		3.916	3.948	3.978	3.914	3.947	3.977
std. dev		0.066	0.065	0.067	0.066	0.066	0.066
mean - 3 sigma		3.718	3.752	3.778	3.716	3.749	3.780
mean +3 sigma		4.113	4.144	4.178	4.112	4.145	4.175

	SN	+Output Power (-Fin = 6GHz, 10dBm)			-Output Power (-Fin = 6GHz, 10dBm)		
		0K	30k	24hr	0K	30k	24hr
CTRL	5	3.969	4.022	4.033	3.956	4.021	4.032
	10	4	4.029	4.065	3.999	4.028	4.064
	12	3.929	3.953	3.979	3.893	3.953	3.979
	13	4.067	4.091	4.124	3.966	4.09	4.124
	14	3.933	3.959	4.003	3.833	3.958	4.001
min		3.929	3.953	3.979	3.833	3.953	3.979
max		4.067	4.091	4.124	3.999	4.090	4.124
mean		3.982	4.008	4.043	3.923	4.007	4.042
std. dev		0.065	0.065	0.065	0.074	0.065	0.065
mean - 3 sigma		3.787	3.812	3.847	3.699	3.812	3.846
mean +3 sigma		4.178	4.204	4.238	4.146	4.202	4.238

	SN	+Output Power (+Fin = 6GHz, -15dBm)			-Output Power (+Fin = 6GHz, -15dBm)		
		0K	30k	24hr	0K	30k	24hr
CTRL	5	4.11	4.015	4.026	4.112	4.016	4.027
	10	3.884	4.027	4.06	4.148	4.026	4.06
	12	4.071	3.948	3.973	4.073	3.948	3.973
	13	4.204	4.084	4.117	4.205	4.085	4.118
	14	4.07	3.952	3.994	4.07	3.952	3.994
min		3.884	3.948	3.973	4.070	3.948	3.973
max		4.204	4.084	4.117	4.205	4.085	4.118
mean		4.057	4.003	4.036	4.124	4.003	4.036
std. dev		0.132	0.065	0.065	0.065	0.066	0.066
mean - 3 sigma		3.663	3.807	3.840	3.929	3.806	3.839
mean +3 sigma		4.452	4.198	4.232	4.319	4.199	4.234

	SN	+Output Power (-Fin = 6GHz, -15dBm)			-Output Power (-Fin = 6GHz, -15dBm)		
		0K	30k	24hr	0K	30k	24hr
CTRL	5	4.116	4.02	4.032	4.118	4.02	4.031
	10	4.151	4.029	4.064	4.153	4.031	4.064
	12	4.077	3.952	3.978	4.076	3.952	3.978
	13	4.209	4.089	4.121	4.21	4.089	4.122
	14	4.074	3.957	3.999	4.076	3.956	3.999
min		4.074	3.952	3.978	4.076	3.952	3.978
max		4.209	4.089	4.121	4.210	4.089	4.122
mean		4.128	4.007	4.041	4.129	4.007	4.041
std. dev		0.065	0.065	0.065	0.065	0.066	0.065
mean - 3 sigma		3.933	3.811	3.846	3.933	3.810	3.845
mean +3 sigma		4.322	4.202	4.235	4.324	4.204	4.237

	SN	+Output Power (+Fin = 8GHz, 5dBm)			-Output Power (+Fin = 8GHz, 5dBm)		
		0K	30k	24hr	0K	30k	24hr
CTRL	5	3.922	3.822	3.804	3.921	3.821	3.804
	10	3.95	3.873	3.836	3.949	3.872	3.836
	12	3.877	3.776	3.77	3.877	3.777	3.771
	13	4.002	3.923	3.9	4.002	3.922	3.899
	14	3.864	3.79	3.768	3.865	3.791	3.769
min		3.864	3.776	3.768	3.865	3.777	3.769
max		4.002	3.923	3.900	4.002	3.922	3.899
mean		3.923	3.841	3.819	3.923	3.841	3.819
std. dev		0.065	0.070	0.063	0.064	0.069	0.062
mean - 3 sigma		3.729	3.631	3.630	3.730	3.635	3.633
mean +3 sigma		4.117	4.050	4.007	4.116	4.046	4.004

	SN	+Output Power (-Fin = 8GHz, 5dBm)			-Output Power (-Fin = 8GHz, 5dBm)		
		0K	30k	24hr	0K	30k	24hr
CTRL	5	3.948	3.791	3.817	3.947	3.792	3.817
	10	3.943	3.827	3.86	3.944	3.826	3.86
	12	3.886	3.748	3.75	3.886	3.748	3.75
	13	3.998	3.874	3.904	4	3.873	3.903
	14	3.874	3.765	3.79	3.872	3.766	3.789
min		3.874	3.748	3.750	3.872	3.748	3.750
max		3.998	3.874	3.904	4.000	3.873	3.903
mean		3.925	3.804	3.826	3.926	3.803	3.826
std. dev		0.057	0.058	0.069	0.059	0.057	0.069
mean - 3 sigma		3.754	3.630	3.619	3.750	3.632	3.619
mean +3 sigma		4.096	3.977	4.033	4.101	3.975	4.032

	SN	+Output Power (+Fin = 8GHz, -15dBm)			-Output Power (+Fin = 8GHz, -15dBm)		
		0K	30k	24hr	0K	30k	24hr
CTRL	5	3.916	3.8	3.81	3.917	3.8	3.811
	10	3.946	3.819	3.849	3.945	3.82	3.85
	12	3.869	3.737	3.761	3.868	3.738	3.761
	13	4.003	3.874	3.907	4.003	3.875	3.907
	14	3.864	3.739	3.782	3.864	3.74	3.781
min		3.864	3.737	3.761	3.864	3.738	3.761
max		4.003	3.874	3.907	4.003	3.875	3.907
mean		3.921	3.792	3.825	3.920	3.793	3.825
std. dev		0.067	0.067	0.066	0.067	0.067	0.067
mean - 3 sigma		3.721	3.593	3.625	3.720	3.594	3.624
mean +3 sigma		4.120	3.992	4.024	4.120	3.993	4.025

	SN	+Output Power (-Fin = 8GHz, -15dBm)			-Output Power (-Fin = 8GHz, -15dBm)		
		0K	30k	24hr	0K	30k	24hr
CTRL	5	3.917	3.798	3.809	3.917	3.797	3.811
	10	3.945	3.816	3.85	3.945	3.816	3.852
	12	3.868	3.735	3.758	3.868	3.736	3.758
	13	4.002	3.873	3.908	4.003	3.871	3.907
	14	3.864	3.738	3.781	3.865	3.737	3.782
min		3.864	3.735	3.758	3.865	3.736	3.758
max		4.002	3.873	3.908	4.003	3.871	3.907
mean		3.920	3.791	3.824	3.920	3.790	3.825
std. dev		0.066	0.067	0.068	0.066	0.066	0.068
mean - 3 sigma		3.721	3.591	3.620	3.721	3.593	3.621
mean +3 sigma		4.119	3.990	4.029	4.120	3.987	4.028

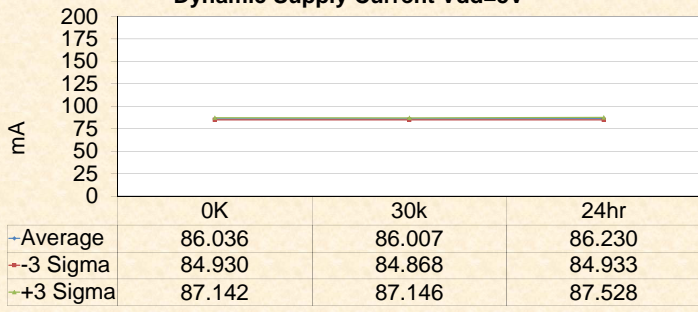
	SN	+Output Power (+Fin = 12GHz, 0dBm)			-Output Power (+Fin = 12GHz, 0dBm)		
		0K	30k	24hr	0K	30k	24hr
CTRL	5	3.588	3.377	3.388	3.589	3.535	3.388
	10	3.611	3.66	3.436	3.611	3.657	3.436
	12	3.527	3.57	3.336	3.528	3.57	3.335
	13	3.667	3.71	3.493	3.668	3.712	3.493
	14	3.526	3.57	3.363	3.524	3.57	3.363
min		3.526	3.570	3.336	3.524	3.570	3.335
max		3.667	3.710	3.493	3.668	3.712	3.493
mean		3.583	3.628	3.407	3.583	3.627	3.407
std. dev		0.069	0.069	0.071	0.070	0.070	0.072
mean - 3 sigma		3.376	3.419	3.193	3.374	3.418	3.192
mean +3 sigma		3.789	3.836	3.621	3.791	3.837	3.621

	SN	+Output Power (-Fin = 12GHz, 0dBm)			-Output Power (-Fin = 12GHz, 0dBm)		
		0K	30k	24hr	0K	30k	24hr
CTRL	5	3.589	3.356	3.388	3.59	3.656	3.387
	10	3.613	3.662	3.437	3.614	3.662	3.437
	12	3.531	3.572	3.333	3.53	3.573	3.334
	13	3.671	3.713	3.491	3.671	3.713	3.493
	14	3.528	3.572	3.362	3.526	3.571	3.363
min		3.528	3.572	3.333	3.526	3.571	3.334
max		3.671	3.713	3.491	3.671	3.713	3.493
mean		3.586	3.630	3.406	3.585	3.630	3.407
std. dev		0.069	0.070	0.072	0.070	0.070	0.072
mean - 3 sigma		3.378	3.420	3.190	3.375	3.420	3.191
mean +3 sigma		3.793	3.839	3.621	3.796	3.839	3.623

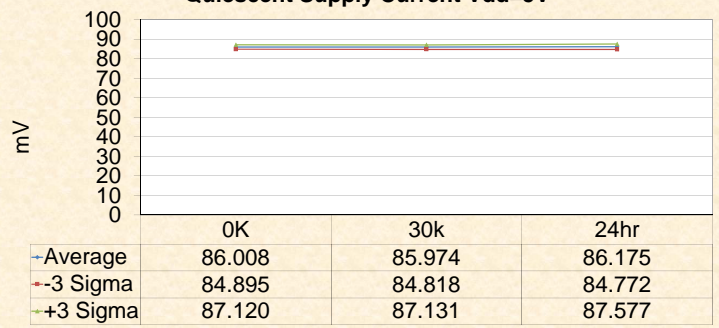
	SN	+Output Power (+Fin = 12GHz, -15dBm)			-Output Power (+Fin = 12GHz, -15dBm)		
		0K	30k	24hr	0K	30k	24hr
CTRL	5	3.592	3.656	3.392	3.592	3.657	3.391
	10	3.616	3.662	3.439	3.616	3.663	3.439
	12	3.532	3.574	3.37	3.531	3.573	3.369
	13	3.672	3.715	3.496	3.672	3.715	3.496
	14	3.529	3.573	3.366	3.528	3.573	3.365
min		3.529	3.573	3.366	3.528	3.573	3.365
max		3.672	3.715	3.496	3.672	3.715	3.496
mean		3.587	3.631	3.418	3.587	3.631	3.417
std. dev		0.069	0.070	0.062	0.070	0.070	0.063
mean - 3 sigma		3.379	3.422	3.232	3.377	3.420	3.230
mean +3 sigma		3.795	3.840	3.604	3.797	3.842	3.605

