

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	Power (dBm)	Gain (dBi)	E(I)RP (dBm)	Limit (dBm)	Verdict
GSM1900	512	29.68	1.59	31.27	33	PASS
GSM1900	661	29.78	1.59	31.37	33	PASS
GSM1900	810	29.71	1.59	31.3	33	PASS

Band	Channel	Up Slot Num	Power(dBm)	Gain (dBi)	E(I)RP (dBm)	Limit (dBm)	Verdict
GPRS1900	512	1	29.69	1.59	31.28	33	PASS
GPRS1900	661	1	29.75	1.59	31.34	33	PASS
GPRS1900	810	1	29.66	1.59	31.25	33	PASS
GPRS1900	512	2	28.61	1.59	30.2	33	PASS
GPRS1900	661	2	28.78	1.59	30.37	33	PASS
GPRS1900	810	2	28.79	1.59	30.38	33	PASS
GPRS1900	512	3	27.23	1.59	28.82	33	PASS
GPRS1900	661	3	27.25	1.59	28.84	33	PASS
GPRS1900	810	3	27.34	1.59	28.93	33	PASS
GPRS1900	512	4	26.20	1.59	27.79	33	PASS
GPRS1900	661	4	26.36	1.59	27.95	33	PASS
GPRS1900	810	4	26.48	1.59	28.07	33	PASS

Peak-to-Average Ratio(CCDF)

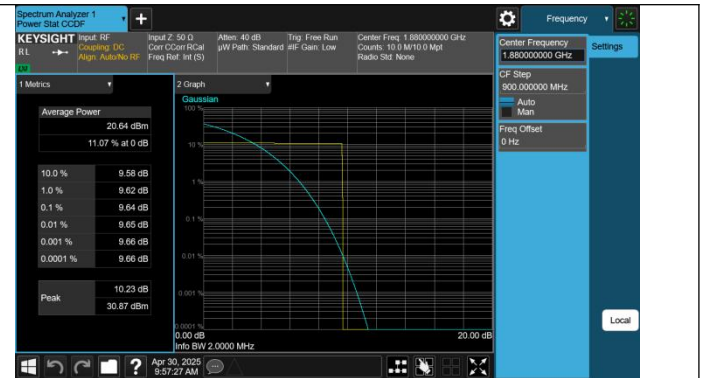
Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM1900	512	9.61	13	PASS
GSM1900	661	9.64	13	PASS
GSM1900	810	9.68	13	PASS
GPRS1900	512	9.51	13	PASS
GPRS1900	661	9.63	13	PASS
GPRS1900	810	9.73	13	PASS

