

Appendix for GSM900/1800

Product Name: Smart Phone

Model No: X62

Appendix A: Average Power Output Data

Test Result

Band	Channel	Power(dBm)	Verdict
GSM850	128	32.32	PASS
GSM850	190	32.20	PASS
GSM850	251	32.13	PASS
GSM1900	512	28.21	PASS
GSM1900	661	27.91	PASS
GSM1900	810	27.29	PASS

Band	Channel	Slot	Power(dBm)	Verdict
GPRS850	128	1	32.37	PASS
GPRS850	128	2	31.70	PASS
GPRS850	128	3	30.09	PASS
GPRS850	128	4	28.91	PASS
GPRS850	190	1	32.19	PASS
GPRS850	190	2	31.53	PASS
GPRS850	190	3	29.88	PASS
GPRS850	190	4	28.64	PASS
GPRS850	251	1	32.10	PASS
GPRS850	251	2	31.42	PASS
GPRS850	251	3	29.68	PASS
GPRS850	251	4	28.43	PASS
GPRS1900	512	1	28.25	PASS
GPRS1900	512	2	25.26	PASS
GPRS1900	512	3	23.42	PASS
GPRS1900	512	4	21.96	PASS
GPRS1900	661	1	27.94	PASS
GPRS1900	661	2	24.94	PASS
GPRS1900	661	3	23.19	PASS
GPRS1900	661	4	21.79	PASS
GPRS1900	810	1	27.32	PASS
GPRS1900	810	2	24.32	PASS
GPRS1900	810	3	22.55	PASS
GPRS1900	810	4	21.19	PASS

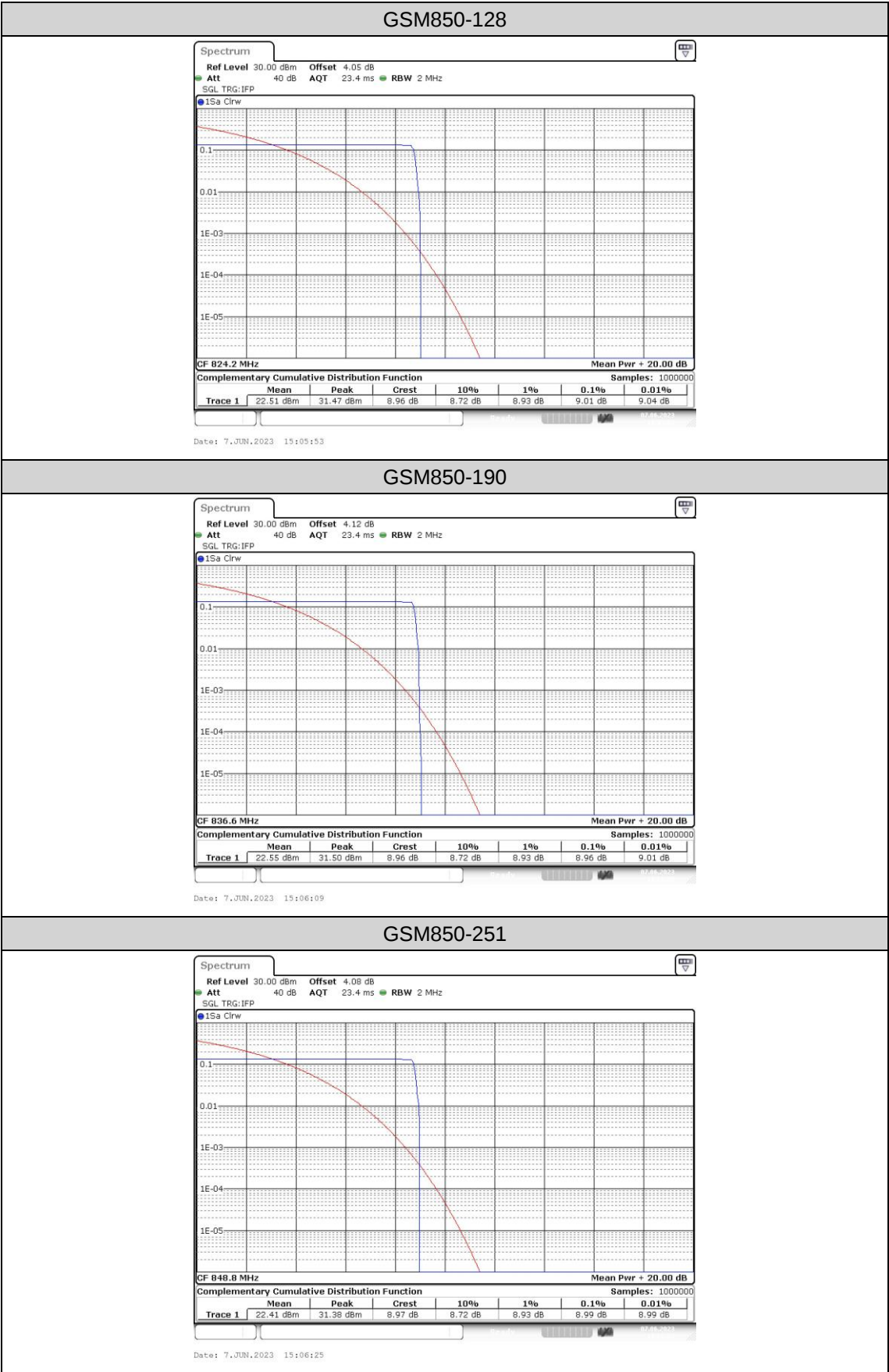
Band	Channel	Slot	Power(dBm)	Verdict
EGPRS850	128	1	30.07	PASS
EGPRS850	128	2	27.45	PASS
EGPRS850	128	3	25.66	PASS
EGPRS850	128	4	24.40	PASS
EGPRS850	190	1	29.69	PASS
EGPRS850	190	2	27.10	PASS
EGPRS850	190	3	25.27	PASS
EGPRS850	190	4	24.03	PASS
EGPRS850	251	1	29.48	PASS
EGPRS850	251	2	26.81	PASS
EGPRS850	251	3	24.97	PASS
EGPRS850	251	4	23.77	PASS
EGPRS1900	512	1	28.45	PASS
EGPRS1900	512	2	27.37	PASS
EGPRS1900	512	3	26.97	PASS
EGPRS1900	512	4	25.79	PASS
EGPRS1900	661	1	28.71	PASS
EGPRS1900	661	2	27.88	PASS
EGPRS1900	661	3	26.40	PASS
EGPRS1900	661	4	25.24	PASS
EGPRS1900	810	1	28.64	PASS
EGPRS1900	810	2	26.86	PASS
EGPRS1900	810	3	25.36	PASS
EGPRS1900	810	4	24.14	PASS

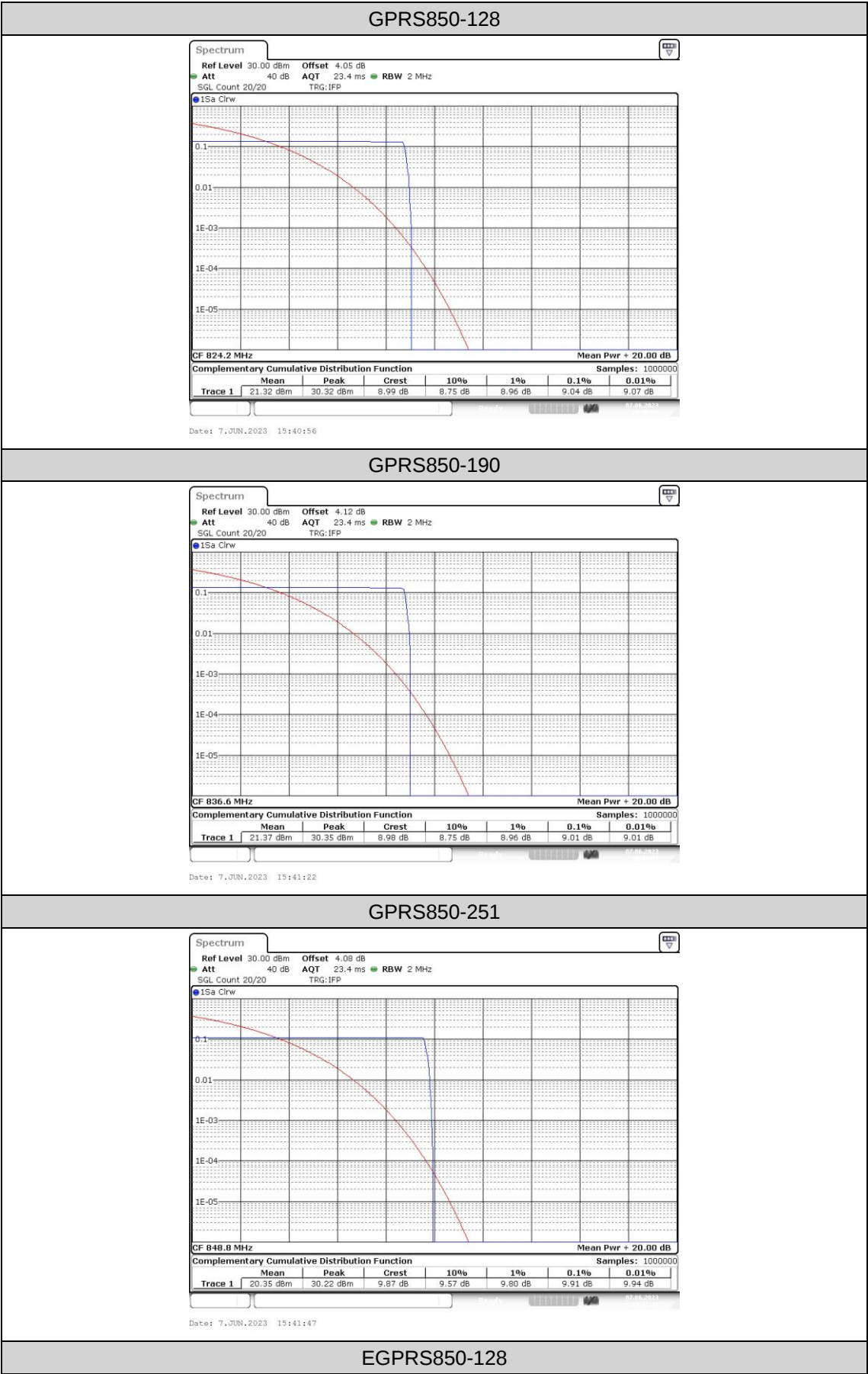
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	128	9.01	13	PASS
GSM850	190	8.96	13	PASS
GSM850	251	8.99	13	PASS
GPRS850	128	9.04	13	PASS
GPRS850	190	9.01	13	PASS
GPRS850	251	9.91	13	PASS
EGPRS850	128	11.77	13	PASS
EGPRS850	190	11.1	13	PASS
EGPRS850	251	12.17	13	PASS
GSM1900	512	8.96	13	PASS
GSM1900	661	8.99	13	PASS
GSM1900	810	8.99	13	PASS
GPRS1900	512	9.86	13	PASS
GPRS1900	661	9.83	13	PASS
GPRS1900	810	9.01	13	PASS
EGPRS1900	512	10.38	13	PASS
EGPRS1900	661	10.55	13	PASS
EGPRS1900	810	11.59	13	PASS

