Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	Up Slot Num	Power(dBm)	Gain(dBi)	E(I)RP (dBm)	Limit(dBm)	Verdict
GPRS1900	512	1	28.92	1.59	30.51	33	PASS
GPRS1900	661	1	28.99	1.59	30.58	33	PASS
GPRS1900	810	1	28.97	1.59	30.56	33	PASS
GPRS1900	512	2	28.07	1.59	29.66	33	PASS
GPRS1900	661	2	27.98	1.59	29.57	33	PASS
GPRS1900	810	2	27.93	1.59	29.52	33	PASS
GPRS1900	512	3	26.89	1.59	28.48	33	PASS
GPRS1900	661	3	26.84	1.59	28.43	33	PASS
GPRS1900	810	3	26.80	1.59	28.39	33	PASS
GPRS1900	512	4	25.55	1.59	27.14	33	PASS
GPRS1900	661	4	25.53	1.59	27.12	33	PASS
GPRS1900	810	4	25.50	1.59	27.09	33	PASS

Band	Channel	Up Slot Num	Power(dBm)	Gain(dBi)	E(I)RP (dBm)	Limit(dBm)	Verdict
EGPRS1900	512	1	25.28	1.59	26.87	33	PASS
EGPRS1900	661	1	25.31	1.59	26.9	33	PASS
EGPRS1900	810	1	25.21	1.59	26.8	33	PASS
EGPRS1900	512	2	24.02	1.59	25.61	33	PASS
EGPRS1900	661	2	23.92	1.59	25.51	33	PASS
EGPRS1900	810	2	23.74	1.59	25.33	33	PASS
EGPRS1900	512	3	22.07	1.59	23.66	33	PASS
EGPRS1900	661	3	22.02	1.59	23.61	33	PASS
EGPRS1900	810	3	21.85	1.59	23.44	33	PASS
EGPRS1900	512	4	20.86	1.59	22.45	33	PASS
EGPRS1900	661	4	20.84	1.59	22.43	33	PASS
EGPRS1900	810	4	20.63	1.59	22.22	33	PASS

Peak-to-Average Ratio(CCDF)

Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GPRS1900	512	9.73	13	PASS
GPRS1900	661	9.73	13	PASS
GPRS1900	810	9.82	13	PASS
EGPRS1900	512	12.69	13	PASS
EGPRS1900	661	12.63	13	PASS
EGPRS1900	810	12.72	13	PASS

Test Graphs

GPRS1900-512-0-PASS

GPRS1900-661-0-PASS

GPRS1900-810-0-PASS

EGPRS1900-512-2-PASS

EGPRS1900-661-2-PASS

EGPRS1900-810-2-PASS

26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
GPRS1900	512	0.24364	0.3141	PASS
GPRS1900	661	0.24717	0.3086	PASS
GPRS1900	810	0.24376	0.3096	PASS
EGPRS1900	512	0.24495	0.3044	PASS
EGPRS1900	661	0.24547	0.3112	PASS
EGPRS1900	810	0.24705	0.2906	PASS