Test Graphs



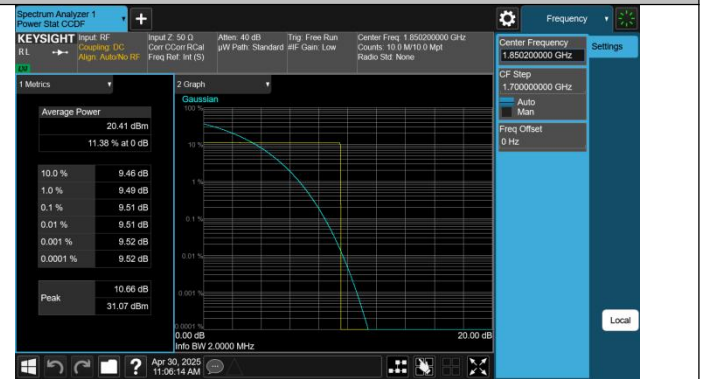
GSM1900-512-0-PASS



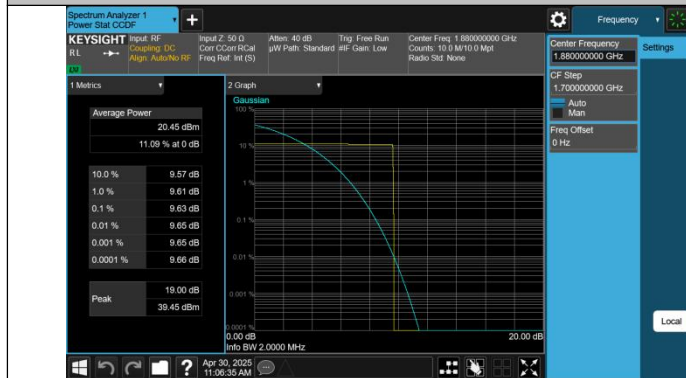
GSM1900-661-0-PASS



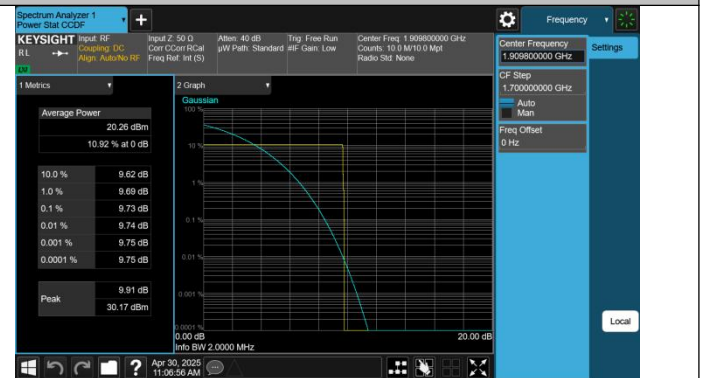
GSM1900-810-0-PASS



GPRS1900-512-0-PASS



GPRS1900-661-0-PASS



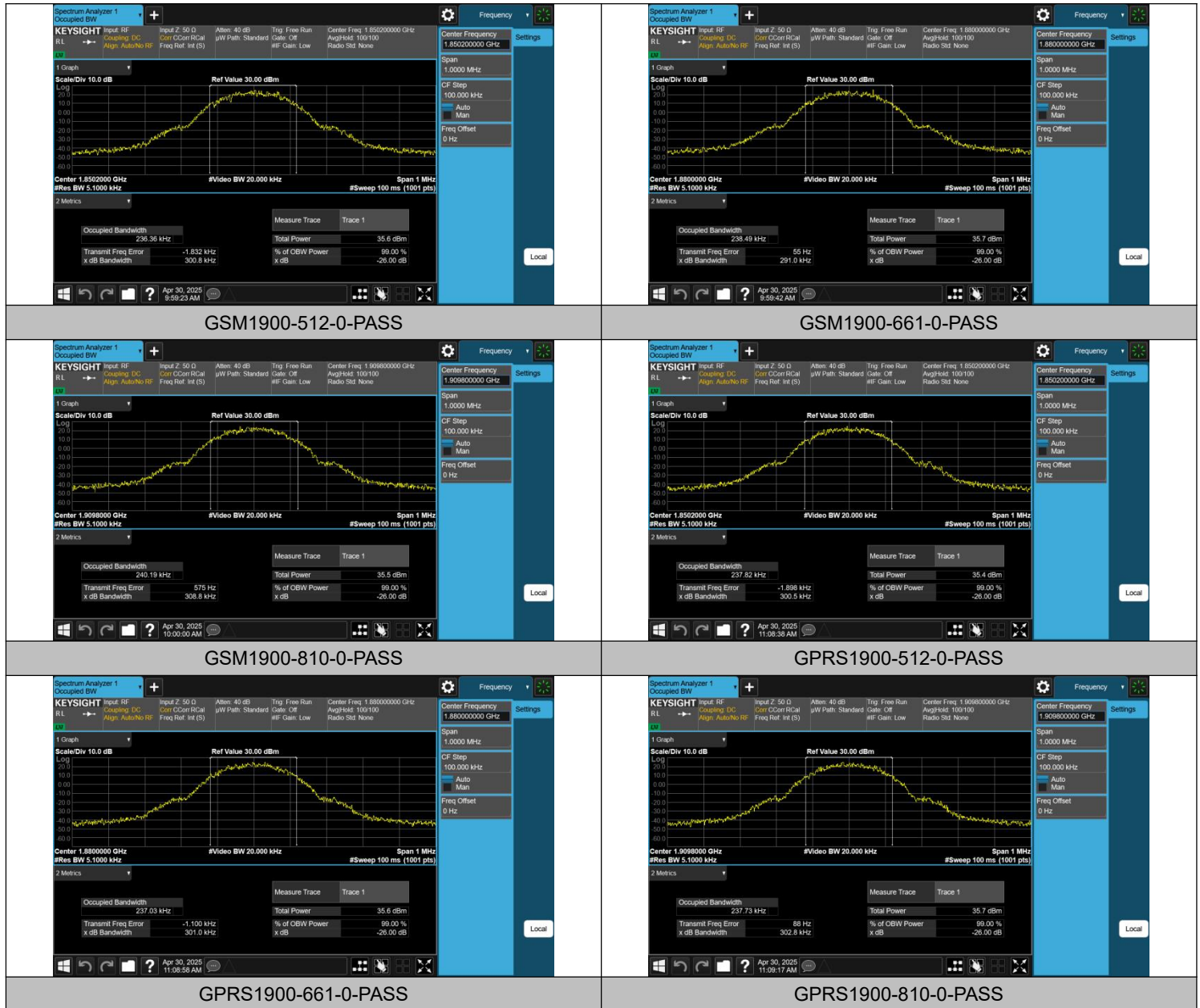
GPRS1900-810-0-PASS

