

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	Up Slot Num	Power(dBm)	Gain(dBi)	ERP/EIRP (dBm)	Limit(dBm)	Verdict
GPRS1900	512	1	30.49	1.59	32.08	33	PASS
GPRS1900	661	1	30.28	1.59	31.87	33	PASS
GPRS1900	810	1	30.5	1.59	32.09	33	PASS
GPRS1900	512	2	29.41	1.59	31	33	PASS
GPRS1900	661	2	29.32	1.59	30.91	33	PASS
GPRS1900	810	2	29.22	1.59	30.81	33	PASS
GPRS1900	512	3	27.9	1.59	29.49	33	PASS
GPRS1900	661	3	27.81	1.59	29.4	33	PASS
GPRS1900	810	3	27.77	1.59	29.36	33	PASS
GPRS1900	512	4	26.62	1.59	28.21	33	PASS
GPRS1900	661	4	26.56	1.59	28.15	33	PASS
GPRS1900	810	4	26.4	1.59	27.99	33	PASS

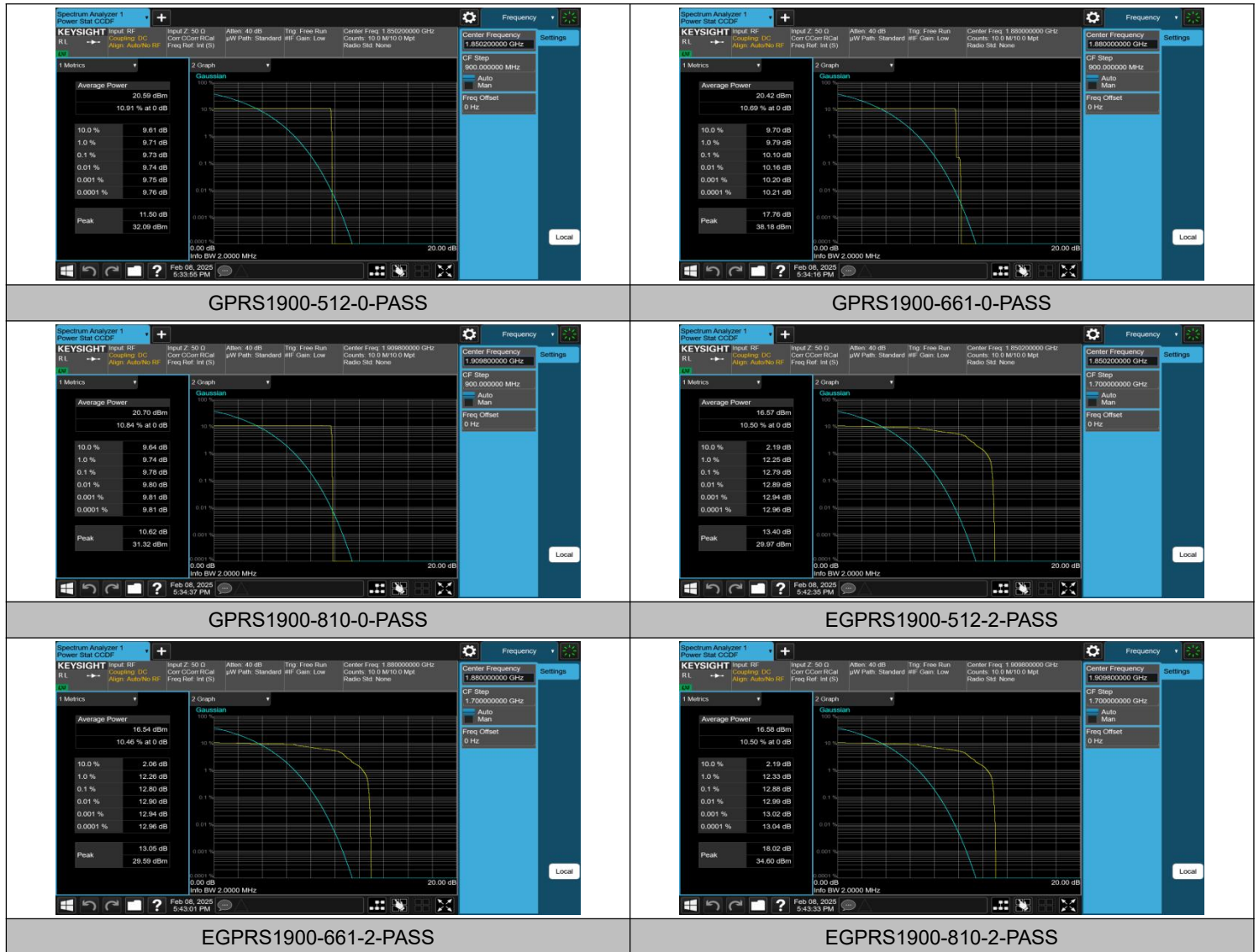
Band	Channel	Up Slot Num	Power(dBm)	Gain(dBi)	ERP/EIRP (dBm)	Limit(dBm)	Verdict
EGPRS1900	512	1	26.42	1.59	28.01	33	PASS
EGPRS1900	661	1	26.17	1.59	27.76	33	PASS
EGPRS1900	810	1	26.23	1.59	27.82	33	PASS
EGPRS1900	512	2	25.73	1.59	27.32	33	PASS
EGPRS1900	661	2	25.6	1.59	27.19	33	PASS
EGPRS1900	810	2	25.52	1.59	27.11	33	PASS
EGPRS1900	512	3	24.57	1.59	26.16	33	PASS
EGPRS1900	661	3	24.4	1.59	25.99	33	PASS
EGPRS1900	810	3	24.31	1.59	25.9	33	PASS
EGPRS1900	512	4	23.34	1.59	24.93	33	PASS
EGPRS1900	661	4	23.22	1.59	24.81	33	PASS
EGPRS1900	810	4	23.04	1.59	24.63	33	PASS

