

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	PCL	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
GSM850	128	5	32.74	26.79	38.5	PASS
GSM850	190	5	32.79	26.84	38.5	PASS
GSM850	251	5	32.91	26.96	38.5	PASS
GSM1900	512	0	28.61	29.51	33	PASS
GSM1900	661	0	28.88	29.78	33	PASS
GSM1900	810	0	28.68	29.58	33	PASS

Band	Channel	PCL	Slot	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
GPRS850	128	3	1	32.75	26.80	38.5	PASS
GPRS850	128	3	2	30.64	24.69	38.5	PASS
GPRS850	128	3	3	28.67	22.72	38.5	PASS
GPRS850	128	3	4	26.55	20.60	38.5	PASS
GPRS850	190	3	1	32.80	26.85	38.5	PASS
GPRS850	190	3	2	30.63	24.68	38.5	PASS
GPRS850	190	3	3	28.66	22.71	38.5	PASS
GPRS850	190	3	4	26.43	20.48	38.5	PASS
GPRS850	251	3	1	32.95	27.00	38.5	PASS
GPRS850	251	3	2	30.78	24.83	38.5	PASS
GPRS850	251	3	3	28.77	22.82	38.5	PASS
GPRS850	251	3	4	26.62	20.67	38.5	PASS
GPRS1900	512	0	1	28.83	29.73	33	PASS
GPRS1900	512	0	2	26.66	27.56	33	PASS
GPRS1900	512	0	3	24.11	25.01	33	PASS
GPRS1900	512	0	4	22.44	23.34	33	PASS
GPRS1900	661	0	1	29.00	29.90	33	PASS
GPRS1900	661	0	2	27.00	27.90	33	PASS
GPRS1900	661	0	3	24.68	25.58	33	PASS
GPRS1900	661	0	4	22.80	23.70	33	PASS
GPRS1900	810	0	1	29.14	30.04	33	PASS
GPRS1900	810	0	2	26.97	27.87	33	PASS
GPRS1900	810	0	3	24.46	25.36	33	PASS
GPRS1900	810	0	4	22.68	23.58	33	PASS

Band	Channel	PCL	Slot	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
EGPRS850	128	8	1	26.19	20.24	38.5	PASS
EGPRS850	128	8	2	25.24	19.29	38.5	PASS
EGPRS850	128	8	3	23.98	18.03	38.5	PASS
EGPRS850	128	8	4	22.36	16.41	38.5	PASS
EGPRS850	190	8	1	26.24	20.29	38.5	PASS
EGPRS850	190	8	2	25.42	19.47	38.5	PASS
EGPRS850	190	8	3	23.92	17.97	38.5	PASS
EGPRS850	190	8	4	22.30	16.35	38.5	PASS
EGPRS850	251	8	1	26.52	20.57	38.5	PASS
EGPRS850	251	8	2	25.63	19.68	38.5	PASS
EGPRS850	251	8	3	24.16	18.21	38.5	PASS
EGPRS850	251	8	4	22.56	16.61	38.5	PASS
EGPRS1900	512	2	1	25.00	25.90	33	PASS
EGPRS1900	512	2	2	23.59	24.49	33	PASS
EGPRS1900	512	2	3	22.15	23.05	33	PASS
EGPRS1900	512	2	4	20.12	21.02	33	PASS
EGPRS1900	661	2	1	25.21	26.11	33	PASS
EGPRS1900	661	2	2	23.94	24.84	33	PASS
EGPRS1900	661	2	3	22.69	23.59	33	PASS
EGPRS1900	661	2	4	20.74	21.64	33	PASS
EGPRS1900	810	2	1	24.89	25.79	33	PASS
EGPRS1900	810	2	2	23.58	24.48	33	PASS
EGPRS1900	810	2	3	22.59	23.49	33	PASS
EGPRS1900	810	2	4	20.46	21.36	33	PASS

