

**8.1 Appendix A: Conducted Output Power**

Test Result

Band	Channel	PCL	Power(dBm)	Limit(dBm)	Verdict
GSM850	128	5	32.73	38.5	PASS
GSM850	190	5	32.78	38.5	PASS
GSM850	251	5	32.66	38.5	PASS
GSM1900	512	0	29.50	33	PASS
GSM1900	661	0	28.51	33	PASS
GSM1900	810	0	29.25	33	PASS



Band	Channel	PCL	Slot	Power(dBm)	Limit(dBm)	Verdict
GPRS850	128	5	1	32.51	38.5	PASS
GPRS850	128	5	2	32.16	38.5	PASS
GPRS850	128	5	3	30.71	38.5	PASS
GPRS850	128	5	4	28.84	38.5	PASS
GPRS850	190	5	1	32.46	38.5	PASS
GPRS850	190	5	2	32.21	38.5	PASS
GPRS850	190	5	3	30.55	38.5	PASS
GPRS850	190	5	4	28.91	38.5	PASS
GPRS850	251	5	1	32.53	38.5	PASS
GPRS850	251	5	2	32.34	38.5	PASS
GPRS850	251	5	3	30.88	38.5	PASS
GPRS850	251	5	4	29.03	38.5	PASS
GPRS1900	512	0	1	29.22	33	PASS
GPRS1900	512	0	2	29.04	33	PASS
GPRS1900	512	0	3	27.64	33	PASS
GPRS1900	512	0	4	25.64	33	PASS
GPRS1900	661	0	1	28.13	33	PASS
GPRS1900	661	0	2	27.96	33	PASS
GPRS1900	661	0	3	26.33	33	PASS
GPRS1900	661	0	4	24.49	33	PASS
GPRS1900	810	0	1	28.79	33	PASS
GPRS1900	810	0	2	27.65	33	PASS
GPRS1900	810	0	3	26.95	33	PASS
GPRS1900	810	0	4	25.10	33	PASS



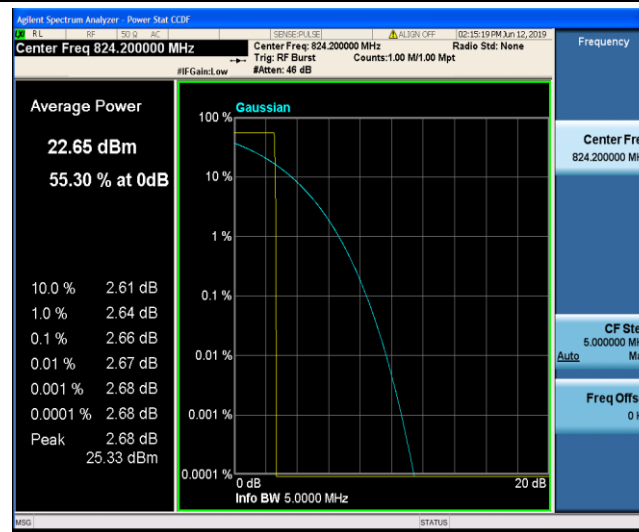
8.2 Appendix B: Peak-to-Average Ratio

Test Result

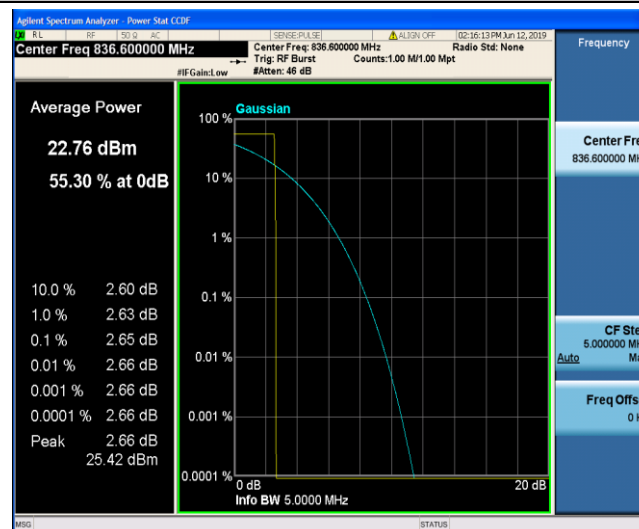
Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
GSM850	128	2.66	13	PASS
GSM850	190	2.65	13	PASS
GSM850	251	2.64	13	PASS
GPRS850	128	2.66	13	PASS
GPRS850	190	2.66	13	PASS
GPRS850	251	2.65	13	PASS
GSM1900	512	2.67	13	PASS
GSM1900	661	2.68	13	PASS
GSM1900	810	2.70	13	PASS
GPRS1900	512	2.67	13	PASS
GPRS1900	661	2.68	13	PASS
GPRS1900	810	2.69	13	PASS



