

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	Conducted Power (dBm)	ERP/EIRP(dBm)	ERP/EIRP Limit (dBm)	Verdict
GSM1900	512	31.01	29.8	33.00	PASS
GSM1900	661	31.02	29.81	33.00	PASS
GSM1900	810	30.78	29.57	33.00	PASS
GSM850	128	32.84	23.34	38.45	PASS
GSM850	190	32.91	23.41	38.45	PASS
GSM850	251	32.89	23.39	38.45	PASS

Band	Channel	Up Slot Num	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
GPRS850	128	1	32.83	23.33	38.45	PASS
GPRS850	128	2	31.88	22.38	38.45	PASS
GPRS850	128	3	29.95	20.45	38.45	PASS
GPRS850	128	4	28.82	19.32	38.45	PASS
GPRS850	190	1	32.82	23.32	38.45	PASS
GPRS850	190	2	31.92	22.42	38.45	PASS
GPRS850	190	3	29.99	20.49	38.45	PASS
GPRS850	190	4	28.88	19.38	38.45	PASS
GPRS850	251	1	32.79	23.29	38.45	PASS
GPRS850	251	2	31.90	22.40	38.45	PASS
GPRS850	251	3	29.97	20.47	38.45	PASS
GPRS850	251	4	28.86	19.36	38.45	PASS
GPRS1900	512	1	30.95	29.74	33.00	PASS
GPRS1900	512	2	30.01	28.8	33.00	PASS
GPRS1900	512	3	27.56	26.35	33.00	PASS
GPRS1900	512	4	26.45	25.24	33.00	PASS
GPRS1900	661	1	30.87	29.66	33.00	PASS
GPRS1900	661	2	29.85	28.64	33.00	PASS
GPRS1900	661	3	27.36	26.15	33.00	PASS
GPRS1900	661	4	26.24	25.03	33.00	PASS
GPRS1900	810	1	30.64	29.43	33.00	PASS
GPRS1900	810	2	29.51	28.3	33.00	PASS
GPRS1900	810	3	27.02	25.81	33.00	PASS
GPRS1900	810	4	25.90	24.69	33.00	PASS

Band	Channel	Up Slot Num	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
EGPRS850	128	1	26.88	17.38	38.45	PASS
EGPRS850	128	2	25.60	16.10	38.45	PASS
EGPRS850	128	3	23.31	13.81	38.45	PASS
EGPRS850	128	4	22.00	12.50	38.45	PASS
EGPRS850	190	1	26.65	17.15	38.45	PASS
EGPRS850	190	2	25.63	16.13	38.45	PASS
EGPRS850	190	3	23.27	13.77	38.45	PASS
EGPRS850	190	4	21.98	12.48	38.45	PASS
EGPRS850	251	1	26.73	17.23	38.45	PASS
EGPRS850	251	2	25.66	16.16	38.45	PASS
EGPRS850	251	3	23.31	13.81	38.45	PASS
EGPRS850	251	4	22.00	12.50	38.45	PASS
EGPRS1900	512	1	26.95	25.74	33.00	PASS
EGPRS1900	512	2	26.04	24.83	33.00	PASS
EGPRS1900	512	3	24.08	22.87	33.00	PASS
EGPRS1900	512	4	23.13	21.92	33.00	PASS
EGPRS1900	661	1	26.53	25.32	33.00	PASS
EGPRS1900	661	2	25.67	24.46	33.00	PASS
EGPRS1900	661	3	23.71	22.5	33.00	PASS
EGPRS1900	661	4	22.78	21.57	33.00	PASS
EGPRS1900	810	1	26.11	24.9	33.00	PASS
EGPRS1900	810	2	25.15	23.94	33.00	PASS
EGPRS1900	810	3	23.18	21.97	33.00	PASS
EGPRS1900	810	4	22.21	21	33.00	PASS

Remark: EIRP (dBm) = Conducted power (dBm) + Antenna Gain (dBi). (For GSM1900)

ERP (dBm) = EIRP (dBm) - 2.15 (dB). (For GSM850)

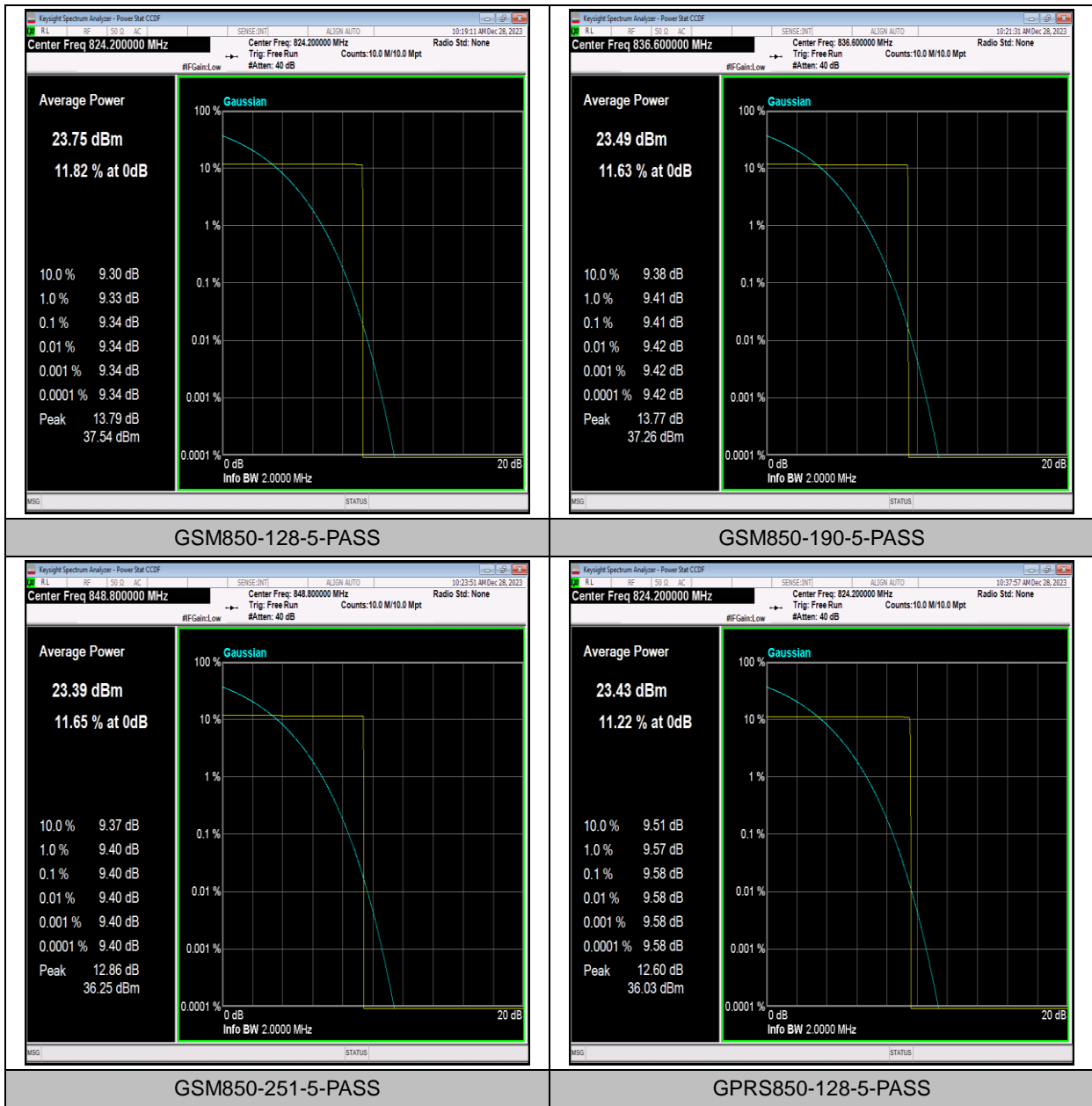
Appendix B: Peak-to-Average Ratio(CCDF)

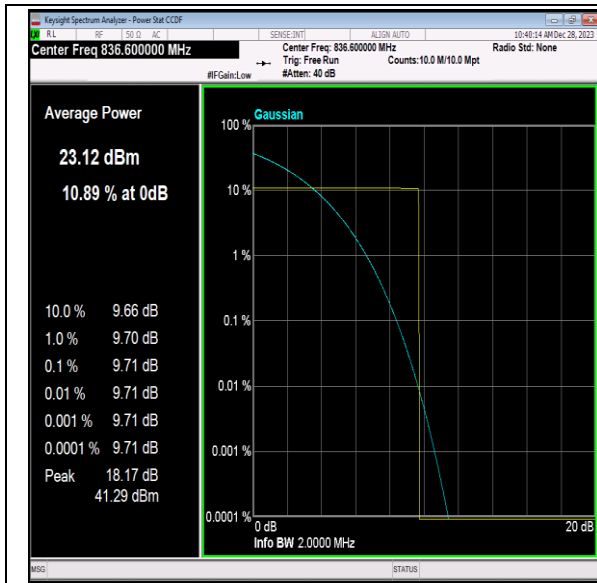
Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	128	9.34	13	PASS
GSM850	190	9.41	13	PASS
GSM850	251	9.40	13	PASS
GPRS850	128	9.58	13	PASS
GPRS850	190	9.71	13	PASS
GPRS850	251	9.42	13	PASS
EGPRS850	128	12.75	13	PASS
EGPRS850	190	12.64	13	PASS
EGPRS850	251	12.56	13	PASS
GSM1900	512	9.40	13	PASS
GSM1900	661	9.34	13	PASS
GSM1900	810	9.43	13	PASS
GPRS1900	512	9.58	13	PASS
GPRS1900	661	9.62	13	PASS
GPRS1900	810	9.68	13	PASS
EGPRS1900	512	12.15	13	PASS
EGPRS1900	661	12.52	13	PASS
EGPRS1900	810	12.28	13	PASS

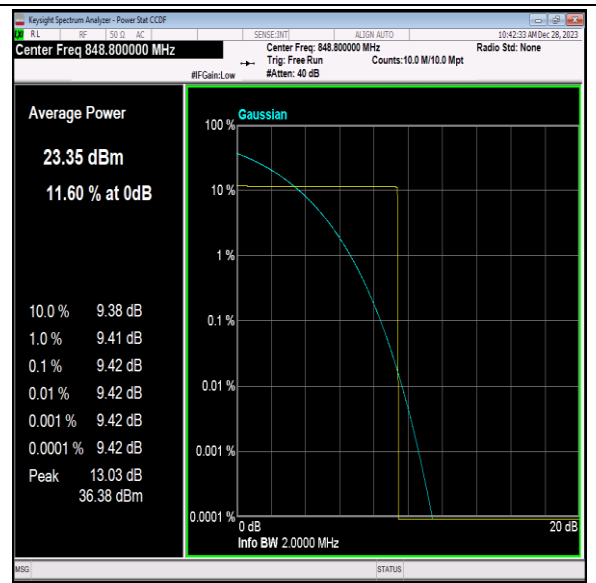
Remark: All channel and all modulation had been tested, but only the worst case data displayed in this report.

