

Appendix clause	Test item	Result
A	Conducted Output Power	PASS
B	Peak-to-Average Ratio	PASS
C	26 dB Bandwidth and Occupied Bandwidth	PASS
D	Band edge	PASS
E	Conducted Spurious Emission	PASS
F	Frequency Stability	PASS

8.1 Appendix A: Conducted Output Power

Test Result

Band	Channel	PCL	Power(dBm)	Limit(dBm)	Verdict
GSM850	128	5	32.99	38.5	PASS
GSM850	190	5	32.98	38.5	PASS
GSM850	251	5	33.27	38.5	PASS
GSM1900	512	0	29.46	33	PASS
GSM1900	661	0	29.96	33	PASS
GSM1900	810	0	30.27	33	PASS

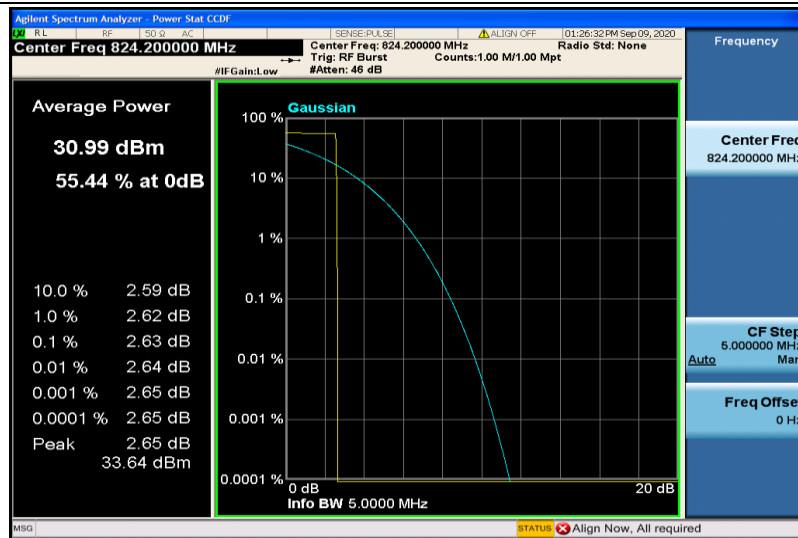
Band	Channel	PCL	Slot	Power(dBm)	Limit(dBm)	Verdict
GPRS850	128	5	1	32.57	38.5	PASS
GPRS850	128	5	2	31.95	38.5	PASS
GPRS850	128	5	3	30.25	38.5	PASS
GPRS850	128	5	4	28.91	38.5	PASS
GPRS850	190	5	1	32.55	38.5	PASS
GPRS850	190	5	2	31.90	38.5	PASS
GPRS850	190	5	3	30.14	38.5	PASS
GPRS850	190	5	4	28.71	38.5	PASS
GPRS850	251	5	1	32.81	38.5	PASS
GPRS850	251	5	2	32.18	38.5	PASS
GPRS850	251	5	3	30.49	38.5	PASS
GPRS850	251	5	4	29.10	38.5	PASS
GPRS1900	512	0	1	29.15	33	PASS
GPRS1900	512	0	2	28.44	33	PASS
GPRS1900	512	0	3	26.26	33	PASS
GPRS1900	512	0	4	24.67	33	PASS
GPRS1900	661	0	1	29.65	33	PASS
GPRS1900	661	0	2	28.98	33	PASS
GPRS1900	661	0	3	26.93	33	PASS
GPRS1900	661	0	4	25.43	33	PASS
GPRS1900	810	0	1	29.96	33	PASS
GPRS1900	810	0	2	29.34	33	PASS
GPRS1900	810	0	3	27.41	33	PASS
GPRS1900	810	0	4	25.99	33	PASS

8.2 Appendix B: Peak-to-Average Ratio

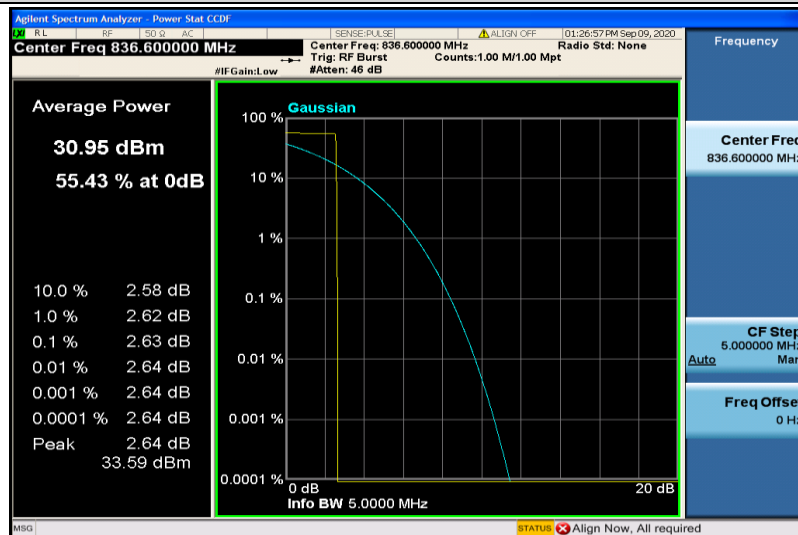
Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dBm)	Verdict
GSM850	128	2.63	13	PASS
GSM850	190	2.63	13	PASS
GSM850	251	2.64	13	PASS
GPRS850	128	2.62	13	PASS
GPRS850	190	2.62	13	PASS
GPRS850	251	2.63	13	PASS
GSM1900	512	2.64	13	PASS
GSM1900	661	2.64	13	PASS
GSM1900	810	2.65	13	PASS
GPRS1900	512	2.64	13	PASS
GPRS1900	661	2.64	13	PASS
GPRS1900	810	2.65	13	PASS

