

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	Up Slot Num	Power(dBm)	Gain(dBi)	E(I)RP (dBm)	Limit(dBm)	Verdict
GPRS850	128	1	32.96	2.53	33.34	38.45	PASS
GPRS850	190	1	32.83	2.53	33.21	38.45	PASS
GPRS850	251	1	32.94	2.53	33.32	38.45	PASS
GPRS850	128	2	32.17	2.53	32.55	38.45	PASS
GPRS850	190	2	32.15	2.53	32.53	38.45	PASS
GPRS850	251	2	32.31	2.53	32.69	38.45	PASS
GPRS850	128	3	30.13	2.53	30.51	38.45	PASS
GPRS850	190	3	30.13	2.53	30.51	38.45	PASS
GPRS850	251	3	30.32	2.53	30.7	38.45	PASS
GPRS850	128	4	28.47	2.53	28.85	38.45	PASS
GPRS850	190	4	28.53	2.53	28.91	38.45	PASS
GPRS850	251	4	28.75	2.53	29.13	38.45	PASS

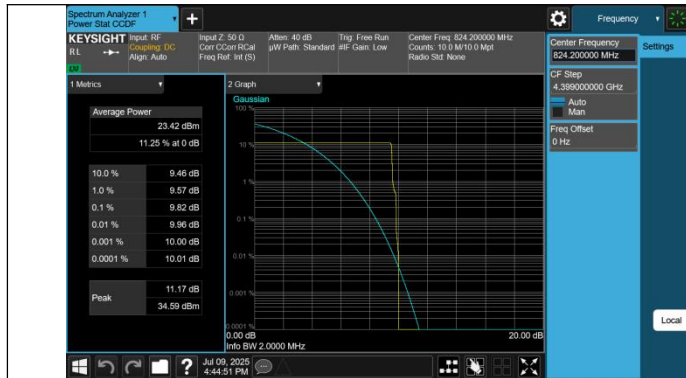
Band	Channel	Up Slot Num	Power(dBm)	Gain(dBi)	E(I)RP (dBm)	Limit(dBm)	Verdict
EGPRS850	128	1	26.30	2.53	26.68	38.45	PASS
EGPRS850	190	1	26.38	2.53	26.76	38.45	PASS
EGPRS850	251	1	26.37	2.53	26.75	38.45	PASS
EGPRS850	128	2	25.02	2.53	25.4	38.45	PASS
EGPRS850	190	2	25.18	2.53	25.56	38.45	PASS
EGPRS850	251	2	25.17	2.53	25.55	38.45	PASS
EGPRS850	128	3	23.53	2.53	23.91	38.45	PASS
EGPRS850	190	3	23.76	2.53	24.14	38.45	PASS
EGPRS850	251	3	23.75	2.53	24.13	38.45	PASS
EGPRS850	128	4	22.30	2.53	22.68	38.45	PASS
EGPRS850	190	4	22.55	2.53	22.93	38.45	PASS
EGPRS850	251	4	22.54	2.53	22.92	38.45	PASS

Peak-to-Average Ratio(CCDF)

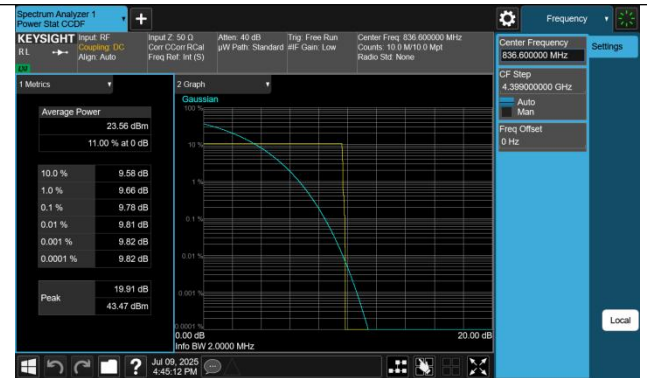
Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GPRS850	128	9.82	13	PASS
GPRS850	190	9.78	13	PASS
GPRS850	251	9.71	13	PASS
EGPRS850	128	12.66	13	PASS
EGPRS850	190	12.72	13	PASS
EGPRS850	251	12.68	13	PASS

