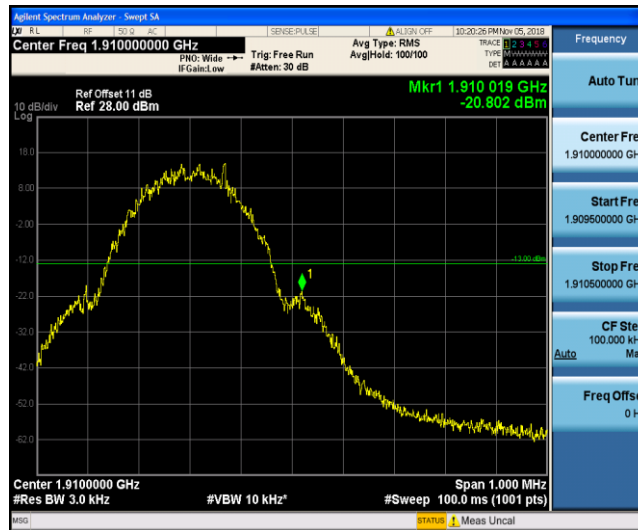
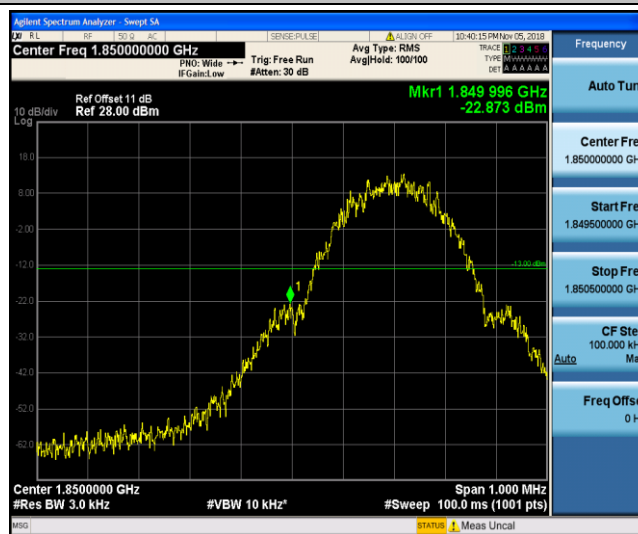


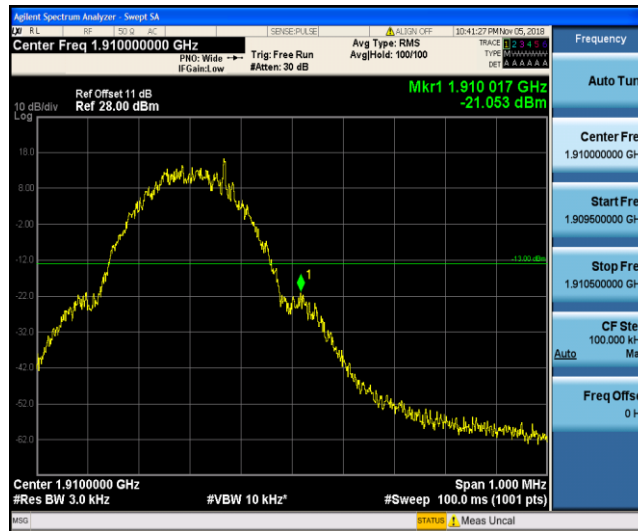
GSM1900_512



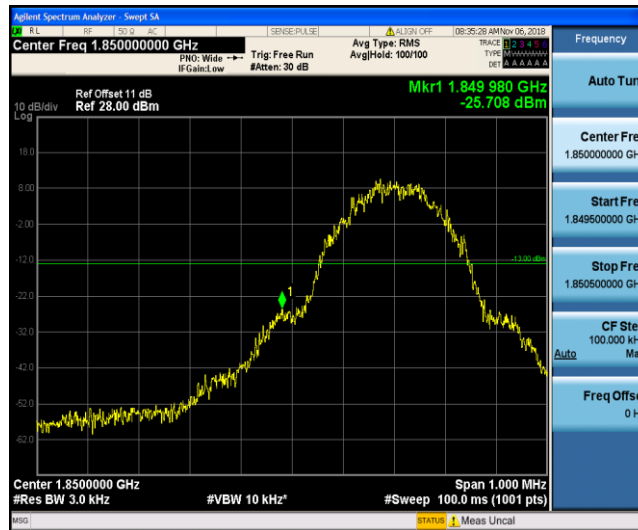
GSM1900_810



GPRS1900_512



GPRS1900_810



EGPRS1900_512



EGPRS1900_810



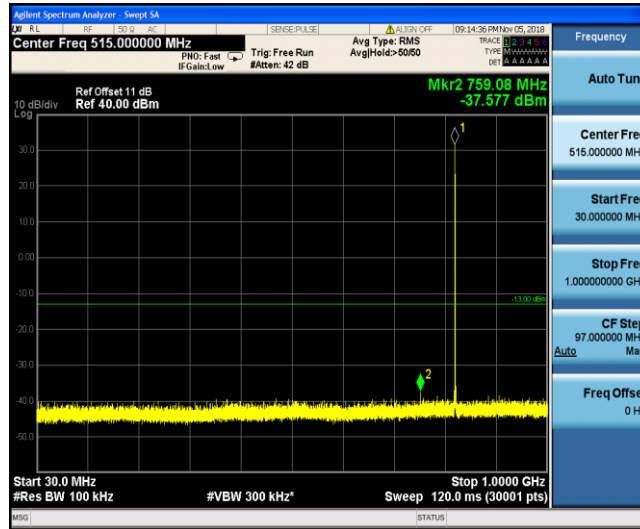
8.5 Appendix E: Conducted Spurious Emission

