

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	PCL	Conducted Power (dBm)	Gain (dBi)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
GSM850	128	5	31.68	-3.3	26.23	38.45	PASS
GSM850	190	5	31.82	-3.3	26.37	38.45	PASS
GSM850	251	5	31.82	-3.3	26.37	38.45	PASS
GSM1900	512	0	29.86	-0.4	29.46	33.00	PASS
GSM1900	661	0	29.64	-0.4	29.24	33.00	PASS
GSM1900	810	0	28.78	-0.4	28.38	33.00	PASS

Band	Channel	PCL	Slot	Conducted Power (dBm)	Gain (dBi)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
GPRS850	128	5	1	31.67	-3.3	26.22	38.45	PASS
GPRS850	128	5	2	30.96	-3.3	25.51	38.45	PASS
GPRS850	128	5	3	29.67	-3.3	24.22	38.45	PASS
GPRS850	128	5	4	29.08	-3.3	23.63	38.45	PASS
GPRS850	190	5	1	31.79	-3.3	26.34	38.45	PASS
GPRS850	190	5	2	31.09	-3.3	25.64	38.45	PASS
GPRS850	190	5	3	29.82	-3.3	24.37	38.45	PASS
GPRS850	190	5	4	29.22	-3.3	23.77	38.45	PASS
GPRS850	251	5	1	31.79	-3.3	26.34	38.45	PASS
GPRS850	251	5	2	31.11	-3.3	25.66	38.45	PASS
GPRS850	251	5	3	29.85	-3.3	24.4	38.45	PASS
GPRS850	251	5	4	29.27	-3.3	23.82	38.45	PASS
GPRS1900	512	0	1	29.84	-0.4	29.44	33.00	PASS
GPRS1900	512	0	2	28.86	-0.4	28.46	33.00	PASS
GPRS1900	512	0	3	27.17	-0.4	26.77	33.00	PASS
GPRS1900	512	0	4	26.62	-0.4	26.22	33.00	PASS
GPRS1900	661	0	1	29.60	-0.4	29.2	33.00	PASS
GPRS1900	661	0	2	28.66	-0.4	28.26	33.00	PASS
GPRS1900	661	0	3	27.08	-0.4	26.68	33.00	PASS
GPRS1900	661	0	4	26.56	-0.4	26.16	33.00	PASS
GPRS1900	810	0	1	28.75	-0.4	28.35	33.00	PASS
GPRS1900	810	0	2	27.85	-0.4	27.45	33.00	PASS
GPRS1900	810	0	3	26.34	-0.4	25.94	33.00	PASS
GPRS1900	810	0	4	25.84	-0.4	25.44	33.00	PASS

Band	Channel	PCL	Slot	Conducted Power (dBm)	Gain(dBi)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
EGPRS850	128	8	1	33.07	-3.3	27.62	38.45	PASS
EGPRS850	128	8	2	32.49	-3.3	27.04	38.45	PASS
EGPRS850	128	8	3	31.15	-3.3	25.7	38.45	PASS
EGPRS850	128	8	4	30.27	-3.3	24.82	38.45	PASS
EGPRS850	190	8	1	32.93	-3.3	27.48	38.45	PASS
EGPRS850	190	8	2	32.26	-3.3	26.81	38.45	PASS
EGPRS850	190	8	3	30.91	-3.3	25.46	38.45	PASS
EGPRS850	190	8	4	30.02	-3.3	24.57	38.45	PASS
EGPRS850	251	8	1	32.90	-3.3	27.45	38.45	PASS
EGPRS850	251	8	2	32.26	-3.3	26.81	38.45	PASS
EGPRS850	251	8	3	30.87	-3.3	25.42	38.45	PASS
EGPRS850	251	8	4	29.96	-3.3	24.51	38.45	PASS
EGPRS1900	512	2	1	31.36	-0.4	30.96	33.00	PASS
EGPRS1900	512	2	2	30.87	-0.4	30.47	33.00	PASS
EGPRS1900	512	2	3	29.83	-0.4	29.43	33.00	PASS
EGPRS1900	512	2	4	29.03	-0.4	28.63	33.00	PASS
EGPRS1900	661	2	1	31.37	-0.4	30.97	33.00	PASS
EGPRS1900	661	2	2	30.99	-0.4	30.59	33.00	PASS
EGPRS1900	661	2	3	30.11	-0.4	29.71	33.00	PASS
EGPRS1900	661	2	4	29.40	-0.4	29	33.00	PASS
EGPRS1900	810	2	1	30.73	-0.4	30.33	33.00	PASS
EGPRS1900	810	2	2	30.49	-0.4	30.09	33.00	PASS
EGPRS1900	810	2	3	29.83	-0.4	29.43	33.00	PASS
EGPRS1900	810	2	4	29.28	-0.4	28.88	33.00	PASS

