

Appendix for GSM850 & 1900

Product Name: Smart Phone

Model No: X65

Appendix A: Average Power Output Data

Test Result

Band	Channel	Power(dBm)	Verdict
GSM850	128	31.96	PASS
GSM850	190	31.77	PASS
GSM850	251	31.86	PASS
GSM1900	512	28.55	PASS
GSM1900	661	28.41	PASS
GSM1900	810	28.64	PASS

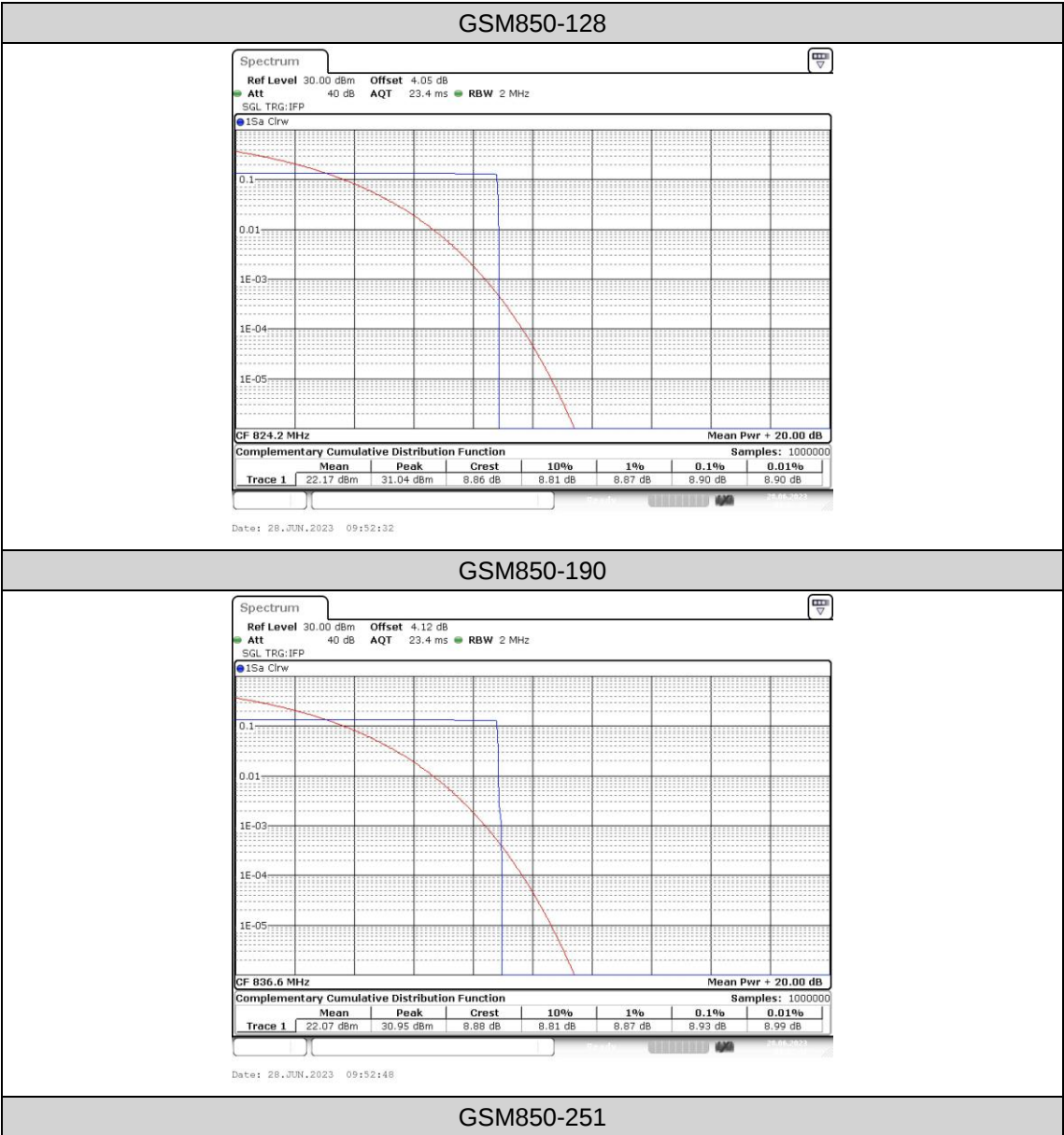
Band	Channel	Slot	Power(dBm)	Verdict
GPRS850	128	1	31.97	PASS
GPRS850	128	2	31.31	PASS
GPRS850	128	3	29.69	PASS
GPRS850	128	4	28.54	PASS
GPRS850	190	1	31.71	PASS
GPRS850	190	2	31.02	PASS
GPRS850	190	3	29.35	PASS
GPRS850	190	4	28.18	PASS
GPRS850	251	1	31.79	PASS
GPRS850	251	2	31.08	PASS
GPRS850	251	3	29.43	PASS
GPRS850	251	4	28.21	PASS
GPRS1900	512	1	28.34	PASS
GPRS1900	512	2	27.53	PASS
GPRS1900	512	3	25.80	PASS
GPRS1900	512	4	24.69	PASS
GPRS1900	661	1	28.22	PASS
GPRS1900	661	2	27.41	PASS
GPRS1900	661	3	25.67	PASS
GPRS1900	661	4	24.62	PASS
GPRS1900	810	1	28.61	PASS
GPRS1900	810	2	26.78	PASS
GPRS1900	810	3	24.99	PASS
GPRS1900	810	4	23.79	PASS

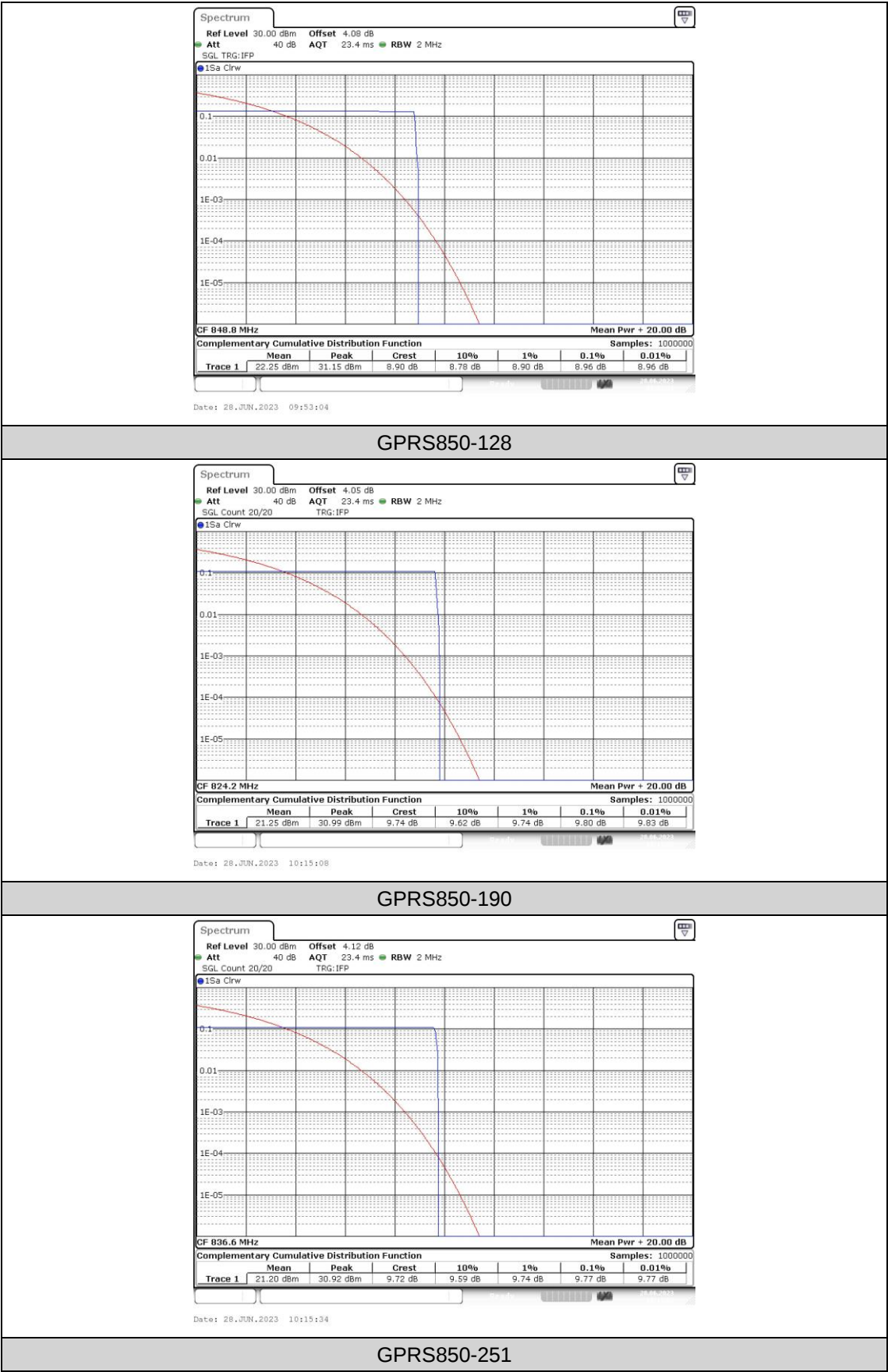
Appendix B: Peak-to-Average Ratio(CCDF)