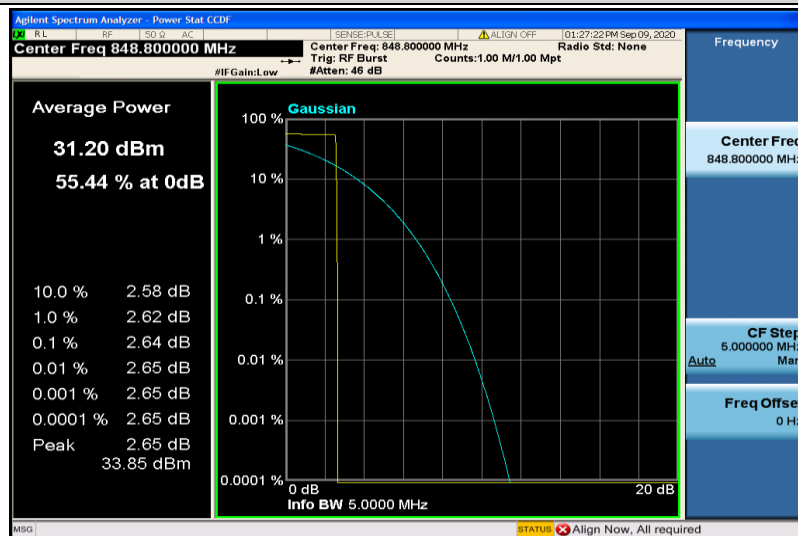
Test Graphs



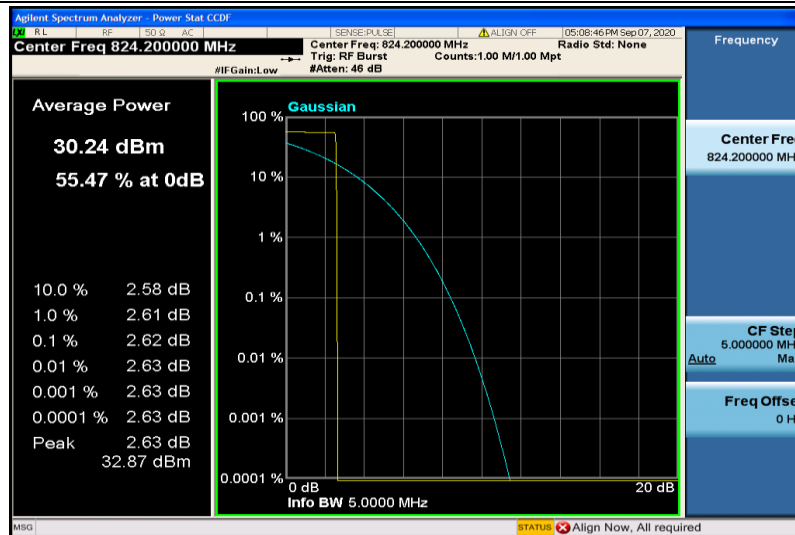
GSM850-128



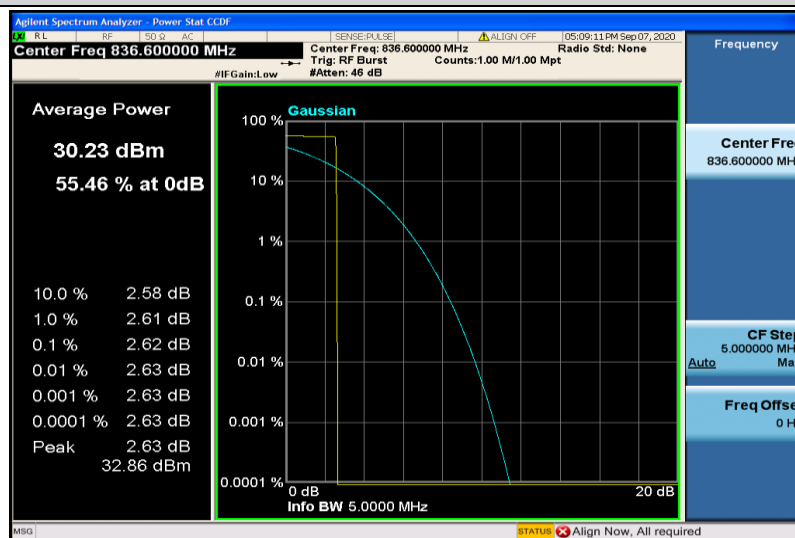
GSM850-190



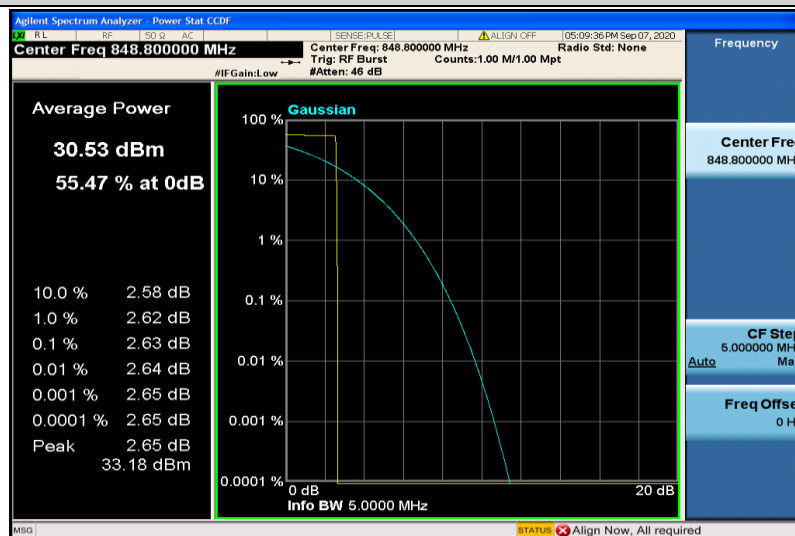
GSM850-251



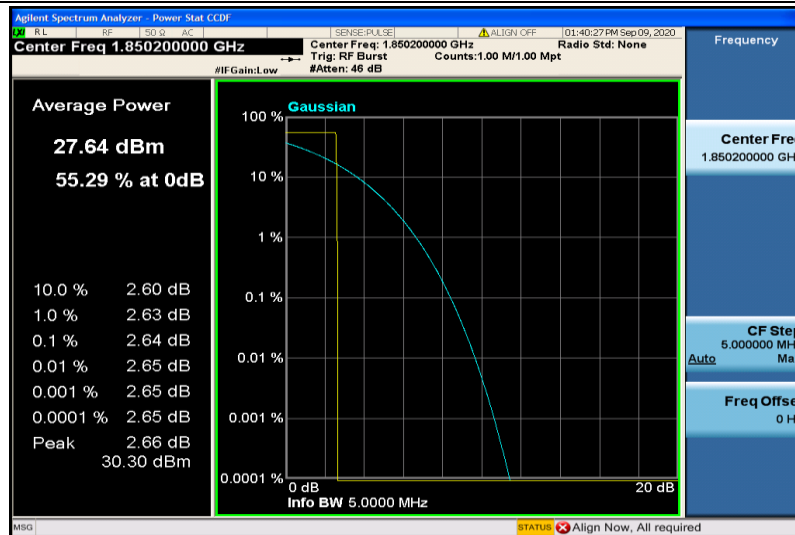
GPRS850-128



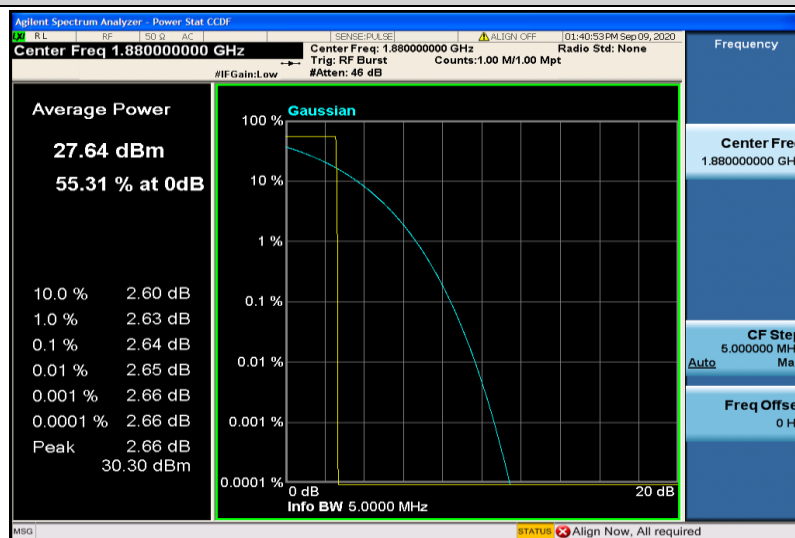
GPRS850-190



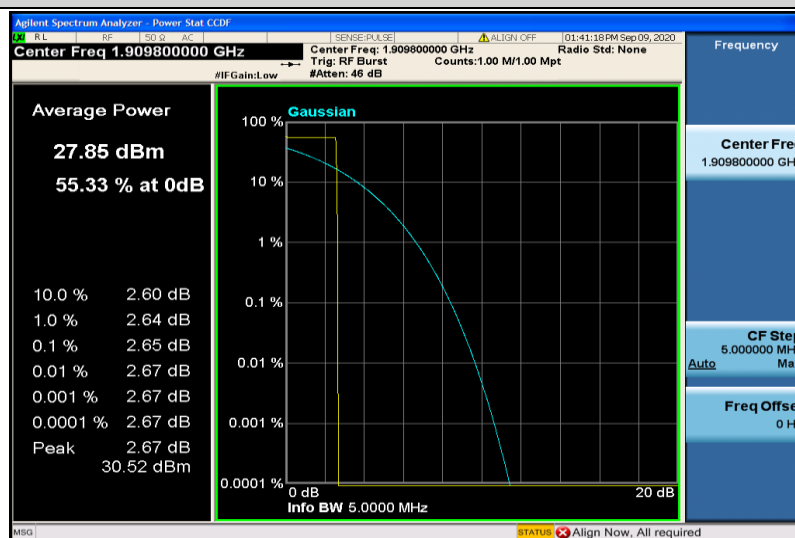
GPRS850-251



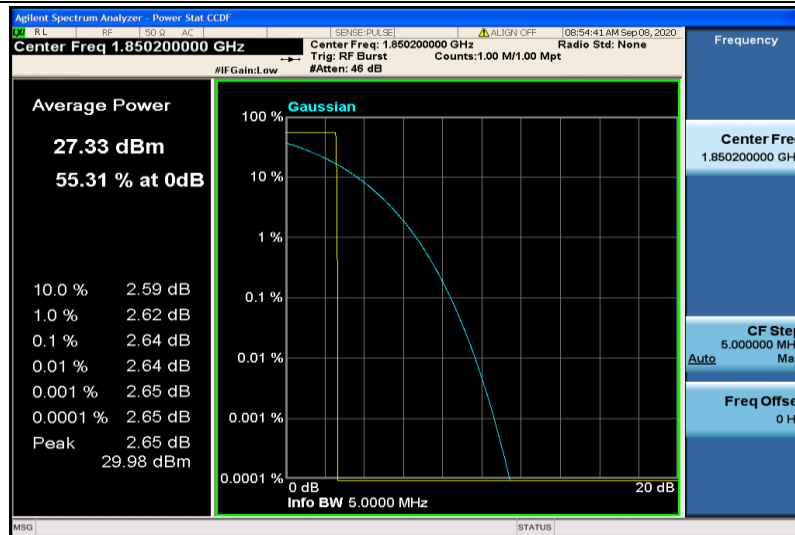
GSM1900-512



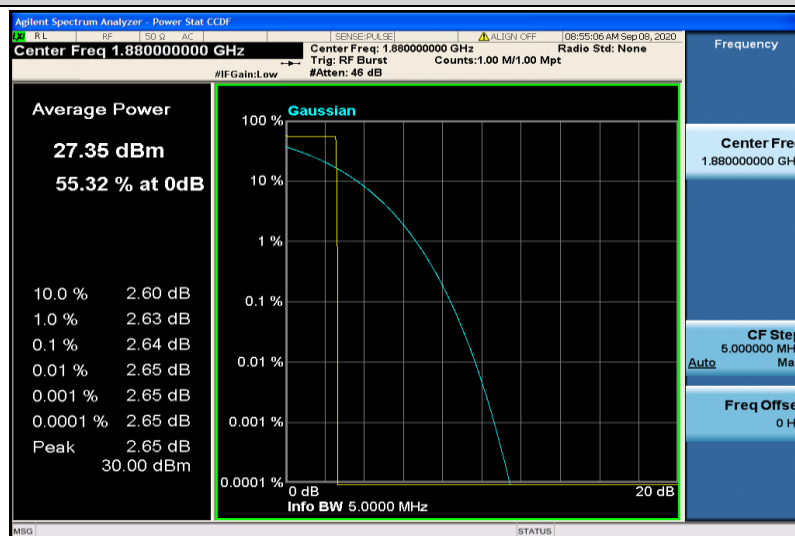
GSM1900-661



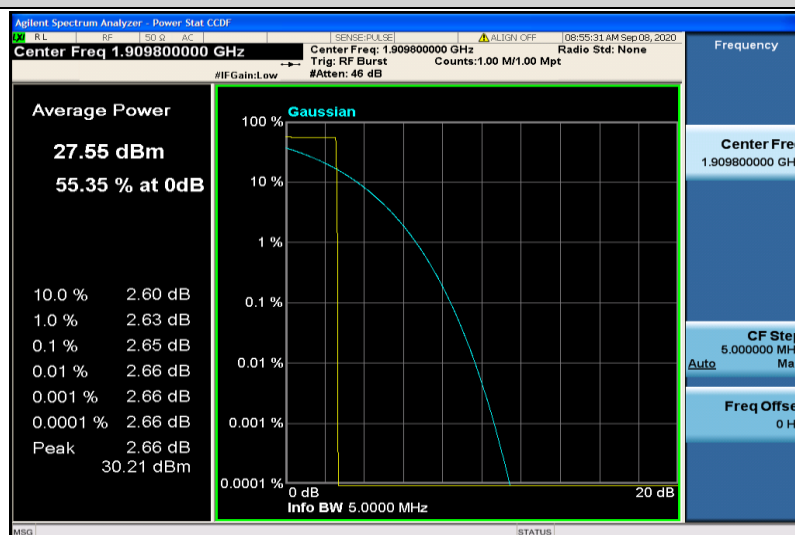
GSM1900-810



GPRS1900-512



GPRS1900-661



