

Appendix A: Conducted Power Output Data

Test Result

Band	Channel	Up Slot Num	Power(dBm)
GPRS850	128	1	33.86
GPRS850	190	1	34.27
GPRS850	251	1	34.06
GPRS850	128	2	31.24
GPRS850	190	2	31.49
GPRS850	251	2	31.75
GPRS850	128	3	29.31
GPRS850	190	3	29.64
GPRS850	251	3	29.61
GPRS850	128	4	27.90
GPRS850	190	4	28.22
GPRS850	251	4	28.24
GPRS1900	512	1	30.54
GPRS1900	661	1	30.75
GPRS1900	810	1	30.74
GPRS1900	512	2	28.11
GPRS1900	661	2	28.13
GPRS1900	810	2	28.10
GPRS1900	512	3	26.40
GPRS1900	661	3	26.38
GPRS1900	810	3	26.50
GPRS1900	512	4	25.13
GPRS1900	661	4	25.22
GPRS1900	810	4	25.23

Band	Channel	Up Slot Num	Power(dBm)
EGPRS850	128	1	28.54
EGPRS850	190	1	28.83
EGPRS850	251	1	28.95
EGPRS850	128	2	26.05
EGPRS850	190	2	26.25
EGPRS850	251	2	26.37
EGPRS850	128	3	24.13
EGPRS850	190	3	24.32
EGPRS850	251	3	24.52
EGPRS850	128	4	22.82
EGPRS850	190	4	23.03

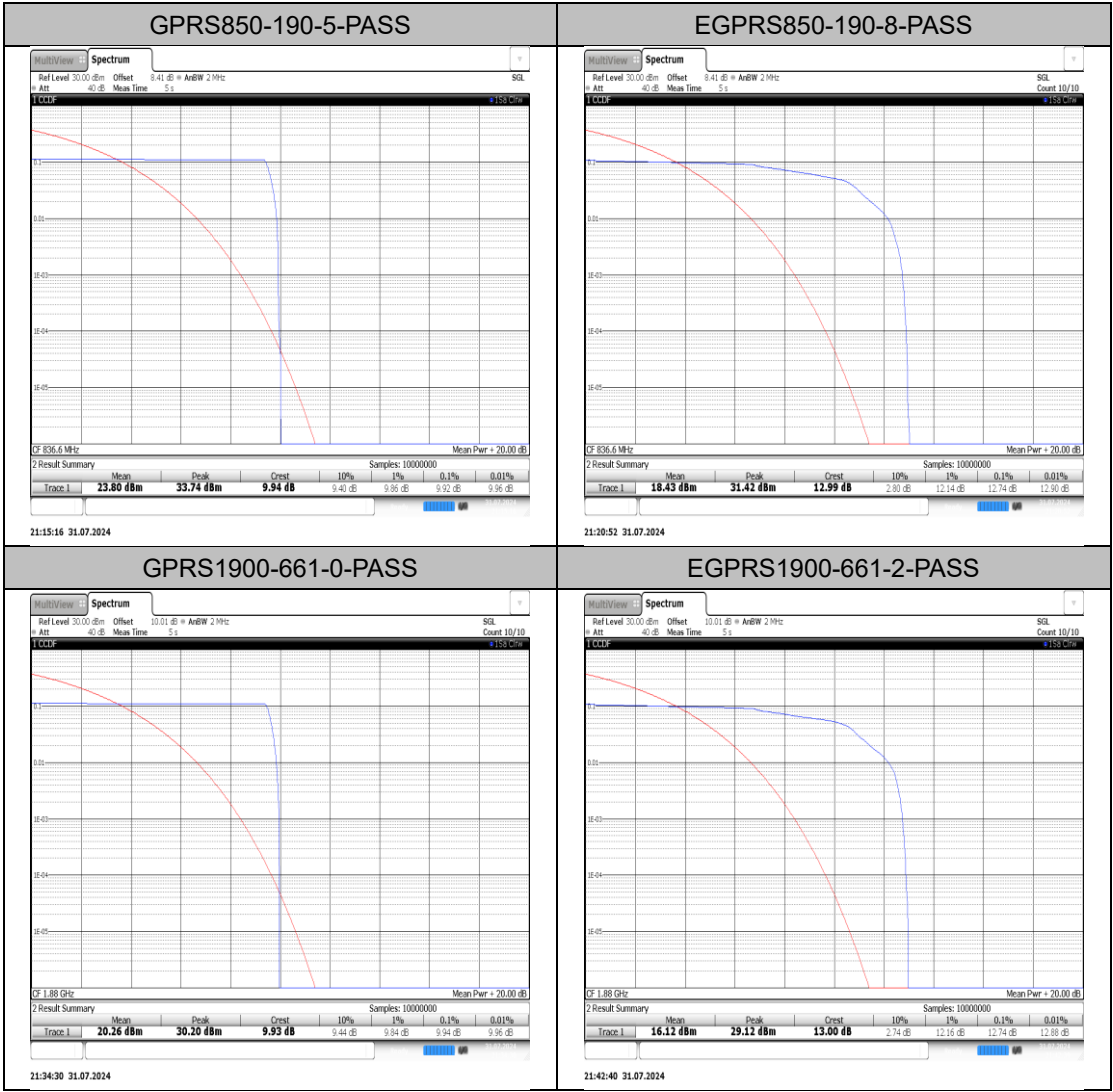
EGPRS850	251	4	23.18
EGPRS1900	512	1	26.52
EGPRS1900	661	1	26.56
EGPRS1900	810	1	26.45
EGPRS1900	512	2	23.87
EGPRS1900	661	2	23.95
EGPRS1900	810	2	23.83
EGPRS1900	512	3	22.45
EGPRS1900	661	3	22.45
EGPRS1900	810	3	22.34
EGPRS1900	512	4	21.26
EGPRS1900	661	4	21.39
EGPRS1900	810	4	21.37

