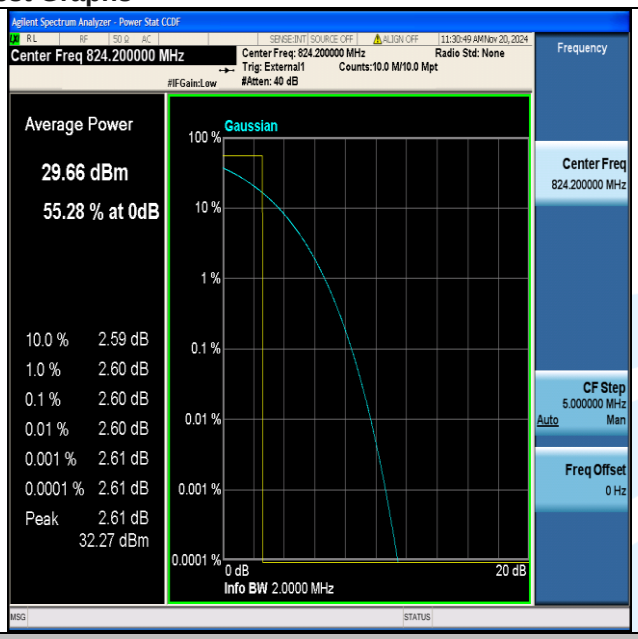
APPENDIX RF TEST DATA
APPENDIX A: GSM
APPENDIX A1: PEAK-TO-AVERAGE RATIO

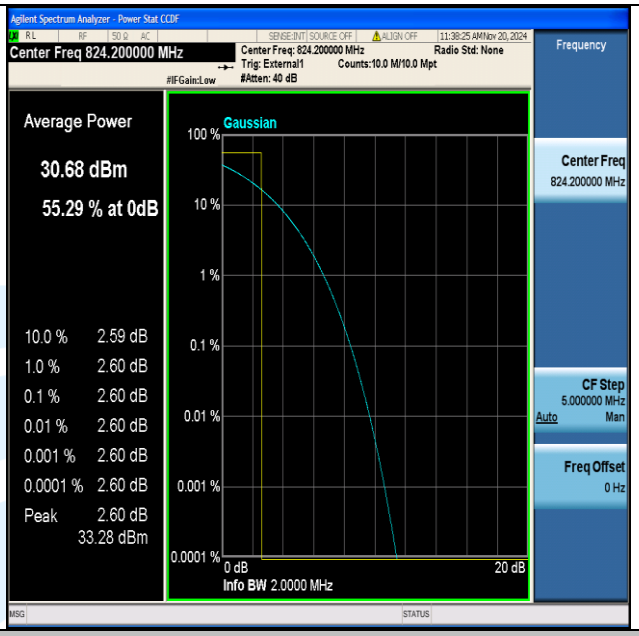
GSM 850& PCS 1900:

Band	Channel	Result (dB)	Limit (dB)	Verdict
GSM850	128	2.60	13	PASS
GPRS850	128	2.60	13	PASS
GSM850	190	2.60	13	PASS
GPRS850	190	2.61	13	PASS
GSM850	251	2.62	13	PASS
GPRS850	251	2.62	13	PASS
EGPRS850	128	5.62	13	PASS
EGPRS850	190	5.62	13	PASS
EGPRS850	251	5.63	13	PASS
GSM1900	512	2.63	13	PASS
GPRS1900	512	2.64	13	PASS
GSM1900	661	2.62	13	PASS
GPRS1900	661	2.62	13	PASS
GSM1900	810	2.61	13	PASS
GPRS1900	810	2.62	13	PASS
EGPRS1900	512	5.61	13	PASS
EGPRS1900	661	5.59	13	PASS
EGPRS1900	810	5.51	13	PASS

