

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	Up Slot Num	Power(dBm)	Gain(dBi)	ERP/EIRP (dBm)	Limit(dBm)	Verdict
GPRS850	128	1	32.78	2.13	32.76	38.45	PASS
GPRS850	190	1	32.82	2.13	32.8	38.45	PASS
GPRS850	251	1	32.94	2.13	32.92	38.45	PASS
GPRS850	128	2	31.87	2.13	31.85	38.45	PASS
GPRS850	190	2	31.53	2.13	31.51	38.45	PASS
GPRS850	251	2	31.64	2.13	31.62	38.45	PASS
GPRS850	128	3	29.3	2.13	29.28	38.45	PASS
GPRS850	190	3	29.35	2.13	29.33	38.45	PASS
GPRS850	251	3	29.45	2.13	29.43	38.45	PASS
GPRS850	128	4	28.13	2.13	28.11	38.45	PASS
GPRS850	190	4	28.16	2.13	28.14	38.45	PASS
GPRS850	251	4	28.33	2.13	28.31	38.45	PASS

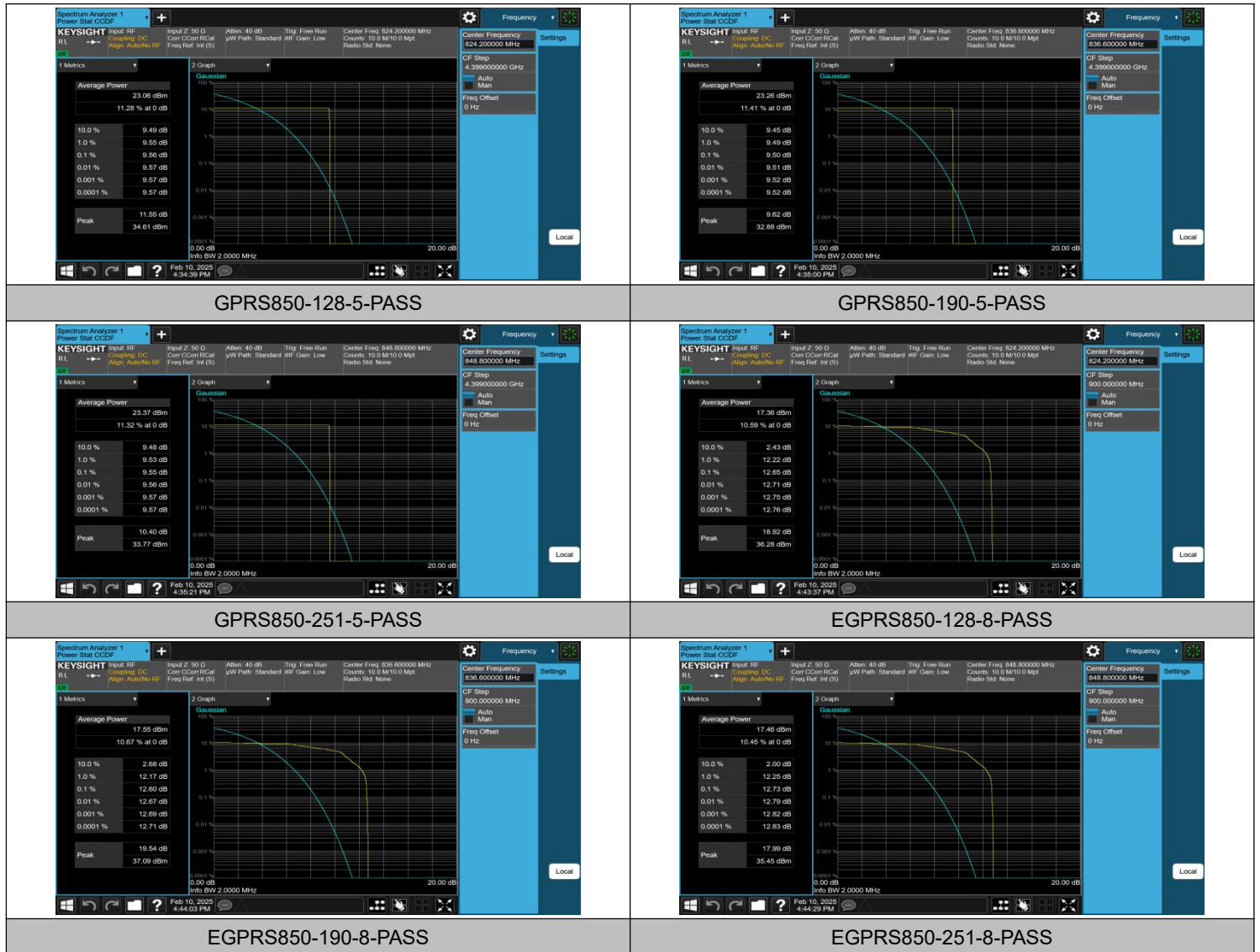
Band	Channel	Up Slot Num	Power(dBm)	Gain(dBi)	ERP/EIRP (dBm)	Limit(dBm)	Verdict
EGPRS850	128	1	27.06	2.13	27.04	38.45	PASS
EGPRS850	190	1	27.02	2.13	27	38.45	PASS
EGPRS850	251	1	27.05	2.13	27.03	38.45	PASS
EGPRS850	128	2	26.21	2.13	26.19	38.45	PASS
EGPRS850	190	2	26.18	2.13	26.16	38.45	PASS
EGPRS850	251	2	26.21	2.13	26.19	38.45	PASS
EGPRS850	128	3	24.02	2.13	24	38.45	PASS
EGPRS850	190	3	24.02	2.13	24	38.45	PASS
EGPRS850	251	3	24	2.13	23.98	38.45	PASS
EGPRS850	128	4	22.8	2.13	22.78	38.45	PASS
EGPRS850	190	4	22.83	2.13	22.81	38.45	PASS
EGPRS850	251	4	22.79	2.13	22.77	38.45	PASS