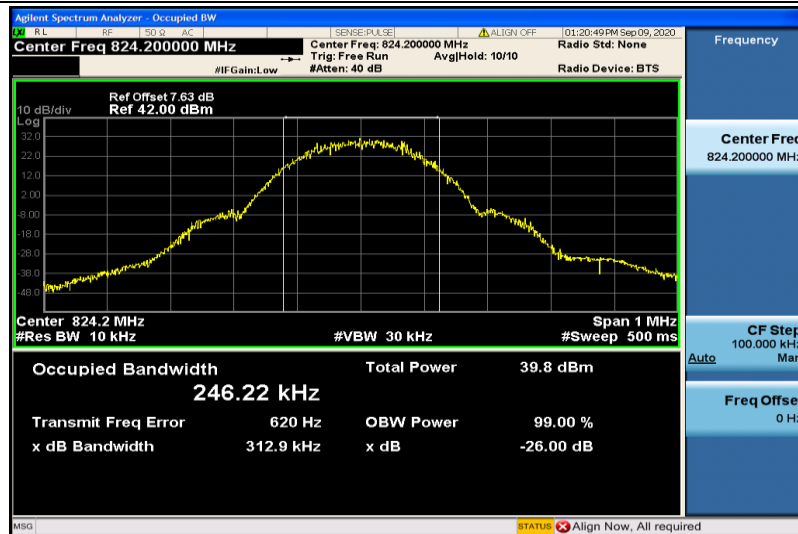
GPRS1900-810

8.3 Appendix C: 26dB Bandwidth and Occupied Bandwidth

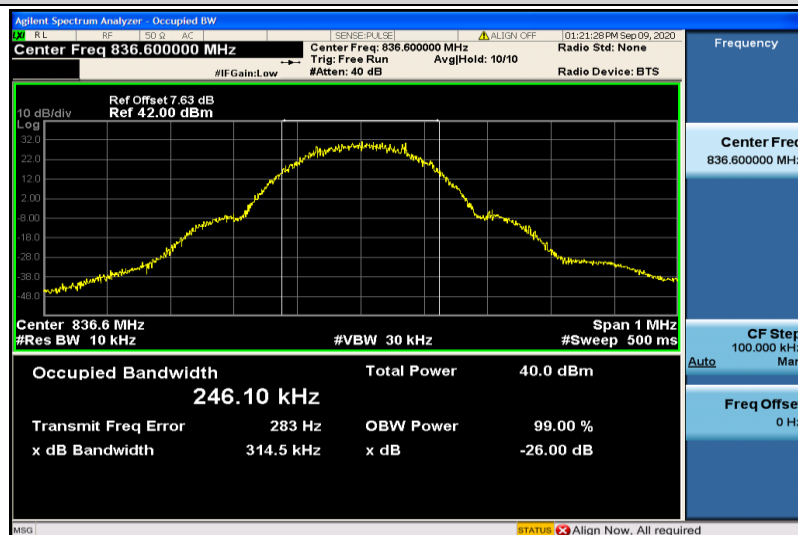
Test Result

Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
GSM850	128	246.22	312.9	---	PASS
GSM850	190	246.10	314.5	---	PASS
GSM850	251	246.72	318.3	---	PASS
GPRS850	128	245.71	313.1	---	PASS
GPRS850	190	245.40	314.6	---	PASS
GPRS850	251	245.04	318.3	---	PASS
GSM1900	512	245.48	313.2	---	PASS
GSM1900	661	246.85	315.4	---	PASS
GSM1900	810	244.58	313.0	---	PASS
GPRS1900	512	247.13	315.4	---	PASS
GPRS1900	661	245.60	316.9	---	PASS
GPRS1900	810	245.76	316.1	---	PASS

