

Test Data

Project No. : ENS2111010110W00401R

Company: : Shenzhen Jimi IoT Co., Ltd.

EUT : VEHICLE GPS TRACKER

Model Number : X3-MN

Number of Samples : 2#

Sample Number : 1

Tested By : Tracy Hu

Reviewed By : Joe Xia

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	PCL	ERP (dBm)	Limit(dBm)	Verdict
GSM850	128	3	31.28	38.5	PASS
GSM850	190	3	31.74	38.5	PASS
GSM850	251	3	31.72	38.5	PASS

Band	Channel	PCL	EIRP (dBm)	Limit(dBm)	Verdict
GSM1900	512	0	27.57	33	PASS
GSM1900	661	0	27.08	33	PASS
GSM1900	810	0	26.87	33	PASS

Band	Channel	PCL	Slot	ERP (dBm)	Limit(dBm)	Verdict
GPRS850	128	3	1	31.43	38.5	PASS
GPRS850	128	3	2	30.52	38.5	PASS
GPRS850	128	3	3	28.60	38.5	PASS
GPRS850	128	3	4	27.57	38.5	PASS
GPRS850	190	3	1	31.25	38.5	PASS
GPRS850	190	3	2	30.35	38.5	PASS
GPRS850	190	3	3	28.40	38.5	PASS
GPRS850	190	3	4	27.35	38.5	PASS
GPRS850	251	3	1	31.50	38.5	PASS
GPRS850	251	3	2	30.66	38.5	PASS
GPRS850	251	3	3	28.74	38.5	PASS
GPRS850	251	3	4	27.73	38.5	PASS

Band	Channel	PCL	Slot	EIRP (dBm)	Limit(dBm)	Verdict
GPRS1900	512	0	1	27.55	33	PASS
GPRS1900	512	0	2	26.86	33	PASS
GPRS1900	512	0	3	25.23	33	PASS
GPRS1900	512	0	4	24.50	33	PASS
GPRS1900	661	0	1	27.03	33	PASS
GPRS1900	661	0	2	26.46	33	PASS
GPRS1900	661	0	3	24.86	33	PASS
GPRS1900	661	0	4	24.10	33	PASS
GPRS1900	810	0	1	26.85	33	PASS

GPRS1900	810	0	2	26.21	33	PASS
GPRS1900	810	0	3	24.53	33	PASS
GPRS1900	810	0	4	23.74	33	PASS

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

Test Result

Band	Channel	PCL	Result(dB)	Limit(dB)	Verdict
GSM850	128	3	8.51	13	PASS
GSM850	190	3	8.54	13	PASS
GSM850	251	3	8.49	13	PASS
GPRS850	128	3	0.39	13	PASS
GPRS850	190	3	0.37	13	PASS
GPRS850	251	3	0.38	13	PASS
GSM1900	512	0	0.39	13	PASS
GSM1900	661	0	0.42	13	PASS
GSM1900	810	0	0.39	13	PASS
GPRS1900	512	0	0.36	13	PASS
GPRS1900	661	0	0.47	13	PASS
GPRS1900	810	0	0.42	13	PASS

