

Appendix for GSM850

Product Name: Smart Phone
Model No: Black S

Appendix A: Average Power Output Data

Test Result

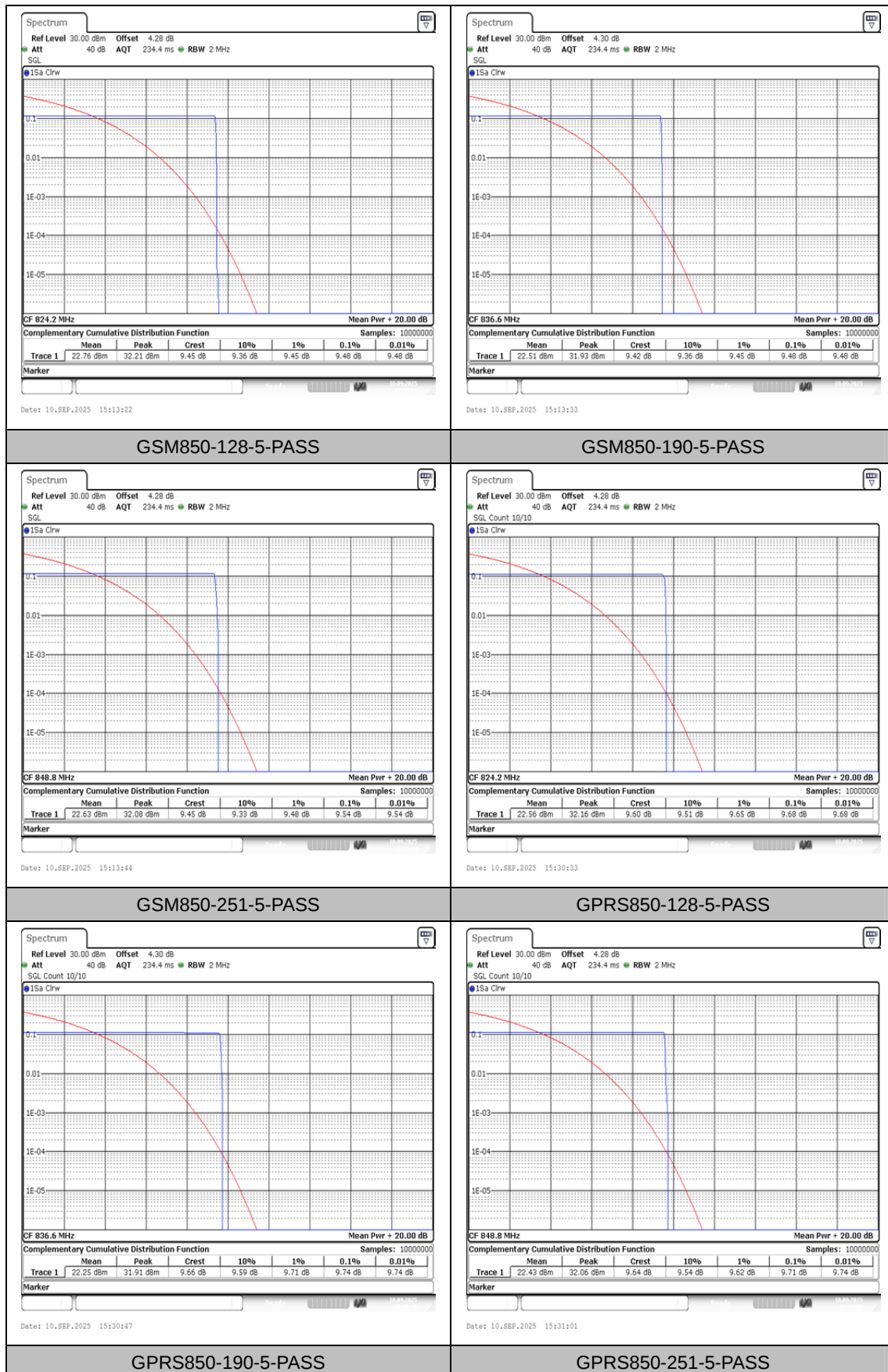
GSM - Burst Average Power (dBm)						
Band	GSM 850			GSM 1900		
Channel	128	190	251	512	661	810
Frequency (MHz)	824.2	836.6	848.8	1850.2	1880	1909.8
GSM	31.78	31.93	32.01	28.28	28.17	29.26
GPRS (1 slot)	31.12	31.26	31.37	25.72	25.98	26.68
GPRS (2 slots)	30.61	30.74	30.95	25.20	25.54	26.18
GPRS (3 slots)	30.27	30.46	30.72	25.00	25.30	25.91
GPRS (4 slots)	29.96	30.06	30.31	24.68	24.88	25.61
EGPRS (1 slot)	23.97	24.22	24.16	24.13	24.21	23.16
EGPRS (2 slots)	23.54	23.76	23.73	23.69	23.74	22.70
EGPRS (3 slots)	23.28	23.55	23.41	23.37	23.46	22.49
EGPRS (4 slots)	23.06	23.35	23.15	23.20	23.20	22.22