	SN	+Output Power (-Fin = 12GHz, -15dBm)			-Output Power (-Fin = 12GHz, -15dBm)		
		0K	30k	24hr	0K	30k	24hr
CTRL	5	3.593	3.658	3.39	3.592	3.657	3.39
	10	3.615	3.663	3.44	3.616	3.664	3.439
	12	3.532	3.574	3.313	3.53	3.573	3.312
	13	3.673	3.715	3.494	3.673	3.716	3.494
	14	3.528	3.574	3.366	3.53	3.574	3.366
	min	3.528	3.574	3.313	3.530	3.573	3.312
	max	3.673	3.715	3.494	3.673	3.716	3.494
	mean	3.587	3.632	3.403	3.587	3.632	3.403
	std. dev	0.070	0.070	0.080	0.070	0.071	0.080
	mean - 3 sigma	3.377	3.422	3.164	3.377	3.420	3.163
	mean +3 sigma	3.797	3.841	3.643	3.797	3.843	3.643

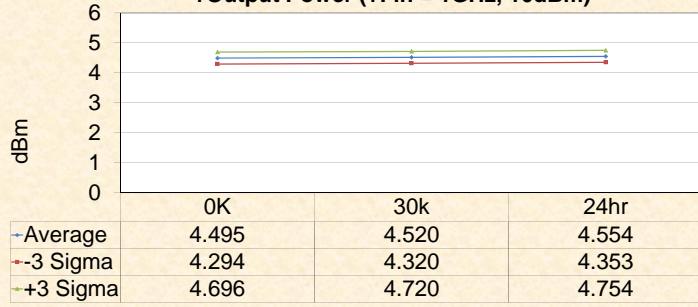
Dynamic Supply Current Vdd=5V



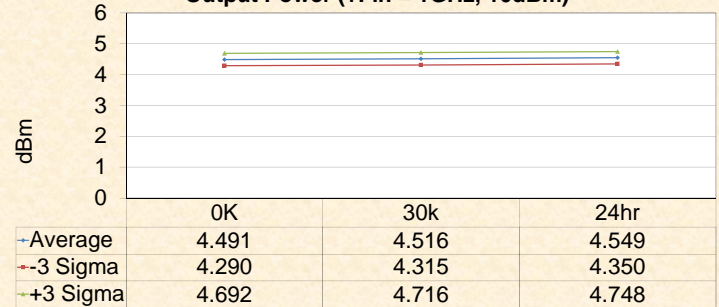
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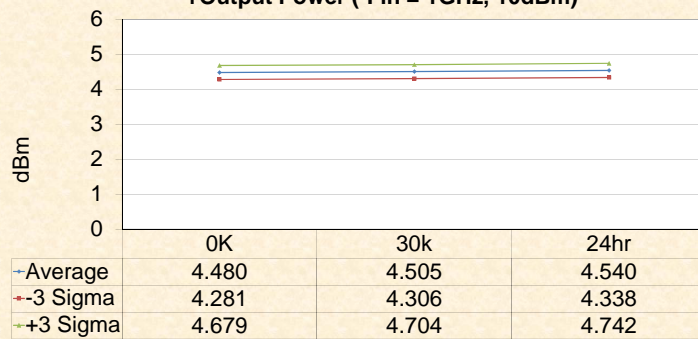
+Output Power (+Fin = 1GHz, 10dBm)



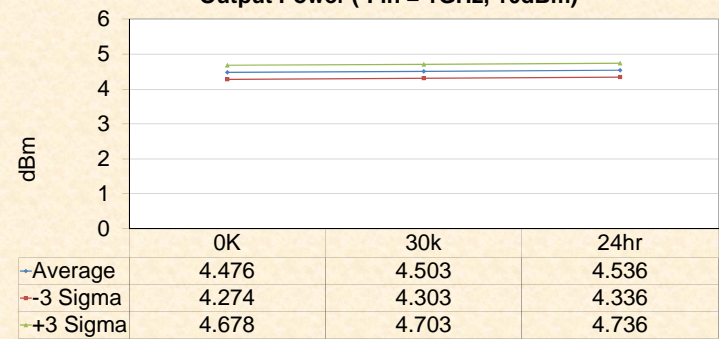
-Output Power (+Fin = 1GHz, 10dBm)



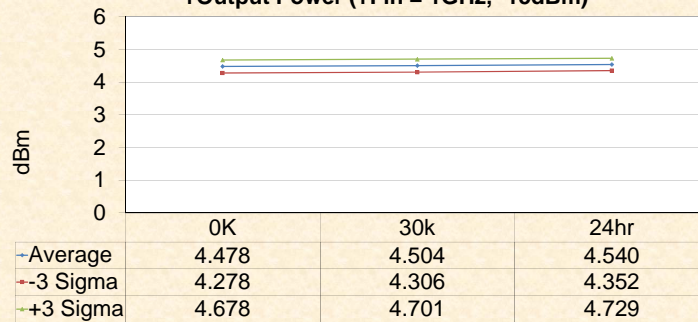
+Output Power (-Fin = 1GHz, 10dBm)



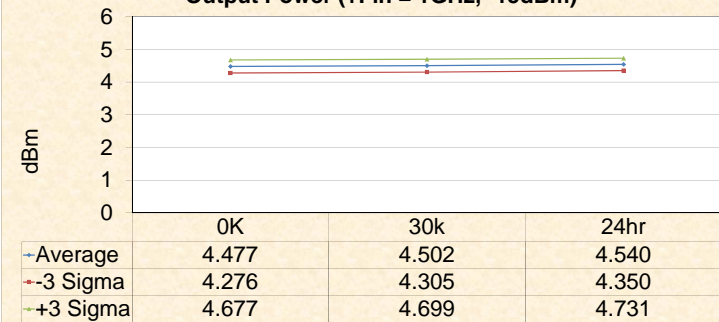
-Output Power (-Fin = 1GHz, 10dBm)

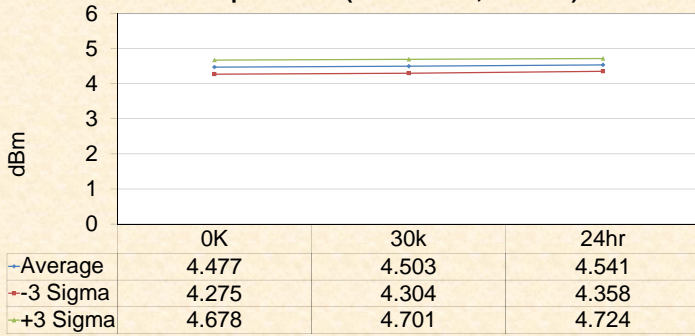
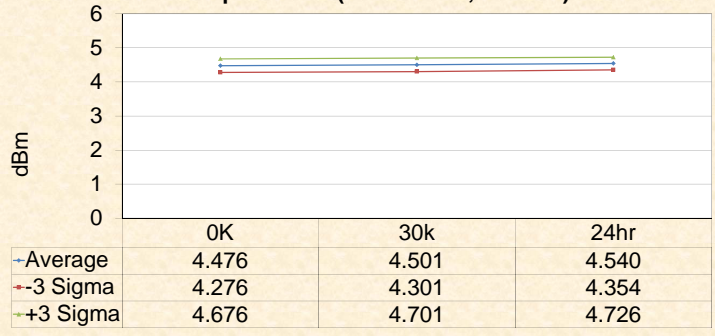
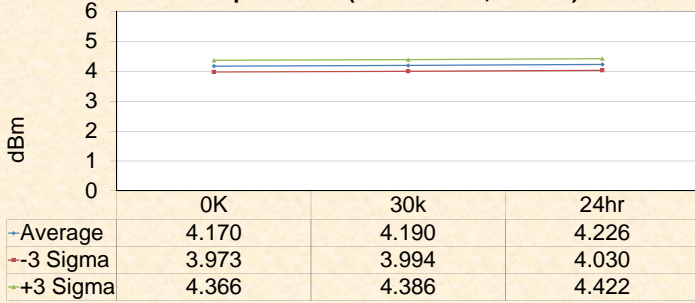
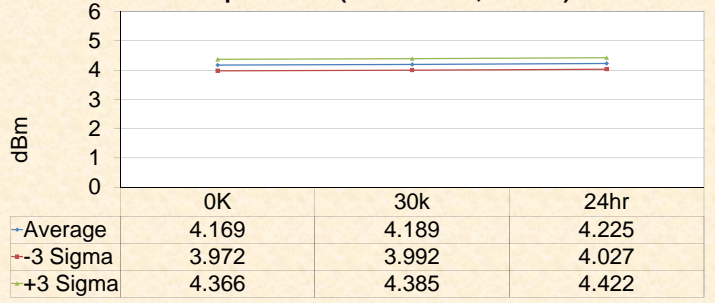
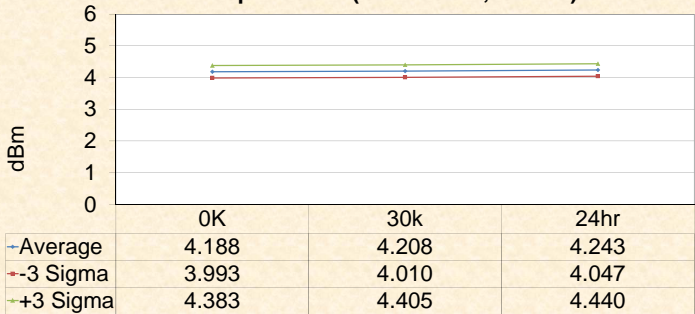
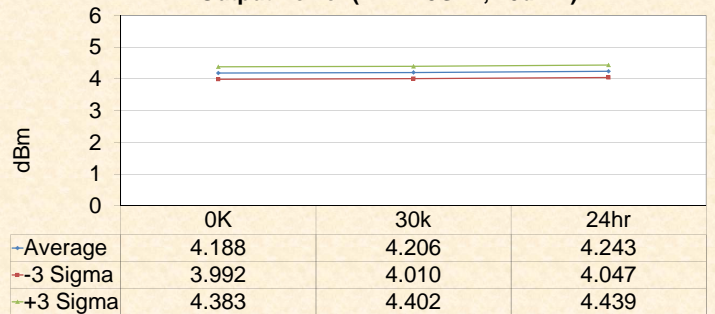
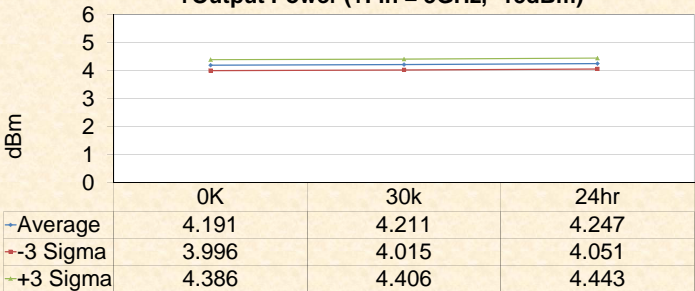
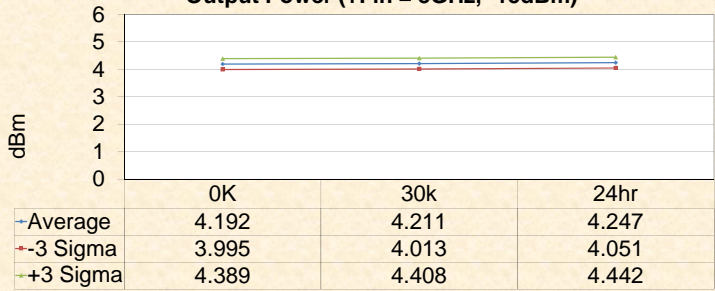


