

APPENDIX RF TEST DATA

APPENDIX A: GSM

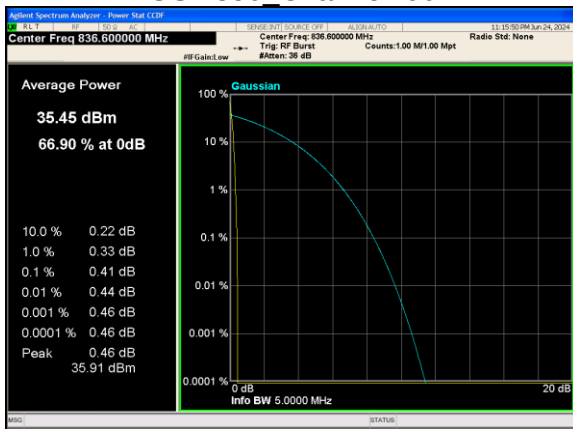
APPENDIX A1: PEAK TO AVERAGE RATIO

GSM 850

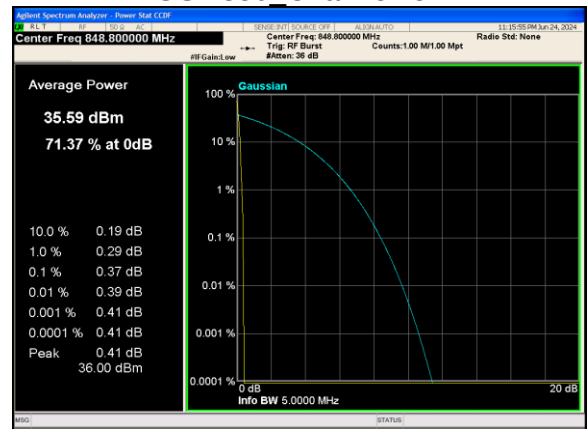
Band	Channel	Freq (MHz)	Slots	Result (dB)	Limit (dB)	Verdict
GSM 850	190	836.6	1 Tx	0.41	13	PASS
GSM 850	251	848.8	1 Tx	0.37	13	PASS
GSM 850	128	824.2	1 Tx	0.44	13	PASS
GPRS 850	190	836.6	1 Tx	0.41	13	PASS
GPRS 850	251	848.8	1 Tx	0.37	13	PASS
GPRS 850	128	824.2	1 Tx	0.44	13	PASS
EGPRS 850	190	836.6	1 Tx	6.83	13	PASS
EGPRS 850	251	848.8	1 Tx	6.88	13	PASS
EGPRS 850	128	824.2	1 Tx	6.80	13	PASS

Test Graphs

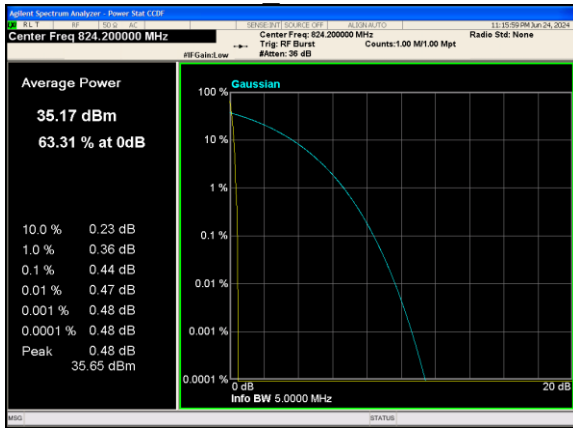
GSM850_Channel190



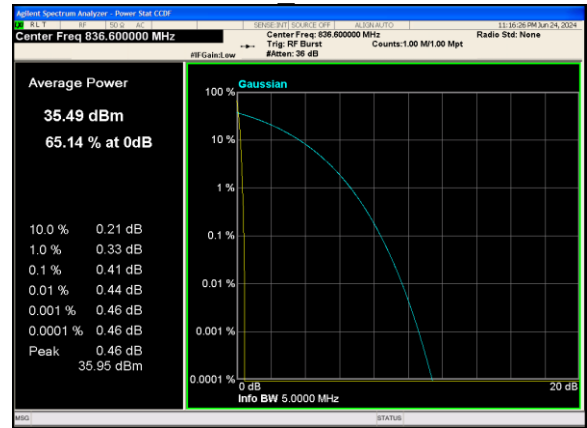
GSM850_Channel251



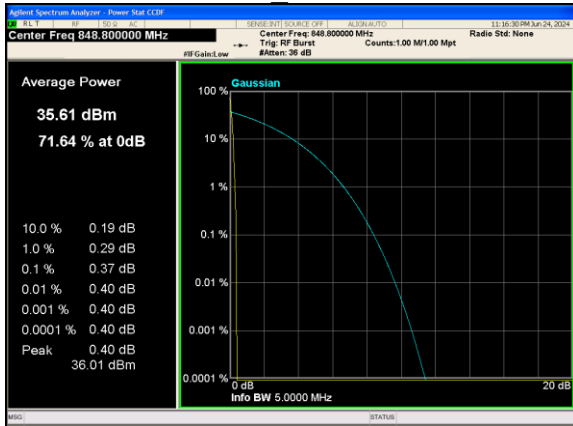
GSM850_Channel128



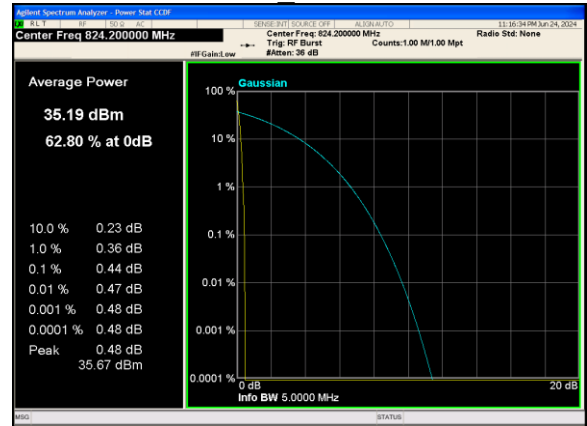
GPRS850_Channel190



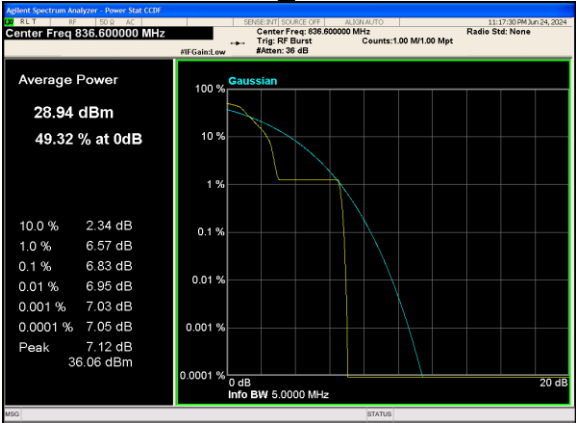
GPRS850_Channel251



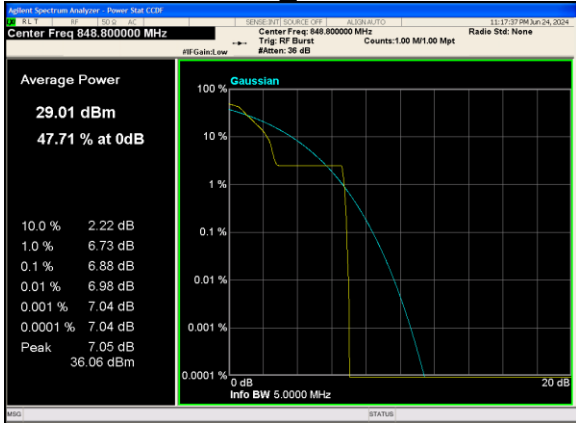
GPRS850_Channel128



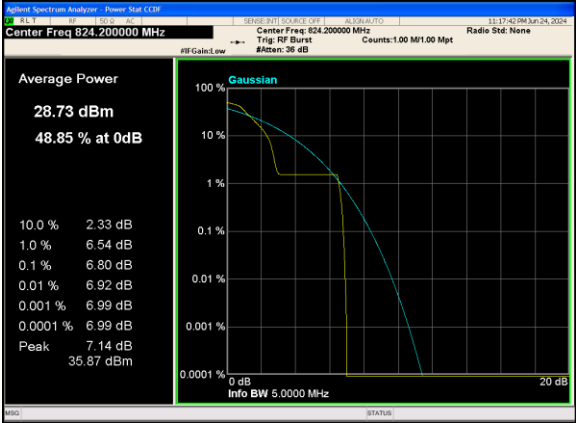
EGPRS850 Channel190



EGPRS850 Channel251



EGPRS850 Channel128

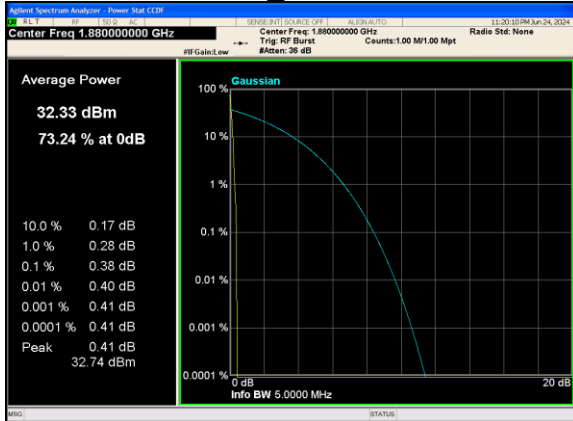


PCS 1900

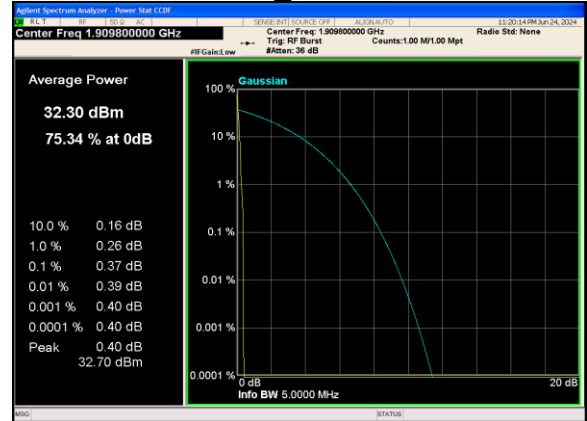
Band	Channel	Freq (MHz)	Slots	Result (dB)	Limit (dB)	Verdict
PCS 1900	661	1880.0	1 Tx	0.38	13	PASS
PCS 1900	810	1909.8	1 Tx	0.37	13	PASS
PCS 1900	512	1850.2	1 Tx	0.38	13	PASS
GPRS 1900	661	1880.0	1 Tx	0.37	13	PASS
GPRS 1900	810	1909.8	1 Tx	0.37	13	PASS
GPRS 1900	512	1850.2	1 Tx	0.38	13	PASS
EGPRS 1900	661	1880.0	1 Tx	3.78	13	PASS
EGPRS 1900	810	1909.8	1 Tx	4.00	13	PASS
EGPRS 1900	512	1850.2	1 Tx	4.17	13	PASS