Test Graphs



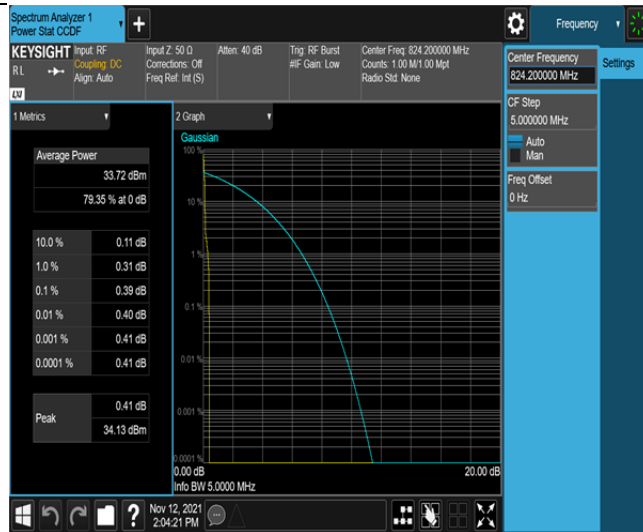
GSM850-128-3



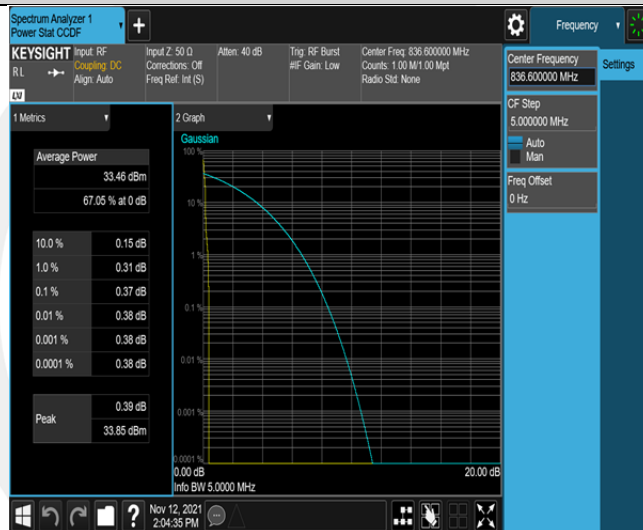
GSM850-190-3



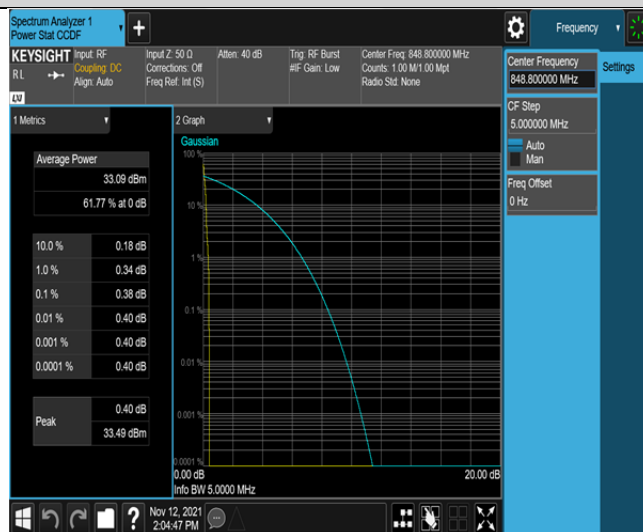
GSM850-251-3



GPRS850-128-3



GPRS850-190-3



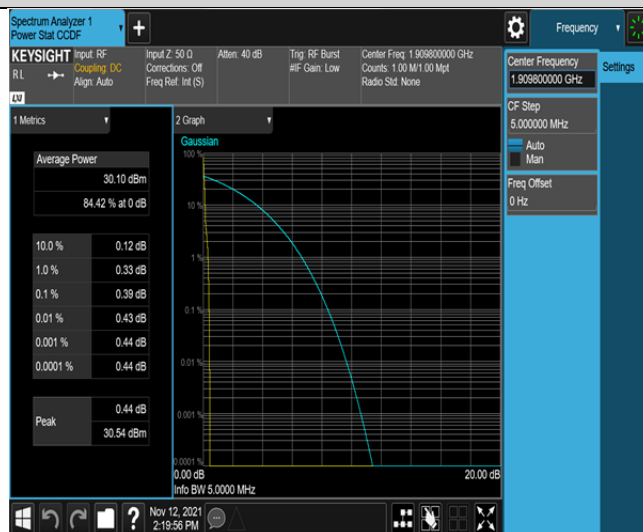
GPRS850-251-3



GSM1900-512-0



GSM1900-661-0



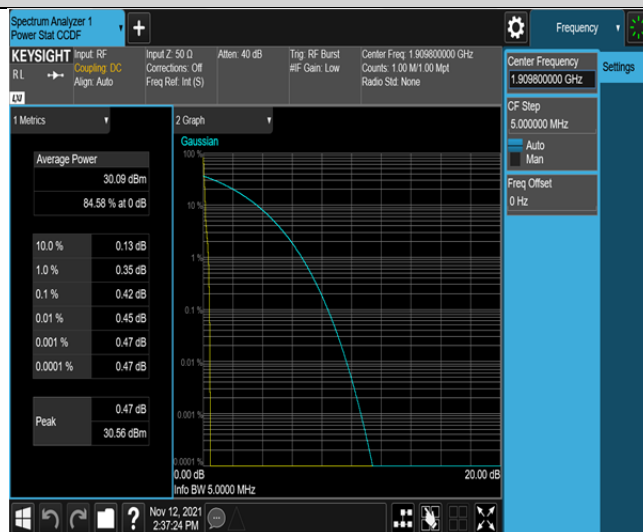
GSM1900-810-0



GPRS1900-512-0



GPRS1900-661-0



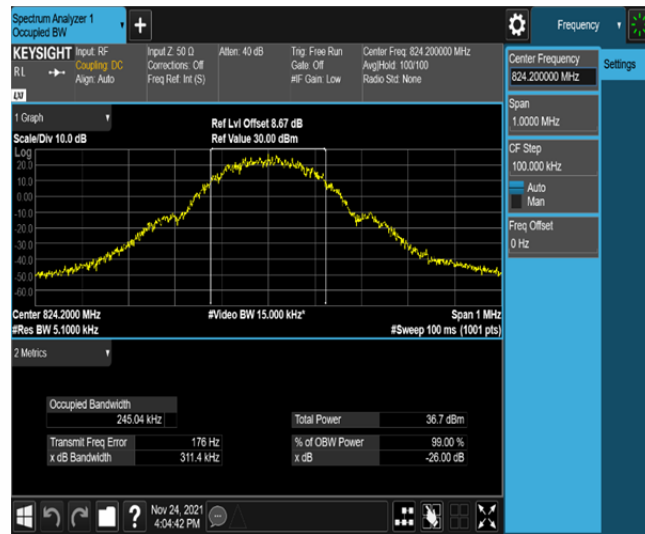
GPRS1900-810-0

Appendix C: 26dB Bandwidth and Occupied Bandwidth

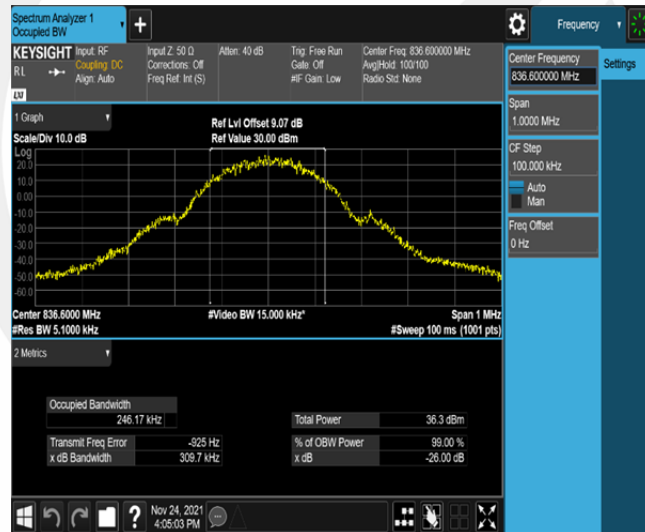
Test Result

Band	Channel	PCL	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	3	0.24504	0.3114	---	PASS
GSM850	190	3	0.24617	0.3097	---	PASS
GSM850	251	3	0.24717	0.3123	---	PASS
GPRS850	128	3	0.24612	0.3129	---	PASS
GPRS850	190	3	0.24585	0.3158	---	PASS
GPRS850	251	3	0.24669	0.3209	---	PASS
GSM1900	512	0	0.24683	0.3093	---	PASS
GSM1900	661	0	0.24484	0.3124	---	PASS
GSM1900	810	0	0.24580	0.3175	---	PASS
GPRS1900	512	0	0.24742	0.3165	---	PASS
GPRS1900	661	0	0.24490	0.3127	---	PASS
GPRS1900	810	0	0.24570	0.3159	---	PASS