Remark: EIRP (dBm) = Conducted power (dBm) + Antenna Gain (dBi). (For GSM1900)

ERP (dBm) = EIRP (dBm) - 2.15 (dB). (For GSM850)

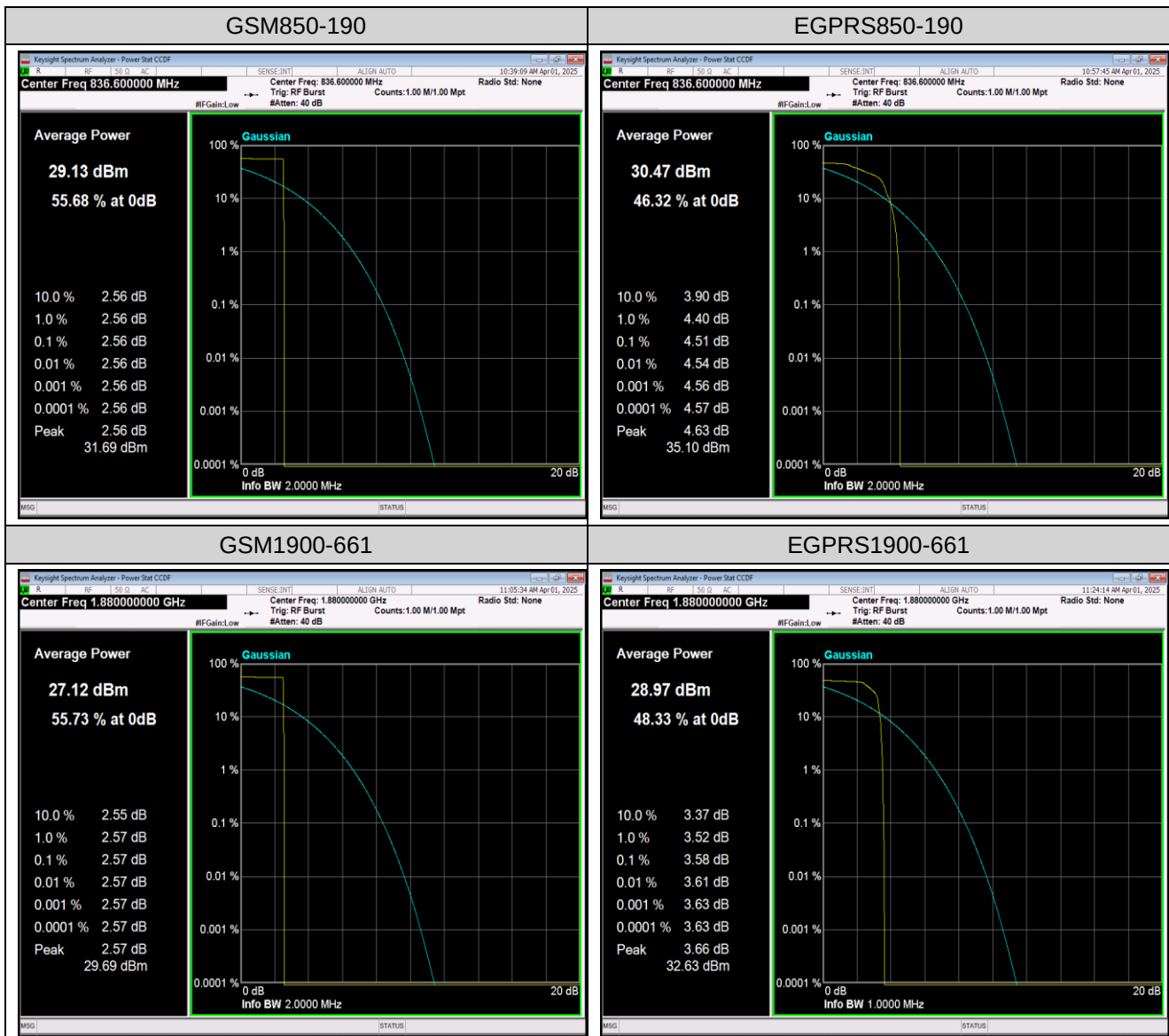
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Channel	PCL	Result(dB)	Limit(dB)	Verdict
GSM850	190	5	2.56	13	PASS
EGPRS850	190	8	4.51	13	PASS
GSM1900	661	0	2.57	13	PASS
EGPRS1900	661	2	3.58	13	PASS