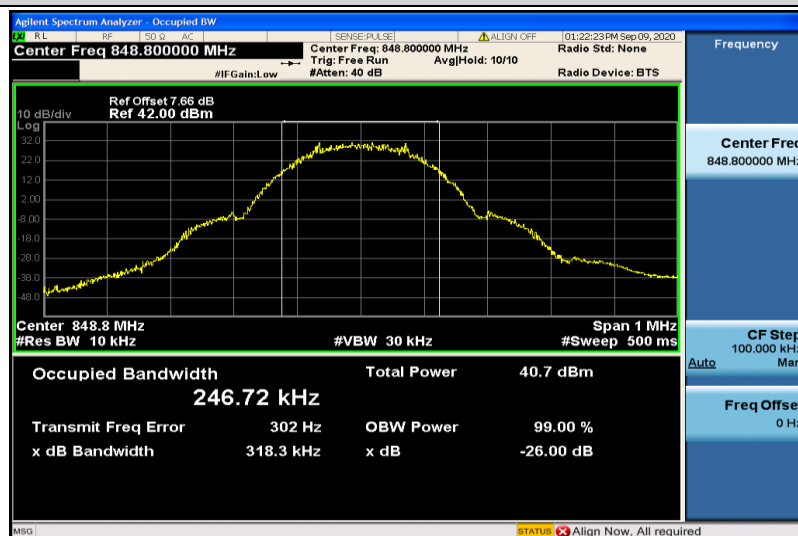
Test Graphs



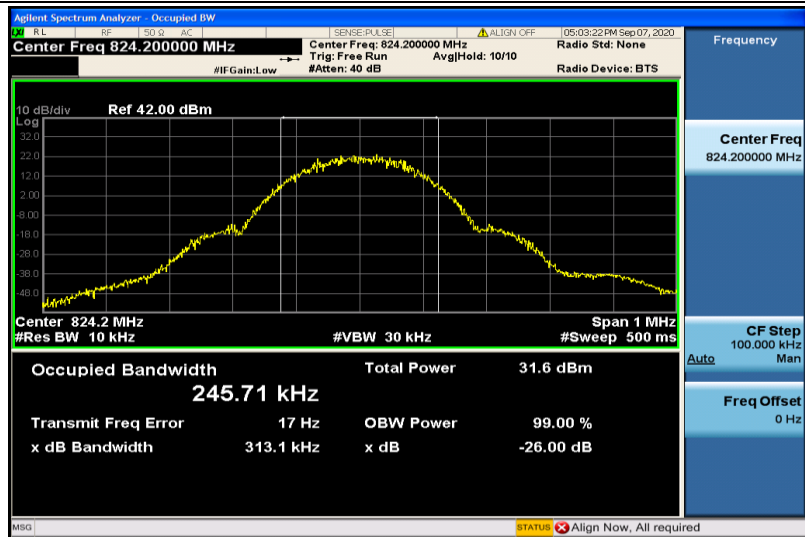
GSM850-128



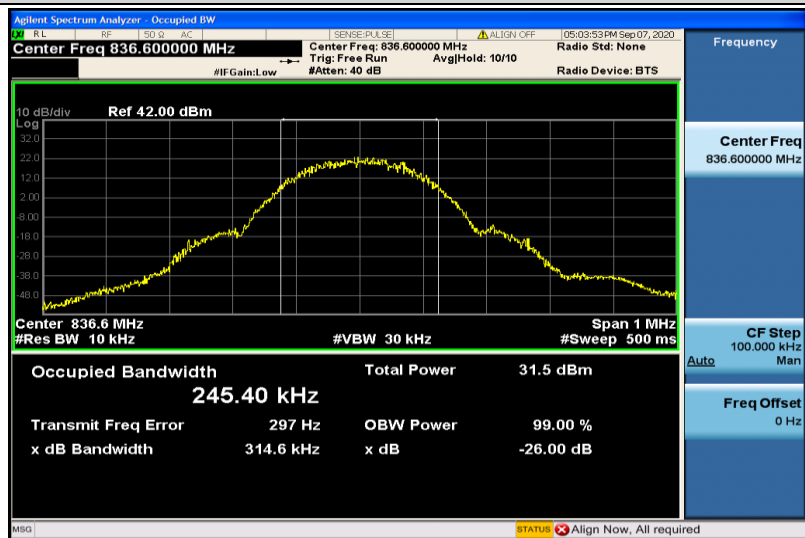
GSM850-190



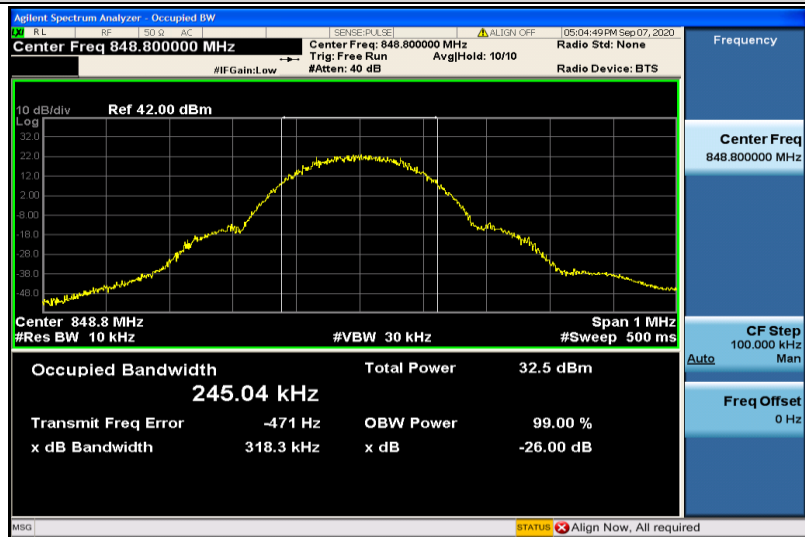
GSM850-251



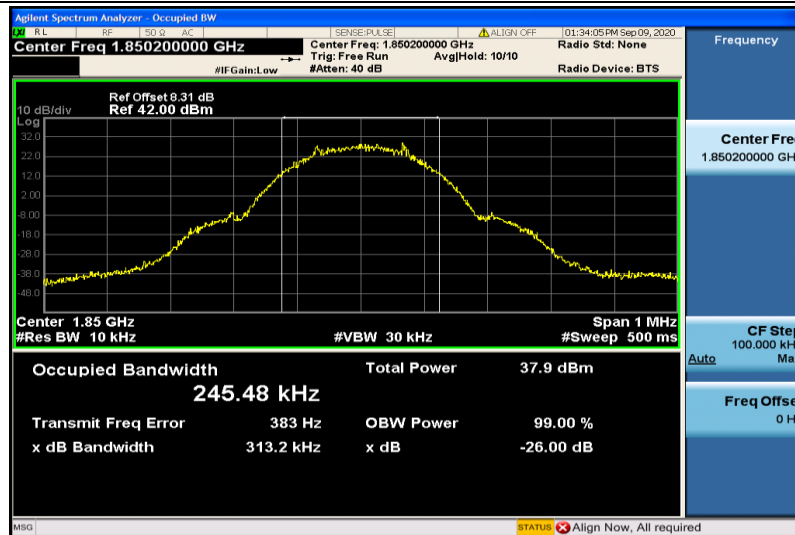
GPRS850-128



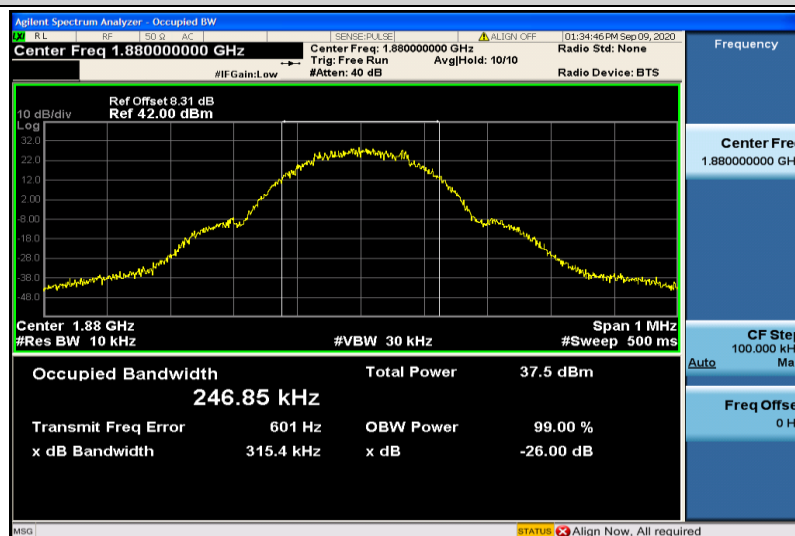
GPRS850-190



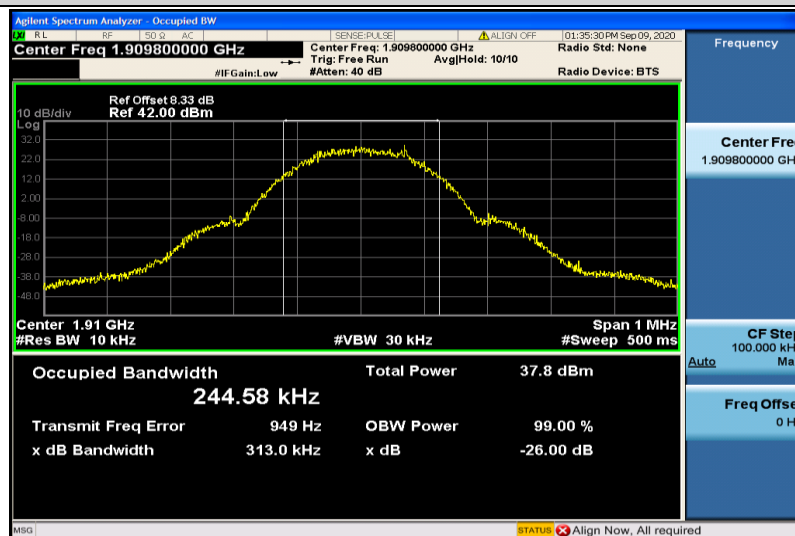
GPRS850-251



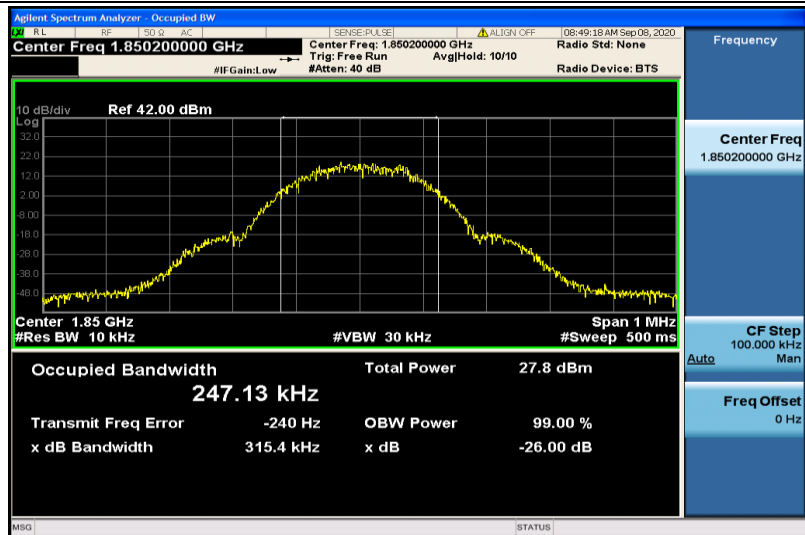
GSM1900-512



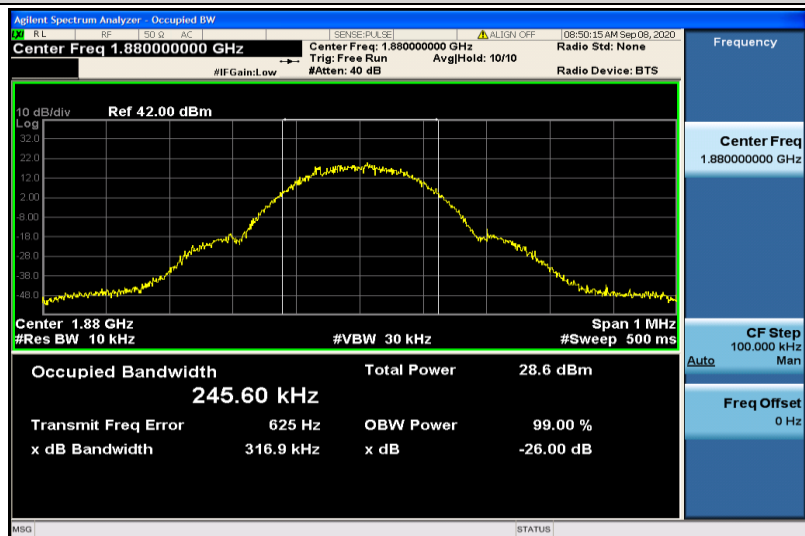
GSM1900-661



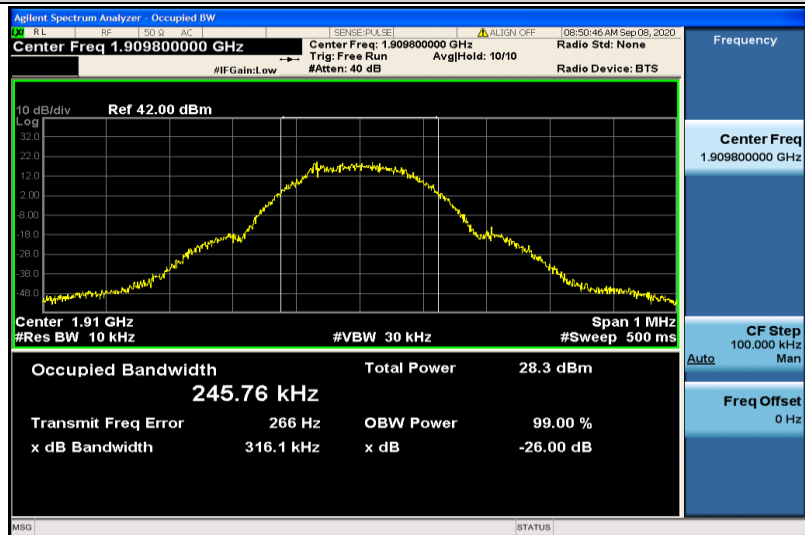
GSM1900-810



GPRS1900-512



GPRS1900-661



GPRS1900-810

8.4 Appendix D: Band Edge

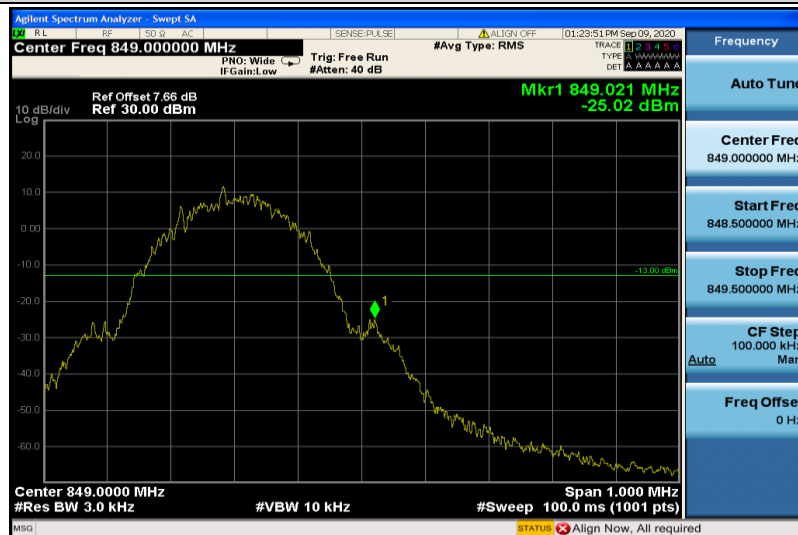
Test Result

Band	Channel	Value(dBm)	Limit(dBm)	Verdict
GSM850	128	-25.85	-13	PASS
GSM850	251	-25.02	-13	PASS
GPRS850	128	-27.57	-13	PASS
GPRS850	251	-26.34	-13	PASS
GSM1900	512	-28.19	-13	PASS
GSM1900	810	-27.95	-13	PASS
GPRS1900	512	-30.02	-13	PASS
GPRS1900	810	-29.52	-13	PASS