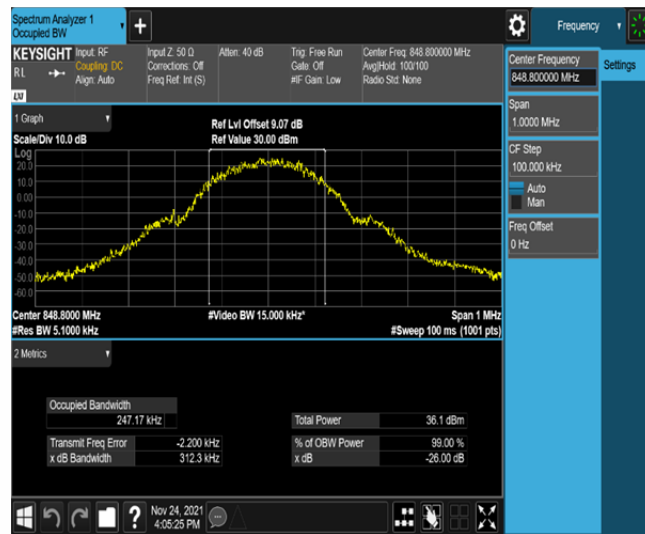
Test Graphs



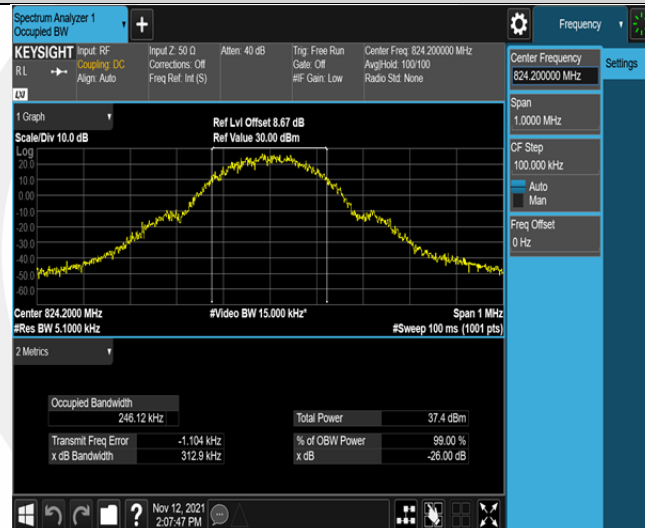
GSM850-128-3-1.000



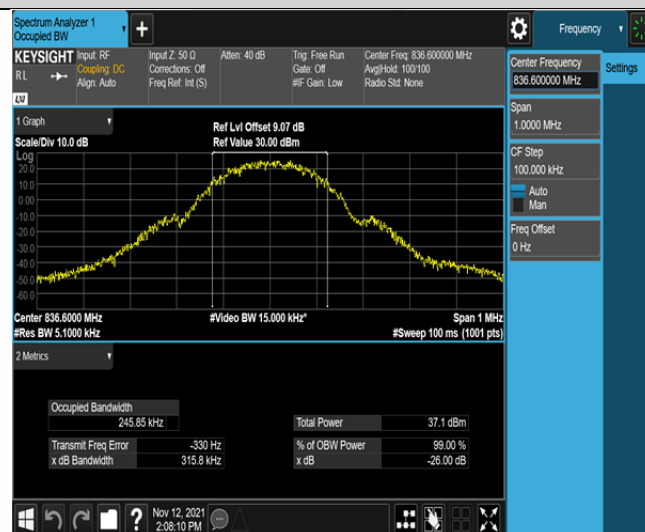
GSM850-190-3-1.000



GSM850-251-3-1.000



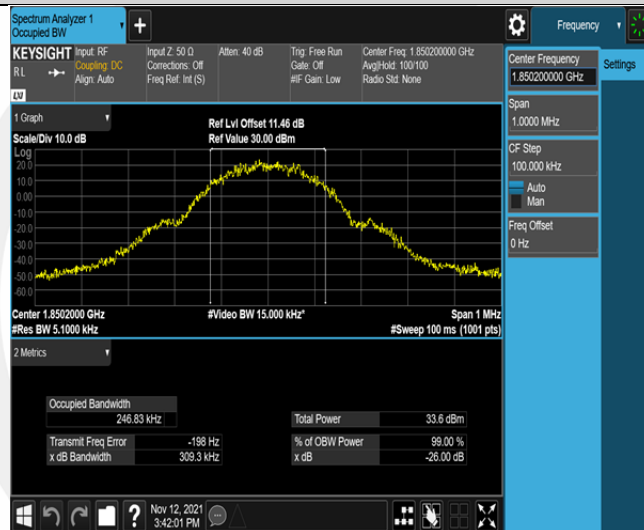
GPRS850-128-3-0.3129



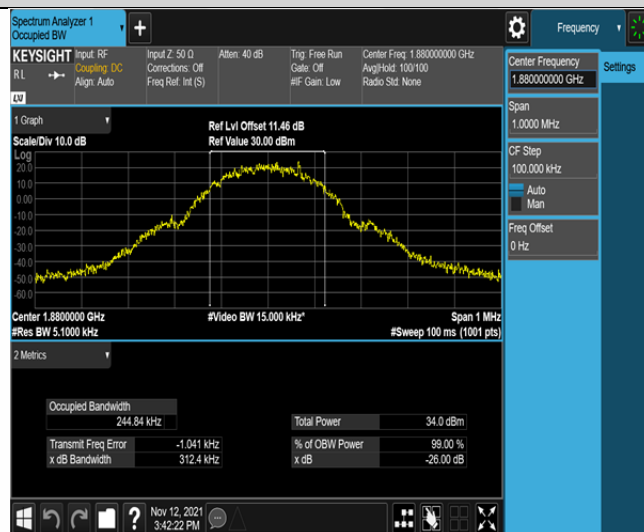
GPRS850-190-3-0.3158



GPRS850-251-3-0.3209