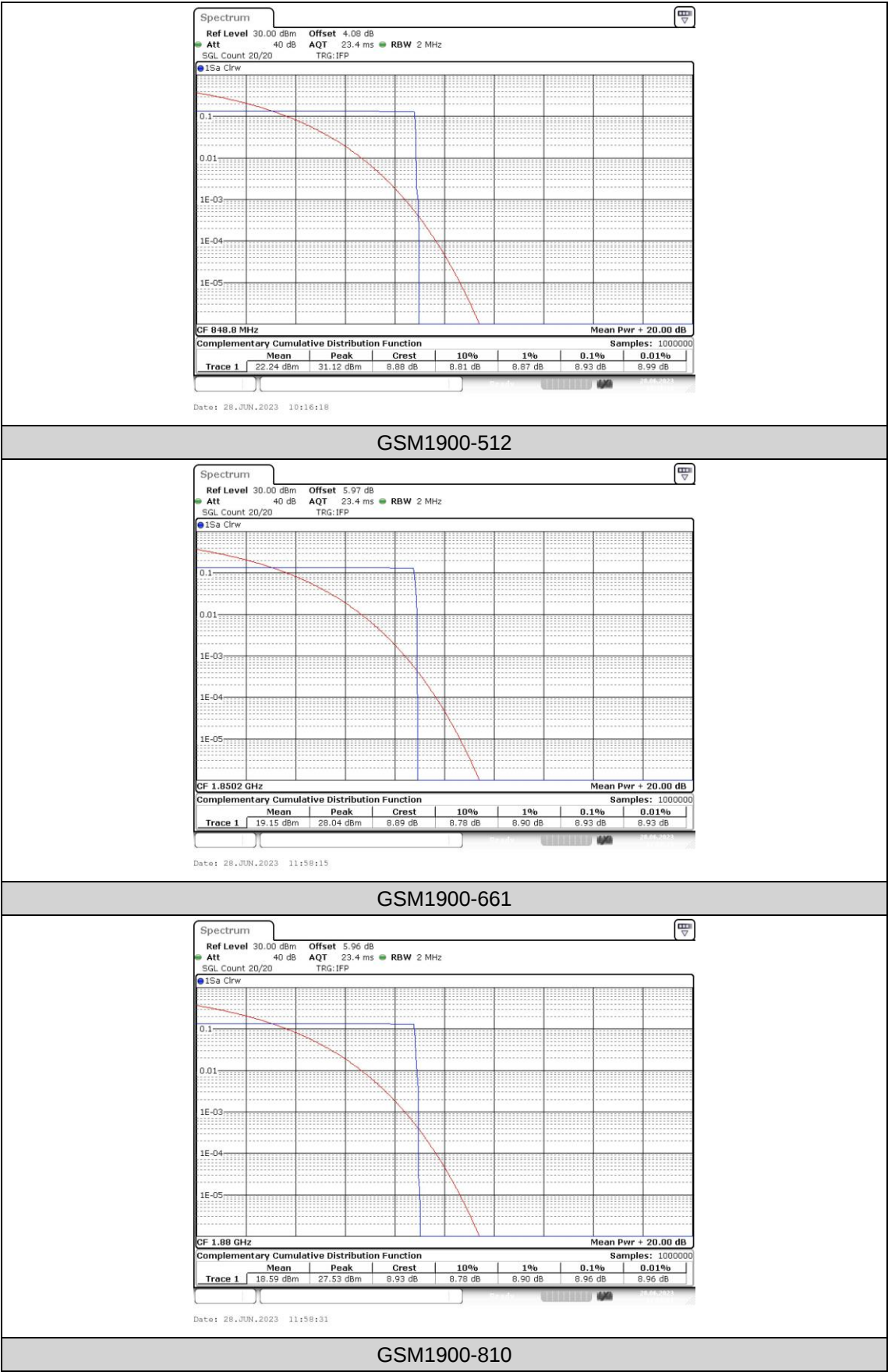
Test Result

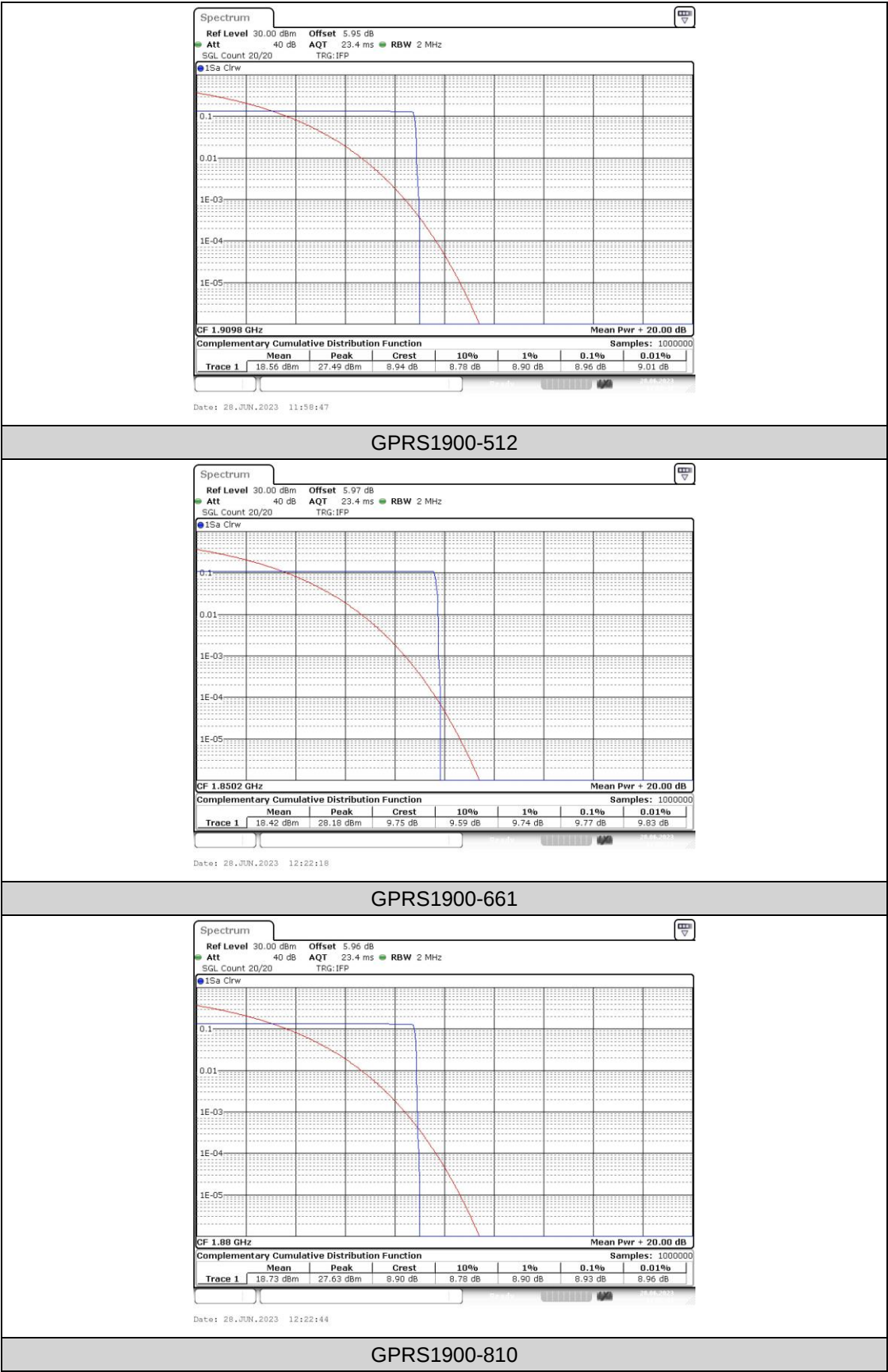
Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	128	8.90	13	PASS
GSM850	190	8.93	13	PASS
GSM850	251	8.96	13	PASS
GPRS850	128	9.80	13	PASS
GPRS850	190	9.77	13	PASS
GPRS850	251	8.93	13	PASS
GSM1900	512	8.93	13	PASS
GSM1900	661	8.96	13	PASS
GSM1900	810	8.96	13	PASS
GPRS1900	512	9.77	13	PASS
GPRS1900	661	8.93	13	PASS
GPRS1900	810	9.80	13	PASS

