

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	Power (dBm)	Gain(dBi)	E(I)RP (dBm)	Limit(dBm)	Verdict
GSM850	128	32.62	0.3	30.77	38.45	PASS
GSM850	190	32.71	0.3	30.86	38.45	PASS
GSM850	251	32.63	0.3	30.78	38.45	PASS

Band	Channel	Up Slot Num	Power(dBm)	Gain(dBi)	E(I)RP (dBm)	Limit(dBm)	Verdict
GPRS850	128	1	32.55	0.3	30.7	38.45	PASS
GPRS850	190	1	32.54	0.3	30.69	38.45	PASS
GPRS850	251	1	32.43	0.3	30.58	38.45	PASS
GPRS850	128	2	31.25	0.3	29.4	38.45	PASS
GPRS850	190	2	31.3	0.3	29.45	38.45	PASS
GPRS850	251	2	31.15	0.3	29.3	38.45	PASS
GPRS850	128	3	28.69	0.3	26.84	38.45	PASS
GPRS850	190	3	28.73	0.3	26.88	38.45	PASS
GPRS850	251	3	28.55	0.3	26.7	38.45	PASS
GPRS850	128	4	28.23	0.3	26.38	38.45	PASS
GPRS850	190	4	27.4	0.3	25.55	38.45	PASS
GPRS850	251	4	28.1	0.3	26.25	38.45	PASS

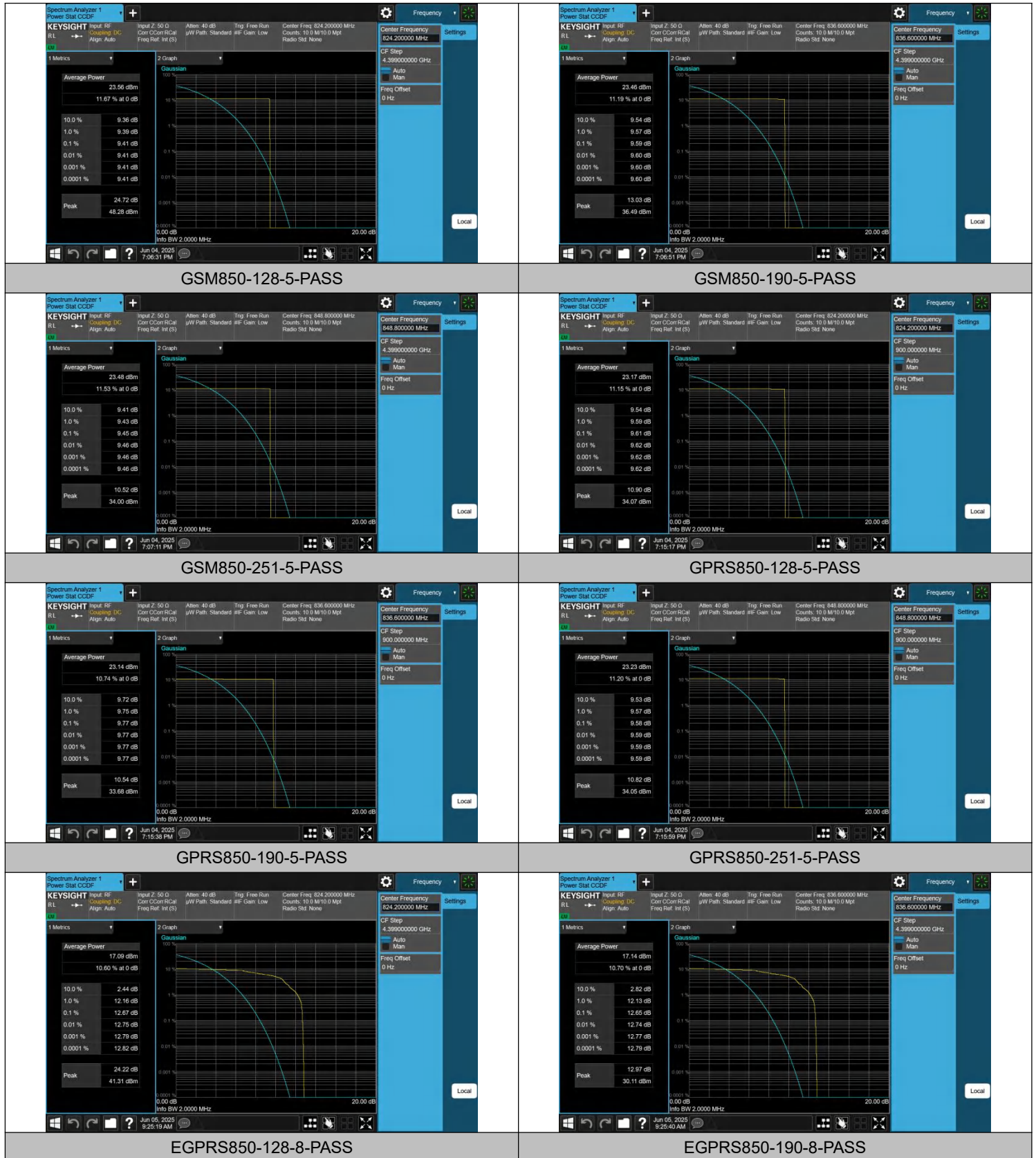
Band	Channel	Up Slot Num	Power(dBm)	Gain(dBi)	E(I)RP (dBm)	Limit(dBm)	Verdict
EGPRS850	128	1	26.41	0.3	24.56	38.45	PASS
EGPRS850	190	1	26.36	0.3	24.51	38.45	PASS
EGPRS850	251	1	26.21	0.3	24.36	38.45	PASS
EGPRS850	128	2	25.71	0.3	23.86	38.45	PASS
EGPRS850	190	2	25.64	0.3	23.79	38.45	PASS
EGPRS850	251	2	25.54	0.3	23.69	38.45	PASS
EGPRS850	128	3	23.99	0.3	22.14	38.45	PASS
EGPRS850	190	3	23.96	0.3	22.11	38.45	PASS
EGPRS850	251	3	23.87	0.3	22.02	38.45	PASS
EGPRS850	128	4	22.76	0.3	20.91	38.45	PASS
EGPRS850	190	4	22.84	0.3	20.99	38.45	PASS
EGPRS850	251	4	22.73	0.3	20.88	38.45	PASS