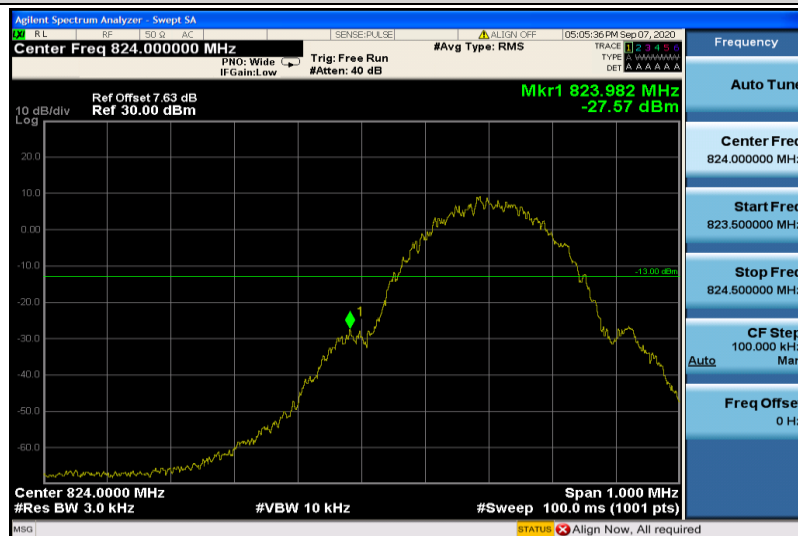
Test Graphs



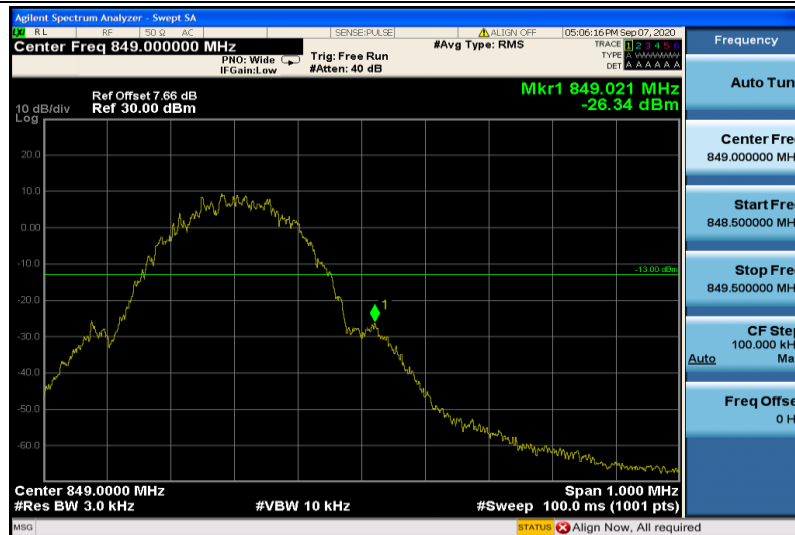
GSM850-128



GSM850-251



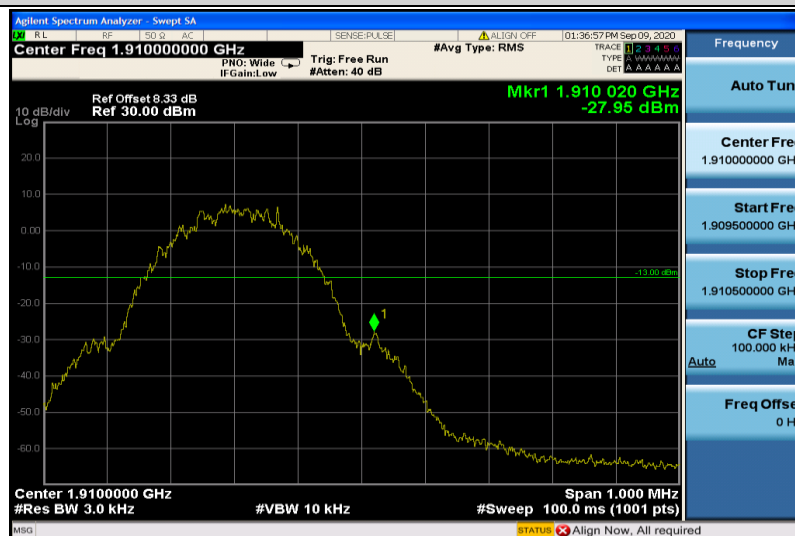
GPRS850-128



GPRS850-251



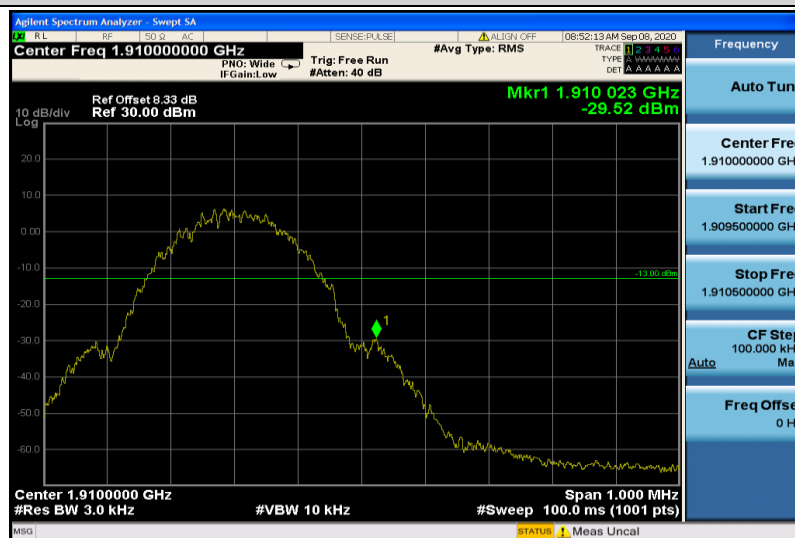
GSM1900-512



GSM1900-810



GPRS1900-512



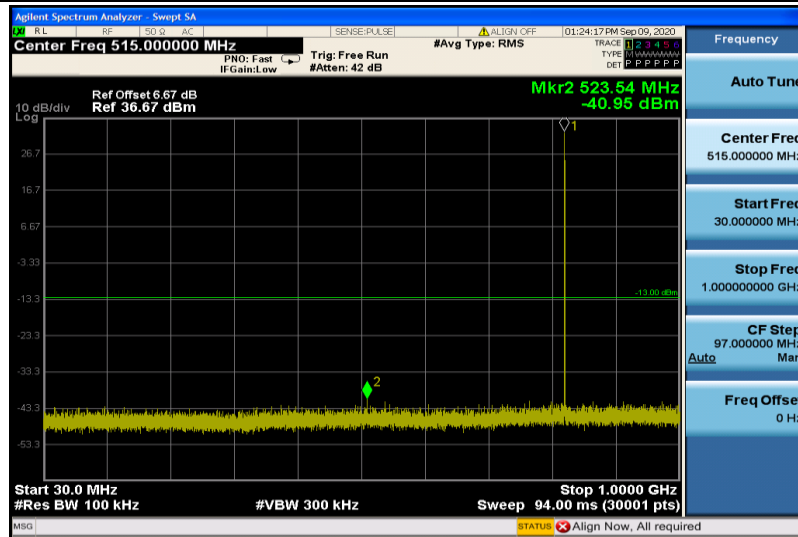
GPRS1900-810

8.5 Appendix E: Conducted Spurious Emission

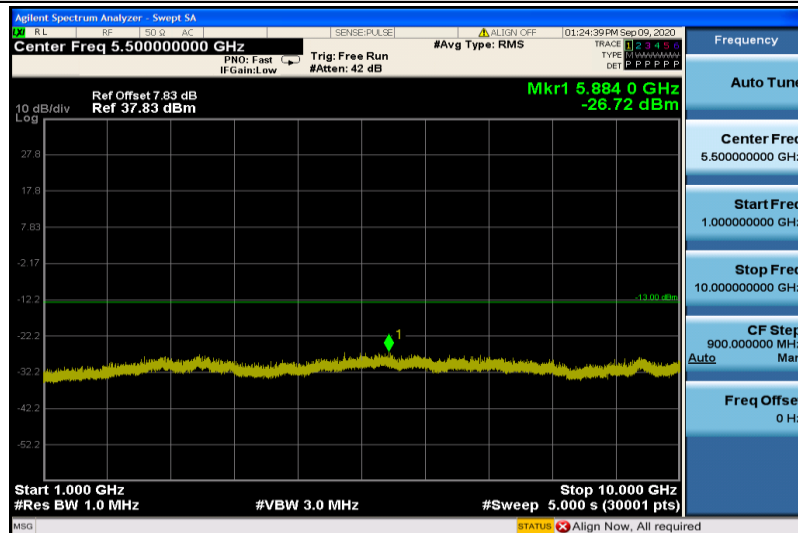
Test Result

Band	Channel	Frequency Range(Mhz)	Value(dBm)	Limit(dBm)	Verdict
GSM850	128	30~1000	-40.95	-13	PASS
GSM850	128	1000~10000	-26.72	-13	PASS
GSM850	190	30~1000	-40.44	-13	PASS
GSM850	190	1000~10000	-26.60	-13	PASS
GSM850	251	30~1000	-41.14	-13	PASS
GSM850	251	1000~10000	-26.82	-13	PASS
GPRS850	128	30~1000	-41.33	-13	PASS
GPRS850	128	1000~10000	-26.12	-13	PASS
GPRS850	190	30~1000	-41.37	-13	PASS
GPRS850	190	1000~10000	-26.12	-13	PASS
GPRS850	251	30~1000	-41.45	-13	PASS
GPRS850	251	1000~10000	-26.15	-13	PASS
GSM1900	512	30~1000	-41.39	-13	PASS
GSM1900	512	1000~20000	-19.82	-13	PASS
GSM1900	661	30~1000	-40.83	-13	PASS
GSM1900	661	1000~20000	-19.56	-13	PASS
GSM1900	810	30~1000	-41.18	-13	PASS
GSM1900	810	1000~20000	-19.73	-13	PASS
GPRS1900	512	30~1000	-41.61	-13	PASS
GPRS1900	512	1000~20000	-20.46	-13	PASS
GPRS1900	661	30~1000	-41.44	-13	PASS
GPRS1900	661	1000~20000	-20.42	-13	PASS
GPRS1900	810	30~1000	-42.00	-13	PASS
GPRS1900	810	1000~20000	-20.73	-13	PASS