Test Graphs

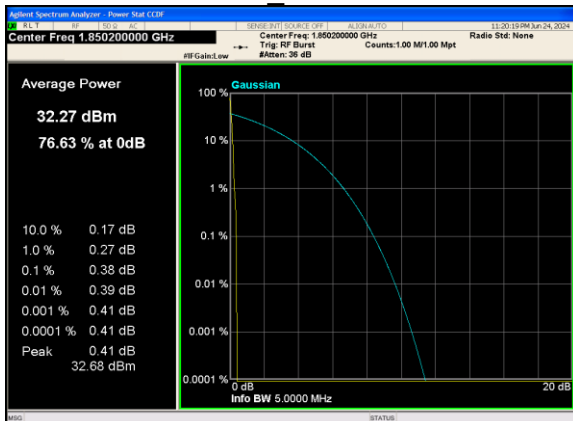
PCS1900 Channel661



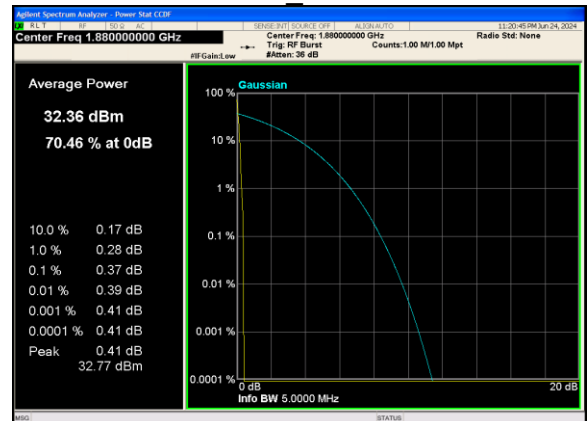
PCS1900 Channel810



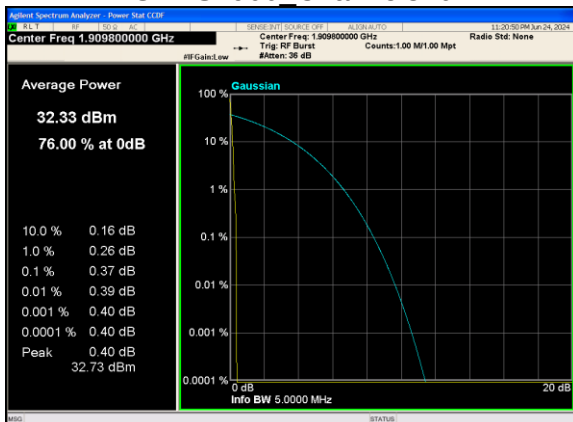
PCS1900 Channel512



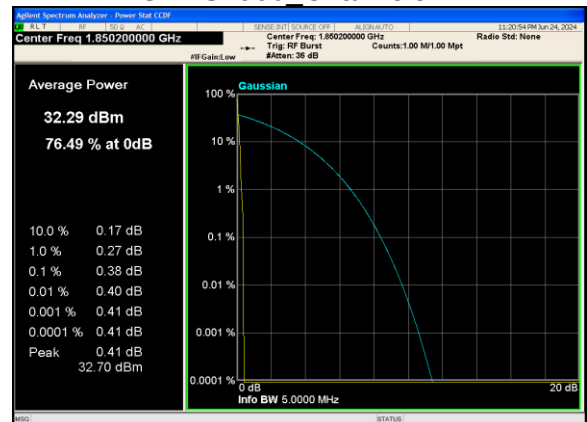
GPRS1900 Channel661



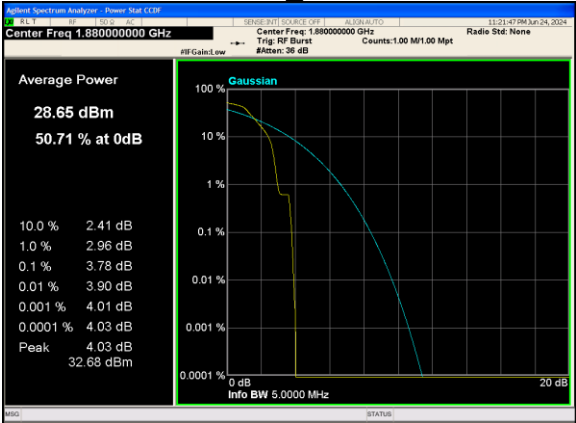
GPRS1900 Channel810



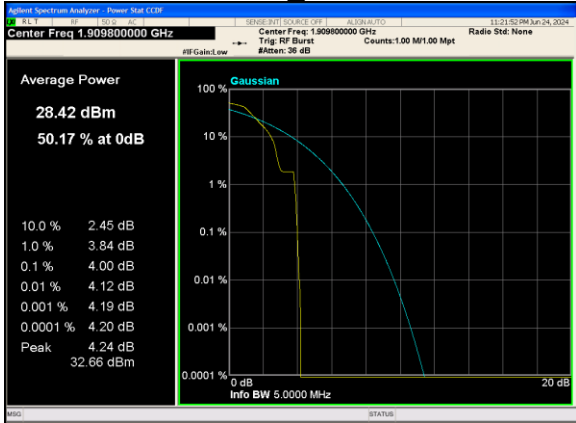
GPRS1900 Channel512



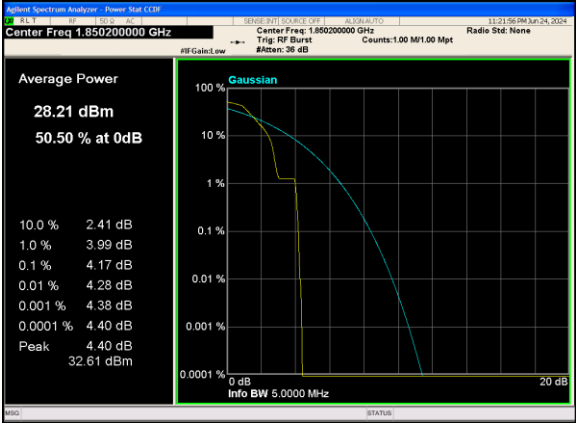
EGPRS1900 Channel661



EGPRS1900 Channel810



EGPRS1900 Channel512

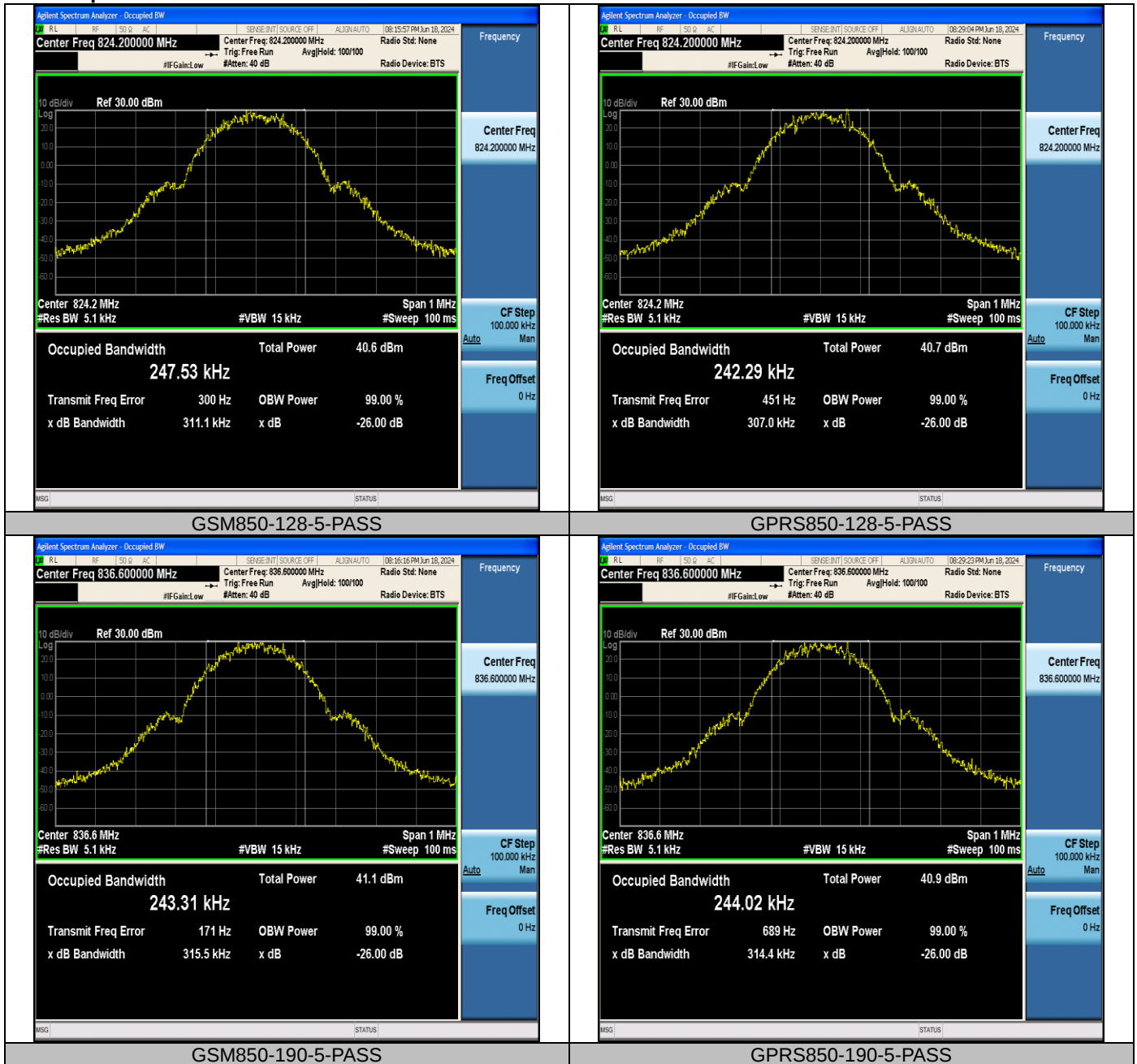


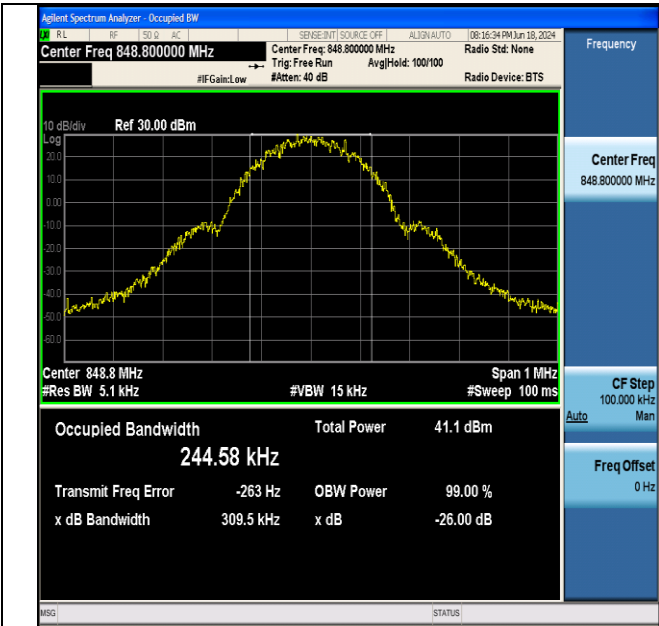
APPENDIX A2: 26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