Remark: All channel and all modulation had been tested, but only the worst case data displayed in this report.

Test Graphs

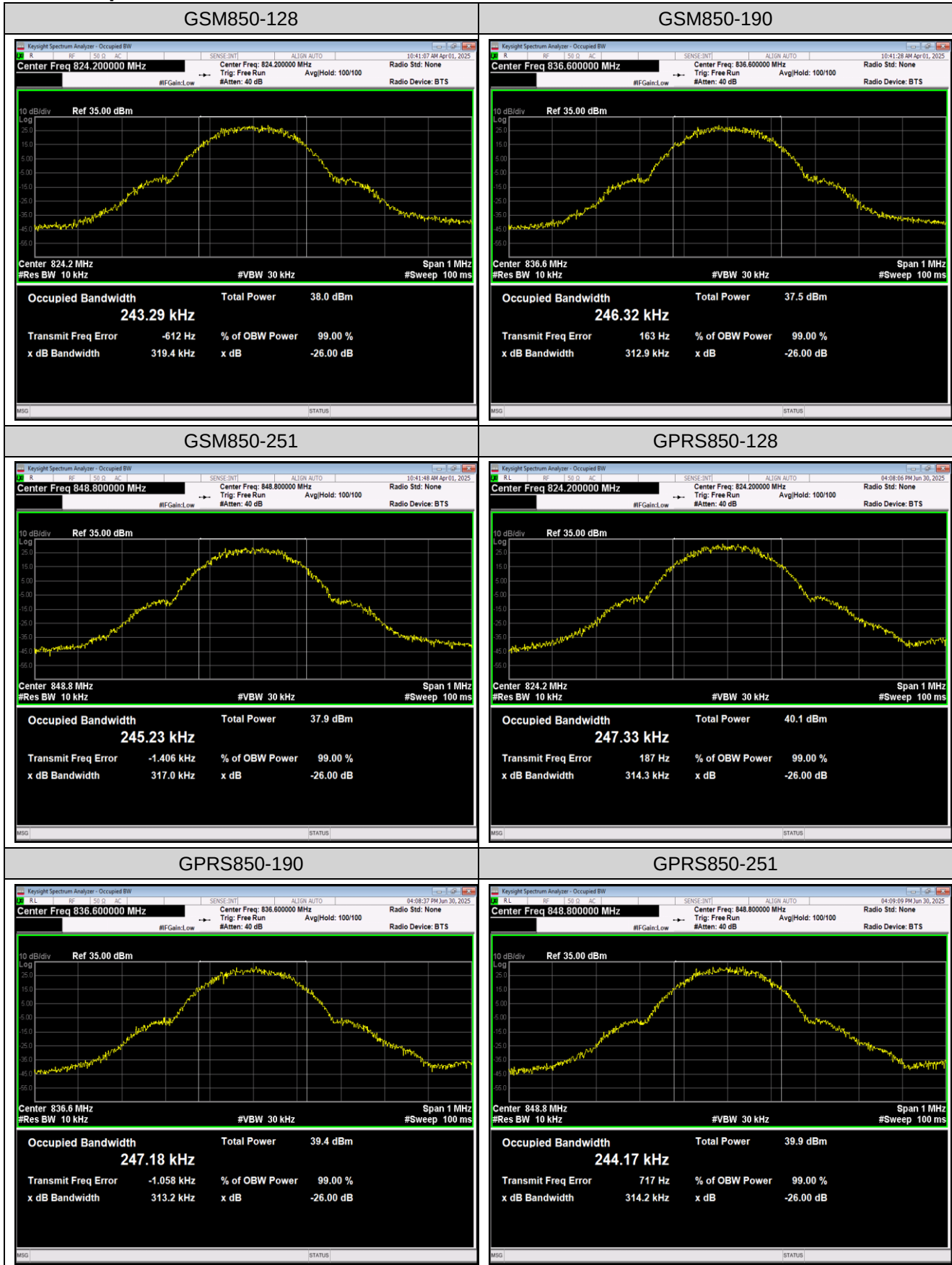


Appendix C: 26dB Bandwidth and Occupied Bandwidth

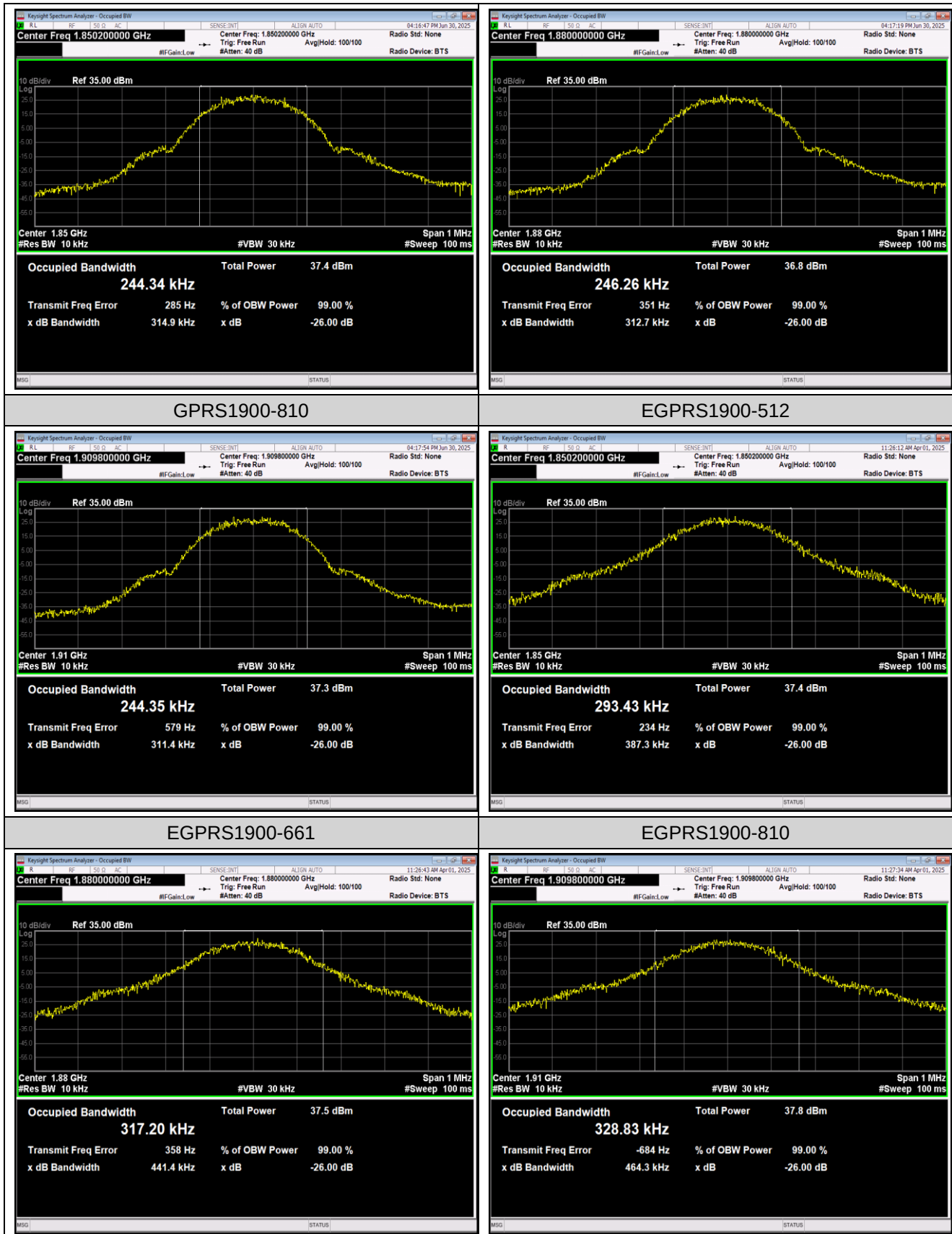
Test Result

Band	Channel	PCL	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	5	0.24329	0.3194	---	PASS
GSM850	190	5	0.24632	0.3129	---	PASS
GSM850	251	5	0.24523	0.3170	---	PASS
GPRS850	128	5	0.24733	0.3143	---	PASS
GPRS850	190	5	0.24718	0.3132	---	PASS
GPRS850	251	5	0.24417	0.3142	---	PASS
EGPRS850	128	8	0.28619	0.3795	---	PASS
EGPRS850	190	8	0.28238	0.3819	---	PASS
EGPRS850	251	8	0.28011	0.3915	---	PASS
GSM1900	512	0	0.24513	0.3192	---	PASS
GSM1900	661	0	0.24580	0.3147	---	PASS
GSM1900	810	0	0.24755	0.3128	---	PASS
GPRS1900	512	0	0.24434	0.3149	---	PASS
GPRS1900	661	0	0.24626	0.3127	---	PASS
GPRS1900	810	0	0.24435	0.3114	---	PASS
EGPRS1900	512	2	0.29343	0.3873	---	PASS
EGPRS1900	661	2	0.31720	0.4414	---	PASS
EGPRS1900	810	2	0.32883	0.4643	---	PASS