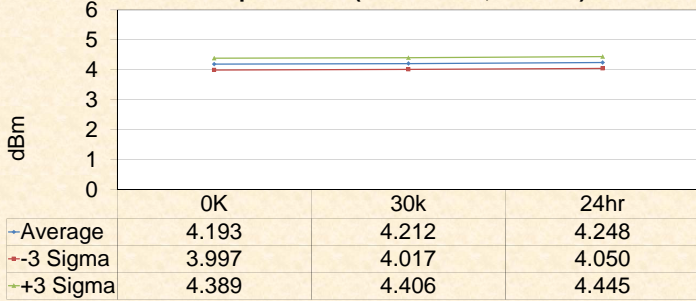
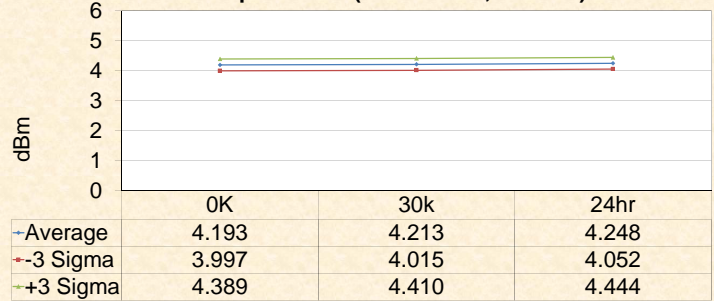
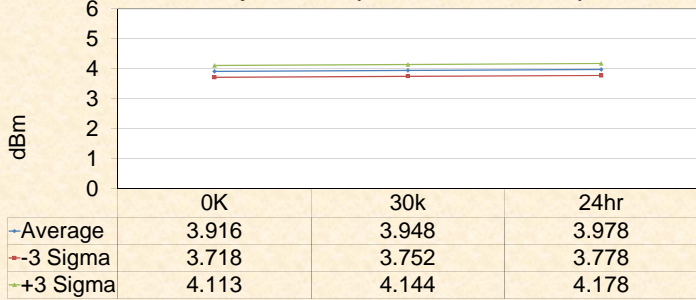
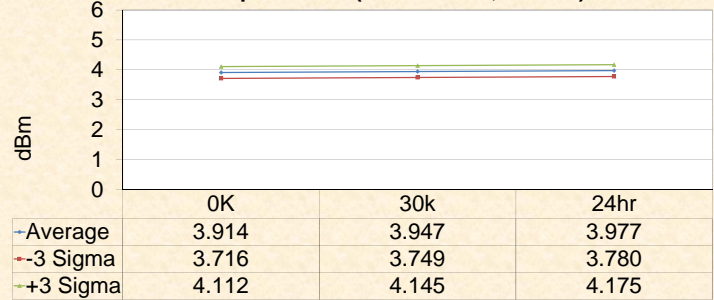
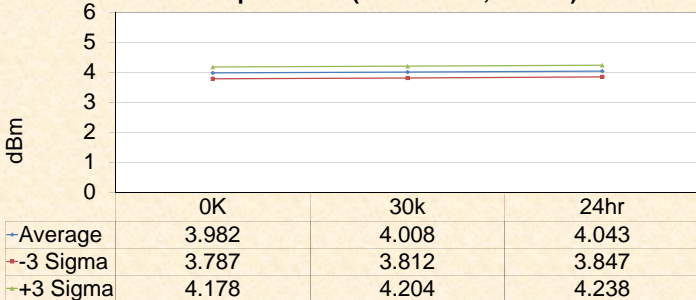
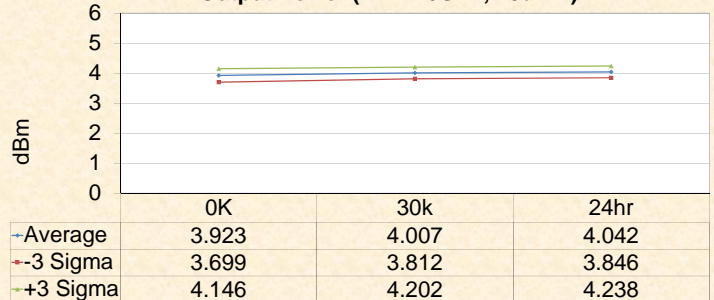
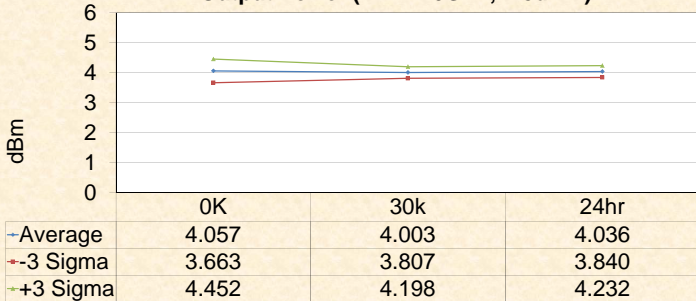
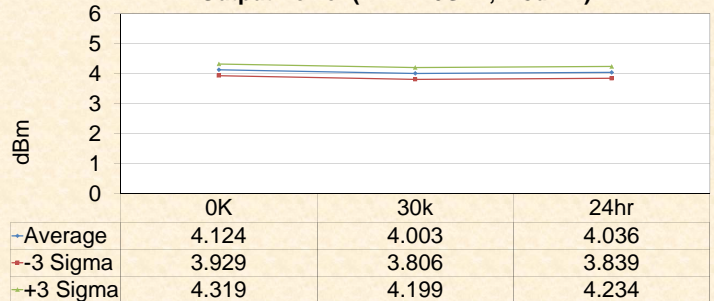
+Output Power (+Fin = 1GHz, -15dBm)

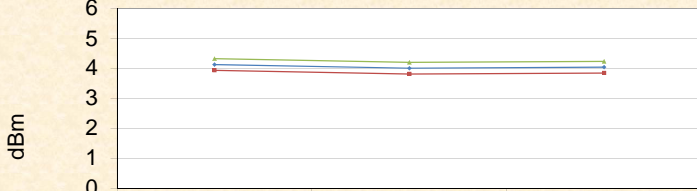


-Output Power (+Fin = 1GHz, -15dBm)

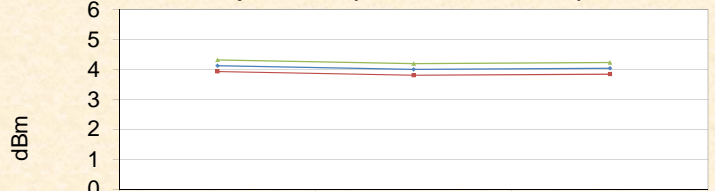


+Output Power (-Fin = 1GHz, -15dBm)**-Output Power (-Fin = 1GHz, -15dBm)****+Output Power (+Fin = 3GHz, 10dBm)****-Output Power (+Fin = 3GHz, 10dBm)****+Output Power (-Fin = 3GHz, 10dBm)****-Output Power (-Fin = 3GHz, 10dBm)****+Output Power (+Fin = 3GHz, -15dBm)****-Output Power (+Fin = 3GHz, -15dBm)**

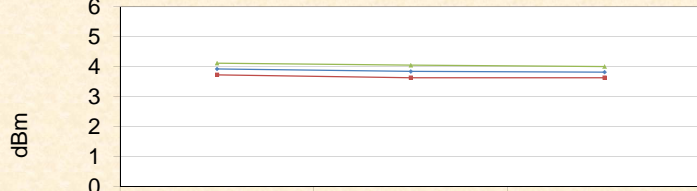
+Output Power (-Fin = 3GHz, -15dBm)**-Output Power (-Fin = 3GHz, -15dBm)****+Output Power (+Fin = 6GHz, 10dBm)****-Output Power (+Fin = 6GHz, 10dBm)****+Output Power (-Fin = 6GHz, 10dBm)****-Output Power (-Fin = 6GHz, 10dBm)****+Output Power (+Fin = 6GHz, -15dBm)****-Output Power (+Fin = 6GHz, -15dBm)**

+Output Power (-Fin = 6GHz, -15dBm)

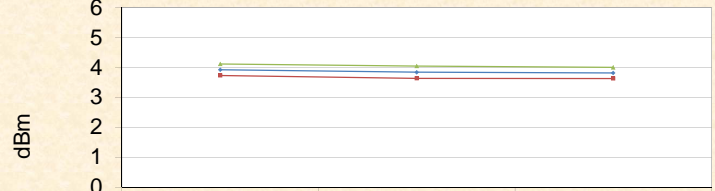
	0K	30k	24hr
Average	4.128	4.007	4.041
-3 Sigma	3.933	3.811	3.846
+3 Sigma	4.322	4.202	4.235

-Output Power (-Fin = 6GHz, -15dBm)

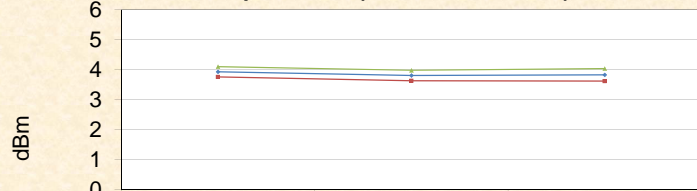
	0K	30k	24hr
Average	4.129	4.007	4.041
-3 Sigma	3.933	3.810	3.845
+3 Sigma	4.319	4.199	4.234

+Output Power (+Fin = 8GHz, 5dBm)

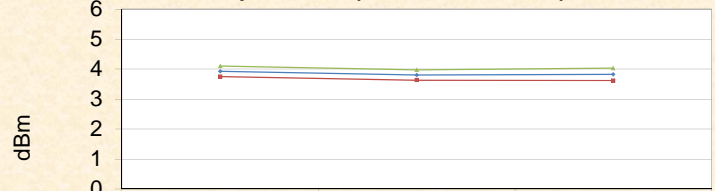
	0K	30k	24hr
Average	3.923	3.841	3.819
-3 Sigma	3.729	3.631	3.630
+3 Sigma	4.117	4.050	4.007

-Output Power (+Fin = 8GHz, 5dBm)

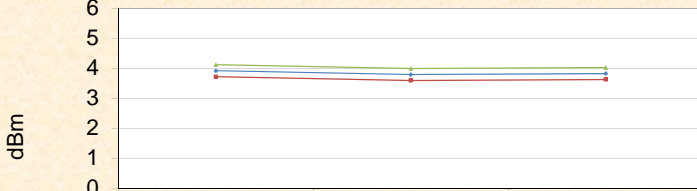
	0K	30k	24hr
Average	3.923	3.841	3.819
-3 Sigma	3.730	3.635	3.633
+3 Sigma	4.116	4.046	4.004

+Output Power (-Fin = 8GHz, 5dBm)

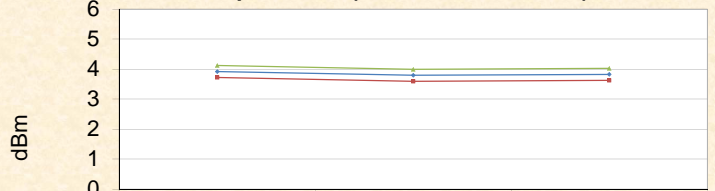
	0K	30k	24hr
Average	3.925	3.804	3.826
-3 Sigma	3.754	3.630	3.619
+3 Sigma	4.096	3.977	4.033

-Output Power (-Fin = 8GHz, 5dBm)

