

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	Power (dBm)	Gain (dBi)	E(I)RP (dBm)	Limit (dBm)	Verdict
GSM850	128	32.21	2.13	32.19	38.45	PASS
GSM850	190	32.22	2.13	32.2	38.45	PASS
GSM850	251	32.15	2.13	32.13	38.45	PASS

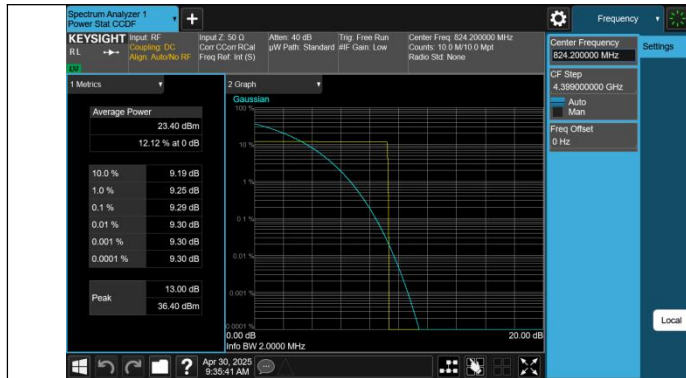
Band	Channel	Up Slot Num	Power(dBm)	Gain (dBi)	E(I)RP (dBm)	Limit (dBm)	Verdict
GPRS850	128	1	32.23	2.13	32.21	38.45	PASS
GPRS850	190	1	32.21	2.13	32.19	38.45	PASS
GPRS850	251	1	32.14	2.13	32.12	38.45	PASS
GPRS850	128	2	31.57	2.13	31.55	38.45	PASS
GPRS850	190	2	31.52	2.13	31.5	38.45	PASS
GPRS850	251	2	31.42	2.13	31.4	38.45	PASS
GPRS850	128	3	29.71	2.13	29.69	38.45	PASS
GPRS850	190	3	29.71	2.13	29.69	38.45	PASS
GPRS850	251	3	29.69	2.13	29.67	38.45	PASS
GPRS850	128	4	28.78	2.13	28.76	38.45	PASS
GPRS850	190	4	28.79	2.13	28.77	38.45	PASS
GPRS850	251	4	28.79	2.13	28.77	38.45	PASS

Peak-to-Average Ratio(CCDF)

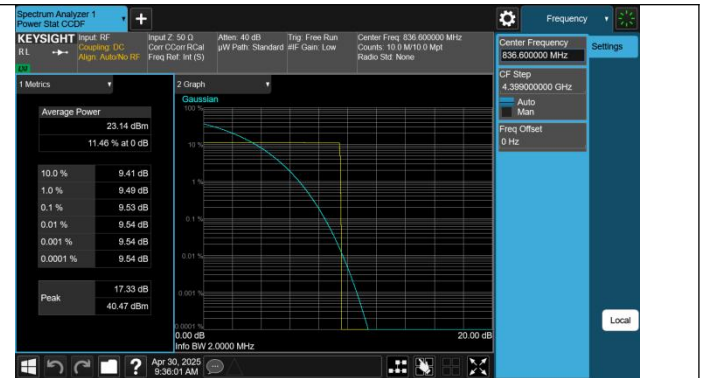
Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	128	9.29	13	PASS
GSM850	190	9.53	13	PASS
GSM850	251	9.41	13	PASS
GPRS850	128	9.57	13	PASS
GPRS850	190	9.72	13	PASS
GPRS850	251	9.58	13	PASS