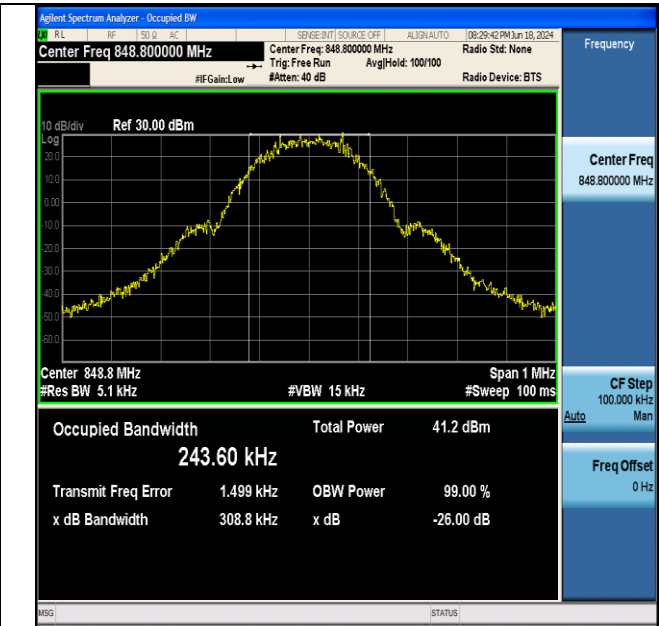
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.24753	0.3111	---	PASS
GPRS850	128	0.24229	0.3070	---	PASS
GSM850	190	0.24331	0.3155	---	PASS
GPRS850	190	0.24402	0.3144	---	PASS
GSM850	251	0.24458	0.3095	---	PASS
GPRS850	251	0.24360	0.3088	---	PASS
EGPRS850	128	0.24738	0.3048	---	PASS
EGPRS850	190	0.24480	0.3021	---	PASS
EGPRS850	251	0.24371	0.3010	---	PASS
GSM1900	512	0.24196	0.3135	---	PASS
GPRS1900	512	0.24229	0.3079	---	PASS
GSM1900	661	0.24285	0.3143	---	PASS
GPRS1900	661	0.24350	0.3169	---	PASS
GSM1900	810	0.24584	0.3085	---	PASS
GPRS1900	810	0.24365	0.3117	---	PASS
EGPRS1900	512	0.24686	0.3110	---	PASS
EGPRS1900	661	0.24565	0.3143	---	PASS
EGPRS1900	810	0.24892	0.3036	---	PASS

