

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	29.73	1.59	31.32	33	PASS
GPRS1900	661	1	30.13	1.59	31.72	33	PASS
GPRS1900	810	1	30.08	1.59	31.67	33	PASS
GPRS1900	512	2	28.66	1.59	30.25	33	PASS
GPRS1900	661	2	28.94	1.59	30.53	33	PASS
GPRS1900	810	2	29.01	1.59	30.6	33	PASS
GPRS1900	512	3	27.11	1.59	28.7	33	PASS
GPRS1900	661	3	27.14	1.59	28.73	33	PASS
GPRS1900	810	3	27.02	1.59	28.61	33	PASS
GPRS1900	512	4	26.26	1.59	27.85	33	PASS
GPRS1900	661	4	26.22	1.59	27.81	33	PASS
GPRS1900	810	4	26.1	1.59	27.69	33	PASS

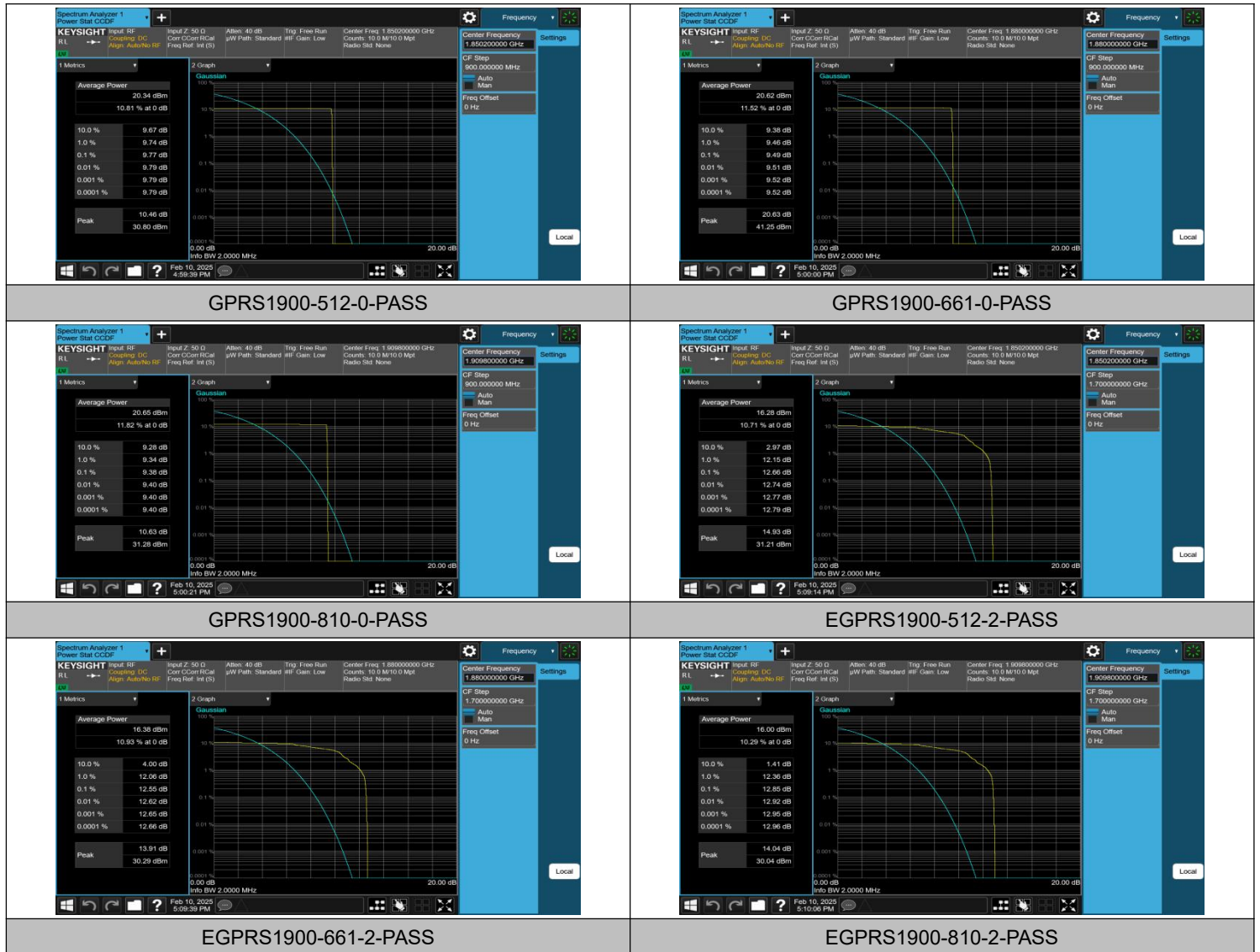
Band	Channel	Up Slot Num	Power(dBm)	Gain(dBi)	ERP/EIRP (dBm)	Limit(dBm)	Verdict
EGPRS1900	512	1	25.8	1.59	27.39	33	PASS
EGPRS1900	661	1	25.83	1.59	27.42	33	PASS
EGPRS1900	810	1	25.73	1.59	27.32	33	PASS
EGPRS1900	512	2	25.67	1.59	27.26	33	PASS
EGPRS1900	661	2	25.76	1.59	27.35	33	PASS
EGPRS1900	810	2	25.63	1.59	27.22	33	PASS
EGPRS1900	512	3	24.56	1.59	26.15	33	PASS
EGPRS1900	661	3	24.59	1.59	26.18	33	PASS
EGPRS1900	810	3	24.47	1.59	26.06	33	PASS
EGPRS1900	512	4	23.37	1.59	24.96	33	PASS
EGPRS1900	661	4	23.43	1.59	25.02	33	PASS
EGPRS1900	810	4	23.38	1.59	24.97	33	PASS