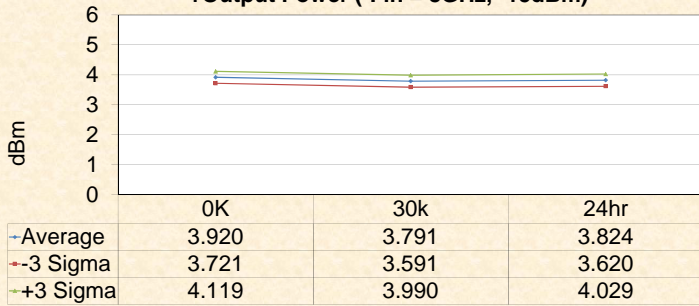
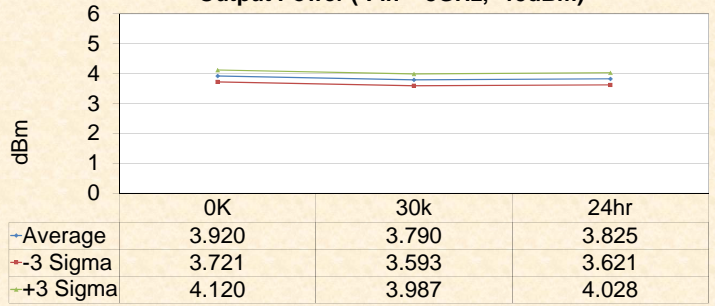
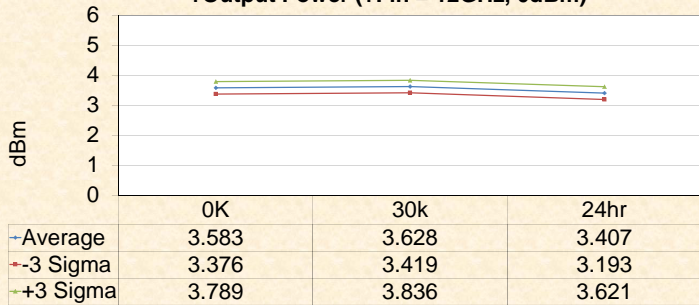
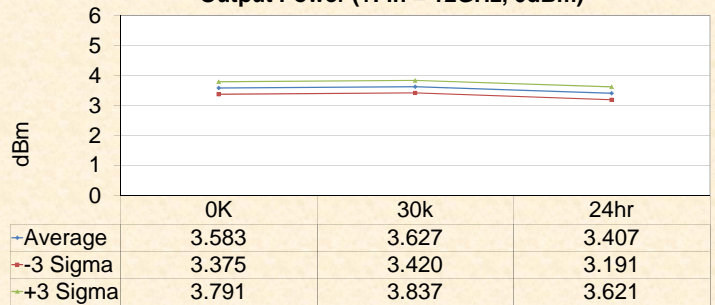
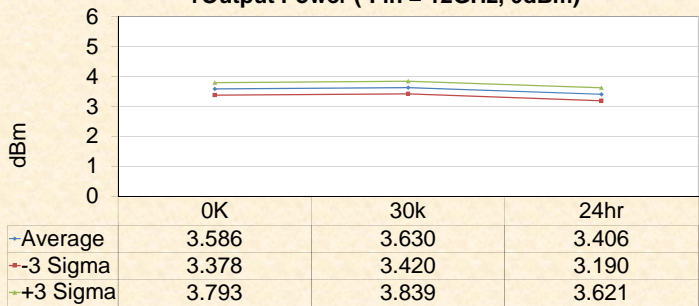
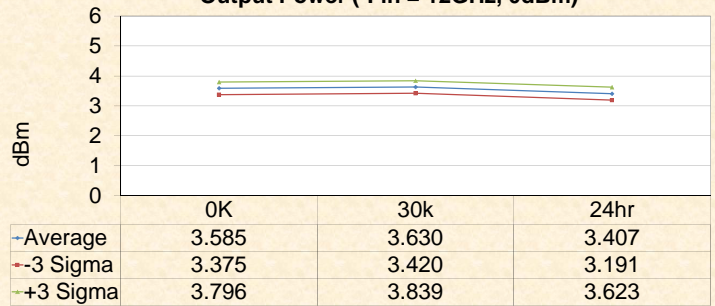
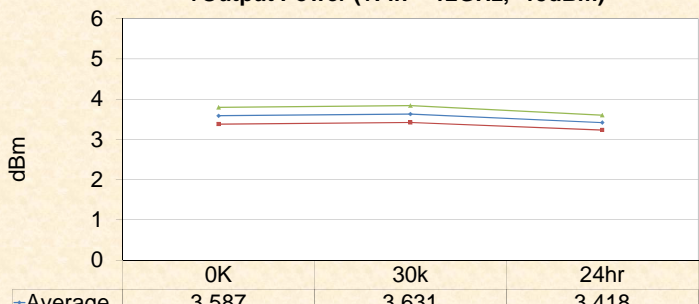
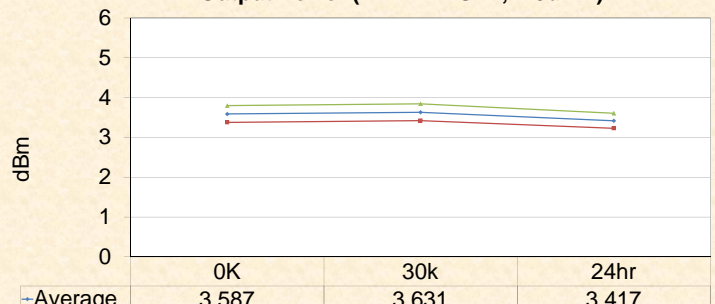
	0K	30k	24hr
Average	3.926	3.803	3.826
-3 Sigma	3.750	3.632	3.619
+3 Sigma	4.101	3.975	4.032

+Output Power (+Fin = 8GHz, -15dBm)

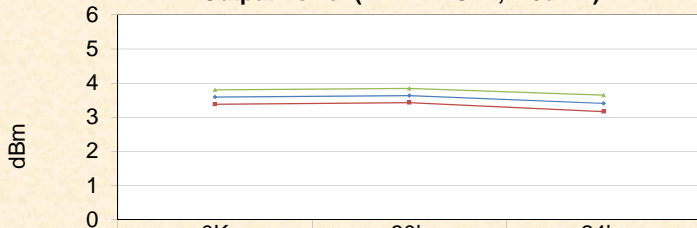
	0K	30k	24hr
Average	3.921	3.792	3.825
-3 Sigma	3.721	3.593	3.625
+3 Sigma	4.120	3.992	4.024

-Output Power (+Fin = 8GHz, -15dBm)

	0K	30k	24hr
Average	3.920	3.793	3.825
-3 Sigma	3.720	3.594	3.624
+3 Sigma	4.120	3.993	4.025

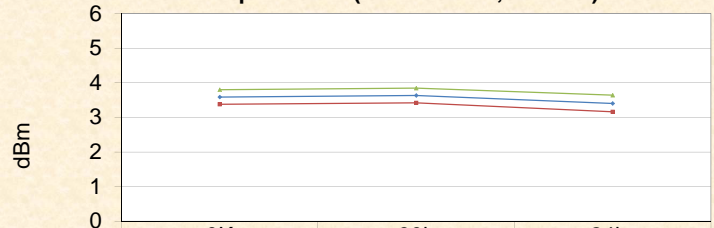
+Output Power (-Fin = 8GHz, -15dBm)**-Output Power (-Fin = 8GHz, -15dBm)****+Output Power (+Fin = 12GHz, 0dBm)****-Output Power (+Fin = 12GHz, 0dBm)****+Output Power (-Fin = 12GHz, 0dBm)****-Output Power (-Fin = 12GHz, 0dBm)****+Output Power (+Fin = 12GHz, -15dBm)****-Output Power (+Fin = 12GHz, -15dBm)**

+Output Power (-Fin = 12GHz, -15dBm)



	0K	30k	24hr
Average	3.587	3.632	3.403
-3 Sigma	3.377	3.422	3.164
+3 Sigma	3.797	3.841	3.643

-Output Power (-Fin = 12GHz, -15dBm)



	0K	30k	24hr
Average	3.587	3.632	3.403
-3 Sigma	3.377	3.420	3.163
+3 Sigma	3.797	3.843	3.643

	SN	Dynamic Supply Current Vdd = 5V		Quiescent Supply Current Vdd = 5V	
		0K	10k	0K	10k
CTRL	5	85.943	86.021	85.903	85.987
	3	86.039	85.998	86.021	85.974
	4	86.036	86.003	86.005	85.945
	7	85.903	85.894	85.888	85.884
	8	85.951	85.946	85.896	85.864
min		85.903	85.894	85.888	85.864
max		86.039	86.003	86.021	85.974
mean		85.982	85.960	85.953	85.917
std. dev		0.067	0.051	0.070	0.051
mean - 3 sigma		85.782	85.807	85.742	85.763
mean +3 sigma		86.183	86.114	86.163	86.071

	SN	+Output Power (+Fin = 1GHz, 10dBm)		-Output Power (+Fin = 1GHz, 10dBm)	
		0K	10k	0K	10k
CTRL	5	4.481	4.535	4.477	4.531
	3	4.488	4.51	4.484	4.506
	4	4.504	4.521	4.5	4.517
	7	4.502	4.534	4.498	4.532
	8	4.491	4.522	4.486	4.517
min		4.488	4.510	4.484	4.506
max		4.504	4.534	4.500	4.532
mean		4.496	4.522	4.492	4.518
std. dev		0.008	0.010	0.008	0.011
mean - 3 sigma		4.472	4.492	4.468	4.486
mean +3 sigma		4.520	4.551	4.516	4.550

	SN	+Output Power (-Fin = 1GHz, 10dBm)		-Output Power (-Fin = 1GHz, 10dBm)	
		0K	10k	0K	10k
CTRL	5	4.467	4.521	4.464	4.518
	3	4.473	4.495	4.469	4.492
	4	4.49	4.509	4.487	4.505
	7	4.488	4.521	4.486	4.518
	8	4.476	4.507	4.474	4.506
min		4.473	4.495	4.469	4.492
max		4.490	4.521	4.487	4.518
mean		4.482	4.508	4.479	4.505
std. dev		0.009	0.011	0.009	0.011
mean - 3 sigma		4.456	4.476	4.452	4.473
mean +3 sigma		4.507	4.540	4.506	4.537

	SN	+Output Power (+Fin = 1GHz, -15dBm)		-Output Power (+Fin = 1GHz, -15dBm)	
		0K	10k	0K	10k
CTRL	5	4.465	4.52	4.466	4.518
	3	4.471	4.493	4.47	4.493
	4	4.488	4.505	4.485	4.505
	7	4.487	4.52	4.486	4.518
	8	4.477	4.509	4.476	4.509
min		4.471	4.493	4.470	4.493
max		4.488	4.520	4.486	4.518
mean		4.481	4.507	4.479	4.506
std. dev		0.008	0.011	0.008	0.010
mean - 3 sigma		4.456	4.473	4.456	4.475
mean +3 sigma		4.505	4.540	4.502	4.537

	SN	+Output Power (-Fin = 1GHz, -15dBm)		-Output Power (-Fin = 1GHz, -15dBm)	
		0K	10k	0K	10k
CTRL	5	4.465	4.519	4.464	4.517
	3	4.47	4.494	4.47	4.492
	4	4.485	4.504	4.485	4.505
	7	4.485	4.519	4.485	4.518
	8	4.476	4.507	4.476	4.507
min		4.470	4.494	4.470	4.492
max		4.485	4.519	4.485	4.518
mean		4.479	4.506	4.479	4.506
std. dev		0.007	0.010	0.007	0.011
mean - 3 sigma		4.457	4.475	4.457	4.474
mean +3 sigma		4.501	4.537	4.501	4.537

	SN	+Output Power (+Fin = 3GHz, 10dBm)		-Output Power (+Fin = 3GHz, 10dBm)	
		0K	10k	0K	10k
CTRL	5	4.158	4.205	4.156	4.204
	3	4.166	4.185	4.166	4.183
	4	4.18	4.193	4.177	4.192
	7	4.177	4.204	4.176	4.203
	8	4.168	4.194	4.167	4.193
min		4.166	4.185	4.166	4.183
max		4.180	4.204	4.177	4.203
mean		4.173	4.194	4.172	4.193
std. dev		0.007	0.008	0.006	0.008
mean - 3 sigma		4.152	4.171	4.154	4.168
mean +3 sigma		4.193	4.217	4.189	4.217