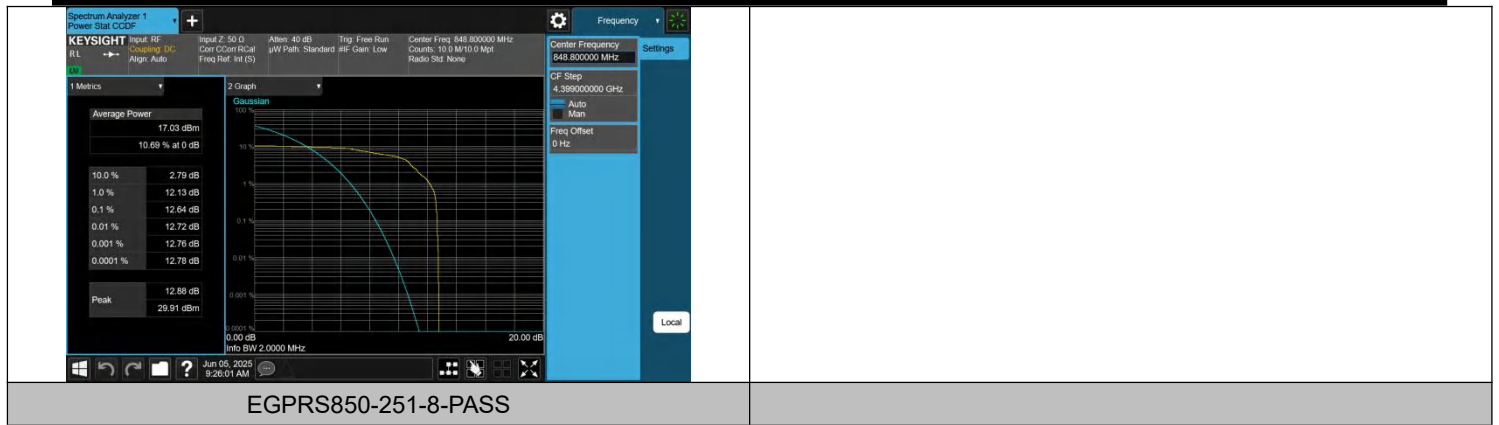
Peak-to-Average Ratio(CCDF)

Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	128	9.41	13	PASS
GSM850	190	9.59	13	PASS
GSM850	251	9.45	13	PASS
GPRS850	128	9.61	13	PASS
GPRS850	190	9.77	13	PASS
GPRS850	251	9.58	13	PASS
EGPRS850	128	12.67	13	PASS
EGPRS850	190	12.65	13	PASS
EGPRS850	251	12.64	13	PASS