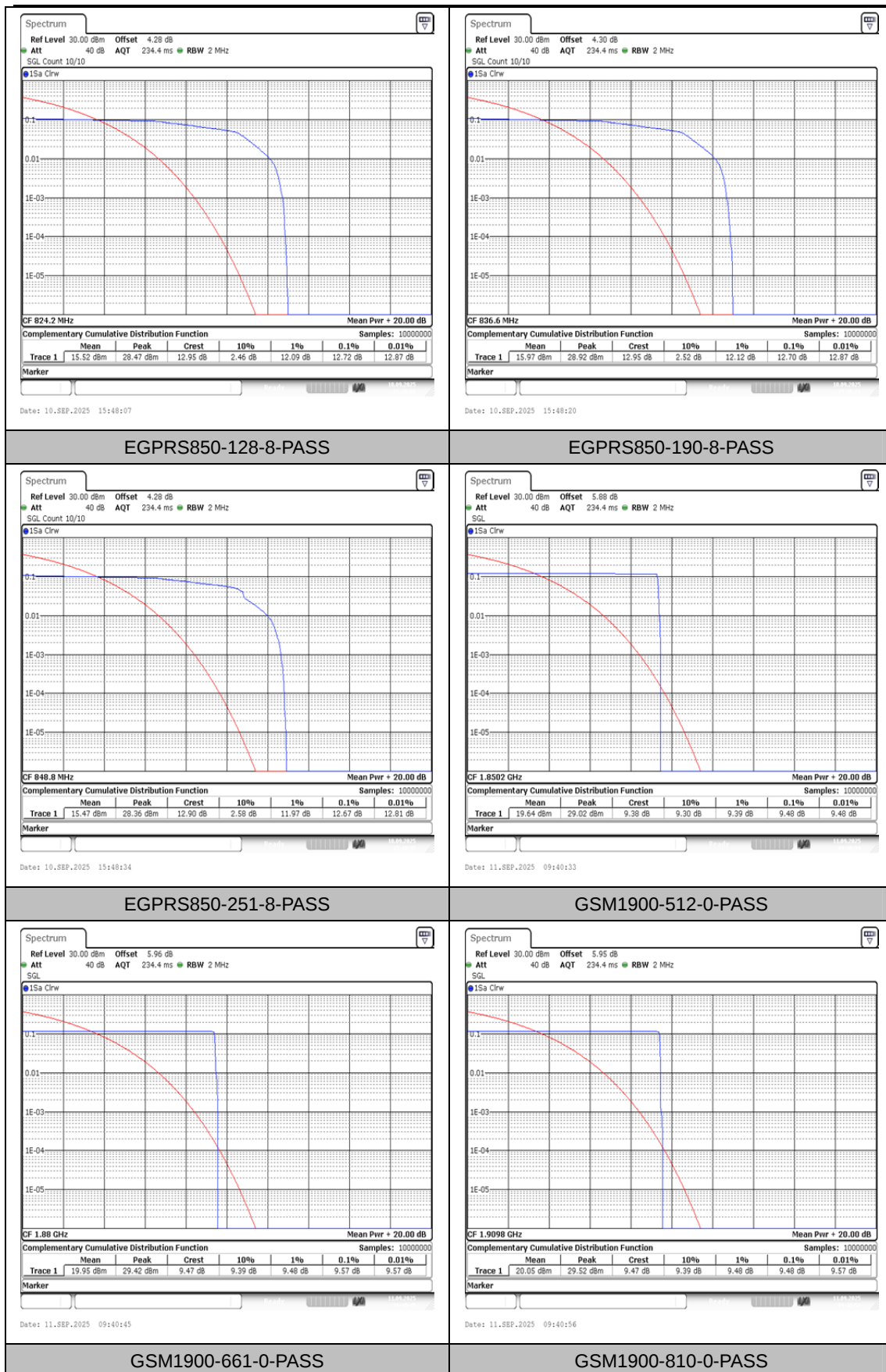
Appendix B: Peak-to-Average Ratio(CCDF)