	SN	+Output Power (-Fin = 3GHz, 10dBm)		-Output Power (-Fin = 3GHz, 10dBm)	
		0K	10k	0K	10k
CTRL	5	4.176	4.223	4.175	4.222
	3	4.185	4.202	4.185	4.201
	4	4.198	4.21	4.197	4.208
	7	4.195	4.222	4.195	4.219
	8	4.186	4.211	4.186	4.211
min		4.185	4.202	4.185	4.201
max		4.198	4.222	4.197	4.219
mean		4.191	4.211	4.191	4.210
std. dev		0.006	0.008	0.006	0.007
mean - 3 sigma		4.172	4.187	4.172	4.187
mean +3 sigma		4.210	4.236	4.209	4.232

	SN	+Output Power (+Fin = 3GHz, -15dBm)		-Output Power (+Fin = 3GHz, -15dBm)	
		0K	10k	0K	10k
CTRL	5	4.178	4.226	4.178	4.226
	3	4.189	4.205	4.188	4.206
	4	4.201	4.212	4.2	4.213
	7	4.197	4.224	4.199	4.224
	8	4.191	4.216	4.19	4.216
min		4.189	4.205	4.188	4.206
max		4.201	4.224	4.200	4.224
mean		4.195	4.214	4.194	4.215
std. dev		0.006	0.008	0.006	0.007
mean - 3 sigma		4.178	4.190	4.176	4.192
mean +3 sigma		4.211	4.238	4.213	4.237

	SN	+Output Power (-Fin = 3GHz, -15dBm)		-Output Power (-Fin = 3GHz, -15dBm)	
		0K	10k	0K	10k
CTRL	5	4.18	4.228	4.18	4.227
	3	4.19	4.207	4.19	4.208
	4	4.201	4.214	4.202	4.214
	7	4.199	4.226	4.2	4.225
	8	4.192	4.217	4.192	4.217
min		4.190	4.207	4.190	4.208
max		4.201	4.226	4.202	4.225
mean		4.196	4.216	4.196	4.216
std. dev		0.005	0.008	0.006	0.007
mean - 3 sigma		4.180	4.192	4.178	4.195
mean +3 sigma		4.211	4.240	4.214	4.237

	SN	+Output Power (+Fin = 6GHz, 10dBm)		-Output Power (+Fin = 6GHz, 10dBm)	
		0K	10k	0K	10k
CTRL	5	3.902	3.959	3.899	3.959
	3	3.913	3.941	3.912	3.941
	4	3.928	3.948	3.925	3.947
	7	3.922	3.957	3.921	3.955
	8	3.917	3.953	3.915	3.952
min		3.913	3.941	3.912	3.941
max		3.928	3.957	3.925	3.955
mean		3.920	3.950	3.918	3.949
std. dev		0.006	0.007	0.006	0.006
mean - 3 sigma		3.901	3.929	3.901	3.930
mean +3 sigma		3.939	3.970	3.936	3.967

	SN	+Output Power (-Fin = 6GHz, 10dBm)		-Output Power (-Fin = 6GHz, 10dBm)	
		0K	10k	0K	10k
CTRL	5	3.969	4.022	3.956	4.021
	3	3.975	3.998	3.976	3.998
	4	3.996	4.017	3.995	4.017
	7	3.99	4.02	3.99	4.02
	8	3.98	4.012	3.949	4.01
min		3.975	3.998	3.949	3.998
max		3.996	4.020	3.995	4.020
mean		3.985	4.012	3.978	4.011
std. dev		0.010	0.010	0.021	0.010
mean - 3 sigma		3.957	3.983	3.916	3.982
mean +3 sigma		4.014	4.041	4.039	4.041

	SN	+Output Power (+Fin = 6GHz, -15dBm)		-Output Power (+Fin = 6GHz, -15dBm)	
		0K	10k	0K	10k
CTRL	5	4.11	4.015	4.112	4.016
	3	3.956	3.995	4.118	3.996
	4	3.892	4.009	4.13	4.009
	7	3.844	4.014	4.124	4.015
	8	4.12	4.009	4.122	4.009
min		3.844	3.995	4.118	3.996
max		4.120	4.014	4.130	4.015
mean		3.953	4.007	4.124	4.007
std. dev		0.120	0.008	0.005	0.008
mean - 3 sigma		3.592	3.982	4.109	3.983
mean +3 sigma		4.314	4.031	4.139	4.031

	SN	+Output Power (-Fin = 6GHz, -15dBm)		-Output Power (-Fin = 6GHz, -15dBm)	
		0K	10k	0K	10k
CTRL	5	4.116	4.02	4.118	4.02
	3	3.98	3.999	4.122	3.999
	4	4.135	4.014	4.135	4.013
	7	4.128	4.018	4.13	4.018
	8	4.125	4.014	4.127	4.013
min		3.980	3.999	4.122	3.999
max		4.135	4.018	4.135	4.018
mean		4.092	4.011	4.129	4.011
std. dev		0.075	0.008	0.005	0.008
mean - 3 sigma		3.868	3.986	4.112	3.986
mean +3 sigma		4.316	4.036	4.145	4.035

	SN	+Output Power (+Fin = 8GHz, 5dBm)		-Output Power (+Fin = 8GHz, 5dBm)	
		0K	10k	0K	10k
CTRL	5	3.922	3.822	3.921	3.821
	3	3.924	3.779	3.923	3.779
	4	3.935	3.793	3.935	3.792
	7	3.918	3.815	3.918	3.815
	8	3.927	3.827	3.926	3.828
min		3.918	3.779	3.918	3.779
max		3.935	3.827	3.935	3.828
mean		3.926	3.804	3.926	3.804
std. dev		0.007	0.022	0.007	0.022
mean - 3 sigma		3.905	3.739	3.904	3.737
mean +3 sigma		3.947	3.868	3.947	3.870

	SN	+Output Power (-Fin = 8GHz, 5dBm)		-Output Power (-Fin = 8GHz, 5dBm)	
		0K	10k	0K	10k
CTRL	5	3.948	3.791	3.947	3.792
	3	3.928	3.779	3.927	3.778
	4	3.935	3.81	3.933	3.81
	7	3.93	3.789	3.93	3.789
	8	3.926	3.791	3.924	3.79
min		3.926	3.779	3.924	3.778
max		3.935	3.810	3.933	3.810
mean		3.930	3.792	3.929	3.792
std. dev		0.004	0.013	0.004	0.013
mean - 3 sigma		3.918	3.753	3.917	3.752
mean +3 sigma		3.941	3.831	3.940	3.832

	SN	+Output Power (+Fin = 8GHz, -15dBm)		-Output Power (+Fin = 8GHz, -15dBm)	
		0K	10k	0K	10k
CTRL	5	3.916	3.8	3.917	3.8
	3	3.915	3.78	3.915	3.781
	4	3.928	3.802	3.929	3.802
	7	3.92	3.798	3.92	3.799
	8	3.923	3.799	3.924	3.799
min		3.915	3.780	3.915	3.781
max		3.928	3.802	3.929	3.802
mean		3.922	3.795	3.922	3.795
std. dev		0.005	0.010	0.006	0.010
mean - 3 sigma		3.905	3.765	3.904	3.766
mean +3 sigma		3.938	3.825	3.940	3.824

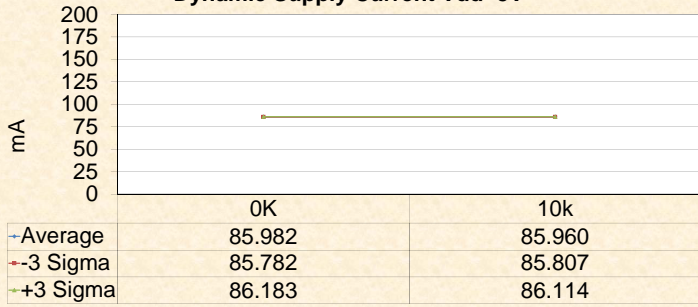
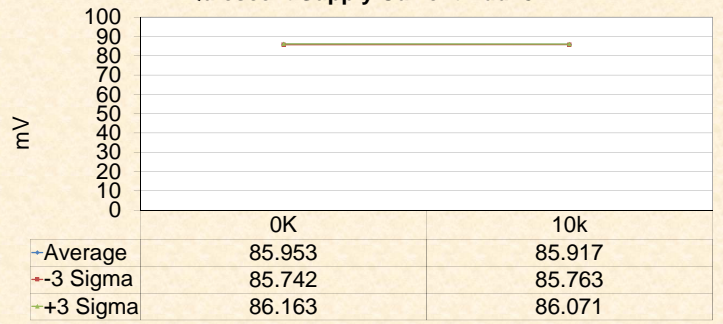
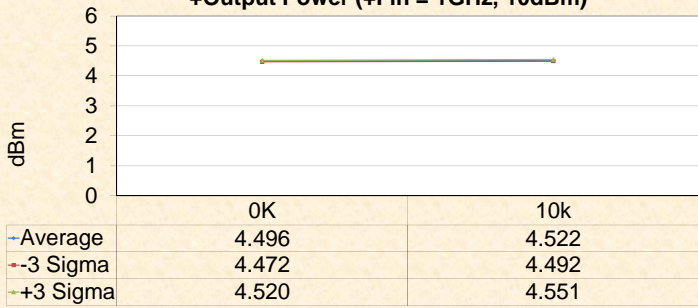
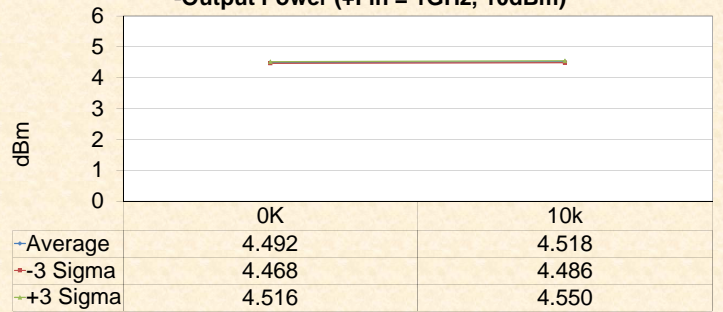
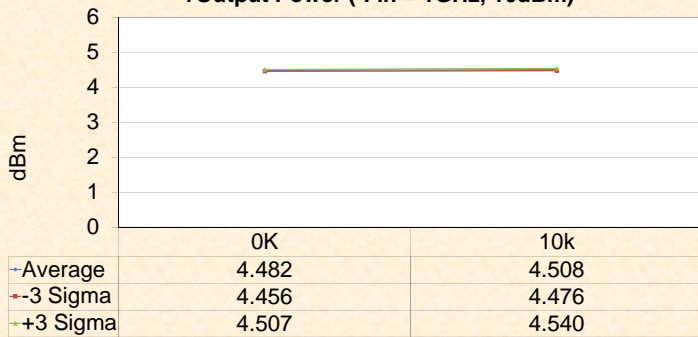
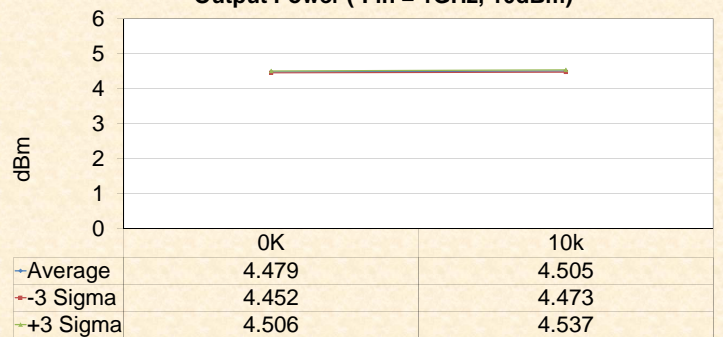
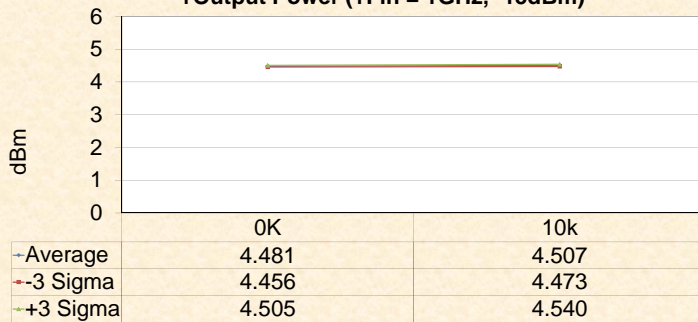
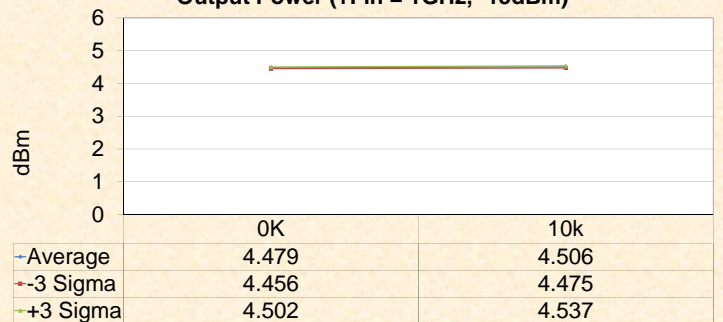
	SN	+Output Power (-Fin = 8GHz, -15dBm)		-Output Power (-Fin = 8GHz, -15dBm)	
		0K	10k	0K	10k
CTRL	5	3.917	3.798	3.917	3.797
	3	3.916	3.781	3.915	3.781
	4	3.928	3.803	3.928	3.803
	7	3.921	3.797	3.921	3.796
	8	3.922	3.797	3.922	3.797
min		3.916	3.781	3.915	3.781
max		3.928	3.803	3.928	3.803
mean		3.922	3.795	3.922	3.794
std. dev		0.005	0.009	0.005	0.009
mean - 3 sigma		3.907	3.766	3.906	3.766
mean +3 sigma		3.937	3.823	3.937	3.822

