

Appendix for GSM850 & PCS1900

Appendix A: Average Power Output Data

Test Result

Band	Channel	ERP/EIRP(dBm)	Limit(dBm)	Verdict
GSM850	128	33.58	38.45	PASS
GSM850	190	33.52	38.45	PASS
GSM850	251	33.03	38.45	PASS
GSM1900	512	29.33	33.00	PASS
GSM1900	661	30.46	33.00	PASS
GSM1900	810	29.97	33.00	PASS

Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
GPRS850	128	1	32.54	38.45	PASS
GPRS850	128	2	30.20	38.45	PASS
GPRS850	128	3	28.16	38.45	PASS
GPRS850	128	4	25.89	38.45	PASS
GPRS850	190	1	32.56	38.45	PASS
GPRS850	190	2	31.08	38.45	PASS
GPRS850	190	3	28.85	38.45	PASS
GPRS850	190	4	26.39	38.45	PASS
GPRS850	251	1	33.14	38.45	PASS
GPRS850	251	2	30.60	38.45	PASS
GPRS850	251	3	28.52	38.45	PASS
GPRS850	251	4	26.74	38.45	PASS
GPRS1900	512	1	29.63	33.00	PASS
GPRS1900	512	2	27.22	33.00	PASS
GPRS1900	512	3	25.50	33.00	PASS
GPRS1900	512	4	24.10	33.00	PASS
GPRS1900	661	1	30.53	33.00	PASS
GPRS1900	661	2	28.33	33.00	PASS
GPRS1900	661	3	26.34	33.00	PASS
GPRS1900	661	4	25.10	33.00	PASS
GPRS1900	810	1	30.42	33.00	PASS
GPRS1900	810	2	27.81	33.00	PASS
GPRS1900	810	3	25.83	33.00	PASS

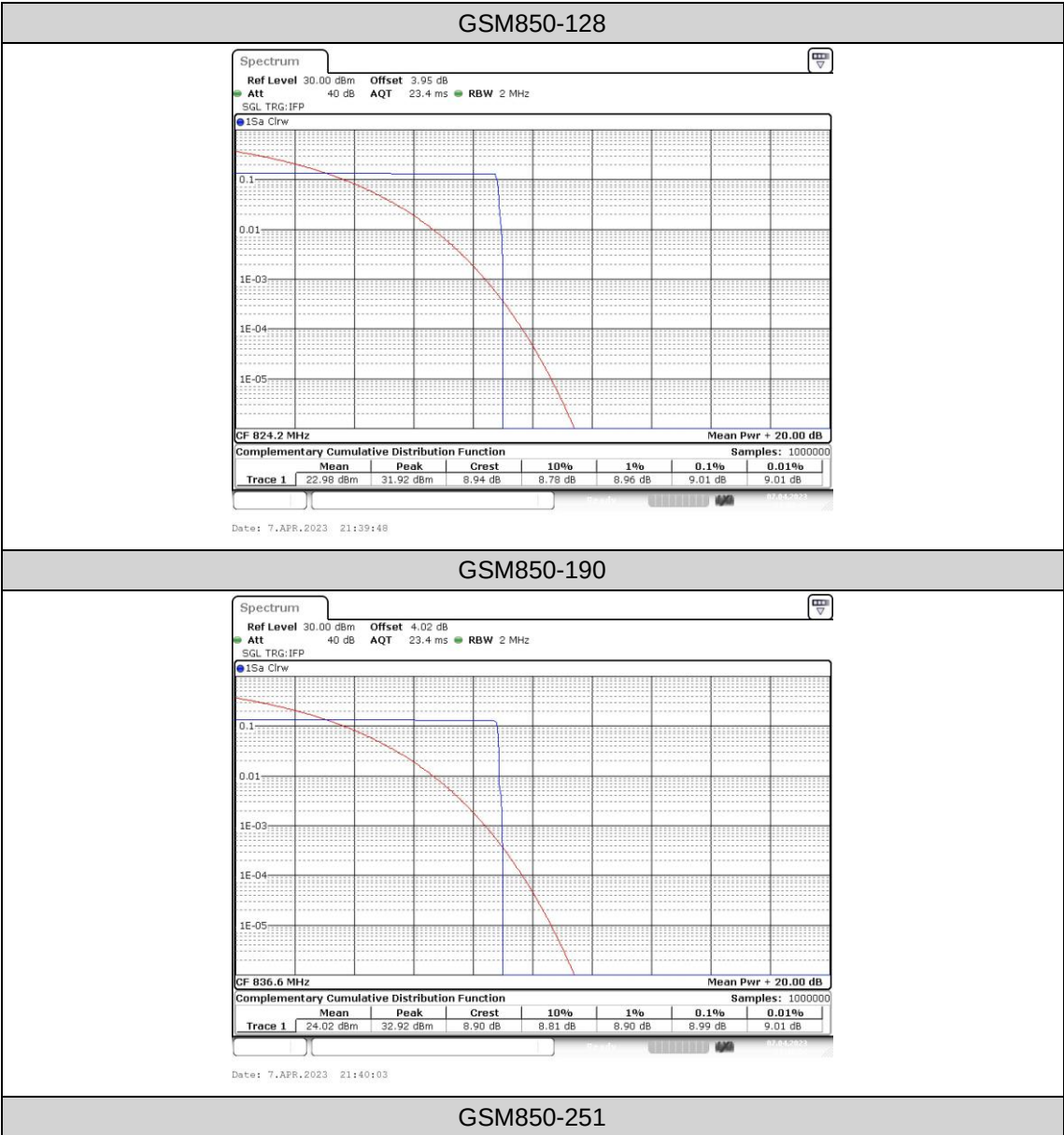
GPRS1900	810	4	24.52	33.00	PASS
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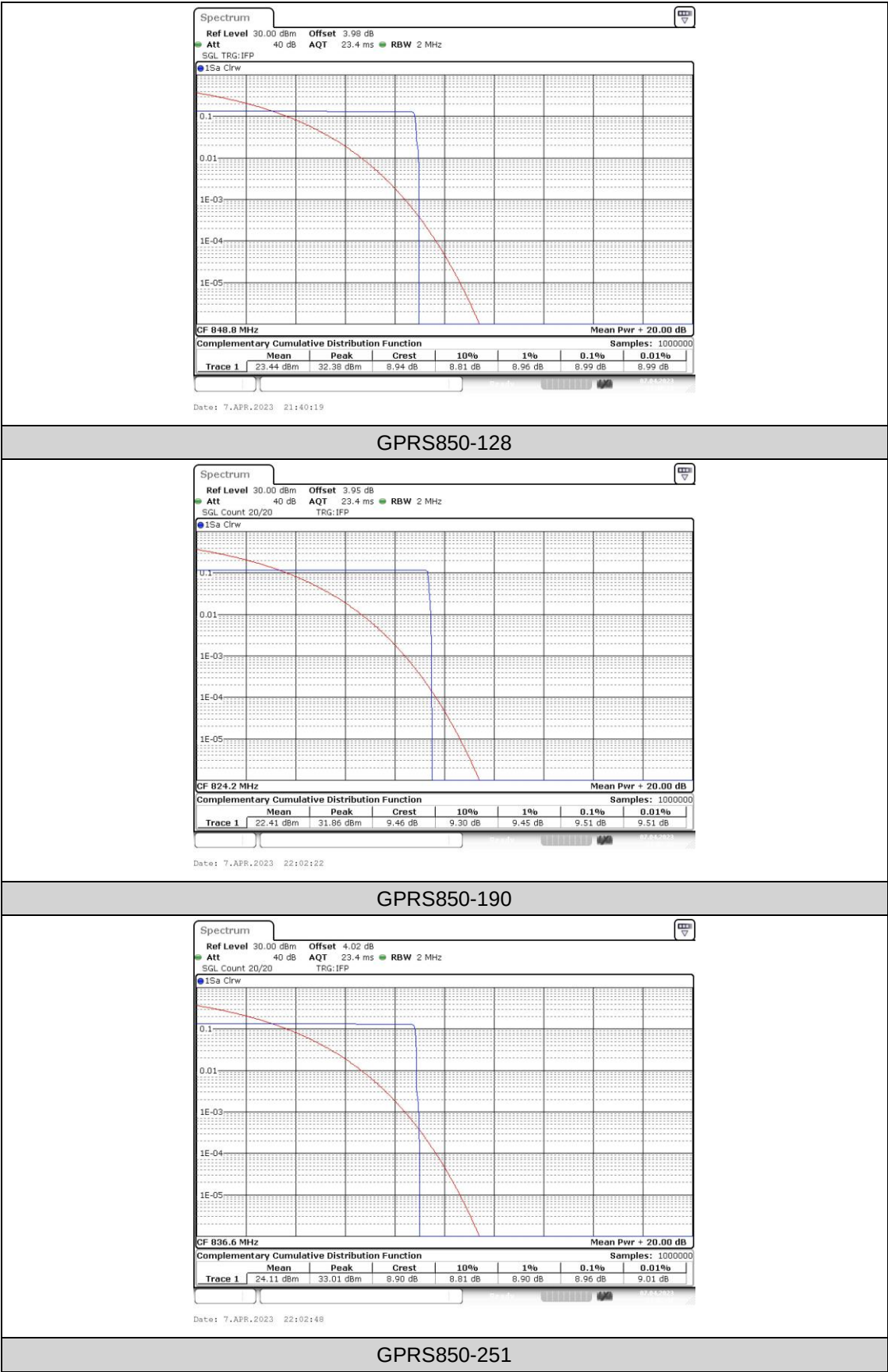
Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
EGPRS850	128	1	26.63	38.45	PASS
EGPRS850	128	2	25.01	38.45	PASS
EGPRS850	128	3	23.11	38.45	PASS
EGPRS850	128	4	19.89	38.45	PASS
EGPRS850	190	1	27.59	38.45	PASS
EGPRS850	190	2	25.99	38.45	PASS
EGPRS850	190	3	24.06	38.45	PASS
EGPRS850	190	4	20.94	38.45	PASS
EGPRS850	251	1	26.89	38.45	PASS
EGPRS850	251	2	25.44	38.45	PASS
EGPRS850	251	3	23.55	38.45	PASS
EGPRS850	251	4	20.43	38.45	PASS
EGPRS1900	512	1	25.54	33.00	PASS
EGPRS1900	512	2	24.02	33.00	PASS
EGPRS1900	512	3	21.99	33.00	PASS
EGPRS1900	512	4	19.91	33.00	PASS
EGPRS1900	661	1	26.56	33.00	PASS
EGPRS1900	661	2	25.06	33.00	PASS
EGPRS1900	661	3	23.04	33.00	PASS
EGPRS1900	661	4	21.03	33.00	PASS
EGPRS1900	810	1	25.93	33.00	PASS
EGPRS1900	810	2	24.61	33.00	PASS
EGPRS1900	810	3	22.65	33.00	PASS
EGPRS1900	810	4	20.40	33.00	PASS

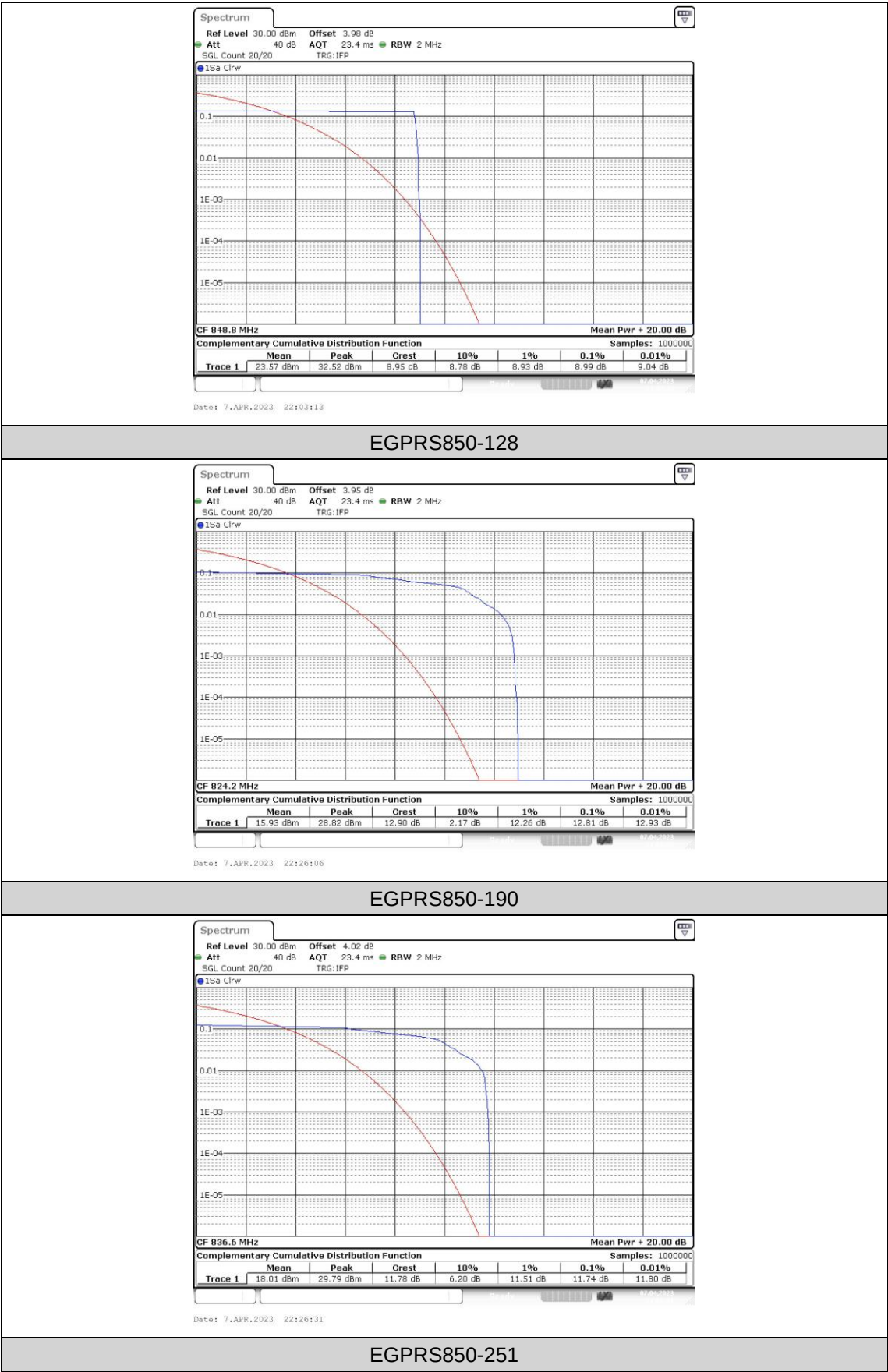
Appendix B: Peak-to-Average Ratio(CCDF)**Test Result**