26dB Bandwidth and Occupied Bandwidth

Test Result

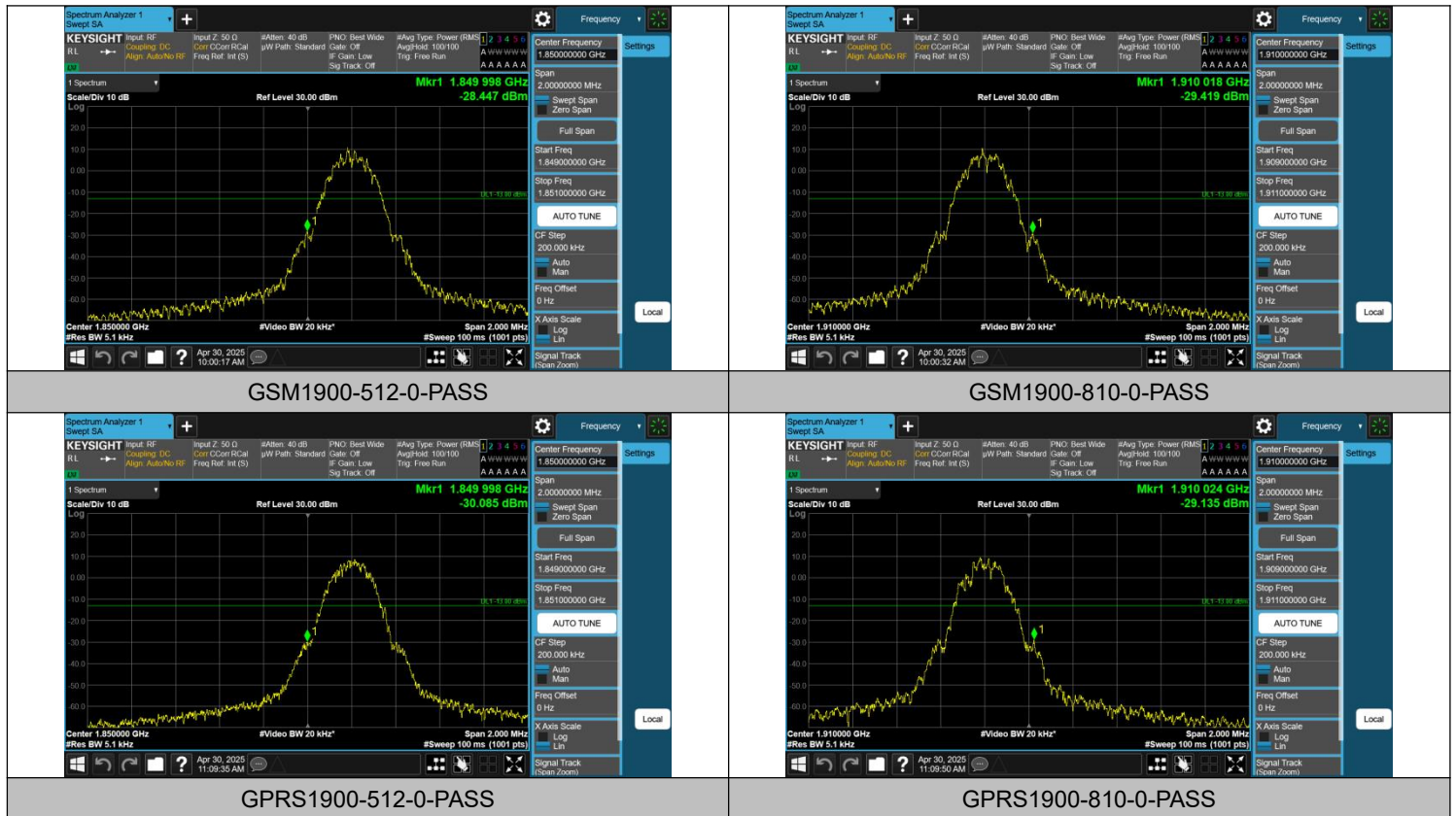
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
GSM1900	512	0.23636	0.3008	PASS
GSM1900	661	0.23849	0.2910	PASS
GSM1900	810	0.24019	0.3088	PASS
GPRS1900	512	0.23782	0.3005	PASS
GPRS1900	661	0.23703	0.3010	PASS
GPRS1900	810	0.23773	0.3028	PASS

