

Appendix for GSM850&GSM1900

Product Name: Mobile Phone

Model No: HERO

Appendix A: Average Power Output Data

Test Result

Band	Channel	ERP/EIRP(dBm)	Limit(dBm)	Verdict
GSM850	128	32.05	38.45	PASS
GSM850	190	32.17	38.45	PASS
GSM850	251	32.01	38.45	PASS
GSM1900	512	28.73	33.00	PASS
GSM1900	661	28.19	33.00	PASS
GSM1900	810	27.95	33.00	PASS

Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
GPRS850	128	1	32.01	38.45	PASS
GPRS850	128	2	29.93	38.45	PASS
GPRS850	128	3	28.04	38.45	PASS
GPRS850	128	4	25.85	38.45	PASS
GPRS850	190	1	32.12	38.45	PASS
GPRS850	190	2	30.05	38.45	PASS
GPRS850	190	3	28.20	38.45	PASS
GPRS850	190	4	26.02	38.45	PASS
GPRS850	251	1	31.96	38.45	PASS
GPRS850	251	2	29.94	38.45	PASS
GPRS850	251	3	28.15	38.45	PASS
GPRS850	251	4	26.03	38.45	PASS
GPRS1900	512	1	28.29	33.00	PASS
GPRS1900	512	2	26.03	33.00	PASS
GPRS1900	512	3	24.40	33.00	PASS
GPRS1900	512	4	22.40	33.00	PASS
GPRS1900	661	1	28.38	33.00	PASS
GPRS1900	661	2	25.90	33.00	PASS
GPRS1900	661	3	24.30	33.00	PASS
GPRS1900	661	4	22.32	33.00	PASS
GPRS1900	810	1	28.18	33.00	PASS

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GPRS190 0	810	2	25.59	33.00	PASS
GPRS190 0	810	3	24.04	33.00	PASS
GPRS190 0	810	4	22.10	33.00	PASS

Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
EGPRS85 0	128	1	24.67	38.45	PASS
EGPRS85 0	128	2	23.33	38.45	PASS
EGPRS85 0	128	3	21.24	38.45	PASS
EGPRS85 0	128	4	18.79	38.45	PASS
EGPRS85 0	190	1	24.71	38.45	PASS
EGPRS85 0	190	2	23.60	38.45	PASS
EGPRS85 0	190	3	21.35	38.45	PASS
EGPRS85 0	190	4	19.14	38.45	PASS
EGPRS85 0	251	1	24.72	38.45	PASS
EGPRS85 0	251	2	23.62	38.45	PASS
EGPRS85 0	251	3	21.51	38.45	PASS
EGPRS85 0	251	4	19.10	38.45	PASS
EGPRS19 00	512	1	23.70	33.00	PASS
EGPRS19 00	512	2	21.98	33.00	PASS
EGPRS19 00	512	3	19.71	33.00	PASS
EGPRS19 00	512	4	16.89	33.00	PASS
EGPRS19	661	1	23.06	33.00	PASS

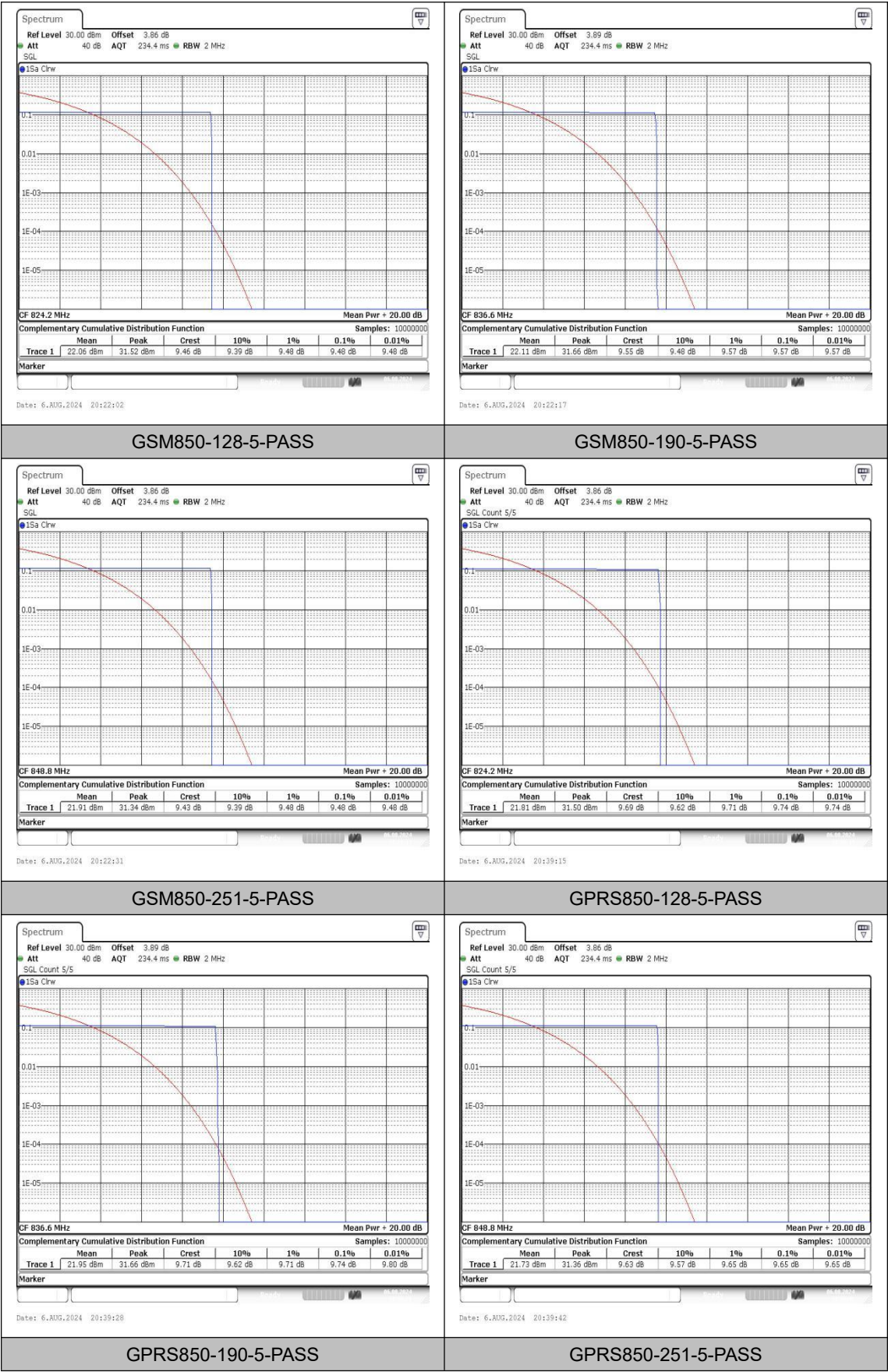
00					
EGPRS19 00	661	2	21.58	33.00	PASS
EGPRS19 00	661	3	19.32	33.00	PASS
EGPRS19 00	661	4	16.63	33.00	PASS
EGPRS19 00	810	1	22.52	33.00	PASS
EGPRS19 00	810	2	21.16	33.00	PASS
EGPRS19 00	810	3	18.78	33.00	PASS
EGPRS19 00	810	4	15.98	33.00	PASS