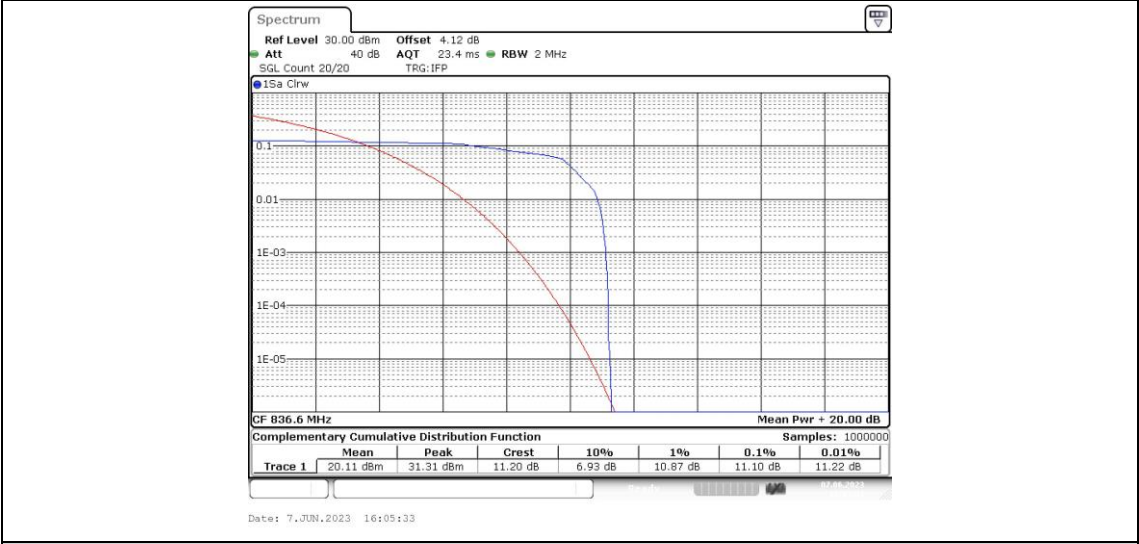
Test Graphs



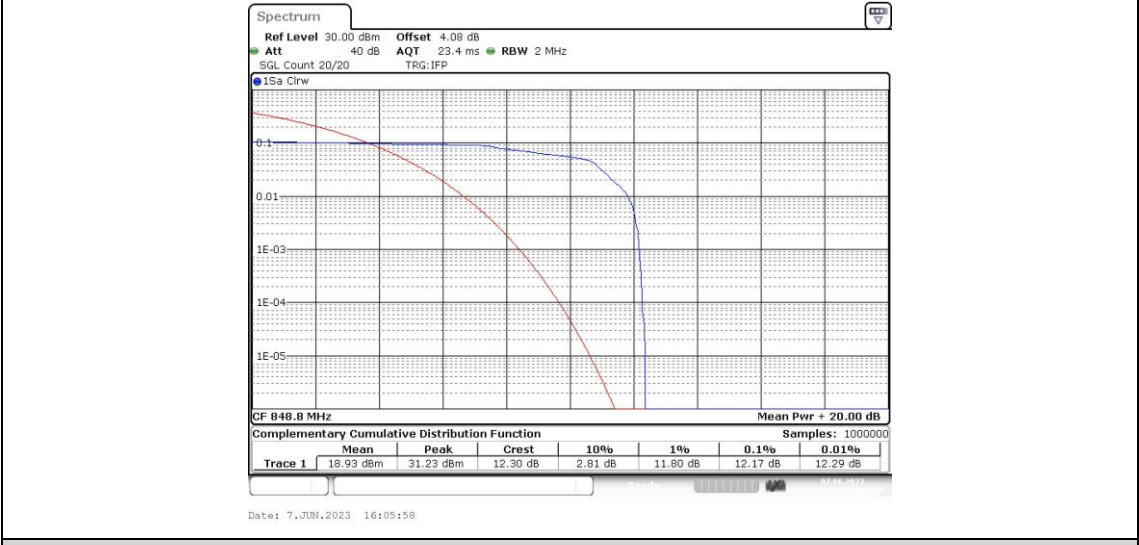




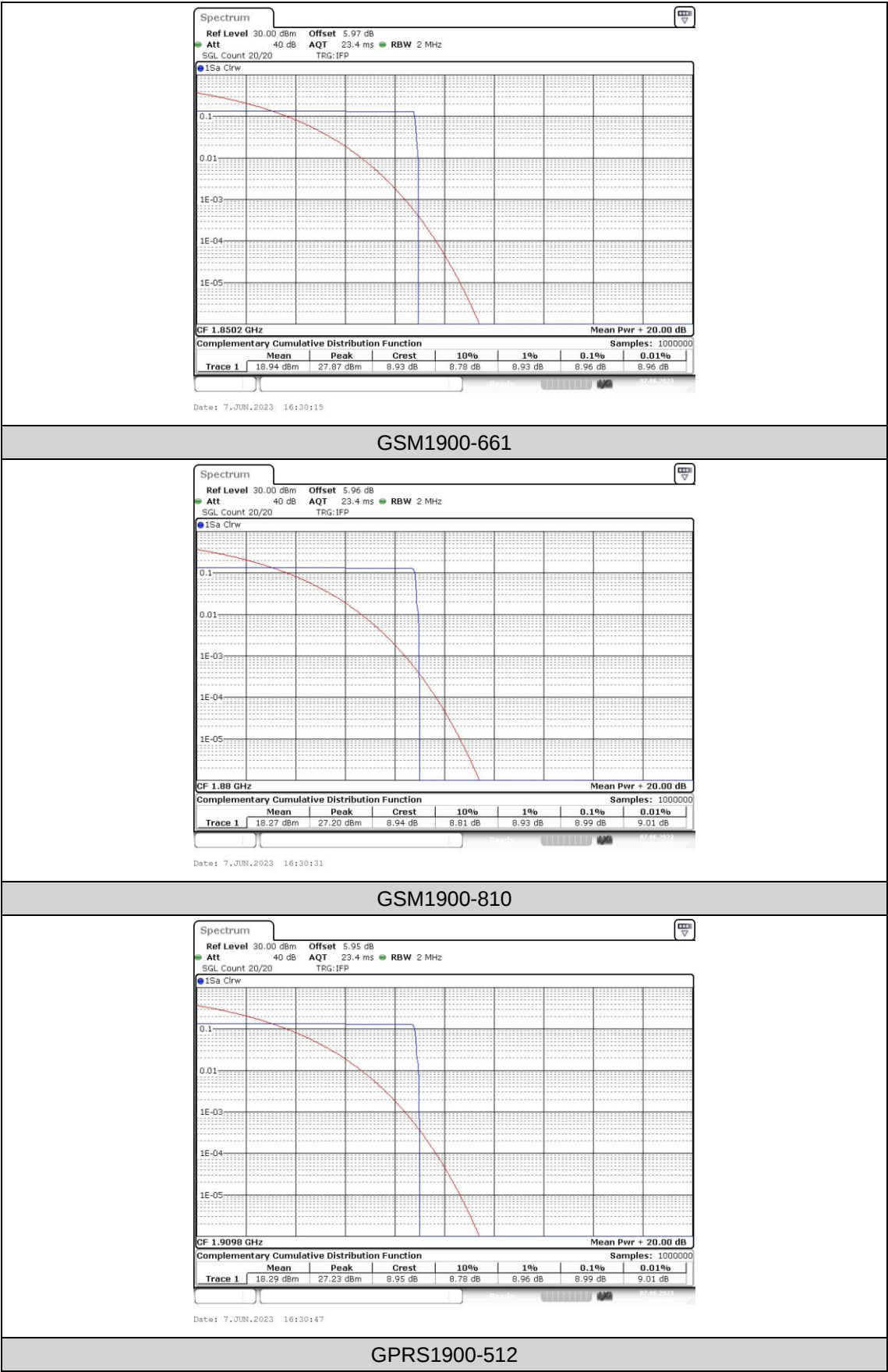
EGPRS850-190

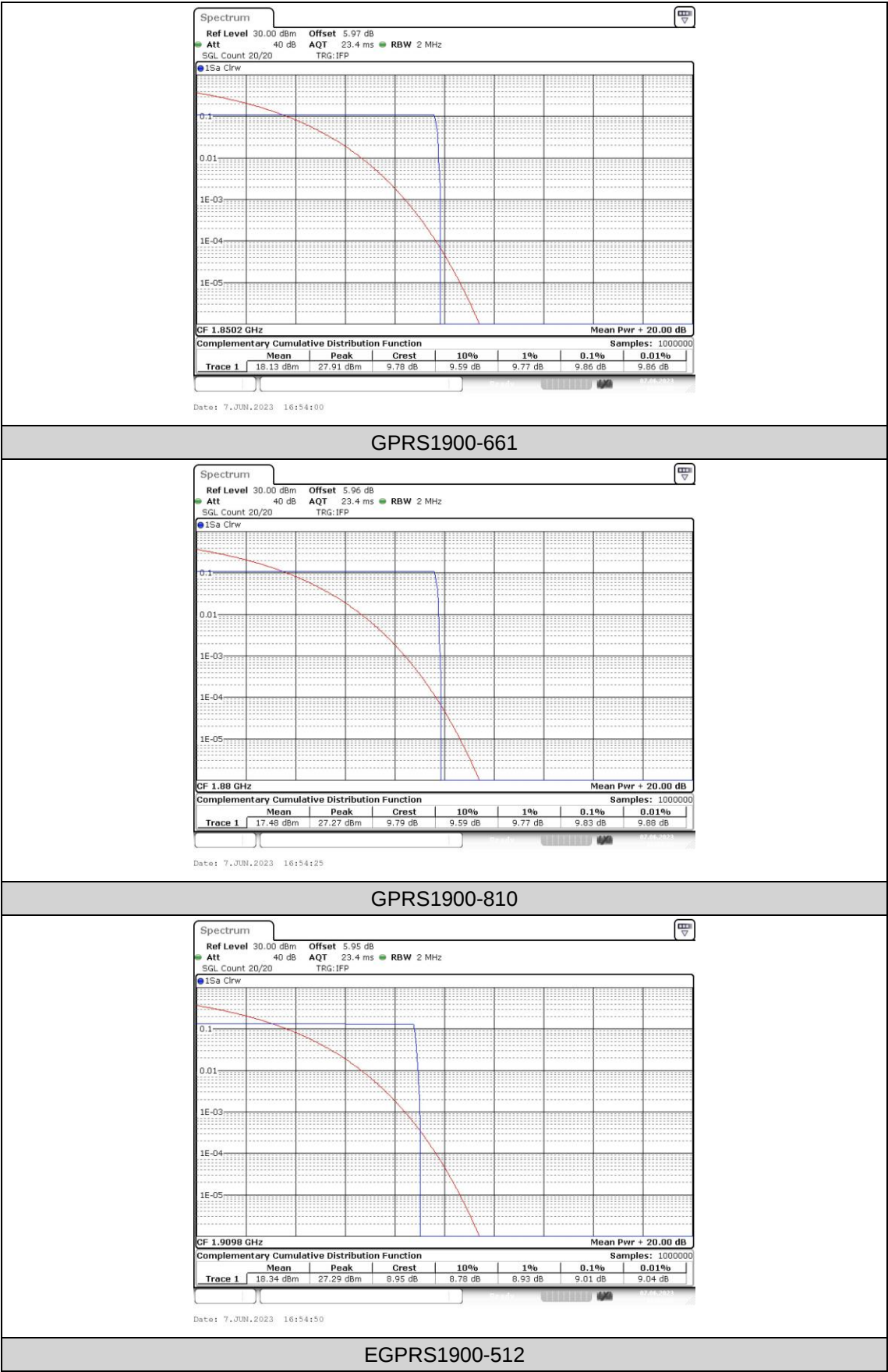


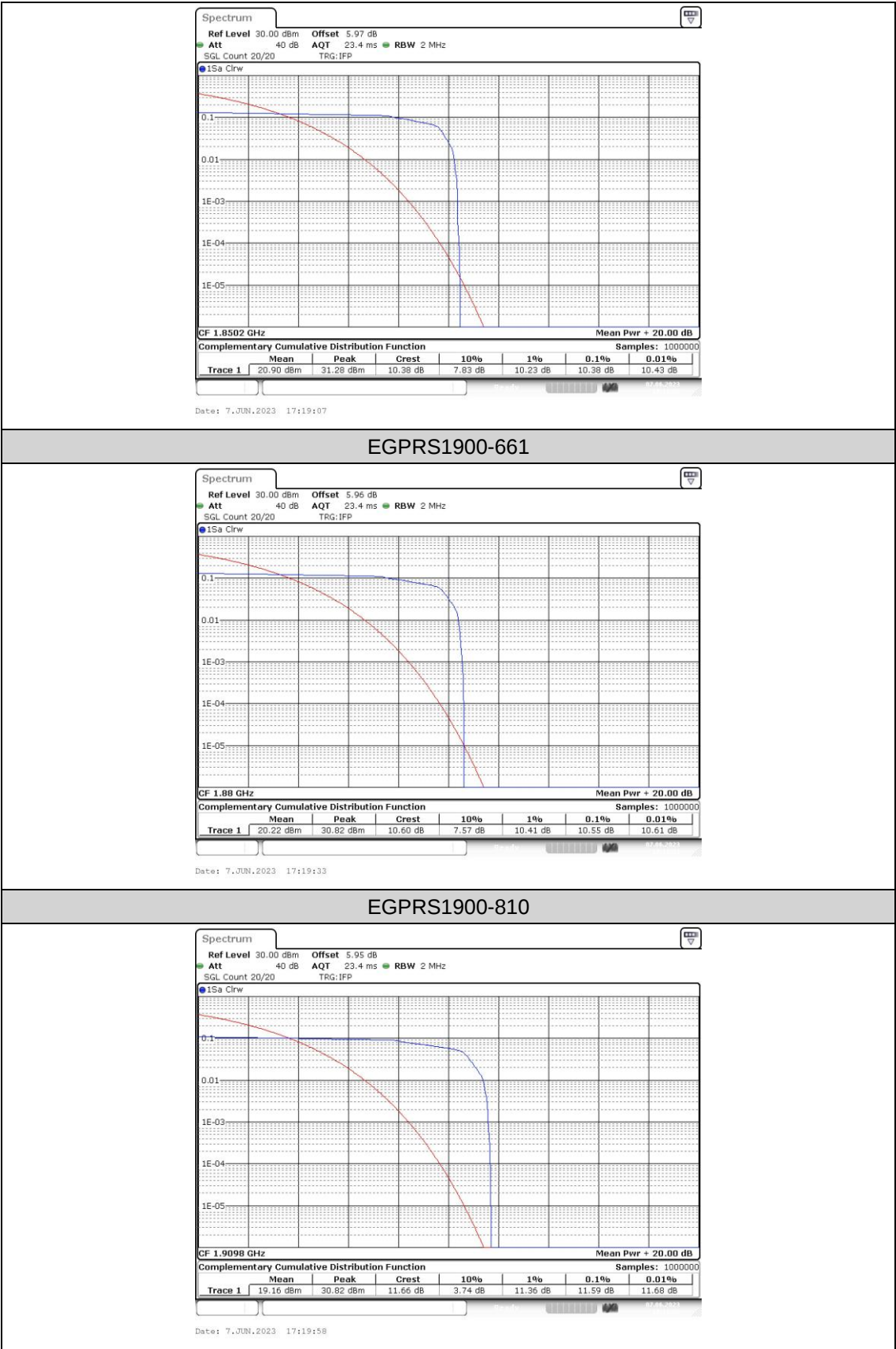
EGPRS850-251



GSM1900-512





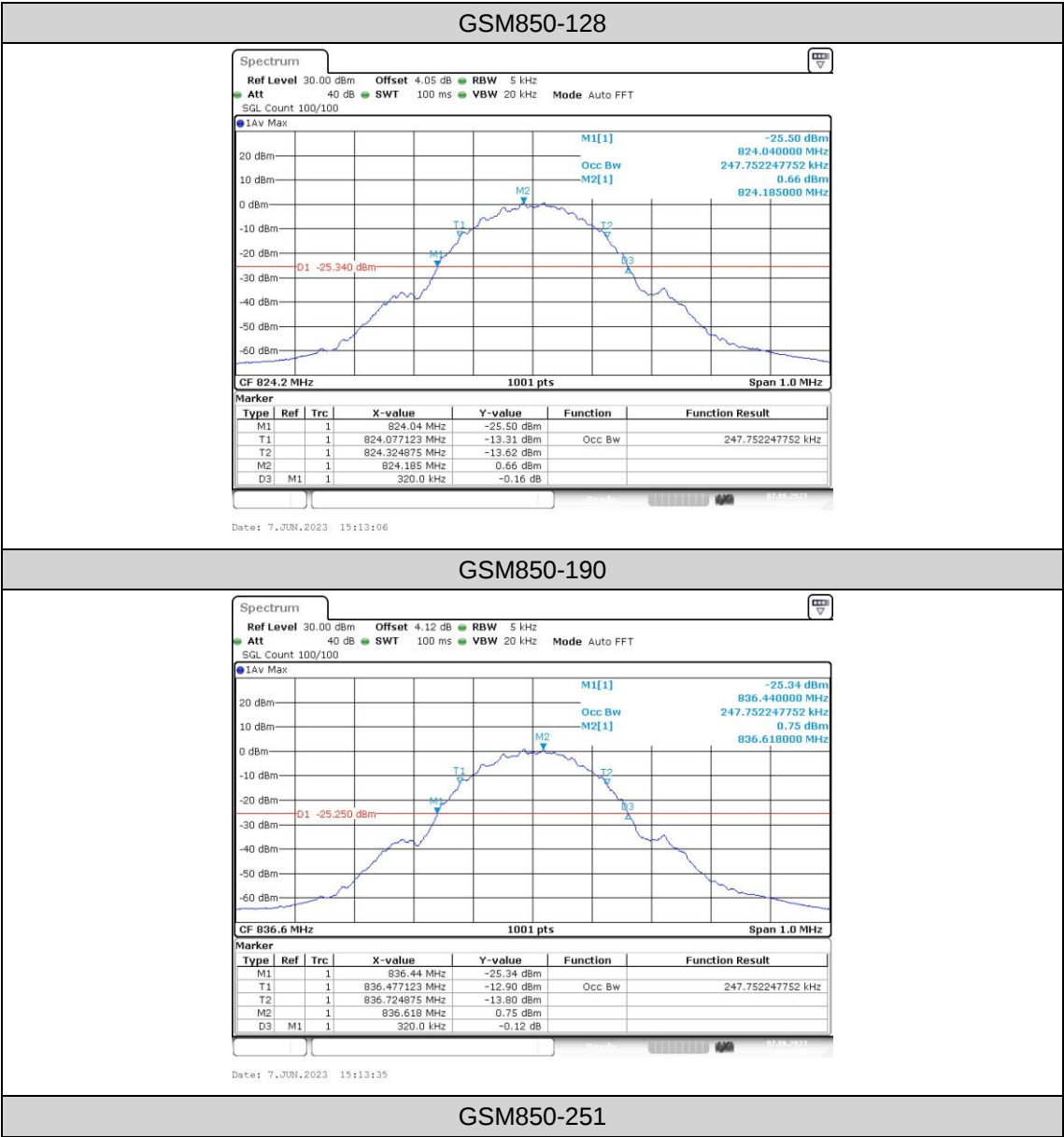


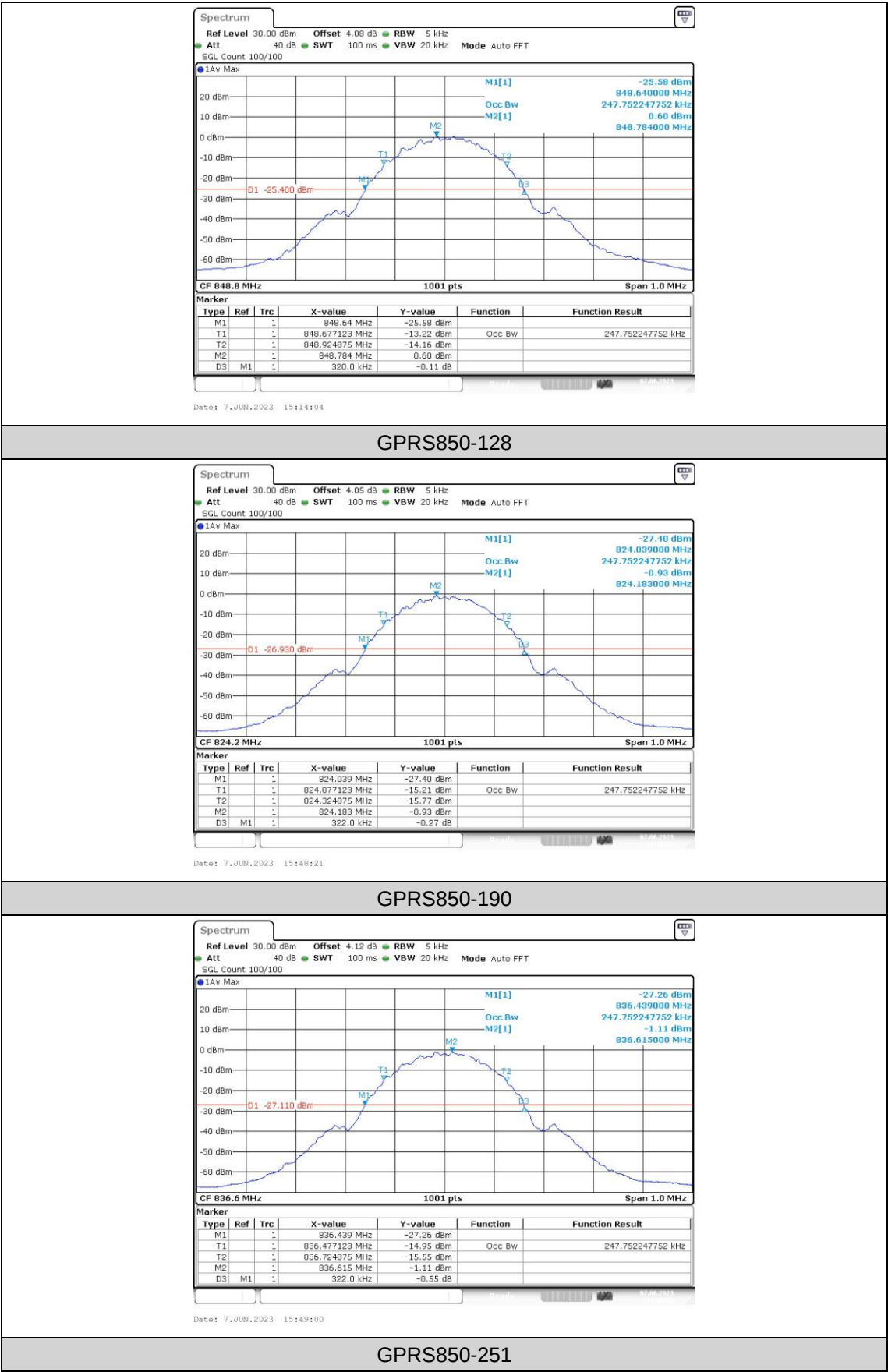
Appendix C: 26dB Bandwidth and Occupied Bandwidth

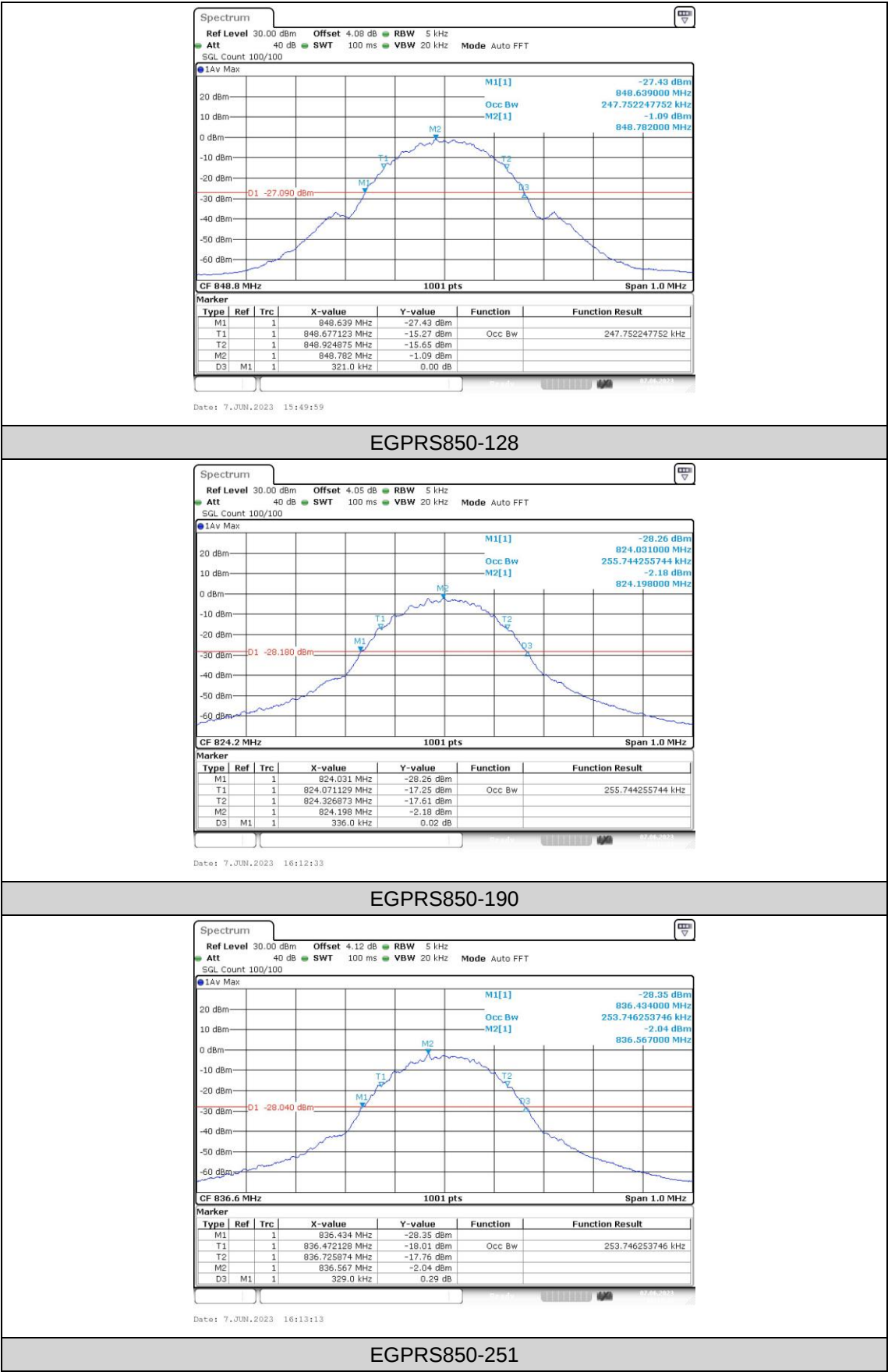
Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.248	0.32	---	PASS
GSM850	190	0.248	0.32	---	PASS
GSM850	251	0.248	0.32	---	PASS
GPRS850	128	0.248	0.32	---	PASS
GPRS850	190	0.248	0.32	---	PASS
GPRS850	251	0.248	0.32	---	PASS
EGPRS850	128	0.256	0.34	---	PASS
EGPRS850	190	0.254	0.33	---	PASS
EGPRS850	251	0.254	0.33	---	PASS
GSM1900	512	0.244	0.31	---	PASS
GSM1900	661	0.245	0.32	---	PASS
GSM1900	810	0.245	0.32	---	PASS
GPRS1900	512	0.244	0.32	---	PASS
GPRS1900	661	0.242	0.32	---	PASS
GPRS1900	810	0.244	0.32	---	PASS
EGPRS1900	512	0.273	0.36	---	PASS
EGPRS1900	661	0.268	0.37	---	PASS
EGPRS1900	810	0.262	0.35	---	PASS

