

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	PCL	Channel	Power(dBm)	E(I)RP(dBm)	Limit(dBm)	Verdict
GSM850	5	128	32.85	32.83	38.45	PASS
GSM850	5	190	32.83	32.81	38.45	PASS
GSM850	5	251	32.86	32.84	38.45	PASS

Band	PCL	Channel	Up Slot Num	Power(dBm)	E(I)RP(dBm)	Limit(dBm)	Verdict
GPRS850	5	128	1	32.88	32.86	38.45	PASS
GPRS850	5	128	2	32.93	32.91	38.45	PASS
GPRS850	5	128	3	31.12	31.1	38.45	PASS
GPRS850	5	128	4	29.21	29.19	38.45	PASS
GPRS850	5	190	1	32.86	32.84	38.45	PASS
GPRS850	5	190	2	32.91	32.89	38.45	PASS
GPRS850	5	190	3	31.15	31.13	38.45	PASS
GPRS850	5	190	4	29.23	29.21	38.45	PASS
GPRS850	5	251	1	32.89	32.87	38.45	PASS
GPRS850	5	251	2	32.93	32.91	38.45	PASS
GPRS850	5	251	3	31.17	31.15	38.45	PASS
GPRS850	5	251	4	29.27	29.25	38.45	PASS

Band	PCL	Channel	Up Slot Num	Power(dBm)	E(I)RP(dBm)	Limit(dBm)	Verdict
EGPRS850	8	128	1	27.70	27.68	38.45	PASS
EGPRS850	8	128	2	27.87	27.85	38.45	PASS
EGPRS850	8	128	3	25.87	25.85	38.45	PASS
EGPRS850	8	128	4	23.71	23.69	38.45	PASS
EGPRS850	8	190	1	27.63	27.61	38.45	PASS
EGPRS850	8	190	2	27.90	27.88	38.45	PASS
EGPRS850	8	190	3	25.95	25.93	38.45	PASS
EGPRS850	8	190	4	23.71	23.69	38.45	PASS
EGPRS850	8	251	1	27.50	27.48	38.45	PASS
EGPRS850	8	251	2	27.75	27.73	38.45	PASS
EGPRS850	8	251	3	25.65	25.63	38.45	PASS
EGPRS850	8	251	4	23.52	23.5	38.45	PASS

Peak-to-Average Ratio(CCDF)

Test Result

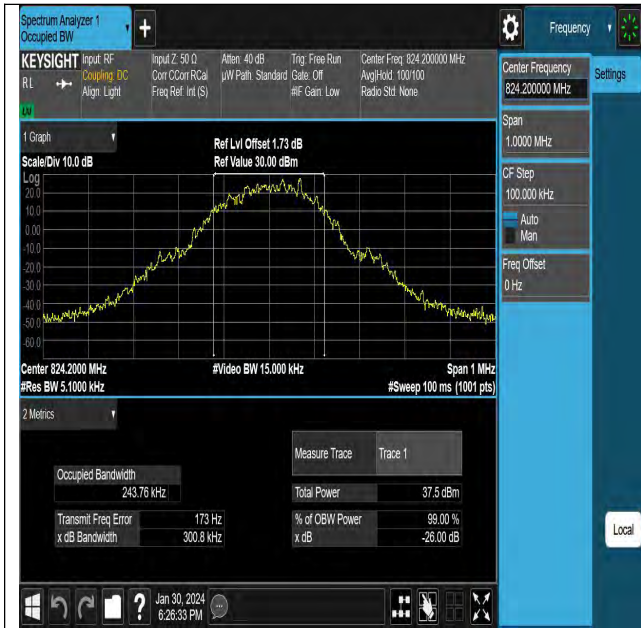
Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	128	9.53	13	PASS
GSM850	190	9.50	13	PASS
GSM850	251	9.43	13	PASS
GPRS850	128	9.65	13	PASS
GPRS850	190	9.60	13	PASS
GPRS850	251	9.61	13	PASS
EGPRS850	128	12.48	13	PASS
EGPRS850	190	12.55	13	PASS
EGPRS850	251	12.58	13	PASS

26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.24376	0.3008	---	PASS
GSM850	190	0.24180	0.3002	---	PASS
GSM850	251	0.24155	0.3056	---	PASS
GPRS850	128	0.24747	0.3143	---	PASS
GPRS850	190	0.24560	0.3127	---	PASS
GPRS850	251	0.24655	0.3122	---	PASS
EGPRS850	128	0.24586	0.3054	---	PASS
EGPRS850	190	0.24703	0.3094	---	PASS
EGPRS850	251	0.24821	0.3099	---	PASS