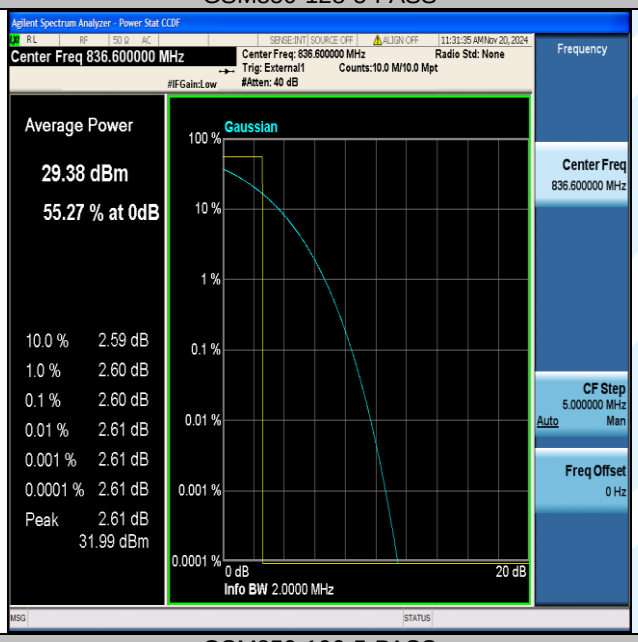
Test Graphs



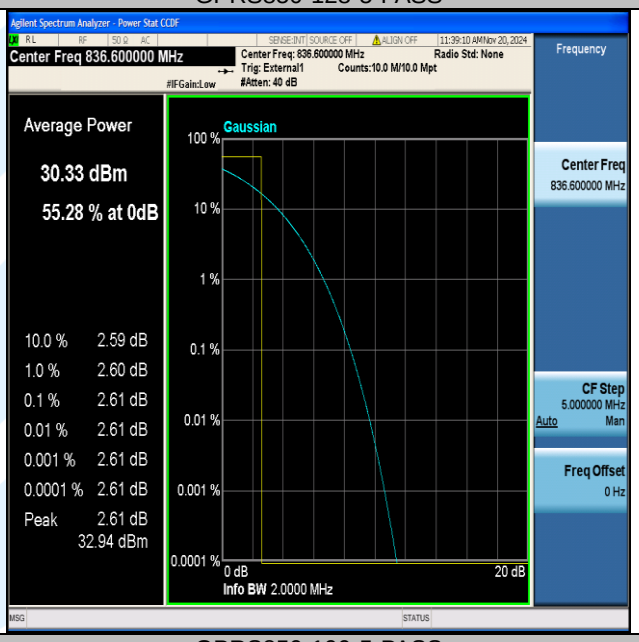
GSM850-128-5-PASS



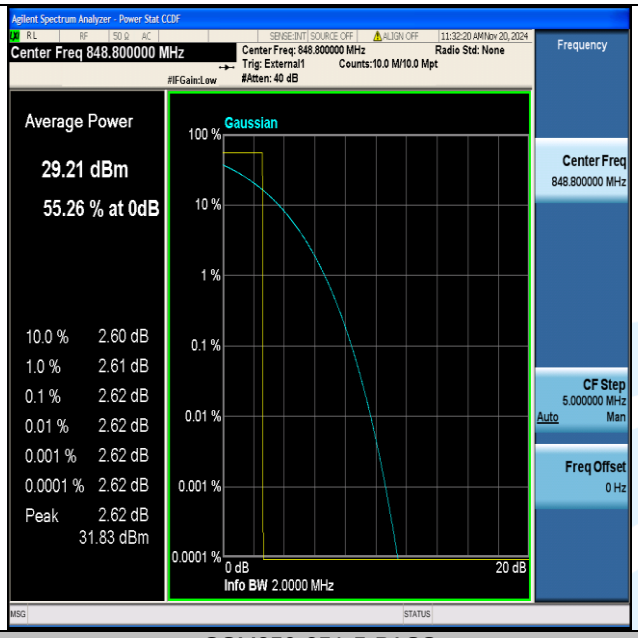
GPRS850-128-5-PASS



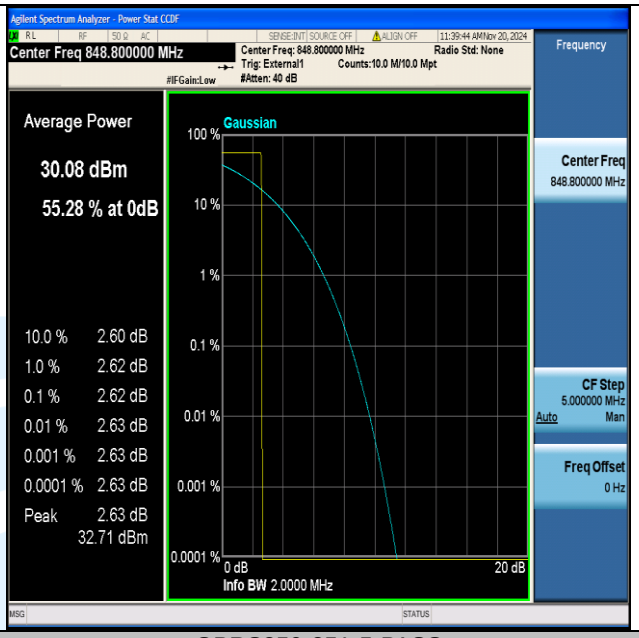
GSM850-190-5-PASS



GPRS850-190-5-PASS



GSM850-251-5-PASS



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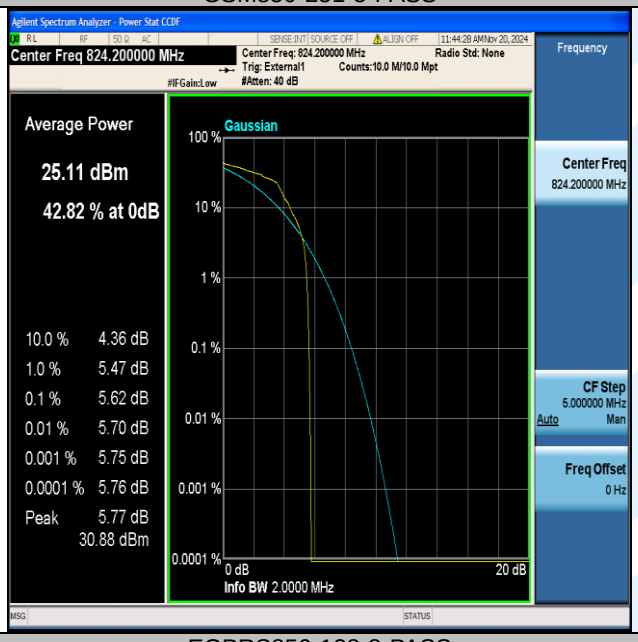
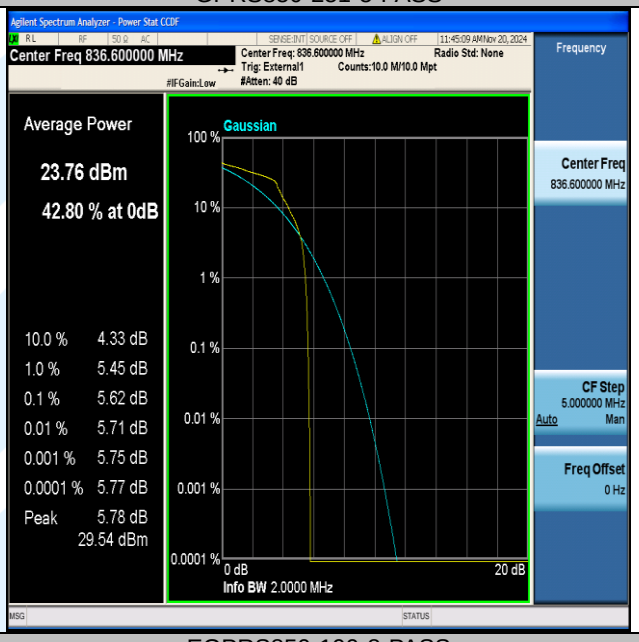
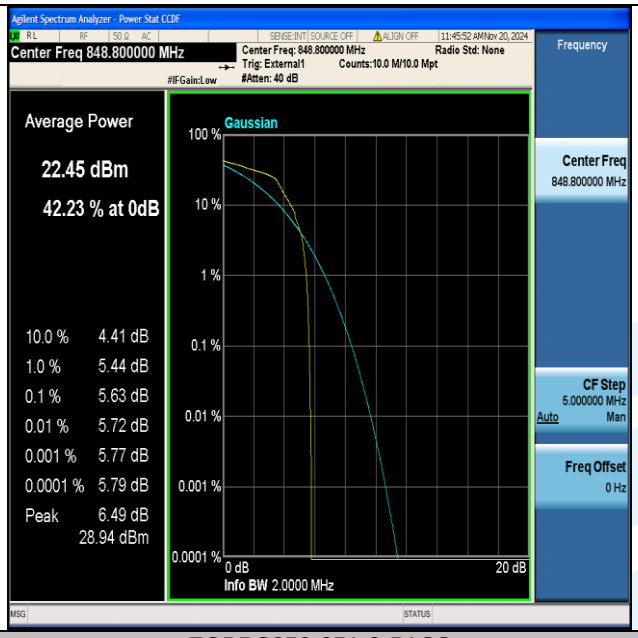