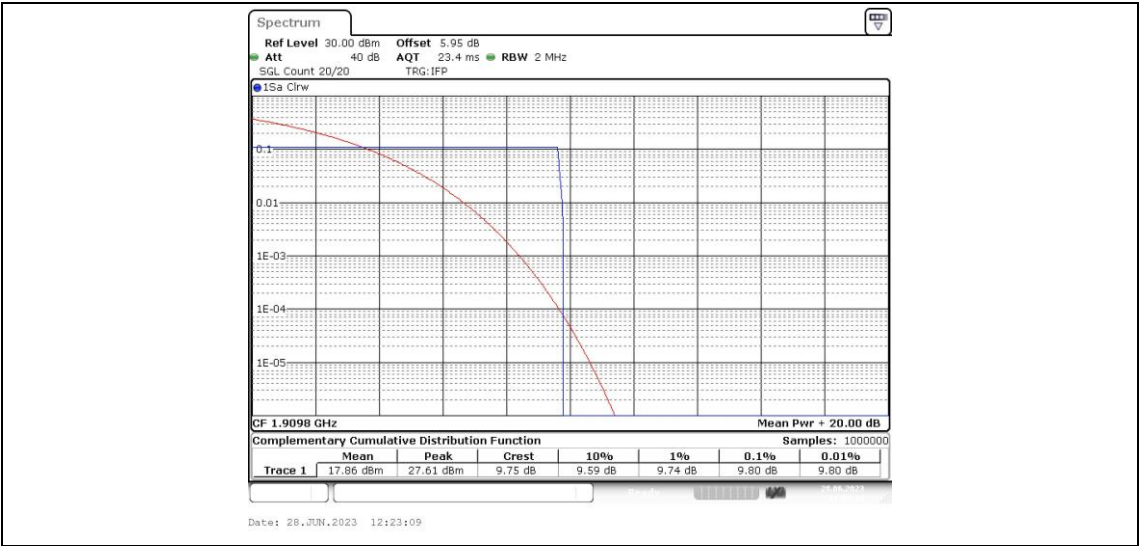
Test Graphs









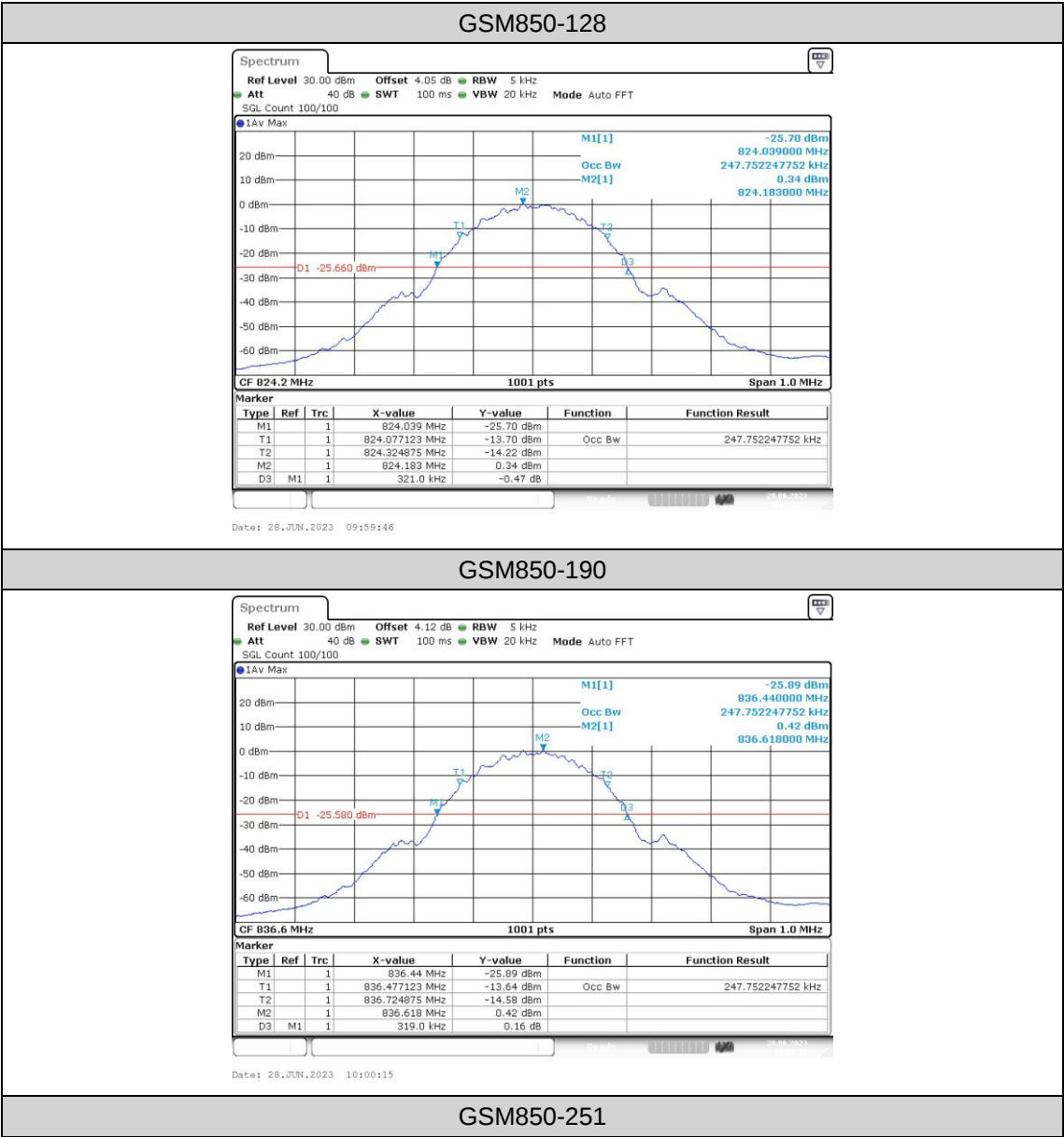


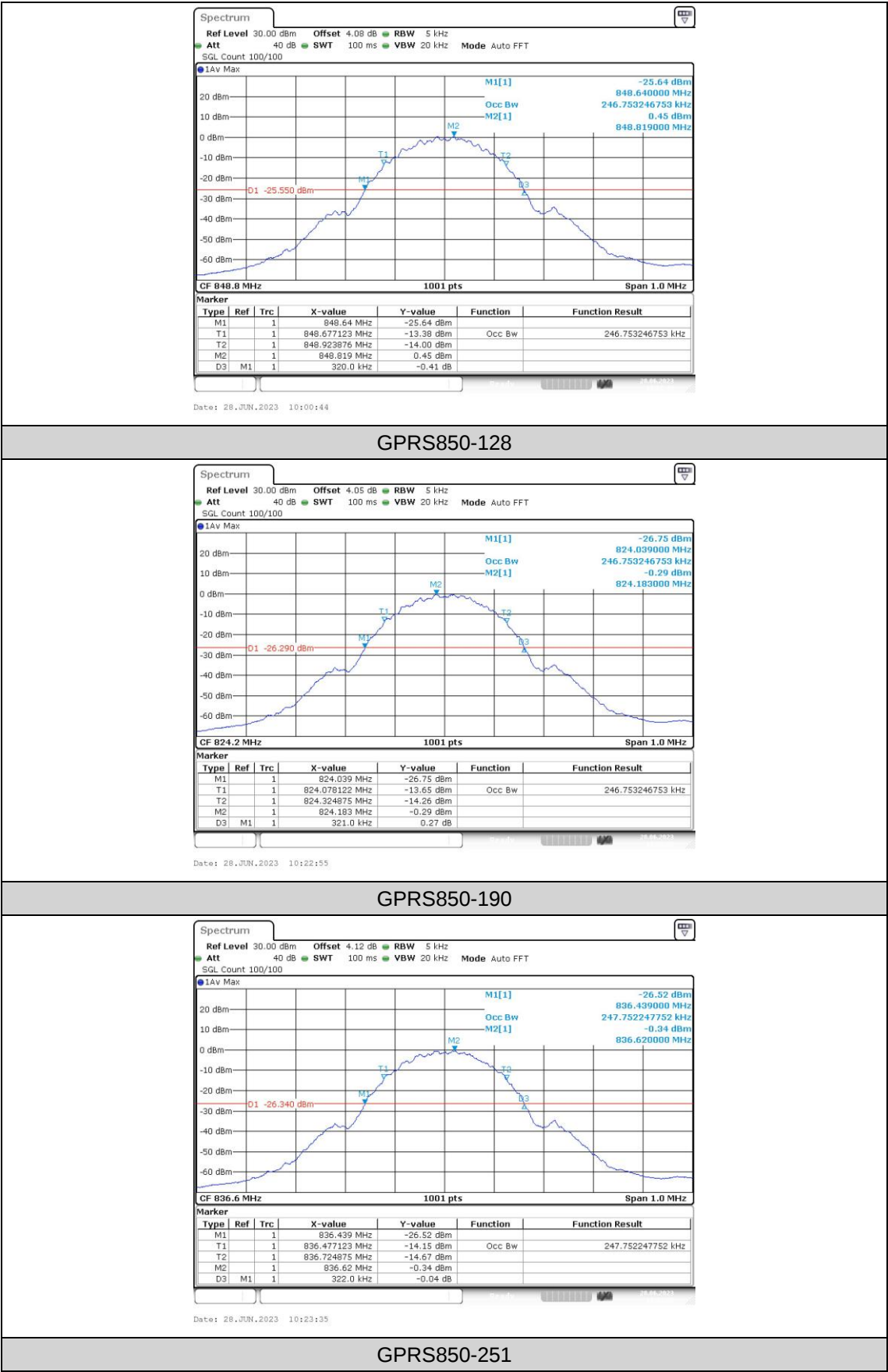
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.248	0.32	---	PASS
GSM850	190	0.248	0.32	---	PASS
GSM850	251	0.247	0.32	---	PASS
GPRS850	128	0.247	0.32	---	PASS
GPRS850	190	0.248	0.32	---	PASS
GPRS850	251	0.246	0.32	---	PASS
GSM1900	512	0.244	0.31	---	PASS
GSM1900	661	0.245	0.31	---	PASS
GSM1900	810	0.244	0.31	---	PASS
GPRS1900	512	0.242	0.32	---	PASS
GPRS1900	661	0.245	0.32	---	PASS
GPRS1900	810	0.244	0.32	---	PASS

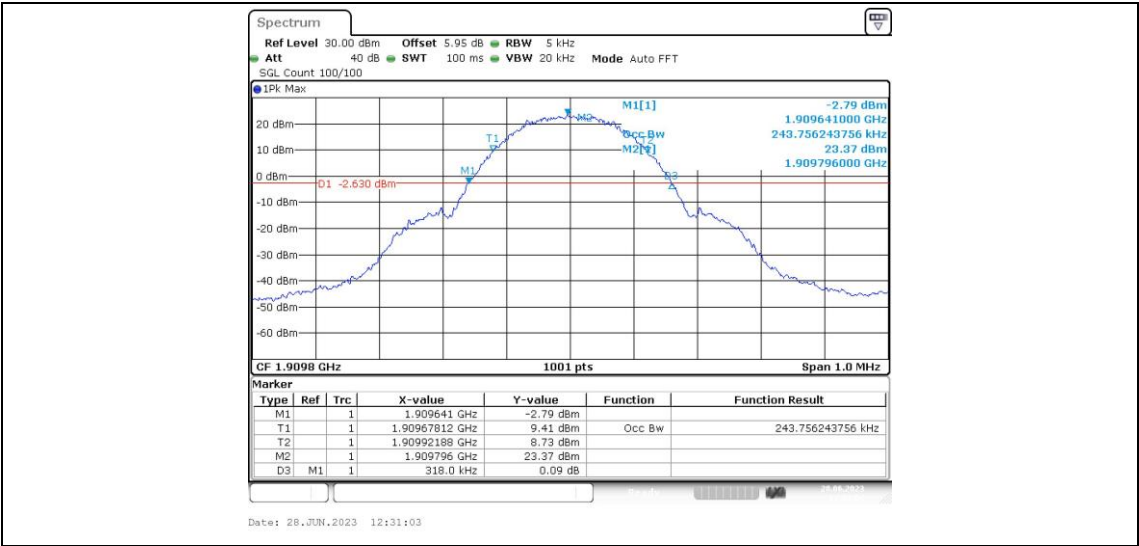
Test Graphs









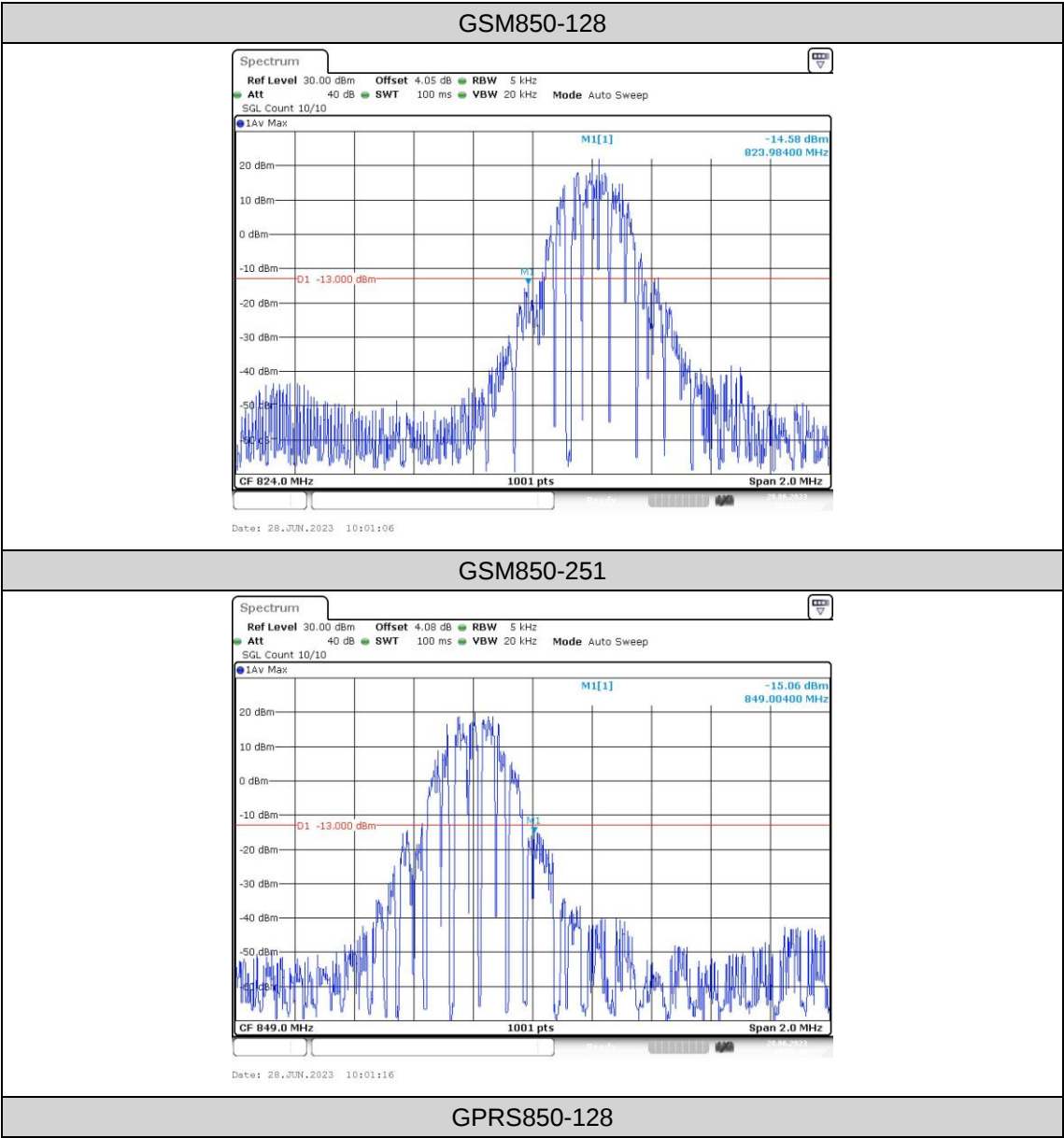


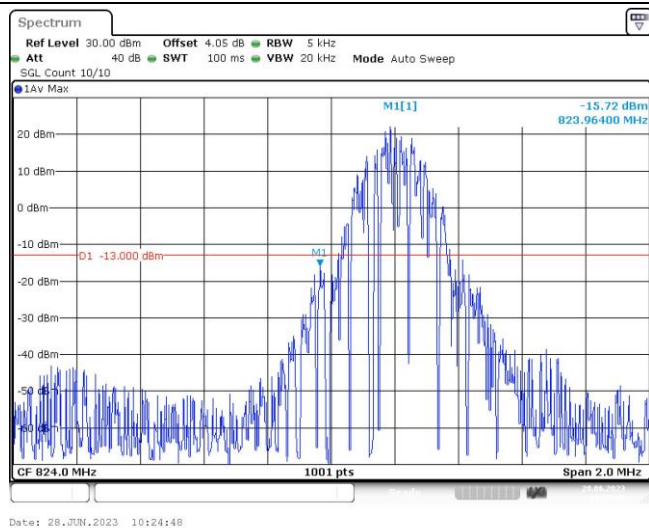
Appendix D: Band Edge

Test Result

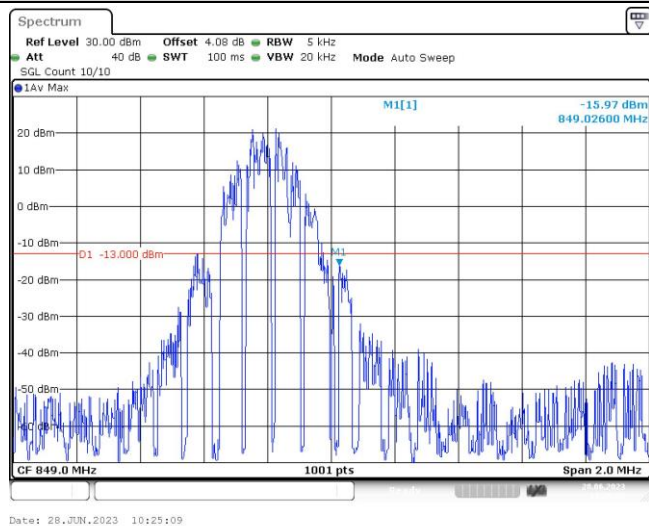
Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	823.98	-14.58	-13	PASS
GSM850	251	849.00	-15.06	-13	PASS
GPRS850	128	823.96	-15.72	-13	PASS
GPRS850	251	849.03	-15.97	-13	PASS
GSM1900	512	1849.99	-20.45	-13	PASS
GSM1900	810	1910.02	-21.94	-13	PASS
GPRS1900	512	1849.98	-20.59	-13	PASS
GPRS1900	810	1910.02	-21.56	-13	PASS