Test Graphs

GPRS1900-512-0-PASS

GPRS1900-661-0-PASS

GPRS1900-810-0-PASS

EGPRS1900-512-2-PASS

EGPRS1900-661-2-PASS

EGPRS1900-810-2-PASS

Band Edge

Test Graphs

GPRS1900-512-0-PASS

GPRS1900-810-0-PASS

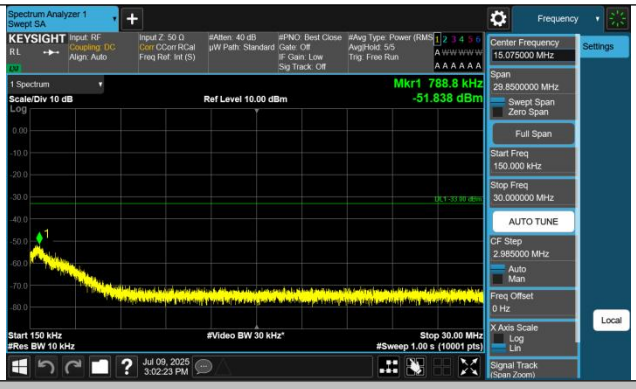
EGPRS1900-512-2-PASS

EGPRS1900-810-2-PASS

Conducted Spurious Emission

Test Graphs

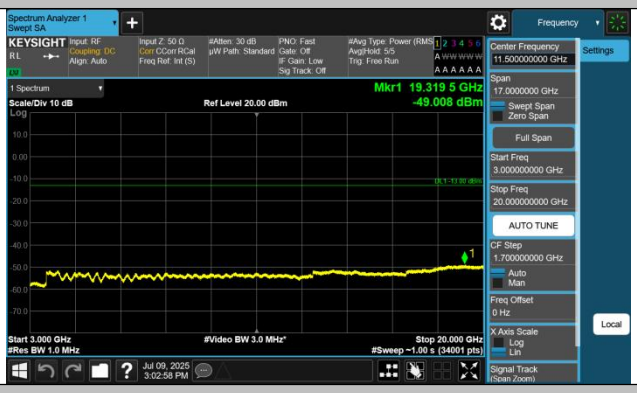
GPRS1900-512-0-0.009~0.15MHz-PASS



GPRS1900-512-0-0.15~30MHz-PASS

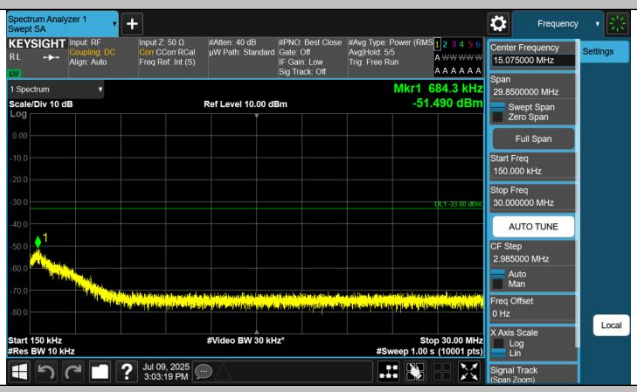
GPRS1900-512-0-30~1000MHz-PASS

GPRS1900-512-0-1000~3000MHz-PASS



GPRS1900-512-0-3000~20000MHz-PASS

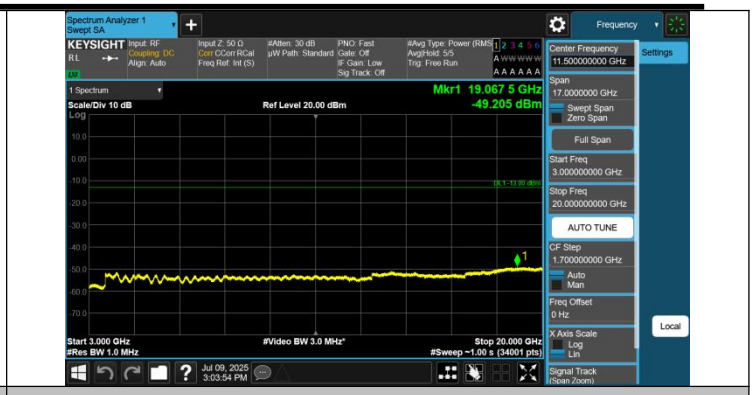
GPRS1900-661-0-0.009~0.15MHz-PASS



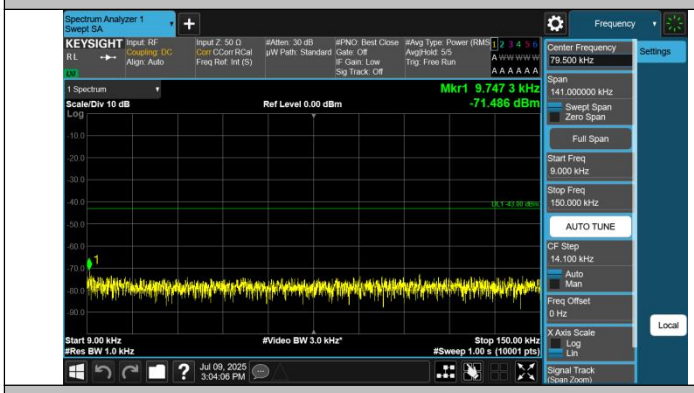
GPRS1900-661-0-0.15~30MHz-PASS

GPRS1900-661-0-30~1000MHz-PASS

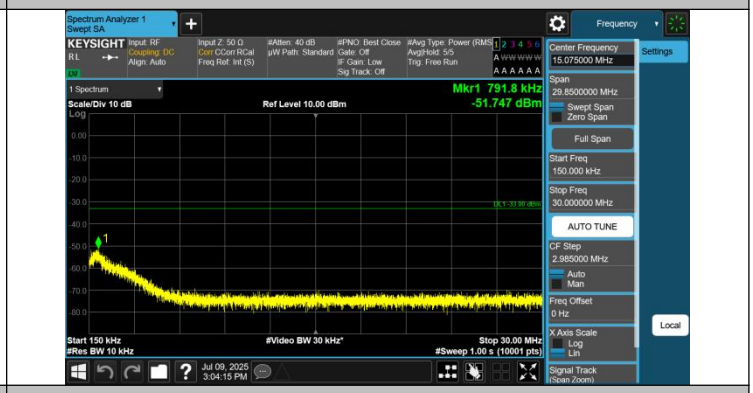
GPRS1900-661-0-1000~3000MHz-PASS



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



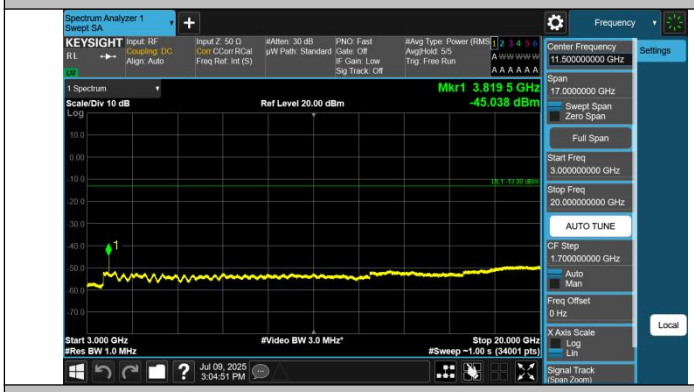
GPRS1900-810-0-0.009~0.15MHz-PASS



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

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

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