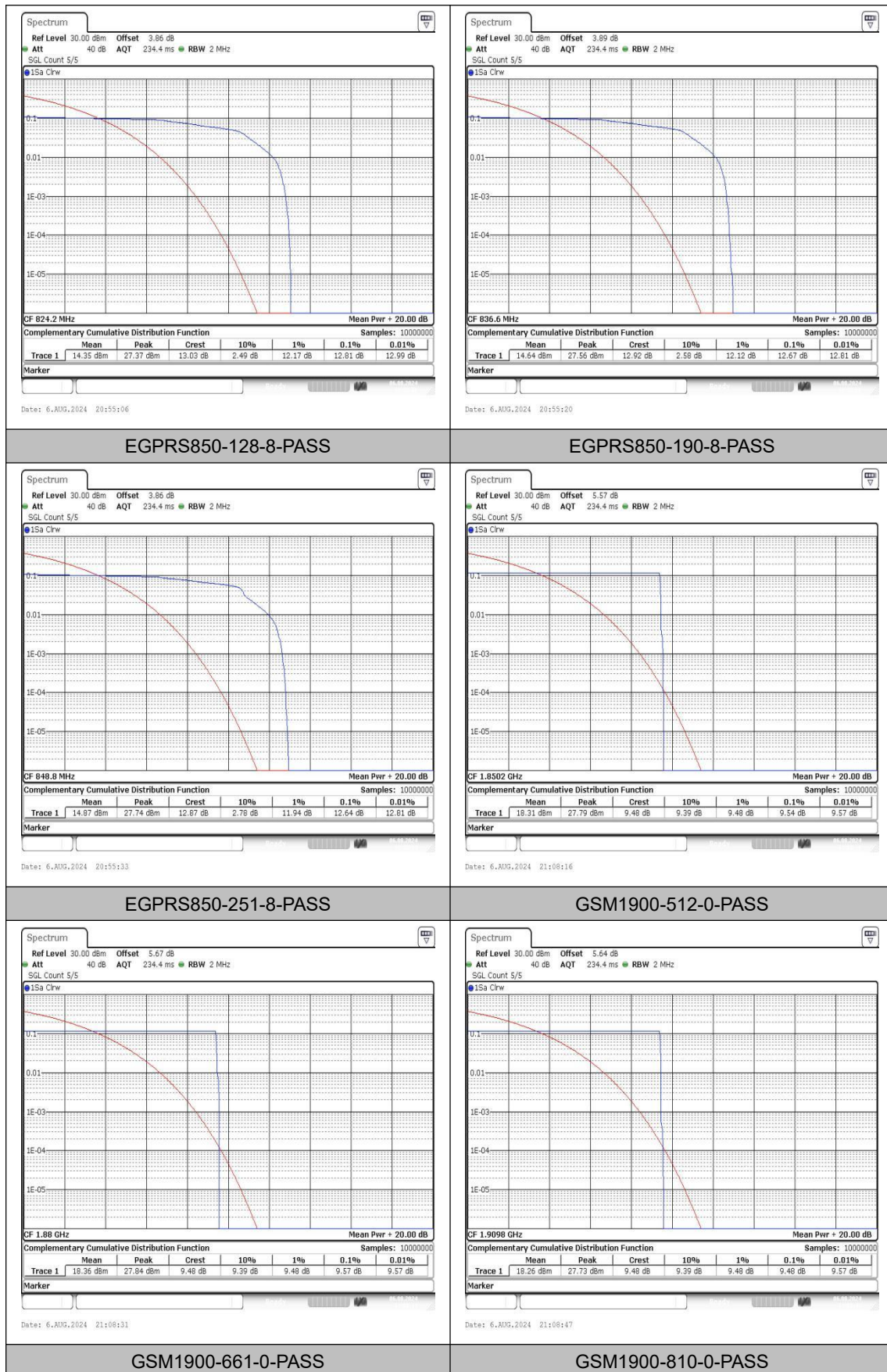
Appendix B: Peak-to-Average Ratio(CCDF)