Peak-to-Average Ratio(CCDF)

Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GPRS850	128	9.56	13	PASS
GPRS850	190	9.50	13	PASS
GPRS850	251	9.55	13	PASS
EGPRS850	128	12.65	13	PASS
EGPRS850	190	12.60	13	PASS
EGPRS850	251	12.73	13	PASS

Test Graphs

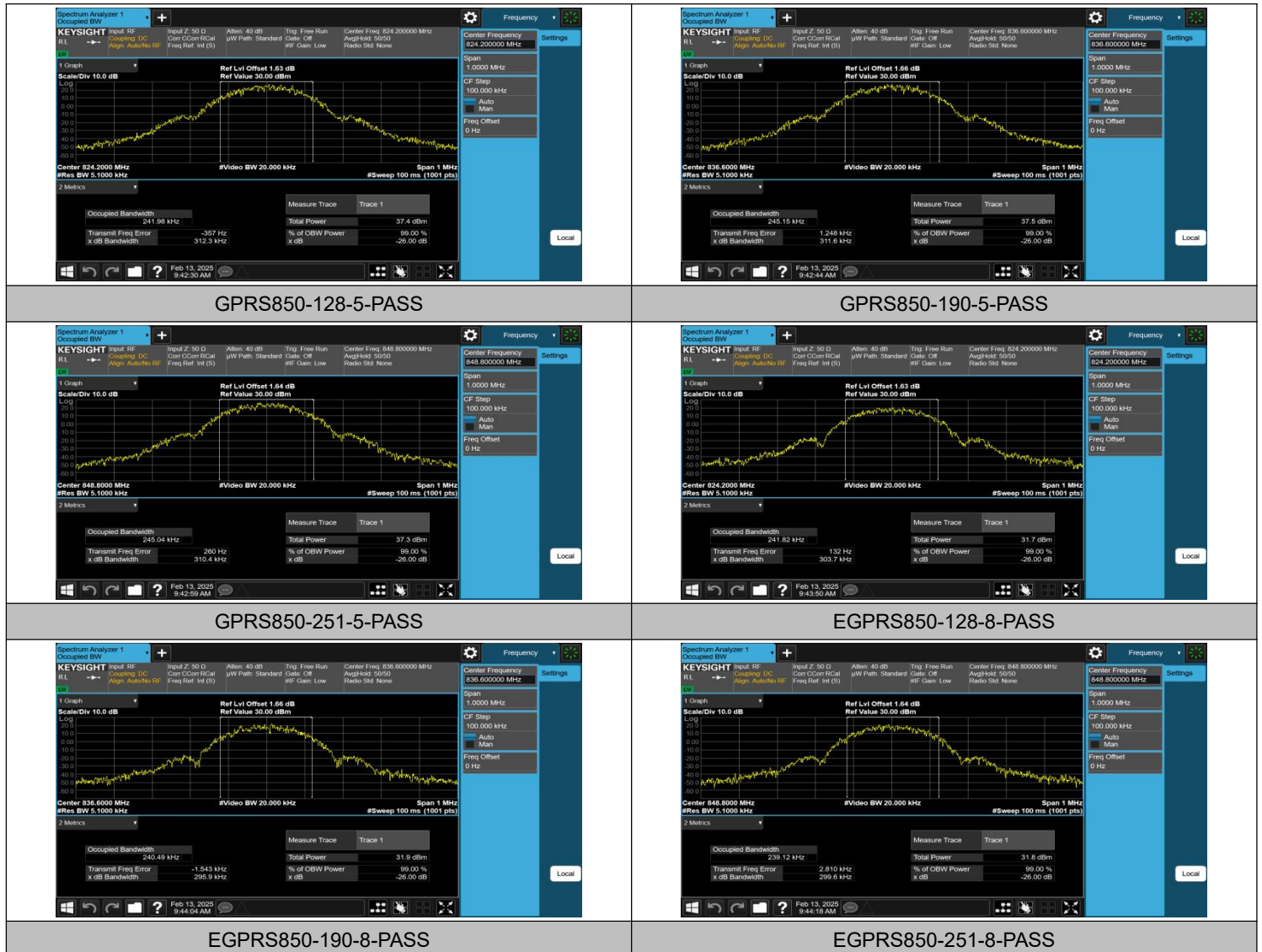


26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
GPRS850	128	0.24198	0.3123	PASS
GPRS850	190	0.24515	0.3116	PASS
GPRS850	251	0.24504	0.3104	PASS
EGPRS850	128	0.24182	0.3037	PASS
EGPRS850	190	0.24049	0.2959	PASS
EGPRS850	251	0.23912	0.2996	PASS

