

Appendix: GSM

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Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	Power(dBm)	ERP/EIRP(dBm)	Limit(dBm)	Verdict
GSM850	128	33.70	31.55	38.45	PASS
GSM850	190	33.80	31.65	38.45	PASS
GSM850	251	33.53	31.38	38.45	PASS
GSM1900	512	20.94	20.94	33	PASS
GSM1900	661	21.61	21.61	33	PASS
GSM1900	810	21.92	21.92	33	PASS

Band	Channel	Up Slot Num	Power(dBm)	ERP/EIRP(dBm)	Limit(dBm)	Verdict
GPRS850	128	1	33.72	31.57	38.45	PASS
GPRS850	128	2	33.60	31.45	38.45	PASS
GPRS850	128	3	33.47	31.32	38.45	PASS
GPRS850	128	4	33.33	31.18	38.45	PASS
GPRS850	190	1	33.71	31.56	38.45	PASS
GPRS850	190	2	33.65	31.5	38.45	PASS
GPRS850	190	3	33.54	31.39	38.45	PASS
GPRS850	190	4	33.40	31.25	38.45	PASS
GPRS850	251	1	33.42	31.27	38.45	PASS
GPRS850	251	2	33.36	31.21	38.45	PASS
GPRS850	251	3	33.23	31.08	38.45	PASS

GPRS850	251	4	33.09	30.94	38.45	PASS
GPRS1900	512	1	20.96	20.96	33	PASS
GPRS1900	512	2	20.84	20.84	33	PASS
GPRS1900	512	3	20.69	20.69	33	PASS
GPRS1900	512	4	20.53	20.53	33	PASS
GPRS1900	661	1	21.55	21.55	33	PASS
GPRS1900	661	2	21.47	21.47	33	PASS
GPRS1900	661	3	21.32	21.32	33	PASS
GPRS1900	661	4	21.16	21.16	33	PASS
GPRS1900	810	1	21.84	21.84	33	PASS
GPRS1900	810	2	21.76	21.76	33	PASS
GPRS1900	810	3	21.62	21.62	33	PASS
GPRS1900	810	4	21.45	21.45	33	PASS

Band	Channel	Up Slot Num	Power(dBm)	ERP/EIRP(dBm)	Limit(dBm)	Verdict
EGPRS850	128	1	27.70	25.55	38.45	PASS
EGPRS850	128	2	27.60	25.45	38.45	PASS
EGPRS850	128	3	27.45	25.3	38.45	PASS
EGPRS850	128	4	27.31	25.16	38.45	PASS
EGPRS850	190	1	27.51	25.36	38.45	PASS
EGPRS850	190	2	27.45	25.3	38.45	PASS
EGPRS850	190	3	27.36	25.21	38.45	PASS
EGPRS850	190	4	27.21	25.06	38.45	PASS

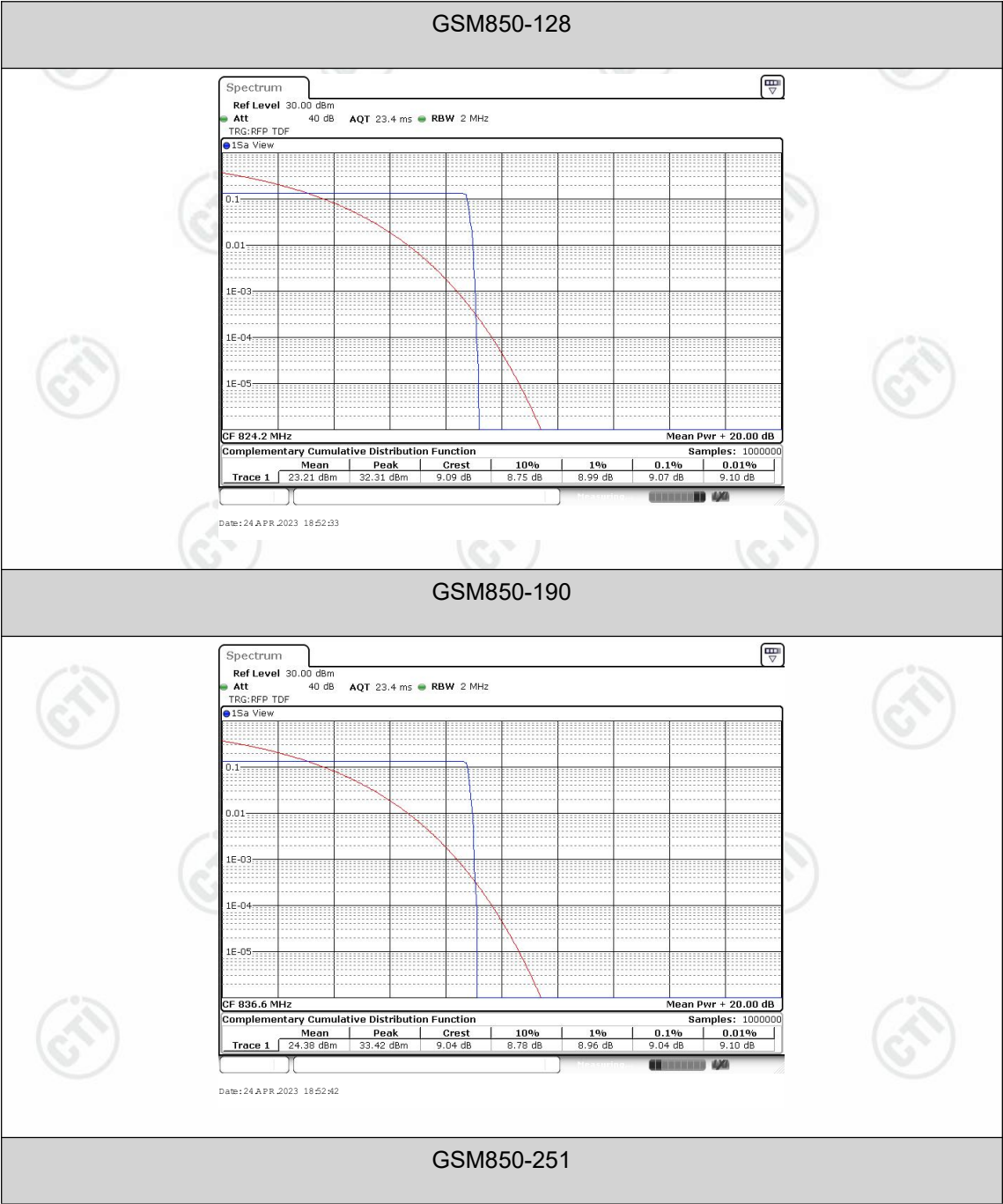
EGPRS850	251	1	27.12	24.97	38.45	PASS
EGPRS850	251	2	27.05	24.9	38.45	PASS
EGPRS850	251	3	26.94	24.79	38.45	PASS
EGPRS850	251	4	26.79	24.64	38.45	PASS
EGPRS1900	512	1	21.01	21.01	33	PASS
EGPRS1900	512	2	20.88	20.88	33	PASS
EGPRS1900	512	3	20.70	20.7	33	PASS
EGPRS1900	512	4	20.57	20.57	33	PASS
EGPRS1900	661	1	21.66	21.66	33	PASS
EGPRS1900	661	2	21.53	21.53	33	PASS
EGPRS1900	661	3	21.43	21.43	33	PASS
EGPRS1900	661	4	21.22	21.22	33	PASS
EGPRS1900	810	1	21.99	21.99	33	PASS
EGPRS1900	810	2	21.93	21.93	33	PASS
EGPRS1900	810	3	21.78	21.78	33	PASS
EGPRS1900	810	4	21.56	21.56	33	PASS