Test Graphs



GPRS850-128-5-PASS



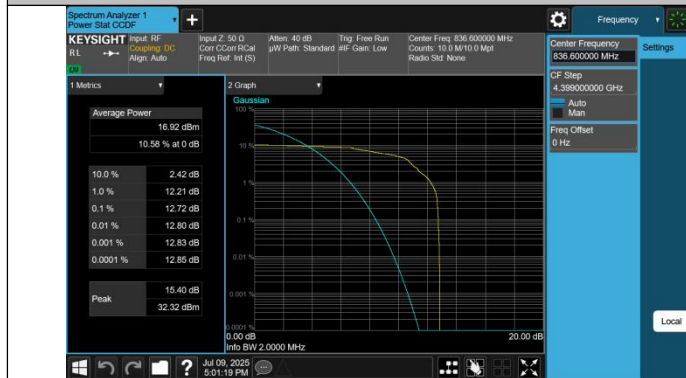
GPRS850-190-5-PASS



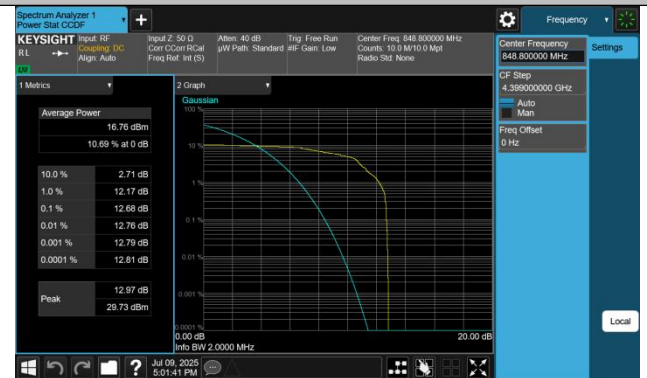
GPRS850-251-5-PASS



EGPRS850-128-8-PASS



EGPRS850-190-8-PASS



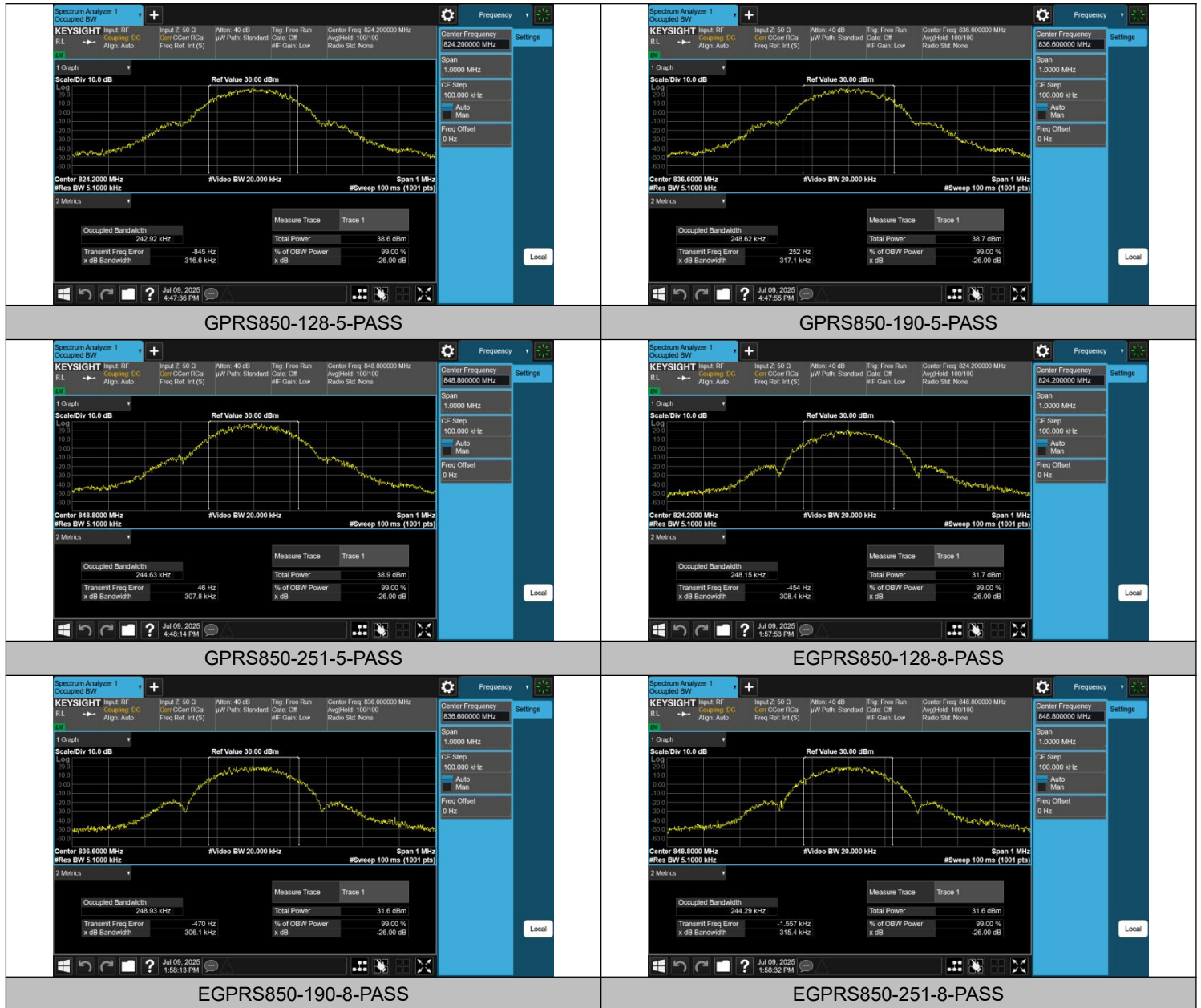
EGPRS850-251-8-PASS

26dB Bandwidth and Occupied Bandwidth