Peak-to-Average Ratio(CCDF)

Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GPRS1900	512	9.77	13	PASS
GPRS1900	661	9.49	13	PASS
GPRS1900	810	9.38	13	PASS
EGPRS1900	512	12.66	13	PASS
EGPRS1900	661	12.55	13	PASS
EGPRS1900	810	12.85	13	PASS

Test Graphs

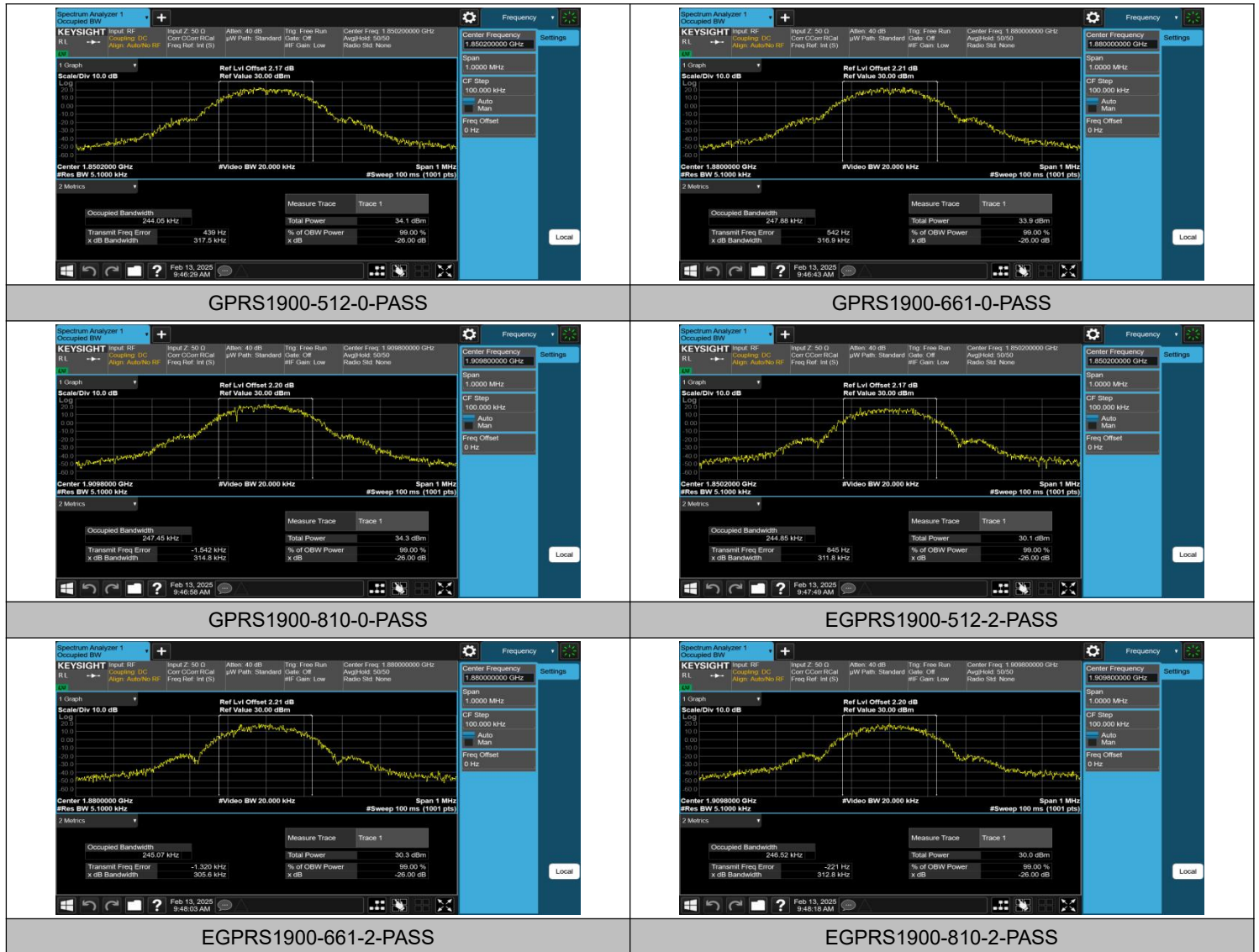


26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
GPRS1900	512	0.24405	0.3175	PASS
GPRS1900	661	0.24788	0.3169	PASS
GPRS1900	810	0.24745	0.3148	PASS
EGPRS1900	512	0.24485	0.3118	PASS
EGPRS1900	661	0.24507	0.3056	PASS
EGPRS1900	810	0.24652	0.3128	PASS