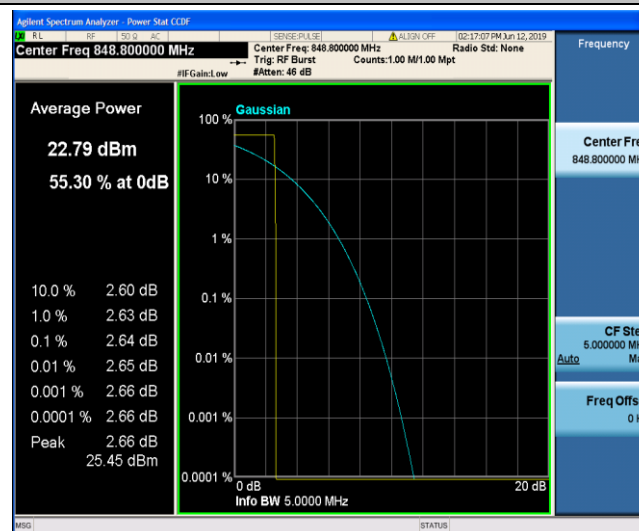
Test Graphs



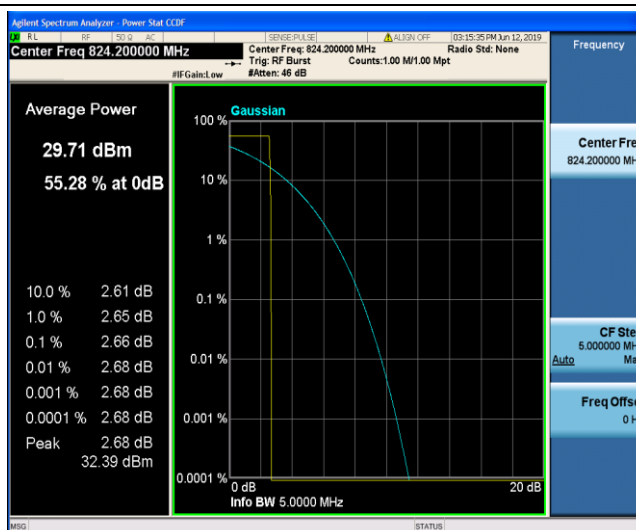
GSM850_128



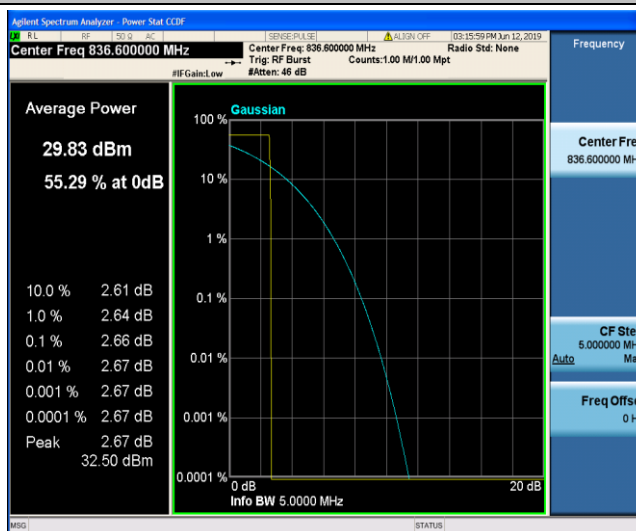
GSM850_190



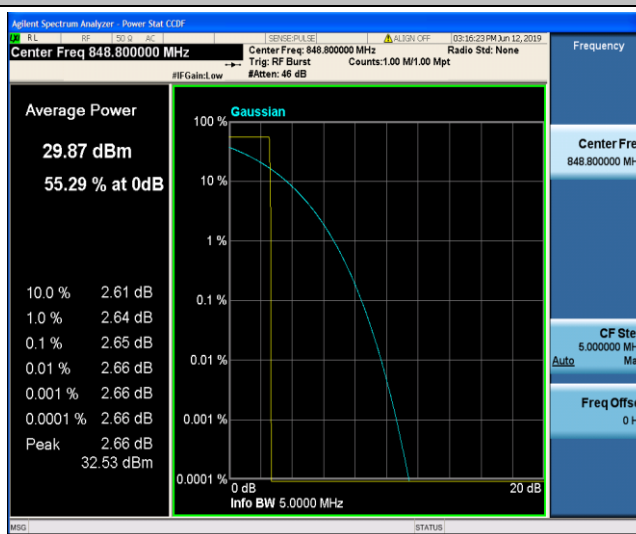
GSM850_251



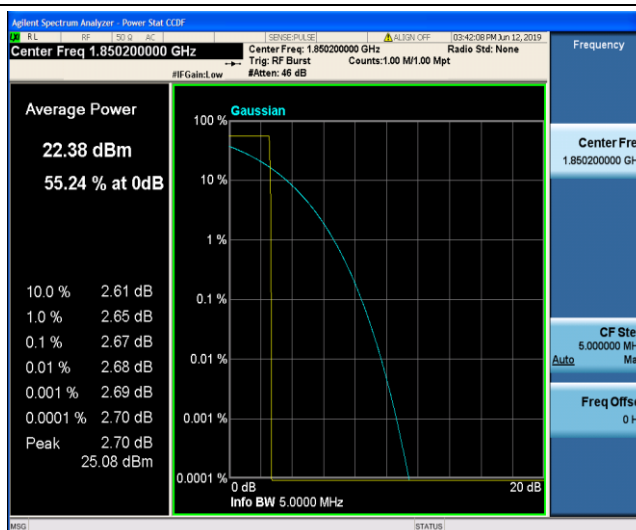
GPRS850_128



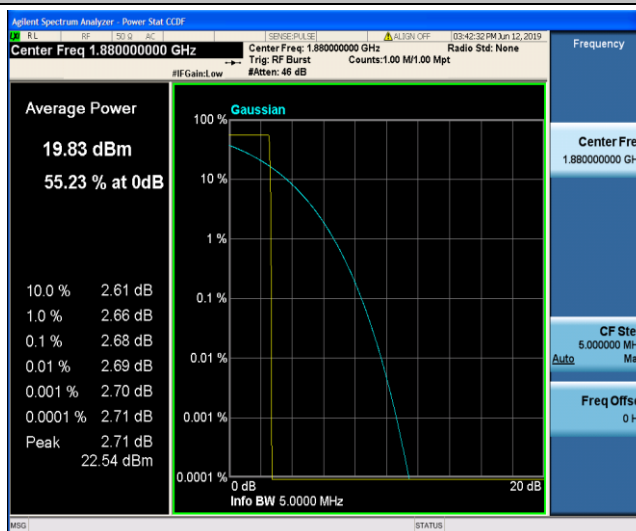
GPRS850_190



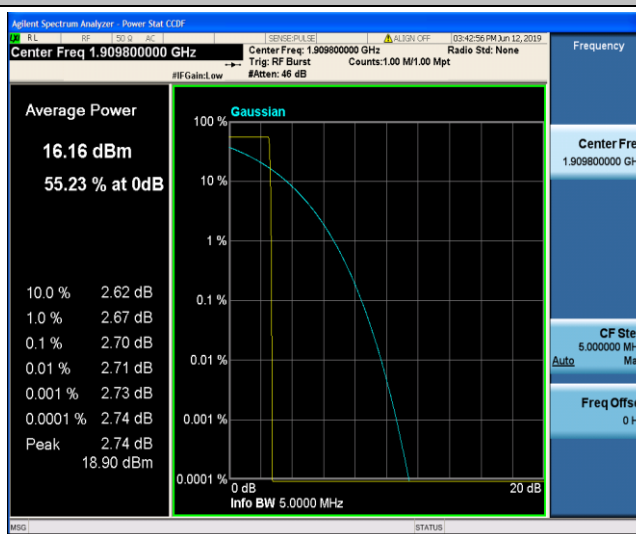
GPRS850_251



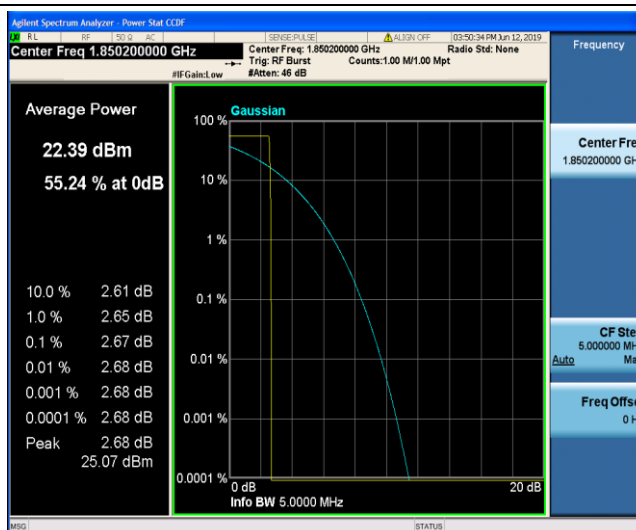
GSM1900_512



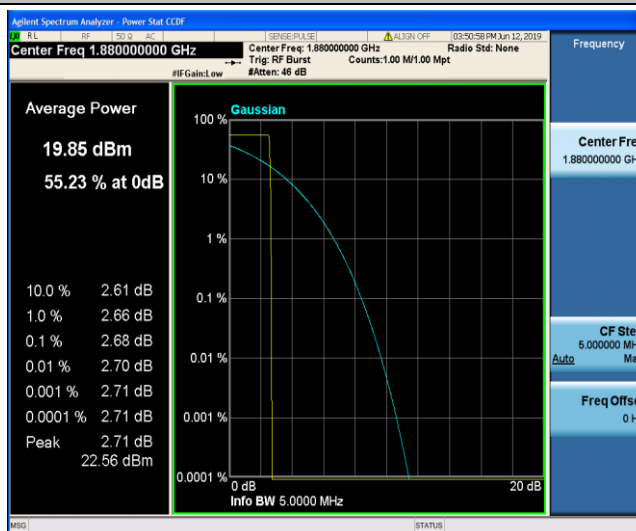
GSM1900_661



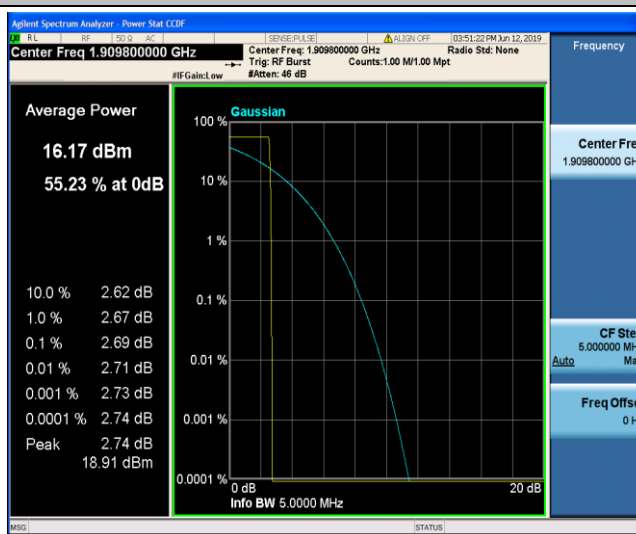
GSM1900_810



GPRS1900_512



GPRS1900_661



GPRS1900_810