Test Graphs

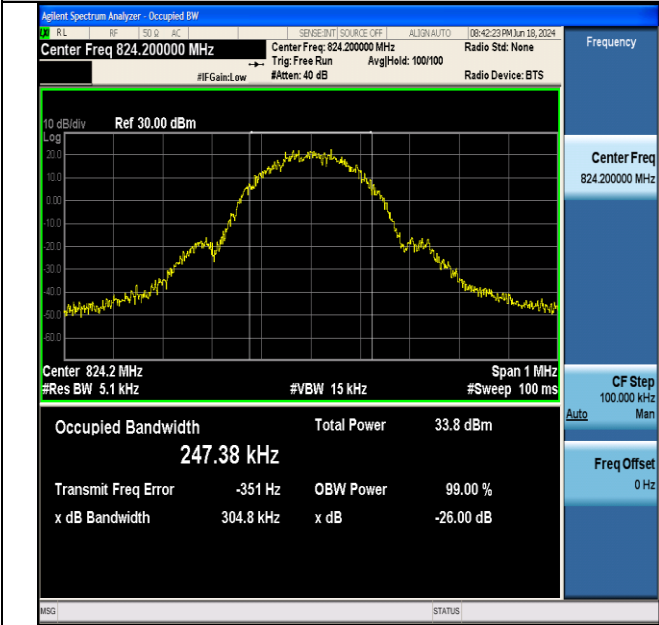




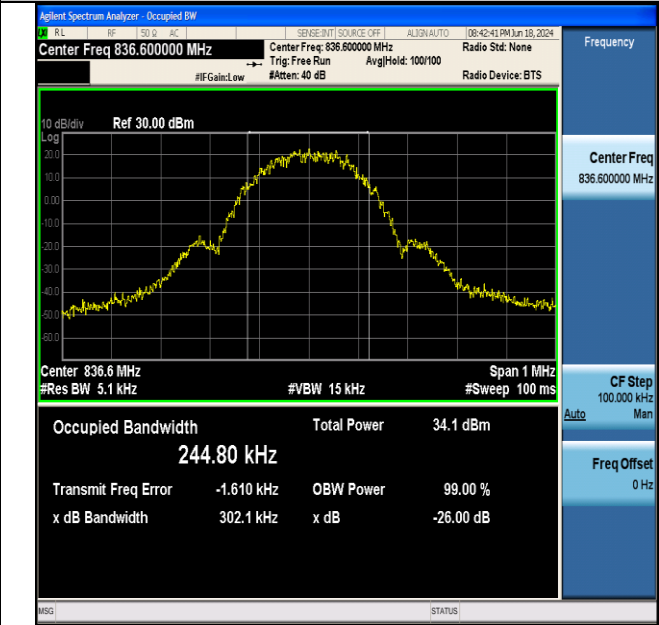
GSM850-251-5-PASS



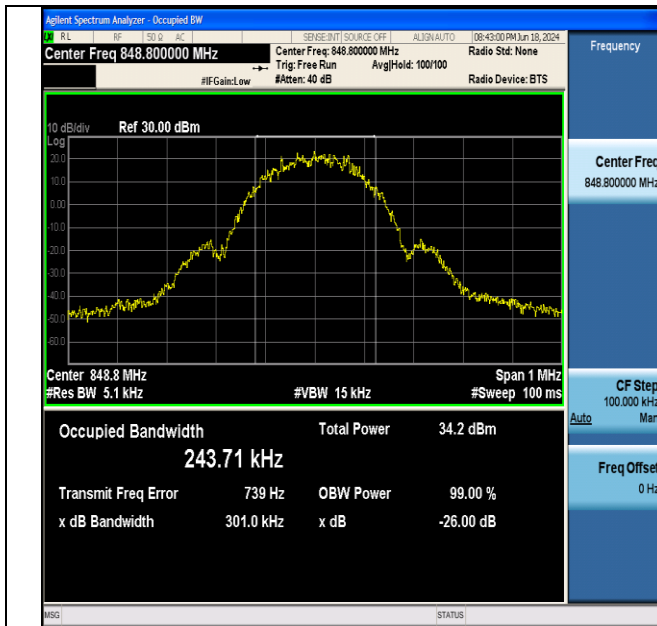
GPRS850-251-5-PASS



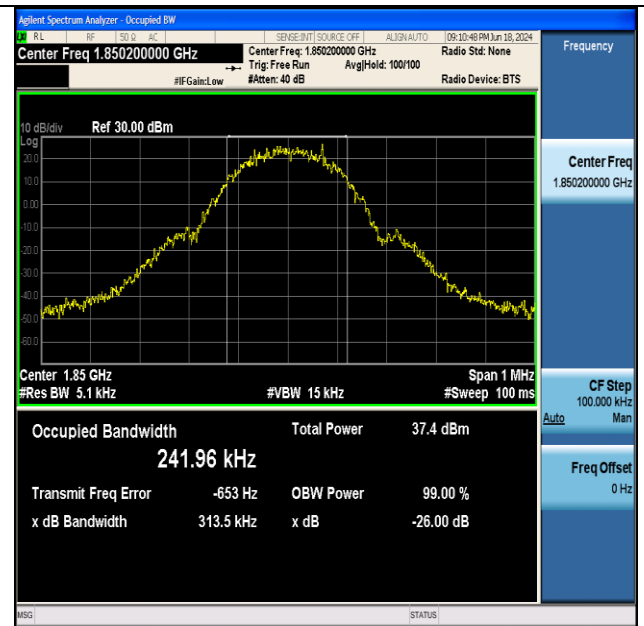
EGPRS850-128-8-PASS



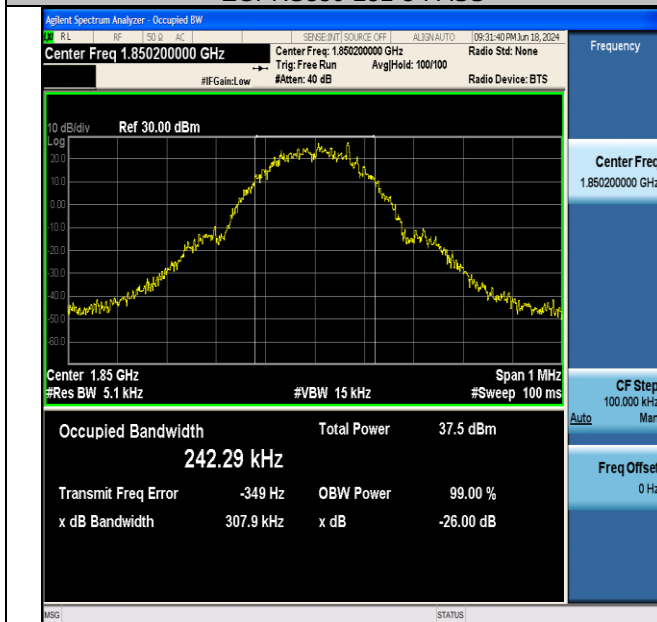
EGPRS850-190-8-PASS



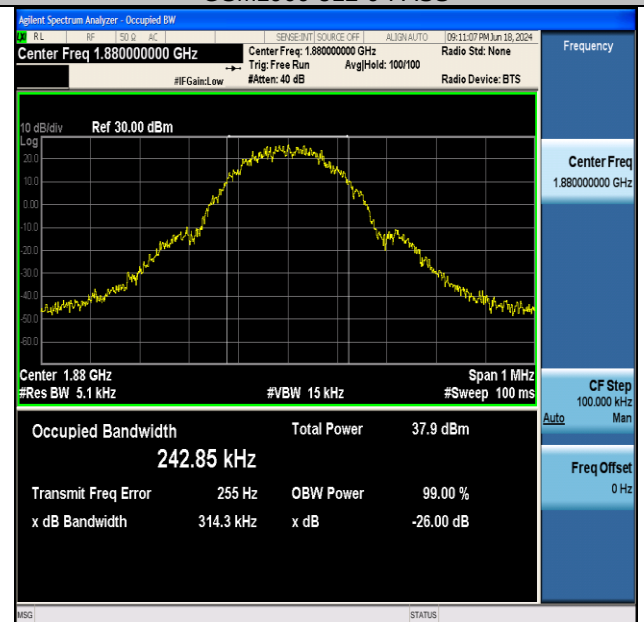
EGPRS850-251-8-PASS



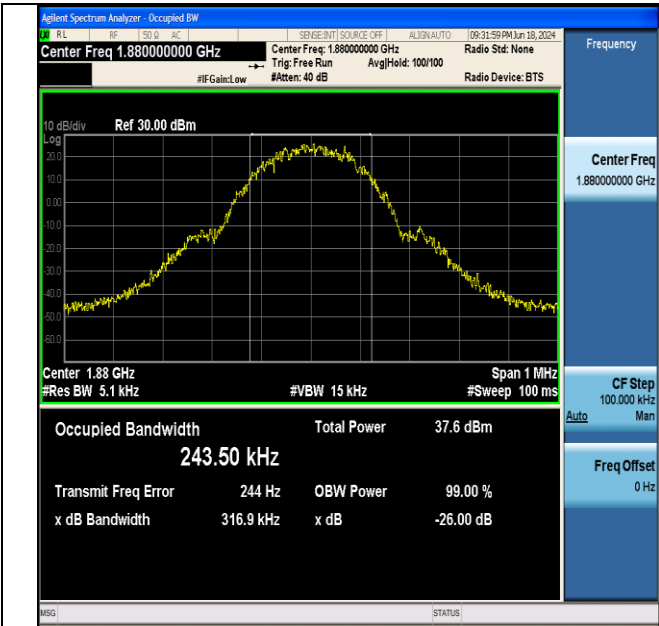
GSM1900-512-0-PASS



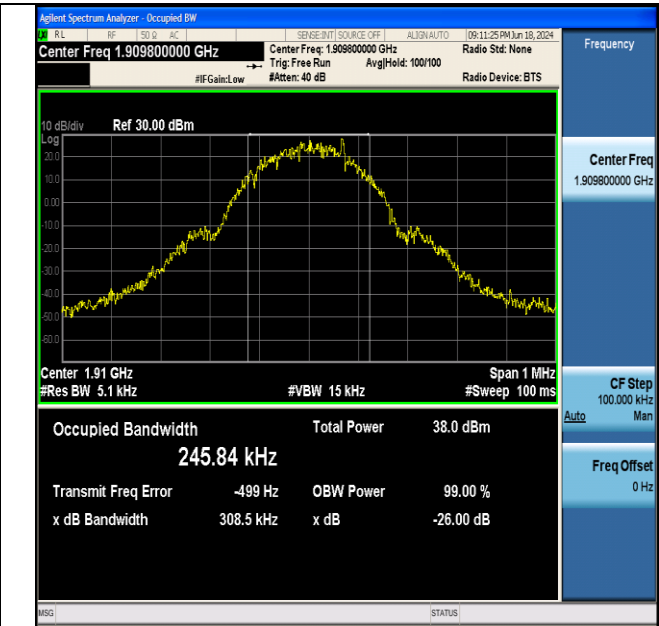
GPRS1900-512-0-PASS



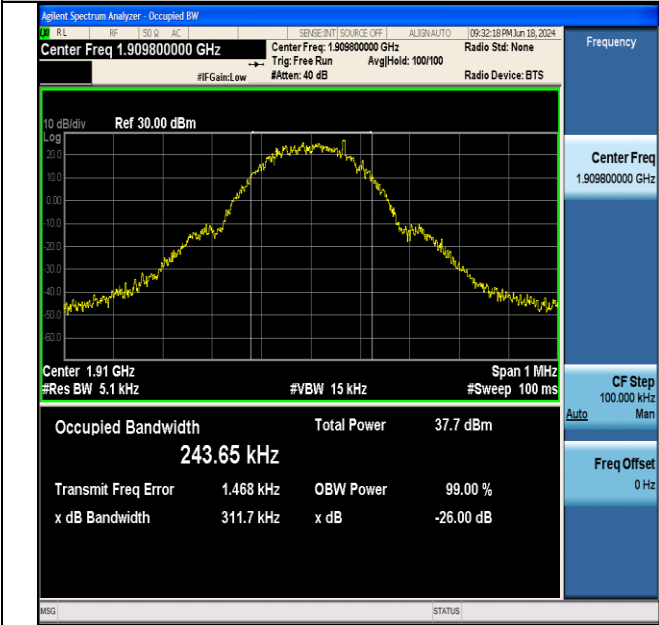
GSM1900-661-0-PASS



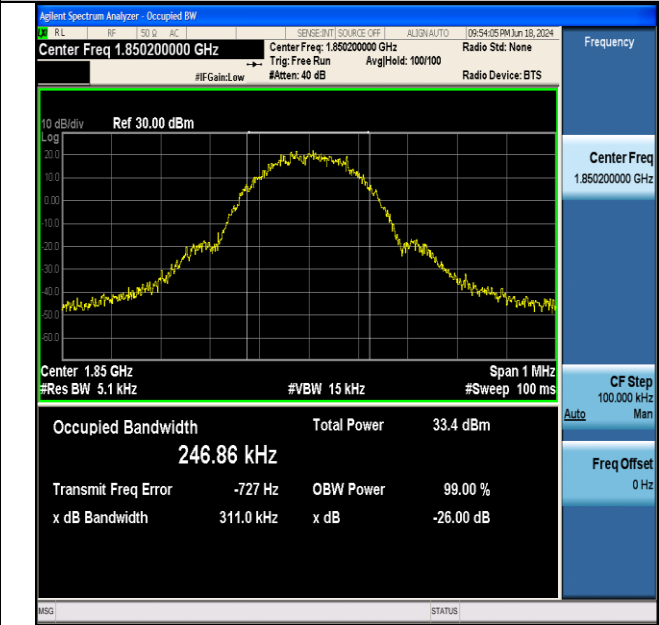
GPRS1900-661-0-PASS



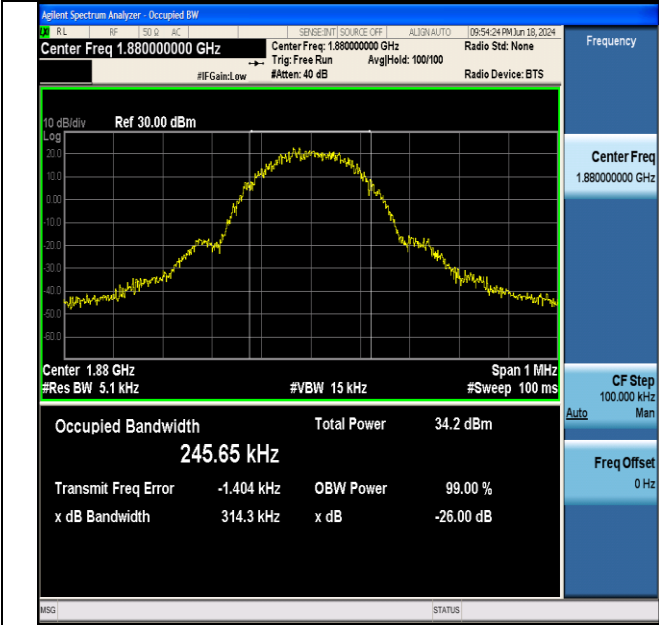
GSM1900-810-0-PASS



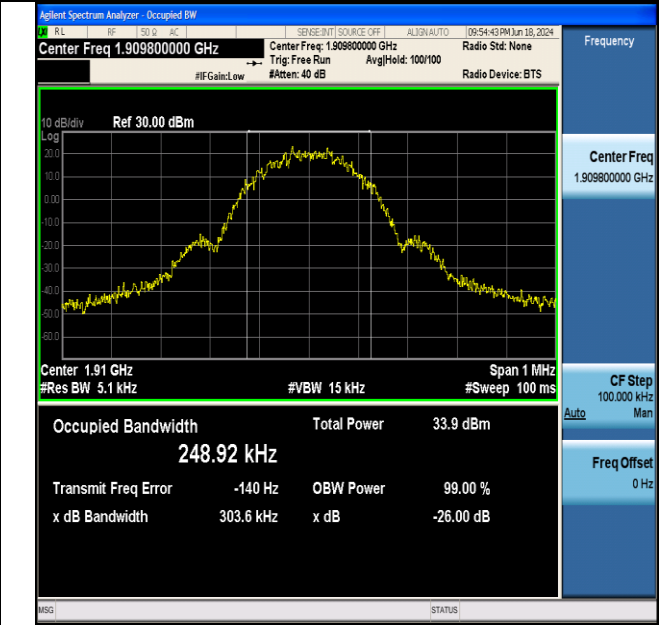
GPRS1900-810-0-PASS



EGPRS1900-512-2-PASS



EGPRS1900-661-2-PASS



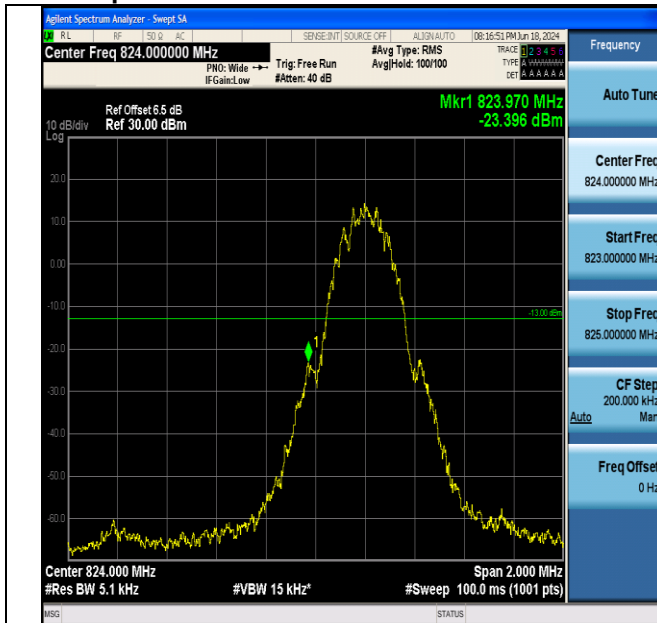
EGPRS1900-810-2-PASS

APPENDIX A3: BAND EDGE

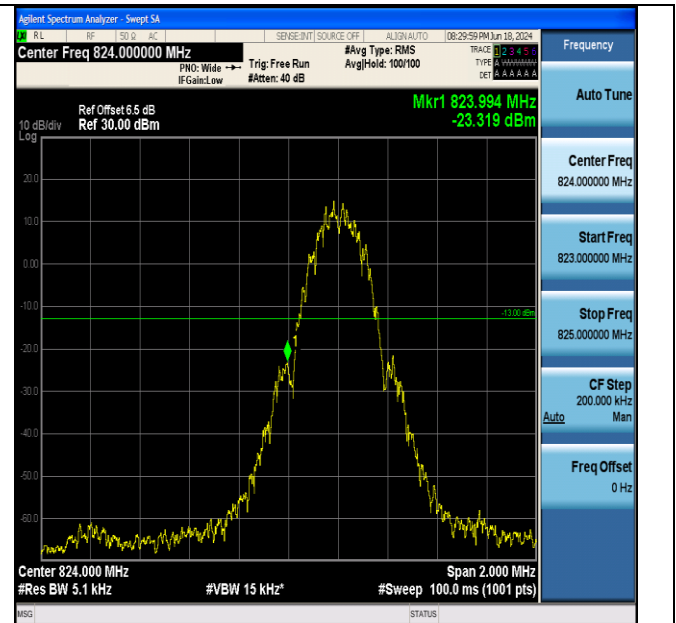
Test Result

Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	823.97	-23.40	-13	PASS
GPRS850	128	823.99	-23.32	-13	PASS
GSM850	251	849.02	-23.25	-13	PASS
GPRS850	251	849.02	-21.28	-13	PASS
EGPRS850	128	823.98	-31.82	-13	PASS
EGPRS850	251	849.04	-32.01	-13	PASS
GSM1900	512	1849.99	-26.76	-13	PASS
GPRS1900	512	1849.98	-25.40	-13	PASS
GSM1900	810	1910.02	-26.76	-13	PASS
GPRS1900	810	1910.02	-26.03	-13	PASS
EGPRS1900	512	1849.97	-31.95	-13	PASS
EGPRS1900	810	1910.01	-31.48	-13	PASS