Test Graphs



Band Edge

Test Graphs



GPRS1900-512-0-PASS



GPRS1900-810-0-PASS



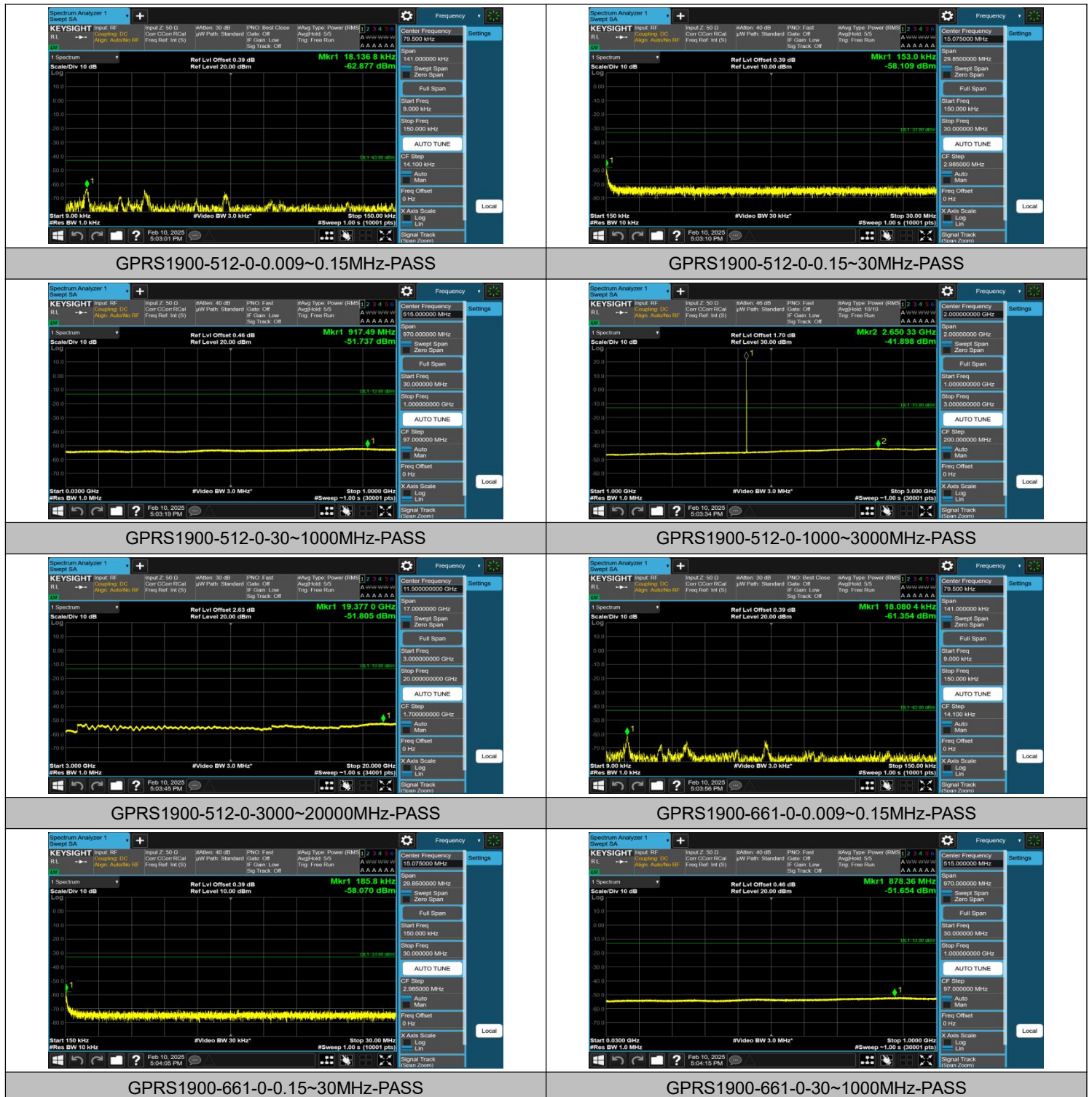
EGPRS1900-512-2-PASS



EGPRS1900-810-2-PASS

Conducted Spurious Emission

Test Graphs

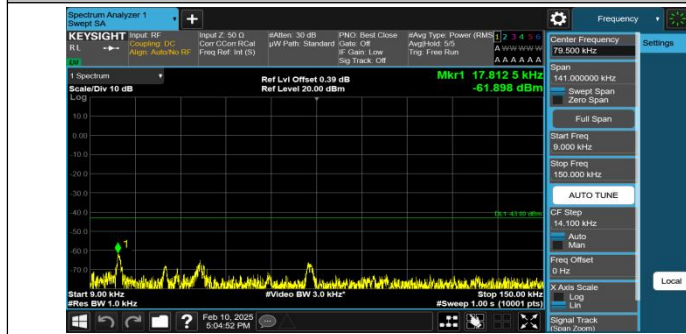




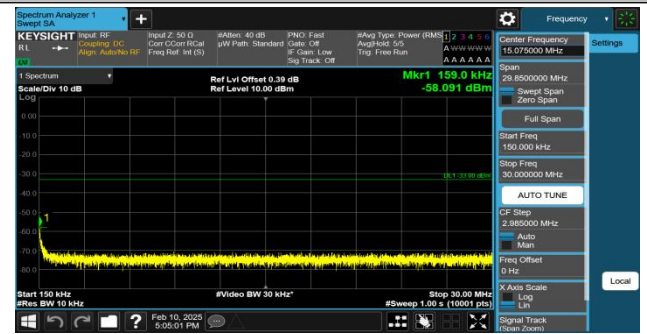
GPRS1900-661-0-1000~3000MHz-PASS



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



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



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



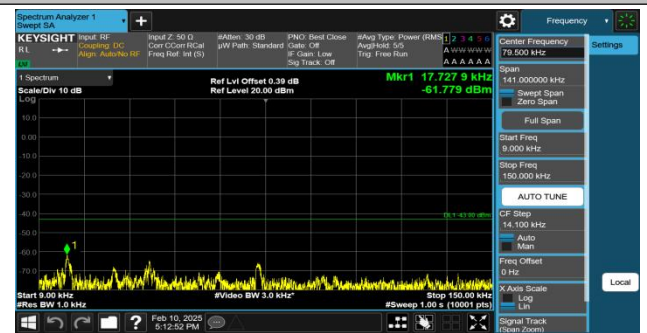
GPRS1900-810-0-30~1000MHz-PASS



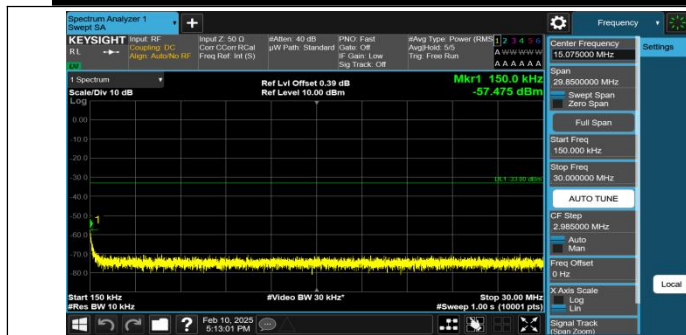
GPRS1900-810-0-1000~3000MHz-PASS



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



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