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

Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GPRS850	190	9.92	13	PASS
EGPRS850	190	12.74	13	PASS
GPRS1900	661	9.94	13	PASS
EGPRS1900	661	12.74	13	PASS

Test Graphs

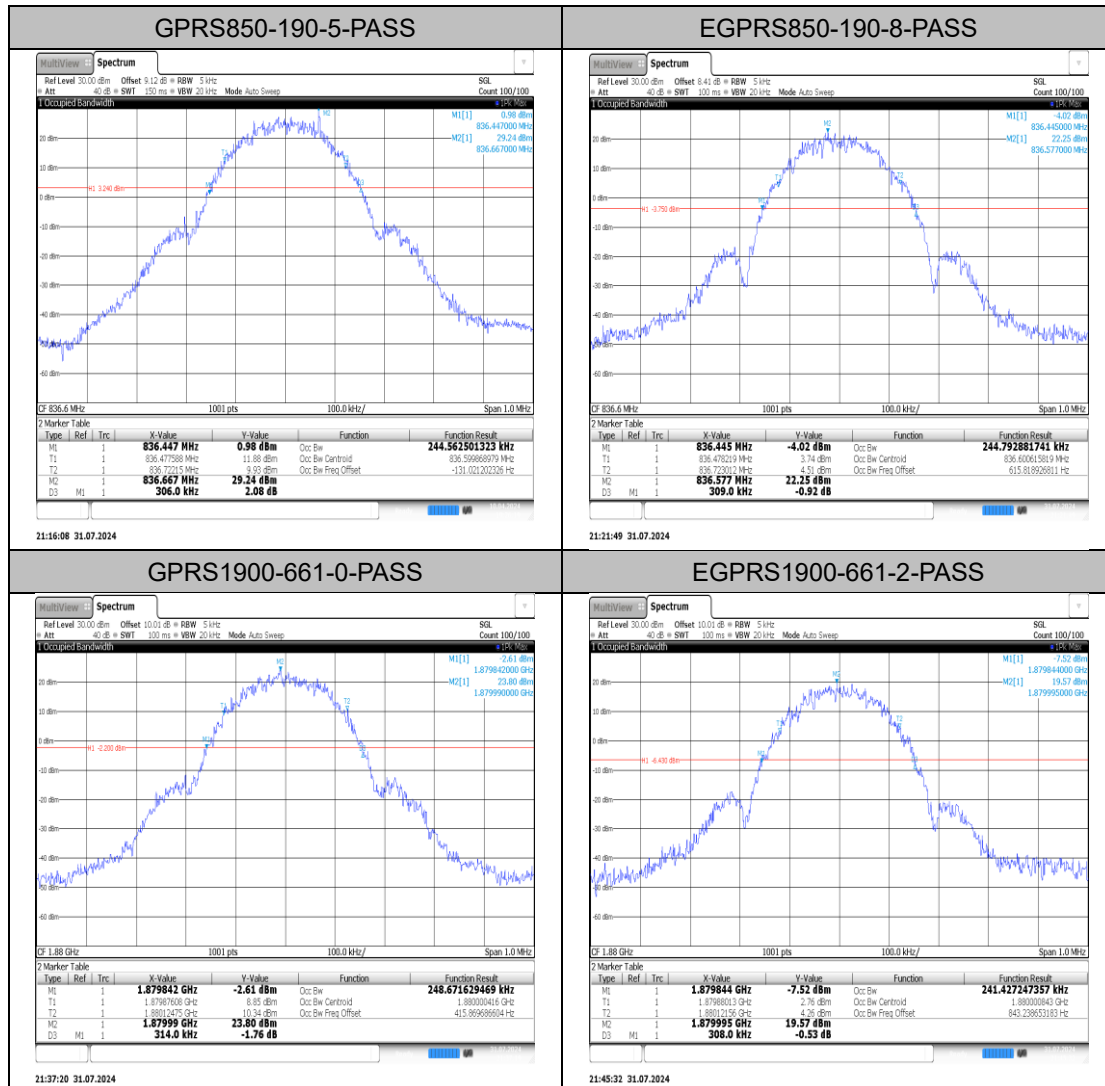


Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GPRS850	190	0.245	0.31	---	PASS
EGPRS850	190	0.245	0.31	---	PASS
GPRS1900	661	0.249	0.31	---	PASS
EGPRS1900	661	0.241	0.31	---	PASS