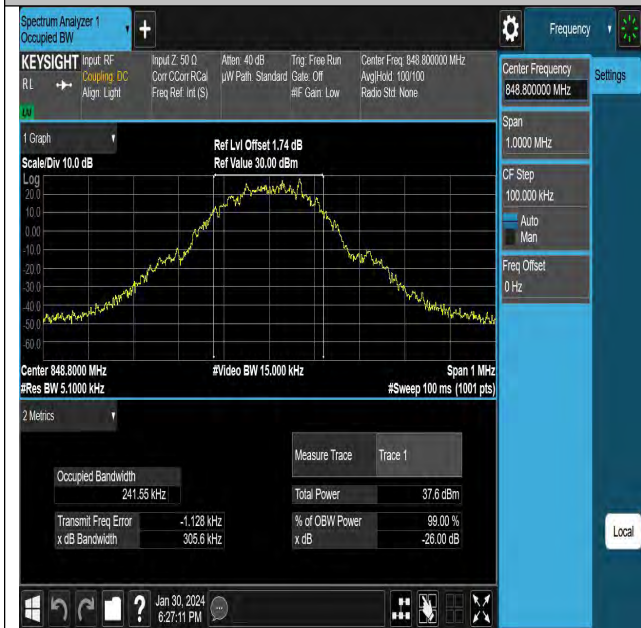
Test Graphs



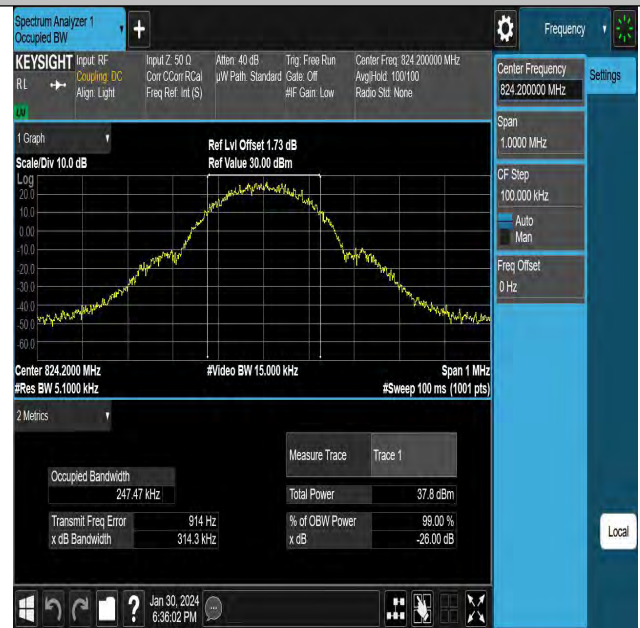
GSM850-128-5-PASS



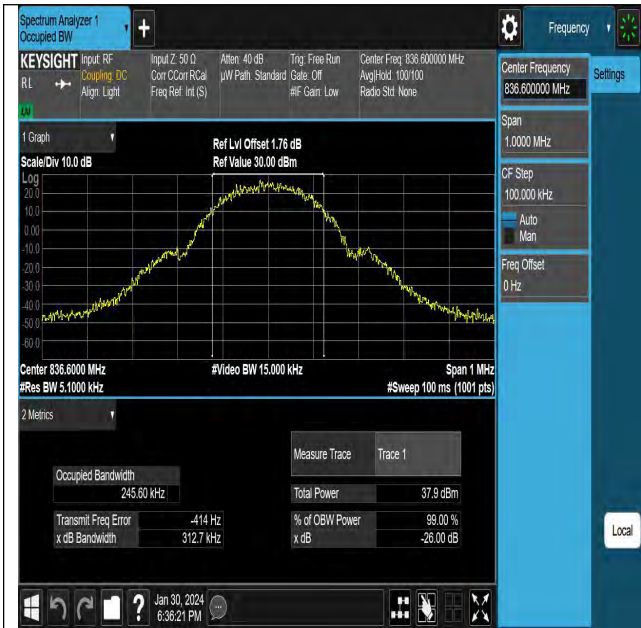
GSM850-190-5-PASS



GSM850-251-5-PASS



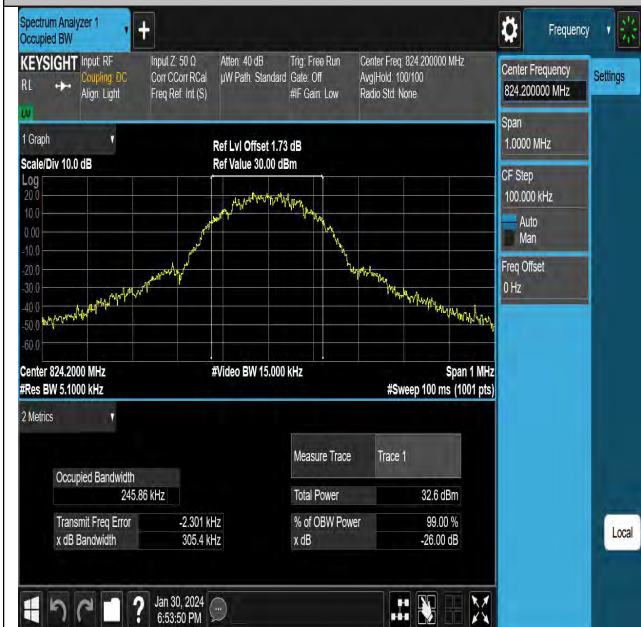
GPRS850-128-5-PASS