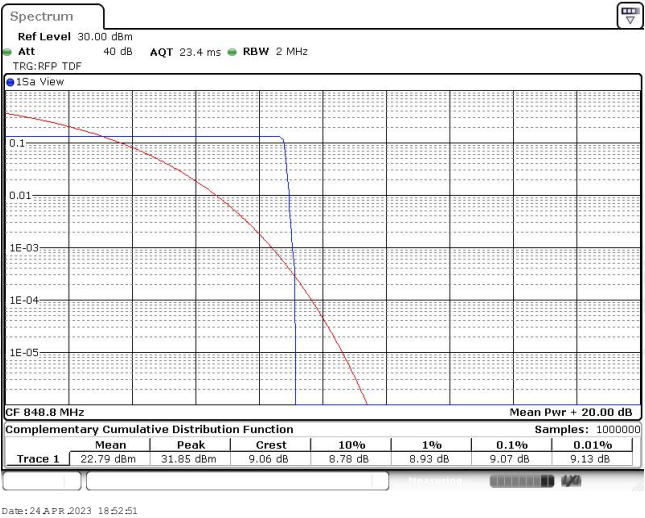
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

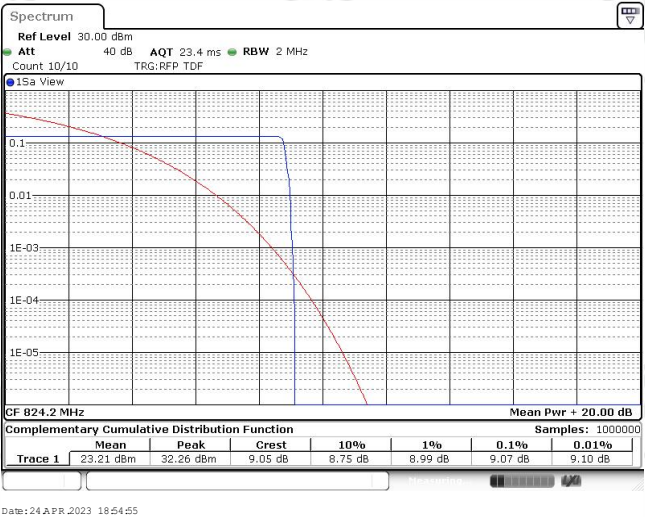
Band	Channel	PCL	Result(dB)	Limit(dB)	Verdict
GSM850	128	3	9.07	13	PASS
GSM850	190	3	9.04	13	PASS
GSM850	251	3	9.07	13	PASS
GPRS850	128	3	9.07	13	PASS
GPRS850	190	3	9.04	13	PASS
GPRS850	251	3	9.07	13	PASS
EGPRS850	128	8	12.81	13	PASS
EGPRS850	190	8	12.09	13	PASS
EGPRS850	251	8	11.97	13	PASS
GSM1900	512	0	9.1	13	PASS
GSM1900	661	0	9.07	13	PASS
GSM1900	810	0	9.13	13	PASS
GPRS1900	512	0	9.88	13	PASS
GPRS1900	661	0	9.01	13	PASS
GPRS1900	810	0	9.91	13	PASS
EGPRS1900	512	2	12.81	13	PASS
EGPRS1900	661	2	12.03	13	PASS
EGPRS1900	810	2	12.06	13	PASS