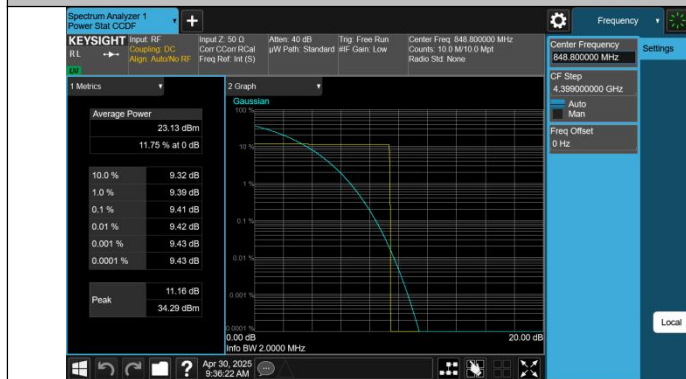
Test Graphs



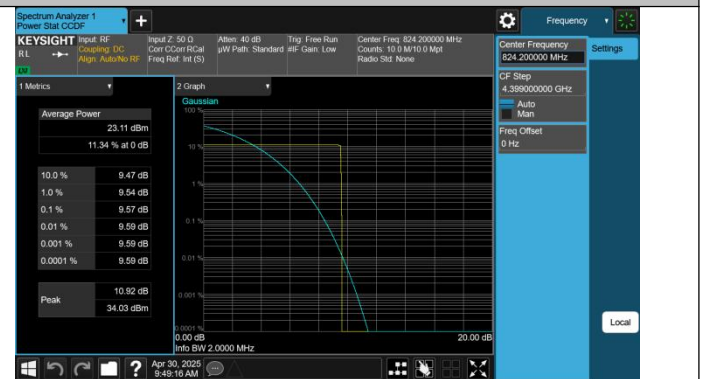
GSM850-128-5-PASS



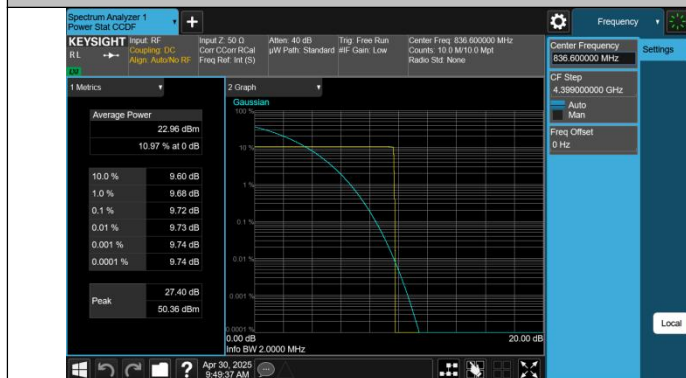
GSM850-190-5-PASS



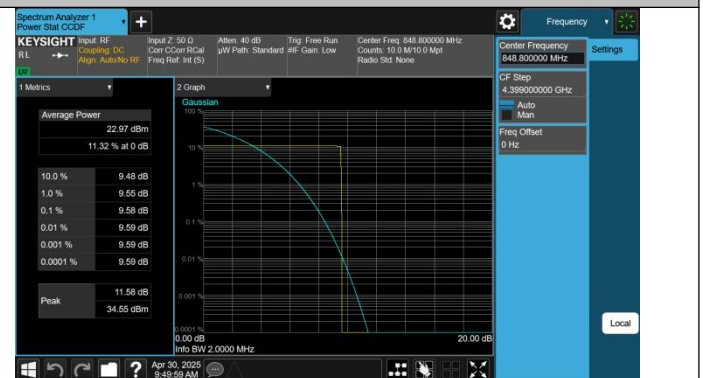
GSM850-251-5-PASS



GPRS850-128-5-PASS



GPRS850-190-5-PASS