GPRS850-190-5-PASS



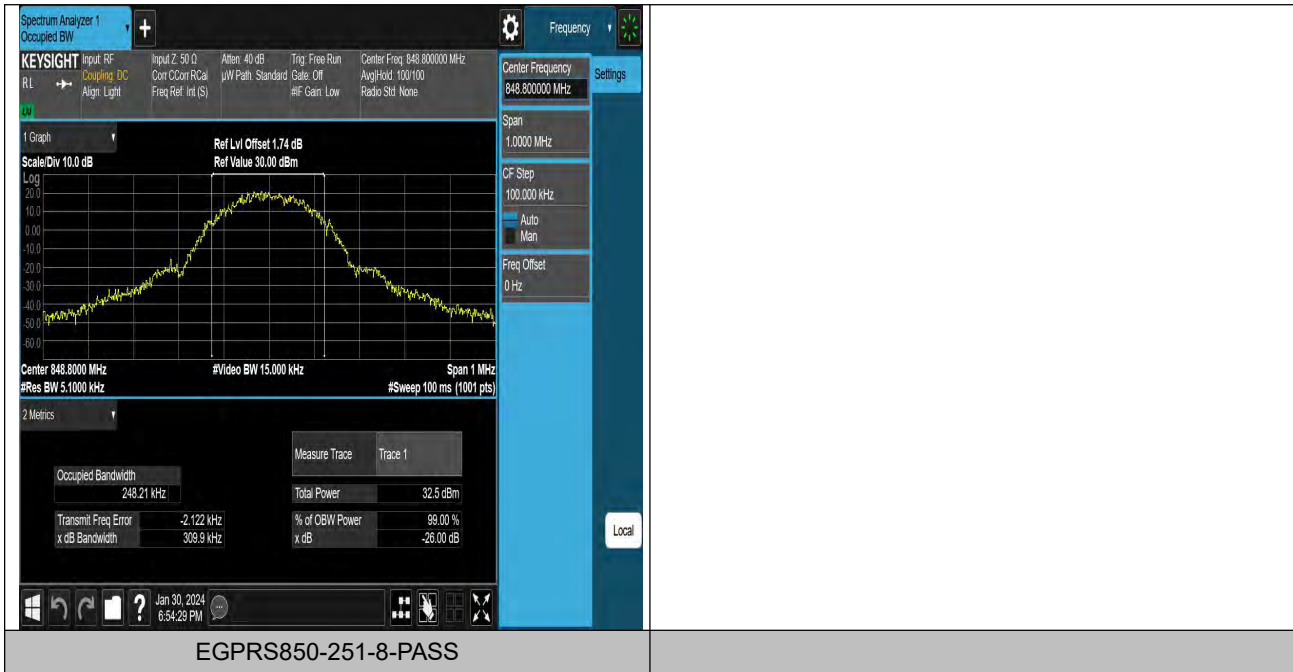
GPRS850-251-5-PASS



EGPRS850-128-8-PASS

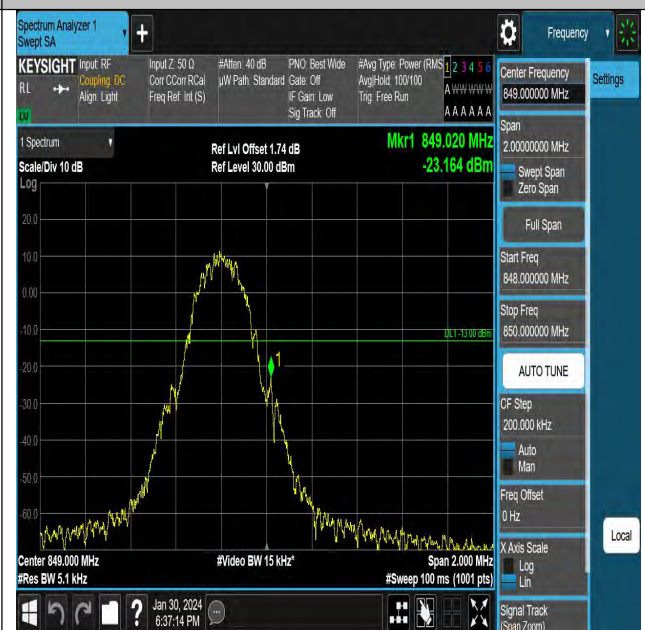
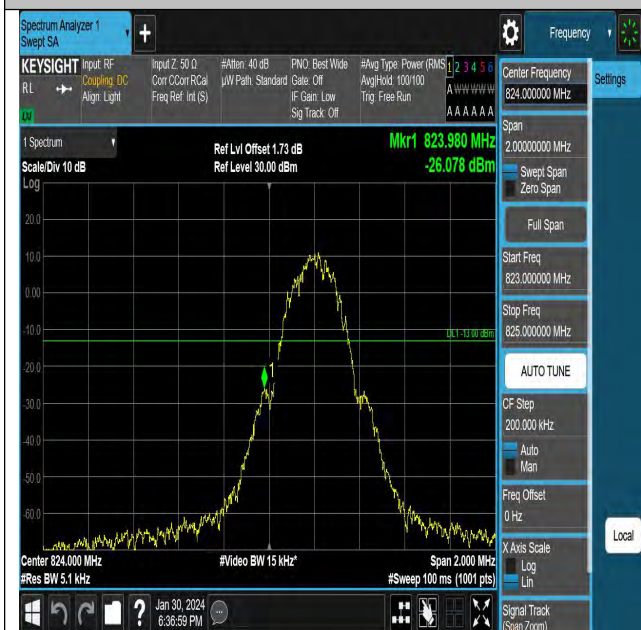
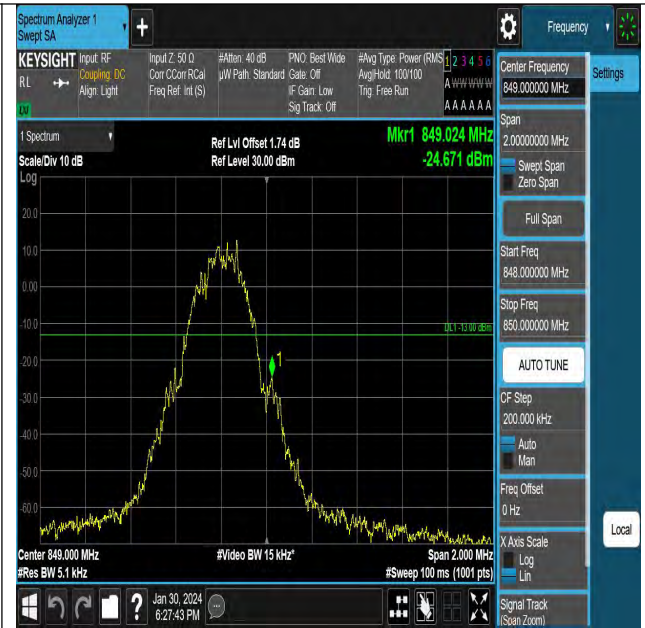
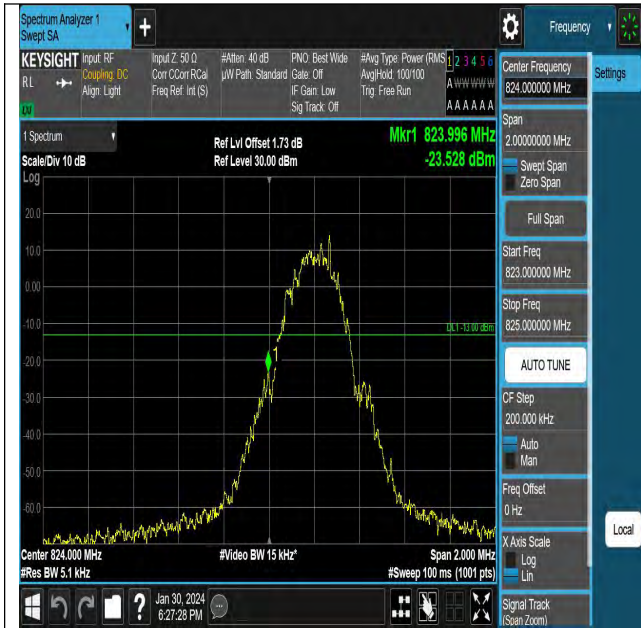


