

Appendix for GSM 850

Product Name: Tablet PC

Model No: TLA001

Appendix A: Conducted Power (Average power)

Test Result

Band	Channel	ERP/EIRP(dBm)	Verdict
GSM850	128	32.99	PASS
GSM850	190	33.08	PASS
GSM850	251	32.76	PASS

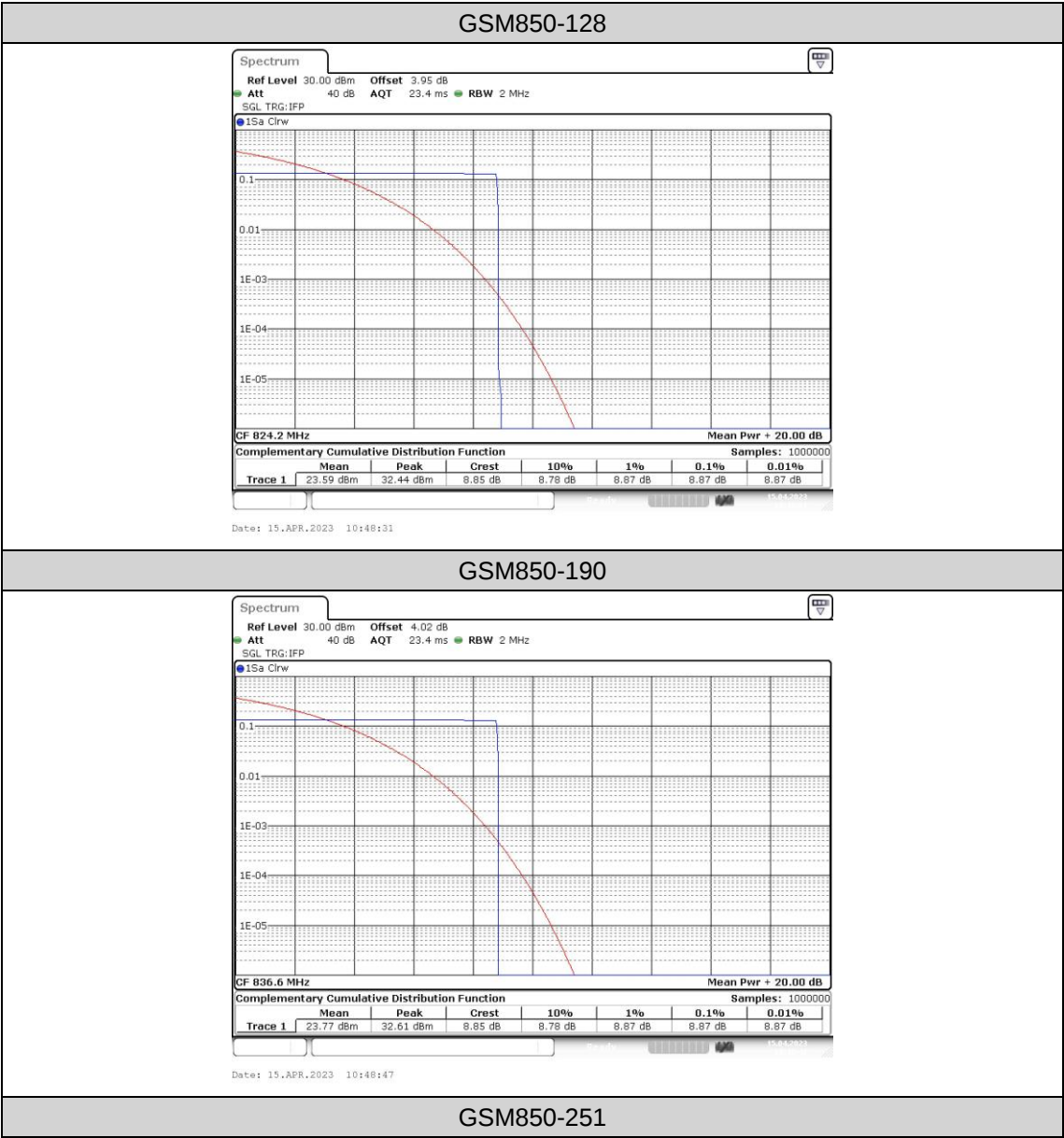
Band	Channel	Slot	Power(dBm)	Verdict
GPRS850	128	1	32.90	PASS
GPRS850	128	2	30.73	PASS
GPRS850	128	3	28.78	PASS
GPRS850	128	4	26.58	PASS
GPRS850	190	1	32.97	PASS
GPRS850	190	2	30.83	PASS
GPRS850	190	3	28.90	PASS
GPRS850	190	4	26.74	PASS
GPRS850	251	1	32.67	PASS
GPRS850	251	2	30.56	PASS
GPRS850	251	3	28.67	PASS
GPRS850	251	4	26.56	PASS

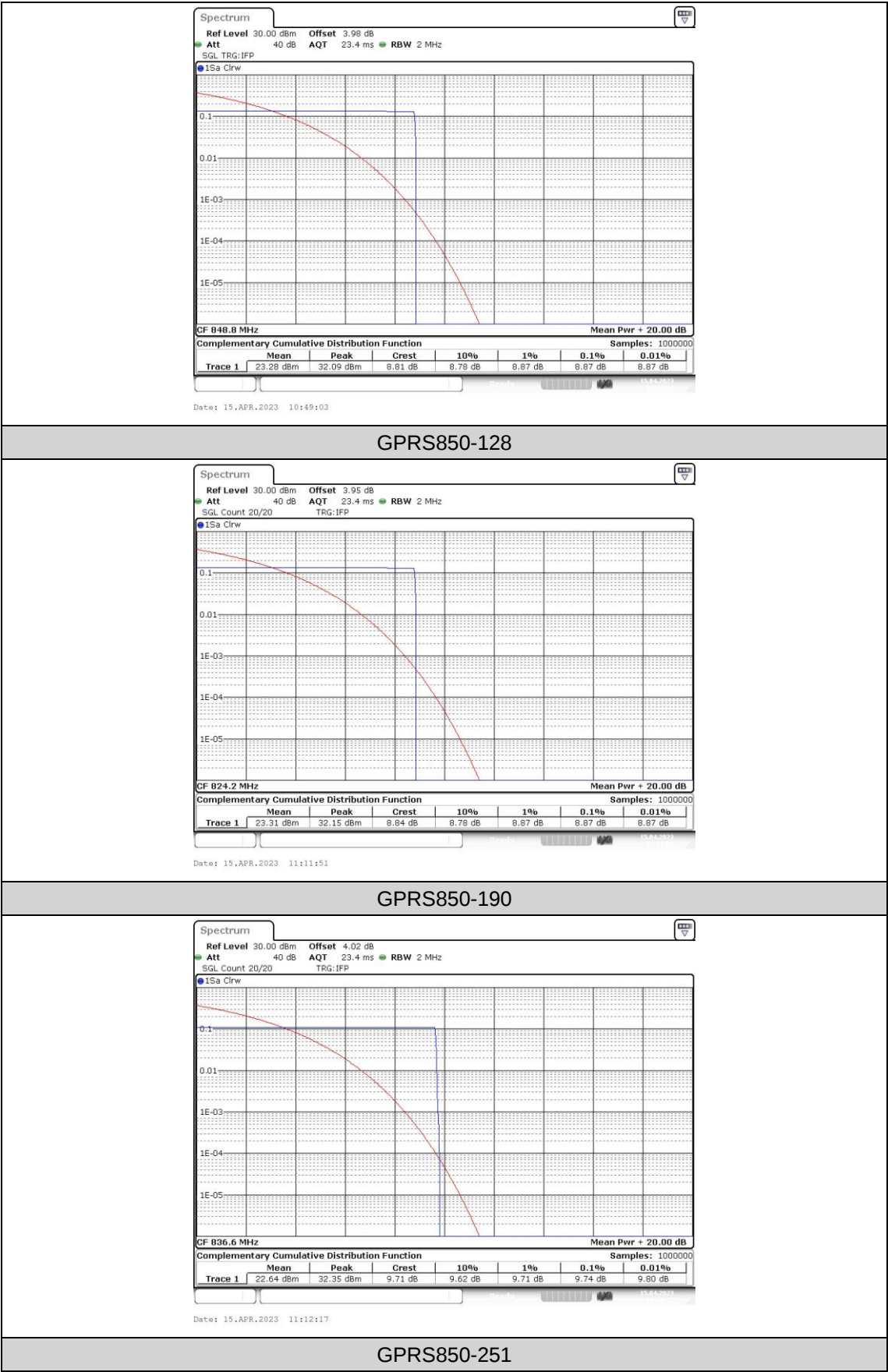
Band	Channel	Slot	Power(dBm)	Verdict
EGPRS850	128	1	26.15	PASS
EGPRS850	128	2	25.11	PASS
EGPRS850	128	3	22.82	PASS
EGPRS850	128	4	19.92	PASS
EGPRS850	190	1	26.45	PASS
EGPRS850	190	2	25.42	PASS
EGPRS850	190	3	23.18	PASS
EGPRS850	190	4	20.51	PASS
EGPRS850	251	1	26.30	PASS
EGPRS850	251	2	25.33	PASS
EGPRS850	251	3	22.97	PASS
EGPRS850	251	4	20.26	PASS

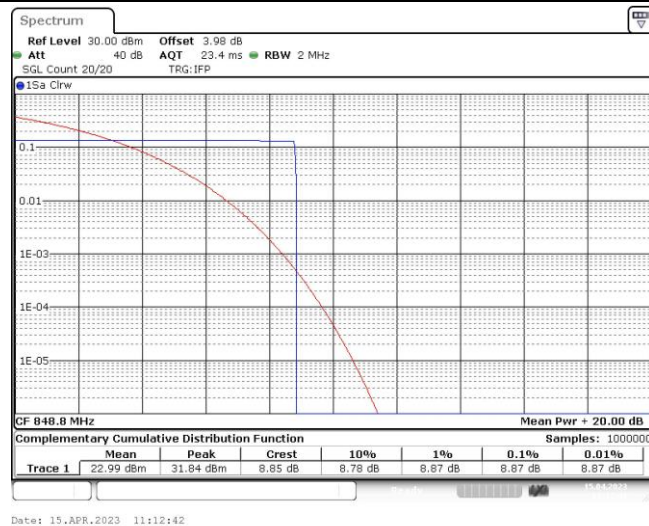
Appendix B: Peak-to-Average Ratio(CCDF)**Test Result**

Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	128	8.87	13	PASS
GSM850	190	8.87	13	PASS
GSM850	251	8.87	13	PASS
GPRS850	128	8.87	13	PASS
GPRS850	190	9.74	13	PASS
GPRS850	251	8.87	13	PASS
EGPRS850	128	11.42	13	PASS
EGPRS850	190	11.33	13	PASS
EGPRS850	251	12.09	13	PASS

