

Appendix for GSM

CONTENTS

Appendix A: Effective (Isotropic) Radiated Power Output Data 3

 Test Result 3

Appendix B: Peak-to-Average Ratio(CCDF) 5

 Test Result 5

 Test Graphs 6

Appendix C: 26dB Bandwidth and Occupied Bandwidth 8

 Test Result 8

 Test Graphs 9

Appendix D: Band Edge 11

 Test Result 11

 Test Graphs 12

Appendix E: Conducted Spurious Emission 14

 Test Result 14

 Test Graphs 16

Appendix F: Frequency Stability 25

 Test Result 25

Appendix G: Modulation Characteristics 29

 Test Result 29

 Test Graphs 30

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	Up Slot Num	Power(dBm)	Limit(dBm)	Verdict
GPRS850	128	1	28.45	38.45	PASS
GPRS850	128	2	27.52	38.45	PASS
GPRS850	128	3	25.30	38.45	PASS
GPRS850	128	4	23.79	38.45	PASS
GPRS850	190	1	28.36	38.45	PASS
GPRS850	190	2	27.53	38.45	PASS
GPRS850	190	3	25.35	38.45	PASS
GPRS850	190	4	23.91	38.45	PASS
GPRS850	251	1	28.63	38.45	PASS
GPRS850	251	2	27.82	38.45	PASS
GPRS850	251	3	25.68	38.45	PASS
GPRS850	251	4	24.27	38.45	PASS
GPRS1900	512	1	29.19	33	PASS
GPRS1900	512	2	28.20	33	PASS
GPRS1900	512	3	26.23	33	PASS
GPRS1900	512	4	25.04	33	PASS
GPRS1900	661	1	29.09	33	PASS
GPRS1900	661	2	28.15	33	PASS
GPRS1900	661	3	26.21	33	PASS
GPRS1900	661	4	24.99	33	PASS
GPRS1900	810	1	29.32	33	PASS
GPRS1900	810	2	28.42	33	PASS
GPRS1900	810	3	26.47	33	PASS
GPRS1900	810	4	25.25	33	PASS

Band	Channel	Up Slot Num	Power(dBm)	Limit(dBm)	Verdict
EGPRS850	128	1	14.52	38.45	PASS
EGPRS850	128	2	13.30	38.45	PASS
EGPRS850	128	3	11.41	38.45	PASS
EGPRS850	128	4	10.42	38.45	PASS
EGPRS850	190	1	14.34	38.45	PASS
EGPRS850	190	2	13.24	38.45	PASS
EGPRS850	190	3	11.36	38.45	PASS
EGPRS850	190	4	10.38	38.45	PASS
EGPRS850	251	1	14.34	38.45	PASS