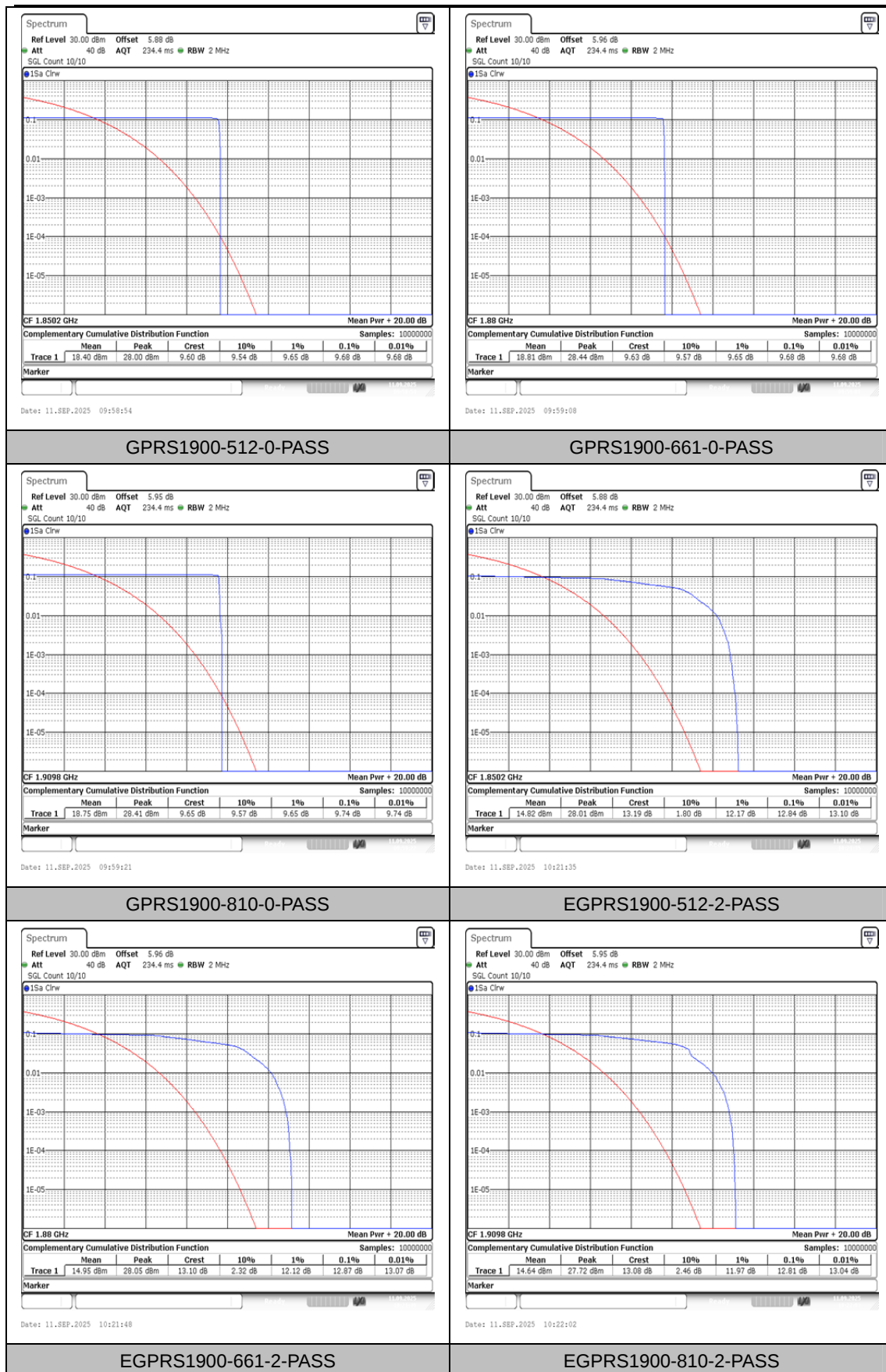
Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	128	9.48	13	PASS
GSM850	190	9.48	13	PASS
GSM850	251	9.54	13	PASS
GPRS850	128	9.68	13	PASS
GPRS850	190	9.74	13	PASS
GPRS850	251	9.71	13	PASS
EGPRS850	128	12.72	13	PASS
EGPRS850	190	12.70	13	PASS
EGPRS850	251	12.67	13	PASS
GSM1900	512	9.48	13	PASS
GSM1900	661	9.57	13	PASS
GSM1900	810	9.48	13	PASS
GPRS1900	512	9.68	13	PASS
GPRS1900	661	9.68	13	PASS
GPRS1900	810	9.74	13	PASS
EGPRS1900	512	12.84	13	PASS
EGPRS1900	661	12.87	13	PASS
EGPRS1900	810	12.81	13	PASS