Test Graphs



Band Edge

Test Graphs



GPRS850-128-5-PASS

GPRS850-251-5-PASS

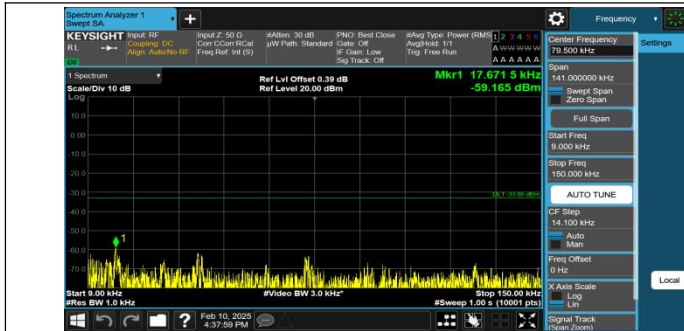


EGPRS850-128-8-PASS

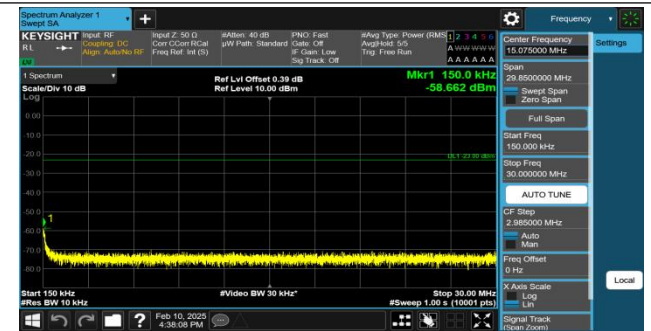
EGPRS850-251-8-PASS

Conducted Spurious Emission

Test Graphs



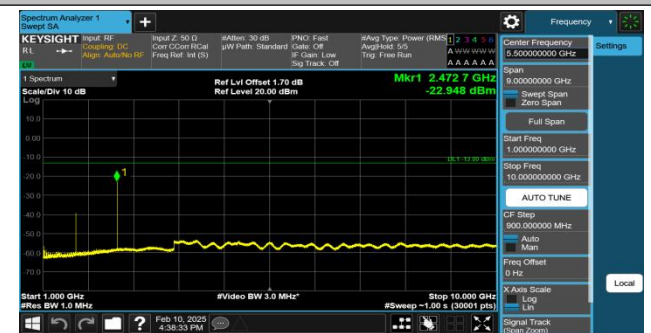
GPRS850-128-5-0.009~0.15MHz-PASS



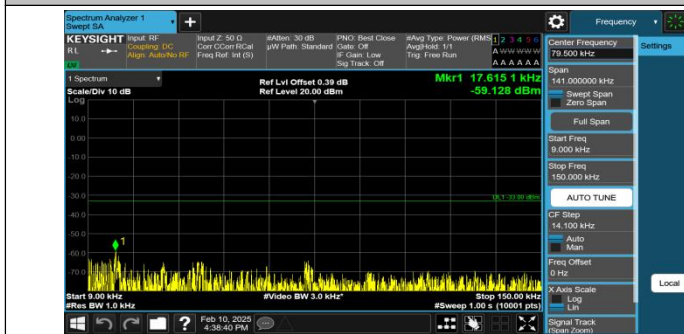