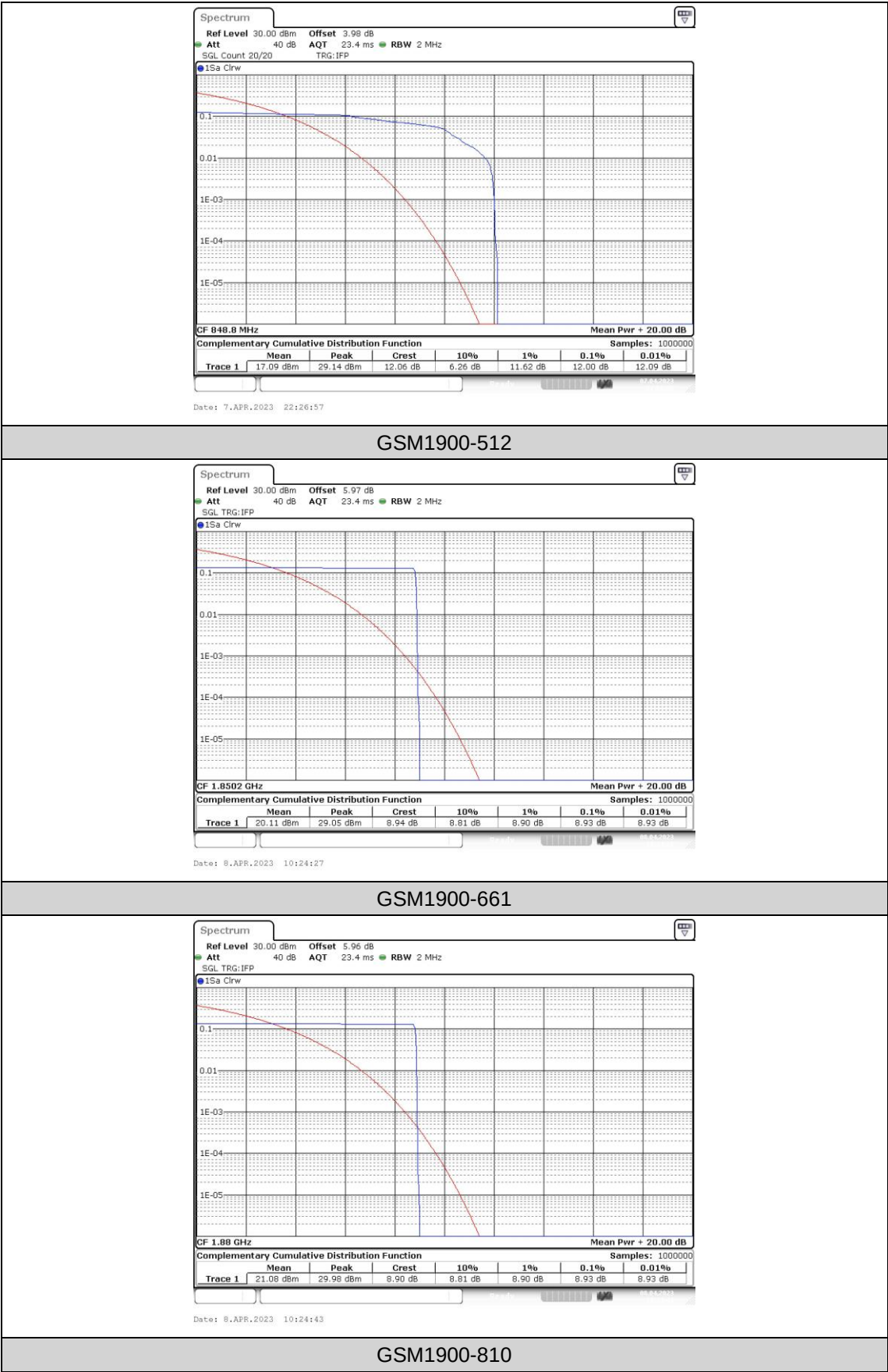
Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	128	9.01	13	PASS
GSM850	190	8.99	13	PASS
GSM850	251	8.99	13	PASS
GPRS850	128	9.51	13	PASS
GPRS850	190	8.96	13	PASS
GPRS850	251	8.99	13	PASS
EGPRS850	128	12.81	13	PASS
EGPRS850	190	11.74	13	PASS
EGPRS850	251	12.00	13	PASS
GSM1900	512	8.93	13	PASS
GSM1900	661	8.93	13	PASS
GSM1900	810	8.93	13	PASS
GPRS1900	512	8.99	13	PASS
GPRS1900	661	8.93	13	PASS
GPRS1900	810	9.77	13	PASS
EGPRS1900	512	11.8	13	PASS
EGPRS1900	661	11.71	13	PASS
EGPRS1900	810	11.86	13	PASS