Test Graphs





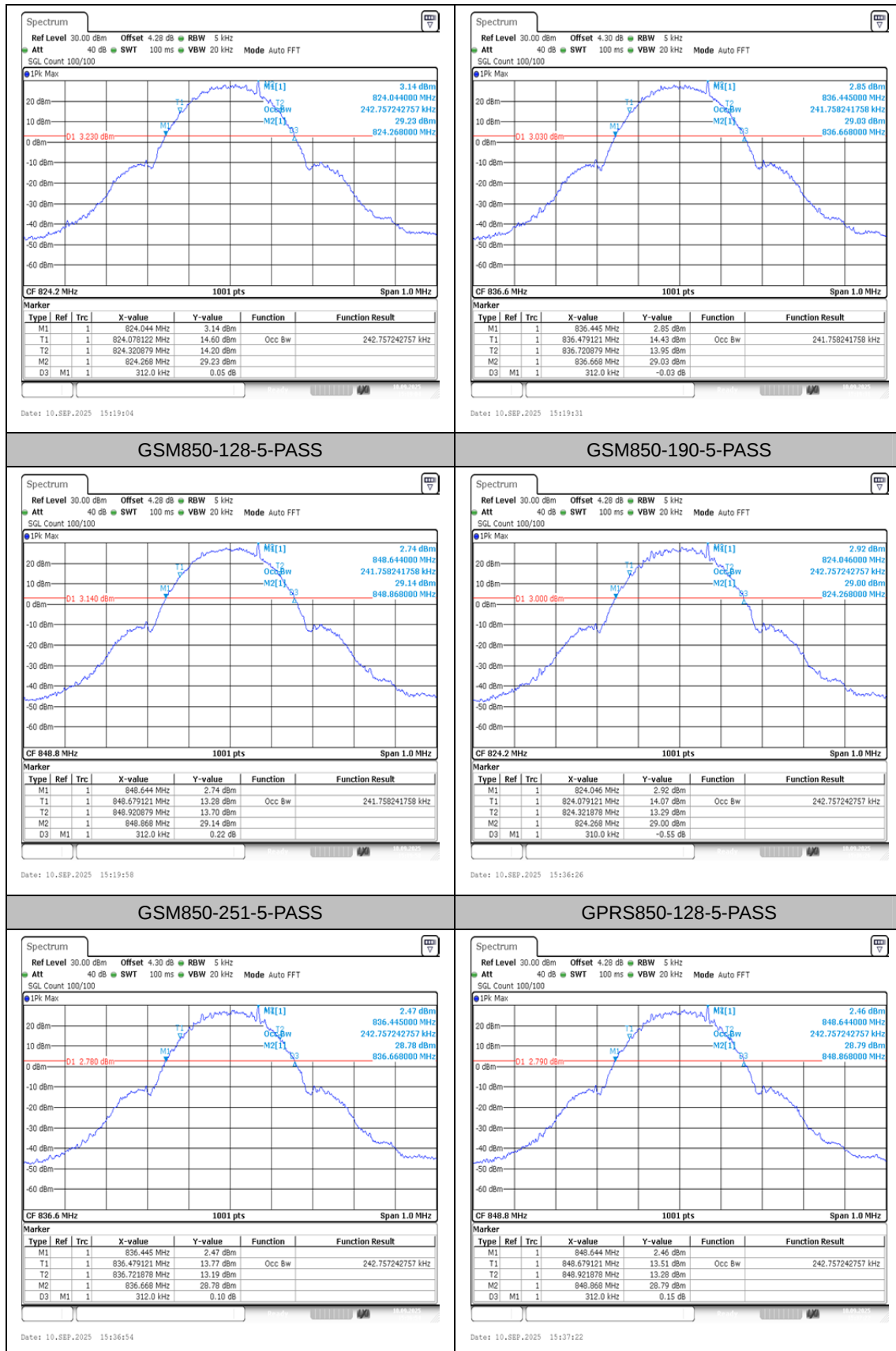


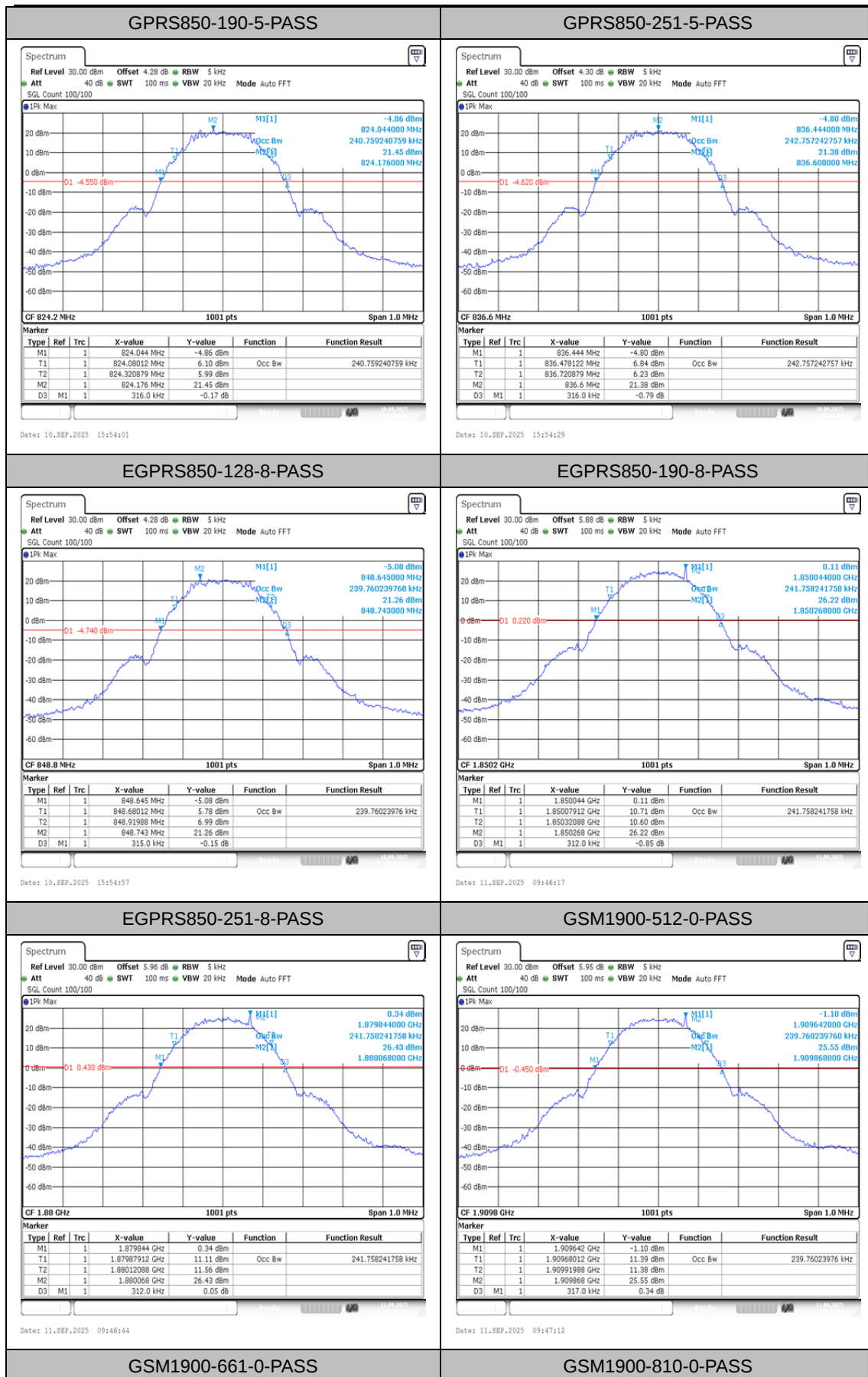
Appendix C: 26dB Bandwidth and Occupied Bandwidth