Test Graphs



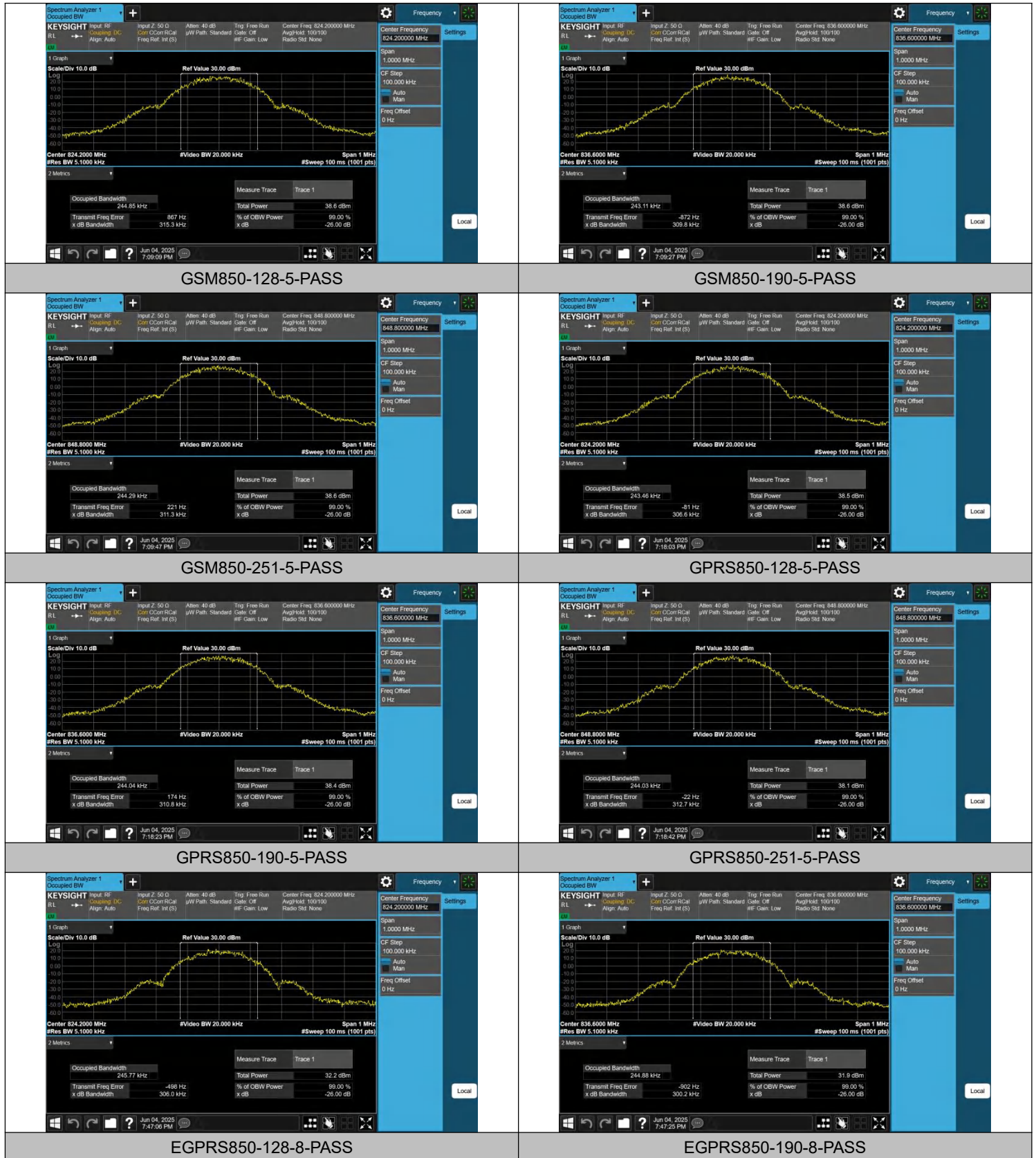


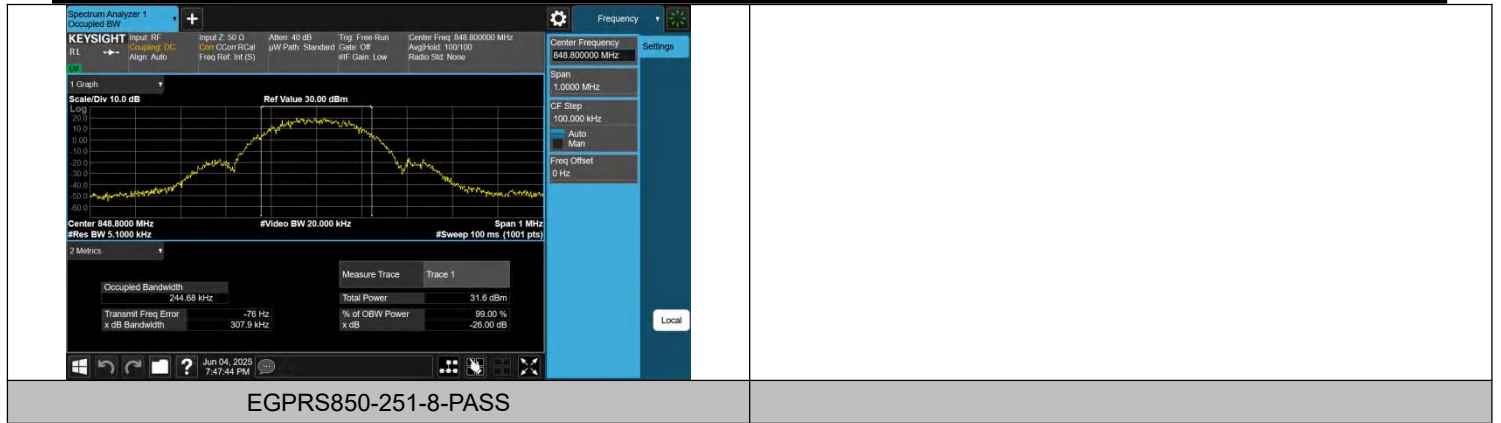
26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
GSM850	128	0.24485	0.3153	PASS
GSM850	190	0.24311	0.3098	PASS
GSM850	251	0.24429	0.3113	PASS
GPRS850	128	0.24346	0.3066	PASS
GPRS850	190	0.24404	0.3108	PASS
GPRS850	251	0.24403	0.3127	PASS
EGPRS850	128	0.24577	0.3060	PASS
EGPRS850	190	0.24488	0.3002	PASS
EGPRS850	251	0.24468	0.3079	PASS