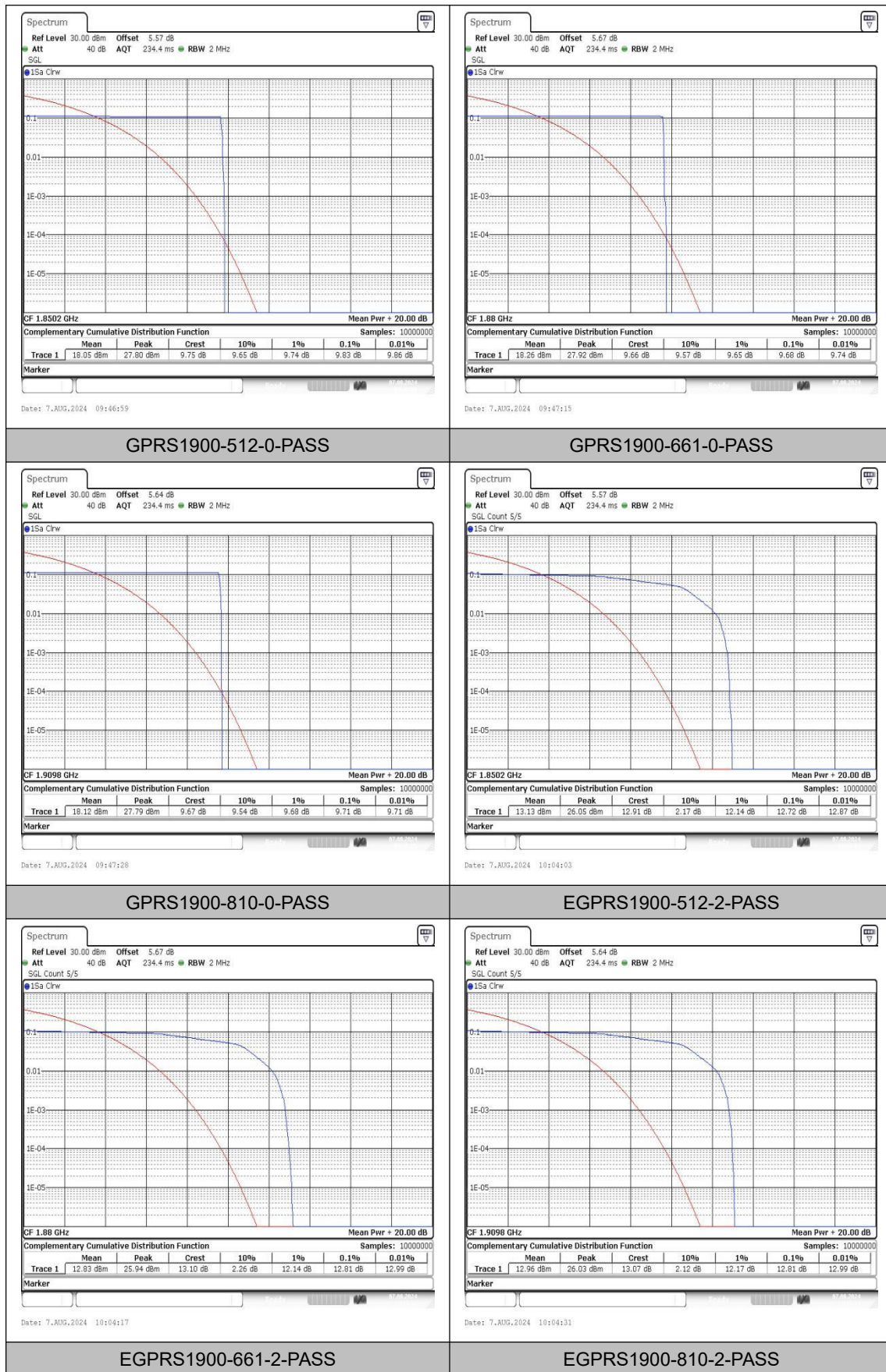
Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	128	9.48	13	PASS
GSM850	190	9.57	13	PASS
GSM850	251	9.48	13	PASS
GPRS850	128	9.74	13	PASS
GPRS850	190	9.74	13	PASS
GPRS850	251	9.65	13	PASS
EGPRS850	128	12.81	13	PASS
EGPRS850	190	12.67	13	PASS
EGPRS850	251	12.64	13	PASS
GSM1900	512	9.54	13	PASS
GSM1900	661	9.57	13	PASS
GSM1900	810	9.48	13	PASS
GPRS1900	512	9.83	13	PASS
GPRS1900	661	9.68	13	PASS
GPRS1900	810	9.71	13	PASS
EGPRS1900	512	12.72	13	PASS
EGPRS1900	661	12.81	13	PASS
EGPRS1900	810	12.81	13	PASS