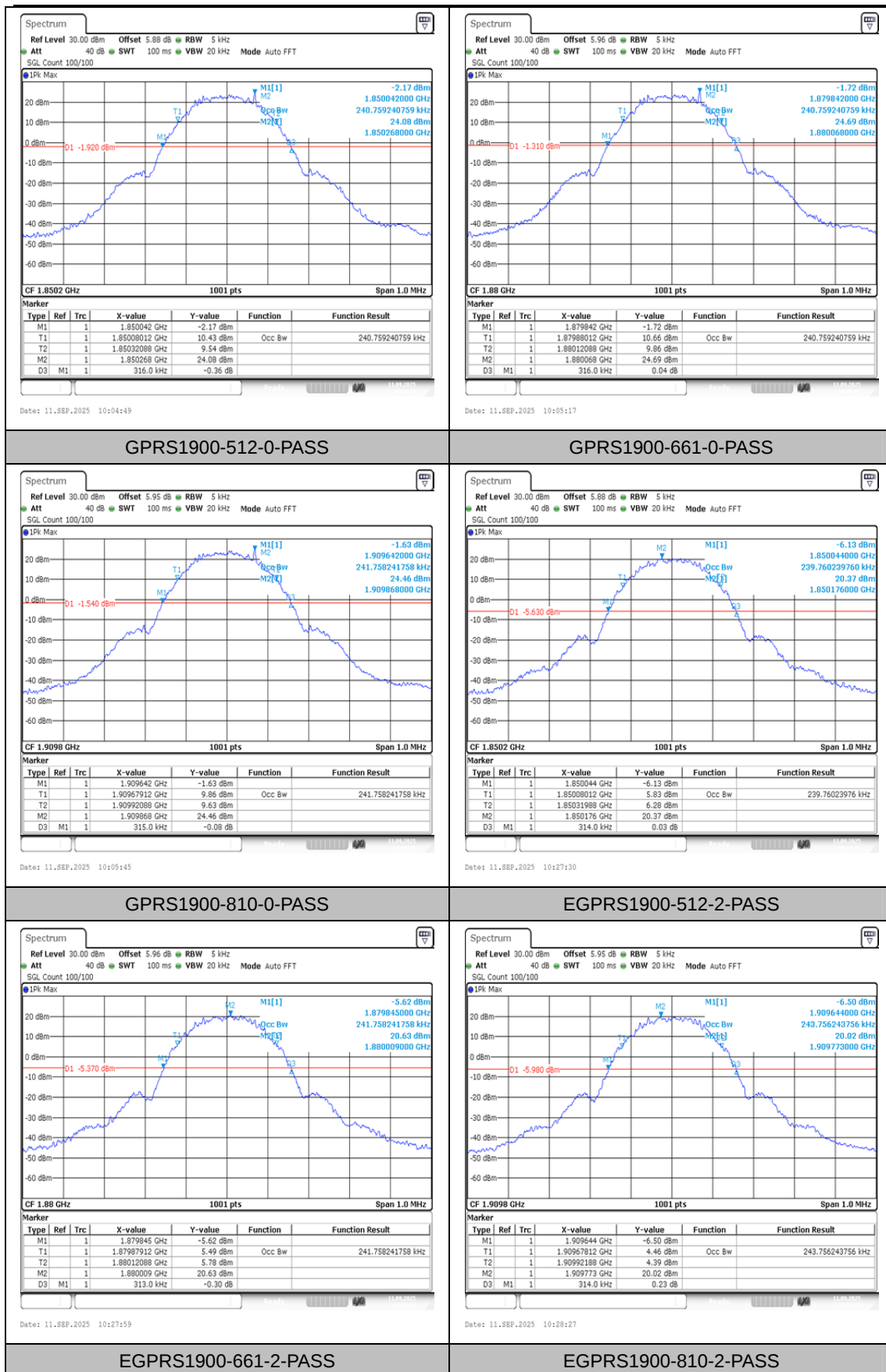
Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.243	0.31	---	PASS
GSM850	190	0.242	0.31	---	PASS
GSM850	251	0.242	0.31	---	PASS
GPRS850	128	0.243	0.31	---	PASS
GPRS850	190	0.243	0.31	---	PASS
GPRS850	251	0.243	0.31	---	PASS
EGPRS850	128	0.241	0.32	---	PASS
EGPRS850	190	0.243	0.32	---	PASS
EGPRS850	251	0.24	0.31	---	PASS
GSM1900	512	0.242	0.31	---	PASS
GSM1900	661	0.242	0.31	---	PASS
GSM1900	810	0.24	0.32	---	PASS
GPRS1900	512	0.241	0.32	---	PASS
GPRS1900	661	0.241	0.32	---	PASS
GPRS1900	810	0.242	0.31	---	PASS
EGPRS1900	512	0.24	0.31	---	PASS
EGPRS1900	661	0.242	0.31	---	PASS
EGPRS1900	810	0.244	0.31	---	PASS