Test Graphs



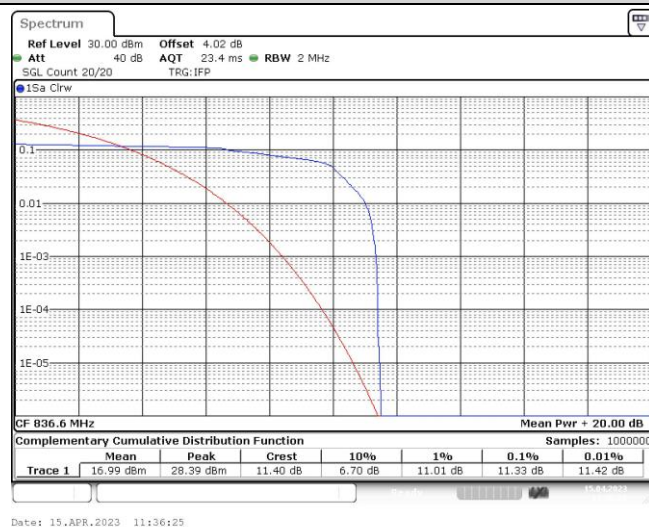




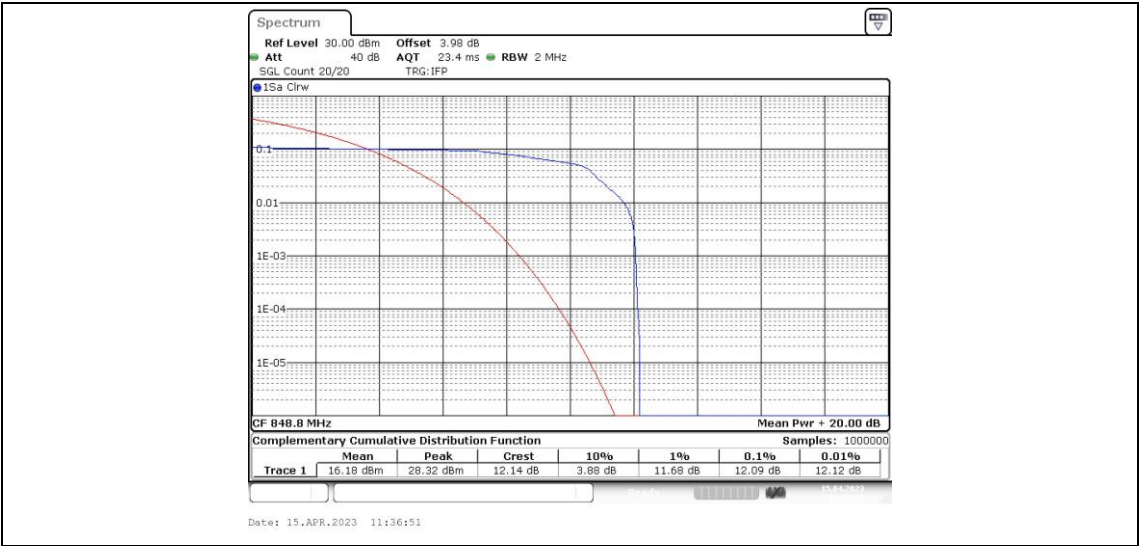
EGPRS850-128



EGPRS850-190



EGPRS850-251

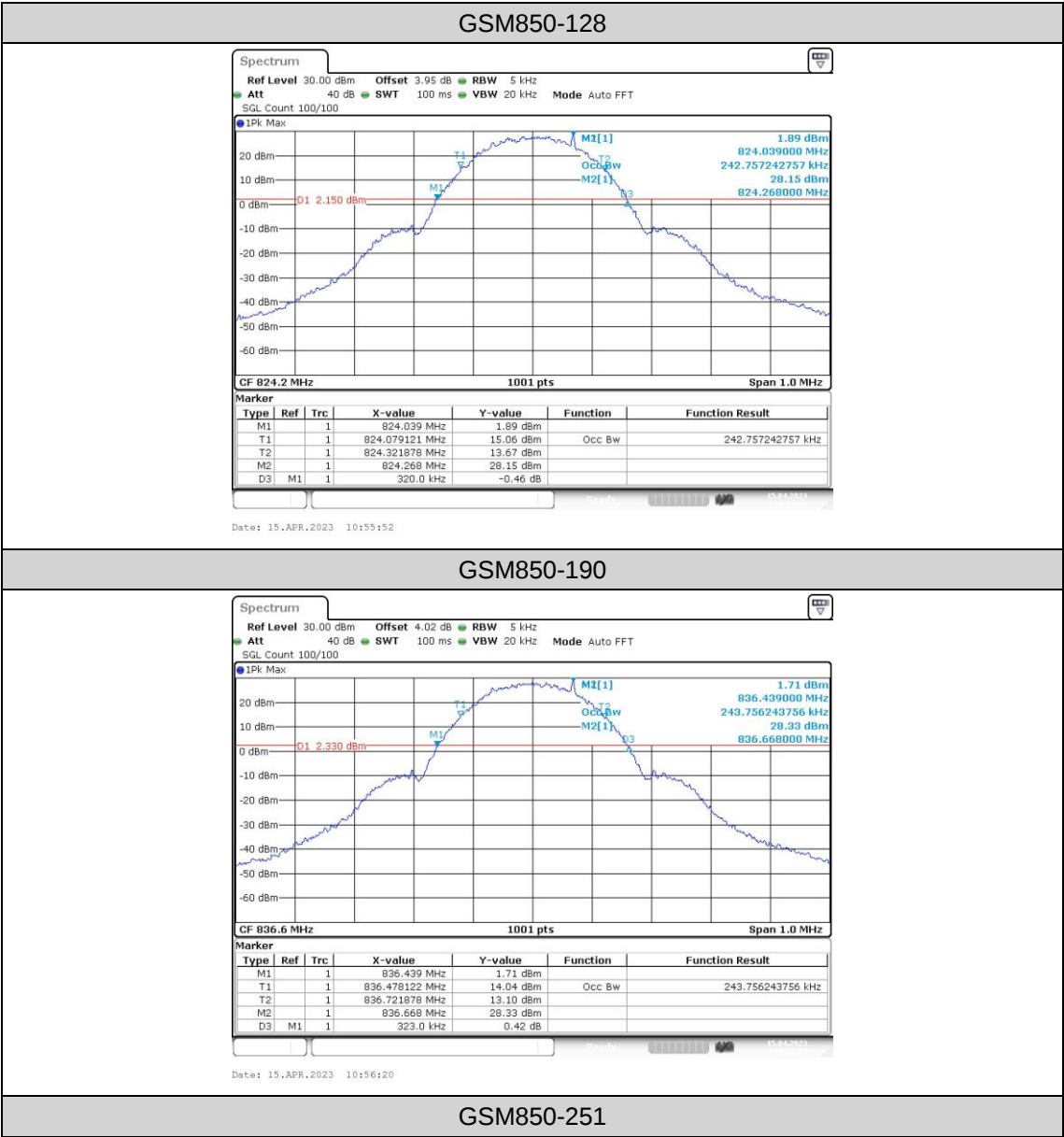


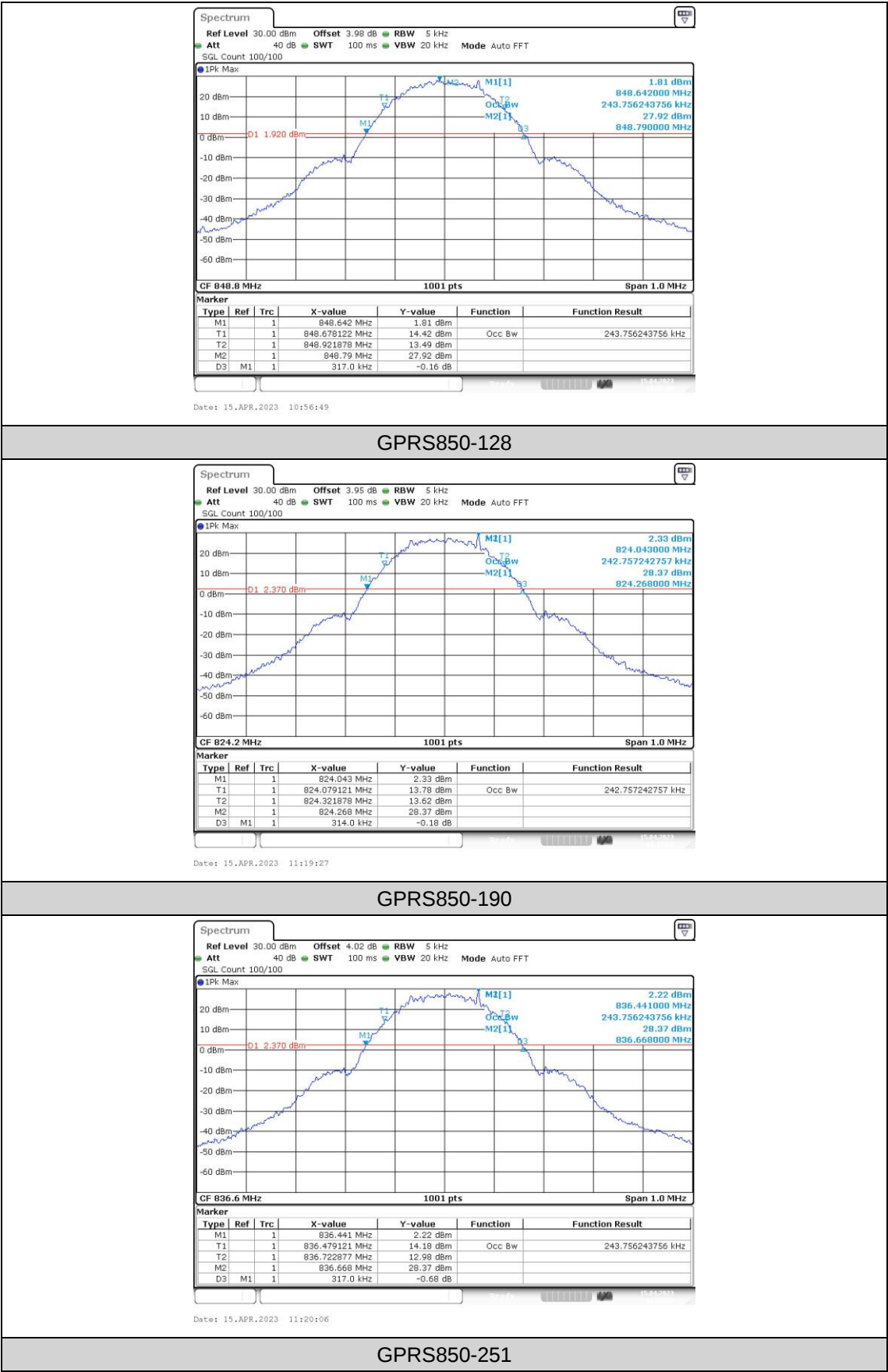
Appendix C: 26dB Bandwidth and Occupied Bandwidth

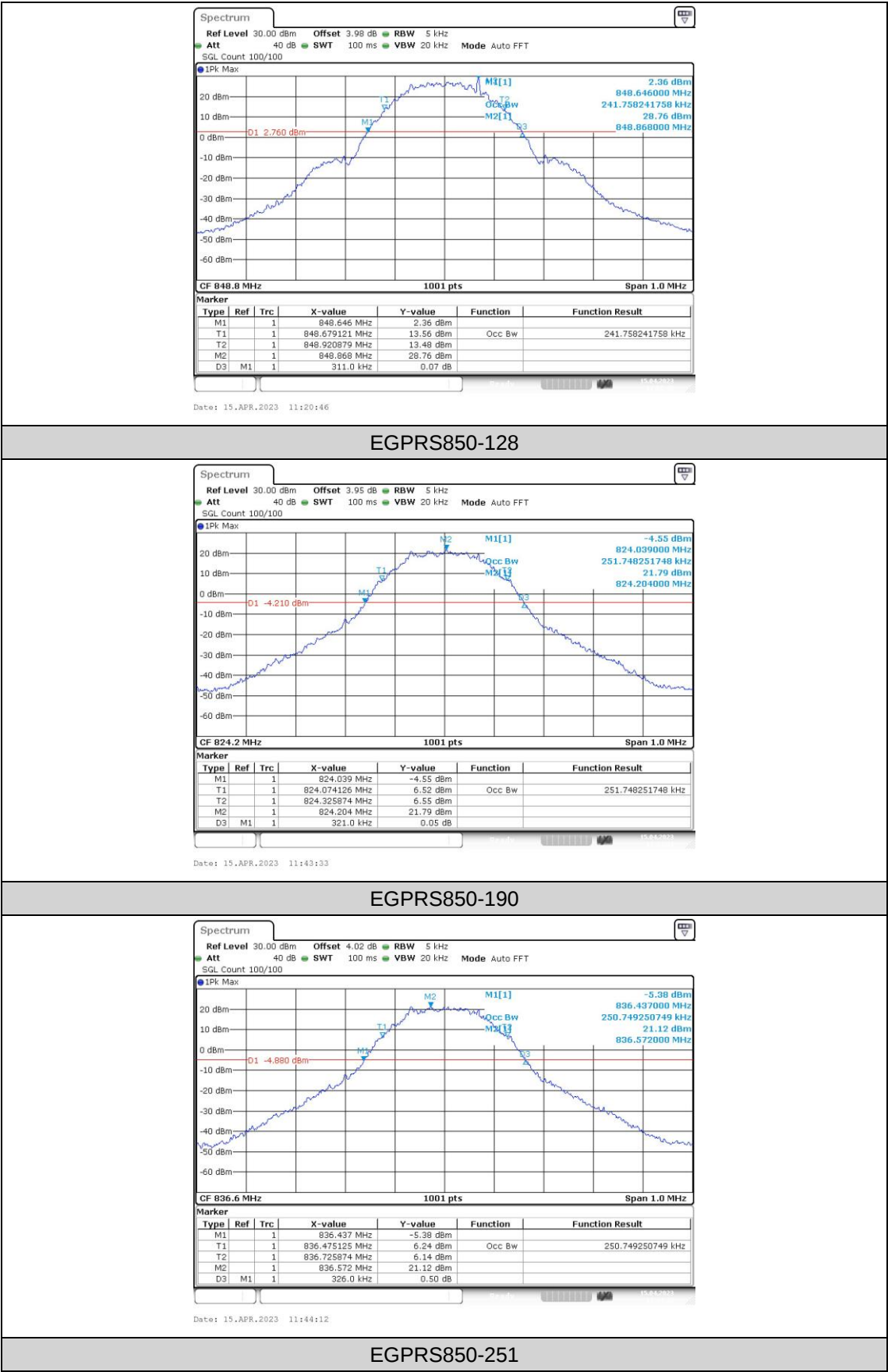
Test Result

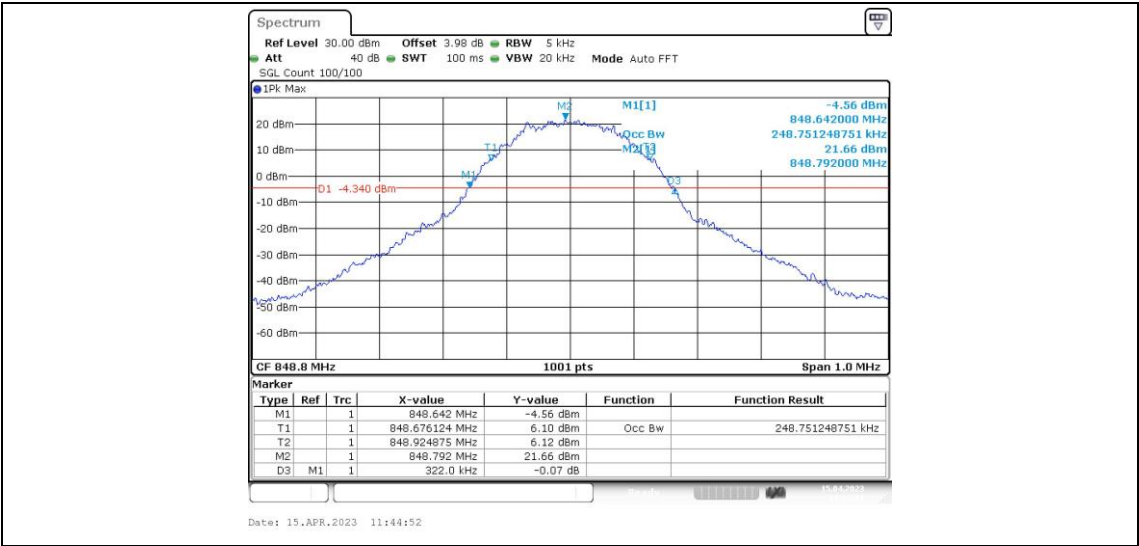
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.243	0.32	---	PASS
GSM850	190	0.244	0.32	---	PASS
GSM850	251	0.244	0.32	---	PASS
GPRS850	128	0.243	0.31	---	PASS
GPRS850	190	0.244	0.32	---	PASS
GPRS850	251	0.242	0.31	---	PASS
EGPRS850	128	0.252	0.32	---	PASS
EGPRS850	190	0.251	0.33	---	PASS
EGPRS850	251	0.249	0.32	---	PASS

