

APPENDIX RF TEST DATA

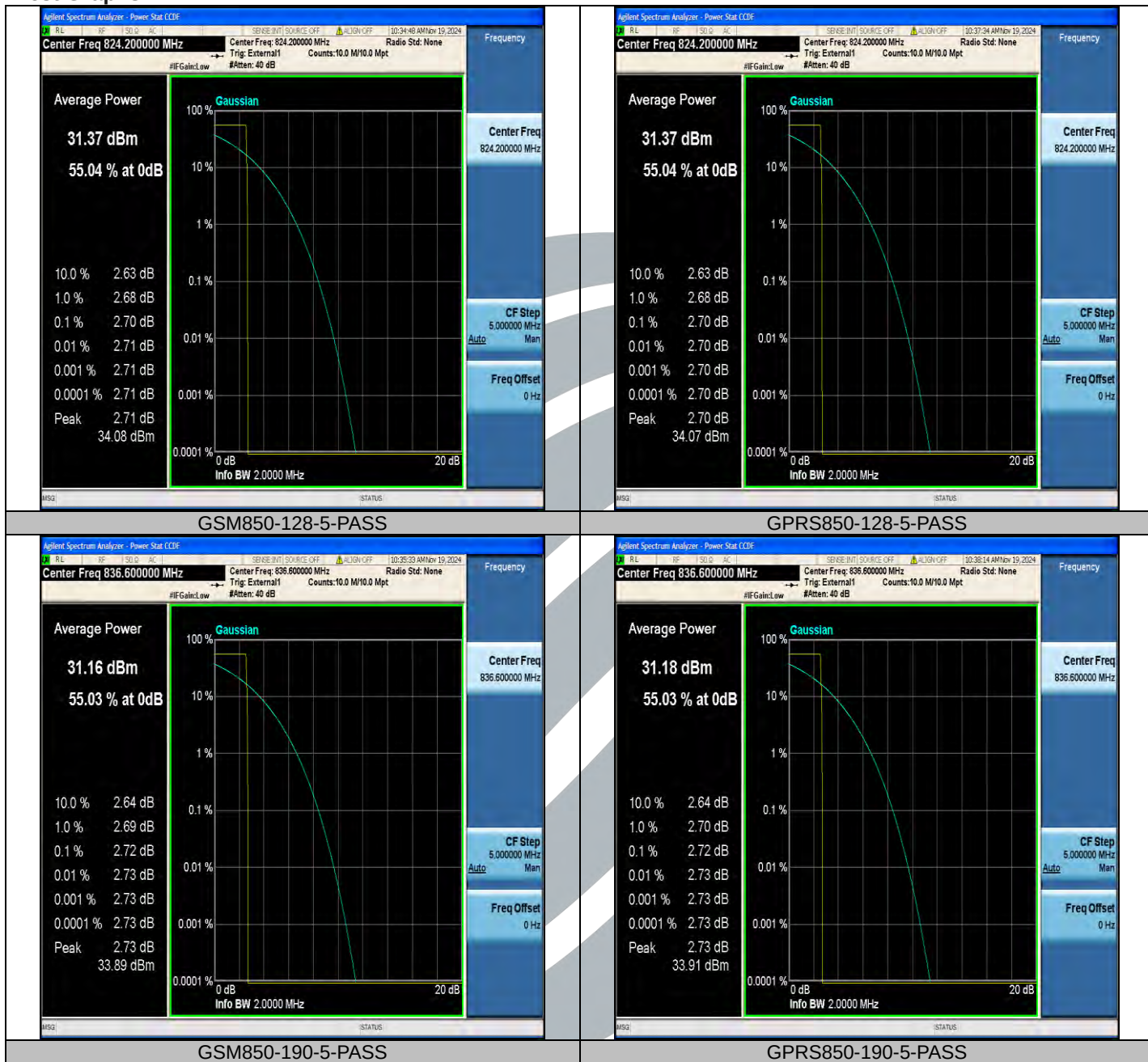
APPENDIX A: GSM&CDMA

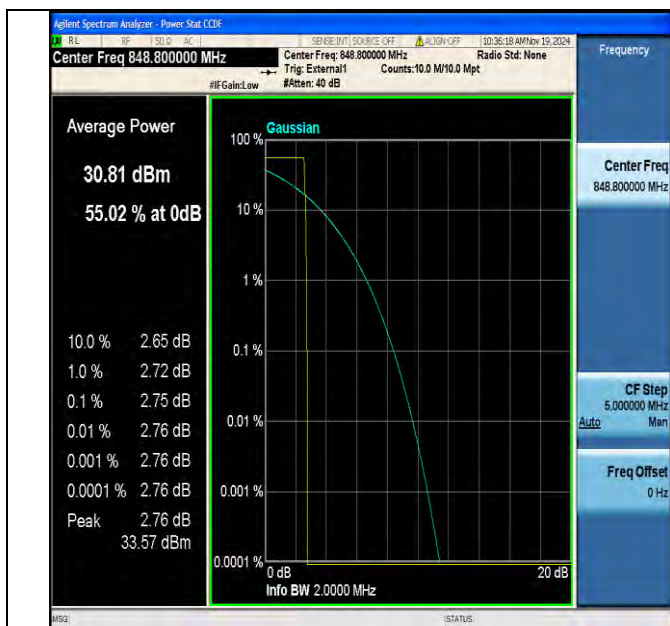
APPENDIX A1: PEAK TO AVERAGE RATIO

GSM 850& PCS 1900:

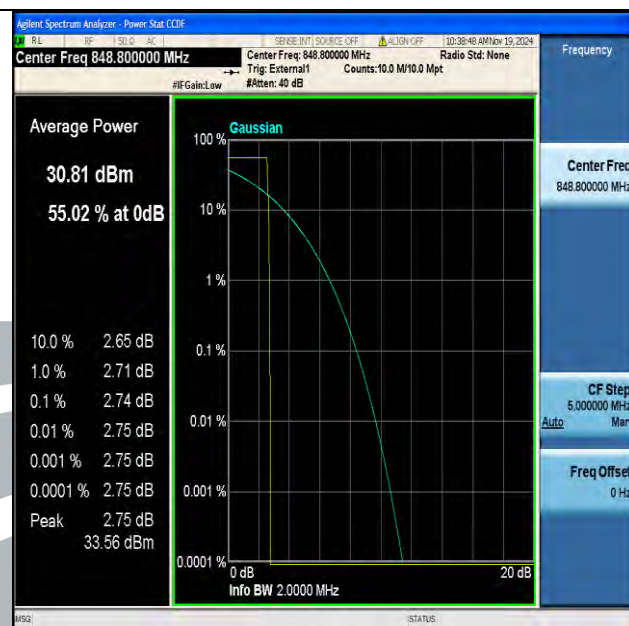
Band	Channel	Result (dB)	Limit (dB)	Verdict
GSM850	128	2.70	13	PASS
GPRS850	128	2.70	13	PASS
GSM850	190	2.72	13	PASS
GPRS850	190	2.72	13	PASS
GSM850	251	2.75	13	PASS
GPRS850	251	2.74	13	PASS
EGPRS850	128	5.67	13	PASS
EGPRS850	190	5.70	13	PASS
EGPRS850	251	5.73	13	PASS
GSM1900	512	2.79	13	PASS
GPRS1900	512	2.79	13	PASS
GSM1900	661	2.76	13	PASS
GPRS1900	661	2.76	13	PASS
GSM1900	810	2.79	13	PASS
GPRS1900	810	2.80	13	PASS
EGPRS1900	512	5.56	13	PASS
EGPRS1900	661	5.57	13	PASS
EGPRS1900	810	5.60	13	PASS
CDMA BC0	1013	4.68	13	PASS
CDMA BC0	384	4.60	13	PASS
CDMA BC0	777	5.20	13	PASS