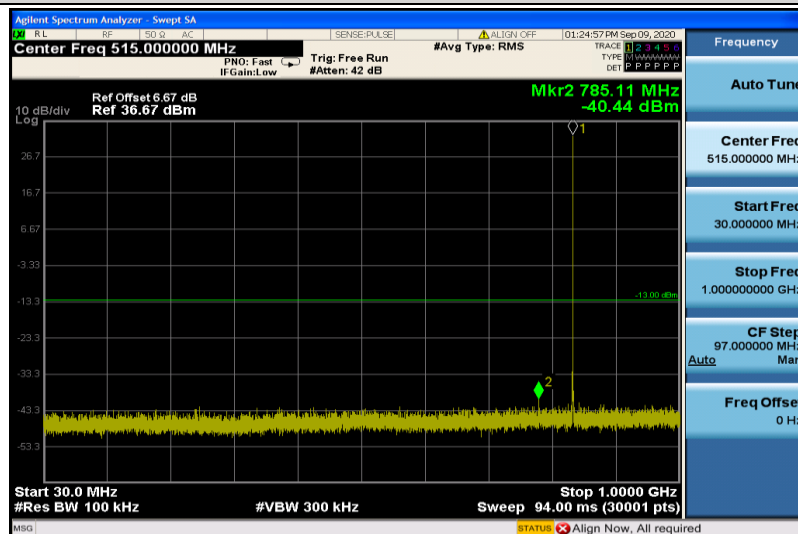
Test Graphs



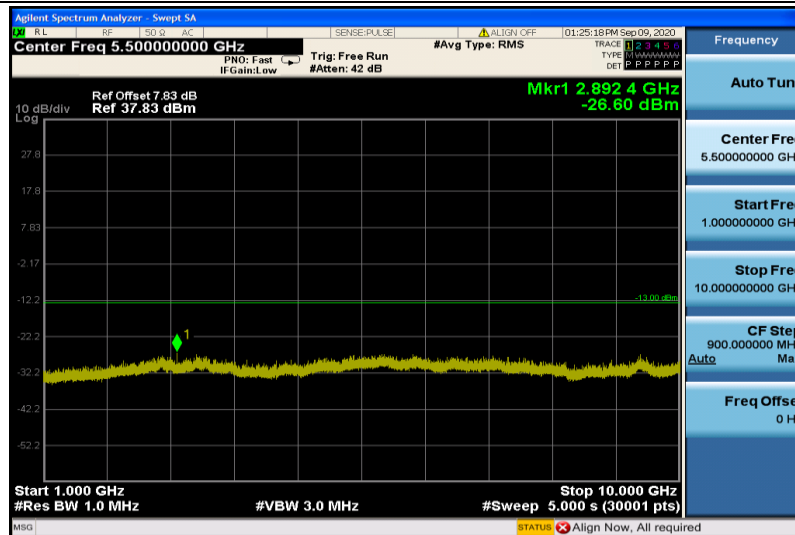
GSM850-128-30~1000



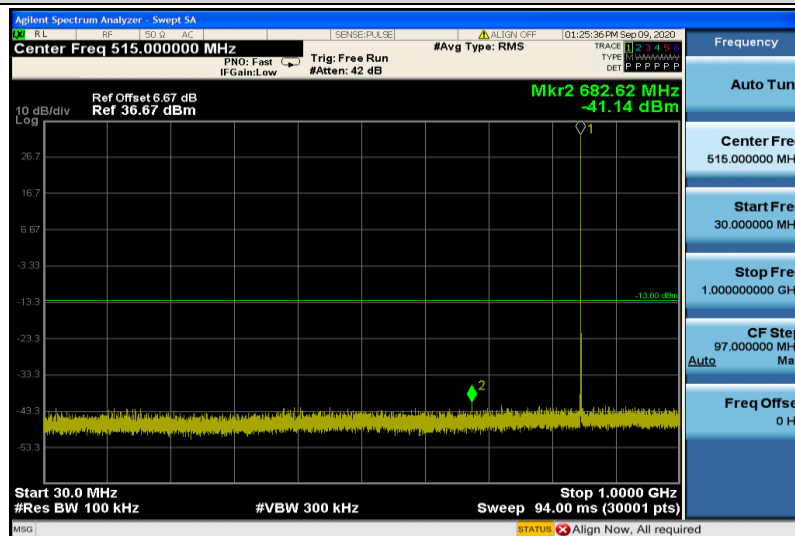
GSM850-128-1000~10000



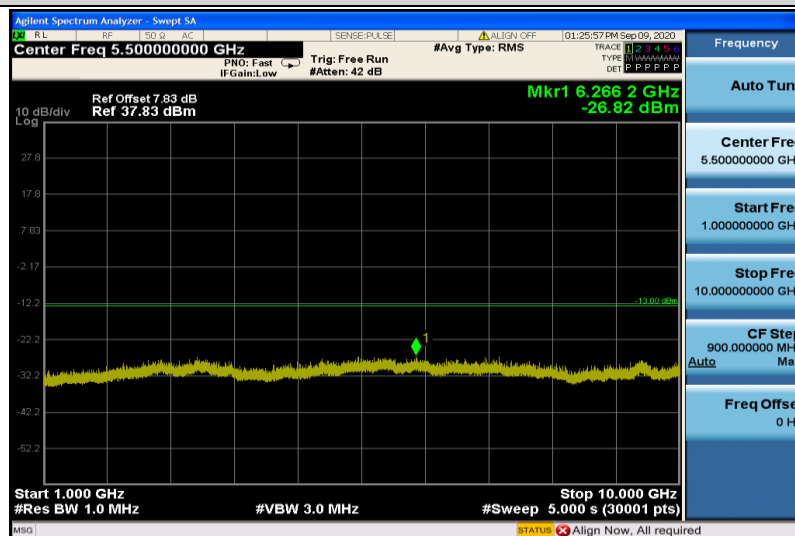
GSM850-190-30~1000



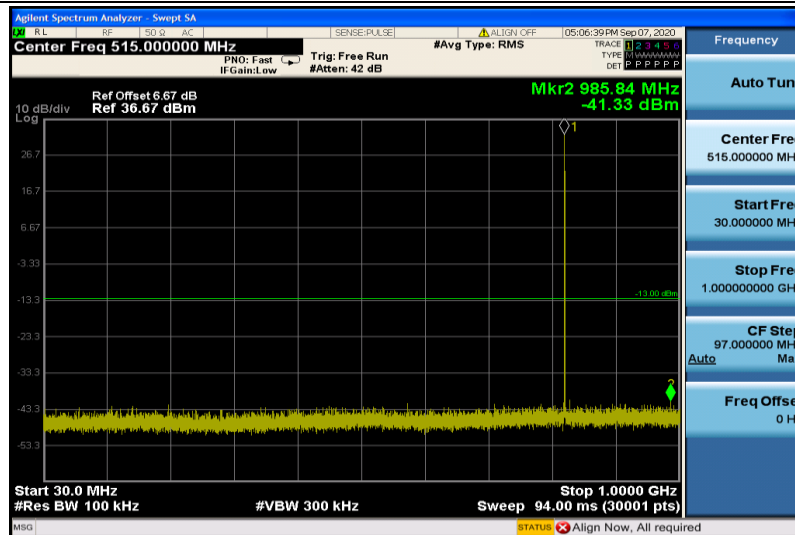
GSM850-190-1000~10000



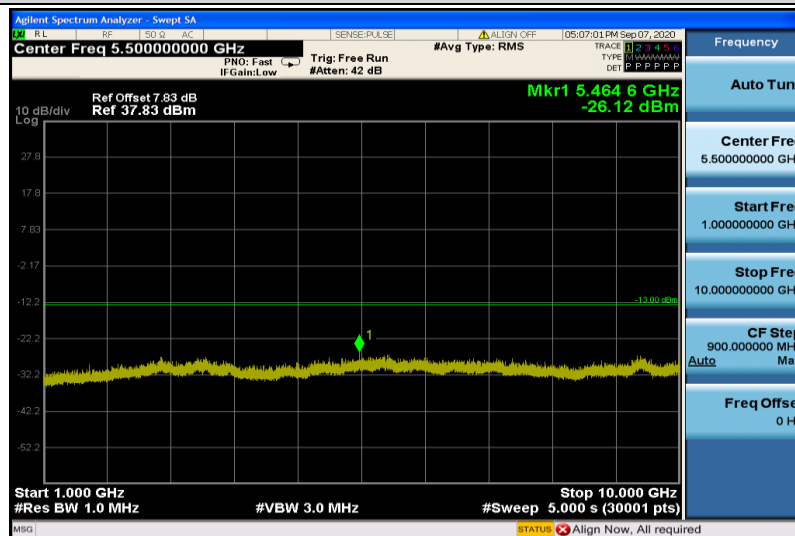
GSM850-251-30~1000



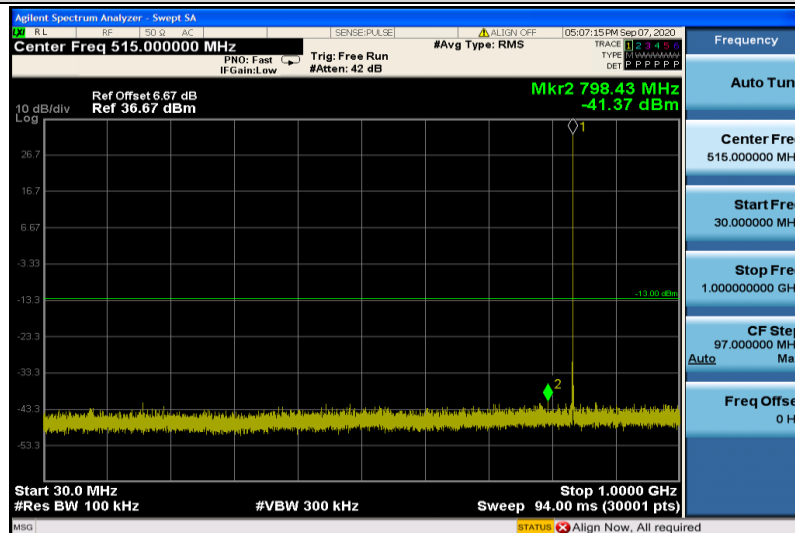
GSM850-251-1000~10000



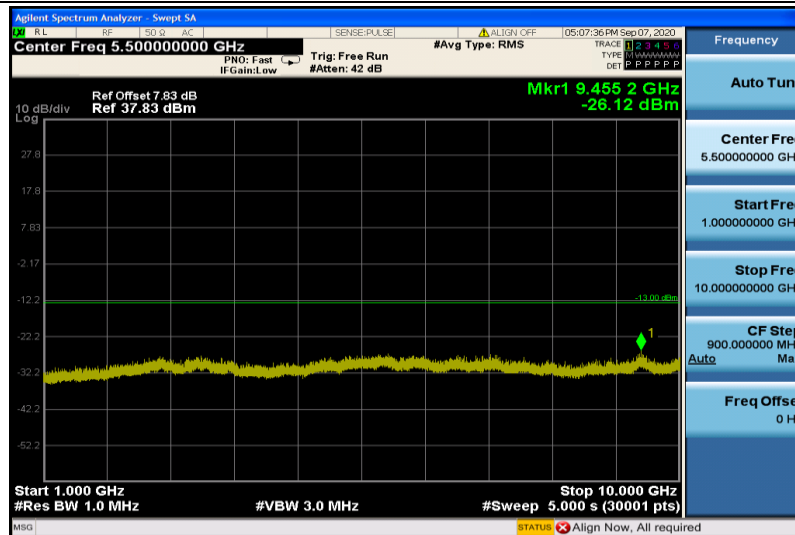
GPRS850-128-30~1000



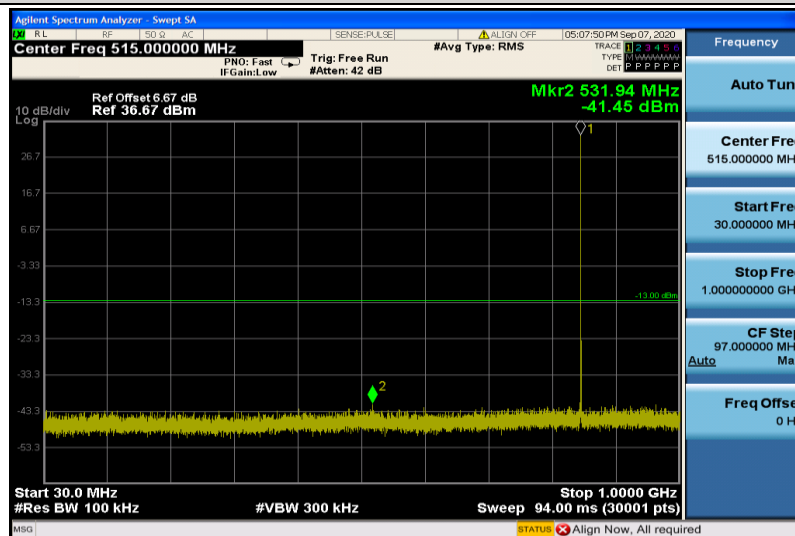
GPRS850-128-1000~10000



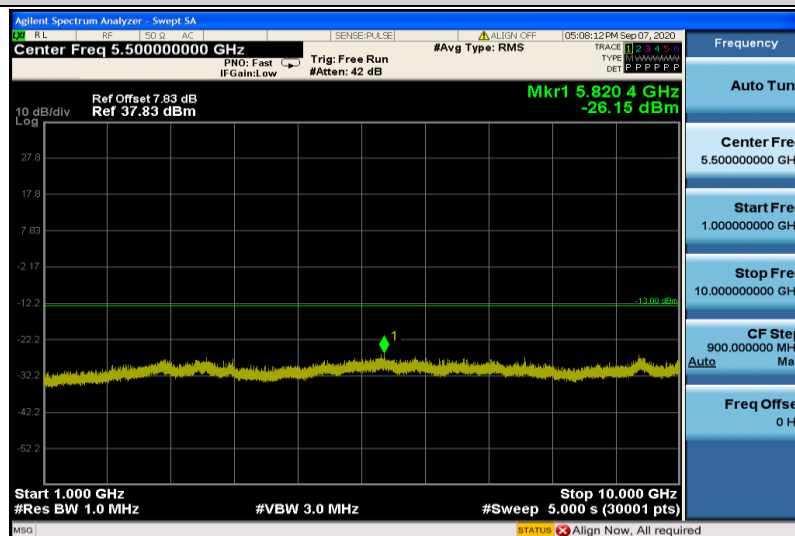
GPRS850-190-30~1000



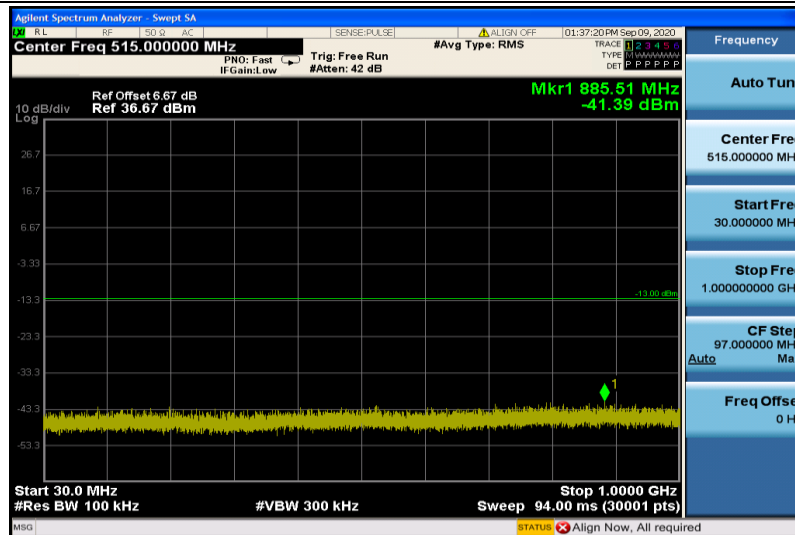
GPRS850-190-1000~10000



GPRS850-251-30~1000



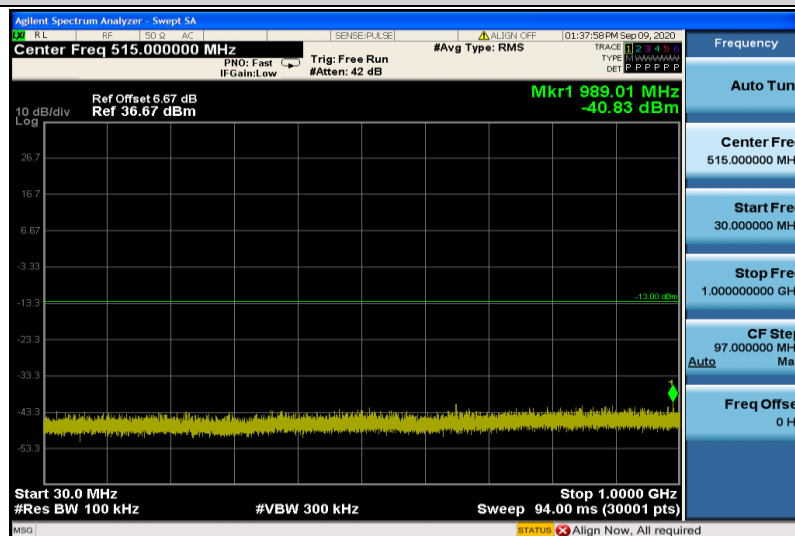
GPRS850-251-1000~10000



GSM1900-512-30~1000



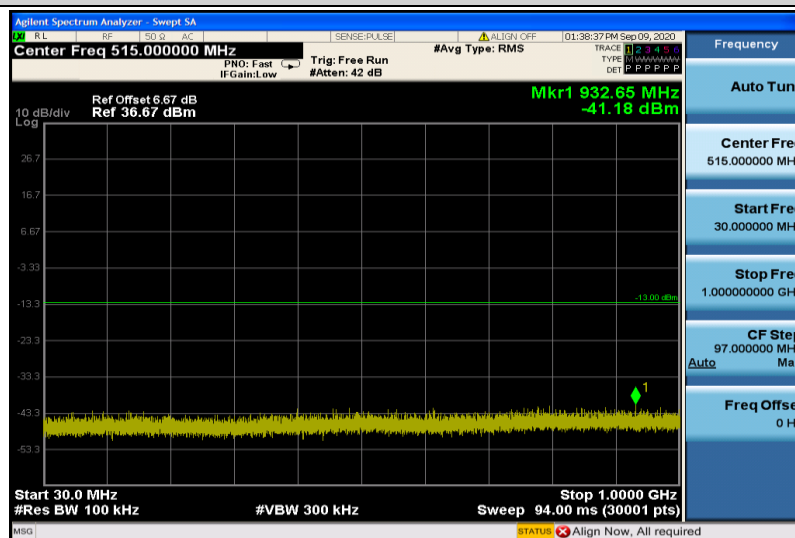
GSM1900-512-1000~20000



GSM1900-661-30~1000



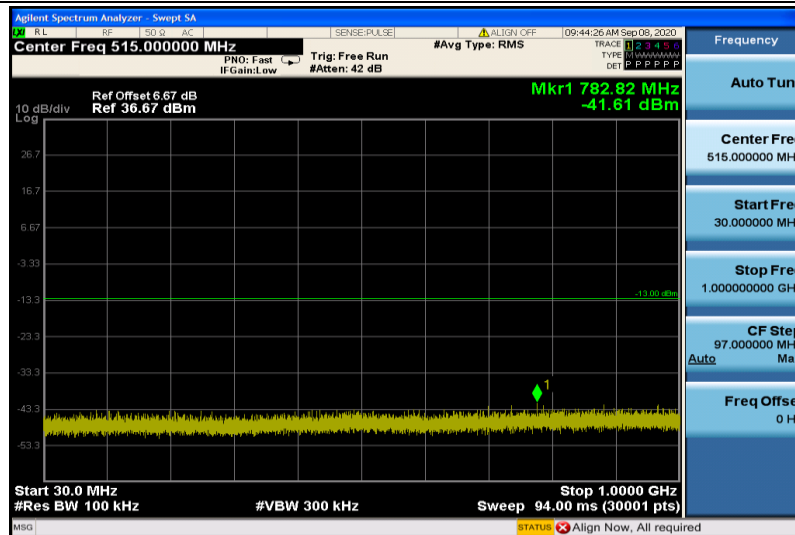
GSM1900-661-1000~20000



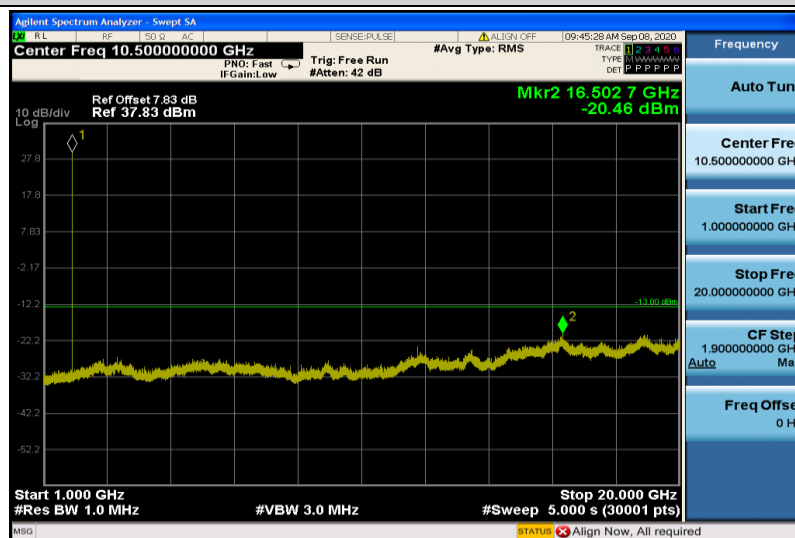
GSM1900-810-30~1000



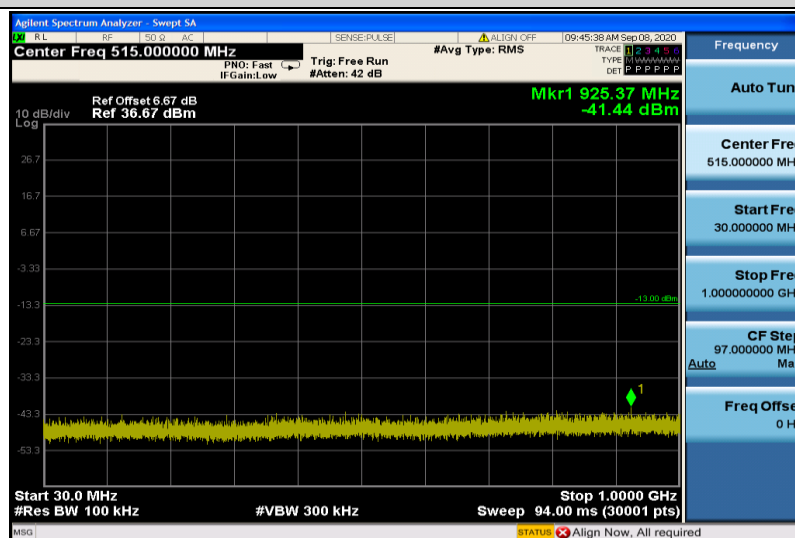
GSM1900-810-1000~20000



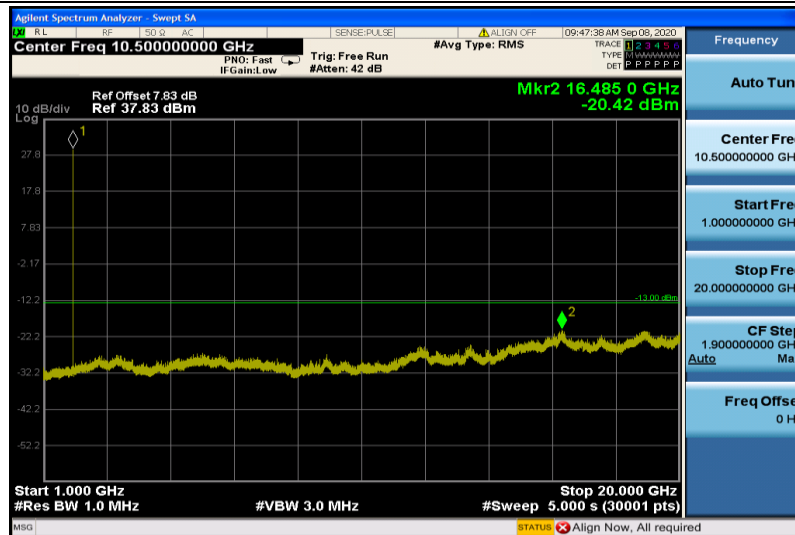
GPRS1900-512-30~1000



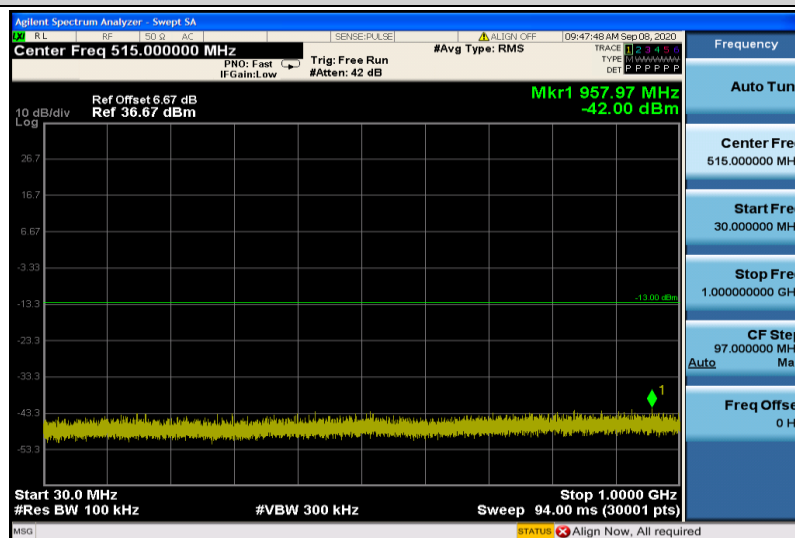
GPRS1900-512-1000~20000



GPRS1900-661-30~1000



GPRS1900-661-1000~20000



GPRS1900-810-30~1000



GPRS1900-810-1000~20000

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	7.23	0.008772	2.5	PASS
GSM850	128	VN	TN	6.84	0.008299	2.5	PASS
GSM850	128	VH	TN	10.94	0.013273	2.5	PASS
GSM850	190	VL	TN	8.81	0.010531	2.5	PASS
GSM850	190	VN	TN	14.59	0.017440	2.5	PASS
GSM850	190	VH	TN	11.14	0.013316	2.5	PASS
GSM850	251	VL	TN	9.78	0.011522	2.5	PASS
GSM850	251	VN	TN	15.79	0.018603	2.5	PASS
GSM850	251	VH	TN	11.14	0.013124	2.5	PASS
GPRS850	128	VL	TN	4.62	0.005605	2.5	PASS
GPRS850	128	VN	TN	15.72	0.019073	2.5	PASS
GPRS850	128	VH	TN	13.75	0.016683	2.5	PASS
GPRS850	190	VL	TN	16.72	0.019986	2.5	PASS
GPRS850	190	VN	TN	10.07	0.012037	2.5	PASS
GPRS850	190	VH	TN	3.78	0.004518	2.5	PASS
GPRS850	251	VL	TN	7.97	0.009390	2.5	PASS
GPRS850	251	VN	TN	14.75	0.017377	2.5	PASS
GPRS850	251	VH	TN	4.42	0.005207	2.5	PASS
GSM1900	512	VL	TN	36.13	0.019528	2.5	PASS
GSM1900	512	VN	TN	33.25	0.017971	2.5	PASS
GSM1900	512	VH	TN	33.03	0.017852	2.5	PASS
GSM1900	661	VL	TN	30.15	0.016037	2.5	PASS
GSM1900	661	VN	TN	27.25	0.014495	2.5	PASS
GSM1900	661	VH	TN	26.67	0.014186	2.5	PASS
GSM1900	810	VL	TN	29.09	0.015232	2.5	PASS
GSM1900	810	VN	TN	30.12	0.015771	2.5	PASS
GSM1900	810	VH	TN	28.28	0.014808	2.5	PASS