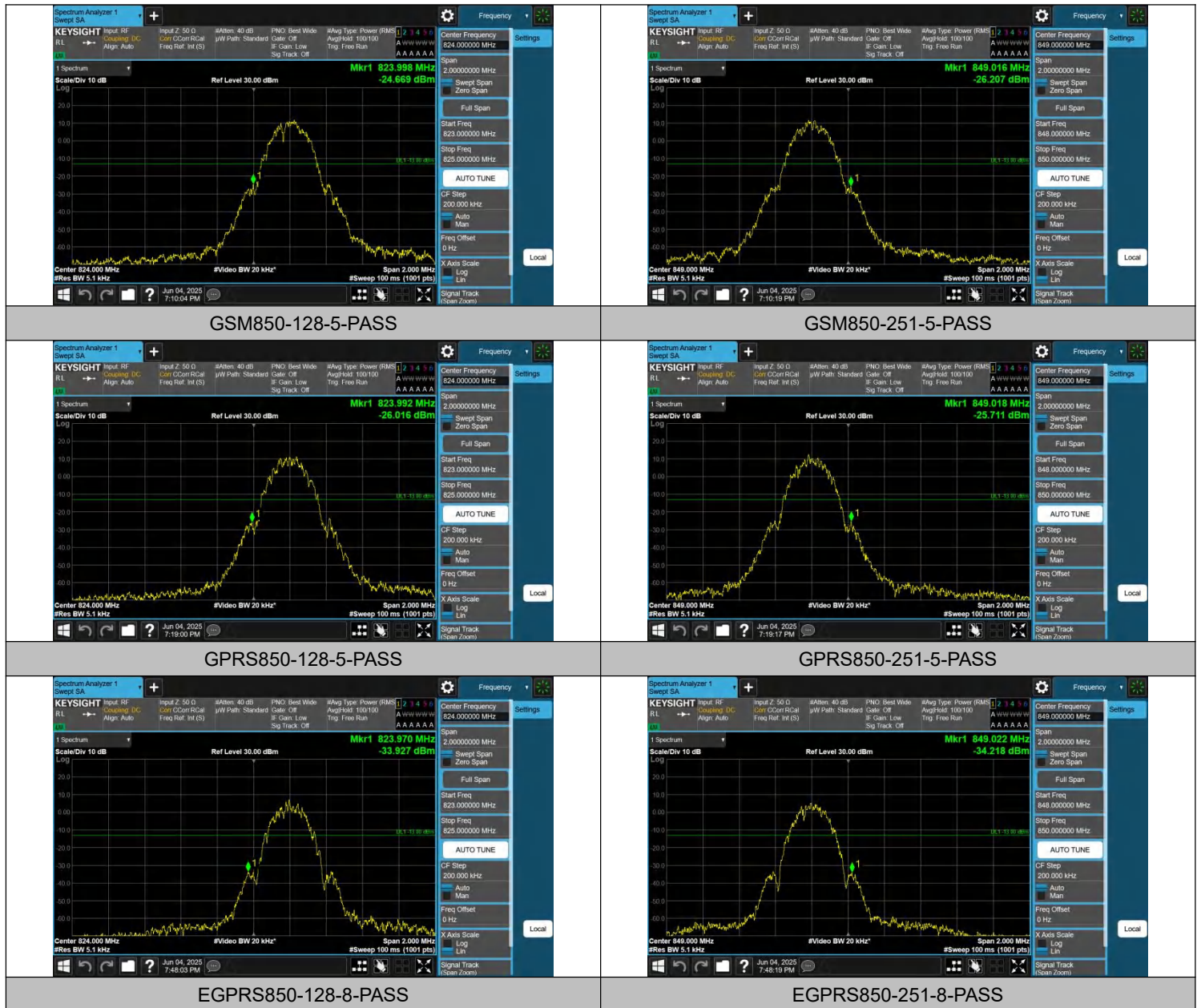
Test Graphs





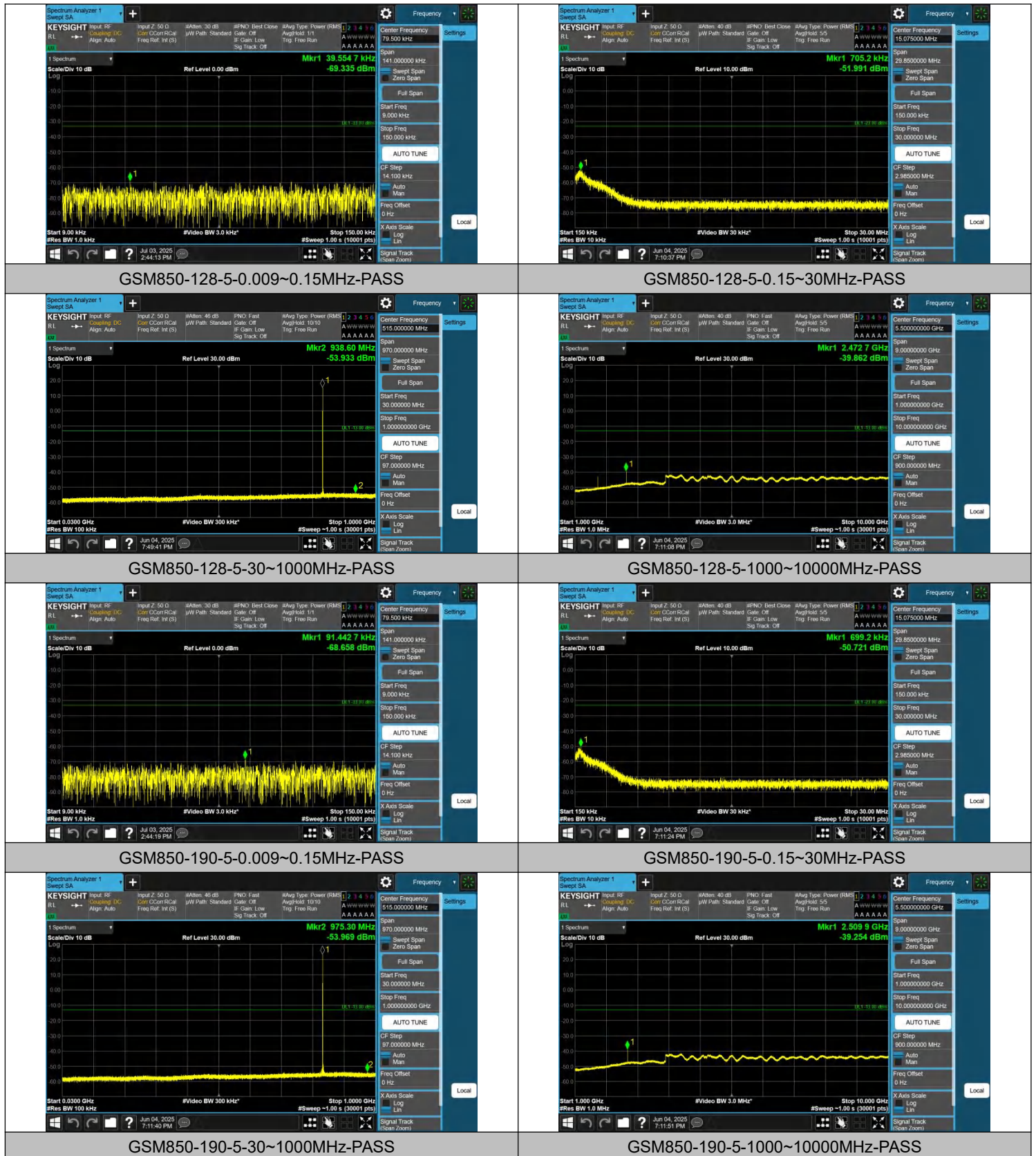
Band Edge

Test Graphs



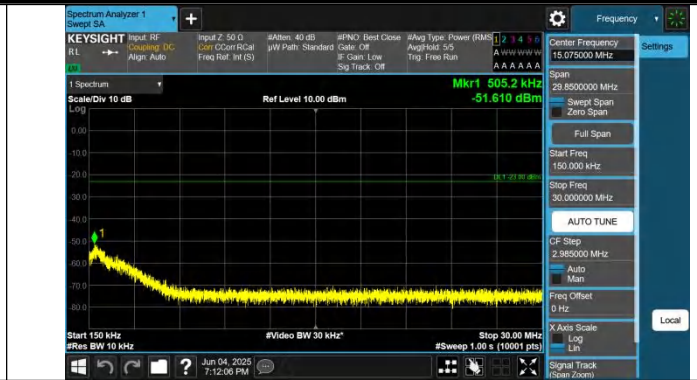
Conducted Spurious Emission

Test Graphs

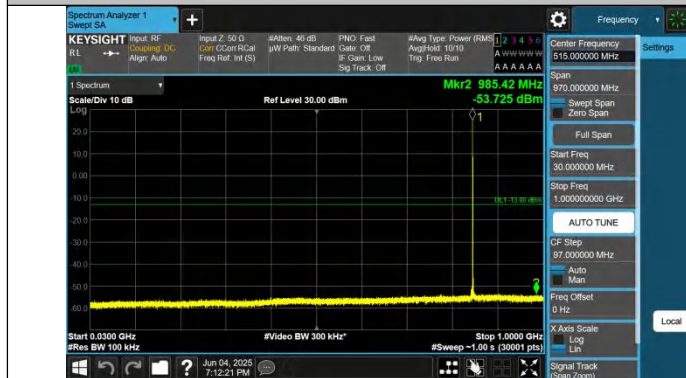




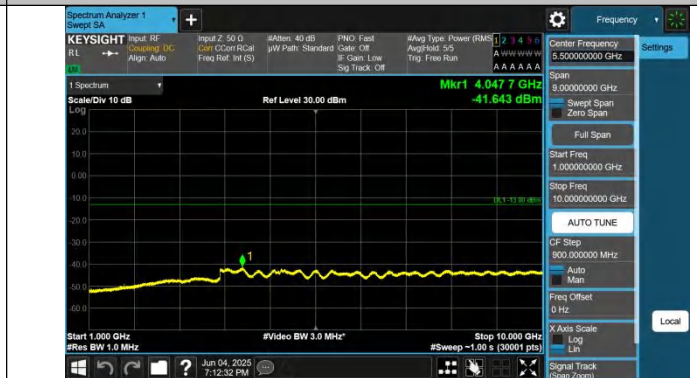
GSM850-251-5-0.009~0.15MHz-PASS



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



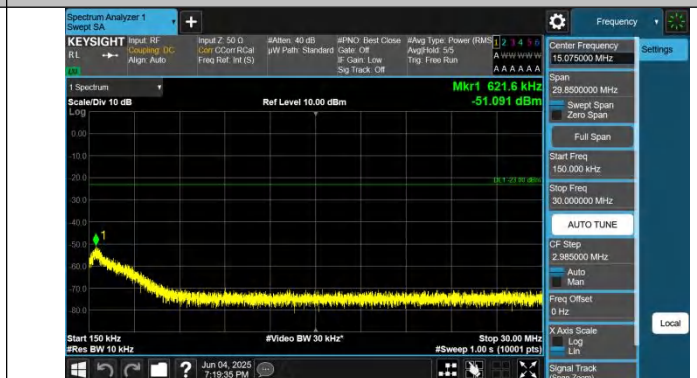
GSM850-251-5-30~1000MHz-PASS



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



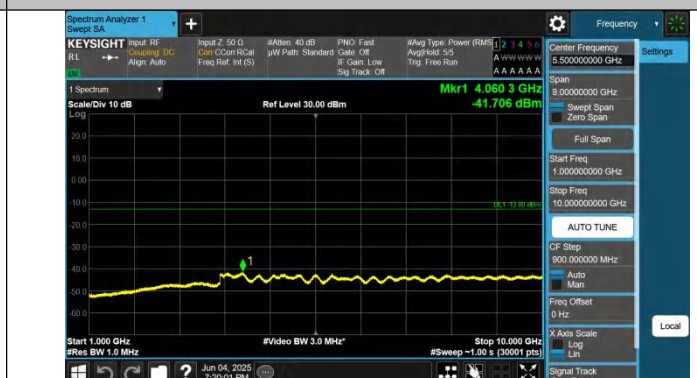
GPRS850-128-5-0.009~0.15MHz-PASS



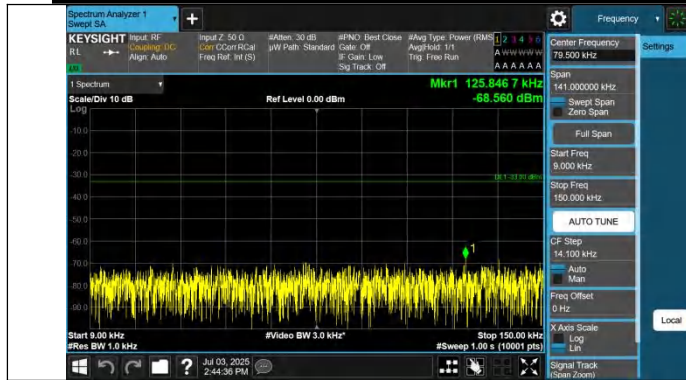
GPRS850-128-5-0.15~30MHz-PASS



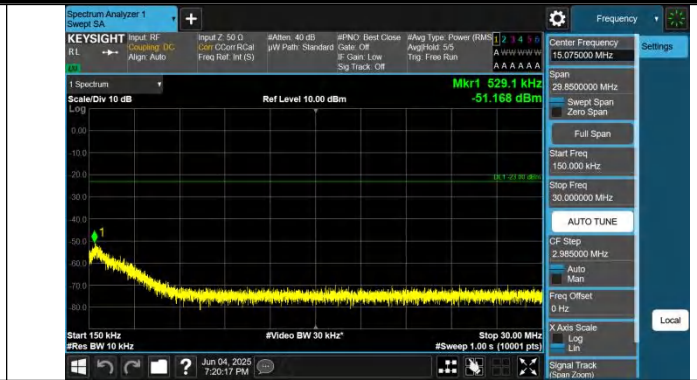
GPRS850-128-5-30~1000MHz-PASS



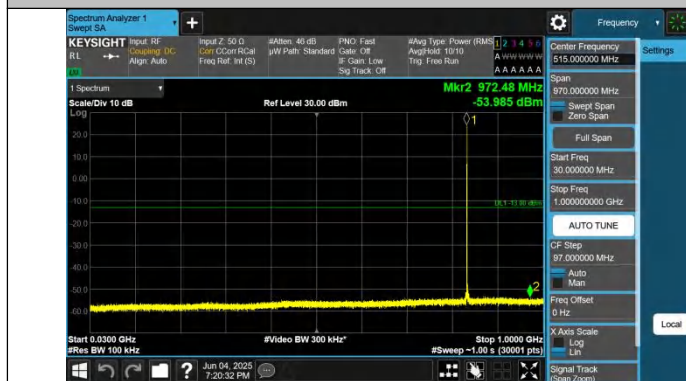
GPRS850-128-5-1000~10000MHz-PASS



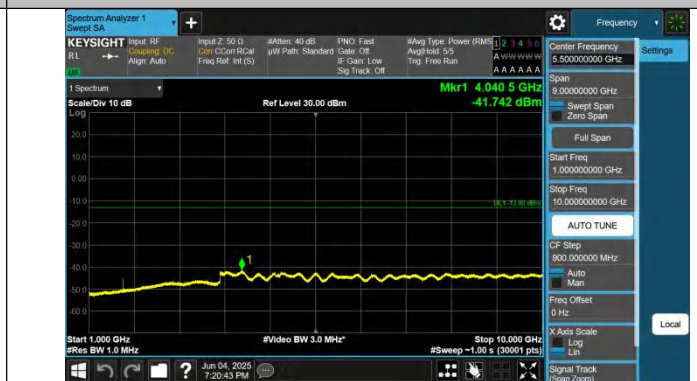