Test Graphs

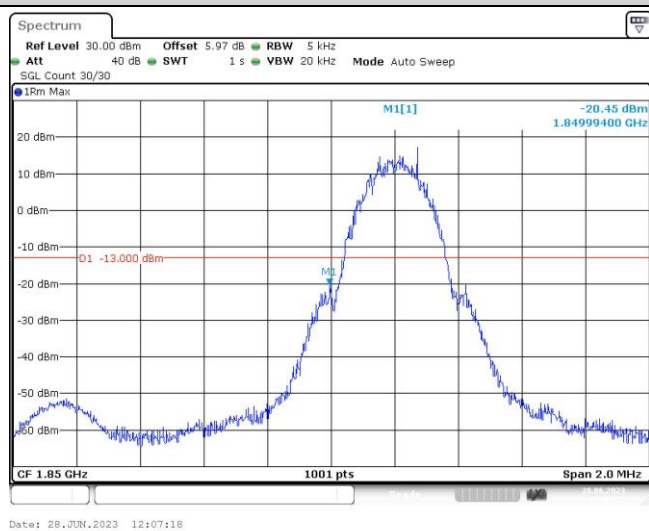




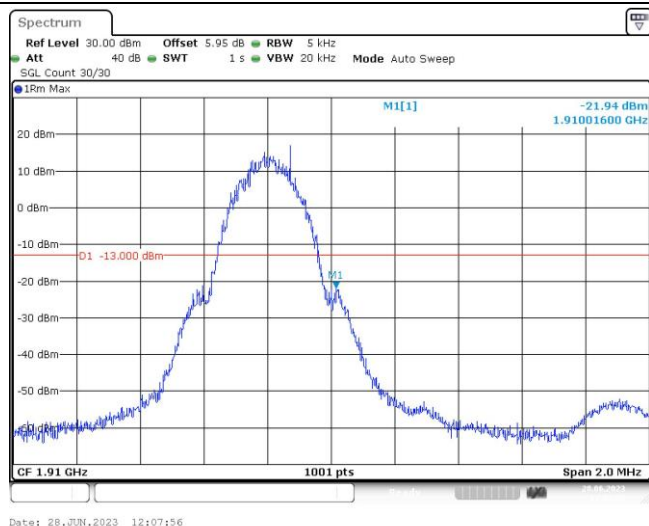
GPRS850-251



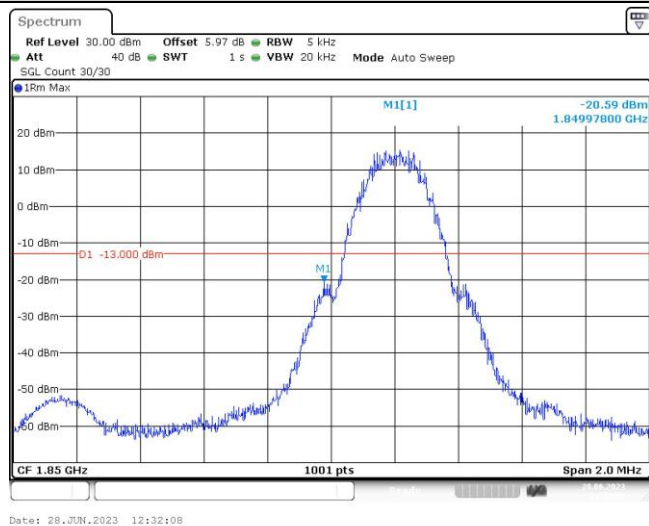
GSM1900-512



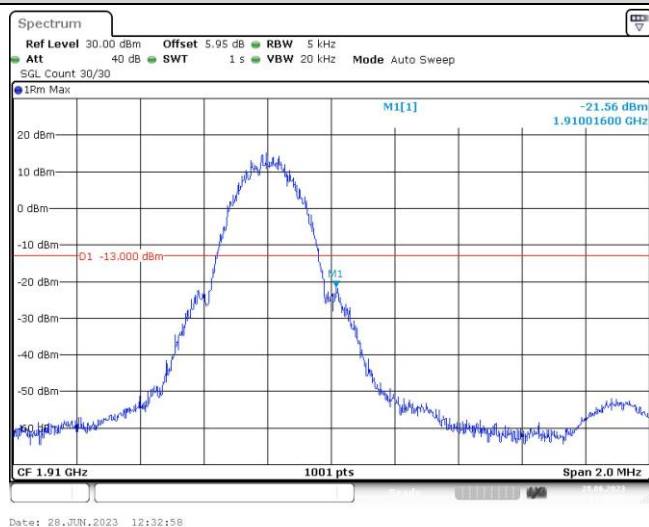
GSM1900-810



GPRS1900-512



GPRS1900-810



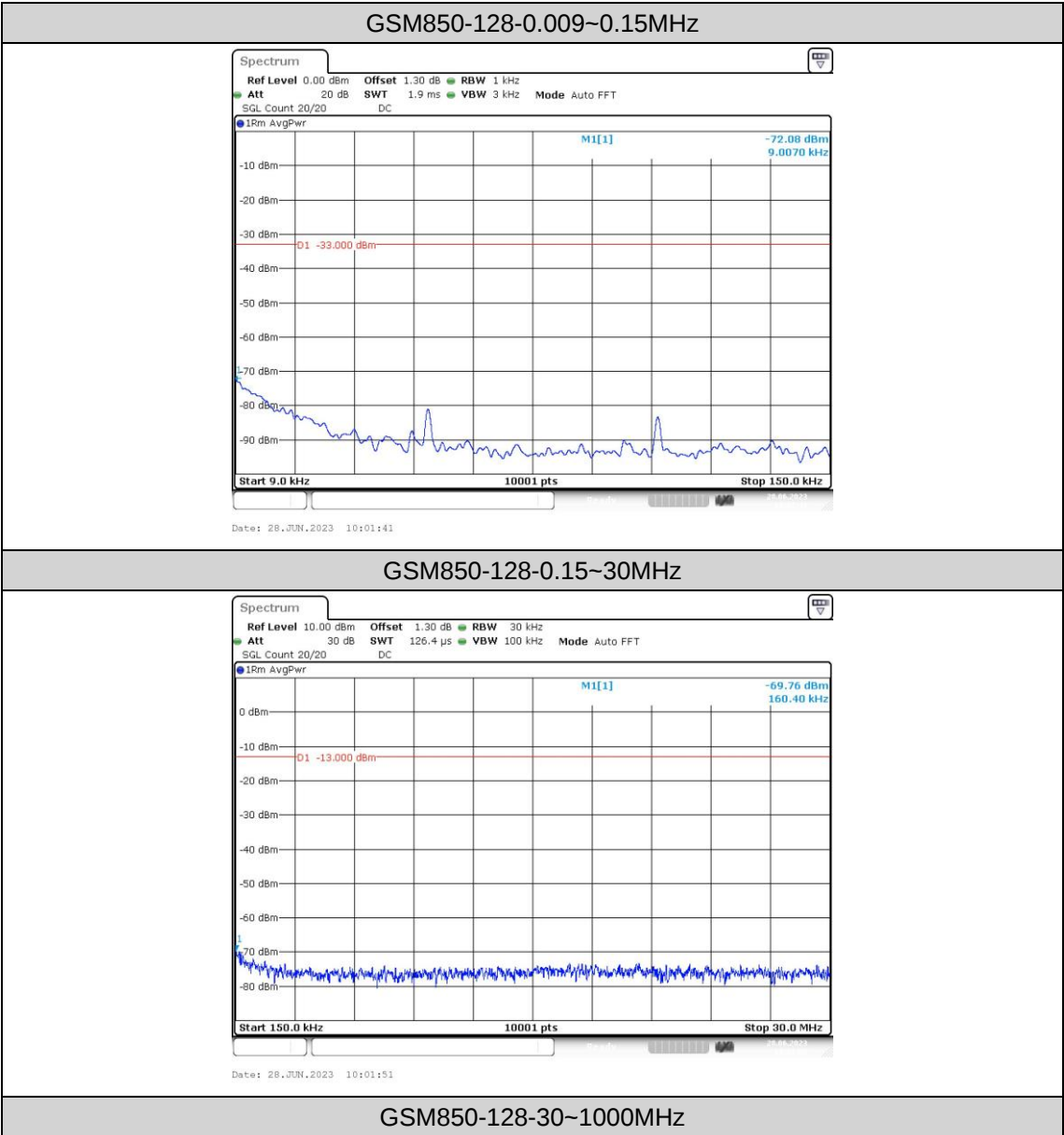
Appendix E: Conducted Spurious Emission

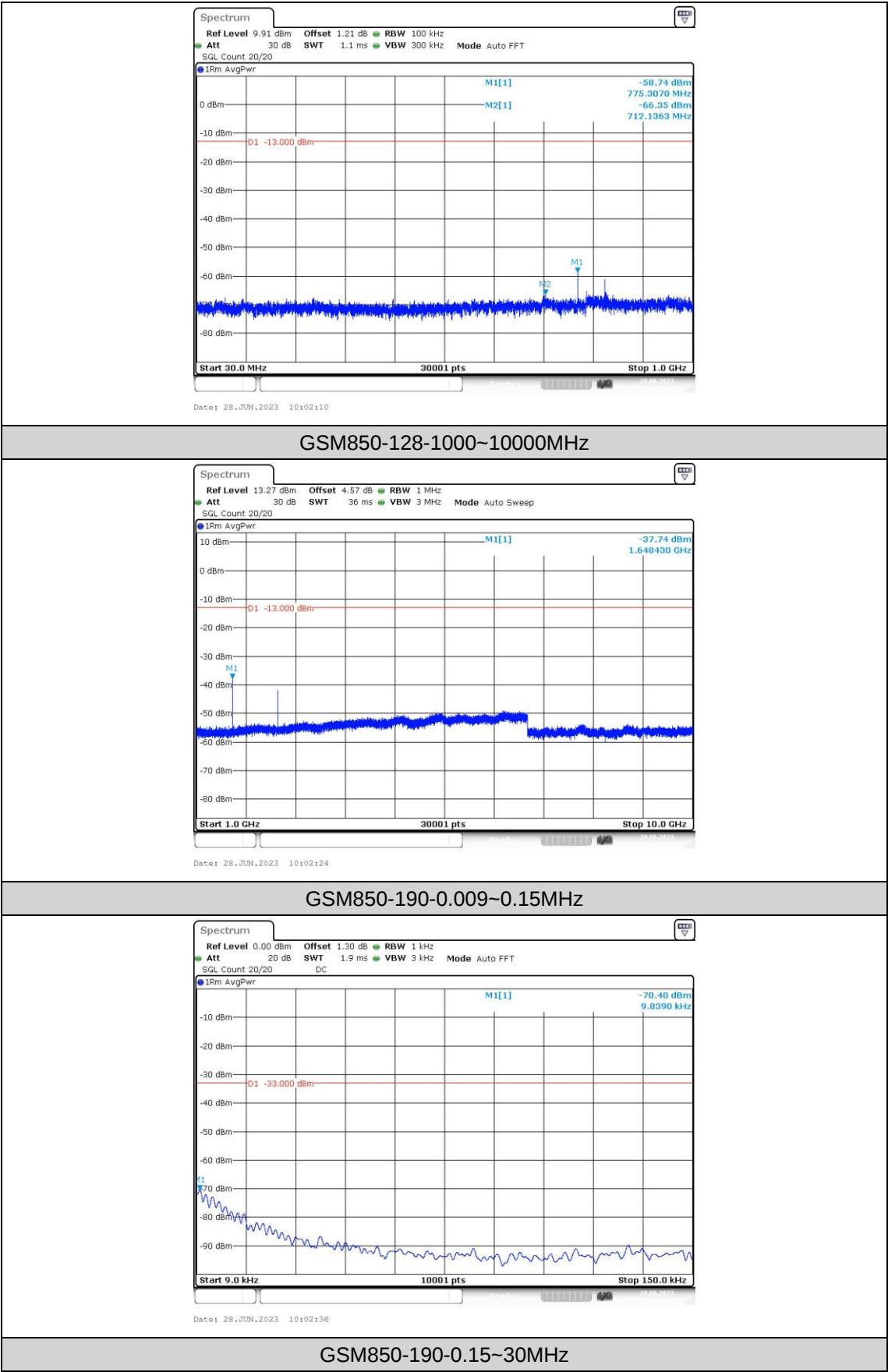
Test Result

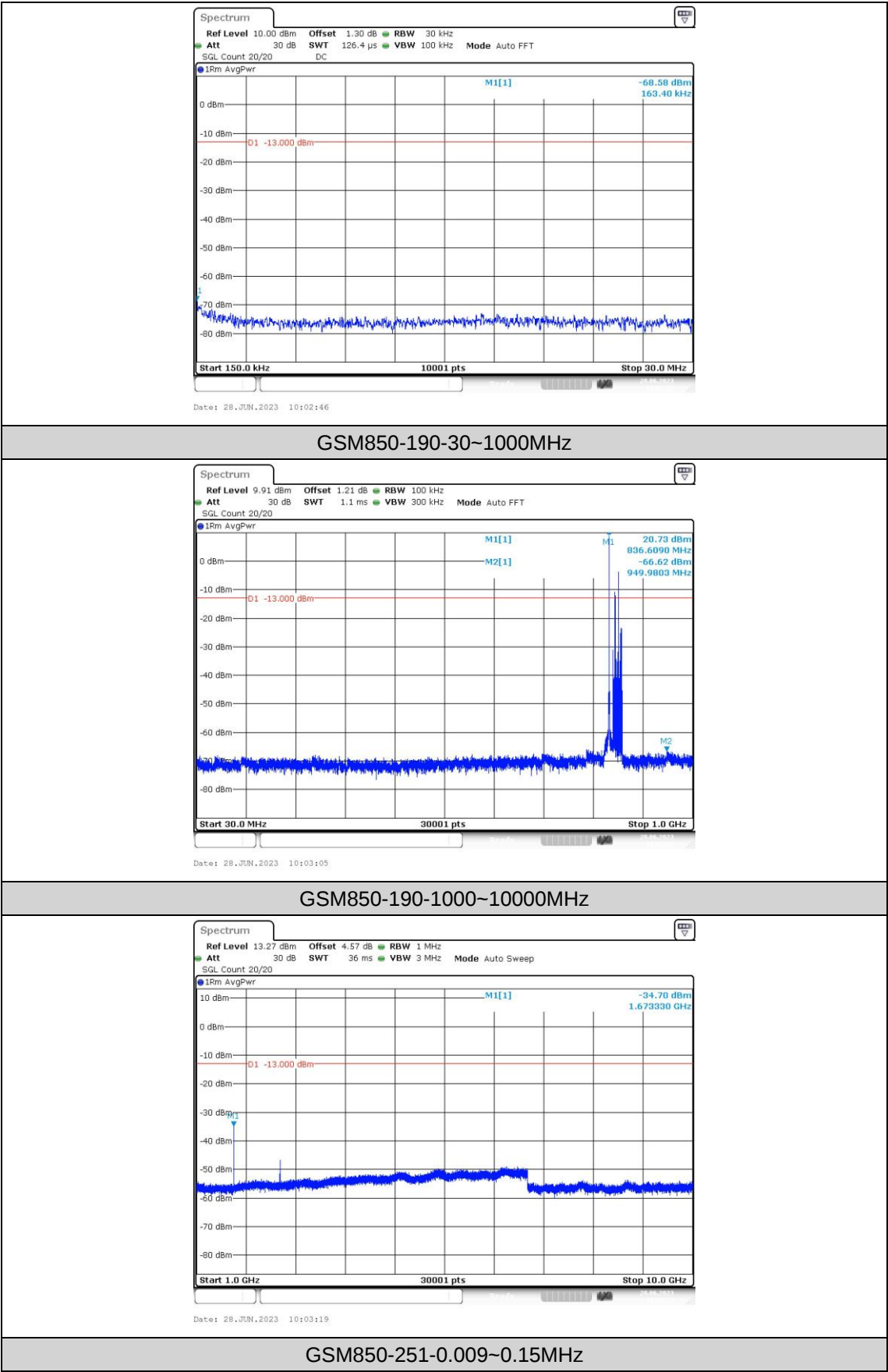
Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM850	128	0.009~0.15MHz	0.01	-72.08	-33	PASS
GSM850	128	0.15~30MHz	0.16	-69.76	-13	PASS
GSM850	128	30~1000MHz	712.14	-66.35	-13	PASS
GSM850	128	1000~10000MHz	1648.43	-37.74	-13	PASS
GSM850	190	0.009~0.15MHz	0.01	-70.4	-33	PASS
GSM850	190	0.15~30MHz	0.16	-68.58	-13	PASS
GSM850	190	30~1000MHz	949.98	-66.62	-13	PASS
GSM850	190	1000~10000MHz	1673.33	-34.7	-13	PASS
GSM850	251	0.009~0.15MHz	0.01	-68.51	-33	PASS
GSM850	251	0.15~30MHz	0.24	-70.73	-13	PASS
GSM850	251	30~1000MHz	952.76	-66.65	-13	PASS
GSM850	251	1000~10000MHz	2546.6	-43.43	-13	PASS
GPRS850	128	0.009~0.15MHz	0.01	-76.7	-33	PASS
GPRS850	128	0.15~30MHz	0.15	-68.54	-13	PASS
GPRS850	128	30~1000MHz	954.51	-66.11	-13	PASS
GPRS850	128	1000~10000MHz	1648.43	-37.48	-13	PASS
GPRS850	190	0.009~0.15MHz	0.01	-68.53	-33	PASS
GPRS850	190	0.15~30MHz	0.15	-68.63	-13	PASS
GPRS850	190	30~1000MHz	952.57	-66.36	-13	PASS
GPRS850	190	1000~10000MHz	1673.33	-41.35	-13	PASS