Peak-to-Average Ratio(CCDF)

Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GPRS1900	512	9.73	13	PASS
GPRS1900	661	10.10	13	PASS
GPRS1900	810	9.78	13	PASS
EGPRS1900	512	12.79	13	PASS
EGPRS1900	661	12.80	13	PASS
EGPRS1900	810	12.88	13	PASS

Test Graphs

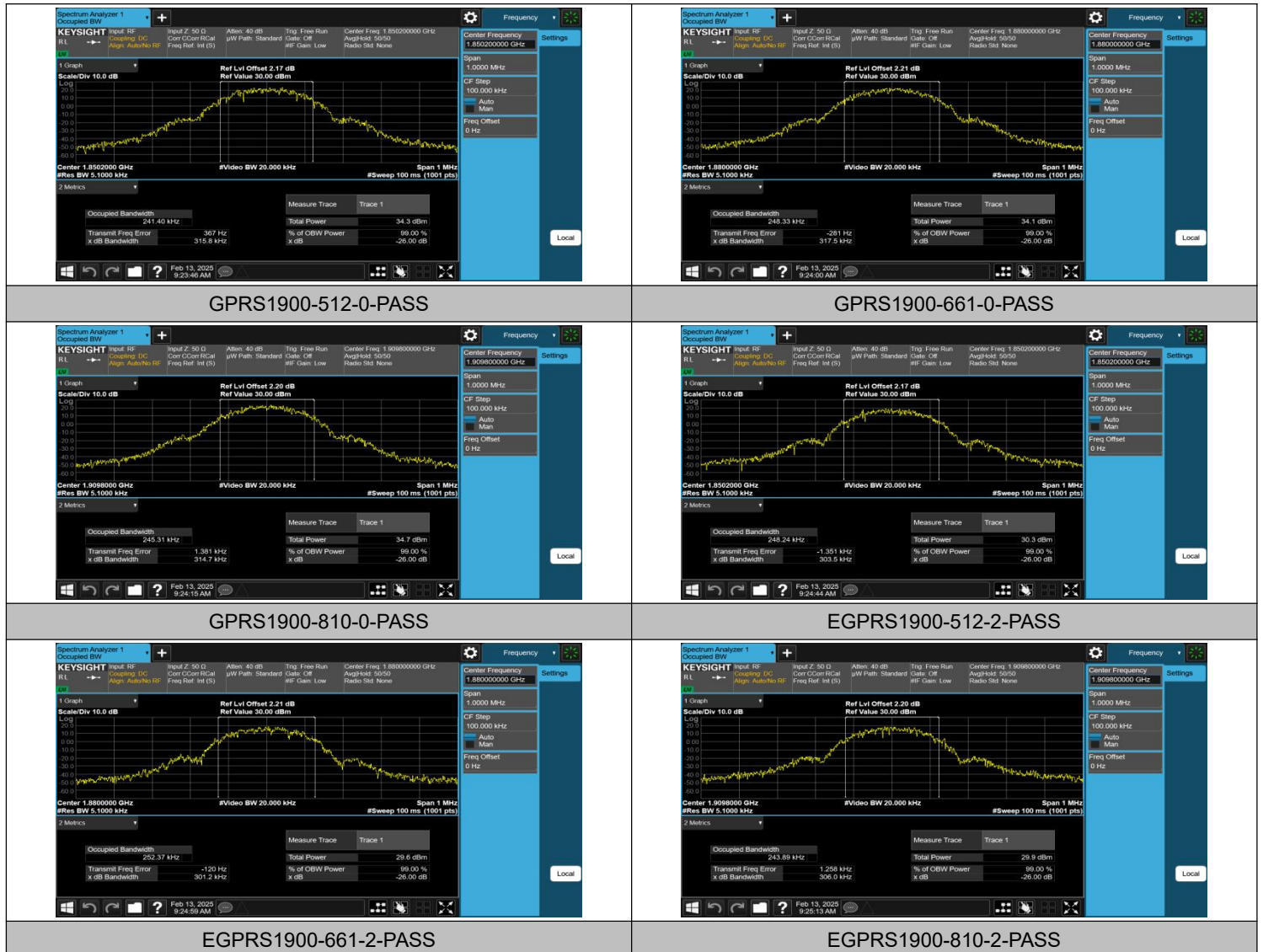


26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
GPRS1900	512	0.24140	0.3158	PASS
GPRS1900	661	0.24833	0.3175	PASS
GPRS1900	810	0.24531	0.3147	PASS
EGPRS1900	512	0.24824	0.3035	PASS
EGPRS1900	661	0.25237	0.3012	PASS
EGPRS1900	810	0.24389	0.3060	PASS