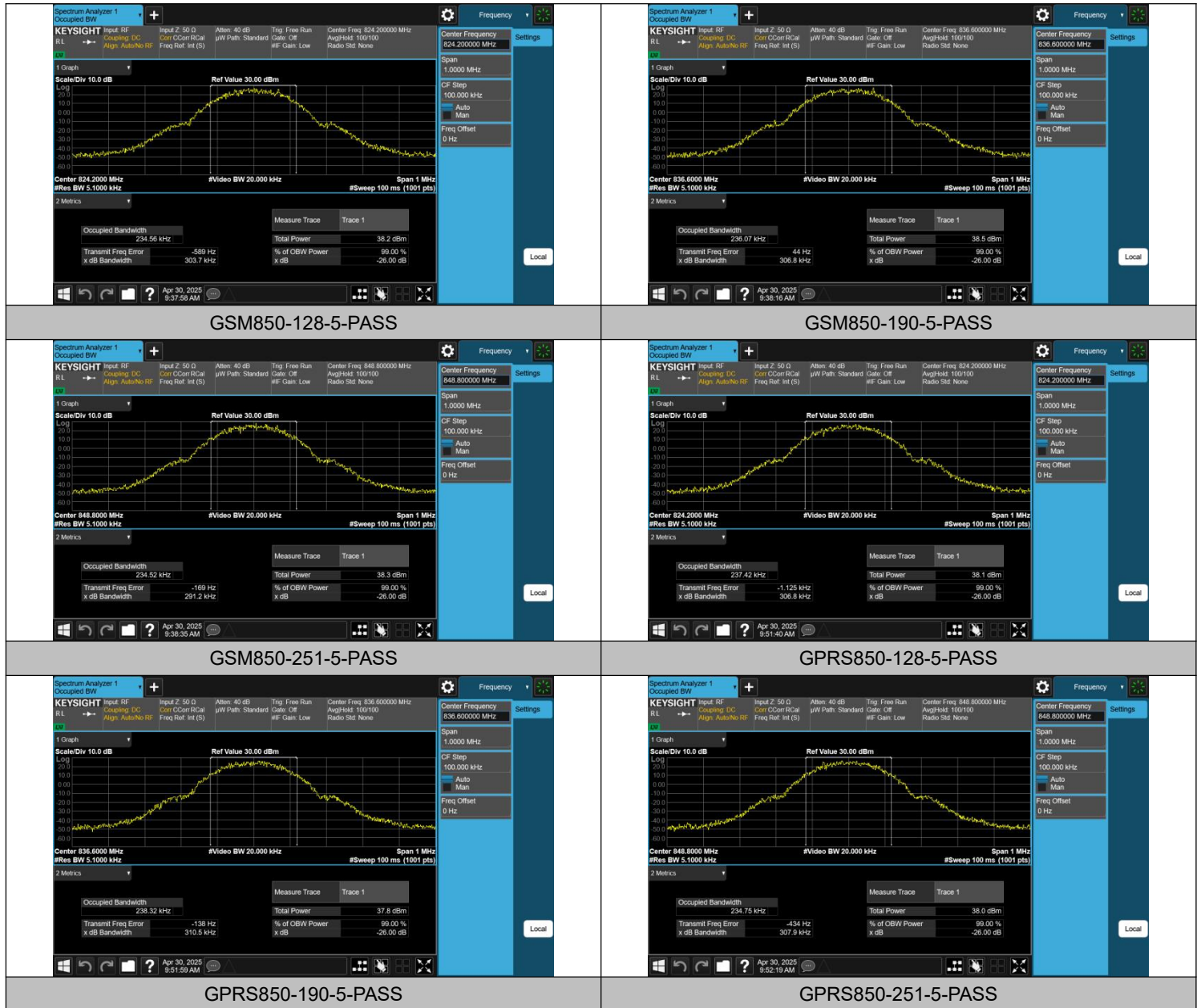
GPRS850-251-5-PASS

26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
GSM850	128	0.23456	0.3037	PASS
GSM850	190	0.23607	0.3068	PASS
GSM850	251	0.23452	0.2912	PASS
GPRS850	128	0.23742	0.3068	PASS
GPRS850	190	0.23832	0.3105	PASS
GPRS850	251	0.23475	0.3079	PASS