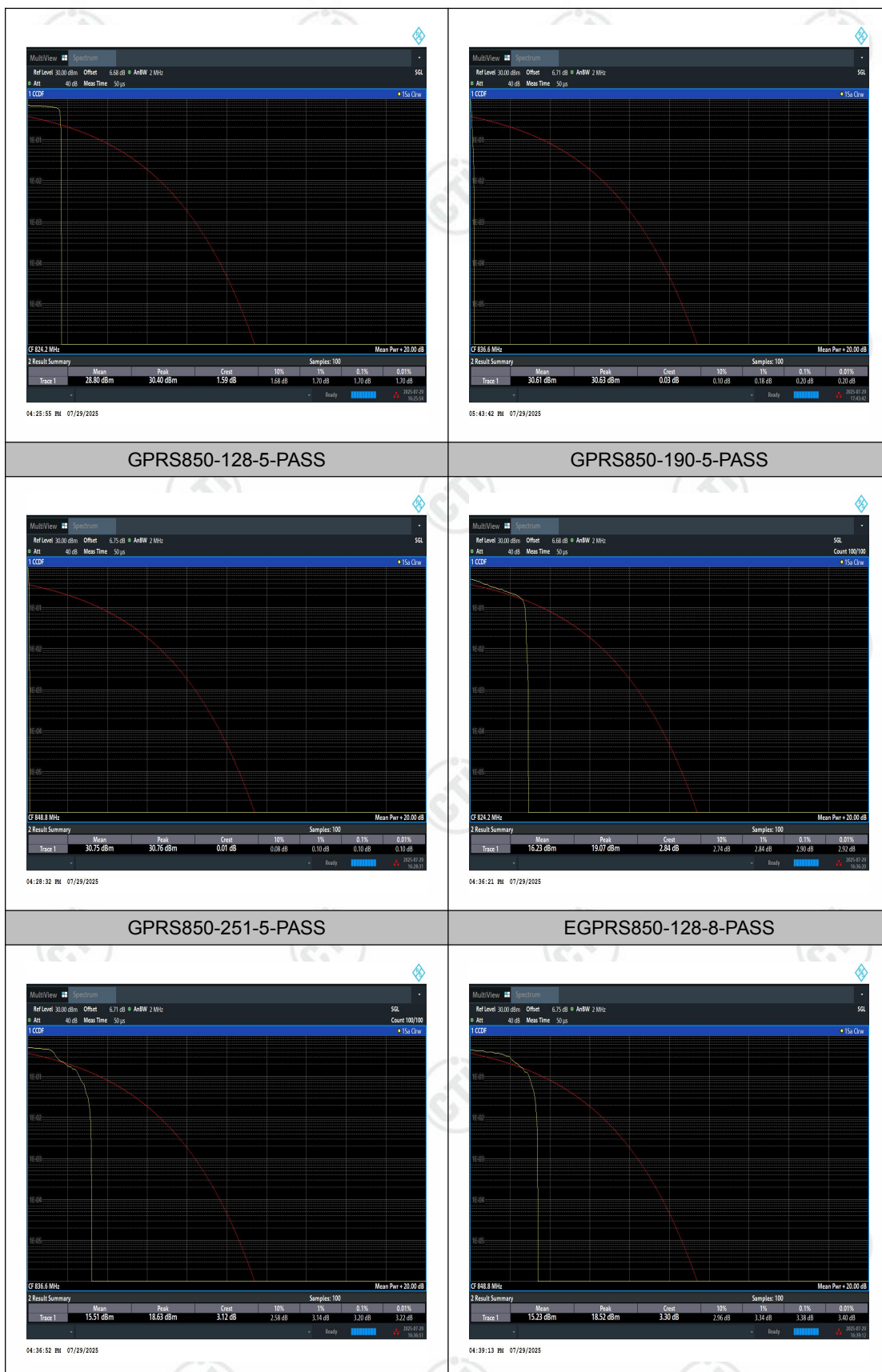
EGPRS850	251	2	13.29	38.45	PASS
EGPRS850	251	3	11.48	38.45	PASS
EGPRS850	251	4	10.52	38.45	PASS
EGPRS1900	512	1	22.07	33	PASS
EGPRS1900	512	2	21.12	33	PASS
EGPRS1900	512	3	19.19	33	PASS
EGPRS1900	512	4	18.25	33	PASS
EGPRS1900	661	1	21.76	33	PASS
EGPRS1900	661	2	20.87	33	PASS
EGPRS1900	661	3	19.00	33	PASS
EGPRS1900	661	4	17.83	33	PASS
EGPRS1900	810	1	21.52	33	PASS
EGPRS1900	810	2	20.60	33	PASS
EGPRS1900	810	3	18.73	33	PASS
EGPRS1900	810	4	17.79	33	PASS

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

Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GPRS850	128	1.70	13	PASS
GPRS850	190	0.20	13	PASS
GPRS850	251	0.10	13	PASS
EGPRS850	128	2.90	13	PASS
EGPRS850	190	3.20	13	PASS
EGPRS850	251	3.38	13	PASS
GPRS1900	512	0.10	13	PASS
GPRS1900	661	0.10	13	PASS
GPRS1900	810	0.00	13	PASS
EGPRS1900	512	3.30	13	PASS
EGPRS1900	661	2.82	13	PASS
EGPRS1900	810	3.10	13	PASS

