

. Appendix for GSM850&GSM1900

Product Name: Mobile Phone

Model No: IDOL

Appendix A: Average Power Output Data

Test Result

Band	Channel	ERP/EIRP(dBm)	Limit(dBm)	Verdict
GSM850	128	32.08	38.45	PASS
GSM850	190	32.21	38.45	PASS
GSM850	251	32.06	38.45	PASS
GSM1900	512	28.42	33.00	PASS
GSM1900	661	28.31	33.00	PASS
GSM1900	810	28.24	33.00	PASS

Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
GPRS850	128	1	32.09	38.45	PASS
GPRS850	128	2	29.92	38.45	PASS
GPRS850	128	3	27.99	38.45	PASS
GPRS850	128	4	25.91	38.45	PASS
GPRS850	190	1	32.17	38.45	PASS
GPRS850	190	2	30.05	38.45	PASS
GPRS850	190	3	28.16	38.45	PASS
GPRS850	190	4	26.11	38.45	PASS
GPRS850	251	1	32.01	38.45	PASS
GPRS850	251	2	29.96	38.45	PASS
GPRS850	251	3	28.14	38.45	PASS
GPRS850	251	4	26.15	38.45	PASS
GPRS1900	512	1	28.41	33.00	PASS
GPRS1900	512	2	26.16	33.00	PASS
GPRS1900	512	3	24.59	33.00	PASS
GPRS1900	512	4	22.67	33.00	PASS
GPRS1900	661	1	28.36	33.00	PASS
GPRS1900	661	2	26.08	33.00	PASS
GPRS1900	661	3	24.53	33.00	PASS
GPRS1900	661	4	22.64	33.00	PASS
GPRS1900	810	1	28.27	33.00	PASS

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GPRS190 0	810	2	25.94	33.00	PASS
GPRS190 0	810	3	24.41	33.00	PASS
GPRS190 0	810	4	22.52	33.00	PASS

Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
EGPRS85 0	128	1	24.88	38.45	PASS
EGPRS85 0	128	2	23.74	38.45	PASS
EGPRS85 0	128	3	21.39	38.45	PASS
EGPRS85 0	128	4	19.07	38.45	PASS
EGPRS85 0	190	1	24.74	38.45	PASS
EGPRS85 0	190	2	23.78	38.45	PASS
EGPRS85 0	190	3	21.39	38.45	PASS
EGPRS85 0	190	4	19.14	38.45	PASS
EGPRS85 0	251	1	24.98	38.45	PASS
EGPRS85 0	251	2	24.06	38.45	PASS
EGPRS85 0	251	3	21.67	38.45	PASS
EGPRS85 0	251	4	19.39	38.45	PASS
EGPRS19 00	512	1	24.76	33.00	PASS
EGPRS19 00	512	2	22.71	33.00	PASS
EGPRS19 00	512	3	20.53	33.00	PASS
EGPRS19 00	512	4	18.60	33.00	PASS
EGPRS19	661	1	24.44	33.00	PASS

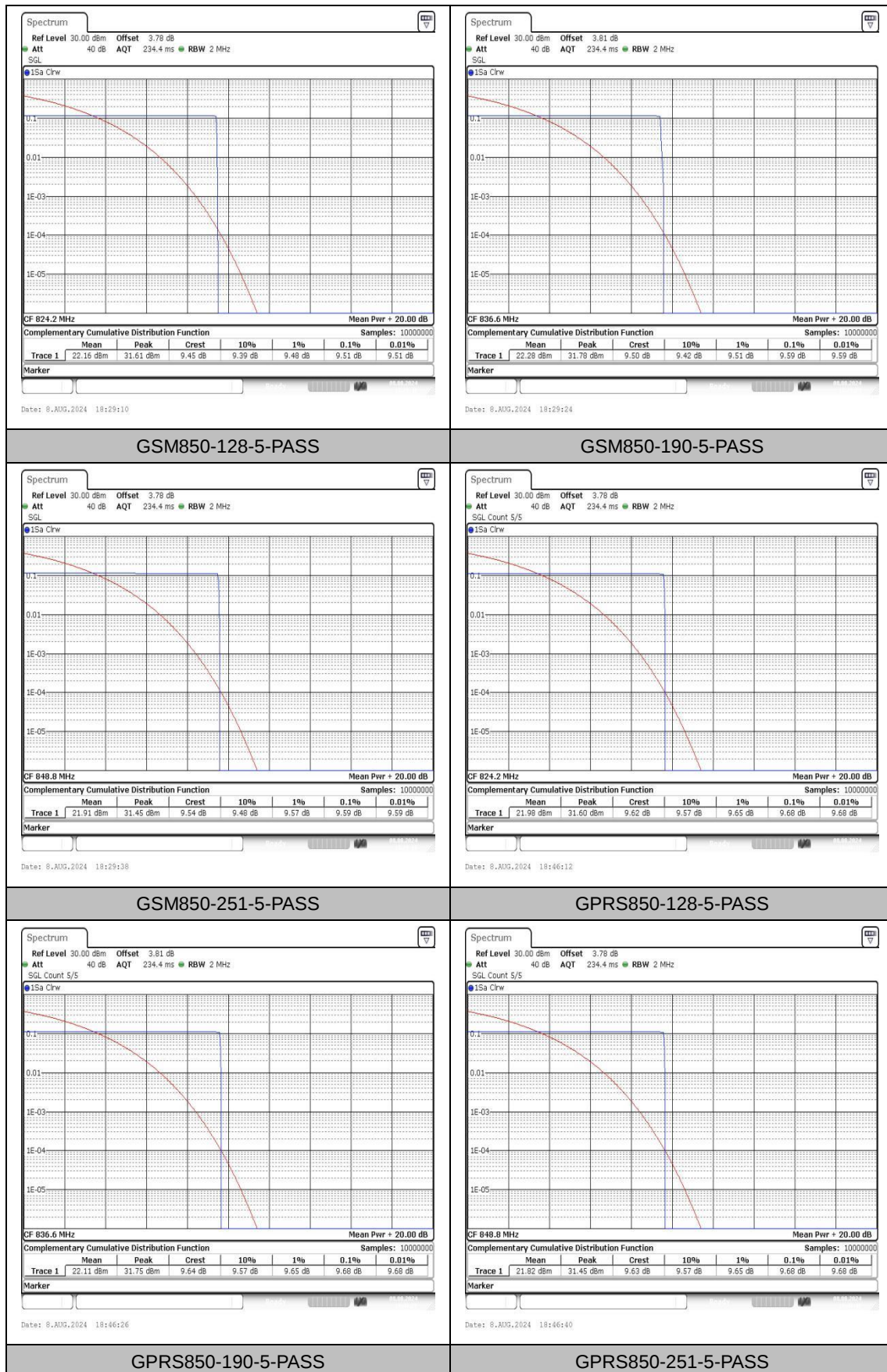
00					
EGPRS19 00	661	2	22.57	33.00	PASS
EGPRS19 00	661	3	20.35	33.00	PASS
EGPRS19 00	661	4	18.48	33.00	PASS
EGPRS19 00	810	1	23.58	33.00	PASS
EGPRS19 00	810	2	21.72	33.00	PASS
EGPRS19 00	810	3	19.60	33.00	PASS
EGPRS19 00	810	4	17.64	33.00	PASS