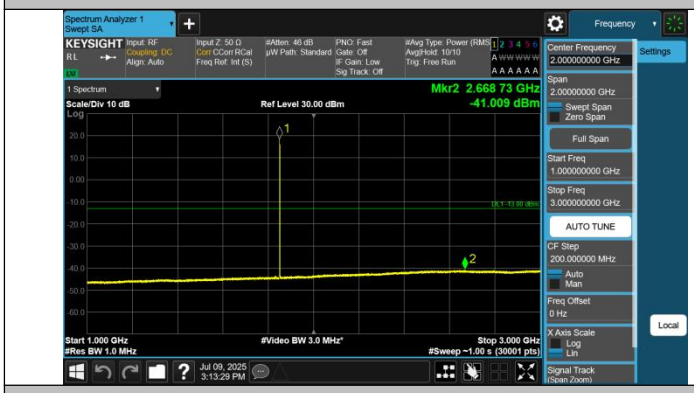


GPRS1900-810-0-3000~20000MHz-PASS

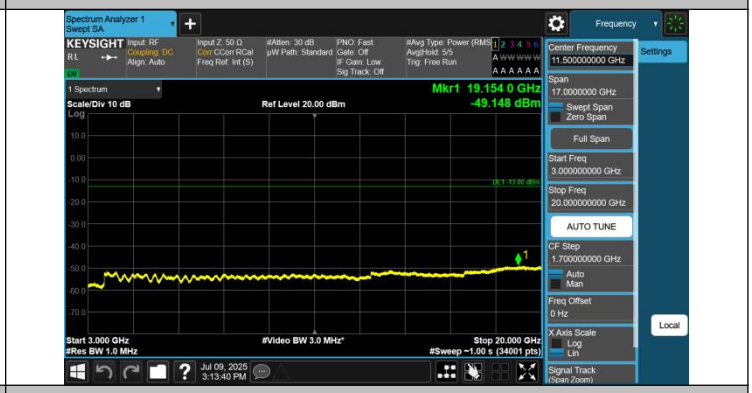
EGPRS1900-512-2-0.009~0.15MHz-PASS

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

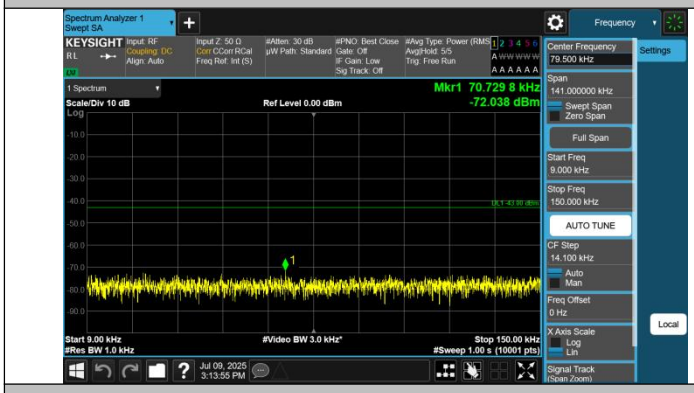
EGPRS1900-512-2-30~1000MHz-PASS



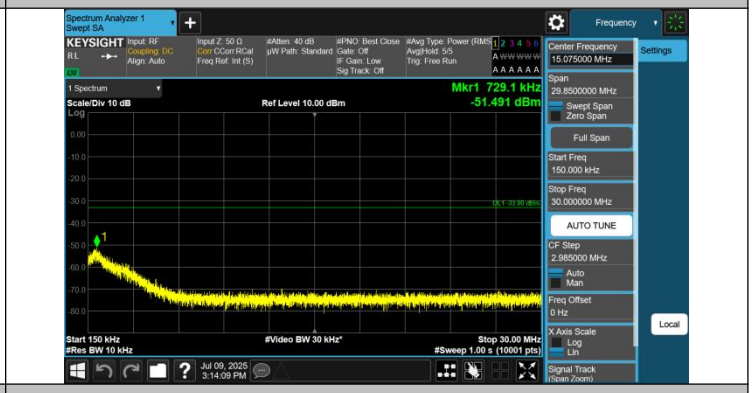
EGPRS1900-512-2-1000~3000MHz-PASS



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



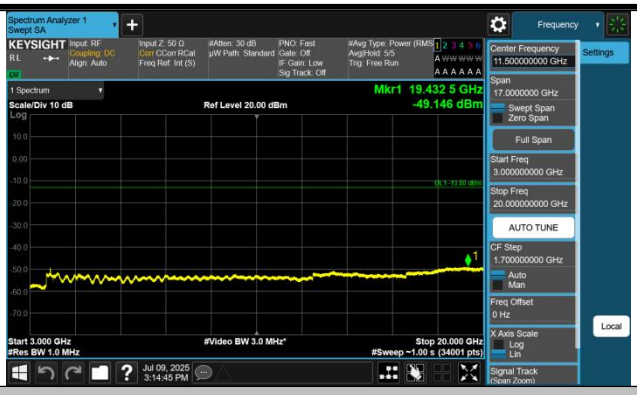
EGPRS1900-661-2-0.009~0.15MHz-PASS



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

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

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



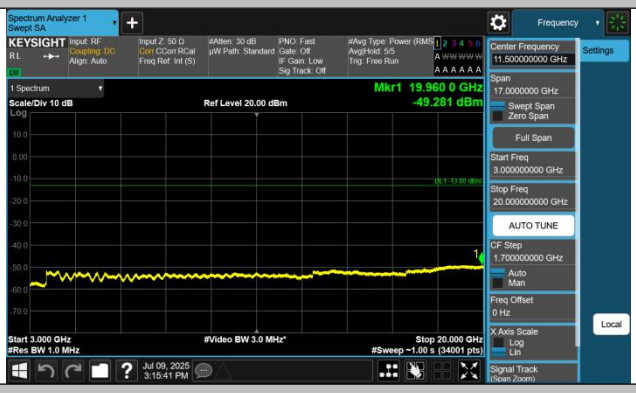
EGPRS1900-661-2-3000~20000MHz-PASS

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 (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GPRS1900	512	VN	NT	36.24	0.019587	±2.5	PASS
GPRS1900	512	VL	NT	26.35	0.014242	±2.5	PASS
GPRS1900	512	VH	NT	29.60	0.015998	±2.5	PASS
GPRS1900	661	VN	NT	21.89	0.011644	±2.5	PASS
GPRS1900	661	VL	NT	14.95	0.007952	±2.5	PASS
GPRS1900	661	VH	NT	4.31	0.002293	±2.5	PASS
GPRS1900	810	VN	NT	13.21	0.006917	±2.5	PASS