Test Result

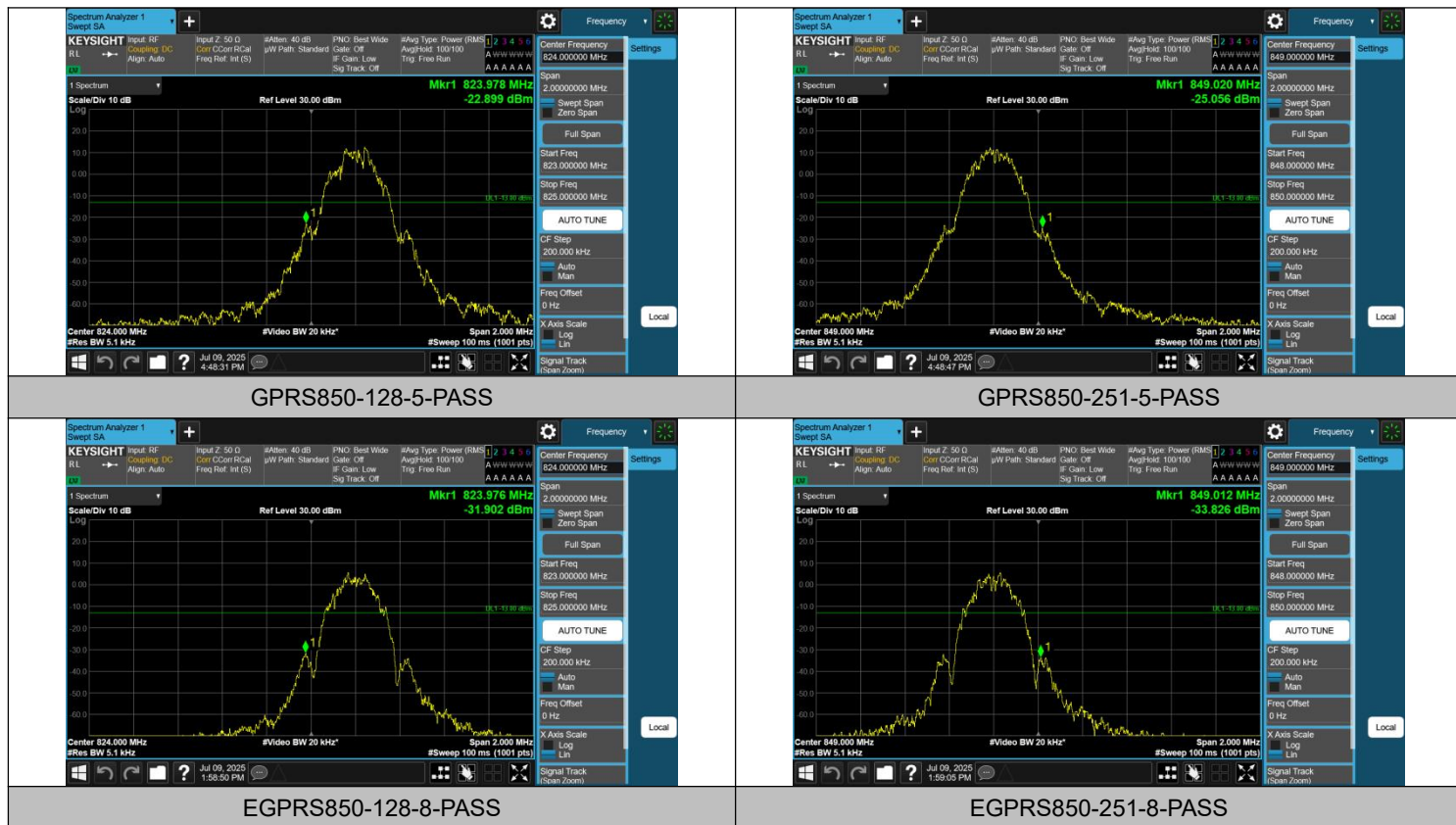
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
GPRS850	128	0.24292	0.3166	PASS
GPRS850	190	0.24862	0.3171	PASS
GPRS850	251	0.24463	0.3078	PASS
EGPRS850	128	0.24815	0.3084	PASS
EGPRS850	190	0.24893	0.3061	PASS
EGPRS850	251	0.24429	0.3154	PASS