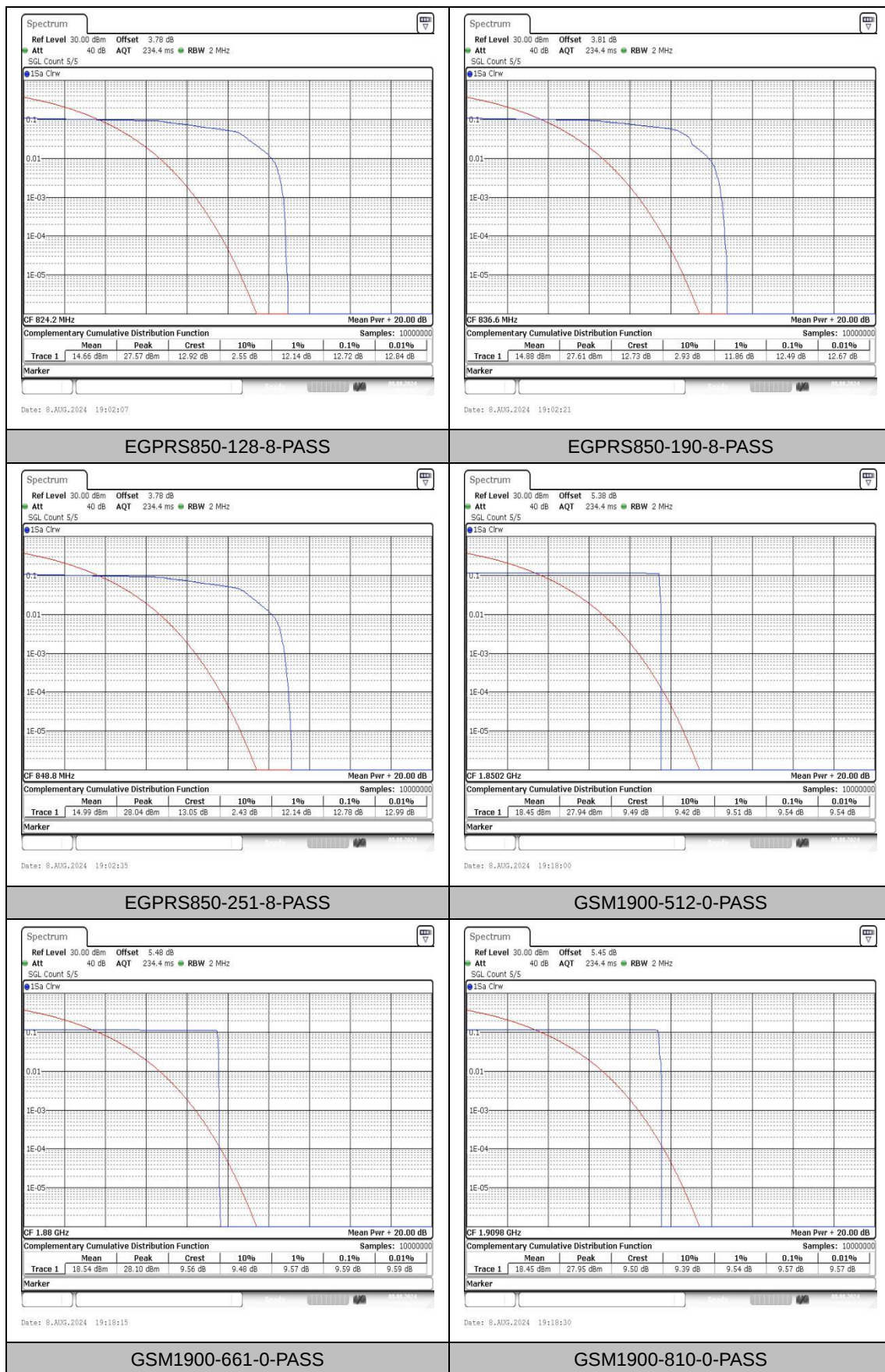
Appendix B: Peak-to-Average Ratio(CCDF)