GPRS850	251	0.009~0.15MHz	0.01	-66.44	-33	PASS
GPRS850	251	0.15~30MHz	0.2	-70.4	-13	PASS
GPRS850	251	30~1000MHz	948.95	-66.56	-13	PASS
GPRS850	251	1000~10000MHz	1697.93	-38.36	-13	PASS
GSM1900	512	0.009~0.15MHz	0.01	-56.94	-43	PASS
GSM1900	512	0.15~30MHz	0.23	-69.06	-23	PASS
GSM1900	512	30~1000MHz	867.81	-56.89	-13	PASS
GSM1900	512	1000~18000MHz	3700.17	-39.17	-13	PASS
GSM1900	661	0.009~0.15MHz	0.01	-56.32	-43	PASS
GSM1900	661	0.15~30MHz	0.18	-69.58	-23	PASS
GSM1900	661	30~1000MHz	777.83	-56.59	-13	PASS
GSM1900	661	1000~18000MHz	3759.67	-43.93	-13	PASS
GSM1900	810	0.009~0.15MHz	0.01	-56.7	-43	PASS
GSM1900	810	0.15~30MHz	0.15	-68.48	-23	PASS
GSM1900	810	30~1000MHz	960.25	-57.03	-13	PASS

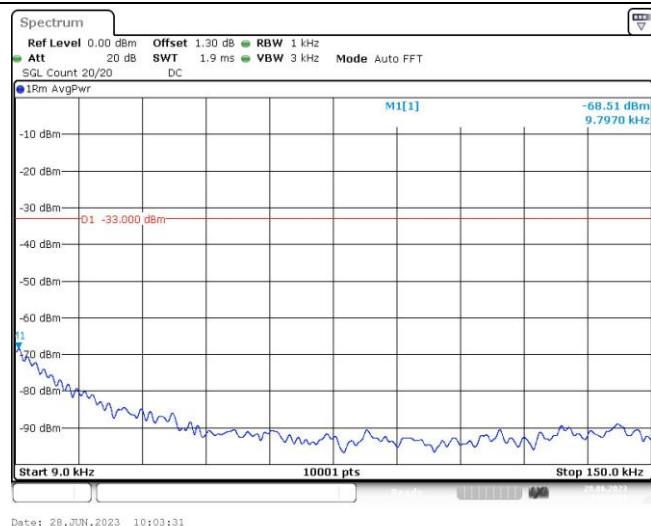
GSM1900	810	1000~18000MHz	6667.8	-49.52	-13	PASS
GPRS1900	512	0.009~0.15MHz	0.01	-56	-43	PASS
GPRS1900	512	0.15~30MHz	0.15	-69.28	-23	PASS
GPRS1900	512	30~1000MHz	896.36	-56.15	-13	PASS
GPRS1900	512	1000~18000MHz	3700.17	-44.68	-13	PASS
GPRS1900	661	0.009~0.15MHz	0.01	-59.85	-43	PASS
GPRS1900	661	0.15~30MHz	0.15	-69.12	-23	PASS
GPRS1900	661	30~1000MHz	895.49	-56.87	-13	PASS
GPRS1900	661	1000~18000MHz	3759.67	-43.09	-13	PASS
GPRS1900	810	0.009~0.15MHz	0.01	-57.58	-43	PASS
GPRS1900	810	0.15~30MHz	0.3	-70.43	-23	PASS
GPRS1900	810	30~1000MHz	829.98	-57.06	-13	PASS
GPRS1900	810	1000~18000MHz	3819.73	-40.58	-13	PASS