Test Result

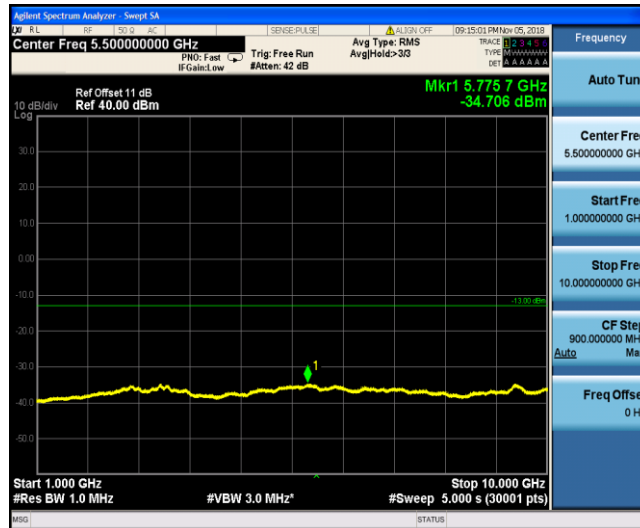
Band	Channel	Frequency Rang(Mhz)	Value(dBm)	Limit(dBm)	Verdict
GSM850	128	30~1000	-37.58	-13	PASS
GSM850	128	1000~10000	-34.71	-13	PASS
GSM850	190	30~1000	-38.35	-13	PASS
GSM850	190	1000~10000	-34.74	-13	PASS
GSM850	251	30~1000	-38.60	-13	PASS
GSM850	251	1000~10000	-34.63	-13	PASS
GPRS850	128	30~1000	-38.54	-13	PASS
GPRS850	128	1000~10000	-34.66	-13	PASS
GPRS850	190	30~1000	-38.44	-13	PASS
GPRS850	190	1000~10000	-34.30	-13	PASS
GPRS850	251	30~1000	-37.57	-13	PASS
GPRS850	251	1000~10000	-34.72	-13	PASS
EGPRS850	128	30~1000	-37.93	-13	PASS
EGPRS850	128	1000~10000	-34.54	-13	PASS
EGPRS850	190	30~1000	-38.52	-13	PASS
EGPRS850	190	1000~10000	-34.60	-13	PASS
EGPRS850	251	30~1000	-38.35	-13	PASS
EGPRS850	251	1000~10000	-34.64	-13	PASS
GSM1900	512	30~1000	-38.35	-13	PASS
GSM1900	512	1000~20000	-27.93	-13	PASS
GSM1900	661	30~1000	-38.47	-13	PASS
GSM1900	661	1000~20000	-28.14	-13	PASS
GSM1900	810	30~1000	-38.49	-13	PASS
GSM1900	810	1000~20000	-28.03	-13	PASS
GPRS1900	512	30~1000	-37.48	-13	PASS
GPRS1900	512	1000~20000	-28.26	-13	PASS
GPRS1900	661	30~1000	-37.91	-13	PASS
GPRS1900	661	1000~20000	-28.06	-13	PASS
GPRS1900	810	30~1000	-37.98	-13	PASS
GPRS1900	810	1000~20000	-28.16	-13	PASS
EGPRS1900	512	30~1000	-38.38	-13	PASS
EGPRS1900	512	1000~20000	-27.90	-13	PASS
EGPRS1900	661	30~1000	-37.81	-13	PASS
EGPRS1900	661	1000~20000	-28.04	-13	PASS
EGPRS1900	810	30~1000	-38.59	-13	PASS
EGPRS1900	810	1000~20000	-28.28	-13	PASS