GPRS850-128-5-0.15~30MHz-PASS



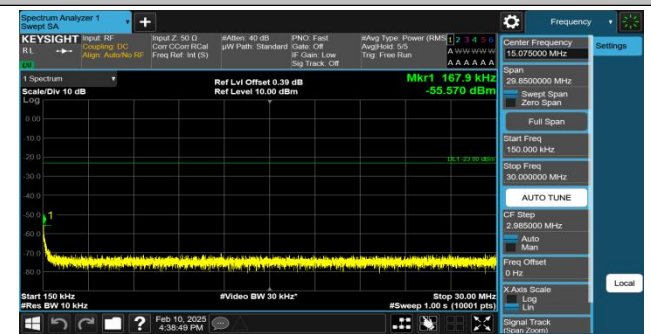
GPRS850-128-5-30~1000MHz-PASS



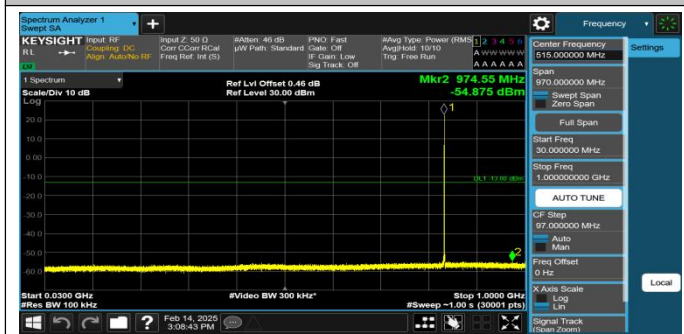
GPRS850-128-5-1000~10000MHz-PASS



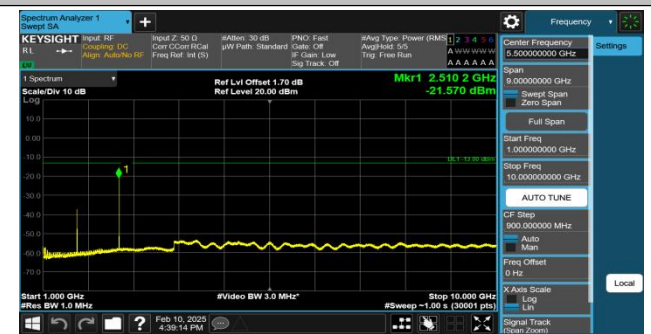
GPRS850-190-5-0.009~0.15MHz-PASS



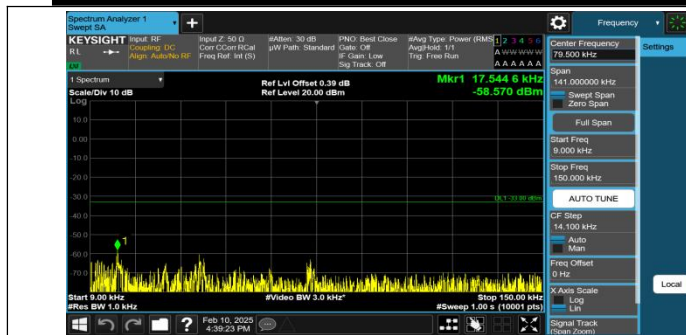
GPRS850-190-5-0.15~30MHz-PASS



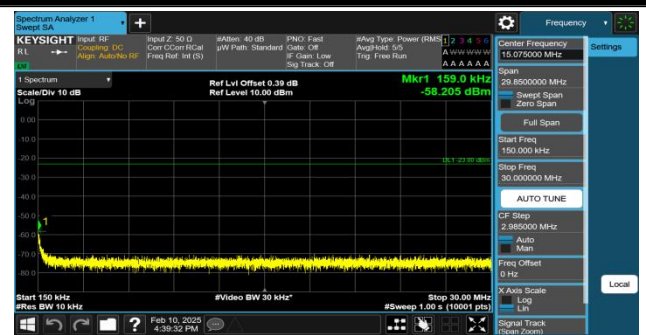