Test Graphs

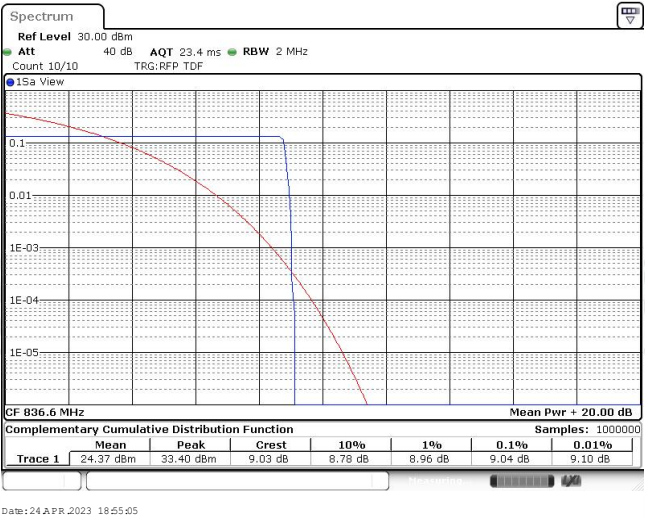




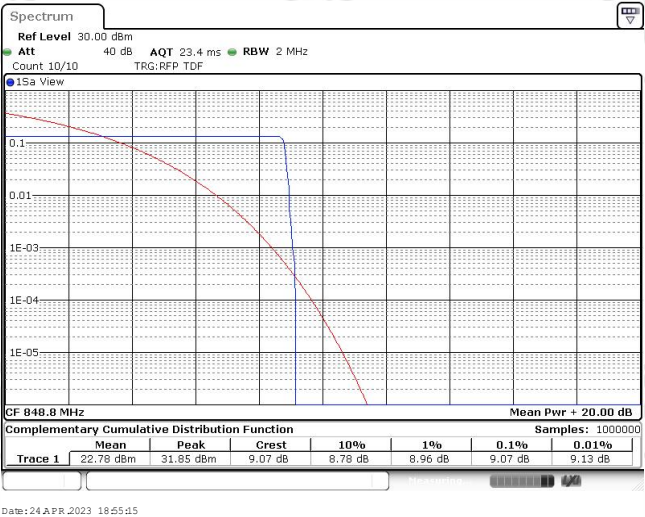
GPRS850-128



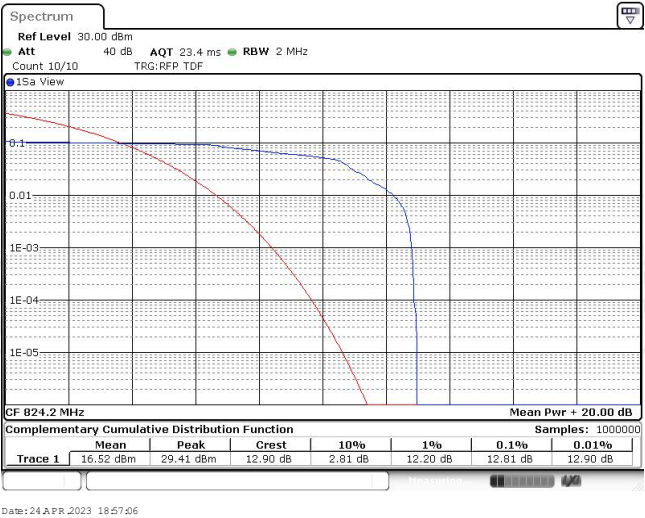
GPRS850-190



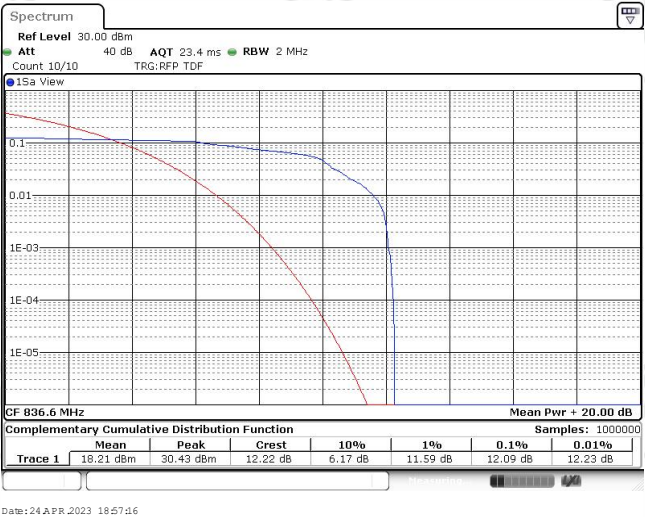
GPRS850-251



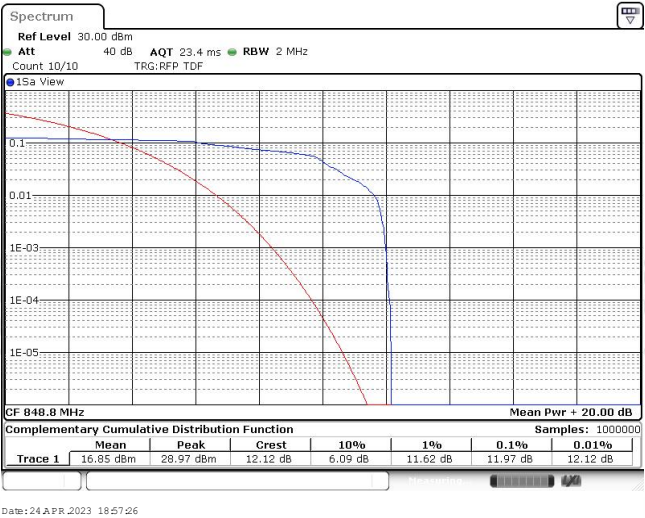
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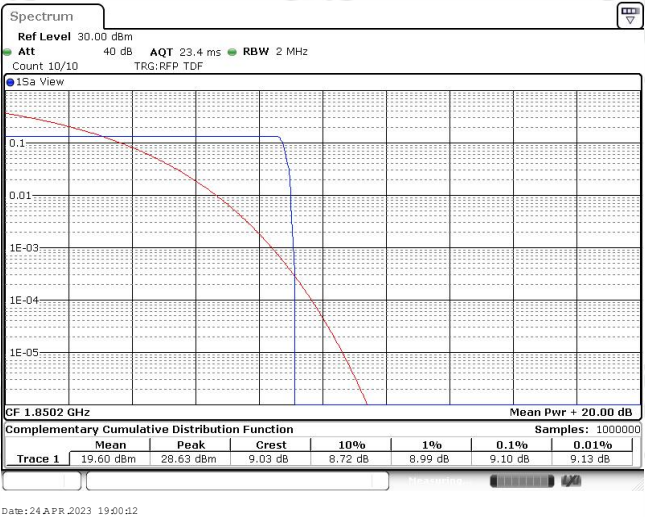
EGPRS850-190