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

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

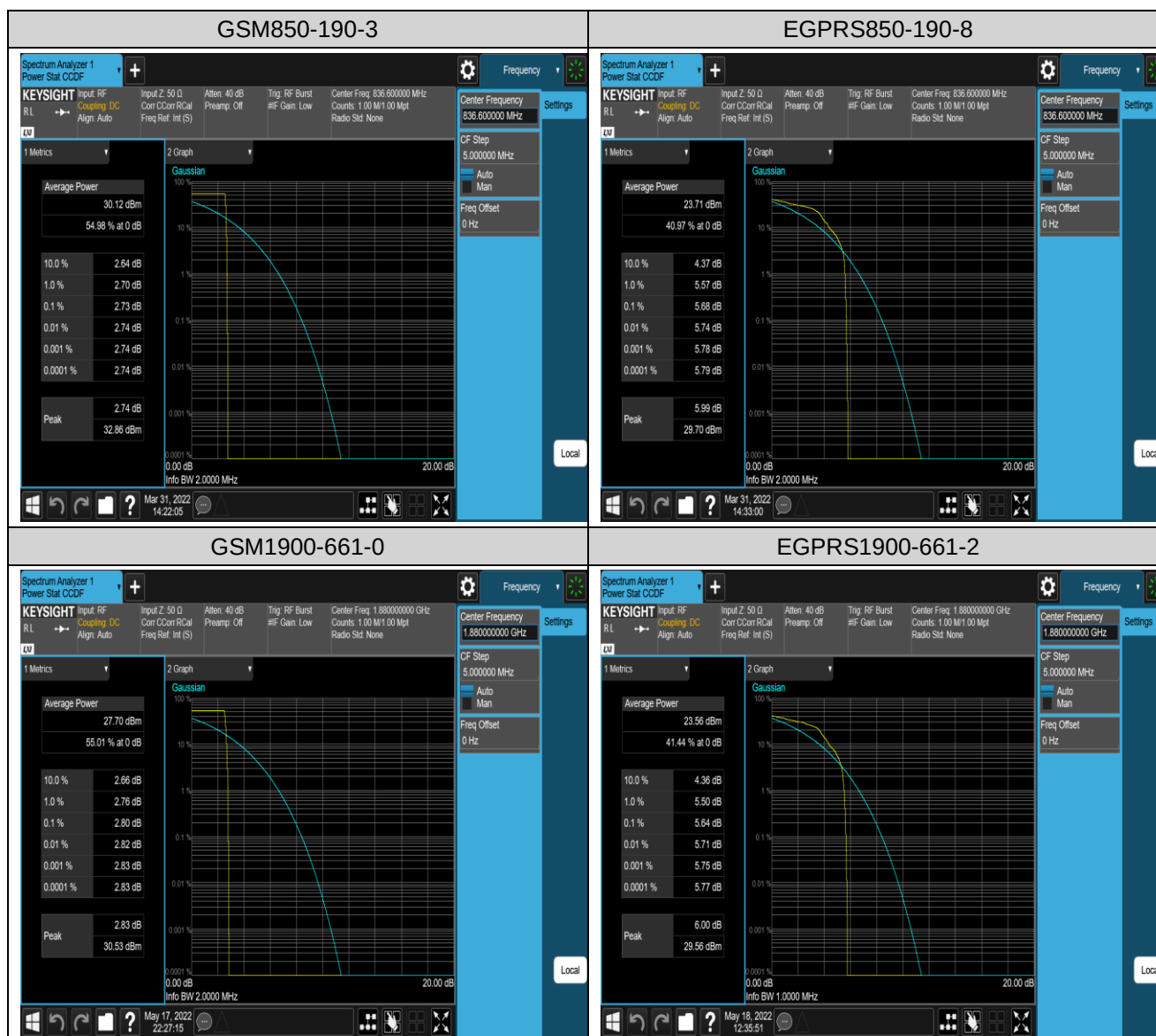
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Channel	PCL	Result(dB)	Limit(dB)	Verdict
GSM850	190	3	2.73	13	PASS
EGPRS850	190	8	5.68	13	PASS
GSM1900	661	0	2.8	13	PASS
EGPRS1900	661	2	5.64	13	PASS