Test Graphs

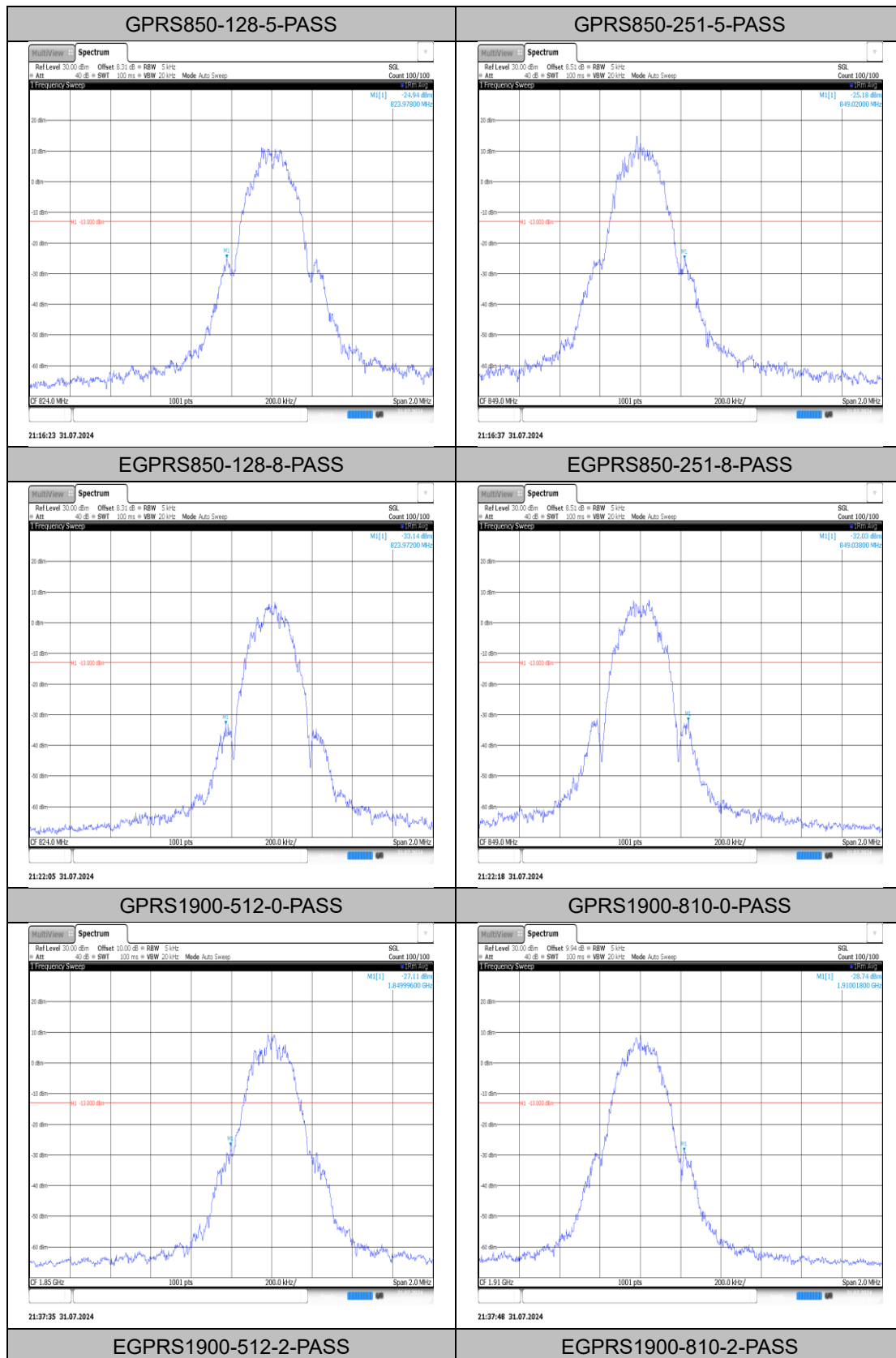


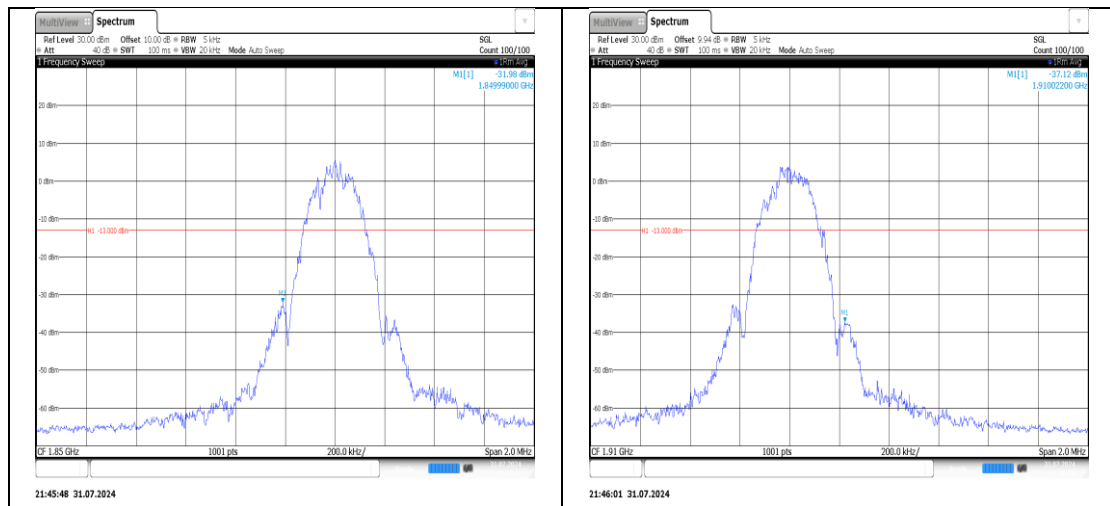
Appendix D: Band Edge

Test Result

Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GPRS850	128	823.98	-24.94	-13	PASS
GPRS850	251	849.02	-25.18	-13	PASS
EGPRS850	128	823.97	-33.14	-13	PASS
EGPRS850	251	849.04	-32.03	-13	PASS
GPRS1900	512	1850.00	-27.11	-13	PASS
GPRS1900	810	1910.02	-28.74	-13	PASS
EGPRS1900	512	1849.99	-31.98	-13	PASS
EGPRS1900	810	1910.02	-37.12	-13	PASS