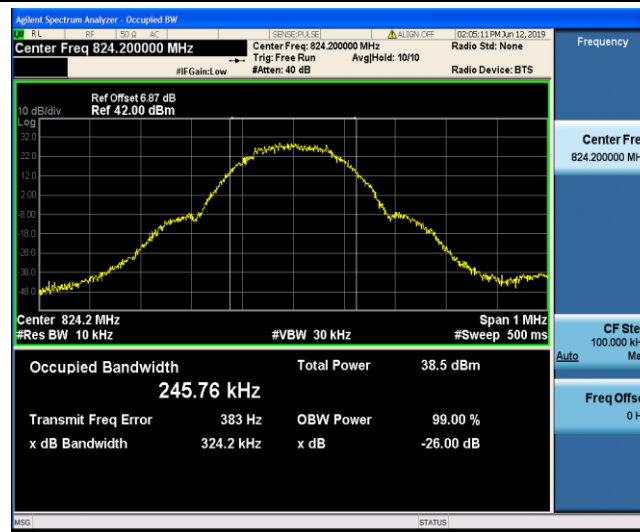
8.3 Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

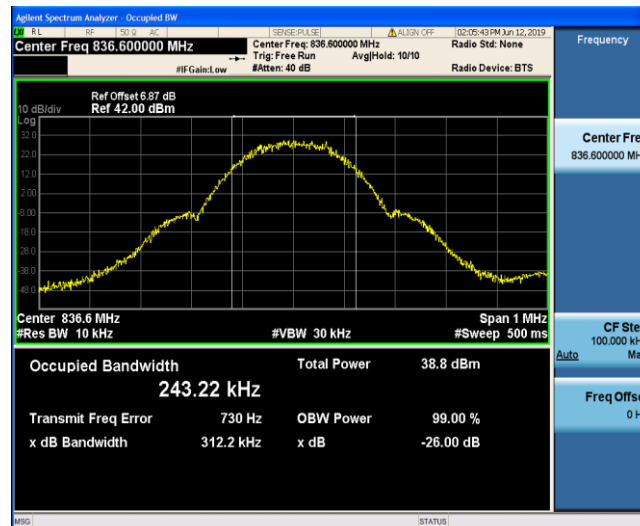
Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
GSM850	128	245.76	324.2	---	PASS
GSM850	190	243.22	312.2	---	PASS
GSM850	251	246.17	318.7	---	PASS
GPRS850	128	243.80	315.4	---	PASS
GPRS850	190	246.59	322.4	---	PASS
GPRS850	251	244.70	322.2	---	PASS
GSM1900	512	247.12	318.3	---	PASS
GSM1900	661	247.15	313.5	---	PASS
GSM1900	810	248.26	316.9	---	PASS
GPRS1900	512	244.71	316.5	---	PASS
GPRS1900	661	247.08	311.3	---	PASS
GPRS1900	810	245.68	316.0	---	PASS