Test Graphs



Band Edge

Test Graphs



GPRS1900-512-0-PASS

GPRS1900-810-0-PASS

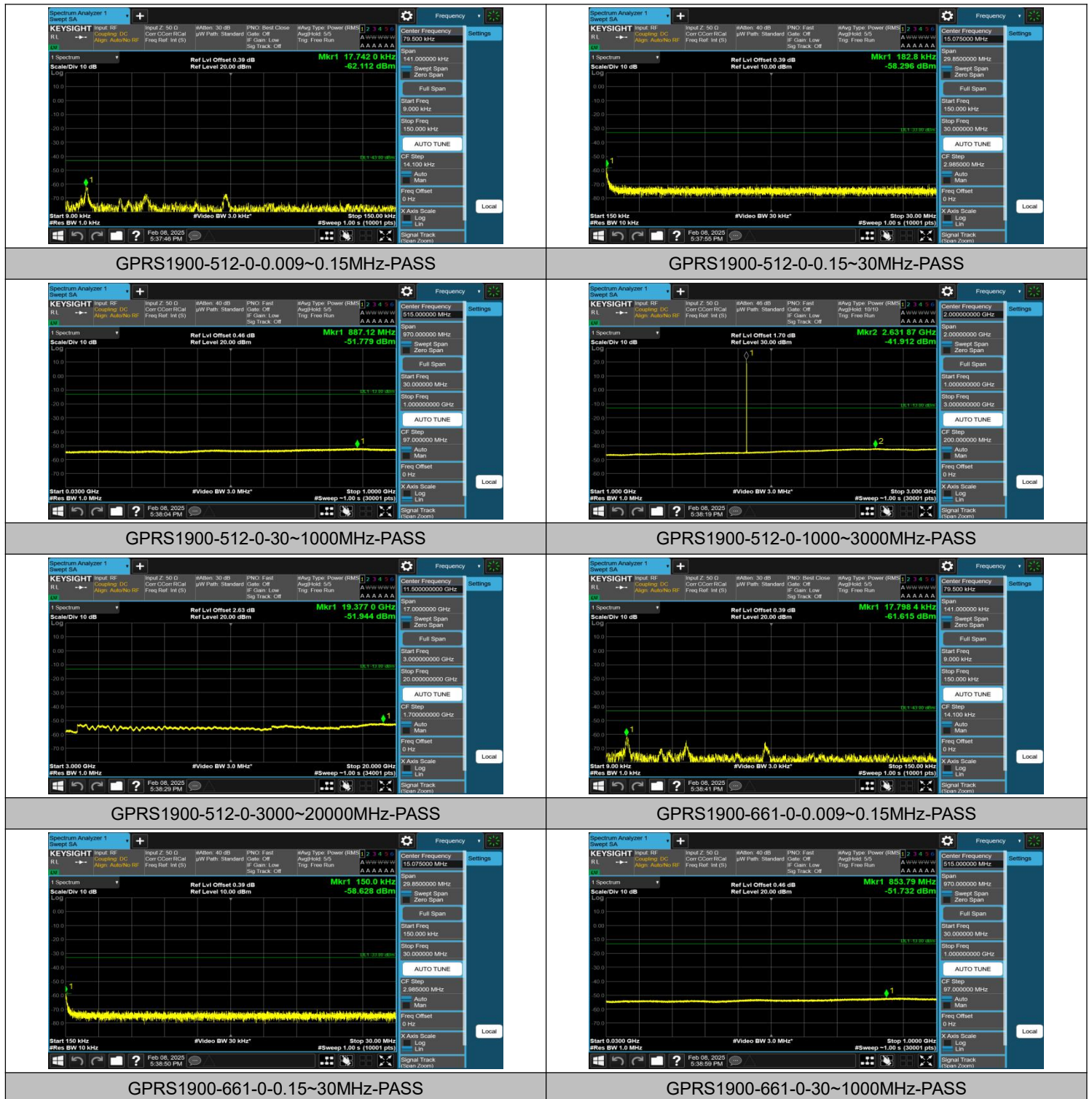


EGPRS1900-512-2-PASS

EGPRS1900-810-2-PASS

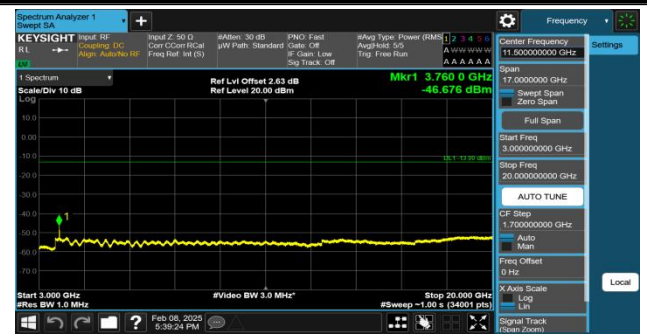
Conducted Spurious Emission

Test Graphs

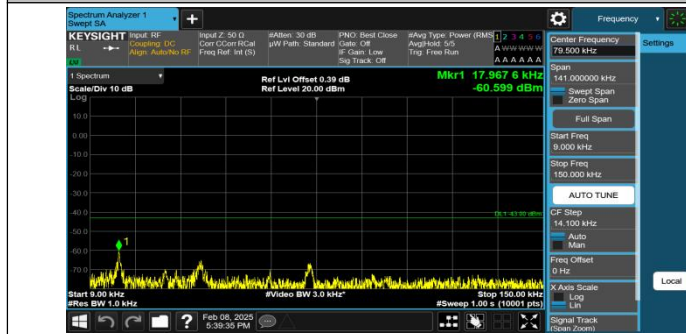




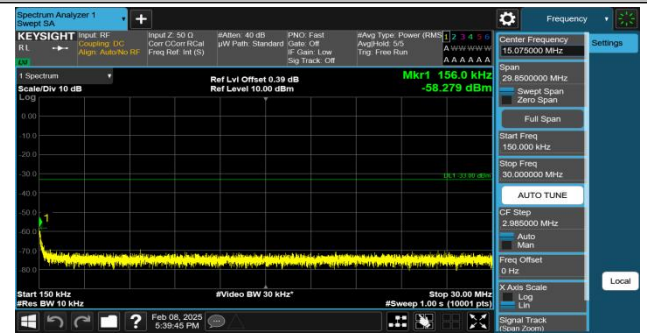
GPRS1900-661-0-1000~3000MHz-PASS



GPRS1900-661-0-3000~20000MHz-PASS



GPRS1900-810-0-0.009~0.15MHz-PASS



GPRS1900-810-0-0.15~30MHz-PASS



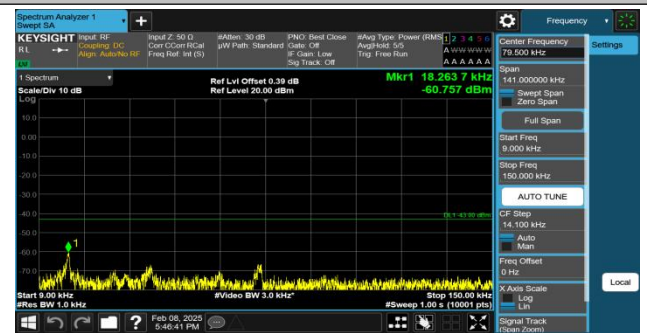
GPRS1900-810-0-30~1000MHz-PASS



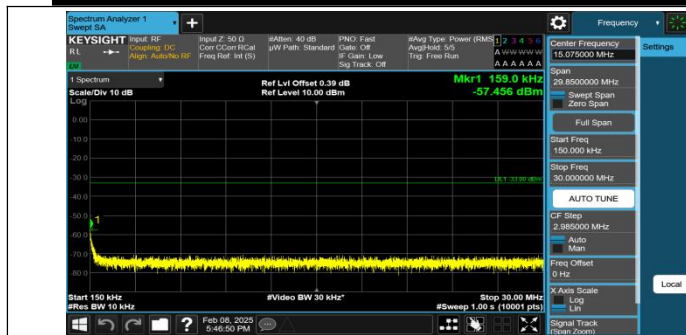
GPRS1900-810-0-1000~3000MHz-PASS



GPRS1900-810-0-3000~20000MHz-PASS



EGPRS1900-512-2-0.009~0.15MHz-PASS



EGPRS1900-512-2-0.15~30MHz-PASS