Test Graphs

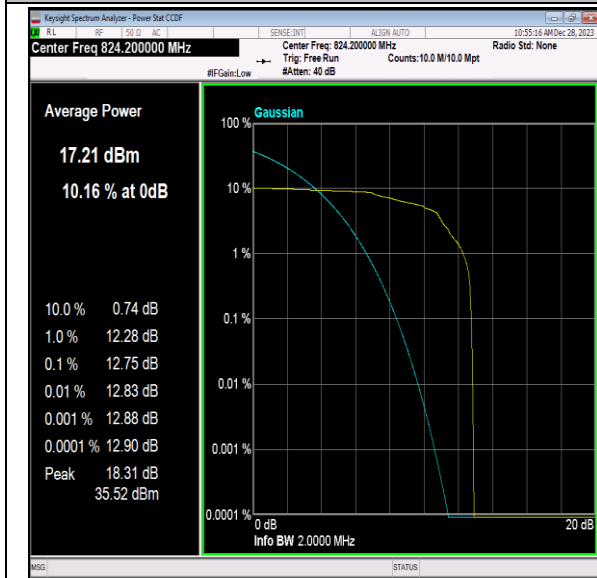




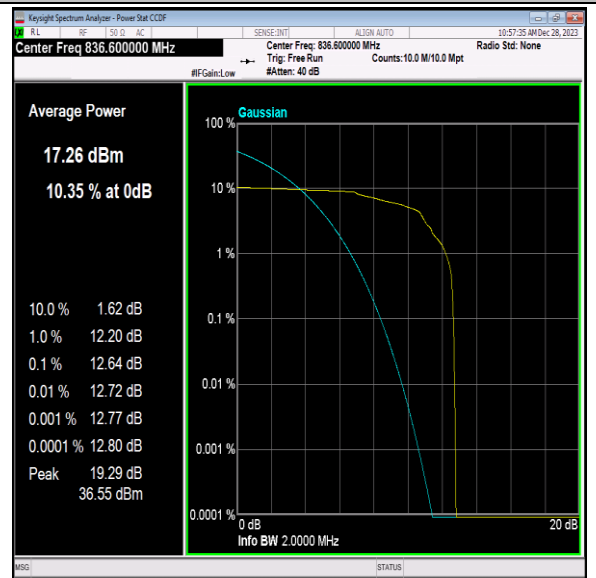
GPRS850-190-5-PASS



GPRS850-251-5-PASS



EGPRS850-128-8-PASS



EGPRS850-190-8-PASS



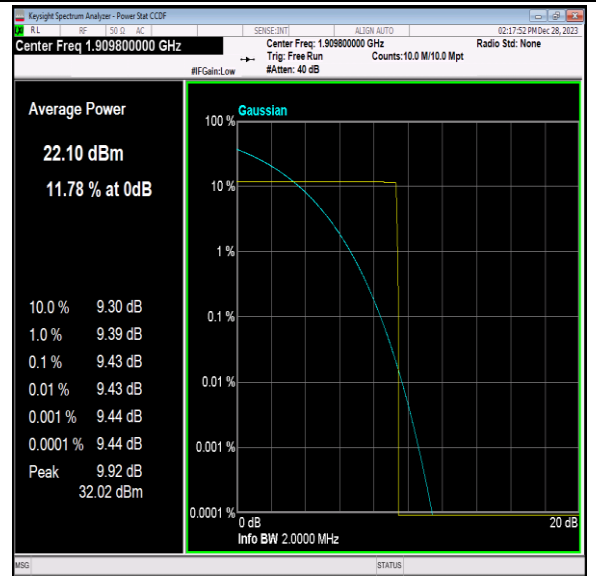
EGPRS850-251-8-PASS



GSM1900-512-0-PASS



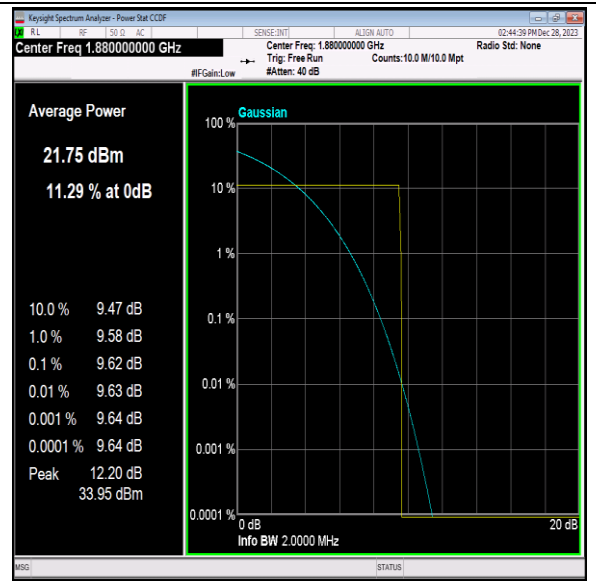
GSM1900-661-0-PASS



GSM1900-810-0-PASS



GPRS1900-512-0-PASS



GPRS1900-661-0-PASS



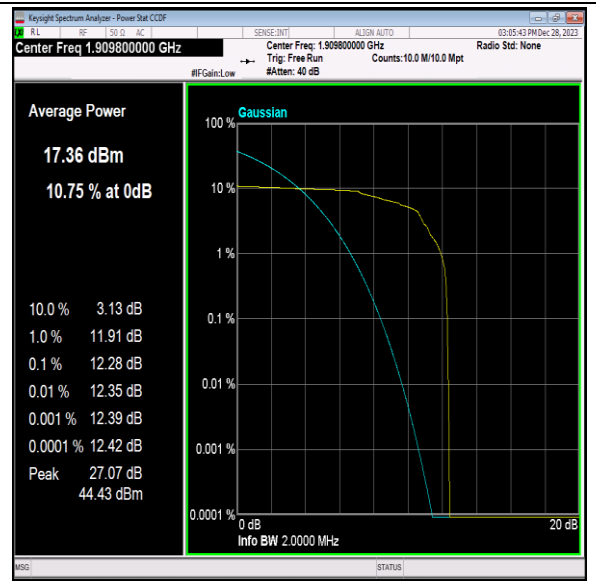
GPRS1900-810-0-PASS



EGPRS1900-512-2-PASS



EGPRS1900-661-2-PASS



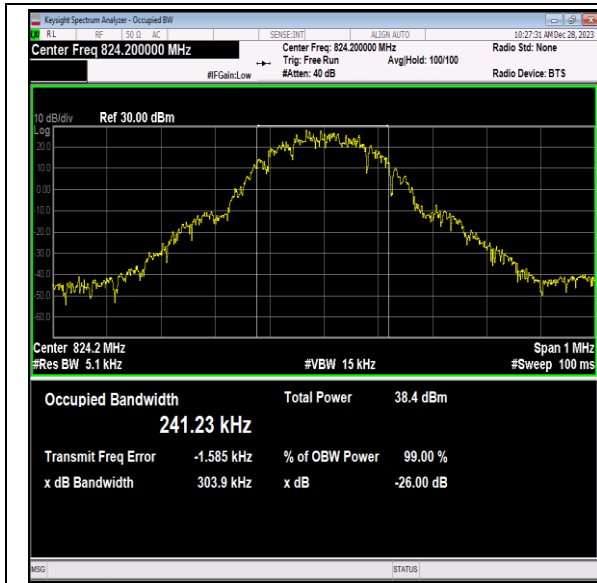
EGPRS1900-810-2-PASS

Appendix C: 26dB Bandwidth and Occupied Bandwidth

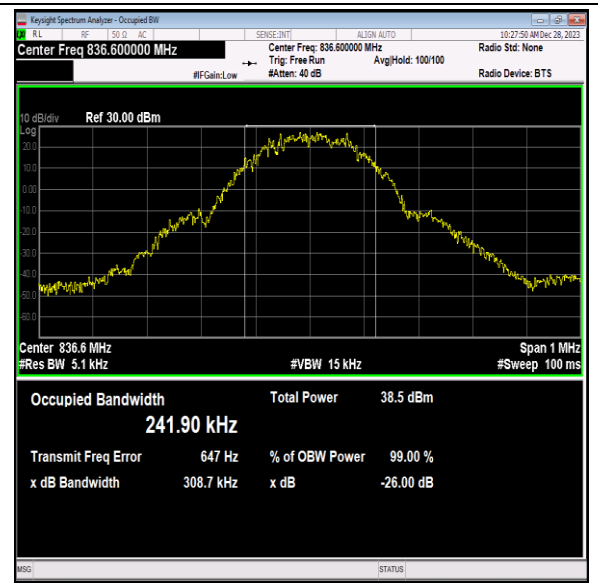
Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.24123	0.3039	---	PASS
GSM850	190	0.24190	0.3087	---	PASS
GSM850	251	0.24406	0.3044	---	PASS
GPRS850	128	0.24693	0.3115	---	PASS
GPRS850	190	0.24394	0.3110	---	PASS
GPRS850	251	0.25247	0.3110	---	PASS
EGPRS850	128	0.24709	0.3088	---	PASS
EGPRS850	190	0.24704	0.3131	---	PASS
EGPRS850	251	0.24726	0.3101	---	PASS
GSM1900	512	0.24524	0.3054	---	PASS
GSM1900	661	0.24455	0.2988	---	PASS
GSM1900	810	0.24277	0.3075	---	PASS
GPRS1900	512	0.24540	0.3121	---	PASS
GPRS1900	661	0.24185	0.3154	---	PASS
GPRS1900	810	0.24283	0.3163	---	PASS
EGPRS1900	512	0.24883	0.3237	---	PASS
EGPRS1900	661	0.24541	0.2884	---	PASS
EGPRS1900	810	0.24915	0.3182	---	PASS