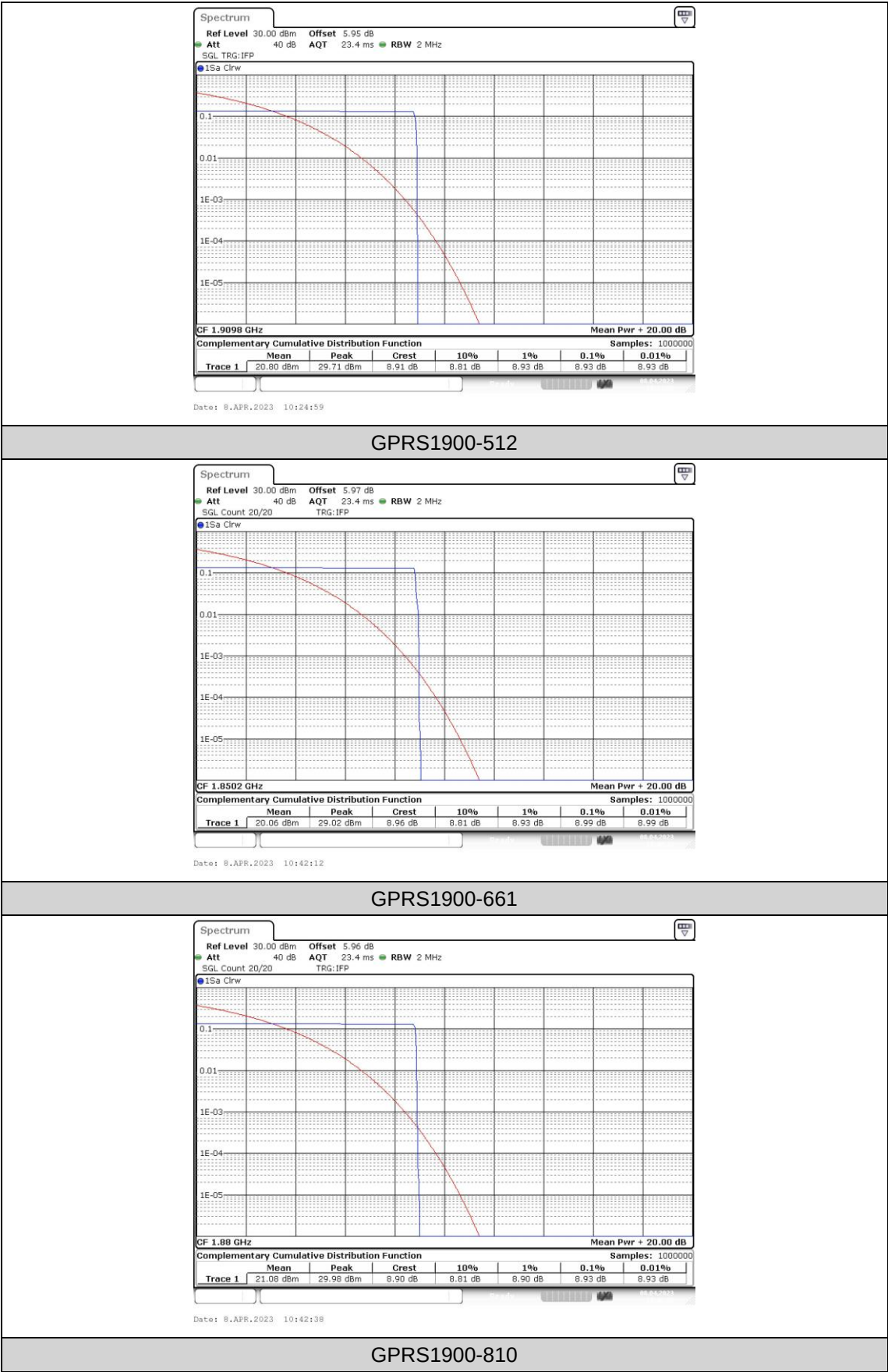
Test Graphs

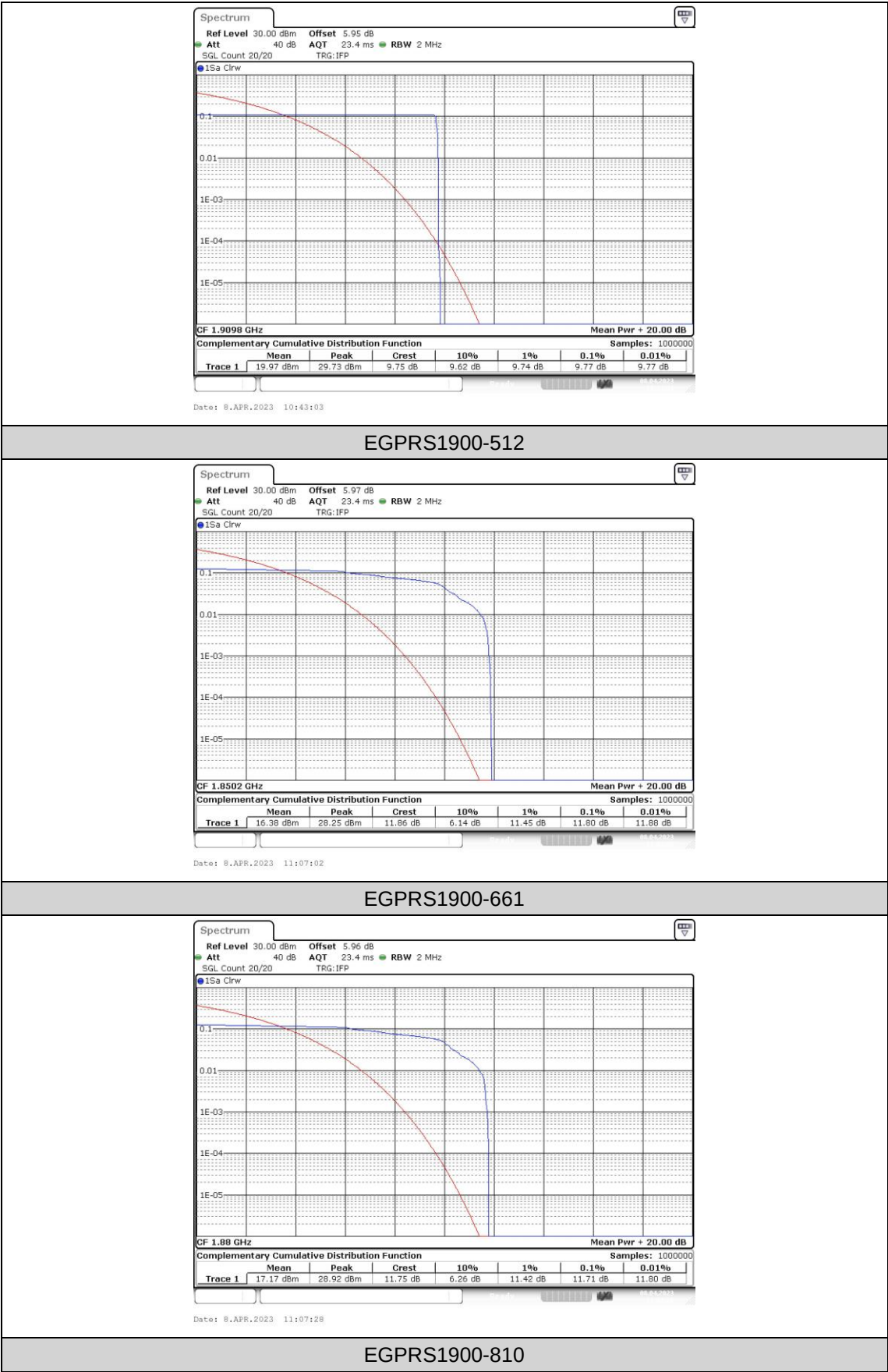












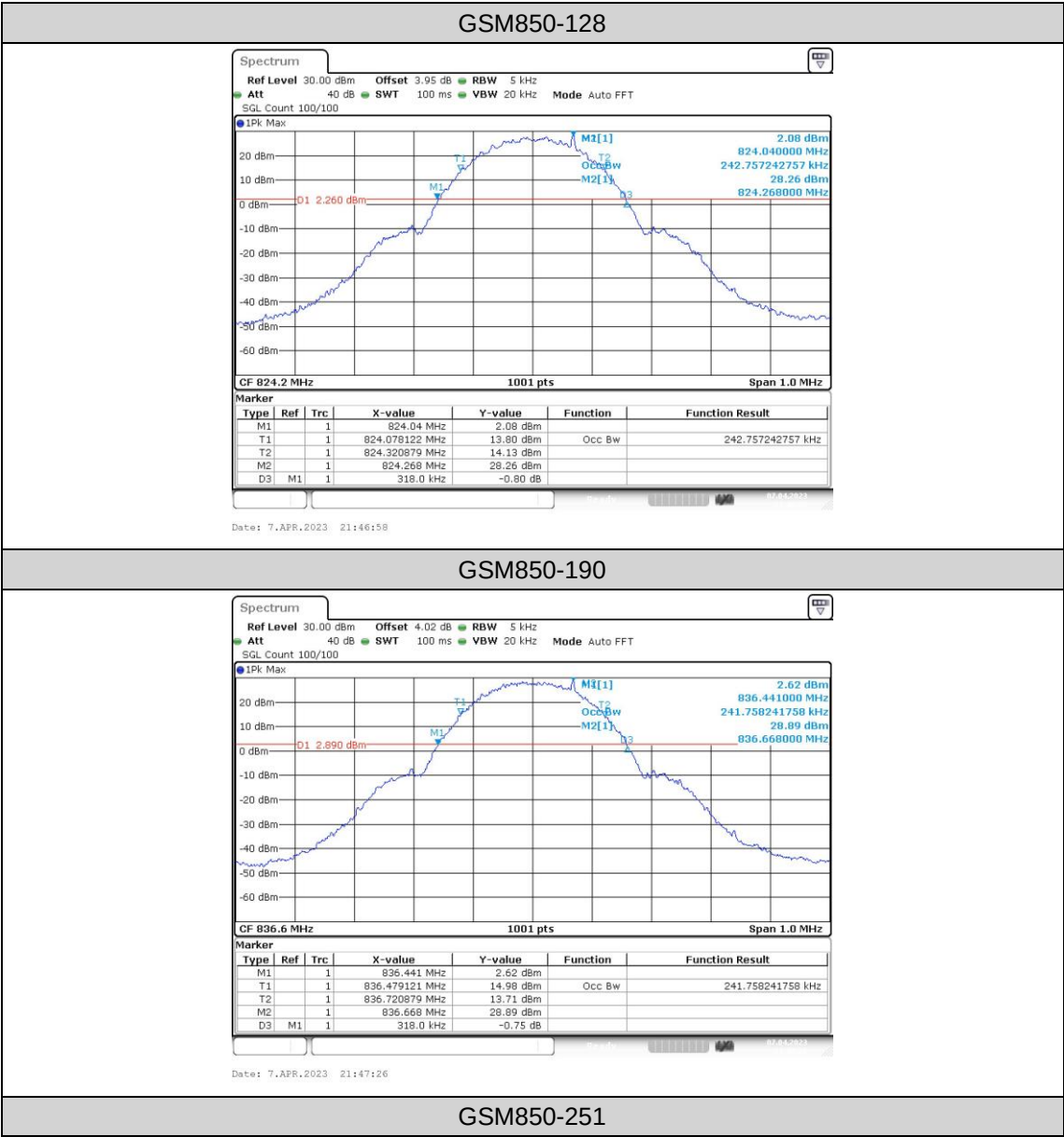


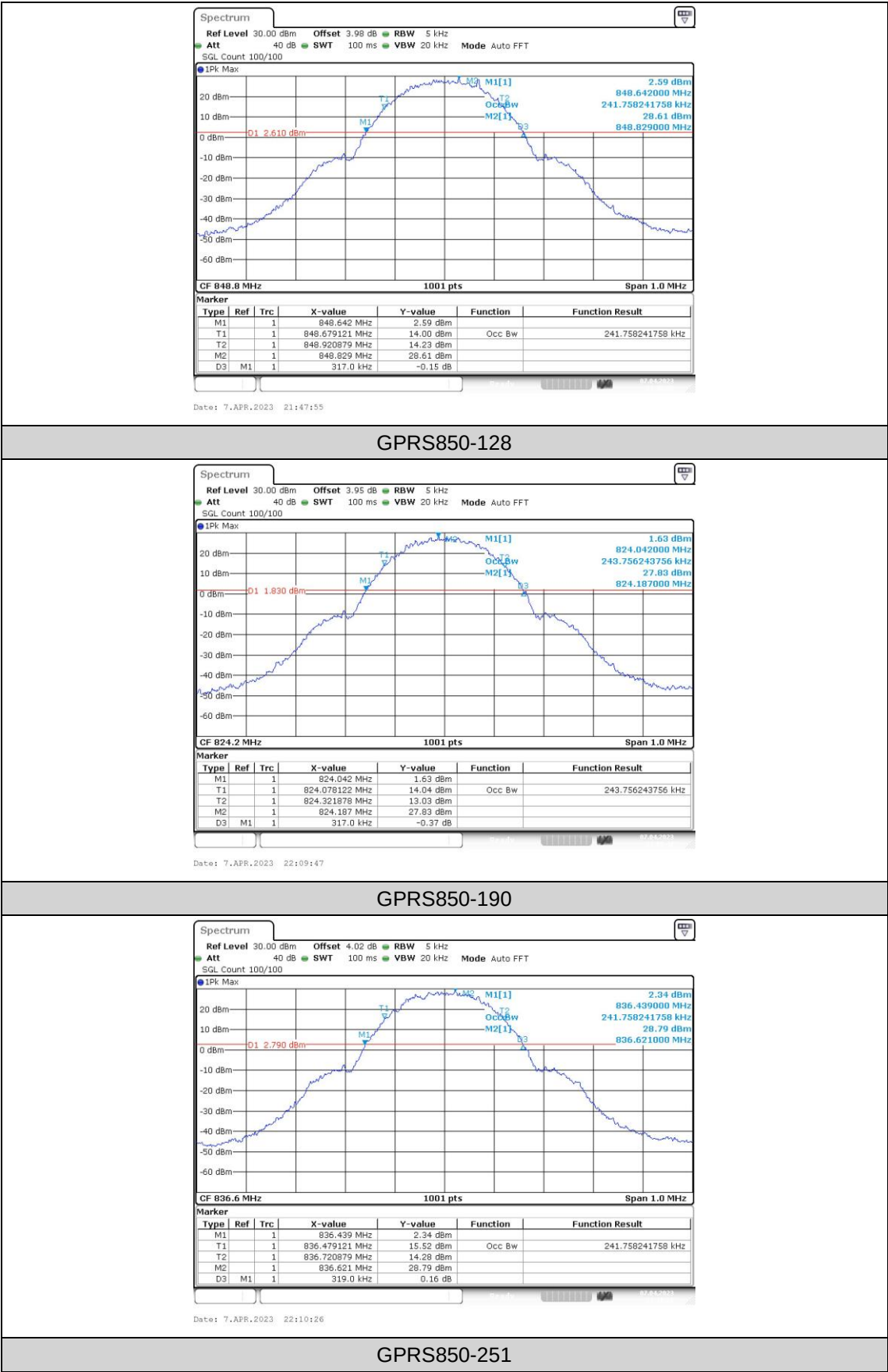
Appendix C: 26dB Bandwidth and Occupied Bandwidth

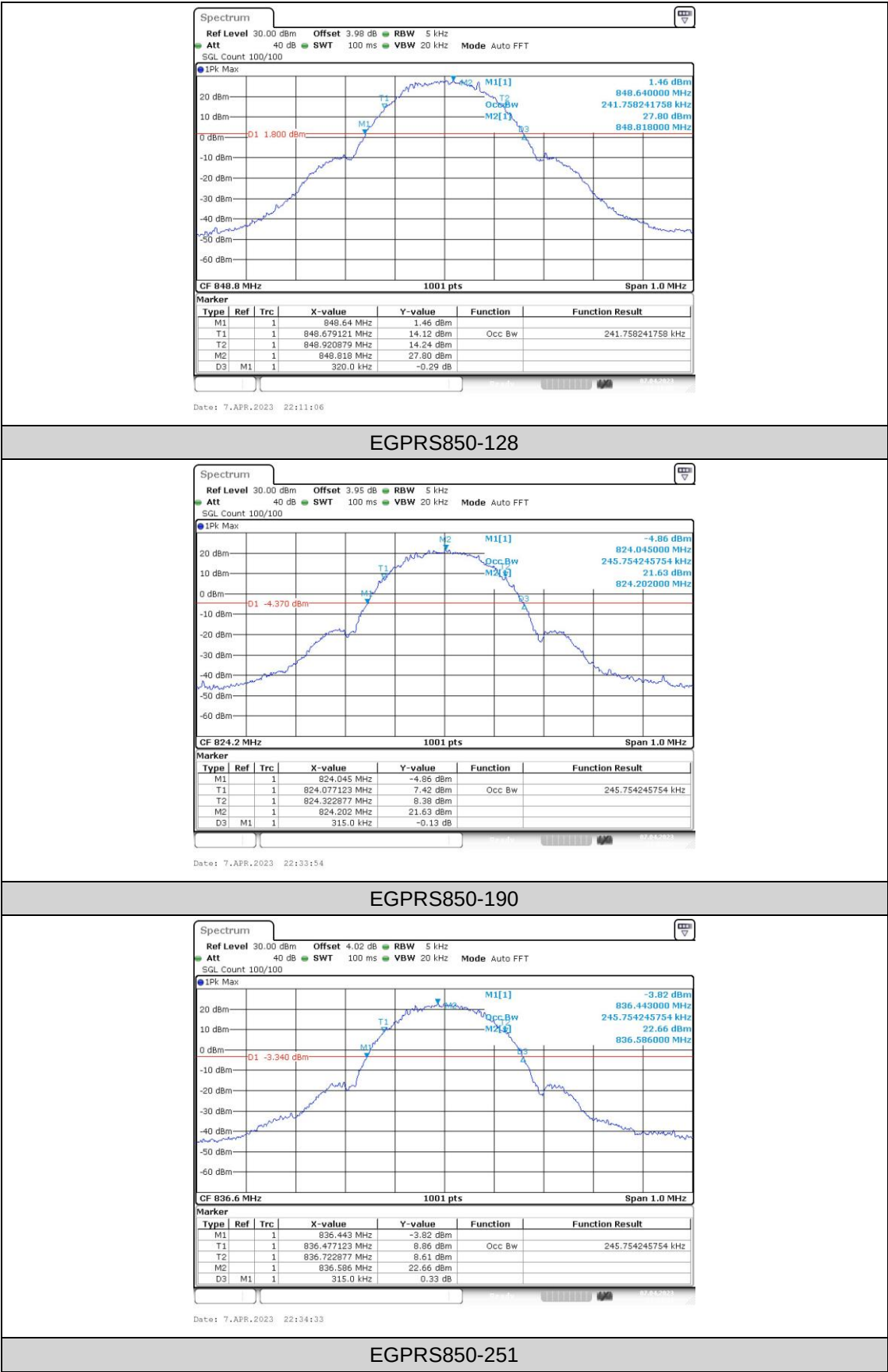
Test Result

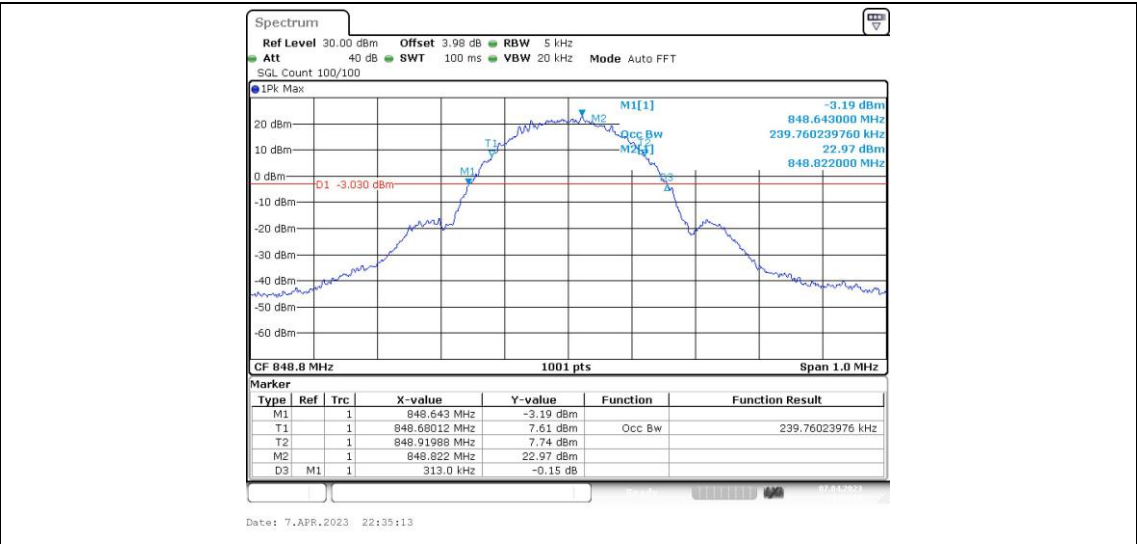
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.243	0.32	---	PASS
GSM850	190	0.242	0.32	---	PASS
GSM850	251	0.242	0.32	---	PASS
GPRS850	128	0.244	0.32	---	PASS
GPRS850	190	0.242	0.32	---	PASS
GPRS850	251	0.242	0.32	---	PASS
EGPRS850	128	0.246	0.31	---	PASS
EGPRS850	190	0.246	0.32	---	PASS
EGPRS850	251	0.24	0.31	---	PASS
GSM1900	512	0.242	0.31	---	PASS
GSM1900	661	0.243	0.31	---	PASS
GSM1900	810	0.244	0.32	---	PASS
GPRS1900	512	0.242	0.32	---	PASS
GPRS1900	661	0.242	0.32	---	PASS
GPRS1900	810	0.242	0.32	---	PASS
EGPRS1900	512	0.242	0.32	---	PASS
EGPRS1900	661	0.246	0.31	---	PASS
EGPRS1900	810	0.246	0.32	---	PASS