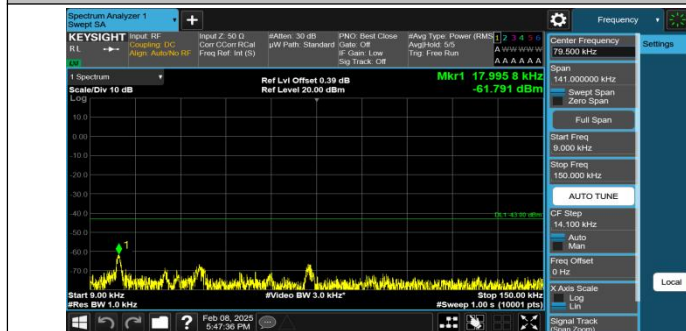
EGPRS1900-512-2-30~1000MHz-PASS



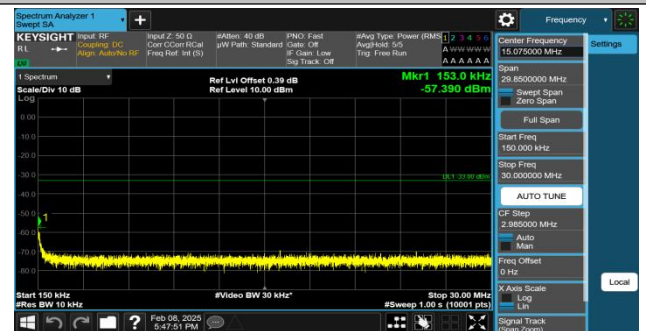
EGPRS1900-512-2-1000~3000MHz-PASS



EGPRS1900-512-2-3000~20000MHz-PASS



EGPRS1900-661-2-0.009~0.15MHz-PASS



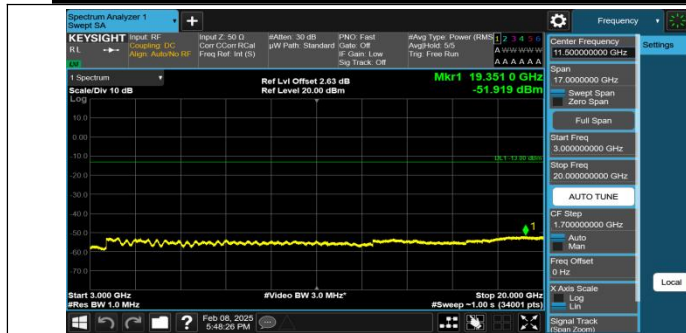
EGPRS1900-661-2-0.15~30MHz-PASS



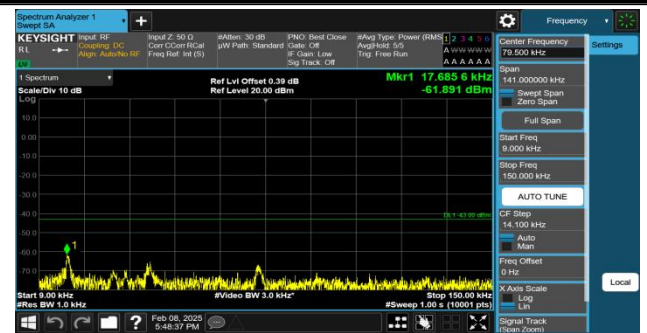
EGPRS1900-661-2-30~1000MHz-PASS



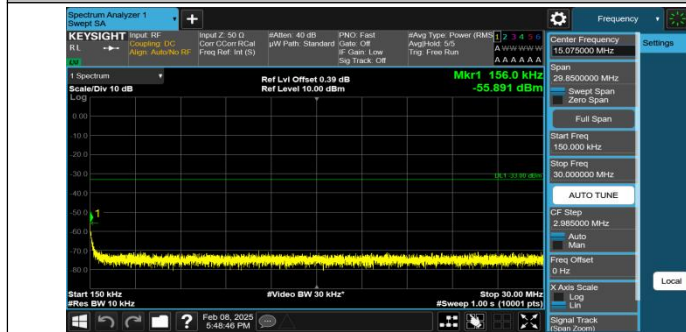
EGPRS1900-661-2-1000~3000MHz-PASS



EGPRS1900-661-2-3000~20000MHz-PASS



EGPRS1900-810-2-0.009~0.15MHz-PASS



EGPRS1900-810-2-0.15~30MHz-PASS



EGPRS1900-810-2-30~1000MHz-PASS



EGPRS1900-810-2-1000~3000MHz-PASS



EGPRS1900-810-2-3000~20000MHz-PASS

Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GPRS1900	512	VN	NT	20.97	0.011334	±2.5	PASS
GPRS1900	512	VL	NT	20.28	0.010961	±2.5	PASS
GPRS1900	512	VH	NT	21.13	0.011420	±2.5	PASS
GPRS1900	661	VN	NT	18.46	0.009819	±2.5	PASS
GPRS1900	661	VL	NT	17.02	0.009053	±2.5	PASS
GPRS1900	661	VH	NT	14.32	0.007617	±2.5	PASS
GPRS1900	810	VN	NT	17.32	0.009069	±2.5	PASS
GPRS1900	810	VL	NT	18.49	0.009682	±2.5	PASS
GPRS1900	810	VH	NT	19.11	0.010006	±2.5	PASS
EGPRS1900	512	VN	NT	19.22	0.010388	±2.5	PASS
EGPRS1900	512	VL	NT	17.36	0.009383	±2.5	PASS
EGPRS1900	512	VH	NT	18.39	0.009939	±2.5	PASS
EGPRS1900	661	VN	NT	16.46	0.008755	±2.5	PASS
EGPRS1900	661	VL	NT	14.83	0.007888	±2.5	PASS
EGPRS1900	661	VH	NT	18.92	0.010064	±2.5	PASS
EGPRS1900	810	VN	NT	16.03	0.008394	±2.5	PASS