Test Graphs

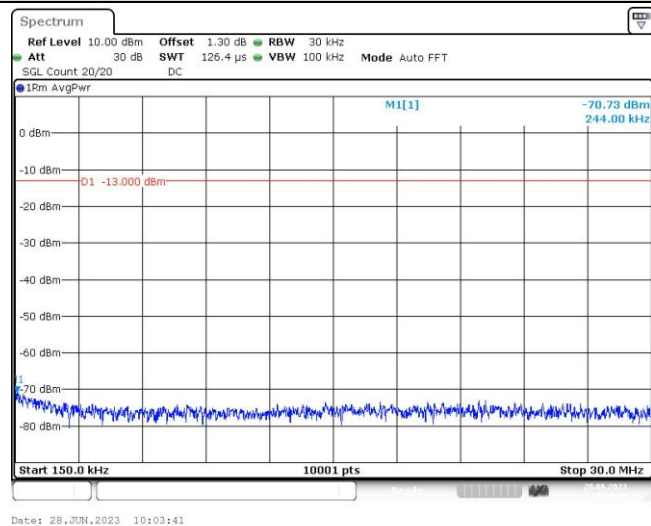




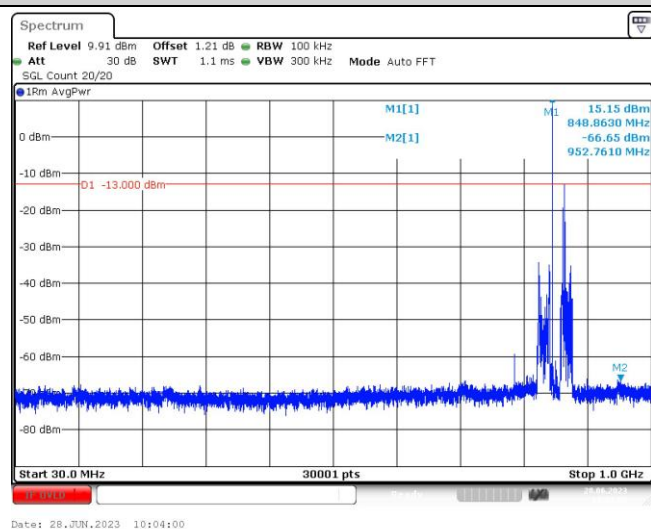




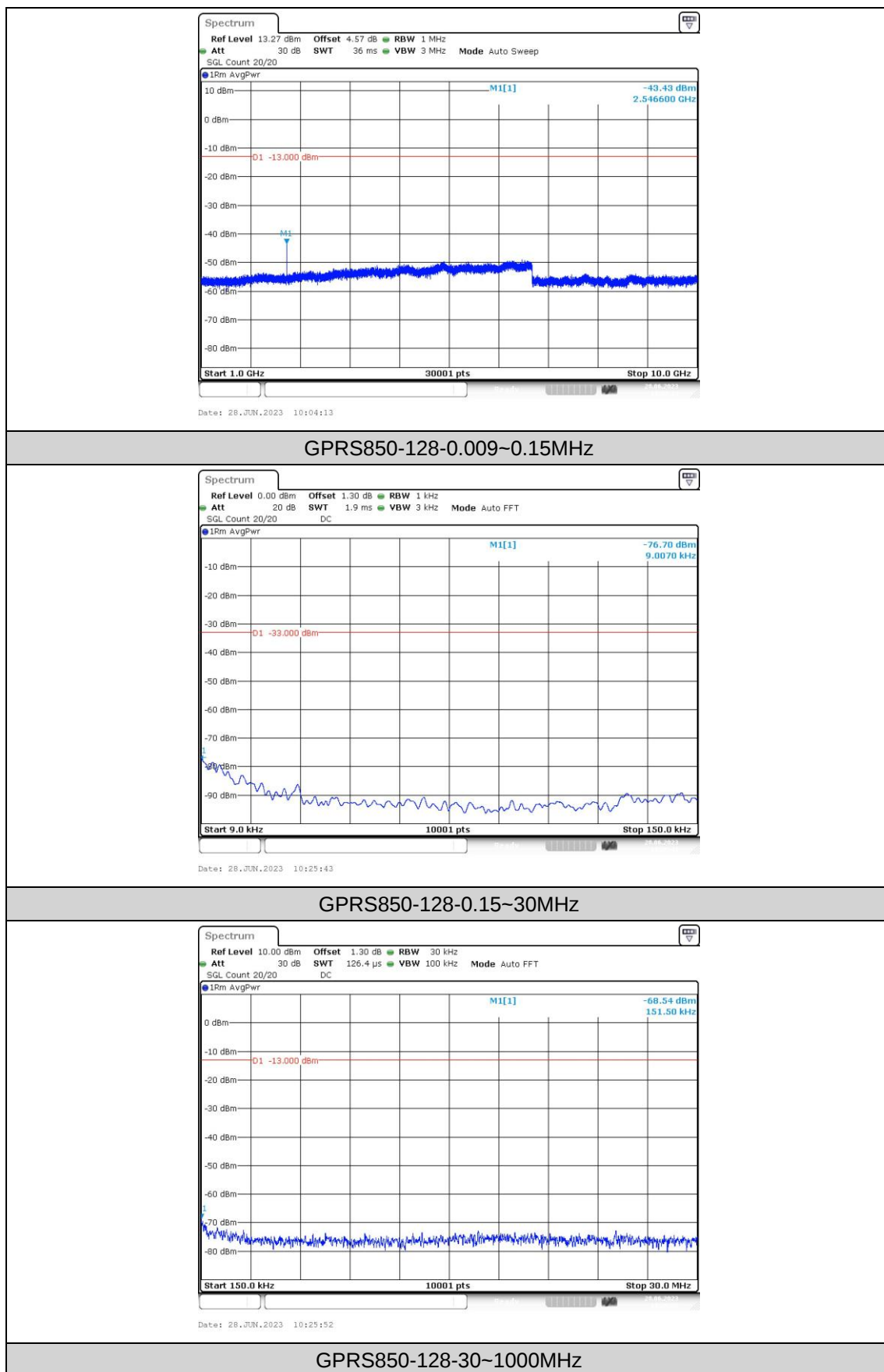
GSM850-251-0.15~30MHz

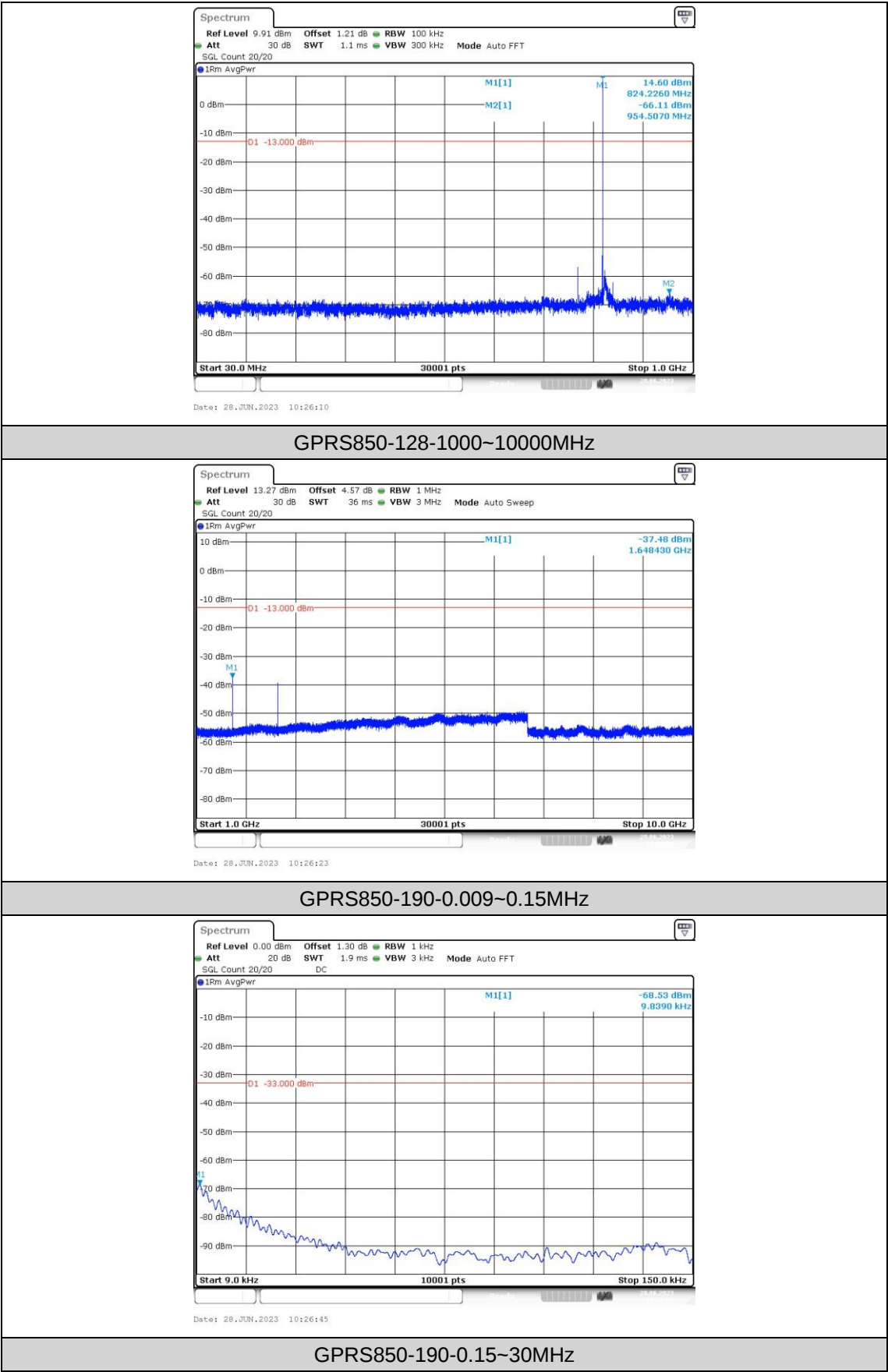


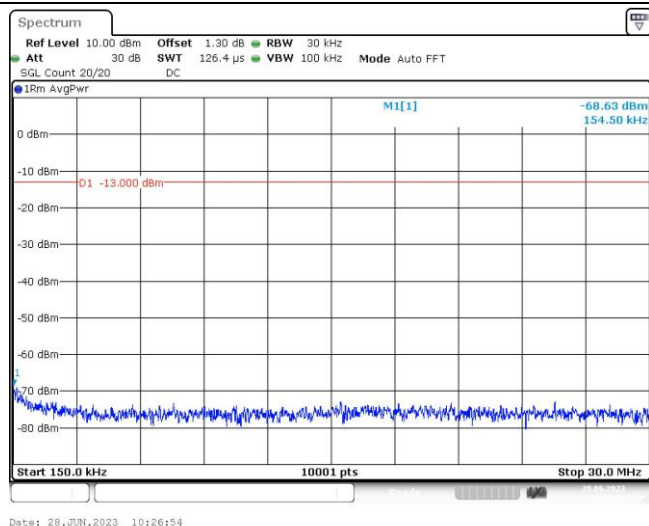
GSM850-251-30~1000MHz



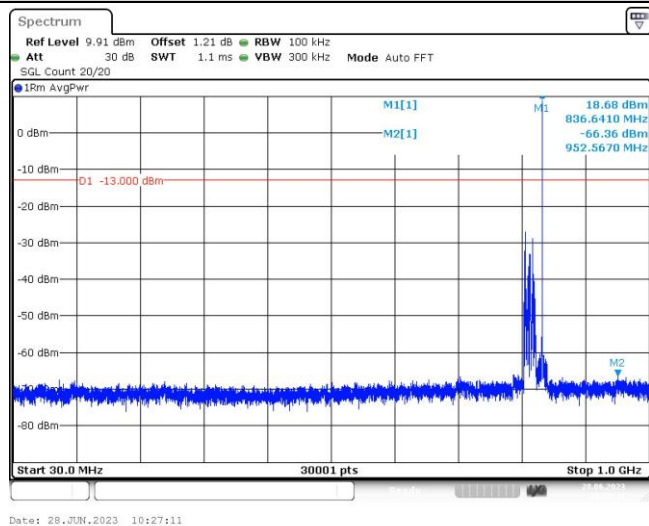
GSM850-251-1000~10000MHz



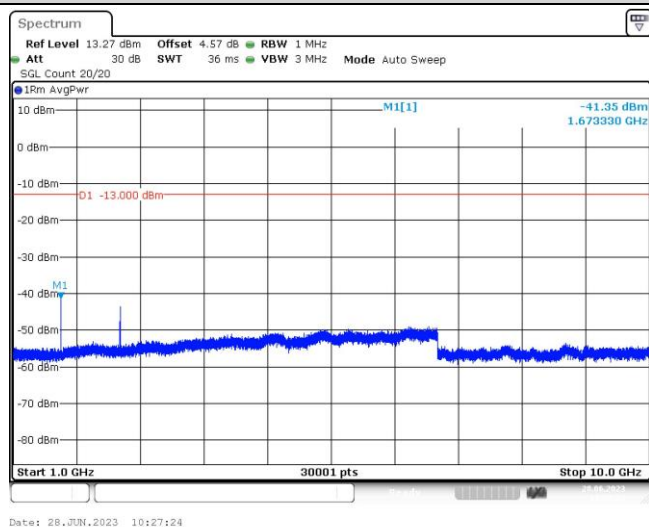




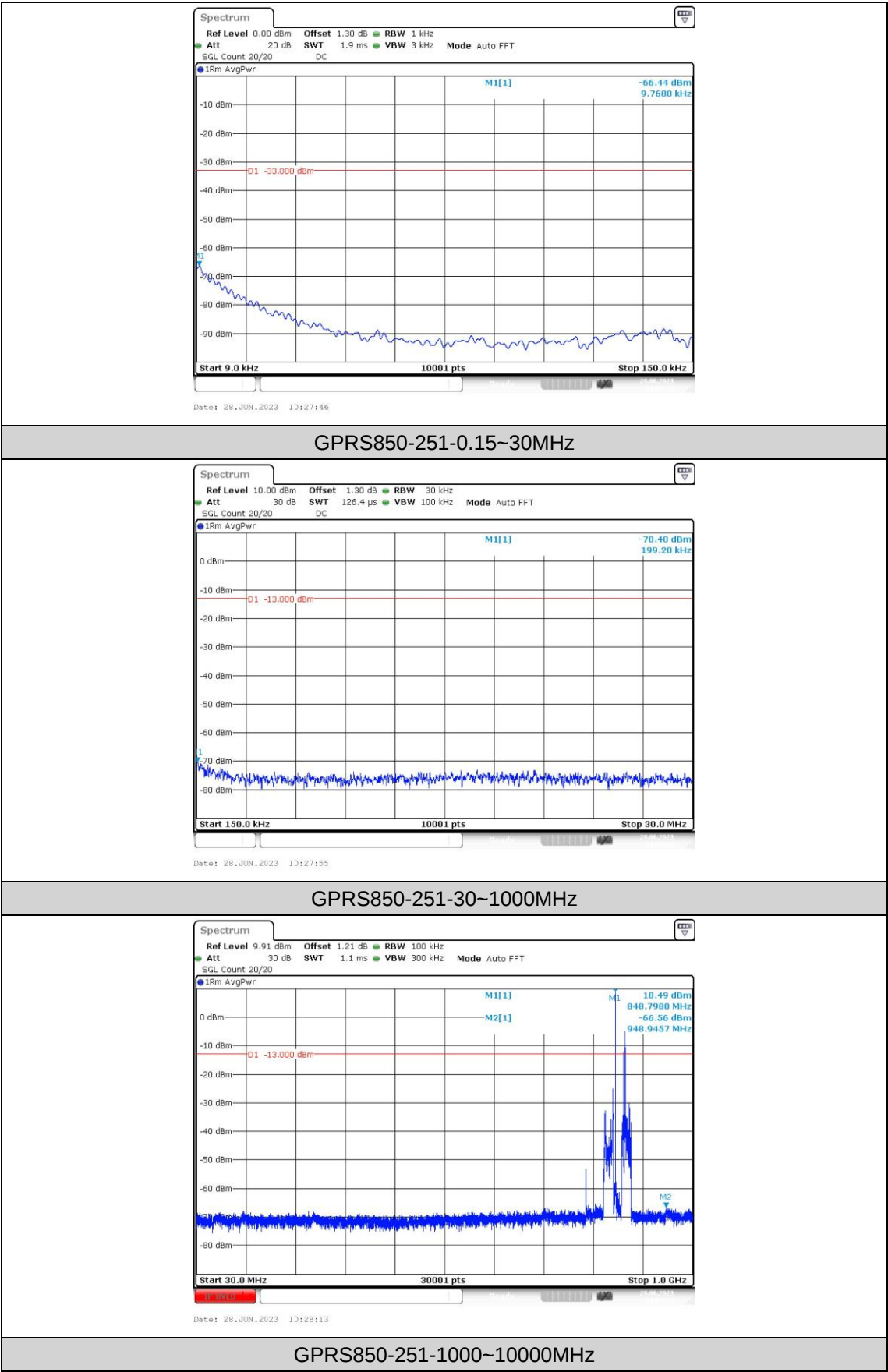
GPRS850-190-30~1000MHz

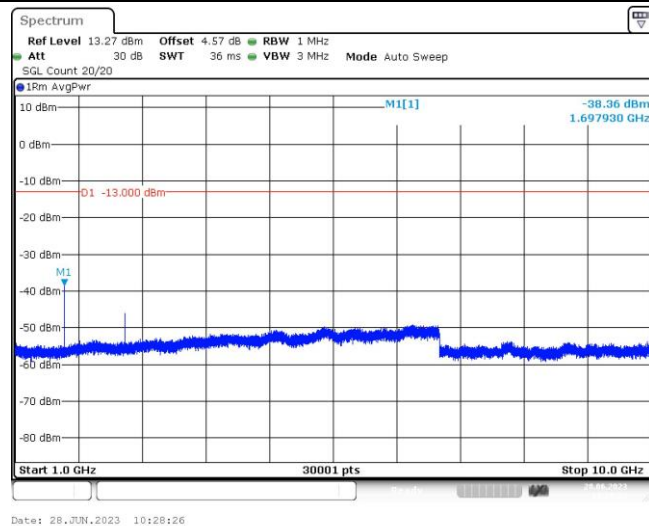