Test Graphs



Band Edge

Test Graphs



GSM850-128-5-PASS



GSM850-251-5-PASS



GPRS850-128-5-PASS



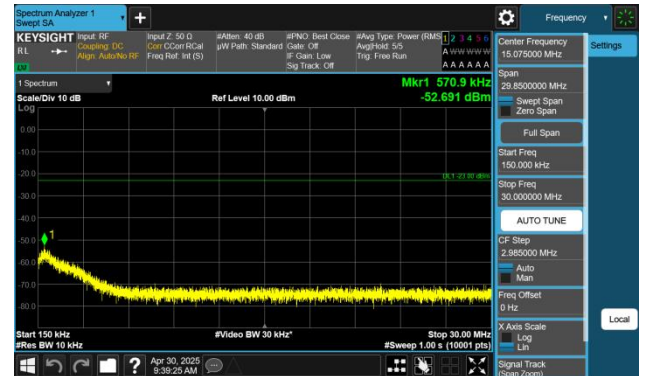
GPRS850-251-5-PASS

Conducted Spurious Emission

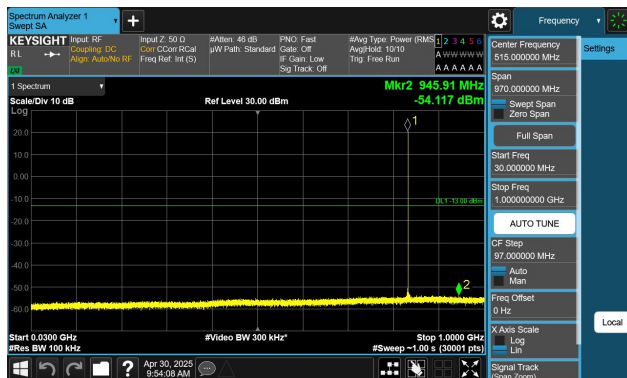
Test Graphs



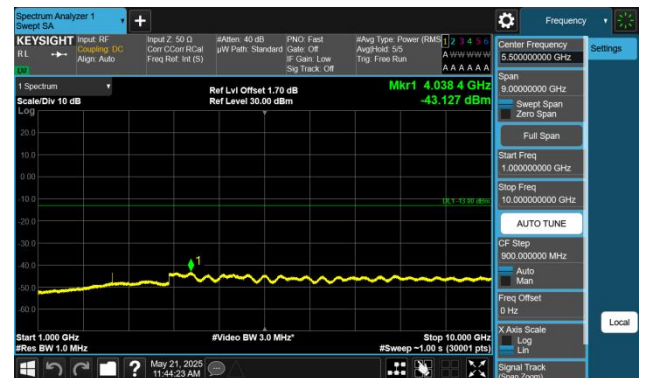
GSM850-128-5-0.009~0.15MHz-PASS



GSM850-128-5-0.15~30MHz-PASS



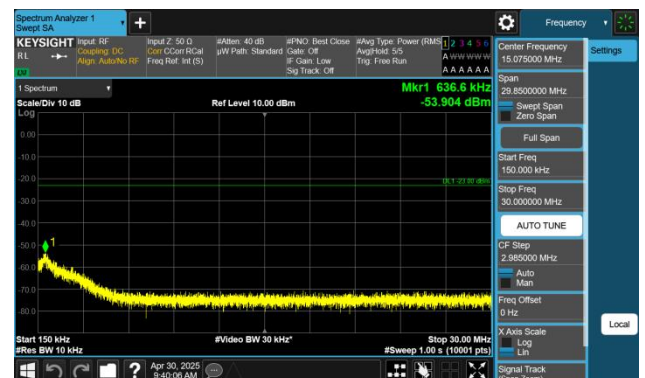
GSM850-128-5-30~1000MHz-PASS



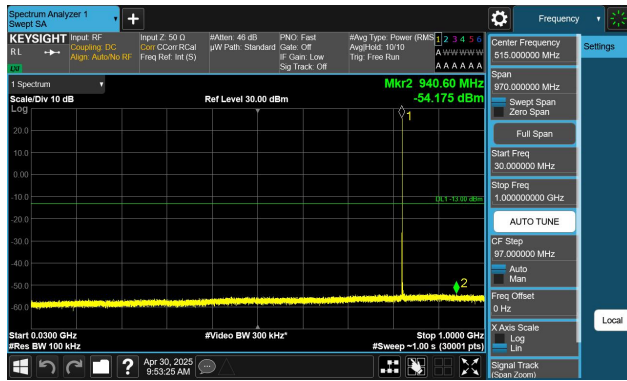
GSM850-128-5-1000~10000MHz-PASS



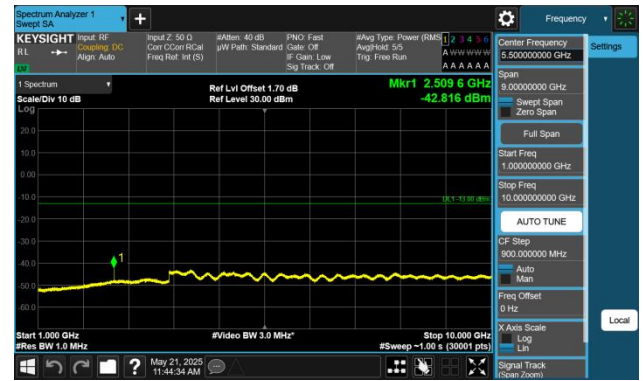
GSM850-190-5-0.009~0.15MHz-PASS



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



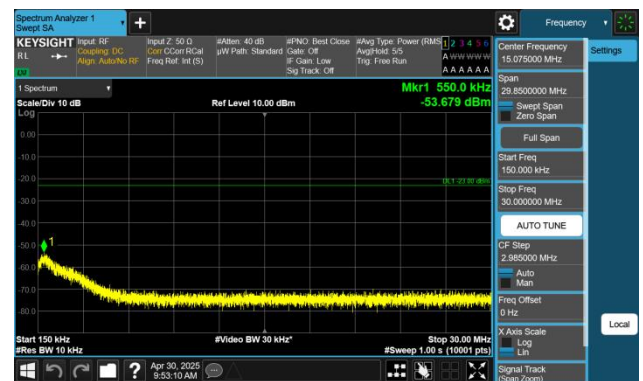
GSM850-251-5-0.15~30MHz-PASS



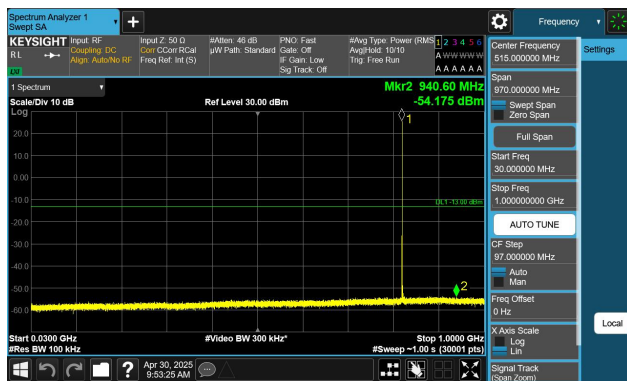
GSM850-251-5-30~1000MHz-PASS



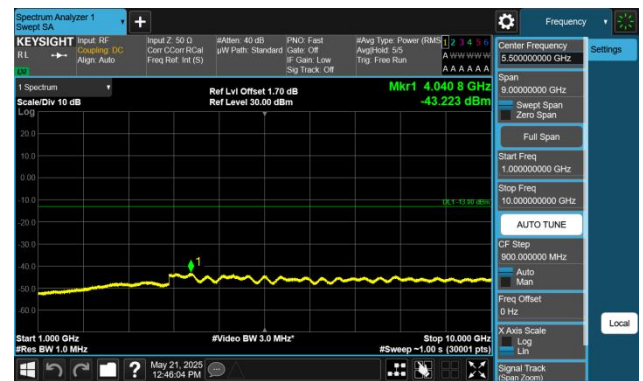
GSM850-251-5-1000~10000MHz-PASS



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



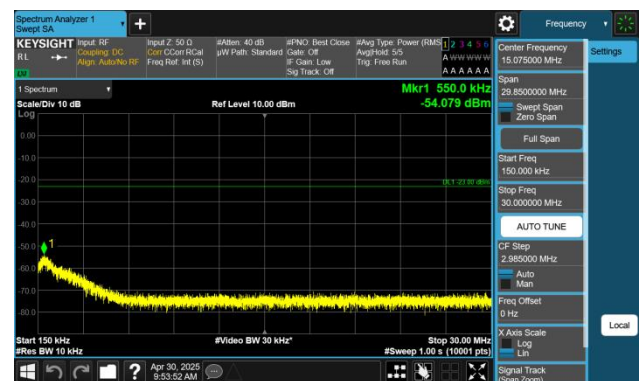
GPRS850-128-5-0.15~30MHz-PASS



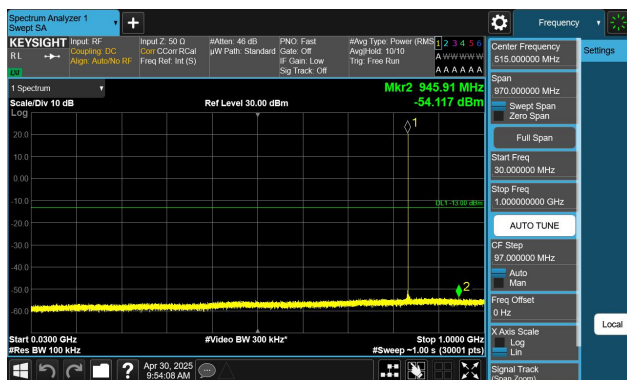