Test Graphs



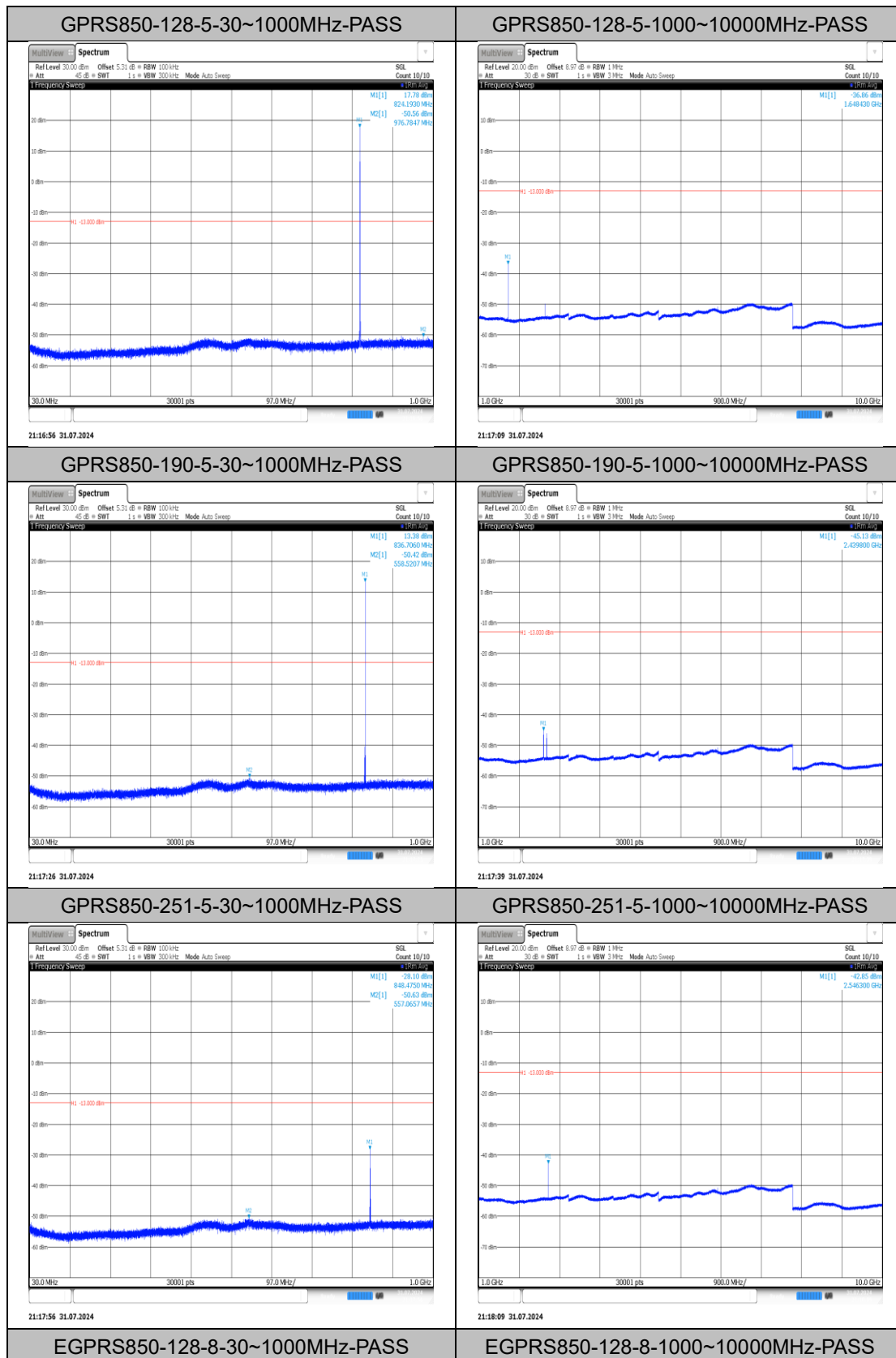


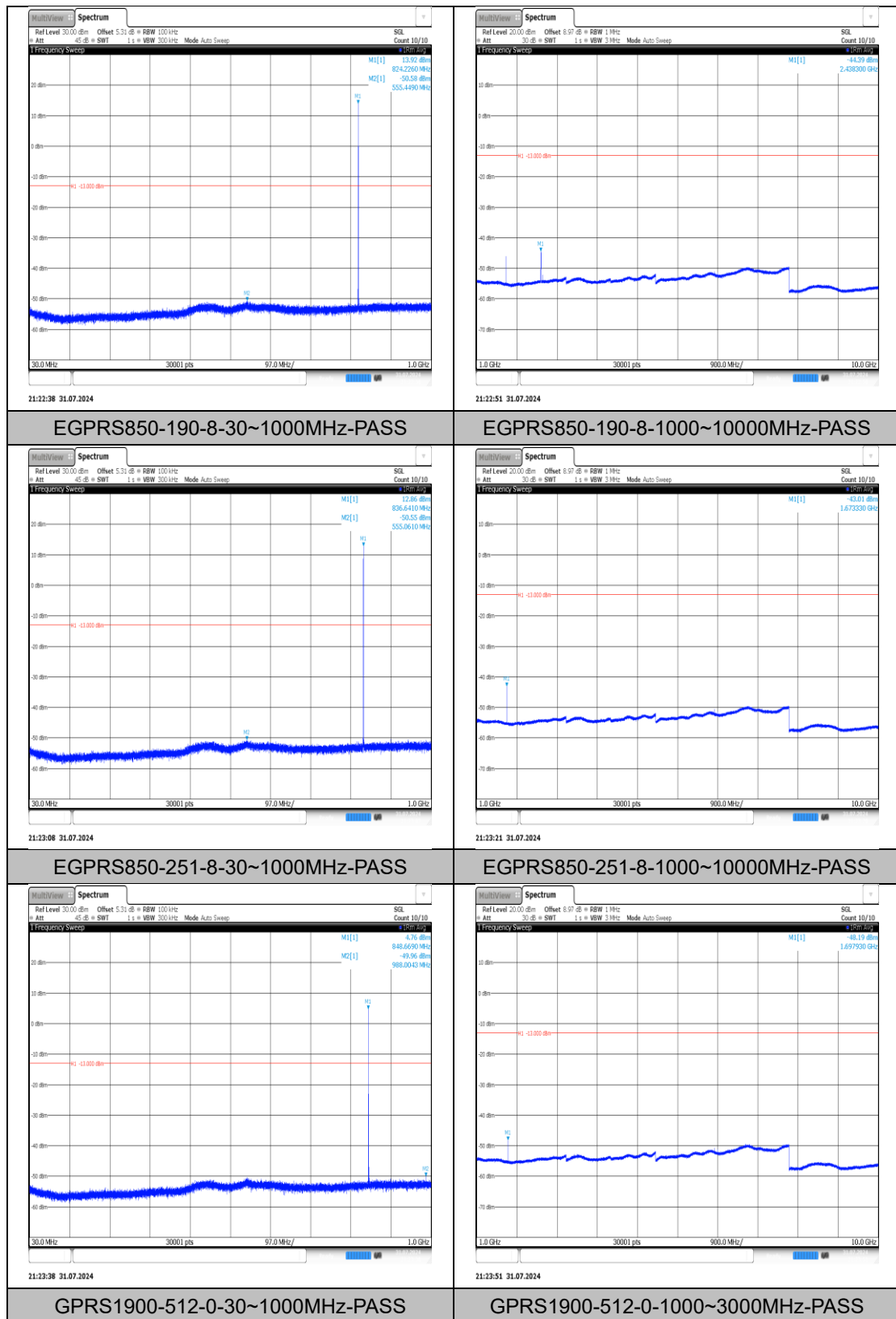
Appendix E: Conducted Spurious Emission

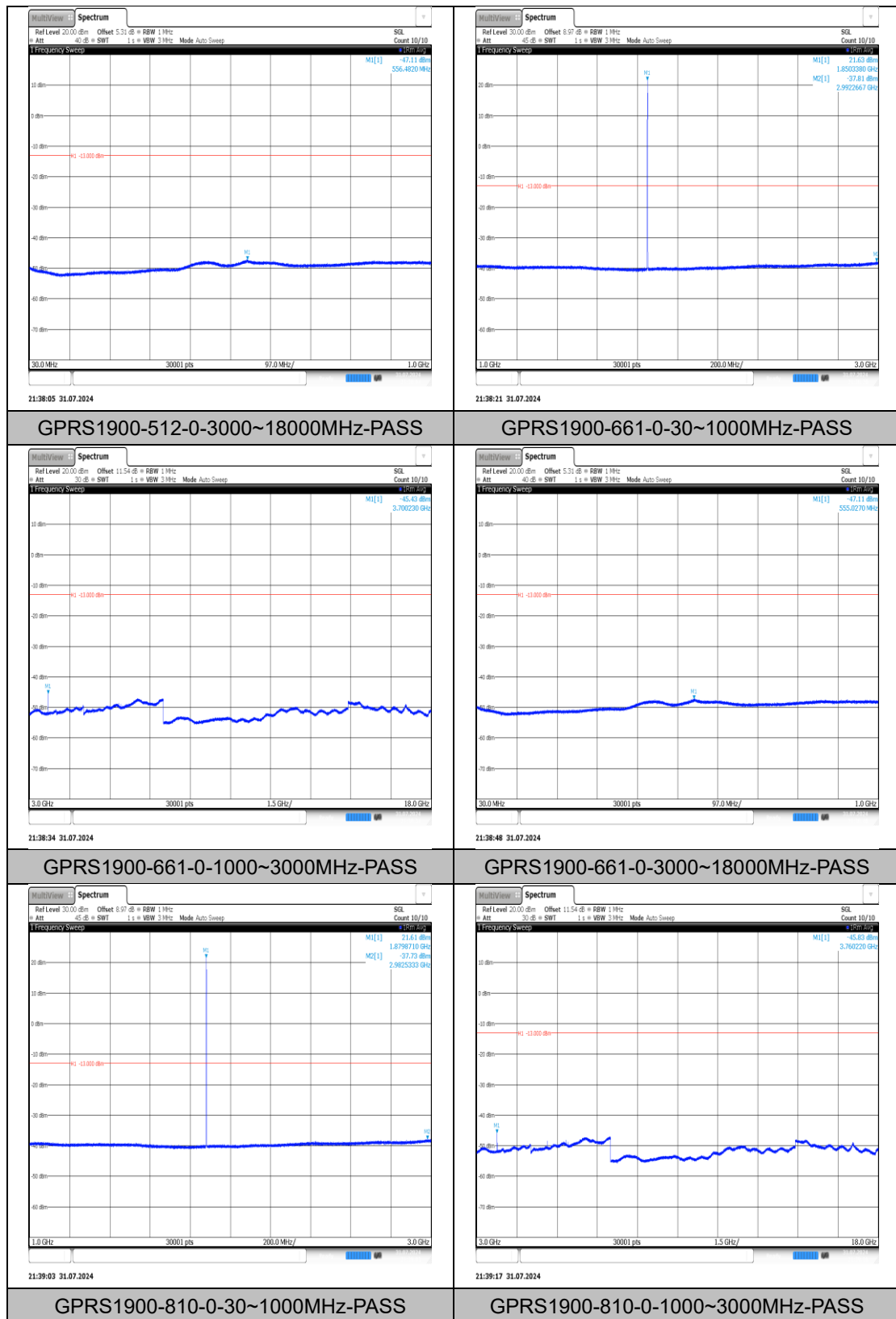
Test Result

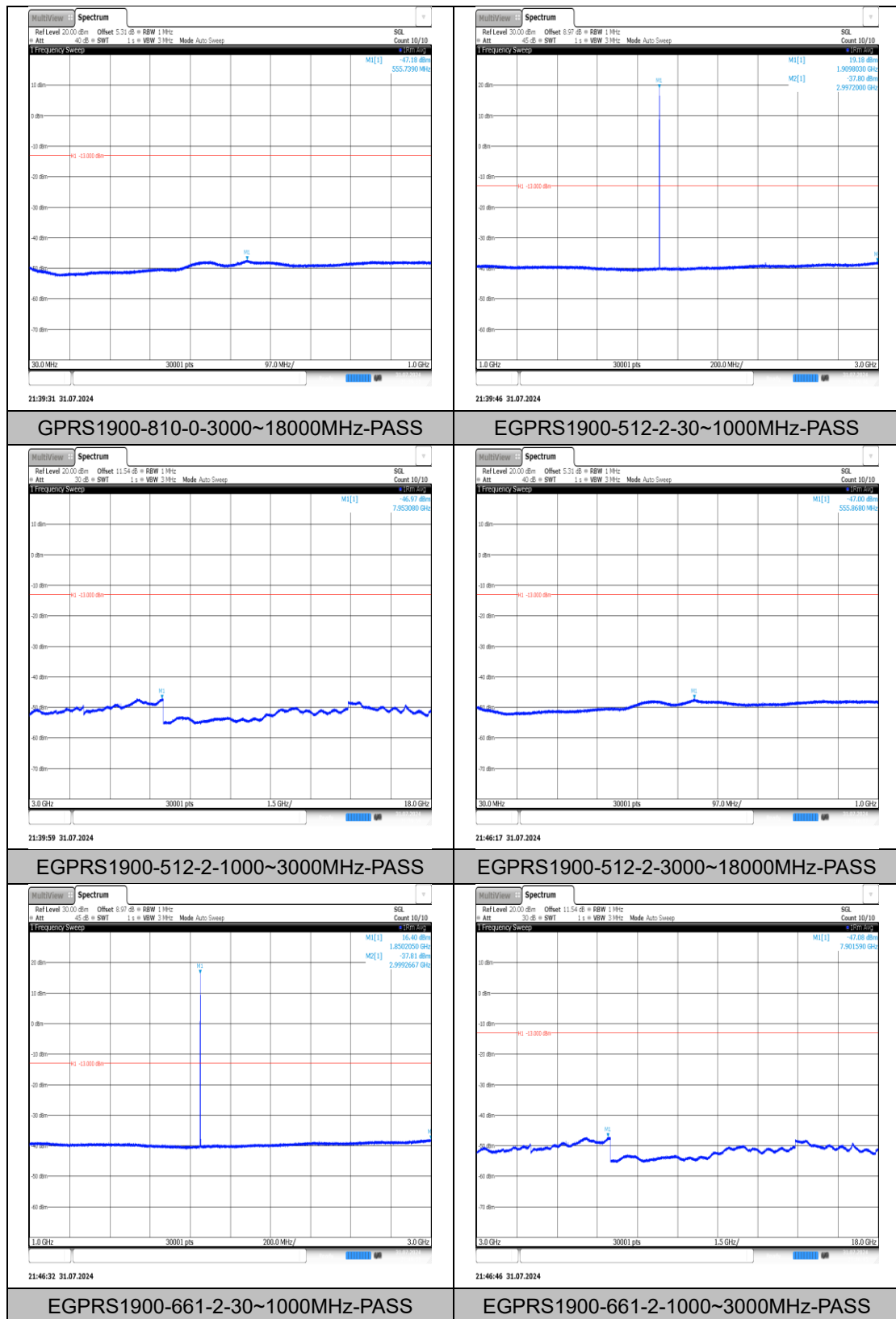
Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GPRS850	128	30~1000MHz	976.78	-50.56	-13	PASS
GPRS850	128	1000~10000MHz	1648.43	-36.86	-13	PASS
GPRS850	190	30~1000MHz	558.52	-50.42	-13	PASS
GPRS850	190	1000~10000MHz	2439.8	-45.13	-13	PASS
GPRS850	251	30~1000MHz	557.07	-50.63	-13	PASS
GPRS850	251	1000~10000MHz	2546.3	-42.85	-13	PASS