Test Graphs

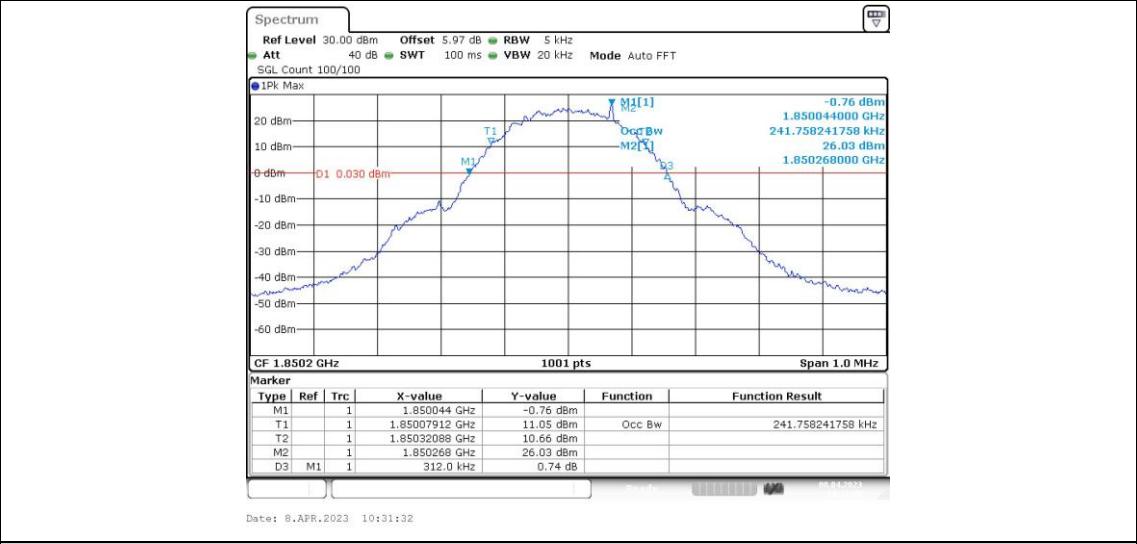




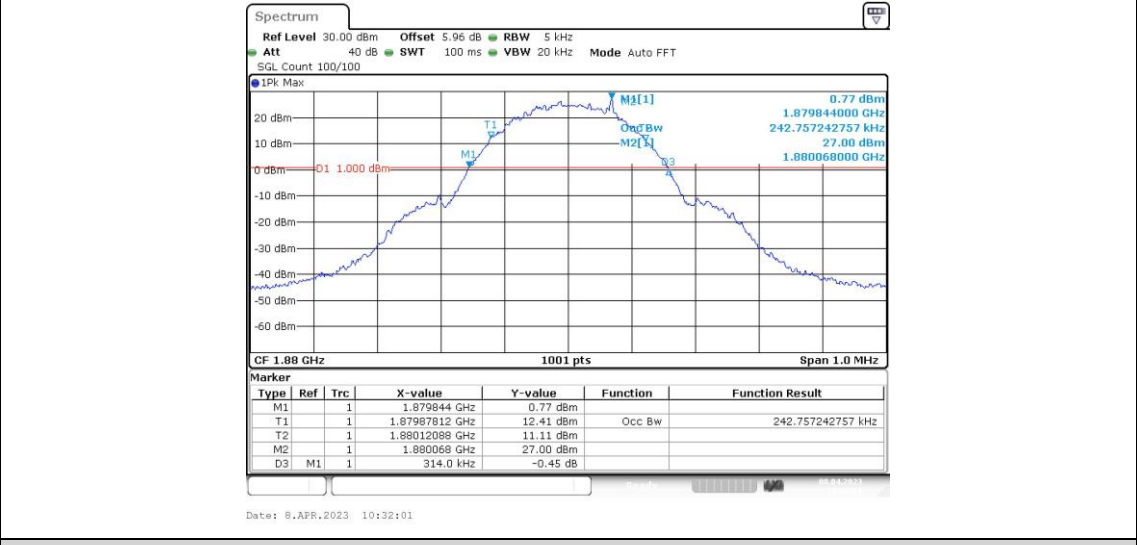




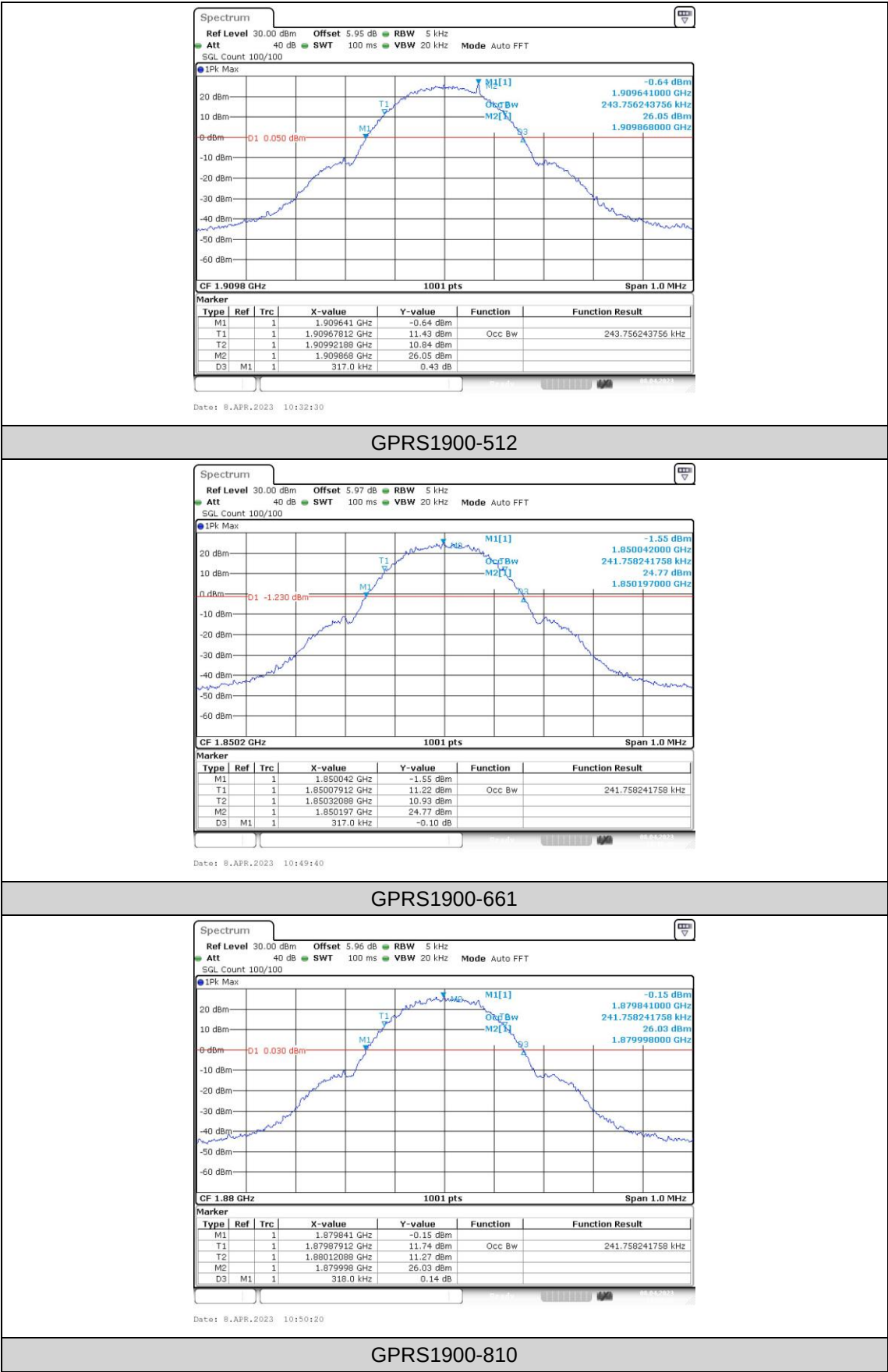
GSM1900-512

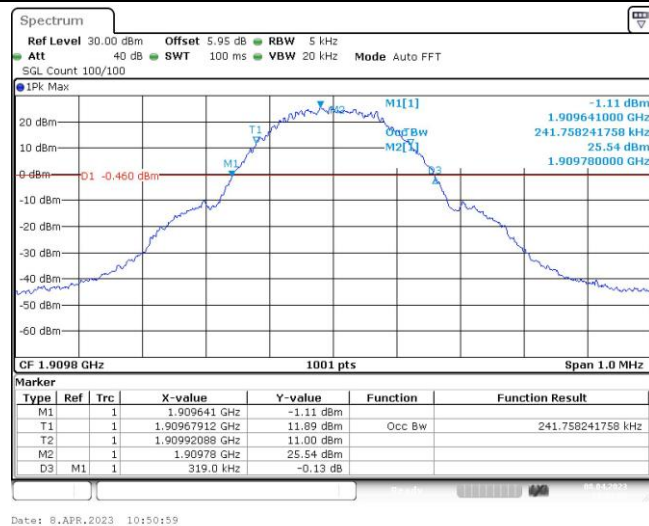


GSM1900-661

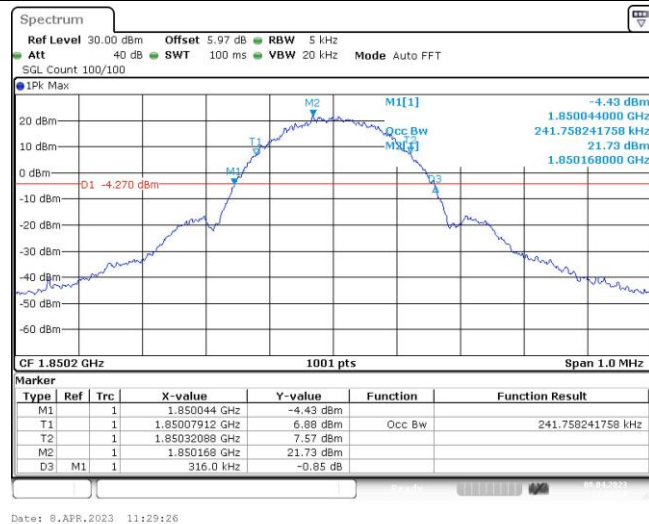


GSM1900-810

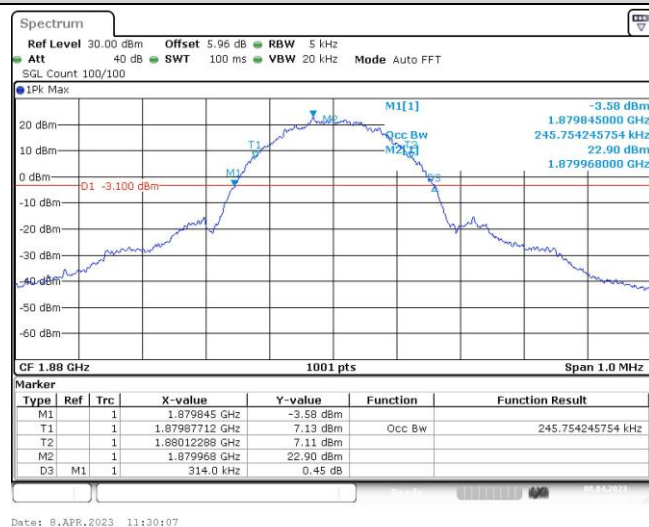




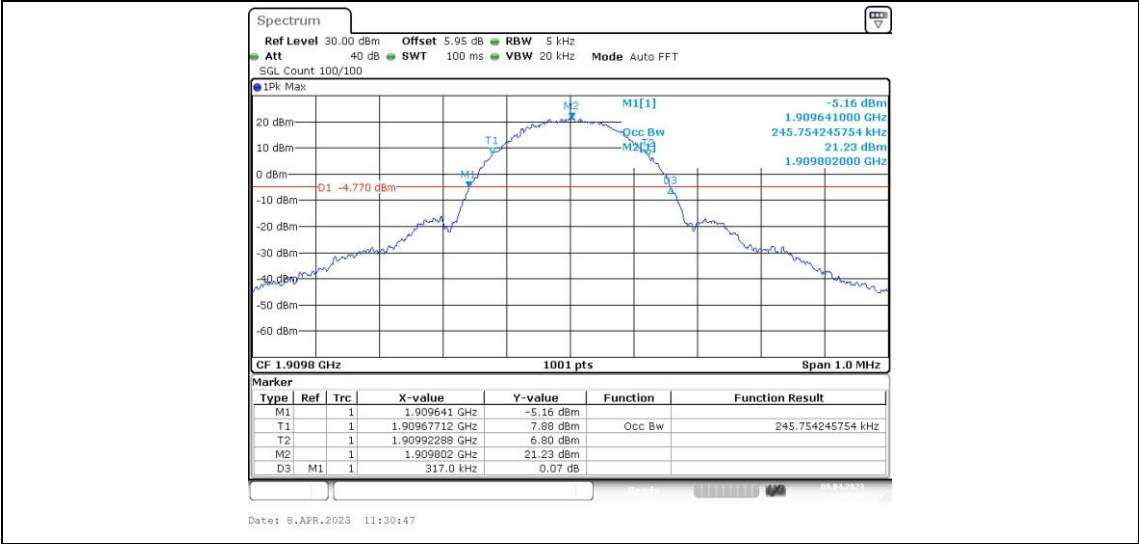
EGPRS1900-512



EGPRS1900-661



EGPRS1900-810

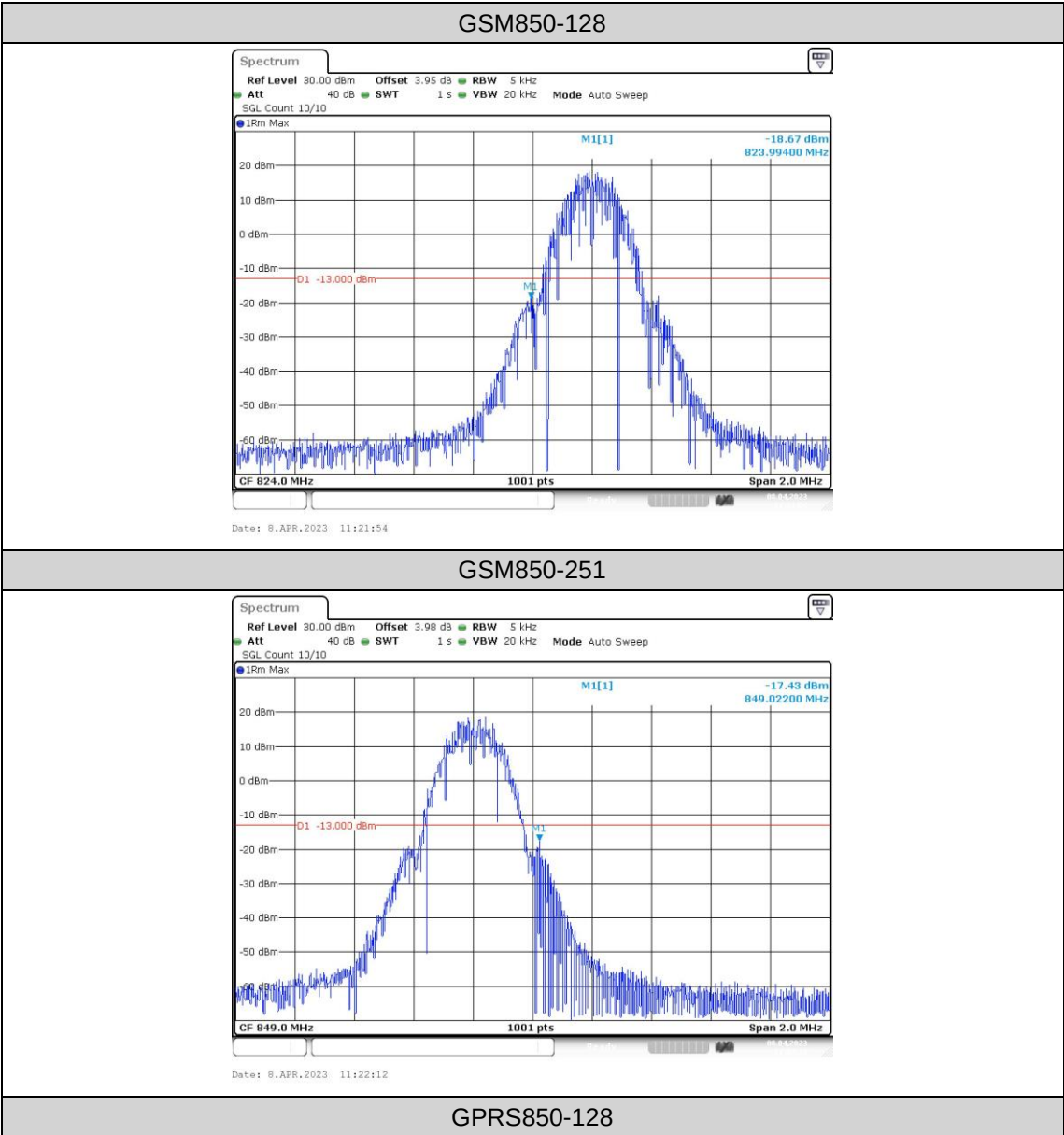


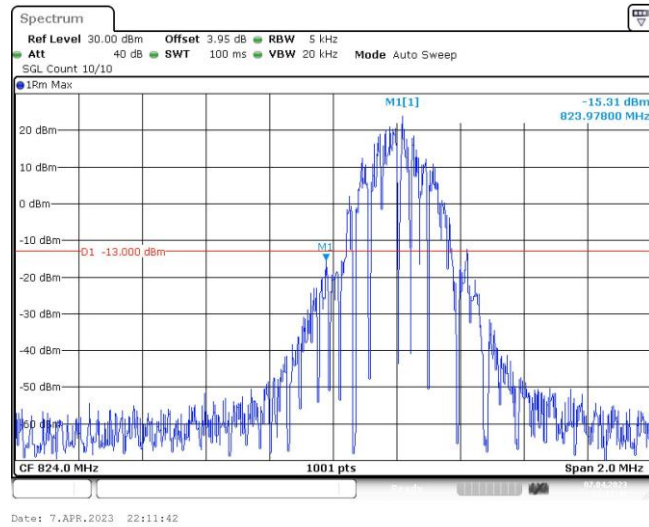
Appendix D: Band Edge

Test Result

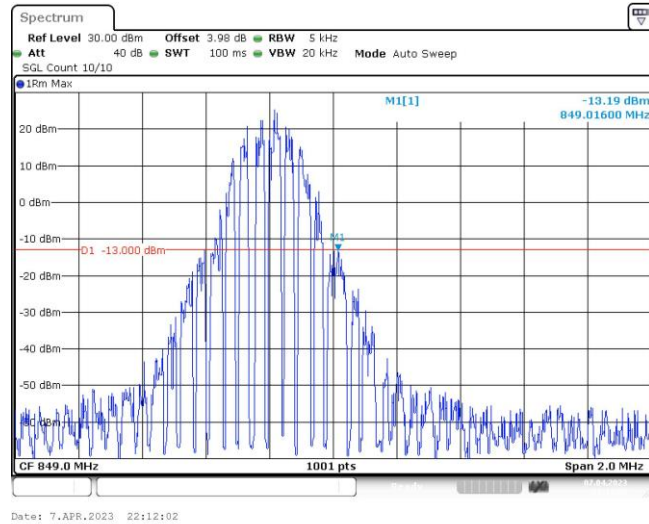
Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	823.99	-18.67	-13	PASS
GSM850	251	849.02	-17.43	-13	PASS
GPRS850	128	823.98	-15.31	-13	PASS
GPRS850	251	849.02	-13.19	-13	PASS
EGPRS850	128	823.98	-24.36	-13	PASS
EGPRS850	251	849.02	-22.78	-13	PASS
GSM1900	512	1849.99	-20.46	-13	PASS
GSM1900	810	1910.01	-18.37	-13	PASS
GPRS1900	512	1849.99	-18.34	-13	PASS
GPRS1900	810	1910.02	-19.00	-13	PASS
EGPRS1900	512	1849.98	-20.76	-13	PASS
EGPRS1900	810	1910.03	-22.17	-13	PASS