Test Graphs



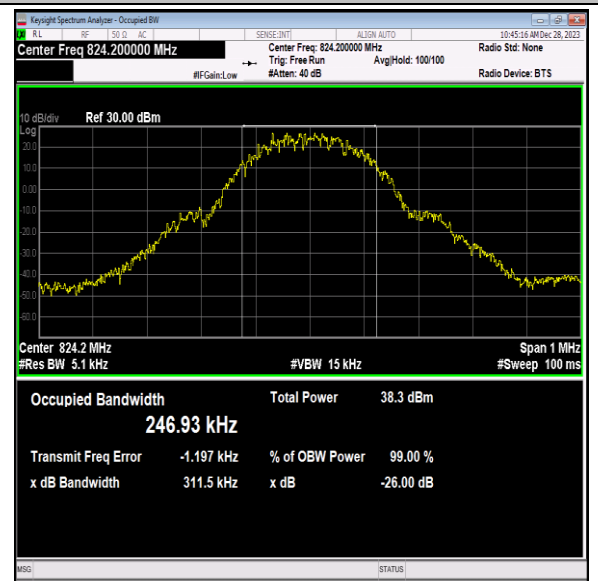
GSM850-128-5-PASS



GSM850-190-5-PASS



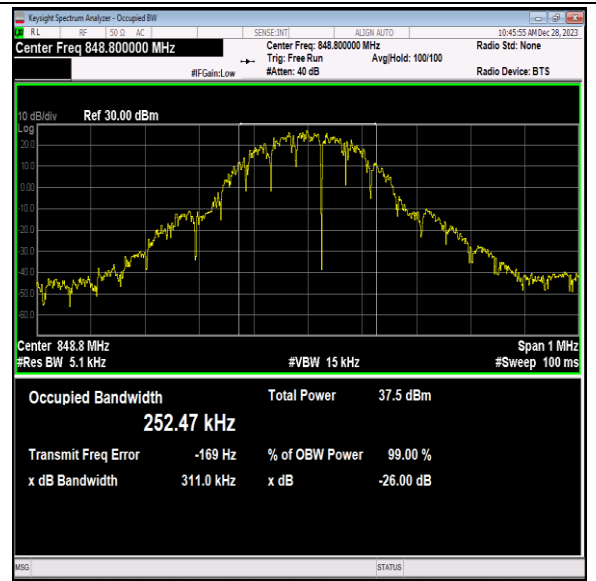
GSM850-251-5-PASS



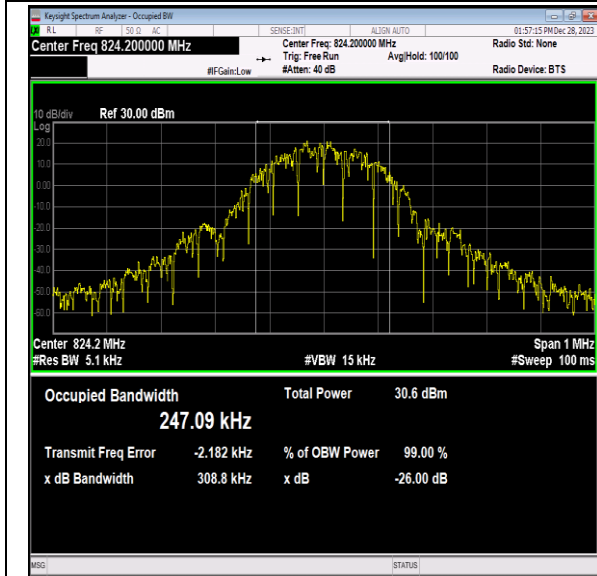
GPRS850-128-5-PASS



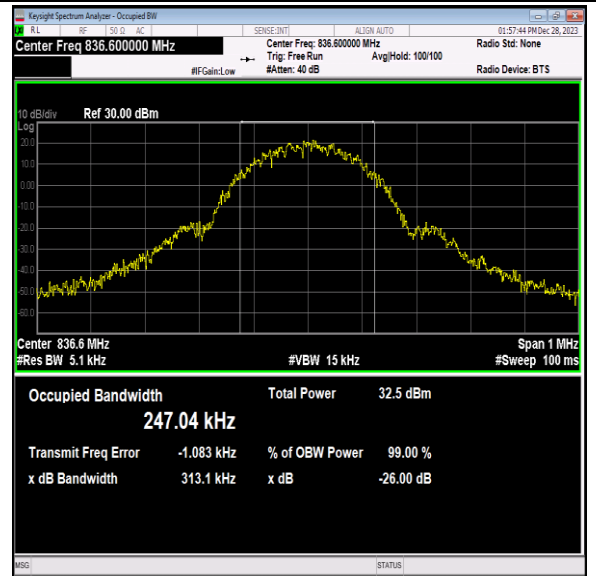
GPRS850-190-5-PASS



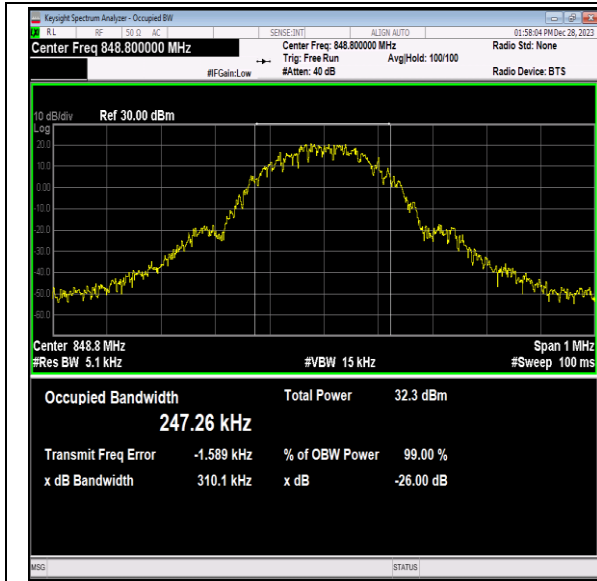
GPRS850-251-5-PASS



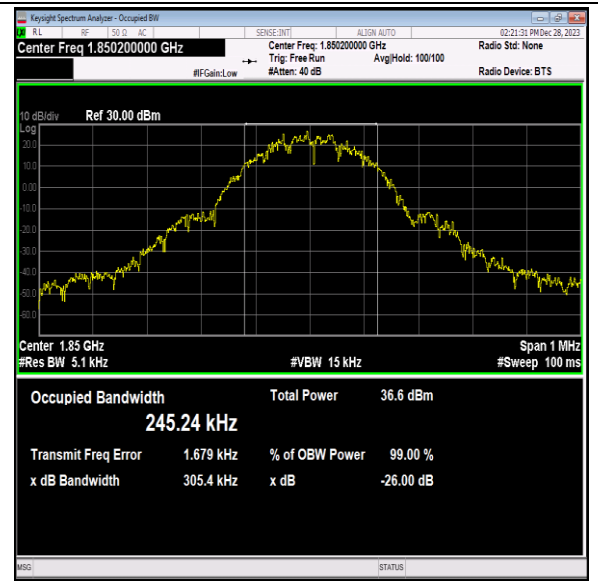
EGPRS850-128-8-PASS



EGPRS850-190-8-PASS



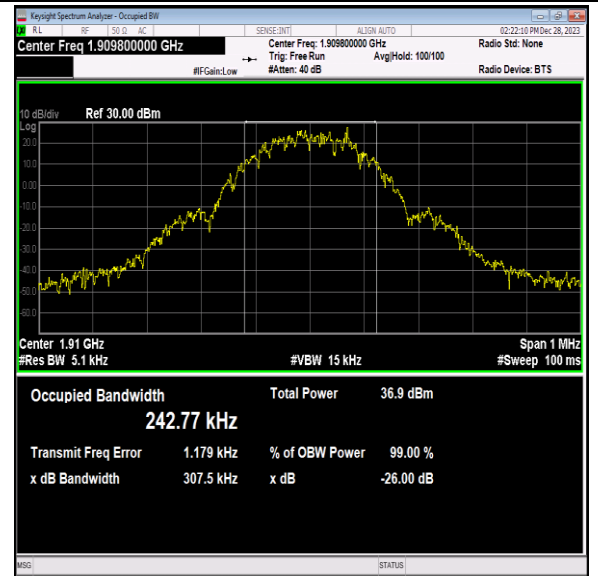
EGPRS850-251-8-PASS



GSM1900-512-0-PASS



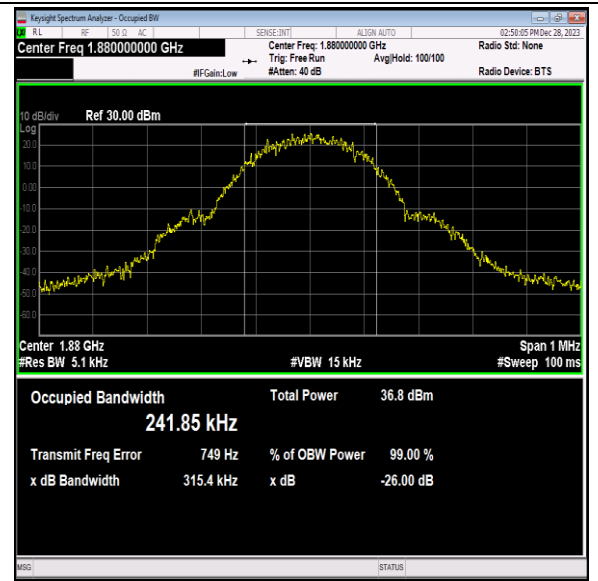
GSM1900-661-0-PASS



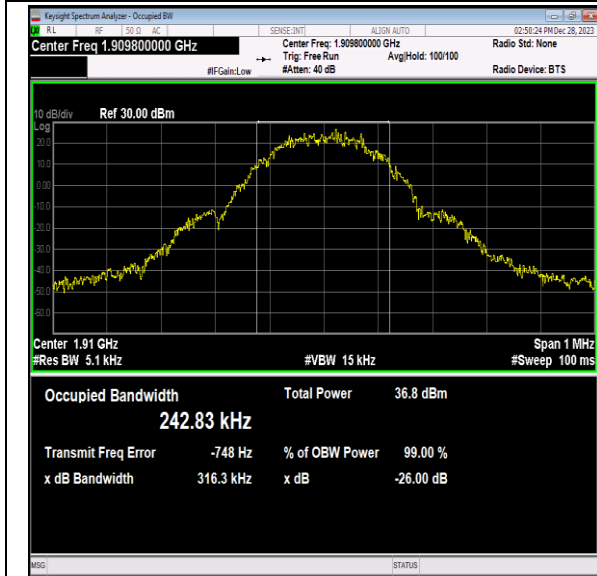
GSM1900-810-0-PASS



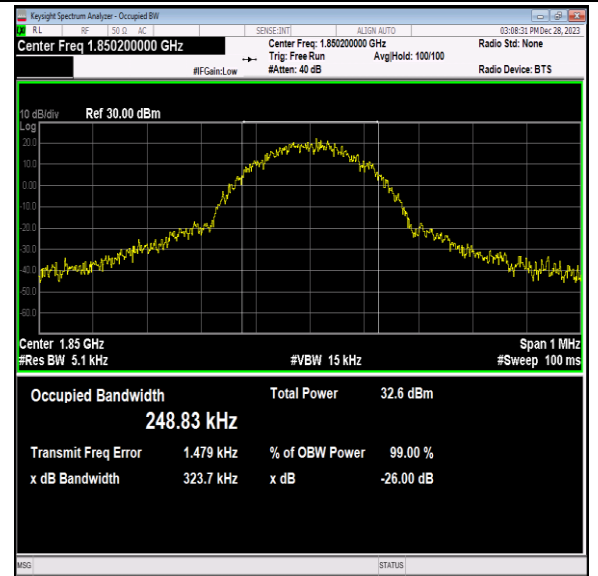
GPRS1900-512-0-PASS



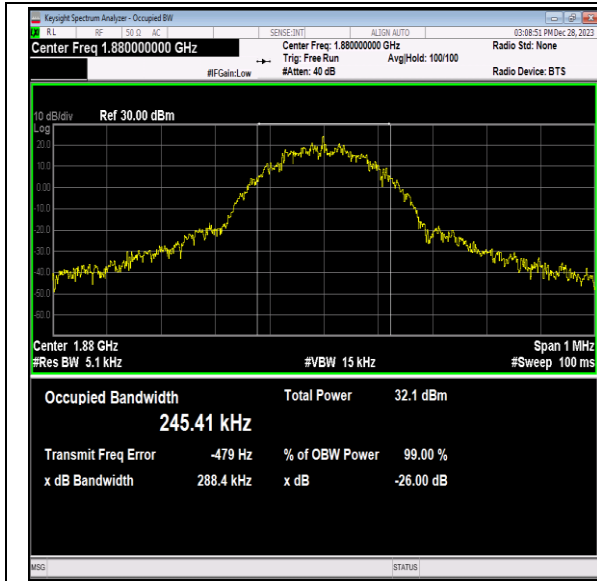
GPRS1900-661-0-PASS



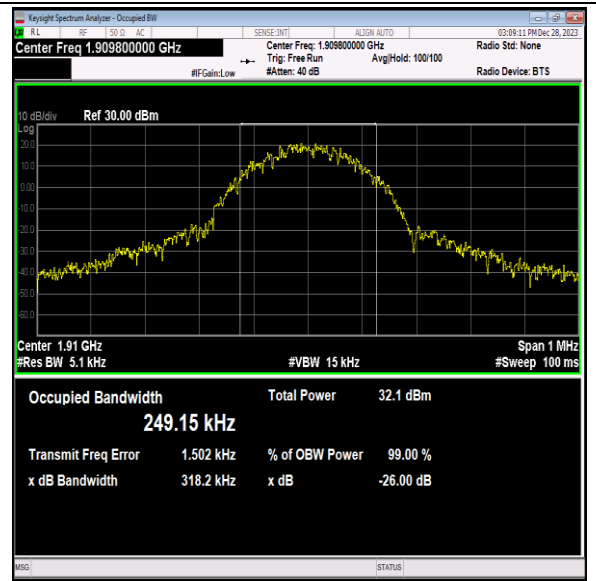
GPRS1900-810-0-PASS



EGPRS1900-512-2-PASS



EGPRS1900-661-2-PASS

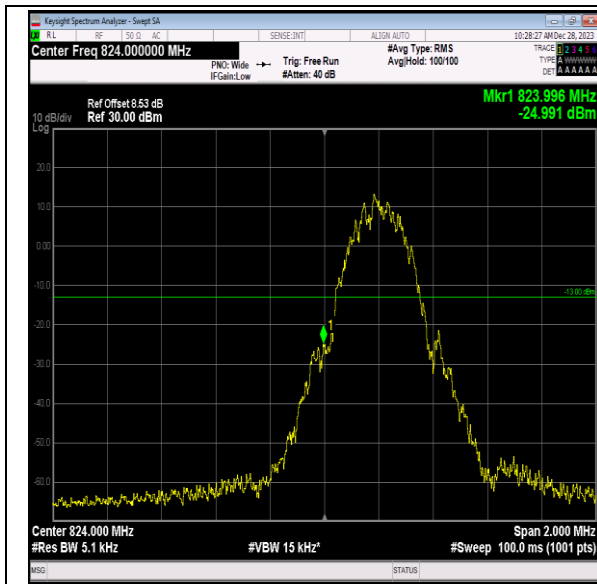


EGPRS1900-810-2-PASS

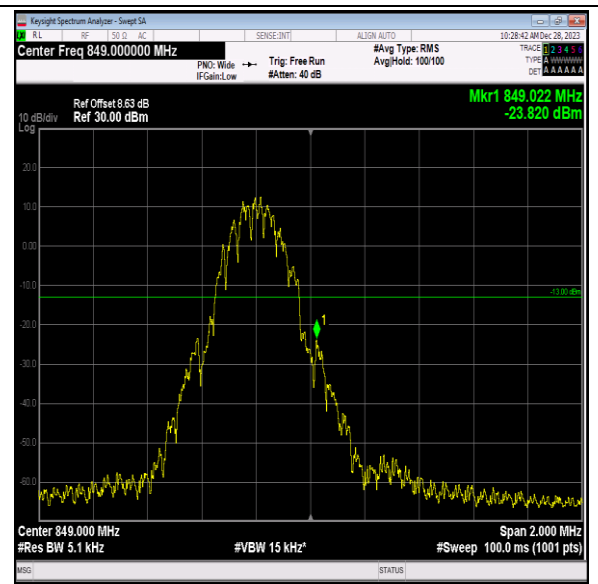
Appendix D: Band Edge**Test Result**

Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	824.00	-24.99	-13	PASS
GSM850	251	849.02	-23.82	-13	PASS
GPRS850	128	824.00	-25.87	-13	PASS
GPRS850	251	849.02	-22.76	-13	PASS
EGPRS850	128	823.98	-32.05	-13	PASS
EGPRS850	251	849.02	-32.73	-13	PASS
GSM1900	512	1849.96	-28.09	-13	PASS
GSM1900	810	1910.02	-23.87	-13	PASS
GPRS1900	512	1849.98	-26.16	-13	PASS
GPRS1900	810	1910.02	-26.19	-13	PASS
EGPRS1900	512	1849.97	-33.25	-13	PASS
EGPRS1900	810	1910.04	-32.66	-13	PASS