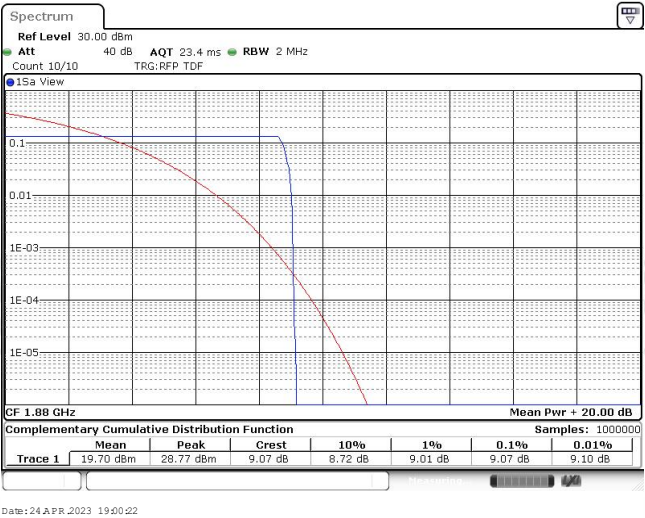
EGPRS850-251



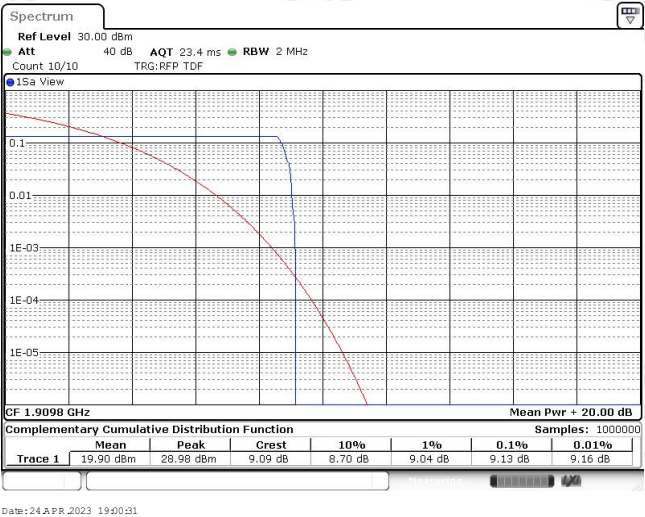
GSM1900-512



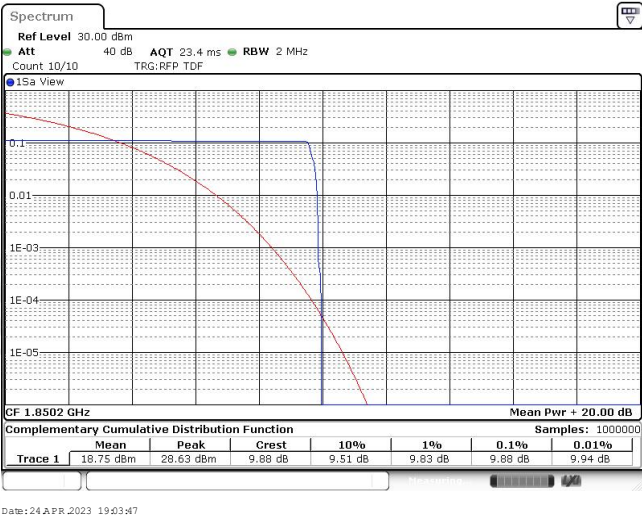
GSM1900-661



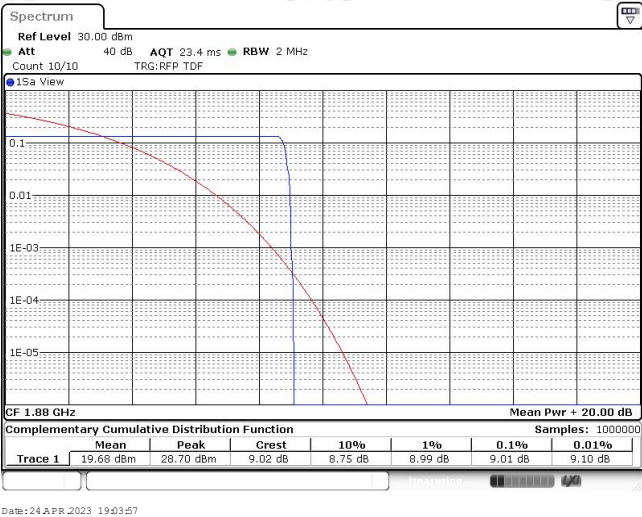
GSM1900-810



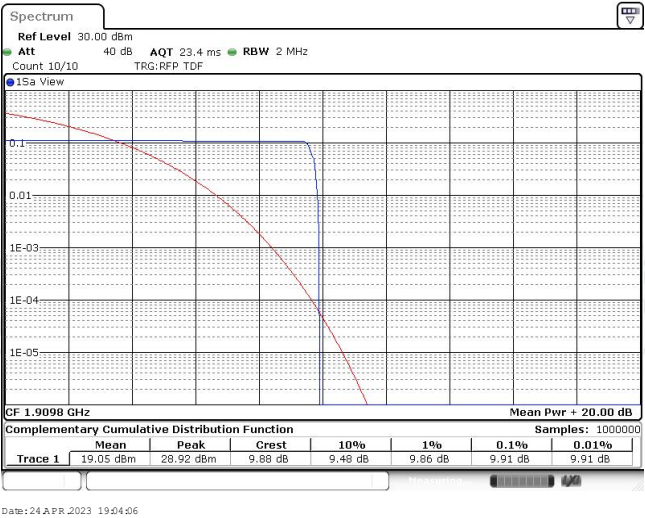
GPRS1900-512



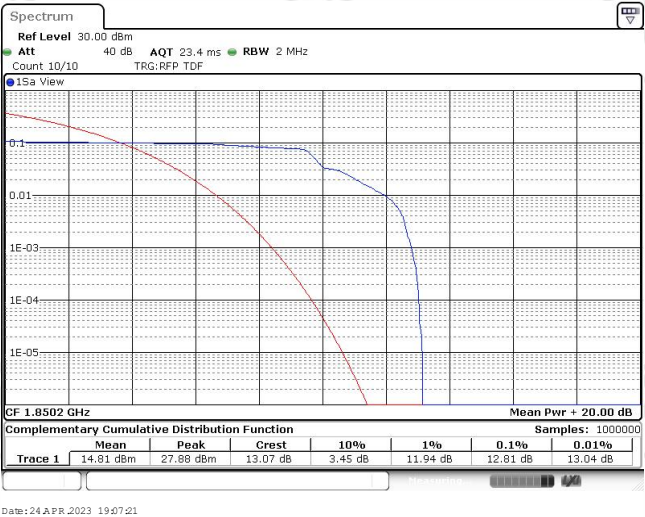
GPRS1900-661



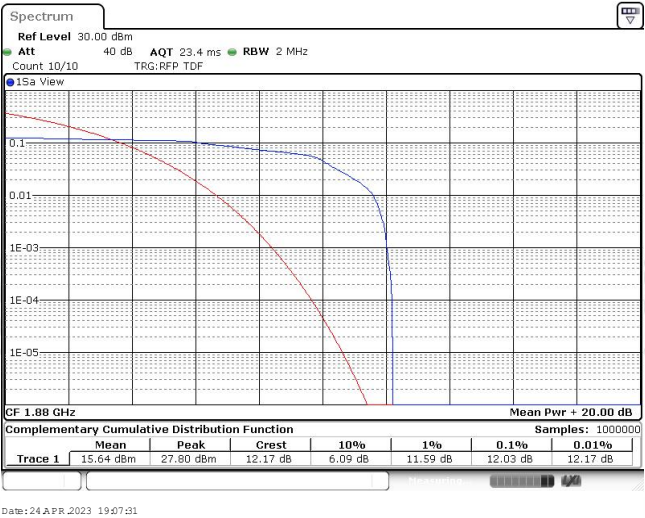
GPRS1900-810



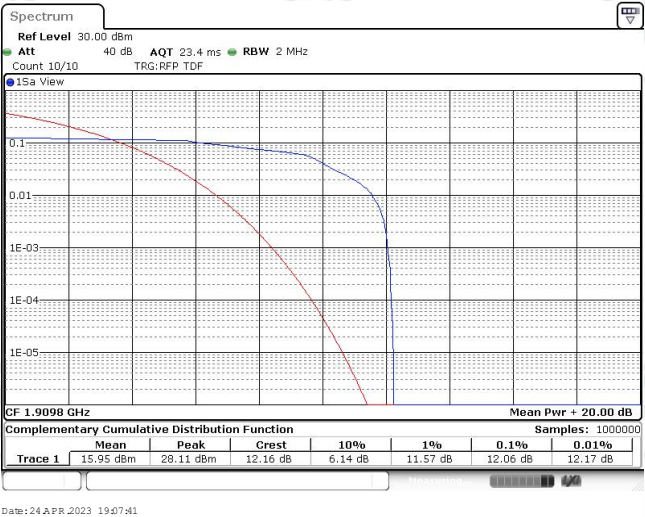
EGPRS1900-512



EGPRS1900-661



EGPRS1900-810

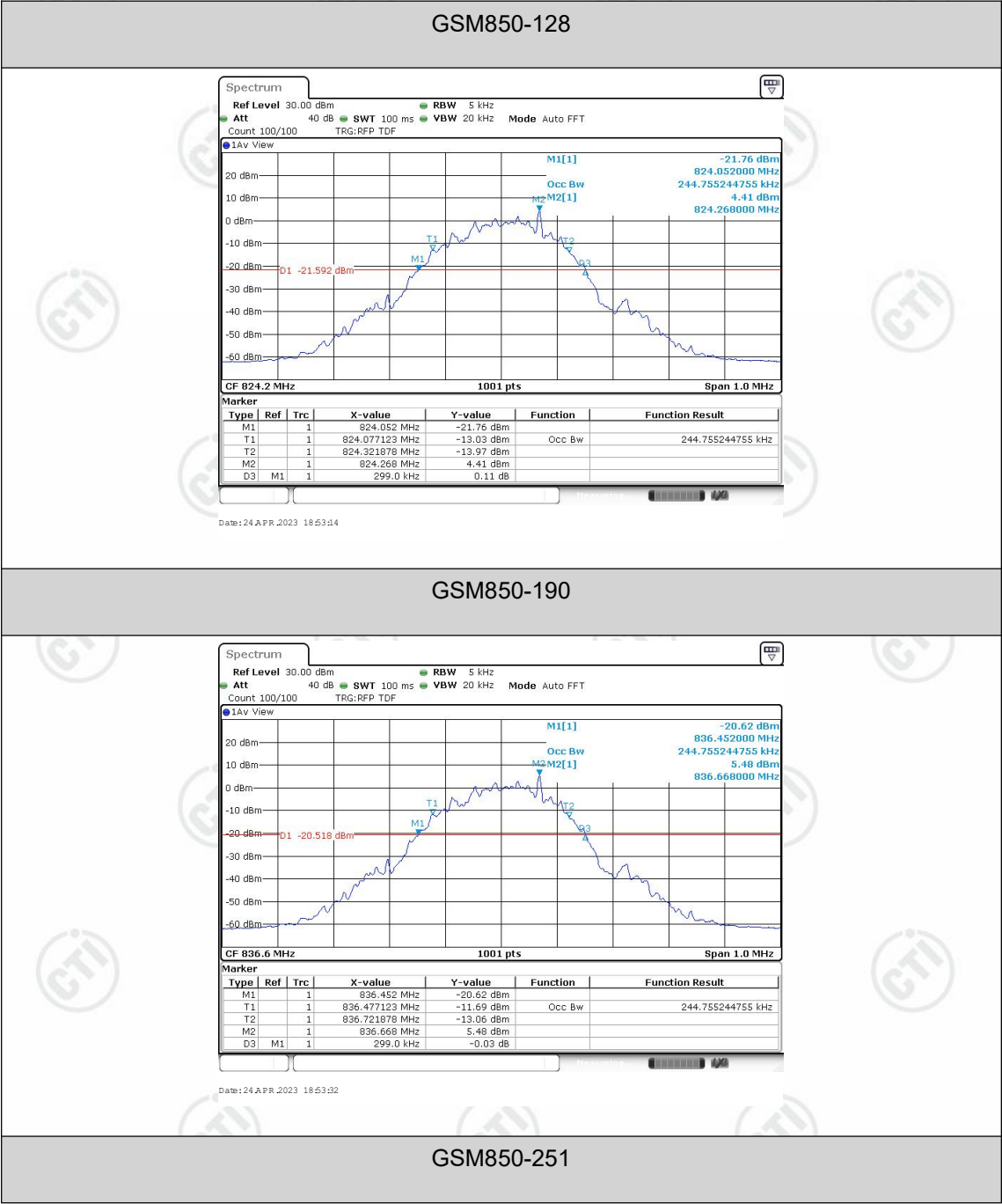


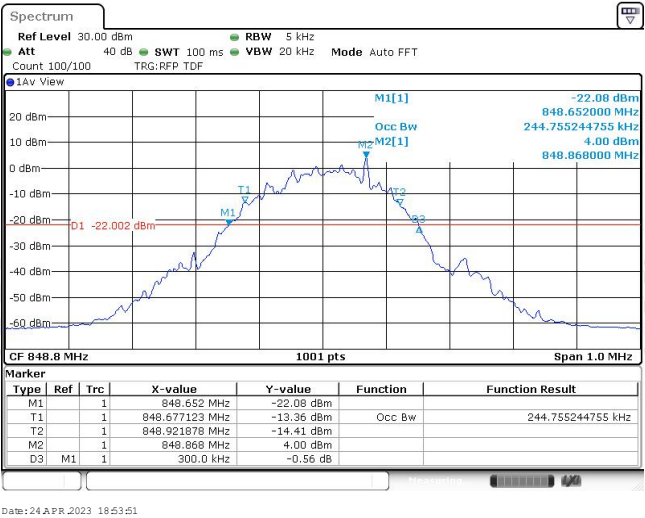
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