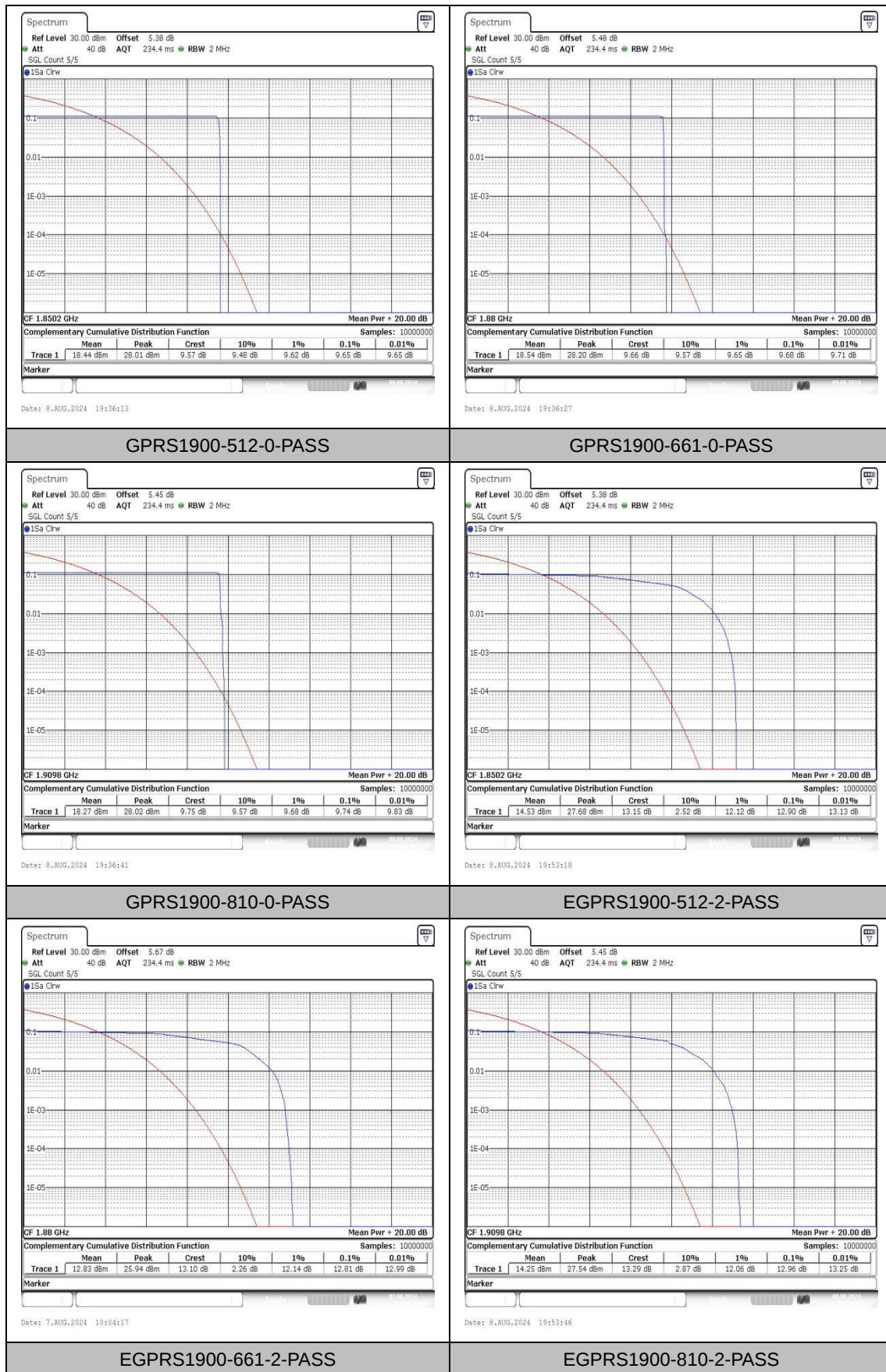
Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	128	9.51	13	PASS
GSM850	190	9.59	13	PASS
GSM850	251	9.59	13	PASS
GPRS850	128	9.68	13	PASS
GPRS850	190	9.68	13	PASS
GPRS850	251	9.68	13	PASS
EGPRS850	128	12.72	13	PASS
EGPRS850	190	12.49	13	PASS
EGPRS850	251	12.78	13	PASS
GSM1900	512	9.54	13	PASS
GSM1900	661	9.59	13	PASS
GSM1900	810	9.57	13	PASS
GPRS1900	512	9.65	13	PASS
GPRS1900	661	9.68	13	PASS
GPRS1900	810	9.74	13	PASS
EGPRS1900	512	12.90	13	PASS
EGPRS1900	661	12.81	13	PASS
EGPRS1900	810	12.96	13	PASS