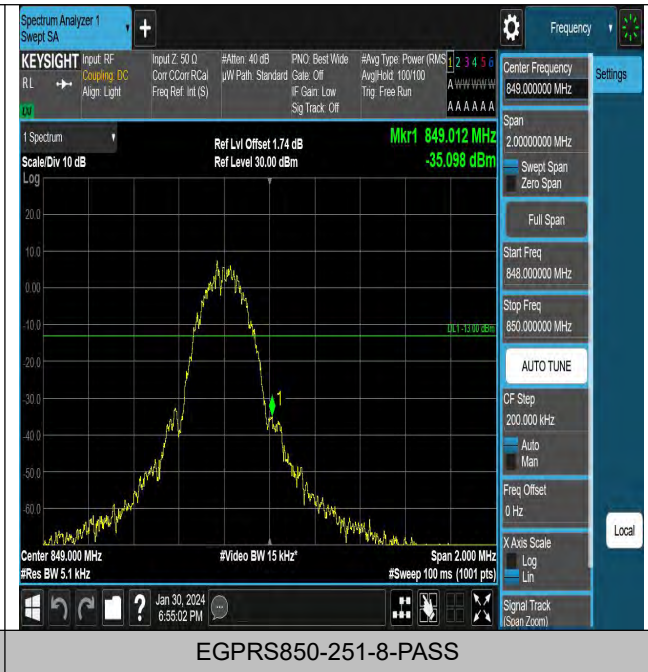
EGPRS850-190-8-PASS



Band Edge

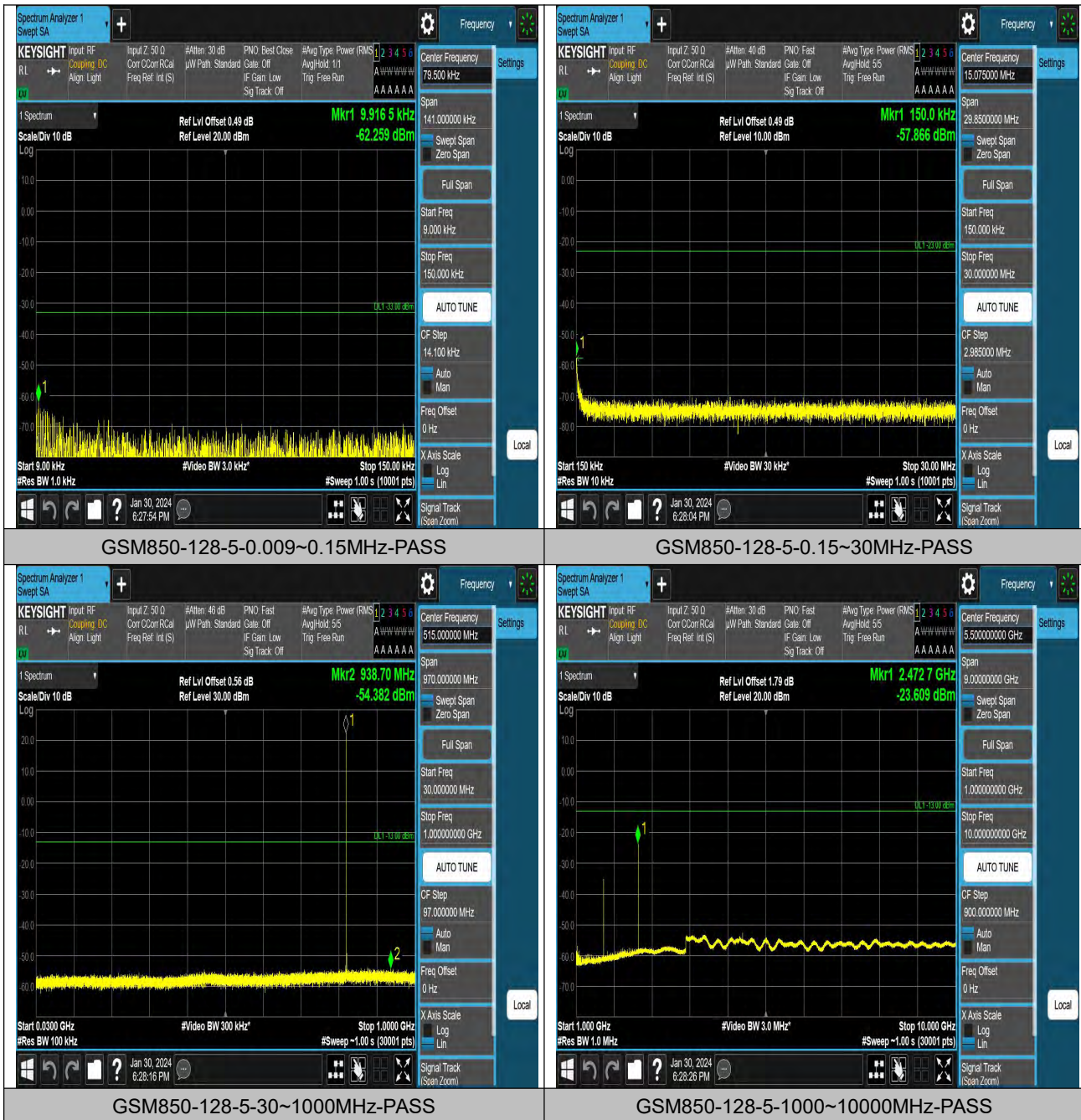
Test Graphs





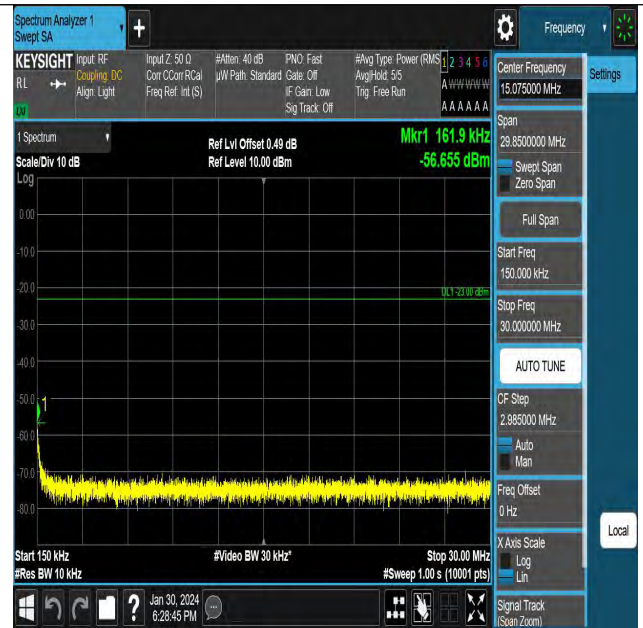
Conducted Spurious Emission

Test Graphs





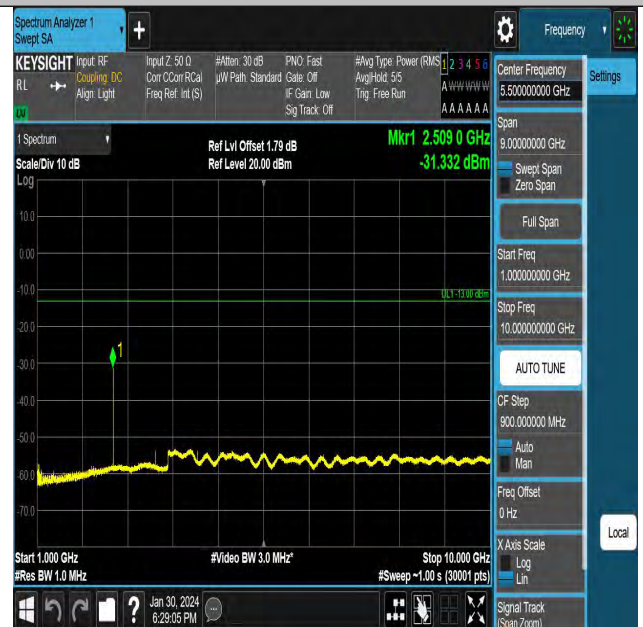
GSM850-190-5-0.009~0.15MHz-PASS



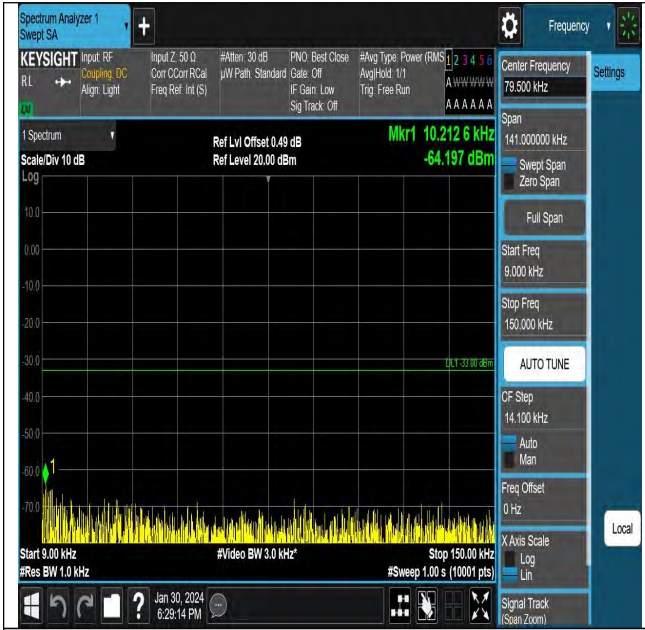
GSM850-190-5-0.15~30MHz-PASS



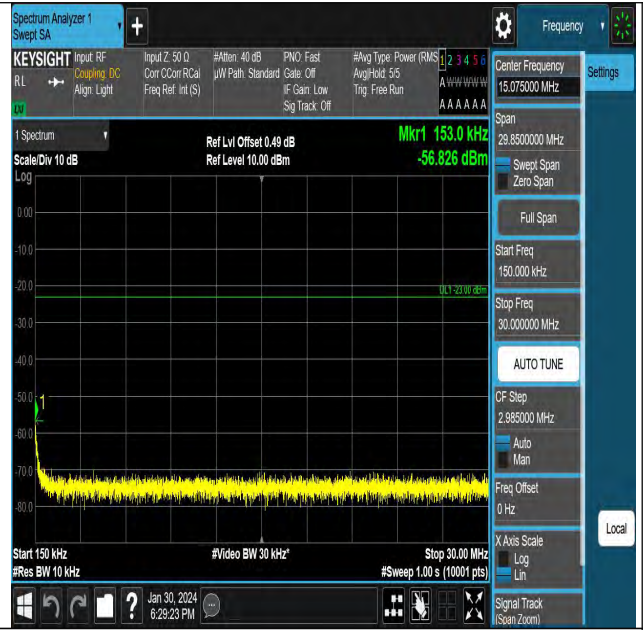
GSM850-190-5-30~1000MHz-PASS



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



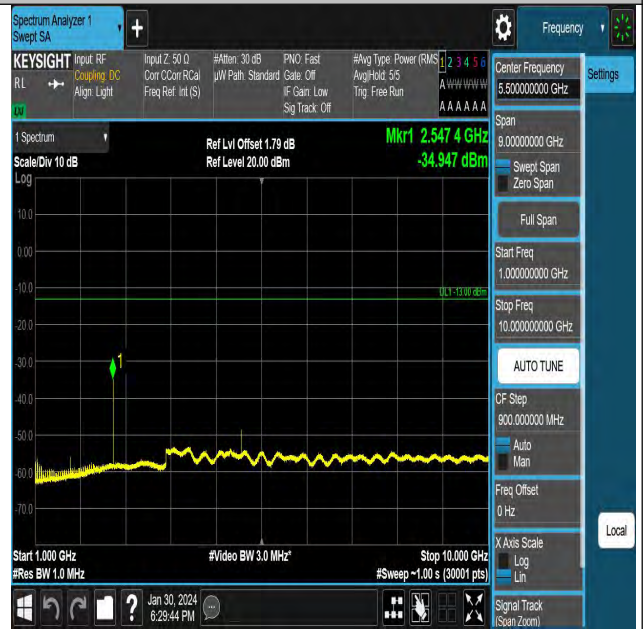
GSM850-251-5-0.009~0.15MHz-PASS



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



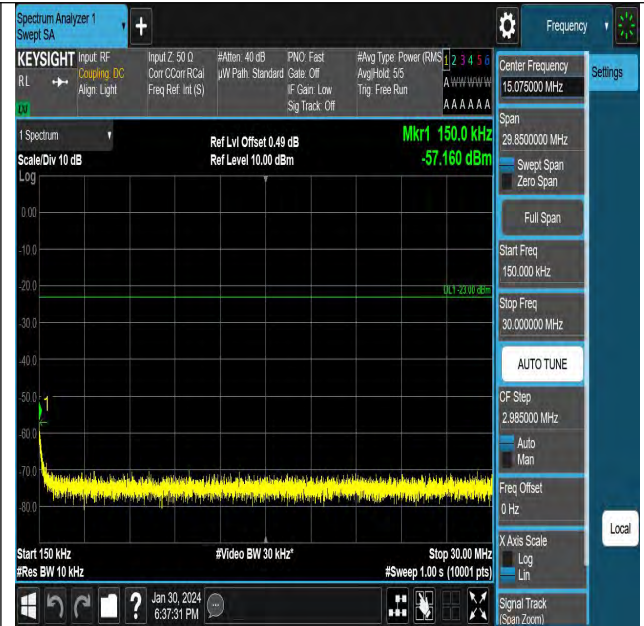
GSM850-251-5-30~1000MHz-PASS



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



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



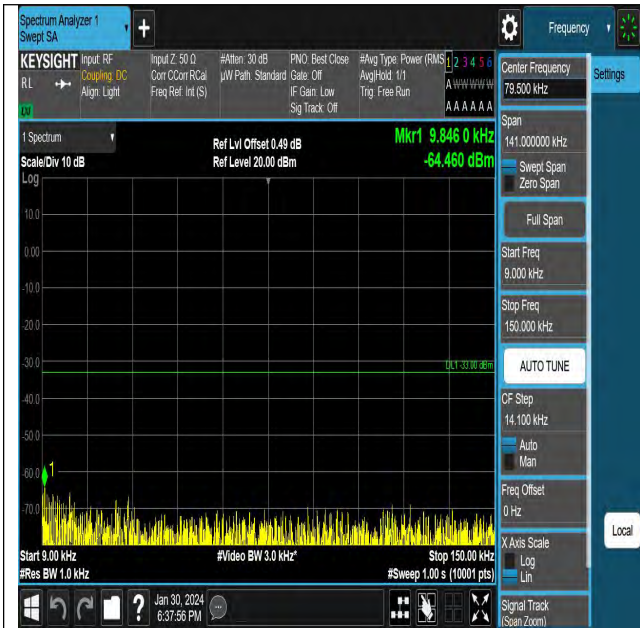
GPRS850-128-5-0.15~30MHz-PASS



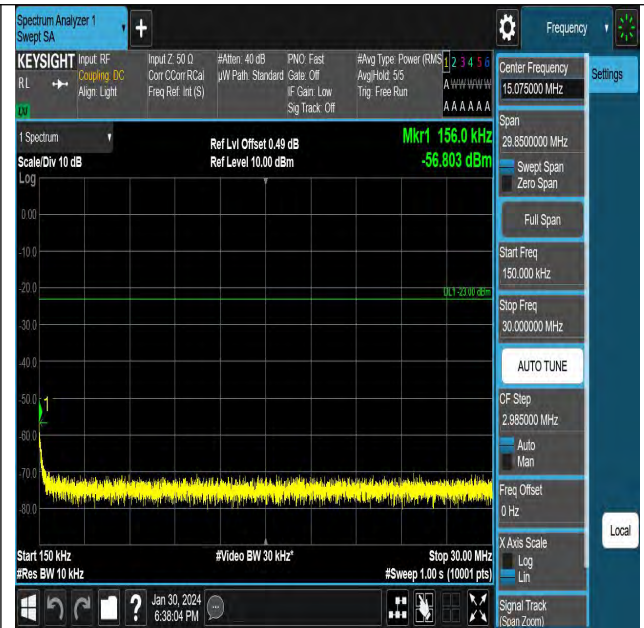
GPRS850-128-5-30~1000MHz-PASS



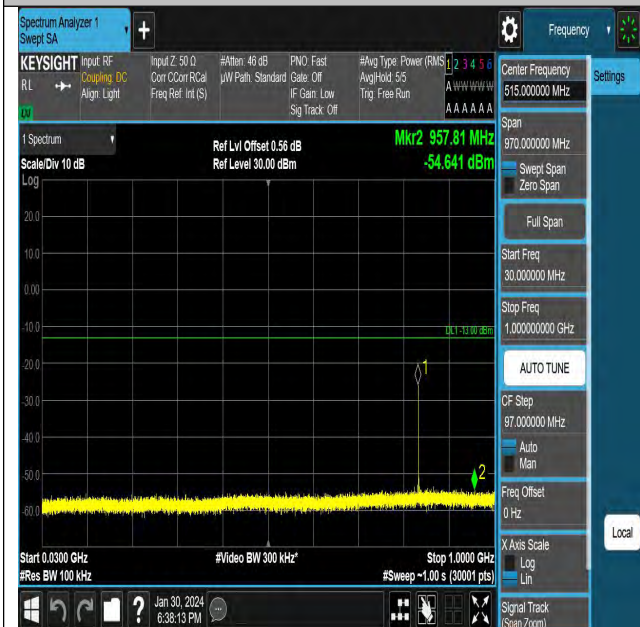
GPRS850-128-5-1000~10000MHz-PASS



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



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



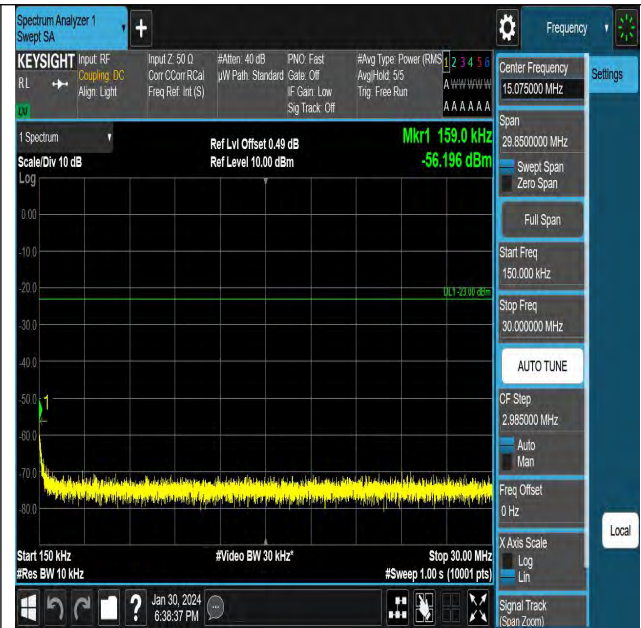
GPRS850-190-5-30~1000MHz-PASS



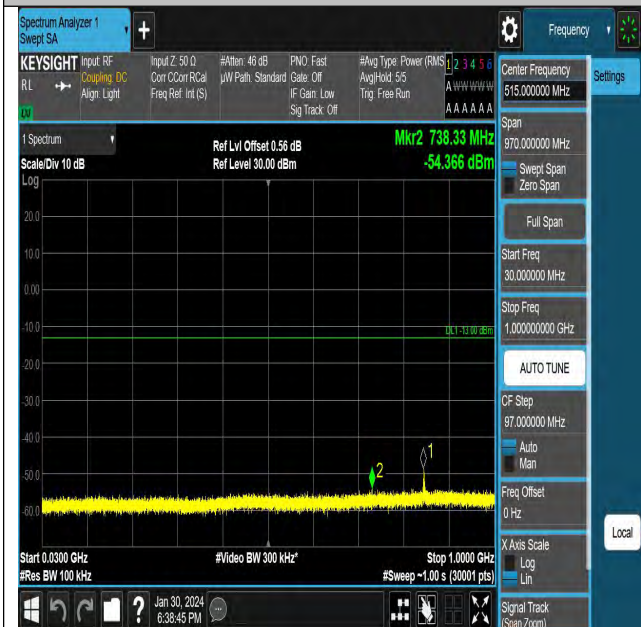
GPRS850-190-5-1000~10000MHz-PASS



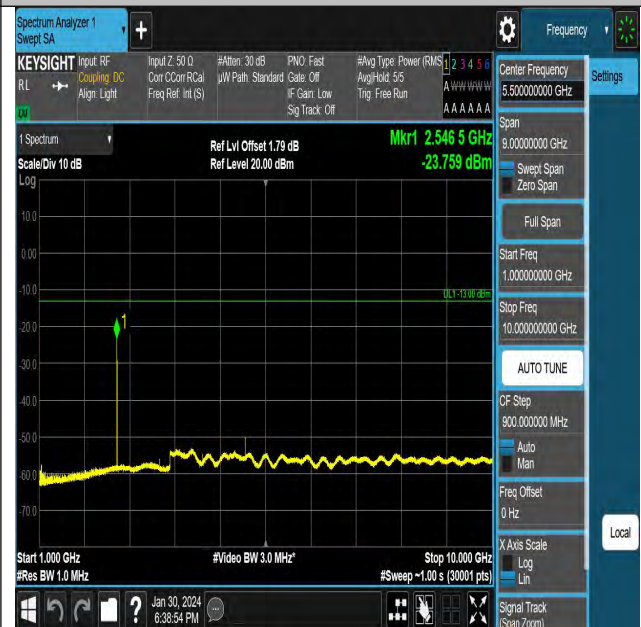
GPRS850-251-5-0.009~0.15MHz-PASS



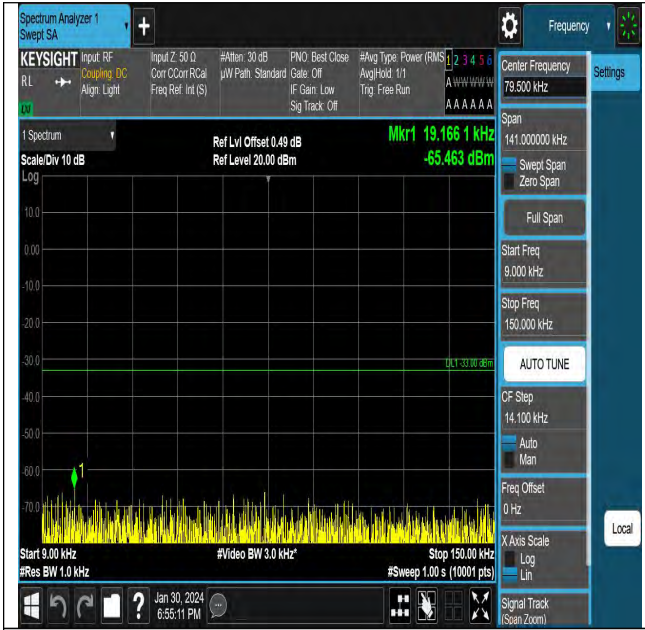