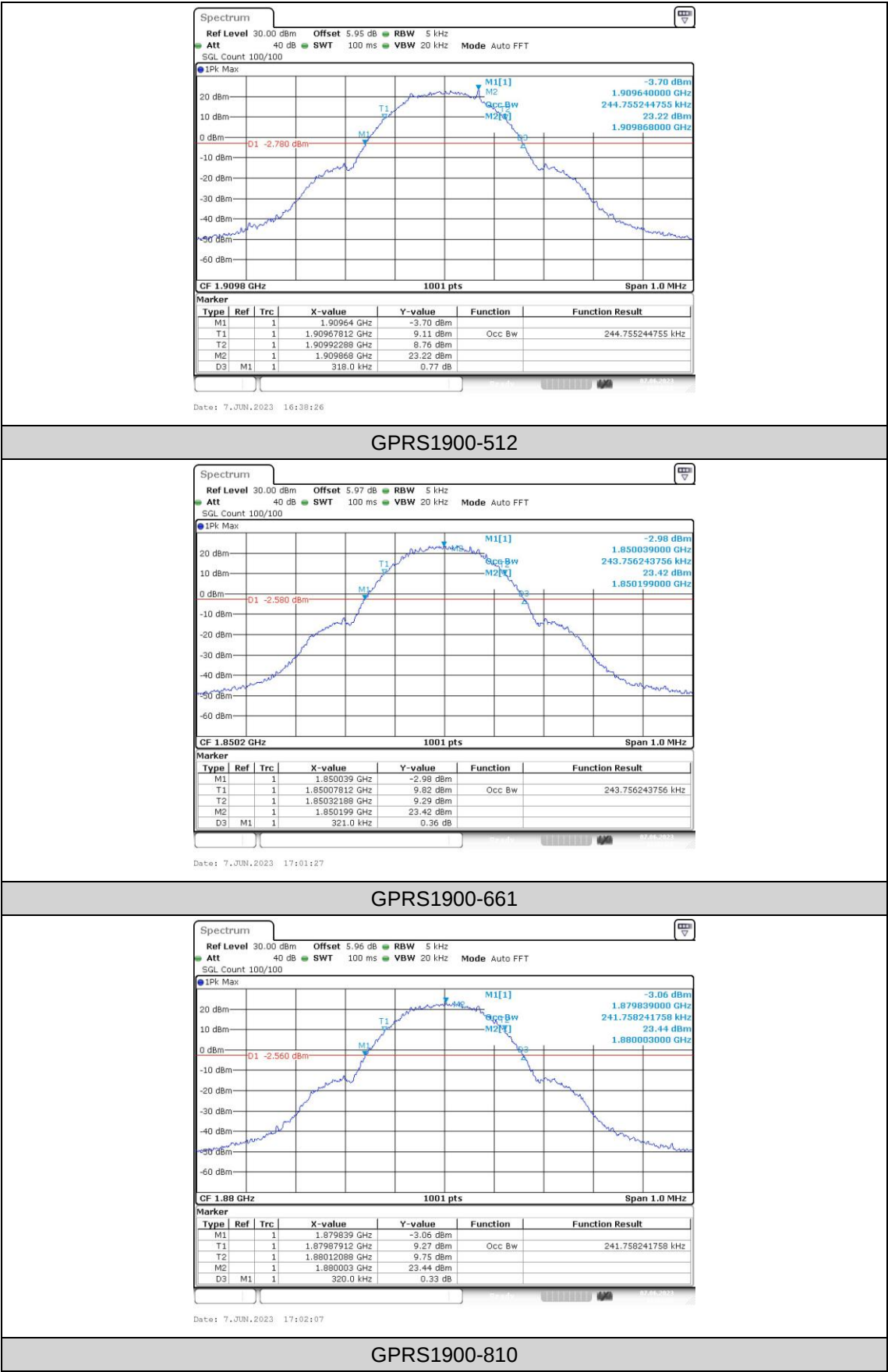
Test Graphs



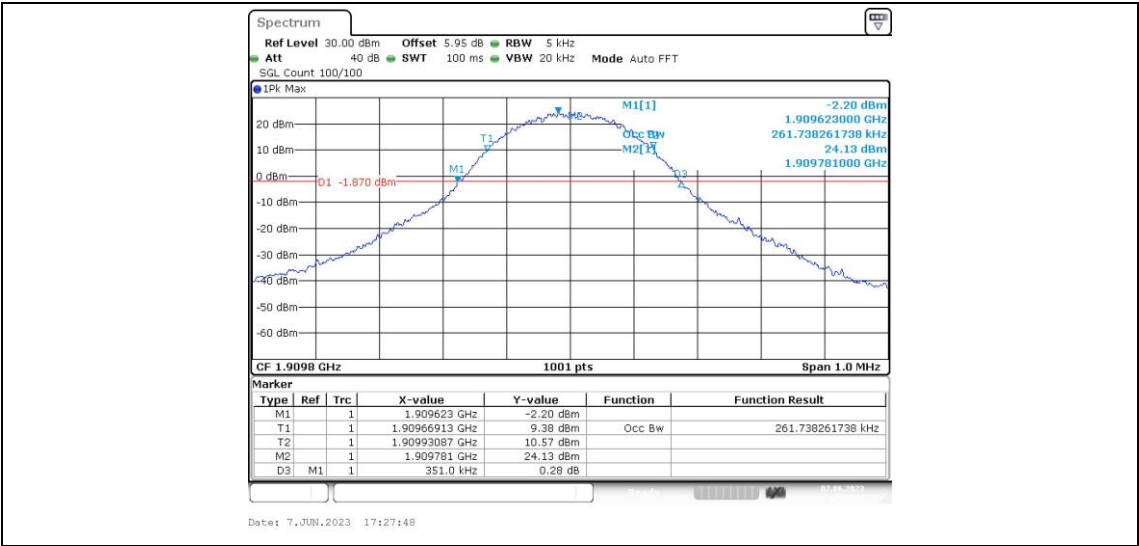










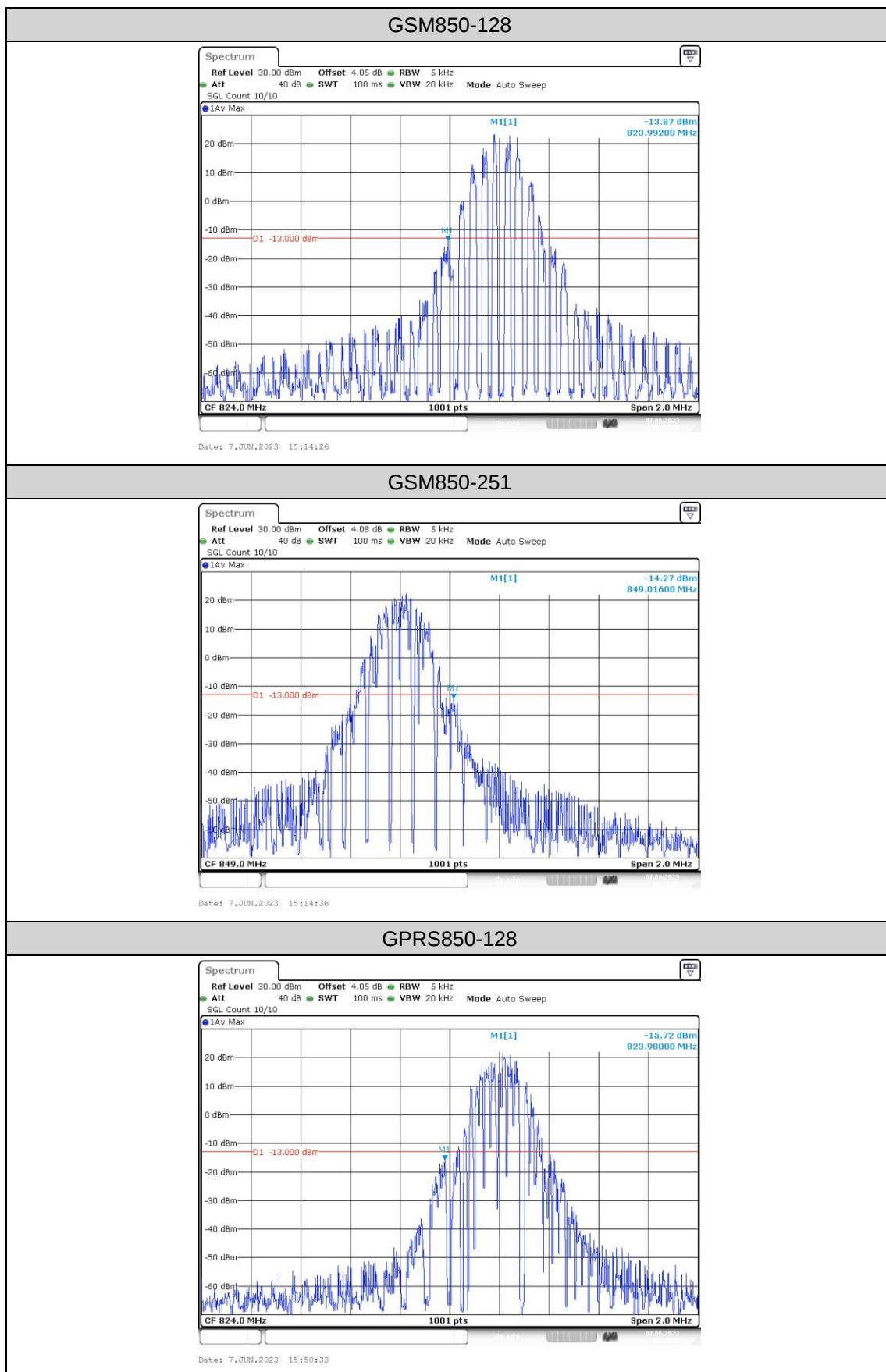


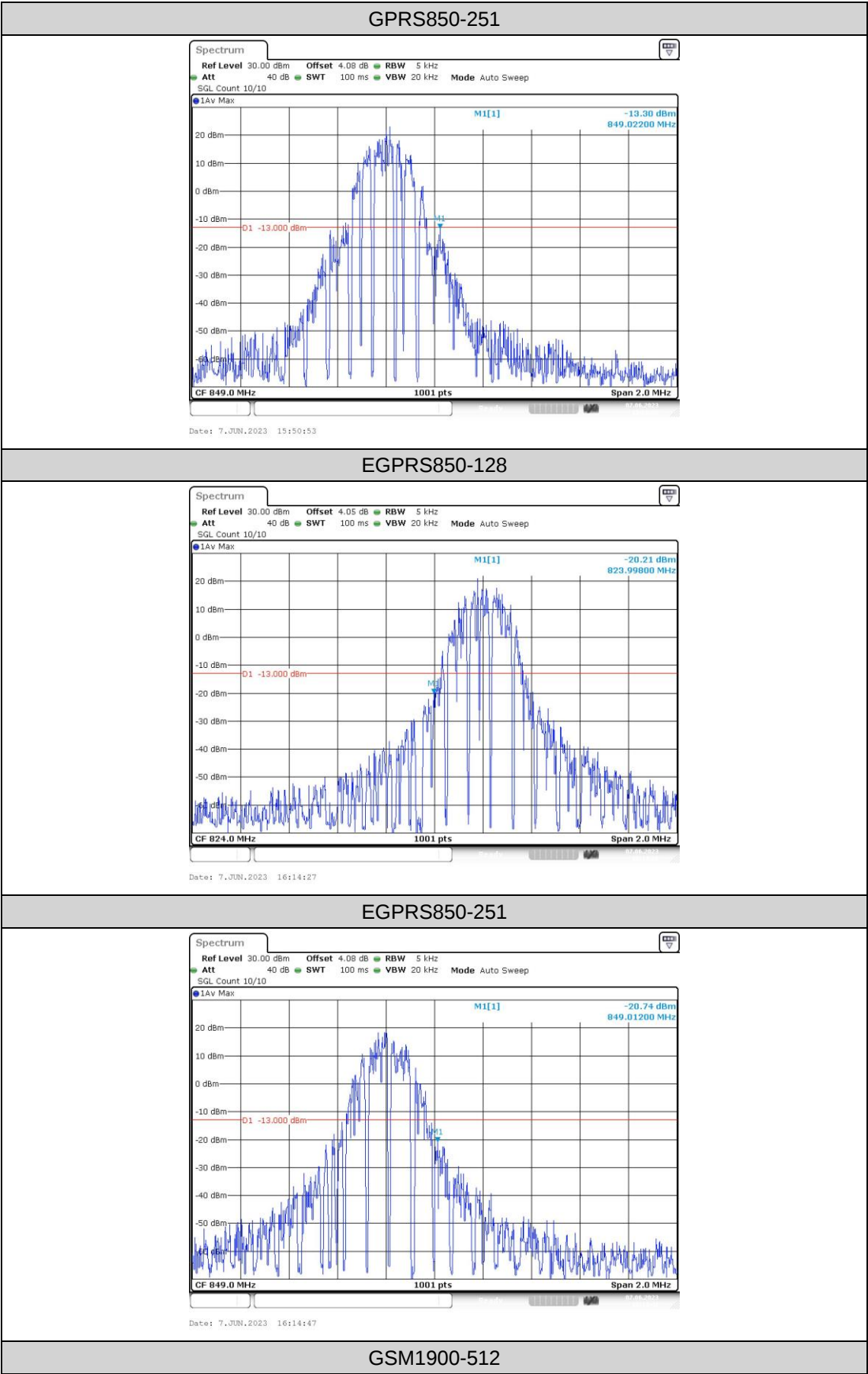
Appendix D: Band Edge

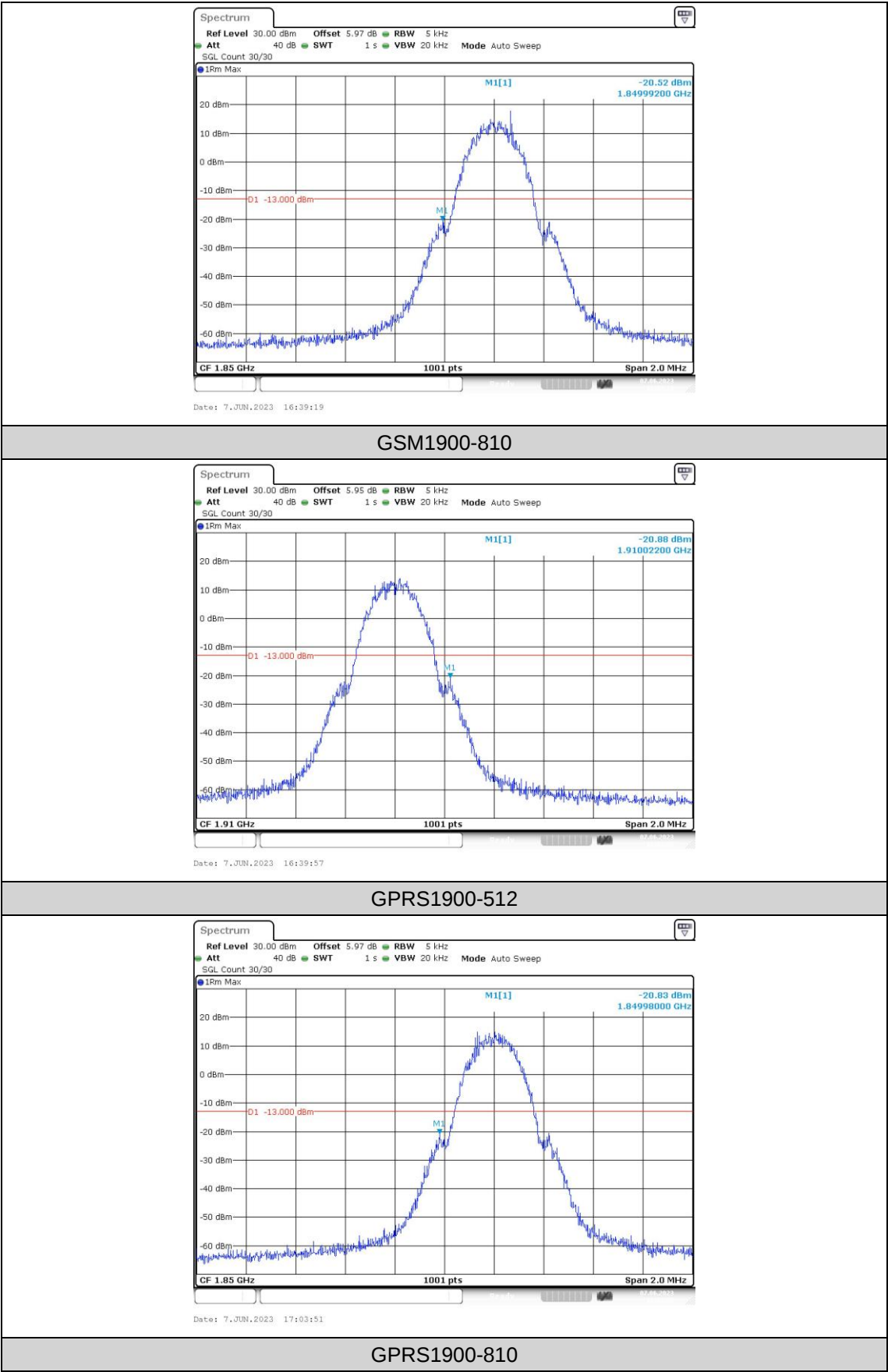
Test Result

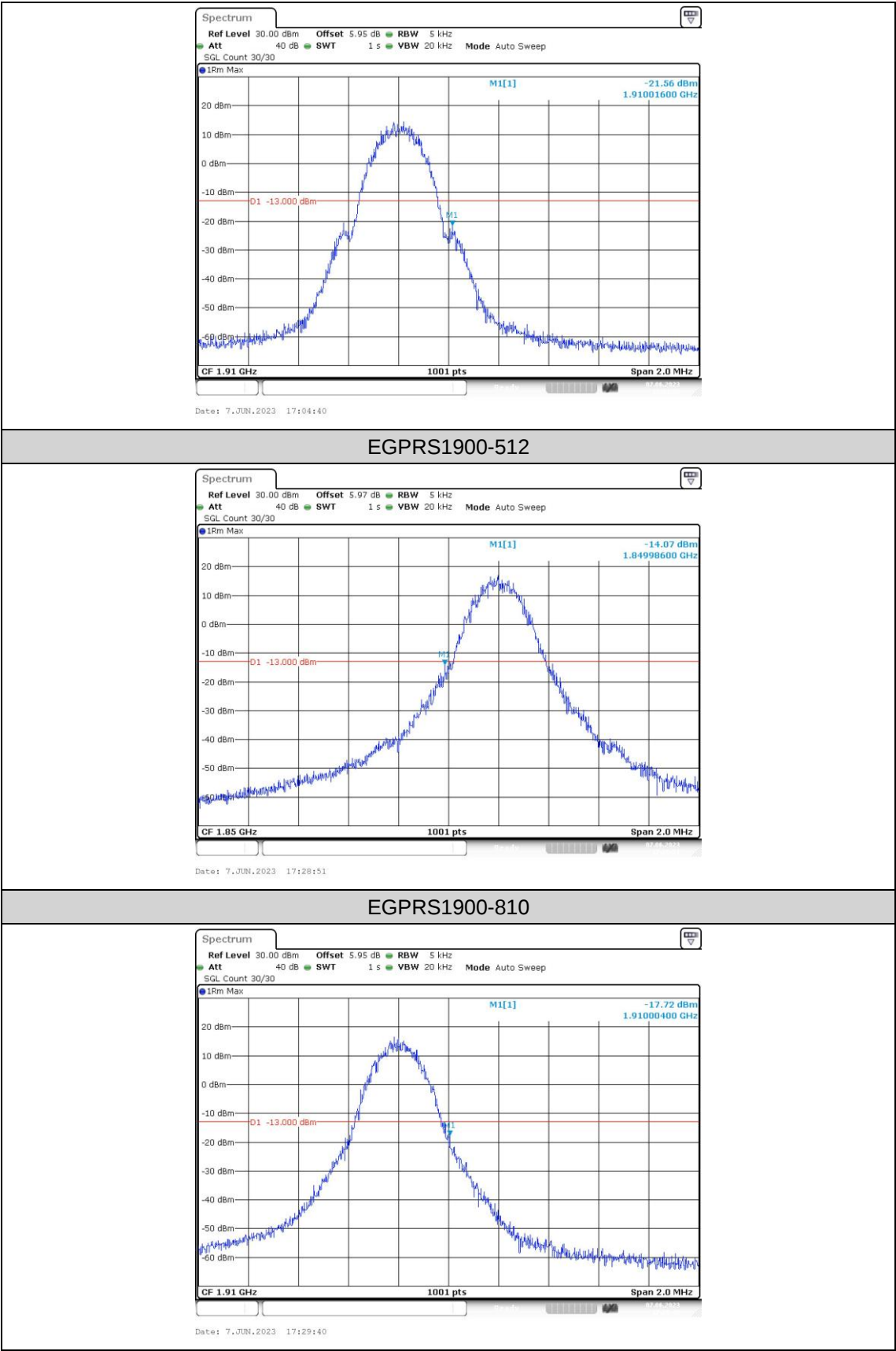
Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	823.99	-13.87	-13	PASS
GSM850	251	849.02	-14.27	-13	PASS
GPRS850	128	823.98	-15.72	-13	PASS
GPRS850	251	849.02	-13.30	-13	PASS
EGPRS850	128	824.00	-20.21	-13	PASS
EGPRS850	251	849.01	-20.74	-13	PASS
GSM1900	512	1849.99	-20.52	-13	PASS
GSM1900	810	1910.02	-20.88	-13	PASS
GPRS1900	512	1849.98	-20.83	-13	PASS
GPRS1900	810	1910.02	-21.56	-13	PASS
EGPRS1900	512	1849.99	-14.07	-13	PASS
EGPRS1900	810	1910.00	-17.72	-13	PASS