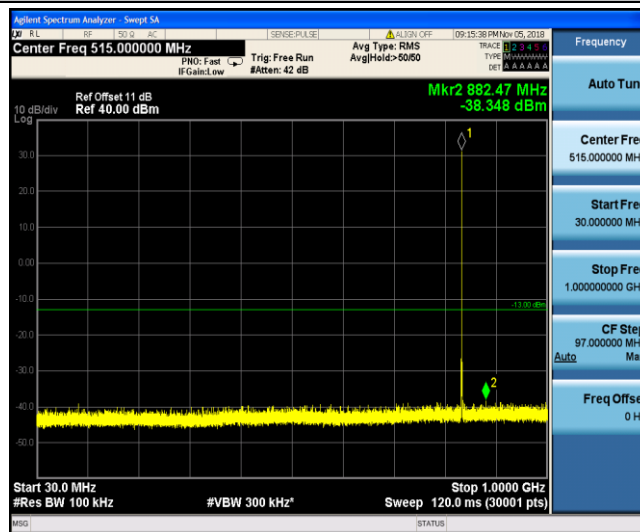
Test Graphs



GSM850_128



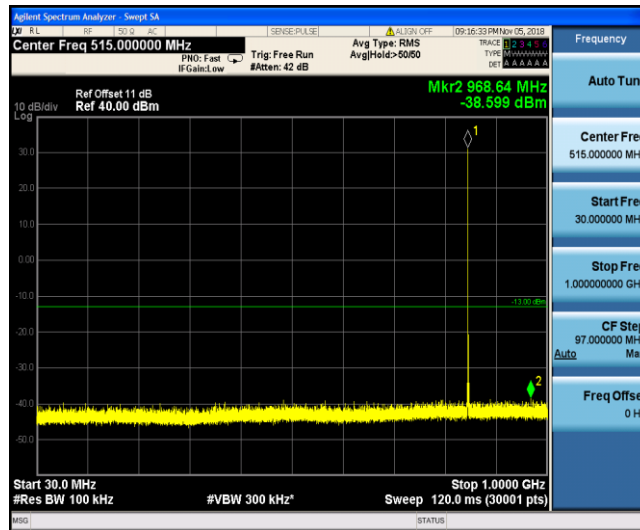
GSM850_128



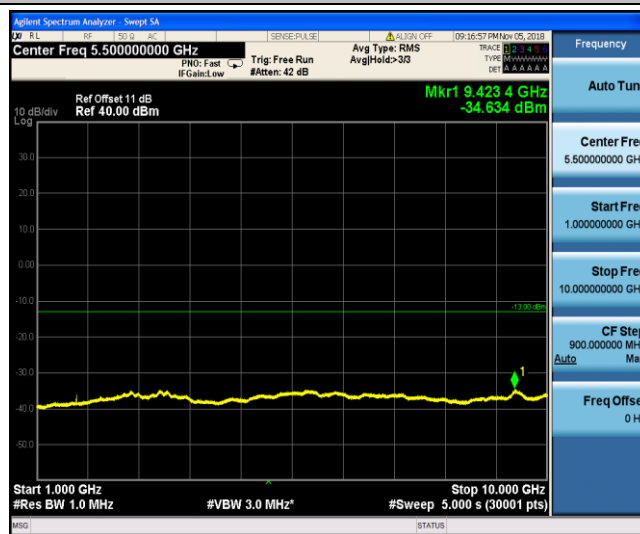
GSM850_190



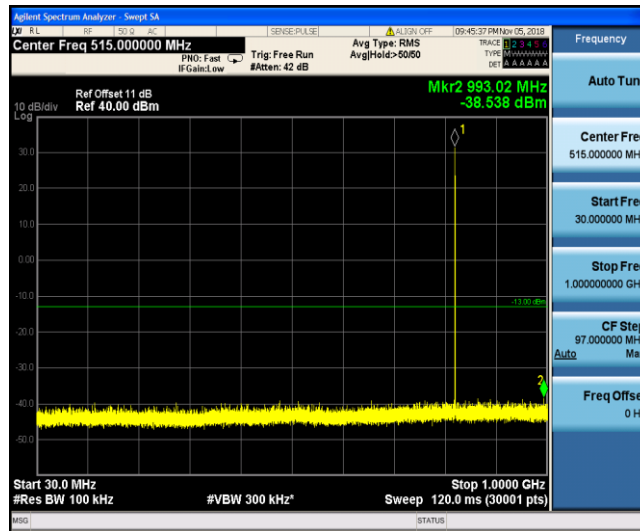
GSM850_190



GSM850_251



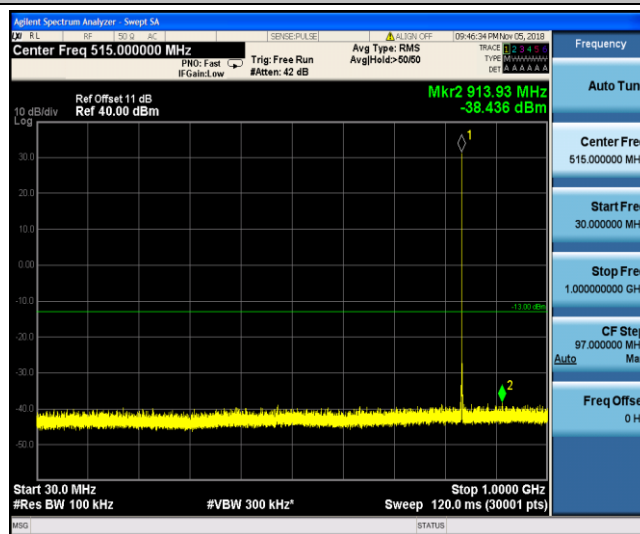
GSM850_251



GPRS850_128



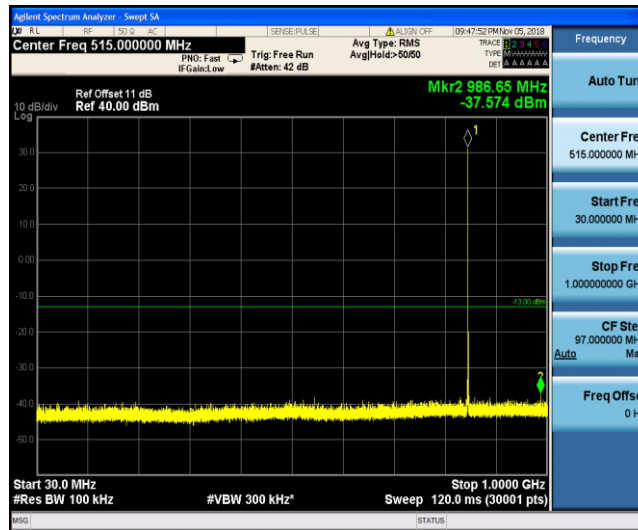
GPRS850_128



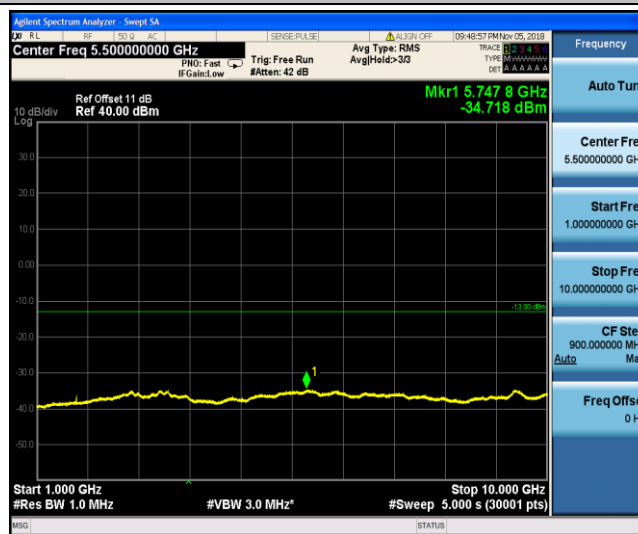
GPRS850_190



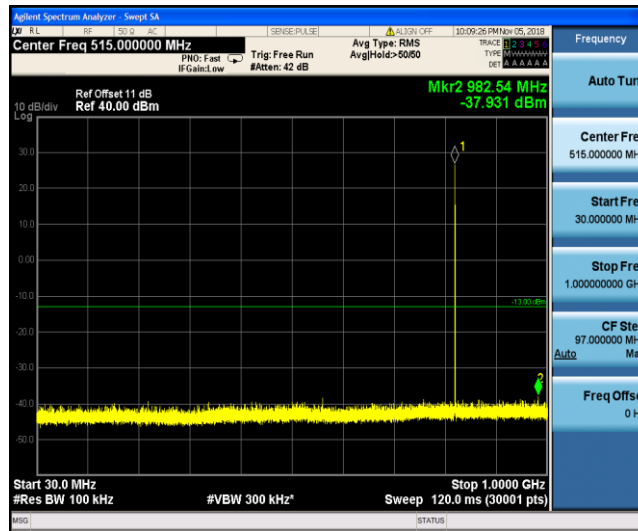
GPRS850_190



GPRS850_251



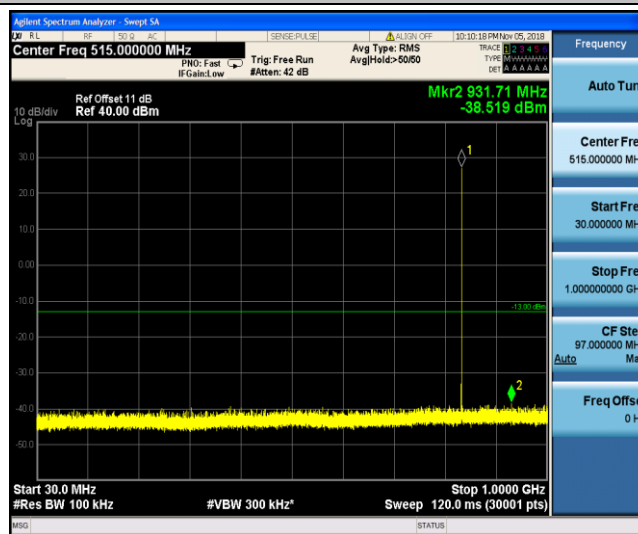
GPRS850_251



EGPRS850_128



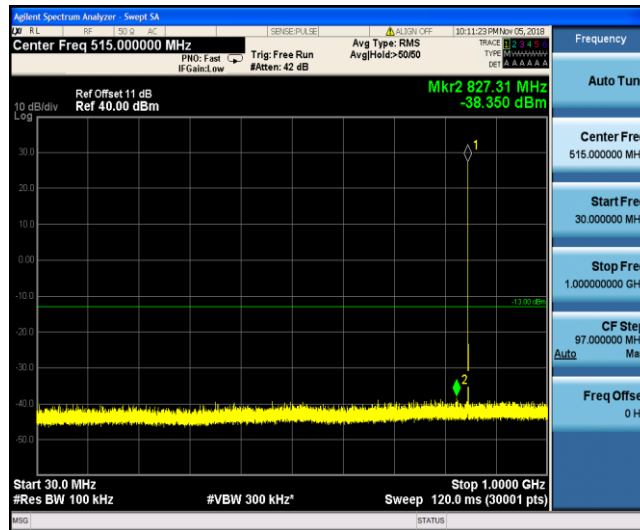
EGPRS850_128



EGPRS850_190



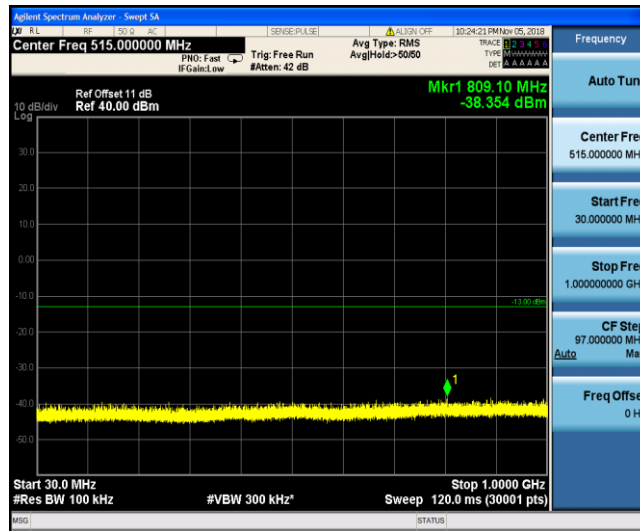
EGPRS850_190



EGPRS850_251



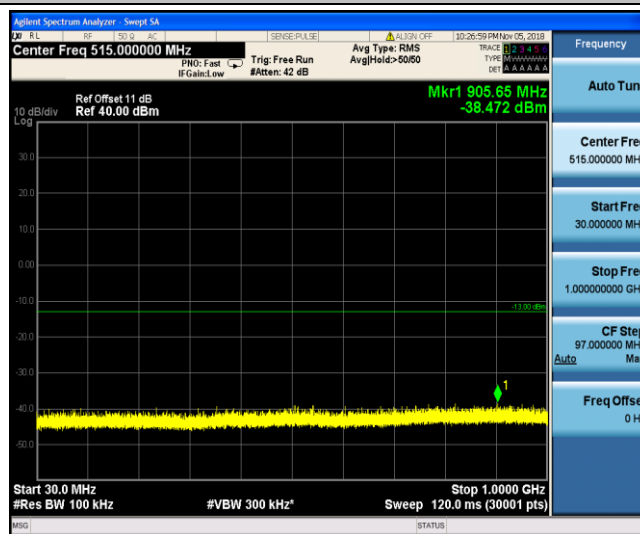
EGPRS850_251



GSM1900_512



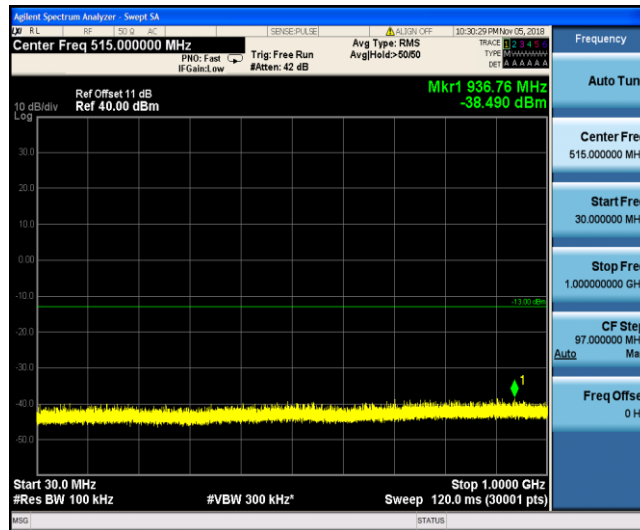
GSM1900_512



GSM1900_661



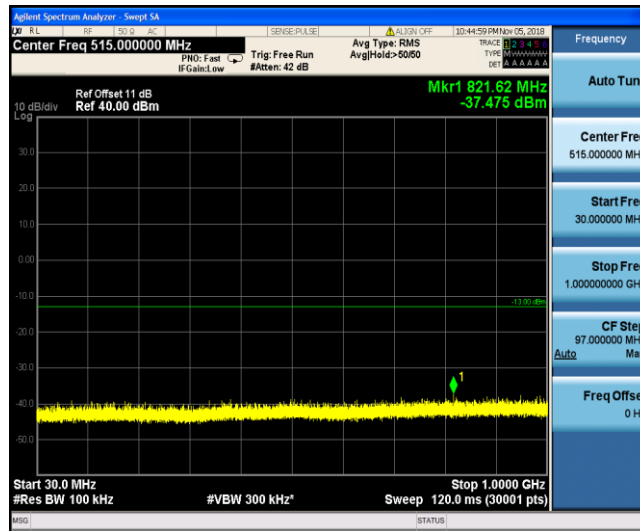
GSM1900_661



GSM1900_810