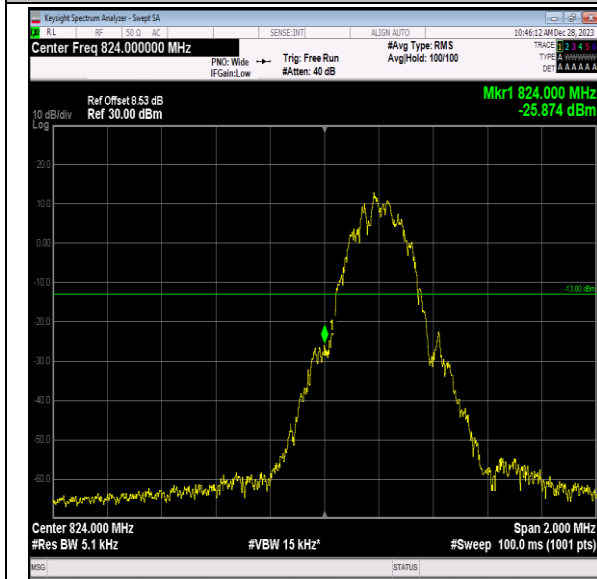
Test Graphs



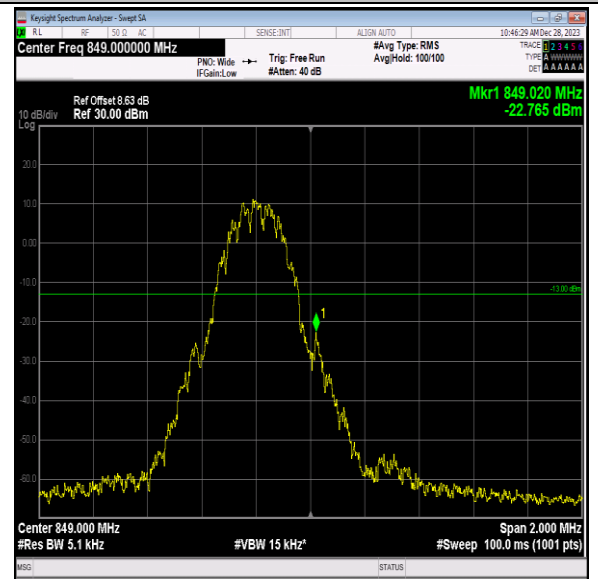
GSM850-128-5-PASS



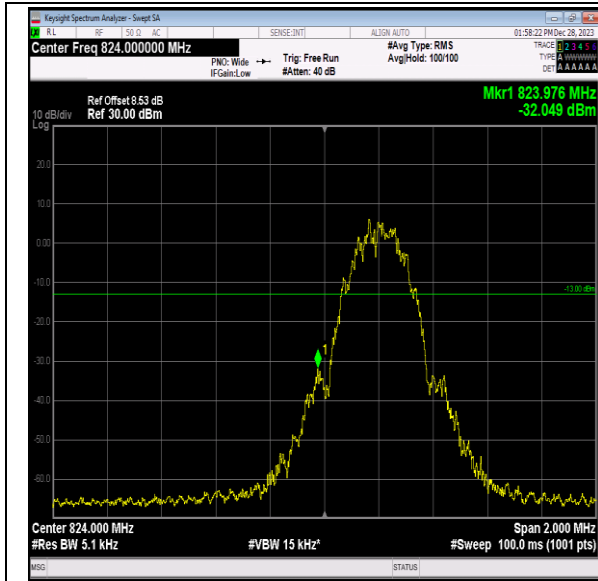
GSM850-251-5-PASS



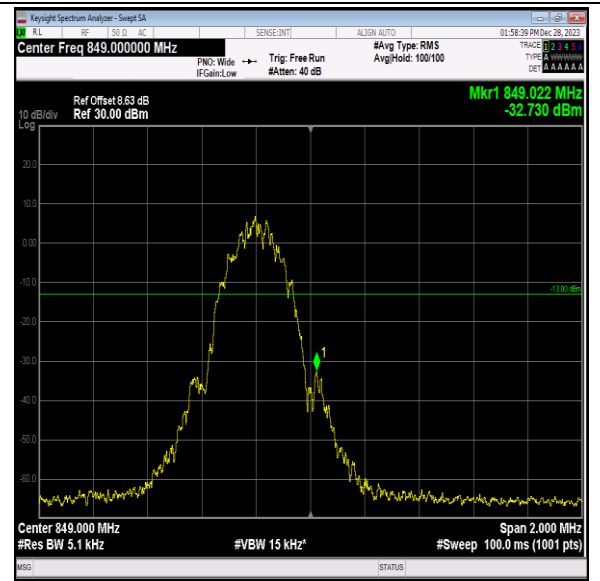
GPRS850-128-5-PASS



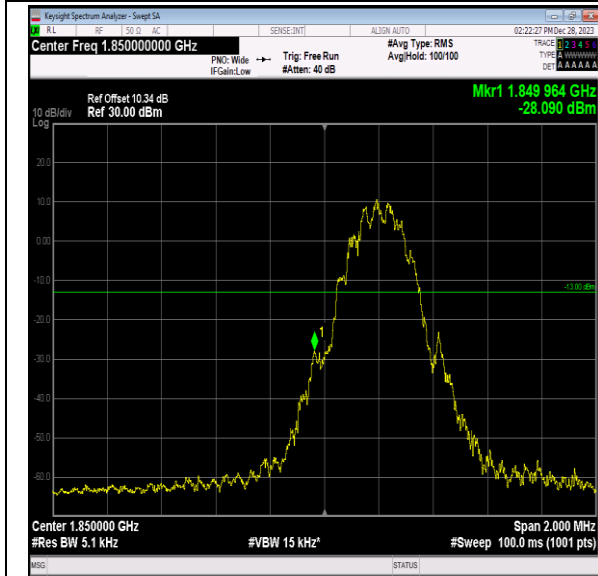
GPRS850-251-5-PASS



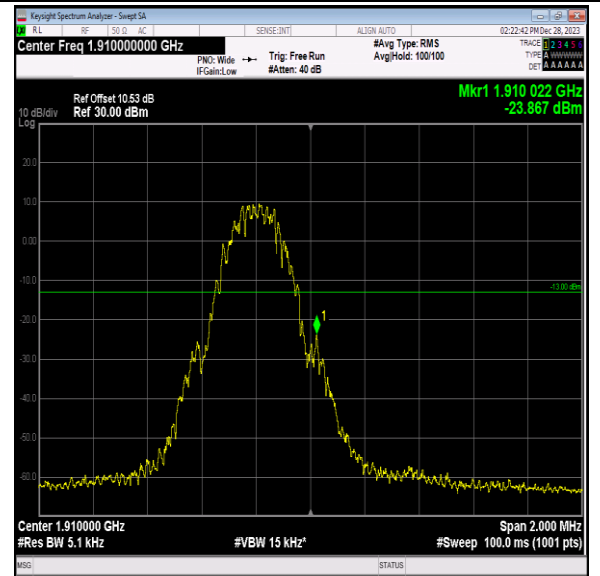
EGPRS850-128-8-PASS



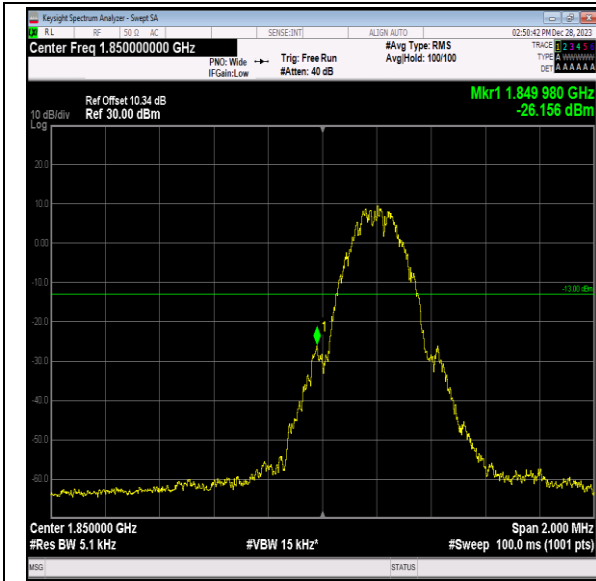
EGPRS850-251-8-PASS



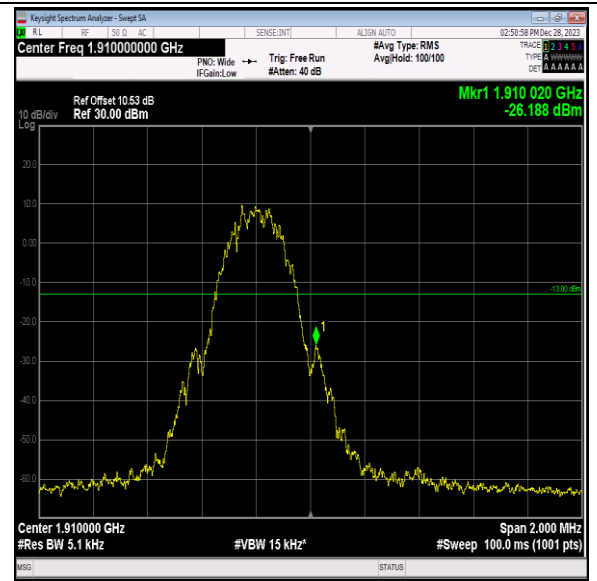
GSM1900-512-0-PASS



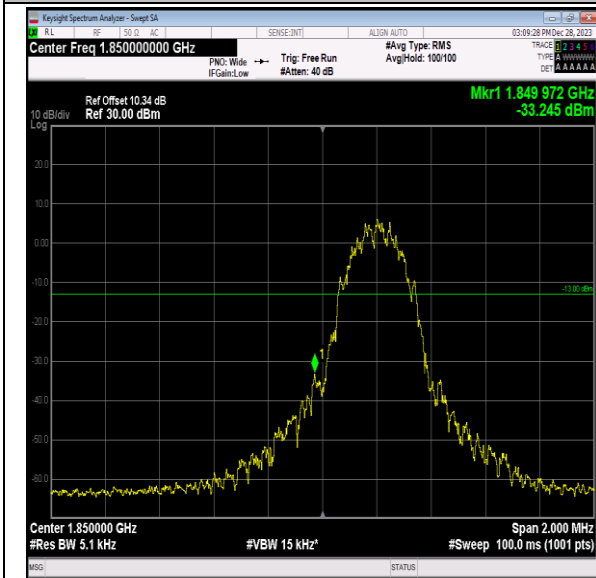
GSM1900-810-0-PASS



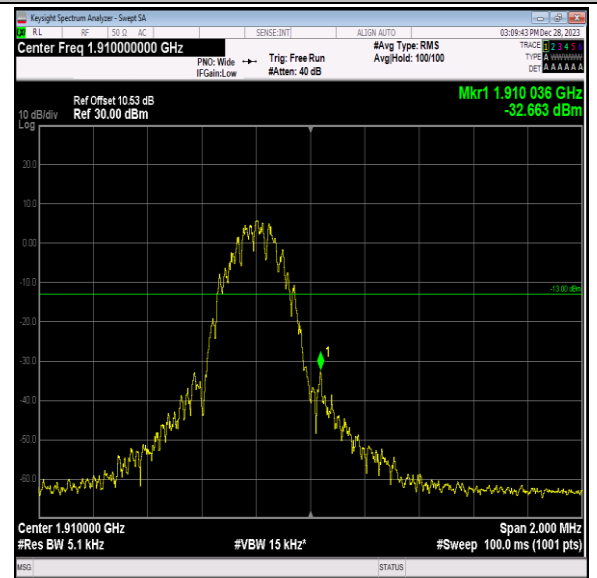
GPRS1900-512-0-PASS



GPRS1900-810-0-PASS



EGPRS1900-512-2-PASS



EGPRS1900-810-2-PASS

Appendix E: Conducted Spurious Emission

Test Result

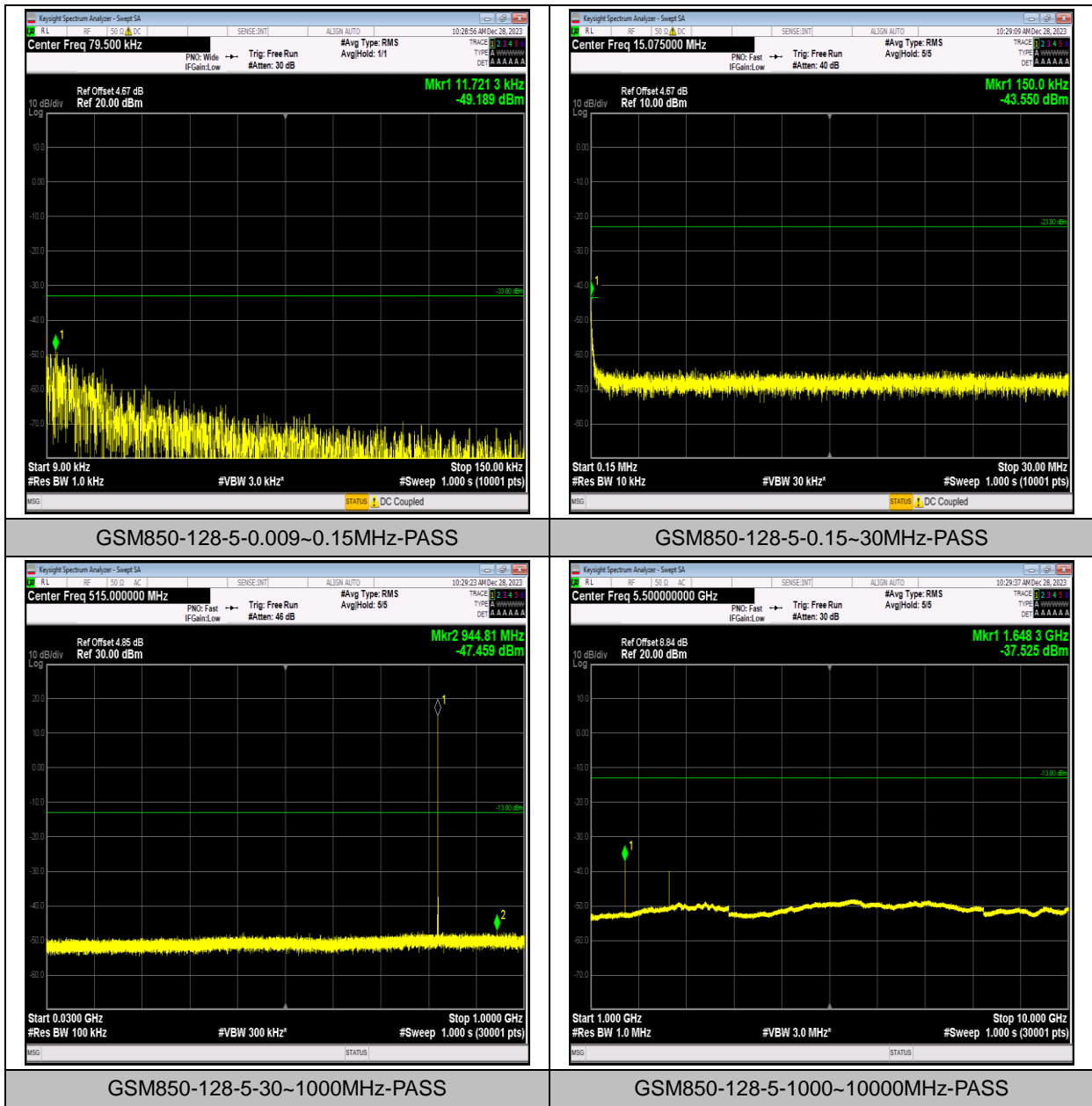
Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM850	128	0.009~0.15MHz	0.01	-49.19	-33	PASS
GSM850	128	0.15~30MHz	0.15	-43.55	-23	PASS
GSM850	128	30~1000MHz	944.81	-47.46	-13	PASS
GSM850	128	1000~10000MHz	1648.3	-37.53	-13	PASS
GSM850	190	0.009~0.15MHz	0.01	-47.25	-33	PASS
GSM850	190	0.15~30MHz	0.17	-44.98	-23	PASS
GSM850	190	30~1000MHz	994.54	-47.75	-13	PASS
GSM850	190	1000~10000MHz	1673.5	-39.04	-13	PASS
GSM850	251	0.009~0.15MHz	0.01	-47.86	-33	PASS
GSM850	251	0.15~30MHz	0.15	-44.36	-23	PASS
GSM850	251	30~1000MHz	993.21	-47.56	-13	PASS
GSM850	251	1000~10000MHz	1697.5	-39.14	-13	PASS
GPRS850	128	0.009~0.15MHz	0.01	-48.76	-33	PASS
GPRS850	128	0.15~30MHz	0.15	-44.55	-23	PASS
GPRS850	128	30~1000MHz	928.96	-47.58	-13	PASS
GPRS850	128	1000~10000MHz	1648.6	-37.64	-13	PASS
GPRS850	190	0.009~0.15MHz	0.01	-48.27	-33	PASS
GPRS850	190	0.15~30MHz	0.17	-45.44	-23	PASS
GPRS850	190	30~1000MHz	690.09	-47.5	-13	PASS
GPRS850	190	1000~10000MHz	2509.9	-40.55	-13	PASS
GPRS850	251	0.009~0.15MHz	0.01	-48.49	-33	PASS
GPRS850	251	0.15~30MHz	0.15	-44.44	-23	PASS
GPRS850	251	30~1000MHz	743.63	-47.68	-13	PASS
GPRS850	251	1000~10000MHz	1697.5	-39.55	-13	PASS
EGPRS850	128	0.009~0.15MHz	0.01	-49.79	-33	PASS
EGPRS850	128	0.15~30MHz	0.15	-44.82	-23	PASS
EGPRS850	128	30~1000MHz	932.1	-47.65	-13	PASS
EGPRS850	128	1000~10000MHz	1648.3	-47.01	-13	PASS
EGPRS850	190	0.009~0.15MHz	0.01	-48.53	-33	PASS
EGPRS850	190	0.15~30MHz	0.16	-44.69	-23	PASS
EGPRS850	190	30~1000MHz	941.67	-47.91	-13	PASS
EGPRS850	190	1000~10000MHz	5918.5	-48.51	-13	PASS
EGPRS850	251	0.009~0.15MHz	0.01	-48.63	-33	PASS
EGPRS850	251	0.15~30MHz	0.15	-44.9	-23	PASS