Test Graphs





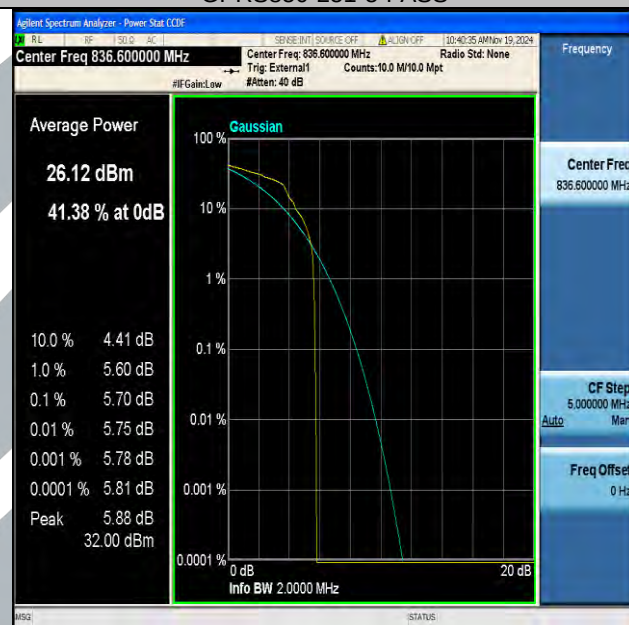
GSM850-251-5-PASS



GPRS850-251-5-PASS



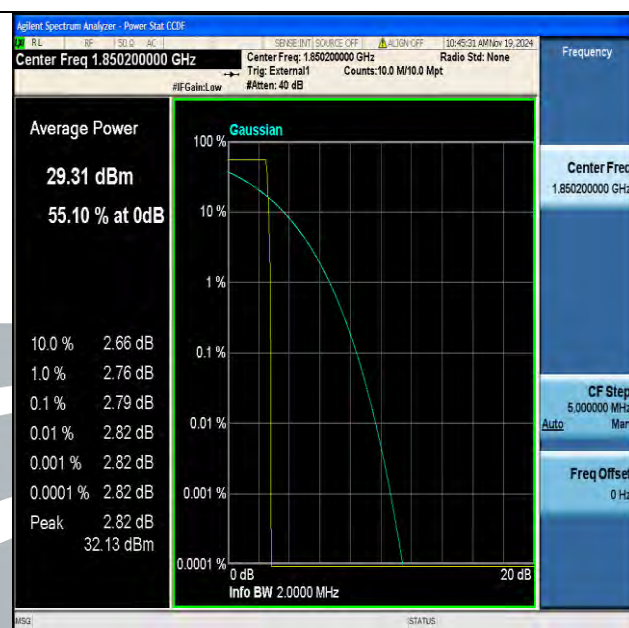
EGPRS850-128-8-PASS



EGPRS850-190-8-PASS



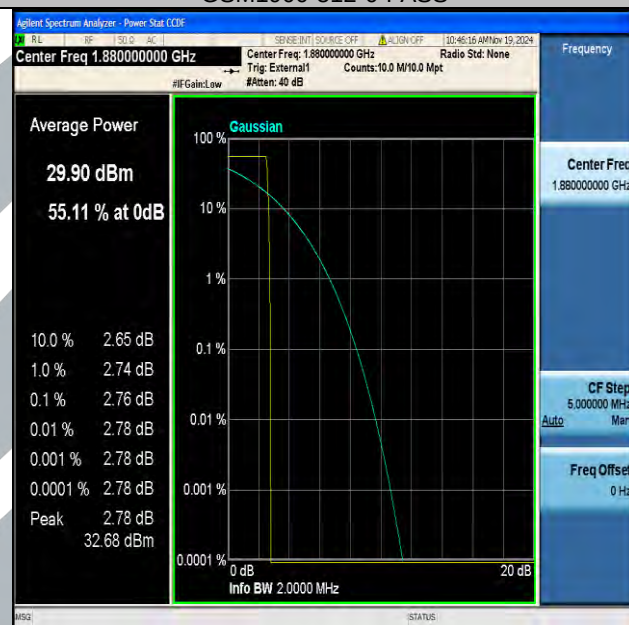
EGPRS850-251-8-PASS



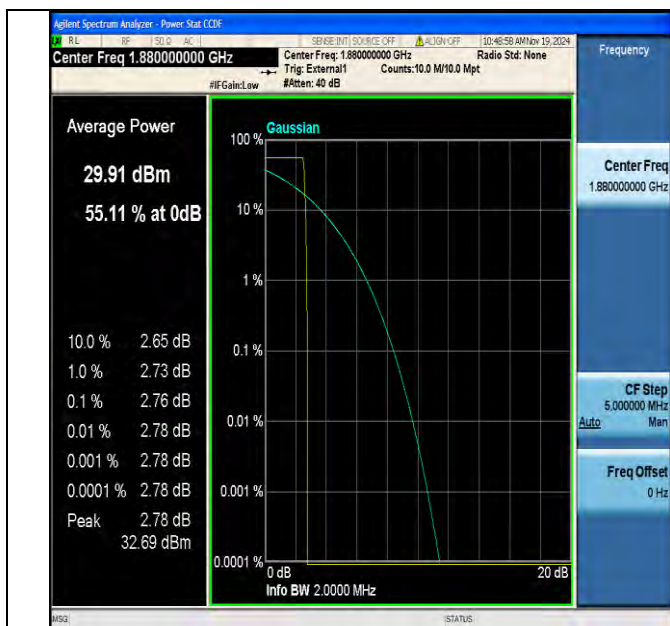
GSM1900-512-0-PASS



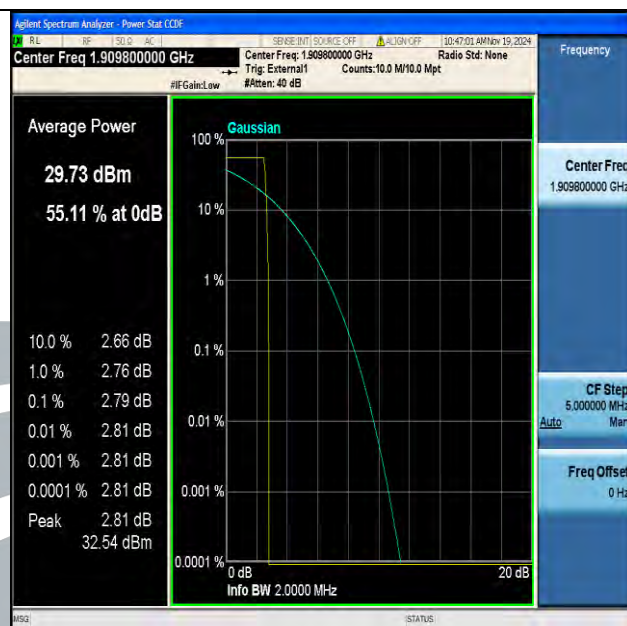
GPRS1900-512-0-PASS



GSM1900-661-0-PASS



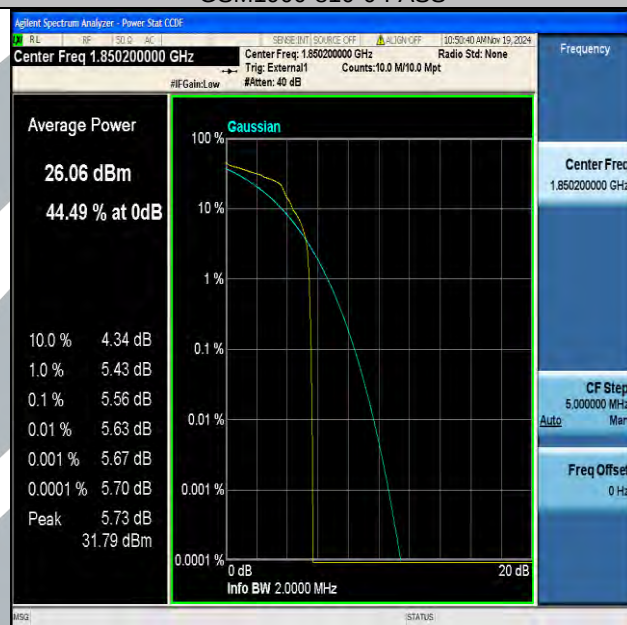
GPRS1900-661-0-PASS



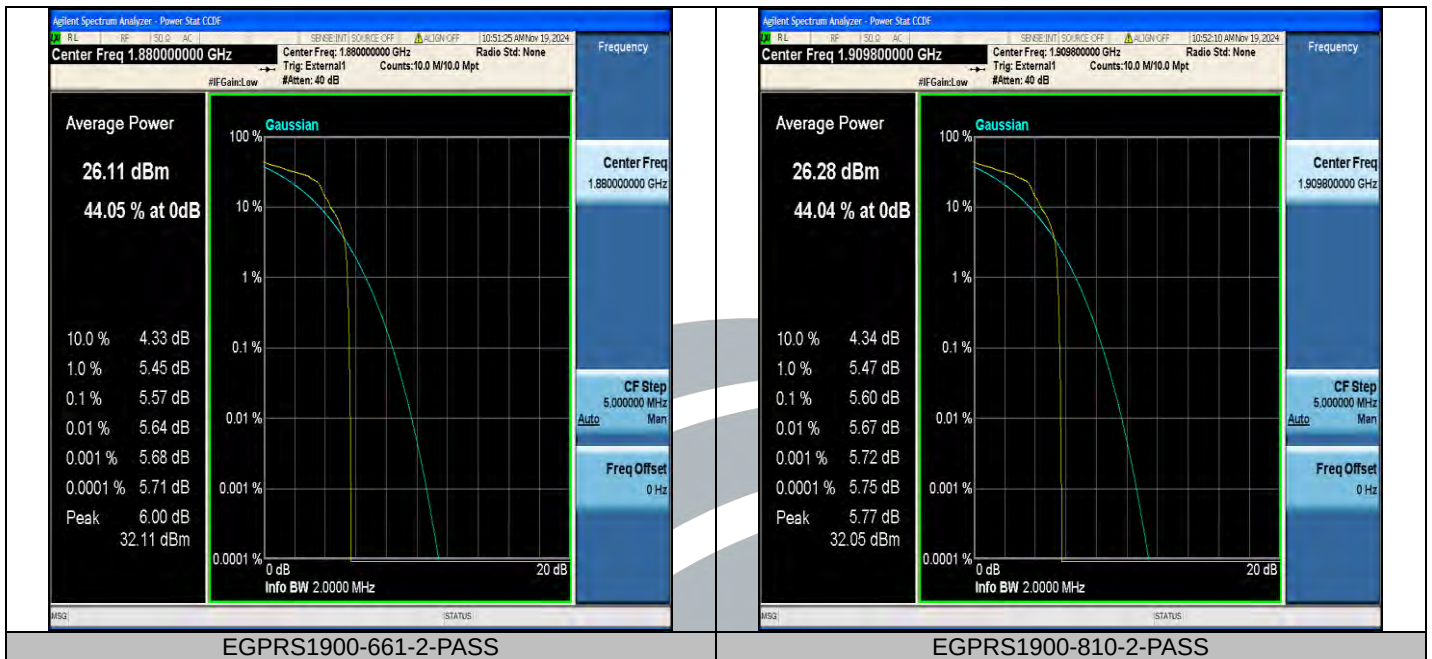
GSM1900-810-0-PASS



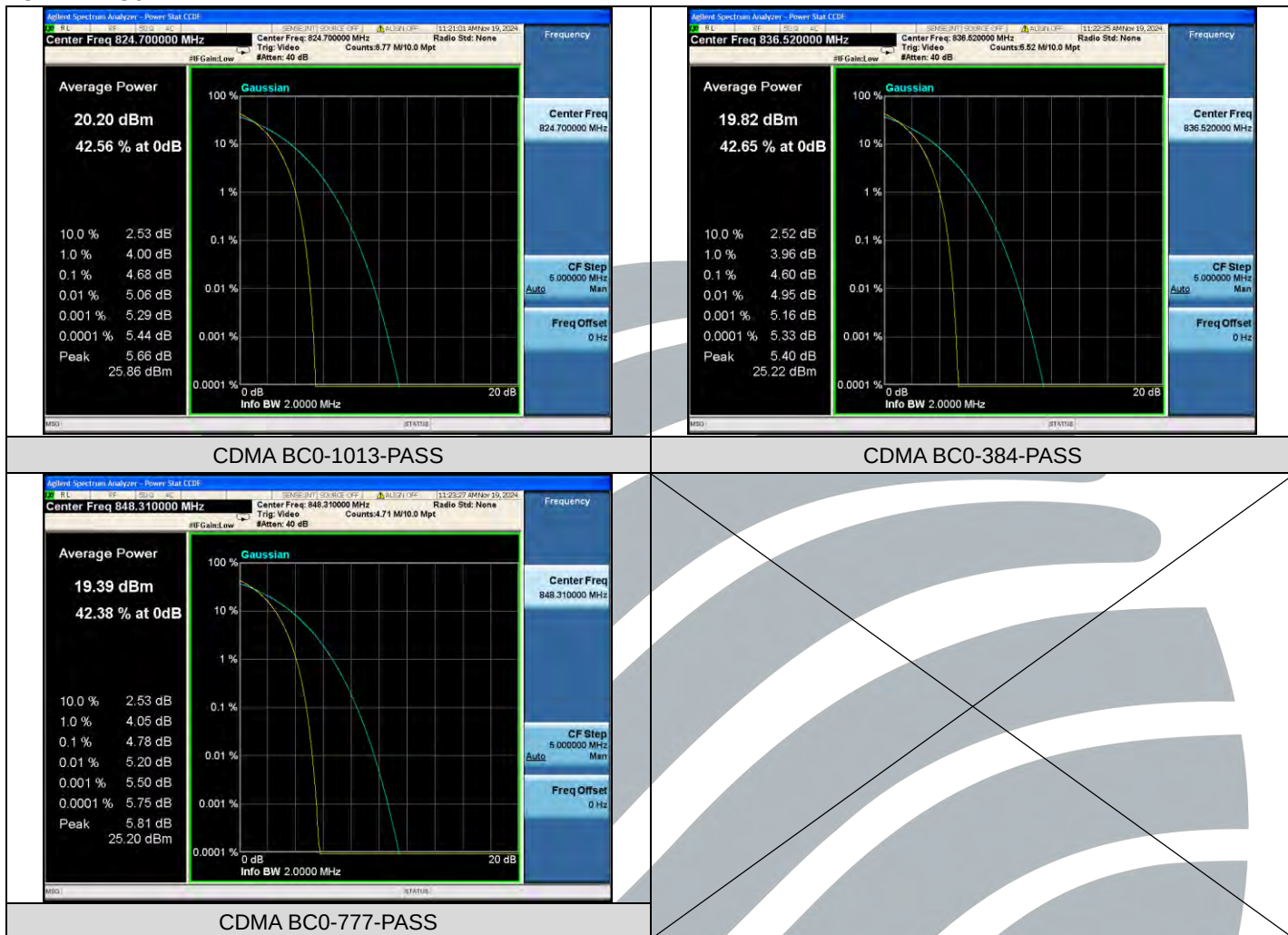
GPRS1900-810-0-PASS



EGPRS1900-512-2-PASS



CDMA BC0:

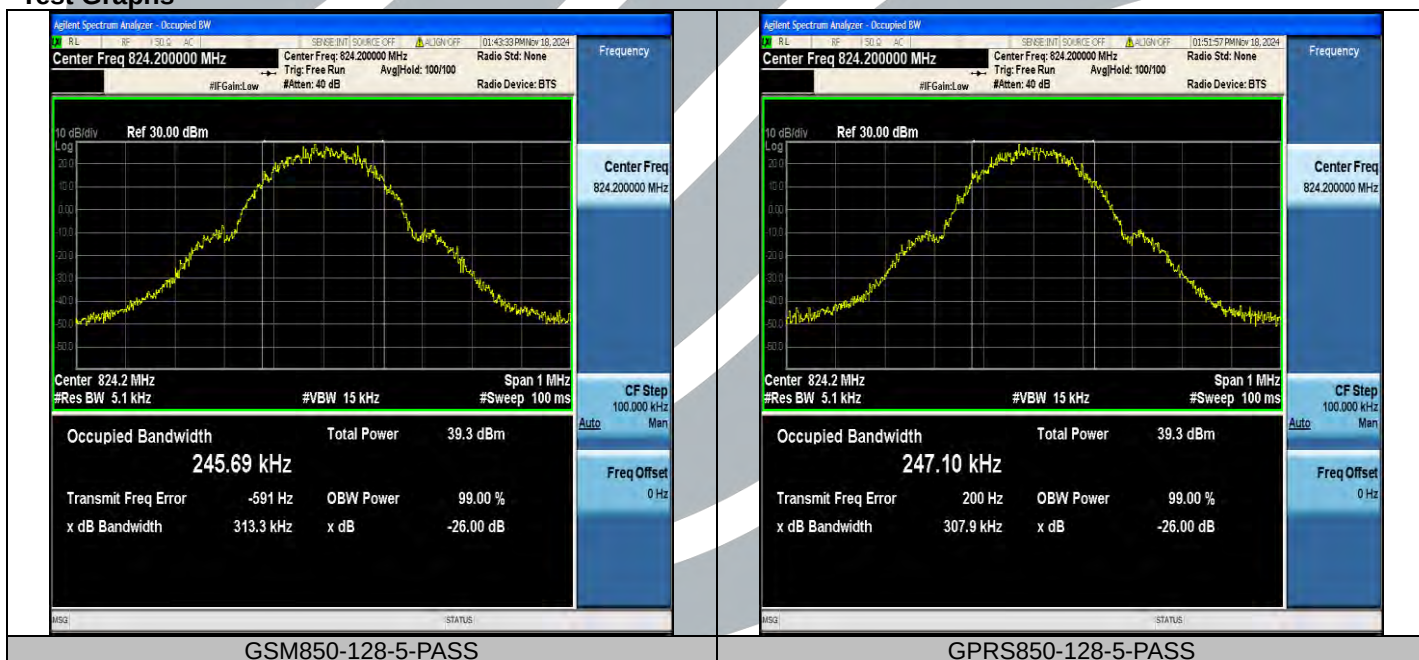


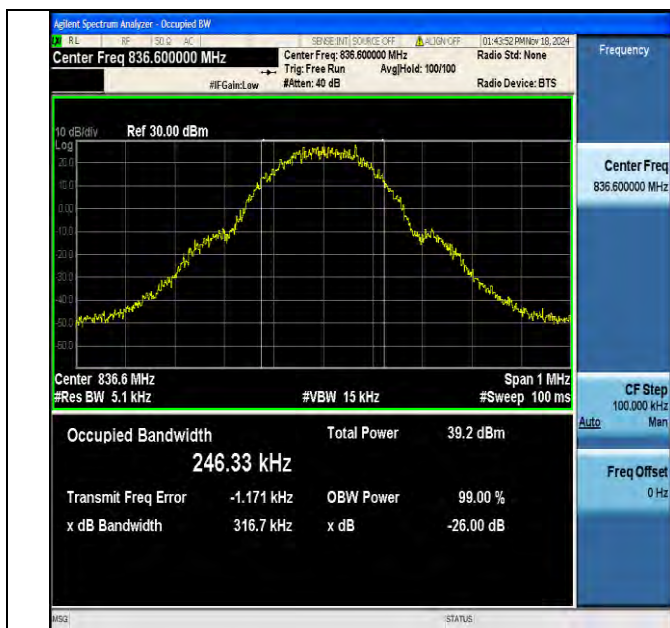
APPENDIX A2: 26DB BANDWIDTH AND OCCUPIED BANDWIDTH

GSM 850& PCS 1900:

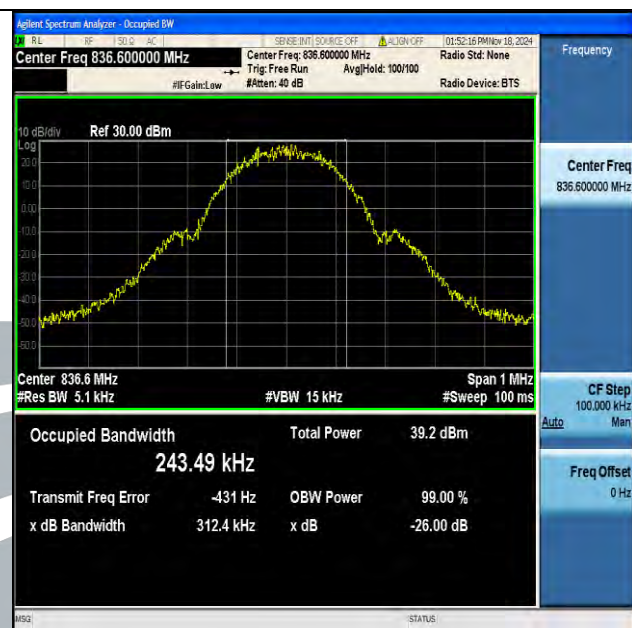
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.24569	0.3133	---	PASS
GPRS850	128	0.24710	0.3079	---	PASS
GSM850	190	0.24633	0.3167	---	PASS
GPRS850	190	0.24349	0.3124	---	PASS
GSM850	251	0.24529	0.3113	---	PASS
GPRS850	251	0.24456	0.3141	---	PASS
EGPRS850	128	0.24737	0.3067	---	PASS
EGPRS850	190	0.24807	0.3072	---	PASS
EGPRS850	251	0.24687	0.3108	---	PASS
GSM1900	512	0.24612	0.3134	---	PASS
GPRS1900	512	0.24527	0.3139	---	PASS
GSM1900	661	0.24320	0.3020	---	PASS
GPRS1900	661	0.24628	0.3139	---	PASS
GSM1900	810	0.24713	0.3164	---	PASS
GPRS1900	810	0.24305	0.3101	---	PASS
EGPRS1900	512	0.24387	0.3061	---	PASS
EGPRS1900	661	0.24979	0.3087	---	PASS
EGPRS1900	810	0.24808	0.3126	---	PASS
CDMA BC0	1013	1.2767	1.441	---	PASS
CDMA BC0	384	1.2761	1.434	---	PASS
CDMA BC0	777	1.2814	1.441	---	PASS