EGPRS850	128	30~1000MHz	555.45	-50.58	-13	PASS
EGPRS850	128	1000~10000MHz	2438.3	-44.39	-13	PASS
EGPRS850	190	30~1000MHz	555.06	-50.55	-13	PASS
EGPRS850	190	1000~10000MHz	1673.33	-43.01	-13	PASS
EGPRS850	251	30~1000MHz	988	-49.96	-13	PASS
EGPRS850	251	1000~10000MHz	1697.93	-48.19	-13	PASS
GPRS1900	512	30~1000MHz	556.48	-47.11	-13	PASS
GPRS1900	512	1000~3000MHz	2992.27	-37.81	-13	PASS
GPRS1900	512	3000~18000MHz	3700.23	-45.43	-13	PASS
GPRS1900	661	30~1000MHz	555.03	-47.11	-13	PASS
GPRS1900	661	1000~3000MHz	2982.53	-37.73	-13	PASS
GPRS1900	661	3000~18000MHz	3760.22	-45.83	-13	PASS
GPRS1900	810	30~1000MHz	555.74	-47.18	-13	PASS
GPRS1900	810	1000~3000MHz	2997.2	-37.8	-13	PASS
GPRS1900	810	3000~18000MHz	7953.08	-46.97	-13	PASS
EGPRS1900	512	30~1000MHz	555.87	-47	-13	PASS
EGPRS1900	512	1000~3000MHz	2999.27	-37.81	-13	PASS
EGPRS1900	512	3000~18000MHz	7901.59	-47.08	-13	PASS
EGPRS1900	661	30~1000MHz	558.71	-47.08	-13	PASS
EGPRS1900	661	1000~3000MHz	2991.13	-37.73	-13	PASS
EGPRS1900	661	3000~18000MHz	7975.58	-47	-13	PASS
EGPRS1900	810	30~1000MHz	555.55	-46.98	-13	PASS
EGPRS1900	810	1000~3000MHz	2991.33	-37.73	-13	PASS
EGPRS1900	810	3000~18000MHz	7093.11	-47.14	-13	PASS