Test Graphs





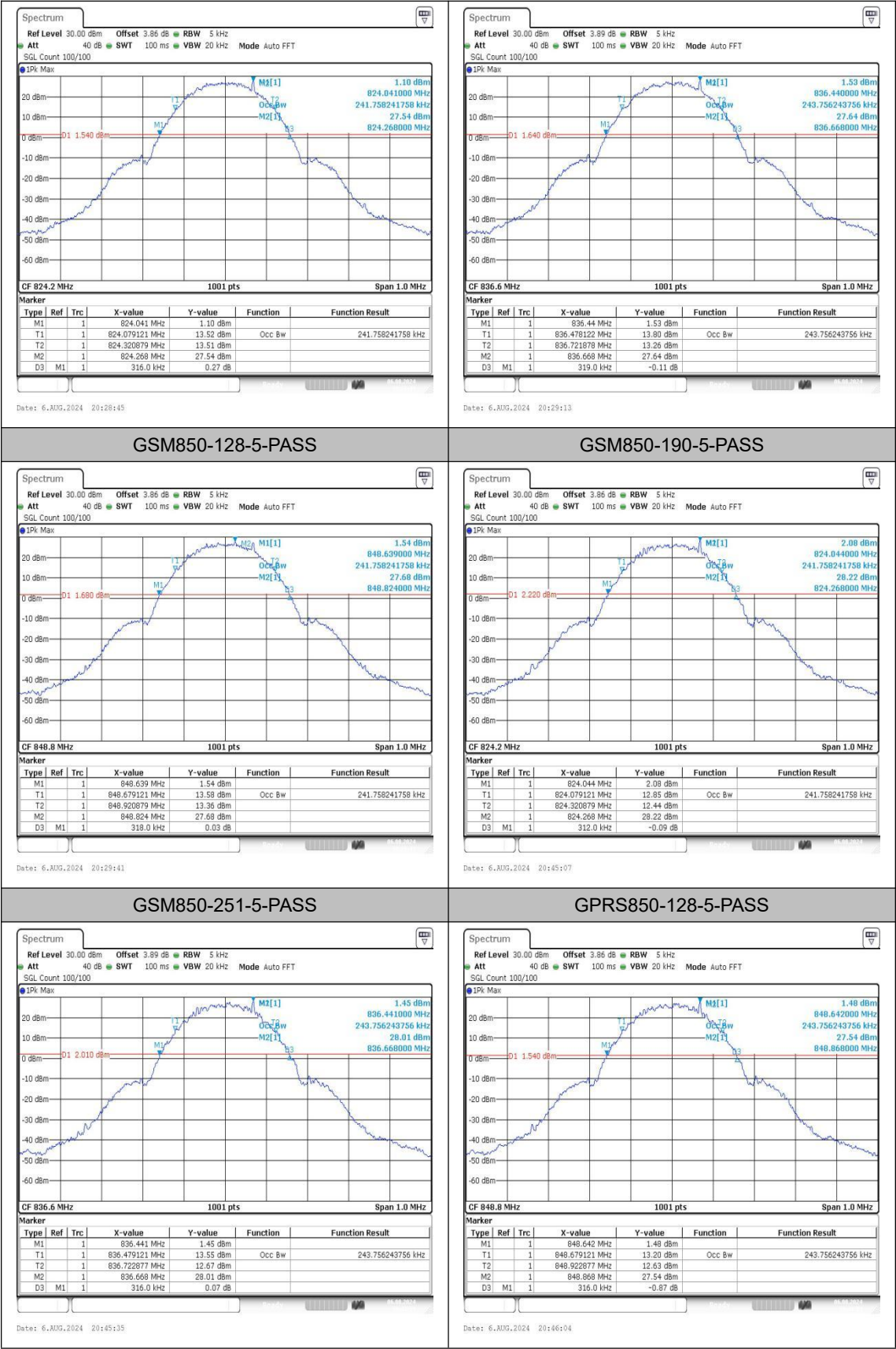


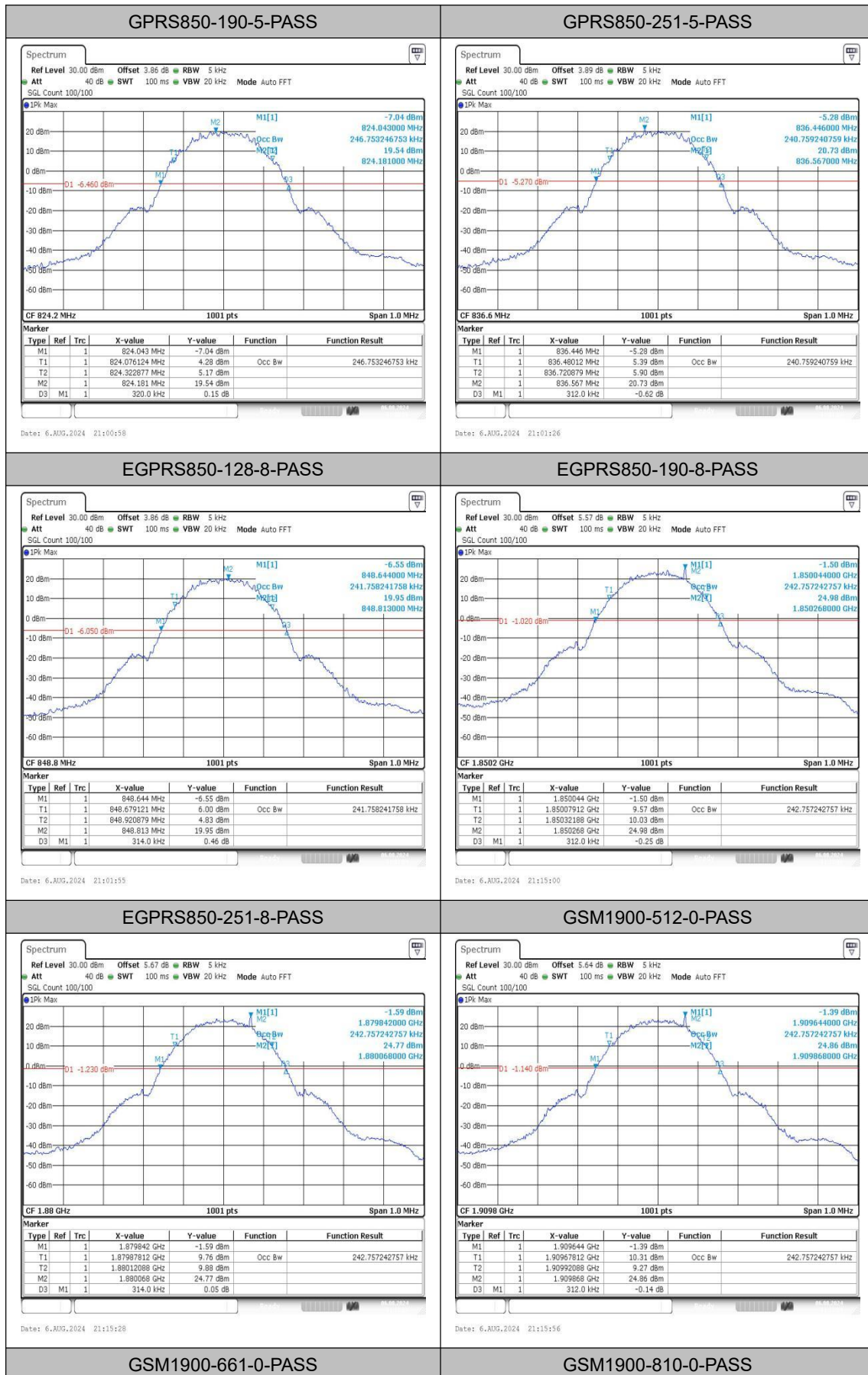
Appendix C: 26dB Bandwidth and Occupied Bandwidth