Test Graphs

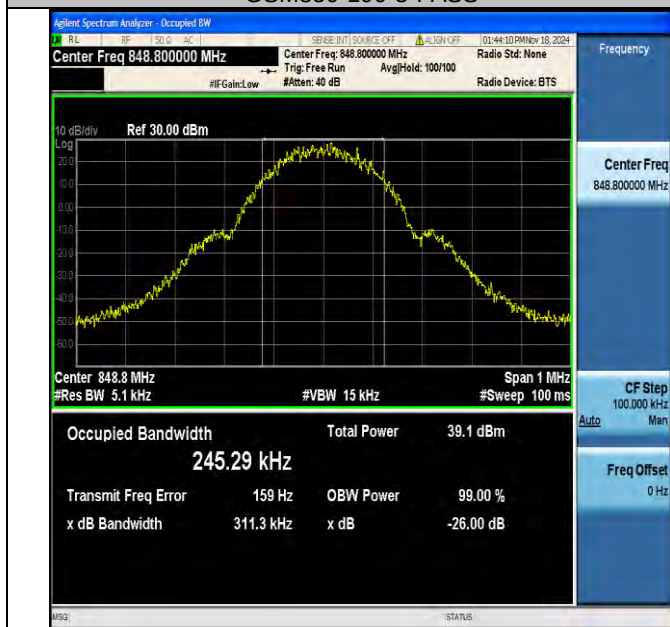




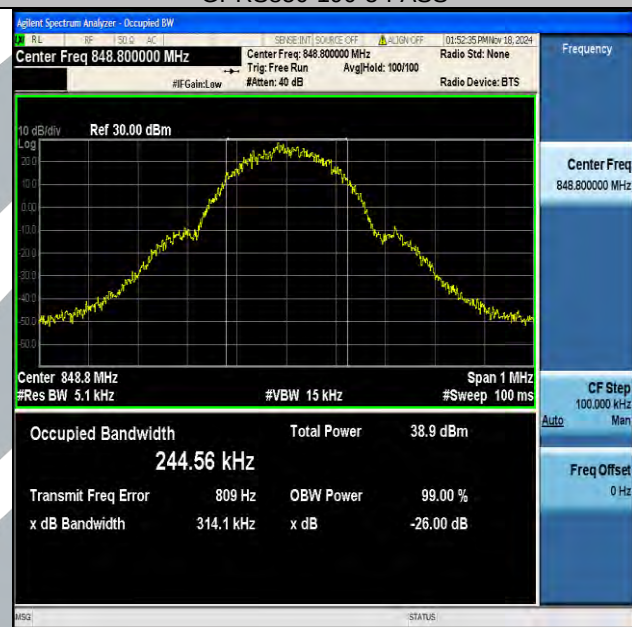
GSM850-190-5-PASS



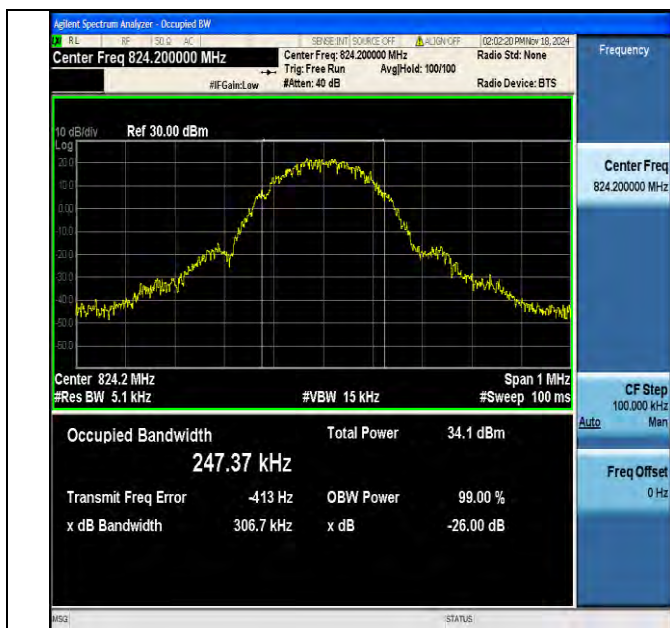
GPRS850-190-5-PASS



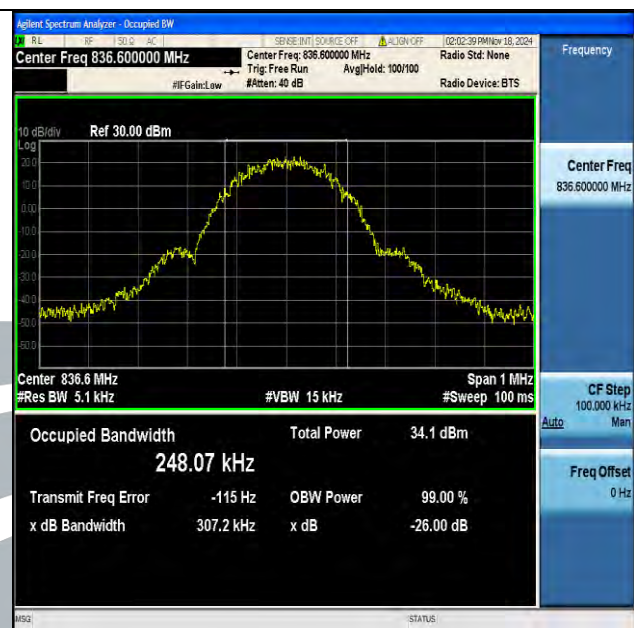
GSM850-251-5-PASS



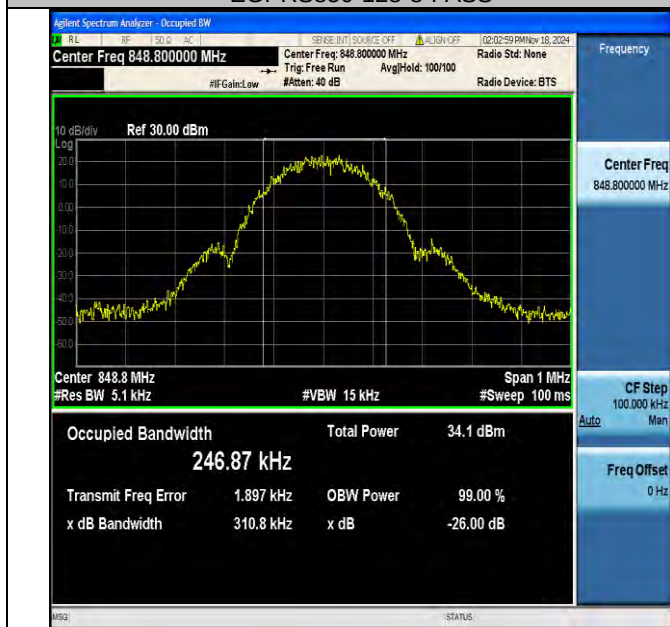
GPRS850-251-5-PASS



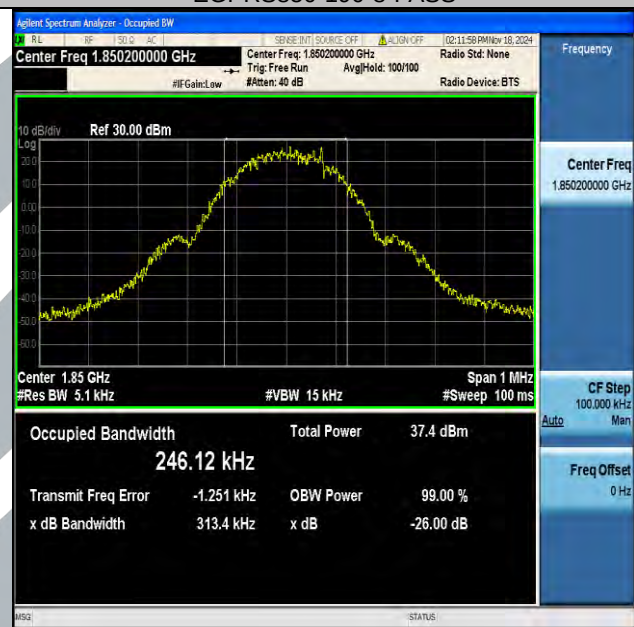
EGPRS850-128-8-PASS



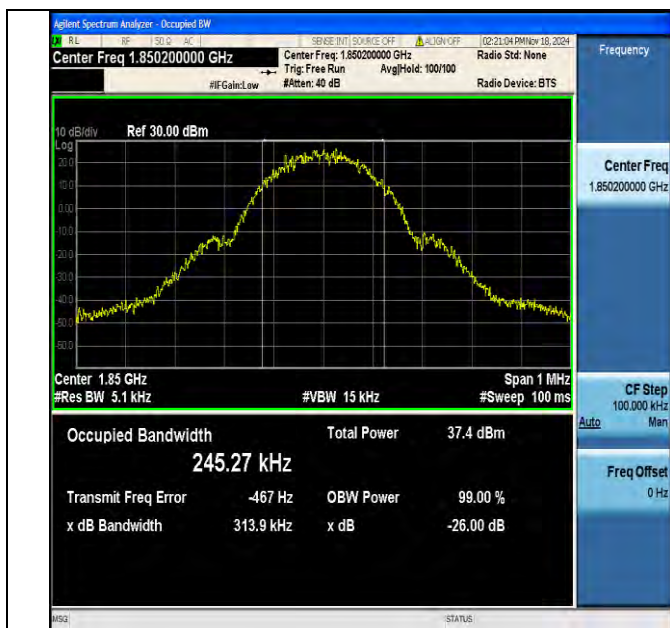
EGPRS850-190-8-PASS



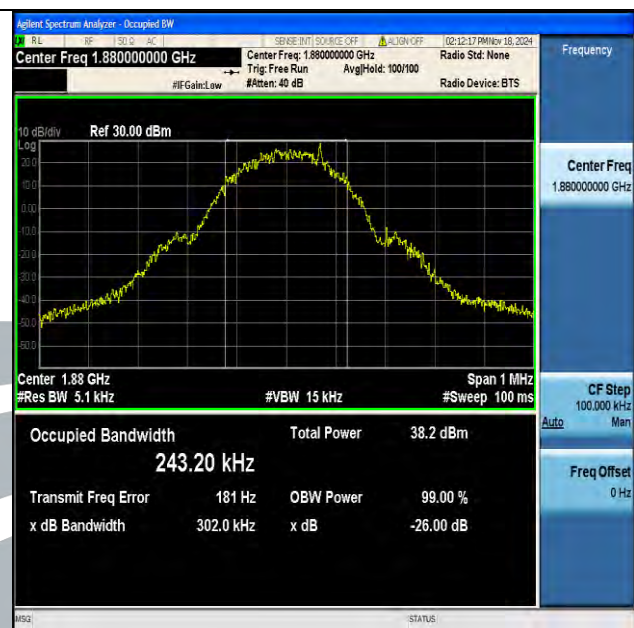
EGPRS850-251-8-PASS



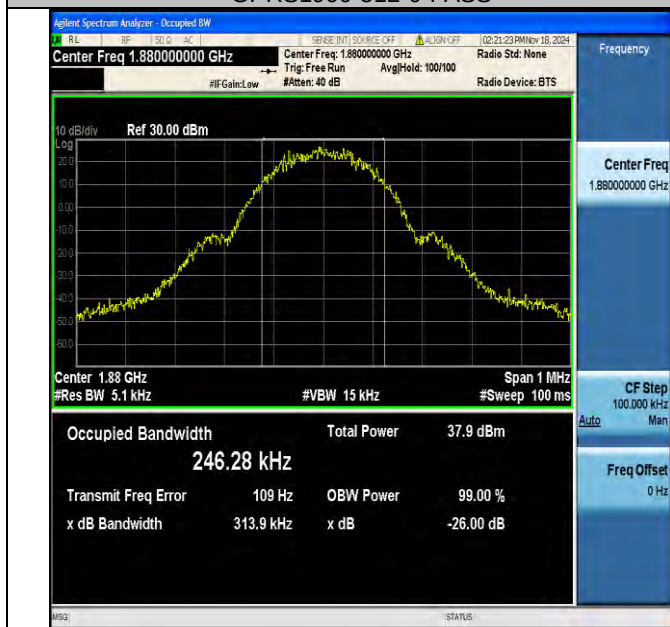
GSM1900-512-0-PASS



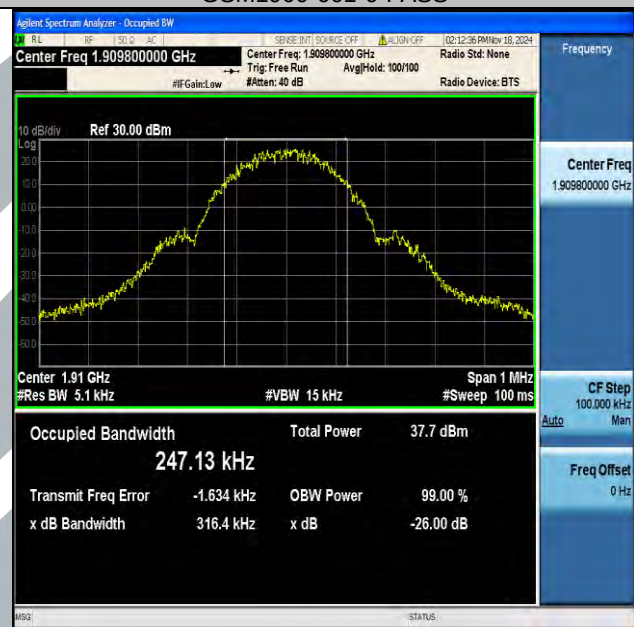
GPRS1900-512-0-PASS



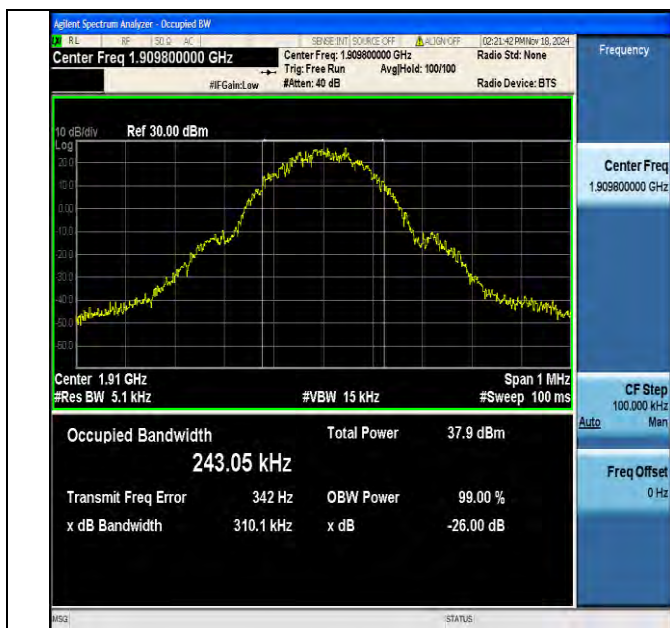
GSM1900-661-0-PASS



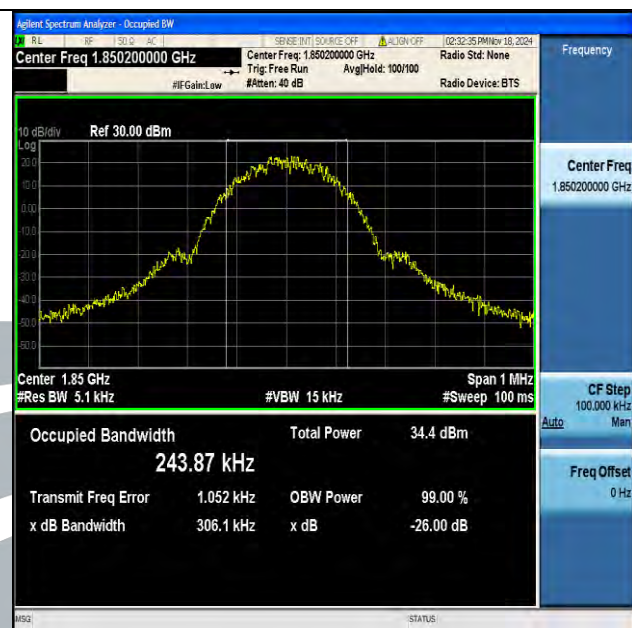
GPRS1900-661-0-PASS



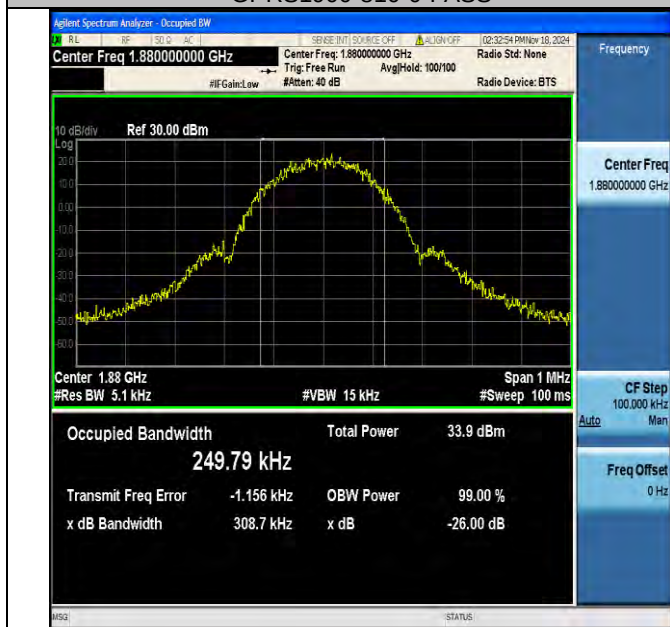
GSM1900-810-0-PASS



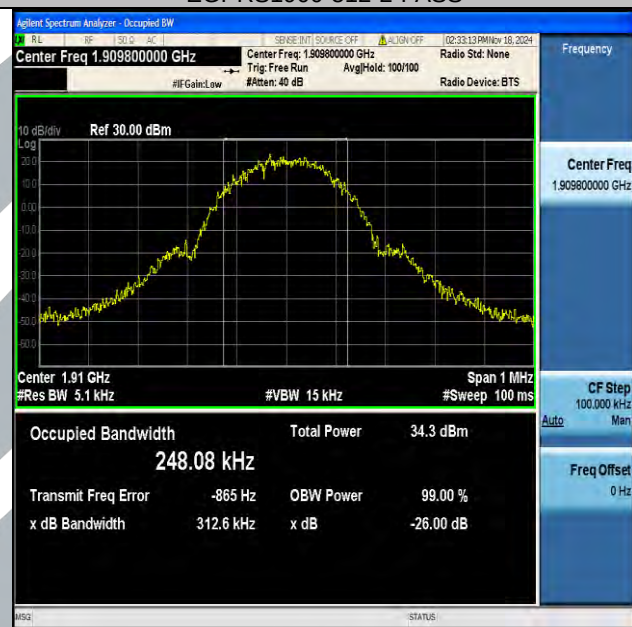
GPRS1900-810-0-PASS



EGPRS1900-512-2-PASS



EGPRS1900-661-2-PASS

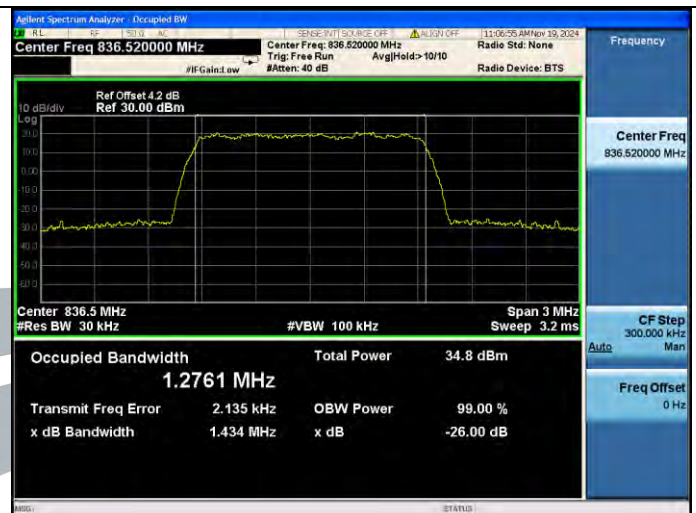