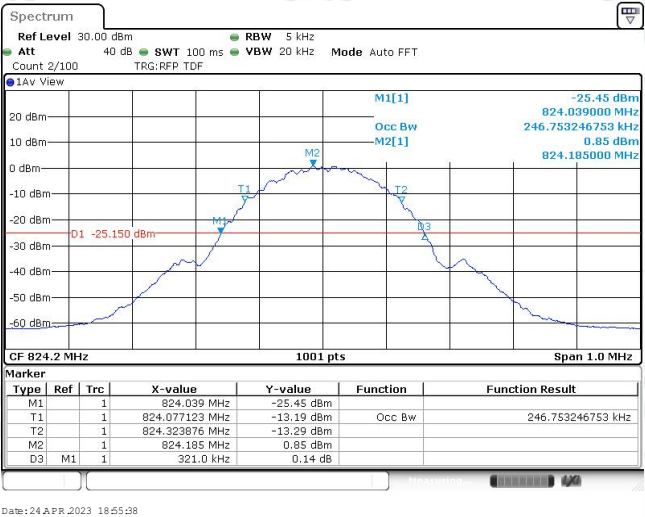
Band	Channel	PCL	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	3	0.245	0.299	---	PASS
GSM850	190	3	0.245	0.299	---	PASS
GSM850	251	3	0.245	0.300	---	PASS
GPRS850	128	3	0.247	0.321	---	PASS
GPRS850	190	3	0.247	0.320	---	PASS
GPRS850	251	3	0.247	0.322	---	PASS
EGPRS850	128	8	0.245	0.310	---	PASS
EGPRS850	190	8	0.245	0.311	---	PASS
EGPRS850	251	8	0.245	0.310	---	PASS
GSM1900	512	0	0.245	0.300	---	PASS
GSM1900	661	0	0.245	0.301	---	PASS
GSM1900	810	0	0.245	0.300	---	PASS
GPRS1900	512	0	0.247	0.321	---	PASS
GPRS1900	661	0	0.247	0.320	---	PASS
GPRS1900	810	0	0.246	0.320	---	PASS
EGPRS1900	512	2	0.244	0.314	---	PASS
EGPRS1900	661	2	0.244	0.313	---	PASS
EGPRS1900	810	2	0.245	0.315	---	PASS