Test Graphs



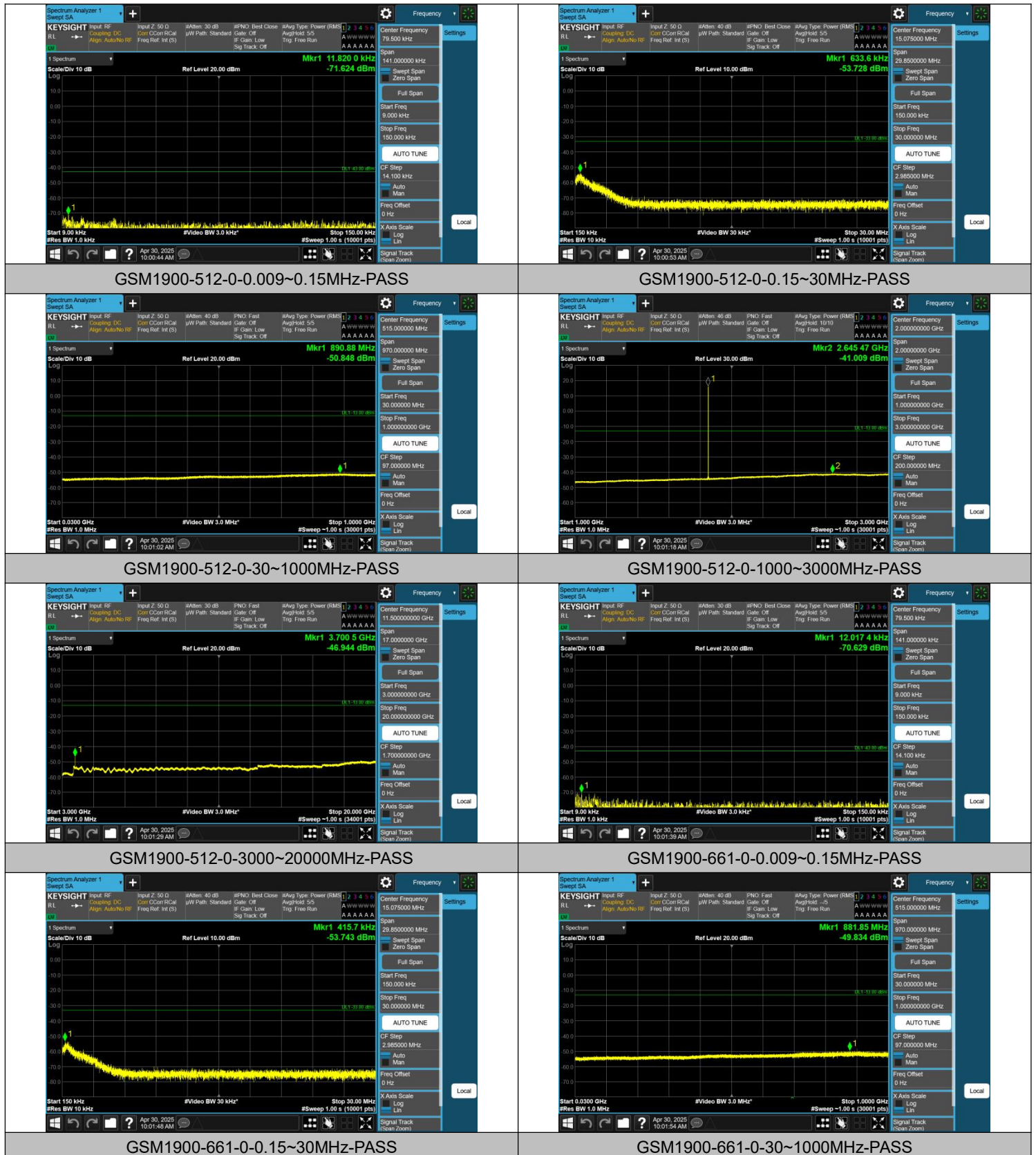
Band Edge

Test Graphs



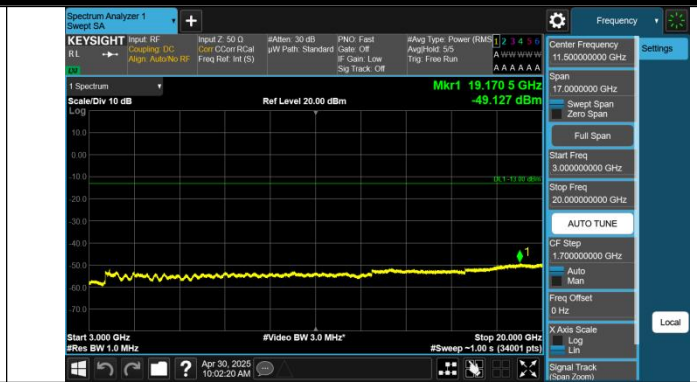
Conducted Spurious Emission

Test Graphs





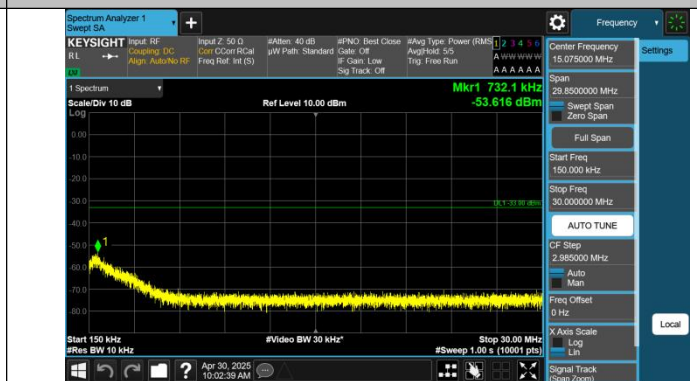
GSM1900-661-0-1000~3000MHz-PASS



GSM1900-661-0-3000~20000MHz-PASS



GSM1900-810-0-0.009~0.15MHz-PASS



GSM1900-810-0-0.15~30MHz-PASS



GSM1900-810-0-0.009~0.15MHz-PASS



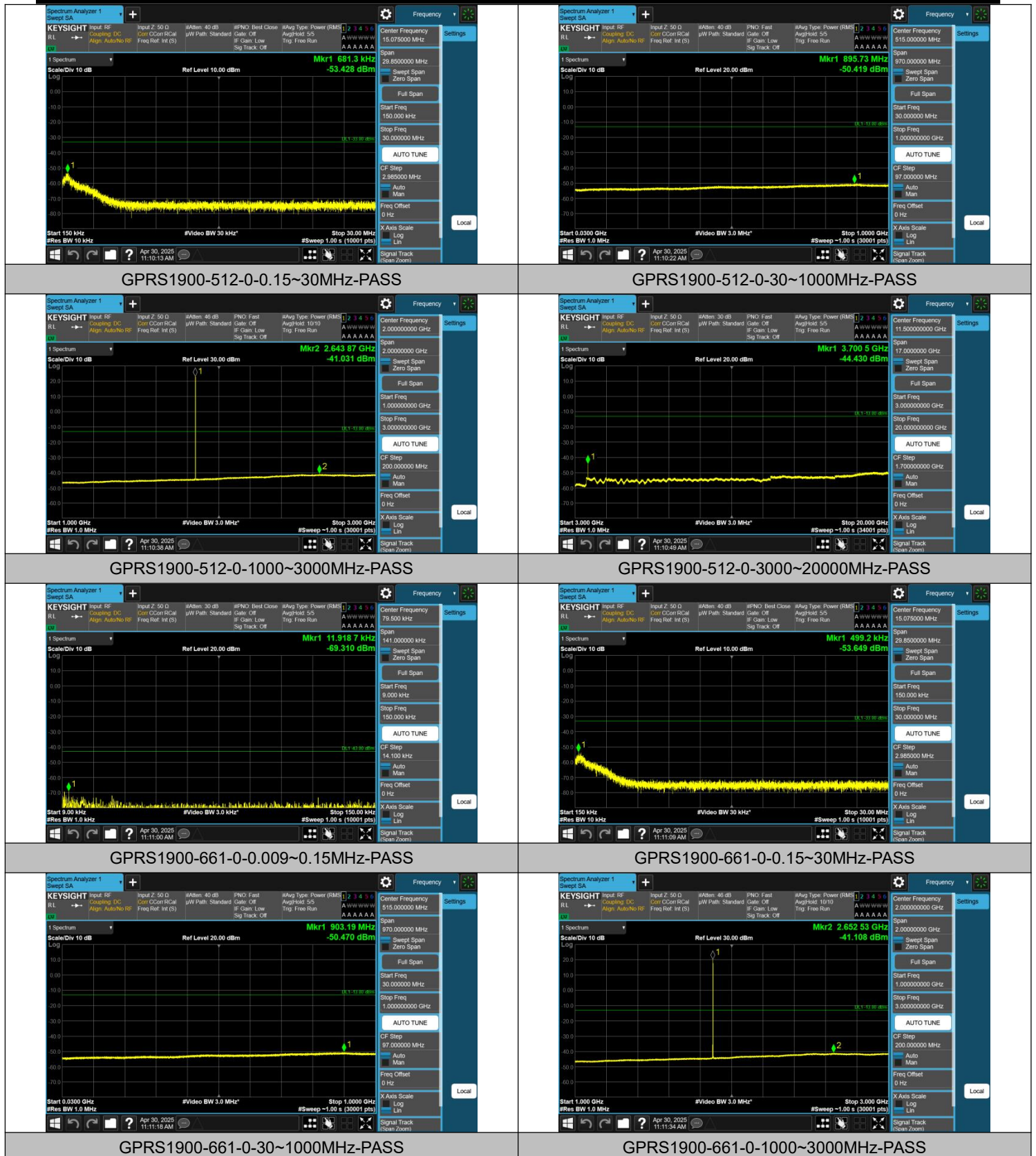
GSM1900-810-0-1000~3000MHz-PASS

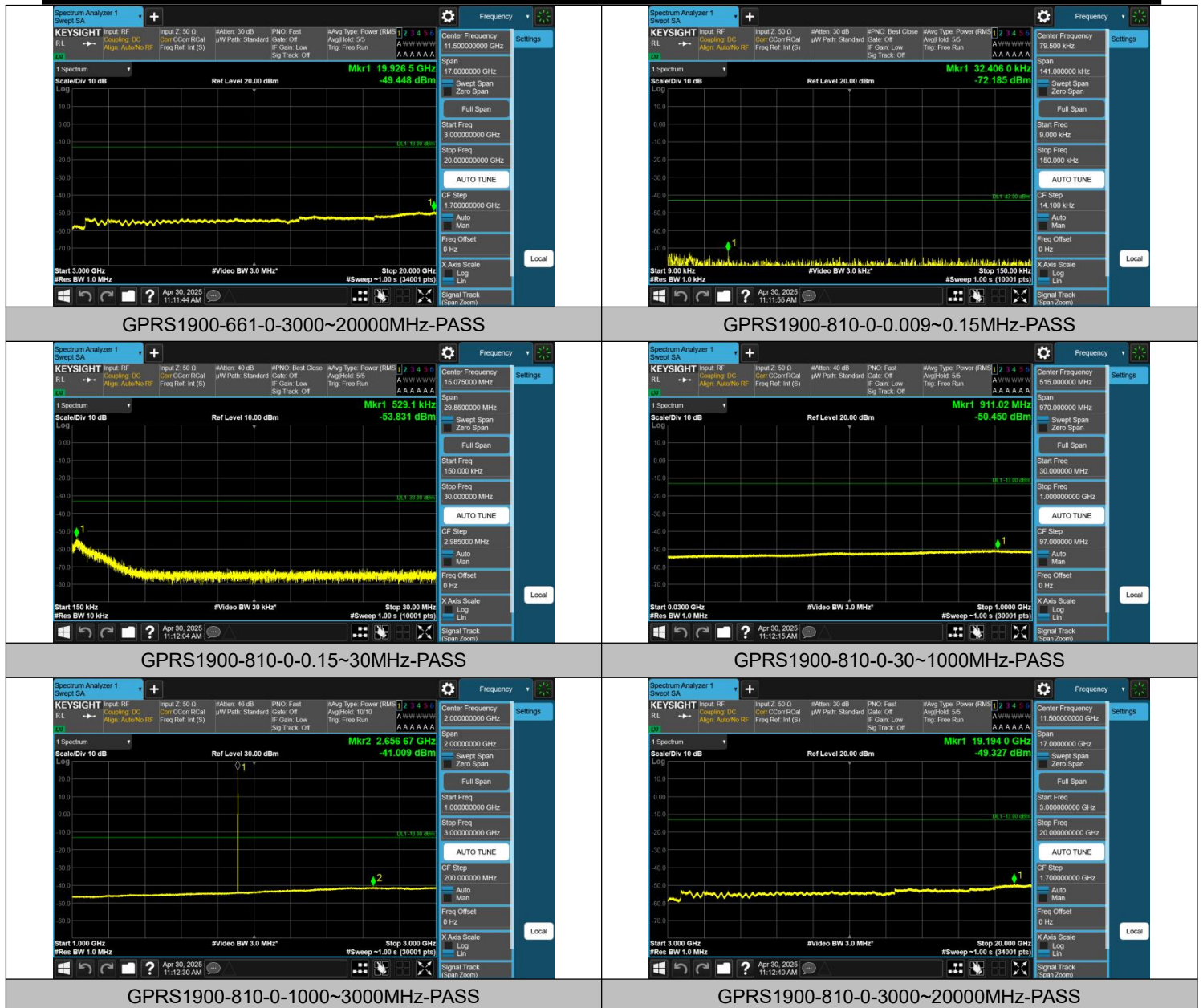


GSM1900-810-0-3000~20000MHz-PASS