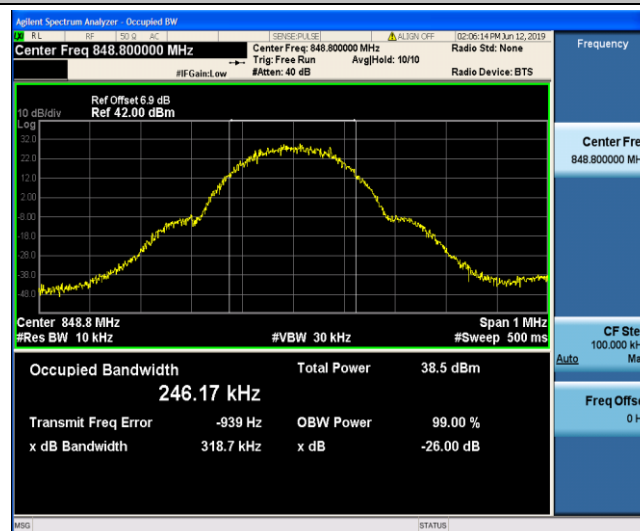
Test Graphs



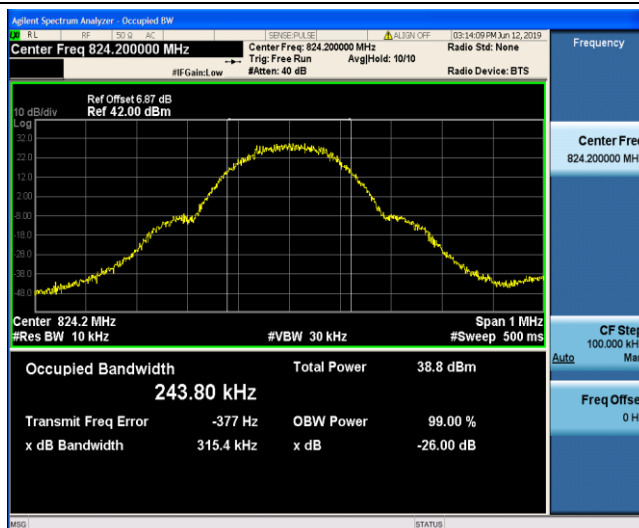
GSM850_128



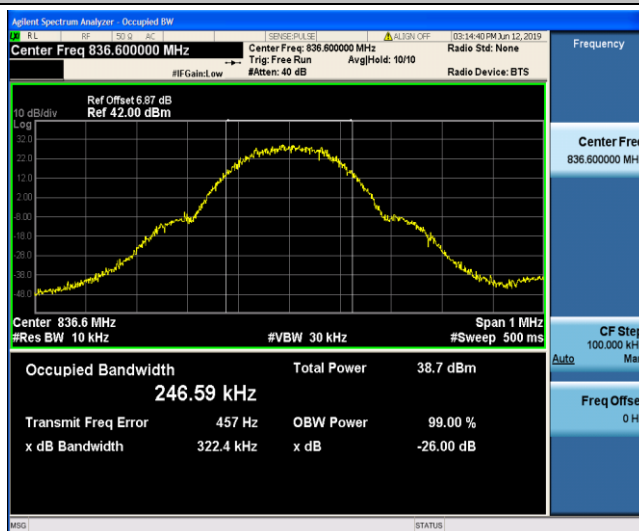
GSM850_190



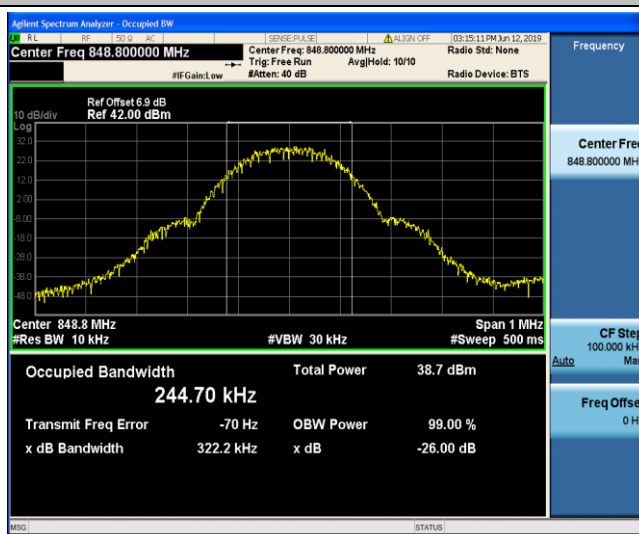
GSM850_251



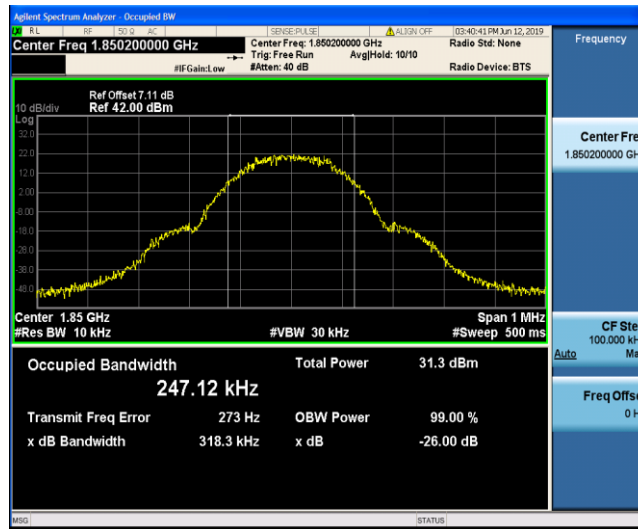
GPRS850_128



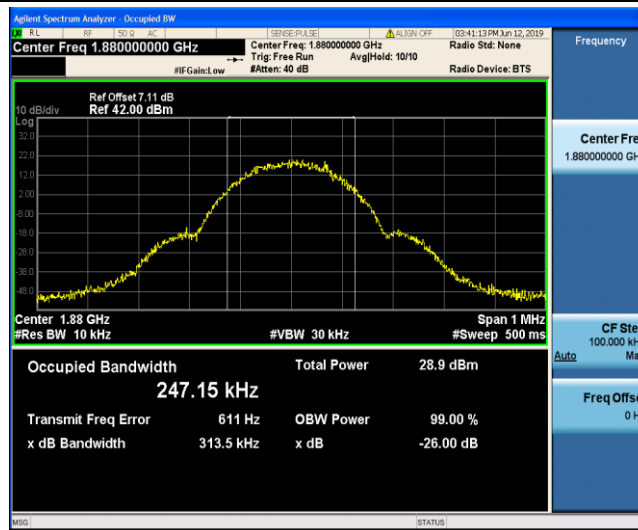
GPRS850_190



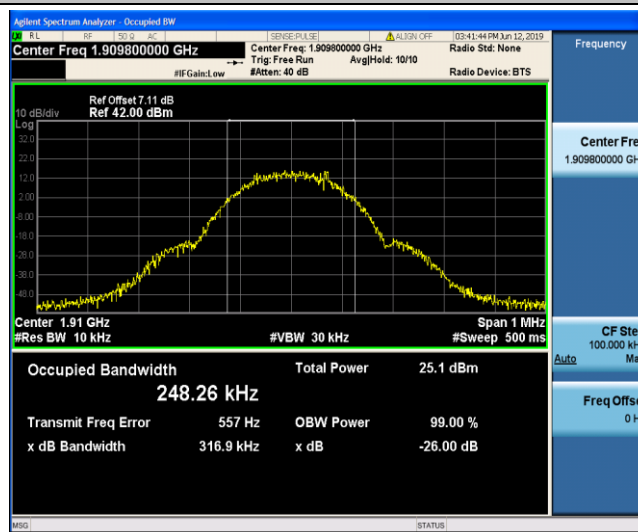
GPRS850_251



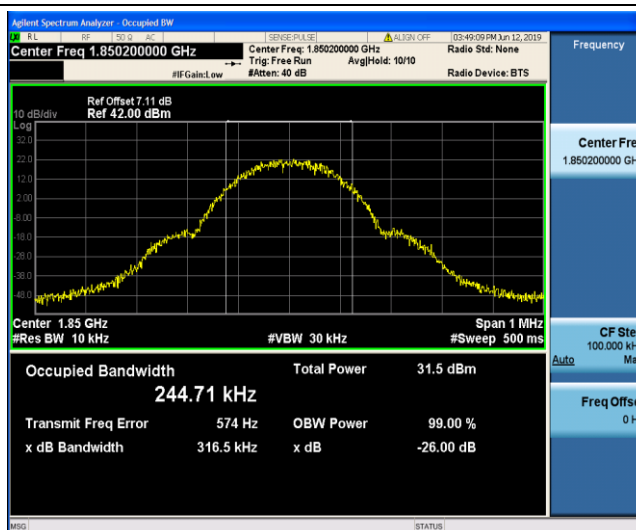
GSM1900_512



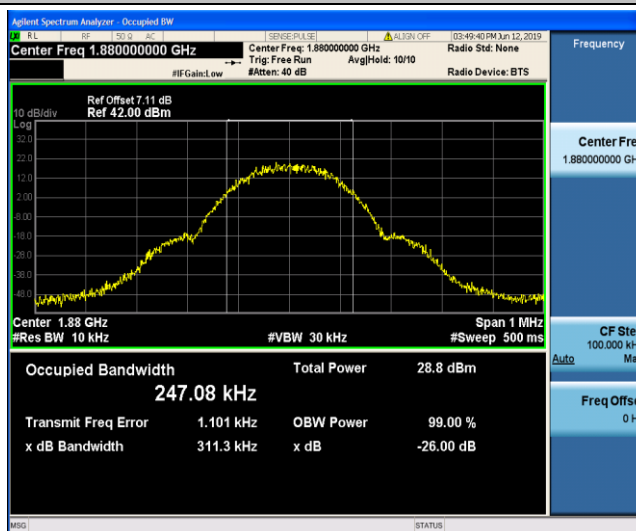
GSM1900_661



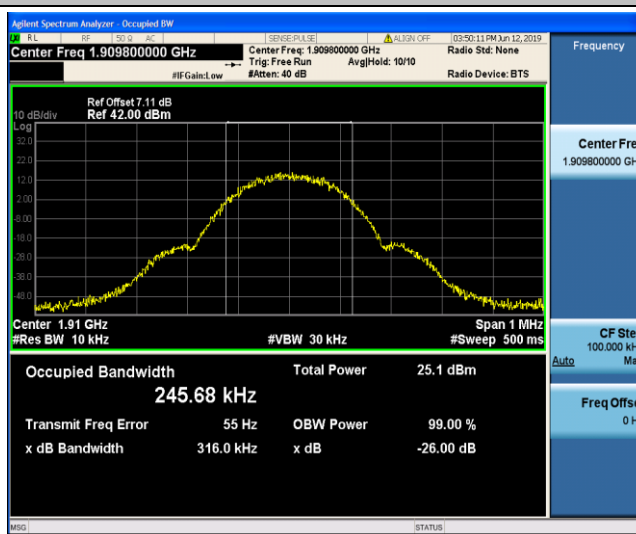
GSM1900_810



GPRS1900_512



GPRS1900_661



GPRS1900_810



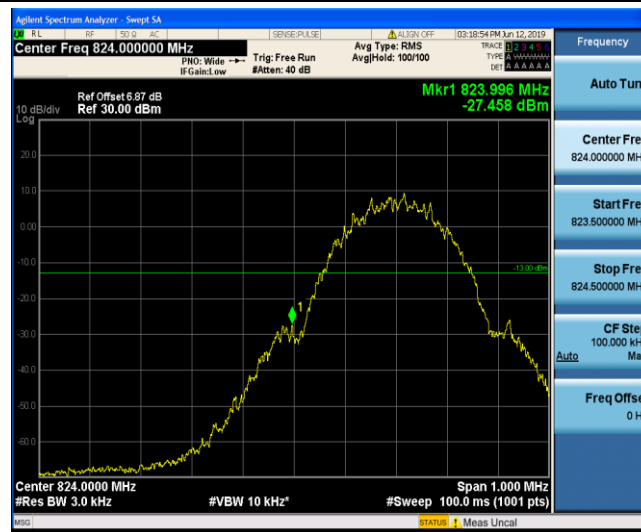
8.4 Appendix D: Band Edge

Test Result

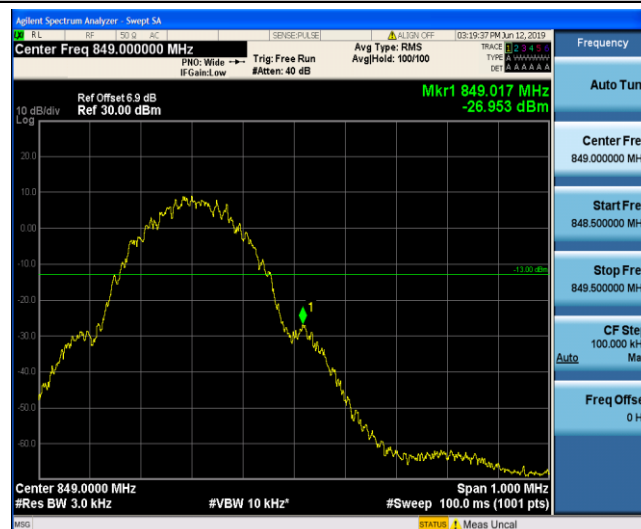
Band	Channel	Value(dBm)	Limit(dBm)	Verdict
GSM850	128	-27.46	-13	PASS
GSM850	251	-26.95	-13	PASS
GPRS850	128	-26.29	-13	PASS
GPRS850	251	-26.72	-13	PASS
GSM1900	512	-35.91	-13	PASS
GSM1900	810	-39.78	-13	PASS
GPRS1900	512	-33.69	-13	PASS
GPRS1900	810	-40.44	-13	PASS



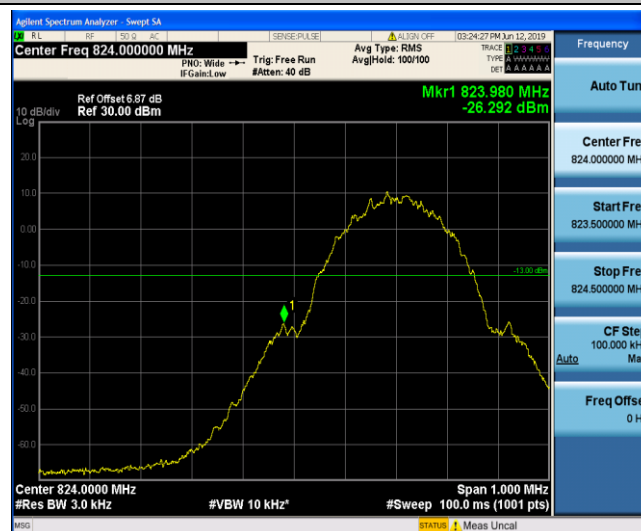
Test Graphs



GSM850_128



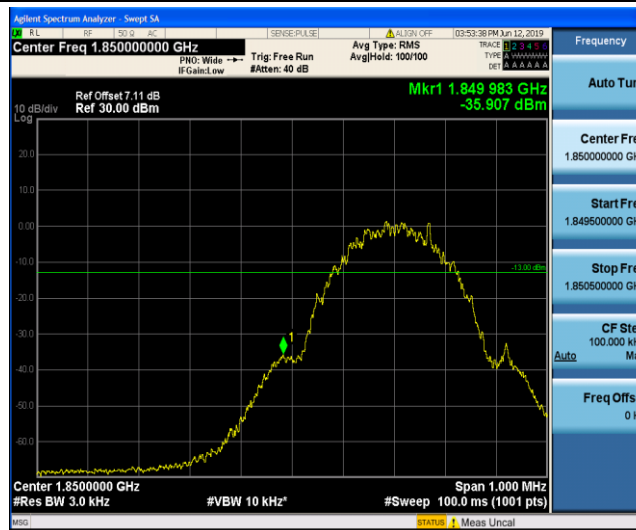
GSM850_251



GPRS850_128