GPRS850-128-5-30~1000MHz-PASS



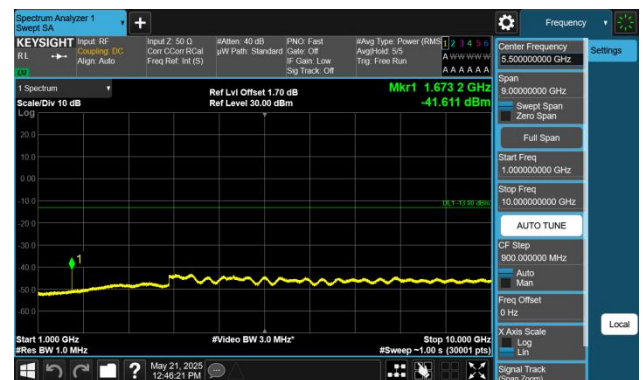
GPRS850-128-5-1000~10000MHz-PASS



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



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

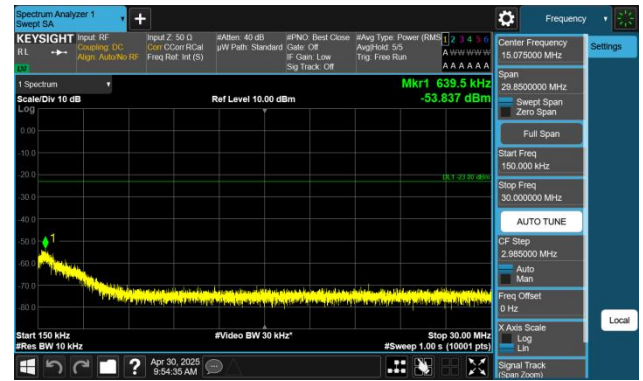


GPRS850-190-5-30~1000MHz-PASS

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



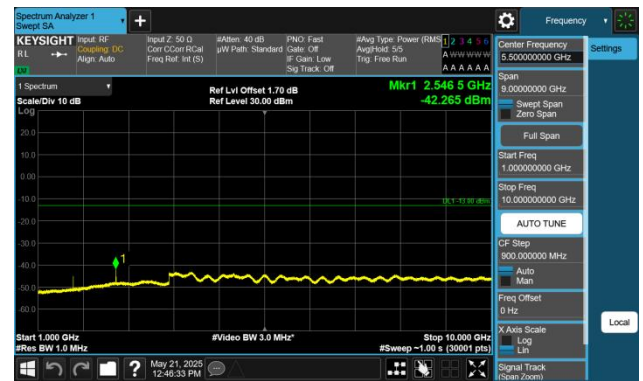
GPRS850-251-5-0.009~0.15MHz-PASS



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



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



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

Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	VN	NT	-3.04	-0.003688	±2.5	PASS
GSM850	128	VL	NT	-4.29	-0.005205	±2.5	PASS
GSM850	128	VH	NT	-4.14	-0.005023	±2.5	PASS
GSM850	190	VN	NT	-4.99	-0.005965	±2.5	PASS
GSM850	190	VL	NT	-4.93	-0.005893	±2.5	PASS
GSM850	190	VH	NT	-3.84	-0.004590	±2.5	PASS
GSM850	251	VN	NT	-6.05	-0.007128	±2.5	PASS
GSM850	251	VL	NT	-5.46	-0.006433	±2.5	PASS
GSM850	251	VH	NT	-5.25	-0.006185	±2.5	PASS