GPRS850-190-5-30~1000MHz-PASS



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



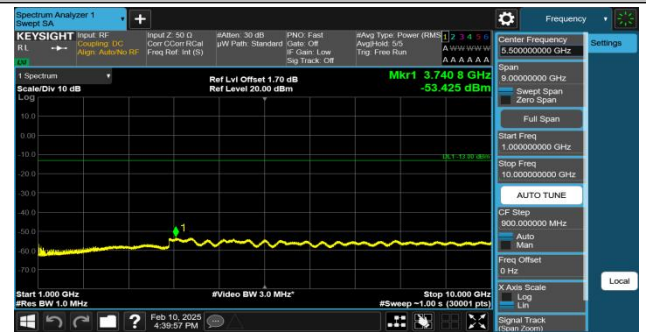
GPRS850-251-5-0.009~0.15MHz-PASS



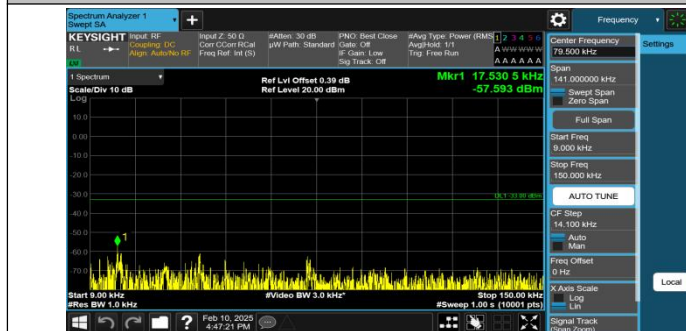
GPRS850-251-5-0.15~30MHz-PASS



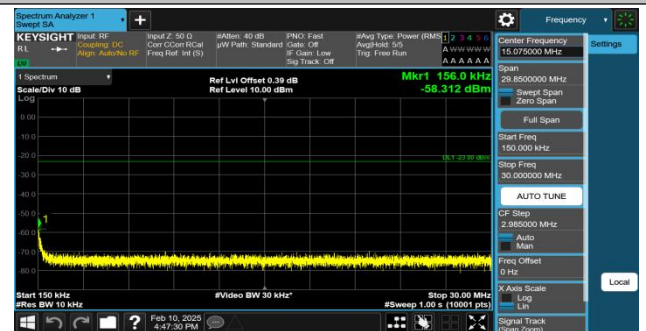
GPRS850-251-5-30~1000MHz-PASS



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



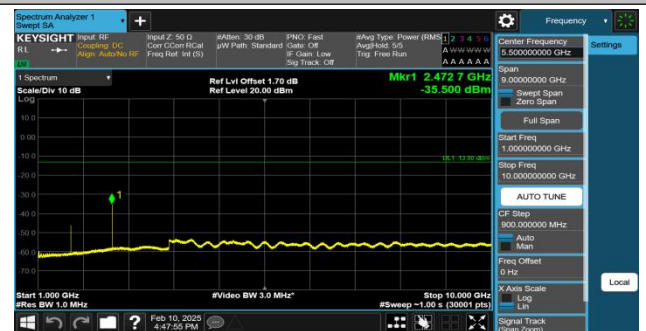
EGPRS850-128-8-0.009~0.15MHz-PASS



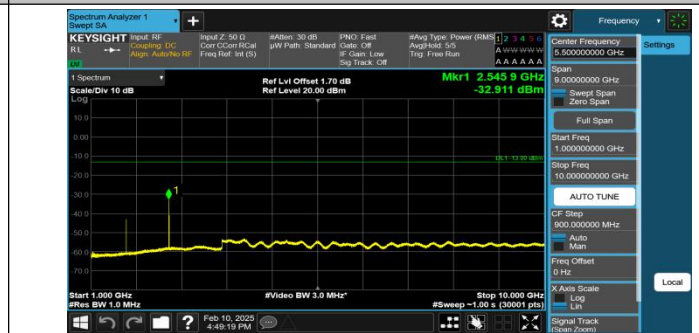
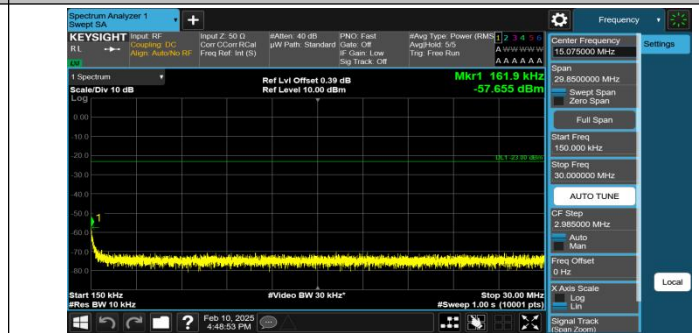
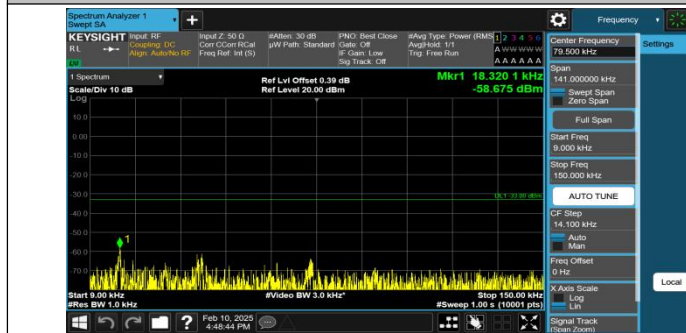
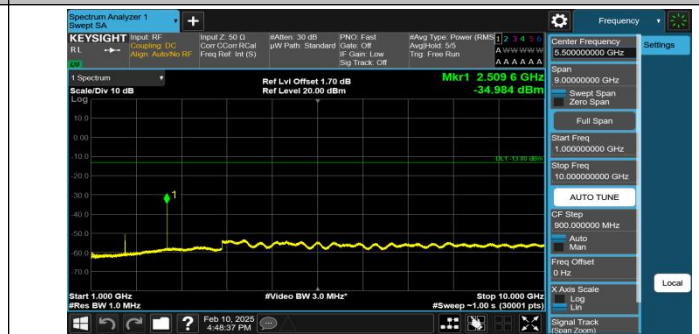
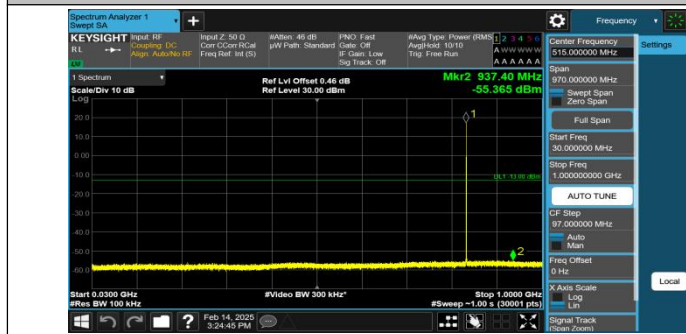
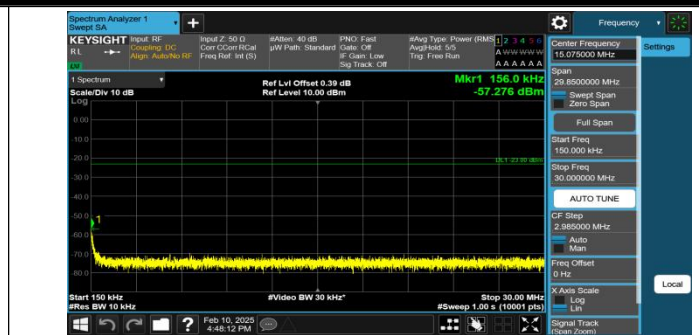
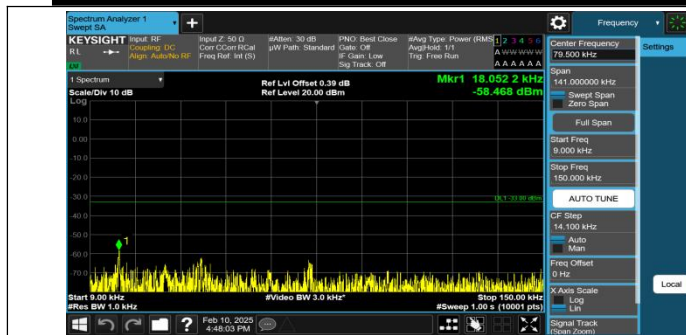
EGPRS850-128-8-0.15~30MHz-PASS