GPRS1900	512	VL	TN	27.09	0.014642	2.5	PASS
GPRS1900	512	VN	TN	29.44	0.015912	2.5	PASS
GPRS1900	512	VH	TN	34.38	0.018582	2.5	PASS
GPRS1900	661	VL	TN	32.96	0.017532	2.5	PASS
GPRS1900	661	VN	TN	22.54	0.011989	2.5	PASS
GPRS1900	661	VH	TN	24.73	0.013154	2.5	PASS
GPRS1900	810	VL	TN	14.85	0.007776	2.5	PASS
GPRS1900	810	VN	TN	17.72	0.009278	2.5	PASS
GPRS1900	810	VH	TN	22.05	0.011546	2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	VN	-30	8.75	0.010616	2.5	PASS
GSM850	128	VN	-20	11.14	0.013516	2.5	PASS
GSM850	128	VN	-10	7.81	0.009476	2.5	PASS
GSM850	128	VN	0	-0.32	-0.000388	2.5	PASS
GSM850	128	VN	10	3.10	0.003761	2.5	PASS
GSM850	128	VN	20	9.52	0.011551	2.5	PASS
GSM850	128	VN	30	12.14	0.014729	2.5	PASS
GSM850	128	VN	40	6.04	0.007328	2.5	PASS
GSM850	128	VN	50	4.88	0.005921	2.5	PASS
GSM850	190	VN	-30	9.36	0.011188	2.5	PASS
GSM850	190	VN	-20	9.04	0.010806	2.5	PASS
GSM850	190	VN	-10	7.97	0.009527	2.5	PASS
GSM850	190	VN	0	2.74	0.003275	2.5	PASS
GSM850	190	VN	10	10.43	0.012467	2.5	PASS
GSM850	190	VN	20	3.75	0.004482	2.5	PASS
GSM850	190	VN	30	6.91	0.008260	2.5	PASS
GSM850	190	VN	40	8.30	0.009921	2.5	PASS
GSM850	190	VN	50	5.10	0.006096	2.5	PASS
GSM850	251	VN	-30	13.27	0.015634	2.5	PASS
GSM850	251	VN	-20	12.95	0.015257	2.5	PASS
GSM850	251	VN	-10	9.17	0.010803	2.5	PASS
GSM850	251	VN	0	3.26	0.003841	2.5	PASS
GSM850	251	VN	10	8.75	0.010309	2.5	PASS
GSM850	251	VN	20	8.88	0.010462	2.5	PASS
GSM850	251	VN	30	10.91	0.012853	2.5	PASS
GSM850	251	VN	40	5.33	0.006279	2.5	PASS
GSM850	251	VN	50	8.91	0.010497	2.5	PASS
GPRS850	128	VN	-30	16.72	0.020286	2.5	PASS
GPRS850	128	VN	-20	15.82	0.019194	2.5	PASS
GPRS850	128	VN	-10	9.88	0.011987	2.5	PASS
GPRS850	128	VN	0	10.88	0.013201	2.5	PASS
GPRS850	128	VN	10	20.99	0.025467	2.5	PASS
GPRS850	128	VN	20	23.44	0.028440	2.5	PASS
GPRS850	128	VN	30	16.21	0.019668	2.5	PASS
GPRS850	128	VN	40	19.24	0.023344	2.5	PASS
GPRS850	128	VN	50	18.44	0.022373	2.5	PASS
GPRS850	190	VN	-30	5.91	0.007064	2.5	PASS
GPRS850	190	VN	-20	6.01	0.007184	2.5	PASS
GPRS850	190	VN	-10	8.49	0.010148	2.5	PASS
GPRS850	190	VN	0	7.94	0.009491	2.5	PASS

GPRS850	190	VN	10	12.82	0.015324	2.5	PASS
GPRS850	190	VN	20	10.98	0.013125	2.5	PASS
GPRS850	190	VN	30	21.44	0.025628	2.5	PASS
GPRS850	190	VN	40	14.88	0.017786	2.5	PASS
GPRS850	190	VN	50	15.72	0.018790	2.5	PASS
GPRS850	251	VN	-30	4.88	0.005749	2.5	PASS
GPRS850	251	VN	-20	13.11	0.015445	2.5	PASS
GPRS850	251	VN	-10	8.59	0.010120	2.5	PASS
GPRS850	251	VN	0	8.59	0.010120	2.5	PASS
GPRS850	251	VN	10	10.01	0.011793	2.5	PASS
GPRS850	251	VN	20	19.15	0.022561	2.5	PASS