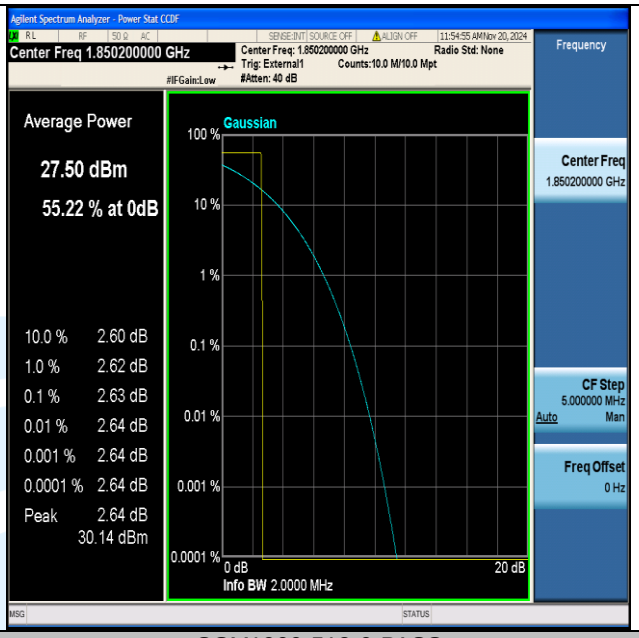
EGPRS850-128-8-PASS



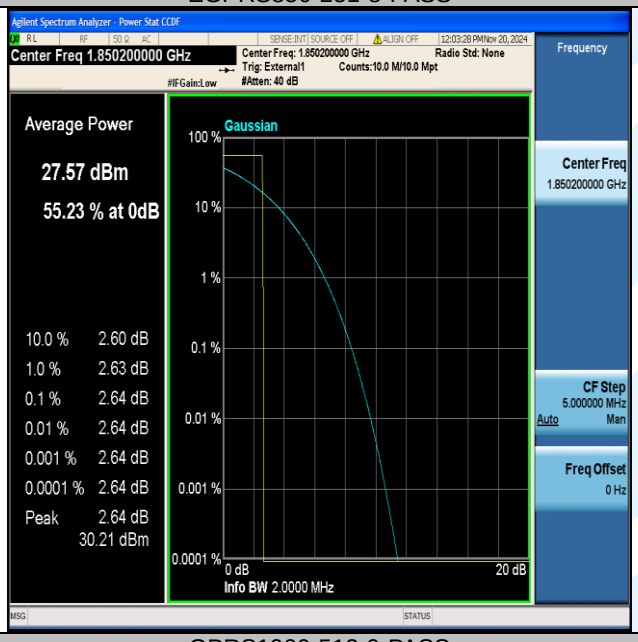
EGPRS850-190-8-PASS



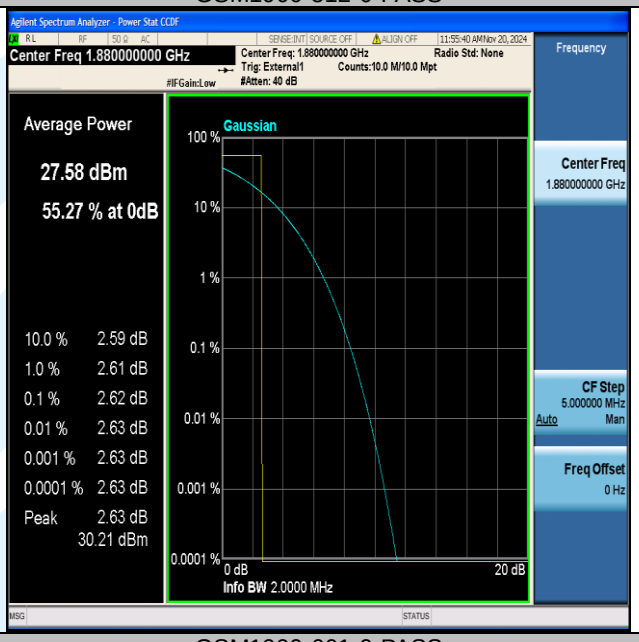
EGPRS850-251-8-PASS



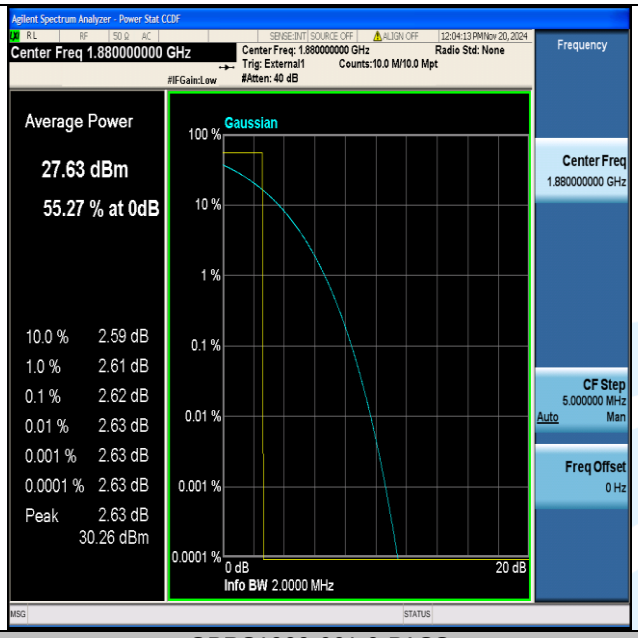
GSM1900-512-0-PASS



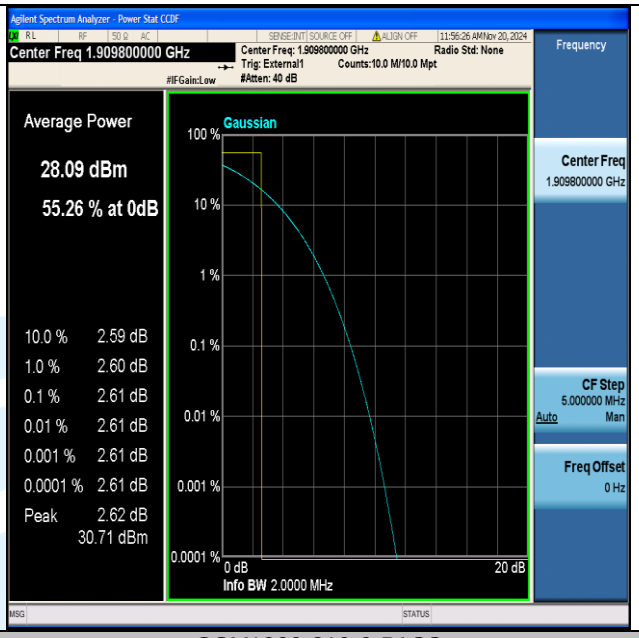
GPRS1900-512-0-PASS



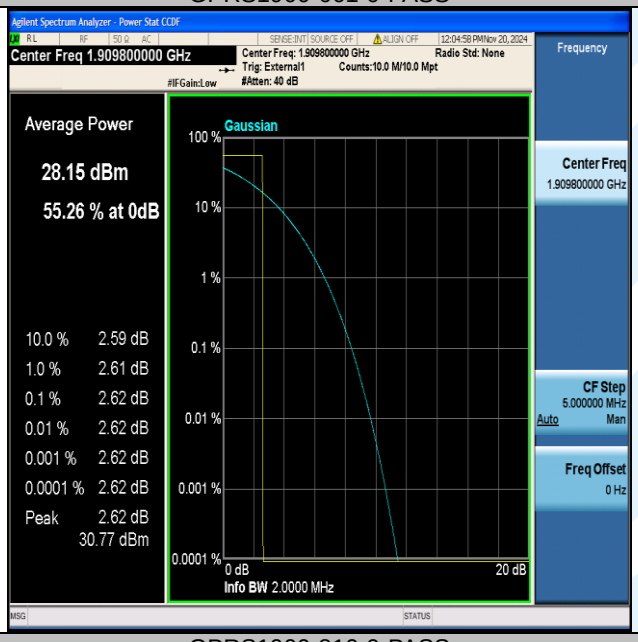
GSM1900-661-0-PASS



GPRS1900-661-0-PASS

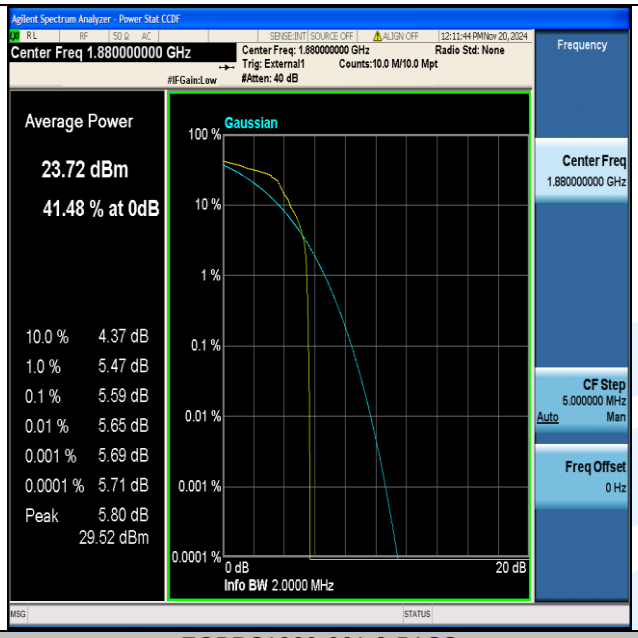


GSM1900-810-0-PASS

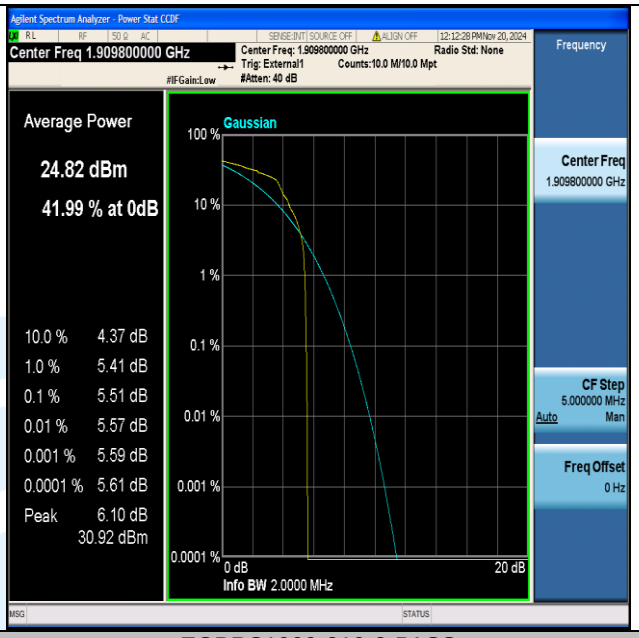


GPRS1900-810-0-PASS

EGPRS1900-512-2-PASS



EGPRS1900-661-2-PASS



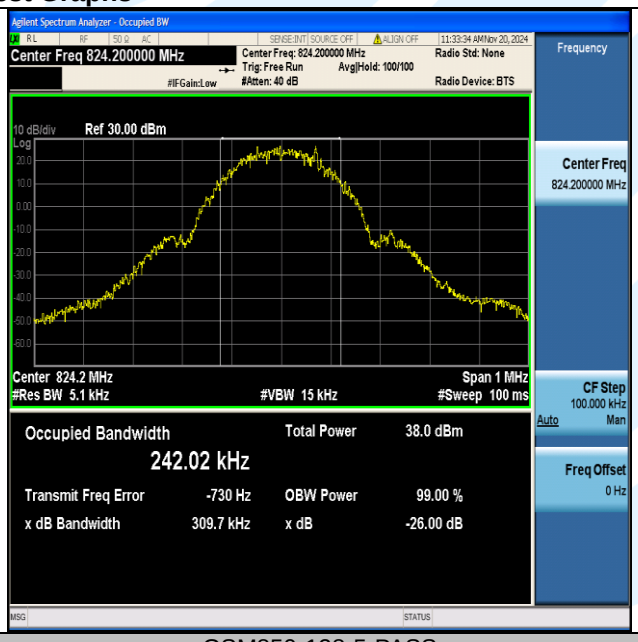
EGPRS1900-810-2-PASS

APPENDIX A2: 26DB BANDWIDTH AND OCCUPIED BANDWIDTH

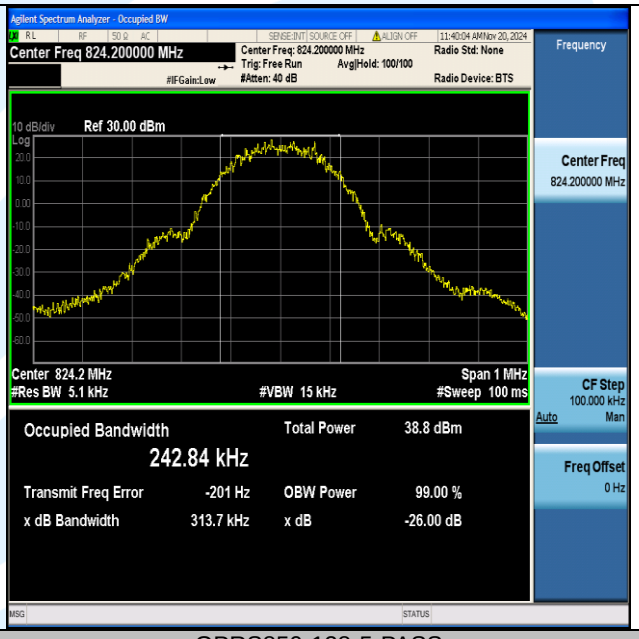
GSM 850& PCS 1900:

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.24202	0.3097	---	PASS
GPRS850	128	0.24284	0.3137	---	PASS
GSM850	190	0.24054	0.3087	---	PASS
GPRS850	190	0.24242	0.3099	---	PASS
GSM850	251	0.24595	0.3167	---	PASS
GPRS850	251	0.24240	0.3099	---	PASS
EGPRS850	128	0.24638	0.3109	---	PASS
EGPRS850	190	0.24645	0.3076	---	PASS
EGPRS850	251	0.23681	0.3030	---	PASS
GSM1900	512	0.24492	0.3085	---	PASS
GPRS1900	512	0.24173	0.3107	---	PASS
GSM1900	661	0.24104	0.3082	---	PASS
GPRS1900	661	0.24236	0.3158	---	PASS
GSM1900	810	0.24658	0.3120	---	PASS
GPRS1900	810	0.24204	0.3143	---	PASS
EGPRS1900	512	0.24302	0.3079	---	PASS
EGPRS1900	661	0.24703	0.3100	---	PASS
EGPRS1900	810	0.24742	0.3035	---	PASS