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



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



Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GPRS850	128	VN	NT	29.18	0.035404	±2.5	PASS
GPRS850	128	VL	NT	28.38	0.034433	±2.5	PASS
GPRS850	128	VH	NT	30.69	0.037236	±2.5	PASS
GPRS850	190	VN	NT	30.18	0.036075	±2.5	PASS
GPRS850	190	VL	NT	30.62	0.036601	±2.5	PASS
GPRS850	190	VH	NT	31.43	0.037569	±2.5	PASS
GPRS850	251	VN	NT	28.22	0.033247	±2.5	PASS
GPRS850	251	VL	NT	28.76	0.033883	±2.5	PASS
GPRS850	251	VH	NT	28.44	0.033506	±2.5	PASS
EGPRS850	128	VN	NT	22.14	0.026862	±2.5	PASS
EGPRS850	128	VL	NT	23.34	0.028318	±2.5	PASS
EGPRS850	128	VH	NT	23.26	0.028221	±2.5	PASS
EGPRS850	190	VN	NT	21.86	0.026130	±2.5	PASS
EGPRS850	190	VL	NT	21.82	0.026082	±2.5	PASS
EGPRS850	190	VH	NT	22.47	0.026859	±2.5	PASS
EGPRS850	251	VN	NT	24.02	0.028299	±2.5	PASS
EGPRS850	251	VL	NT	0.00	0.000000	±2.5	PASS
EGPRS850	251	VH	NT	28.51	0.033589	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GPRS850	128	NV	-30	28.30	0.034336	±2.5	PASS
GPRS850	128	NV	-20	30.13	0.036557	±2.5	PASS
GPRS850	128	NV	-10	29.54	0.035841	±2.5	PASS
GPRS850	128	NV	0	29.94	0.036326	±2.5	PASS
GPRS850	128	NV	10	29.06	0.035258	±2.5	PASS
GPRS850	128	NV	20	29.64	0.035962	±2.5	PASS
GPRS850	128	NV	30	29.54	0.035841	±2.5	PASS
GPRS850	128	NV	40	28.29	0.034324	±2.5	PASS
GPRS850	128	NV	50	29.70	0.036035	±2.5	PASS
GPRS850	190	NV	-30	29.67	0.035465	±2.5	PASS
GPRS850	190	NV	-20	29.08	0.034760	±2.5	PASS
GPRS850	190	NV	-10	30.36	0.036290	±2.5	PASS
GPRS850	190	NV	0	29.15	0.034843	±2.5	PASS
GPRS850	190	NV	10	29.84	0.035668	±2.5	PASS