GPRS850-190-5-0.009~0.15MHz-PASS



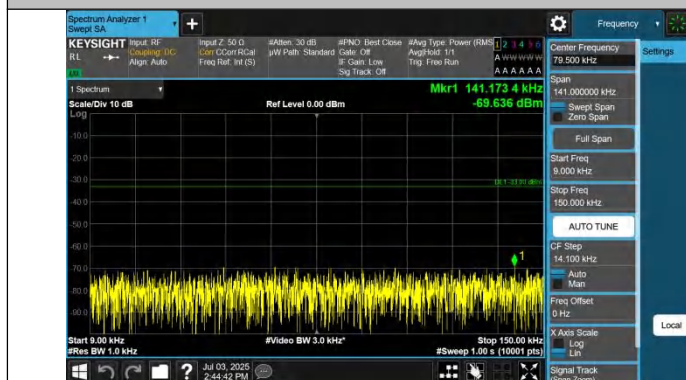
GPRS850-190-5-0.15~30MHz-PASS



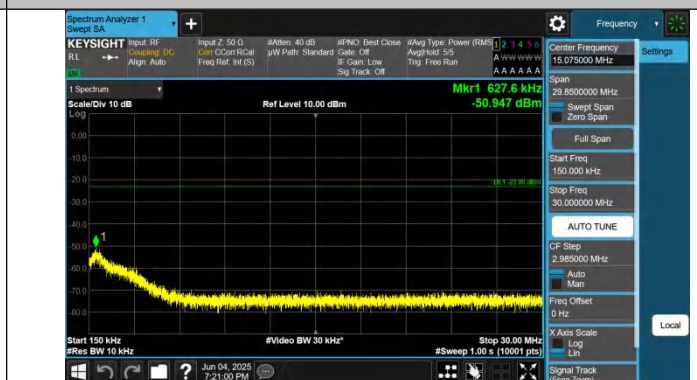
GPRS850-190-5-30~1000MHz-PASS



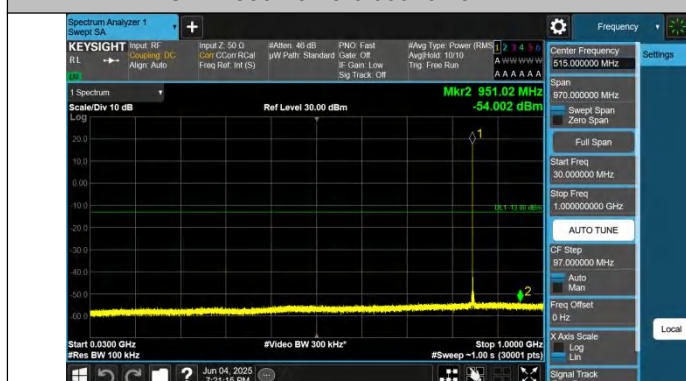
GPRS850-190-5-1000~10000MHz-PASS



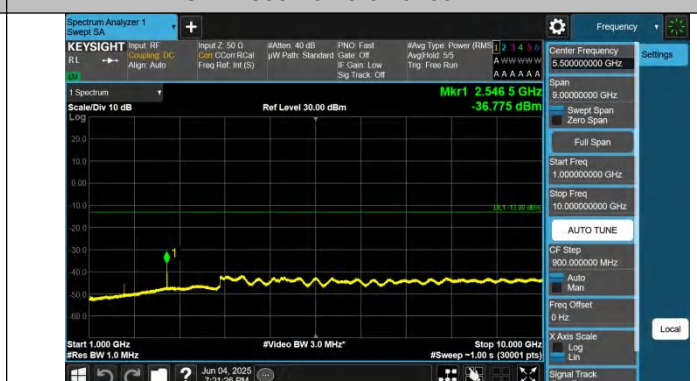
GPRS850-251-5-0.009~0.15MHz-PASS



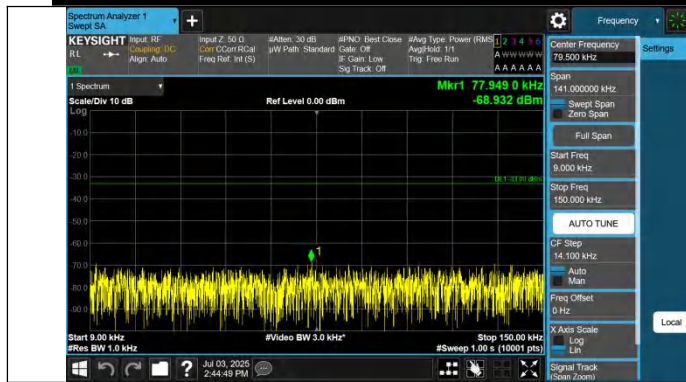
GPRS850-251-5-0.15~30MHz-PASS



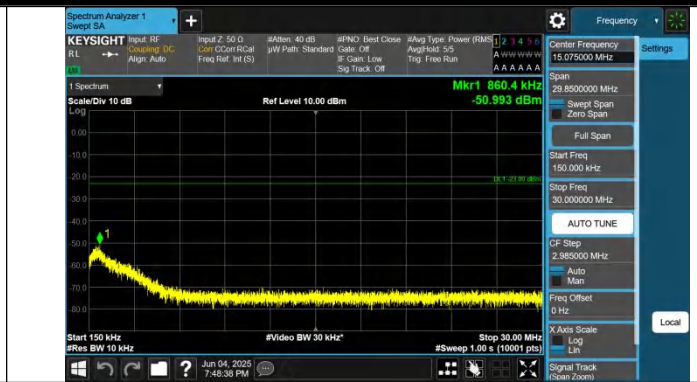
GPRS850-251-5-30~1000MHz-PASS



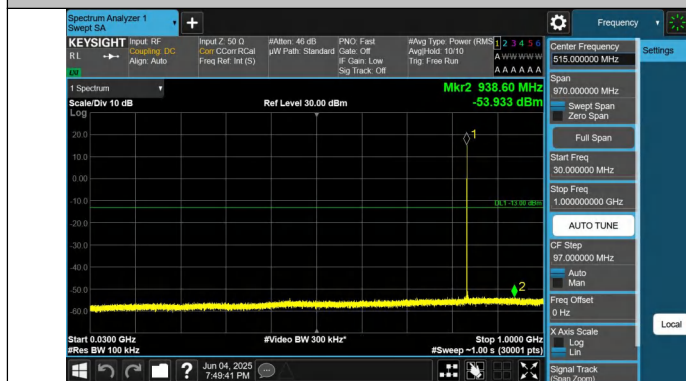
GPRS850-251-5-1000~10000MHz-PASS



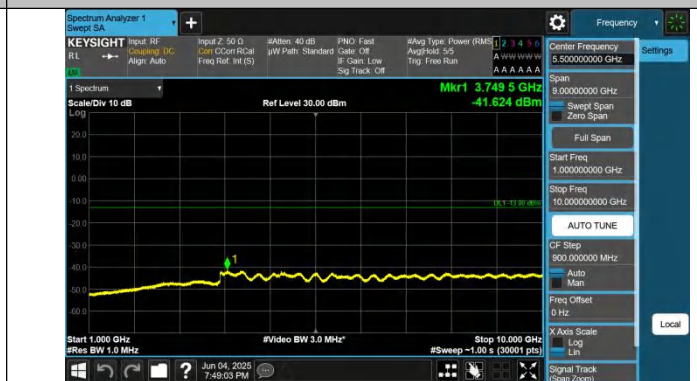
EGPRS850-128-8-0.009~0.15MHz-PASS



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



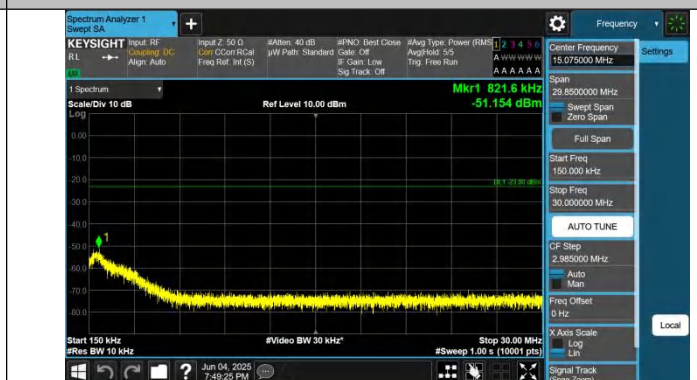
EGPRS850-128-8-30~1000MHz-PASS



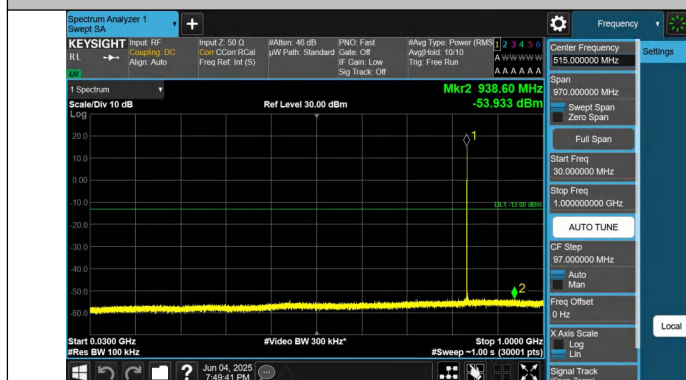
EGPRS850-128-8-1000~10000MHz-PASS