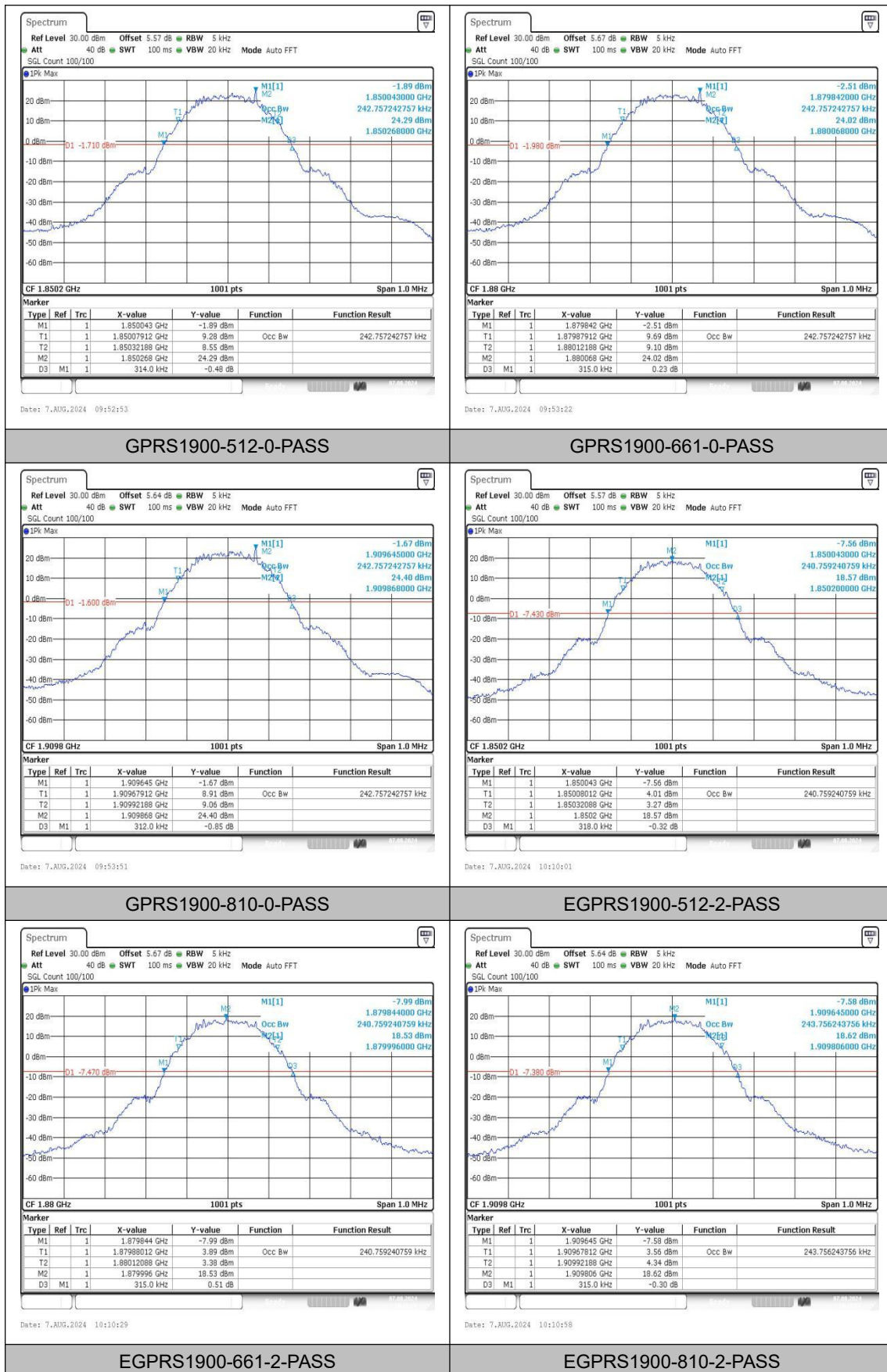
Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.242	0.32	---	PASS
GSM850	190	0.244	0.32	---	PASS
GSM850	251	0.242	0.32	---	PASS
GPRS850	128	0.242	0.31	---	PASS
GPRS850	190	0.244	0.32	---	PASS
GPRS850	251	0.244	0.32	---	PASS
EGPRS850	128	0.247	0.32	---	PASS
EGPRS850	190	0.241	0.31	---	PASS
EGPRS850	251	0.242	0.31	---	PASS
GSM1900	512	0.243	0.31	---	PASS
GSM1900	661	0.243	0.31	---	PASS
GSM1900	810	0.243	0.31	---	PASS
GPRS1900	512	0.243	0.31	---	PASS
GPRS1900	661	0.243	0.31	---	PASS
GPRS1900	810	0.243	0.31	---	PASS
EGPRS1900	512	0.241	0.32	---	PASS
EGPRS1900	661	0.241	0.32	---	PASS
EGPRS1900	810	0.244	0.32	---	PASS