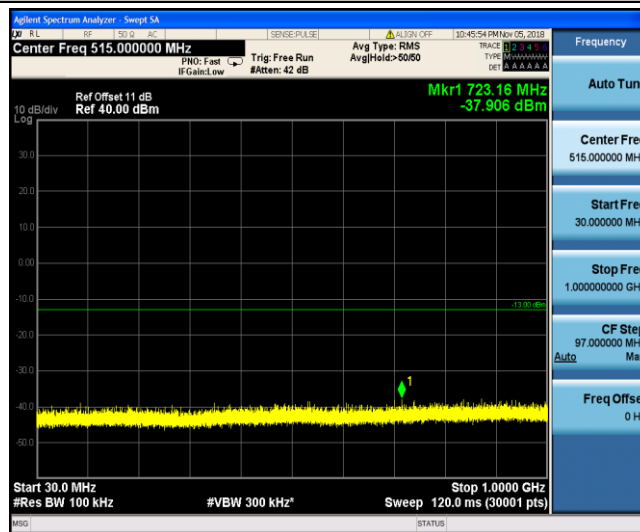
GSM1900_810



GPRS1900_512



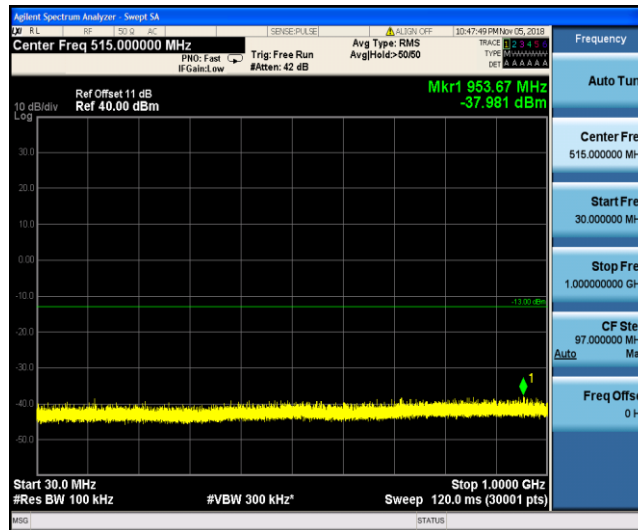
GPRS1900_512



GPRS1900_661



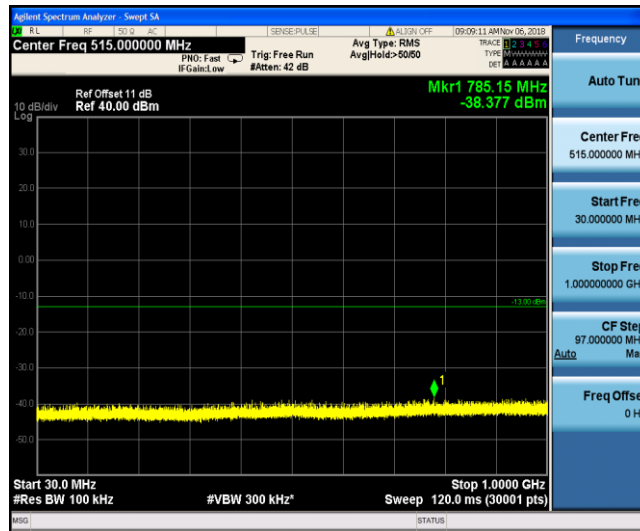
GPRS1900_661



GPRS1900_810



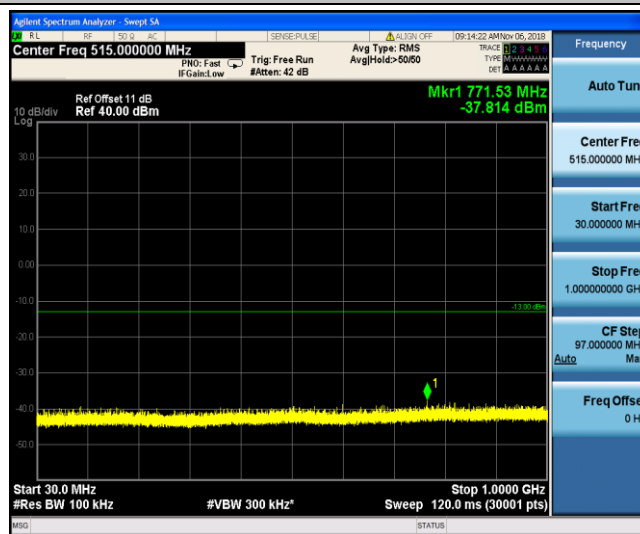
GPRS1900_810



EGPRS1900_512



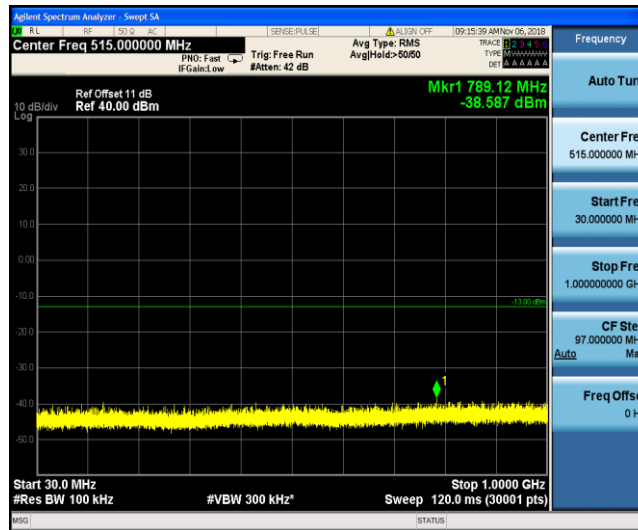
EGPRS1900_512



EGPRS1900_661



EGPRS1900_661



EGPRS1900_810



EGPRS1900_810

**8.6 Appendix F: Frequency Stability**

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	VL	TN	-6.01	-0.007286	2.5	PASS
GSM850	128	VN	TN	-6.75	-0.008187	2.5	PASS
GSM850	128	VH	TN	-6.52	-0.007913	2.5	PASS
GSM850	190	VL	TN	-9.27	-0.011076	2.5	PASS
GSM850	190	VN	TN	-8.14	-0.009725	2.5	PASS
GSM850	190	VH	TN	-9.46	-0.011307	2.5	PASS
GSM850	251	VL	TN	-10.88	-0.012818	2.5	PASS
GSM850	251	VN	TN	-14.66	-0.017269	2.5	PASS
GSM850	251	VH	TN	-8.23	-0.009699	2.5	PASS
GPRS850	128	VL	TN	-13.20	-0.016021	2.5	PASS
GPRS850	128	VN	TN	-5.13	-0.006228	2.5	PASS