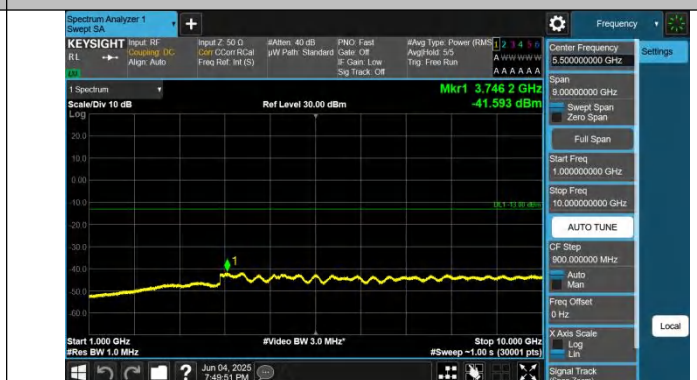
EGPRS850-190-8-0.009~0.15MHz-PASS



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



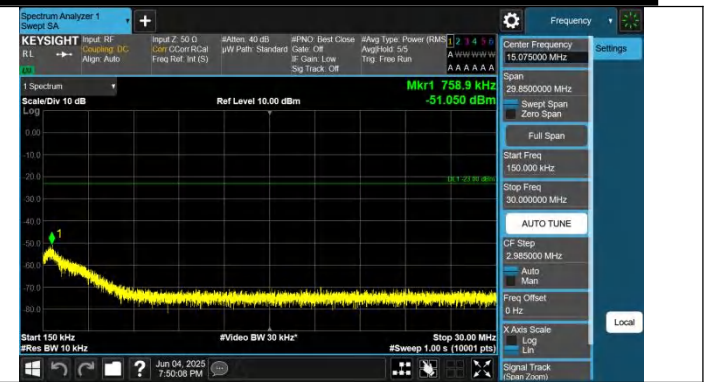
EGPRS850-190-8-30~1000MHz-PASS



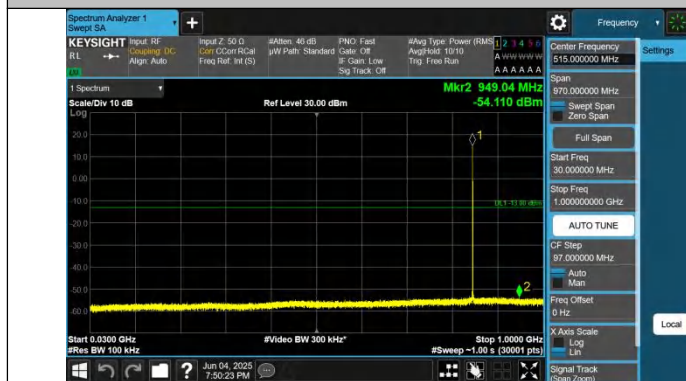
EGPRS850-190-8-1000~10000MHz-PASS



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	11.23	0.013625	±2.5	PASS
GSM850	128	VL	NT	13.18	0.015991	±2.5	PASS
GSM850	128	VH	NT	9.58	0.011623	±2.5	PASS
GSM850	190	VN	NT	9.49	0.011344	±2.5	PASS
GSM850	190	VL	NT	11.34	0.013555	±2.5	PASS
GSM850	190	VH	NT	12.08	0.014439	±2.5	PASS
GSM850	251	VN	NT	12.15	0.014314	±2.5	PASS
GSM850	251	VL	NT	11.44	0.013478	±2.5	PASS
GSM850	251	VH	NT	10.48	0.012347	±2.5	PASS
GPRS850	128	VN	NT	19.49	0.023647	±2.5	PASS
GPRS850	128	VL	NT	19.33	0.023453	±2.5	PASS
GPRS850	128	VH	NT	18.90	0.022931	±2.5	PASS
GPRS850	190	VN	NT	18.76	0.022424	±2.5	PASS