Test Graphs





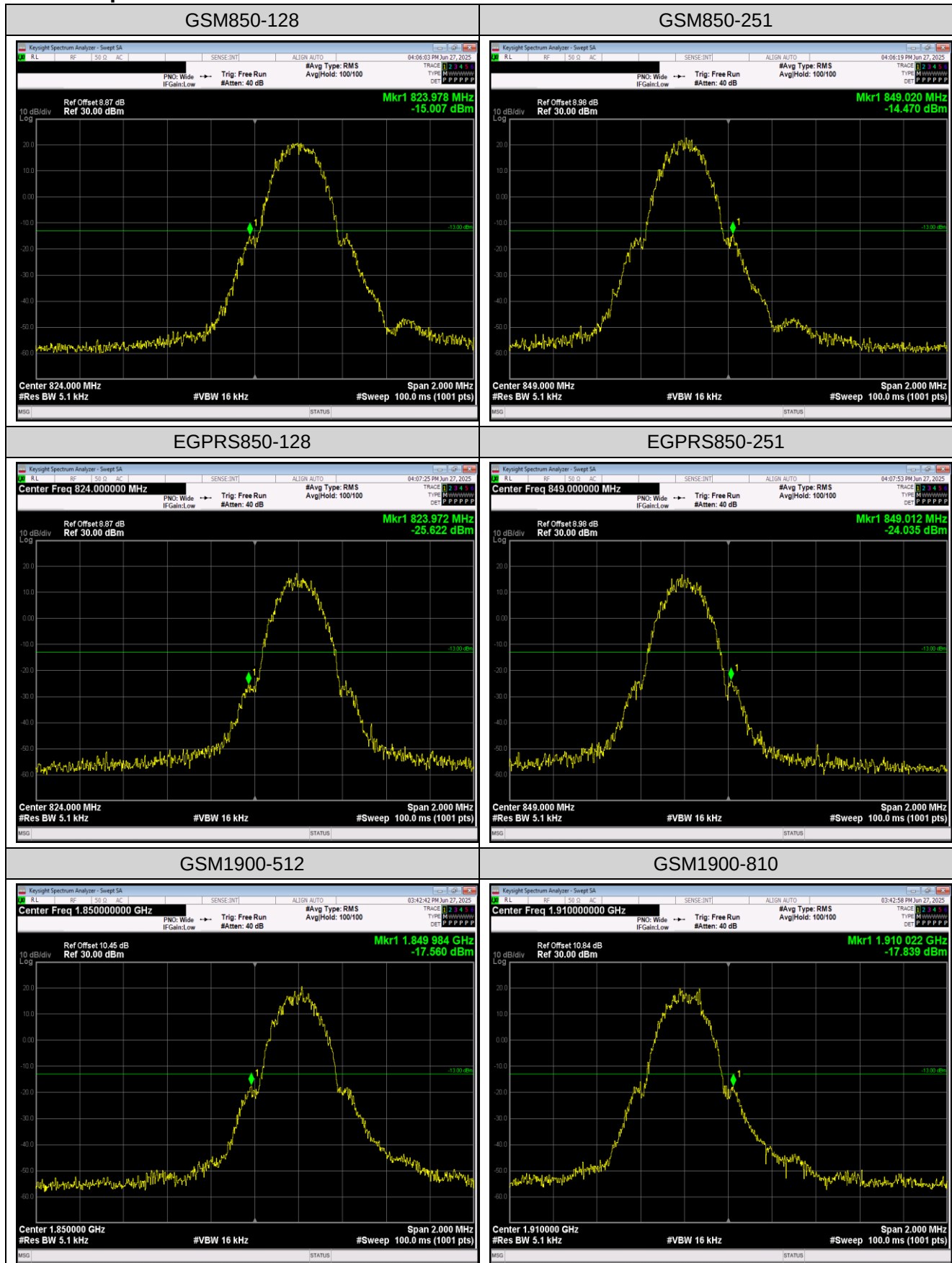


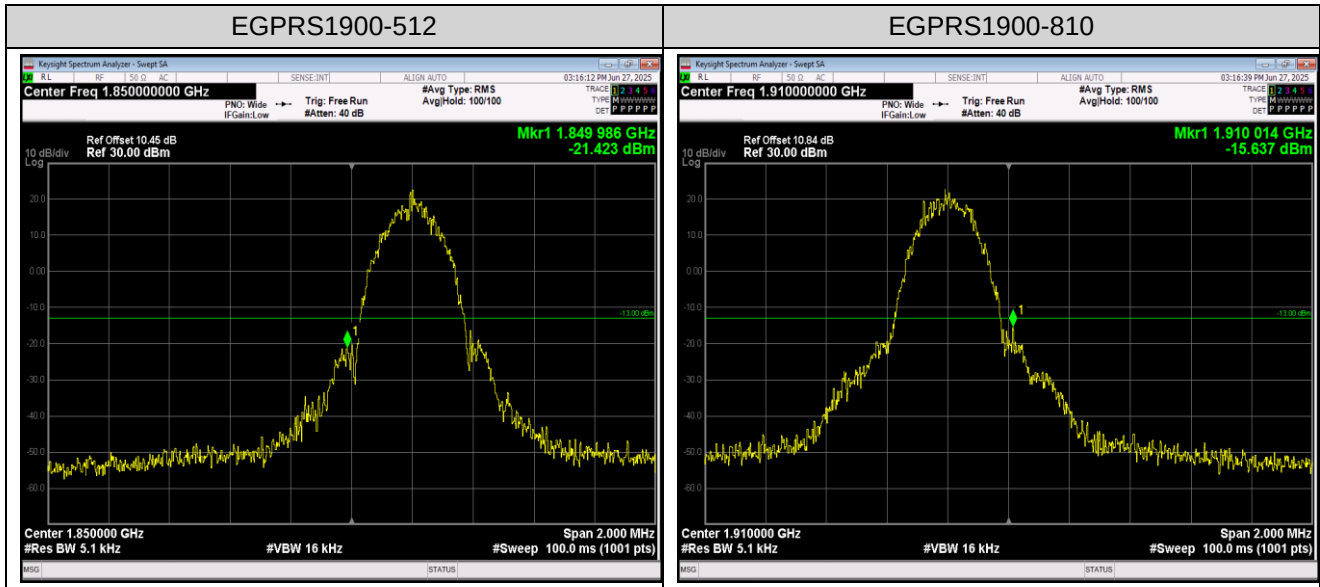
Appendix D: Band Edge

Test Result

Band	Channel	PCL	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	5	823.98	-15.01	-13	PASS
GSM850	251	5	849.02	-14.47	-13	PASS
EGPRS850	128	8	823.97	-25.62	-13	PASS
EGPRS850	251	8	849.01	-24.04	-13	PASS
GSM1900	512	0	1849.98	-17.56	-13	PASS
GSM1900	810	0	1910.02	-17.84	-13	PASS
EGPRS1900	512	2	1849.99	-21.42	-13	PASS
EGPRS1900	810	2	1910.01	-15.64	-13	PASS

Test Graphs





Appendix E: Conducted Spurious Emission

Band	Channel	PCL	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM850	128	5	0.009~0.15MHz	0.01	-54.96	-33	PASS
GSM850	128	5	0.15~30MHz	0.15	-40.35	-13	PASS
GSM850	128	5	30~1000MHz	365.78	-44.43	-13	PASS
GSM850	128	5	1000~10000MHz	1648.6	-29.61	-13	PASS
GSM850	190	5	0.009~0.15MHz	0.01	-54.86	-33	PASS
GSM850	190	5	0.15~30MHz	0.15	-42.19	-13	PASS
GSM850	190	5	30~1000MHz	947.62	-44.83	-13	PASS
GSM850	190	5	1000~10000MHz	1673.2	-30.92	-13	PASS
GSM850	251	5	0.009~0.15MHz	0.01	-55.68	-33	PASS
GSM850	251	5	0.15~30MHz	0.15	-39.29	-13	PASS
GSM850	251	5	30~1000MHz	167.19	-44.83	-13	PASS
GSM850	251	5	1000~10000MHz	1697.8	-32.25	-13	PASS
GPRS850	128	5	0.009~0.15MHz	0.01	-55.06	-33	PASS
GPRS850	128	5	0.15~30MHz	0.15	-41.93	-13	PASS
GPRS850	128	5	30~1000MHz	991.5	-44.58	-13	PASS
GPRS850	128	5	1000~10000MHz	1648.6	-26.88	-13	PASS
GPRS850	190	5	0.009~0.15MHz	0.01	-55.41	-33	PASS
GPRS850	190	5	0.15~30MHz	0.15	-42.44	-13	PASS
GPRS850	190	5	30~1000MHz	962.78	-45.28	-13	PASS
GPRS850	190	5	1000~10000MHz	1673.2	-27.8	-13	PASS
GPRS850	251	5	0.009~0.15MHz	0.01	-52.87	-33	PASS
GPRS850	251	5	0.15~30MHz	0.16	-42.69	-13	PASS
GPRS850	251	5	30~1000MHz	348.61	-44.95	-13	PASS
GPRS850	251	5	1000~10000MHz	1697.8	-28.6	-13	PASS
GSM1900	512	0	0.009~0.15MHz	0.01	-56.89	-43	PASS
GSM1900	512	0	0.15~30MHz	0.15	-40.18	-23	PASS
GSM1900	512	0	30~1000MHz	700.17	-45.52	-13	PASS
GSM1900	512	0	1000~18000MHz	17032.7	-21.84	-13	PASS
GSM1900	661	0	0.009~0.15MHz	0.01	-55.13	-43	PASS
GSM1900	661	0	0.15~30MHz	0.15	-40.94	-23	PASS
GSM1900	661	0	30~1000MHz	984.42	-45.42	-13	PASS
GSM1900	661	0	1000~18000MHz	16197.43	-21.32	-13	PASS
GSM1900	810	0	0.009~0.15MHz	0.01	-54.9	-43	PASS
GSM1900	810	0	0.15~30MHz	0.15	-41.3	-23	PASS
GSM1900	810	0	30~1000MHz	846.48	-45.68	-13	PASS
GSM1900	810	0	1000~18000MHz	16538.57	-21.81	-13	PASS
GPRS1900	512	0	0.009~0.15MHz	0.01	-54.84	-43	PASS
GPRS1900	512	0	0.15~30MHz	0.15	-41.84	-23	PASS

GPRS1900	512	0	30~1000MHz	523.57	-44.93	-13	PASS
GPRS1900	512	0	1000~18000MHz	15864.8	-21.93	-13	PASS
GPRS1900	661	0	0.009~0.15MHz	0.01	-56.13	-43	PASS
GPRS1900	661	0	0.15~30MHz	0.17	-42.24	-23	PASS
GPRS1900	661	0	30~1000MHz	951.66	-45.38	-13	PASS
GPRS1900	661	0	1000~18000MHz	16932.4	-22.66	-13	PASS
GPRS1900	810	0	0.009~0.15MHz	0.01	-54.93	-43	PASS
GPRS1900	810	0	0.15~30MHz	0.15	-41.66	-23	PASS
GPRS1900	810	0	30~1000MHz	794.33	-45.34	-13	PASS
GPRS1900	810	0	1000~18000MHz	16132.83	-22.23	-13	PASS

Remark: All channel and all modulation had been tested, but only the worst case data displayed in this report.