Test Graphs





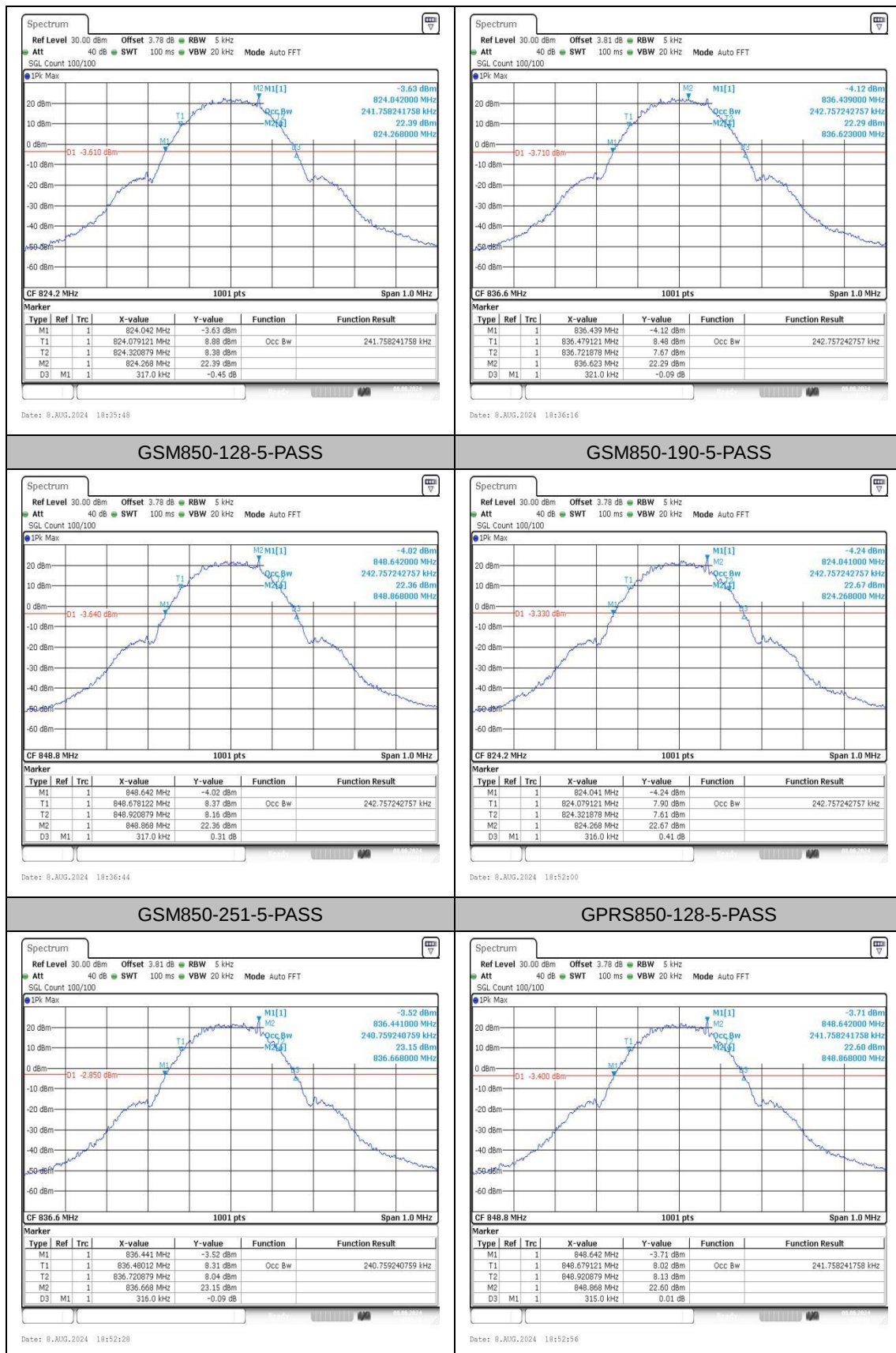


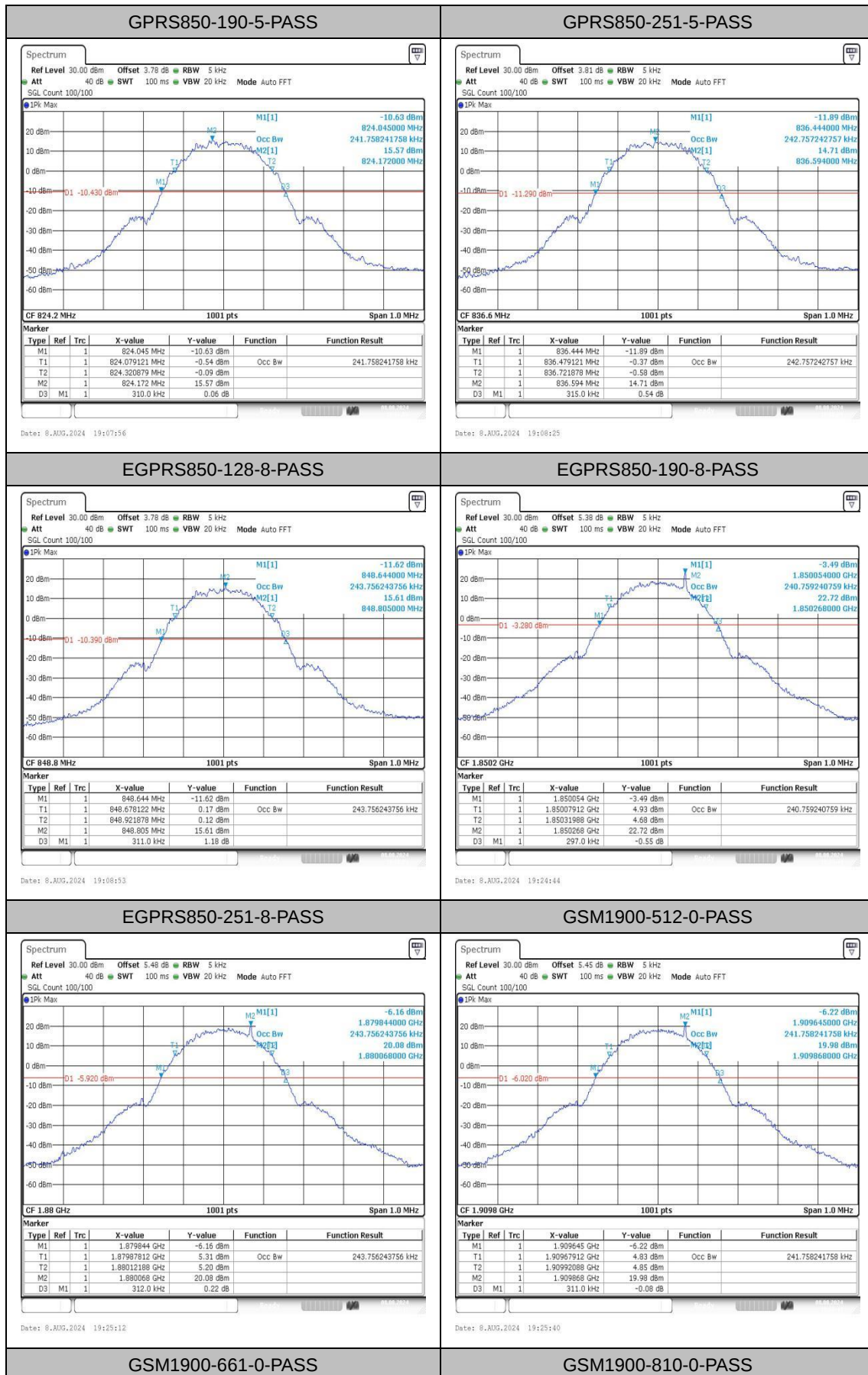
Appendix C: 26dB Bandwidth and Occupied Bandwidth