Test Graphs



EGPRS850-190-8-PASS



04:47:03 PM 07/29/2025

EGPRS850-251-8-PASS



04:47:26 PM 07/29/2025

GPRS1900-512-0-PASS



04:47:47 PM 07/29/2025

GPRS1900-661-0-PASS



04:56:36 PM 07/29/2025

GPRS1900-810-0-PASS



04:57:08 PM 07/29/2025

EGPRS1900-512-2-PASS



05:44:59 PM 07/29/2025

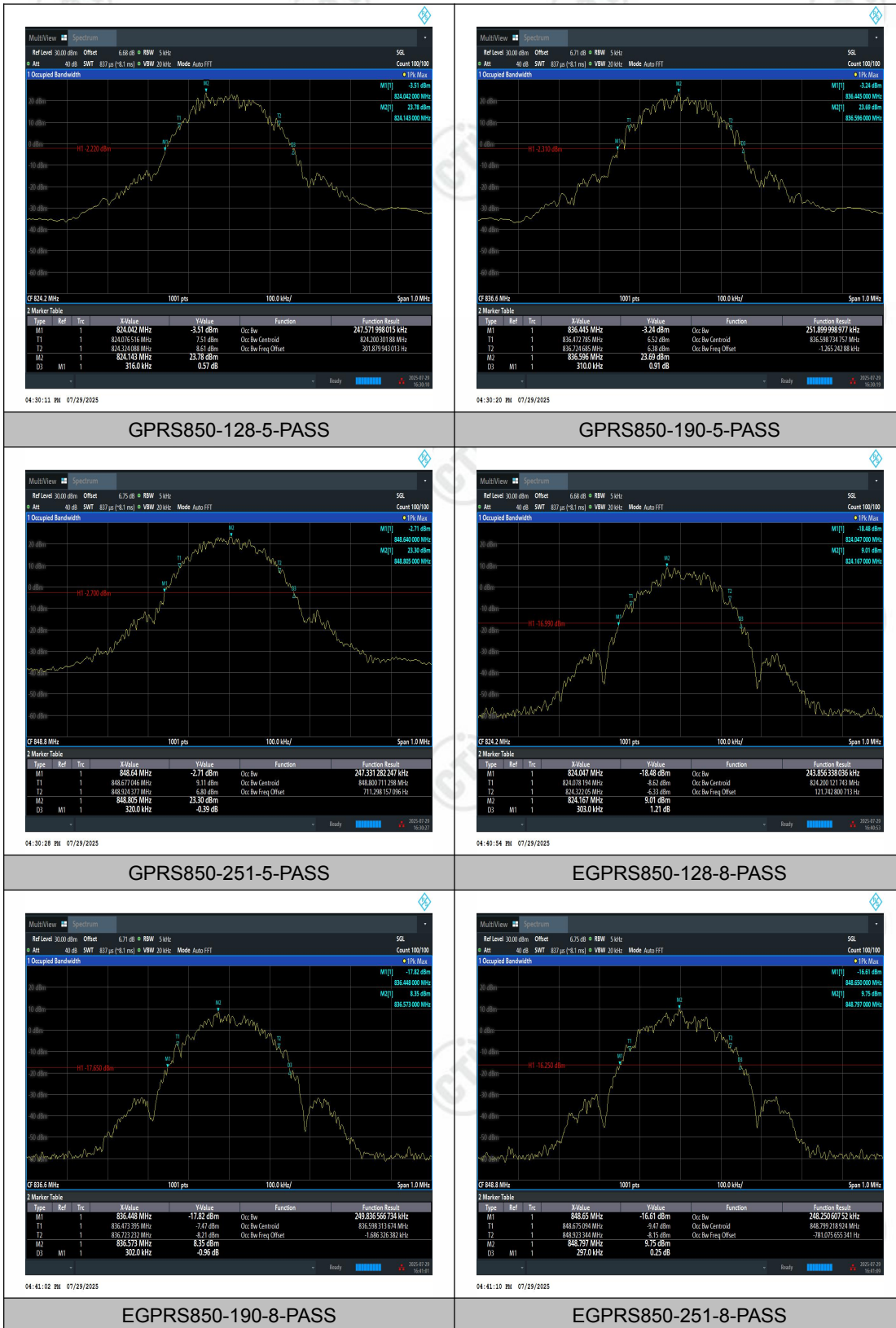
EGPRS1900-661-2-PASS

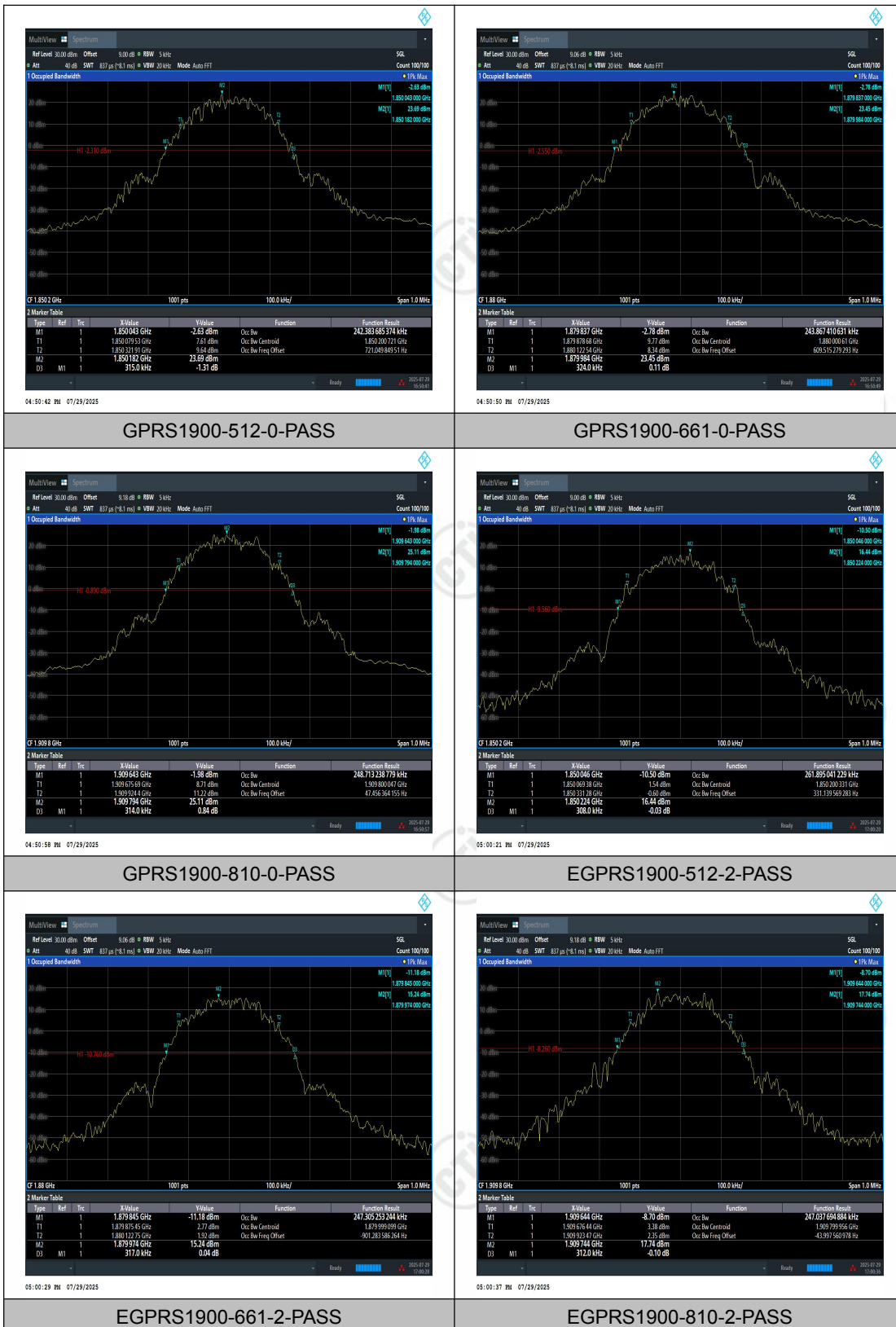
EGPRS1900-810-2-PASS

Appendix C: 26dB Bandwidth and Occupied Bandwidth**Test Result**

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GPRS850	128	0.248	0.32	---	PASS
GPRS850	190	0.252	0.31	---	PASS
GPRS850	251	0.247	0.32	---	PASS
EGPRS850	128	0.244	0.30	---	PASS
EGPRS850	190	0.25	0.30	---	PASS
EGPRS850	251	0.248	0.30	---	PASS
GPRS1900	512	0.242	0.31	---	PASS
GPRS1900	661	0.244	0.32	---	PASS
GPRS1900	810	0.249	0.31	---	PASS
EGPRS1900	512	0.262	0.31	---	PASS
EGPRS1900	661	0.247	0.32	---	PASS
EGPRS1900	810	0.247	0.31	---	PASS