Test Graphs

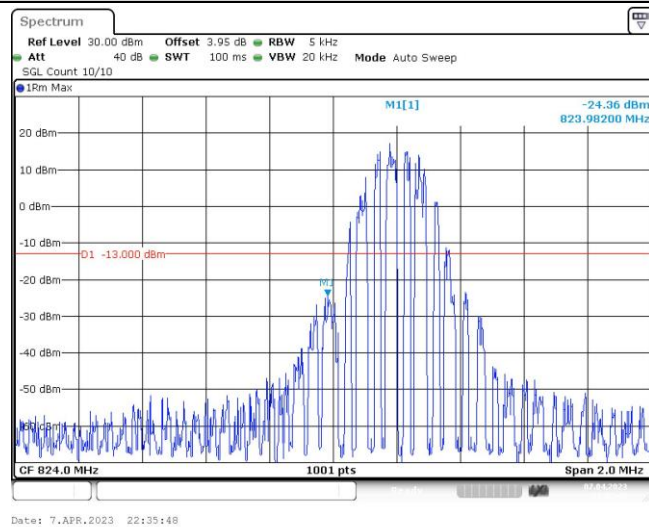




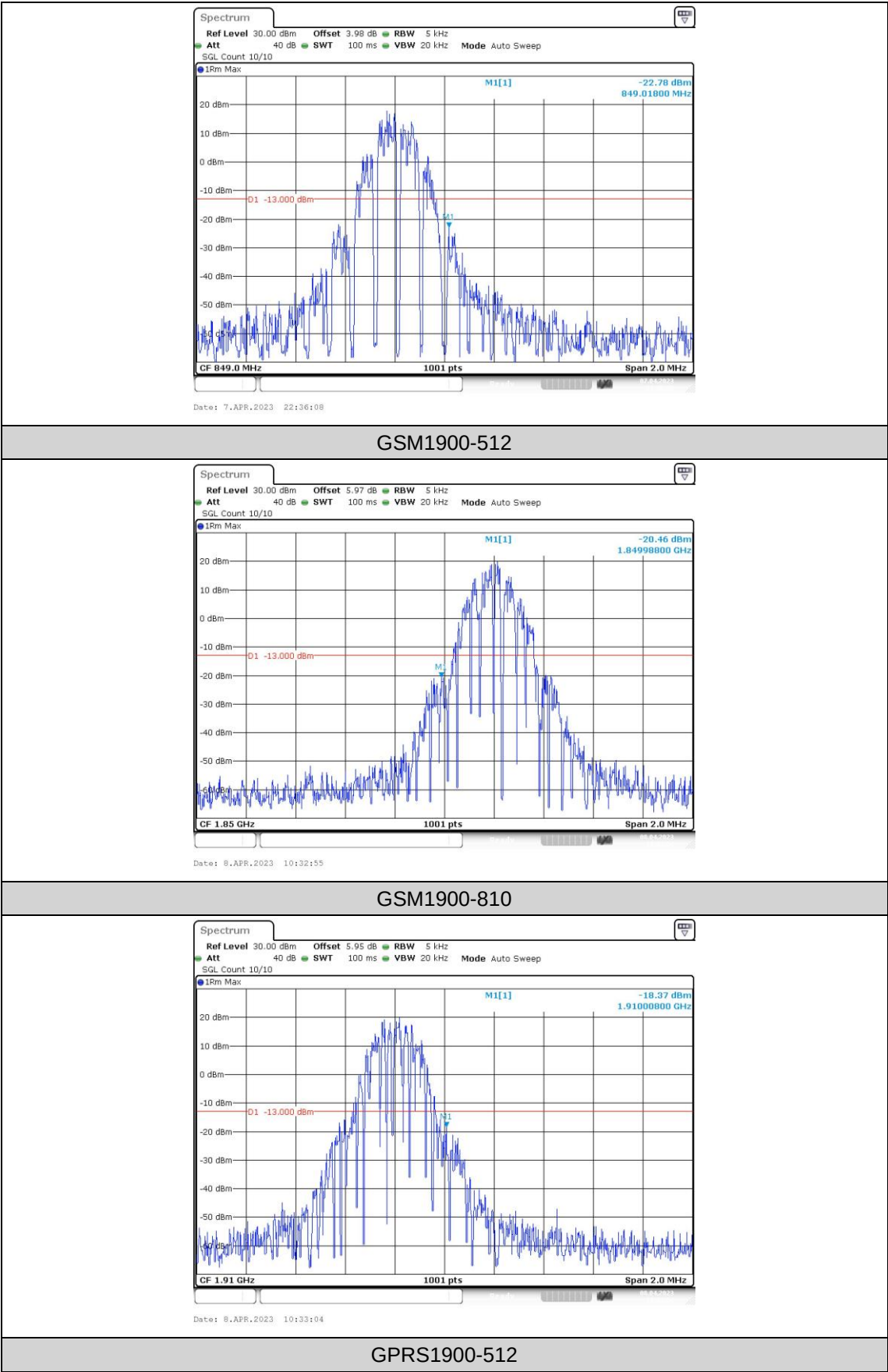
GPRS850-251

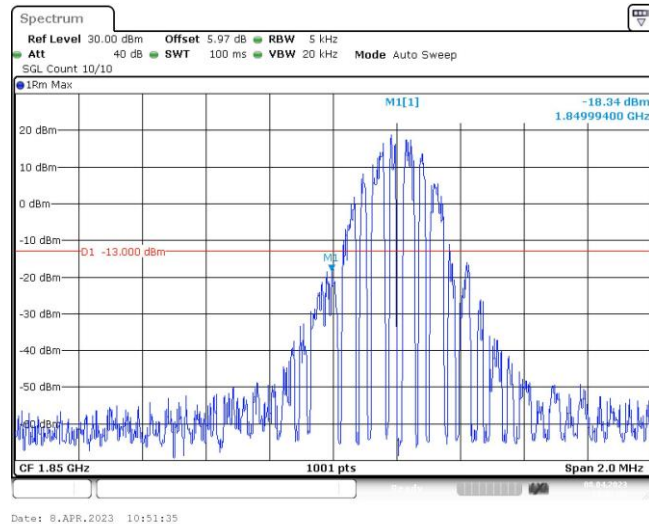


EGPRS850-128

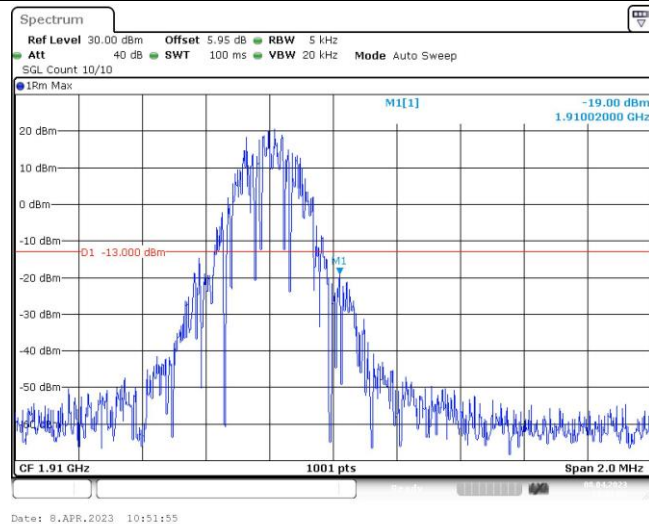


EGPRS850-251

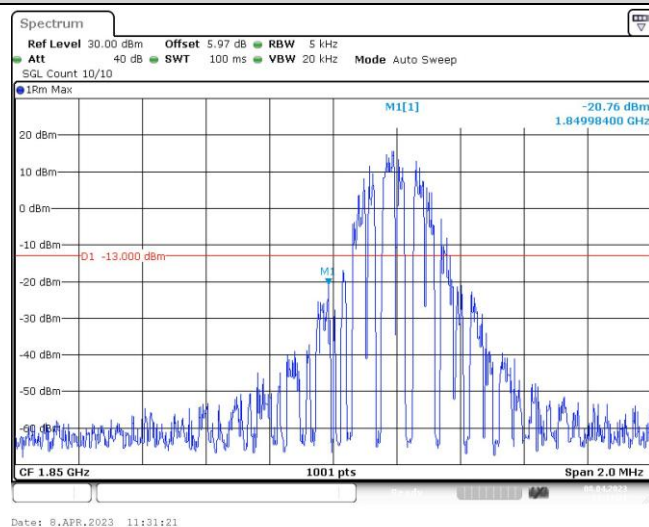




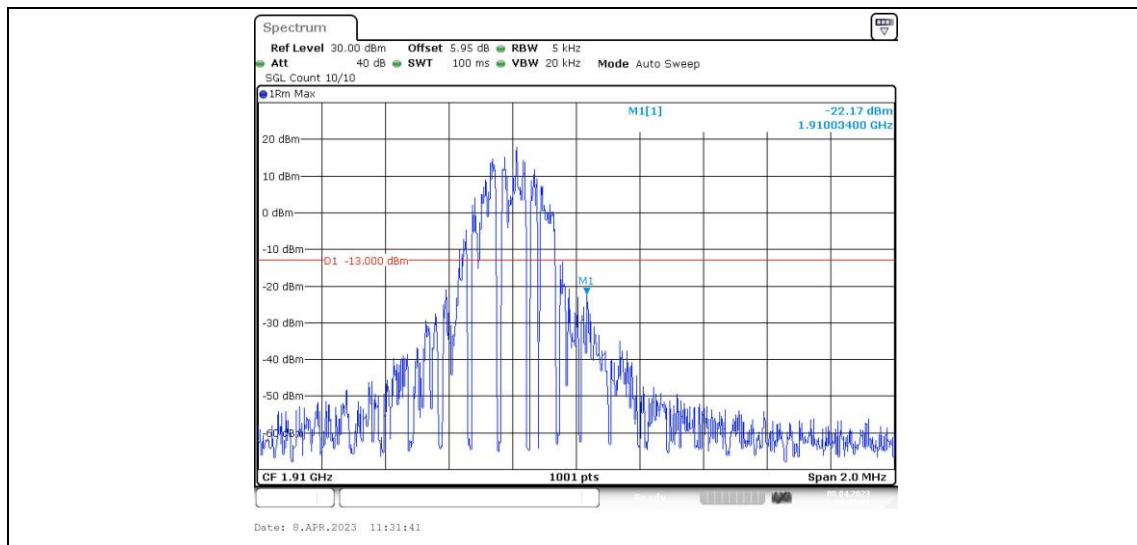
GPRS1900-810



EGPRS1900-512



EGPRS1900-810



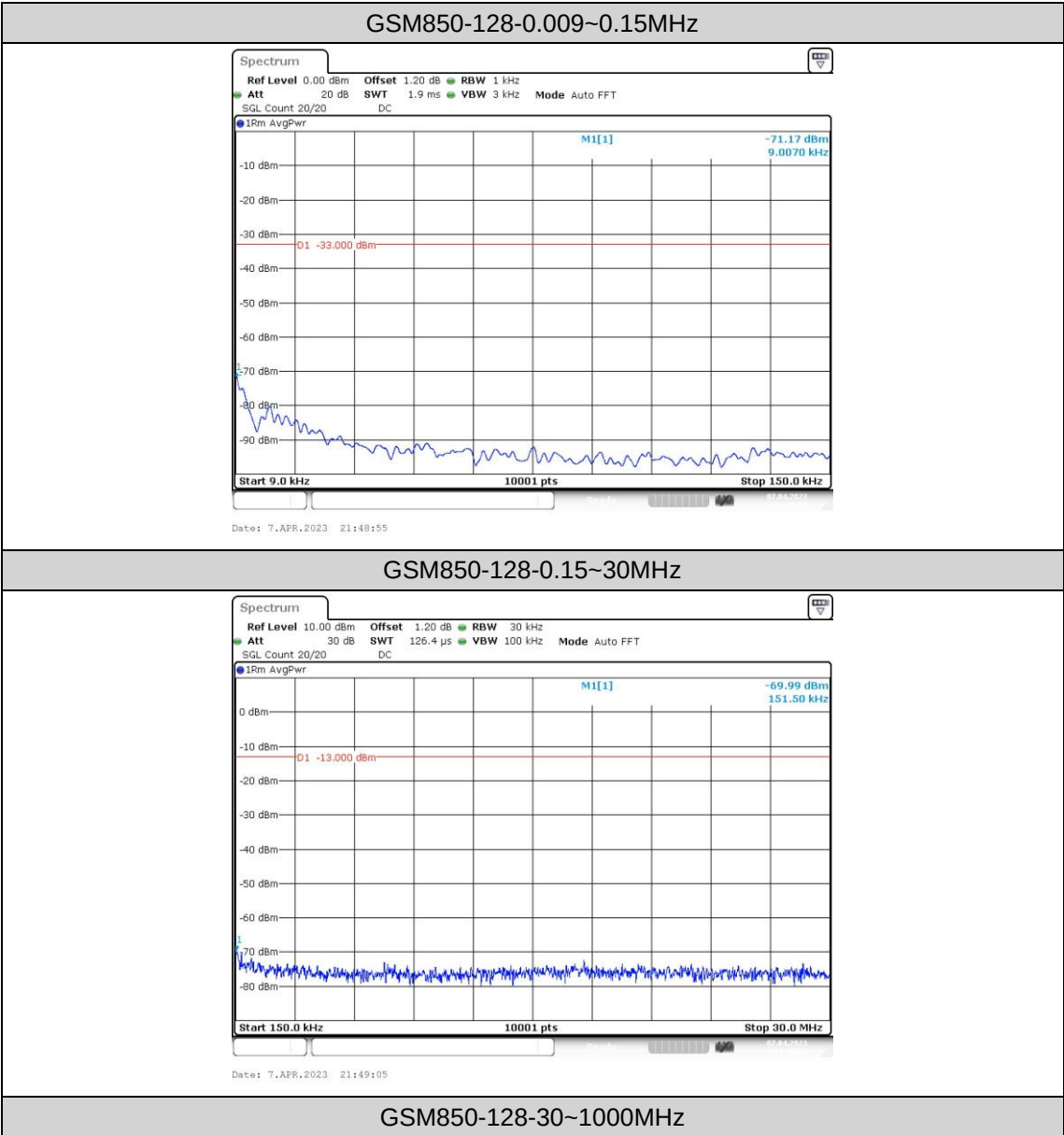
Appendix E: Conducted Spurious Emission

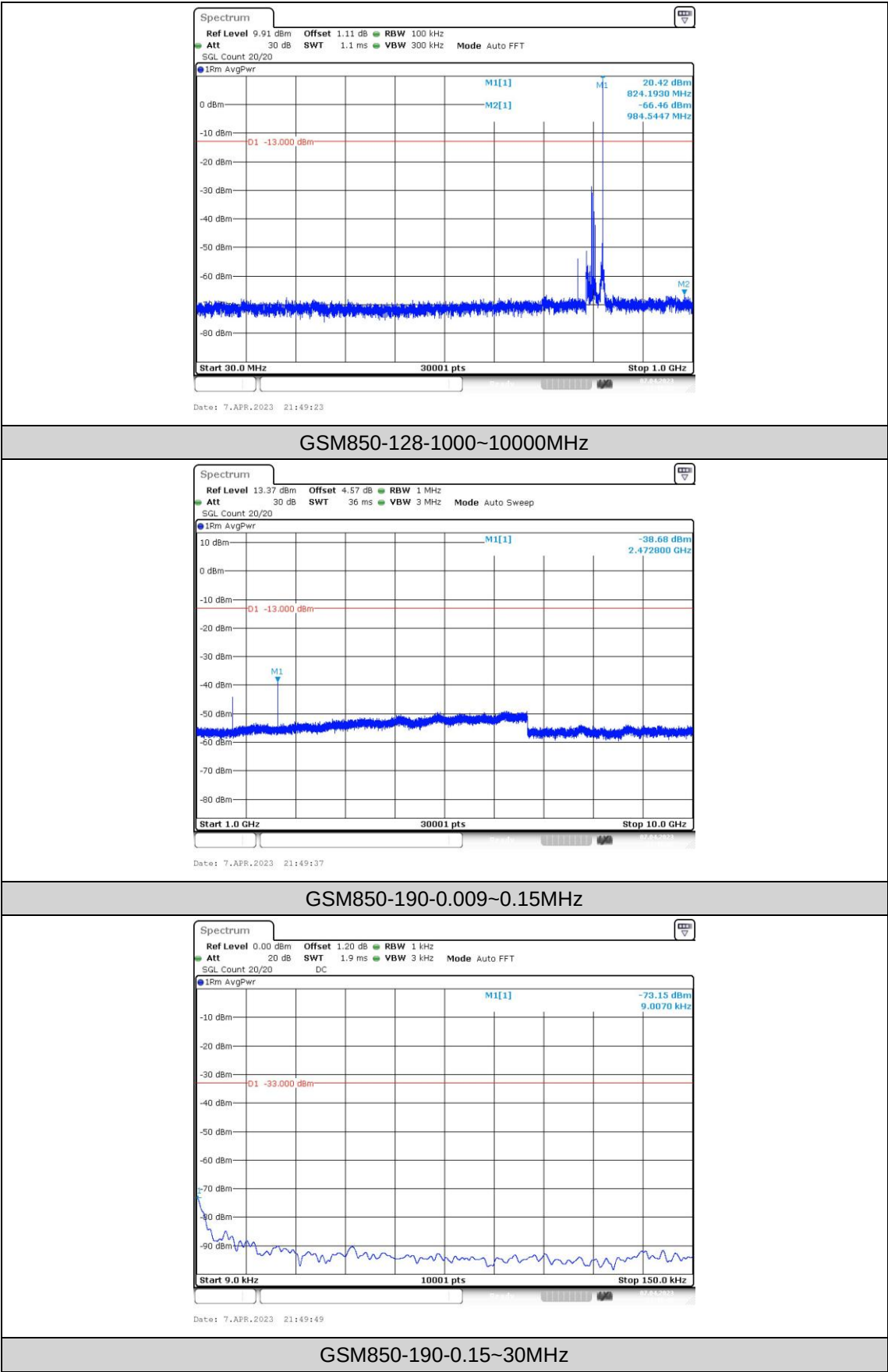
Test Result

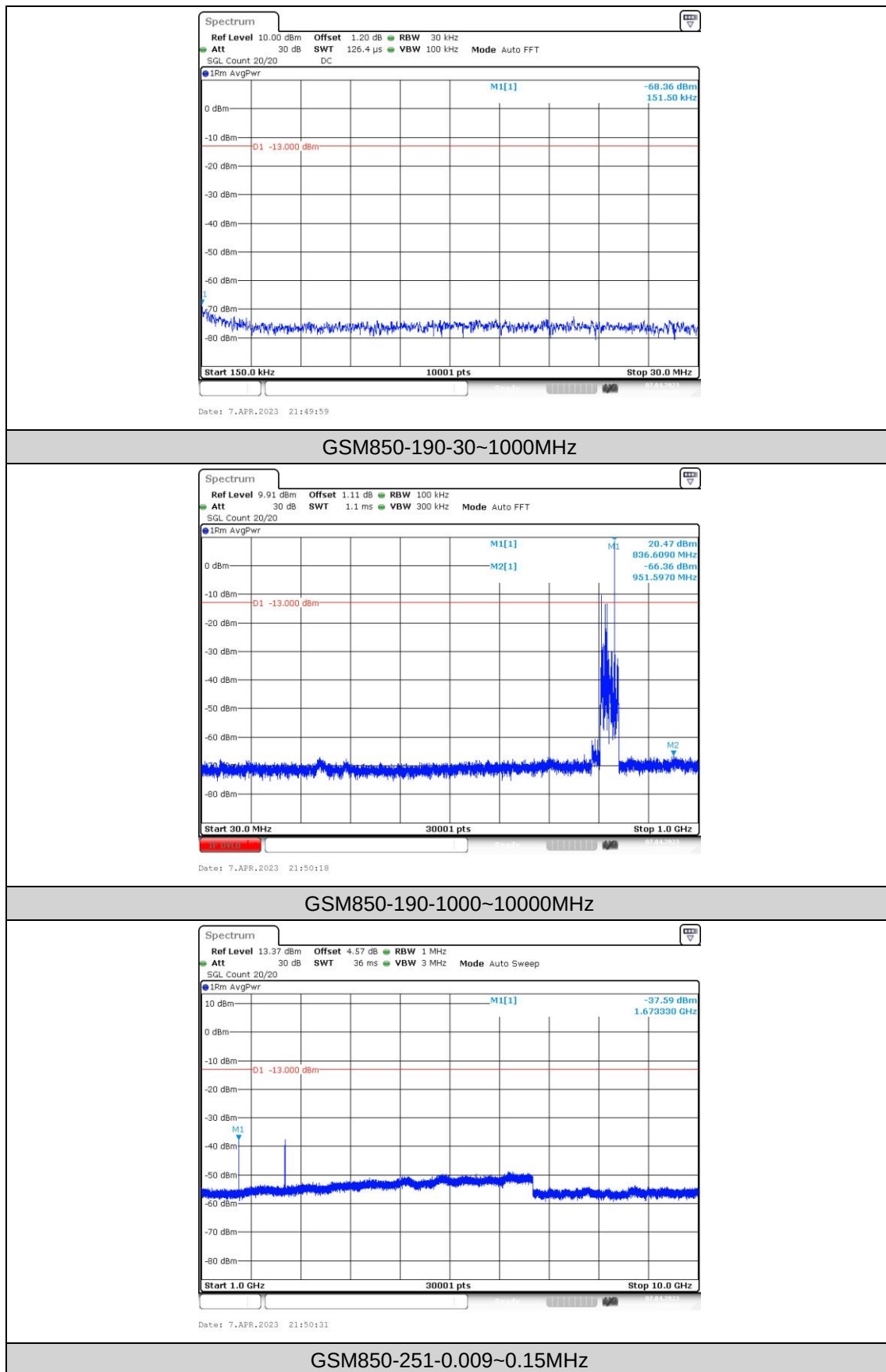
Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM850	128	0.009~0.15MHz	0.01	-71.17	-33	PASS
GSM850	128	0.15~30MHz	0.15	-69.99	-13	PASS
GSM850	128	30~1000MHz	984.54	-66.46	-13	PASS
GSM850	128	1000~10000MHz	2472.8	-38.68	-13	PASS
GSM850	190	0.009~0.15MHz	0.01	-73.15	-33	PASS
GSM850	190	0.15~30MHz	0.15	-68.36	-13	PASS
GSM850	190	30~1000MHz	951.6	-66.36	-13	PASS
GSM850	190	1000~10000MHz	1673.33	-37.59	-13	PASS
GSM850	251	0.009~0.15MHz	0.01	-70.6	-33	PASS
GSM850	251	0.15~30MHz	0.15	-68.94	-13	PASS
GSM850	251	30~1000MHz	282.91	-65.95	-13	PASS
GSM850	251	1000~10000MHz	1697.93	-39.02	-13	PASS
GPRS850	128	0.009~0.15MHz	0.01	-68.22	-33	PASS
GPRS850	128	0.15~30MHz	0.24	-69.47	-13	PASS
GPRS850	128	30~1000MHz	959.94	-66.72	-13	PASS
GPRS850	128	1000~10000MHz	1648.43	-37.63	-13	PASS
GPRS850	190	0.009~0.15MHz	0.01	-71.91	-33	PASS
GPRS850	190	0.15~30MHz	0.16	-67.77	-13	PASS
GPRS850	190	30~1000MHz	708.45	-65.94	-13	PASS
GPRS850	190	1000~10000MHz	1673.33	-36.39	-13	PASS
GPRS850	251	0.009~0.15MHz	0.01	-70.56	-33	PASS
GPRS850	251	0.15~30MHz	0.17	-68.17	-13	PASS
GPRS850	251	30~1000MHz	950.34	-66.48	-13	PASS
GPRS850	251	1000~10000MHz	1697.63	-36.48	-13	PASS
EGPRS850	128	0.009~0.15MHz	0.01	-72.52	-33	PASS
EGPRS850	128	0.15~30MHz	0.15	-69.47	-13	PASS
EGPRS850	128	30~1000MHz	956.61	-66.56	-13	PASS
EGPRS850	128	1000~10000MHz	1648.73	-48.78	-13	PASS
EGPRS850	190	0.009~0.15MHz	0.01	-68.8	-33	PASS
EGPRS850	190	0.15~30MHz	0.32	-70.15	-13	PASS
EGPRS850	190	30~1000MHz	954.35	-66.41	-13	PASS