Test Graphs









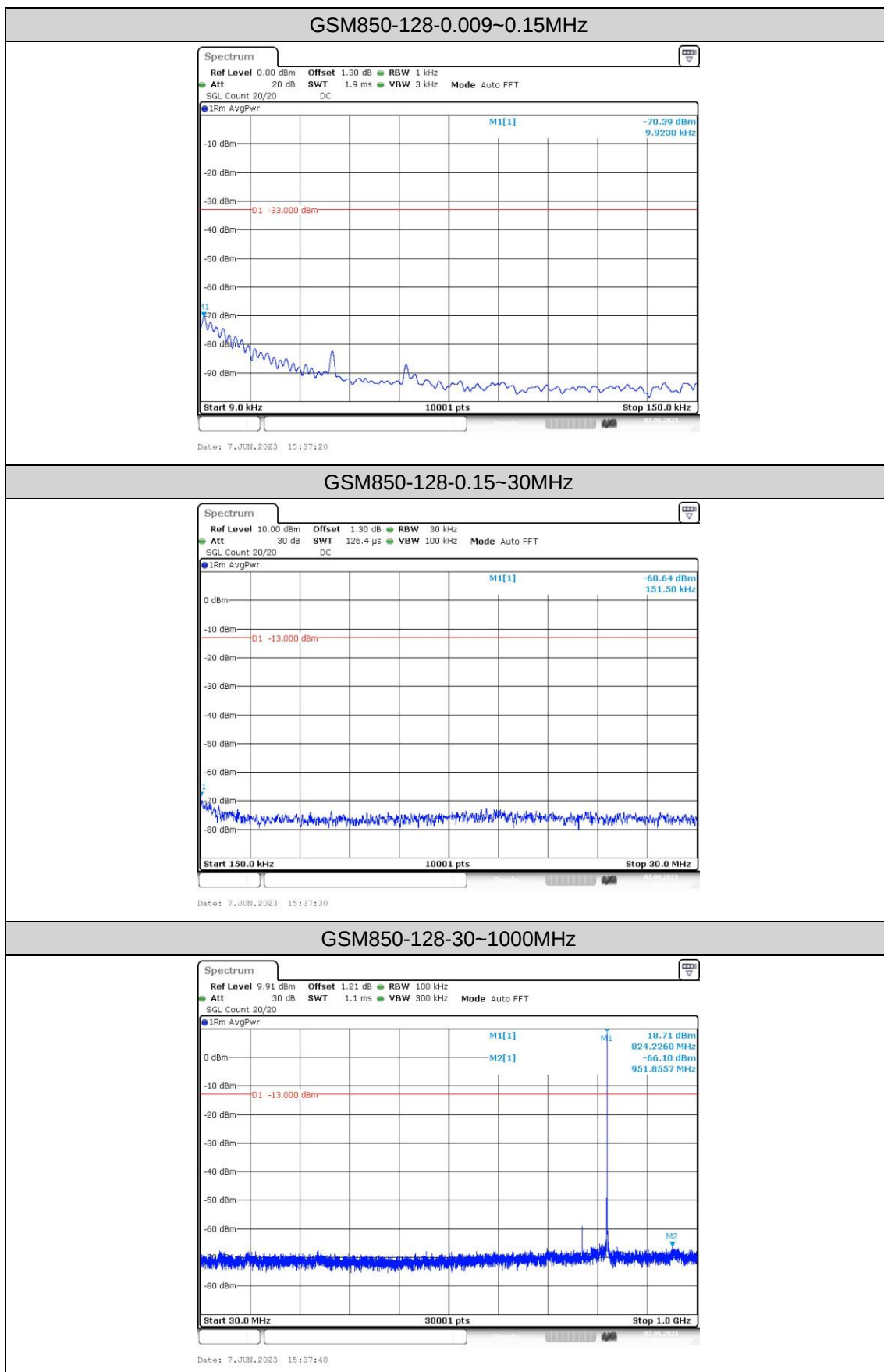
Appendix E: Conducted Spurious Emission

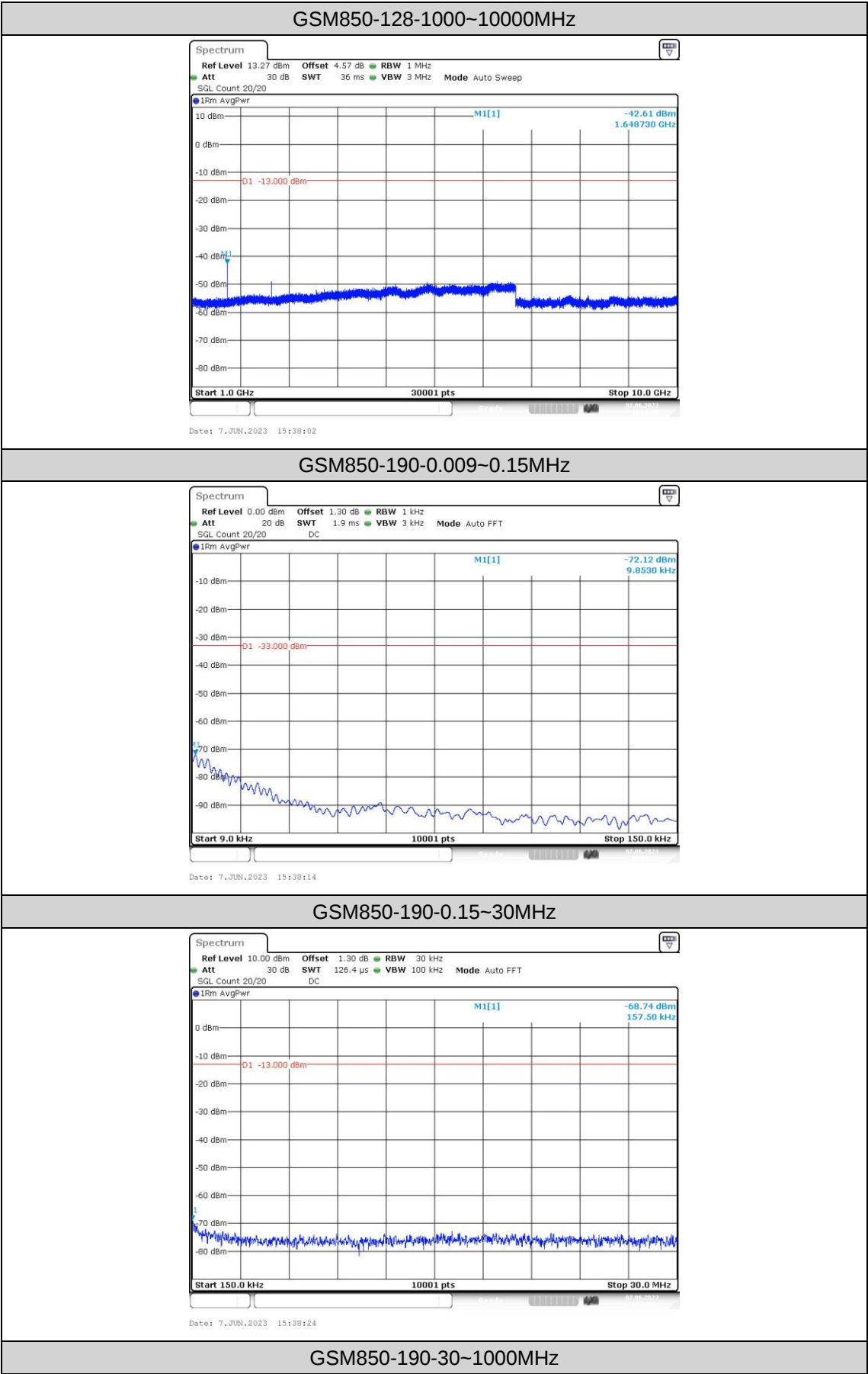
Test Result

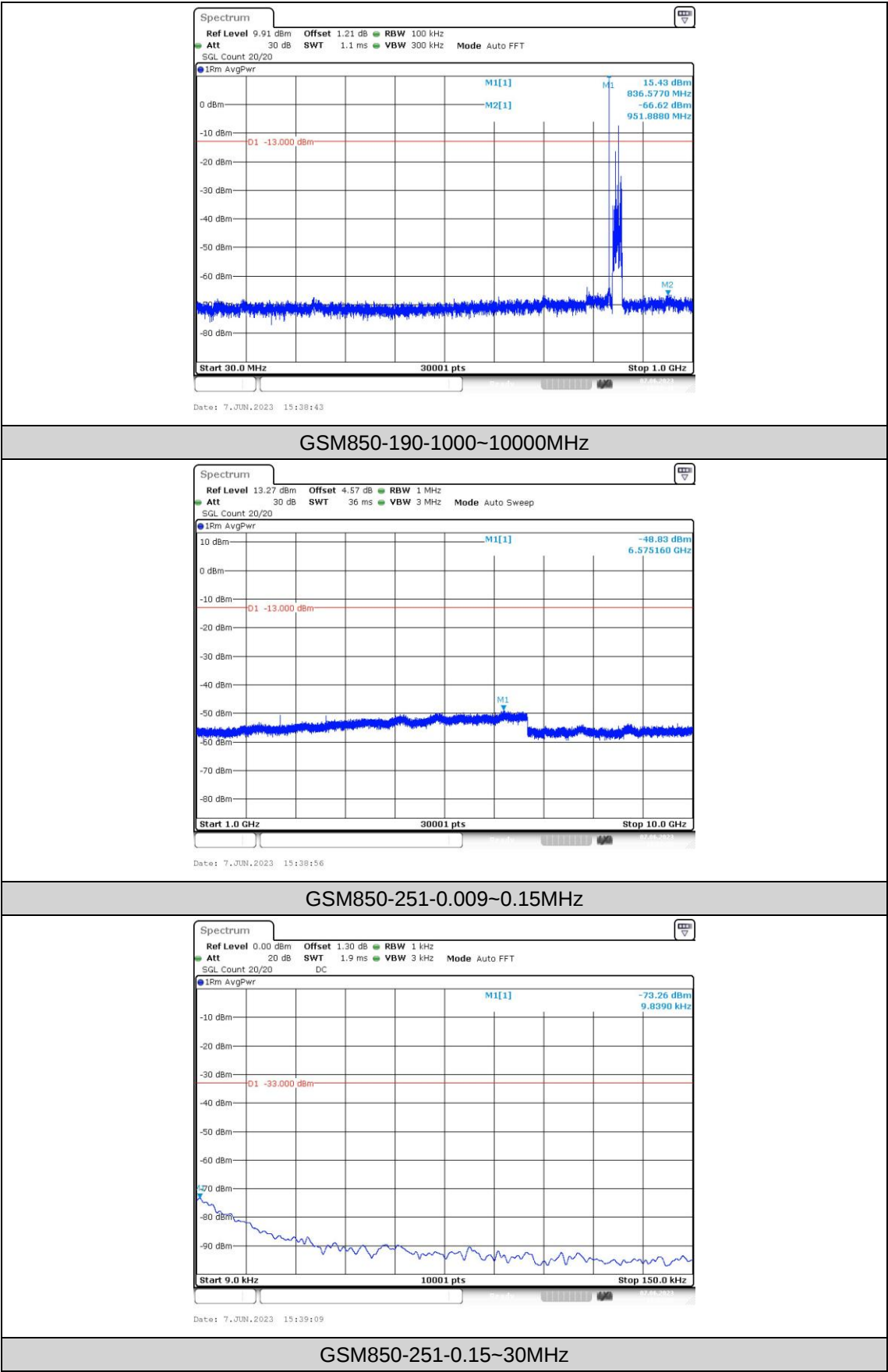
Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM850	128	0.009~0.15MHz	0.01	-70.39	-33	PASS
GSM850	128	0.15~30MHz	0.15	-68.64	-13	PASS
GSM850	128	30~1000MHz	951.86	-66.1	-13	PASS
GSM850	128	1000~10000MHz	1648.73	-42.61	-13	PASS
GSM850	190	0.009~0.15MHz	0.01	-72.12	-33	PASS
GSM850	190	0.15~30MHz	0.16	-68.74	-13	PASS
GSM850	190	30~1000MHz	951.89	-66.62	-13	PASS
GSM850	190	1000~10000MHz	6575.16	-48.83	-13	PASS
GSM850	251	0.009~0.15MHz	0.01	-73.26	-33	PASS
GSM850	251	0.15~30MHz	0.16	-67.59	-13	PASS
GSM850	251	30~1000MHz	706.48	-66.65	-13	PASS
GSM850	251	1000~10000MHz	1697.63	-39.72	-13	PASS
GPRS850	128	0.009~0.15MHz	0.01	-71.8	-33	PASS
GPRS850	128	0.15~30MHz	0.15	-69.64	-13	PASS
GPRS850	128	30~1000MHz	952.7	-66.44	-13	PASS
GPRS850	128	1000~10000MHz	1648.43	-40.94	-13	PASS
GPRS850	190	0.009~0.15MHz	0.01	-73.22	-33	PASS
GPRS850	190	0.15~30MHz	0.15	-69.64	-13	PASS
GPRS850	190	30~1000MHz	706.41	-66.12	-13	PASS
GPRS850	190	1000~10000MHz	1673.33	-40.75	-13	PASS
GPRS850	251	0.009~0.15MHz	0.01	-68.49	-33	PASS
GPRS850	251	0.15~30MHz	0.15	-69.58	-13	PASS
GPRS850	251	30~1000MHz	705.09	-65.65	-13	PASS
GPRS850	251	1000~10000MHz	2546.3	-43.36	-13	PASS
EGPRS850	128	0.009~0.15MHz	0.01	-66.68	-33	PASS
EGPRS850	128	0.15~30MHz	0.15	-68.44	-13	PASS
EGPRS850	128	30~1000MHz	956.48	-66.43	-13	PASS
EGPRS850	128	1000~10000MHz	1648.43	-40.21	-13	PASS
EGPRS850	190	0.009~0.15MHz	0.01	-63.33	-33	PASS
EGPRS850	190	0.15~30MHz	0.15	-69.83	-13	PASS
EGPRS850	190	30~1000MHz	949.17	-66.11	-13	PASS
EGPRS850	190	1000~10000MHz	1673.63	-47.11	-13	PASS
EGPRS850	251	0.009~0.15MHz	0.01	-61.93	-33	PASS
EGPRS850	251	0.15~30MHz	0.16	-68.5	-13	PASS
EGPRS850	251	30~1000MHz	954.6	-66.14	-13	PASS
EGPRS850	251	1000~10000MHz	1697.93	-44.76	-13	PASS

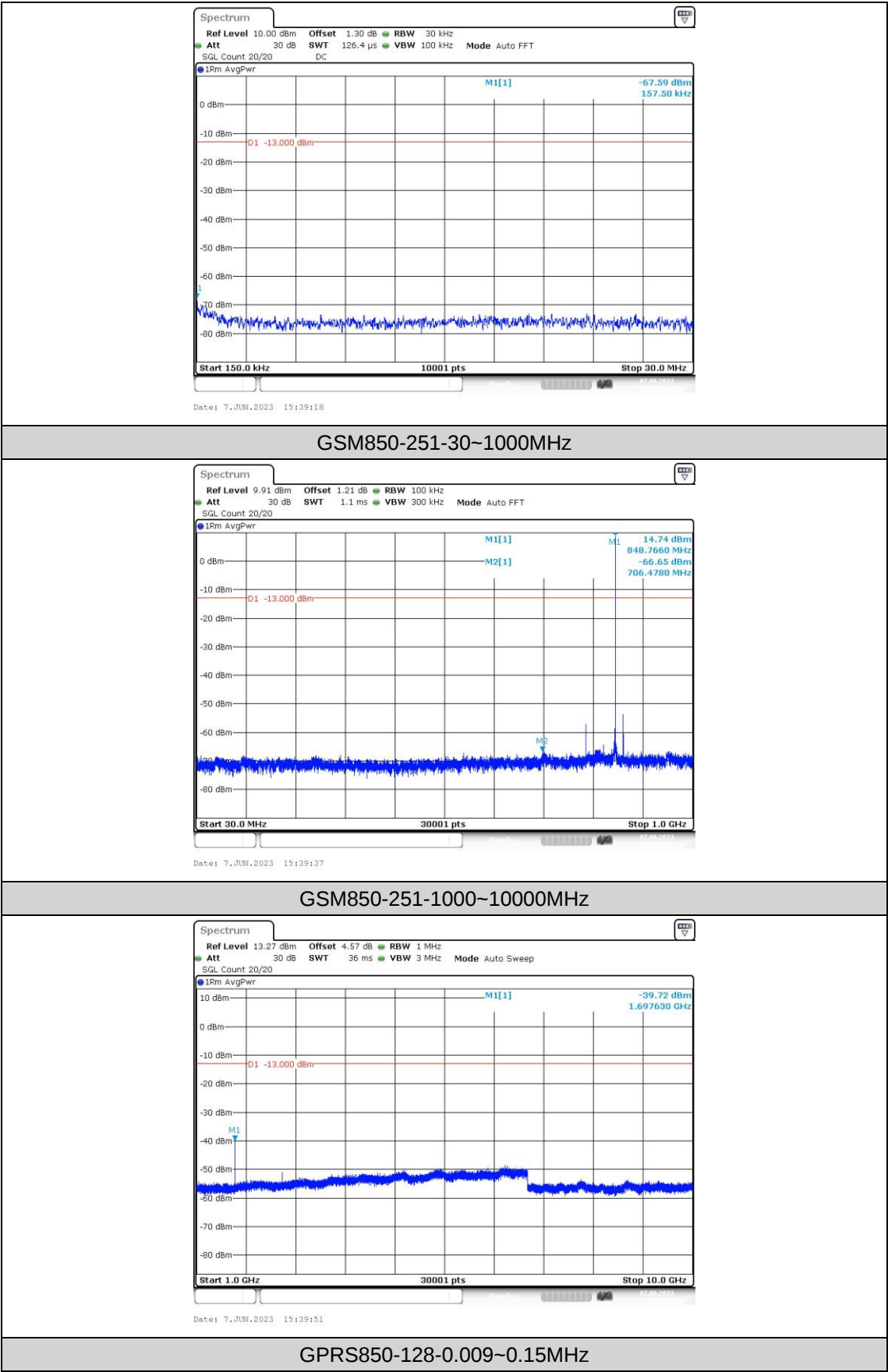
GSM1900	512	0.009~0.15MHz	0.01	-60.38	-43	PASS
GSM1900	512	0.15~30MHz	0.18	-70.26	-23	PASS
GSM1900	512	30~1000MHz	871.33	-57.07	-13	PASS
GSM1900	512	1000~18000MHz	3700.17	-39.6	-13	PASS
GSM1900	661	0.009~0.15MHz	0.01	-57.13	-43	PASS
GSM1900	661	0.15~30MHz	0.16	-69.93	-23	PASS
GSM1900	661	30~1000MHz	889.54	-56.62	-13	PASS
GSM1900	661	1000~18000MHz	3760.23	-40.37	-13	PASS
GSM1900	810	0.009~0.15MHz	0.01	-58.19	-43	PASS
GSM1900	810	0.15~30MHz	0.15	-68.74	-23	PASS
GSM1900	810	30~1000MHz	958.92	-56.97	-13	PASS
GSM1900	810	1000~18000MHz	3819.17	-45.07	-13	PASS
GPRS1900	512	0.009~0.15MHz	0.01	-54.55	-43	PASS
GPRS1900	512	0.15~30MHz	0.22	-69.83	-23	PASS
GPRS1900	512	30~1000MHz	863.87	-56.96	-13	PASS
GPRS1900	512	1000~18000MHz	3700.17	-44.26	-13	PASS
GPRS1900	661	0.009~0.15MHz	0.01	-59.92	-43	PASS
GPRS1900	661	0.15~30MHz	0.19	-70.19	-23	PASS
GPRS1900	661	30~1000MHz	959.34	-57.05	-13	PASS
GPRS1900	661	1000~18000MHz	3760.23	-44.85	-13	PASS
GPRS1900	810	0.009~0.15MHz	0.01	-57.04	-43	PASS
GPRS1900	810	0.15~30MHz	0.25	-69.97	-23	PASS
GPRS1900	810	30~1000MHz	958.95	-56.92	-13	PASS
GPRS1900	810	1000~18000MHz	3819.73	-39.03	-13	PASS
EGPRS1900	512	0.009~0.15MHz	0.01	-44.66	-43	PASS
EGPRS1900	512	0.15~30MHz	0.17	-61.63	-23	PASS
EGPRS1900	512	30~1000MHz	587.88	-57.43	-13	PASS
EGPRS1900	512	1000~18000MHz	3700.17	-32.08	-13	PASS
EGPRS1900	661	0.009~0.15MHz	0.01	-48.17	-43	PASS
EGPRS1900	661	0.15~30MHz	0.17	-64.87	-23	PASS
EGPRS1900	661	30~1000MHz	889.18	-56.32	-13	PASS
EGPRS1900	661	1000~18000MHz	3760.23	-39.21	-13	PASS
EGPRS1900	810	0.009~0.15MHz	0.02	-46.09	-43	PASS
EGPRS1900	810	0.15~30MHz	0.17	-63.09	-23	PASS
EGPRS1900	810	30~1000MHz	862.18	-56.99	-13	PASS
EGPRS1900	810	1000~18000MHz	3819.73	-40.73	-13	PASS