Test Graphs







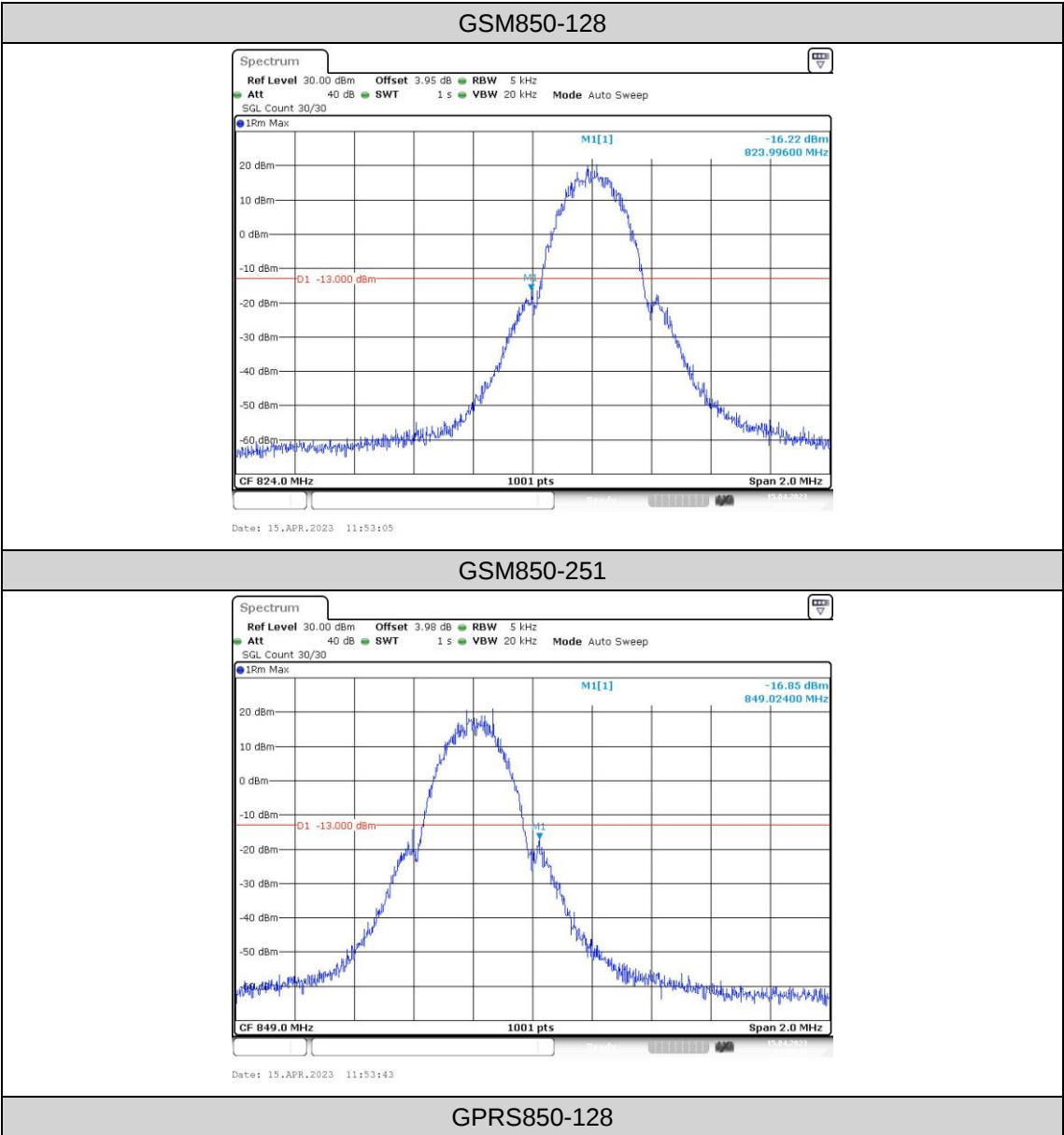


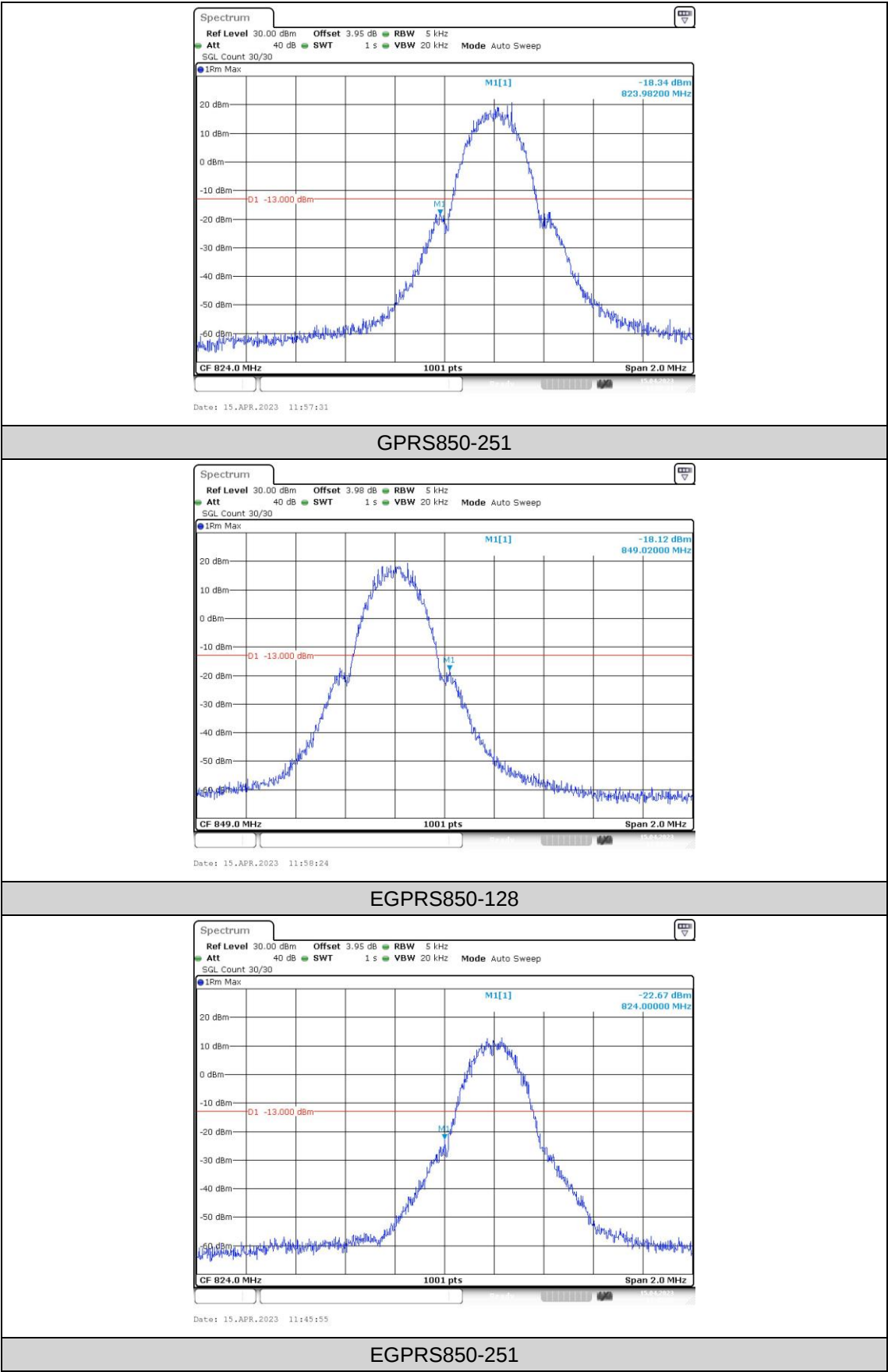
Appendix D: Band Edge

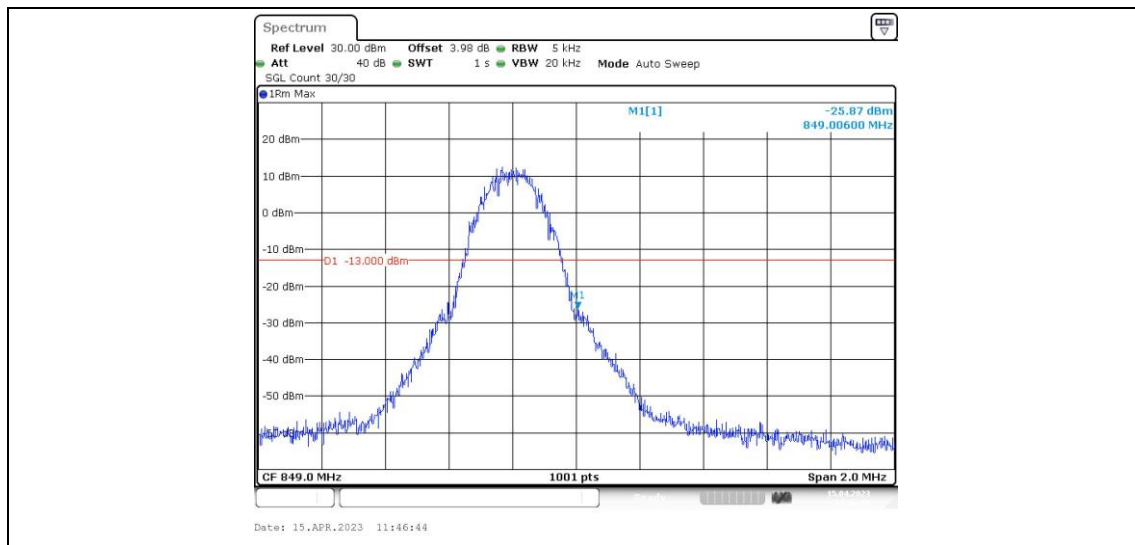
Test Result

Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	824.00	-16.22	-13	PASS
GSM850	251	849.02	-16.85	-13	PASS
GPRS850	128	823.98	-18.34	-13	PASS
GPRS850	251	849.02	-18.12	-13	PASS
EGPRS850	128	824.00	-22.67	-13	PASS
EGPRS850	251	849.01	-25.87	-13	PASS