Test Graphs



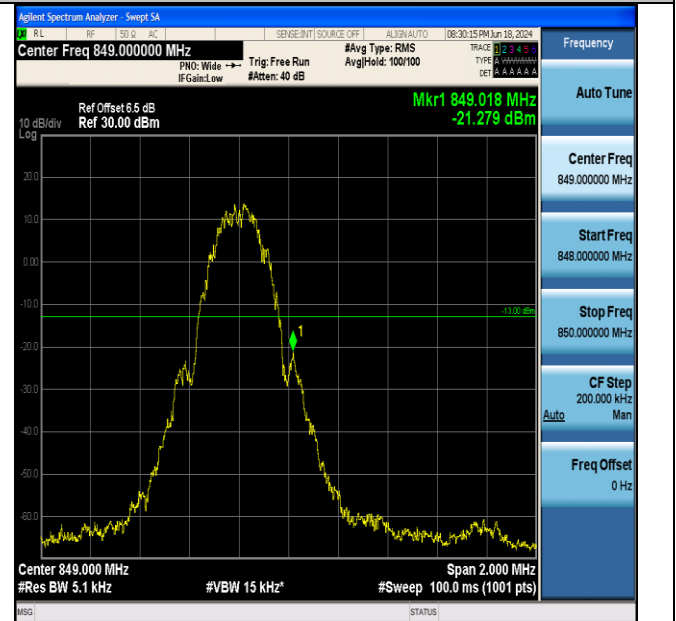
GSM850-128-5-PASS



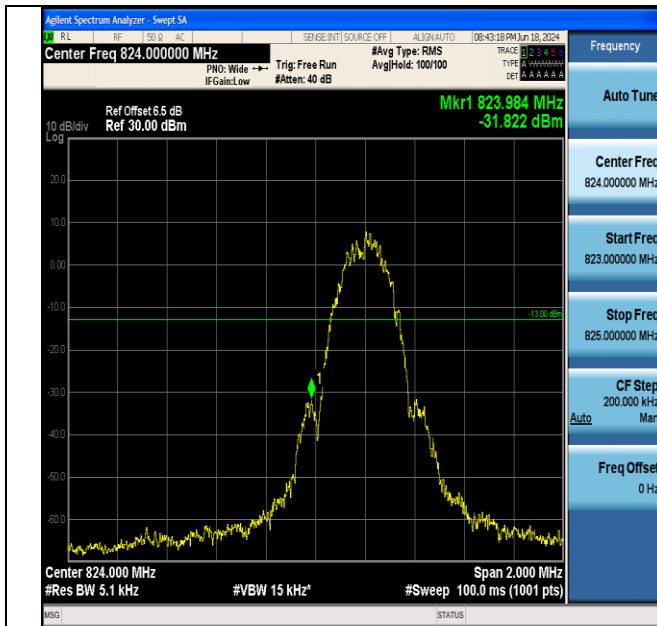
GPRS850-128-5-PASS



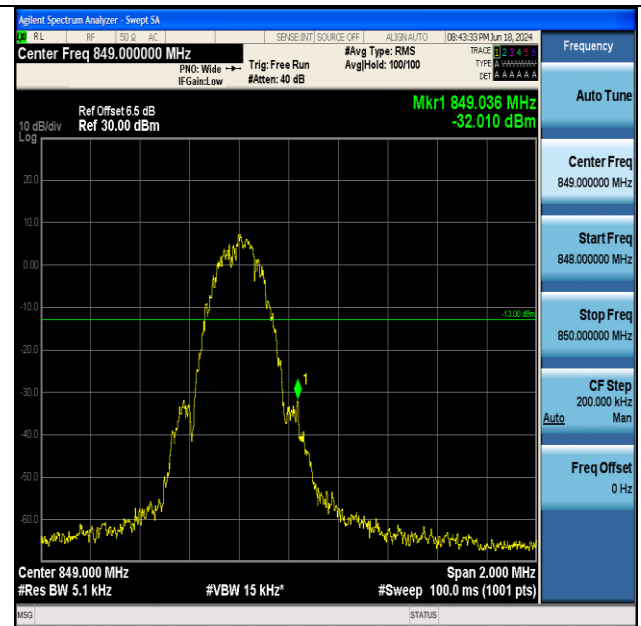
GSM850-251-5-PASS



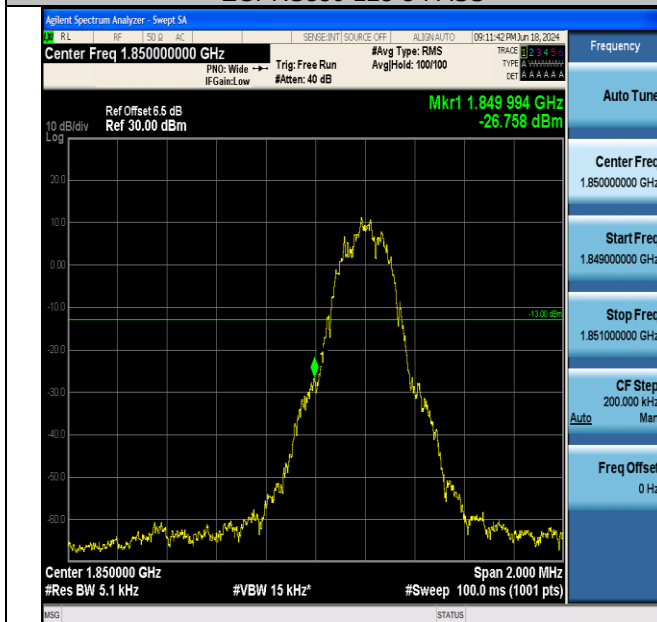
GPRS850-251-5-PASS



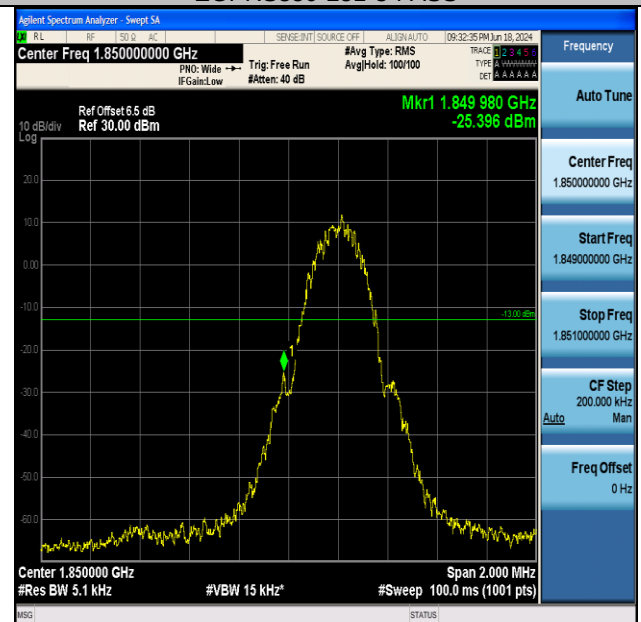
EGPRS850-128-8-PASS



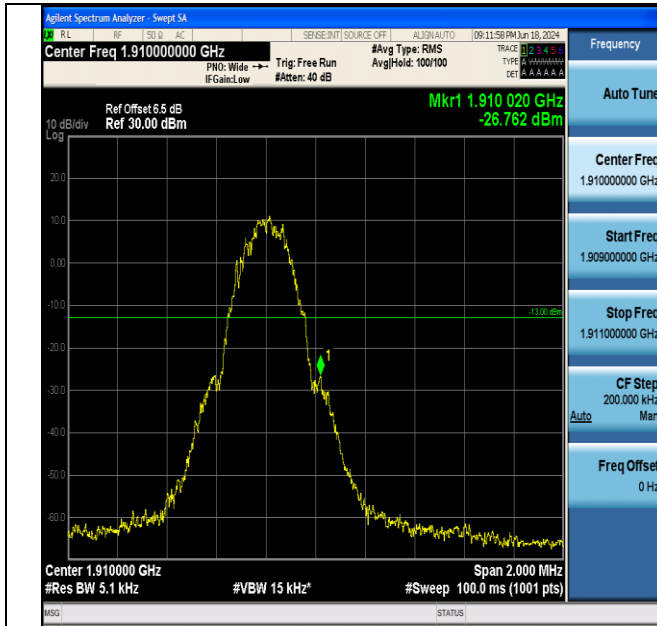
EGPRS850-251-8-PASS



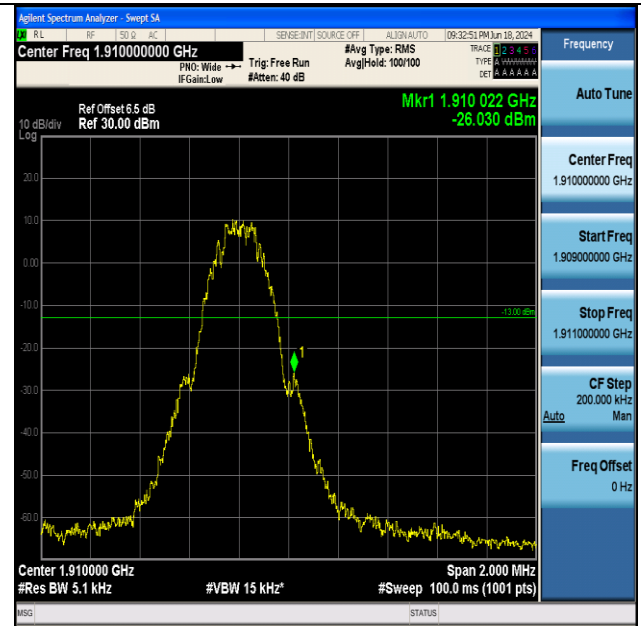
GSM1900-512-0-PASS



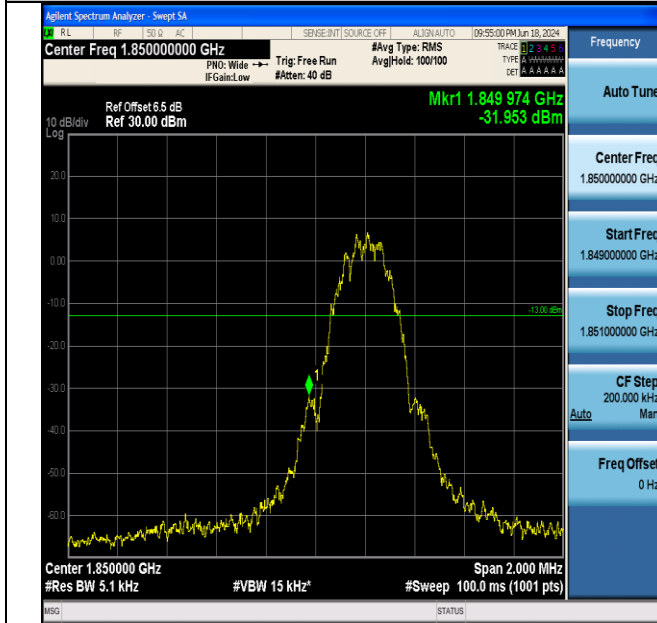
GPRS1900-512-0-PASS



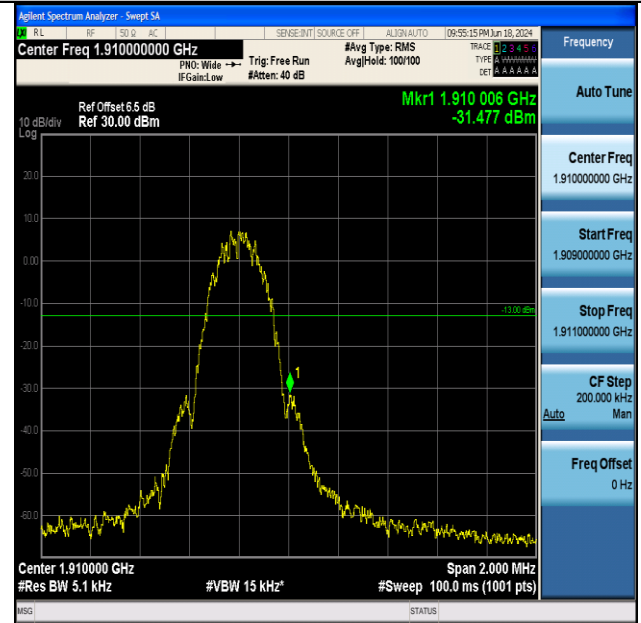
GSM1900-810-0-PASS



GPRS1900-810-0-PASS



EGPRS1900-512-2-PASS



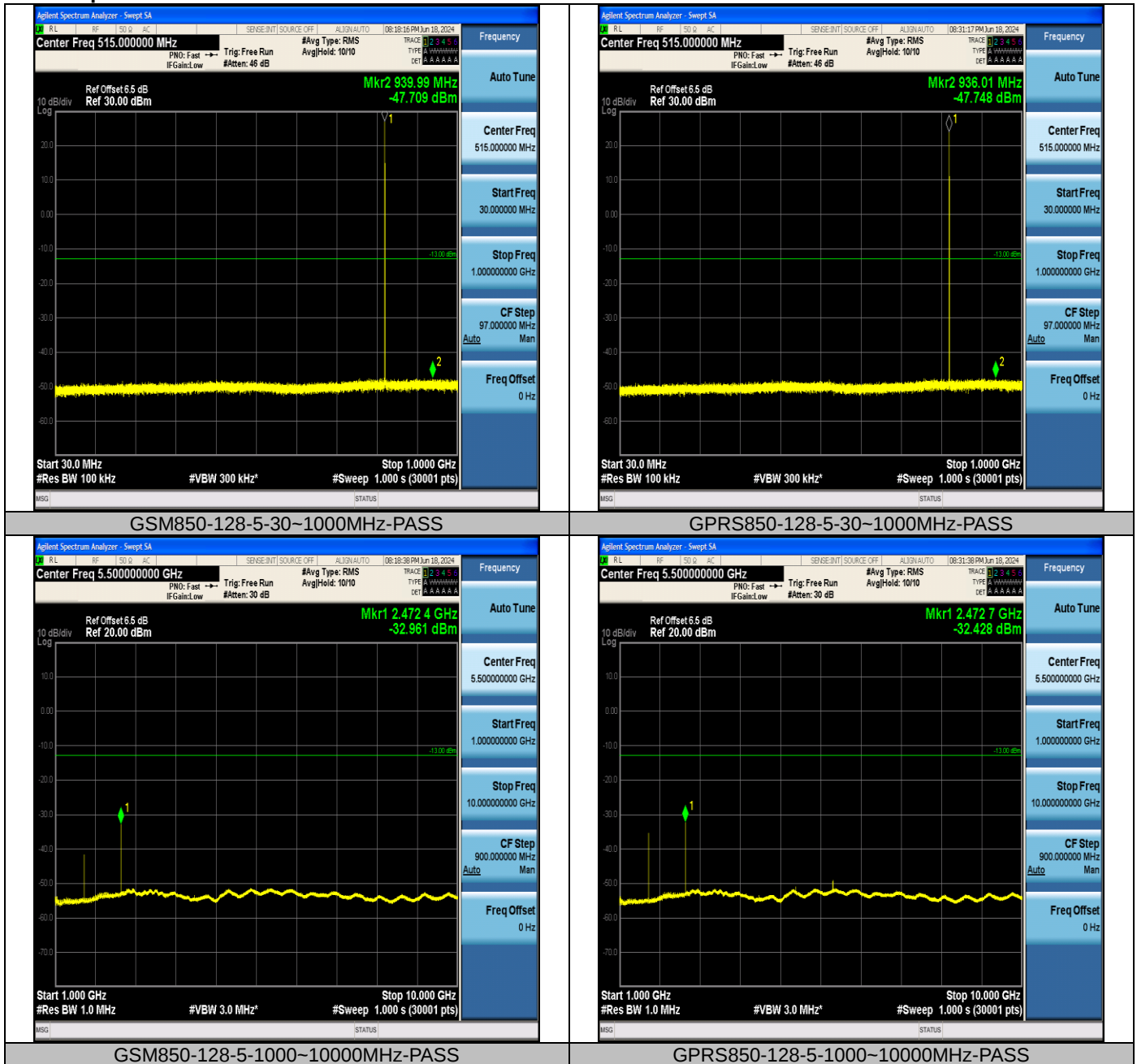
EGPRS1900-810-2-PASS

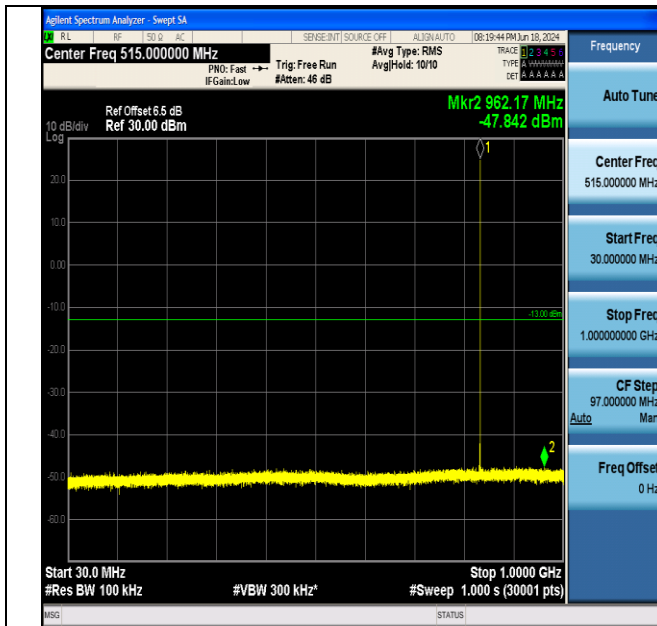
APPENDIX A4: CONDUCTED SPURIOUS EMISSION

Test Result

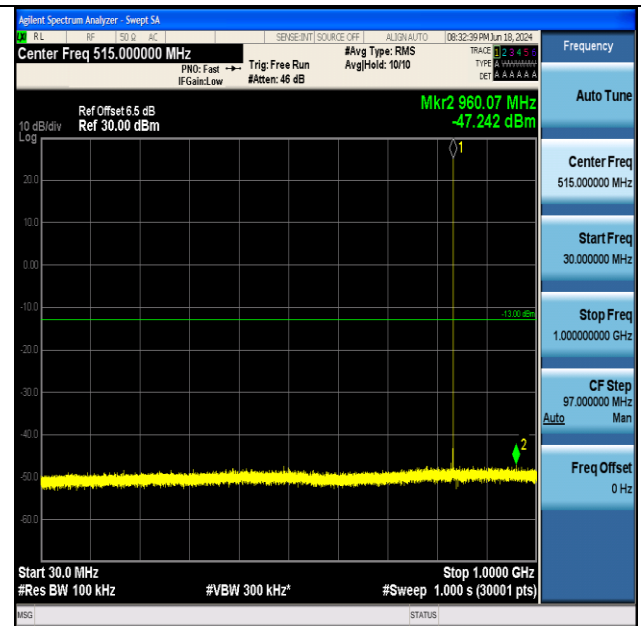
Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM850	128	30~1000MHz	939.99	-47.71	-13	PASS
GPRS850	128	30~1000MHz	936.01	-47.75	-13	PASS
GSM850	128	1000~10000MHz	2472.4	-32.96	-13	PASS
GPRS850	128	1000~10000MHz	2472.7	-32.43	-13	PASS
GSM850	190	30~1000MHz	962.17	-47.84	-13	PASS
GPRS850	190	30~1000MHz	960.07	-47.24	-13	PASS
GSM850	190	1000~10000MHz	5856.7	-50.75	-13	PASS
GPRS850	190	1000~10000MHz	2509.6	-29.17	-13	PASS
GSM850	251	30~1000MHz	437.63	-47.8	-13	PASS
GPRS850	251	30~1000MHz	997.54	-47.88	-13	PASS
GSM850	251	1000~10000MHz	2546.5	-29.51	-13	PASS
GPRS850	251	1000~10000MHz	1697.5	-33.35	-13	PASS
EGPRS850	128	30~1000MHz	998.55	-47.64	-13	PASS
EGPRS850	128	1000~10000MHz	1648.3	-43.01	-13	PASS