Test Graphs





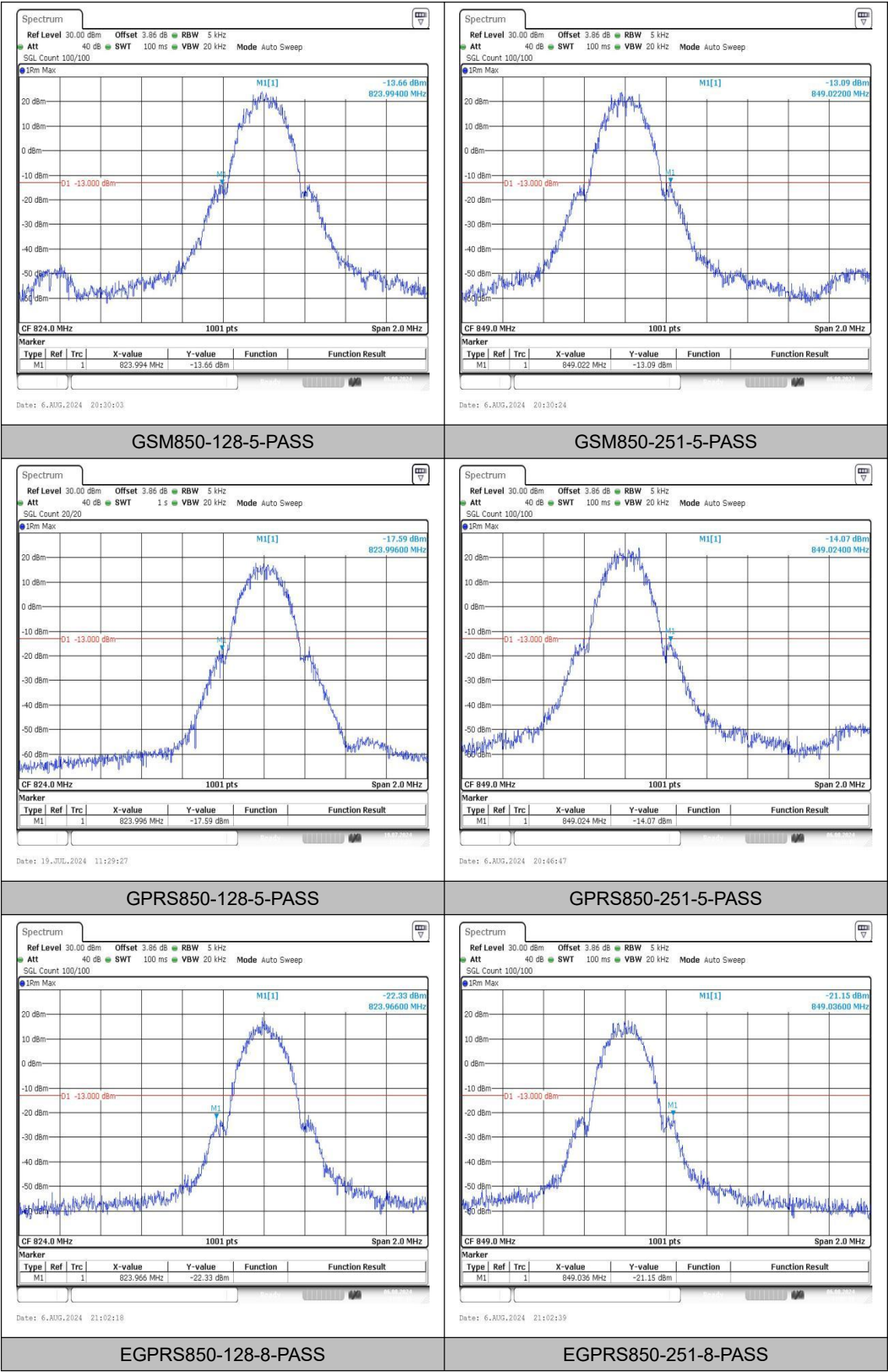


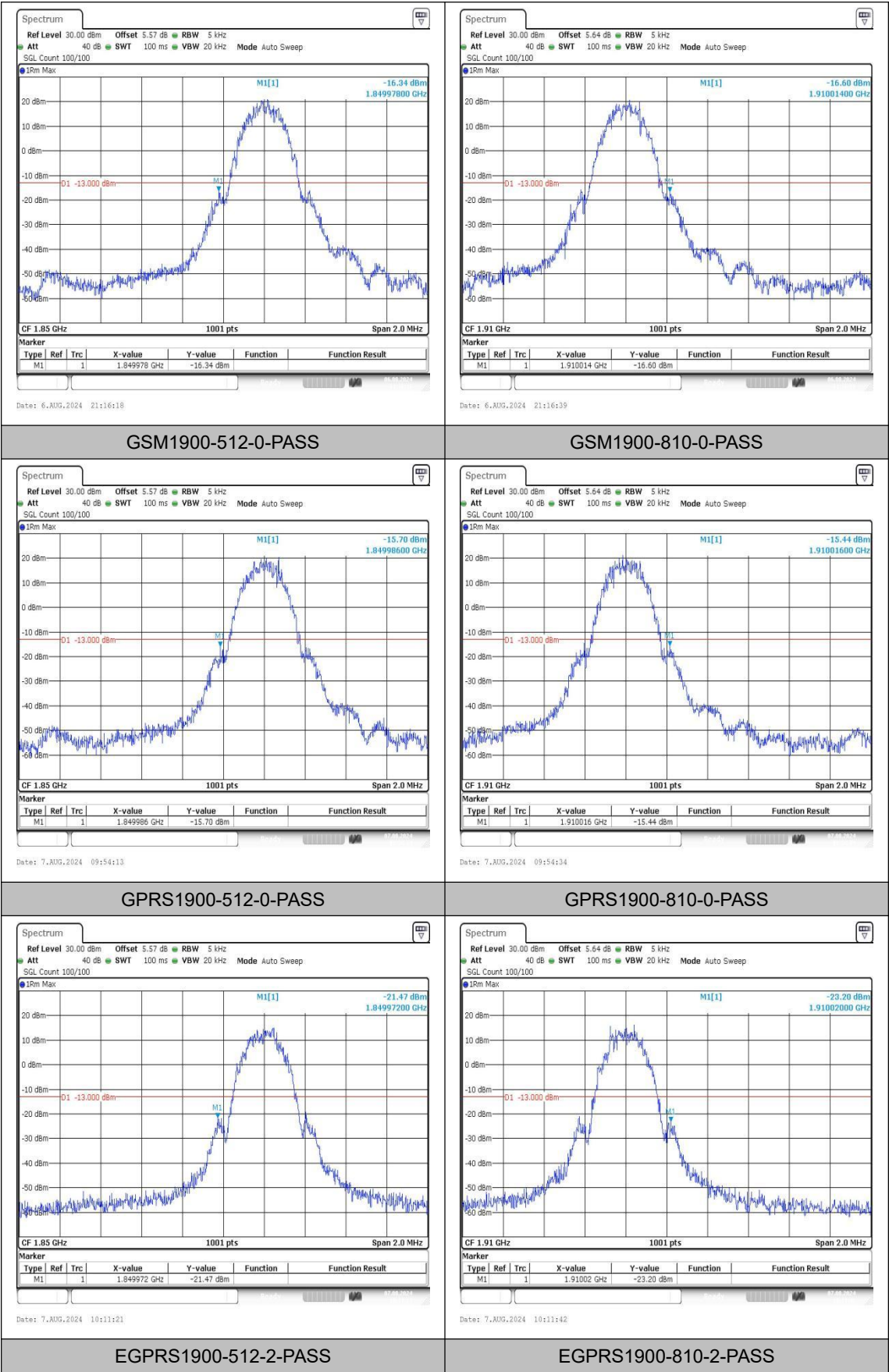
Appendix D: Band Edge

Test Result

Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	823.99	-13.66	-13	PASS
GSM850	251	849.02	-13.09	-13	PASS
GPRS850	128	824.00	-11.95	-13	PASS
GPRS850	251	849.02	-14.07	-13	PASS
EGPRS850	128	823.97	-22.33	-13	PASS
EGPRS850	251	849.04	-21.15	-13	PASS
GSM1900	512	1849.98	-16.34	-13	PASS
GSM1900	810	1910.01	-16.60	-13	PASS
GPRS1900	512	1849.99	-15.70	-13	PASS
GPRS1900	810	1910.02	-15.44	-13	PASS
EGPRS1900	512	1849.97	-21.47	-13	PASS
EGPRS1900	810	1910.02	-23.20	-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	-70.05	-33	PASS
GSM850	128	0.15~30MHz	0.16	-63.86	-23	PASS
GSM850	128	30~1000MHz	964.37	-51.8	-13	PASS
GSM850	128	1000~10000MHz	6566.46	-49.76	-13	PASS
GSM850	190	0.009~0.15MHz	0.01	-71.06	-33	PASS
GSM850	190	0.15~30MHz	0.15	-63.72	-23	PASS
GSM850	190	30~1000MHz	971.19	-51.92	-13	PASS
GSM850	190	1000~10000MHz	1673.33	-37	-13	PASS
GSM850	251	0.009~0.15MHz	0.01	-68.13	-33	PASS
GSM850	251	0.15~30MHz	0.15	-63.3	-23	PASS
GSM850	251	30~1000MHz	993.76	-51.56	-13	PASS