Test Graphs





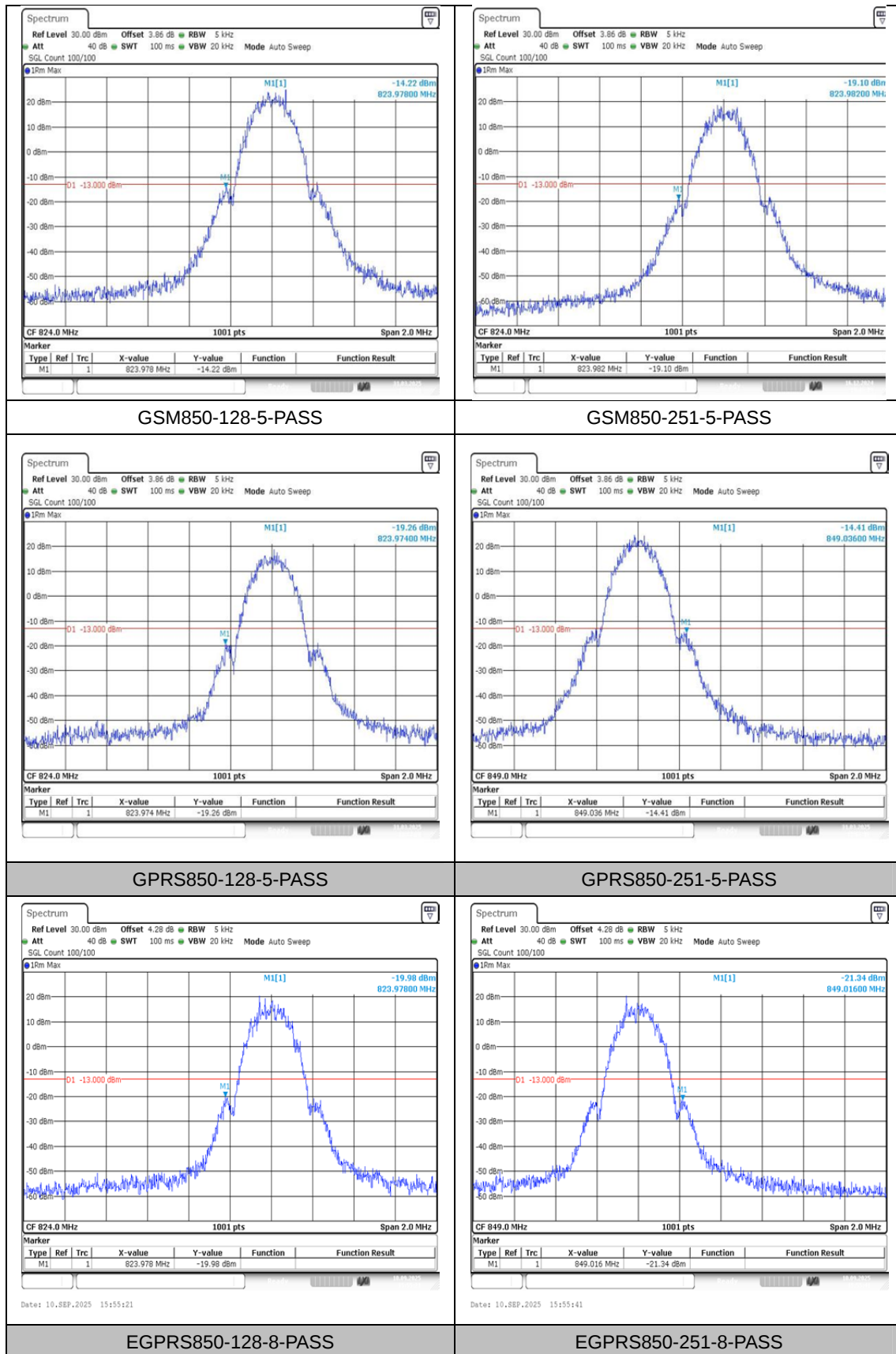


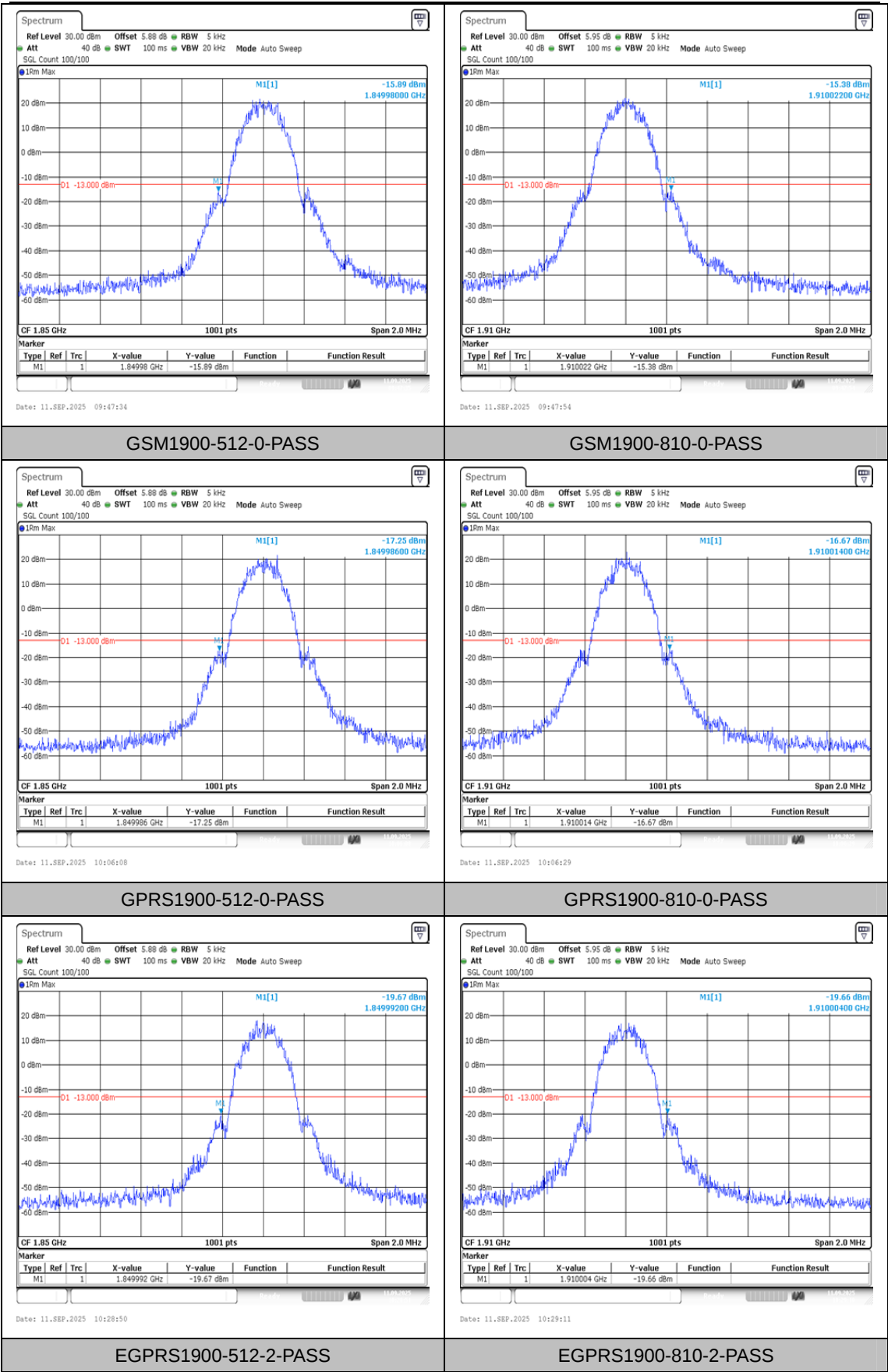
Appendix D: Band Edge

Test Result

Band	Channel	Freq (MHz)	Limit(dBm)	Verdict
GSM850	128	823.98	-13	PASS
GSM850	251	849.02	-13	PASS
GPRS850	128	823.98	-13	PASS
GPRS850	251	849.02	-13	PASS
EGPRS850	128	823.98	-13	PASS
EGPRS850	251	849.02	-13	PASS
GSM1900	512	1849.98	-13	PASS
GSM1900	810	1910.02	-13	PASS
GPRS1900	512	1849.99	-13	PASS
GPRS1900	810	1910.01	-13	PASS
EGPRS1900	512	1849.99	-13	PASS
EGPRS1900	810	1910.00	-13	PASS

Test Graphs





Appendix E: Conducted Spurious Emission

Test Result

Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM850	128	0.009~0.15MHz	0.01	-62.03	-33	PASS
GSM850	128	0.15~30MHz	0.18	-62.87	-23	PASS
GSM850	128	30~1000MHz	941.77	-49.18	-13	PASS
GSM850	128	1000~10000MHz	1648.13	-38.49	-13	PASS
GSM850	190	0.009~0.15MHz	0.01	-62.89	-33	PASS
GSM850	190	0.15~30MHz	0.15	-63.32	-23	PASS
GSM850	190	30~1000MHz	978.82	-48.83	-13	PASS
GSM850	190	1000~10000MHz	1673.33	-37.17	-13	PASS
GSM850	251	0.009~0.15MHz	0.01	-61.63	-33	PASS
GSM850	251	0.15~30MHz	0.18	-62.96	-23	PASS
GSM850	251	30~1000MHz	956.67	-49.08	-13	PASS