EGPRS850	190	1000~10000MHz	6809.76	-49.12	-13	PASS
EGPRS850	251	0.009~0.15MHz	0.01	-73.48	-33	PASS
EGPRS850	251	0.15~30MHz	0.16	-69.34	-13	PASS
EGPRS850	251	30~1000MHz	949.72	-66.82	-13	PASS

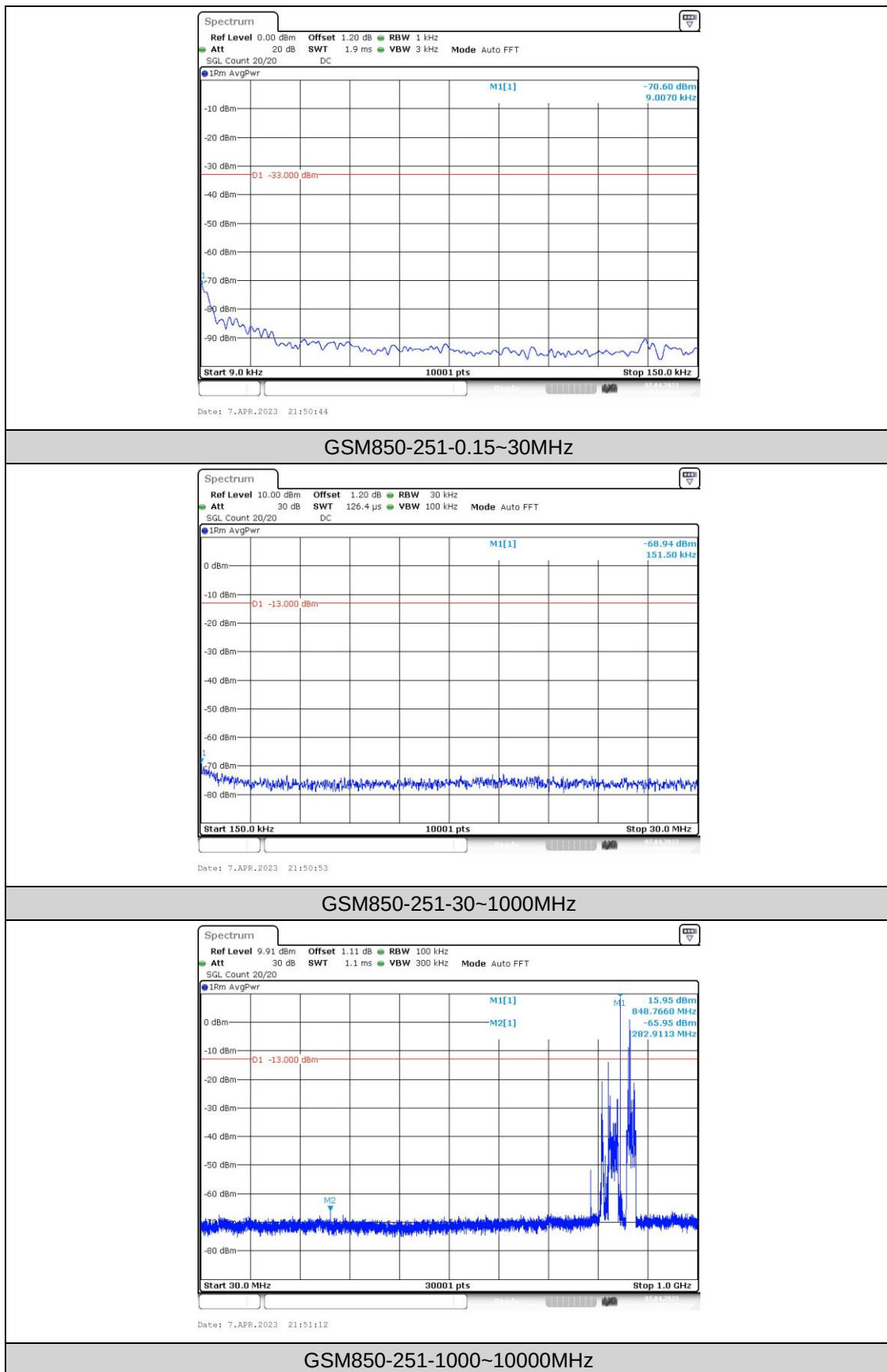
EGPRS850	251	1000~10000MHz	1697.93	-48.42	-13	PASS
GSM1900	512	0.009~0.15MHz	0.01	-54.04	-43	PASS
GSM1900	512	0.15~30MHz	0.21	-69.08	-23	PASS
GSM1900	512	30~1000MHz	889.73	-56.35	-13	PASS
GSM1900	512	1000~18000MHz	3700.17	-40.56	-13	PASS
GSM1900	661	0.009~0.15MHz	0.01	-53	-43	PASS
GSM1900	661	0.15~30MHz	0.27	-70.74	-23	PASS
GSM1900	661	30~1000MHz	889.51	-57.22	-13	PASS
GSM1900	661	1000~18000MHz	3759.67	-41.23	-13	PASS
GSM1900	810	0.009~0.15MHz	0.01	-56.41	-43	PASS
GSM1900	810	0.15~30MHz	0.18	-69.97	-23	PASS
GSM1900	810	30~1000MHz	965.55	-56.29	-13	PASS
GSM1900	810	1000~18000MHz	3819.73	-35.36	-13	PASS
GPRS1900	512	0.009~0.15MHz	0.01	-55.83	-43	PASS
GPRS1900	512	0.15~30MHz	0.2	-70.19	-23	PASS
GPRS1900	512	30~1000MHz	944.79	-56.98	-13	PASS
GPRS1900	512	1000~18000MHz	3700.17	-38.85	-13	PASS
GPRS1900	661	0.009~0.15MHz	0.01	-53.05	-43	PASS
GPRS1900	661	0.15~30MHz	0.24	-70.08	-23	PASS
GPRS1900	661	30~1000MHz	892.16	-57.29	-13	PASS
GPRS1900	661	1000~18000MHz	3760.23	-36.83	-13	PASS
GPRS1900	810	0.009~0.15MHz	0.01	-55.3	-43	PASS
GPRS1900	810	0.15~30MHz	0.15	-70.05	-23	PASS
GPRS1900	810	30~1000MHz	958.41	-56.95	-13	PASS
GPRS1900	810	1000~18000MHz	3819.73	-35.43	-13	PASS
EGPRS1900	512	0.009~0.15MHz	0.02	-56.11	-43	PASS
EGPRS1900	512	0.15~30MHz	0.15	-67.83	-23	PASS
EGPRS1900	512	30~1000MHz	864.09	-56.08	-13	PASS
EGPRS1900	512	1000~18000MHz	6592.43	-49.58	-13	PASS
EGPRS1900	661	0.009~0.15MHz	0.02	-54.89	-43	PASS
EGPRS1900	661	0.15~30MHz	0.15	-66.23	-23	PASS
EGPRS1900	661	30~1000MHz	862.83	-56.19	-13	PASS
EGPRS1900	661	1000~18000MHz	3760.23	-44.26	-13	PASS
EGPRS1900	810	0.009~0.15MHz	0.02	-55.01	-43	PASS
EGPRS1900	810	0.15~30MHz	0.28	-69.72	-23	PASS
EGPRS1900	810	30~1000MHz	962.12	-56.56	-13	PASS
EGPRS1900	810	1000~18000MHz	3819.73	-40.83	-13	PASS