GPRS850	128	VN	NT	-3.04	-0.003688	±2.5	PASS
GPRS850	128	VL	NT	-3.07	-0.003725	±2.5	PASS
GPRS850	128	VH	NT	-2.23	-0.002706	±2.5	PASS
GPRS850	190	VN	NT	-4.02	-0.004805	±2.5	PASS
GPRS850	190	VL	NT	-3.80	-0.004542	±2.5	PASS
GPRS850	190	VH	NT	-4.23	-0.005056	±2.5	PASS
GPRS850	251	VN	NT	-6.34	-0.007469	±2.5	PASS
GPRS850	251	VL	NT	-5.08	-0.005985	±2.5	PASS
GPRS850	251	VH	NT	-5.34	-0.006291	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	NV	-30	-3.92	-0.004756	±2.5	PASS
GSM850	128	NV	-20	-4.11	-0.004987	±2.5	PASS
GSM850	128	NV	-10	-3.74	-0.004538	±2.5	PASS
GSM850	128	NV	0	-4.19	-0.005084	±2.5	PASS
GSM850	128	NV	10	-4.52	-0.005484	±2.5	PASS
GSM850	128	NV	20	-3.92	-0.004756	±2.5	PASS
GSM850	128	NV	30	-3.90	-0.004732	±2.5	PASS
GSM850	128	NV	40	-3.82	-0.004635	±2.5	PASS
GSM850	128	NV	50	-4.19	-0.005084	±2.5	PASS
GSM850	190	NV	-30	-3.86	-0.004614	±2.5	PASS
GSM850	190	NV	-20	-4.48	-0.005355	±2.5	PASS
GSM850	190	NV	-10	-4.77	-0.005702	±2.5	PASS
GSM850	190	NV	0	-5.01	-0.005989	±2.5	PASS
GSM850	190	NV	10	-4.65	-0.005558	±2.5	PASS