Test Graphs



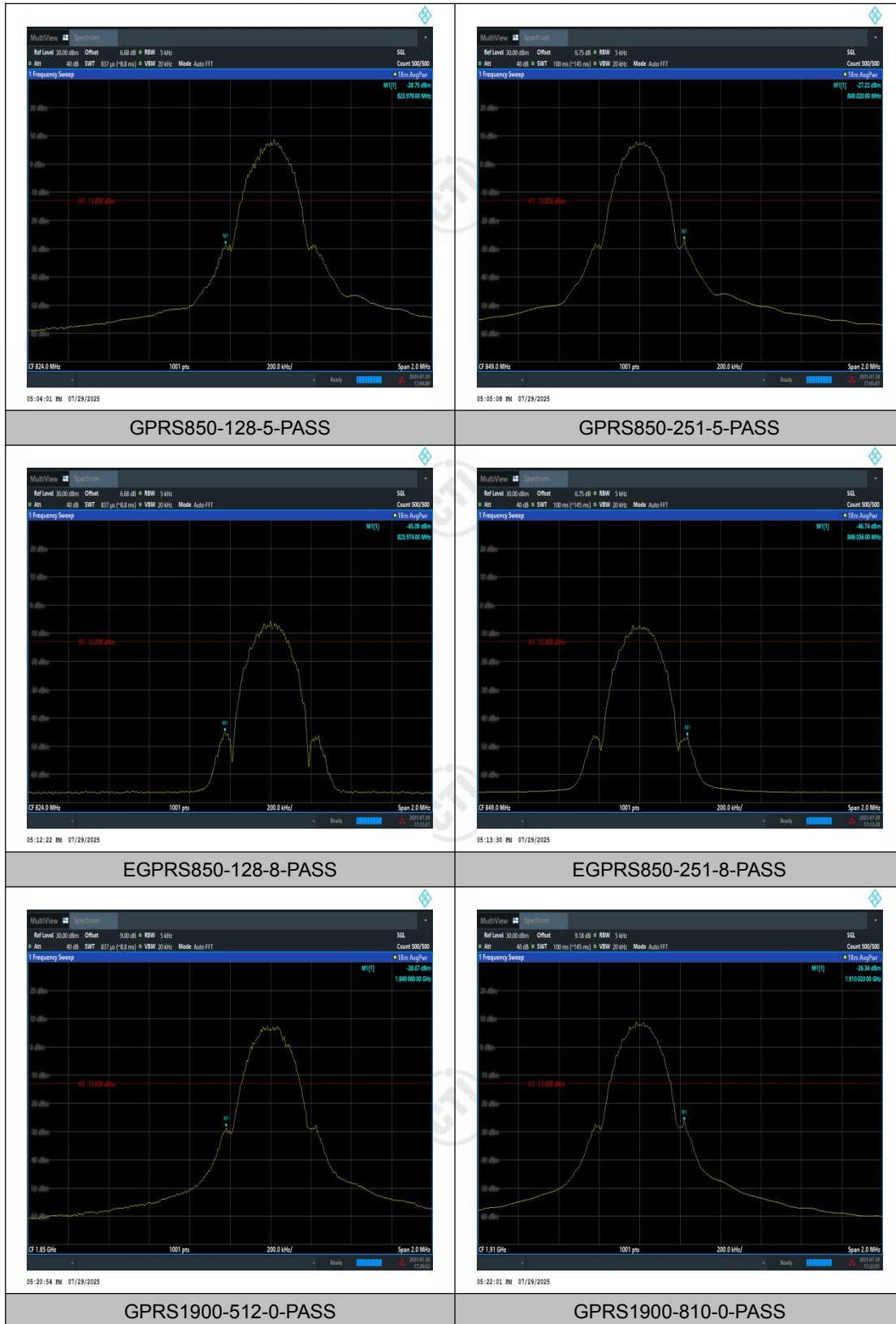


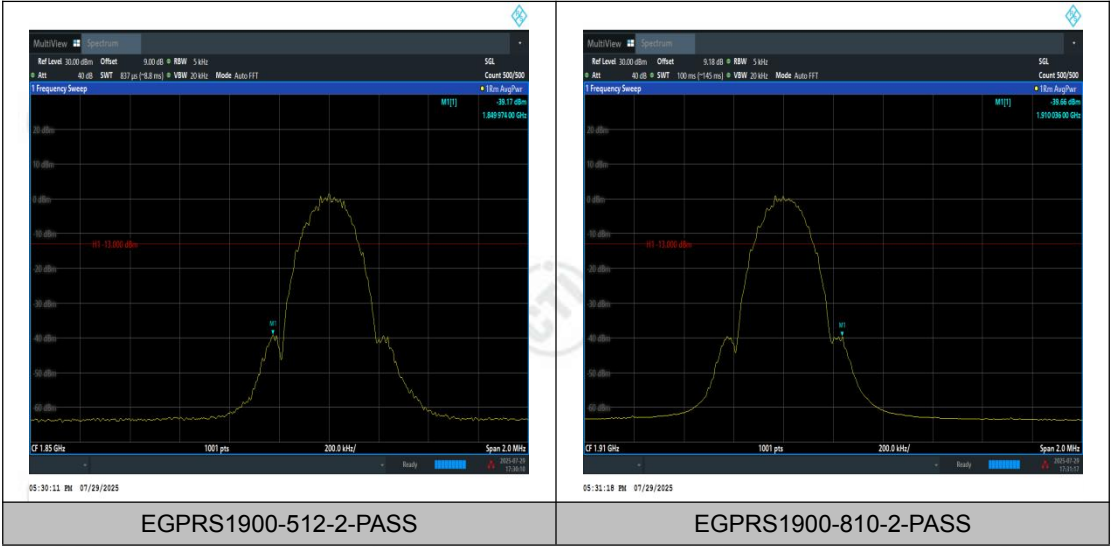
Appendix D: Band Edge

Test Result

Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GPRS850	128	823.98	-28.75	-13	PASS
GPRS850	251	849.02	-27.22	-13	PASS
EGPRS850	128	823.97	-45.09	-13	PASS
EGPRS850	251	849.04	-46.74	-13	PASS
GPRS1900	512	1849.98	-28.67	-13	PASS
GPRS1900	810	1910.02	-26.34	-13	PASS
EGPRS1900	512	1849.97	-39.17	-13	PASS
EGPRS1900	810	1910.04	-39.66	-13	PASS