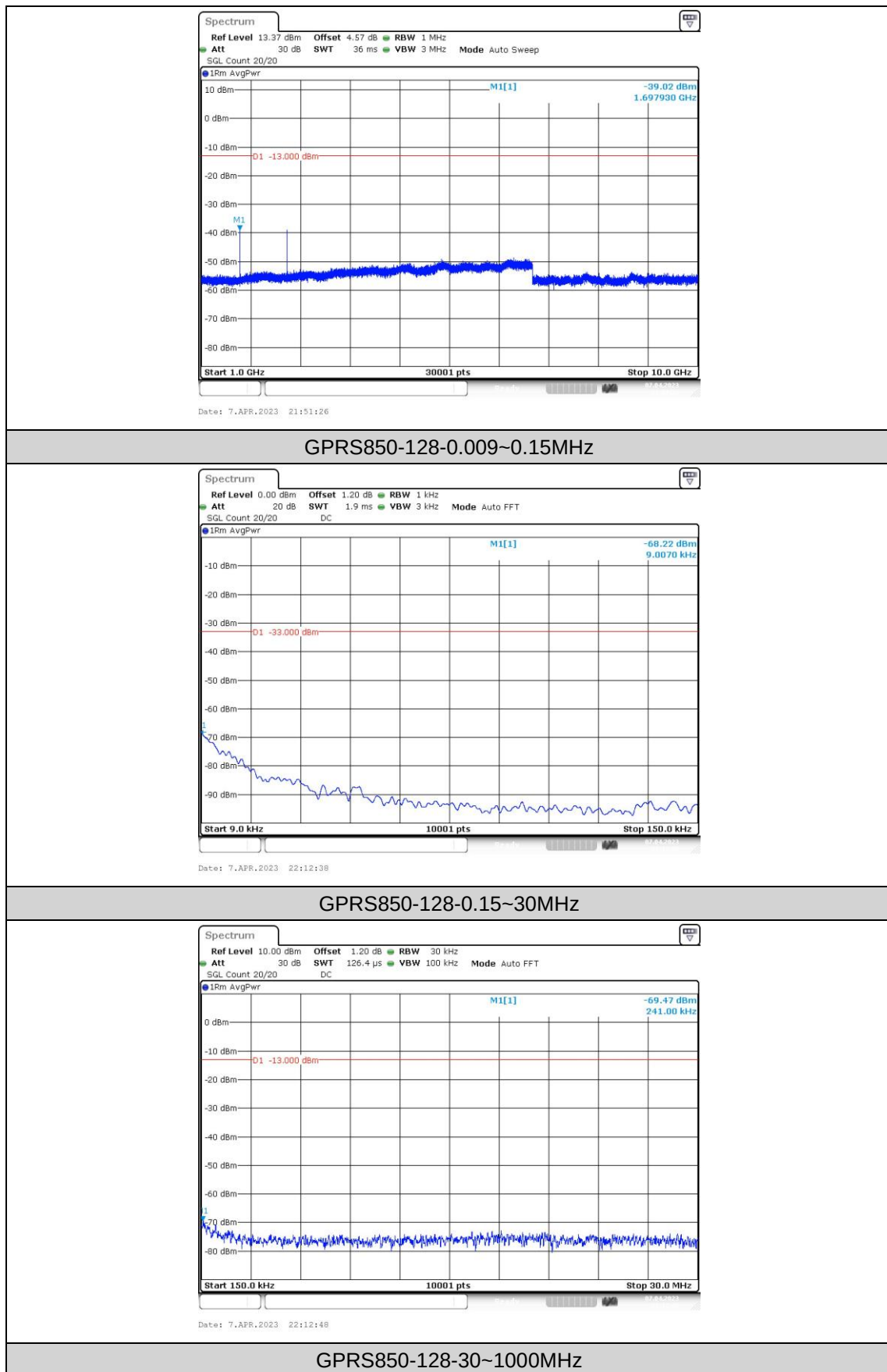
Test Graphs

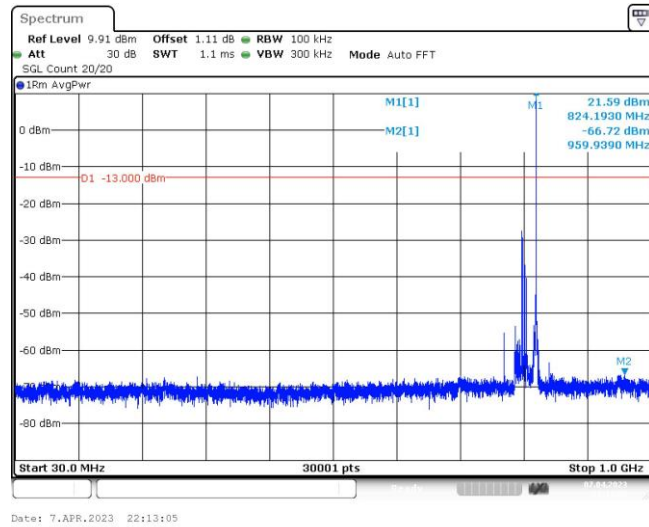




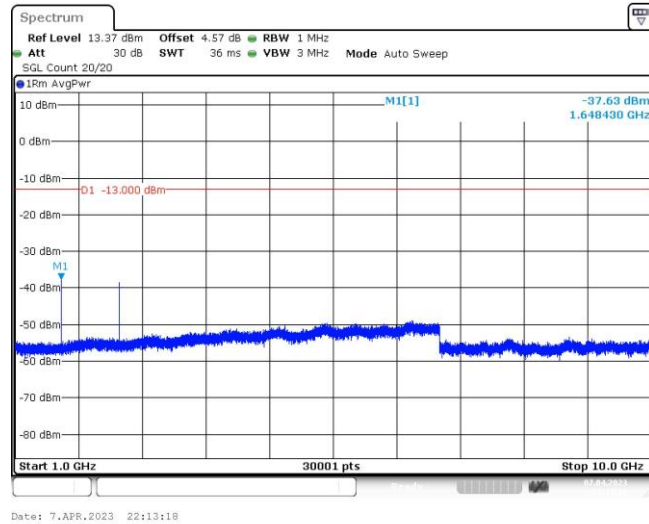




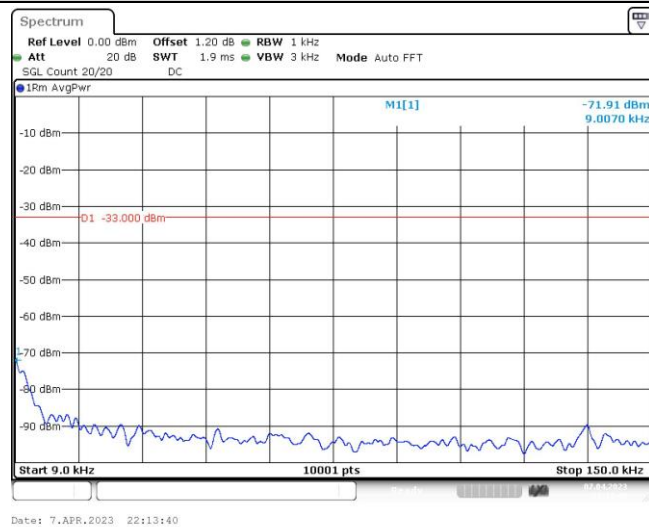




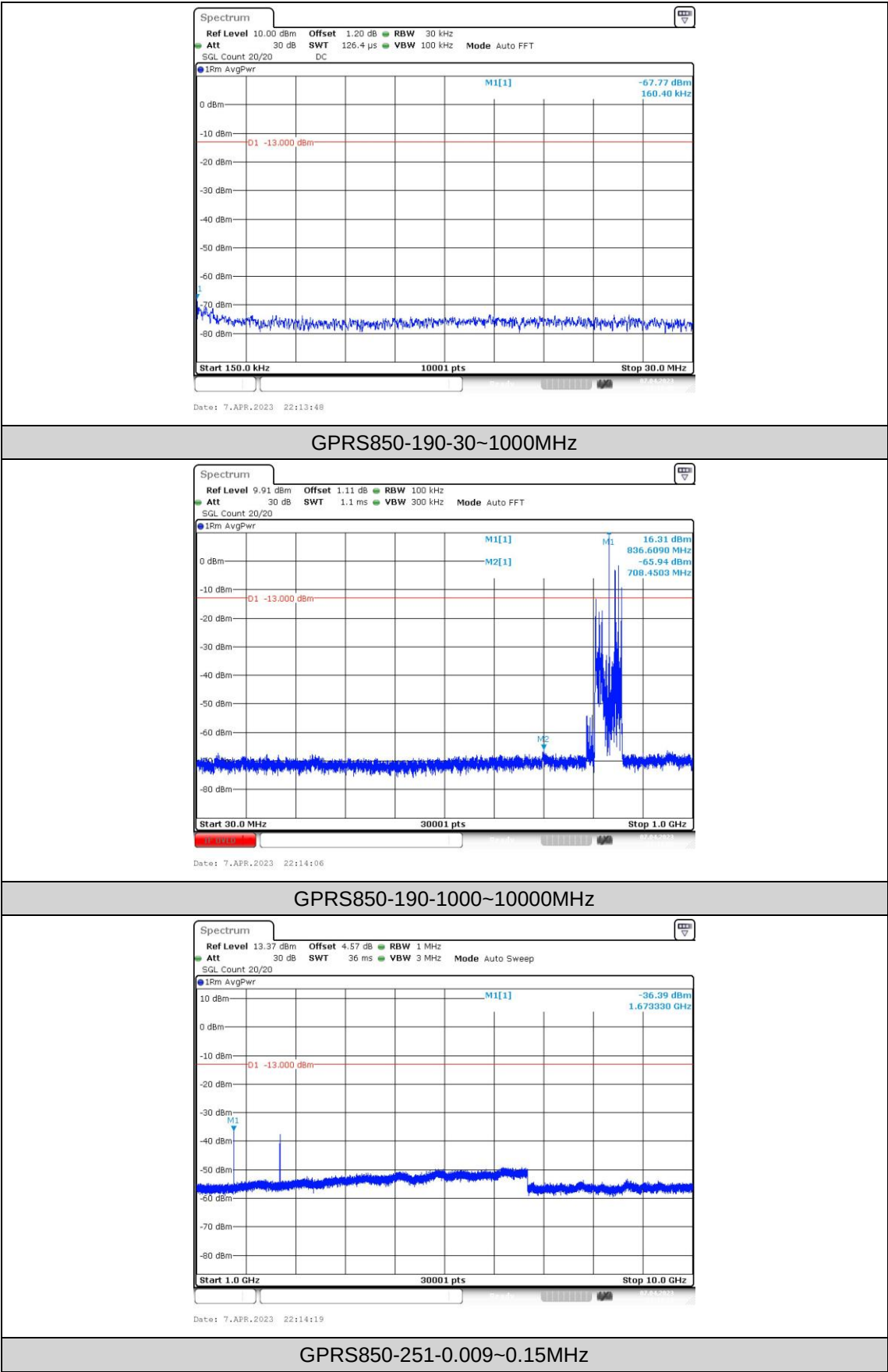
GPRS850-128-1000~10000MHz

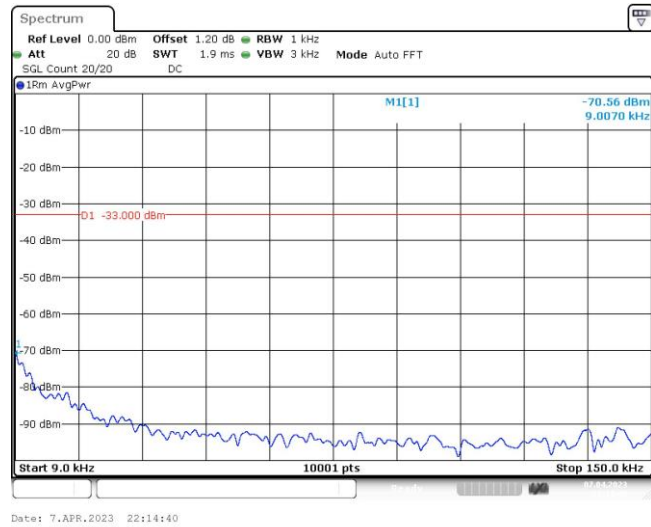


GPRS850-190-0.009~0.15MHz

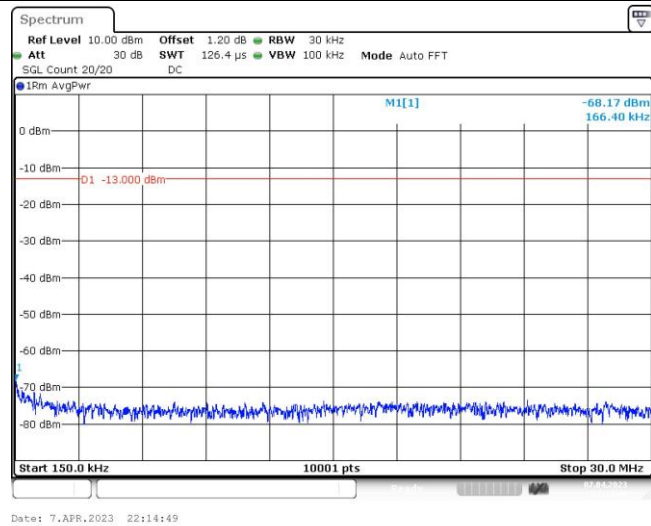


GPRS850-190-0.15~30MHz

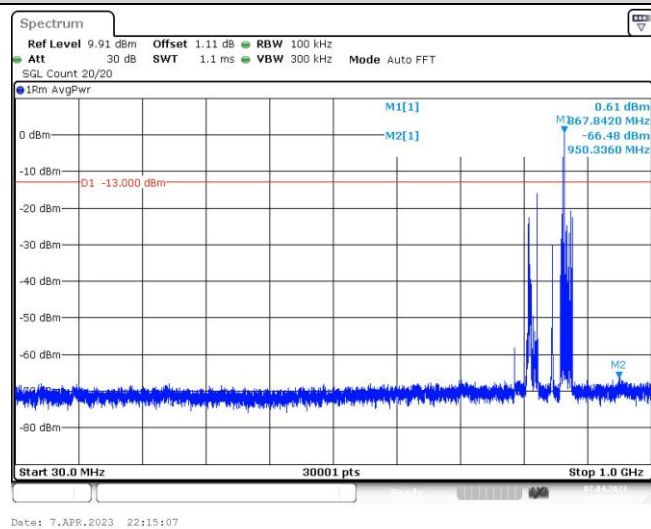




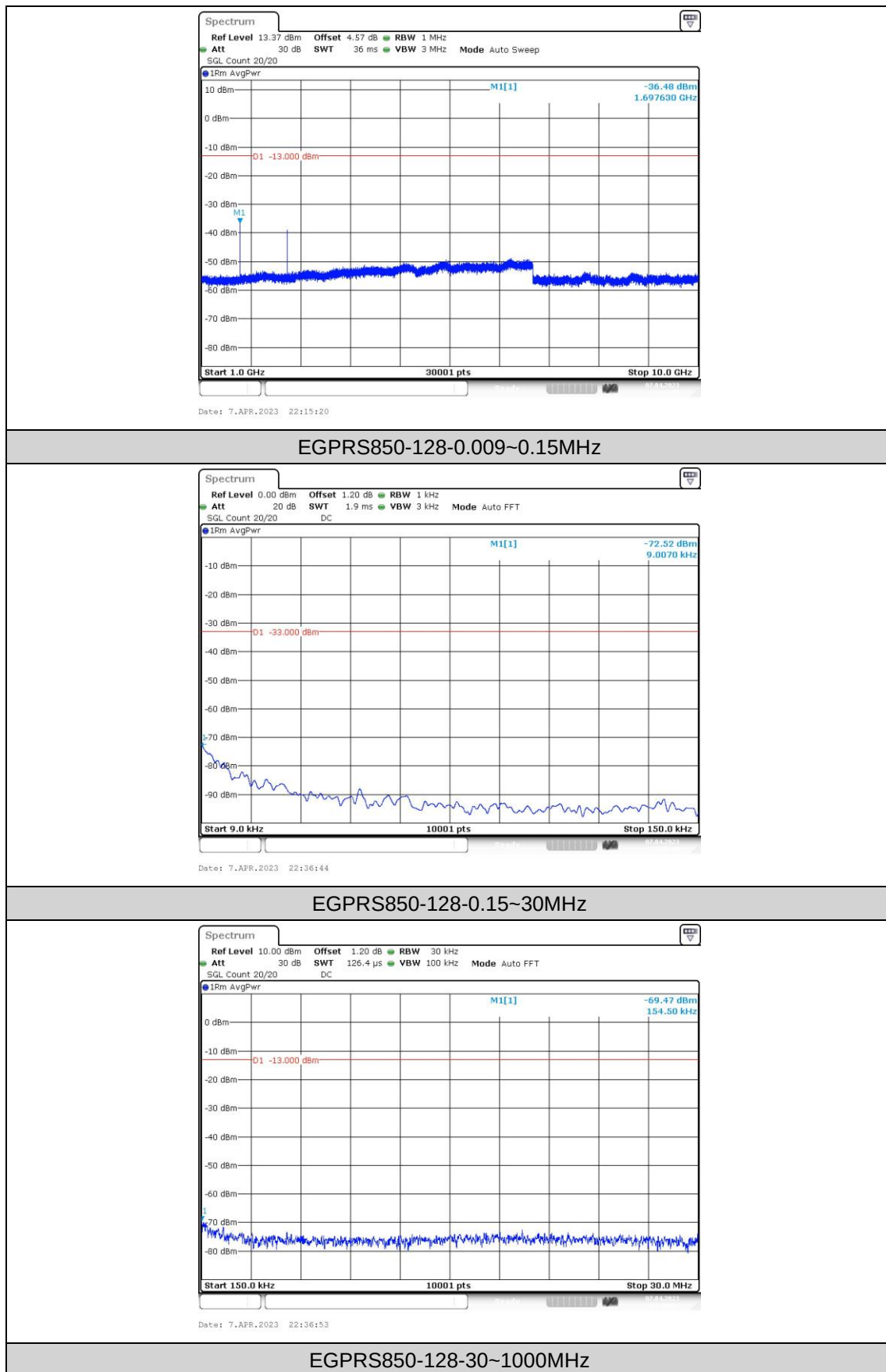
GPRS850-251-0.15~30MHz