GSM850	190	NV	20	-4.37	-0.005224	±2.5	PASS
GSM850	190	NV	30	-4.04	-0.004829	±2.5	PASS
GSM850	190	NV	40	-4.71	-0.005630	±2.5	PASS
GSM850	190	NV	50	-4.27	-0.005104	±2.5	PASS
GSM850	251	NV	-30	-6.40	-0.007540	±2.5	PASS
GSM850	251	NV	-20	-6.48	-0.007634	±2.5	PASS
GSM850	251	NV	-10	-5.65	-0.006656	±2.5	PASS
GSM850	251	NV	0	-5.83	-0.006869	±2.5	PASS
GSM850	251	NV	10	-3.96	-0.004665	±2.5	PASS
GSM850	251	NV	20	-6.09	-0.007175	±2.5	PASS
GSM850	251	NV	30	-6.18	-0.007281	±2.5	PASS
GSM850	251	NV	40	-5.94	-0.006998	±2.5	PASS
GSM850	251	NV	50	-5.00	-0.005891	±2.5	PASS
GPRS850	128	NV	-30	-2.38	-0.002888	±2.5	PASS
GPRS850	128	NV	-20	-2.67	-0.003240	±2.5	PASS
GPRS850	128	NV	-10	-3.89	-0.004720	±2.5	PASS
GPRS850	128	NV	0	-2.50	-0.003033	±2.5	PASS
GPRS850	128	NV	10	-4.03	-0.004890	±2.5	PASS
GPRS850	128	NV	20	-4.95	-0.006006	±2.5	PASS
GPRS850	128	NV	30	-4.87	-0.005909	±2.5	PASS
GPRS850	128	NV	40	-4.17	-0.005059	±2.5	PASS
GPRS850	128	NV	50	-4.25	-0.005157	±2.5	PASS
GPRS850	190	NV	-30	-4.30	-0.005140	±2.5	PASS
GPRS850	190	NV	-20	-4.32	-0.005164	±2.5	PASS
GPRS850	190	NV	-10	-3.55	-0.004243	±2.5	PASS
GPRS850	190	NV	0	-3.04	-0.003634	±2.5	PASS
GPRS850	190	NV	10	-3.99	-0.004769	±2.5	PASS
GPRS850	190	NV	20	-3.13	-0.003741	±2.5	PASS
GPRS850	190	NV	30	-2.75	-0.003287	±2.5	PASS
GPRS850	190	NV	40	-3.26	-0.003897	±2.5	PASS
GPRS850	190	NV	50	-2.76	-0.003299	±2.5	PASS
GPRS850	251	NV	-30	-5.66	-0.006668	±2.5	PASS
GPRS850	251	NV	-20	-6.42	-0.007564	±2.5	PASS
GPRS850	251	NV	-10	-5.12	-0.006032	±2.5	PASS
GPRS850	251	NV	0	-4.81	-0.005667	±2.5	PASS
GPRS850	251	NV	10	-5.58	-0.006574	±2.5	PASS
GPRS850	251	NV	20	-4.54	-0.005349	±2.5	PASS
GPRS850	251	NV	30	-5.70	-0.006715	±2.5	PASS
GPRS850	251	NV	40	-5.78	-0.006810	±2.5	PASS
GPRS850	251	NV	50	-5.60	-0.006598	±2.5	PASS

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