	SN	+Output Power (+Fin = 12GHz, 0dBm)		-Output Power (+Fin = 12GHz, 0dBm)	
		0K	10k	0K	10k
CTRL	5	3.588	3.377	3.589	3.535
	3	3.576	3.332	3.576	3.624
	4	3.592	3.653	3.592	3.653
	7	3.586	3.638	3.586	3.638
	8	3.591	3.64	3.591	3.641
min		3.576	3.332	3.576	3.624
max		3.592	3.653	3.592	3.653
mean		3.586	3.566	3.586	3.639
std. dev		0.007	0.156	0.007	0.012
mean - 3 sigma		3.564	3.098	3.564	3.603
mean +3 sigma		3.608	4.034	3.608	3.675

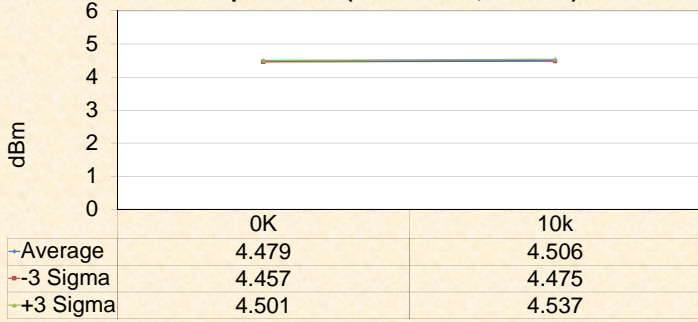
	SN	+Output Power (-Fin = 12GHz, 0dBm)		-Output Power (-Fin = 12GHz, 0dBm)	
		0K	10k	0K	10k
CTRL	5	3.589	3.356	3.59	3.656
	3	3.579	3.625	3.58	3.628
	4	3.596	3.657	3.596	3.657
	7	3.587	3.64	3.588	3.64
	8	3.595	3.643	3.594	3.644
min		3.579	3.625	3.580	3.628
max		3.596	3.657	3.596	3.657
mean		3.589	3.641	3.590	3.642
std. dev		0.008	0.013	0.007	0.012
mean - 3 sigma		3.565	3.602	3.568	3.606
mean +3 sigma		3.613	3.681	3.611	3.678

	SN	+Output Power (+Fin = 12GHz, -15dBm)		-Output Power (+Fin = 12GHz, -15dBm)	
		0K	10k	0K	10k
CTRL	5	3.592	3.656	3.592	3.657
	3	3.581	3.628	3.581	3.628
	4	3.597	3.655	3.598	3.657
	7	3.59	3.642	3.589	3.641
	8	3.596	3.644	3.594	3.644
min		3.581	3.628	3.581	3.628
max		3.597	3.655	3.598	3.657
mean		3.591	3.642	3.591	3.643
std. dev		0.007	0.011	0.007	0.012
mean - 3 sigma		3.569	3.609	3.569	3.607
mean +3 sigma		3.613	3.676	3.612	3.678

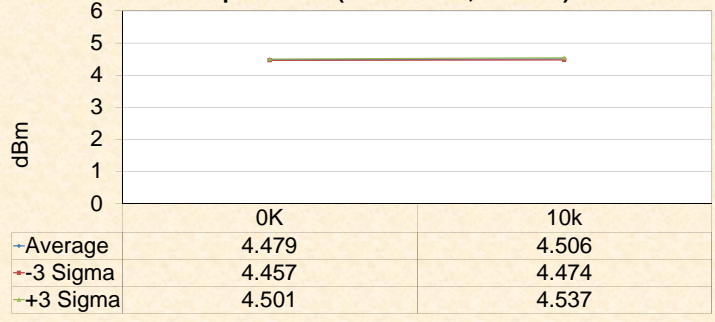
	SN	+Output Power (-Fin = 12GHz, -15dBm)		-Output Power (-Fin = 12GHz, -15dBm)	
		0K	10k	0K	10k
CTRL	5	3.593	3.658	3.592	3.657
	3	3.582	3.63	3.582	3.627
	4	3.598	3.658	3.597	3.657
	7	3.589	3.64	3.589	3.64
	8	3.597	3.644	3.595	3.644
min		3.582	3.630	3.582	3.627
max		3.598	3.658	3.597	3.657
mean		3.592	3.643	3.591	3.642
std. dev		0.008	0.012	0.007	0.012
mean - 3 sigma		3.569	3.608	3.570	3.605
mean +3 sigma		3.614	3.678	3.611	3.679

Dynamic Supply Current Vdd=5V**Quiescent Supply Current Vdd=5V****+Output Power (+Fin = 1GHz, 10dBm)****-Output Power (+Fin = 1GHz, 10dBm)****+Output Power (-Fin = 1GHz, 10dBm)****-Output Power (-Fin = 1GHz, 10dBm)****+Output Power (+Fin = 1GHz, -15dBm)****-Output Power (+Fin = 1GHz, -15dBm)**

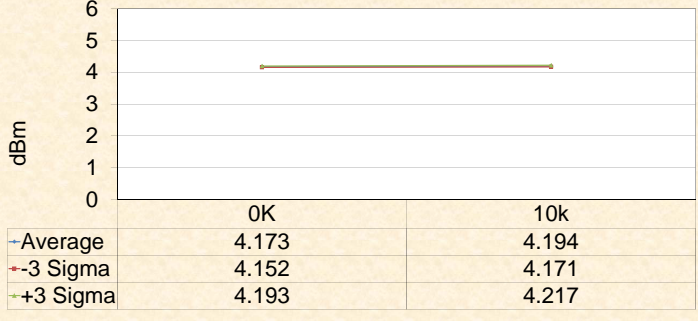
+Output Power (-Fin = 1GHz, -15dBm)



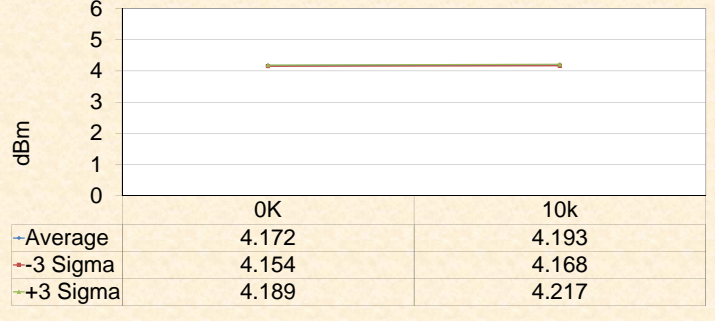
-Output Power (-Fin = 1GHz, -15dBm)



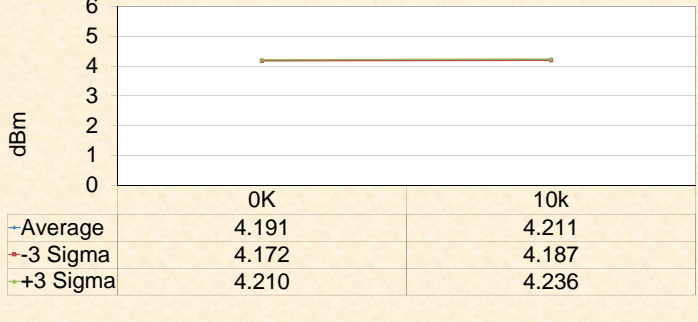
+Output Power (+Fin = 3GHz, 10dBm)



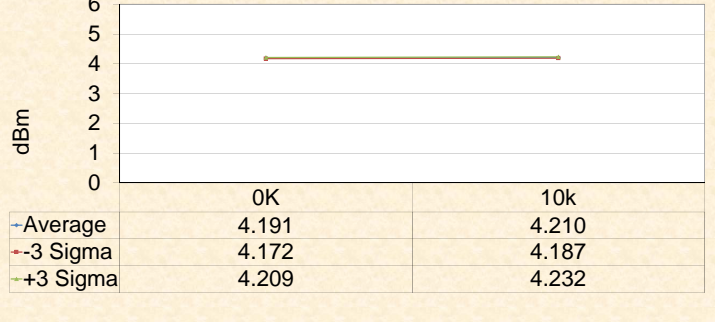
-Output Power (+Fin = 3GHz, 10dBm)



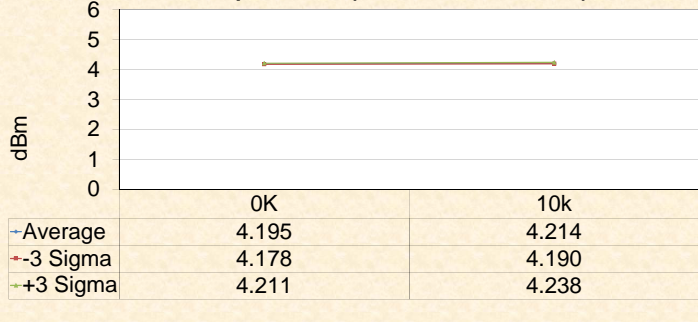
+Output Power (-Fin = 3GHz, 10dBm)



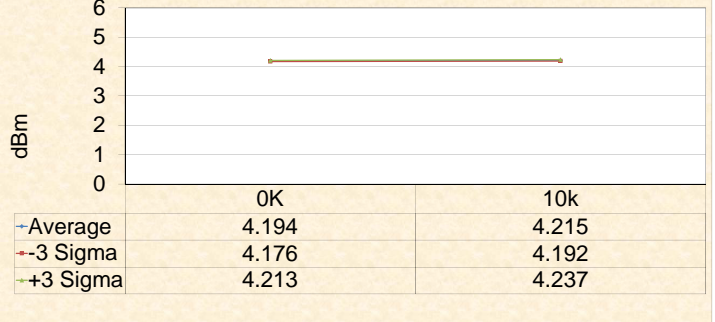
-Output Power (-Fin = 3GHz, 10dBm)