EGPRS850	190	30~1000MHz	942.54	-47.23	-13	PASS
EGPRS850	190	1000~10000MHz	1673.2	-41.14	-13	PASS
EGPRS850	251	30~1000MHz	977.01	-47.86	-13	PASS
EGPRS850	251	1000~10000MHz	2546.2	-44.14	-13	PASS
GSM1900	512	30~1000MHz	891.52	-44.78	-13	PASS
GPRS1900	512	30~1000MHz	917.91	-44.76	-13	PASS
GSM1900	512	1000~3000MHz	2757.27	-35.47	-13	PASS
GPRS1900	512	1000~3000MHz	2750.47	-35.61	-13	PASS
GSM1900	512	3000~18000MHz	16402.5	-47.01	-13	PASS
GPRS1900	512	3000~18000MHz	3700.5	-46.25	-13	PASS
GSM1900	661	30~1000MHz	906.1	-44.72	-13	PASS
GPRS1900	661	30~1000MHz	894.69	-44.78	-13	PASS
GSM1900	661	1000~3000MHz	2745.2	-35.6	-13	PASS
GPRS1900	661	1000~3000MHz	2762.93	-35.99	-13	PASS
GSM1900	661	3000~18000MHz	3760	-45.39	-13	PASS
GPRS1900	661	3000~18000MHz	16374.5	-46.94	-13	PASS
GSM1900	810	30~1000MHz	877.52	-44.74	-13	PASS
GPRS1900	810	30~1000MHz	915.32	-44.71	-13	PASS
GSM1900	810	1000~3000MHz	2742.87	-35.59	-13	PASS
GPRS1900	810	1000~3000MHz	2757.33	-35.94	-13	PASS
GSM1900	810	3000~18000MHz	3819.5	-46.04	-13	PASS
GPRS1900	810	3000~18000MHz	3819.5	-45.99	-13	PASS
EGPRS1900	512	30~1000MHz	950.89	-44.77	-13	PASS
EGPRS1900	512	1000~3000MHz	2632.53	-36.01	-13	PASS
EGPRS1900	512	3000~18000MHz	16354	-47.1	-13	PASS
EGPRS1900	661	30~1000MHz	951.79	-44.68	-13	PASS
EGPRS1900	661	1000~3000MHz	2751.8	-35.92	-13	PASS
EGPRS1900	661	3000~18000MHz	16409	-46.84	-13	PASS
EGPRS1900	810	30~1000MHz	943.45	-44.74	-13	PASS
EGPRS1900	810	1000~3000MHz	2755.33	-36.06	-13	PASS
EGPRS1900	810	3000~18000MHz	16377.5	-46.85	-13	PASS