Test Graphs





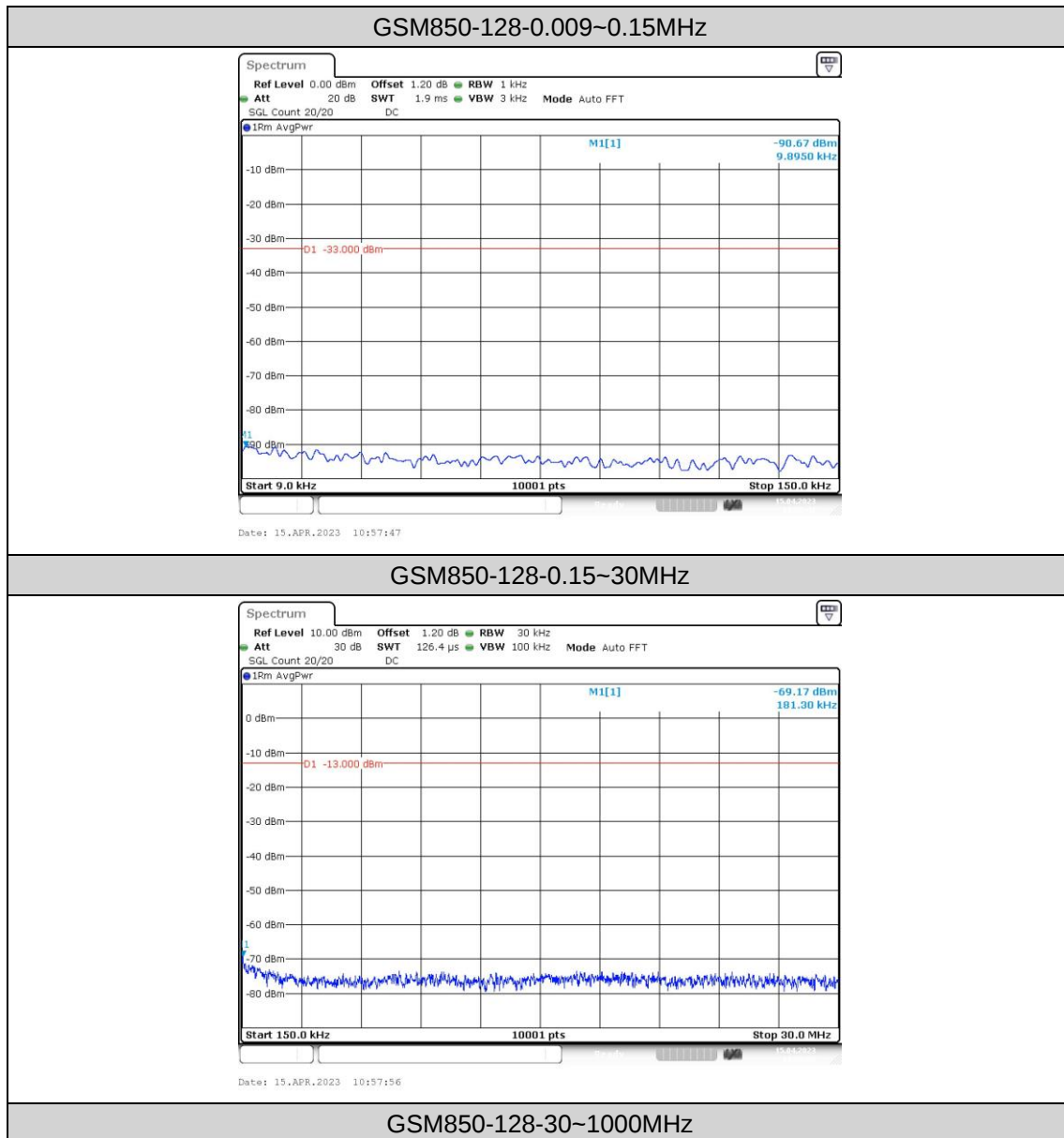


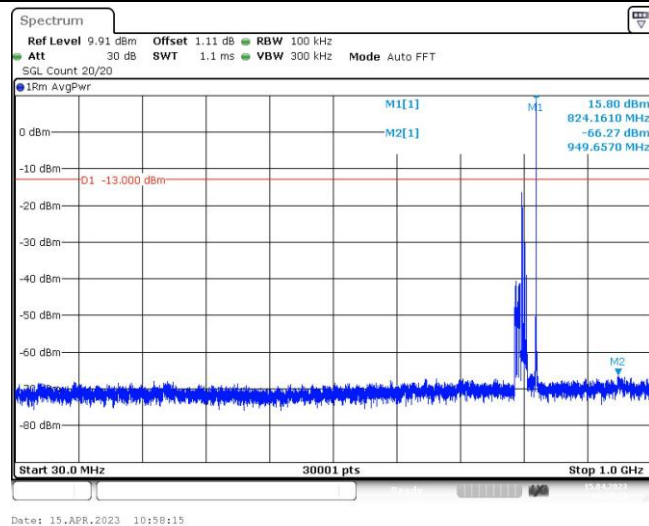
Appendix E: Conducted Spurious Emission

Test Result

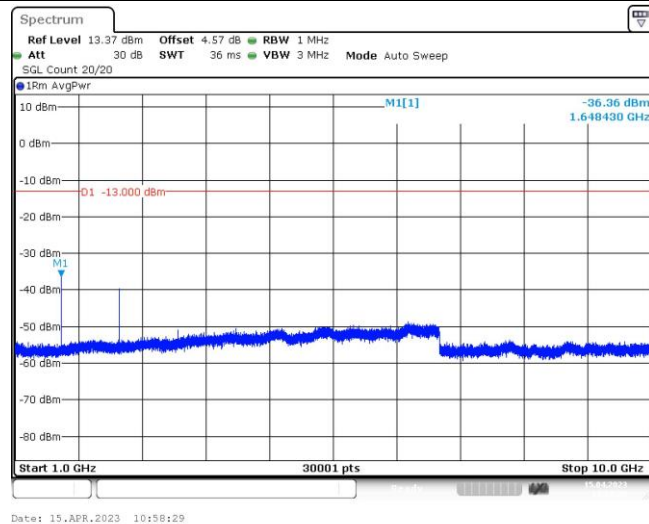
Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM850	128	0.009~0.15MHz	0.01	-90.67	-33	PASS
GSM850	128	0.15~30MHz	0.18	-69.17	-13	PASS
GSM850	128	30~1000MHz	949.66	-66.27	-13	PASS
GSM850	128	1000~10000MHz	1648.43	-36.36	-13	PASS
GSM850	190	0.009~0.15MHz	0.01	-90.54	-33	PASS
GSM850	190	0.15~30MHz	0.21	-69.48	-13	PASS
GSM850	190	30~1000MHz	960.88	-66.98	-13	PASS
GSM850	190	1000~10000MHz	2510	-36.58	-13	PASS
GSM850	251	0.009~0.15MHz	0.01	-90.4	-33	PASS
GSM850	251	0.15~30MHz	0.15	-69.66	-13	PASS
GSM850	251	30~1000MHz	950.98	-66.35	-13	PASS
GSM850	251	1000~10000MHz	1697.93	-37.19	-13	PASS
GPRS850	128	0.009~0.15MHz	0.01	-89.98	-33	PASS
GPRS850	128	0.15~30MHz	0.19	-69.78	-13	PASS
GPRS850	128	30~1000MHz	961.49	-66.27	-13	PASS
GPRS850	128	1000~10000MHz	1648.43	-38.12	-13	PASS
GPRS850	190	0.009~0.15MHz	0.02	-91.36	-33	PASS
GPRS850	190	0.15~30MHz	0.21	-70.21	-13	PASS
GPRS850	190	30~1000MHz	951.44	-66.96	-13	PASS
GPRS850	190	1000~10000MHz	1673.33	-36.39	-13	PASS
GPRS850	251	0.009~0.15MHz	0.01	-89.81	-33	PASS
GPRS850	251	0.15~30MHz	0.21	-70.32	-13	PASS
GPRS850	251	30~1000MHz	954.28	-66.66	-13	PASS
GPRS850	251	1000~10000MHz	2546.6	-38.54	-13	PASS
EGPRS850	128	0.009~0.15MHz	0.01	-89.93	-33	PASS
EGPRS850	128	0.15~30MHz	0.15	-69.12	-13	PASS
EGPRS850	128	30~1000MHz	956.8	-66.35	-13	PASS
EGPRS850	128	1000~10000MHz	1648.43	-46.57	-13	PASS
EGPRS850	190	0.009~0.15MHz	0.01	-90.06	-33	PASS
EGPRS850	190	0.15~30MHz	0.16	-69.56	-13	PASS
EGPRS850	190	30~1000MHz	416	-63.45	-13	PASS
EGPRS850	190	1000~10000MHz	1673.63	-47.48	-13	PASS
EGPRS850	251	0.009~0.15MHz	0.01	-90.36	-33	PASS
EGPRS850	251	0.15~30MHz	0.15	-67.57	-13	PASS
EGPRS850	251	30~1000MHz	416	-60.68	-13	PASS
EGPRS850	251	1000~10000MHz	6594.36	-48.94	-13	PASS