Test Graphs



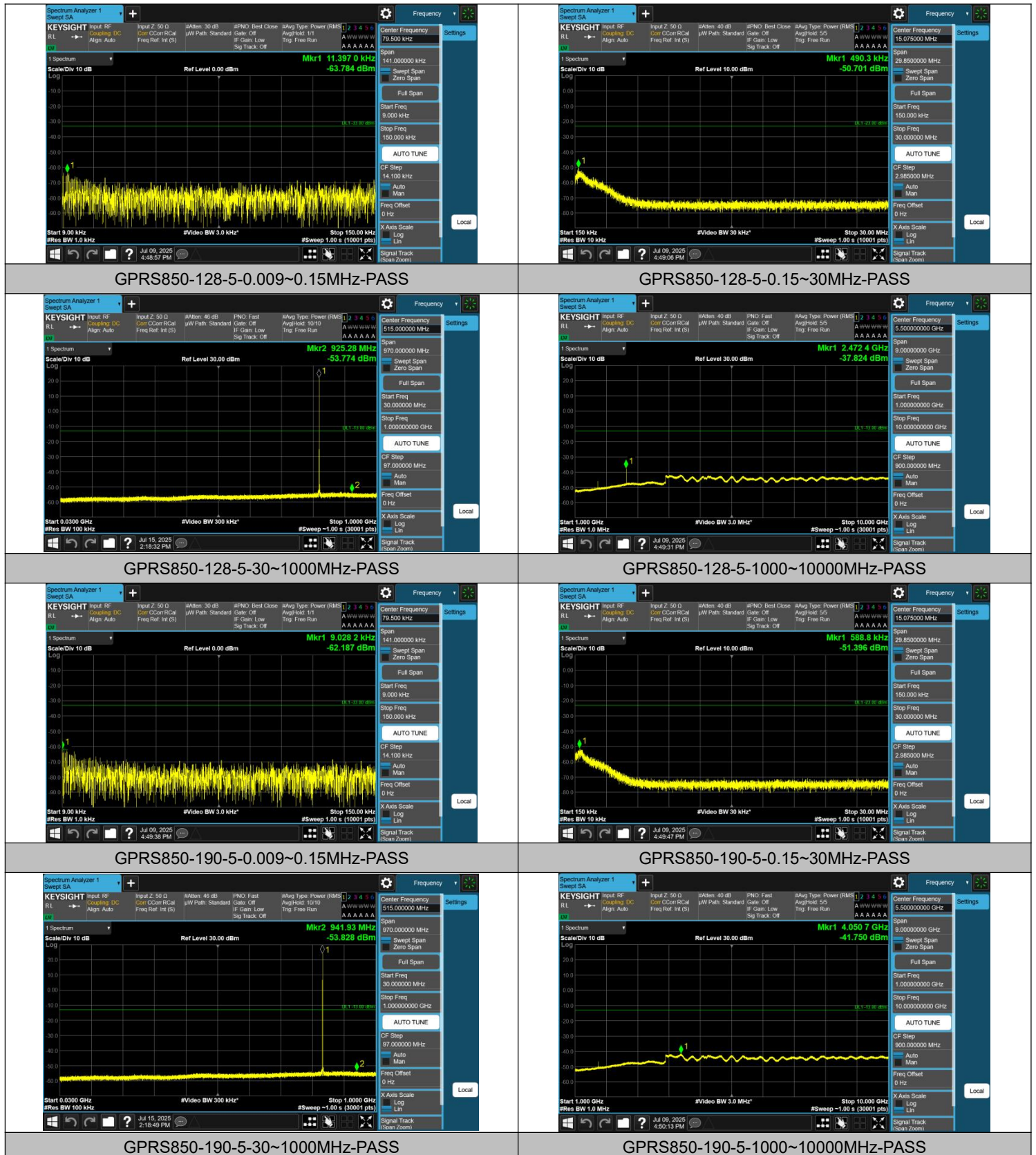
Band Edge

Test Graphs



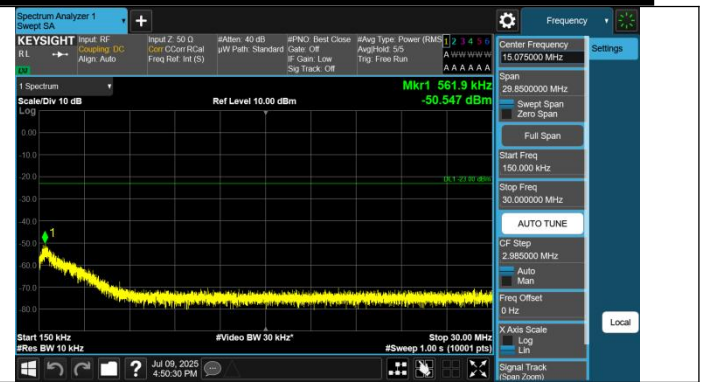
Conducted Spurious Emission

Test Graphs

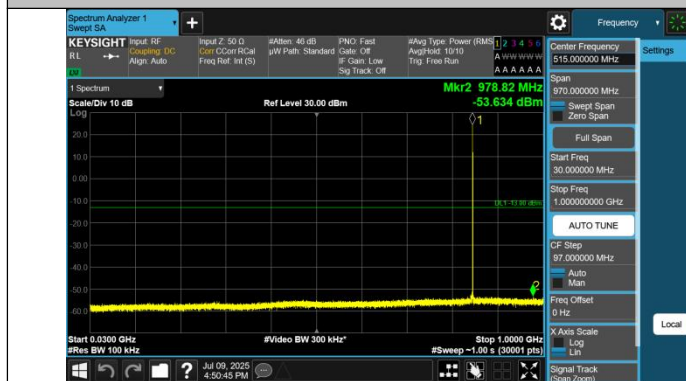




GPRS850-251-5-0.009~0.15MHz-PASS



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



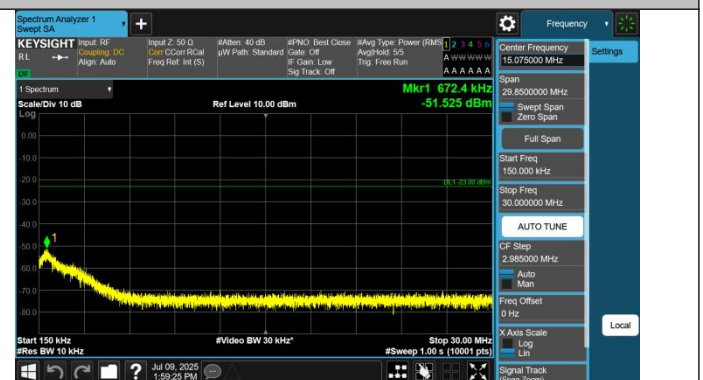
GPRS850-251-5-30~1000MHz-PASS



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



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



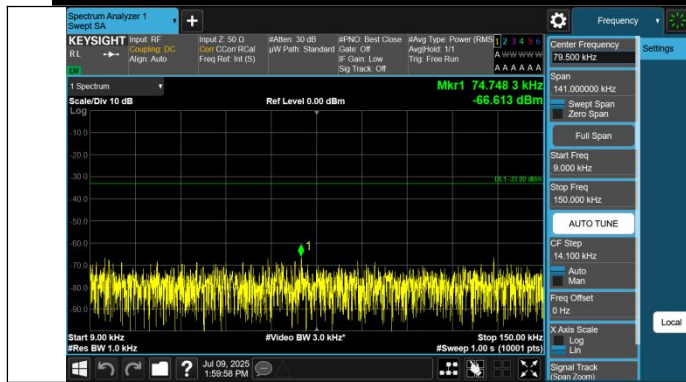
EGPRS850-128-8-0.15~30MHz-PASS



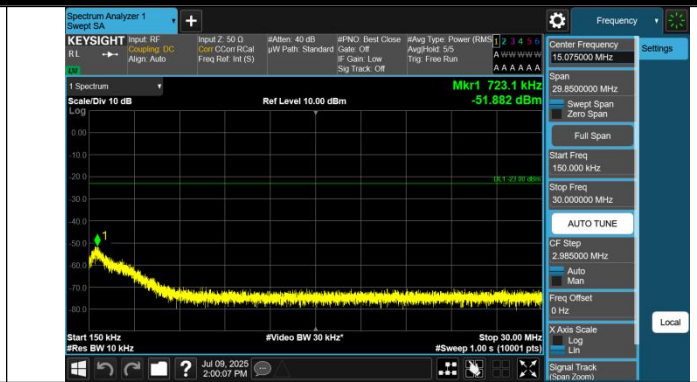
EGPRS850-128-8-30~1000MHz-PASS