GPRS1900-512-0-0.009~0.15MHz-PASS





Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM1900	512	VN	NT	-8.91	-0.004816	±2.5	PASS
GSM1900	512	VL	NT	-9.89	-0.005345	±2.5	PASS
GSM1900	512	VH	NT	-10.60	-0.005729	±2.5	PASS
GSM1900	661	VN	NT	-11.12	-0.005915	±2.5	PASS
GSM1900	661	VL	NT	-10.74	-0.005713	±2.5	PASS
GSM1900	661	VH	NT	-7.66	-0.004074	±2.5	PASS
GSM1900	810	VN	NT	-9.86	-0.005163	±2.5	PASS
GSM1900	810	VL	NT	-10.76	-0.005634	±2.5	PASS
GSM1900	810	VH	NT	-10.97	-0.005744	±2.5	PASS
GPRS1900	512	VN	NT	-10.51	-0.005680	±2.5	PASS
GPRS1900	512	VL	NT	-10.86	-0.005870	±2.5	PASS
GPRS1900	512	VH	NT	-9.97	-0.005389	±2.5	PASS
GPRS1900	661	VN	NT	-8.94	-0.004755	±2.5	PASS
GPRS1900	661	VL	NT	-9.00	-0.004787	±2.5	PASS
GPRS1900	661	VH	NT	-8.78	-0.004670	±2.5	PASS
GPRS1900	810	VN	NT	-9.89	-0.005179	±2.5	PASS
GPRS1900	810	VL	NT	-10.72	-0.005613	±2.5	PASS
GPRS1900	810	VH	NT	-9.07	-0.004749	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM1900	512	NV	-30	-11.10	-0.005999	±2.5	PASS
GSM1900	512	NV	-20	-10.28	-0.005556	±2.5	PASS
GSM1900	512	NV	-10	-10.73	-0.005799	±2.5	PASS
GSM1900	512	NV	0	-10.14	-0.005480	±2.5	PASS
GSM1900	512	NV	10	-11.01	-0.005951	±2.5	PASS
GSM1900	512	NV	20	-10.67	-0.005767	±2.5	PASS
GSM1900	512	NV	30	-8.30	-0.004486	±2.5	PASS
GSM1900	512	NV	40	-9.39	-0.005075	±2.5	PASS
GSM1900	512	NV	50	-10.07	-0.005443	±2.5	PASS
GSM1900	661	NV	-30	-10.08	-0.005362	±2.5	PASS
GSM1900	661	NV	-20	-9.69	-0.005154	±2.5	PASS
GSM1900	661	NV	-10	-10.11	-0.005378	±2.5	PASS
GSM1900	661	NV	0	-10.75	-0.005718	±2.5	PASS
GSM1900	661	NV	10	-9.72	-0.005170	±2.5	PASS