GPRS850-251-5-0.15~30MHz-PASS



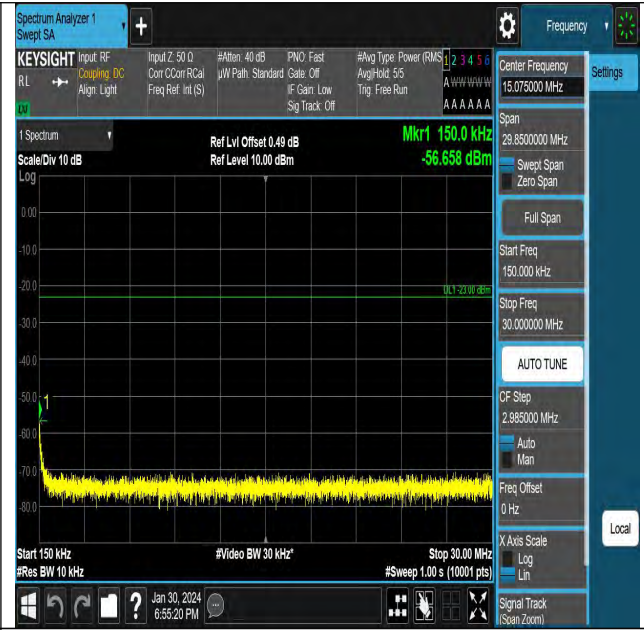
GPRS850-251-5-30~1000MHz-PASS



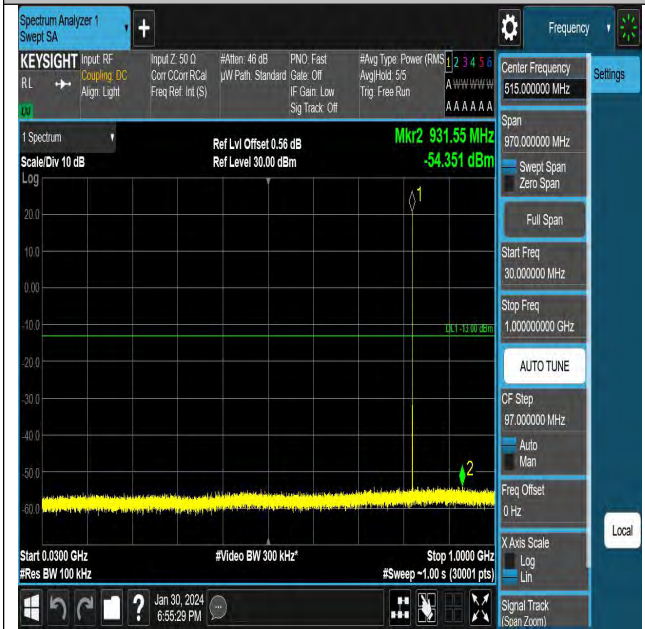
GPRS850-251-5-1000~10000MHz-PASS



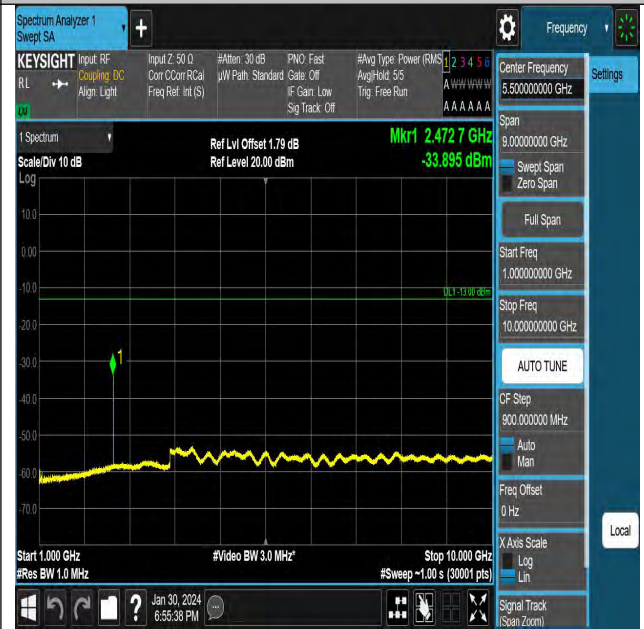
EGPRS850-128-8-0.009~0.15MHz-PASS



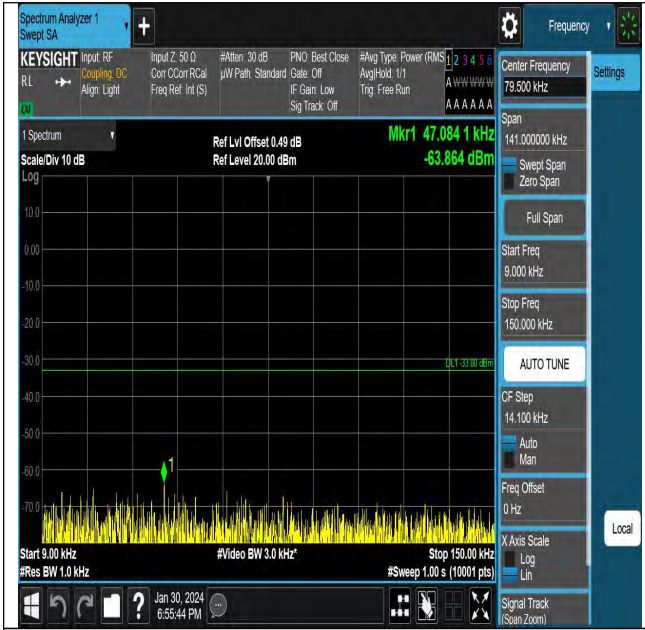
EGPRS850-128-8-0.15~30MHz-PASS



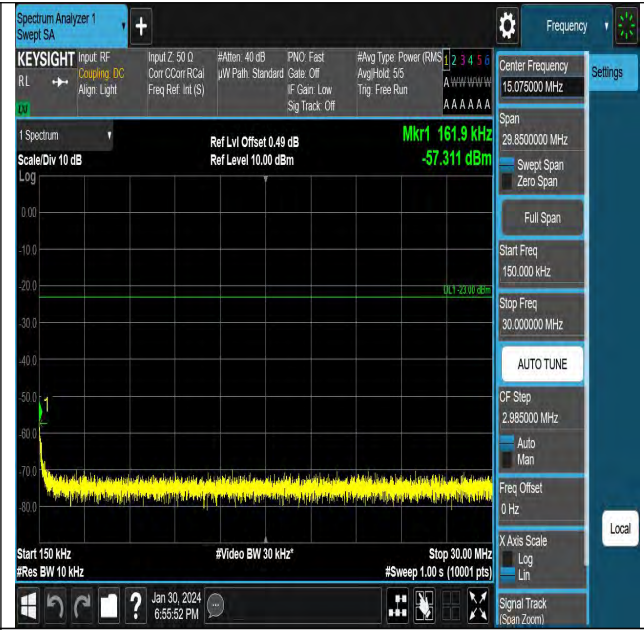
EGPRS850-128-8-30~1000MHz-PASS



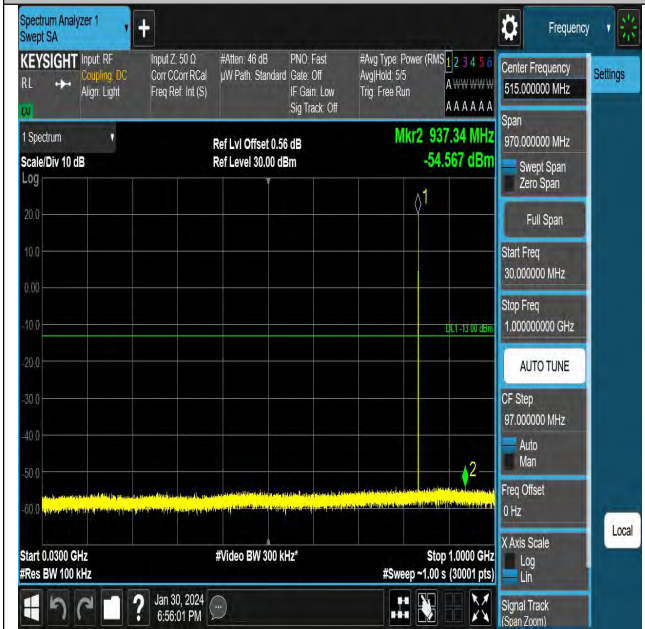
EGPRS850-128-8-1000~10000MHz-PASS



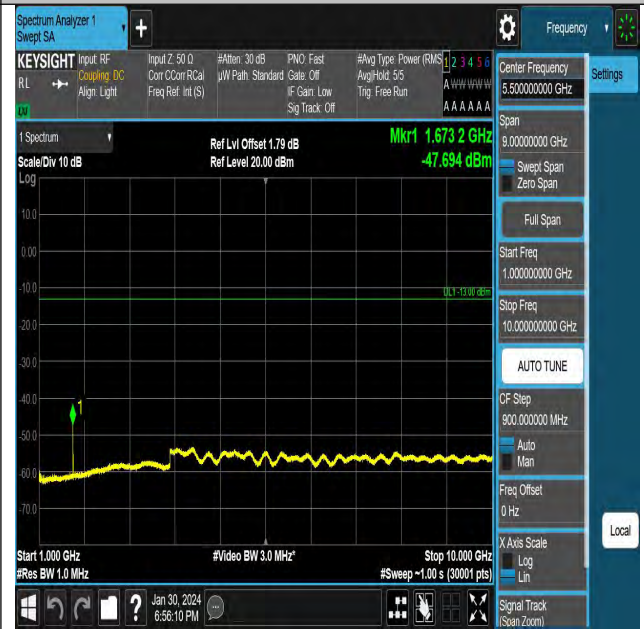
EGPRS850-190-8-0.009~0.15MHz-PASS



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



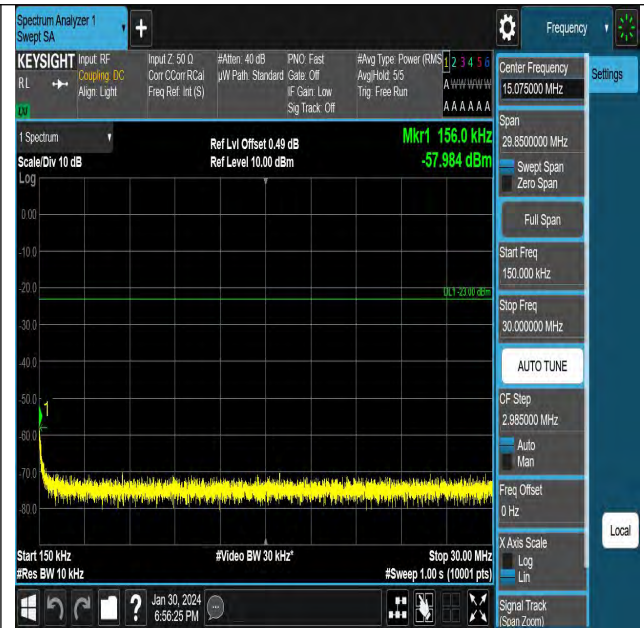
EGPRS850-190-8-30~1000MHz-PASS



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

Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	VN	NT	-14.28	-0.017326	±2.5	PASS
GSM850	128	VL	NT	-11.97	-0.014523	±2.5	PASS
GSM850	128	VH	NT	-3.41	-0.004137	±2.5	PASS
GSM850	190	VN	NT	-3.64	-0.004351	±2.5	PASS
GSM850	190	VL	NT	-5.28	-0.006311	±2.5	PASS
GSM850	190	VH	NT	-1.57	-0.001877	±2.5	PASS
GSM850	251	VN	NT	-4.33	-0.005101	±2.5	PASS
GSM850	251	VL	NT	-8.50	-0.010014	±2.5	PASS
GSM850	251	VH	NT	-5.61	-0.006609	±2.5	PASS
GPRS850	128	VN	NT	-12.28	-0.014899	±2.5	PASS
GPRS850	128	VL	NT	-9.23	-0.011199	±2.5	PASS
GPRS850	128	VH	NT	-11.09	-0.013455	±2.5	PASS
GPRS850	190	VN	NT	-16.96	-0.020273	±2.5	PASS
GPRS850	190	VL	NT	-12.64	-0.015109	±2.5	PASS