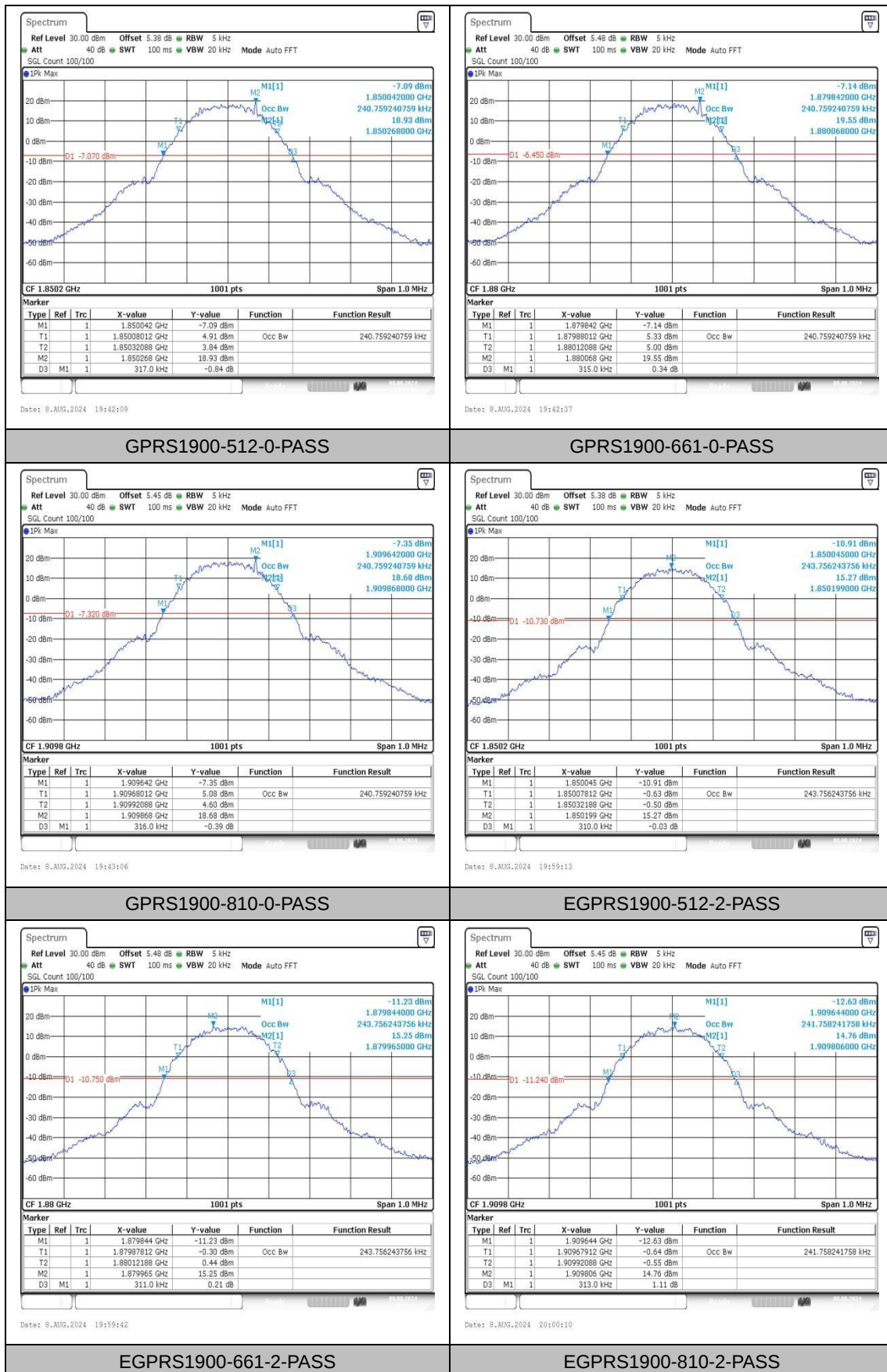
Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.242	0.32	---	PASS
GSM850	190	0.243	0.32	---	PASS
GSM850	251	0.243	0.32	---	PASS
GPRS850	128	0.243	0.32	---	PASS
GPRS850	190	0.241	0.32	---	PASS
GPRS850	251	0.242	0.32	---	PASS
EGPRS850	128	0.242	0.31	---	PASS
EGPRS850	190	0.243	0.31	---	PASS
EGPRS850	251	0.244	0.31	---	PASS
GSM1900	512	0.241	0.30	---	PASS
GSM1900	661	0.244	0.31	---	PASS
GSM1900	810	0.242	0.31	---	PASS
GPRS1900	512	0.241	0.32	---	PASS
GPRS1900	661	0.241	0.31	---	PASS
GPRS1900	810	0.241	0.32	---	PASS
EGPRS1900	512	0.244	0.31	---	PASS
EGPRS1900	661	0.244	0.31	---	PASS
EGPRS1900	810	0.242	0.31	---	PASS