GSM1900	661	NV	20	-8.94	-0.004755	±2.5	PASS
GSM1900	661	NV	30	-10.62	-0.005649	±2.5	PASS
GSM1900	661	NV	40	-8.64	-0.004596	±2.5	PASS
GSM1900	661	NV	50	-8.70	-0.004628	±2.5	PASS
GSM1900	810	NV	-30	-9.99	-0.005231	±2.5	PASS
GSM1900	810	NV	-20	-10.74	-0.005624	±2.5	PASS
GSM1900	810	NV	-10	-11.87	-0.006215	±2.5	PASS
GSM1900	810	NV	0	-10.77	-0.005639	±2.5	PASS
GSM1900	810	NV	10	-11.48	-0.006011	±2.5	PASS
GSM1900	810	NV	20	-11.92	-0.006241	±2.5	PASS
GSM1900	810	NV	30	-11.18	-0.005854	±2.5	PASS
GSM1900	810	NV	40	-11.25	-0.005891	±2.5	PASS
GSM1900	810	NV	50	-12.13	-0.006351	±2.5	PASS
GPRS1900	512	NV	-30	-8.97	-0.004848	±2.5	PASS
GPRS1900	512	NV	-20	-9.78	-0.005286	±2.5	PASS
GPRS1900	512	NV	-10	-9.60	-0.005189	±2.5	PASS
GPRS1900	512	NV	0	-10.30	-0.005567	±2.5	PASS
GPRS1900	512	NV	10	-8.10	-0.004378	±2.5	PASS
GPRS1900	512	NV	20	-9.05	-0.004891	±2.5	PASS
GPRS1900	512	NV	30	-8.56	-0.004627	±2.5	PASS
GPRS1900	512	NV	40	-9.07	-0.004902	±2.5	PASS
GPRS1900	512	NV	50	-8.67	-0.004686	±2.5	PASS
GPRS1900	661	NV	-30	-8.83	-0.004697	±2.5	PASS
GPRS1900	661	NV	-20	-9.51	-0.005059	±2.5	PASS
GPRS1900	661	NV	-10	-10.88	-0.005787	±2.5	PASS
GPRS1900	661	NV	0	-10.16	-0.005404	±2.5	PASS
GPRS1900	661	NV	10	-9.13	-0.004856	±2.5	PASS
GPRS1900	661	NV	20	-9.15	-0.004867	±2.5	PASS
GPRS1900	661	NV	30	-8.97	-0.004771	±2.5	PASS
GPRS1900	661	NV	40	-10.01	-0.005324	±2.5	PASS
GPRS1900	661	NV	50	-11.04	-0.005872	±2.5	PASS
GPRS1900	810	NV	-30	-10.40	-0.005446	±2.5	PASS
GPRS1900	810	NV	-20	-11.32	-0.005927	±2.5	PASS
GPRS1900	810	NV	-10	-11.41	-0.005974	±2.5	PASS
GPRS1900	810	NV	0	-9.89	-0.005179	±2.5	PASS
GPRS1900	810	NV	10	-9.94	-0.005205	±2.5	PASS
GPRS1900	810	NV	20	-9.45	-0.004948	±2.5	PASS
GPRS1900	810	NV	30	-9.93	-0.005199	±2.5	PASS
GPRS1900	810	NV	40	-9.85	-0.005158	±2.5	PASS
GPRS1900	810	NV	50	-10.84	-0.005676	±2.5	PASS

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