Test Graphs





Appendix E: Conducted Spurious Emission

Test Result

Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GPRS850	128	0.009~0.15MHz	0.01	-69.72	-33	PASS
GPRS850	128	0.15~30MHz	0.39	-60.39	-23	PASS
GPRS850	128	30~1000MHz	32.72	-49.19	-13	PASS
GPRS850	128	1000~10000MHz	8747.09	-43.26	-13	PASS
GPRS850	190	0.009~0.15MHz	0.01	-69.67	-33	PASS
GPRS850	190	0.15~30MHz	0.39	-60.41	-23	PASS
GPRS850	190	30~1000MHz	35.37	-49.15	-13	PASS
GPRS850	190	1000~10000MHz	8751.59	-43.19	-13	PASS
GPRS850	251	0.009~0.15MHz	0.01	-68.74	-33	PASS
GPRS850	251	0.15~30MHz	0.39	-60.39	-23	PASS
GPRS850	251	30~1000MHz	32.43	-49.13	-13	PASS
GPRS850	251	1000~10000MHz	1697.63	-41.05	-13	PASS
EGPRS850	128	0.009~0.15MHz	0.13	-78.04	-33	PASS
EGPRS850	128	0.15~30MHz	0.39	-60.38	-23	PASS
EGPRS850	128	30~1000MHz	35.88	-49.21	-13	PASS
EGPRS850	128	1000~10000MHz	8601.9	-43.2	-13	PASS
EGPRS850	190	0.009~0.15MHz	0.13	-78.45	-33	PASS
EGPRS850	190	0.15~30MHz	0.39	-60.39	-23	PASS
EGPRS850	190	30~1000MHz	34.72	-49.29	-13	PASS
EGPRS850	190	1000~10000MHz	8814.29	-43.41	-13	PASS
EGPRS850	251	0.009~0.15MHz	0.13	-78.67	-33	PASS
EGPRS850	251	0.15~30MHz	0.39	-60.41	-23	PASS
EGPRS850	251	30~1000MHz	33.94	-49.14	-13	PASS
EGPRS850	251	1000~10000MHz	8832.89	-43.27	-13	PASS
GPRS1900	512	0.009~0.15MHz	0.01	-75.64	-43	PASS
GPRS1900	512	0.15~30MHz	0.39	-60.41	-33	PASS
GPRS1900	512	30~1000MHz	35.97	-44.17	-13	PASS
GPRS1900	512	1000~3000MHz	2985.67	-35.36	-13	PASS
GPRS1900	512	3000~18000MHz	8794.06	-39.93	-13	PASS
GPRS1900	661	0.009~0.15MHz	0.01	-74.69	-43	PASS
GPRS1900	661	0.15~30MHz	0.39	-60.38	-33	PASS
GPRS1900	661	30~1000MHz	31.41	-44.08	-13	PASS
GPRS1900	661	1000~3000MHz	2997.13	-35.28	-13	PASS
GPRS1900	661	3000~18000MHz	8733.06	-39.72	-13	PASS
GPRS1900	810	0.009~0.15MHz	0.01	-73.43	-43	PASS

GPRS1900	810	0.15~30MHz	0.39	-60.44	-33	PASS
GPRS1900	810	30~1000MHz	33.83	-44.16	-13	PASS
GPRS1900	810	1000~3000MHz	2997.6	-35.32	-13	PASS
GPRS1900	810	3000~18000MHz	8643.56	-39.76	-13	PASS
EGPRS1900	512	0.009~0.15MHz	0.13	-78.25	-43	PASS
EGPRS1900	512	0.15~30MHz	0.39	-60.38	-33	PASS
EGPRS1900	512	30~1000MHz	32.93	-44.09	-13	PASS
EGPRS1900	512	1000~3000MHz	2986.8	-35.3	-13	PASS
EGPRS1900	512	3000~18000MHz	8813.56	-39.88	-13	PASS
EGPRS1900	661	0.009~0.15MHz	0.13	-78.37	-43	PASS
EGPRS1900	661	0.15~30MHz	0.39	-60.4	-33	PASS
EGPRS1900	661	30~1000MHz	35.61	-44.3	-13	PASS
EGPRS1900	661	1000~3000MHz	2994.47	-35.33	-13	PASS
EGPRS1900	661	3000~18000MHz	8598.06	-39.7	-13	PASS
EGPRS1900	810	0.009~0.15MHz	0.13	-78.46	-43	PASS
EGPRS1900	810	0.15~30MHz	0.39	-60.43	-33	PASS
EGPRS1900	810	30~1000MHz	35.38	-44.08	-13	PASS
EGPRS1900	810	1000~3000MHz	2999.33	-35.36	-13	PASS
EGPRS1900	810	3000~18000MHz	8679.06	-39.78	-13	PASS