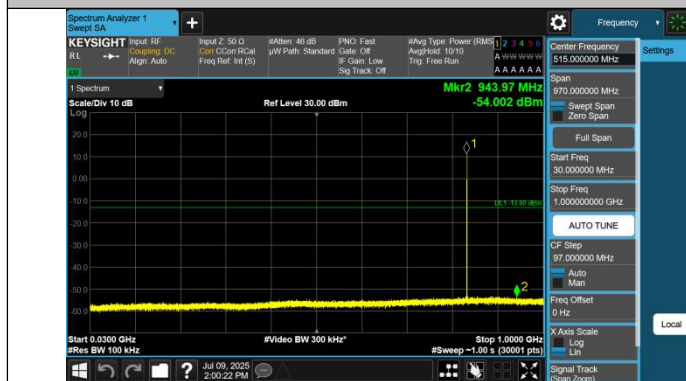
EGPRS850-128-8-1000~10000MHz-PASS



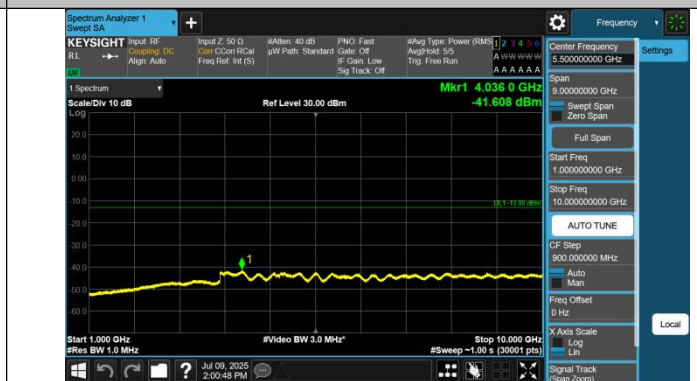
EGPRS850-190-8-0.009~0.15MHz-PASS



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



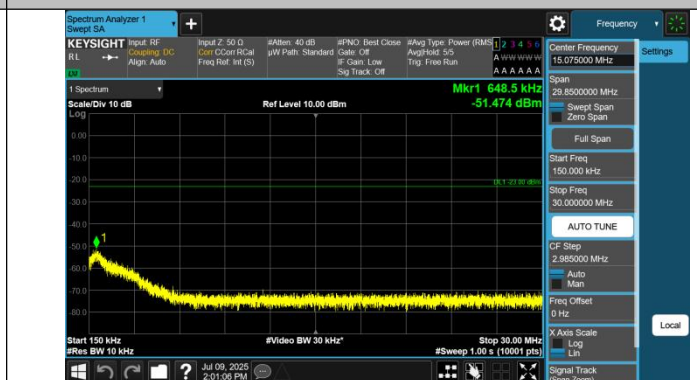
EGPRS850-190-8-30~1000MHz-PASS



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



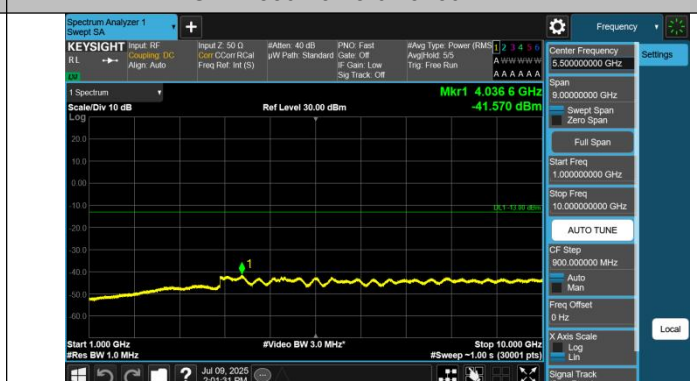
EGPRS850-251-8-0.009~0.15MHz-PASS



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
GPRS850	128	VN	NT	28.31	0.034348	±2.5	PASS
GPRS850	128	VL	NT	26.09	0.031655	±2.5	PASS
GPRS850	128	VH	NT	31.30	0.037976	±2.5	PASS
GPRS850	190	VN	NT	32.41	0.038740	±2.5	PASS