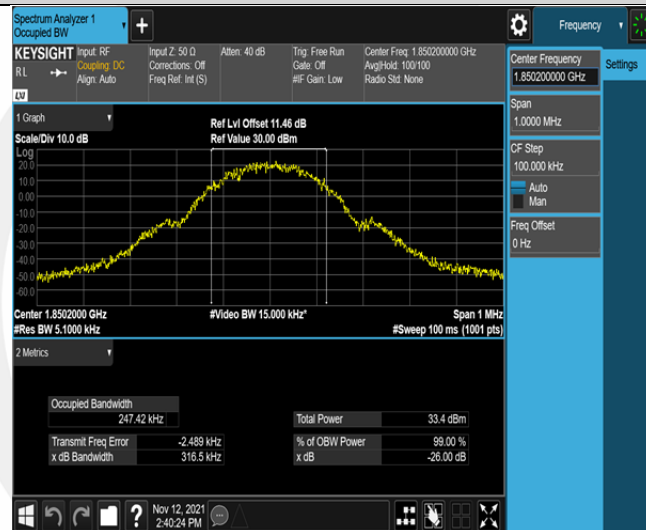
GSM1900-512-0-0.3093



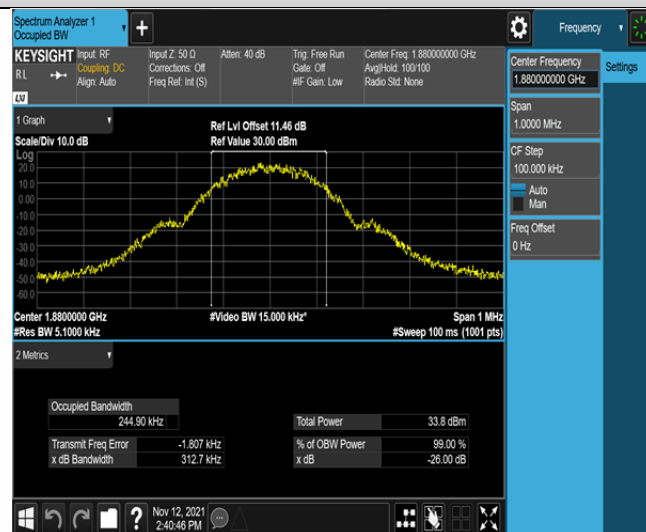
GSM1900-661-0-0.3124



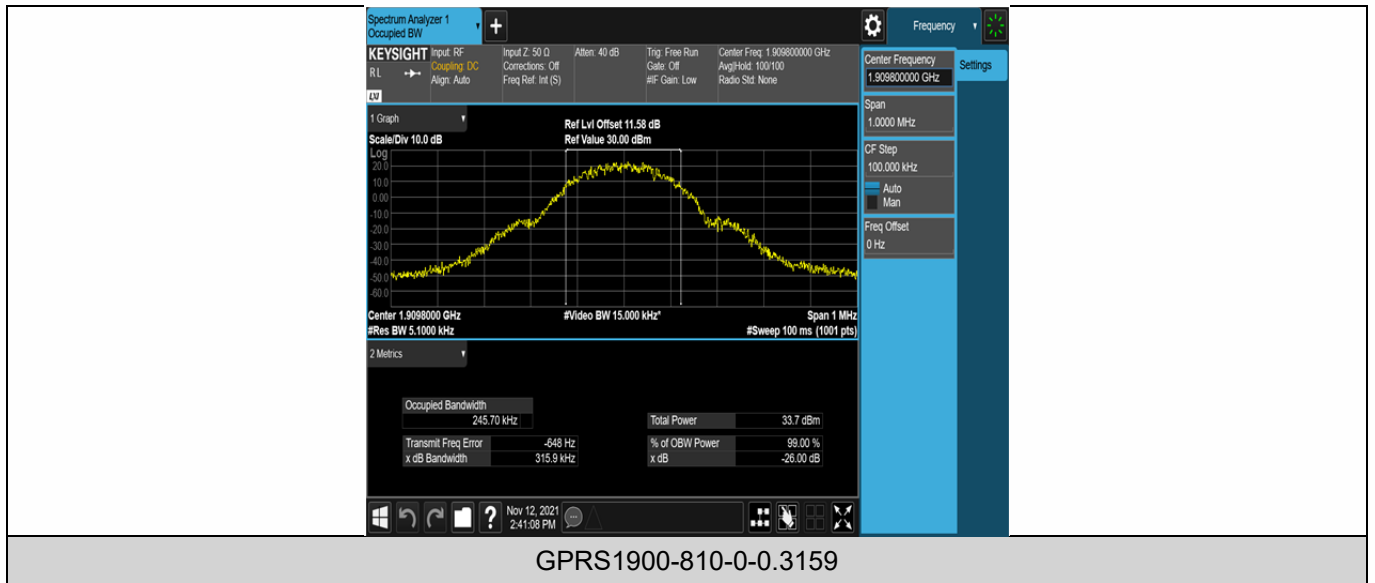
GSM1900-810-0-0.3175



GPRS1900-512-0-0.3165



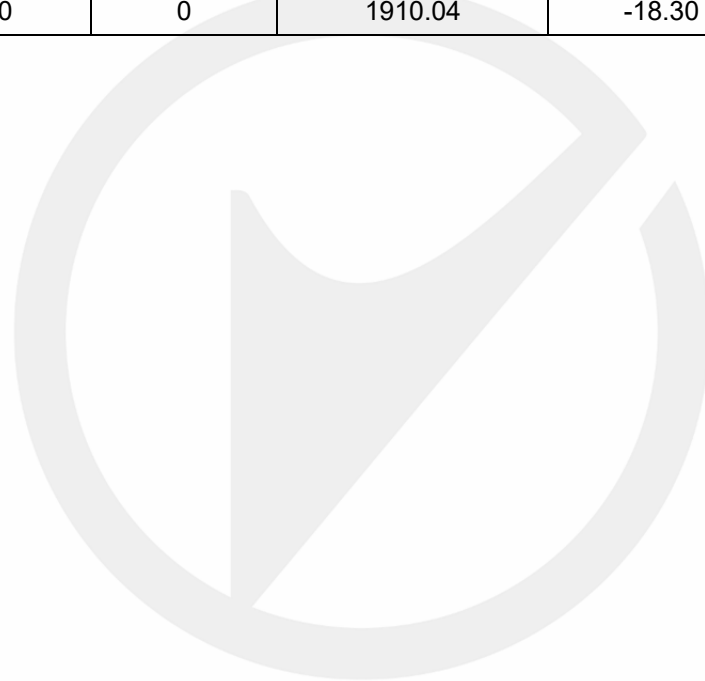
GPRS1900-661-0-0.3127



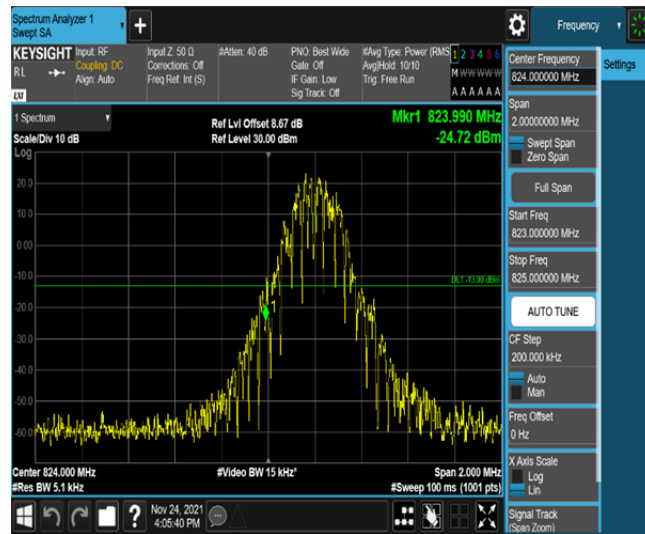
Appendix D: Band Edge

Test Result

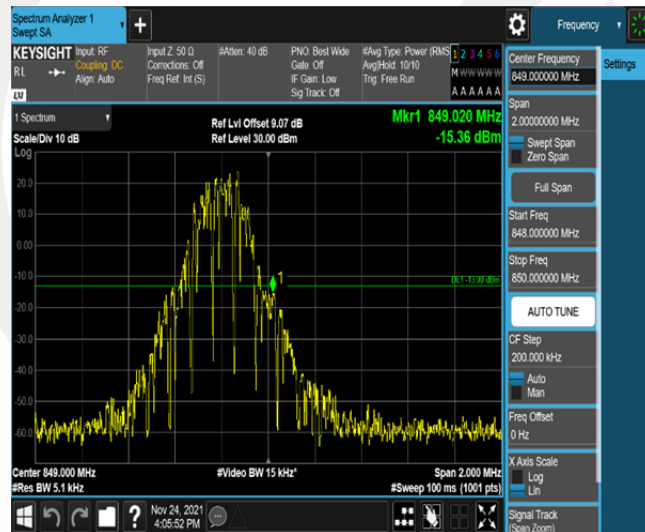
Band	Channel	PCL	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	3	823.22	-54.72	-13	PASS
GSM850	251	3	849.82	-54.05	-13	PASS
GPRS850	128	3	823.97	-12.68	-13	PASS
GPRS850	251	3	849.04	-13.94	-13	PASS
GSM1900	512	0	1849.99	-16.89	-13	PASS
GSM1900	810	0	1910.01	-16.66	-13	PASS
GPRS1900	512	0	1850.00	-15.50	-13	PASS
GPRS1900	810	0	1910.04	-18.30	-13	PASS