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



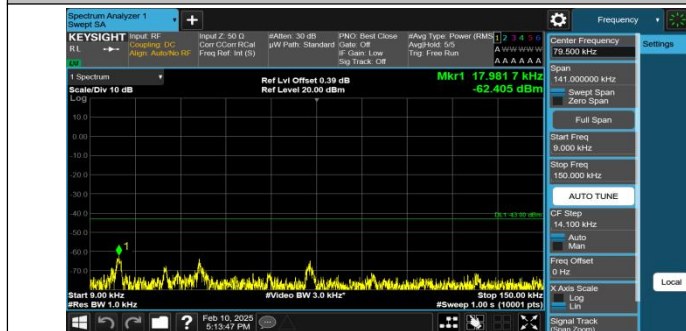
EGPRS1900-512-2-30~1000MHz-PASS



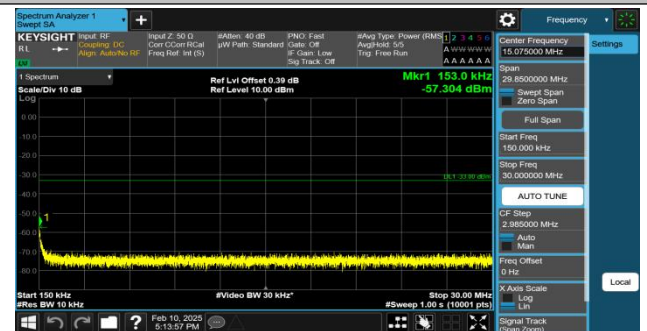
EGPRS1900-512-2-1000~3000MHz-PASS



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



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



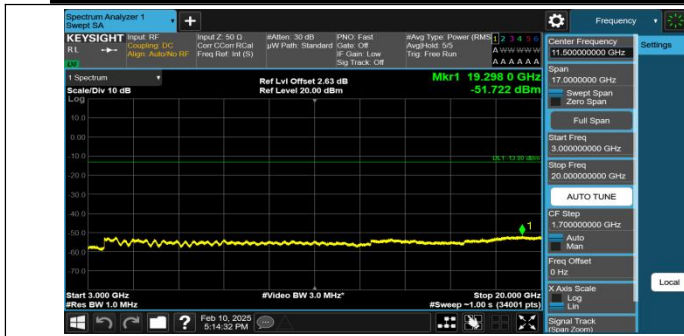
EGPRS1900-661-2-0.15~30MHz-PASS



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



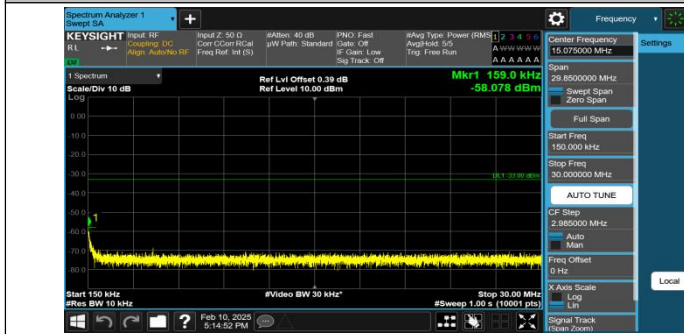
EGPRS1900-661-2-1000~3000MHz-PASS



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



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



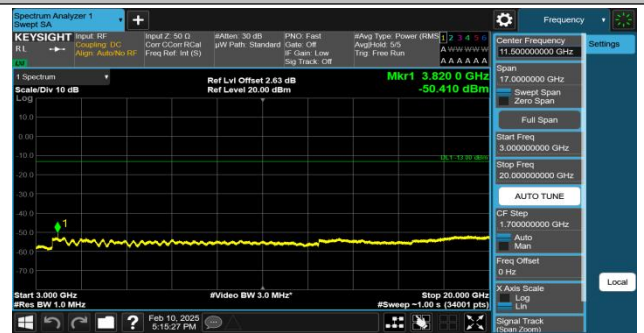
EGPRS1900-810-2-0.15~30MHz-PASS