GSM850	251	1000~10000MHz	1697.63	-37.25	-13	PASS
GPRS850	128	0.009~0.15MHz	0.01	-61.08	-33	PASS
GPRS850	128	0.15~30MHz	0.18	-62.18	-23	PASS
GPRS850	128	30~1000MHz	960.29	-49.15	-13	PASS
GPRS850	128	1000~10000MHz	2472.5	-37.41	-13	PASS
GPRS850	190	0.009~0.15MHz	0.01	-61.66	-33	PASS
GPRS850	190	0.15~30MHz	0.17	-61.36	-23	PASS
GPRS850	190	30~1000MHz	985.42	-49.12	-13	PASS
GPRS850	190	1000~10000MHz	1673.33	-38.29	-13	PASS
GPRS850	251	0.009~0.15MHz	0.01	-61.98	-33	PASS
GPRS850	251	0.15~30MHz	0.18	-61.89	-23	PASS
GPRS850	251	30~1000MHz	982.06	-49.22	-13	PASS
GPRS850	251	1000~10000MHz	2546.3	-39.19	-13	PASS
EGPRS850	128	0.009~0.15MHz	0.01	-65.62	-33	PASS
EGPRS850	128	0.15~30MHz	0.18	-61.17	-23	PASS
EGPRS850	128	30~1000MHz	970.45	-49.09	-13	PASS
EGPRS850	128	1000~10000MHz	6570.36	-46.82	-13	PASS
EGPRS850	190	0.009~0.15MHz	0.01	-64.45	-33	PASS
EGPRS850	190	0.15~30MHz	0.17	-61.04	-23	PASS
EGPRS850	190	30~1000MHz	990.14	-48.87	-13	PASS
EGPRS850	190	1000~10000MHz	6555.66	-46.75	-13	PASS
EGPRS850	251	0.009~0.15MHz	0.01	-64.79	-33	PASS
EGPRS850	251	0.15~30MHz	0.18	-60.39	-23	PASS
EGPRS850	251	30~1000MHz	977.75	-48.99	-13	PASS
EGPRS850	251	1000~10000MHz	6603.36	-46.94	-13	PASS