GPRS850	190	VL	NT	30.82	0.036840	±2.5	PASS
GPRS850	190	VH	NT	27.22	0.032536	±2.5	PASS
GPRS850	251	VN	NT	30.80	0.036287	±2.5	PASS
GPRS850	251	VL	NT	27.71	0.032646	±2.5	PASS
GPRS850	251	VH	NT	25.15	0.029630	±2.5	PASS
EGPRS850	128	VN	NT	22.15	0.026875	±2.5	PASS
EGPRS850	128	VL	NT	28.34	0.034385	±2.5	PASS
EGPRS850	128	VH	NT	26.22	0.031813	±2.5	PASS
EGPRS850	190	VN	NT	26.50	0.031676	±2.5	PASS
EGPRS850	190	VL	NT	27.53	0.032907	±2.5	PASS
EGPRS850	190	VH	NT	20.82	0.024886	±2.5	PASS
EGPRS850	251	VN	NT	24.42	0.028770	±2.5	PASS
EGPRS850	251	VL	NT	28.08	0.033082	±2.5	PASS
EGPRS850	251	VH	NT	25.07	0.029536	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GPRS850	128	NV	-30	29.21	0.035440	±2.5	PASS
GPRS850	128	NV	-20	29.80	0.036156	±2.5	PASS
GPRS850	128	NV	-10	32.24	0.039117	±2.5	PASS
GPRS850	128	NV	0	33.38	0.040500	±2.5	PASS
GPRS850	128	NV	10	28.91	0.035076	±2.5	PASS
GPRS850	128	NV	20	29.77	0.036120	±2.5	PASS
GPRS850	128	NV	30	29.39	0.035659	±2.5	PASS
GPRS850	128	NV	40	25.12	0.030478	±2.5	PASS
GPRS850	128	NV	50	28.71	0.034834	±2.5	PASS
GPRS850	190	NV	-30	35.50	0.042434	±2.5	PASS
GPRS850	190	NV	-20	29.92	0.035764	±2.5	PASS
GPRS850	190	NV	-10	30.53	0.036493	±2.5	PASS
GPRS850	190	NV	0	34.26	0.040951	±2.5	PASS
GPRS850	190	NV	10	27.39	0.032740	±2.5	PASS