Test Graphs





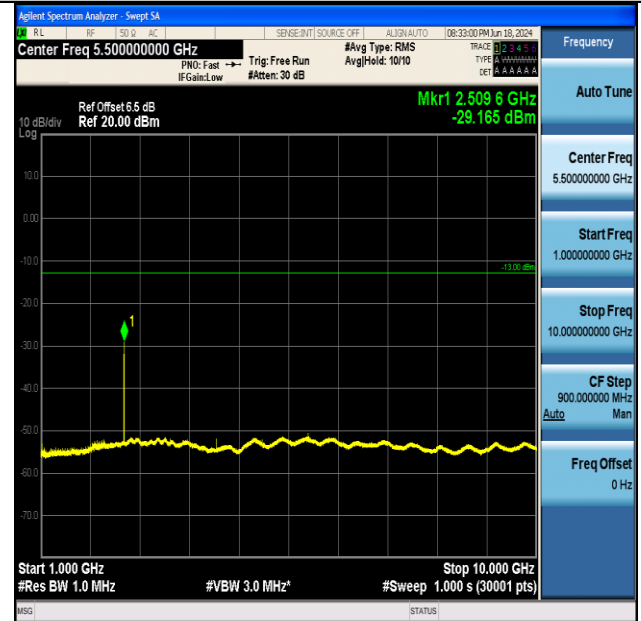
GSM850-190-5-30~1000MHz-PASS



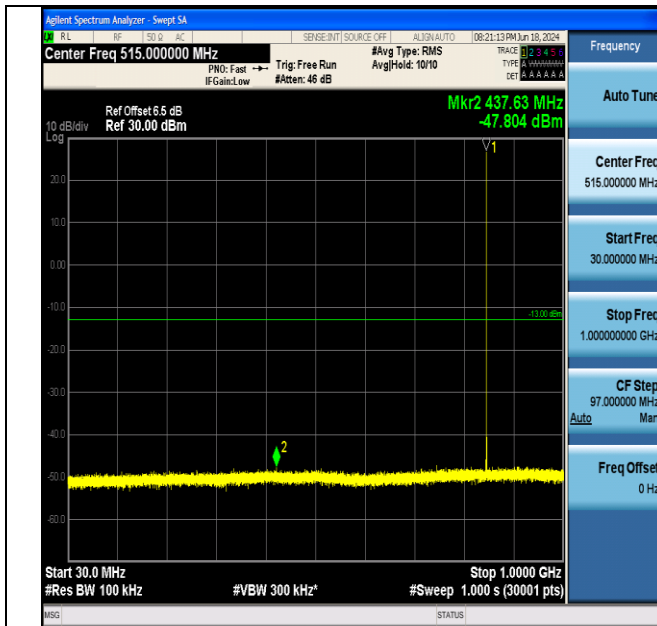
GPRS850-190-5-30~1000MHz-PASS



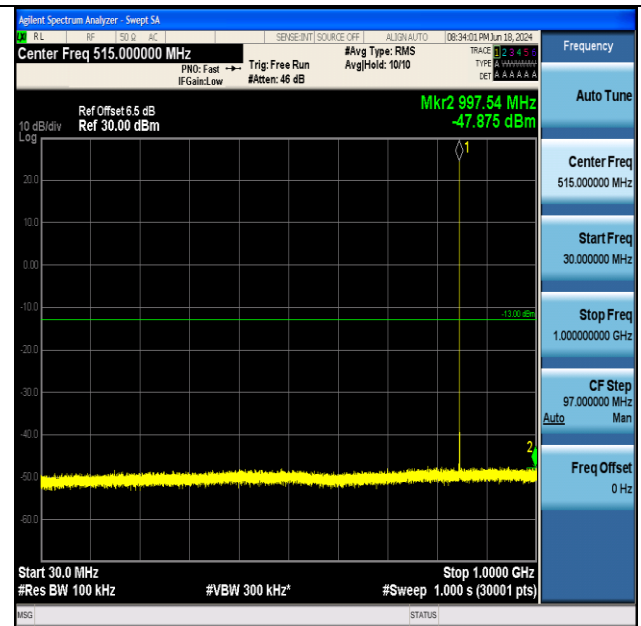
GSM850-190-5-1000~10000MHz-PASS



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



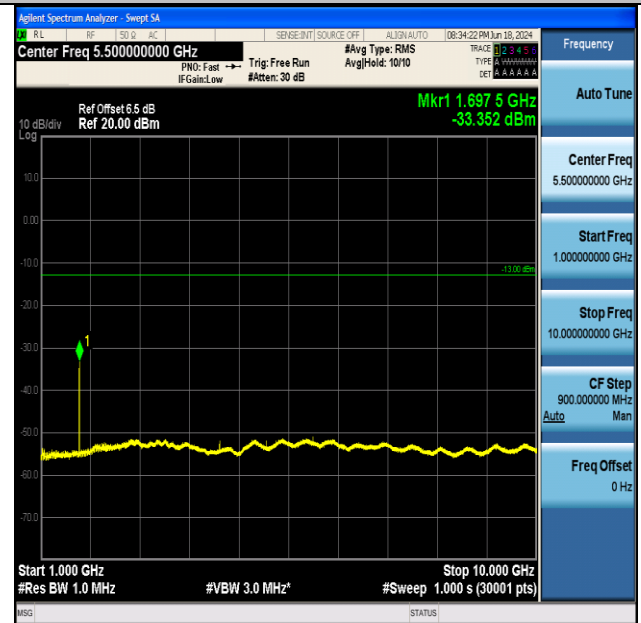
GSM850-251-5-30~1000MHz-PASS



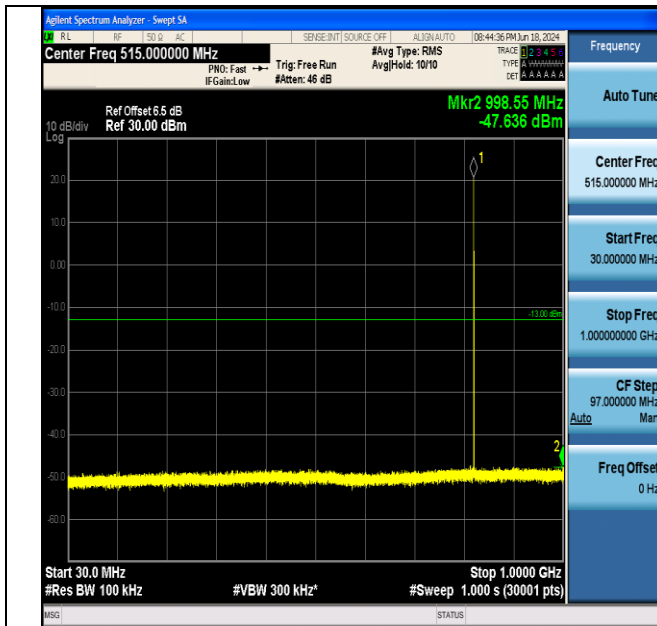
GPRS850-251-5-30~1000MHz-PASS



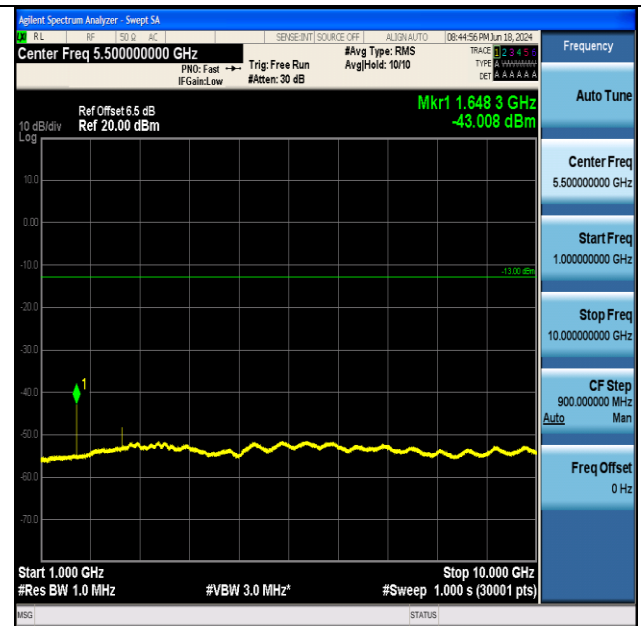
GSM850-251-5-1000~10000MHz-PASS



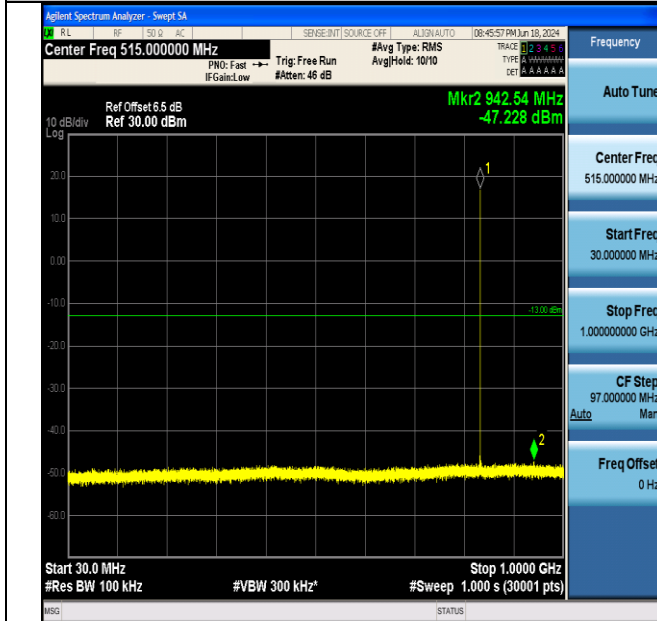
GPRS850-251-5-1000~10000MHz-PASS



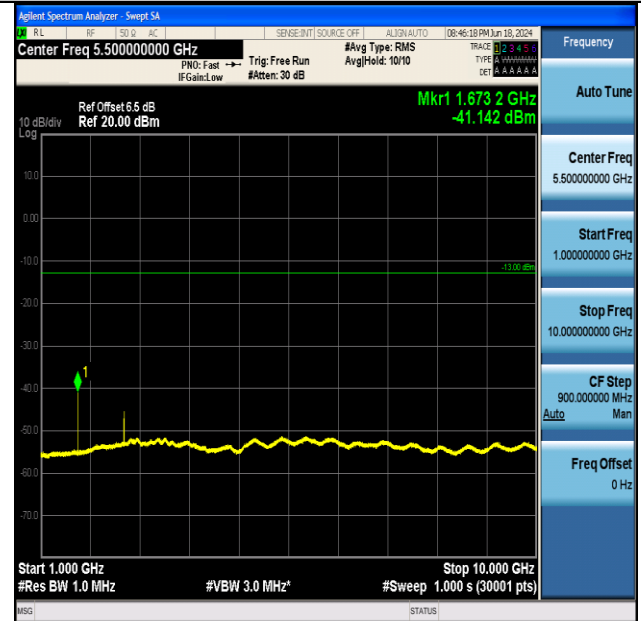
EGPRS850-128-8-30~1000MHz-PASS



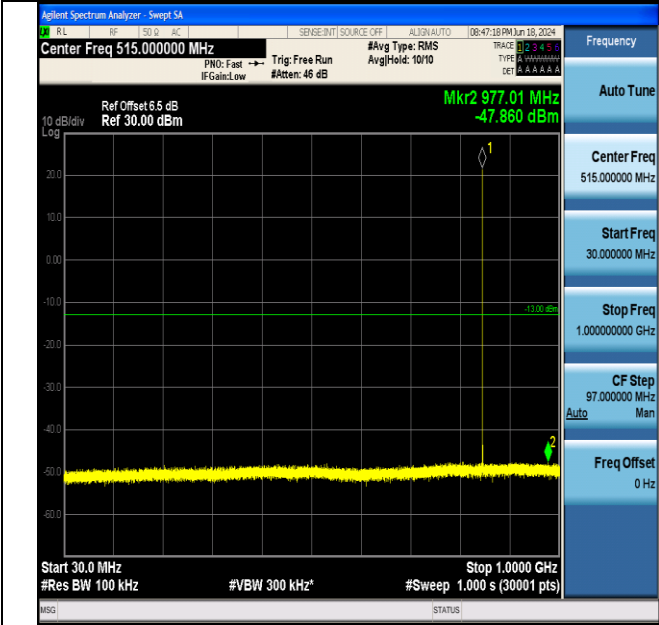
EGPRS850-128-8-1000~10000MHz-PASS



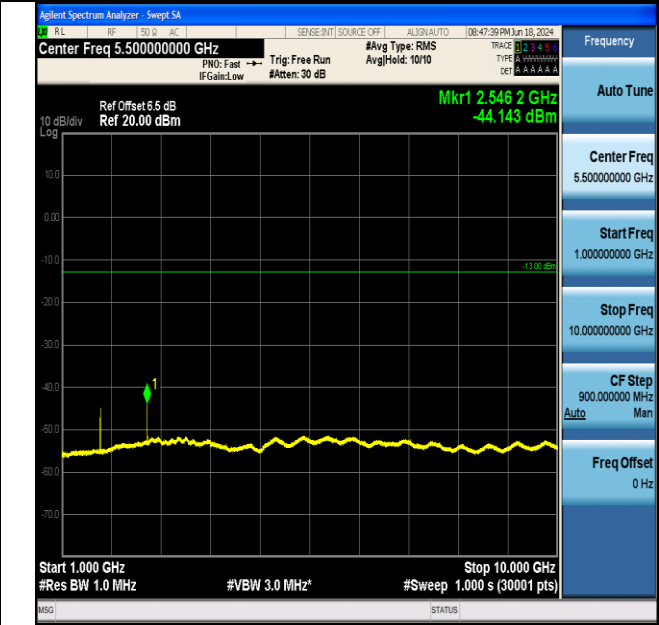
EGPRS850-190-8-30~1000MHz-PASS



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