GSM1900	512	0.009~0.15MHz	0.01	-65.02	-43	PASS
GSM1900	512	0.15~30MHz	0.15	-64.38	-33	PASS
GSM1900	512	30~1000MHz	987.96	-45.57	-13	PASS
GSM1900	512	1000~3000MHz	2997.53	-34.81	-13	PASS
GSM1900	512	3000~18000MHz	6563.13	-44.21	-13	PASS
GSM1900	661	0.009~0.15MHz	0.01	-64.46	-43	PASS
GSM1900	661	0.15~30MHz	0.15	-64.49	-33	PASS
GSM1900	661	30~1000MHz	994.94	-45.63	-13	PASS
GSM1900	661	1000~3000MHz	2907.13	-34.73	-13	PASS
GSM1900	661	3000~18000MHz	6619.13	-44.12	-13	PASS
GSM1900	810	0.009~0.15MHz	0.01	-64.85	-43	PASS
GSM1900	810	0.15~30MHz	0.16	-64.11	-33	PASS
GSM1900	810	30~1000MHz	987.31	-45.66	-13	PASS
GSM1900	810	1000~3000MHz	2956.2	-34.69	-13	PASS
GSM1900	810	3000~18000MHz	3819.72	-35.37	-13	PASS
GPRS1900	512	0.009~0.15MHz	0.01	-65.19	-43	PASS
GPRS1900	512	0.15~30MHz	0.43	-64.33	-33	PASS
GPRS1900	512	30~1000MHz	907.13	-45.48	-13	PASS
GPRS1900	512	1000~3000MHz	2943.53	-34.8	-13	PASS
GPRS1900	512	3000~18000MHz	3700.23	-39.35	-13	PASS
GPRS1900	661	0.009~0.15MHz	0.01	-64.18	-43	PASS
GPRS1900	661	0.15~30MHz	0.15	-64.07	-33	PASS
GPRS1900	661	30~1000MHz	947.48	-45.62	-13	PASS
GPRS1900	661	1000~3000MHz	2945.93	-34.61	-13	PASS
GPRS1900	661	3000~18000MHz	3760.22	-39.71	-13	PASS
GPRS1900	810	0.009~0.15MHz	0.01	-66.62	-43	PASS
GPRS1900	810	0.15~30MHz	0.15	-63.48	-33	PASS
GPRS1900	810	30~1000MHz	988.18	-45.56	-13	PASS
GPRS1900	810	1000~3000MHz	2918.87	-34.77	-13	PASS
GPRS1900	810	3000~18000MHz	3819.72	-38.26	-13	PASS
EGPRS1900	512	0.009~0.15MHz	0.01	-65.03	-43	PASS
EGPRS1900	512	0.15~30MHz	0.16	-64.05	-33	PASS
EGPRS1900	512	30~1000MHz	931.67	-45.65	-13	PASS
EGPRS1900	512	1000~3000MHz	2934.87	-34.83	-13	PASS
EGPRS1900	512	3000~18000MHz	3700.23	-43.28	-13	PASS
EGPRS1900	661	0.009~0.15MHz	0.01	-63.06	-43	PASS
EGPRS1900	661	0.15~30MHz	0.17	-63.34	-33	PASS
EGPRS1900	661	30~1000MHz	967.62	-45.66	-13	PASS
EGPRS1900	661	1000~3000MHz	2997.53	-34.82	-13	PASS
EGPRS1900	661	3000~18000MHz	3759.72	-38.81	-13	PASS
EGPRS1900	810	0.009~0.15MHz	0.01	-64.04	-43	PASS
EGPRS1900	810	0.15~30MHz	0.15	-62.93	-33	PASS

EGPRS1900	810	30~1000MHz	994.97	-45.65	-13	PASS
EGPRS1900	810	1000~3000MHz	2979.07	-34.71	-13	PASS
EGPRS1900	810	3000~18000MHz	6613.63	-44.08	-13	PASS

Test Graphs