EGPRS1900-810-2-PASS

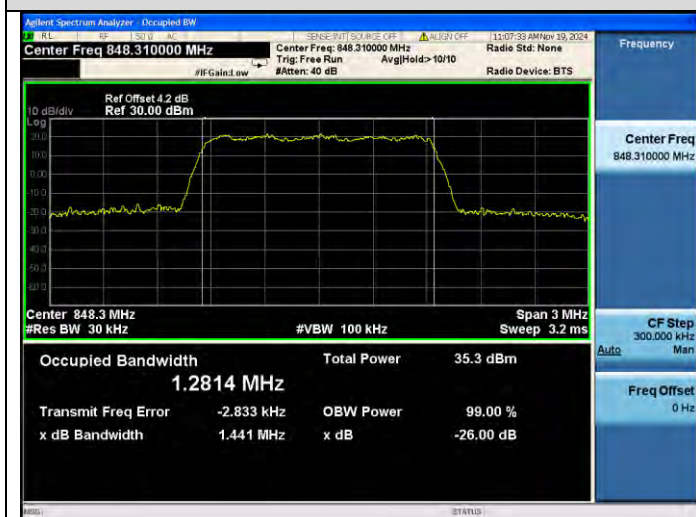
CDMA BC0:



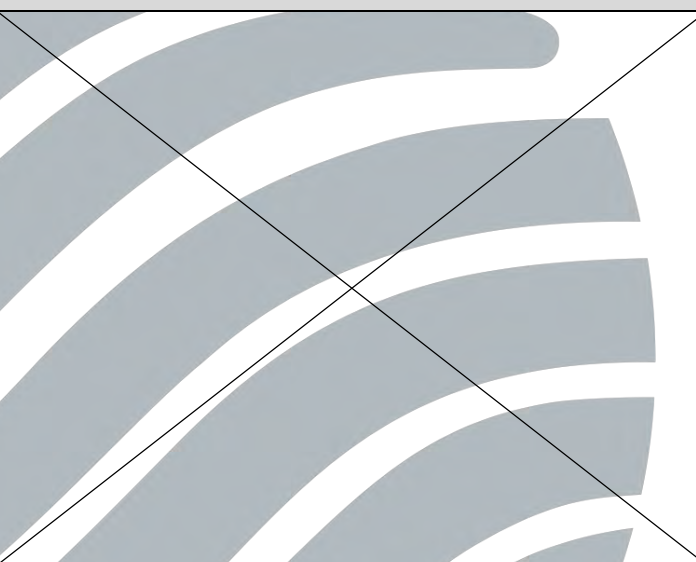
CDMA BC0-1013--PASS



CDMA BC0-384--PASS



CDMA BC0-777--PASS

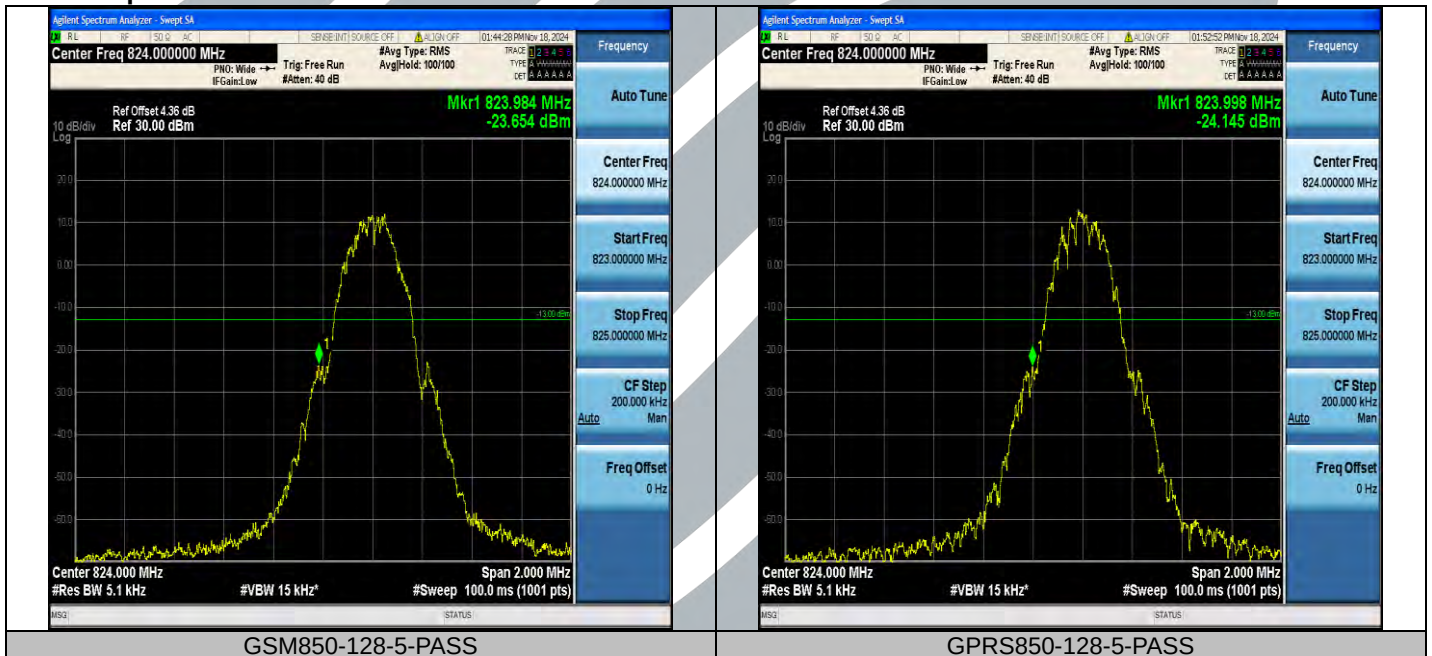


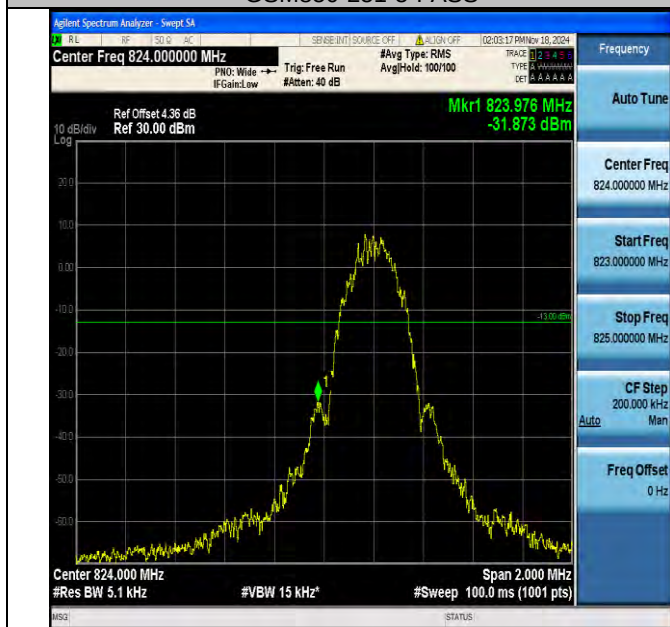
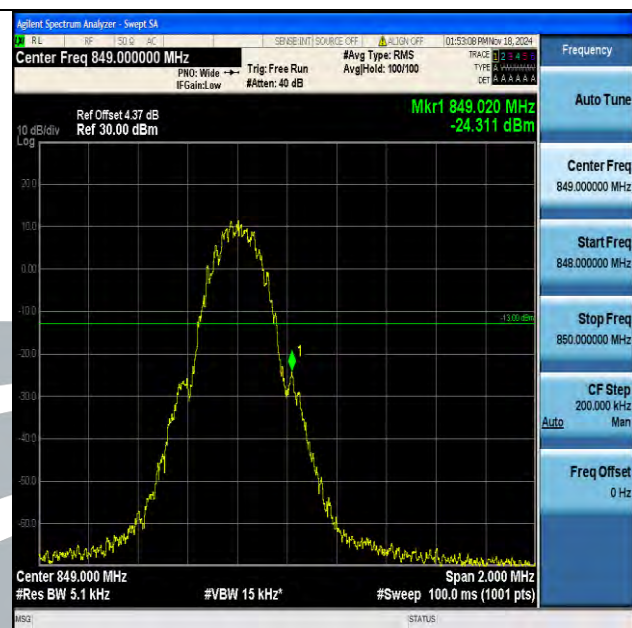
APPENDIX A3: BAND EDGE

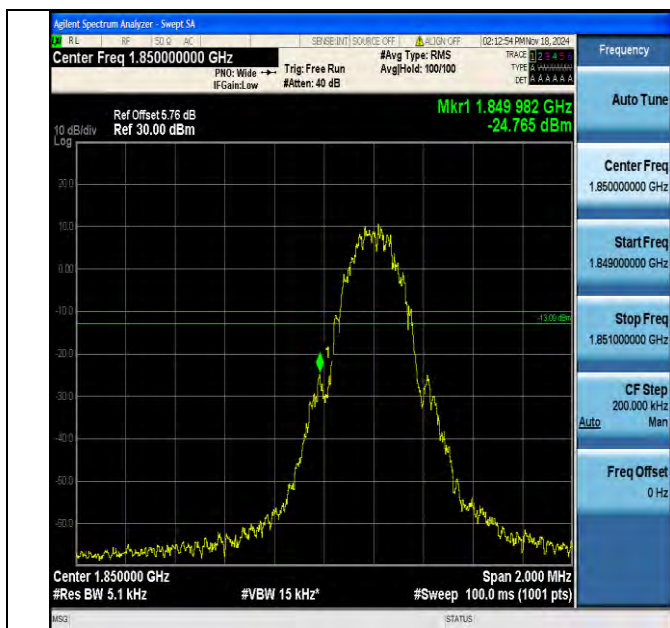
GSM 850& PCS 1900:

Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	823.98	-23.65	-13	PASS
GPRS850	128	824.00	-24.15	-13	PASS
GSM850	251	849.02	-23.57	-13	PASS
GPRS850	251	849.02	-24.31	-13	PASS
EGPRS850	128	823.98	-31.87	-13	PASS
EGPRS850	251	849.03	-32.58	-13	PASS
GSM1900	512	1849.98	-24.77	-13	PASS
GPRS1900	512	1849.98	-26.08	-13	PASS
GSM1900	810	1910.02	-25.66	-13	PASS
GPRS1900	810	1910.02	-24.89	-13	PASS
EGPRS1900	512	1849.99	-32.81	-13	PASS
EGPRS1900	810	1910.01	-32.90	-13	PASS
CDMA BC0	1013	823.976	-29.99	-13	PASS
CDMA BC0	777	849.015	-14.14	-13	PASS