GPRS850_251



GSM1900_512



GSM1900_810



GPRS1900_512



GPRS1900_810



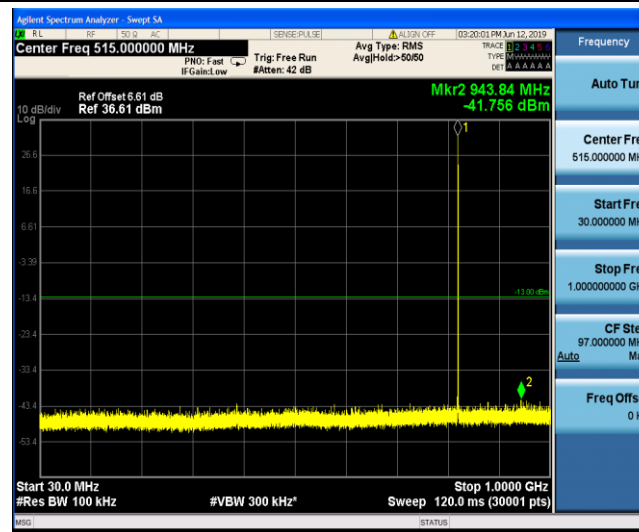
8.5 Appendix E: Conducted Spurious Emission

Test Result

Band	Channel	Frequency Rang(Mhz)	Value(dBm)	Limit(dBm)	Verdict
GSM850	128	30~1000	-41.76	-13	PASS
GSM850	128	1000~10000	-38.49	-13	PASS
GSM850	190	30~1000	-42.54	-13	PASS
GSM850	190	1000~10000	-38.49	-13	PASS
GSM850	251	30~1000	-42.61	-13	PASS
GSM850	251	1000~10000	-38.59	-13	PASS
GPRS850	128	30~1000	-41.75	-13	PASS
GPRS850	128	1000~10000	-35.95	-13	PASS
GPRS850	190	30~1000	-42.13	-13	PASS
GPRS850	190	1000~10000	-38.53	-13	PASS
GPRS850	251	30~1000	-42.25	-13	PASS
GPRS850	251	1000~10000	-38.42	-13	PASS
GSM1900	512	30~1000	-41.83	-13	PASS
GSM1900	512	1000~20000	-31.99	-13	PASS
GSM1900	661	30~1000	-41.96	-13	PASS
GSM1900	661	1000~20000	-32.02	-13	PASS
GSM1900	810	30~1000	-42.19	-13	PASS
GSM1900	810	1000~20000	-31.74	-13	PASS
GPRS1900	512	30~1000	-42.10	-13	PASS
GPRS1900	512	1000~20000	-31.76	-13	PASS
GPRS1900	661	30~1000	-41.93	-13	PASS
GPRS1900	661	1000~20000	-31.77	-13	PASS
GPRS1900	810	30~1000	-42.76	-13	PASS
GPRS1900	810	1000~20000	-31.74	-13	PASS