Test Graphs

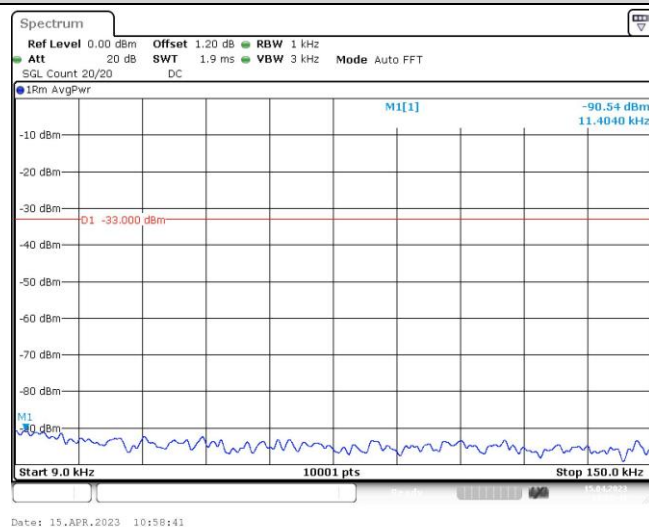




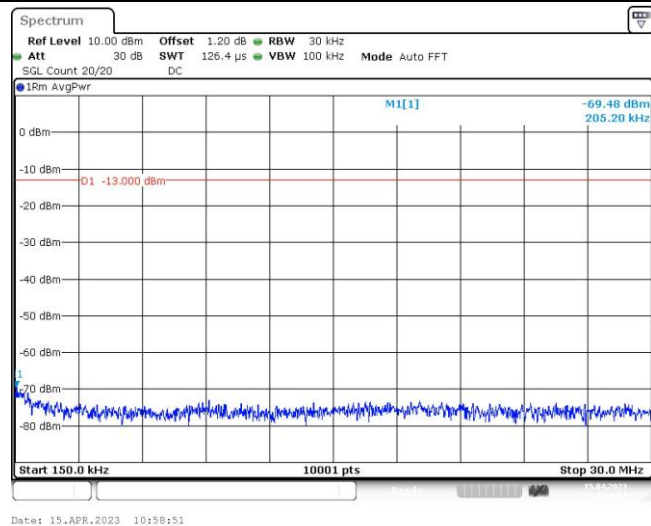
GSM850-128-1000~10000MHz



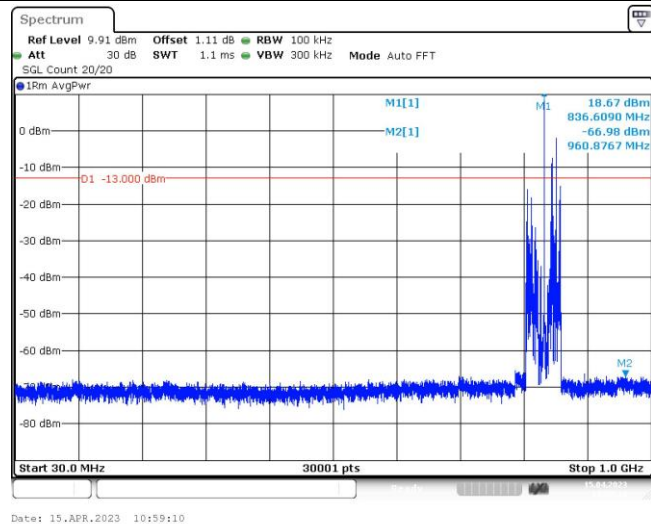
GSM850-190-0.009~0.15MHz



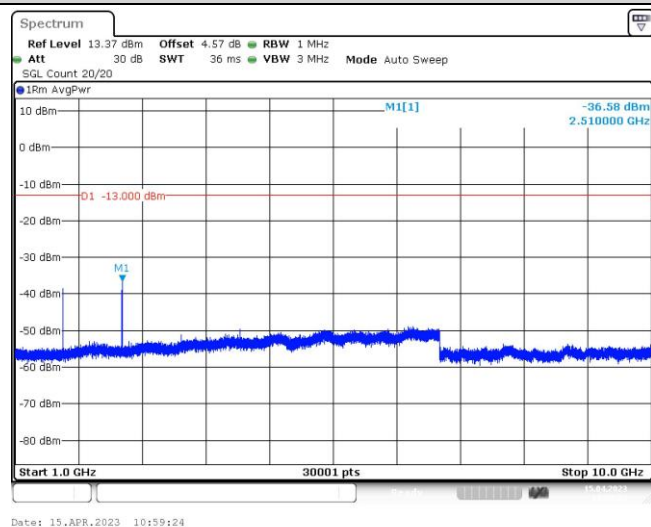
GSM850-190-0.15~30MHz



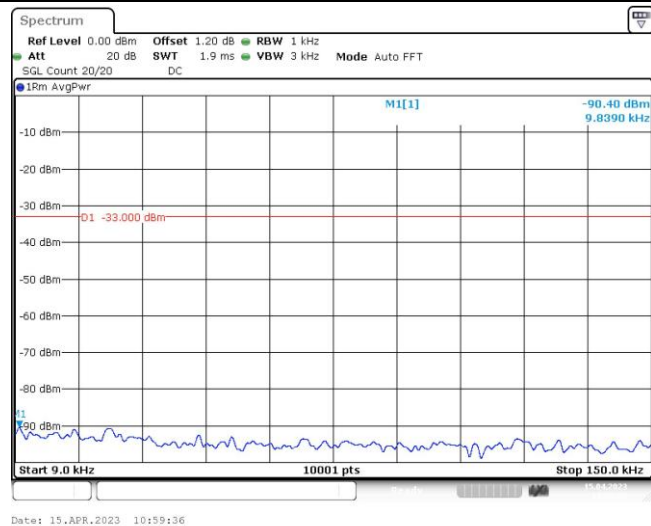
GSM850-190-30~1000MHz



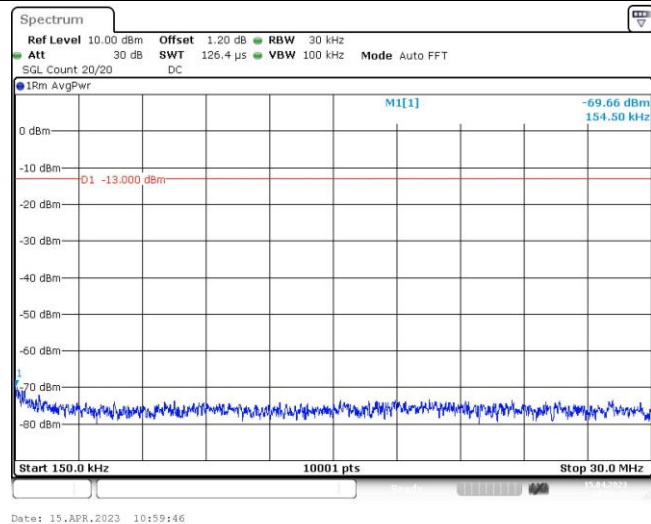
GSM850-190-1000~10000MHz



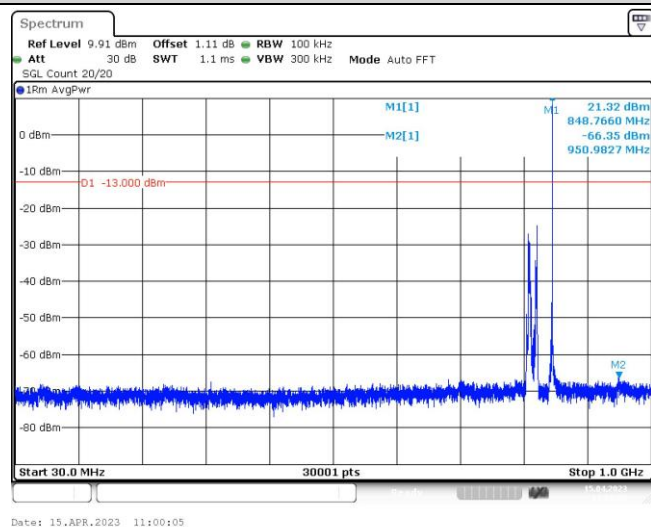
GSM850-251-0.009~0.15MHz



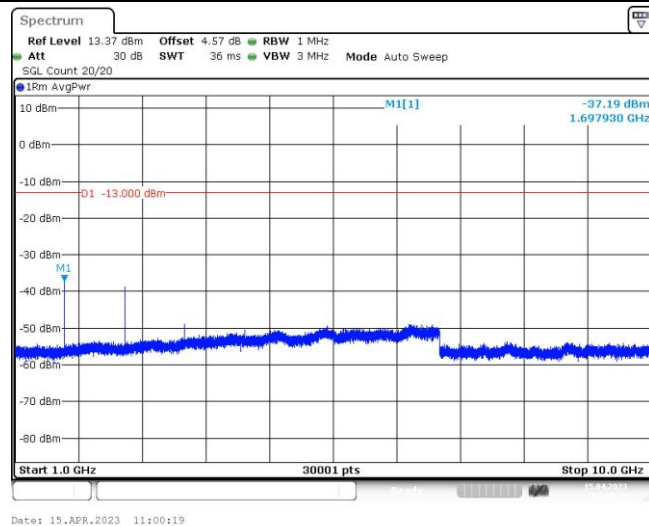
GSM850-251-0.15~30MHz



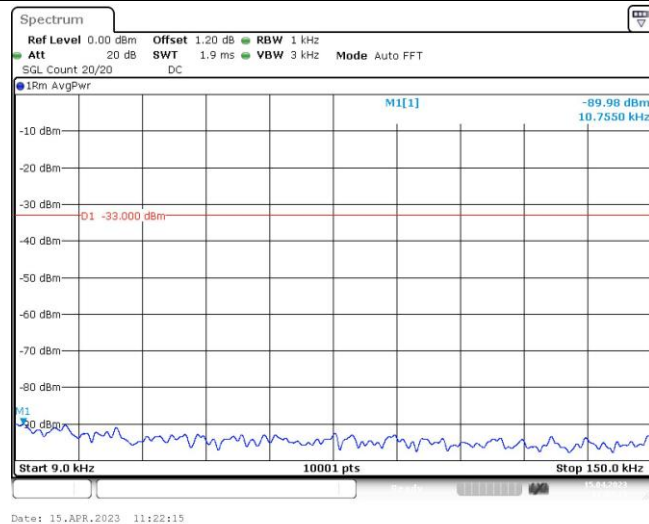
GSM850-251-30~1000MHz



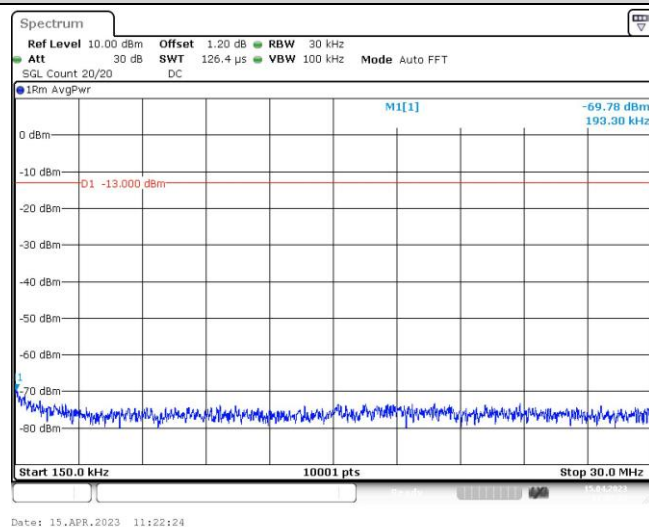
GSM850-251-1000~10000MHz



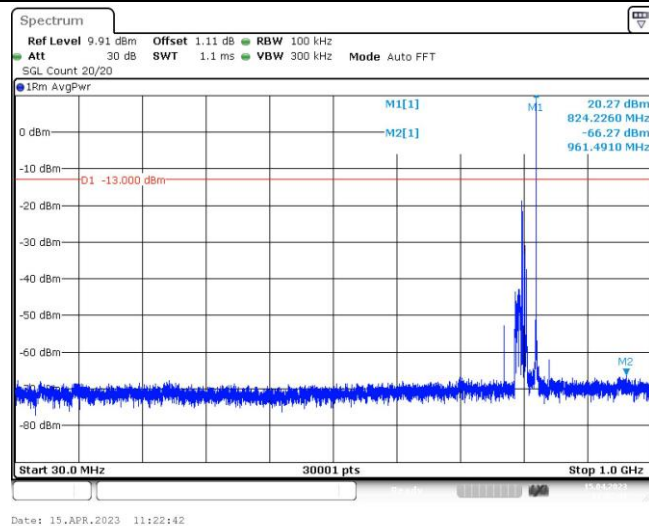
GPRS850-128-0.009~0.15MHz



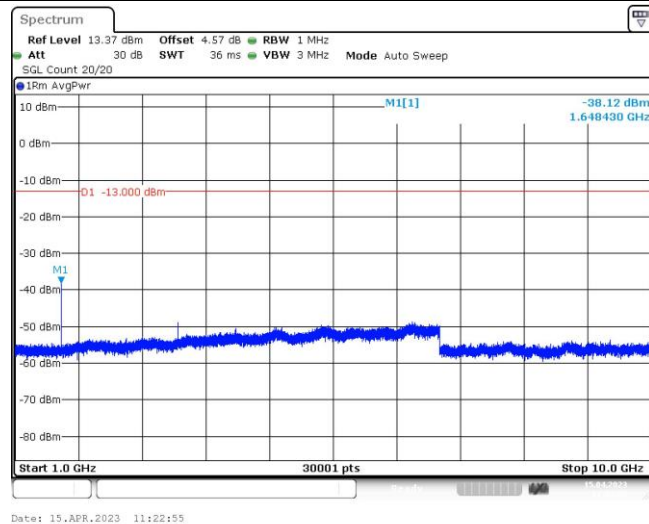
GPRS850-128-0.15~30MHz



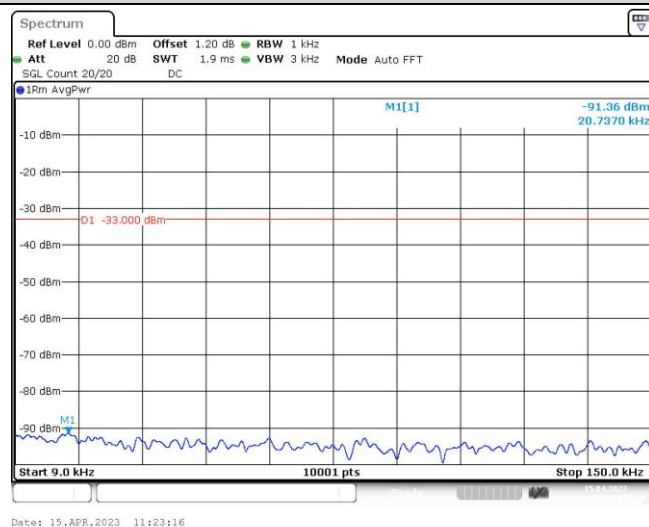
GPRS850-128-30~1000MHz



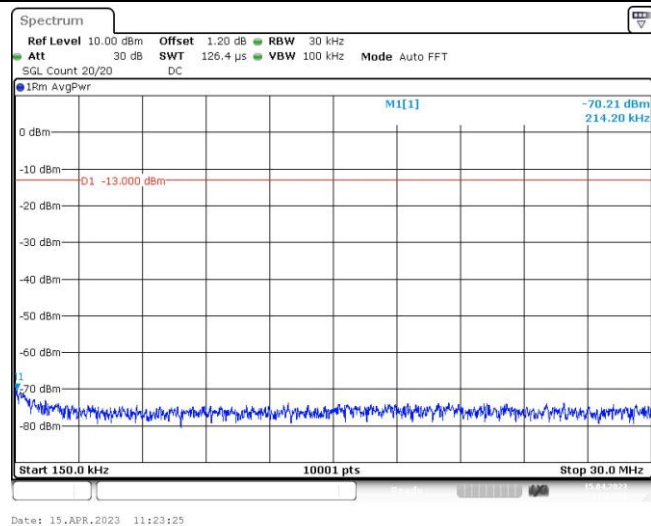
GPRS850-128-1000~10000MHz



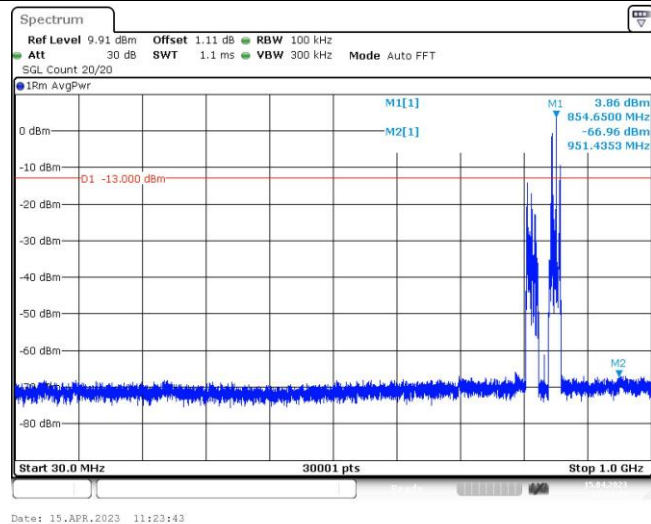
GPRS850-190-0.009~0.15MHz



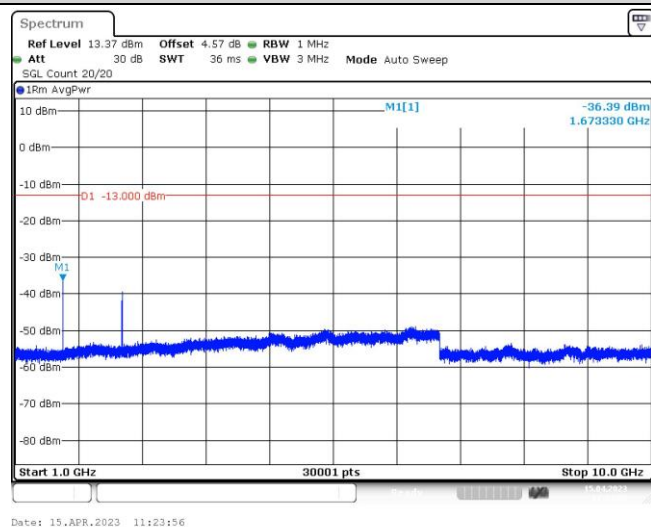
GPRS850-190-0.15~30MHz



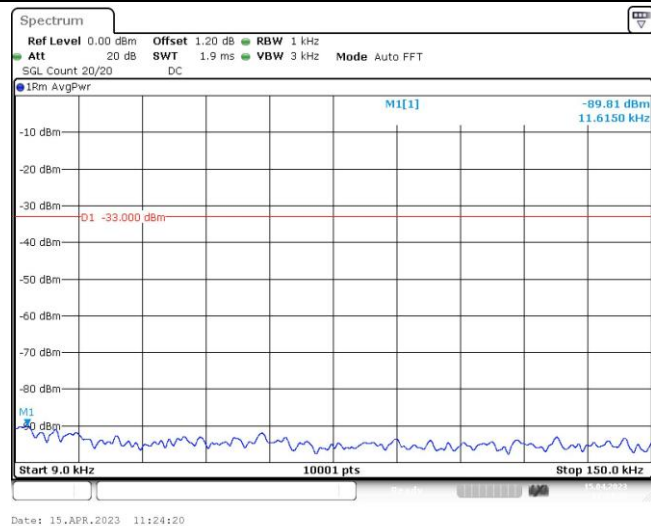
GPRS850-190-30~1000MHz



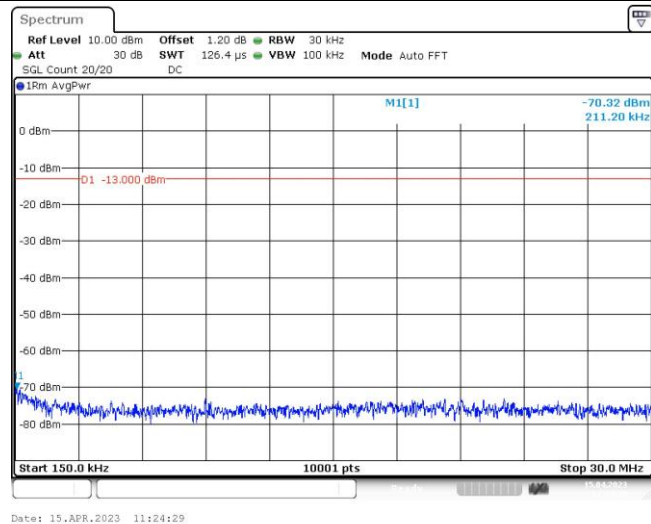
GPRS850-190-1000~10000MHz



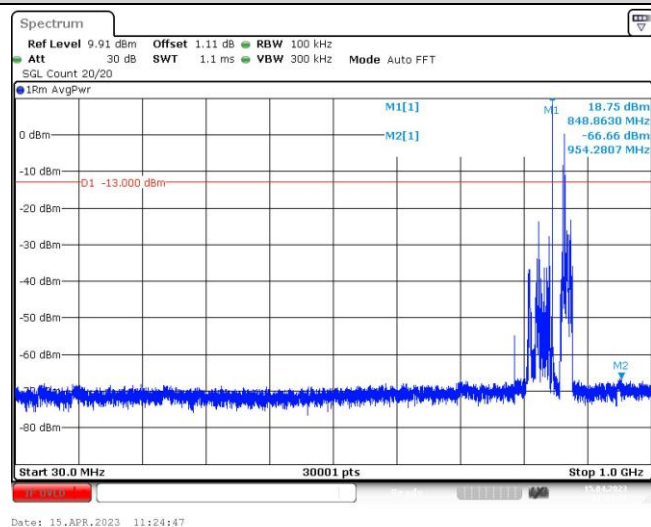
GPRS850-251-0.009~0.15MHz



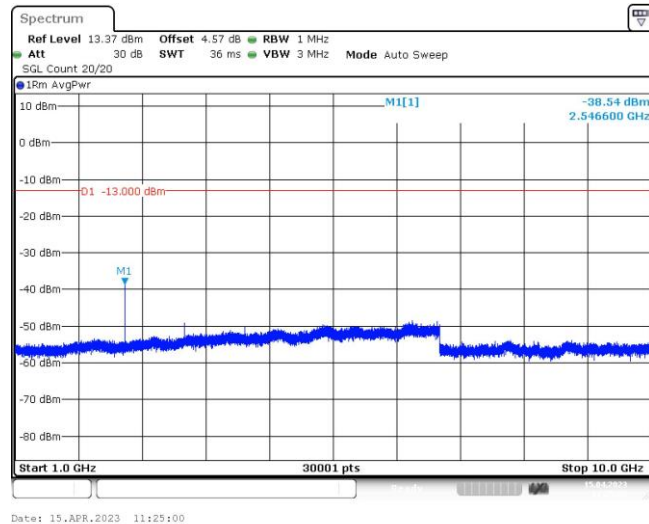
GPRS850-251-0.15~30MHz



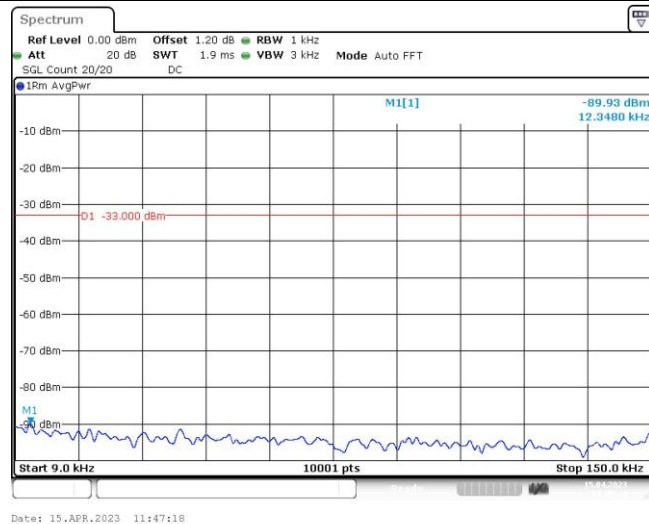
GPRS850-251-30~1000MHz



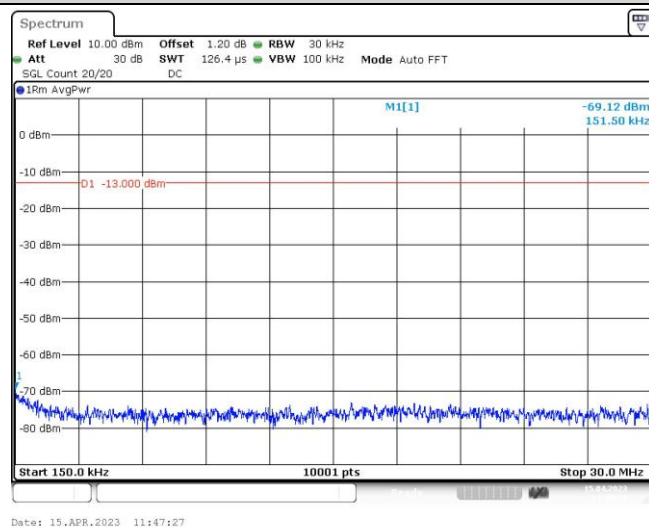
GPRS850-251-1000~10000MHz



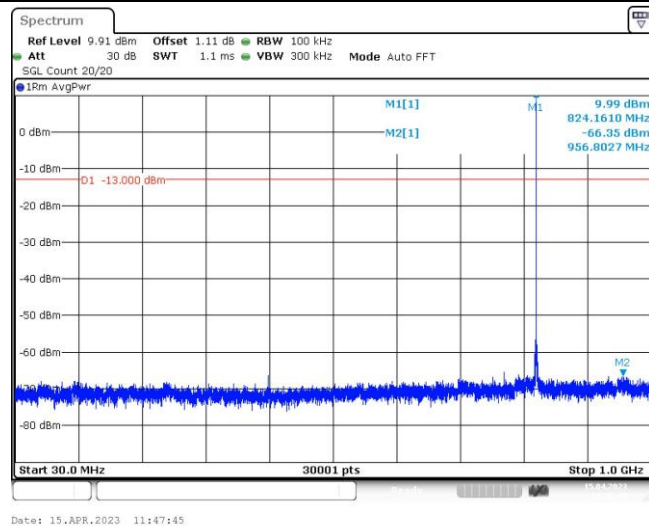
EGPRS850-128-0.009~0.15MHz



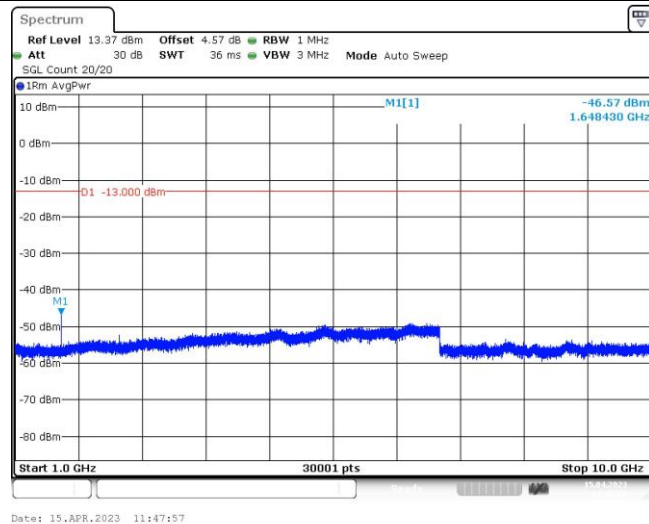
EGPRS850-128-0.15~30MHz