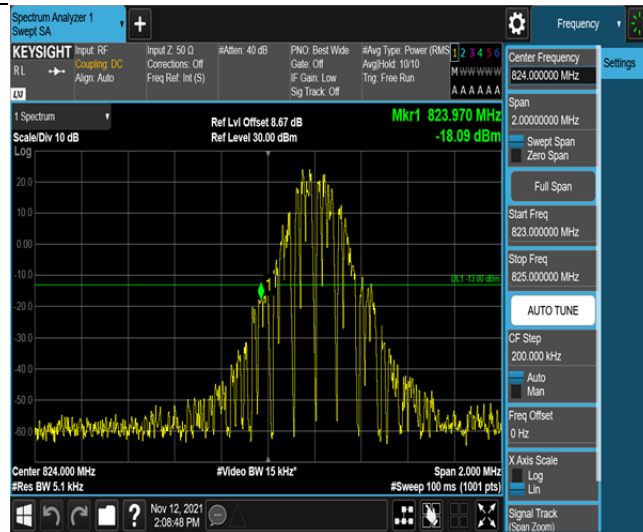
Test Graphs



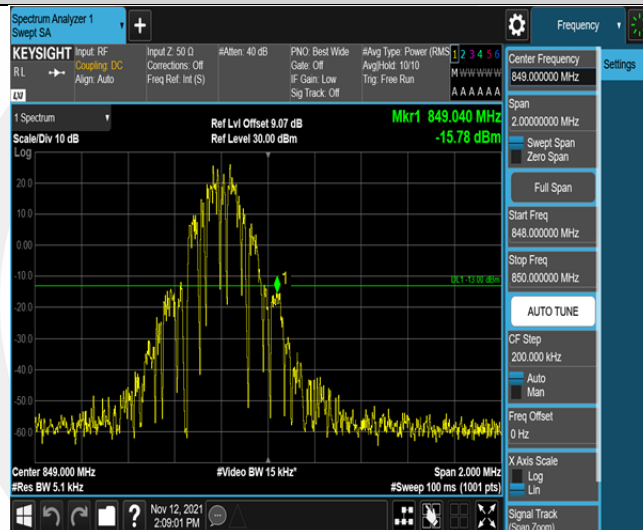
GSM850-128-3



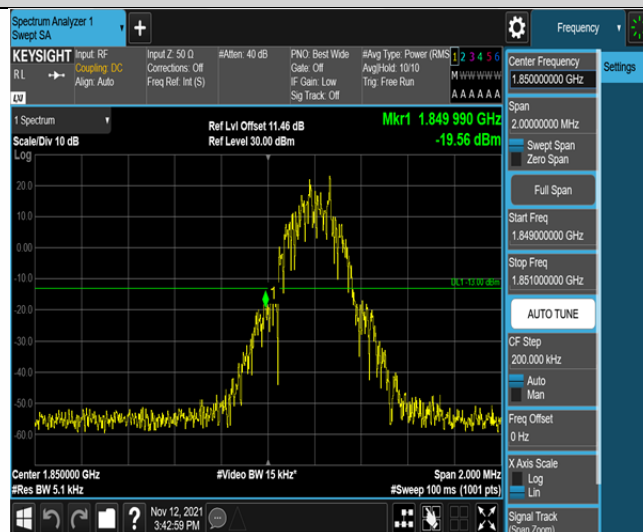
GSM850-251-3



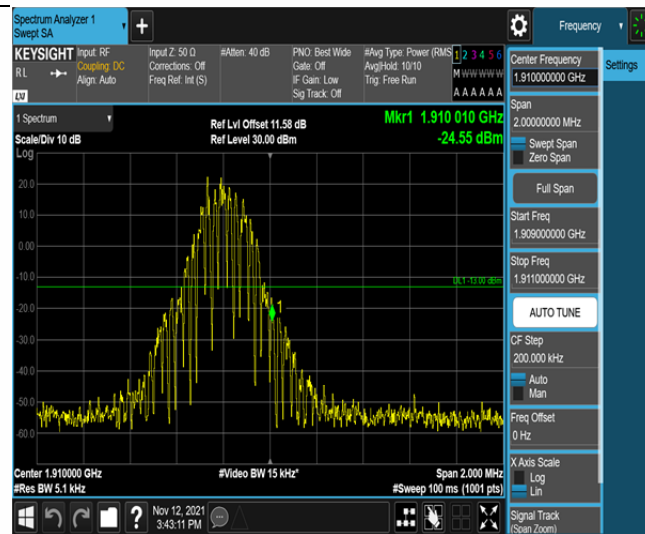
GPRS850-128-3



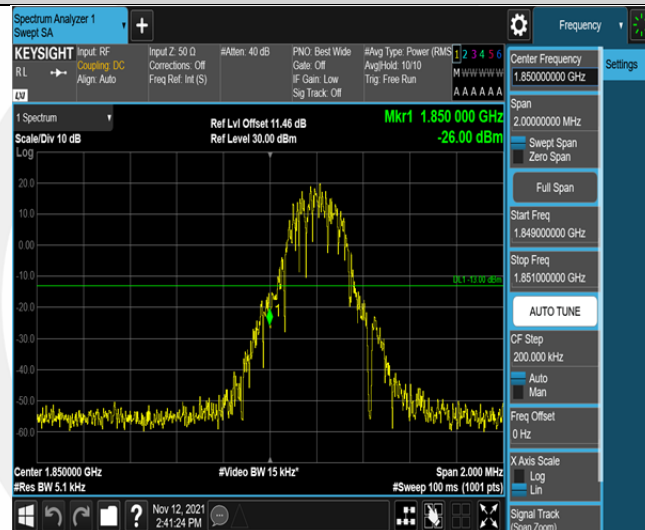
GPRS850-251-3



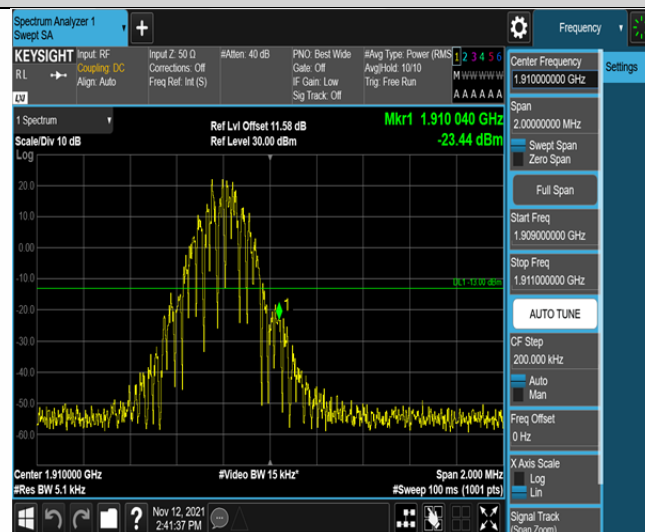
GSM1900-512-0



GSM1900-810-0



GPRS1900-512-0



GPRS1900-810-0

Appendix E: Conducted Spurious Emission

Test Result

Band	Channel	PCL	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM850	128	3	0.009~0.15MHz	0.02	-48.26	-43	PASS
GSM850	128	3	0.15~30MHz	0.16	-48.39	-33	PASS
GSM850	128	3	30~1000MHz	205.67	-33.97	-23	PASS
GSM850	128	3	1000~3000MHz	1829.67	-32.76	-13	PASS
GSM850	128	3	3000~10000MHz	3807.57	-40.58	-13	PASS
GSM850	190	3	0.009~0.15MHz	0.02	-48.49	-43	PASS
GSM850	190	3	0.15~30MHz	0.16	-48.61	-33	PASS
GSM850	190	3	30~1000MHz	184.65	-34.95	-23	PASS
GSM850	190	3	1000~3000MHz	2429.4	-30.3	-13	PASS
GSM850	190	3	3000~10000MHz	3814.33	-40.56	-13	PASS