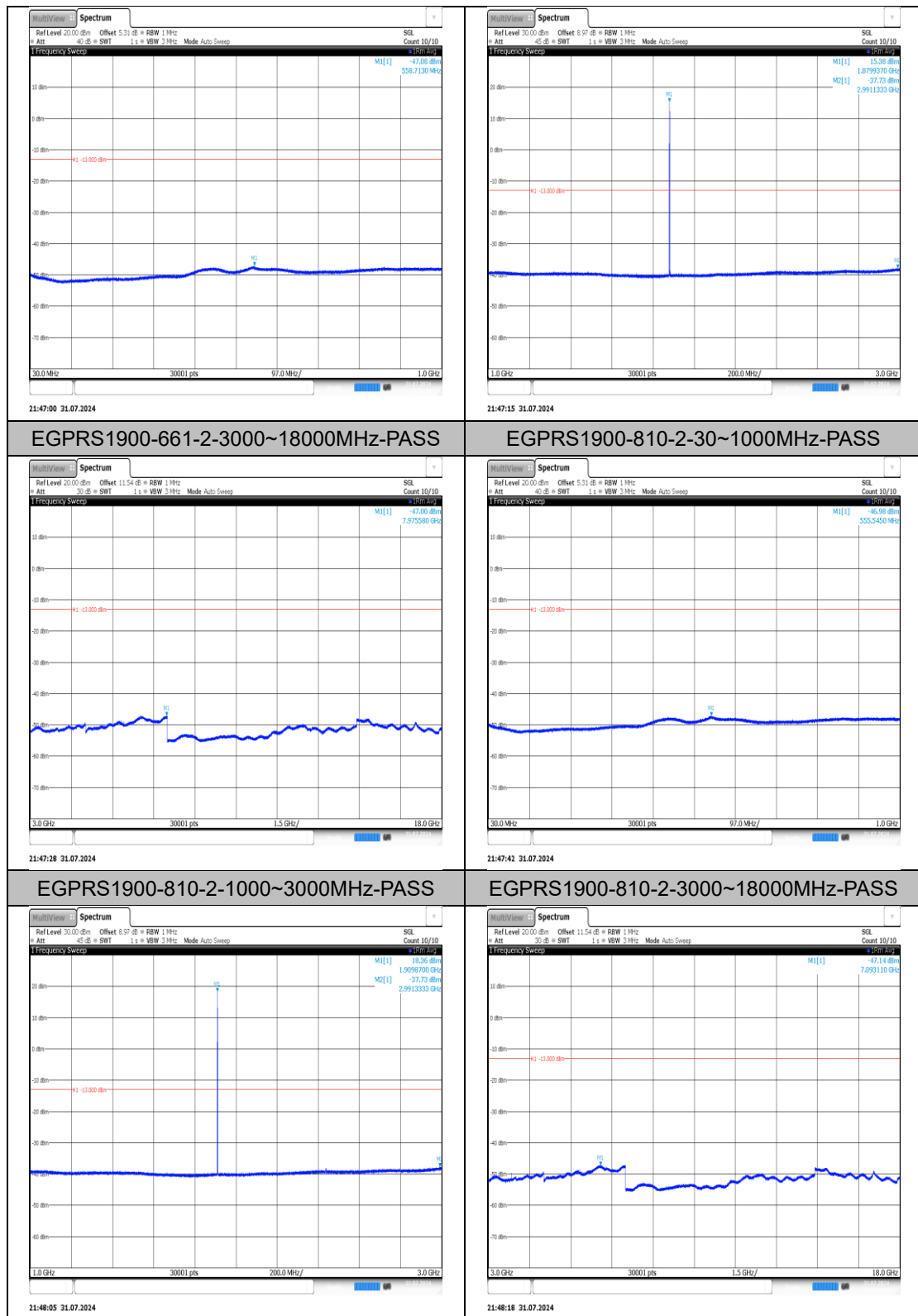
Test Graphs











Appendix F: Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GPRS850	190	VN	NT	19.40	0.023189	±2.5	PASS
GPRS850	190	VL	NT	19.47	0.023273	±2.5	PASS
GPRS850	190	VH	NT	19.98	0.023882	±2.5	PASS
EGPRS850	190	VN	NT	23.67	0.028293	±2.5	PASS
EGPRS850	190	VL	NT	24.34	0.029094	±2.5	PASS
EGPRS850	190	VH	NT	23.15	0.027672	±2.5	PASS
GPRS1900	661	VN	NT	350.00	0.186170	±2.5	PASS
GPRS1900	661	VL	NT	-850.00	-0.452128	±2.5	PASS
GPRS1900	661	VH	NT	-850.00	-0.452128	±2.5	PASS
EGPRS1900	661	VN	NT	200.00	0.106383	±2.5	PASS
EGPRS1900	661	VL	NT	-50.00	-0.026596	±2.5	PASS
EGPRS1900	661	VH	NT	650.00	0.345745	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GPRS850	190	NV	-30	21.99	0.026285	±2.5	PASS
GPRS850	190	NV	-20	20.86	0.024934	±2.5	PASS
GPRS850	190	NV	-10	20.50	0.024504	±2.5	PASS
GPRS850	190	NV	0	19.79	0.023655	±2.5	PASS
GPRS850	190	NV	10	21.15	0.025281	±2.5	PASS
GPRS850	190	NV	20	20.15	0.024086	±2.5	PASS
GPRS850	190	NV	30	21.18	0.025317	±2.5	PASS
GPRS850	190	NV	40	20.79	0.024851	±2.5	PASS
GPRS850	190	NV	50	19.24	0.022998	±2.5	PASS
EGPRS850	190	NV	-30	21.05	0.025161	±2.5	PASS