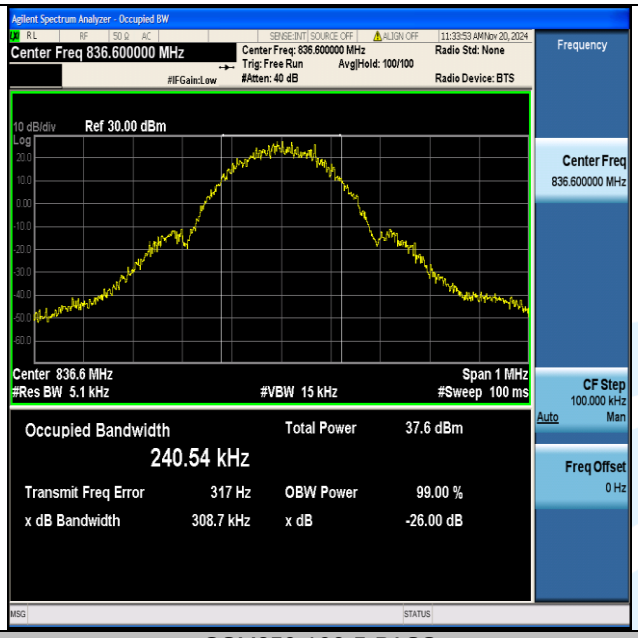
Test Graphs



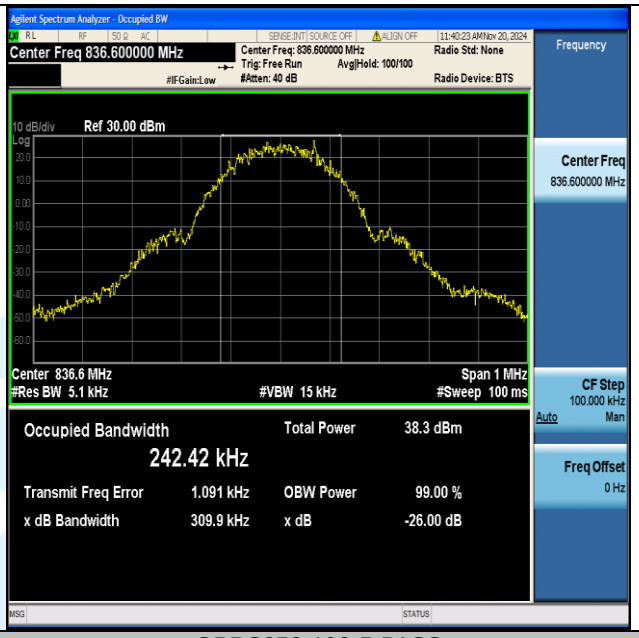
GSM850-128-5-PASS



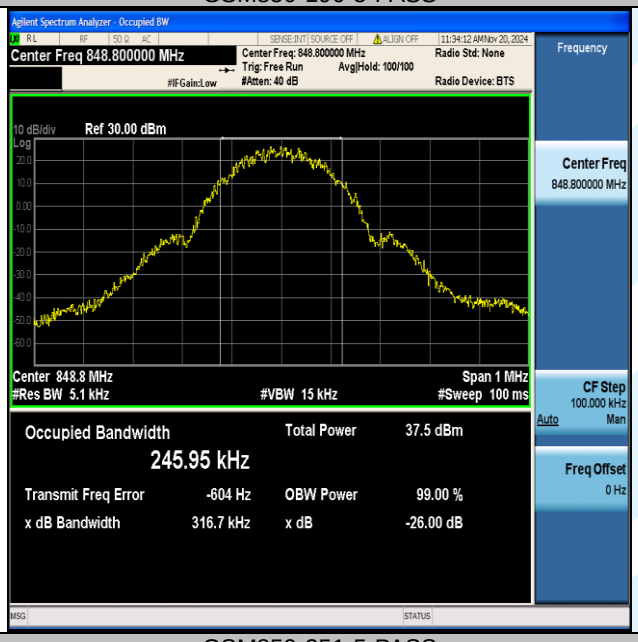
GPRS850-128-5-PASS



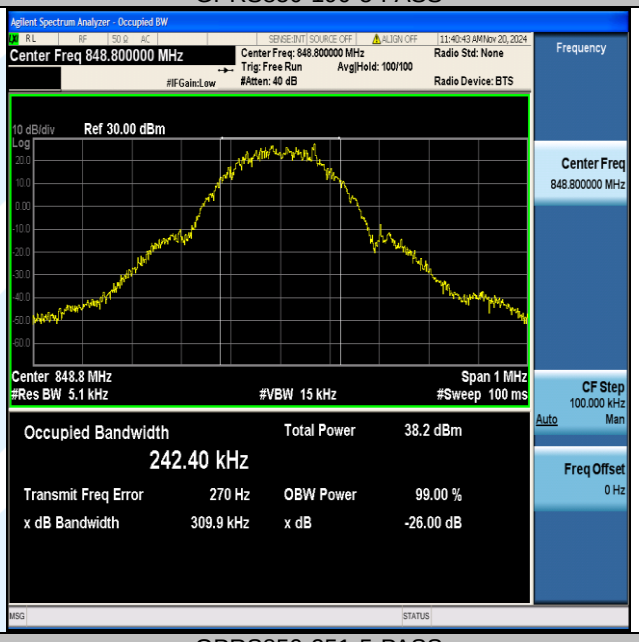
GSM850-190-5-PASS



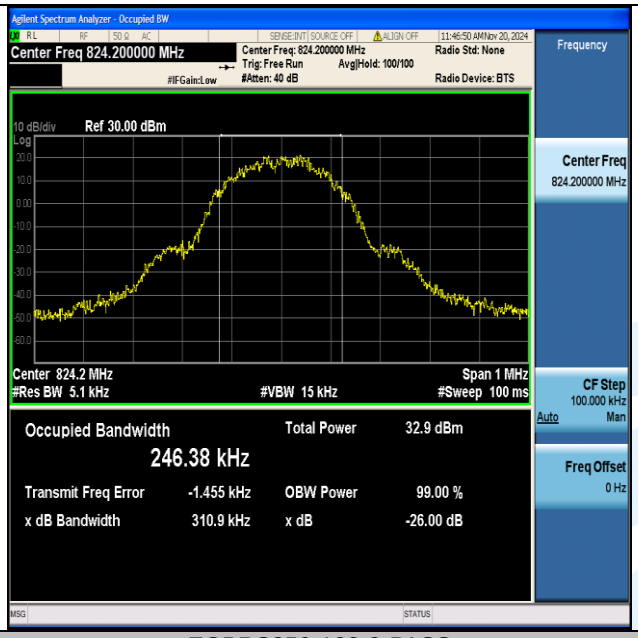
GPRS850-190-5-PASS



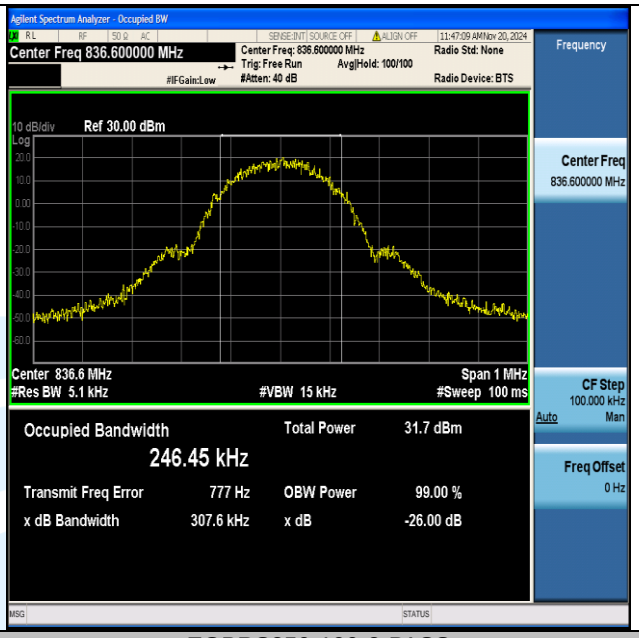
GSM850-251-5-PASS



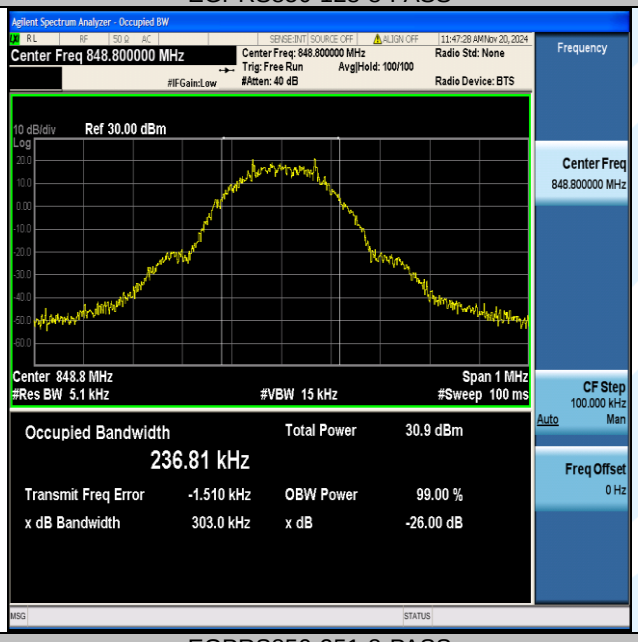
GPRS850-251-5-PASS



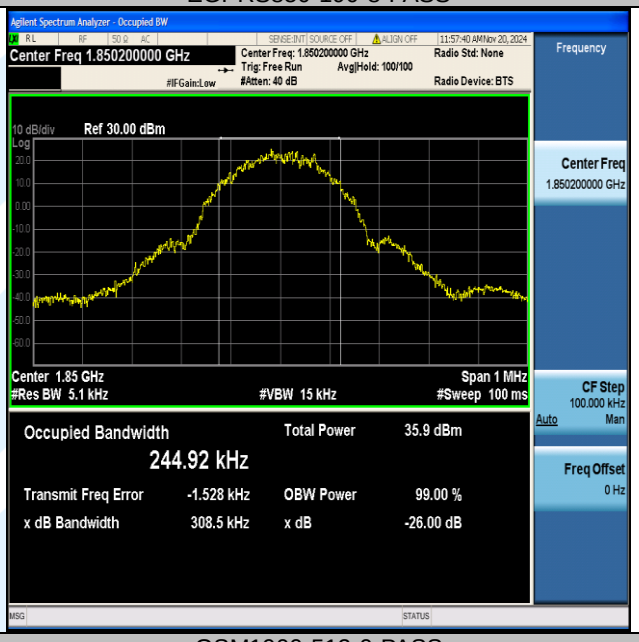
EGPRS850-128-8-PASS



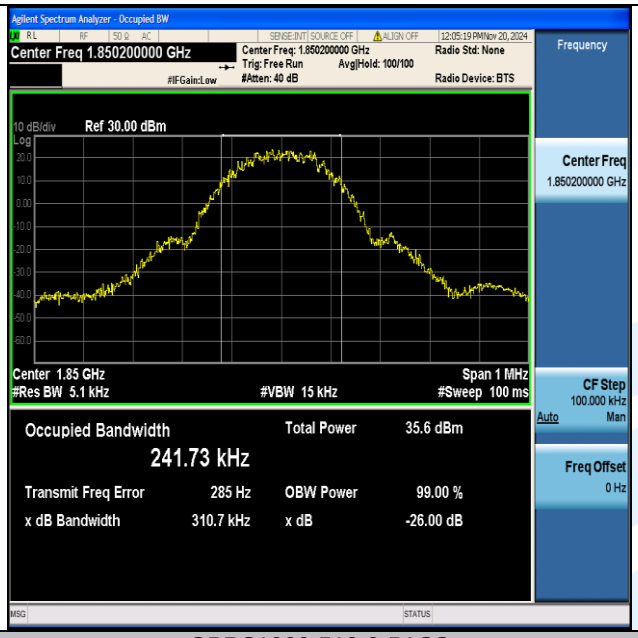
EGPRS850-190-8-PASS



EGPRS850-251-8-PASS



GSM1900-512-0-PASS



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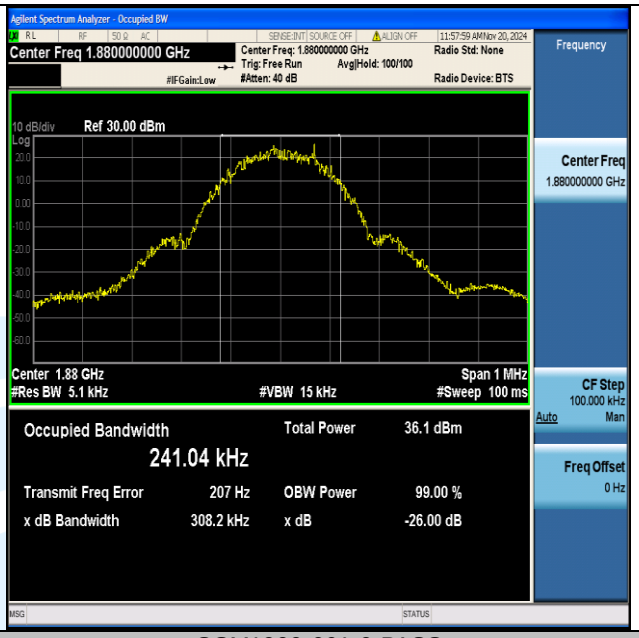
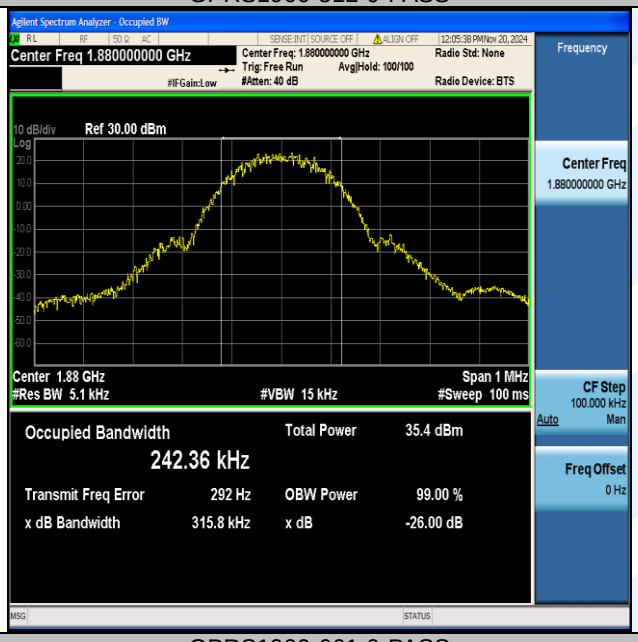
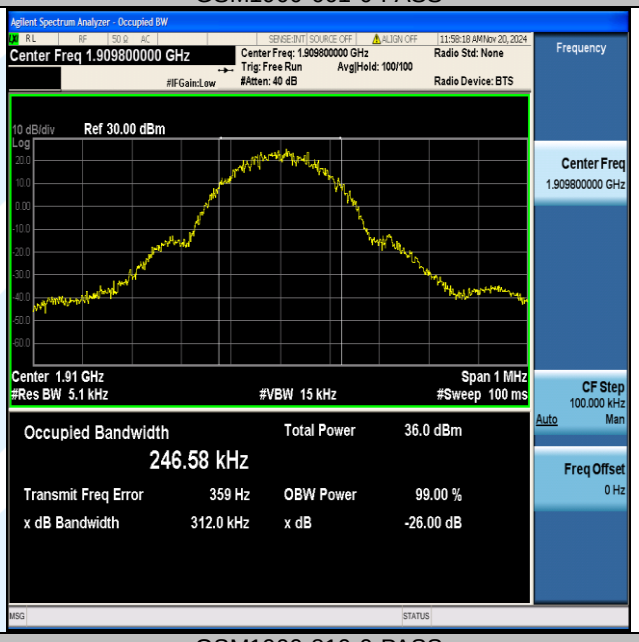