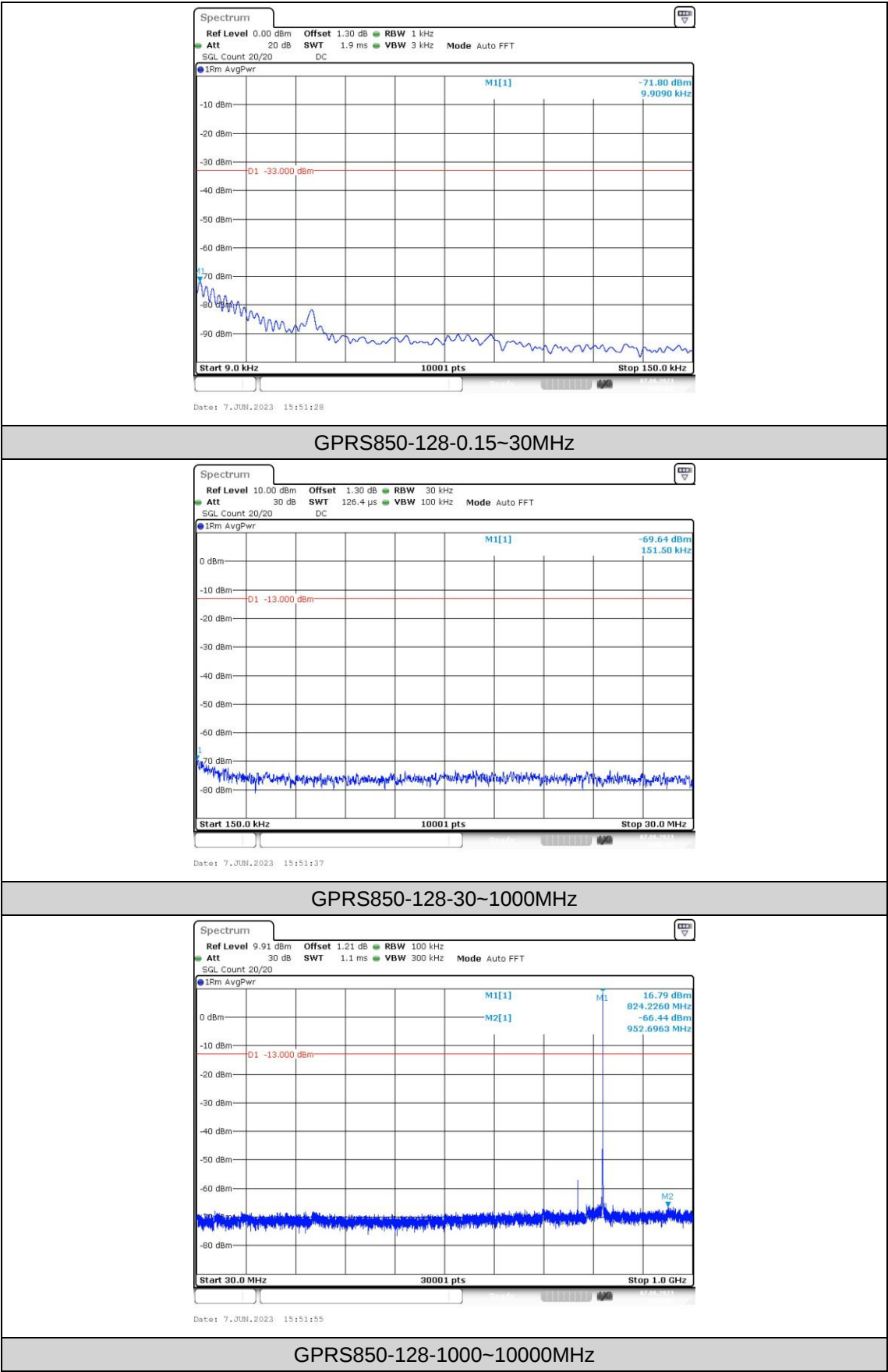
Test Graphs

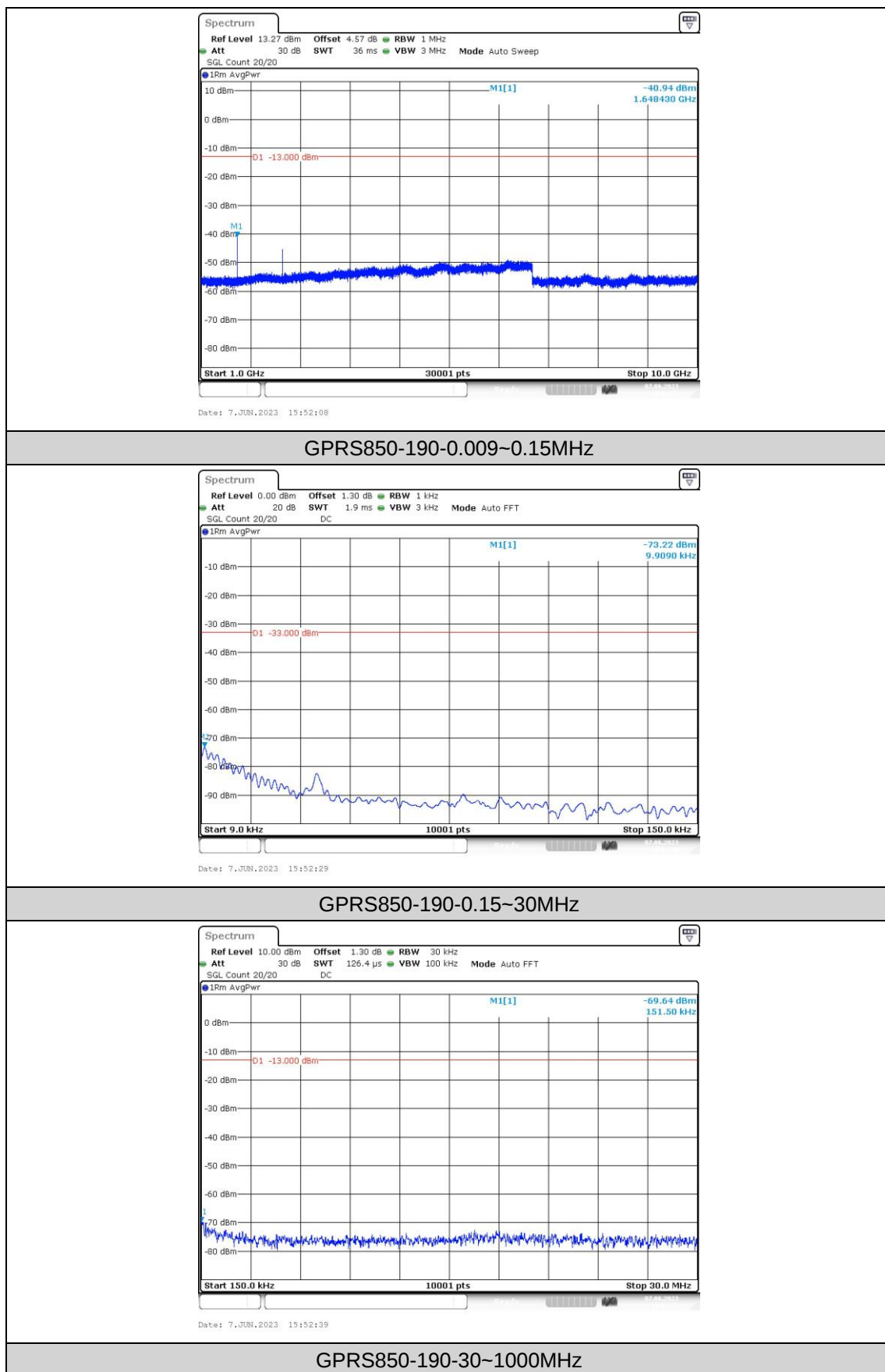


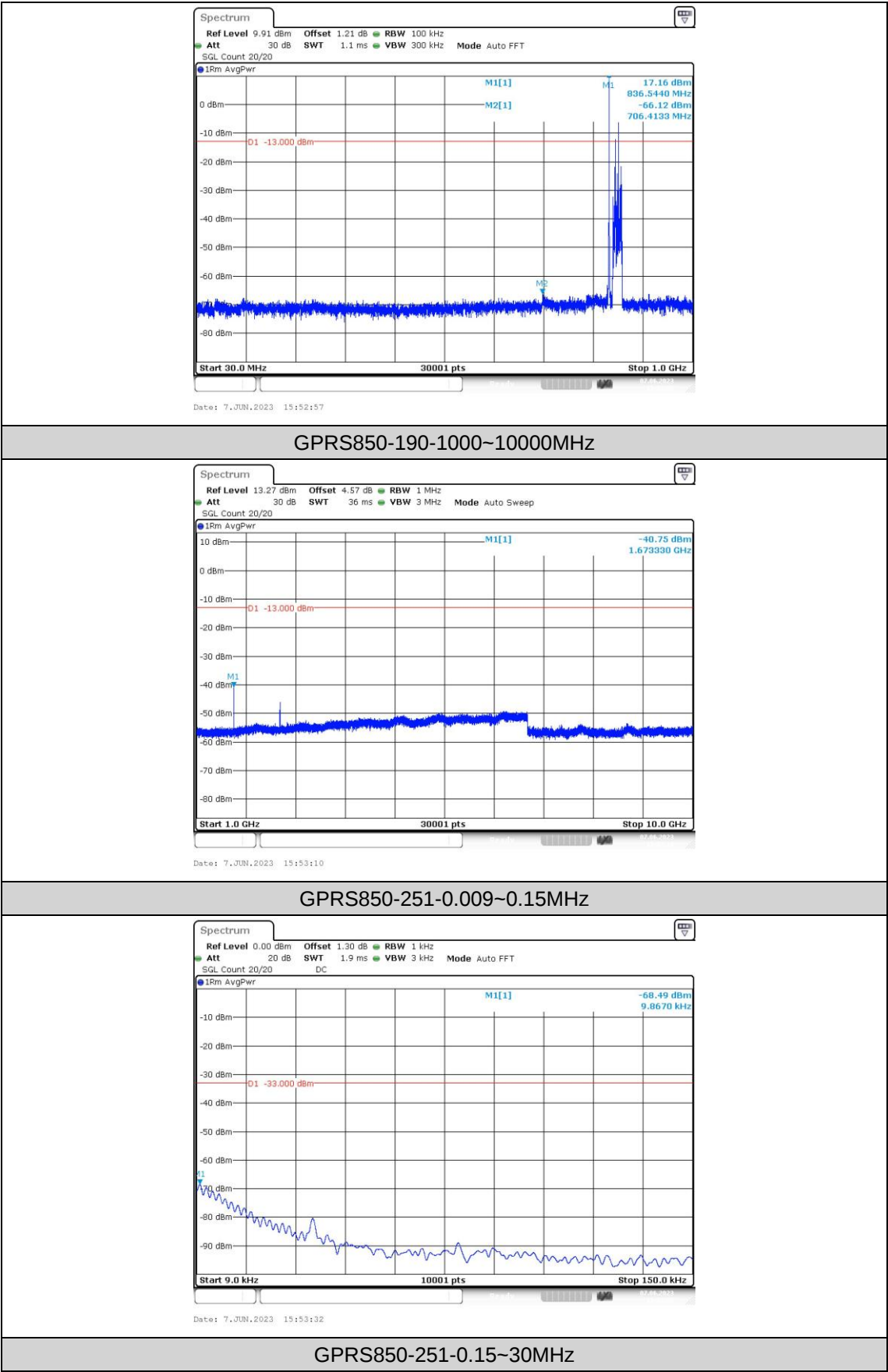


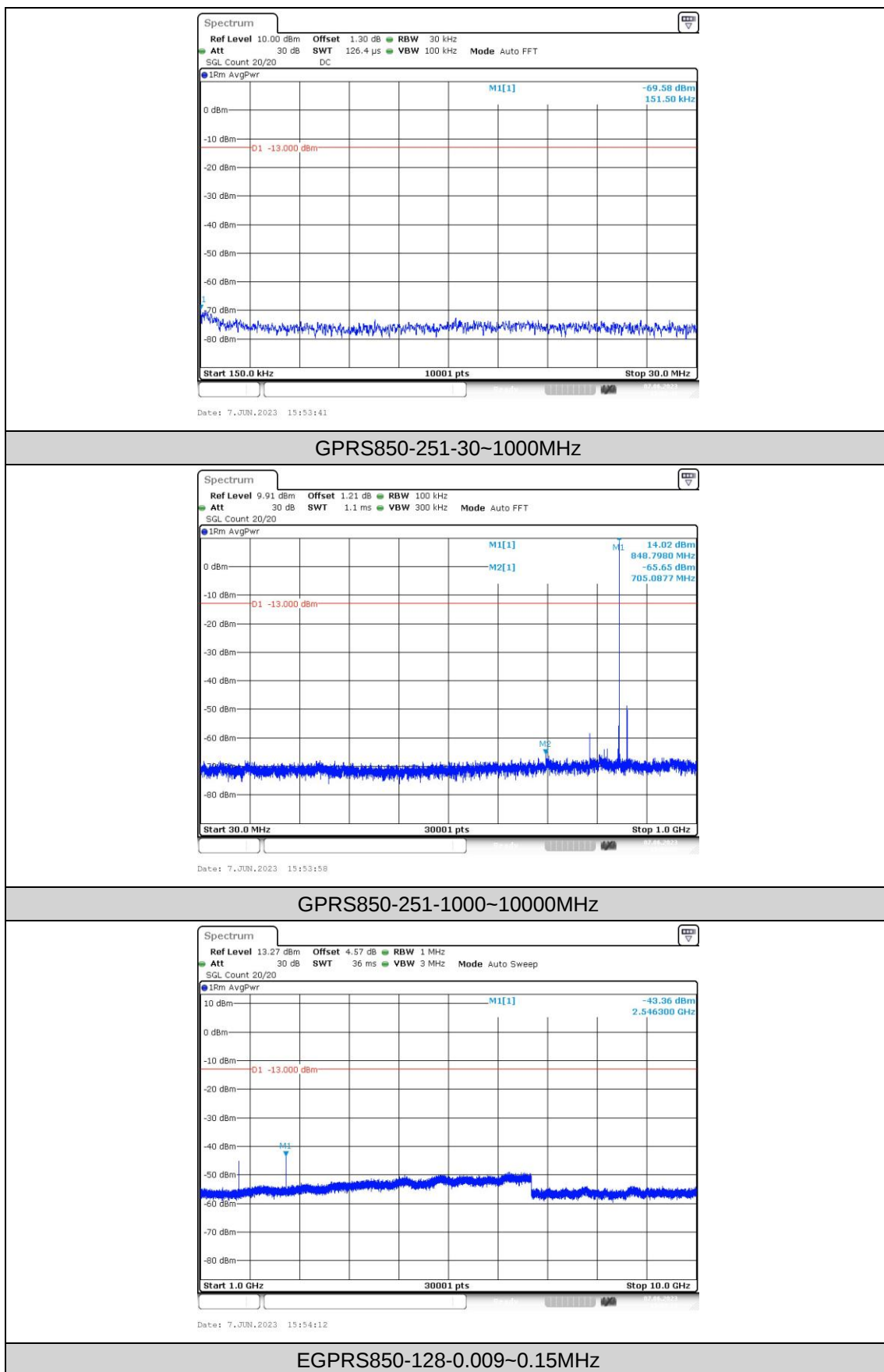


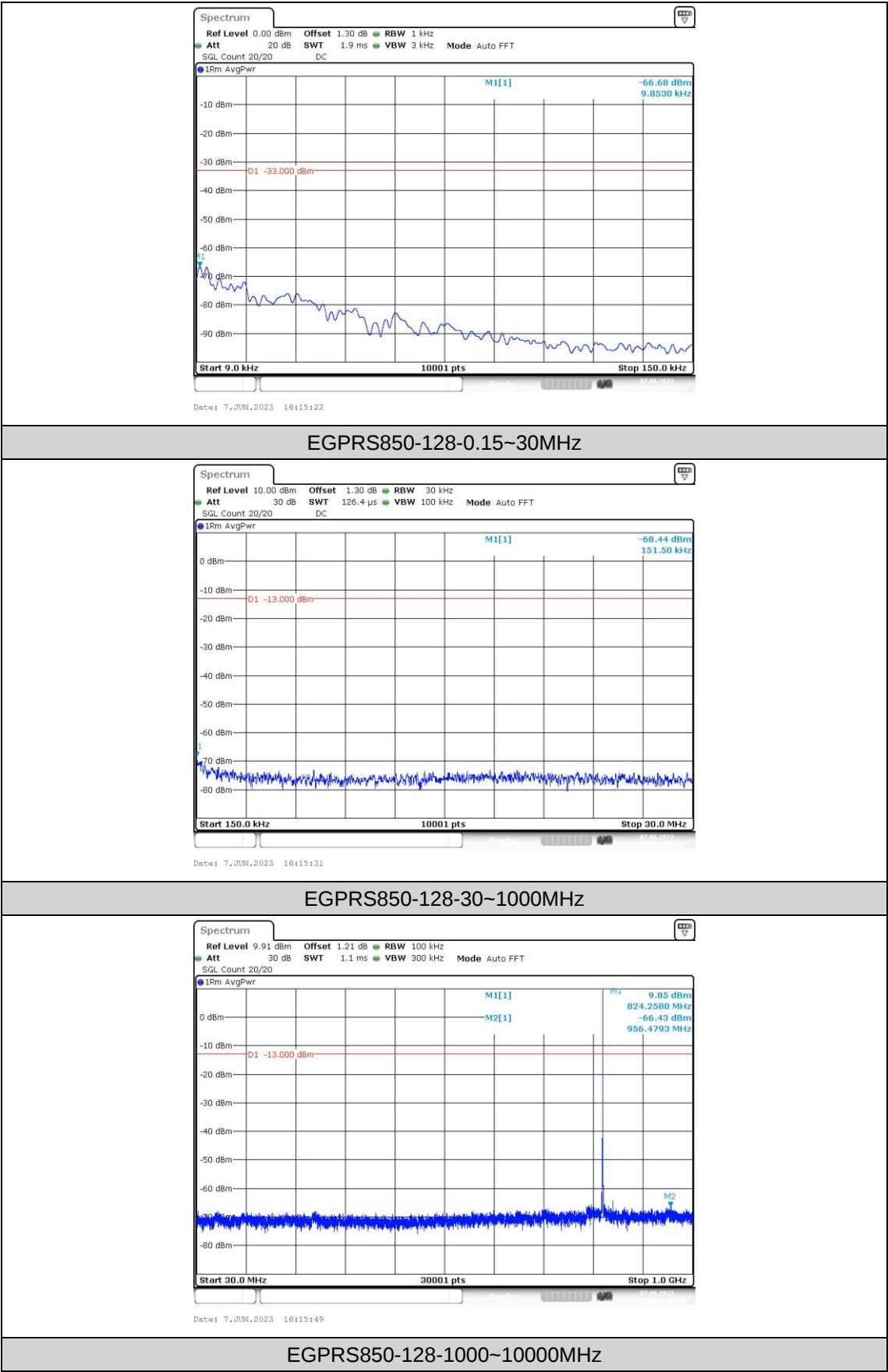


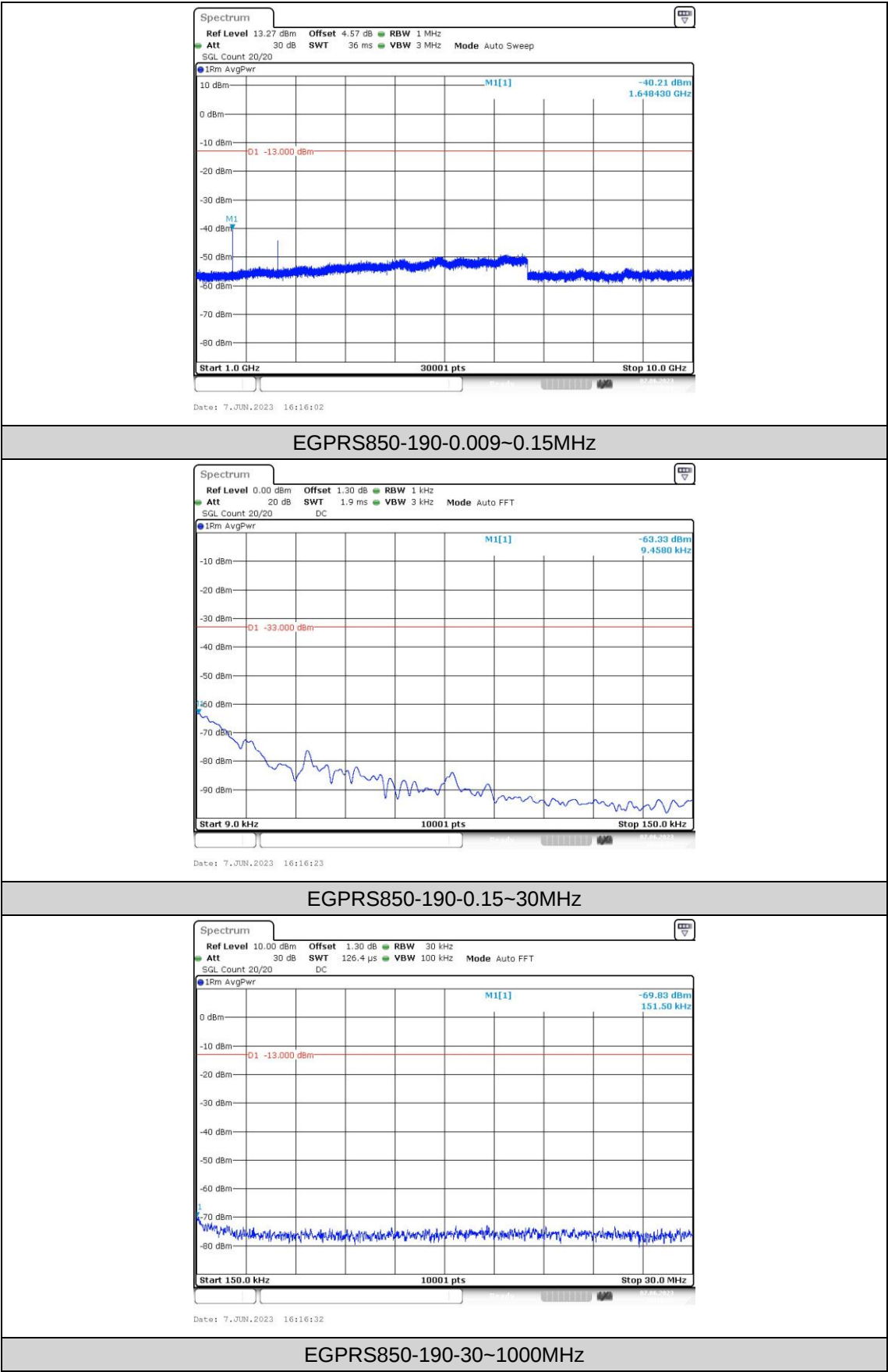