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

Test Graphs

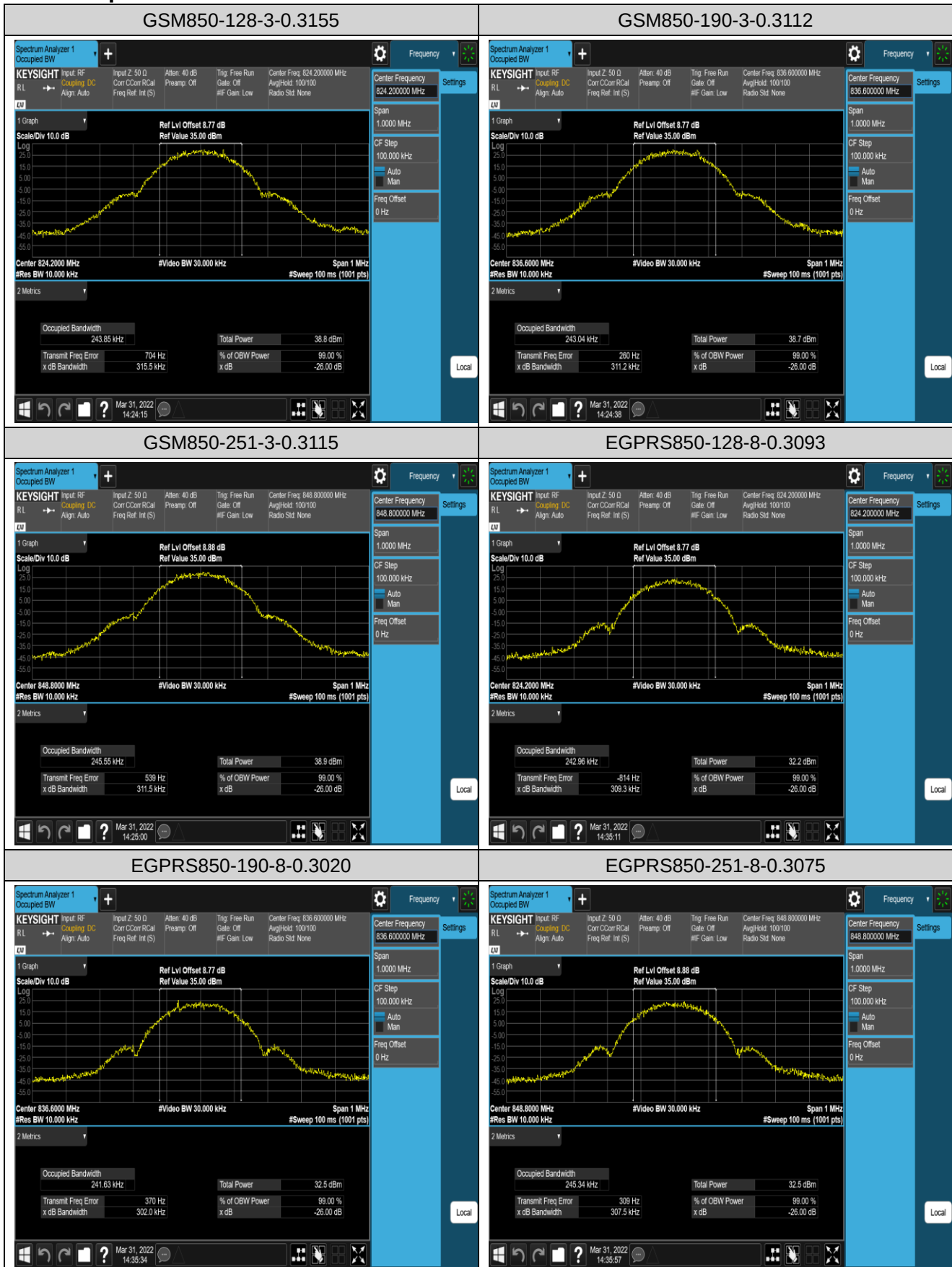


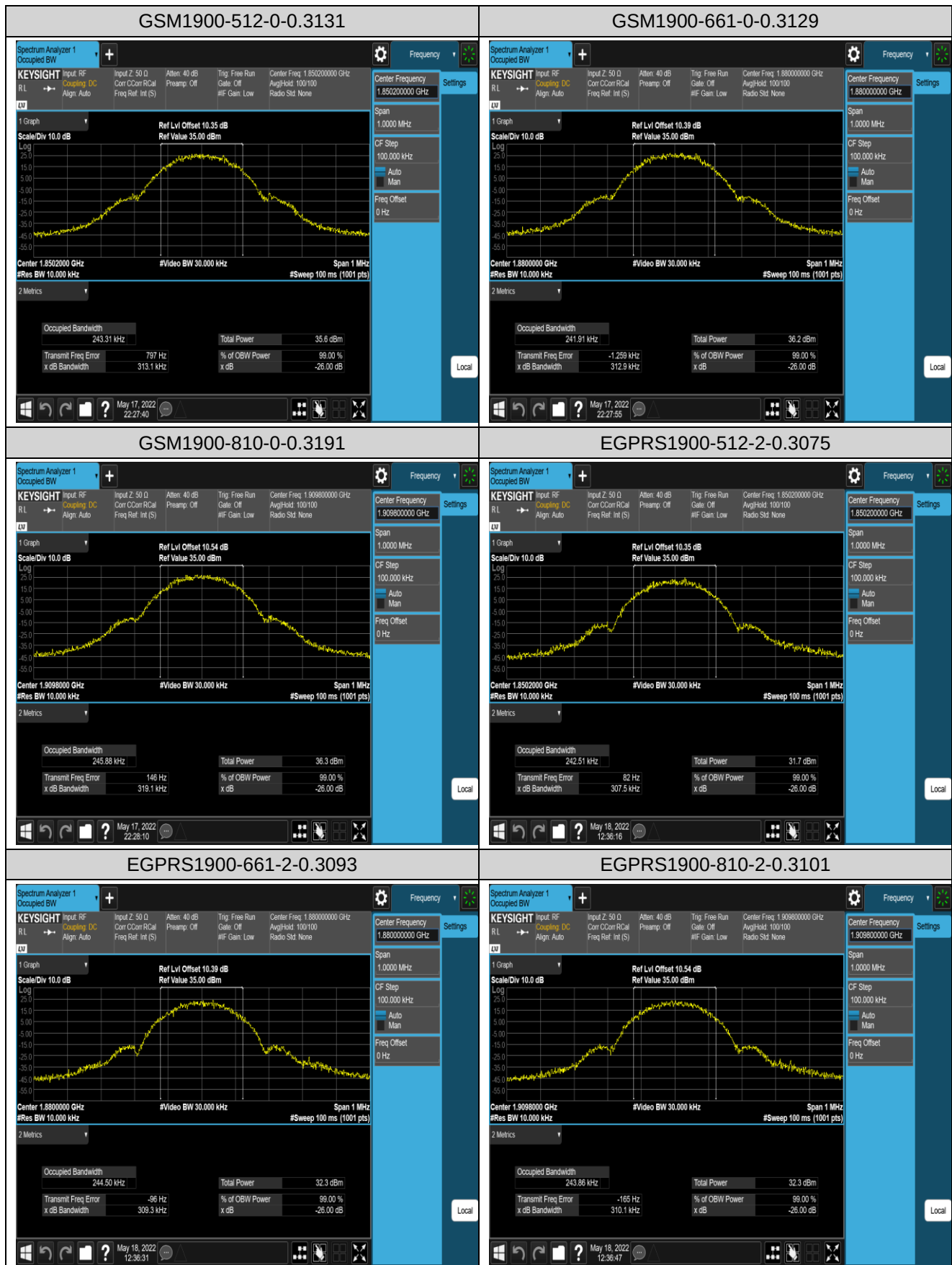
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	PCL	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	5	0.24385	0.3155	---	PASS
GSM850	190	5	0.24304	0.3112	---	PASS
GSM850	251	5	0.24555	0.3115	---	PASS
EGPRS850	128	8	0.24296	0.3093	---	PASS
EGPRS850	190	8	0.24163	0.3020	---	PASS
EGPRS850	251	8	0.24534	0.3075	---	PASS
GSM1900	512	0	0.24331	0.3131	---	PASS
GSM1900	661	0	0.24191	0.3129	---	PASS
GSM1900	810	0	0.24588	0.3191	---	PASS
EGPRS1900	512	2	0.24251	0.3075	---	PASS
EGPRS1900	661	2	0.24450	0.3093	---	PASS
EGPRS1900	810	2	0.24386	0.3101	---	PASS