EGPRS850	251	30~1000MHz	974.23	-48.11	-13	PASS

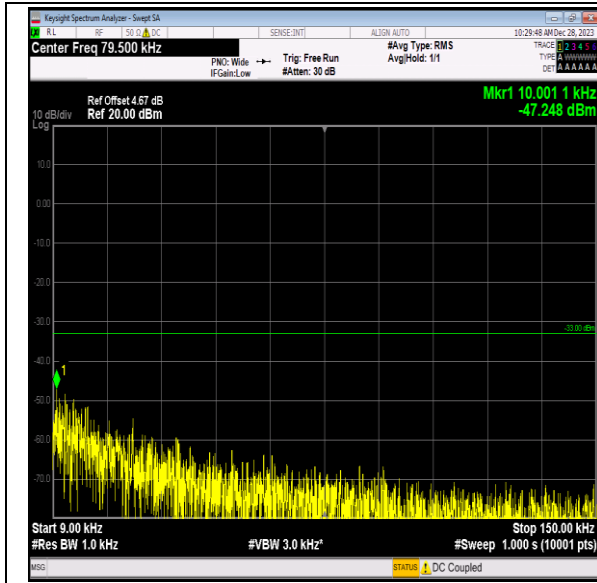
EGPRS850	251	1000~10000MHz	1697.2	-48.02	-13	PASS
GSM1900	512	0.009~0.15MHz	0.01	-50.88	-43	PASS
GSM1900	512	0.15~30MHz	0.16	-44.62	-33	PASS
GSM1900	512	30~1000MHz	824.4	-45.14	-13	PASS
GSM1900	512	1000~3000MHz	2652	-32.74	-13	PASS
GSM1900	512	3000~18000MHz	17009	-40.03	-13	PASS
GSM1900	661	0.009~0.15MHz	0.01	-51.02	-43	PASS
GSM1900	661	0.15~30MHz	0.15	-44.12	-33	PASS
GSM1900	661	30~1000MHz	925.73	-45.29	-13	PASS
GSM1900	661	1000~3000MHz	2659.6	-32.89	-13	PASS
GSM1900	661	3000~18000MHz	17010.5	-40.01	-13	PASS
GSM1900	810	0.009~0.15MHz	0.01	-51.11	-43	PASS
GSM1900	810	0.15~30MHz	0.15	-43.64	-33	PASS
GSM1900	810	30~1000MHz	870.05	-45.23	-13	PASS
GSM1900	810	1000~3000MHz	2634.87	-32.93	-13	PASS
GSM1900	810	3000~18000MHz	17013.5	-39.93	-13	PASS
GPRS1900	512	0.009~0.15MHz	0.01	-51.89	-43	PASS
GPRS1900	512	0.15~30MHz	0.15	-44.48	-33	PASS
GPRS1900	512	30~1000MHz	923.21	-45.23	-13	PASS
GPRS1900	512	1000~3000MHz	2663.4	-32.99	-13	PASS
GPRS1900	512	3000~18000MHz	17003.5	-40.36	-13	PASS
GPRS1900	661	0.009~0.15MHz	0.01	-51.43	-43	PASS
GPRS1900	661	0.15~30MHz	0.16	-45.71	-33	PASS
GPRS1900	661	30~1000MHz	793.42	-45.05	-13	PASS
GPRS1900	661	1000~3000MHz	2657.07	-32.72	-13	PASS
GPRS1900	661	3000~18000MHz	17015	-40.18	-13	PASS
GPRS1900	810	0.009~0.15MHz	0.01	-49.37	-43	PASS
GPRS1900	810	0.15~30MHz	0.16	-45.31	-33	PASS
GPRS1900	810	30~1000MHz	806.1	-45.03	-13	PASS
GPRS1900	810	1000~3000MHz	2637.33	-32.87	-13	PASS
GPRS1900	810	3000~18000MHz	17035	-40.17	-13	PASS
EGPRS1900	512	0.009~0.15MHz	0.01	-51.56	-43	PASS
EGPRS1900	512	0.15~30MHz	0.15	-43.33	-33	PASS
EGPRS1900	512	30~1000MHz	928.54	-45.14	-13	PASS
EGPRS1900	512	1000~3000MHz	2667.67	-32.81	-13	PASS
EGPRS1900	512	3000~18000MHz	17055.5	-40.29	-13	PASS
EGPRS1900	661	0.009~0.15MHz	0.01	-51.48	-43	PASS
EGPRS1900	661	0.15~30MHz	0.16	-44.33	-33	PASS
EGPRS1900	661	30~1000MHz	944.9	-45.03	-13	PASS
EGPRS1900	661	1000~3000MHz	2676.73	-32.86	-13	PASS
EGPRS1900	661	3000~18000MHz	16989.5	-40.09	-13	PASS

EGPRS1900	810	0.009~0.15MHz	0.01	-51.46	-43	PASS
EGPRS1900	810	0.15~30MHz	0.15	-44.25	-33	PASS
EGPRS1900	810	30~1000MHz	932.13	-44.8	-13	PASS
EGPRS1900	810	1000~3000MHz	2666.33	-32.9	-13	PASS
EGPRS1900	810	3000~18000MHz	16988	-40.32	-13	PASS

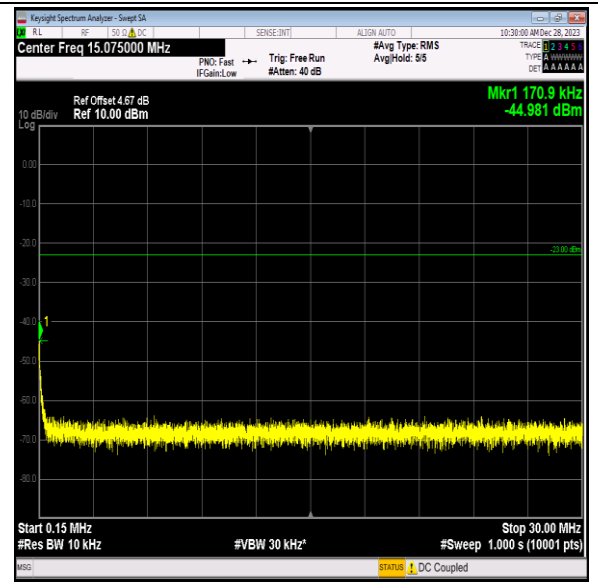
Remark: All channel and all modulation had been tested, but only the worst case data displayed in this report.