GPRS850	128	VH	TN	-9.27	-0.011242	2.5	PASS
GPRS850	190	VL	TN	-7.39	-0.008838	2.5	PASS
GPRS850	190	VN	TN	-2.81	-0.003357	2.5	PASS
GPRS850	190	VH	TN	-7.20	-0.008606	2.5	PASS
GPRS850	251	VL	TN	-6.20	-0.007303	2.5	PASS
GPRS850	251	VN	TN	-3.03	-0.003575	2.5	PASS
GPRS850	251	VH	TN	-4.13	-0.004869	2.5	PASS
EGPRS850	128	VL	TN	-4.81	-0.005837	2.5	PASS
EGPRS850	128	VN	TN	-2.55	-0.003095	2.5	PASS
EGPRS850	128	VH	TN	-3.23	-0.003917	2.5	PASS
EGPRS850	190	VL	TN	-10.69	-0.012774	2.5	PASS
EGPRS850	190	VN	TN	-2.81	-0.003357	2.5	PASS
EGPRS850	190	VH	TN	-5.29	-0.006329	2.5	PASS
EGPRS850	251	VL	TN	-1.10	-0.001293	2.5	PASS
EGPRS850	251	VN	TN	-2.91	-0.003423	2.5	PASS
EGPRS850	251	VH	TN	-9.27	-0.010917	2.5	PASS
GSM1900	512	VL	TN	-1.84	-0.000995	2.5	PASS
GSM1900	512	VN	TN	-9.14	-0.004938	2.5	PASS
GSM1900	512	VH	TN	-12.62	-0.006823	2.5	PASS
GSM1900	661	VL	TN	-10.33	-0.005495	2.5	PASS
GSM1900	661	VN	TN	-8.04	-0.004276	2.5	PASS
GSM1900	661	VH	TN	-20.89	-0.011111	2.5	PASS