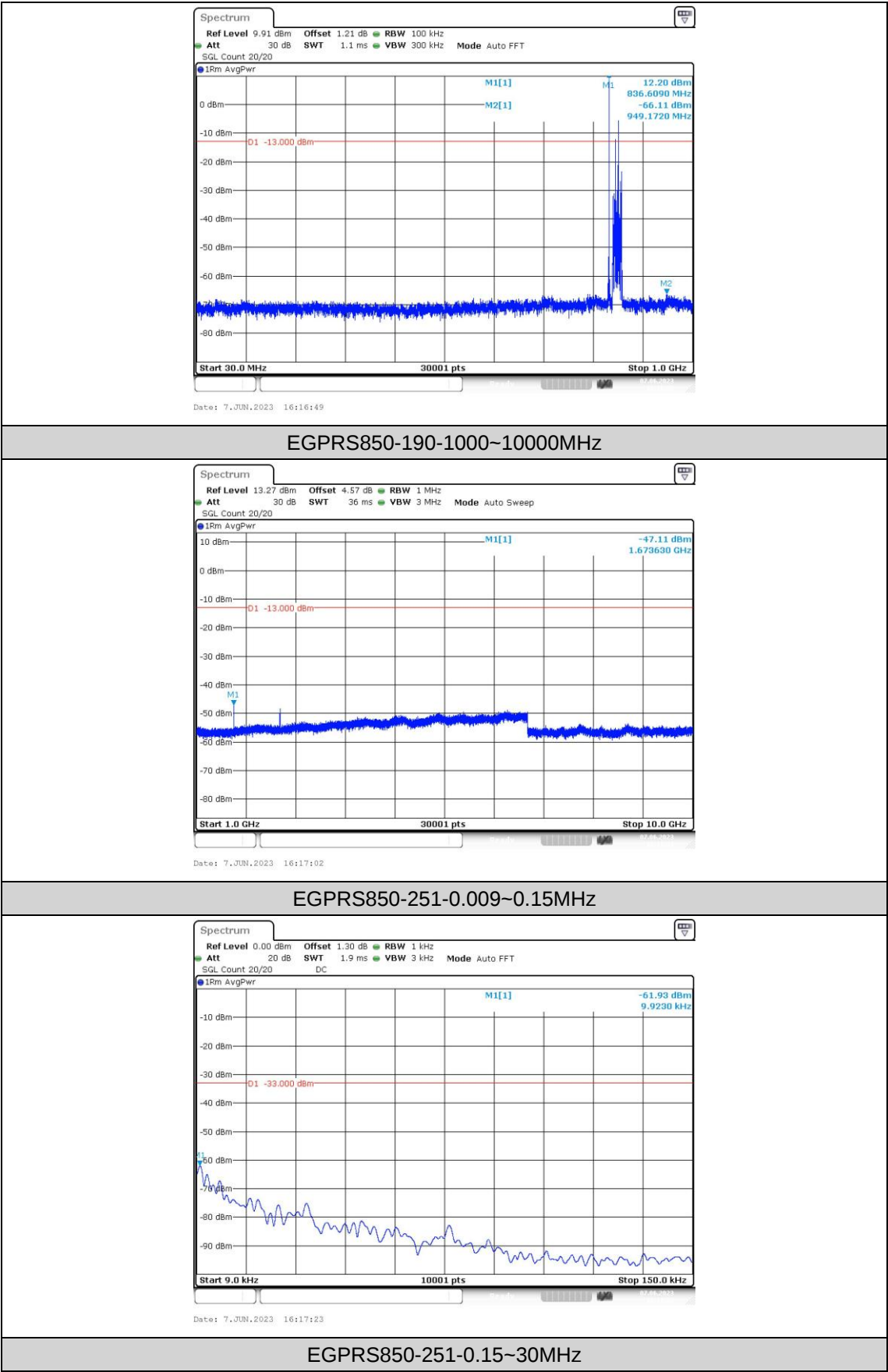


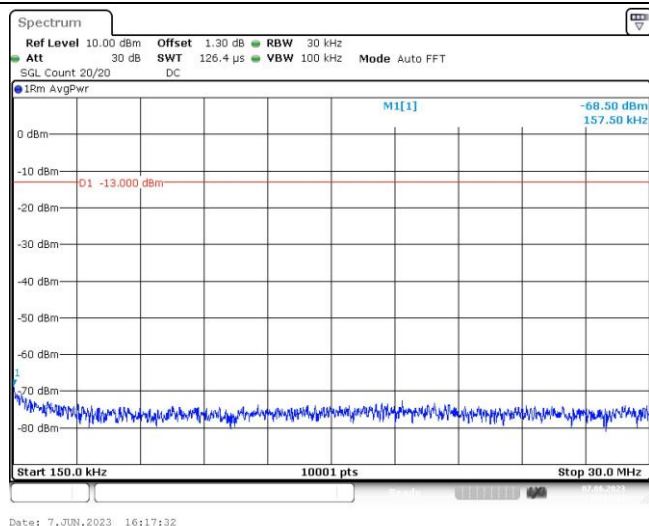




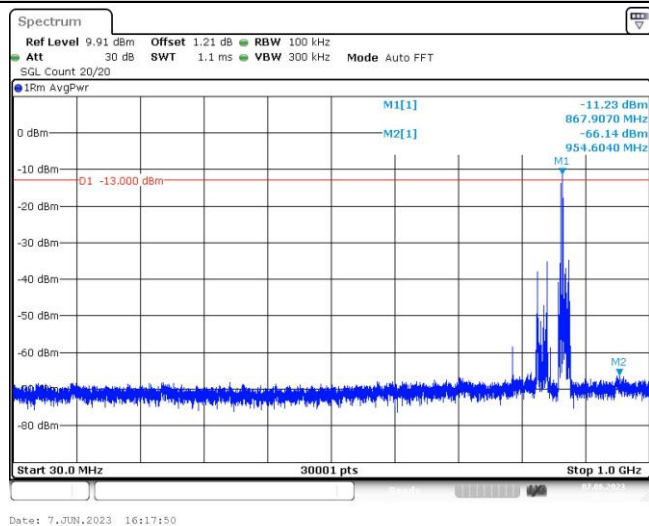




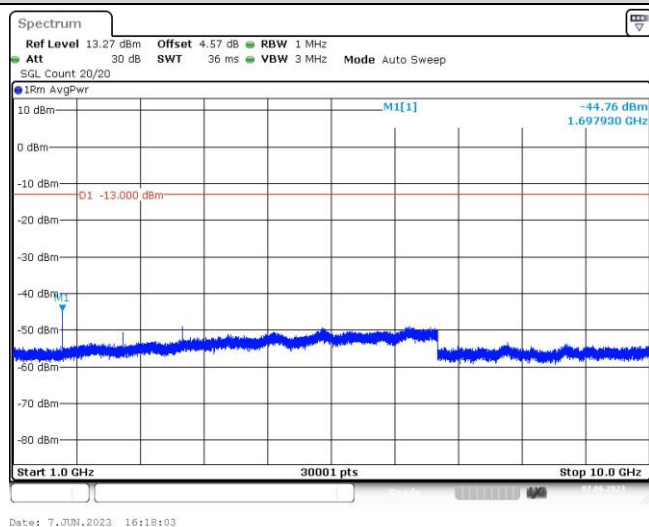




EGPRS850-251-30~1000MHz



EGPRS850-251-1000~10000MHz



GSM1900-512-0.009~0.15MHz