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	21.10	0.011404	±2.5	PASS
GPRS1900	512	VL	NT	21.73	0.011745	±2.5	PASS
GPRS1900	512	VH	NT	23.59	0.012750	±2.5	PASS
GPRS1900	661	VN	NT	21.78	0.011585	±2.5	PASS
GPRS1900	661	VL	NT	17.27	0.009186	±2.5	PASS
GPRS1900	661	VH	NT	16.91	0.008995	±2.5	PASS
GPRS1900	810	VN	NT	22.45	0.011755	±2.5	PASS
GPRS1900	810	VL	NT	26.25	0.013745	±2.5	PASS
GPRS1900	810	VH	NT	23.86	0.012493	±2.5	PASS
EGPRS1900	512	VN	NT	17.20	0.009296	±2.5	PASS
EGPRS1900	512	VL	NT	21.04	0.011372	±2.5	PASS
EGPRS1900	512	VH	NT	19.73	0.010664	±2.5	PASS
EGPRS1900	661	VN	NT	16.65	0.008856	±2.5	PASS
EGPRS1900	661	VL	NT	17.96	0.009553	±2.5	PASS
EGPRS1900	661	VH	NT	20.68	0.011000	±2.5	PASS
EGPRS1900	810	VN	NT	14.66	0.007676	±2.5	PASS