GSM850	251	1000~10000MHz	1697.93	-40.23	-13	PASS
GPRS850	128	0.009~0.15MHz	0.01	-70.14	-33	PASS
GPRS850	128	0.15~30MHz	0.19	-63.96	-23	PASS
GPRS850	128	30~1000MHz	951.11	-51.56	-13	PASS
GPRS850	128	1000~10000MHz	1649.33	-45.3	-13	PASS
GPRS850	190	0.009~0.15MHz	0.01	-69.52	-33	PASS
GPRS850	190	0.15~30MHz	0.17	-61.53	-23	PASS
GPRS850	190	30~1000MHz	985.13	-51.2	-13	PASS
GPRS850	190	1000~10000MHz	1673.33	-37.1	-13	PASS
GPRS850	251	0.009~0.15MHz	0.01	-69.88	-33	PASS
GPRS850	251	0.15~30MHz	0.15	-63.38	-23	PASS
GPRS850	251	30~1000MHz	977.24	-51.49	-13	PASS
GPRS850	251	1000~10000MHz	2546.6	-39.18	-13	PASS
EGPRS850	128	0.009~0.15MHz	0.01	-73.89	-33	PASS
EGPRS850	128	0.15~30MHz	0.21	-63.72	-23	PASS
EGPRS850	128	30~1000MHz	949.66	-51.47	-13	PASS
EGPRS850	128	1000~10000MHz	6903.05	-49.93	-13	PASS
EGPRS850	190	0.009~0.15MHz	0.01	-74.26	-33	PASS
EGPRS850	190	0.15~30MHz	0.15	-61.96	-23	PASS
EGPRS850	190	30~1000MHz	996.61	-51.14	-13	PASS
EGPRS850	190	1000~10000MHz	6578.46	-49.96	-13	PASS
EGPRS850	251	0.009~0.15MHz	0.01	-72.72	-33	PASS
EGPRS850	251	0.15~30MHz	0.2	-63.78	-23	PASS
EGPRS850	251	30~1000MHz	973.26	-51.89	-13	PASS