GPRS850	190	VL	NT	19.90	0.023787	±2.5	PASS
GPRS850	190	VH	NT	19.46	0.023261	±2.5	PASS
GPRS850	251	VN	NT	19.67	0.023174	±2.5	PASS
GPRS850	251	VL	NT	18.32	0.021583	±2.5	PASS
GPRS850	251	VH	NT	18.34	0.021607	±2.5	PASS
EGPRS850	128	VN	NT	18.46	0.022397	±2.5	PASS
EGPRS850	128	VL	NT	17.66	0.021427	±2.5	PASS
EGPRS850	128	VH	NT	17.62	0.021378	±2.5	PASS
EGPRS850	190	VN	NT	21.46	0.025651	±2.5	PASS
EGPRS850	190	VL	NT	17.80	0.021277	±2.5	PASS
EGPRS850	190	VH	NT	19.95	0.023847	±2.5	PASS
EGPRS850	251	VN	NT	21.46	0.025283	±2.5	PASS
EGPRS850	251	VL	NT	17.20	0.020264	±2.5	PASS
EGPRS850	251	VH	NT	17.29	0.020370	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	NV	-30	12.73	0.015445	±2.5	PASS
GSM850	128	NV	-20	11.75	0.014256	±2.5	PASS
GSM850	128	NV	-10	15.31	0.018576	±2.5	PASS
GSM850	128	NV	0	13.08	0.015870	±2.5	PASS
GSM850	128	NV	10	12.52	0.015190	±2.5	PASS