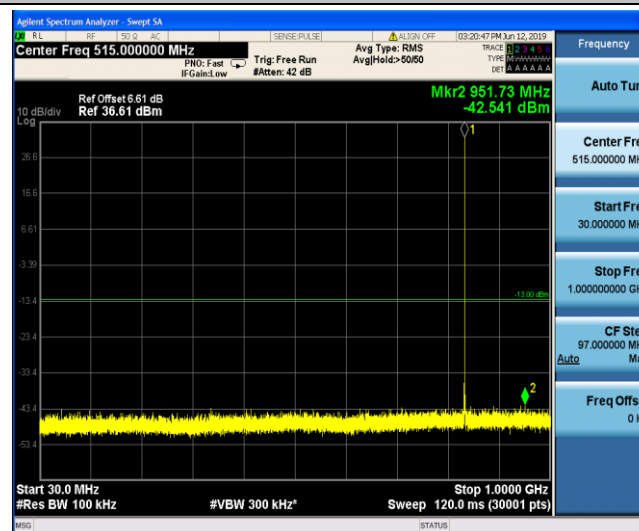
Test Graphs



GSM850_128



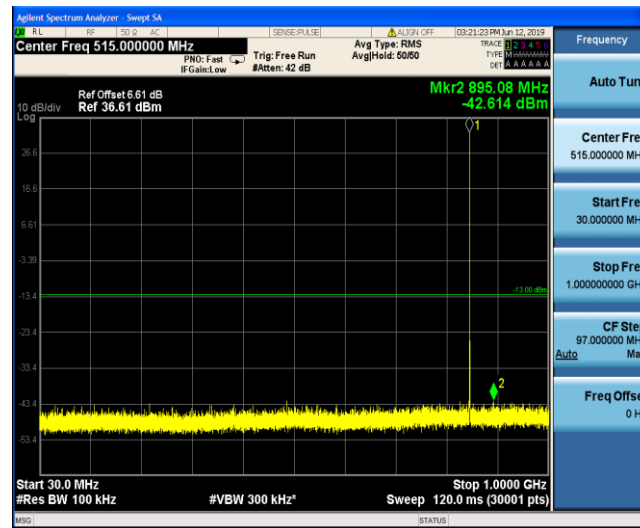
GSM850_128



GSM850_190



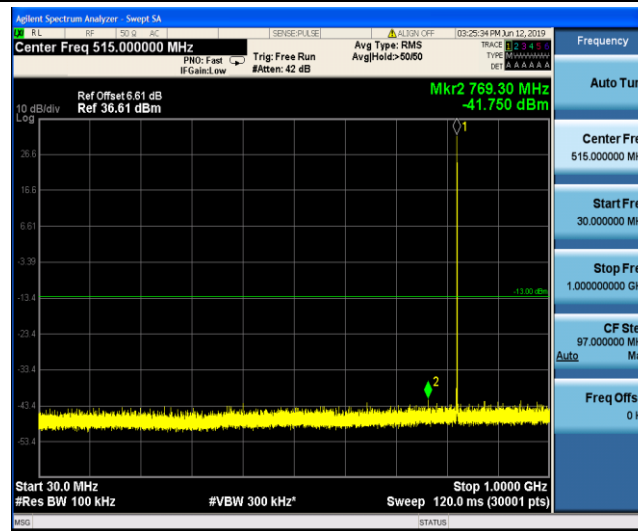
GSM850_190



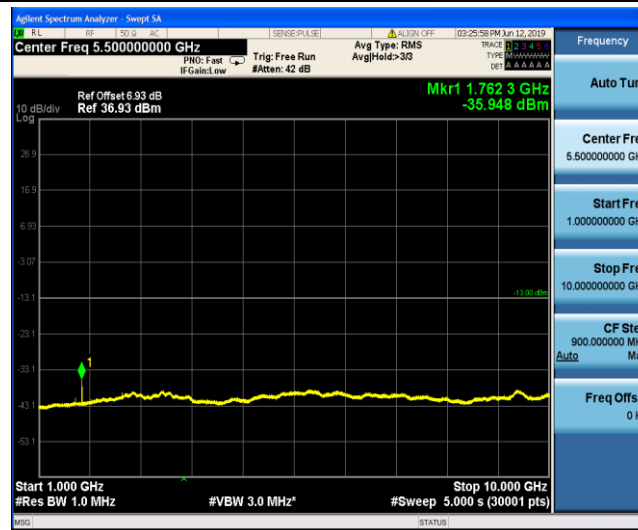
GSM850_251



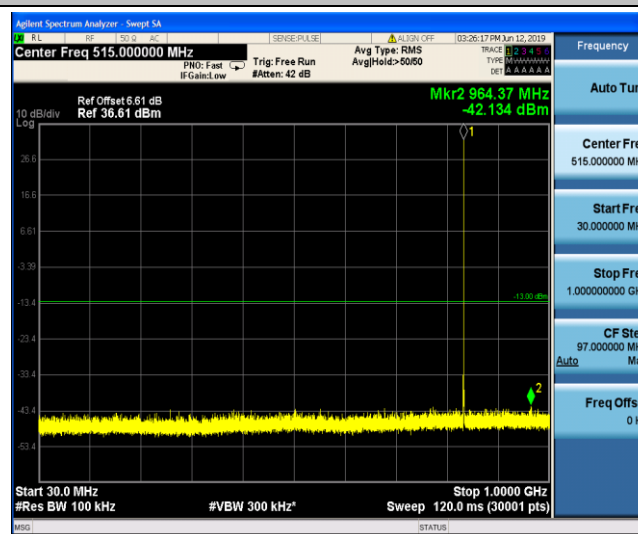
GSM850_251



GPRS850_128



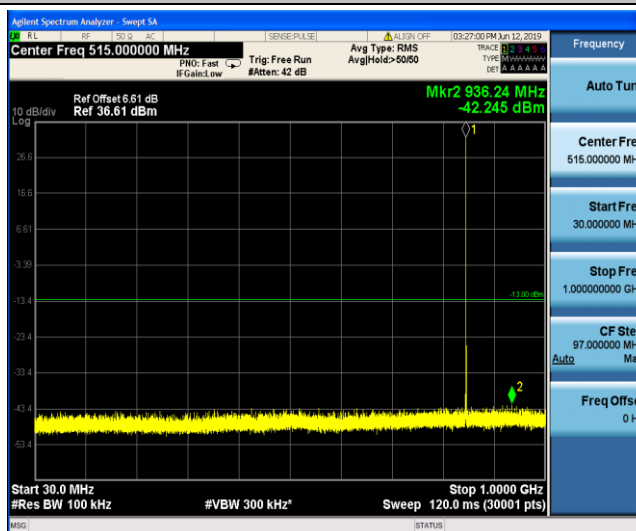
GPRS850_128



GPRS850_190



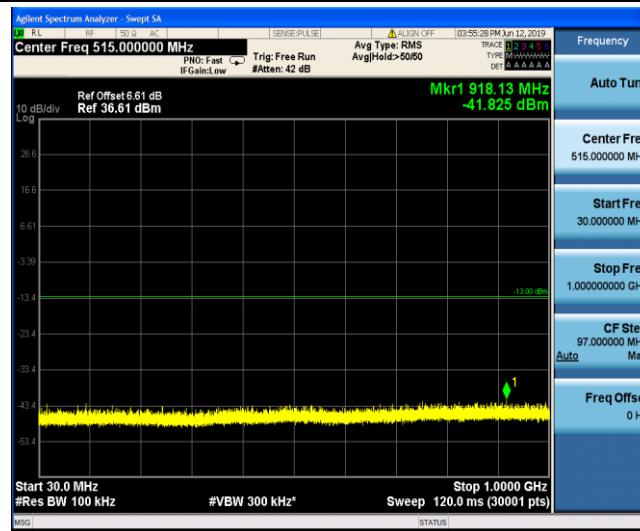
GPRS850_190



GPRS850_251



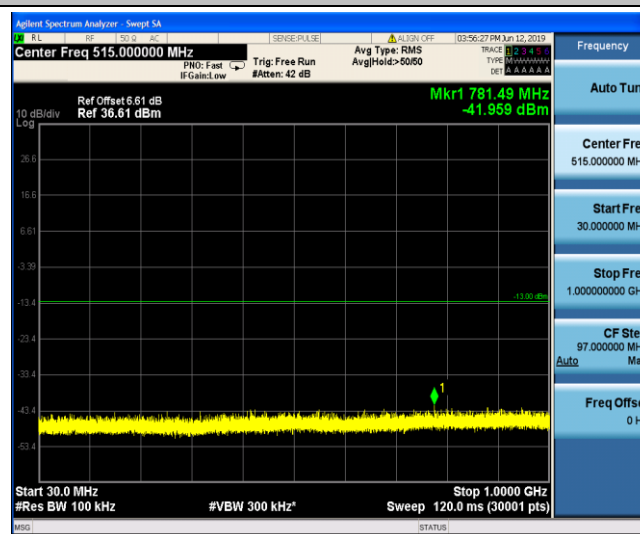
GPRS850_251



GSM1900_512



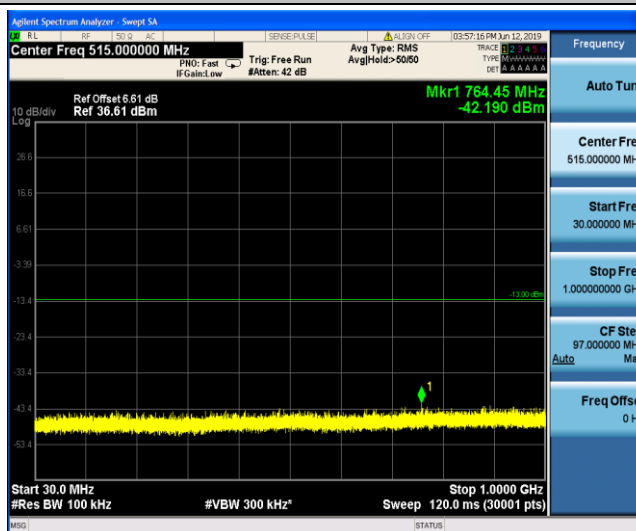
GSM1900_512



GSM1900_661



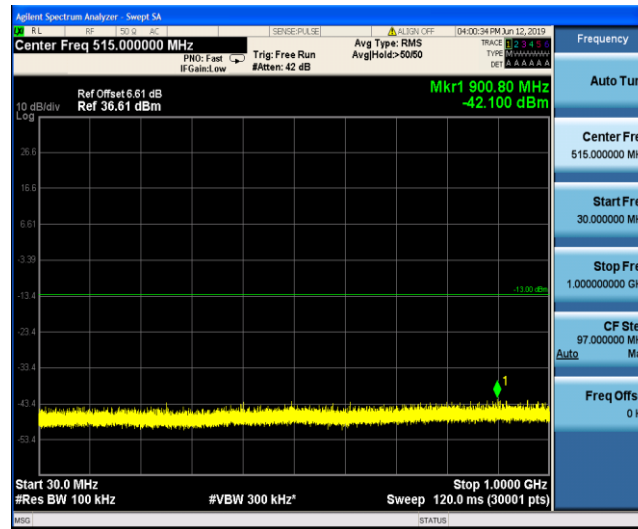
GSM1900_661



GSM1900_810



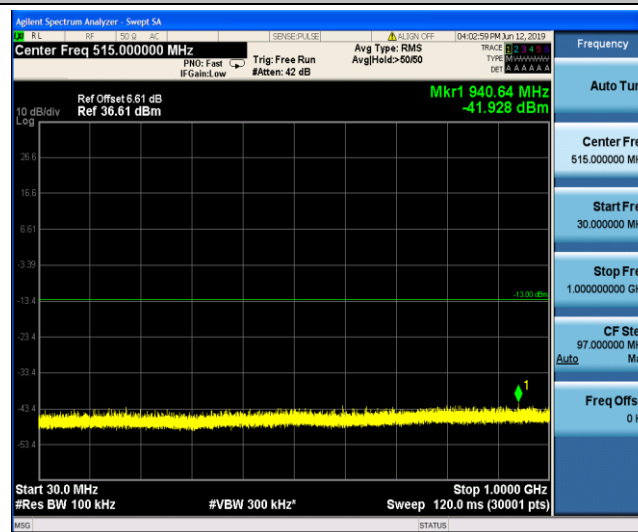
GSM1900_810



GPRS1900_512



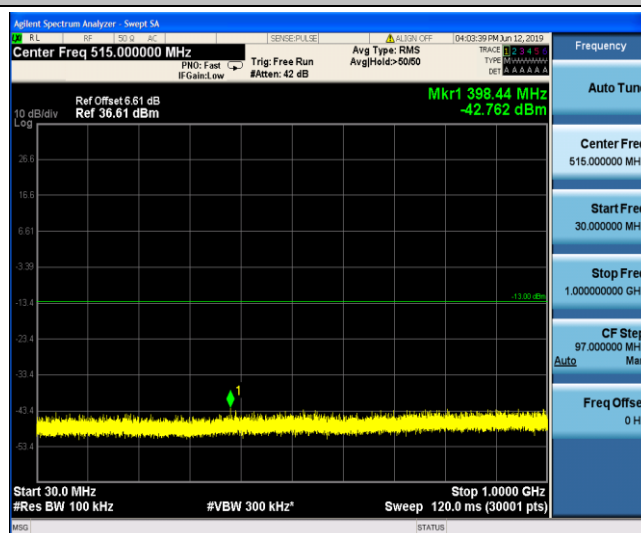
GPRS1900_512



GPRS1900_661



GPRS1900_661



GPRS1900_810



GPRS1900_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	9.62	0.011673	2.5	PASS
GSM850	128	VN	TN	11.43	0.013867	2.5	PASS
GSM850	128	VH	TN	7.17	0.008696	2.5	PASS
GSM850	190	VL	TN	13.04	0.015591	2.5	PASS
GSM850	190	VN	TN	15.50	0.018524	2.5	PASS
GSM850	190	VH	TN	12.91	0.015437	2.5	PASS
GSM850	251	VL	TN	8.17	0.009623	2.5	PASS