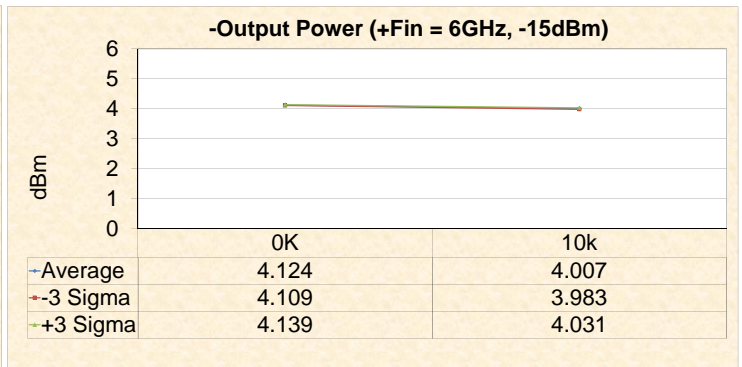
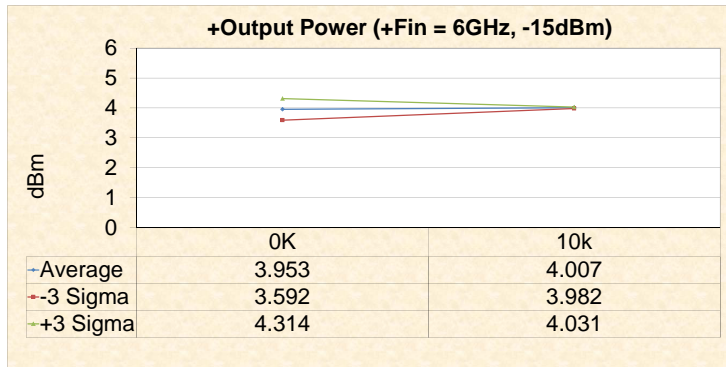
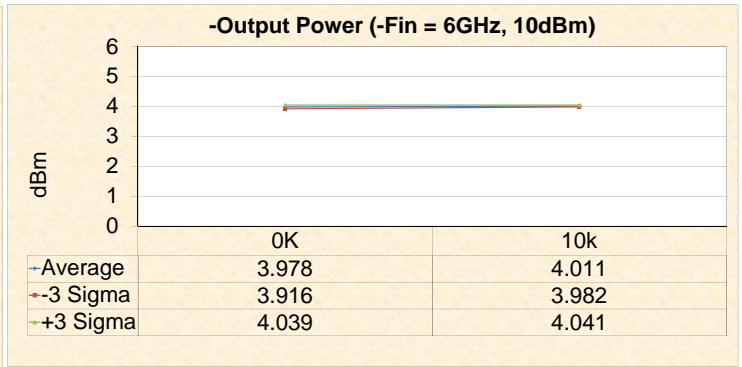
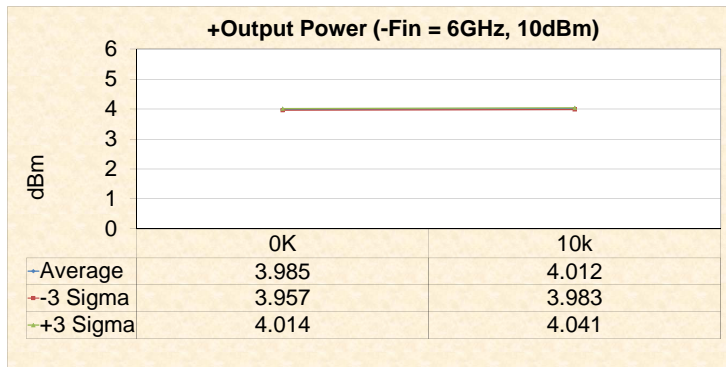
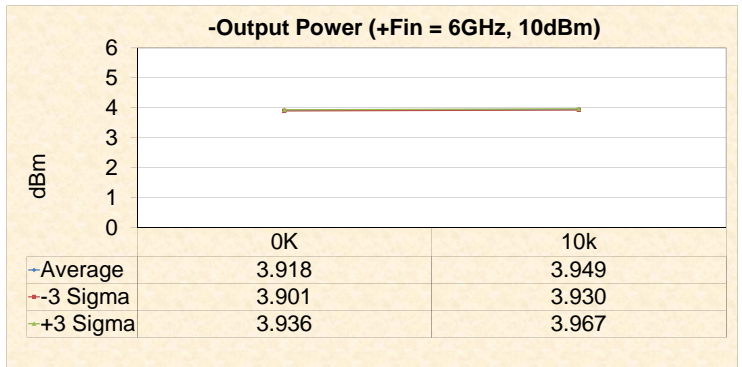
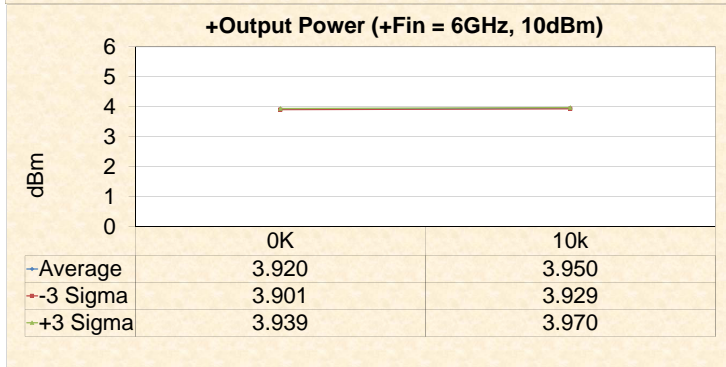
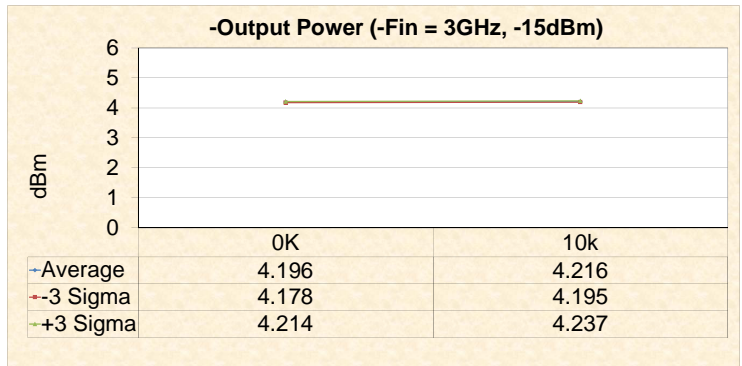
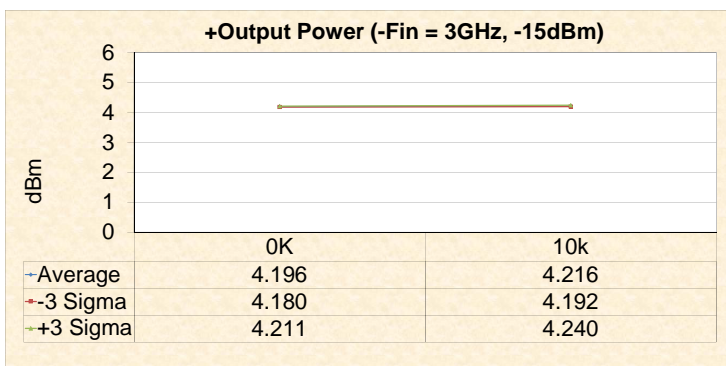


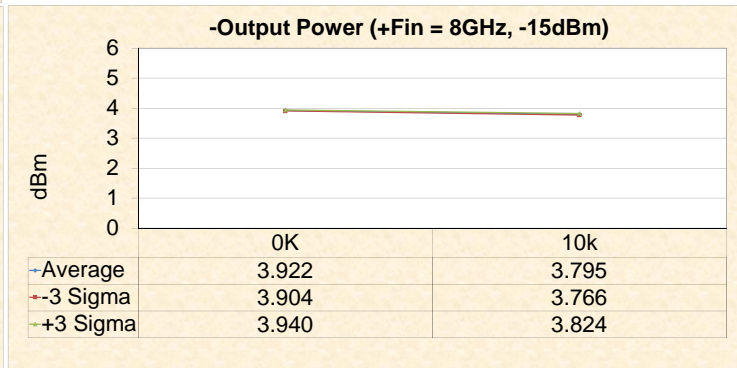
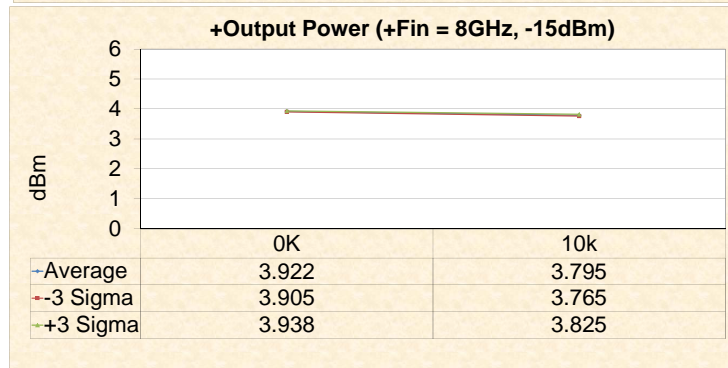
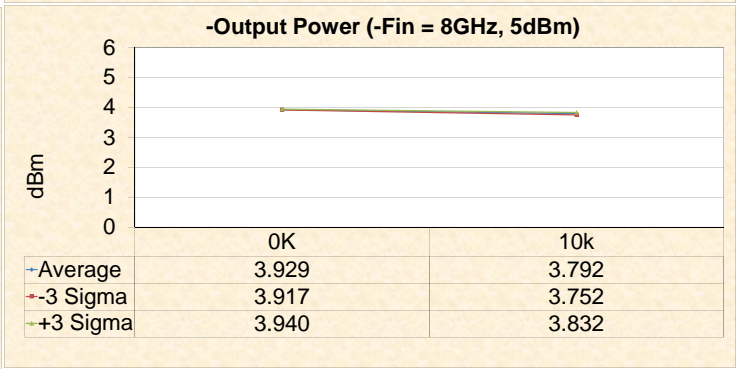
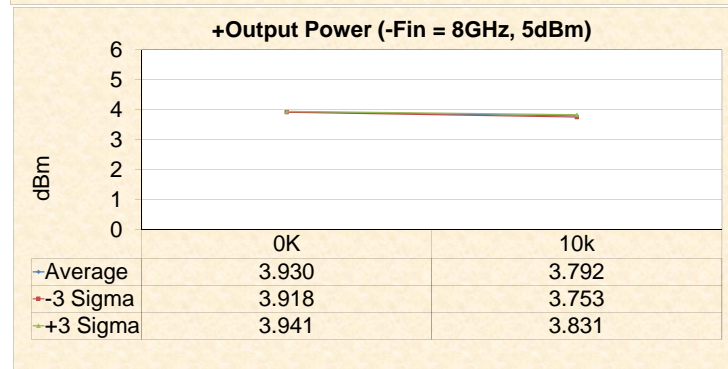
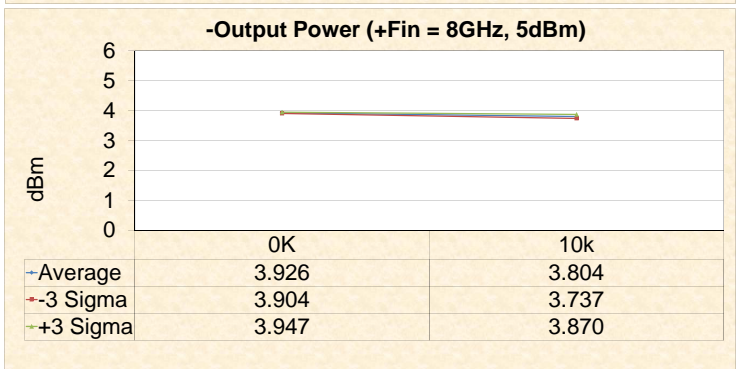
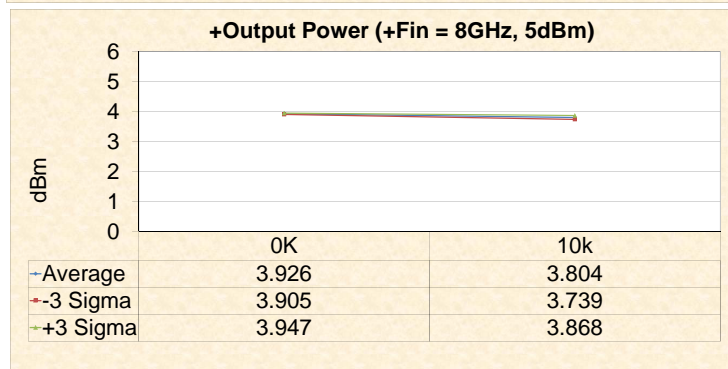
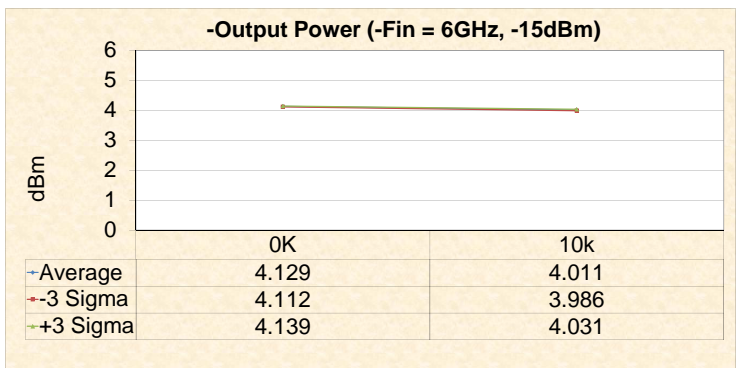
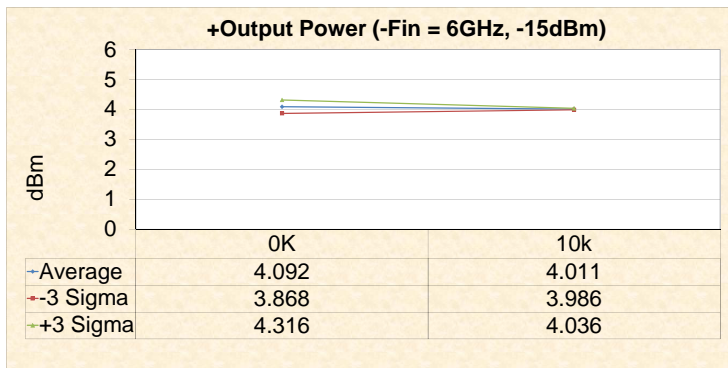
+Output Power (+Fin = 3GHz, -15dBm)