Test Graphs

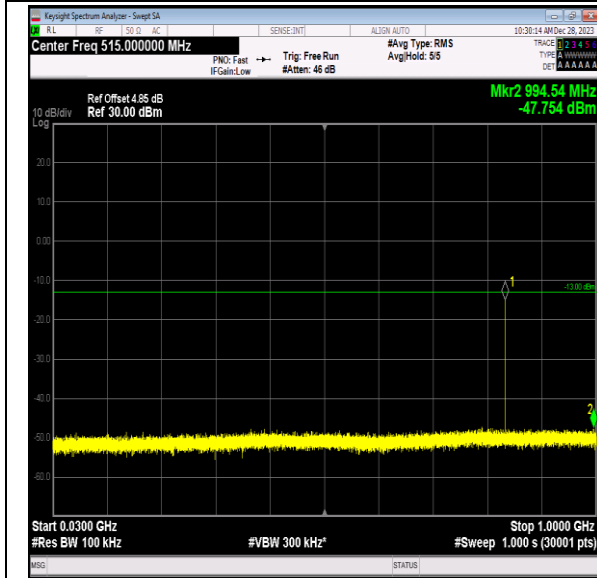




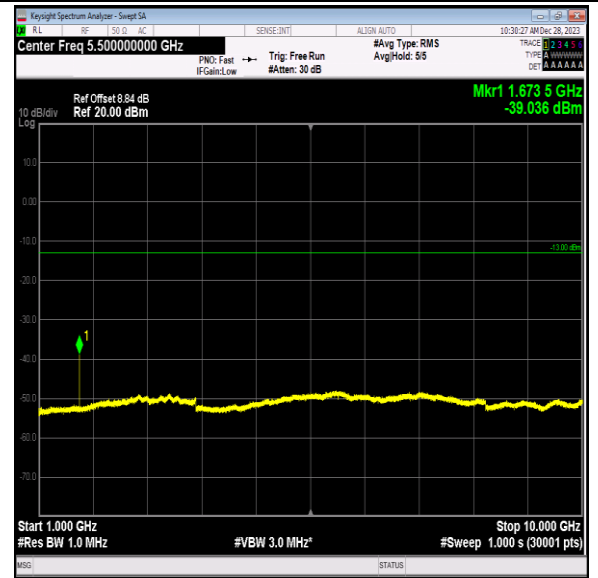
GSM850-190-5-0.009~0.15MHz-PASS



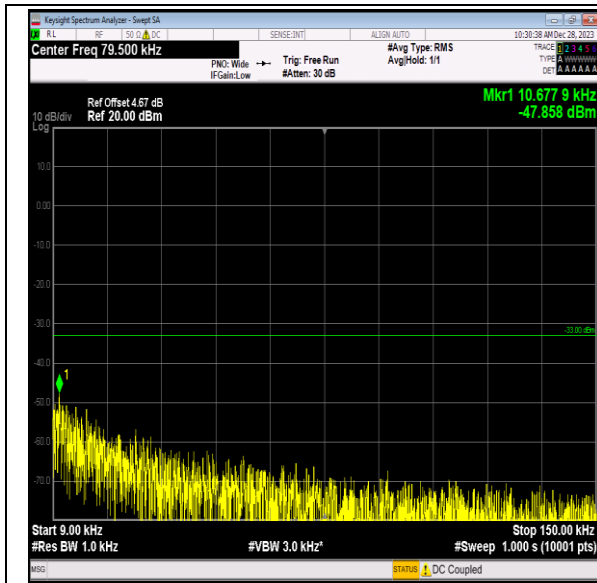
GSM850-190-5-0.15~30MHz-PASS



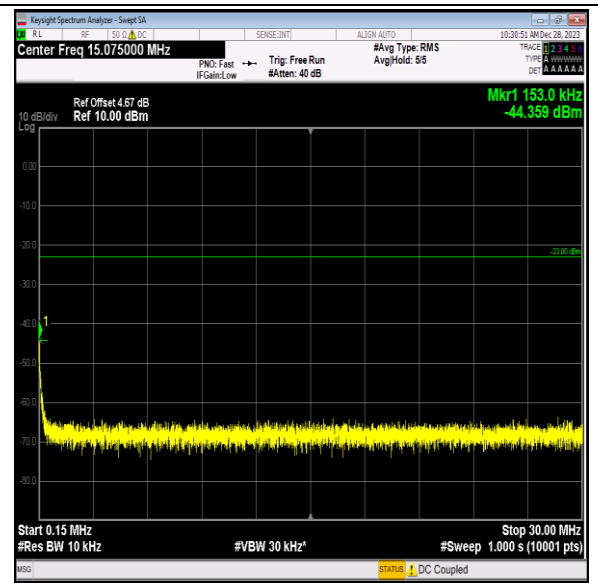
GSM850-190-5-30~1000MHz-PASS



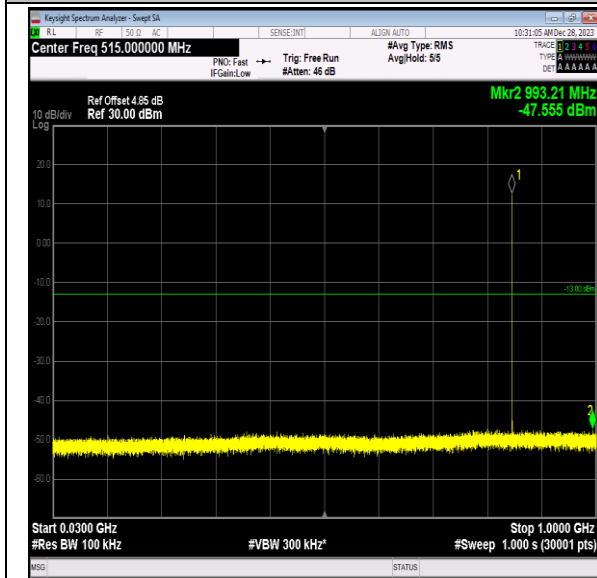
GSM850-190-5-1000~10000MHz-PASS



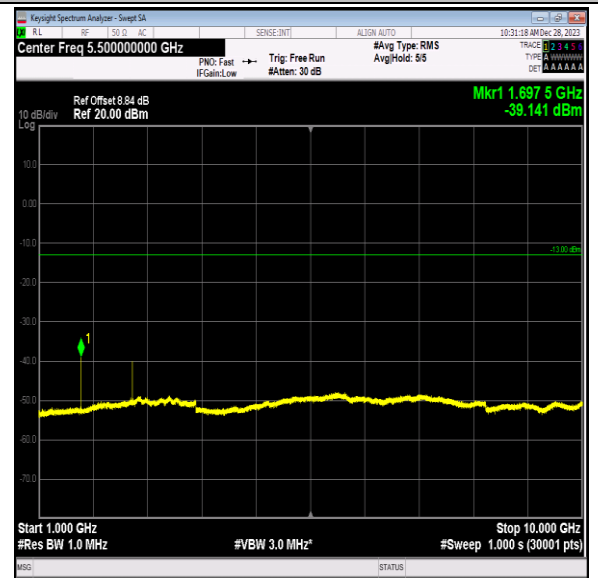
GSM850-251-5-0.009~0.15MHz-PASS



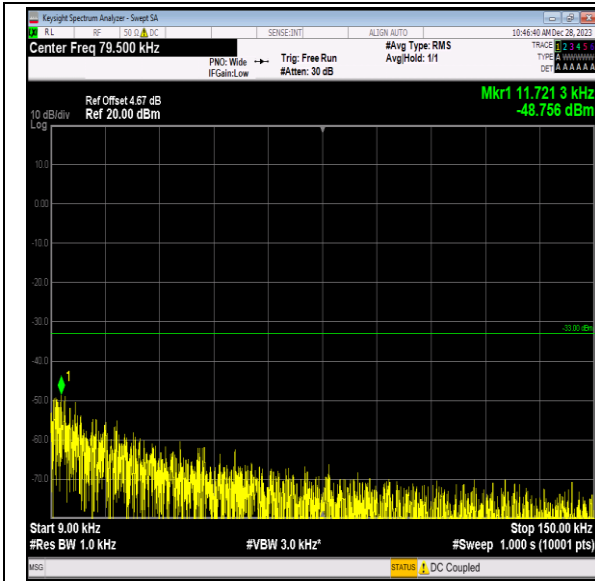
GSM850-251-5-0.15~30MHz-PASS



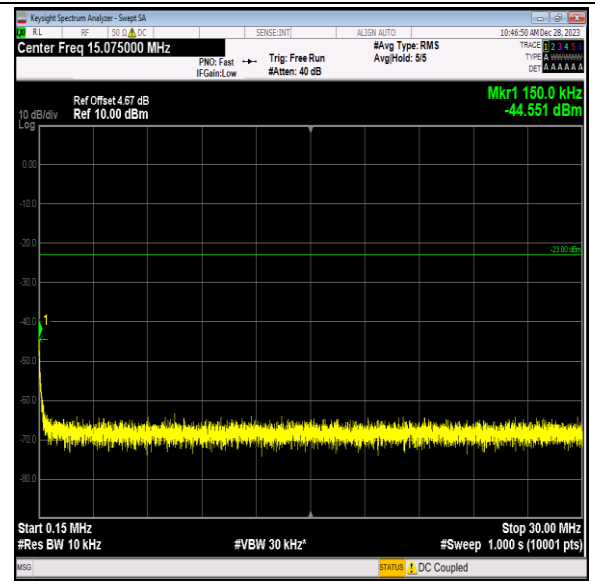
GSM850-251-5-30~1000MHz-PASS



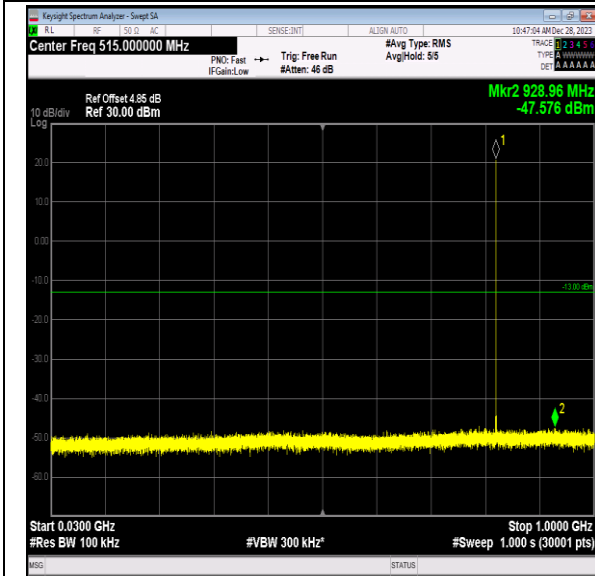
GSM850-251-5-1000~10000MHz-PASS



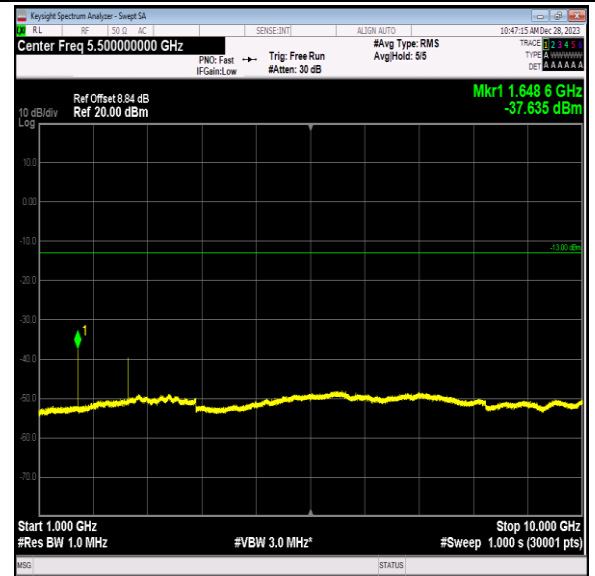
GPRS850-128-5-0.009~0.15MHz-PASS



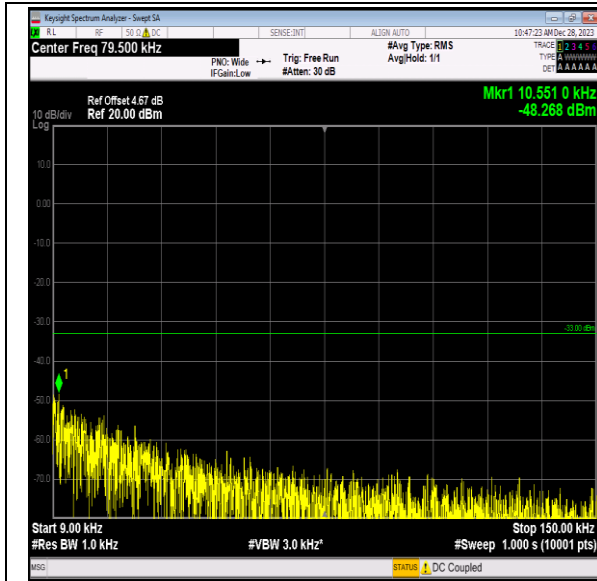
GPRS850-128-5-0.15~30MHz-PASS



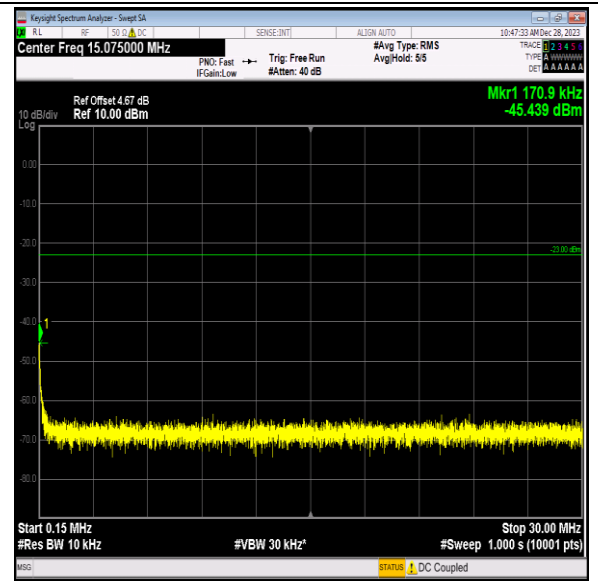
GPRS850-128-5-30~1000MHz-PASS