GSM850	251	VN	TN	8.81	0.010384	2.5	PASS
GSM850	251	VH	TN	11.56	0.013617	2.5	PASS
GPRS850	128	VL	TN	5.33	0.006463	2.5	PASS
GPRS850	128	VN	TN	10.33	0.012535	2.5	PASS
GPRS850	128	VH	TN	0.74	0.000901	2.5	PASS
GPRS850	190	VL	TN	3.62	0.004322	2.5	PASS
GPRS850	190	VN	TN	6.04	0.007217	2.5	PASS
GPRS850	190	VH	TN	8.49	0.010150	2.5	PASS
GPRS850	251	VL	TN	7.62	0.008977	2.5	PASS
GPRS850	251	VN	TN	10.20	0.012020	2.5	PASS
GPRS850	251	VH	TN	11.66	0.013731	2.5	PASS
GSM1900	512	VL	TN	20.79	0.011238	2.5	PASS
GSM1900	512	VN	TN	23.76	0.012843	2.5	PASS
GSM1900	512	VH	TN	26.02	0.014065	2.5	PASS
GSM1900	661	VL	TN	18.34	0.009754	2.5	PASS
GSM1900	661	VN	TN	17.18	0.009136	2.5	PASS
GSM1900	661	VH	TN	15.92	0.008466	2.5	PASS
GSM1900	810	VL	TN	26.83	0.014048	2.5	PASS
GSM1900	810	VN	TN	28.12	0.014725	2.5	PASS
GSM1900	810	VH	TN	22.92	0.012003	2.5	PASS
GPRS1900	512	VL	TN	26.15	0.014134	2.5	PASS
GPRS1900	512	VN	TN	30.93	0.016717	2.5	PASS
GPRS1900	512	VH	TN	32.64	0.017642	2.5	PASS
GPRS1900	661	VL	TN	23.31	0.012399	2.5	PASS
GPRS1900	661	VN	TN	23.34	0.012416	2.5	PASS
GPRS1900	661	VH	TN	25.93	0.013790	2.5	PASS
GPRS1900	810	VL	TN	15.98	0.008368	2.5	PASS
GPRS1900	810	VN	TN	20.70	0.010836	2.5	PASS
GPRS1900	810	VH	TN	24.92	0.013051	2.5	PASS



Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	VN	-30	8.88	0.010772	2.5	PASS
GSM850	128	VN	-20	5.91	0.007169	2.5	PASS
GSM850	128	VN	-10	10.98	0.013319	2.5	PASS
GSM850	128	VN	0	5.23	0.006346	2.5	PASS
GSM850	128	VN	10	10.27	0.012457	2.5	PASS
GSM850	128	VN	20	11.62	0.014102	2.5	PASS
GSM850	128	VN	30	8.98	0.010890	2.5	PASS
GSM850	128	VN	40	5.81	0.007051	2.5	PASS
GSM850	128	VN	50	7.23	0.008775	2.5	PASS
GSM850	190	VN	-30	9.33	0.011153	2.5	PASS
GSM850	190	VN	-20	11.91	0.014240	2.5	PASS
GSM850	190	VN	-10	10.85	0.012967	2.5	PASS
GSM850	190	VN	0	11.11	0.013276	2.5	PASS
GSM850	190	VN	10	10.88	0.013005	2.5	PASS
GSM850	190	VN	20	11.91	0.014240	2.5	PASS
GSM850	190	VN	30	13.53	0.016170	2.5	PASS
GSM850	190	VN	40	5.42	0.006483	2.5	PASS
GSM850	190	VN	50	14.14	0.016903	2.5	PASS
GSM850	251	VN	-30	9.33	0.010993	2.5	PASS
GSM850	251	VN	-20	10.85	0.012780	2.5	PASS
GSM850	251	VN	-10	12.17	0.014340	2.5	PASS
GSM850	251	VN	0	10.78	0.012704	2.5	PASS
GSM850	251	VN	10	5.49	0.006466	2.5	PASS
GSM850	251	VN	20	12.27	0.014454	2.5	PASS
GSM850	251	VN	30	8.68	0.010232	2.5	PASS
GSM850	251	VN	40	11.59	0.013655	2.5	PASS
GSM850	251	VN	50	4.36	0.005135	2.5	PASS
GPRS850	128	VN	-30	5.04	0.006111	2.5	PASS
GPRS850	128	VN	-20	9.46	0.011477	2.5	PASS
GPRS850	128	VN	-10	3.26	0.003956	2.5	PASS
GPRS850	128	VN	0	5.20	0.006307	2.5	PASS
GPRS850	128	VN	10	5.81	0.007051	2.5	PASS
GPRS850	128	VN	20	4.97	0.006033	2.5	PASS
GPRS850	128	VN	30	9.98	0.012104	2.5	PASS
GPRS850	128	VN	40	6.78	0.008226	2.5	PASS
GPRS850	128	VN	50	18.24	0.022132	2.5	PASS
GPRS850	190	VN	-30	9.30	0.011114	2.5	PASS
GPRS850	190	VN	-20	7.72	0.009223	2.5	PASS
GPRS850	190	VN	-10	7.23	0.008645	2.5	PASS
GPRS850	190	VN	0	6.55	0.007834	2.5	PASS
GPRS850	190	VN	10	4.94	0.005905	2.5	PASS
GPRS850	190	VN	20	3.81	0.004554	2.5	PASS
GPRS850	190	VN	30	13.95	0.016672	2.5	PASS
GPRS850	190	VN	40	17.53	0.020955	2.5	PASS
GPRS850	190	VN	50	11.82	0.014125	2.5	PASS
GPRS850	251	VN	-30	7.30	0.008596	2.5	PASS
GPRS850	251	VN	-20	12.30	0.014492	2.5	PASS
GPRS850	251	VN	-10	5.13	0.006048	2.5	PASS
GPRS850	251	VN	0	7.30	0.008596	2.5	PASS
GPRS850	251	VN	10	9.17	0.010803	2.5	PASS
GPRS850	251	VN	20	6.49	0.007645	2.5	PASS



GPRS850	251	VN	30	5.78	0.006809	2.5	PASS
GPRS850	251	VN	40	15.08	0.017763	2.5	PASS
GPRS850	251	VN	50	8.94	0.010536	2.5	PASS
GSM1900	512	VN	-30	27.57	0.014902	2.5	PASS
GSM1900	512	VN	-20	24.89	0.013454	2.5	PASS
GSM1900	512	VN	-10	22.41	0.012110	2.5	PASS
GSM1900	512	VN	0	22.99	0.012424	2.5	PASS
GSM1900	512	VN	10	22.41	0.012110	2.5	PASS
GSM1900	512	VN	20	29.90	0.016159	2.5	PASS
GSM1900	512	VN	30	34.48	0.018637	2.5	PASS
GSM1900	512	VN	40	36.64	0.019806	2.5	PASS
GSM1900	512	VN	50	34.61	0.018706	2.5	PASS
GSM1900	661	VN	-30	22.12	0.011764	2.5	PASS
GSM1900	661	VN	-20	26.51	0.014099	2.5	PASS
GSM1900	661	VN	-10	24.76	0.013172	2.5	PASS
GSM1900	661	VN	0	19.86	0.010562	2.5	PASS
GSM1900	661	VN	10	24.57	0.013069	2.5	PASS
GSM1900	661	VN	20	17.08	0.009085	2.5	PASS
GSM1900	661	VN	30	24.38	0.012966	2.5	PASS
GSM1900	661	VN	40	30.90	0.016435	2.5	PASS
GSM1900	661	VN	50	19.95	0.010613	2.5	PASS
GSM1900	810	VN	-30	25.18	0.013186	2.5	PASS
GSM1900	810	VN	-20	21.70	0.011360	2.5	PASS
GSM1900	810	VN	-10	17.01	0.008909	2.5	PASS
GSM1900	810	VN	0	20.28	0.010617	2.5	PASS
GSM1900	810	VN	10	22.60	0.011834	2.5	PASS
GSM1900	810	VN	20	26.96	0.014116	2.5	PASS
GSM1900	810	VN	30	14.11	0.007388	2.5	PASS
GSM1900	810	VN	40	8.81	0.004615	2.5	PASS
GSM1900	810	VN	50	30.12	0.015773	2.5	PASS
GPRS1900	512	VN	-30	21.70	0.011726	2.5	PASS
GPRS1900	512	VN	-20	21.50	0.011622	2.5	PASS
GPRS1900	512	VN	-10	15.46	0.008359	2.5	PASS
GPRS1900	512	VN	0	26.57	0.014361	2.5	PASS
GPRS1900	512	VN	10	26.15	0.014134	2.5	PASS
GPRS1900	512	VN	20	29.48	0.015932	2.5	PASS
GPRS1900	512	VN	30	31.48	0.017014	2.5	PASS
GPRS1900	512	VN	40	26.12	0.014117	2.5	PASS
GPRS1900	512	VN	50	38.26	0.020678	2.5	PASS
GPRS1900	661	VN	-30	14.88	0.007917	2.5	PASS
GPRS1900	661	VN	-20	18.60	0.009892	2.5	PASS
GPRS1900	661	VN	-10	20.60	0.010957	2.5	PASS
GPRS1900	661	VN	0	20.02	0.010647	2.5	PASS
GPRS1900	661	VN	10	22.92	0.012193	2.5	PASS
GPRS1900	661	VN	20	11.85	0.006303	2.5	PASS
GPRS1900	661	VN	30	20.73	0.011025	2.5	PASS
GPRS1900	661	VN	40	29.44	0.015662	2.5	PASS
GPRS1900	661	VN	50	33.93	0.018049	2.5	PASS
GPRS1900	810	VN	-30	26.31	0.013778	2.5	PASS
GPRS1900	810	VN	-20	29.19	0.015282	2.5	PASS
GPRS1900	810	VN	-10	22.86	0.011969	2.5	PASS
GPRS1900	810	VN	0	23.02	0.012054	2.5	PASS
GPRS1900	810	VN	10	16.34	0.008554	2.5	PASS
GPRS1900	810	VN	20	21.28	0.011141	2.5	PASS
GPRS1900	810	VN	30	6.30	0.003297	2.5	PASS



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GPRS1900	810	VN	40	29.67	0.015536	2.5	PASS
GPRS1900	810	VN	50	18.11	0.009484	2.5	PASS

-----End of the Report -----