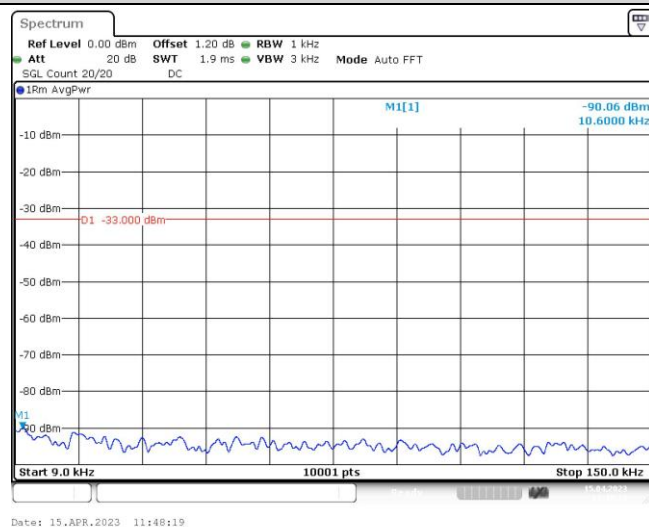
EGPRS850-128-30~1000MHz



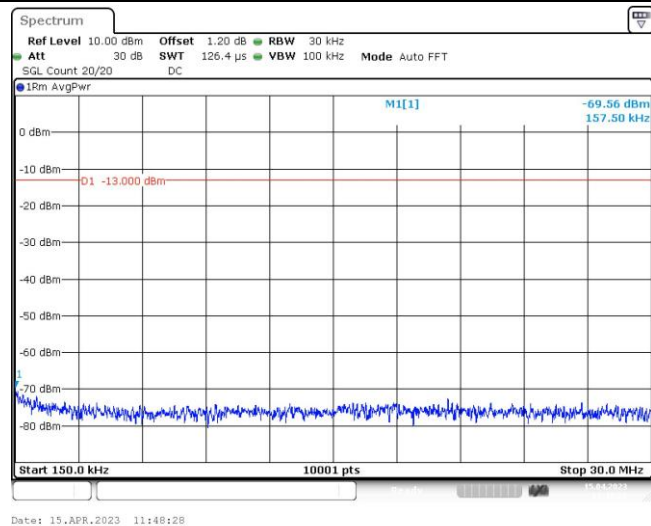
EGPRS850-128-1000~10000MHz



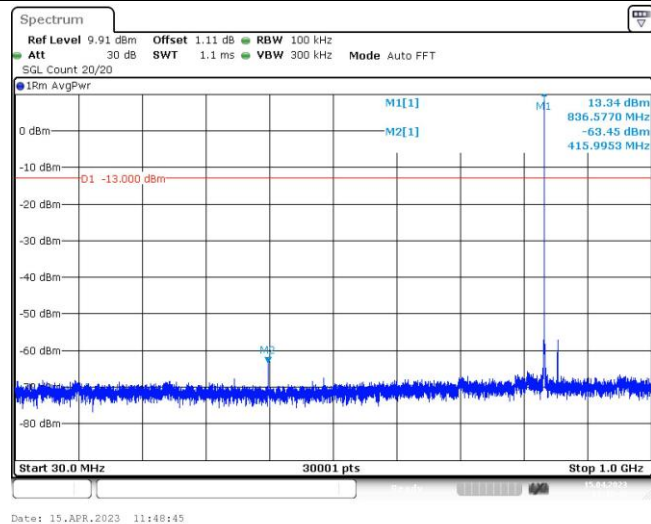
EGPRS850-190-0.009~0.15MHz



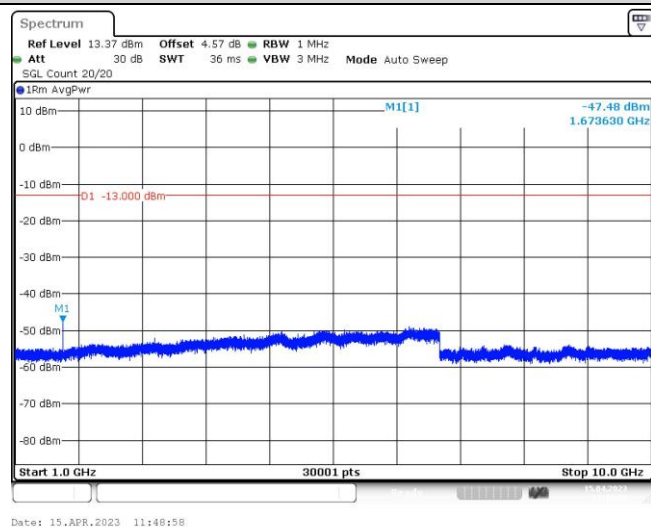
EGPRS850-190-0.15~30MHz



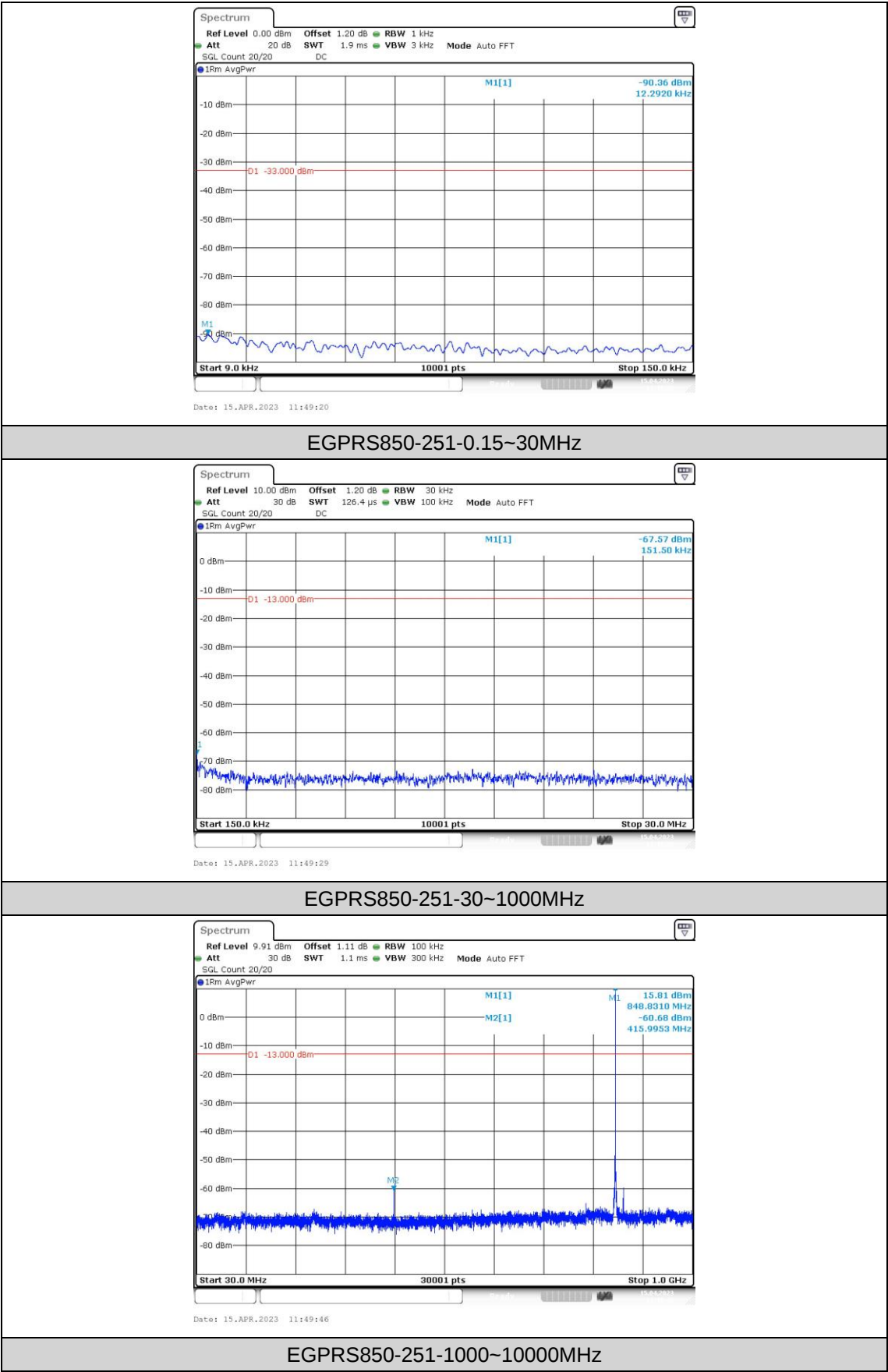
EGPRS850-190-30~1000MHz

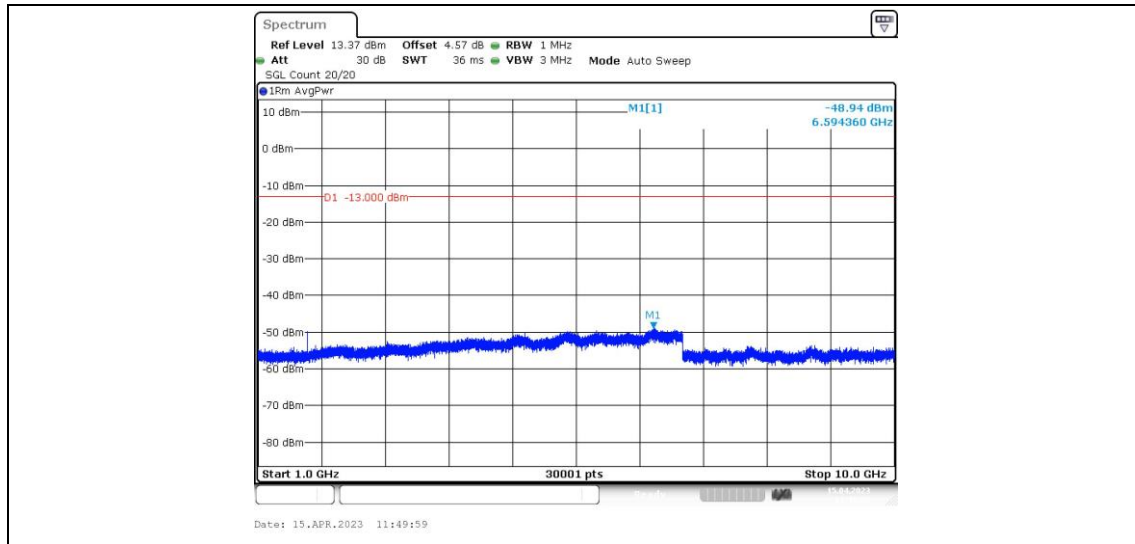


EGPRS850-190-1000~10000MHz



EGPRS850-251-0.009~0.15MHz





Appendix F: Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	VL	NT	2.45	0.002973	±2.5	PASS
GSM850	128	VN	NT	4.07	0.004938	±2.5	PASS
GSM850	128	VH	NT	-4.16	-0.005047	±2.5	PASS
GSM850	190	VL	NT	-4.16	-0.004973	±2.5	PASS
GSM850	190	VN	NT	0.94	0.001124	±2.5	PASS
GSM850	190	VH	NT	-2.20	-0.002630	±2.5	PASS
GSM850	251	VL	NT	0.74	0.000872	±2.5	PASS
GSM850	251	VN	NT	3.26	0.003841	±2.5	PASS
GSM850	251	VH	NT	0.65	0.000766	±2.5	PASS
GPRS850	128	VL	NT	23.67	0.028719	±2.5	PASS
GPRS850	128	VN	NT	22.83	0.027700	±2.5	PASS
GPRS850	128	VH	NT	21.99	0.026680	±2.5	PASS
GPRS850	190	VL	NT	17.92	0.021420	±2.5	PASS
GPRS850	190	VN	NT	17.11	0.020452	±2.5	PASS
GPRS850	190	VH	NT	19.31	0.023082	±2.5	PASS
GPRS850	251	VL	NT	16.27	0.019168	±2.5	PASS
GPRS850	251	VN	NT	9.85	0.011605	±2.5	PASS
GPRS850	251	VH	NT	12.98	0.015292	±2.5	PASS
EGPRS850	128	VL	NT	13.98	0.016962	±2.5	PASS
EGPRS850	128	VN	NT	16.76	0.020335	±2.5	PASS
EGPRS850	128	VH	NT	11.20	0.013589	±2.5	PASS
EGPRS850	190	VL	NT	11.66	0.013937	±2.5	PASS
EGPRS850	190	VN	NT	9.46	0.011308	±2.5	PASS
EGPRS850	190	VH	NT	10.59	0.012658	±2.5	PASS
EGPRS850	251	VL	NT	17.60	0.020735	±2.5	PASS
EGPRS850	251	VN	NT	18.21	0.021454	±2.5	PASS