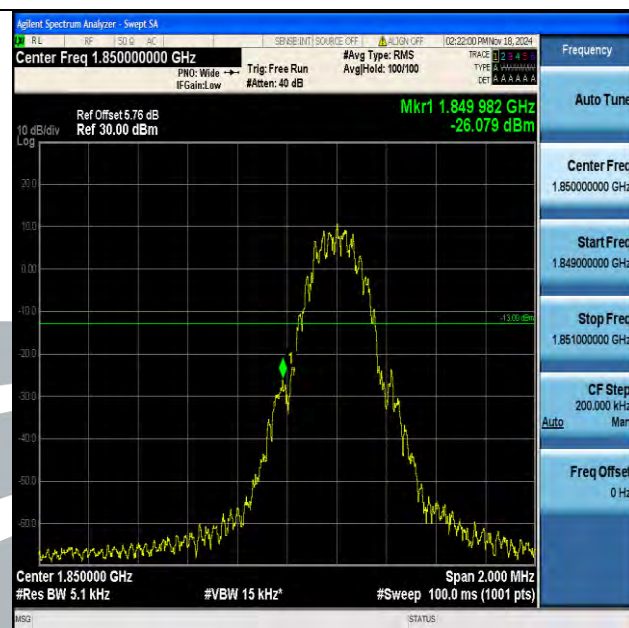
Test Graphs



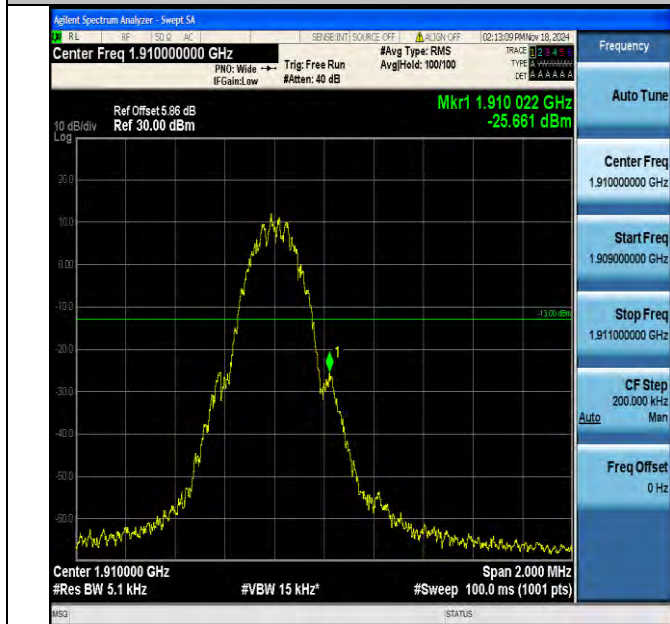




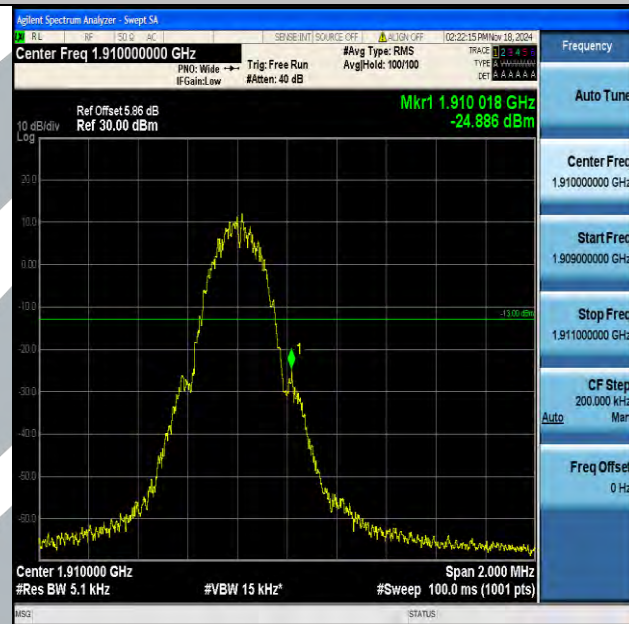
GSM1900-512-0-PASS



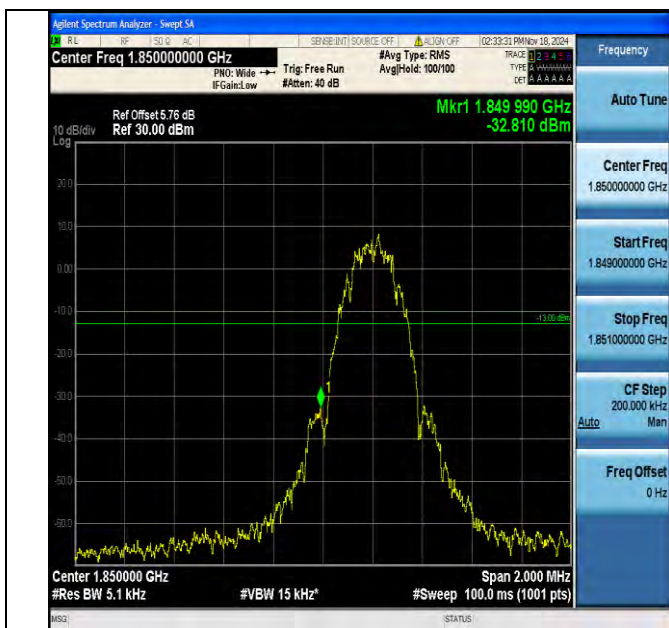
GPRS1900-512-0-PASS



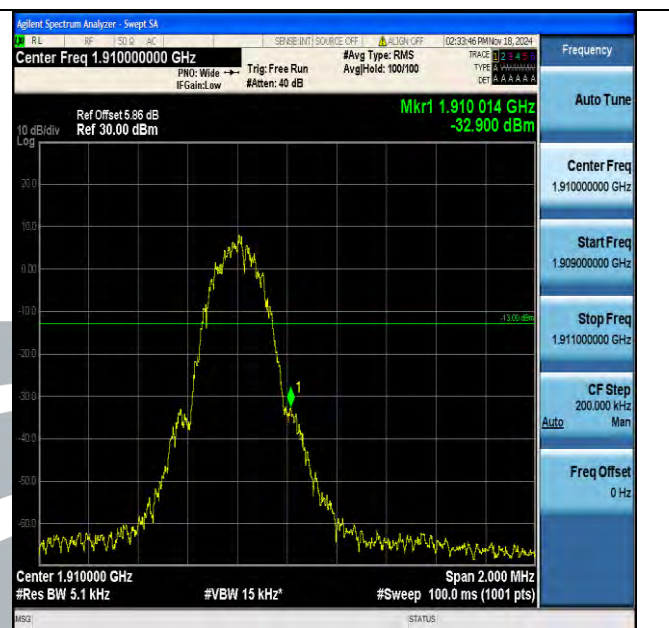
GSM1900-810-0-PASS



GPRS1900-810-0-PASS

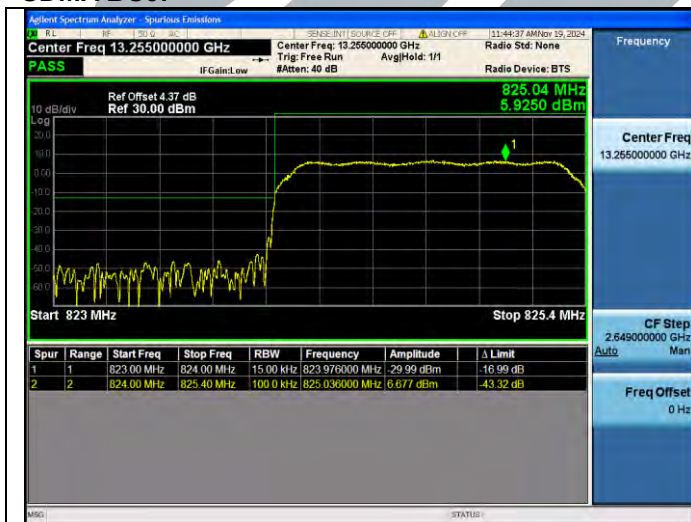


EGPRS1900-512-2-PASS

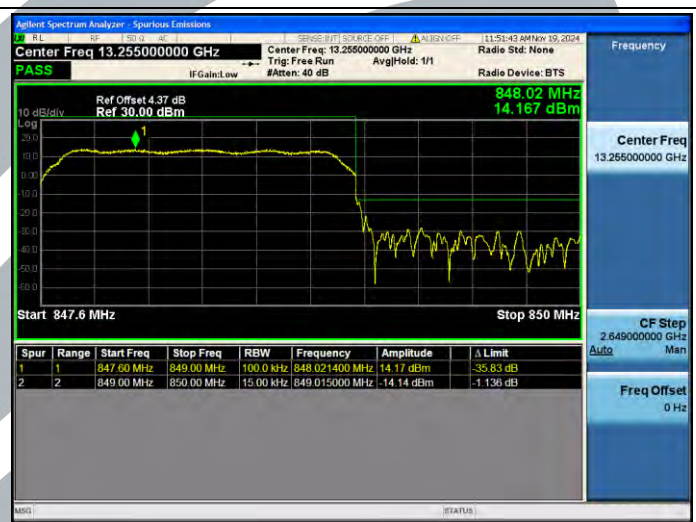


EGPRS1900-810-2-PASS

CDMA BC0:



CDMA BC0-1013-PASS



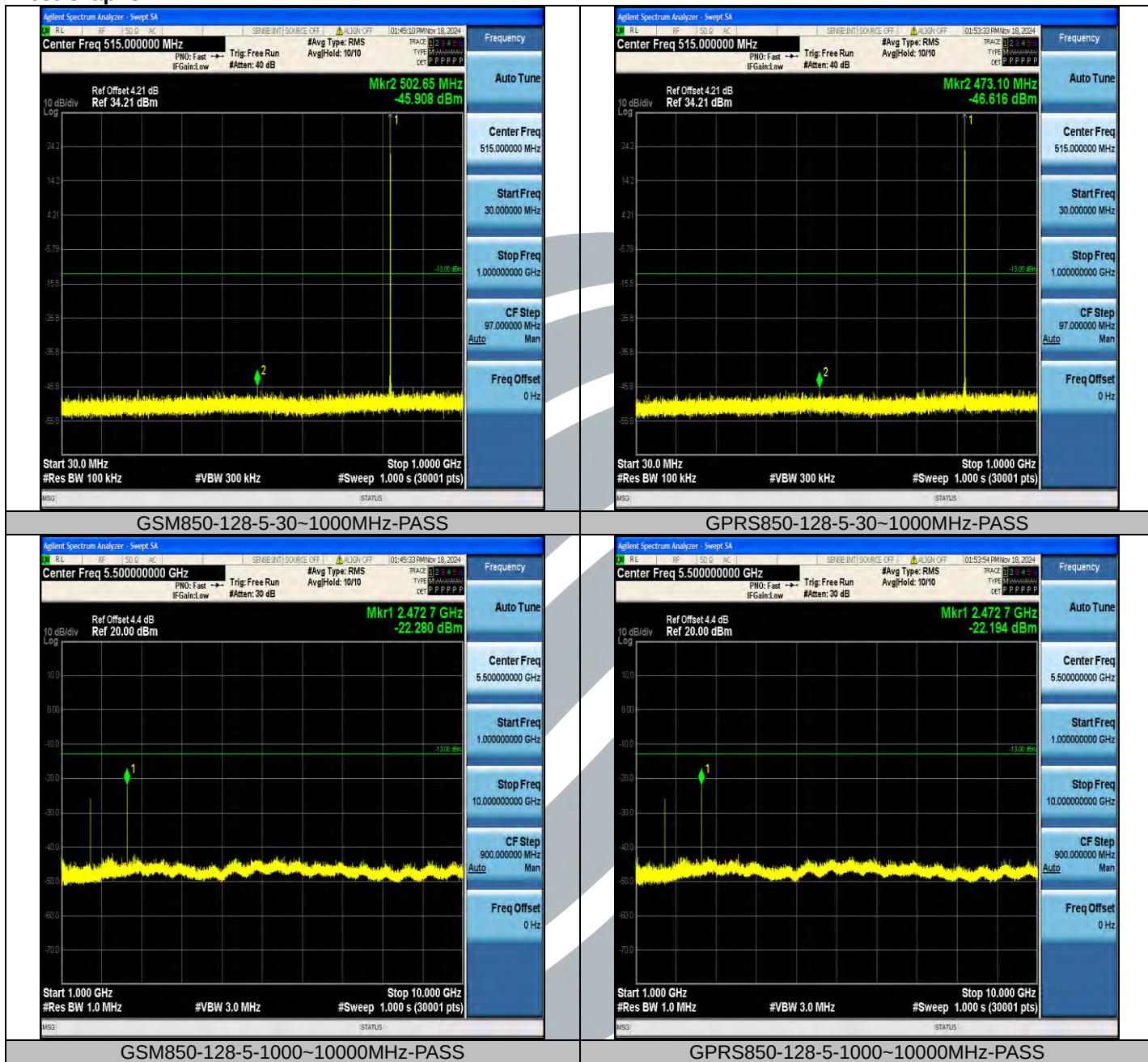
CDMA BC0-777-PASS

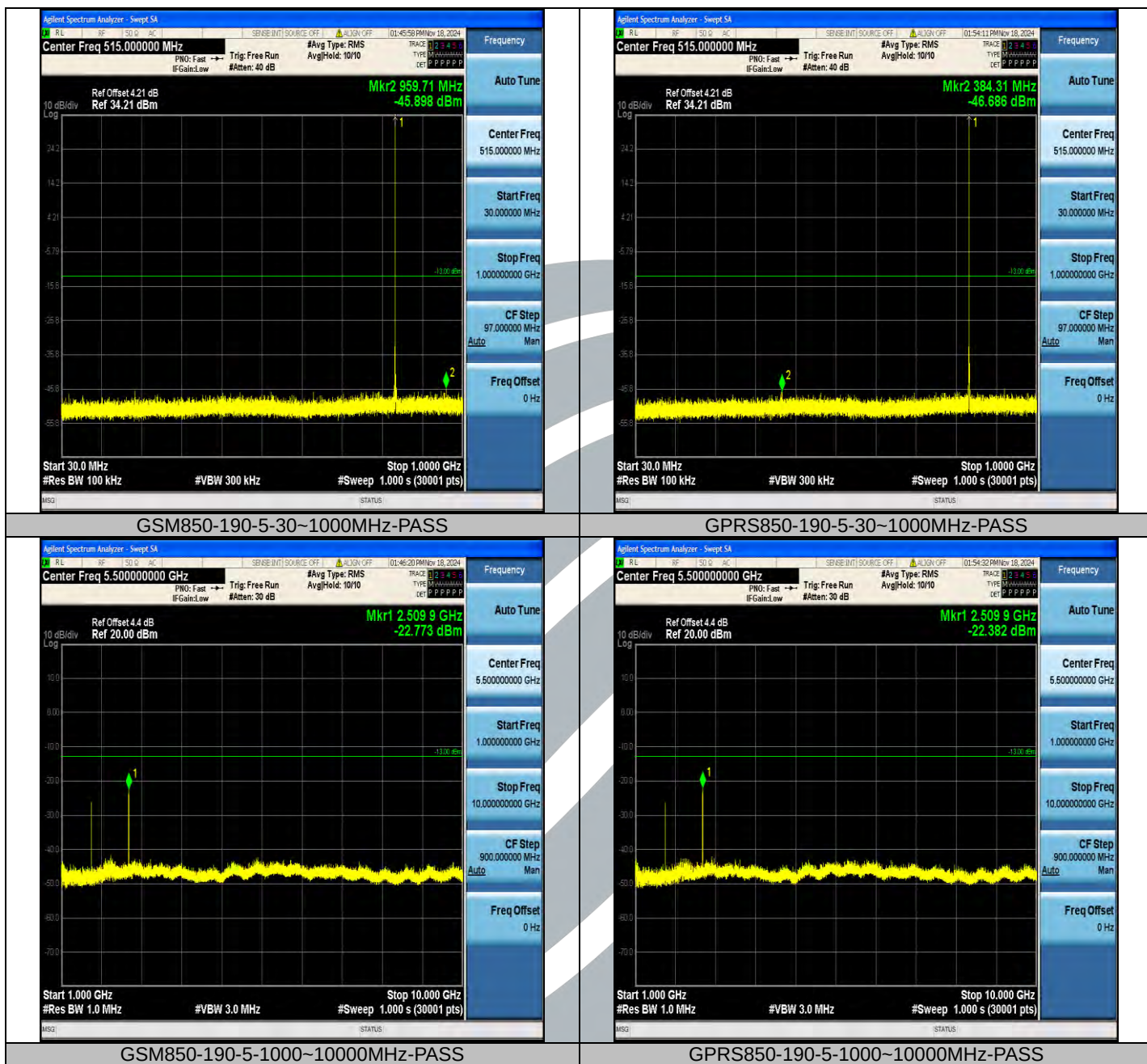
APPENDIX A4: CONDUCTED SPURIOUS EMISSION