GPRS850-190-1000~10000MHz

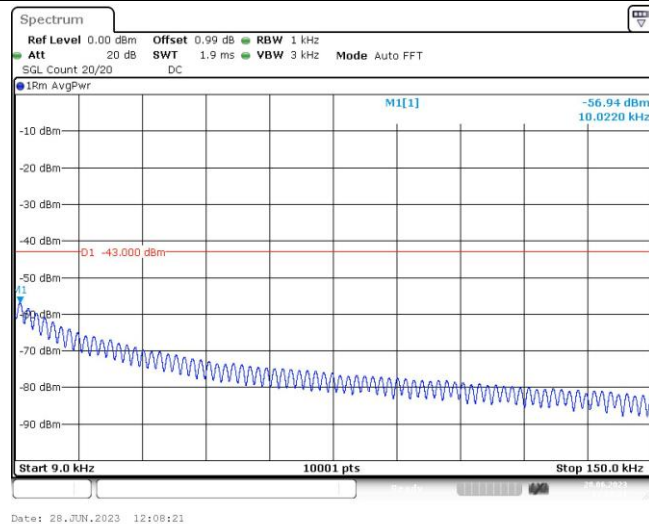


GPRS850-251-0.009~0.15MHz

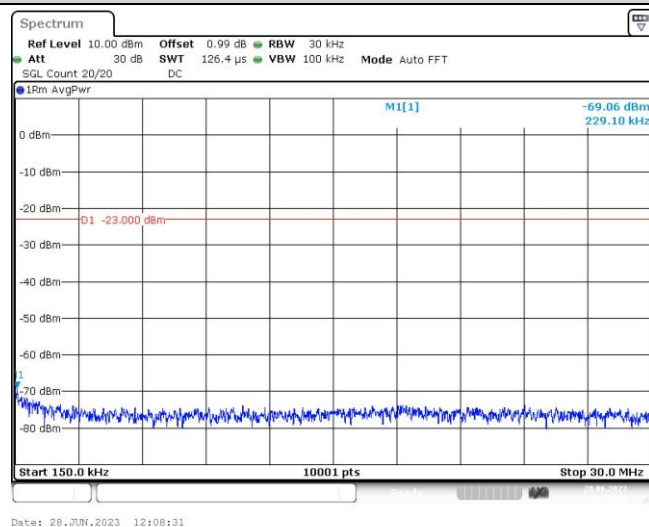




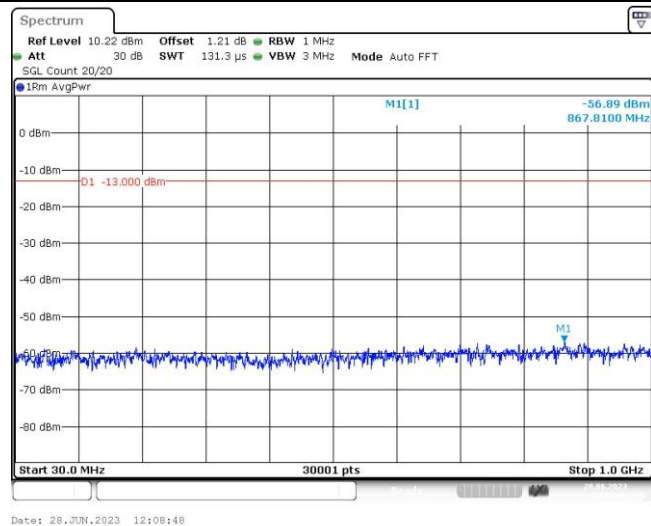
GSM1900-512-0.009~0.15MHz



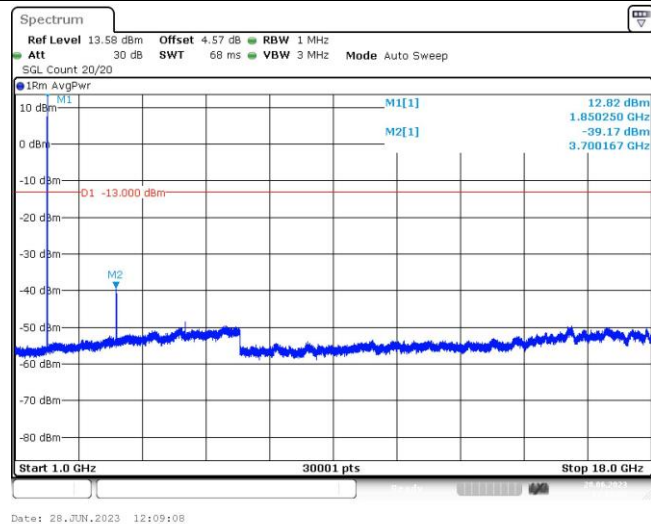
GSM1900-512-0.15~30MHz



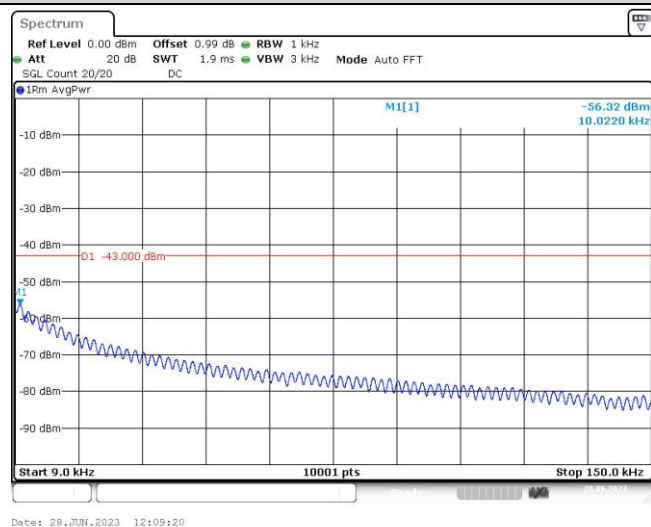
GSM1900-512-30~1000MHz



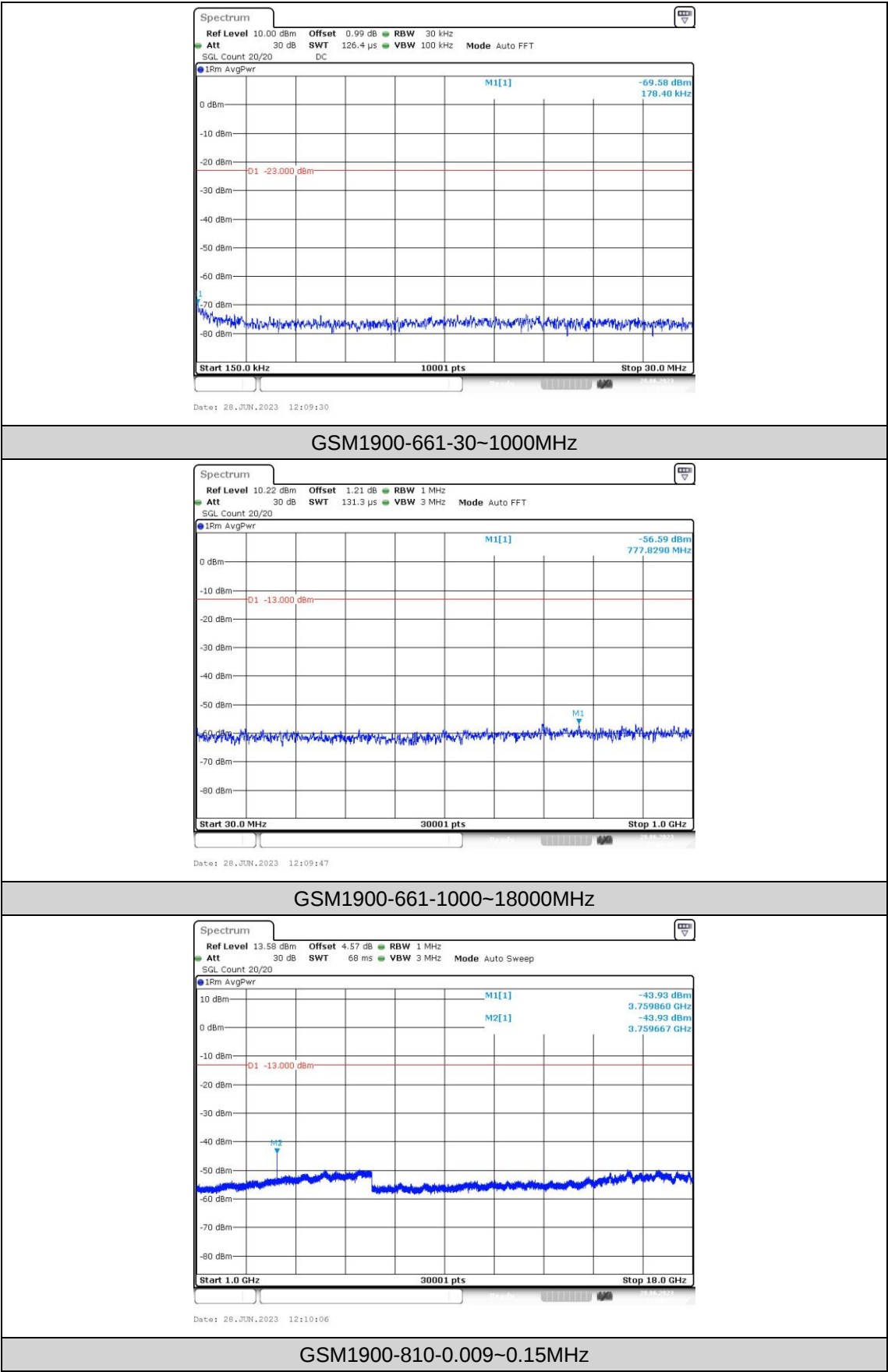
GSM1900-512-1000~18000MHz

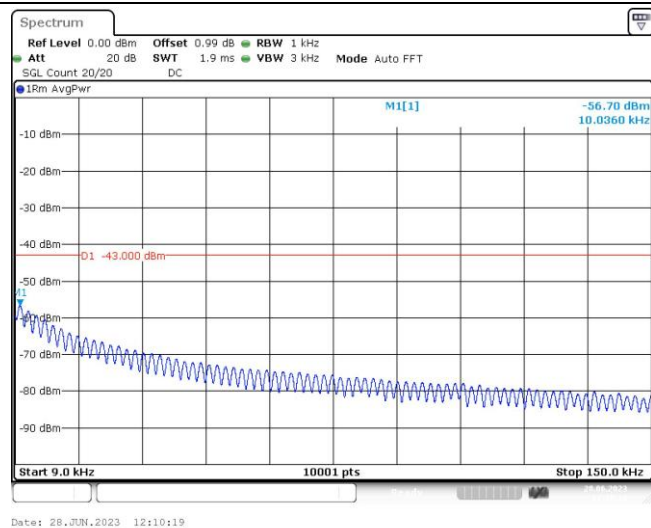


GSM1900-661-0.009~0.15MHz