EGPRS850	251	VH	NT	15.43	0.018179	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	NV	-30	-6.68	-0.008105	±2.5	PASS
GSM850	128	NV	-20	-1.61	-0.001953	±2.5	PASS
GSM850	128	NV	-10	3.91	0.004744	±2.5	PASS
GSM850	128	NV	0	-6.26	-0.007595	±2.5	PASS
GSM850	128	NV	10	-0.81	-0.000983	±2.5	PASS
GSM850	128	NV	20	-6.17	-0.007486	±2.5	PASS
GSM850	128	NV	30	-4.39	-0.005326	±2.5	PASS
GSM850	128	NV	40	-0.94	-0.001140	±2.5	PASS
GSM850	128	NV	50	0.58	0.000704	±2.5	PASS
GSM850	190	NV	-30	1.61	0.001924	±2.5	PASS
GSM850	190	NV	-20	-2.16	-0.002582	±2.5	PASS
GSM850	190	NV	-10	2.49	0.002976	±2.5	PASS
GSM850	190	NV	0	-1.23	-0.001470	±2.5	PASS
GSM850	190	NV	10	-1.36	-0.001626	±2.5	PASS
GSM850	190	NV	20	-0.55	-0.000657	±2.5	PASS
GSM850	190	NV	30	-8.23	-0.009837	±2.5	PASS
GSM850	190	NV	40	-1.65	-0.001972	±2.5	PASS
GSM850	190	NV	50	-2.71	-0.003239	±2.5	PASS
GSM850	251	NV	-30	4.65	0.005478	±2.5	PASS
GSM850	251	NV	-20	2.10	0.002474	±2.5	PASS
GSM850	251	NV	-10	0.23	0.000271	±2.5	PASS
GSM850	251	NV	0	-3.58	-0.004218	±2.5	PASS
GSM850	251	NV	10	-0.94	-0.001107	±2.5	PASS
GSM850	251	NV	20	1.13	0.001331	±2.5	PASS
GSM850	251	NV	30	-1.07	-0.001261	±2.5	PASS
GSM850	251	NV	40	6.17	0.007269	±2.5	PASS
GSM850	251	NV	50	4.23	0.004984	±2.5	PASS
GPRS850	128	NV	-30	20.24	0.024557	±2.5	PASS
GPRS850	128	NV	-20	19.98	0.024242	±2.5	PASS
GPRS850	128	NV	-10	18.76	0.022761	±2.5	PASS
GPRS850	128	NV	0	20.89	0.025346	±2.5	PASS
GPRS850	128	NV	10	24.70	0.029968	±2.5	PASS
GPRS850	128	NV	20	18.66	0.022640	±2.5	PASS
GPRS850	128	NV	30	19.63	0.023817	±2.5	PASS
GPRS850	128	NV	40	19.24	0.023344	±2.5	PASS
GPRS850	128	NV	50	21.95	0.026632	±2.5	PASS
GPRS850	190	NV	-30	17.92	0.021420	±2.5	PASS