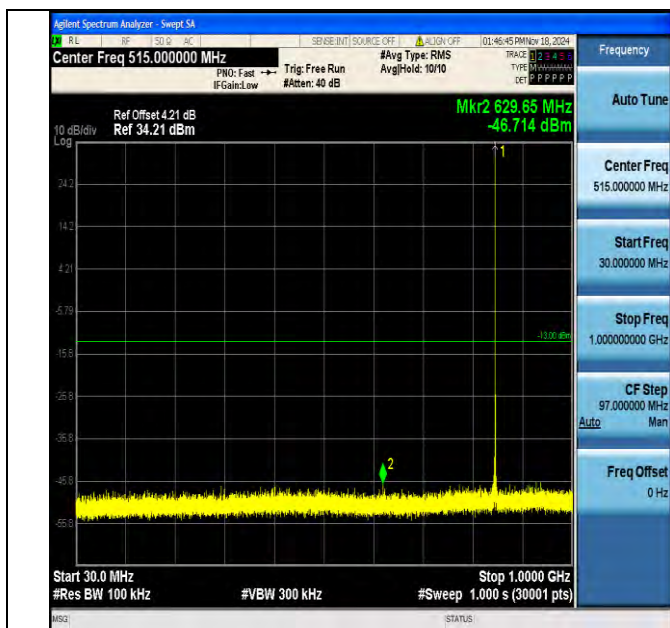
GSM 850& PCS 1900:

Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM850	128	30~1000MHz	502.65	-45.91	-13	PASS
GPRS850	128	30~1000MHz	473.1	-46.62	-13	PASS
GSM850	128	1000~10000MHz	2472.7	-22.28	-13	PASS
GPRS850	128	1000~10000MHz	2472.7	-22.19	-13	PASS
GSM850	190	30~1000MHz	959.71	-45.9	-13	PASS
GPRS850	190	30~1000MHz	384.31	-46.69	-13	PASS
GSM850	190	1000~10000MHz	2509.9	-22.77	-13	PASS
GPRS850	190	1000~10000MHz	2509.9	-22.38	-13	PASS
GSM850	251	30~1000MHz	629.65	-46.71	-13	PASS
GPRS850	251	30~1000MHz	455.83	-46.07	-13	PASS
GSM850	251	1000~10000MHz	1697.5	-27.68	-13	PASS
GPRS850	251	1000~10000MHz	2546.5	-24.17	-13	PASS
EGPRS850	128	30~1000MHz	709.45	-46.2	-13	PASS
EGPRS850	128	1000~10000MHz	1648.6	-31.23	-13	PASS
EGPRS850	190	30~1000MHz	938.66	-46.62	-13	PASS
EGPRS850	190	1000~10000MHz	2509.6	-29.13	-13	PASS
EGPRS850	251	30~1000MHz	547.46	-45.91	-13	PASS
EGPRS850	251	1000~10000MHz	2546.5	-28.45	-13	PASS
GSM1900	512	30~1000MHz	896.34	-44.78	-13	PASS
GPRS1900	512	30~1000MHz	817.25	-44.93	-13	PASS
GSM1900	512	1000~3000MHz	2752.4	-26.7	-13	PASS
GPRS1900	512	1000~3000MHz	2900.2	-26.89	-13	PASS
GSM1900	512	3000~18000MHz	16317	-36.99	-13	PASS
GPRS1900	512	3000~18000MHz	16719.5	-36.91	-13	PASS
GSM1900	661	30~1000MHz	925.05	-44.54	-13	PASS
GPRS1900	661	30~1000MHz	940.44	-45.08	-13	PASS
GSM1900	661	1000~3000MHz	2618.73	-26.93	-13	PASS
GPRS1900	661	1000~3000MHz	2733.27	-26.94	-13	PASS
GSM1900	661	3000~18000MHz	16550.5	-37.56	-13	PASS
GPRS1900	661	3000~18000MHz	16416.5	-36.77	-13	PASS
GSM1900	810	30~1000MHz	435.95	-45.52	-13	PASS
GPRS1900	810	30~1000MHz	938.79	-44.66	-13	PASS
GSM1900	810	1000~3000MHz	2656.27	-26.86	-13	PASS
GPRS1900	810	1000~3000MHz	2522.33	-27.16	-13	PASS
GSM1900	810	3000~18000MHz	16315	-36.94	-13	PASS
GPRS1900	810	3000~18000MHz	16442	-37.1	-13	PASS
EGPRS1900	512	30~1000MHz	788.12	-45.6	-13	PASS
EGPRS1900	512	1000~3000MHz	2658.33	-26.99	-13	PASS
EGPRS1900	512	3000~18000MHz	16555	-36.72	-13	PASS
EGPRS1900	661	30~1000MHz	341.95	-45.74	-13	PASS
EGPRS1900	661	1000~3000MHz	2635.73	-27.08	-13	PASS
EGPRS1900	661	3000~18000MHz	16307	-36.04	-13	PASS
EGPRS1900	810	30~1000MHz	822.52	-45.66	-13	PASS
EGPRS1900	810	1000~3000MHz	2631.6	-27.26	-13	PASS
EGPRS1900	810	3000~18000MHz	15960	-36.84	-13	PASS
CDMA BC0	1013	30~1000MHz	426.2	-58.88	-13	PASS
CDMA BC0	1013	1000~10000MHz	3299.95	-31.32	-13	PASS
CDMA BC0	384	30~1000MHz	409.8	-56.47	-13	PASS
CDMA BC0	384	1000~10000MHz	3346.75	-34.79	-13	PASS
CDMA BC0	777	30~1000MHz	534.4	-56.54	-13	PASS
CDMA BC0	777	1000~10000MHz	3392.56	-34.70	-13	PASS