Test Graphs



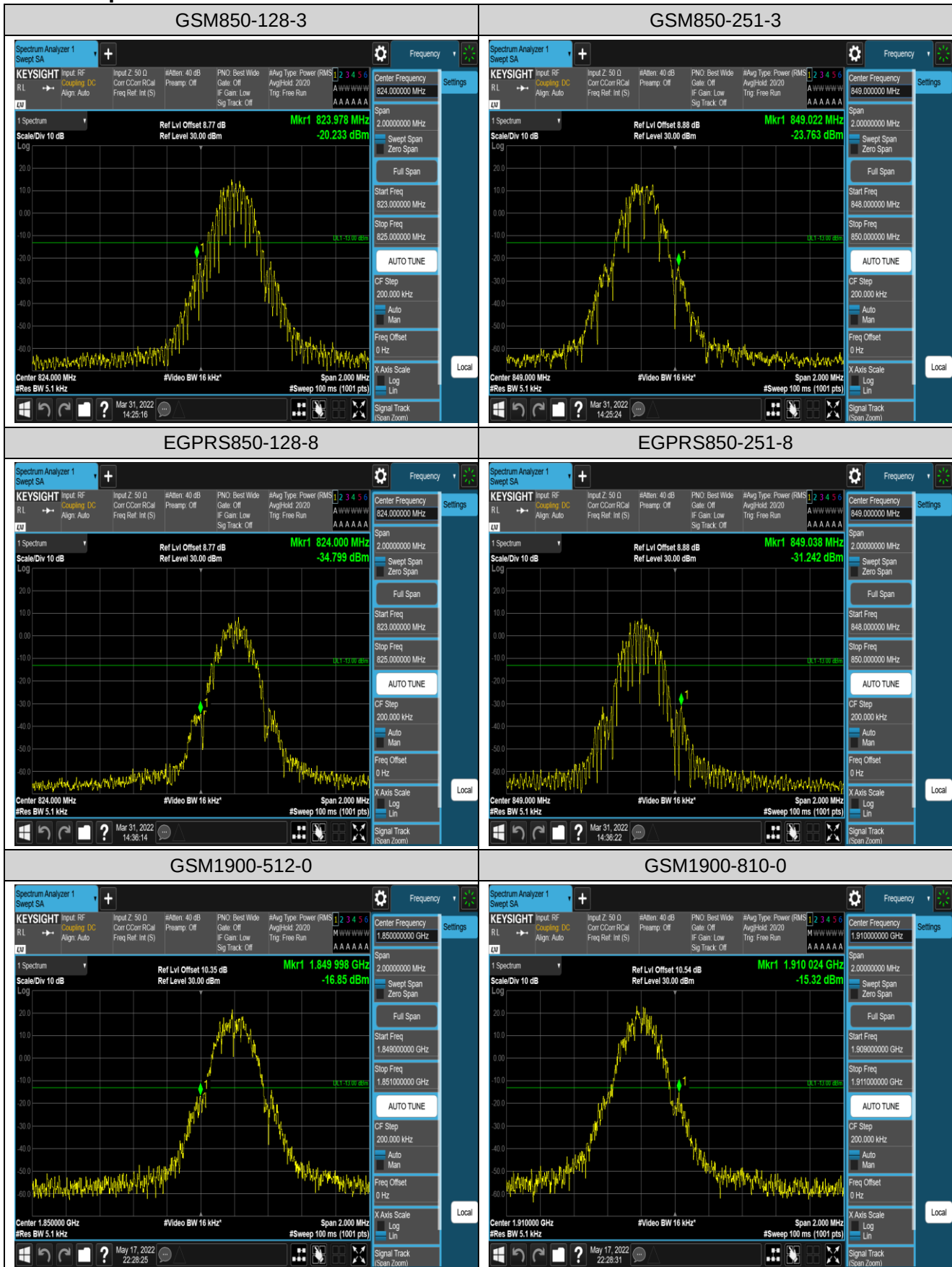


Appendix D: Band Edge

Test Result

Band	Channel	PCL	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	5	823.978	823.98	-13	PASS
GSM850	251	5	849.022	849.02	-13	PASS
EGPRS850	128	8	824.000	824.00	-13	PASS
EGPRS850	251	8	849.038	849.04	-13	PASS
GSM1900	512	0	1850.00	-16.85	-13	PASS
GSM1900	810	0	1910.02	-15.32	-13	PASS
EGPRS1900	512	2	1849.98	-22.50	-13	PASS
EGPRS1900	810	2	1910.00	-21.34	-13	PASS

Test Graphs

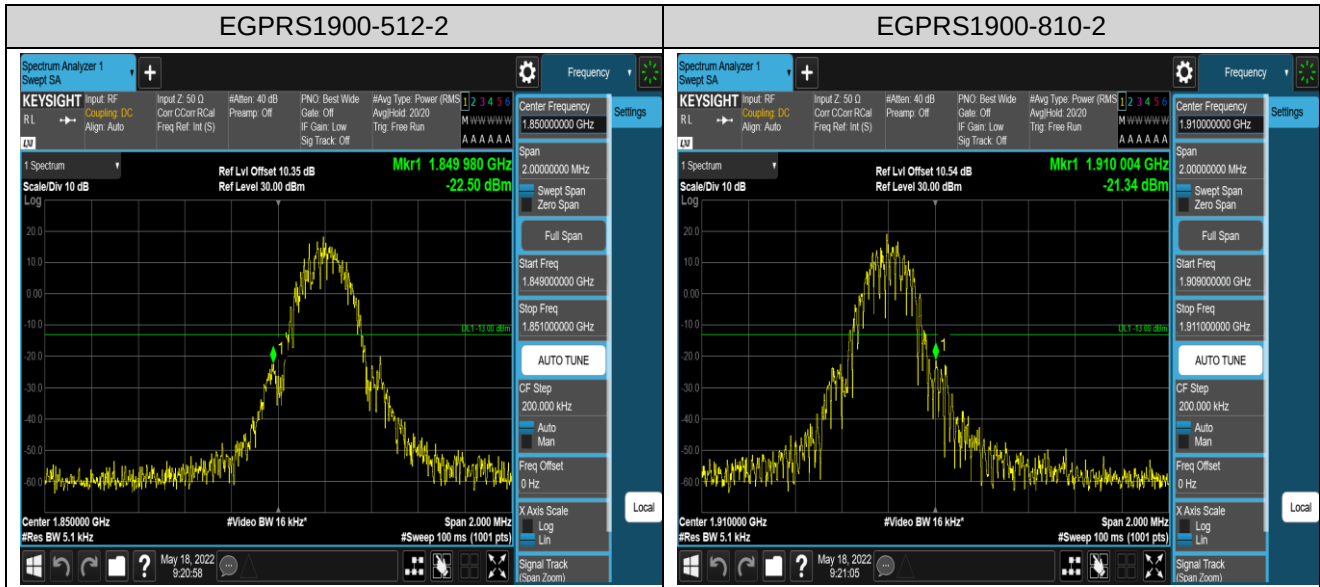


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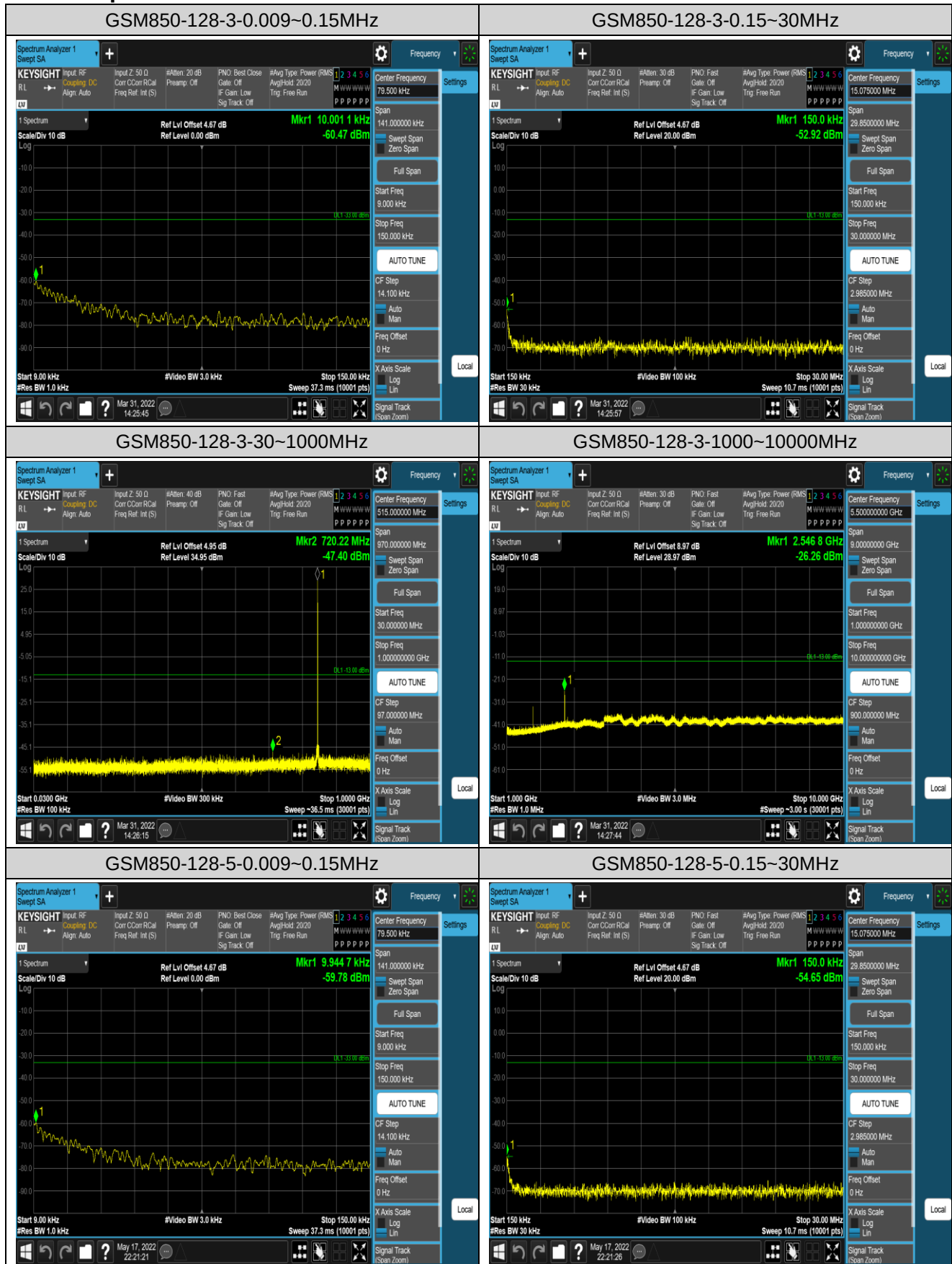
Appendix E: Conducted Spurious Emission

Test Result

Band	Channel	PCL	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM850	128	5	0.009~0.15MHz	0.01	-60.47	-33	PASS
GSM850	128	5	0.15~30MHz	0.15	-52.92	-13	PASS
GSM850	128	5	30~1000MHz	720.22	-47.4	-13	PASS
GSM850	128	5	1000~10000MHz	2546.8	-26.26	-13	PASS
GSM850	128	5	0.009~0.15MHz	0.01	-59.78	-33	PASS
GSM850	128	5	0.15~30MHz	0.15	-54.65	-13	PASS
GSM850	128	5	30~1000MHz	933.88	-46.74	-13	PASS
GSM850	128	5	1000~10000MHz	2510.8	-26.69	-13	PASS
GSM850	190	3	0.009~0.15MHz	0.01	-59.95	-33	PASS
GSM850	190	3	0.15~30MHz	0.16	-53.07	-13	PASS
GSM850	190	3	30~1000MHz	956.71	-48.44	-13	PASS
GSM850	190	3	1000~10000MHz	2546.5	-26.45	-13	PASS
GSM850	190	5	0.009~0.15MHz	0.01	-59.58	-33	PASS
GSM850	190	5	0.15~30MHz	0.15	-55.29	-13	PASS
GSM850	190	5	30~1000MHz	976.17	-47.81	-13	PASS
GSM850	190	5	1000~10000MHz	2510.8	-26.19	-13	PASS
GSM850	251	5	0.009~0.15MHz	0.01	-60.35	-33	PASS
GSM850	251	5	0.15~30MHz	0.16	-54.64	-13	PASS
GSM850	251	5	30~1000MHz	620.34	-47.64	-13	PASS
GSM850	251	5	1000~10000MHz	2546.2	-26.15	-13	PASS
GSM850	251	5	0.009~0.15MHz	0.01	-59.78	-33	PASS
GSM850	251	5	0.15~30MHz	0.16	-53.14	-13	PASS
GSM850	251	5	30~1000MHz	552.96	-48.38	-13	PASS
GSM850	251	5	1000~10000MHz	2511.1	-26.43	-13	PASS
GSM1900	512	0	0.009~0.15MHz	0.01	-70.67	-43	PASS
GSM1900	512	0	0.15~30MHz	0.15	-53.17	-23	PASS
GSM1900	512	0	30~1000MHz	398.96	-48.14	-13	PASS
GSM1900	512	0	1000~18000MHz	13602.67	-35.5	-13	PASS
GSM1900	661	0	0.009~0.15MHz	0.01	-72	-43	PASS
GSM1900	661	0	0.15~30MHz	0.15	-52.1	-23	PASS
GSM1900	661	0	30~1000MHz	890.1	-47.65	-13	PASS
GSM1900	661	0	1000~18000MHz	17519.47	-35.57	-13	PASS
GSM1900	810	0	0.009~0.15MHz	0.01	-72.09	-43	PASS
GSM1900	810	0	0.15~30MHz	0.15	-53.03	-23	PASS
GSM1900	810	0	30~1000MHz	917.81	-46.83	-13	PASS
GSM1900	810	0	1000~18000MHz	3711.5	-35.62	-13	PASS

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

Test Graphs



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