GSM850	128	NV	20	9.92	0.012036	±2.5	PASS
GSM850	128	NV	30	14.14	0.017156	±2.5	PASS
GSM850	128	NV	40	10.20	0.012376	±2.5	PASS
GSM850	128	NV	50	12.70	0.015409	±2.5	PASS
GSM850	190	NV	-30	12.20	0.014583	±2.5	PASS
GSM850	190	NV	-20	10.24	0.012240	±2.5	PASS
GSM850	190	NV	-10	13.58	0.016232	±2.5	PASS
GSM850	190	NV	0	13.82	0.016519	±2.5	PASS
GSM850	190	NV	10	12.16	0.014535	±2.5	PASS
GSM850	190	NV	20	9.75	0.011654	±2.5	PASS
GSM850	190	NV	30	13.28	0.015874	±2.5	PASS
GSM850	190	NV	40	9.34	0.011164	±2.5	PASS
GSM850	190	NV	50	11.82	0.014129	±2.5	PASS
GSM850	251	NV	-30	12.54	0.014774	±2.5	PASS
GSM850	251	NV	-20	9.60	0.011310	±2.5	PASS
GSM850	251	NV	-10	14.96	0.017625	±2.5	PASS
GSM850	251	NV	0	13.60	0.016023	±2.5	PASS
GSM850	251	NV	10	10.63	0.012524	±2.5	PASS
GSM850	251	NV	20	10.84	0.012771	±2.5	PASS
GSM850	251	NV	30	12.46	0.014680	±2.5	PASS
GSM850	251	NV	40	9.93	0.011699	±2.5	PASS
GSM850	251	NV	50	11.21	0.013207	±2.5	PASS
GPRS850	128	NV	-30	20.36	0.024703	±2.5	PASS
GPRS850	128	NV	-20	20.72	0.025140	±2.5	PASS
GPRS850	128	NV	-10	19.74	0.023950	±2.5	PASS
GPRS850	128	NV	0	19.67	0.023866	±2.5	PASS
GPRS850	128	NV	10	20.11	0.024399	±2.5	PASS
GPRS850	128	NV	20	18.65	0.022628	±2.5	PASS
GPRS850	128	NV	30	19.39	0.023526	±2.5	PASS
GPRS850	128	NV	40	19.09	0.023162	±2.5	PASS
GPRS850	128	NV	50	20.47	0.024836	±2.5	PASS
GPRS850	190	NV	-30	18.06	0.021587	±2.5	PASS
GPRS850	190	NV	-20	19.67	0.023512	±2.5	PASS
GPRS850	190	NV	-10	19.35	0.023129	±2.5	PASS
GPRS850	190	NV	0	20.00	0.023906	±2.5	PASS
GPRS850	190	NV	10	19.29	0.023058	±2.5	PASS
GPRS850	190	NV	20	20.93	0.025018	±2.5	PASS
GPRS850	190	NV	30	19.73	0.023584	±2.5	PASS
GPRS850	190	NV	40	20.31	0.024277	±2.5	PASS
GPRS850	190	NV	50	19.78	0.023643	±2.5	PASS
GPRS850	251	NV	-30	17.82	0.020994	±2.5	PASS

GPRS850	251	NV	-20	17.99	0.021195	±2.5	PASS
GPRS850	251	NV	-10	18.15	0.021383	±2.5	PASS
GPRS850	251	NV	0	17.92	0.021112	±2.5	PASS
GPRS850	251	NV	10	18.32	0.021583	±2.5	PASS
GPRS850	251	NV	20	17.91	0.021100	±2.5	PASS
GPRS850	251	NV	30	17.40	0.020500	±2.5	PASS
GPRS850	251	NV	40	18.38	0.021654	±2.5	PASS
GPRS850	251	NV	50	18.15	0.021383	±2.5	PASS
EGPRS850	128	NV	-30	18.62	0.022592	±2.5	PASS
EGPRS850	128	NV	-20	19.01	0.023065	±2.5	PASS
EGPRS850	128	NV	-10	16.71	0.020274	±2.5	PASS
EGPRS850	128	NV	0	18.35	0.022264	±2.5	PASS
EGPRS850	128	NV	10	17.16	0.020820	±2.5	PASS
EGPRS850	128	NV	20	18.88	0.022907	±2.5	PASS
EGPRS850	128	NV	30	18.61	0.022579	±2.5	PASS
EGPRS850	128	NV	40	18.01	0.021851	±2.5	PASS
EGPRS850	128	NV	50	18.72	0.022713	±2.5	PASS
EGPRS850	190	NV	-30	17.82	0.021301	±2.5	PASS
EGPRS850	190	NV	-20	17.55	0.020978	±2.5	PASS
EGPRS850	190	NV	-10	18.25	0.021814	±2.5	PASS
EGPRS850	190	NV	0	19.68	0.023524	±2.5	PASS
EGPRS850	190	NV	10	18.76	0.022424	±2.5	PASS
EGPRS850	190	NV	20	16.89	0.020189	±2.5	PASS
EGPRS850	190	NV	30	18.64	0.022281	±2.5	PASS
EGPRS850	190	NV	40	18.36	0.021946	±2.5	PASS
EGPRS850	190	NV	50	18.37	0.021958	±2.5	PASS
EGPRS850	251	NV	-30	16.63	0.019592	±2.5	PASS
EGPRS850	251	NV	-20	17.37	0.020464	±2.5	PASS
EGPRS850	251	NV	-10	17.36	0.020452	±2.5	PASS
EGPRS850	251	NV	0	17.05	0.020087	±2.5	PASS
EGPRS850	251	NV	10	15.65	0.018438	±2.5	PASS
EGPRS850	251	NV	20	16.27	0.019168	±2.5	PASS
EGPRS850	251	NV	30	15.79	0.018603	±2.5	PASS
EGPRS850	251	NV	40	16.42	0.019345	±2.5	PASS
EGPRS850	251	NV	50	17.16	0.020217	±2.5	PASS

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