GPRS1900	810	VL	NT	23.33	0.012216	±2.5	PASS
GPRS1900	810	VH	NT	14.07	0.007367	±2.5	PASS
EGPRS1900	512	VN	NT	28.88	0.015609	±2.5	PASS
EGPRS1900	512	VL	NT	27.12	0.014658	±2.5	PASS
EGPRS1900	512	VH	NT	23.69	0.012804	±2.5	PASS
EGPRS1900	661	VN	NT	28.83	0.015335	±2.5	PASS
EGPRS1900	661	VL	NT	12.98	0.006904	±2.5	PASS
EGPRS1900	661	VH	NT	20.13	0.010707	±2.5	PASS
EGPRS1900	810	VN	NT	17.66	0.009247	±2.5	PASS
EGPRS1900	810	VL	NT	19.41	0.010163	±2.5	PASS
EGPRS1900	810	VH	NT	25.38	0.013289	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GPRS1900	512	NV	-30	20.79	0.011237	±2.5	PASS
GPRS1900	512	NV	-20	27.83	0.015042	±2.5	PASS
GPRS1900	512	NV	-10	29.58	0.015987	±2.5	PASS
GPRS1900	512	NV	0	21.97	0.011874	±2.5	PASS
GPRS1900	512	NV	10	20.10	0.010864	±2.5	PASS
GPRS1900	512	NV	20	31.83	0.017204	±2.5	PASS
GPRS1900	512	NV	30	27.81	0.015031	±2.5	PASS
GPRS1900	512	NV	40	34.34	0.018560	±2.5	PASS
GPRS1900	512	NV	50	29.74	0.016074	±2.5	PASS
GPRS1900	661	NV	-30	20.53	0.010920	±2.5	PASS
GPRS1900	661	NV	-20	14.54	0.007734	±2.5	PASS
GPRS1900	661	NV	-10	20.23	0.010761	±2.5	PASS
GPRS1900	661	NV	0	13.04	0.006936	±2.5	PASS
GPRS1900	661	NV	10	8.98	0.004777	±2.5	PASS