GSM850	251	3	0.009~0.15MHz	0.02	-48.62	-43	PASS
GSM850	251	3	0.15~30MHz	0.16	-49.43	-33	PASS
GSM850	251	3	30~1000MHz	187.66	-34.78	-23	PASS
GSM850	251	3	1000~3000MHz	2430.4	-30.78	-13	PASS
GSM850	251	3	3000~10000MHz	3822.03	-40.51	-13	PASS
GSM1900	512	0	0.009~0.15MHz	0.02	-48.92	-43	PASS
GSM1900	512	0	0.15~30MHz	0.16	-49.52	-33	PASS
GSM1900	512	0	30~1000MHz	180.77	-34.47	-23	PASS
GSM1900	512	0	1000~3000MHz	2122.53	-35.43	-13	PASS
GSM1900	512	0	3000~18000MHz	3829	-40.59	-13	PASS
GSM1900	661	0	0.009~0.15MHz	0.02	-48.87	-43	PASS
GSM1900	661	0	0.15~30MHz	0.15	-49.93	-33	PASS
GSM1900	661	0	30~1000MHz	183.71	-34.65	-23	PASS
GSM1900	661	0	1000~3000MHz	2134.13	-35.37	-13	PASS
GSM1900	661	0	3000~18000MHz	3817.5	-40.6	-13	PASS
GSM1900	810	0	0.009~0.15MHz	0.02	-48.35	-43	PASS
GSM1900	810	0	0.15~30MHz	0.15	-48.74	-33	PASS
GSM1900	810	0	30~1000MHz	186.59	-35.04	-23	PASS
GSM1900	810	0	1000~3000MHz	2114.8	-35.51	-13	PASS
GSM1900	810	0	3000~18000MHz	3839	-40.51	-13	PASS