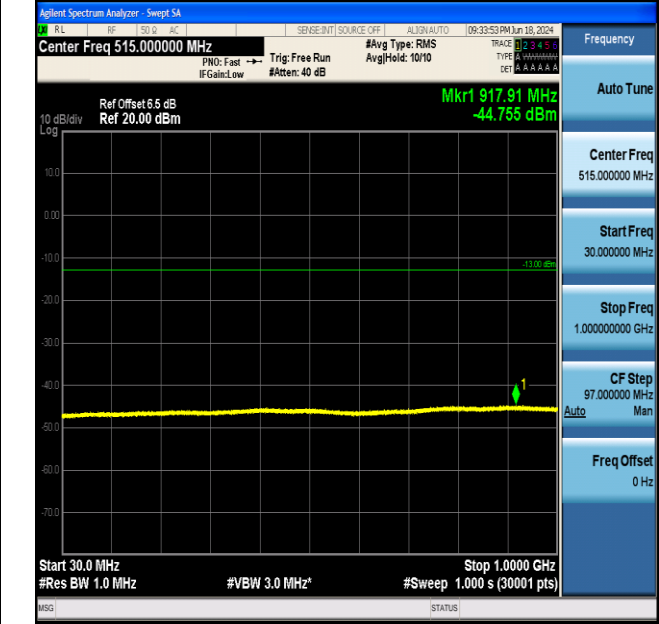
EGPRS850-251-8-30~1000MHz-PASS



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



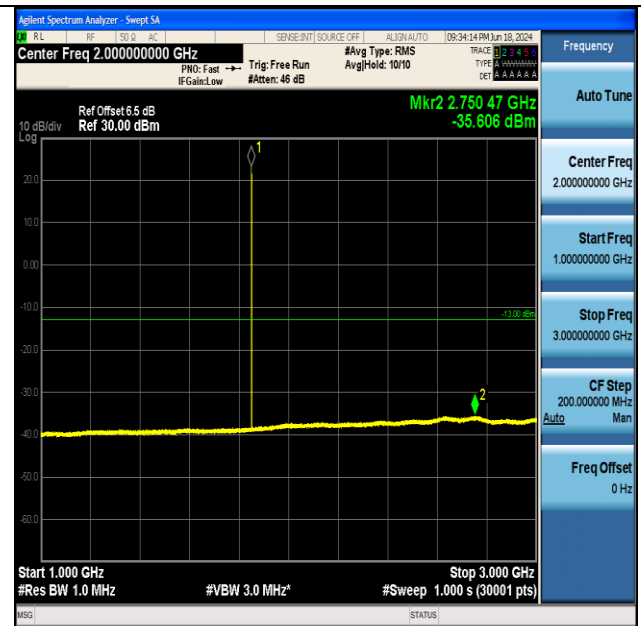
GSM1900-512-0-30~1000MHz-PASS



GPRS1900-512-0-30~1000MHz-PASS



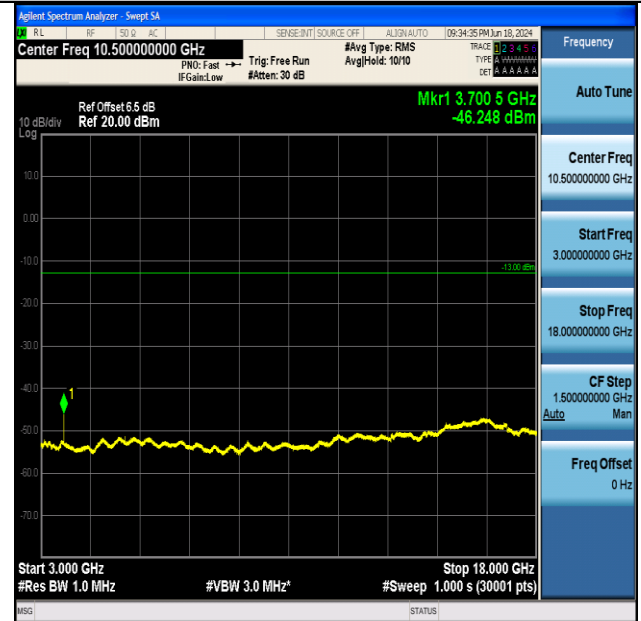
GSM1900-512-0-1000~3000MHz-PASS



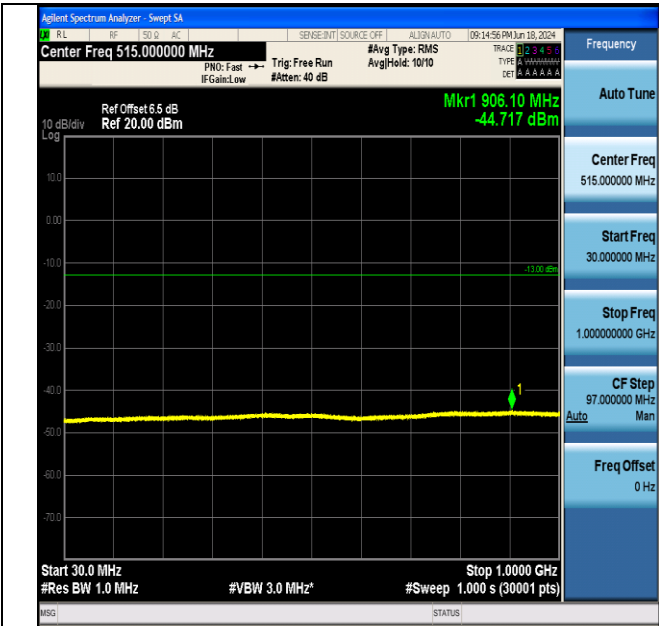
GPRS1900-512-0-1000~3000MHz-PASS



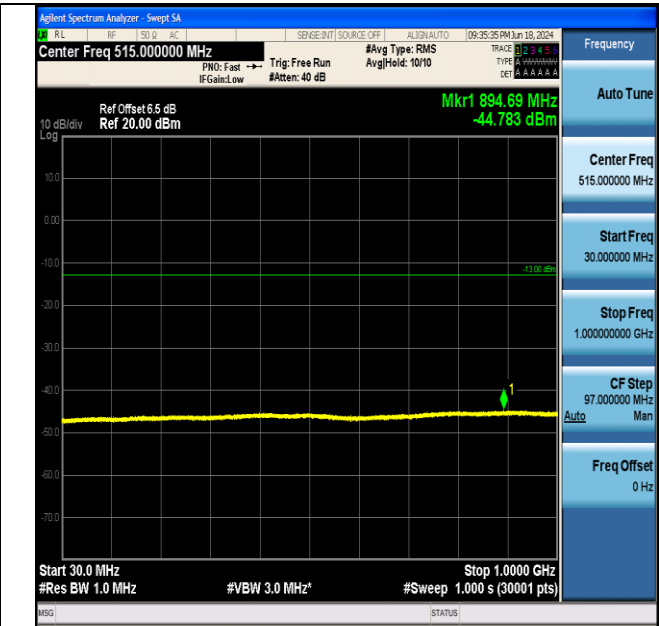
GSM1900-512-0-3000~18000MHz-PASS



GPRS1900-512-0-3000~18000MHz-PASS



GSM1900-661-0-30~1000MHz-PASS



GPRS1900-661-0-30~1000MHz-PASS



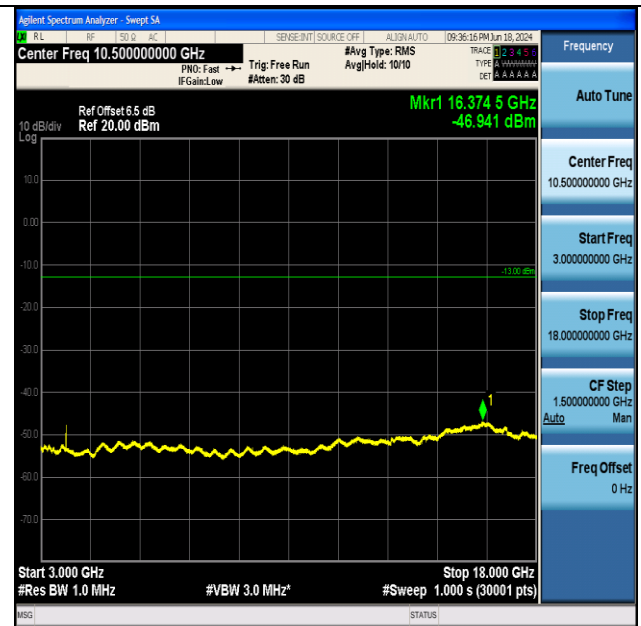
GSM1900-661-0-1000~3000MHz-PASS



GPRS1900-661-0-1000~3000MHz-PASS



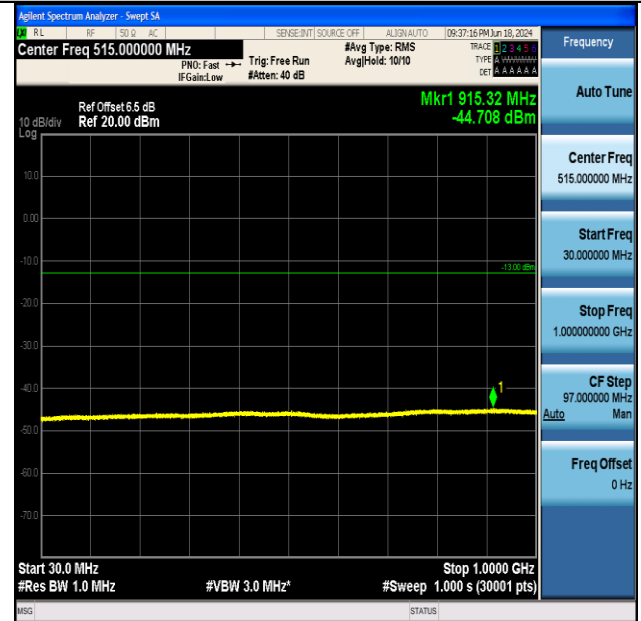
GSM1900-661-0-3000~18000MHz-PASS



GPRS1900-661-0-3000~18000MHz-PASS



GSM1900-810-0-30~1000MHz-PASS



GPRS1900-810-0-30~1000MHz-PASS