GPRS1900	661	NV	20	19.65	0.010452	±2.5	PASS
GPRS1900	661	NV	30	3.55	0.001888	±2.5	PASS
GPRS1900	661	NV	40	8.76	0.004660	±2.5	PASS
GPRS1900	661	NV	50	17.34	0.009223	±2.5	PASS
GPRS1900	810	NV	-30	14.64	0.007666	±2.5	PASS
GPRS1900	810	NV	-20	25.45	0.013326	±2.5	PASS
GPRS1900	810	NV	-10	23.14	0.012116	±2.5	PASS
GPRS1900	810	NV	0	13.29	0.006959	±2.5	PASS
GPRS1900	810	NV	10	19.75	0.010341	±2.5	PASS
GPRS1900	810	NV	20	15.38	0.008053	±2.5	PASS
GPRS1900	810	NV	30	14.97	0.007839	±2.5	PASS
GPRS1900	810	NV	40	28.50	0.014923	±2.5	PASS
GPRS1900	810	NV	50	23.39	0.012247	±2.5	PASS
EGPRS1900	512	NV	-30	20.85	0.011269	±2.5	PASS
EGPRS1900	512	NV	-20	15.16	0.008194	±2.5	PASS
EGPRS1900	512	NV	-10	16.64	0.008994	±2.5	PASS
EGPRS1900	512	NV	0	20.13	0.010880	±2.5	PASS
EGPRS1900	512	NV	10	27.57	0.014901	±2.5	PASS
EGPRS1900	512	NV	20	12.29	0.006643	±2.5	PASS
EGPRS1900	512	NV	30	20.06	0.010842	±2.5	PASS
EGPRS1900	512	NV	40	15.97	0.008631	±2.5	PASS
EGPRS1900	512	NV	50	20.01	0.010815	±2.5	PASS
EGPRS1900	661	NV	-30	17.35	0.009229	±2.5	PASS
EGPRS1900	661	NV	-20	16.27	0.008654	±2.5	PASS
EGPRS1900	661	NV	-10	23.96	0.012745	±2.5	PASS
EGPRS1900	661	NV	0	31.58	0.016798	±2.5	PASS
EGPRS1900	661	NV	10	18.84	0.010021	±2.5	PASS
EGPRS1900	661	NV	20	14.72	0.007830	±2.5	PASS
EGPRS1900	661	NV	30	20.28	0.010787	±2.5	PASS
EGPRS1900	661	NV	40	31.88	0.016957	±2.5	PASS
EGPRS1900	661	NV	50	19.09	0.010154	±2.5	PASS
EGPRS1900	810	NV	-30	11.35	0.005943	±2.5	PASS
EGPRS1900	810	NV	-20	8.06	0.004220	±2.5	PASS
EGPRS1900	810	NV	-10	11.81	0.006184	±2.5	PASS
EGPRS1900	810	NV	0	24.04	0.012588	±2.5	PASS
EGPRS1900	810	NV	10	15.51	0.008121	±2.5	PASS
EGPRS1900	810	NV	20	18.66	0.009771	±2.5	PASS
EGPRS1900	810	NV	30	11.55	0.006048	±2.5	PASS
EGPRS1900	810	NV	40	18.32	0.009593	±2.5	PASS
EGPRS1900	810	NV	50	17.13	0.008970	±2.5	PASS

-------- THE END --------