GPRS850	190	NV	-20	16.21	0.019376	±2.5	PASS
GPRS850	190	NV	-10	16.21	0.019376	±2.5	PASS
GPRS850	190	NV	0	17.47	0.020882	±2.5	PASS
GPRS850	190	NV	10	18.60	0.022233	±2.5	PASS
GPRS850	190	NV	20	18.66	0.022305	±2.5	PASS
GPRS850	190	NV	30	14.37	0.017177	±2.5	PASS
GPRS850	190	NV	40	16.43	0.019639	±2.5	PASS
GPRS850	190	NV	50	13.98	0.016710	±2.5	PASS
GPRS850	251	NV	-30	17.34	0.020429	±2.5	PASS
GPRS850	251	NV	-20	17.05	0.020087	±2.5	PASS
GPRS850	251	NV	-10	18.47	0.021760	±2.5	PASS
GPRS850	251	NV	0	19.47	0.022938	±2.5	PASS
GPRS850	251	NV	10	18.37	0.021642	±2.5	PASS
GPRS850	251	NV	20	15.27	0.017990	±2.5	PASS
GPRS850	251	NV	30	16.24	0.019133	±2.5	PASS
GPRS850	251	NV	40	20.66	0.024340	±2.5	PASS
GPRS850	251	NV	50	14.37	0.016930	±2.5	PASS
EGPRS850	128	NV	-30	11.69	0.014183	±2.5	PASS
EGPRS850	128	NV	-20	9.65	0.011708	±2.5	PASS
EGPRS850	128	NV	-10	14.37	0.017435	±2.5	PASS
EGPRS850	128	NV	0	10.65	0.012922	±2.5	PASS
EGPRS850	128	NV	10	16.05	0.019473	±2.5	PASS
EGPRS850	128	NV	20	17.89	0.021706	±2.5	PASS
EGPRS850	128	NV	30	21.28	0.025819	±2.5	PASS
EGPRS850	128	NV	40	17.53	0.021269	±2.5	PASS
EGPRS850	128	NV	50	18.56	0.022519	±2.5	PASS
EGPRS850	190	NV	-30	11.72	0.014009	±2.5	PASS
EGPRS850	190	NV	-20	7.65	0.009144	±2.5	PASS
EGPRS850	190	NV	-10	11.20	0.013388	±2.5	PASS
EGPRS850	190	NV	0	12.66	0.015133	±2.5	PASS
EGPRS850	190	NV	10	16.27	0.019448	±2.5	PASS
EGPRS850	190	NV	20	12.53	0.014977	±2.5	PASS
EGPRS850	190	NV	30	13.82	0.016519	±2.5	PASS
EGPRS850	190	NV	40	15.08	0.018025	±2.5	PASS
EGPRS850	190	NV	50	10.46	0.012503	±2.5	PASS
EGPRS850	251	NV	-30	17.69	0.020841	±2.5	PASS
EGPRS850	251	NV	-20	15.46	0.018214	±2.5	PASS
EGPRS850	251	NV	-10	17.31	0.020393	±2.5	PASS
EGPRS850	251	NV	0	19.21	0.022632	±2.5	PASS
EGPRS850	251	NV	10	18.02	0.021230	±2.5	PASS

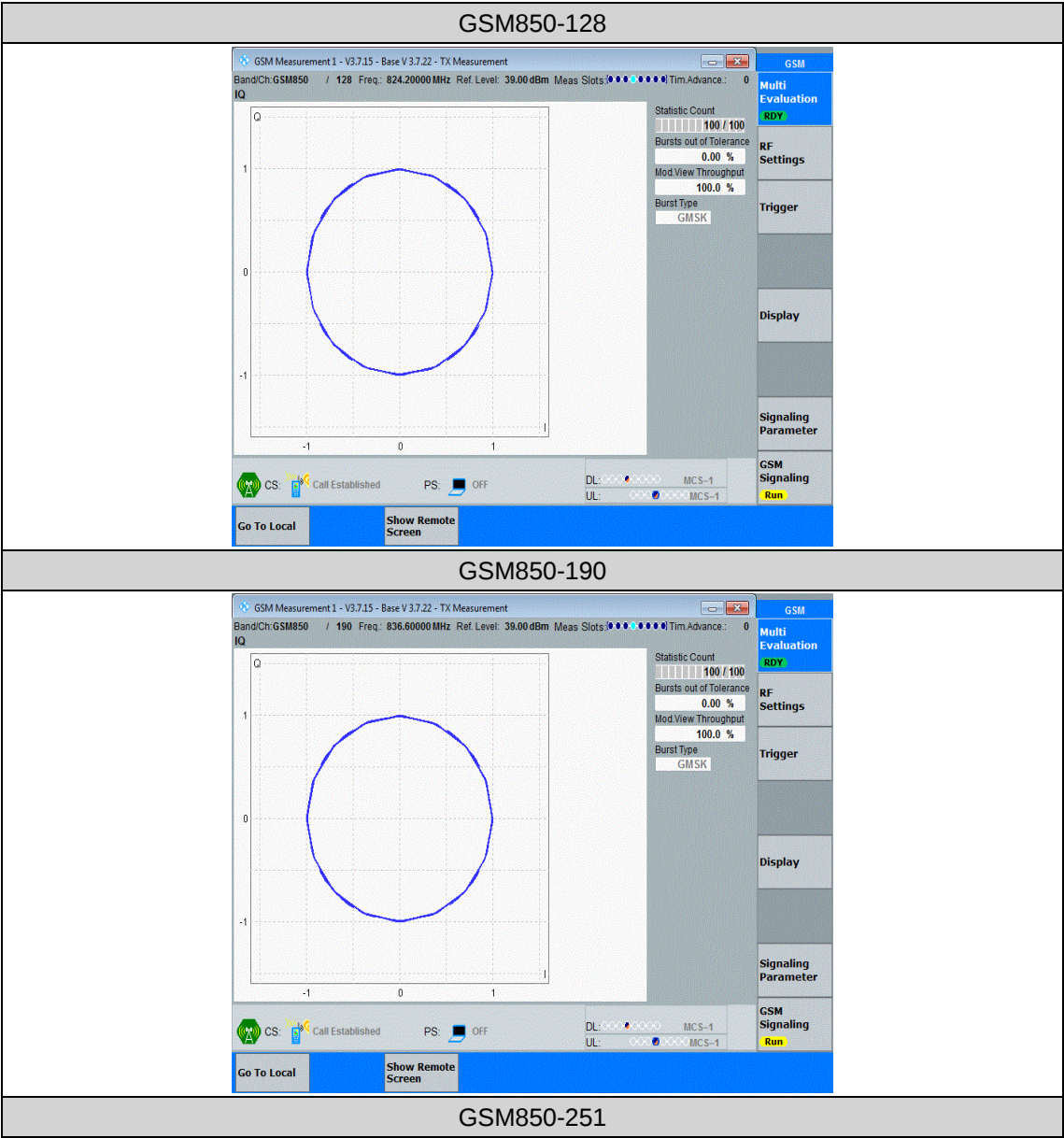
EGPRS850	251	NV	20	18.34	0.021607	±2.5	PASS
EGPRS850	251	NV	30	18.73	0.022066	±2.5	PASS
EGPRS850	251	NV	40	15.79	0.018603	±2.5	PASS
EGPRS850	251	NV	50	17.66	0.020806	±2.5	PASS

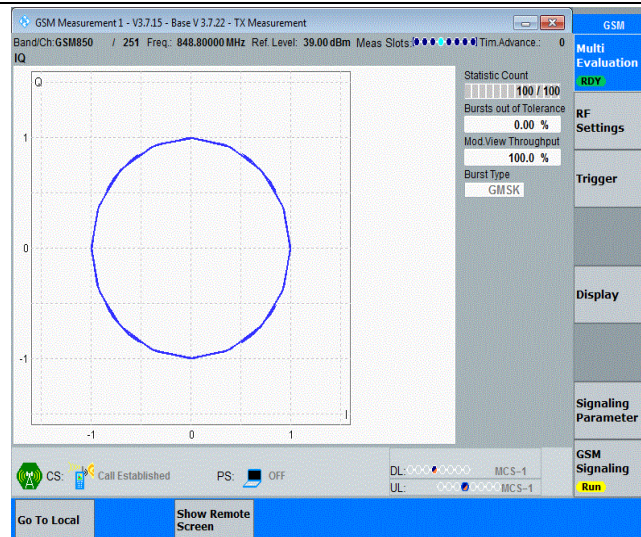
Appendix G: Modulation Characteristics

Test Result

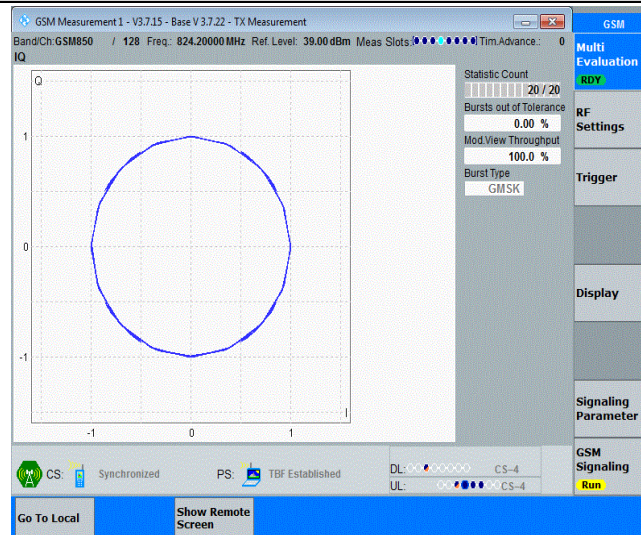
Band	Channel	Result	Verdict
GSM850	128	PASS	PASS
GSM850	190	PASS	PASS
GSM850	251	PASS	PASS
GPRS850	128	PASS	PASS
GPRS850	190	PASS	PASS
GPRS850	251	PASS	PASS
EGPRS850	128	PASS	PASS
EGPRS850	190	PASS	PASS
EGPRS850	251	PASS	PASS

Test Graphs

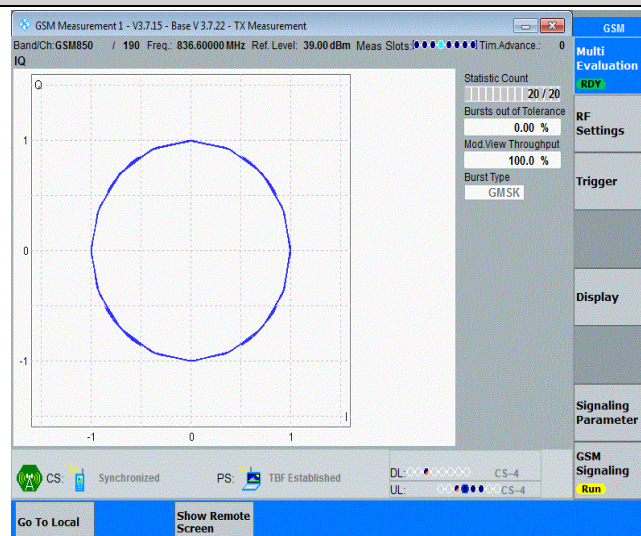




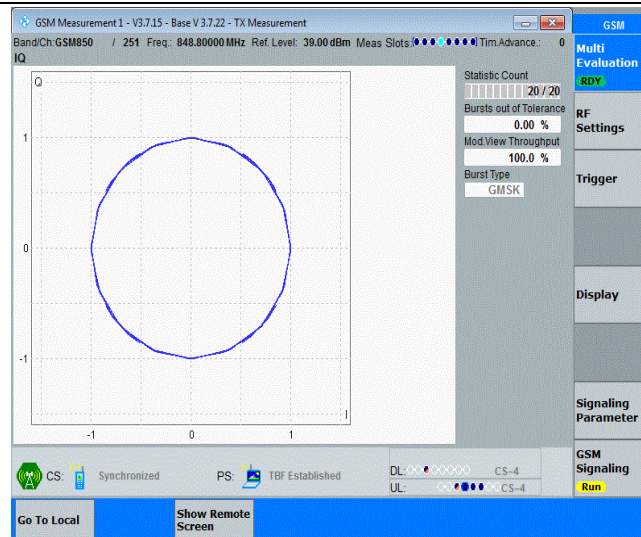
GPRS850-128



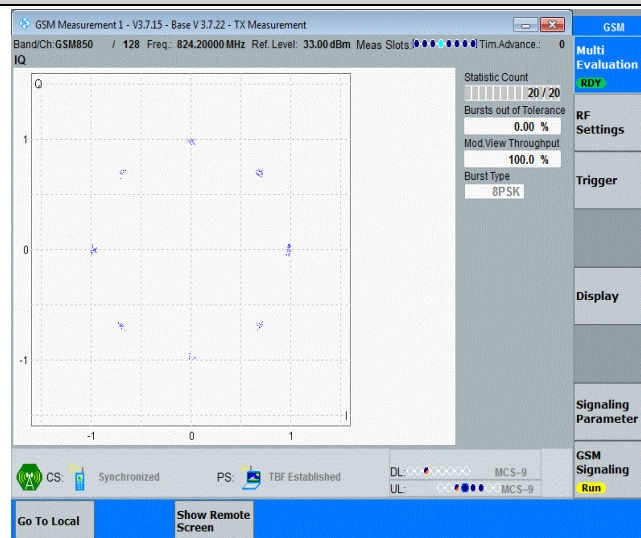
GPRS850-190



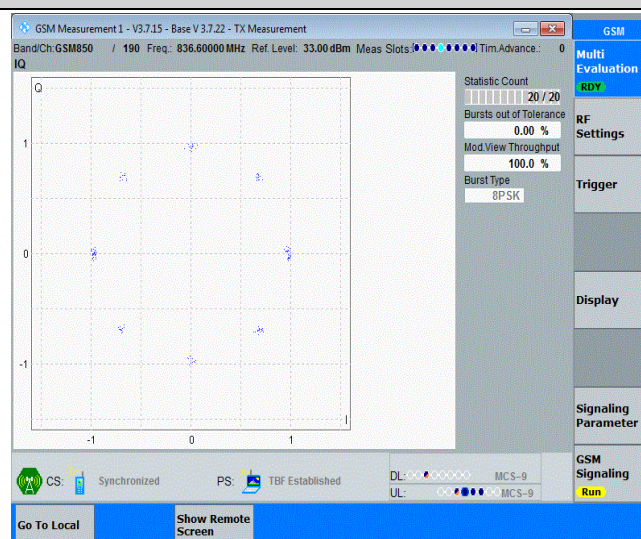
GPRS850-251



EGPRS850-128



EGPRS850-190



EGPRS850-251