Test Graphs

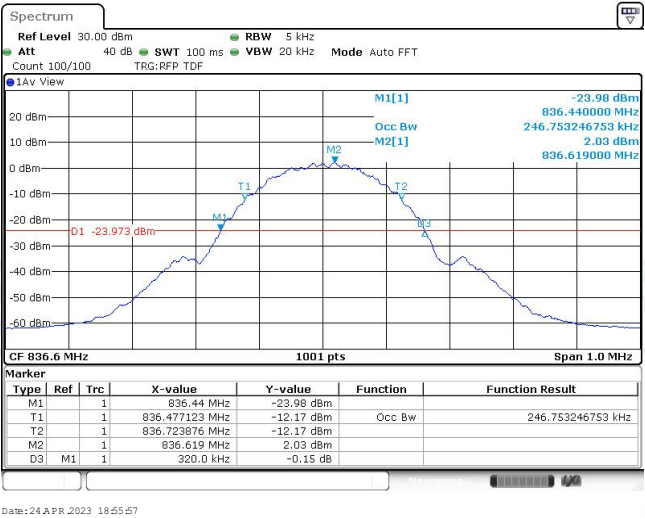




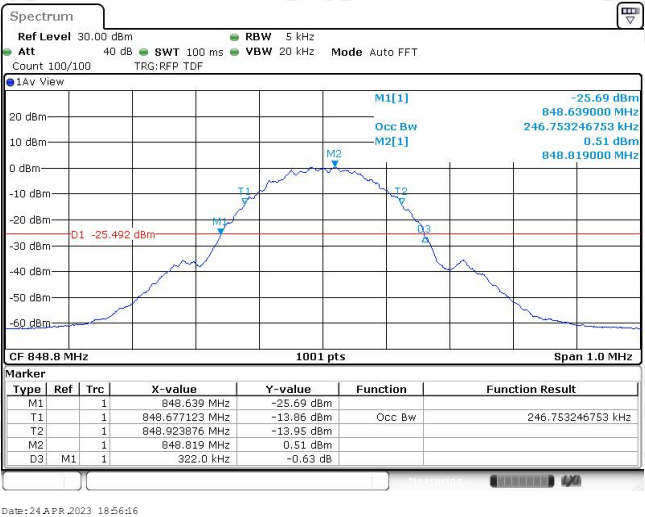
GPRS850-128



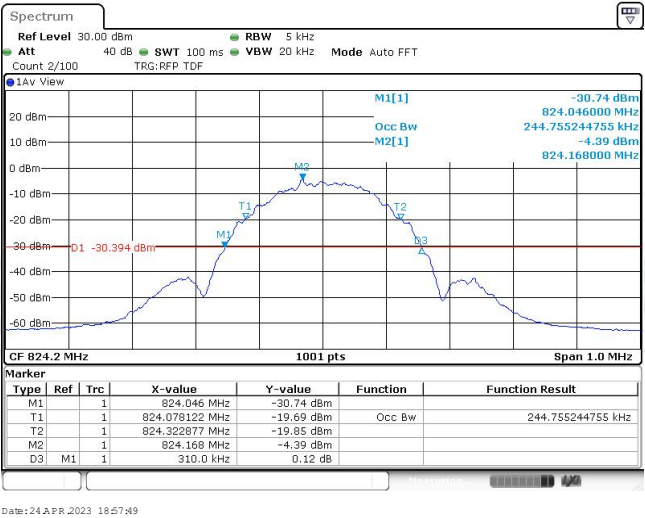
GPRS850-190



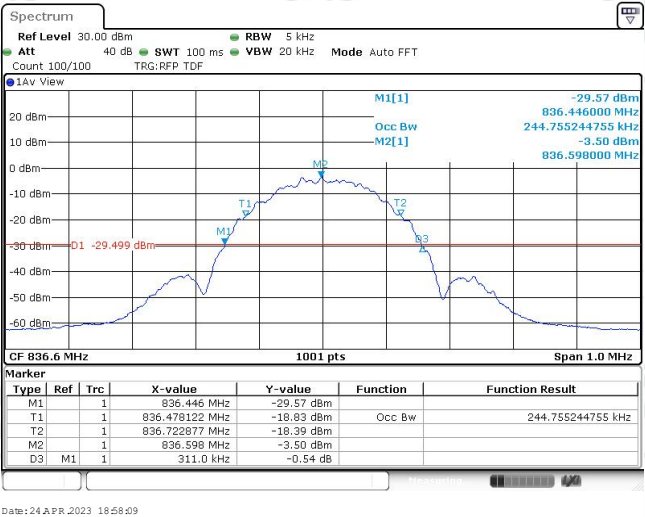
GPRS850-251



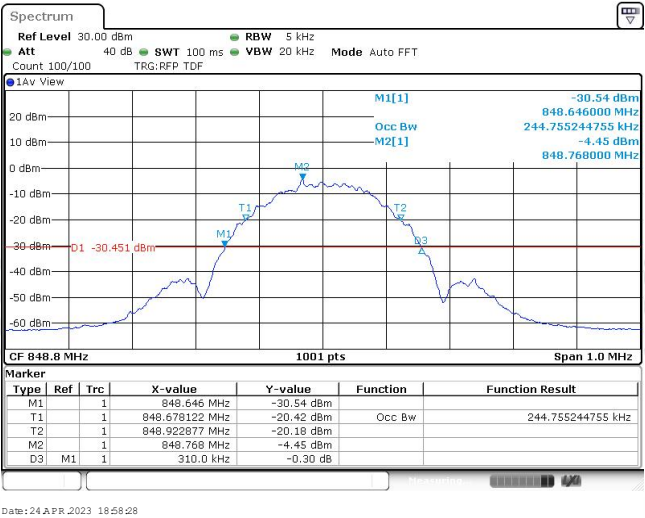
EGPRS850-128



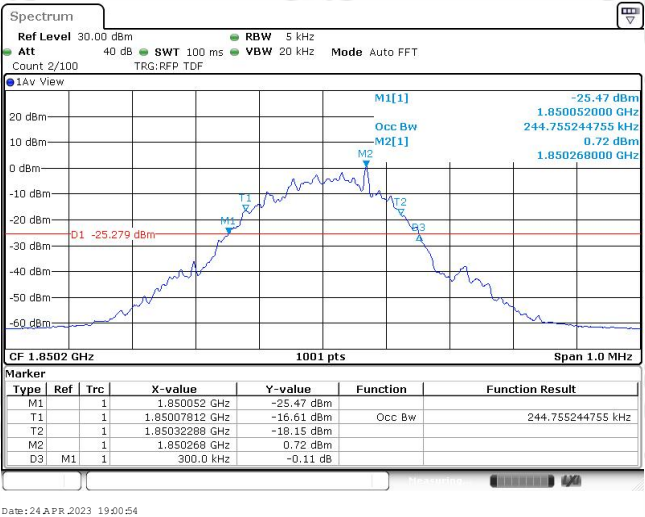
EGPRS850-190



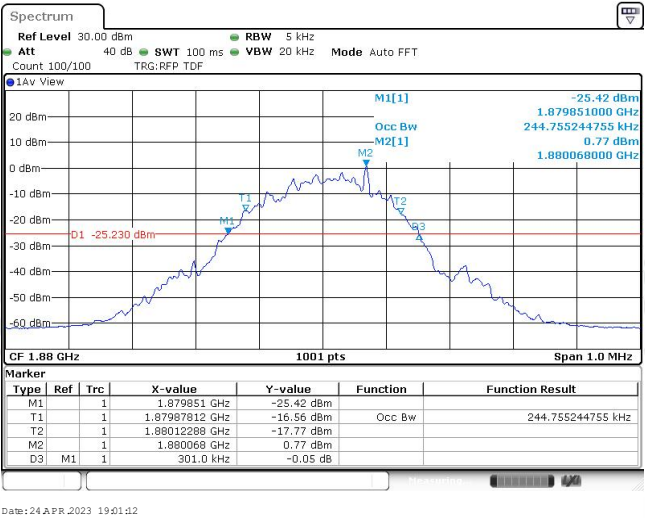
EGPRS850-251



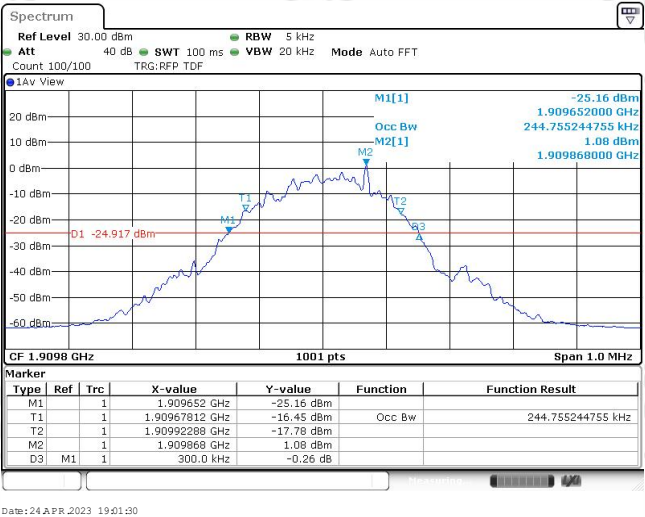
GSM1900-512



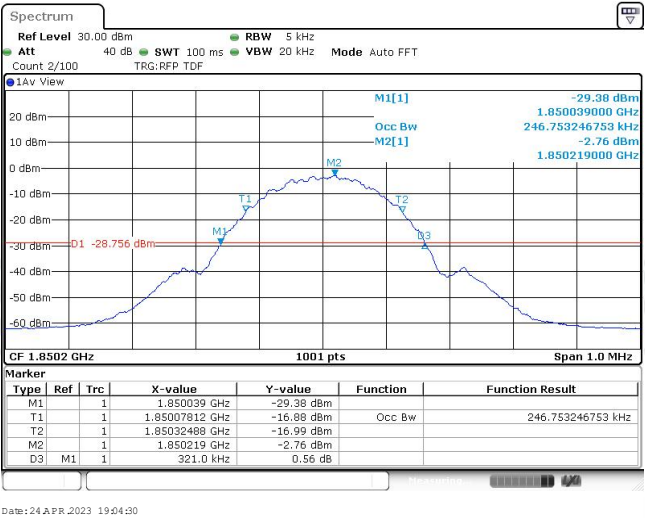
GSM1900-661



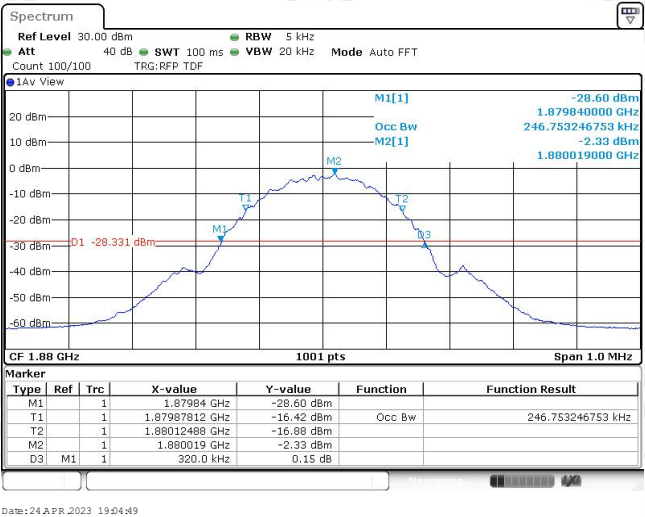
GSM1900-810



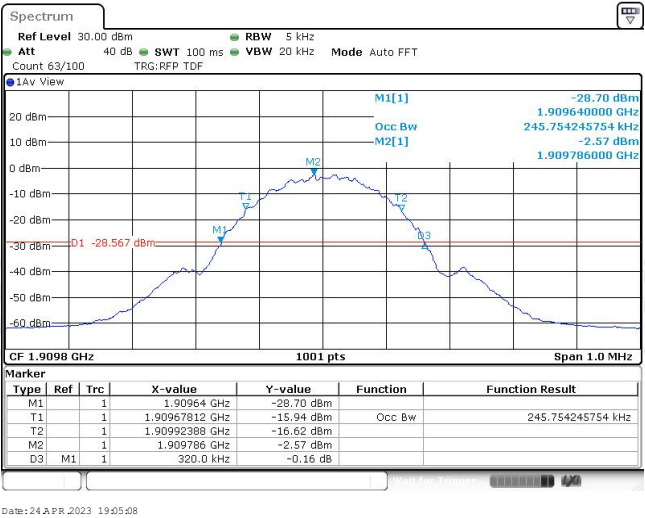