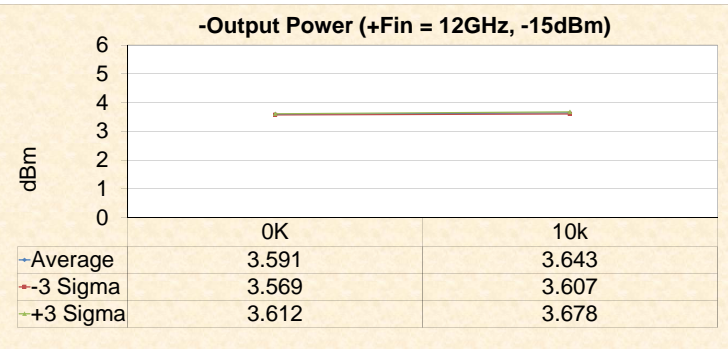
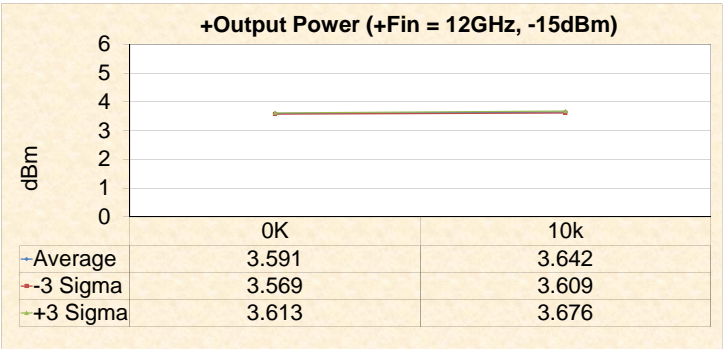
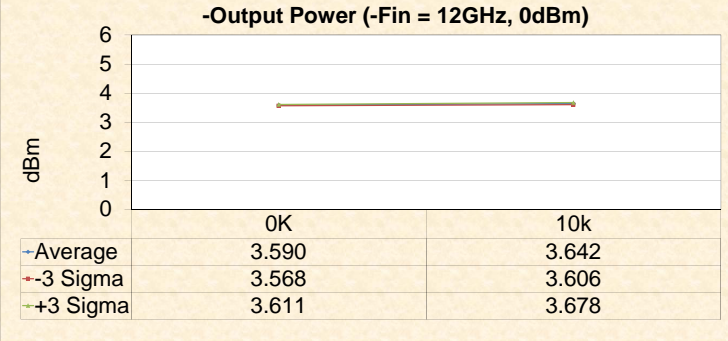
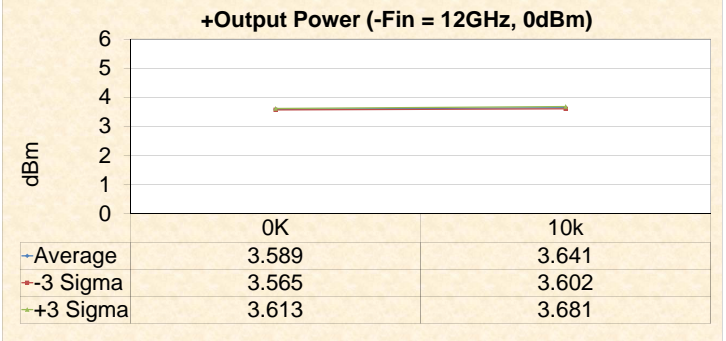
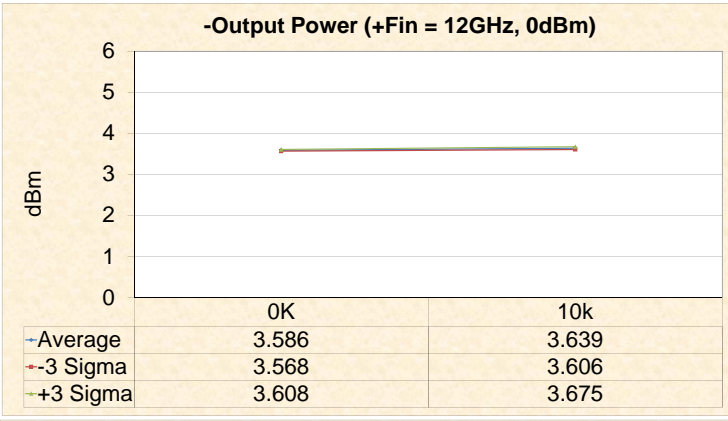
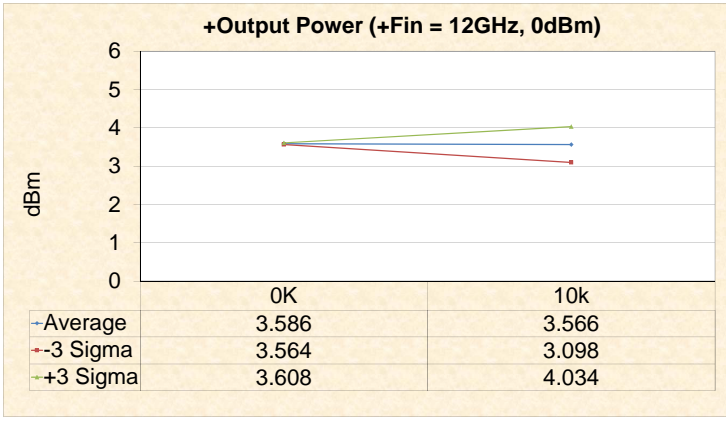
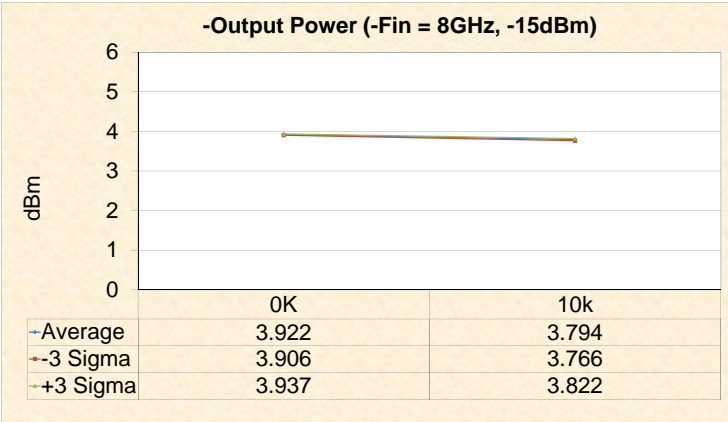
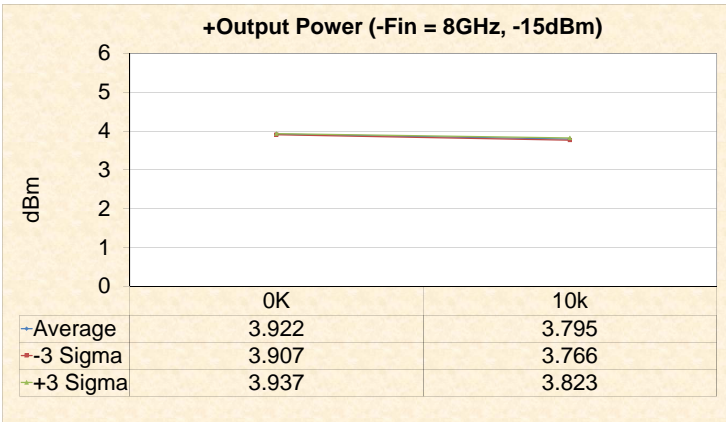


-Output Power (+Fin = 3GHz, -15dBm)

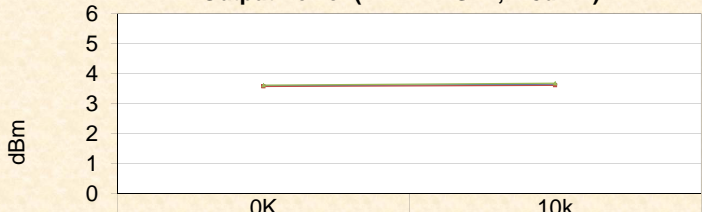






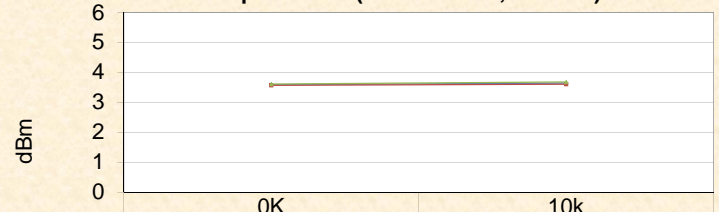


+Output Power (-Fin = 12GHz, -15dBm)



	0K	10k
Average	3.592	3.643
-3 Sigma	3.569	3.608
+3 Sigma	3.614	3.678

-Output Power (-Fin = 12GHz, -15dBm)



	0K	10k
Average	3.591	3.642
-3 Sigma	3.570	3.605
+3 Sigma	3.611	3.679