GPRS850	190	NV	20	33.68	0.040258	±2.5	PASS
GPRS850	190	NV	30	32.45	0.038788	±2.5	PASS
GPRS850	190	NV	40	28.28	0.033803	±2.5	PASS
GPRS850	190	NV	50	29.24	0.034951	±2.5	PASS
GPRS850	251	NV	-30	31.12	0.036664	±2.5	PASS
GPRS850	251	NV	-20	25.66	0.030231	±2.5	PASS
GPRS850	251	NV	-10	24.88	0.029312	±2.5	PASS
GPRS850	251	NV	0	26.98	0.031786	±2.5	PASS
GPRS850	251	NV	10	30.78	0.036263	±2.5	PASS
GPRS850	251	NV	20	33.28	0.039208	±2.5	PASS
GPRS850	251	NV	30	25.55	0.030101	±2.5	PASS
GPRS850	251	NV	40	29.78	0.035085	±2.5	PASS
GPRS850	251	NV	50	33.95	0.039998	±2.5	PASS
EGPRS850	128	NV	-30	26.32	0.031934	±2.5	PASS
EGPRS850	128	NV	-20	22.64	0.027469	±2.5	PASS
EGPRS850	128	NV	-10	24.70	0.029968	±2.5	PASS
EGPRS850	128	NV	0	24.29	0.029471	±2.5	PASS
EGPRS850	128	NV	10	24.49	0.029714	±2.5	PASS
EGPRS850	128	NV	20	25.95	0.031485	±2.5	PASS
EGPRS850	128	NV	30	29.75	0.036096	±2.5	PASS
EGPRS850	128	NV	40	24.41	0.029617	±2.5	PASS
EGPRS850	128	NV	50	24.00	0.029119	±2.5	PASS
EGPRS850	190	NV	-30	24.26	0.028998	±2.5	PASS
EGPRS850	190	NV	-20	23.71	0.028341	±2.5	PASS
EGPRS850	190	NV	-10	26.69	0.031903	±2.5	PASS
EGPRS850	190	NV	0	26.98	0.032250	±2.5	PASS
EGPRS850	190	NV	10	25.45	0.030421	±2.5	PASS
EGPRS850	190	NV	20	24.82	0.029668	±2.5	PASS
EGPRS850	190	NV	30	28.63	0.034222	±2.5	PASS
EGPRS850	190	NV	40	20.94	0.025030	±2.5	PASS
EGPRS850	190	NV	50	22.57	0.026978	±2.5	PASS
EGPRS850	251	NV	-30	27.69	0.032623	±2.5	PASS
EGPRS850	251	NV	-20	26.61	0.031350	±2.5	PASS
EGPRS850	251	NV	-10	27.78	0.032729	±2.5	PASS
EGPRS850	251	NV	0	26.55	0.031279	±2.5	PASS
EGPRS850	251	NV	10	23.38	0.027545	±2.5	PASS
EGPRS850	251	NV	20	29.05	0.034225	±2.5	PASS
EGPRS850	251	NV	30	22.09	0.026025	±2.5	PASS
EGPRS850	251	NV	40	22.19	0.026143	±2.5	PASS
EGPRS850	251	NV	50	19.75	0.023268	±2.5	PASS

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