GPRS850	190	NV	20	28.30	0.033827	±2.5	PASS
GPRS850	190	NV	30	28.17	0.033672	±2.5	PASS
GPRS850	190	NV	40	27.59	0.032979	±2.5	PASS
GPRS850	190	NV	50	31.73	0.037927	±2.5	PASS
GPRS850	251	NV	-30	28.90	0.034048	±2.5	PASS
GPRS850	251	NV	-20	28.86	0.034001	±2.5	PASS
GPRS850	251	NV	-10	28.04	0.033035	±2.5	PASS
GPRS850	251	NV	0	28.65	0.033754	±2.5	PASS
GPRS850	251	NV	10	28.48	0.033553	±2.5	PASS
GPRS850	251	NV	20	27.70	0.032634	±2.5	PASS
GPRS850	251	NV	30	27.23	0.032081	±2.5	PASS
GPRS850	251	NV	40	28.29	0.033329	±2.5	PASS
GPRS850	251	NV	50	29.10	0.034284	±2.5	PASS
EGPRS850	128	NV	-30	24.37	0.029568	±2.5	PASS
EGPRS850	128	NV	-20	23.49	0.028500	±2.5	PASS
EGPRS850	128	NV	-10	23.61	0.028646	±2.5	PASS
EGPRS850	128	NV	0	21.77	0.026413	±2.5	PASS
EGPRS850	128	NV	10	22.74	0.027590	±2.5	PASS
EGPRS850	128	NV	20	22.30	0.027057	±2.5	PASS
EGPRS850	128	NV	30	21.42	0.025989	±2.5	PASS
EGPRS850	128	NV	40	23.09	0.028015	±2.5	PASS
EGPRS850	128	NV	50	23.30	0.028270	±2.5	PASS
EGPRS850	190	NV	-30	23.81	0.028460	±2.5	PASS
EGPRS850	190	NV	-20	23.90	0.028568	±2.5	PASS
EGPRS850	190	NV	-10	21.41	0.025592	±2.5	PASS
EGPRS850	190	NV	0	19.28	0.023046	±2.5	PASS
EGPRS850	190	NV	10	24.95	0.029823	±2.5	PASS
EGPRS850	190	NV	20	23.85	0.028508	±2.5	PASS
EGPRS850	190	NV	30	22.82	0.027277	±2.5	PASS
EGPRS850	190	NV	40	25.06	0.029955	±2.5	PASS
EGPRS850	190	NV	50	24.12	0.028831	±2.5	PASS
EGPRS850	251	NV	-30	27.46	0.032352	±2.5	PASS
EGPRS850	251	NV	-20	27.00	0.031810	±2.5	PASS
EGPRS850	251	NV	-10	24.88	0.029312	±2.5	PASS
EGPRS850	251	NV	0	25.89	0.030502	±2.5	PASS
EGPRS850	251	NV	10	24.91	0.029347	±2.5	PASS
EGPRS850	251	NV	20	22.74	0.026791	±2.5	PASS
EGPRS850	251	NV	30	23.70	0.027922	±2.5	PASS
EGPRS850	251	NV	40	25.24	0.029736	±2.5	PASS
EGPRS850	251	NV	50	23.98	0.028252	±2.5	PASS

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