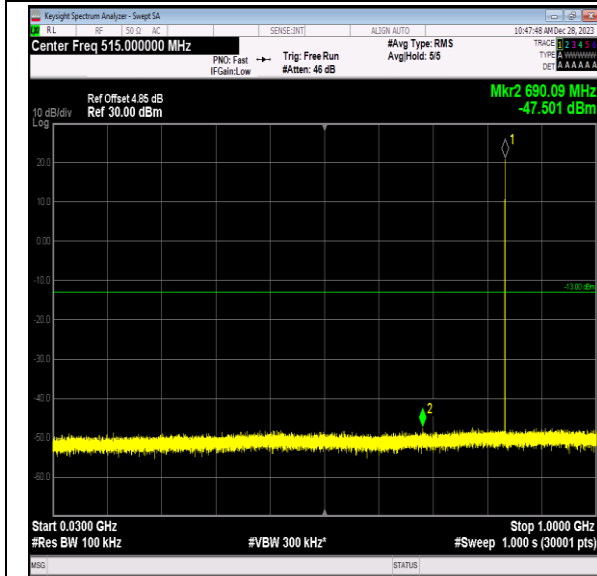
GPRS850-128-5-1000~10000MHz-PASS



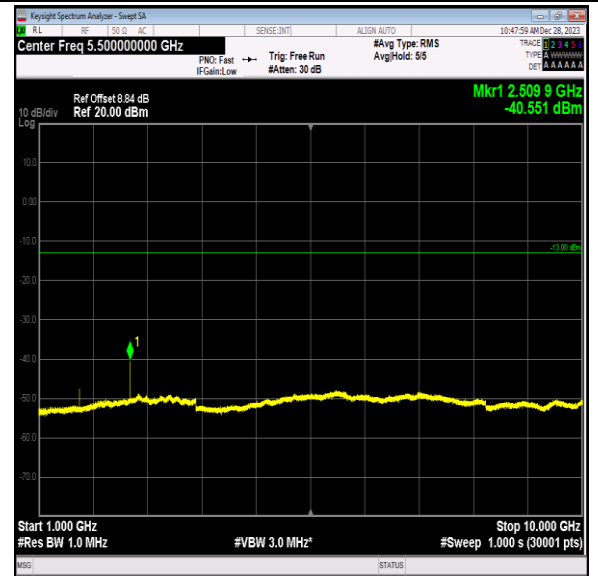
GPRS850-190-5-0.009~0.15MHz-PASS



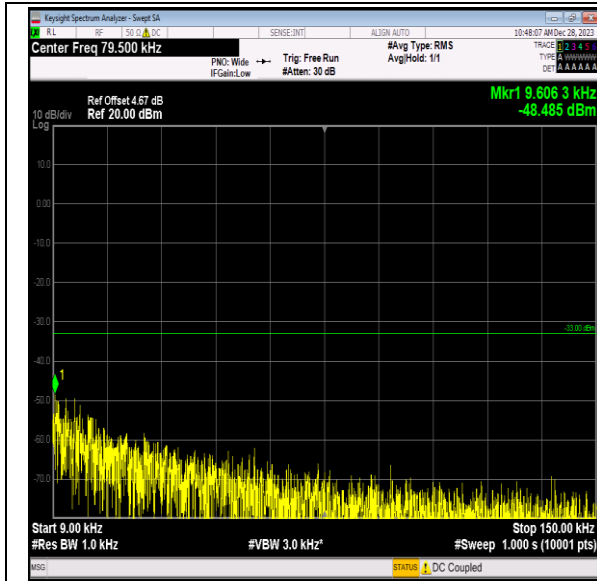
GPRS850-190-5-0.15~30MHz-PASS



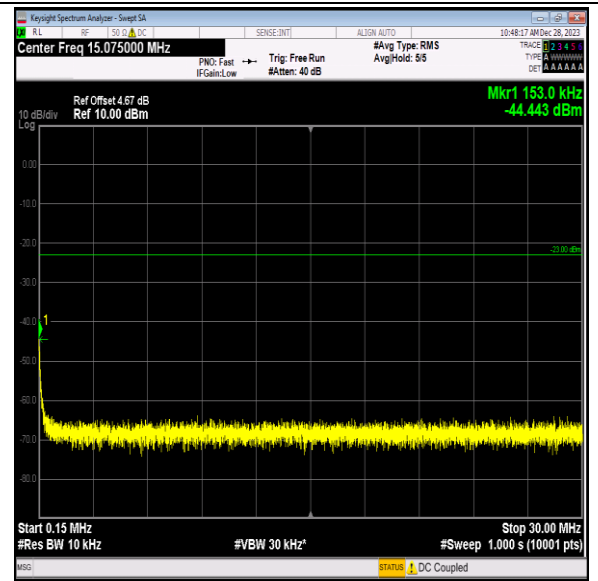
GPRS850-190-5-30~1000MHz-PASS



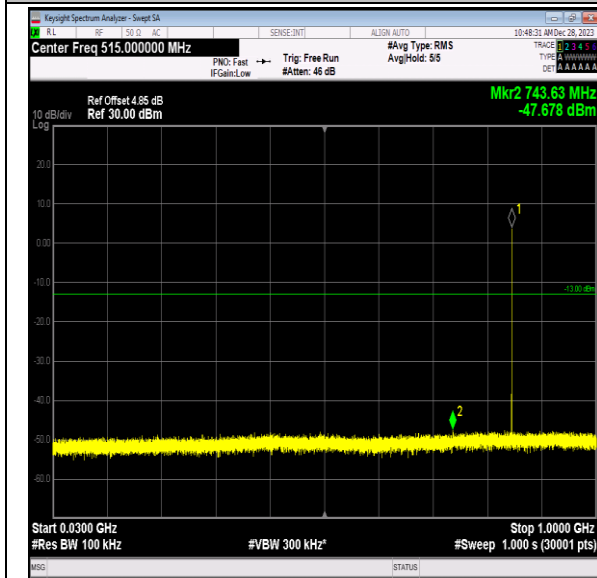
GPRS850-190-5-1000~10000MHz-PASS



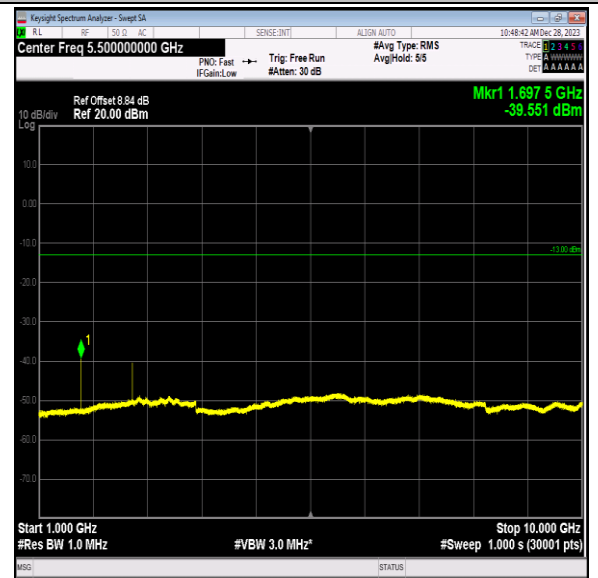
GPRS850-251-5-0.009~0.15MHz-PASS



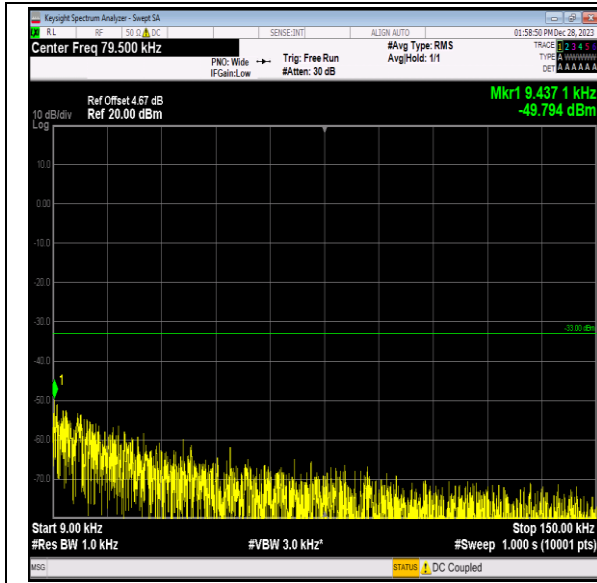
GPRS850-251-5-0.15~30MHz-PASS



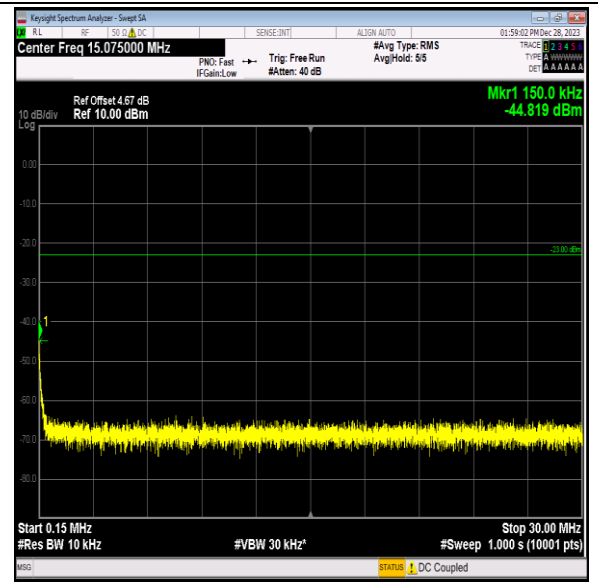
GPRS850-251-5-30~1000MHz-PASS



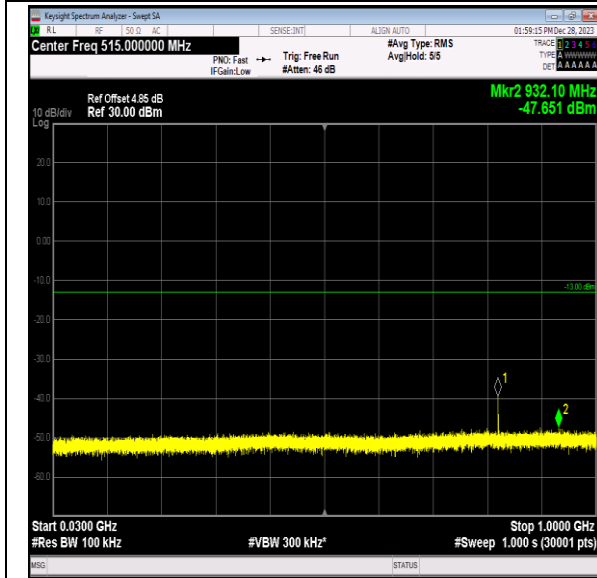
GPRS850-251-5-1000~10000MHz-PASS



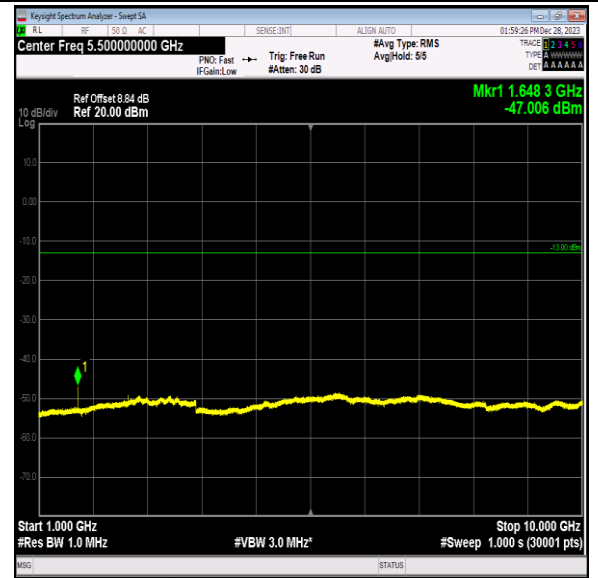
EGPRS850-128-8-0.009~0.15MHz-PASS



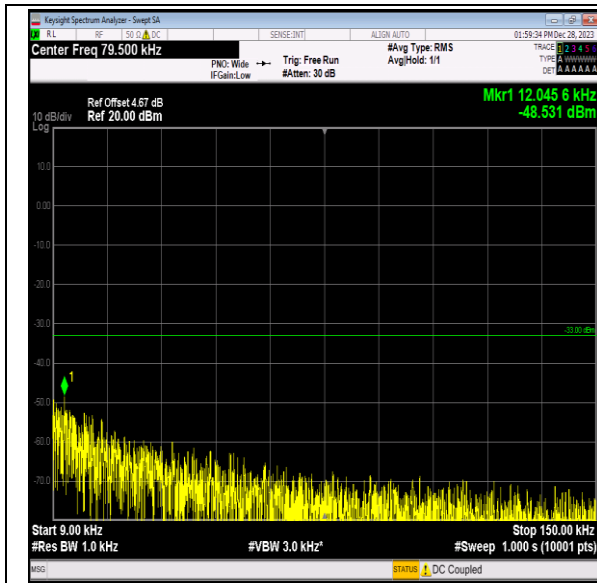
EGPRS850-128-8-0.15~30MHz-PASS



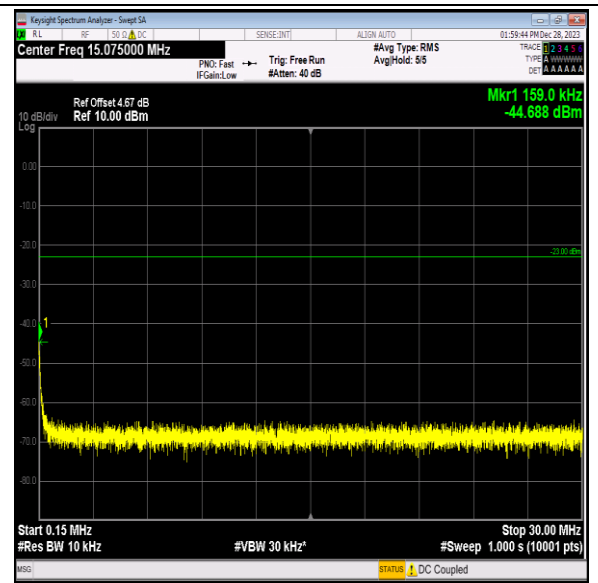