GPRS1900-512



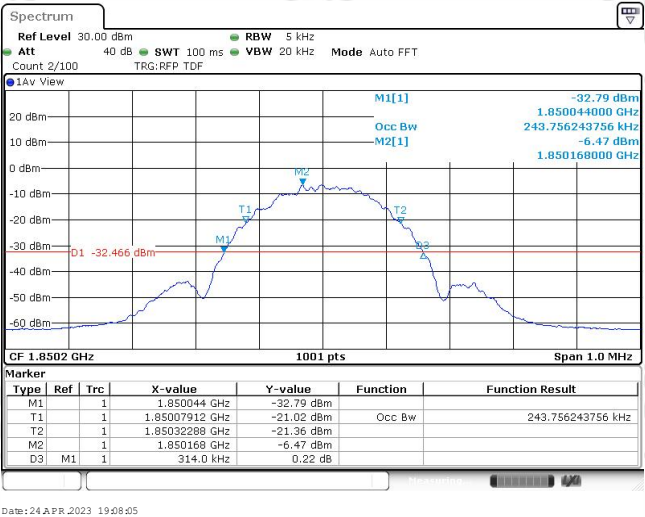
GPRS1900-661



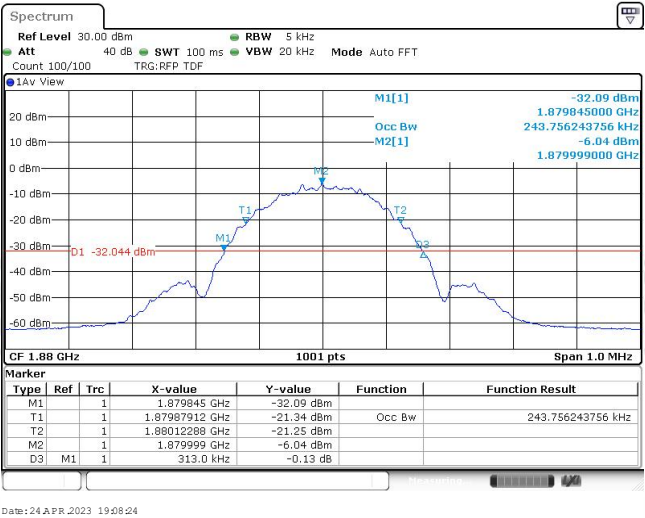
GPRS1900-810



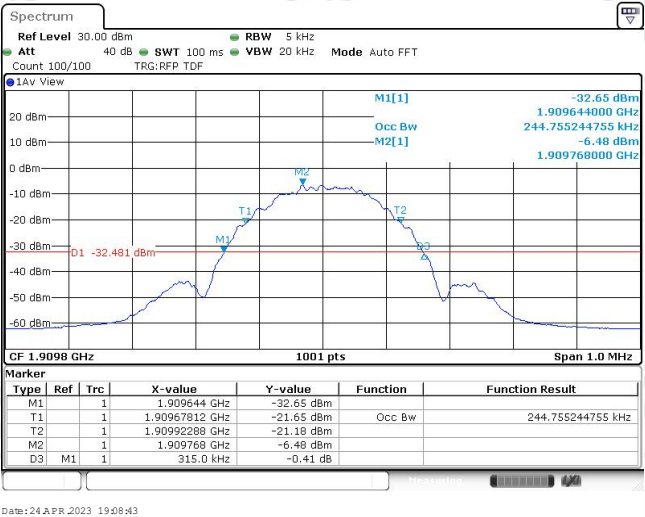
EGPRS1900-512



EGPRS1900-661



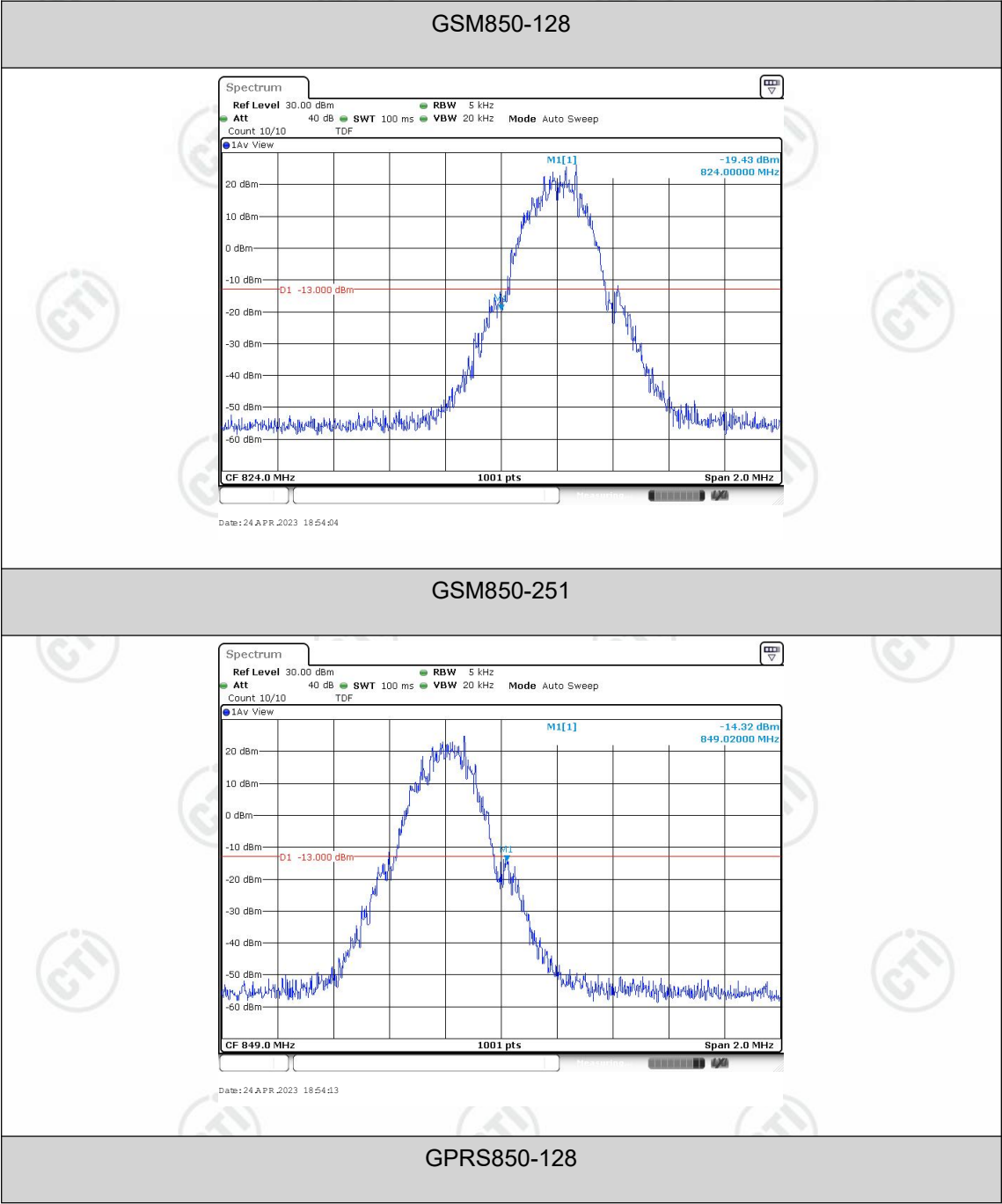
EGPRS1900-810

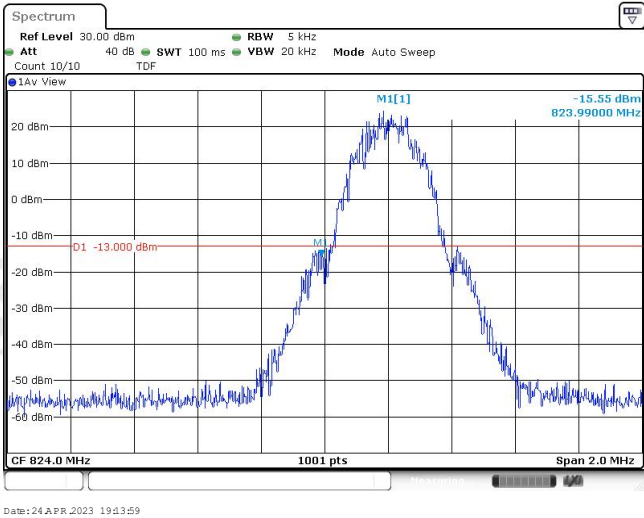


Appendix D: Band Edge**Test Result**

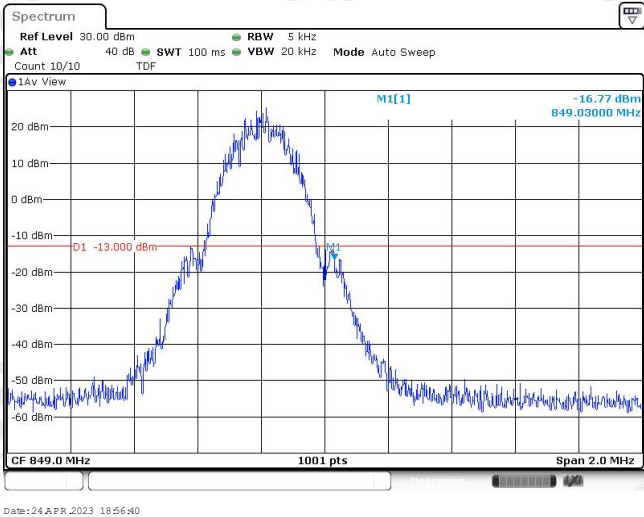
Band	Channel	PCL	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	3	824.00	-13.75	-13	PASS
GSM850	251	3	849.02	-13.22	-13	PASS
GPRS850	128	3	823.99	-13.93	-13	PASS
GPRS850	251	3	849.03	-13.76	-13	PASS