GSM1900	810	VL	TN	1.68	0.000879	2.5	PASS
GSM1900	810	VN	TN	-21.05	-0.011022	2.5	PASS
GSM1900	810	VH	TN	-5.55	-0.002908	2.5	PASS
GPRS1900	512	VL	TN	-8.36	-0.004520	2.5	PASS
GPRS1900	512	VN	TN	-19.98	-0.010802	2.5	PASS
GPRS1900	512	VH	TN	-17.69	-0.009563	2.5	PASS
GPRS1900	661	VL	TN	-21.53	-0.011455	2.5	PASS
GPRS1900	661	VN	TN	-19.40	-0.010321	2.5	PASS
GPRS1900	661	VH	TN	-12.24	-0.006509	2.5	PASS
GPRS1900	810	VL	TN	-14.98	-0.007844	2.5	PASS
GPRS1900	810	VN	TN	-11.98	-0.006272	2.5	PASS
GPRS1900	810	VH	TN	-11.46	-0.006001	2.5	PASS
EGPRS1900	512	VL	TN	-24.70	-0.013349	2.5	PASS
EGPRS1900	512	VN	TN	-26.89	-0.014536	2.5	PASS
EGPRS1900	512	VH	TN	-15.56	-0.008411	2.5	PASS



EGPRS1900	661	VL	TN	-27.64	-0.014700	2.5	PASS
EGPRS1900	661	VN	TN	-13.98	-0.007436	2.5	PASS
EGPRS1900	661	VH	TN	-30.22	-0.016074	2.5	PASS
EGPRS1900	810	VL	TN	-20.34	-0.010650	2.5	PASS
EGPRS1900	810	VN	TN	-21.31	-0.011158	2.5	PASS
EGPRS1900	810	VH	TN	-20.66	-0.010819	2.5	PASS



Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	VN	-30	-9.69	-0.011752	2.5	PASS
GSM850	128	VN	-20	-10.20	-0.012378	2.5	PASS
GSM850	128	VN	-10	-5.81	-0.007051	2.5	PASS
GSM850	128	VN	0	-5.36	-0.006503	2.5	PASS
GSM850	128	VN	10	-7.39	-0.008970	2.5	PASS
GSM850	128	VN	20	-4.55	-0.005523	2.5	PASS
GSM850	128	VN	30	-12.40	-0.015042	2.5	PASS
GSM850	128	VN	40	-10.46	-0.012692	2.5	PASS
GSM850	128	VN	50	-7.85	-0.009519	2.5	PASS
GSM850	190	VN	-30	-11.17	-0.013353	2.5	PASS
GSM850	190	VN	-20	-8.10	-0.009687	2.5	PASS
GSM850	190	VN	-10	-8.91	-0.010651	2.5	PASS
GSM850	190	VN	0	-7.14	-0.008529	2.5	PASS
GSM850	190	VN	10	-10.43	-0.012465	2.5	PASS
GSM850	190	VN	20	-11.62	-0.013893	2.5	PASS
GSM850	190	VN	30	-12.91	-0.015437	2.5	PASS
GSM850	190	VN	40	-11.46	-0.013700	2.5	PASS
GSM850	190	VN	50	-9.46	-0.011307	2.5	PASS
GSM850	251	VN	-30	-11.85	-0.013960	2.5	PASS
GSM850	251	VN	-20	-9.43	-0.011107	2.5	PASS
GSM850	251	VN	-10	-8.01	-0.009433	2.5	PASS
GSM850	251	VN	0	-8.59	-0.010118	2.5	PASS
GSM850	251	VN	10	-9.14	-0.010764	2.5	PASS
GSM850	251	VN	20	-9.78	-0.011525	2.5	PASS
GSM850	251	VN	30	-10.91	-0.012857	2.5	PASS
GSM850	251	VN	40	-8.91	-0.010498	2.5	PASS
GSM850	251	VN	50	-10.17	-0.011982	2.5	PASS
GPRS850	128	VN	-30	-4.10	-0.004975	2.5	PASS
GPRS850	128	VN	-20	-4.91	-0.005954	2.5	PASS
GPRS850	128	VN	-10	-8.39	-0.010185	2.5	PASS
GPRS850	128	VN	0	-3.78	-0.004583	2.5	PASS
GPRS850	128	VN	10	-8.46	-0.010263	2.5	PASS
GPRS850	128	VN	20	-9.27	-0.011242	2.5	PASS
GPRS850	128	VN	30	-5.13	-0.006228	2.5	PASS
GPRS850	128	VN	40	-8.52	-0.010341	2.5	PASS
GPRS850	128	VN	50	-8.49	-0.010302	2.5	PASS
GPRS850	190	VN	-30	-7.43	-0.008876	2.5	PASS
GPRS850	190	VN	-20	-0.39	-0.000463	2.5	PASS
GPRS850	190	VN	-10	-0.94	-0.001119	2.5	PASS
GPRS850	190	VN	0	-2.16	-0.002586	2.5	PASS
GPRS850	190	VN	10	-5.78	-0.006908	2.5	PASS
GPRS850	190	VN	20	-4.55	-0.005441	2.5	PASS
GPRS850	190	VN	30	-4.68	-0.005596	2.5	PASS
GPRS850	190	VN	40	-3.00	-0.003589	2.5	PASS
GPRS850	190	VN	50	-5.07	-0.006059	2.5	PASS
GPRS850	251	VN	-30	-3.55	-0.004184	2.5	PASS
GPRS850	251	VN	-20	-2.32	-0.002739	2.5	PASS
GPRS850	251	VN	-10	-2.91	-0.003423	2.5	PASS
GPRS850	251	VN	0	0.39	0.000456	2.5	PASS
GPRS850	251	VN	10	-1.74	-0.002054	2.5	PASS
GPRS850	251	VN	20	3.45	0.004070	2.5	PASS



GPRS850	251	VN	30	-2.84	-0.003347	2.5	PASS
GPRS850	251	VN	40	-1.97	-0.002320	2.5	PASS
GPRS850	251	VN	50	-5.91	-0.006961	2.5	PASS
EGPRS850	128	VN	-30	-1.19	-0.001449	2.5	PASS
EGPRS850	128	VN	-20	-1.03	-0.001254	2.5	PASS
EGPRS850	128	VN	-10	-1.87	-0.002272	2.5	PASS
EGPRS850	128	VN	0	-2.55	-0.003095	2.5	PASS
EGPRS850	128	VN	10	-10.07	-0.012222	2.5	PASS
EGPRS850	128	VN	20	-5.94	-0.007208	2.5	PASS
EGPRS850	128	VN	30	-8.46	-0.010263	2.5	PASS
EGPRS850	128	VN	40	-2.03	-0.002468	2.5	PASS
EGPRS850	128	VN	50	-3.97	-0.004818	2.5	PASS
EGPRS850	190	VN	-30	-6.26	-0.007487	2.5	PASS
EGPRS850	190	VN	-20	-12.17	-0.014549	2.5	PASS
EGPRS850	190	VN	-10	-9.33	-0.011153	2.5	PASS
EGPRS850	190	VN	0	-5.13	-0.006136	2.5	PASS
EGPRS850	190	VN	10	-2.84	-0.003396	2.5	PASS
EGPRS850	190	VN	20	-7.94	-0.009494	2.5	PASS
EGPRS850	190	VN	30	-9.20	-0.010999	2.5	PASS
EGPRS850	190	VN	40	-6.49	-0.007757	2.5	PASS
EGPRS850	190	VN	50	-5.23	-0.006252	2.5	PASS
EGPRS850	251	VN	-30	-1.29	-0.001521	2.5	PASS
EGPRS850	251	VN	-20	-4.39	-0.005173	2.5	PASS
EGPRS850	251	VN	-10	3.62	0.004260	2.5	PASS
EGPRS850	251	VN	0	-3.13	-0.003690	2.5	PASS
EGPRS850	251	VN	10	-0.39	-0.000456	2.5	PASS
EGPRS850	251	VN	20	-11.69	-0.013769	2.5	PASS
EGPRS850	251	VN	30	-3.33	-0.003918	2.5	PASS
EGPRS850	251	VN	40	-6.46	-0.007607	2.5	PASS
EGPRS850	251	VN	50	-5.71	-0.006733	2.5	PASS
GSM1900	512	VN	-30	3.39	0.001832	2.5	PASS
GSM1900	512	VN	-20	-5.71	-0.003089	2.5	PASS
GSM1900	512	VN	-10	-12.01	-0.006491	2.5	PASS
GSM1900	512	VN	0	-7.62	-0.004118	2.5	PASS
GSM1900	512	VN	10	-12.66	-0.006840	2.5	PASS
GSM1900	512	VN	20	-11.36	-0.006142	2.5	PASS
GSM1900	512	VN	30	-3.81	-0.002059	2.5	PASS
GSM1900	512	VN	40	-6.52	-0.003525	2.5	PASS
GSM1900	512	VN	50	-11.07	-0.005985	2.5	PASS
GSM1900	661	VN	-30	-13.53	-0.007196	2.5	PASS
GSM1900	661	VN	-20	-19.98	-0.010630	2.5	PASS
GSM1900	661	VN	-10	-7.75	-0.004122	2.5	PASS
GSM1900	661	VN	0	1.97	0.001048	2.5	PASS
GSM1900	661	VN	10	-3.00	-0.001597	2.5	PASS
GSM1900	661	VN	20	-8.07	-0.004293	2.5	PASS
GSM1900	661	VN	30	-3.91	-0.002078	2.5	PASS
GSM1900	661	VN	40	-8.88	-0.004723	2.5	PASS
GSM1900	661	VN	50	-12.04	-0.006406	2.5	PASS
GSM1900	810	VN	-30	0.00	0.000000	2.5	PASS
GSM1900	810	VN	-20	-6.78	-0.003550	2.5	PASS
GSM1900	810	VN	-10	-14.21	-0.007438	2.5	PASS
GSM1900	810	VN	0	-7.36	-0.003854	2.5	PASS
GSM1900	810	VN	10	-4.20	-0.002198	2.5	PASS
GSM1900	810	VN	20	-9.78	-0.005122	2.5	PASS
GSM1900	810	VN	30	-14.88	-0.007793	2.5	PASS