EGPRS850-128-8-30~1000MHz-PASS



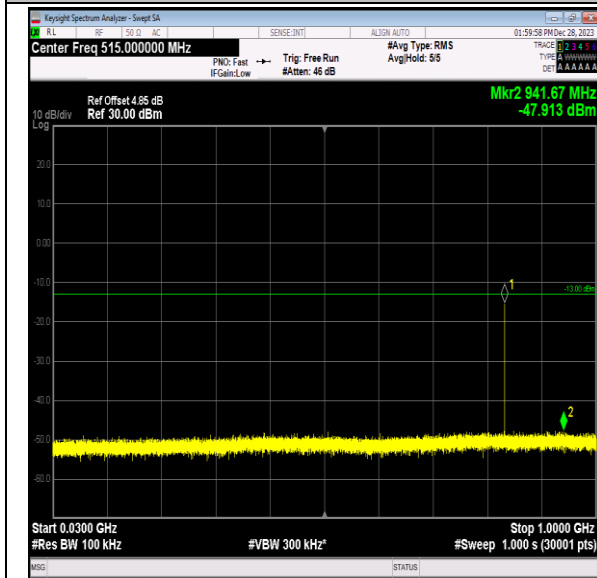
EGPRS850-128-8-1000~10000MHz-PASS



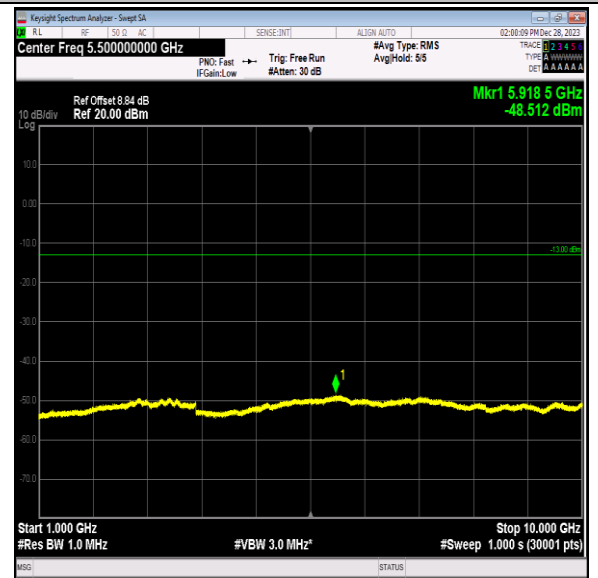
EGPRS850-190-8-0.009~0.15MHz-PASS



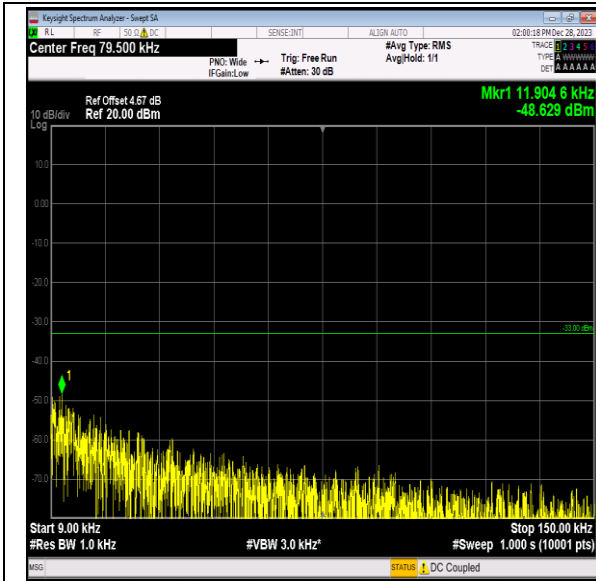
EGPRS850-190-8-0.15~30MHz-PASS



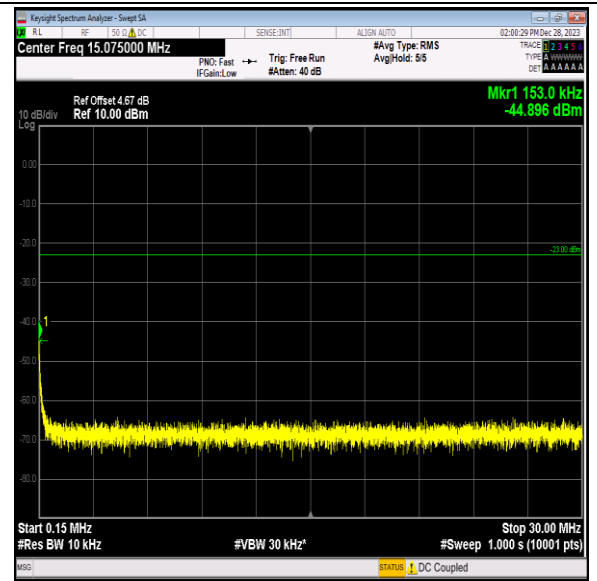
EGPRS850-190-8-30~1000MHz-PASS



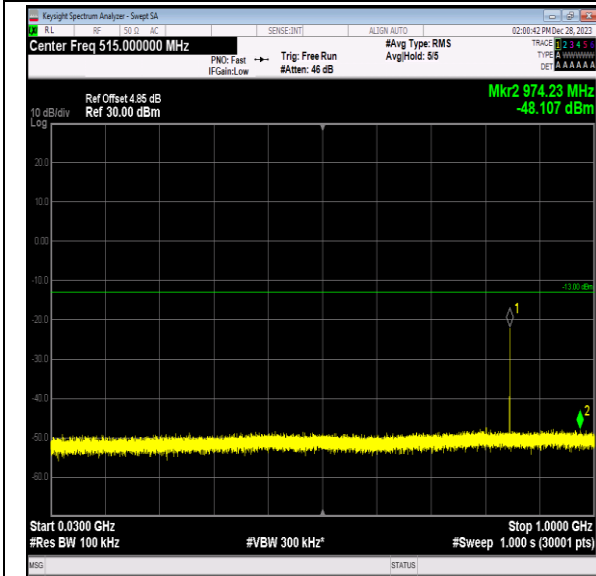
EGPRS850-190-8-1000~10000MHz-PASS



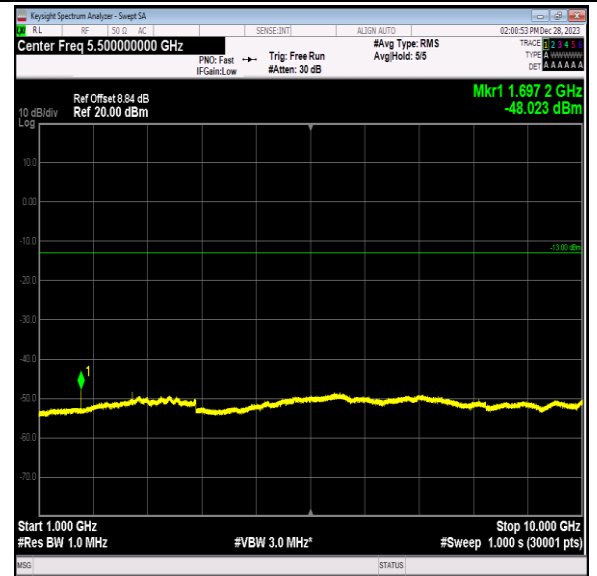
EGPRS850-251-8-0.009~0.15MHz-PASS



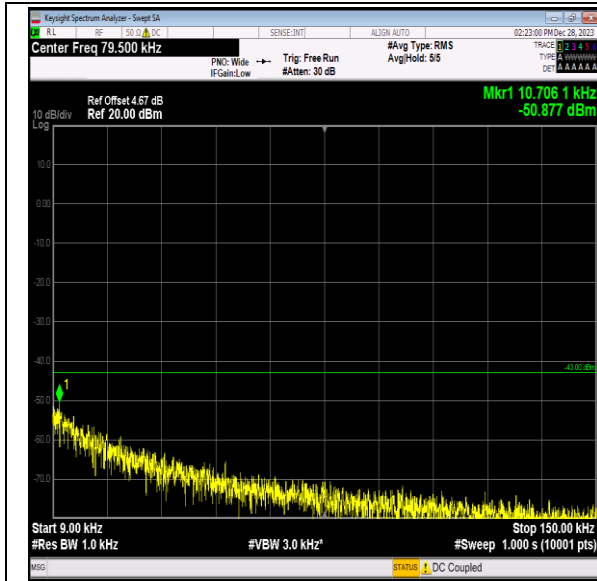
EGPRS850-251-8-0.15~30MHz-PASS



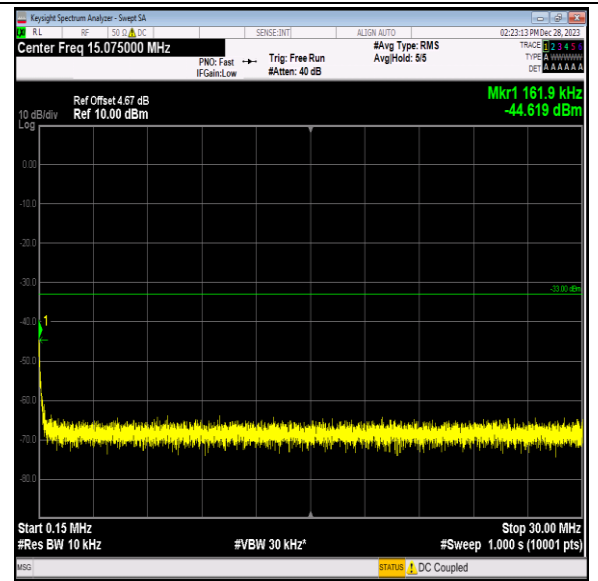
EGPRS850-251-8-30~1000MHz-PASS



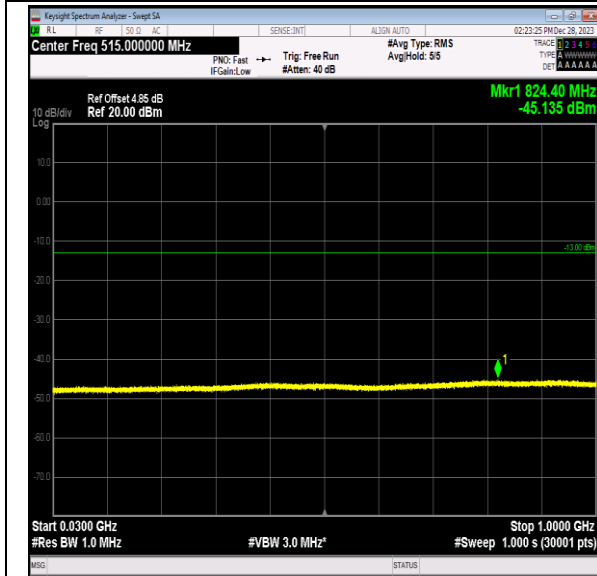
EGPRS850-251-8-1000~10000MHz-PASS



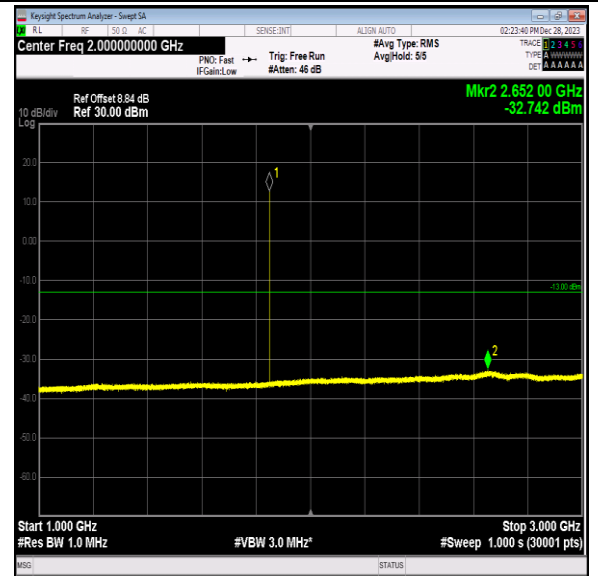
GSM1900-512-0-0.009~0.15MHz-PASS



GSM1900-512-0-0.15~30MHz-PASS



GSM1900-512-0-30~1000MHz-PASS



GSM1900-512-0-1000~3000MHz-PASS