EGPRS850	190	NV	-20	23.54	0.028138	±2.5	PASS
EGPRS850	190	NV	-10	23.54	0.028138	±2.5	PASS
EGPRS850	190	NV	0	22.63	0.027050	±2.5	PASS
EGPRS850	190	NV	10	22.92	0.027397	±2.5	PASS
EGPRS850	190	NV	20	20.89	0.024970	±2.5	PASS
EGPRS850	190	NV	30	22.50	0.026895	±2.5	PASS
EGPRS850	190	NV	40	23.89	0.028556	±2.5	PASS
EGPRS850	190	NV	50	20.76	0.024815	±2.5	PASS

GPRS1900	661	NV	-30	-1150.00	-0.611702	±2.5	PASS
GPRS1900	661	NV	-20	500.00	0.265957	±2.5	PASS
GPRS1900	661	NV	-10	650.00	0.345745	±2.5	PASS
GPRS1900	661	NV	0	-600.00	-0.319149	±2.5	PASS
GPRS1900	661	NV	10	1100.00	0.585106	±2.5	PASS
GPRS1900	661	NV	20	650.00	0.345745	±2.5	PASS
GPRS1900	661	NV	30	1000.00	0.531915	±2.5	PASS
GPRS1900	661	NV	40	150.00	0.079787	±2.5	PASS
GPRS1900	661	NV	50	-350.00	-0.186170	±2.5	PASS
EGPRS1900	661	NV	-30	50.00	0.026596	±2.5	PASS
EGPRS1900	661	NV	-20	-750.00	-0.398936	±2.5	PASS
EGPRS1900	661	NV	-10	400.00	0.212766	±2.5	PASS
EGPRS1900	661	NV	0	750.00	0.398936	±2.5	PASS
EGPRS1900	661	NV	10	700.00	0.372340	±2.5	PASS
EGPRS1900	661	NV	20	1350.00	0.718085	±2.5	PASS
EGPRS1900	661	NV	30	950.00	0.505319	±2.5	PASS
EGPRS1900	661	NV	40	-750.00	-0.398936	±2.5	PASS
EGPRS1900	661	NV	50	650.00	0.345745	±2.5	PASS