Test Graphs





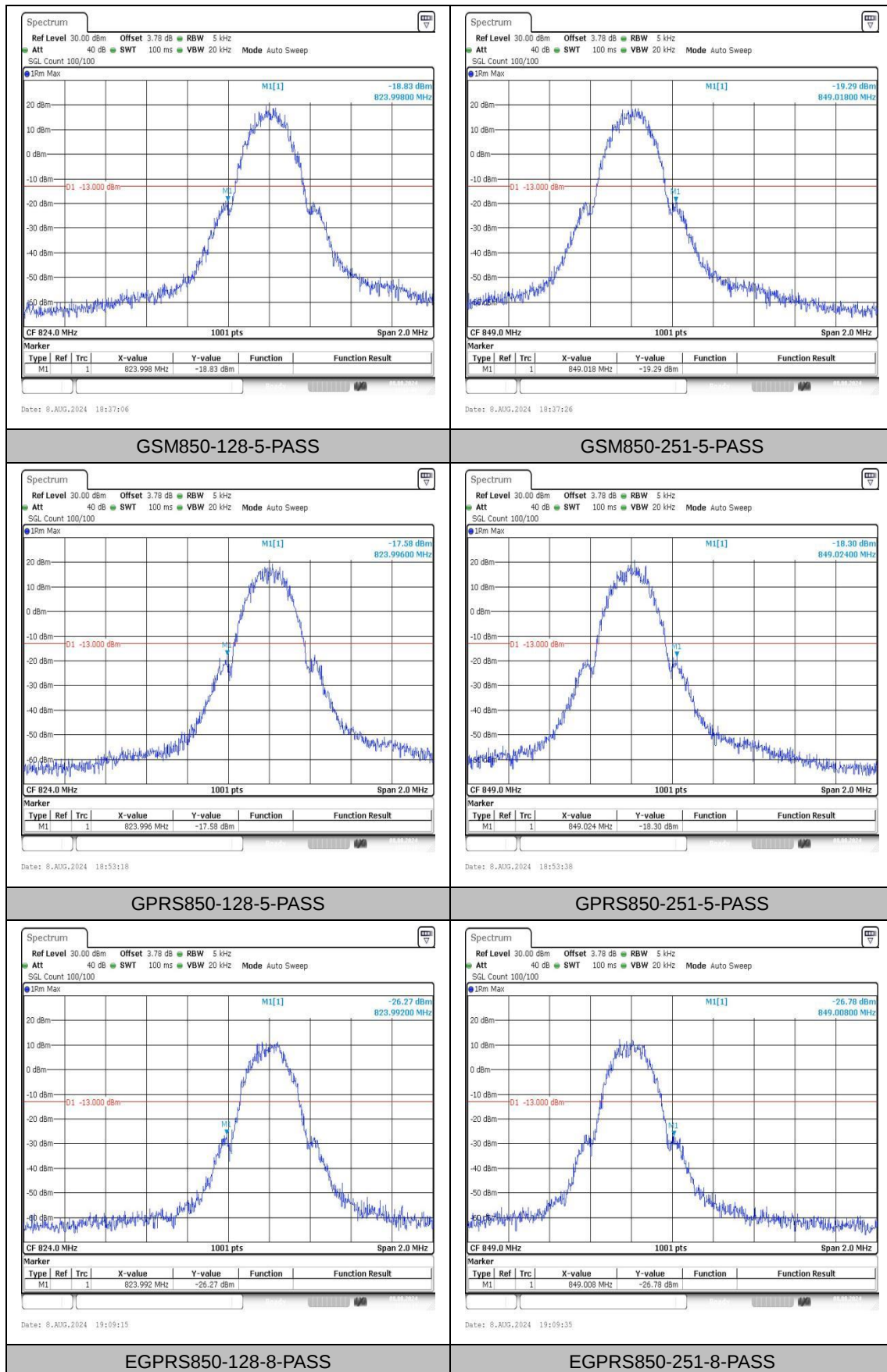


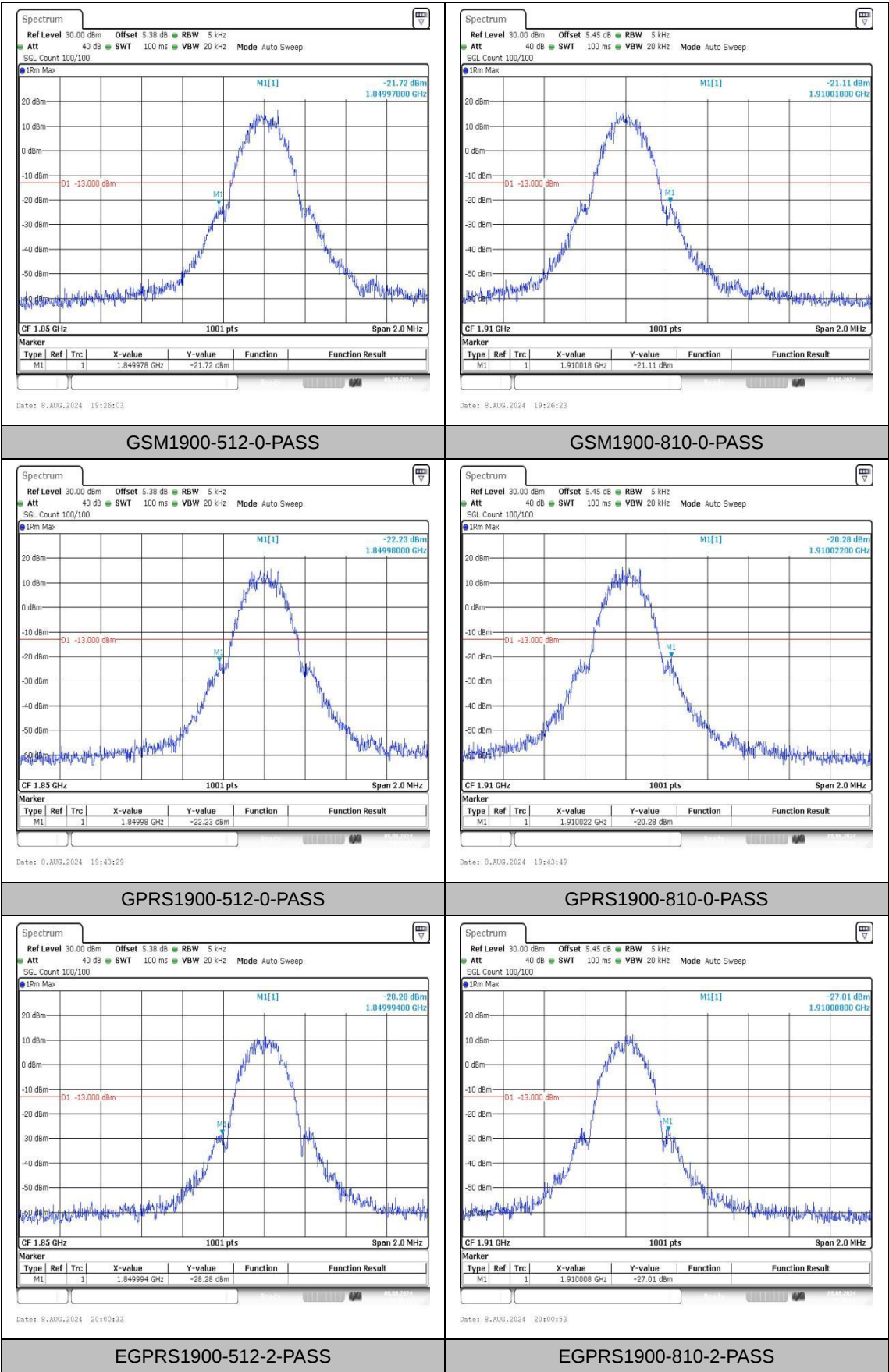
Appendix D: Band Edge

Test Result

Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	824.00	-18.83	-13	PASS
GSM850	251	849.02	-19.29	-13	PASS
GPRS850	128	824.00	-17.58	-13	PASS
GPRS850	251	849.02	-18.30	-13	PASS
EGPRS850	128	823.99	-26.27	-13	PASS
EGPRS850	251	849.01	-26.78	-13	PASS
GSM1900	512	1849.98	-21.72	-13	PASS
GSM1900	810	1910.02	-21.11	-13	PASS
GPRS1900	512	1849.98	-22.23	-13	PASS
GPRS1900	810	1910.02	-20.28	-13	PASS
EGPRS1900	512	1849.99	-28.28	-13	PASS
EGPRS1900	810	1910.01	-27.01	-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	-48.57	-33	PASS
GSM850	128	0.15~30MHz	0.23	-63.91	-23	PASS
GSM850	128	30~1000MHz	979.86	-54.24	-13	PASS
GSM850	128	1000~10000MHz	1648.43	-42.04	-13	PASS
GSM850	190	0.009~0.15MHz	0.01	-48.67	-33	PASS
GSM850	190	0.15~30MHz	0.16	-63.73	-23	PASS
GSM850	190	30~1000MHz	973.97	-54.15	-13	PASS
GSM850	190	1000~10000MHz	2510	-42.69	-13	PASS
GSM850	251	0.009~0.15MHz	0.01	-49.61	-33	PASS
GSM850	251	0.15~30MHz	0.15	-62.74	-23	PASS
GSM850	251	30~1000MHz	981.96	-54.35	-13	PASS