GSM1900	810	VN	40	-20.15	-0.010549	2.5	PASS
GSM1900	810	VN	50	-9.10	-0.004767	2.5	PASS
GPRS1900	512	VN	-30	-11.40	-0.006160	2.5	PASS
GPRS1900	512	VN	-20	1.74	0.000942	2.5	PASS
GPRS1900	512	VN	-10	-6.49	-0.003507	2.5	PASS
GPRS1900	512	VN	0	-11.27	-0.006090	2.5	PASS
GPRS1900	512	VN	10	-9.88	-0.005340	2.5	PASS
GPRS1900	512	VN	20	-0.94	-0.000506	2.5	PASS
GPRS1900	512	VN	30	8.56	0.004624	2.5	PASS
GPRS1900	512	VN	40	-8.65	-0.004677	2.5	PASS
GPRS1900	512	VN	50	-14.33	-0.007748	2.5	PASS
GPRS1900	661	VN	-30	-14.21	-0.007556	2.5	PASS
GPRS1900	661	VN	-20	-5.04	-0.002679	2.5	PASS
GPRS1900	661	VN	-10	-7.59	-0.004036	2.5	PASS
GPRS1900	661	VN	0	-3.33	-0.001769	2.5	PASS
GPRS1900	661	VN	10	-1.29	-0.000687	2.5	PASS
GPRS1900	661	VN	20	-3.10	-0.001649	2.5	PASS
GPRS1900	661	VN	30	-1.61	-0.000859	2.5	PASS
GPRS1900	661	VN	40	0.16	0.000086	2.5	PASS
GPRS1900	661	VN	50	3.75	0.001992	2.5	PASS
GPRS1900	810	VN	-30	-0.94	-0.000490	2.5	PASS
GPRS1900	810	VN	-20	2.13	0.001116	2.5	PASS
GPRS1900	810	VN	-10	-7.62	-0.003990	2.5	PASS
GPRS1900	810	VN	0	-6.88	-0.003601	2.5	PASS
GPRS1900	810	VN	10	-14.11	-0.007388	2.5	PASS
GPRS1900	810	VN	20	-1.03	-0.000541	2.5	PASS
GPRS1900	810	VN	30	-0.42	-0.000220	2.5	PASS
GPRS1900	810	VN	40	-9.17	-0.004801	2.5	PASS
GPRS1900	810	VN	50	-8.65	-0.004531	2.5	PASS
EGPRS1900	512	VN	-30	-32.74	-0.017694	2.5	PASS
EGPRS1900	512	VN	-20	-27.99	-0.015129	2.5	PASS
EGPRS1900	512	VN	-10	-30.87	-0.016682	2.5	PASS
EGPRS1900	512	VN	0	-21.92	-0.011848	2.5	PASS
EGPRS1900	512	VN	10	-21.66	-0.011709	2.5	PASS
EGPRS1900	512	VN	20	-30.38	-0.016420	2.5	PASS
EGPRS1900	512	VN	30	-34.45	-0.018619	2.5	PASS
EGPRS1900	512	VN	40	-21.24	-0.011482	2.5	PASS
EGPRS1900	512	VN	50	-23.76	-0.012843	2.5	PASS
EGPRS1900	661	VN	-30	-20.11	-0.010699	2.5	PASS
EGPRS1900	661	VN	-20	-28.09	-0.014941	2.5	PASS
EGPRS1900	661	VN	-10	-28.41	-0.015113	2.5	PASS
EGPRS1900	661	VN	0	-28.28	-0.015044	2.5	PASS
EGPRS1900	661	VN	10	-21.63	-0.011506	2.5	PASS
EGPRS1900	661	VN	20	-20.37	-0.010836	2.5	PASS
EGPRS1900	661	VN	30	-19.69	-0.010476	2.5	PASS
EGPRS1900	661	VN	40	-34.61	-0.018410	2.5	PASS
EGPRS1900	661	VN	50	-26.12	-0.013893	2.5	PASS
EGPRS1900	810	VN	-30	-19.24	-0.010076	2.5	PASS
EGPRS1900	810	VN	-20	-26.09	-0.013660	2.5	PASS
EGPRS1900	810	VN	-10	-23.02	-0.012054	2.5	PASS
EGPRS1900	810	VN	0	-23.31	-0.012206	2.5	PASS
EGPRS1900	810	VN	10	-33.22	-0.017396	2.5	PASS
EGPRS1900	810	VN	20	-32.35	-0.016939	2.5	PASS
EGPRS1900	810	VN	30	-40.74	-0.021335	2.5	PASS
EGPRS1900	810	VN	40	-19.98	-0.010464	2.5	PASS



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EGPRS1900	810	VN	50	-17.60	-0.009213	2.5	PASS
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