GPRS850	190	VH	NT	-12.89	-0.015408	±2.5	PASS
GPRS850	251	VN	NT	-16.52	-0.019463	±2.5	PASS
GPRS850	251	VL	NT	-8.27	-0.009743	±2.5	PASS
GPRS850	251	VH	NT	-4.92	-0.005796	±2.5	PASS
EGPRS850	128	VN	NT	-11.86	-0.014390	±2.5	PASS
EGPRS850	128	VL	NT	-10.98	-0.013322	±2.5	PASS
EGPRS850	128	VH	NT	-10.27	-0.012461	±2.5	PASS
EGPRS850	190	VN	NT	-15.24	-0.018217	±2.5	PASS
EGPRS850	190	VL	NT	-2.82	-0.003371	±2.5	PASS
EGPRS850	190	VH	NT	-2.36	-0.002821	±2.5	PASS
EGPRS850	251	VN	NT	-11.93	-0.014055	±2.5	PASS
EGPRS850	251	VL	NT	-11.55	-0.013607	±2.5	PASS
EGPRS850	251	VH	NT	-11.88	-0.013996	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	NV	-30	-10.01	-0.012145	±2.5	PASS
GSM850	128	NV	-20	-9.54	-0.011575	±2.5	PASS
GSM850	128	NV	-10	-3.56	-0.004319	±2.5	PASS
GSM850	128	NV	0	-4.85	-0.005884	±2.5	PASS

GSM850	128	NV	10	-4.02	-0.004877	±2.5	PASS
GSM850	128	NV	20	-5.07	-0.006151	±2.5	PASS
GSM850	128	NV	30	-3.14	-0.003810	±2.5	PASS
GSM850	128	NV	40	-5.18	-0.006285	±2.5	PASS
GSM850	128	NV	50	-10.82	-0.013128	±2.5	PASS
GSM850	190	NV	-30	-0.03	-0.000036	±2.5	PASS
GSM850	190	NV	-20	-8.84	-0.010567	±2.5	PASS
GSM850	190	NV	-10	-5.55	-0.006634	±2.5	PASS
GSM850	190	NV	0	0.24	0.000287	±2.5	PASS
GSM850	190	NV	10	-1.21	-0.001446	±2.5	PASS
GSM850	190	NV	20	-1.81	-0.002164	±2.5	PASS
GSM850	190	NV	30	-3.36	-0.004016	±2.5	PASS
GSM850	190	NV	40	-6.02	-0.007196	±2.5	PASS
GSM850	190	NV	50	-4.32	-0.005164	±2.5	PASS