GSM850	251	1000~10000MHz	1697.93	-44.44	-13	PASS
GPRS850	128	0.009~0.15MHz	0.01	-48.72	-33	PASS
GPRS850	128	0.15~30MHz	0.15	-63.3	-23	PASS
GPRS850	128	30~1000MHz	935.79	-54.28	-13	PASS
GPRS850	128	1000~10000MHz	2472.8	-41.68	-13	PASS
GPRS850	190	0.009~0.15MHz	0.01	-48.64	-33	PASS
GPRS850	190	0.15~30MHz	0.36	-63.85	-23	PASS
GPRS850	190	30~1000MHz	958.97	-53.78	-13	PASS
GPRS850	190	1000~10000MHz	1673.33	-39.21	-13	PASS
GPRS850	251	0.009~0.15MHz	0.01	-49.51	-33	PASS
GPRS850	251	0.15~30MHz	0.18	-63.05	-23	PASS
GPRS850	251	30~1000MHz	617.88	-54.52	-13	PASS
GPRS850	251	1000~10000MHz	2546.3	-45.33	-13	PASS
EGPRS850	128	0.009~0.15MHz	0.01	-51.08	-33	PASS
EGPRS850	128	0.15~30MHz	0.16	-63.7	-23	PASS
EGPRS850	128	30~1000MHz	945.81	-53.83	-13	PASS
EGPRS850	128	1000~10000MHz	6591.66	-52.81	-13	PASS
EGPRS850	190	0.009~0.15MHz	0.01	-52.4	-33	PASS
EGPRS850	190	0.15~30MHz	0.16	-63.99	-23	PASS
EGPRS850	190	30~1000MHz	979.69	-54.1	-13	PASS
EGPRS850	190	1000~10000MHz	6616.26	-52.57	-13	PASS
EGPRS850	251	0.009~0.15MHz	0.01	-51.76	-33	PASS
EGPRS850	251	0.15~30MHz	0.18	-63.42	-23	PASS
EGPRS850	251	30~1000MHz	977.46	-54.47	-13	PASS