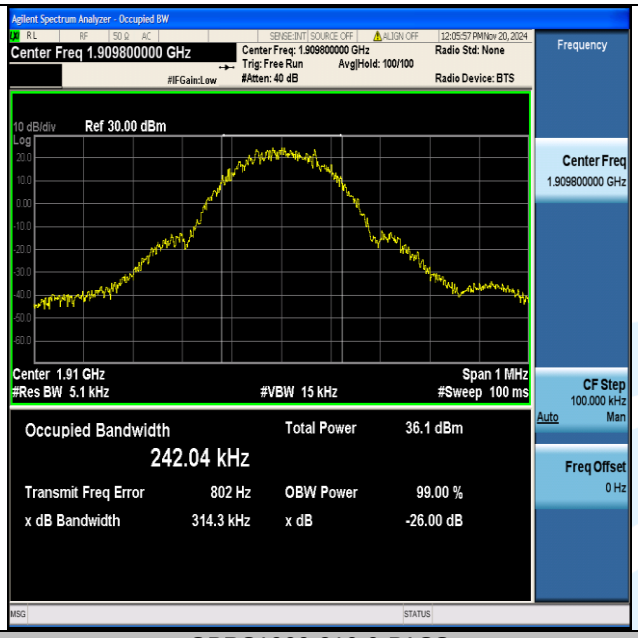
GSM1900-661-0-PASS



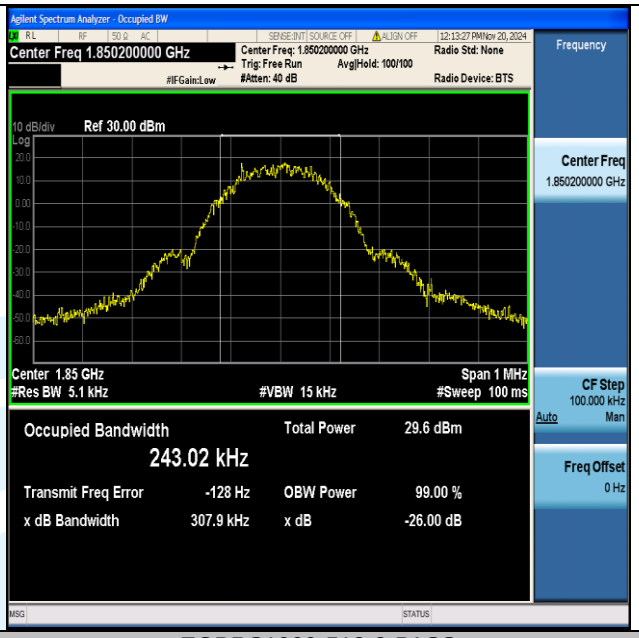
GPRS1900-661-0-PASS



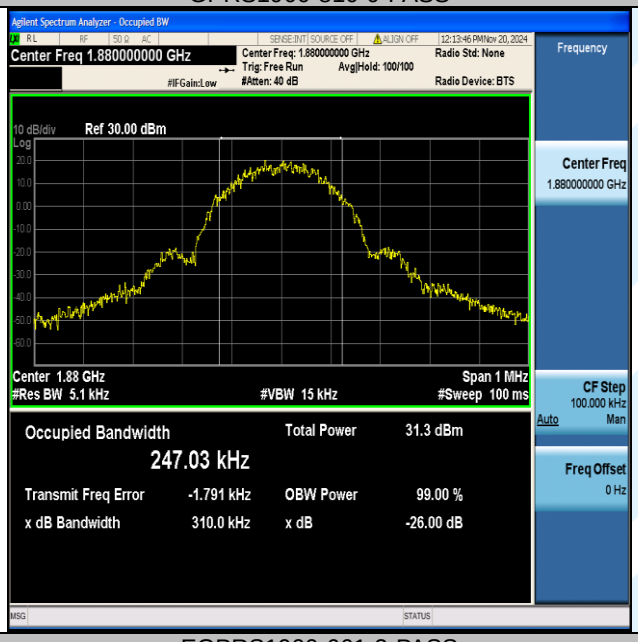
GSM1900-810-0-PASS



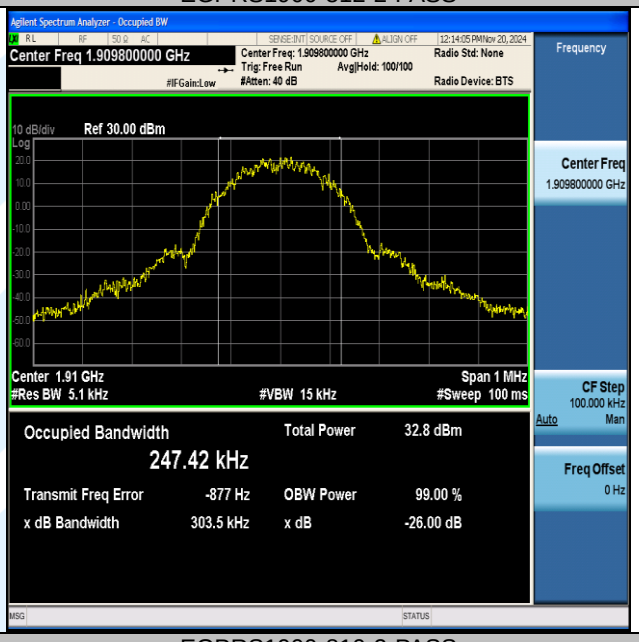
GPRS1900-810-0-PASS



EGPRS1900-512-2-PASS



EGPRS1900-661-2-PASS



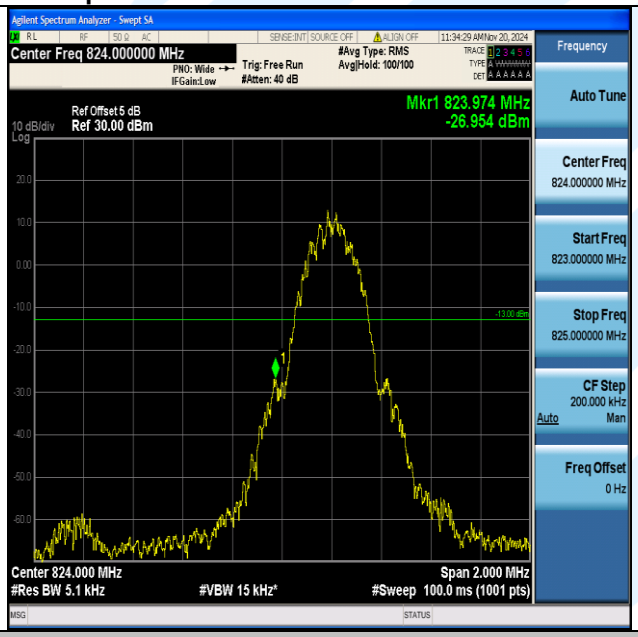
EGPRS1900-810-2-PASS

APPENDIX A3: BAND EDGE

GSM 850& PCS 1900:

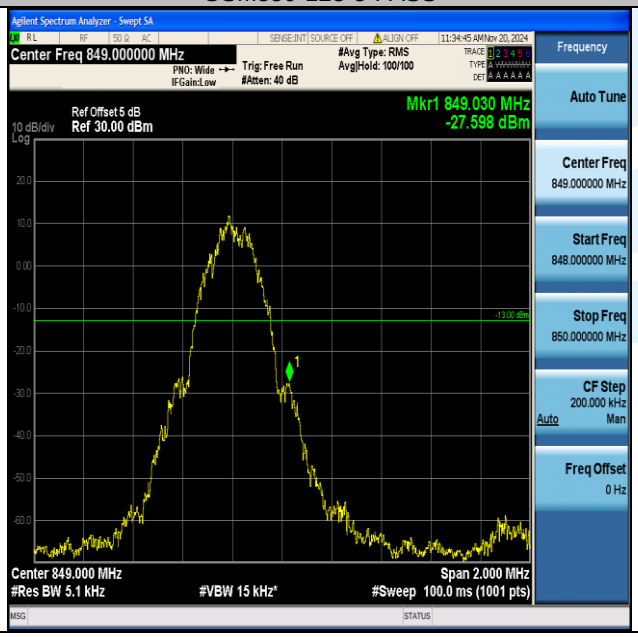
Band	Channel	Freq (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM850	128	823.97	-26.95	-13	PASS
GPRS850	128	823.98	-25.80	-13	PASS
GSM850	251	849.03	-27.60	-13	PASS
GPRS850	251	849.00	-25.08	-13	PASS
EGPRS850	128	823.97	-32.27	-13	PASS
EGPRS850	251	849.00	-36.53	-13	PASS
GSM1900	512	1849.98	-28.18	-13	PASS
GPRS1900	512	1849.98	-29.43	-13	PASS
GSM1900	810	1910.02	-24.71	-13	PASS
GPRS1900	810	1910.02	-26.08	-13	PASS
EGPRS1900	512	1849.96	-37.37	-13	PASS
EGPRS1900	810	1910.00	-30.85	-13	PASS

Test Graphs

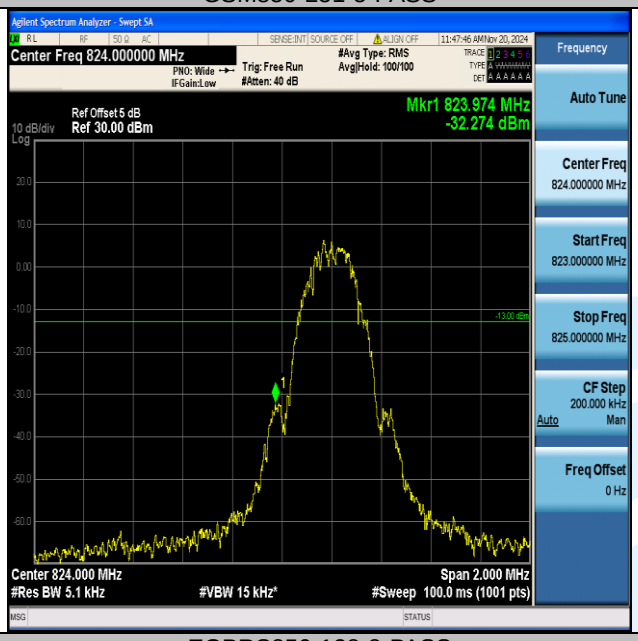


GSM850-128-5-PASS

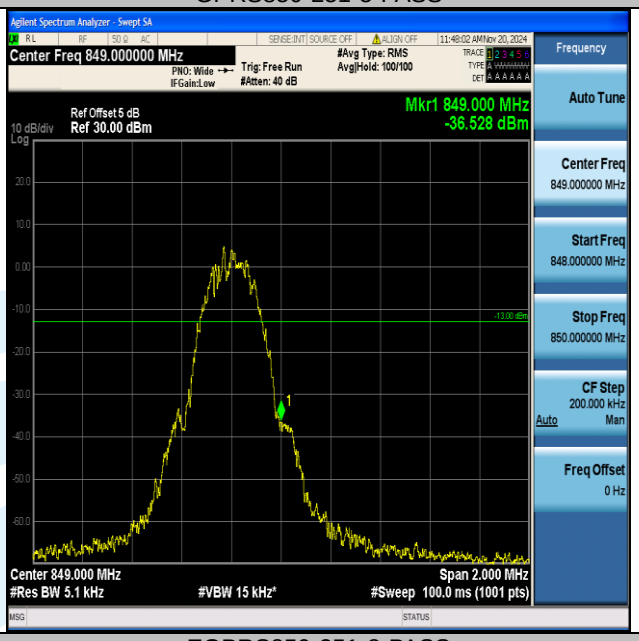
GPRS850-128-5-PASS



GSM850-251-5-PASS

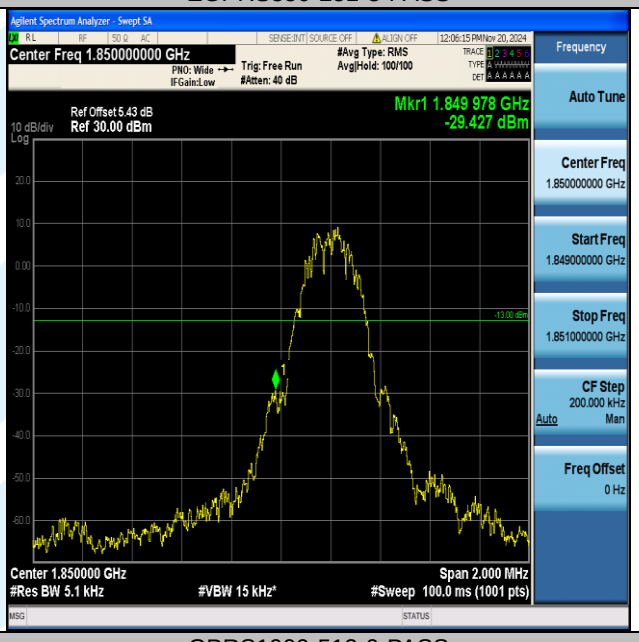


GPRS850-251-5-PASS



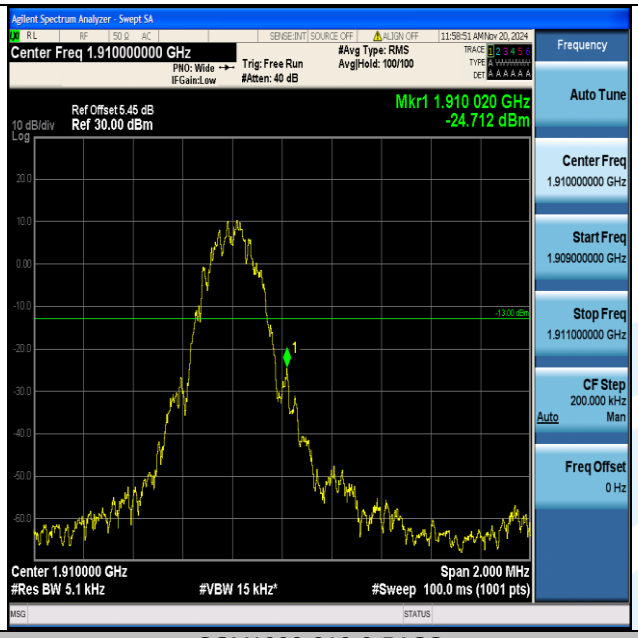
EGPRS850-128-8-PASS

EGPRS850-251-8-PASS

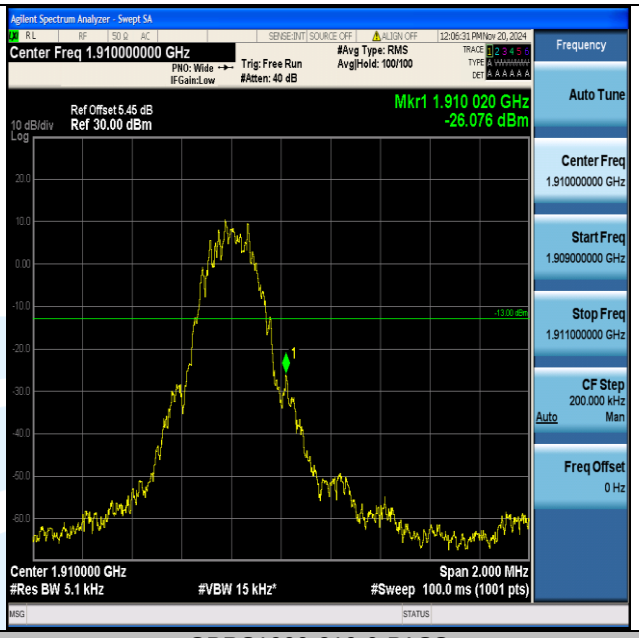


GSM1900-512-0-PASS

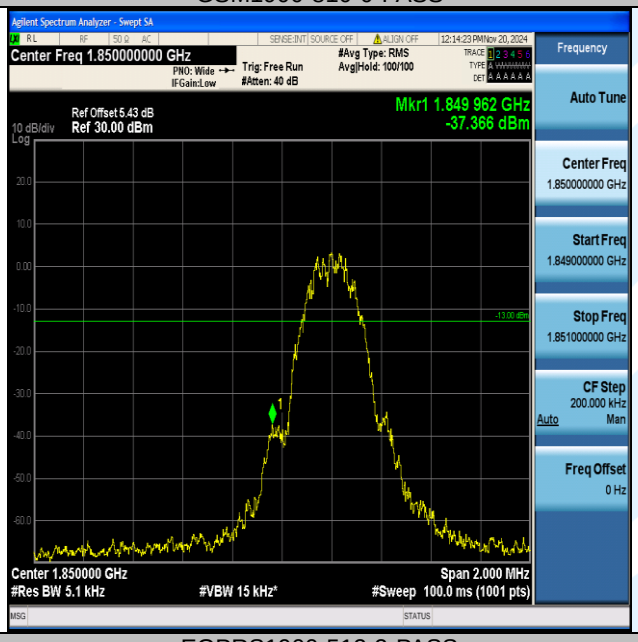
GPRS1900-512-0-PASS



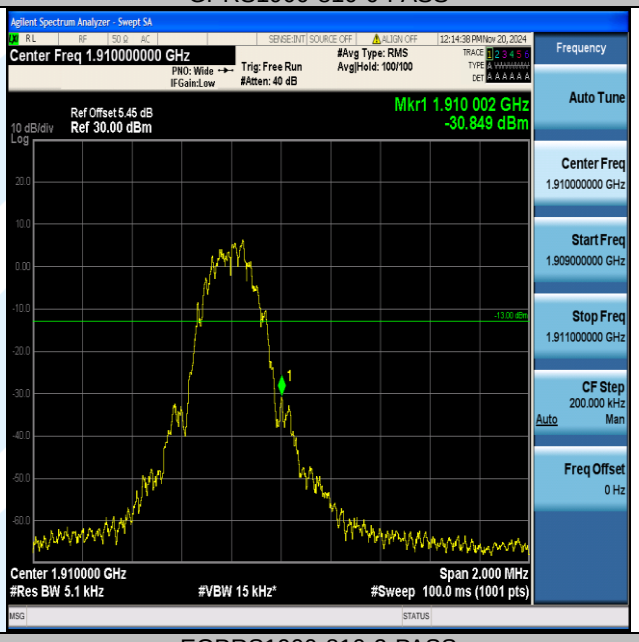
GSM1900-810-0-PASS



GPRS1900-810-0-PASS



EGPRS1900-512-2-PASS



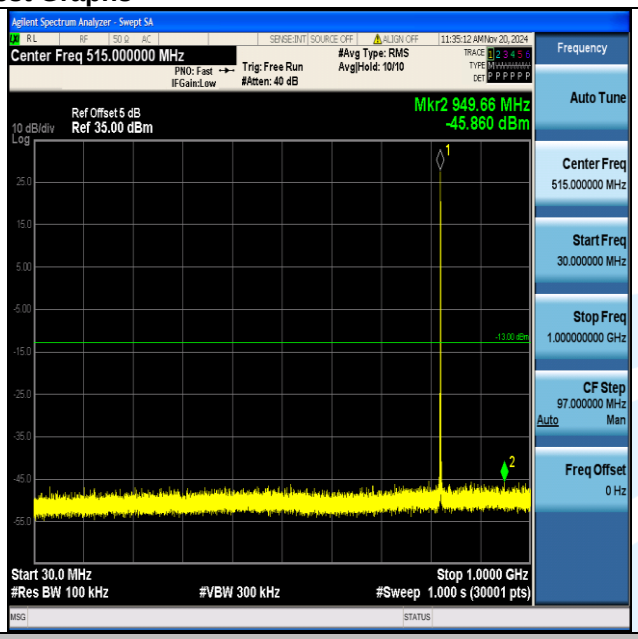
EGPRS1900-810-2-PASS

APPENDIX A4: CONDUCTED SPURIOUS EMISSION

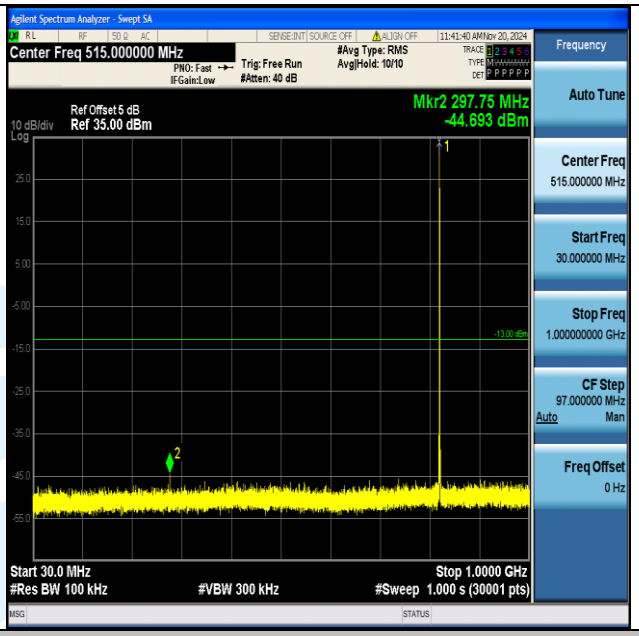
GSM 850& PCS 1900:

Band	Channel	Frequency Range (MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM850	128	30~1000MHz	949.66	-45.86	-13	PASS
GPRS850	128	30~1000MHz	297.75	-44.69	-13	PASS
GSM850	128	1000~10000MHz	1648.6	-27.92	-13	PASS
GPRS850	128	1000~10000MHz	1648.3	-26.19	-13	PASS
GSM850	190	30~1000MHz	942.64	-46.05	-13	PASS
GPRS850	190	30~1000MHz	964.82	-45.87	-13	PASS
GSM850	190	1000~10000MHz	1673.5	-29.19	-13	PASS
GPRS850	190	1000~10000MHz	2509	-35.74	-13	PASS
GSM850	251	30~1000MHz	409.01	-45.66	-13	PASS
GPRS850	251	30~1000MHz	997.61	-45.31	-13	PASS
GSM850	251	1000~10000MHz	1697.8	-29.5	-13	PASS
GPRS850	251	1000~10000MHz	5941.6	-41.28	-13	PASS
EGPRS850	128	30~1000MHz	996.57	-46.1	-13	PASS
EGPRS850	128	1000~10000MHz	6322	-42.54	-13	PASS
EGPRS850	190	30~1000MHz	416	-38.13	-13	PASS
EGPRS850	190	1000~10000MHz	1673.2	-38.44	-13	PASS
EGPRS850	251	30~1000MHz	416.03	-39.73	-13	PASS
EGPRS850	251	1000~10000MHz	1697.5	-38.87	-13	PASS
GSM1900	512	30~1000MHz	853.43	-45.17	-13	PASS
GPRS1900	512	30~1000MHz	967.47	-44.67	-13	PASS
GSM1900	512	1000~3000MHz	2876.4	-26.51	-13	PASS
GPRS1900	512	1000~3000MHz	2742	-26.29	-13	PASS
GSM1900	512	3000~18000MHz	16366	-37.53	-13	PASS
GPRS1900	512	3000~18000MHz	16344	-37.01	-13	PASS
GSM1900	661	30~1000MHz	967.67	-44.83	-13	PASS
GPRS1900	661	30~1000MHz	785.66	-45.35	-13	PASS
GSM1900	661	1000~3000MHz	2667	-26.52	-13	PASS
GPRS1900	661	1000~3000MHz	2625.33	-26.56	-13	PASS
GSM1900	661	3000~18000MHz	16610.5	-37.99	-13	PASS
GPRS1900	661	3000~18000MHz	16303.5	-37.85	-13	PASS
GSM1900	810	30~1000MHz	890.94	-44.39	-13	PASS
GPRS1900	810	30~1000MHz	824.04	-44.73	-13	PASS
GSM1900	810	1000~3000MHz	2762.47	-26.57	-13	PASS
GPRS1900	810	1000~3000MHz	2728.6	-26.73	-13	PASS
GSM1900	810	3000~18000MHz	16379	-37.26	-13	PASS
GPRS1900	810	3000~18000MHz	16540.5	-37.84	-13	PASS
EGPRS1900	512	30~1000MHz	932.07	-44.67	-13	PASS
EGPRS1900	512	1000~3000MHz	2643.4	-26.18	-13	PASS
EGPRS1900	512	3000~18000MHz	15847	-37.7	-13	PASS
EGPRS1900	661	30~1000MHz	949.4	-45.16	-13	PASS
EGPRS1900	661	1000~3000MHz	2988.53	-26.61	-13	PASS
EGPRS1900	661	3000~18000MHz	16243	-37.73	-13	PASS
EGPRS1900	810	30~1000MHz	808.36	-44.72	-13	PASS
EGPRS1900	810	1000~3000MHz	2611.2	-26.73	-13	PASS
EGPRS1900	810	3000~18000MHz	16343	-37.79	-13	PASS