GSM850	251	NV	-30	-9.32	-0.010980	±2.5	PASS
GSM850	251	NV	-20	-2.84	-0.003346	±2.5	PASS
GSM850	251	NV	-10	-7.92	-0.009331	±2.5	PASS
GSM850	251	NV	0	-3.72	-0.004383	±2.5	PASS
GSM850	251	NV	10	-1.62	-0.001909	±2.5	PASS
GSM850	251	NV	20	-5.39	-0.006350	±2.5	PASS
GSM850	251	NV	30	-5.54	-0.006527	±2.5	PASS
GSM850	251	NV	40	-5.27	-0.006209	±2.5	PASS
GSM850	251	NV	50	-4.82	-0.005679	±2.5	PASS
GPRS850	128	NV	-30	-9.71	-0.011781	±2.5	PASS
GPRS850	128	NV	-20	-10.19	-0.012364	±2.5	PASS
GPRS850	128	NV	-10	-12.85	-0.015591	±2.5	PASS
GPRS850	128	NV	0	-10.87	-0.013189	±2.5	PASS
GPRS850	128	NV	10	-9.54	-0.011575	±2.5	PASS
GPRS850	128	NV	20	-10.60	-0.012861	±2.5	PASS
GPRS850	128	NV	30	-11.10	-0.013468	±2.5	PASS
GPRS850	128	NV	40	-14.76	-0.017908	±2.5	PASS
GPRS850	128	NV	50	-13.61	-0.016513	±2.5	PASS
GPRS850	190	NV	-30	-10.94	-0.013077	±2.5	PASS
GPRS850	190	NV	-20	-8.99	-0.010746	±2.5	PASS
GPRS850	190	NV	-10	-8.72	-0.010423	±2.5	PASS
GPRS850	190	NV	0	-4.51	-0.005391	±2.5	PASS
GPRS850	190	NV	10	-3.29	-0.003933	±2.5	PASS
GPRS850	190	NV	20	-2.37	-0.002833	±2.5	PASS
GPRS850	190	NV	30	-9.02	-0.010782	±2.5	PASS
GPRS850	190	NV	40	-10.09	-0.012061	±2.5	PASS
GPRS850	190	NV	50	-8.81	-0.010531	±2.5	PASS

GPRS850	251	NV	-30	-4.74	-0.005584	±2.5	PASS
GPRS850	251	NV	-20	-3.45	-0.004065	±2.5	PASS
GPRS850	251	NV	-10	-10.07	-0.011864	±2.5	PASS
GPRS850	251	NV	0	-9.52	-0.011216	±2.5	PASS
GPRS850	251	NV	10	-10.53	-0.012406	±2.5	PASS