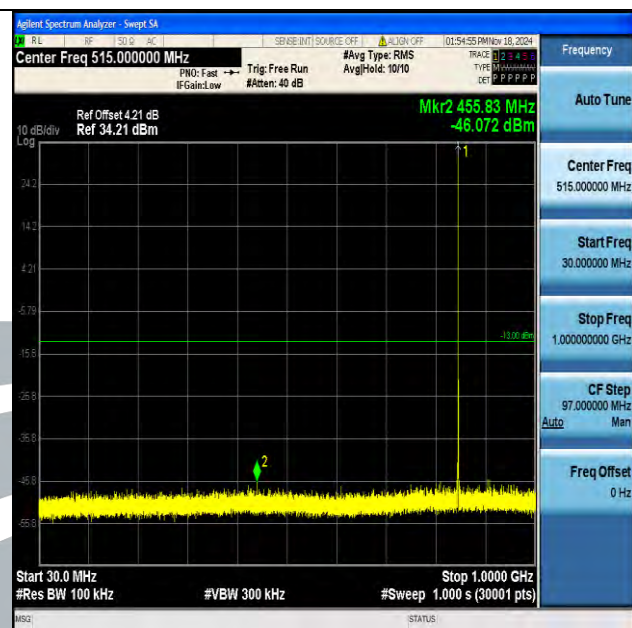
Test Graphs



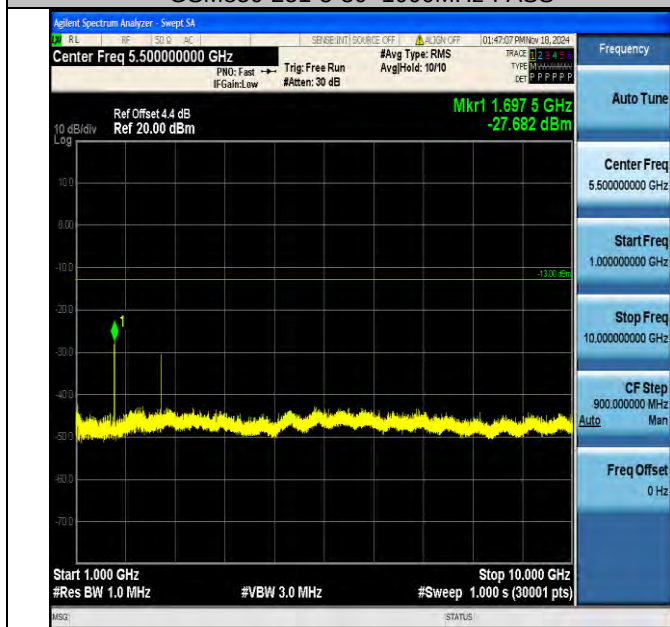




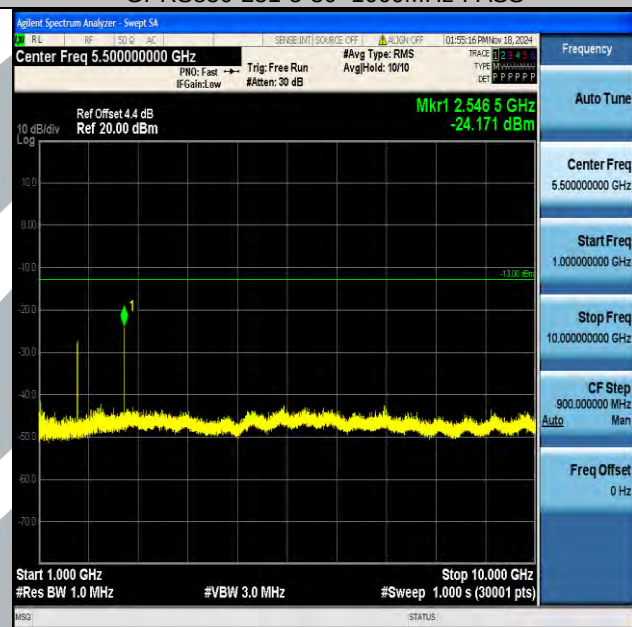
GSM850-251-5-30~1000MHz-PASS



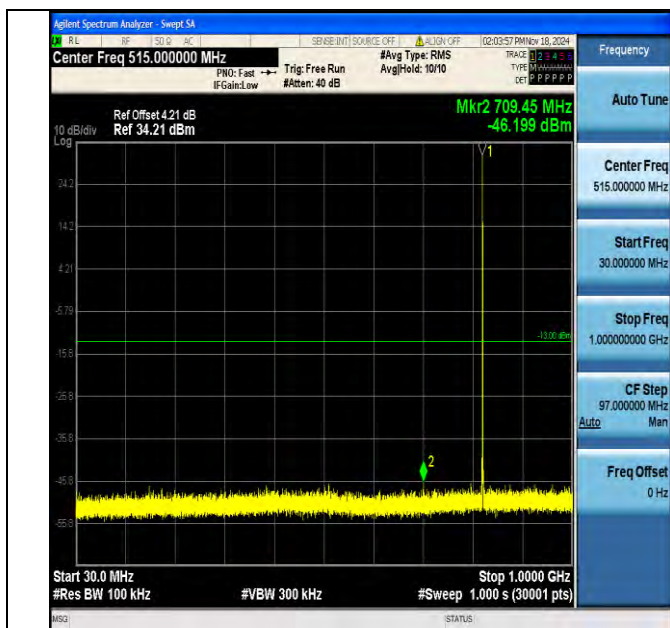
GPRS850-251-5-30~1000MHz-PASS



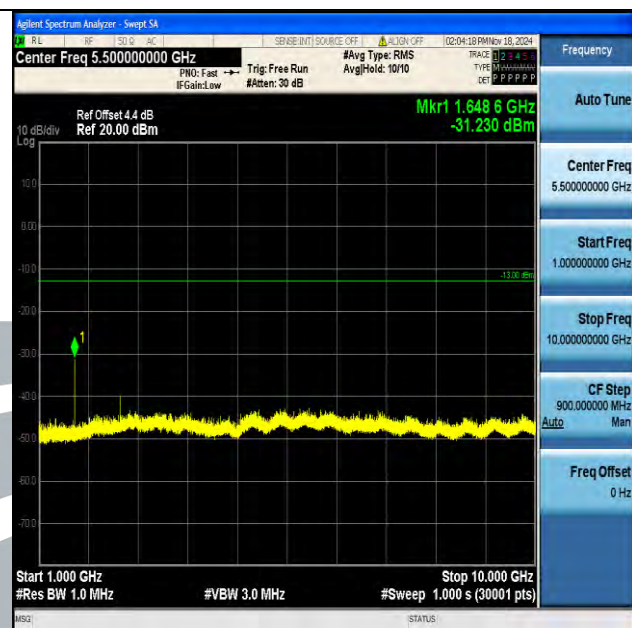
GSM850-251-5-1000~10000MHz-PASS



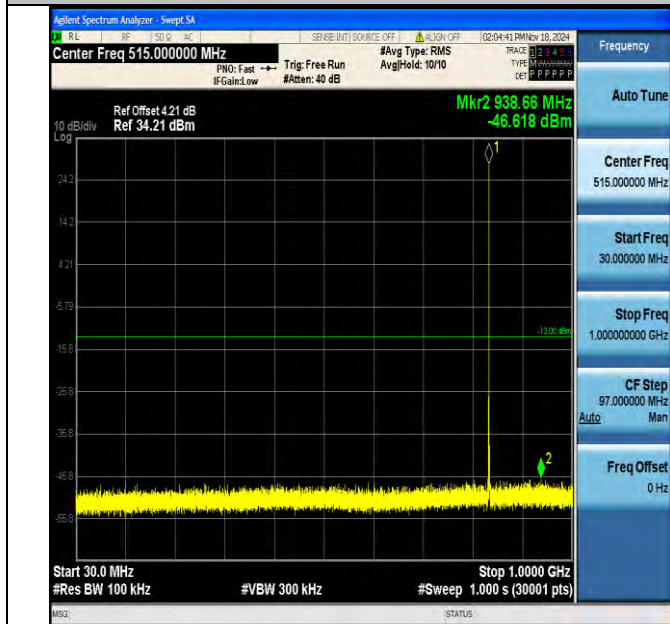
GPRS850-251-5-1000~10000MHz-PASS



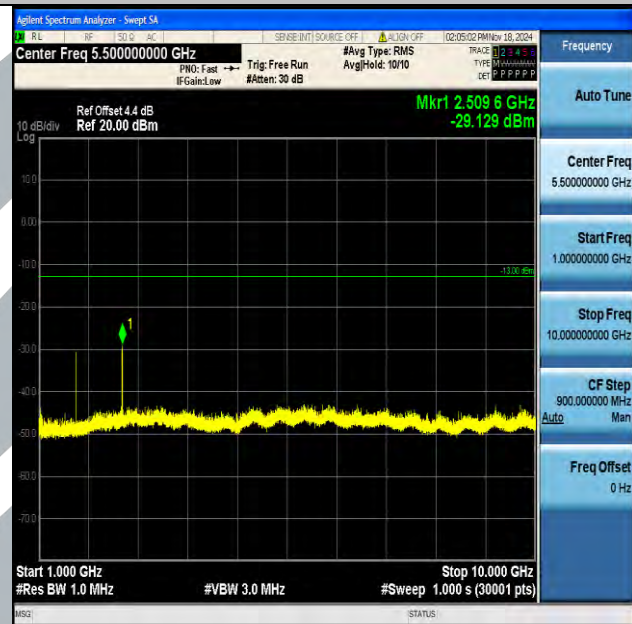
EGPRS850-128-8-30~1000MHz-PASS



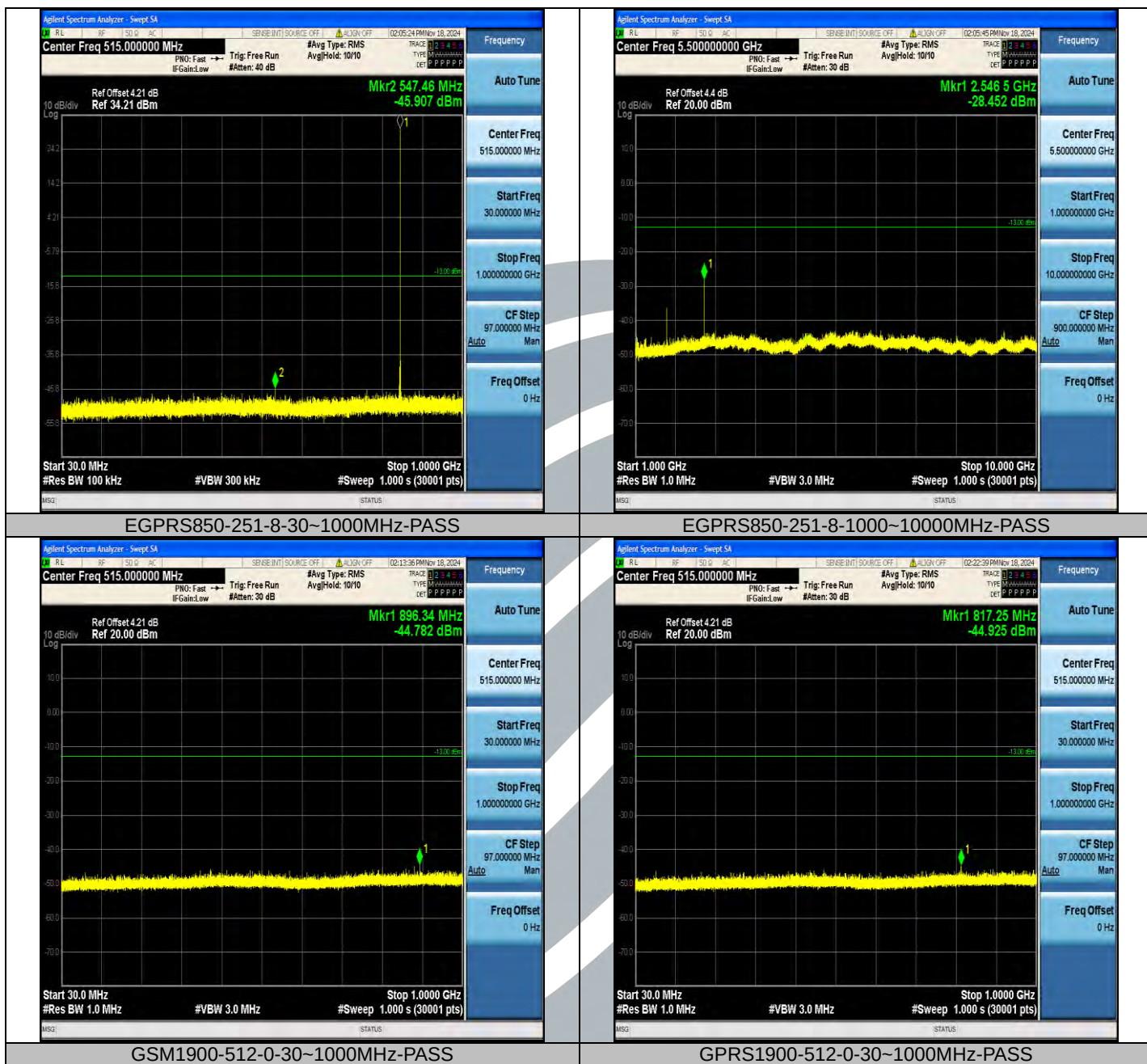
EGPRS850-128-8-1000~10000MHz-PASS

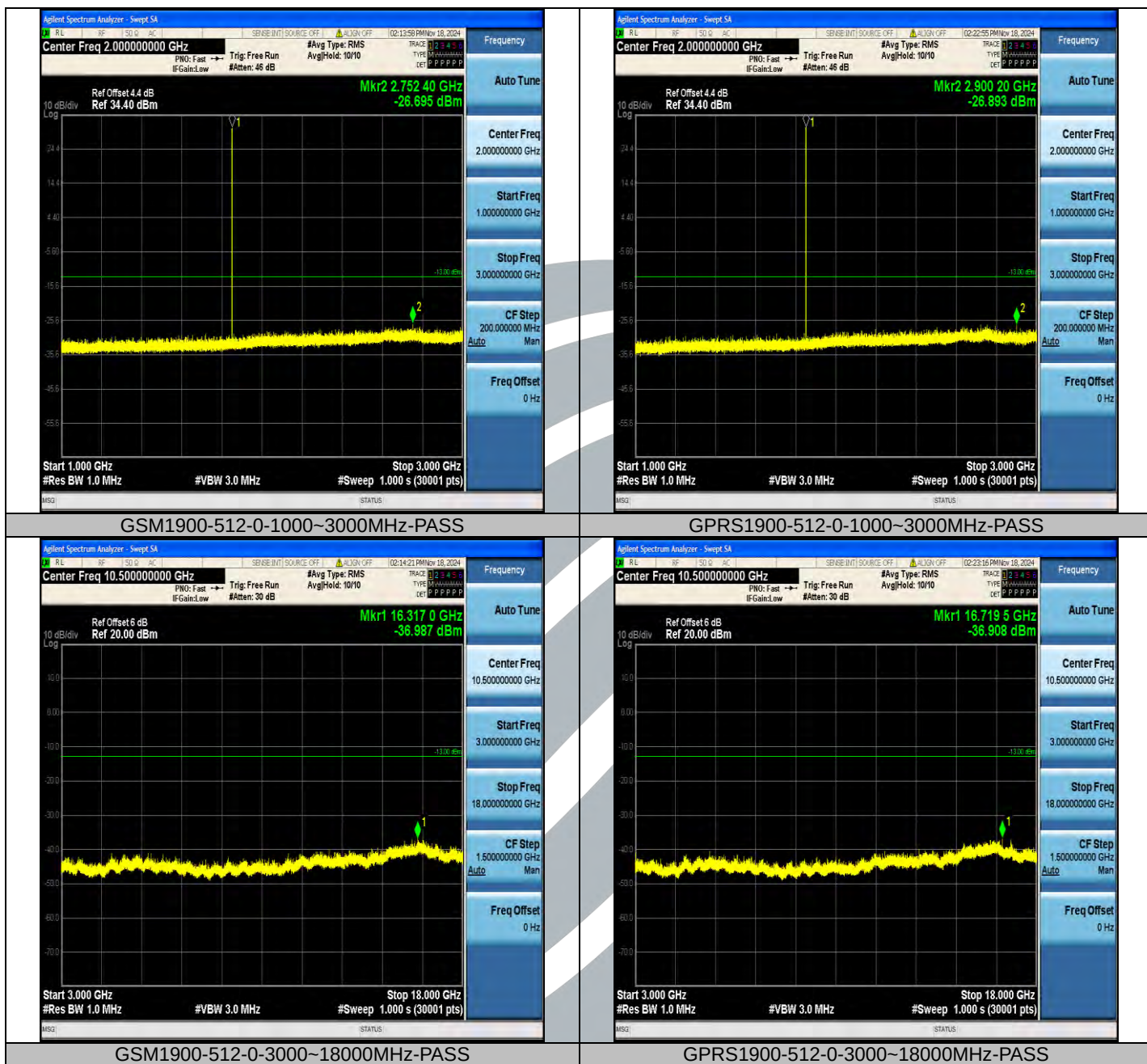


EGPRS850-190-8-30~1000MHz-PASS



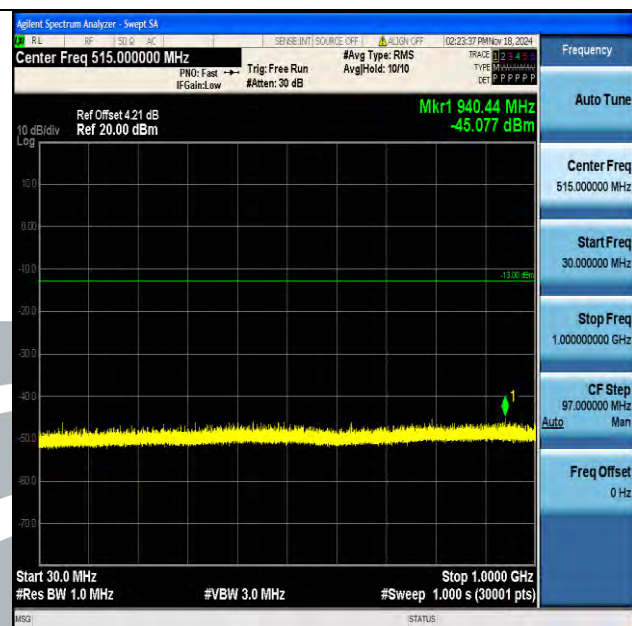
EGPRS850-190-8-1000~10000MHz-PASS



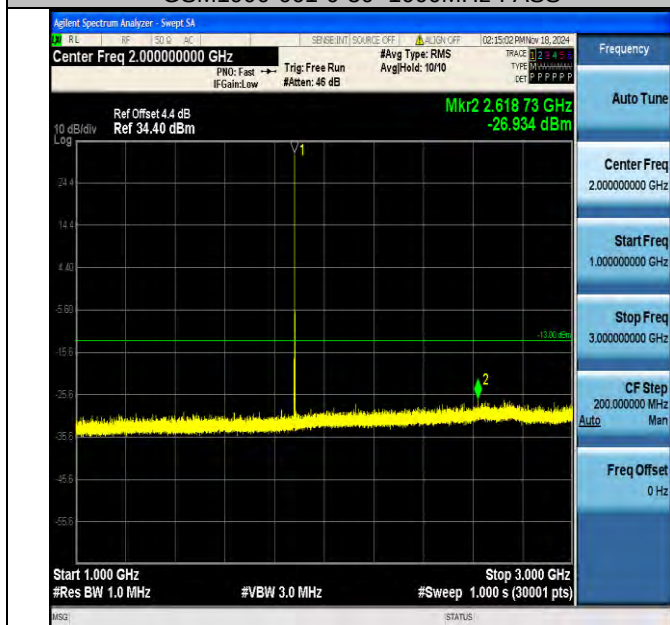




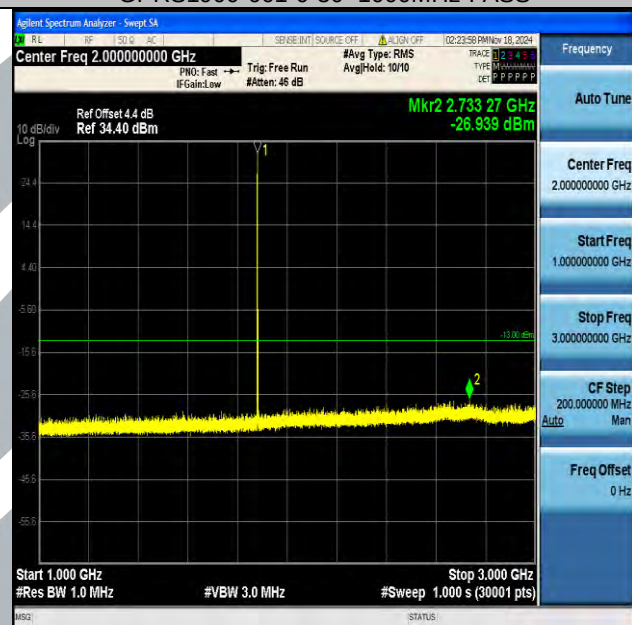
GSM1900-661-0-30~1000MHz-PASS



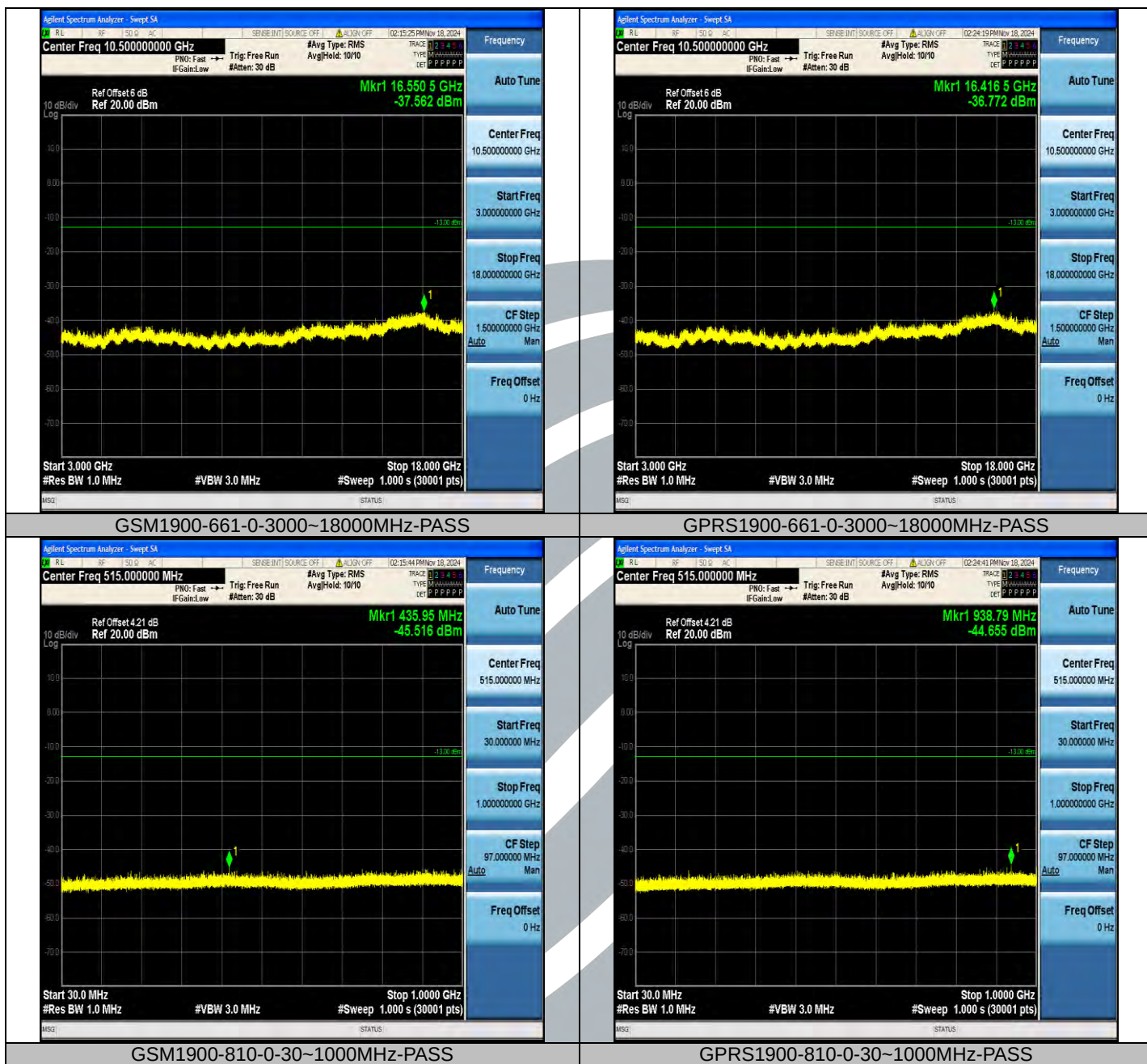