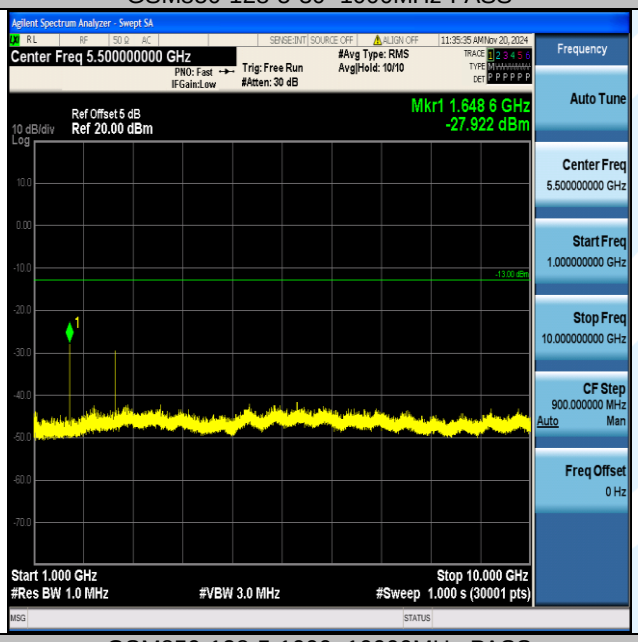
Test Graphs



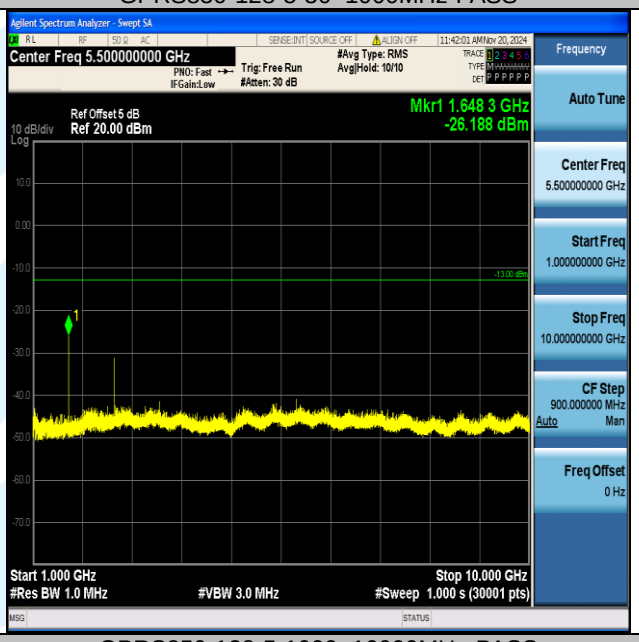
GSM850-128-5-30~1000MHz-PASS



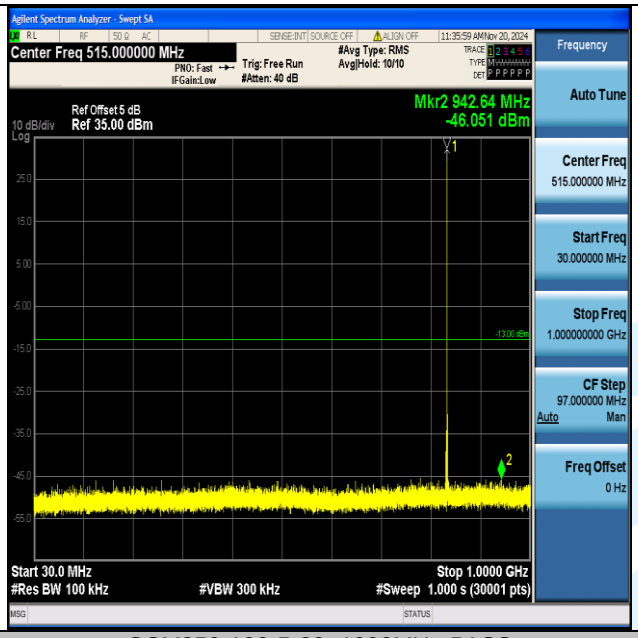
GPRS850-128-5-30~1000MHz-PASS



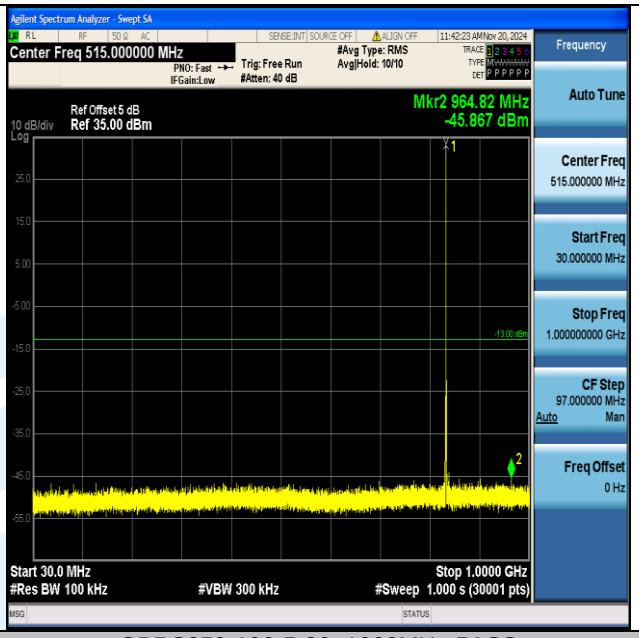
GSM850-128-5-1000~10000MHz-PASS



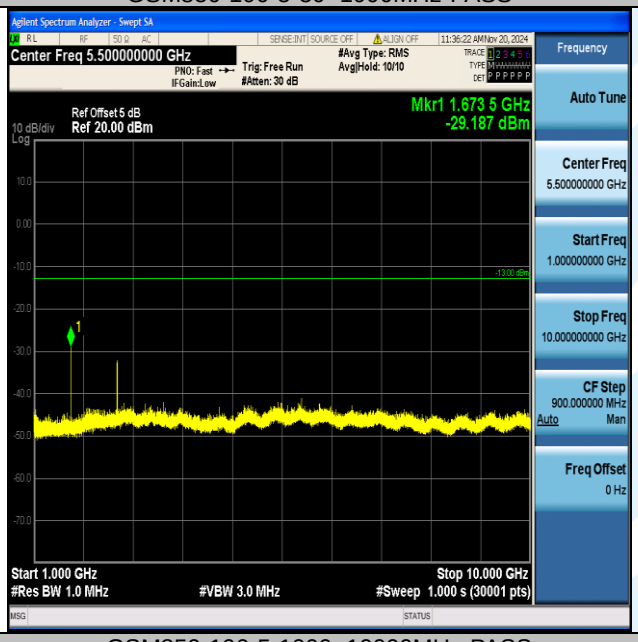
GPRS850-128-5-1000~10000MHz-PASS



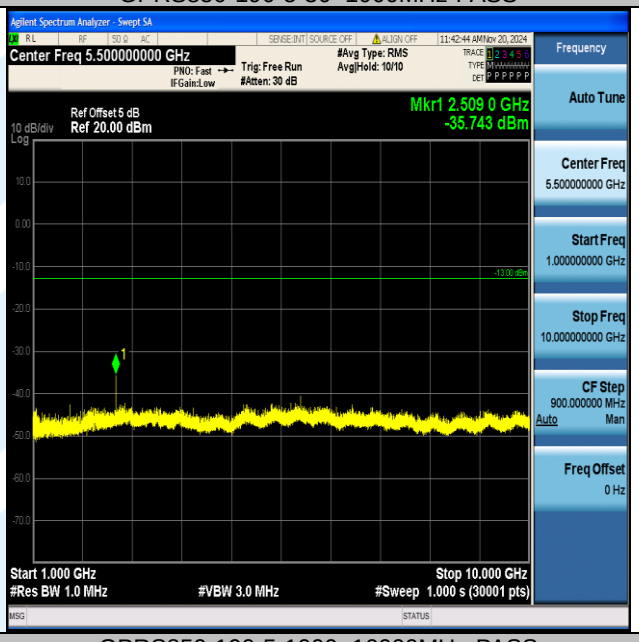
GSM850-190-5-30~1000MHz-PASS



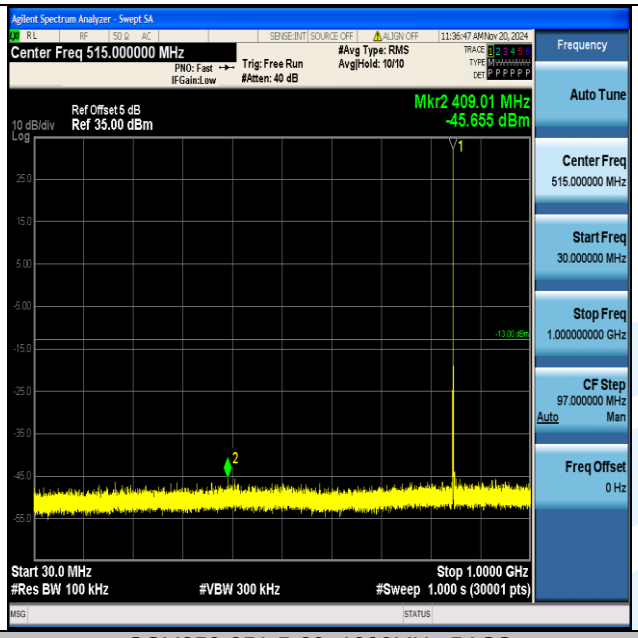
GPRS850-190-5-30~1000MHz-PASS



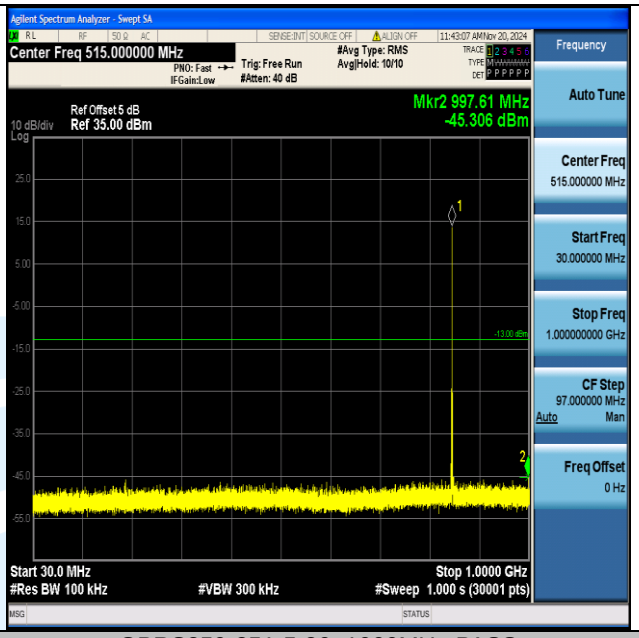
GSM850-190-5-1000~10000MHz-PASS



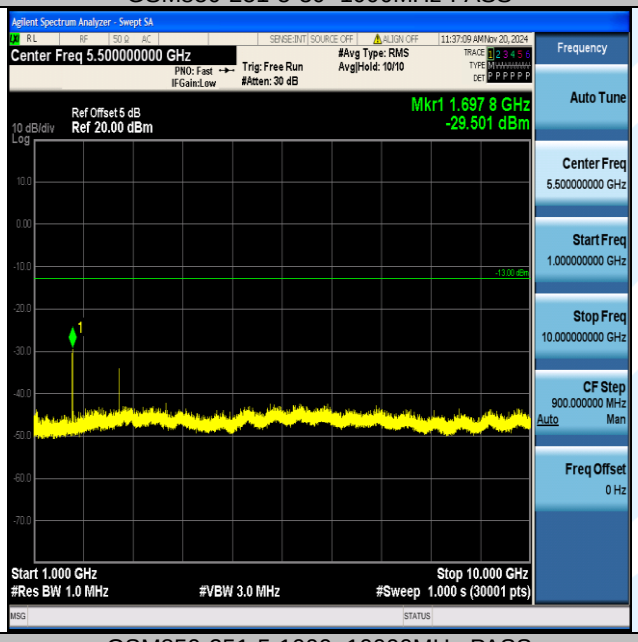
GPRS850-190-5-1000~10000MHz-PASS



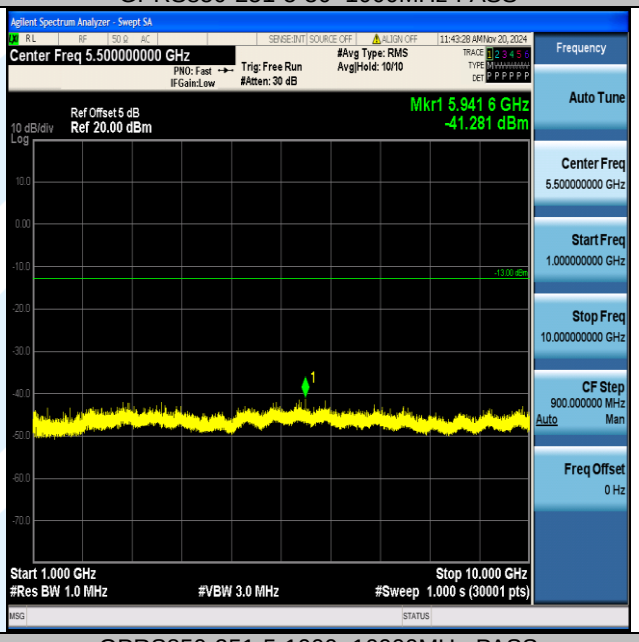
GSM850-251-5-30~1000MHz-PASS



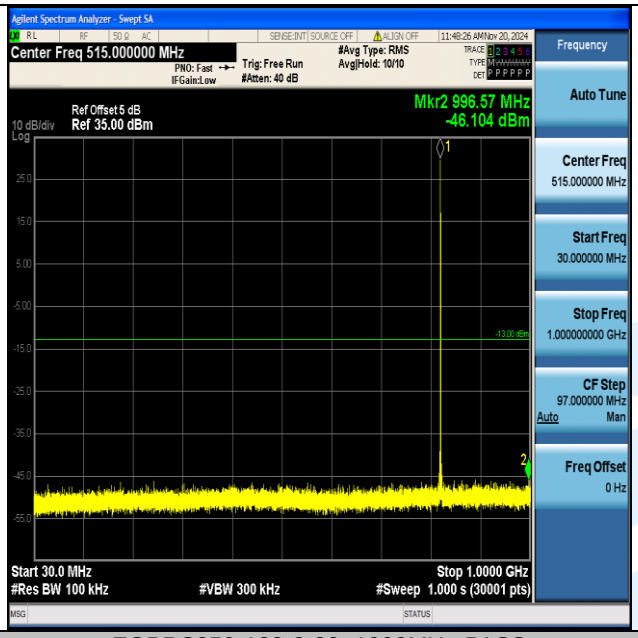
GPRS850-251-5-30~1000MHz-PASS



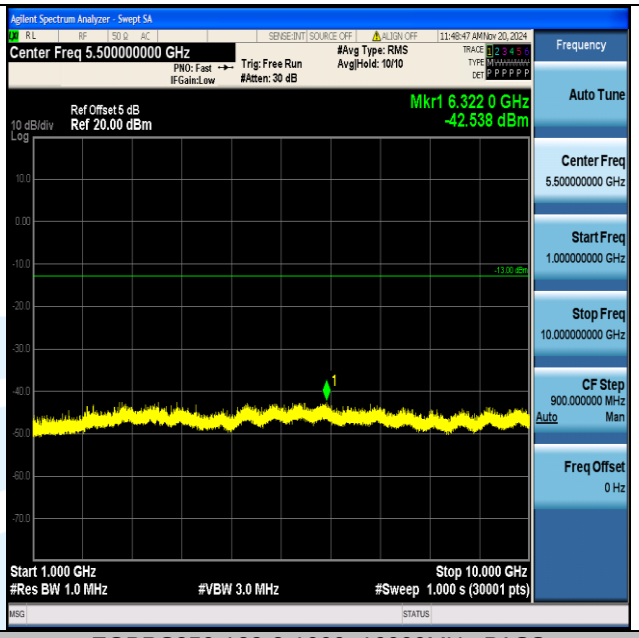
GSM850-251-5-1000~10000MHz-PASS



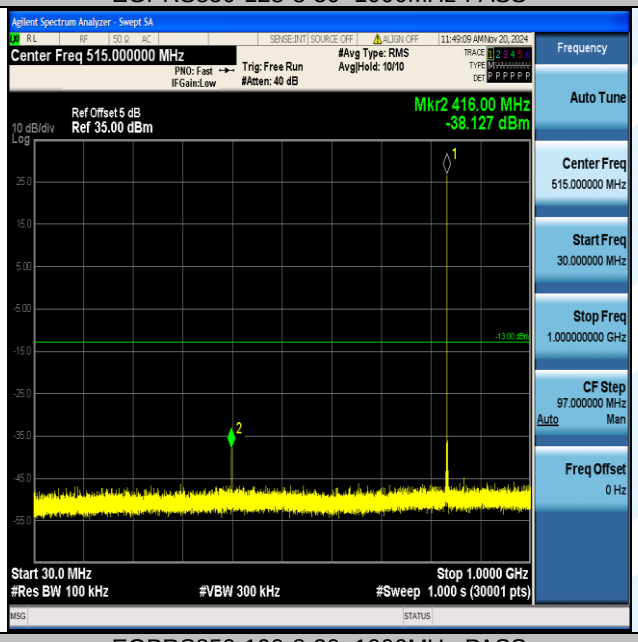
GPRS850-251-5-1000~10000MHz-PASS



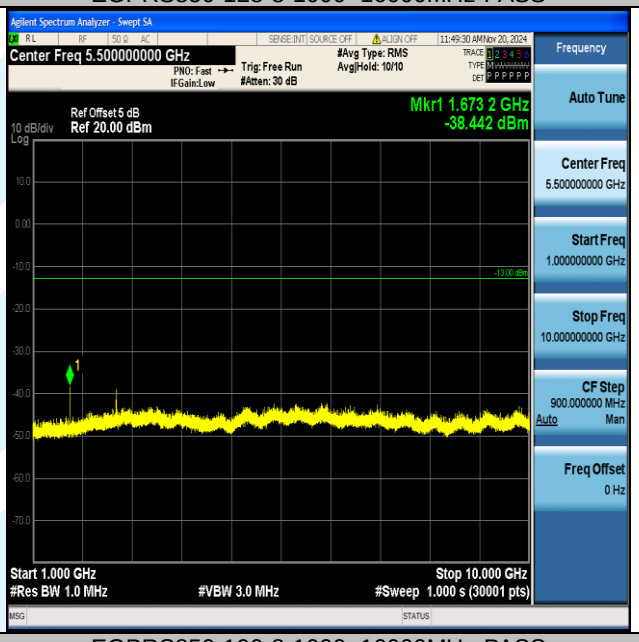
EGPRS850-128-8-30~1000MHz-PASS



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



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



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