EGPRS850	128	8	823.99	-20.94	-13	PASS
EGPRS850	251	8	849.02	-20.30	-13	PASS
GSM1900	512	0	1850.00	-15.16	-13	PASS
GSM1900	810	0	1910.02	-15.46	-13	PASS
GPRS1900	512	0	1849.98	-16.69	-13	PASS
GPRS1900	810	0	1910.02	-14.03	-13	PASS
EGPRS1900	512	2	1849.97	-22.70	-13	PASS
EGPRS1900	810	2	1910.02	-21.07	-13	PASS

Test Graphs

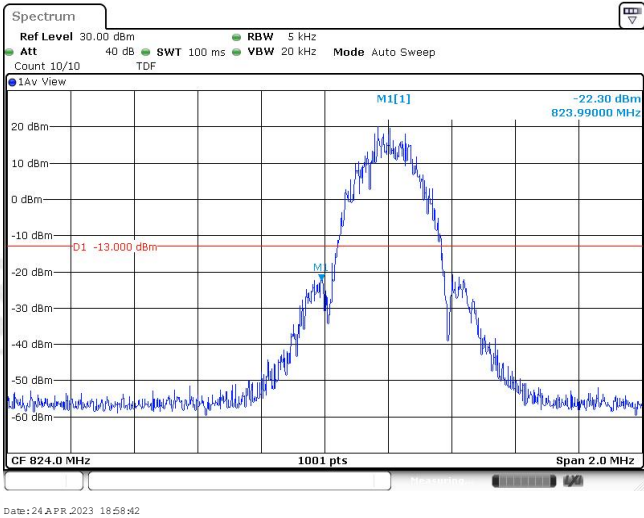




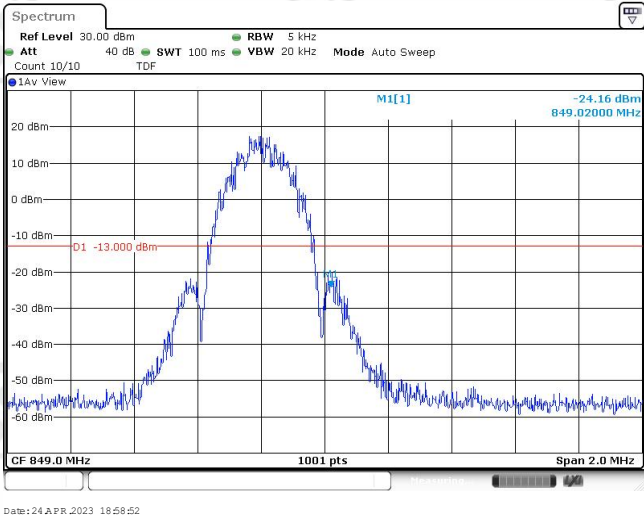
GPRS850-251



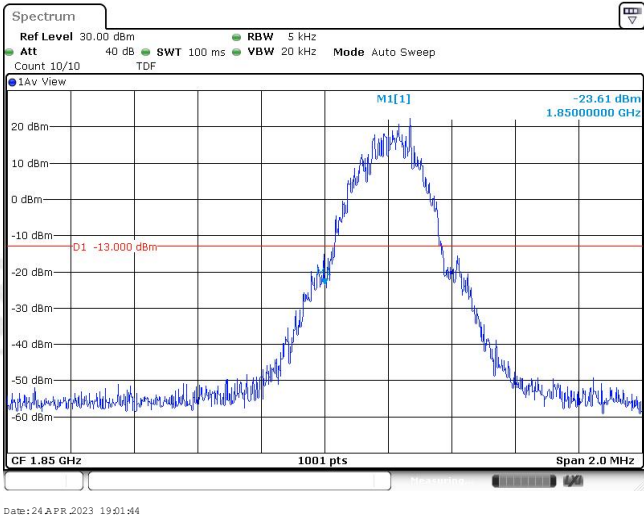
EGPRS850-128



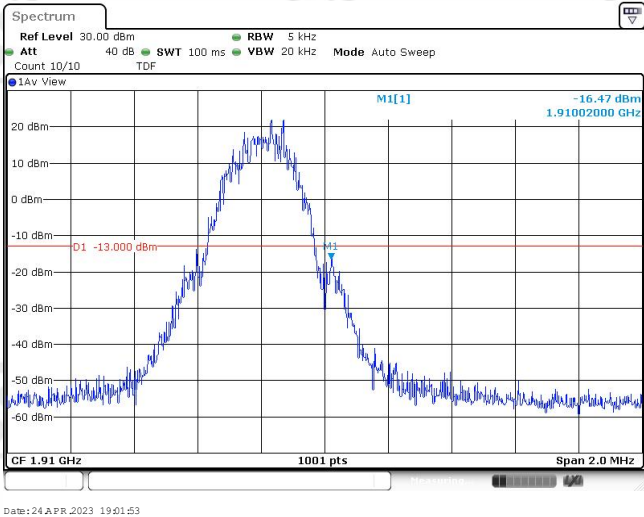
EGPRS850-251



GSM1900-512



GSM1900-810



GPRS1900-512