EGPRS850	251	1000~10000MHz	6586.86	-49.94	-13	PASS
GSM1900	512	0.009~0.15MHz	0.01	-71.6	-43	PASS
GSM1900	512	0.15~30MHz	0.15	-63.79	-33	PASS
GSM1900	512	30~1000MHz	946.28	-48.58	-13	PASS
GSM1900	512	1000~3000MHz	2964.8	-37.63	-13	PASS
GSM1900	512	3000~18000MHz	3700.23	-36.84	-13	PASS
GSM1900	661	0.009~0.15MHz	0.01	-72.81	-43	PASS
GSM1900	661	0.15~30MHz	0.16	-64.01	-33	PASS
GSM1900	661	30~1000MHz	962.09	-48.75	-13	PASS
GSM1900	661	1000~3000MHz	2931.13	-37.67	-13	PASS
GSM1900	661	3000~18000MHz	5640.16	-44.31	-13	PASS
GSM1900	810	0.009~0.15MHz	0.01	-72.6	-43	PASS
GSM1900	810	0.15~30MHz	0.16	-62.44	-33	PASS
GSM1900	810	30~1000MHz	971.01	-48.69	-13	PASS
GSM1900	810	1000~3000MHz	2973.27	-37.73	-13	PASS
GSM1900	810	3000~18000MHz	3819.22	-42.15	-13	PASS
GPRS1900	512	0.009~0.15MHz	0.01	-72.24	-43	PASS
GPRS1900	512	0.15~30MHz	0.28	-64.4	-33	PASS
GPRS1900	512	30~1000MHz	931.31	-48.85	-13	PASS
GPRS1900	512	1000~3000MHz	2998.8	-37.74	-13	PASS
GPRS1900	512	3000~18000MHz	3700.23	-37.03	-13	PASS
GPRS1900	661	0.009~0.15MHz	0.01	-72.54	-43	PASS
GPRS1900	661	0.15~30MHz	0.16	-63.38	-33	PASS
GPRS1900	661	30~1000MHz	944.76	-48.81	-13	PASS
GPRS1900	661	1000~3000MHz	2925.2	-37.86	-13	PASS
GPRS1900	661	3000~18000MHz	3760.22	-36.99	-13	PASS
GPRS1900	810	0.009~0.15MHz	0.01	-72.03	-43	PASS
GPRS1900	810	0.15~30MHz	0.15	-62.75	-33	PASS
GPRS1900	810	30~1000MHz	999.66	-48.57	-13	PASS
GPRS1900	810	1000~3000MHz	2940.87	-37.69	-13	PASS
GPRS1900	810	3000~18000MHz	3819.72	-34.68	-13	PASS
EGPRS1900	512	0.009~0.15MHz	0.02	-74.35	-43	PASS
EGPRS1900	512	0.15~30MHz	0.16	-63.38	-33	PASS
EGPRS1900	512	30~1000MHz	913.17	-48.83	-13	PASS
EGPRS1900	512	1000~3000MHz	2915.8	-37.79	-13	PASS
EGPRS1900	512	3000~18000MHz	6548.13	-47.04	-13	PASS
EGPRS1900	661	0.009~0.15MHz	0.07	-74.95	-43	PASS
EGPRS1900	661	0.15~30MHz	0.17	-63.81	-33	PASS
EGPRS1900	661	30~1000MHz	916.76	-48.68	-13	PASS
EGPRS1900	661	1000~3000MHz	2957.33	-37.74	-13	PASS
EGPRS1900	661	3000~18000MHz	6599.13	-47.09	-13	PASS
EGPRS1900	810	0.009~0.15MHz	0.01	-74.08	-43	PASS

EGPRS1900	810	0.15~30MHz	0.18	-64.46	-33	PASS
EGPRS1900	810	30~1000MHz	924.13	-48.76	-13	PASS
EGPRS1900	810	1000~3000MHz	2954.6	-37.71	-13	PASS
EGPRS1900	810	3000~18000MHz	3819.72	-46.32	-13	PASS

Test Graphs