EGPRS1900	810	VL	NT	24.68	0.012923	±2.5	PASS
EGPRS1900	810	VH	NT	25.31	0.013253	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GPRS1900	512	NV	-30	20.60	0.011134	±2.5	PASS
GPRS1900	512	NV	-20	19.18	0.010366	±2.5	PASS
GPRS1900	512	NV	-10	21.31	0.011518	±2.5	PASS
GPRS1900	512	NV	0	20.22	0.010929	±2.5	PASS
GPRS1900	512	NV	10	23.57	0.012739	±2.5	PASS
GPRS1900	512	NV	20	22.65	0.012242	±2.5	PASS
GPRS1900	512	NV	30	17.41	0.009410	±2.5	PASS
GPRS1900	512	NV	40	18.17	0.009821	±2.5	PASS
GPRS1900	512	NV	50	18.45	0.009972	±2.5	PASS
GPRS1900	661	NV	-30	21.86	0.011628	±2.5	PASS
GPRS1900	661	NV	-20	21.77	0.011580	±2.5	PASS
GPRS1900	661	NV	-10	19.92	0.010596	±2.5	PASS
GPRS1900	661	NV	0	22.50	0.011968	±2.5	PASS
GPRS1900	661	NV	10	16.51	0.008782	±2.5	PASS