EGPRS850	251	1000~10000MHz	1697.63	-52.46	-13	PASS
GSM1900	512	0.009~0.15MHz	0.01	-55.22	-43	PASS
GSM1900	512	0.15~30MHz	0.18	-62.77	-33	PASS
GSM1900	512	30~1000MHz	996.3	-51.37	-13	PASS
GSM1900	512	1000~3000MHz	2980.13	-40.43	-13	PASS
GSM1900	512	3000~18000MHz	5550.66	-47.66	-13	PASS
GSM1900	661	0.009~0.15MHz	0.01	-55.86	-43	PASS
GSM1900	661	0.15~30MHz	0.15	-63.25	-33	PASS
GSM1900	661	30~1000MHz	983.62	-51.28	-13	PASS
GSM1900	661	1000~3000MHz	2936.93	-40.47	-13	PASS
GSM1900	661	3000~18000MHz	5640.16	-49.31	-13	PASS
GSM1900	810	0.009~0.15MHz	0.01	-54.54	-43	PASS
GSM1900	810	0.15~30MHz	0.15	-64.35	-33	PASS
GSM1900	810	30~1000MHz	872.47	-51.33	-13	PASS
GSM1900	810	1000~3000MHz	2961.4	-40.25	-13	PASS
GSM1900	810	3000~18000MHz	3819.72	-41.59	-13	PASS
GPRS1900	512	0.009~0.15MHz	0.01	-57.16	-43	PASS
GPRS1900	512	0.15~30MHz	0.16	-63.84	-33	PASS
GPRS1900	512	30~1000MHz	892.74	-51.09	-13	PASS
GPRS1900	512	1000~3000MHz	2880.87	-40.38	-13	PASS
GPRS1900	512	3000~18000MHz	3700.23	-41.81	-13	PASS
GPRS1900	661	0.009~0.15MHz	0.01	-57.34	-43	PASS
GPRS1900	661	0.15~30MHz	0.16	-62.89	-33	PASS
GPRS1900	661	30~1000MHz	906.09	-51.28	-13	PASS
GPRS1900	661	1000~3000MHz	2949.67	-40.36	-13	PASS
GPRS1900	661	3000~18000MHz	5640.16	-48.26	-13	PASS
GPRS1900	810	0.009~0.15MHz	0.01	-57.44	-43	PASS
GPRS1900	810	0.15~30MHz	0.2	-63.87	-33	PASS
GPRS1900	810	30~1000MHz	991.13	-51.28	-13	PASS
GPRS1900	810	1000~3000MHz	2953.87	-40.35	-13	PASS
GPRS1900	810	3000~18000MHz	6561.63	-50.05	-13	PASS
EGPRS1900	512	0.009~0.15MHz	0.01	-56.5	-43	PASS
EGPRS1900	512	0.15~30MHz	0.16	-63.65	-33	PASS
EGPRS1900	512	30~1000MHz	909.29	-51.25	-13	PASS
EGPRS1900	512	1000~3000MHz	2893.07	-40.15	-13	PASS
EGPRS1900	512	3000~18000MHz	3700.23	-45.99	-13	PASS
EGPRS1900	661	0.009~0.15MHz	0.01	-54.89	-43	PASS
EGPRS1900	661	0.15~30MHz	0.15	-63.01	-33	PASS
EGPRS1900	661	30~1000MHz	749.12	-51.32	-13	PASS
EGPRS1900	661	1000~3000MHz	2911.93	-40.46	-13	PASS
EGPRS1900	661	3000~18000MHz	3760.22	-48.11	-13	PASS
EGPRS1900	810	0.009~0.15MHz	0.01	-55.66	-43	PASS

EGPRS1900	810	0.15~30MHz	0.21	-63.49	-33	PASS
EGPRS1900	810	30~1000MHz	928.01	-51.4	-13	PASS
EGPRS1900	810	1000~3000MHz	2972.07	-40.52	-13	PASS
EGPRS1900	810	3000~18000MHz	6556.13	-50.05	-13	PASS

Test Graphs