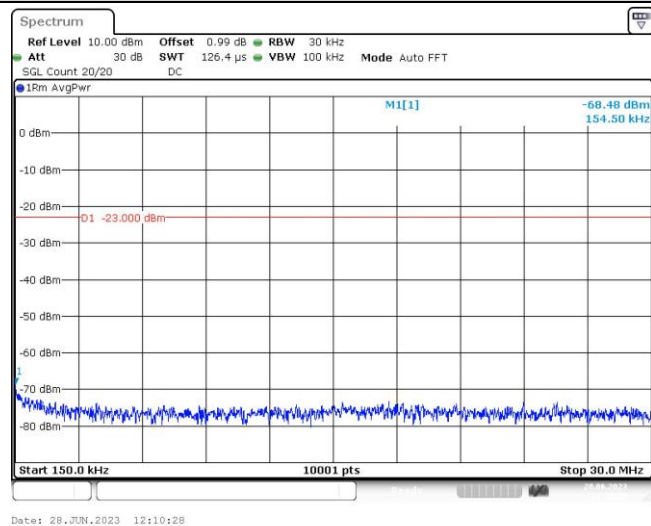


GSM1900-661-0.15~30MHz

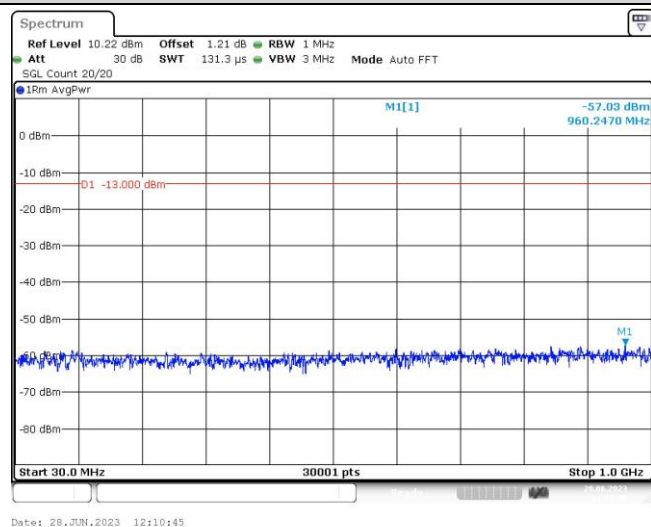




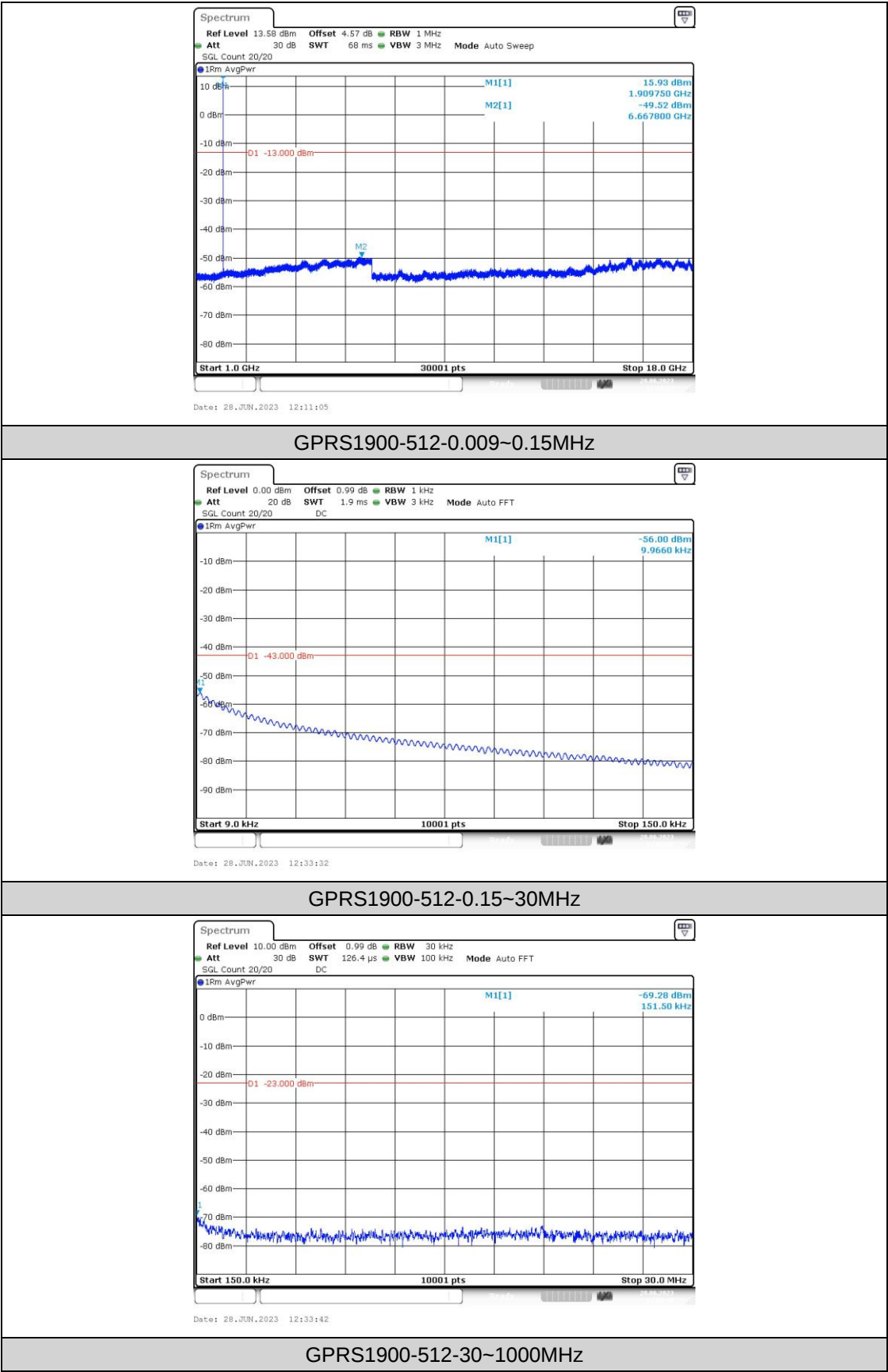
GSM1900-810-0.15~30MHz

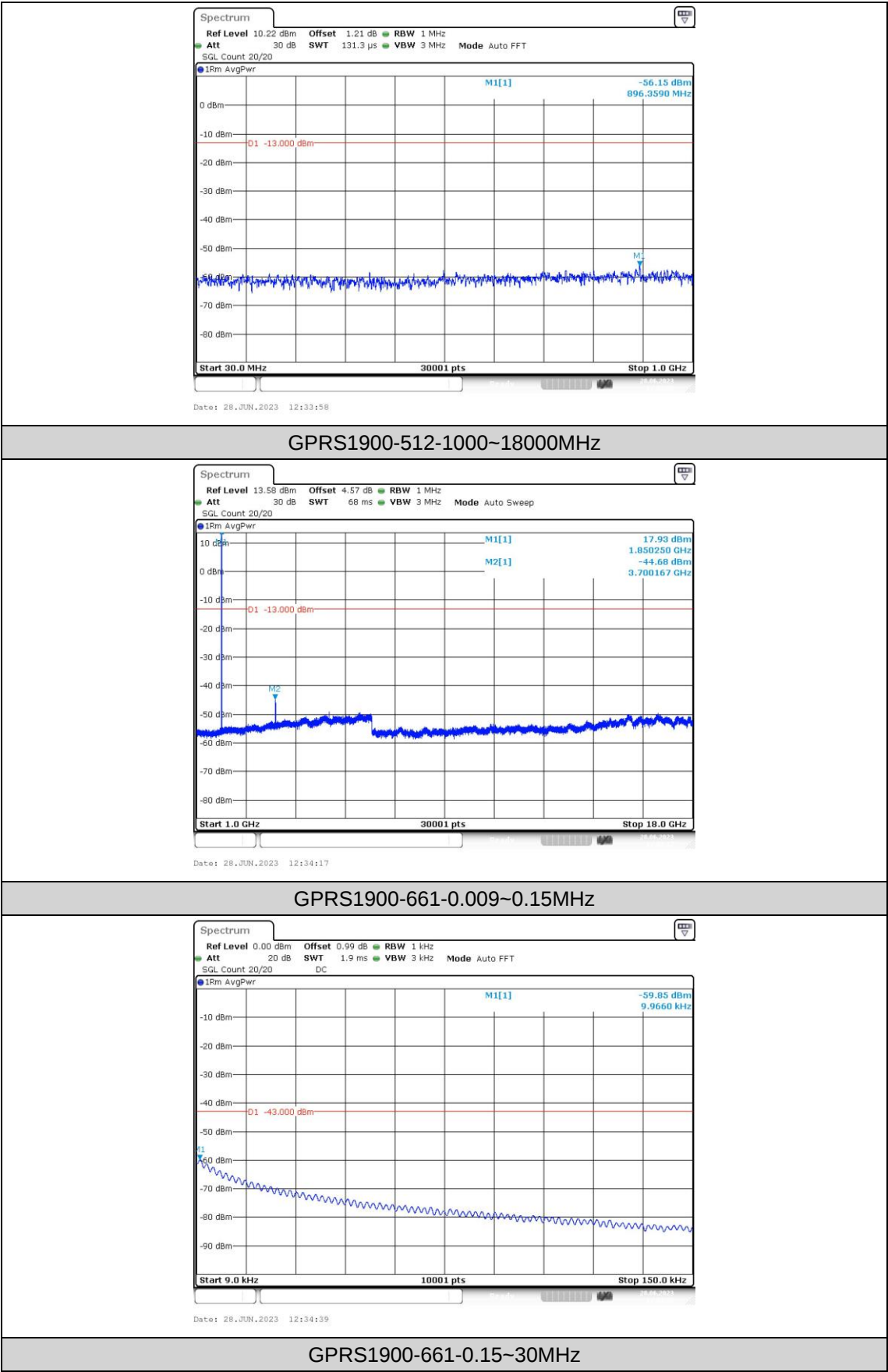


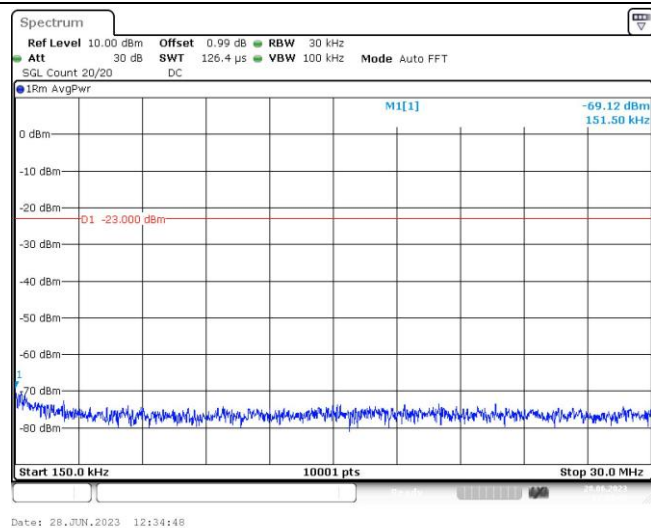
GSM1900-810-30~1000MHz



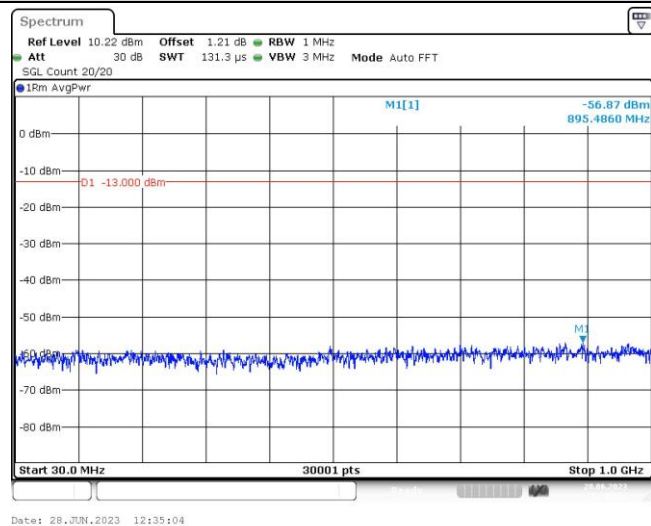
GSM1900-810-1000~18000MHz



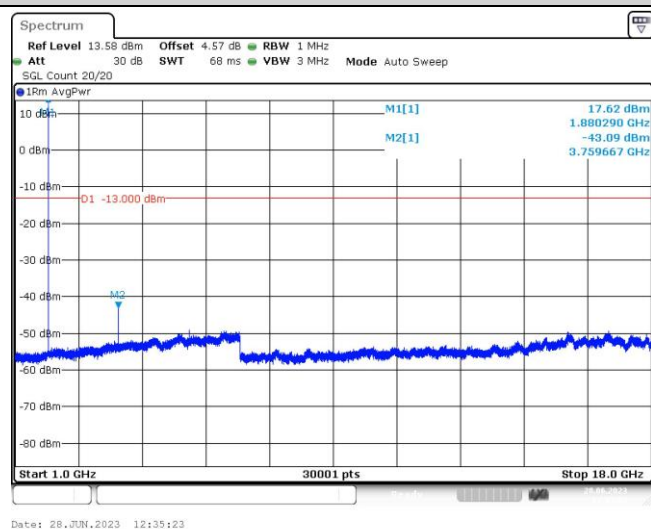




GPRS1900-661-30~1000MHz



GPRS1900-661-1000~18000MHz



GPRS1900-810-0.009~0.15MHz