GPRS1900	661	NV	20	21.18	0.011266	±2.5	PASS
GPRS1900	661	NV	30	19.74	0.010500	±2.5	PASS
GPRS1900	661	NV	40	18.14	0.009649	±2.5	PASS
GPRS1900	661	NV	50	18.45	0.009814	±2.5	PASS
GPRS1900	810	NV	-30	28.47	0.014907	±2.5	PASS
GPRS1900	810	NV	-20	29.72	0.015562	±2.5	PASS
GPRS1900	810	NV	-10	23.56	0.012336	±2.5	PASS
GPRS1900	810	NV	0	24.36	0.012755	±2.5	PASS
GPRS1900	810	NV	10	28.65	0.015002	±2.5	PASS
GPRS1900	810	NV	20	24.76	0.012965	±2.5	PASS
GPRS1900	810	NV	30	26.78	0.014022	±2.5	PASS
GPRS1900	810	NV	40	29.29	0.015337	±2.5	PASS
GPRS1900	810	NV	50	27.39	0.014342	±2.5	PASS
EGPRS1900	512	NV	-30	16.70	0.009026	±2.5	PASS
EGPRS1900	512	NV	-20	18.81	0.010166	±2.5	PASS
EGPRS1900	512	NV	-10	19.41	0.010491	±2.5	PASS
EGPRS1900	512	NV	0	18.44	0.009966	±2.5	PASS
EGPRS1900	512	NV	10	20.93	0.011312	±2.5	PASS
EGPRS1900	512	NV	20	21.69	0.011723	±2.5	PASS
EGPRS1900	512	NV	30	19.20	0.010377	±2.5	PASS
EGPRS1900	512	NV	40	19.67	0.010631	±2.5	PASS
EGPRS1900	512	NV	50	17.49	0.009453	±2.5	PASS
EGPRS1900	661	NV	-30	18.05	0.009601	±2.5	PASS
EGPRS1900	661	NV	-20	16.24	0.008638	±2.5	PASS
EGPRS1900	661	NV	-10	16.09	0.008559	±2.5	PASS
EGPRS1900	661	NV	0	16.50	0.008777	±2.5	PASS
EGPRS1900	661	NV	10	14.13	0.007516	±2.5	PASS
EGPRS1900	661	NV	20	15.92	0.008468	±2.5	PASS
EGPRS1900	661	NV	30	15.09	0.008027	±2.5	PASS
EGPRS1900	661	NV	40	20.67	0.010995	±2.5	PASS
EGPRS1900	661	NV	50	18.85	0.010027	±2.5	PASS
EGPRS1900	810	NV	-30	22.59	0.011828	±2.5	PASS
EGPRS1900	810	NV	-20	21.74	0.011383	±2.5	PASS
EGPRS1900	810	NV	-10	21.50	0.011258	±2.5	PASS
EGPRS1900	810	NV	0	25.22	0.013206	±2.5	PASS
EGPRS1900	810	NV	10	24.89	0.013033	±2.5	PASS
EGPRS1900	810	NV	20	18.47	0.009671	±2.5	PASS
EGPRS1900	810	NV	30	20.64	0.010807	±2.5	PASS
EGPRS1900	810	NV	40	20.48	0.010724	±2.5	PASS
EGPRS1900	810	NV	50	23.79	0.012457	±2.5	PASS

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