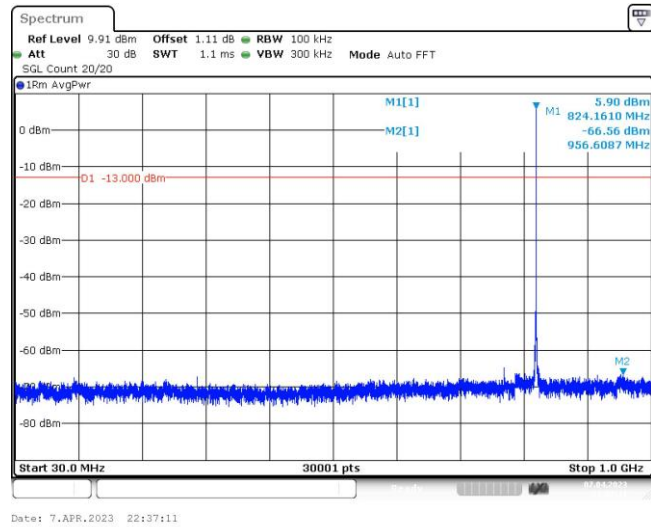


GPRS850-251-30~1000MHz

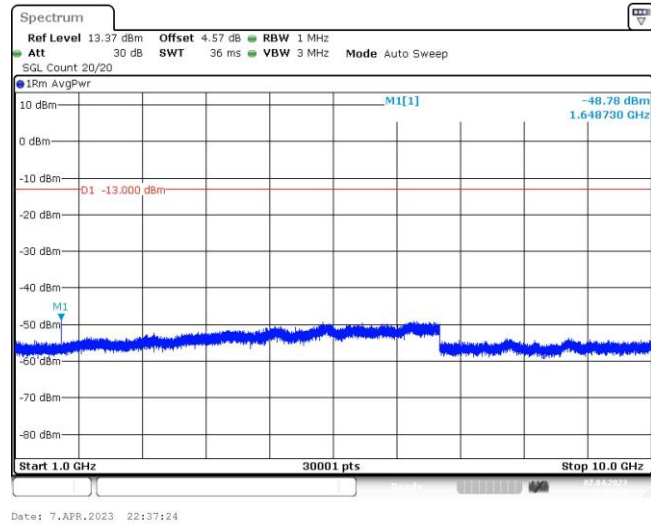


GPRS850-251-1000~10000MHz

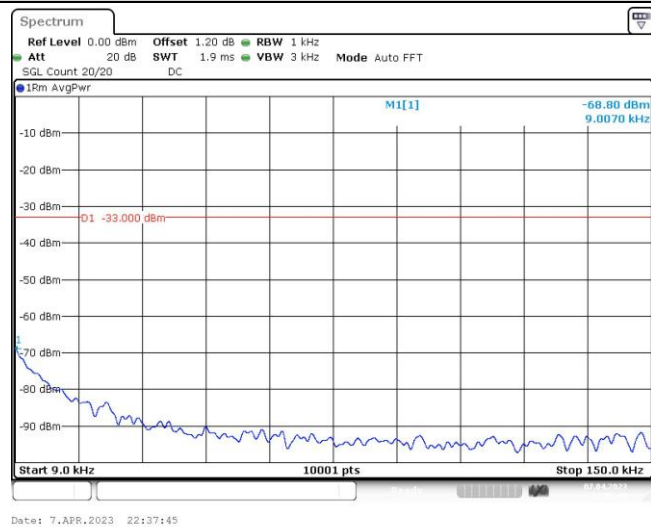




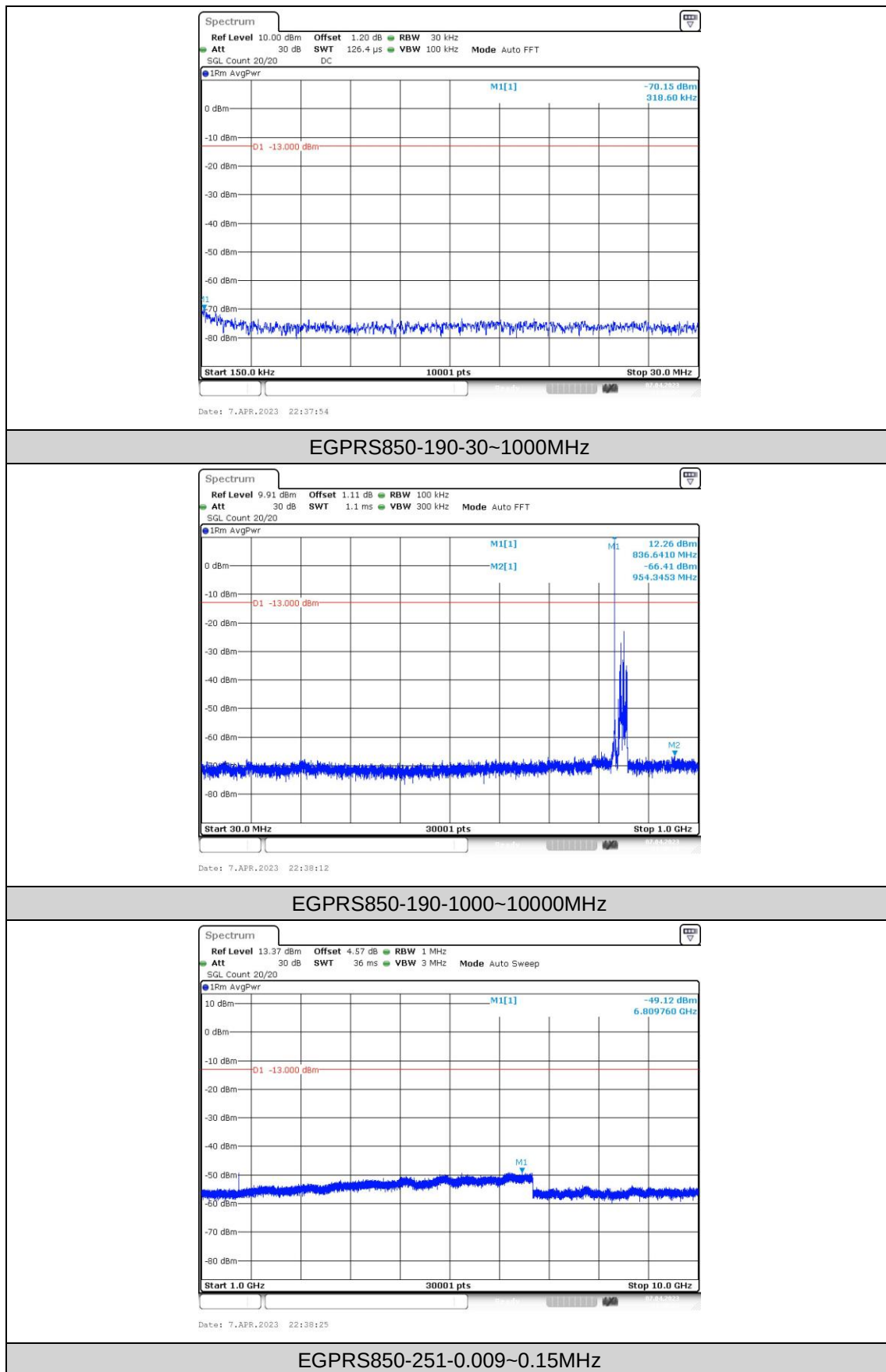
EGPRS850-128-1000~10000MHz

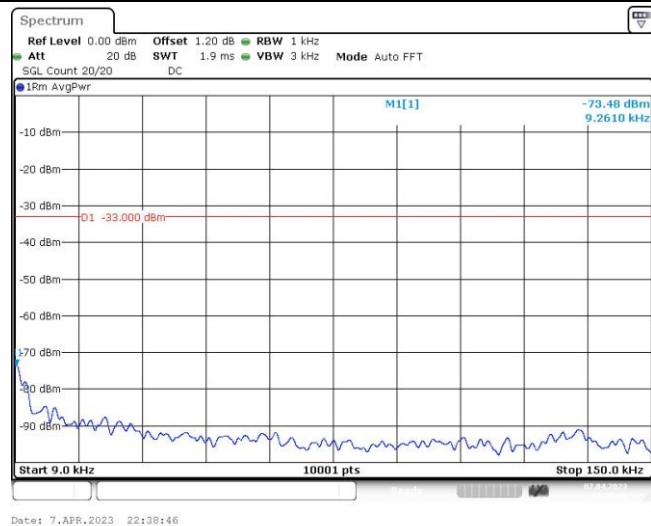


EGPRS850-190-0.009~0.15MHz

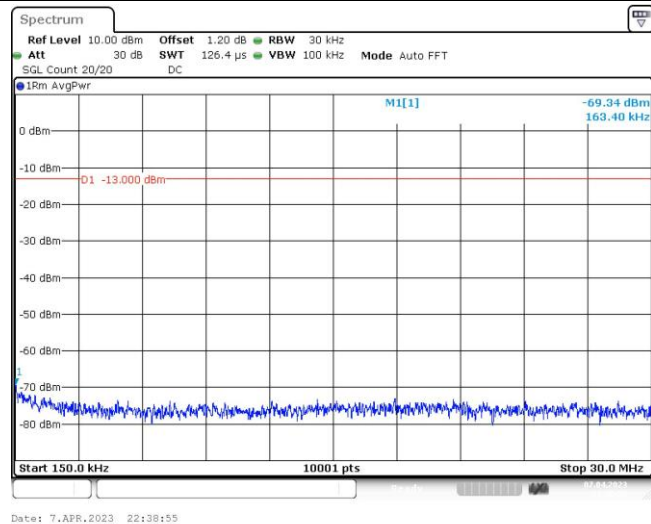


EGPRS850-190-0.15~30MHz

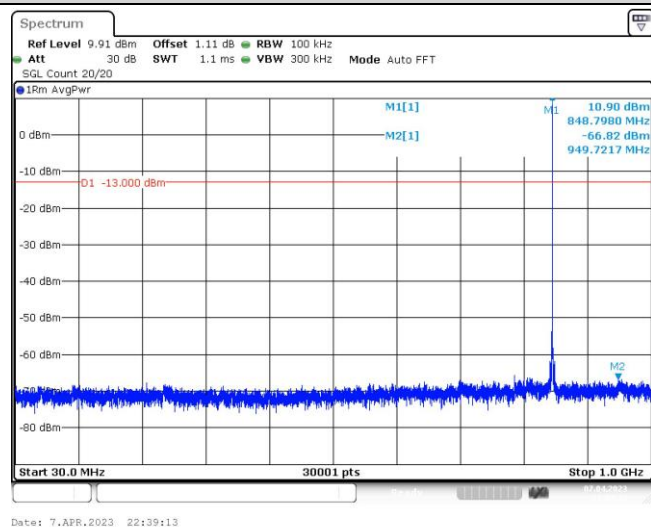




EGPRS850-251-0.15~30MHz



EGPRS850-251-30~1000MHz



EGPRS850-251-1000~10000MHz