EGPRS1900	810	VL	NT	19.86	0.010399	±2.5	PASS
EGPRS1900	810	VH	NT	22.21	0.011629	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GPRS1900	512	NV	-30	21.84	0.011804	±2.5	PASS
GPRS1900	512	NV	-20	23.54	0.012723	±2.5	PASS
GPRS1900	512	NV	-10	20.34	0.010993	±2.5	PASS
GPRS1900	512	NV	0	21.64	0.011696	±2.5	PASS
GPRS1900	512	NV	10	22.10	0.011945	±2.5	PASS
GPRS1900	512	NV	20	22.10	0.011945	±2.5	PASS
GPRS1900	512	NV	30	19.48	0.010529	±2.5	PASS
GPRS1900	512	NV	40	20.77	0.011226	±2.5	PASS
GPRS1900	512	NV	50	20.46	0.011058	±2.5	PASS
GPRS1900	661	NV	-30	14.46	0.007691	±2.5	PASS
GPRS1900	661	NV	-20	18.96	0.010085	±2.5	PASS
GPRS1900	661	NV	-10	12.95	0.006888	±2.5	PASS
GPRS1900	661	NV	0	17.56	0.009340	±2.5	PASS
GPRS1900	661	NV	10	14.93	0.007941	±2.5	PASS