GPRS850	251	NV	20	-8.52	-0.010038	±2.5	PASS
GPRS850	251	NV	30	-9.80	-0.011546	±2.5	PASS
GPRS850	251	NV	40	-9.64	-0.011357	±2.5	PASS
GPRS850	251	NV	50	-6.18	-0.007281	±2.5	PASS
EGPRS850	128	NV	-30	-10.48	-0.012715	±2.5	PASS
EGPRS850	128	NV	-20	-9.37	-0.011369	±2.5	PASS
EGPRS850	128	NV	-10	-8.37	-0.010155	±2.5	PASS
EGPRS850	128	NV	0	-7.91	-0.009597	±2.5	PASS
EGPRS850	128	NV	10	-9.58	-0.011623	±2.5	PASS
EGPRS850	128	NV	20	-9.30	-0.011284	±2.5	PASS
EGPRS850	128	NV	30	-11.84	-0.014365	±2.5	PASS
EGPRS850	128	NV	40	-12.26	-0.014875	±2.5	PASS
EGPRS850	128	NV	50	-14.78	-0.017933	±2.5	PASS
EGPRS850	190	NV	-30	-0.67	-0.000801	±2.5	PASS
EGPRS850	190	NV	-20	-0.07	-0.000084	±2.5	PASS
EGPRS850	190	NV	-10	-14.44	-0.017260	±2.5	PASS
EGPRS850	190	NV	0	-12.17	-0.014547	±2.5	PASS
EGPRS850	190	NV	10	-12.19	-0.014571	±2.5	PASS
EGPRS850	190	NV	20	-10.51	-0.012563	±2.5	PASS
EGPRS850	190	NV	30	-9.57	-0.011439	±2.5	PASS
EGPRS850	190	NV	40	-10.16	-0.012144	±2.5	PASS
EGPRS850	190	NV	50	-7.84	-0.009371	±2.5	PASS
EGPRS850	251	NV	-30	-9.73	-0.011463	±2.5	PASS
EGPRS850	251	NV	-20	-6.93	-0.008164	±2.5	PASS
EGPRS850	251	NV	-10	-5.64	-0.006645	±2.5	PASS
EGPRS850	251	NV	0	-6.19	-0.007293	±2.5	PASS
EGPRS850	251	NV	10	-4.50	-0.005302	±2.5	PASS
EGPRS850	251	NV	20	-1.33	-0.001567	±2.5	PASS
EGPRS850	251	NV	30	1.06	0.001249	±2.5	PASS
EGPRS850	251	NV	40	1.17	0.001378	±2.5	PASS
EGPRS850	251	NV	50	-5.80	-0.006833	±2.5	PASS