GPRS850	251	VN	30	18.44	0.021725	2.5	PASS
GPRS850	251	VN	40	7.62	0.008977	2.5	PASS
GPRS850	251	VN	50	22.24	0.026202	2.5	PASS
GSM1900	512	VN	-30	35.84	0.019371	2.5	PASS
GSM1900	512	VN	-20	31.12	0.016820	2.5	PASS
GSM1900	512	VN	-10	34.32	0.018549	2.5	PASS
GSM1900	512	VN	0	12.14	0.006561	2.5	PASS
GSM1900	512	VN	10	43.23	0.023365	2.5	PASS
GSM1900	512	VN	20	52.66	0.028462	2.5	PASS
GSM1900	512	VN	30	34.58	0.018690	2.5	PASS
GSM1900	512	VN	40	45.72	0.024711	2.5	PASS
GSM1900	512	VN	50	33.90	0.018322	2.5	PASS
GSM1900	661	VN	-30	30.12	0.016021	2.5	PASS
GSM1900	661	VN	-20	32.96	0.017532	2.5	PASS
GSM1900	661	VN	-10	30.90	0.016436	2.5	PASS
GSM1900	661	VN	0	28.70	0.015266	2.5	PASS
GSM1900	661	VN	10	18.11	0.009633	2.5	PASS
GSM1900	661	VN	20	24.99	0.013293	2.5	PASS
GSM1900	661	VN	30	30.51	0.016229	2.5	PASS
GSM1900	661	VN	40	15.01	0.007984	2.5	PASS
GSM1900	661	VN	50	47.75	0.025399	2.5	PASS
GSM1900	810	VN	-30	33.93	0.017766	2.5	PASS
GSM1900	810	VN	-20	32.03	0.016771	2.5	PASS
GSM1900	810	VN	-10	33.29	0.017431	2.5	PASS
GSM1900	810	VN	0	28.44	0.014892	2.5	PASS
GSM1900	810	VN	10	24.15	0.012645	2.5	PASS
GSM1900	810	VN	20	44.33	0.023212	2.5	PASS
GSM1900	810	VN	30	6.94	0.003634	2.5	PASS
GSM1900	810	VN	40	28.80	0.015080	2.5	PASS
GSM1900	810	VN	50	52.85	0.027673	2.5	PASS
GPRS1900	512	VN	-30	37.19	0.020101	2.5	PASS
GPRS1900	512	VN	-20	29.54	0.015966	2.5	PASS

GPRS1900	512	VN	-10	30.57	0.016523	2.5	PASS
GPRS1900	512	VN	0	35.97	0.019441	2.5	PASS
GPRS1900	512	VN	10	29.12	0.015739	2.5	PASS
GPRS1900	512	VN	20	49.69	0.026857	2.5	PASS
GPRS1900	512	VN	30	49.69	0.026857	2.5	PASS
GPRS1900	512	VN	40	58.50	0.031618	2.5	PASS
GPRS1900	512	VN	50	45.98	0.024851	2.5	PASS
GPRS1900	661	VN	-30	14.88	0.007915	2.5	PASS
GPRS1900	661	VN	-20	13.62	0.007245	2.5	PASS
GPRS1900	661	VN	-10	17.34	0.009223	2.5	PASS
GPRS1900	661	VN	0	30.51	0.016229	2.5	PASS
GPRS1900	661	VN	10	35.55	0.018910	2.5	PASS
GPRS1900	661	VN	20	36.10	0.019202	2.5	PASS
GPRS1900	661	VN	30	27.73	0.014750	2.5	PASS
GPRS1900	661	VN	40	37.52	0.019957	2.5	PASS
GPRS1900	661	VN	50	30.45	0.016197	2.5	PASS
GPRS1900	810	VN	-30	33.35	0.017463	2.5	PASS
GPRS1900	810	VN	-20	23.28	0.012190	2.5	PASS
GPRS1900	810	VN	-10	22.02	0.011530	2.5	PASS
GPRS1900	810	VN	0	25.54	0.013373	2.5	PASS
GPRS1900	810	VN	10	17.50	0.009163	2.5	PASS
GPRS1900	810	VN	20	30.67	0.016059	2.5	PASS
GPRS1900	810	VN	30	14.21	0.007441	2.5	PASS
GPRS1900	810	VN	40	9.33	0.004885	2.5	PASS
GPRS1900	810	VN	50	14.82	0.007760	2.5	PASS

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