GPRS1900	661	NV	20	18.91	0.010059	±2.5	PASS
GPRS1900	661	NV	30	18.12	0.009638	±2.5	PASS
GPRS1900	661	NV	40	19.24	0.010234	±2.5	PASS
GPRS1900	661	NV	50	16.12	0.008574	±2.5	PASS
GPRS1900	810	NV	-30	18.04	0.009446	±2.5	PASS
GPRS1900	810	NV	-20	16.77	0.008781	±2.5	PASS
GPRS1900	810	NV	-10	17.03	0.008917	±2.5	PASS
GPRS1900	810	NV	0	22.62	0.011844	±2.5	PASS
GPRS1900	810	NV	10	19.24	0.010074	±2.5	PASS
GPRS1900	810	NV	20	18.66	0.009771	±2.5	PASS
GPRS1900	810	NV	30	20.01	0.010478	±2.5	PASS
GPRS1900	810	NV	40	19.88	0.010409	±2.5	PASS
GPRS1900	810	NV	50	20.74	0.010860	±2.5	PASS
EGPRS1900	512	NV	-30	19.30	0.010431	±2.5	PASS
EGPRS1900	512	NV	-20	19.77	0.010685	±2.5	PASS
EGPRS1900	512	NV	-10	19.58	0.010583	±2.5	PASS
EGPRS1900	512	NV	0	18.47	0.009983	±2.5	PASS
EGPRS1900	512	NV	10	17.60	0.009512	±2.5	PASS
EGPRS1900	512	NV	20	21.89	0.011831	±2.5	PASS
EGPRS1900	512	NV	30	21.38	0.011556	±2.5	PASS
EGPRS1900	512	NV	40	22.57	0.012199	±2.5	PASS
EGPRS1900	512	NV	50	20.42	0.011037	±2.5	PASS
EGPRS1900	661	NV	-30	17.83	0.009484	±2.5	PASS
EGPRS1900	661	NV	-20	17.30	0.009202	±2.5	PASS
EGPRS1900	661	NV	-10	15.92	0.008468	±2.5	PASS
EGPRS1900	661	NV	0	16.65	0.008856	±2.5	PASS
EGPRS1900	661	NV	10	16.55	0.008803	±2.5	PASS
EGPRS1900	661	NV	20	15.88	0.008447	±2.5	PASS
EGPRS1900	661	NV	30	15.05	0.008005	±2.5	PASS
EGPRS1900	661	NV	40	13.65	0.007261	±2.5	PASS
EGPRS1900	661	NV	50	13.12	0.006979	±2.5	PASS
EGPRS1900	810	NV	-30	18.79	0.009839	±2.5	PASS
EGPRS1900	810	NV	-20	19.03	0.009964	±2.5	PASS
EGPRS1900	810	NV	-10	17.95	0.009399	±2.5	PASS
EGPRS1900	810	NV	0	19.24	0.010074	±2.5	PASS
EGPRS1900	810	NV	10	17.90	0.009373	±2.5	PASS
EGPRS1900	810	NV	20	19.87	0.010404	±2.5	PASS
EGPRS1900	810	NV	30	15.24	0.007980	±2.5	PASS
EGPRS1900	810	NV	40	17.01	0.008907	±2.5	PASS
EGPRS1900	810	NV	50	18.22	0.009540	±2.5	PASS

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