GPRS1900-661-0-30~1000MHz-PASS

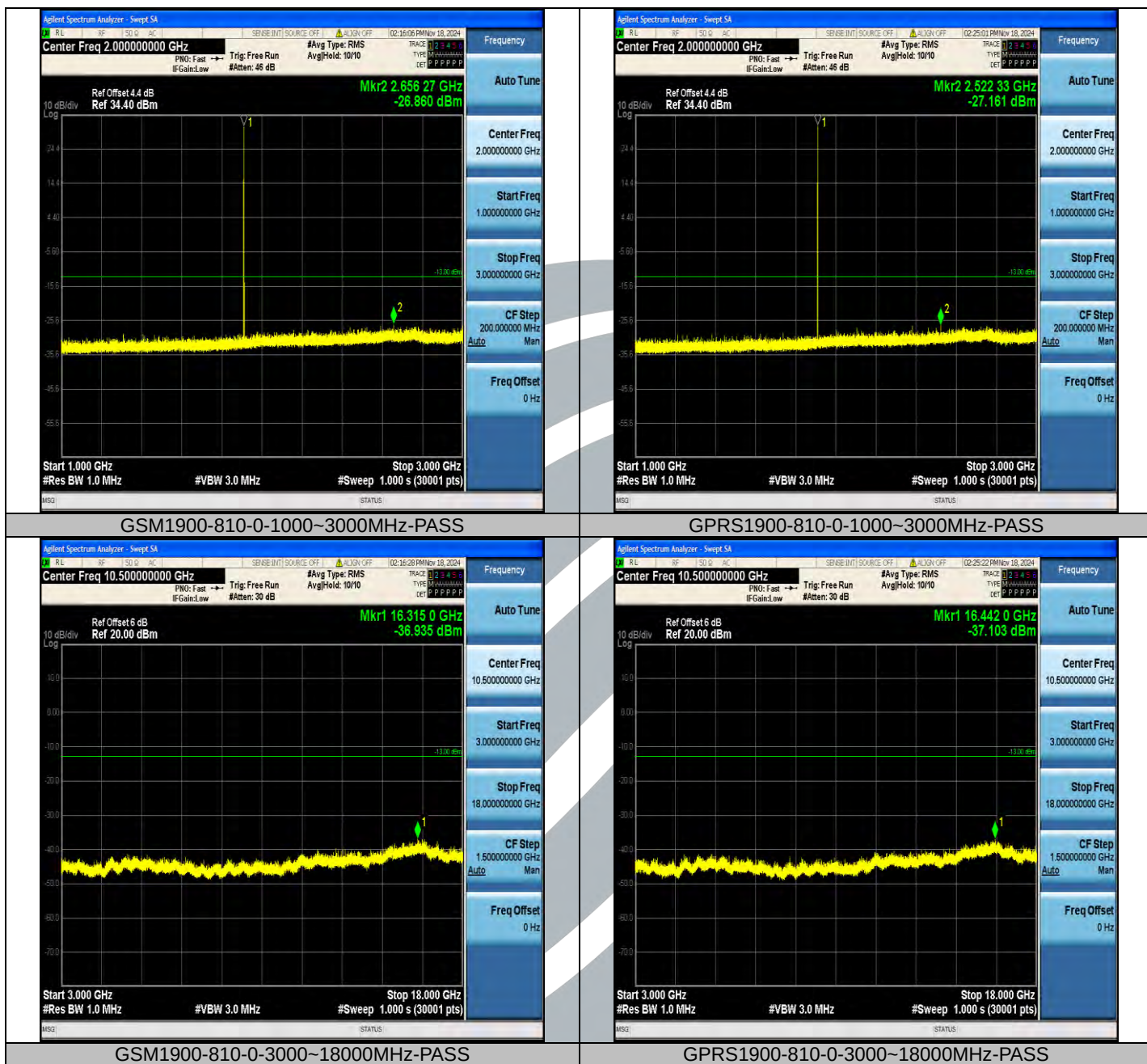


GSM1900-661-0-1000~3000MHz-PASS



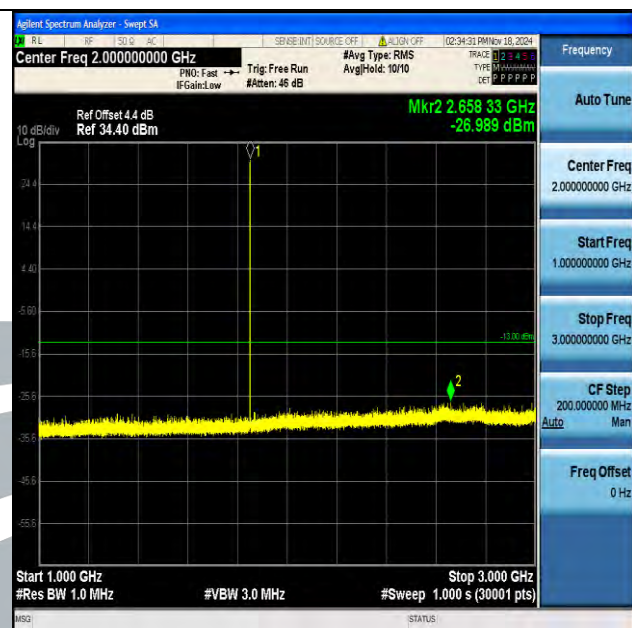
GPRS1900-661-0-1000~3000MHz-PASS







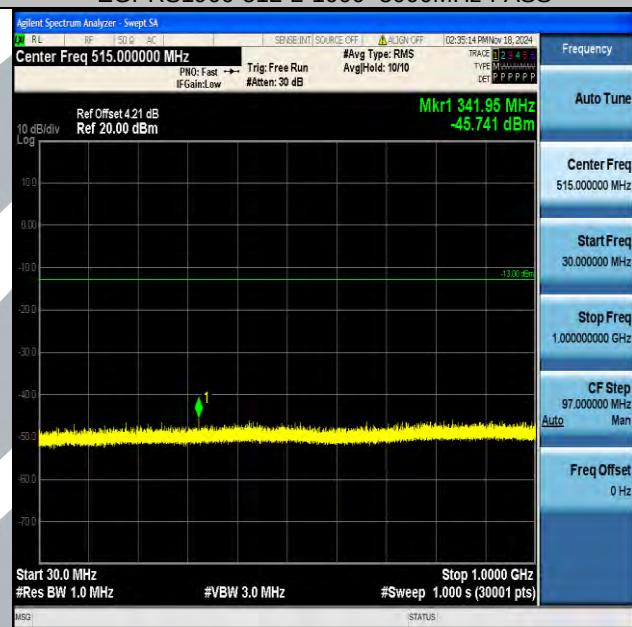
EGPRS1900-512-2-30~1000MHz-PASS



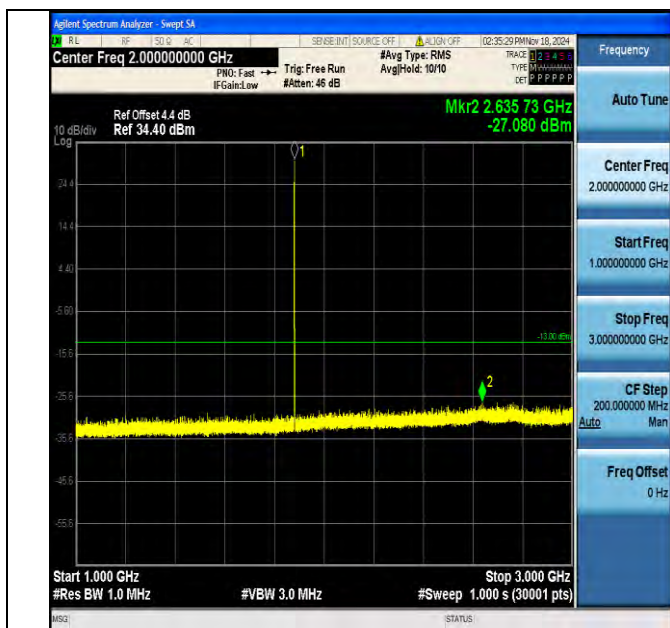
EGPRS1900-512-2-1000~3000MHz-PASS



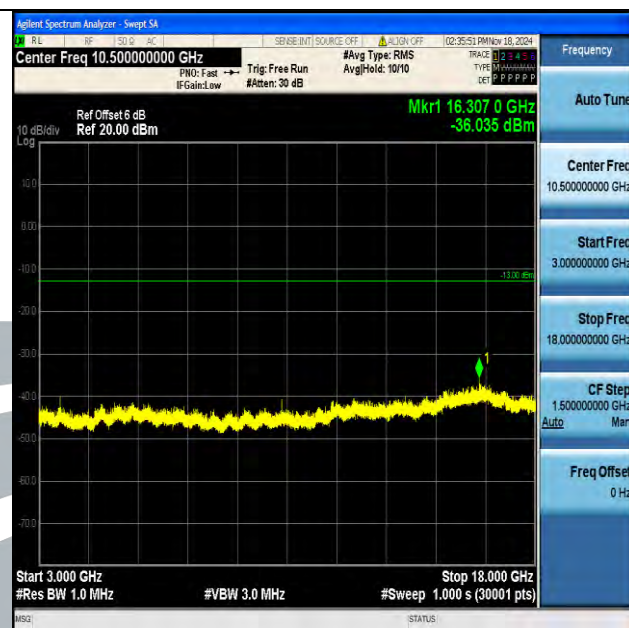
EGPRS1900-512-2-3000~18000MHz-PASS



EGPRS1900-661-2-30~1000MHz-PASS



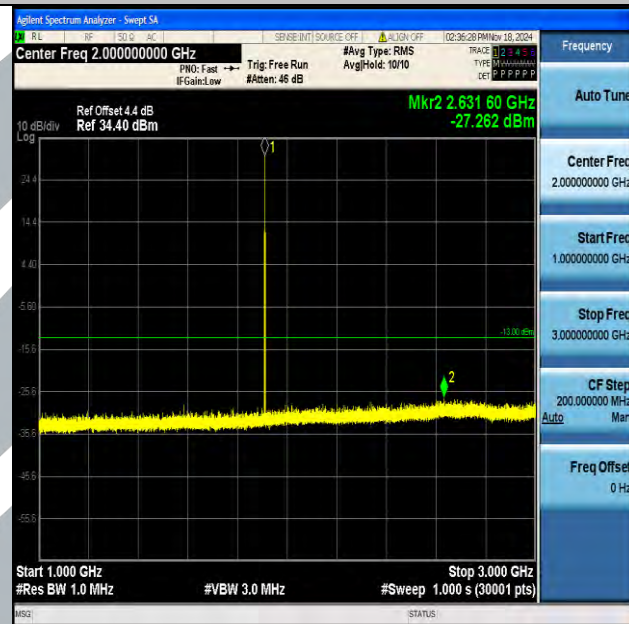
EGPRS1900-661-2-1000~3000MHz-PASS



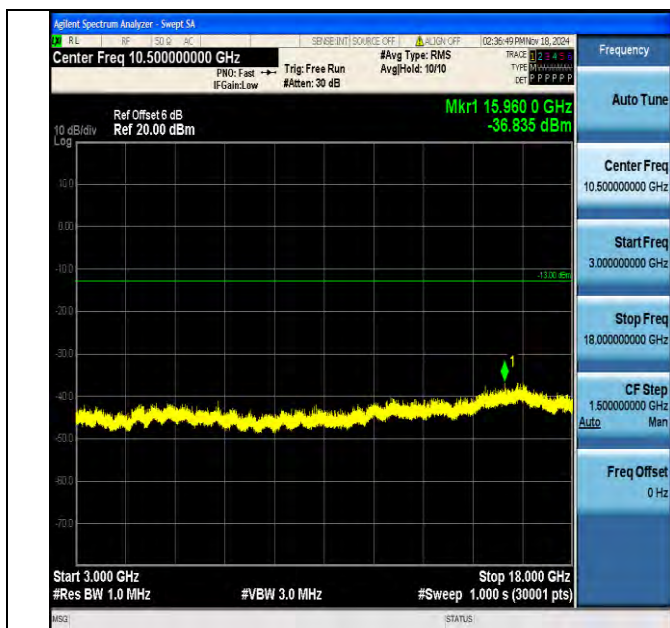
EGPRS1900-661-2-3000~18000MHz-PASS



EGPRS1900-810-2-30~1000MHz-PASS



EGPRS1900-810-2-1000~3000MHz-PASS



EGPRS1900-810-2-3000~18000MHZ-PASS

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

[Http://www.uttlab.com](http://www.uttlab.com)

CDMA BC0:

