

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	Power (dBm)	Gain(dBi)	E(I)RP (dBm)	Limit(dBm)	Verdict
GSM1900	512	30	1.8	31.8	33	PASS
GSM1900	661	29.93	1.8	31.73	33	PASS
GSM1900	810	30.02	1.8	31.82	33	PASS

Band	Channel	Up Slot Num	Power(dBm)	Gain(dBi)	E(I)RP (dBm)	Limit(dBm)	Verdict
GPRS1900	512	1	29.99	1.8	31.79	33	PASS
GPRS1900	661	1	29.8	1.8	31.6	33	PASS
GPRS1900	810	1	29.92	1.8	31.72	33	PASS
GPRS1900	512	2	28.64	1.8	30.44	33	PASS
GPRS1900	661	2	28.43	1.8	30.23	33	PASS
GPRS1900	810	2	28.59	1.8	30.39	33	PASS
GPRS1900	512	3	26.06	1.8	27.86	33	PASS
GPRS1900	661	3	25.95	1.8	27.75	33	PASS
GPRS1900	810	3	25.86	1.8	27.66	33	PASS
GPRS1900	512	4	25.44	1.8	27.24	33	PASS
GPRS1900	661	4	24.92	1.8	26.72	33	PASS
GPRS1900	810	4	25.33	1.8	27.13	33	PASS

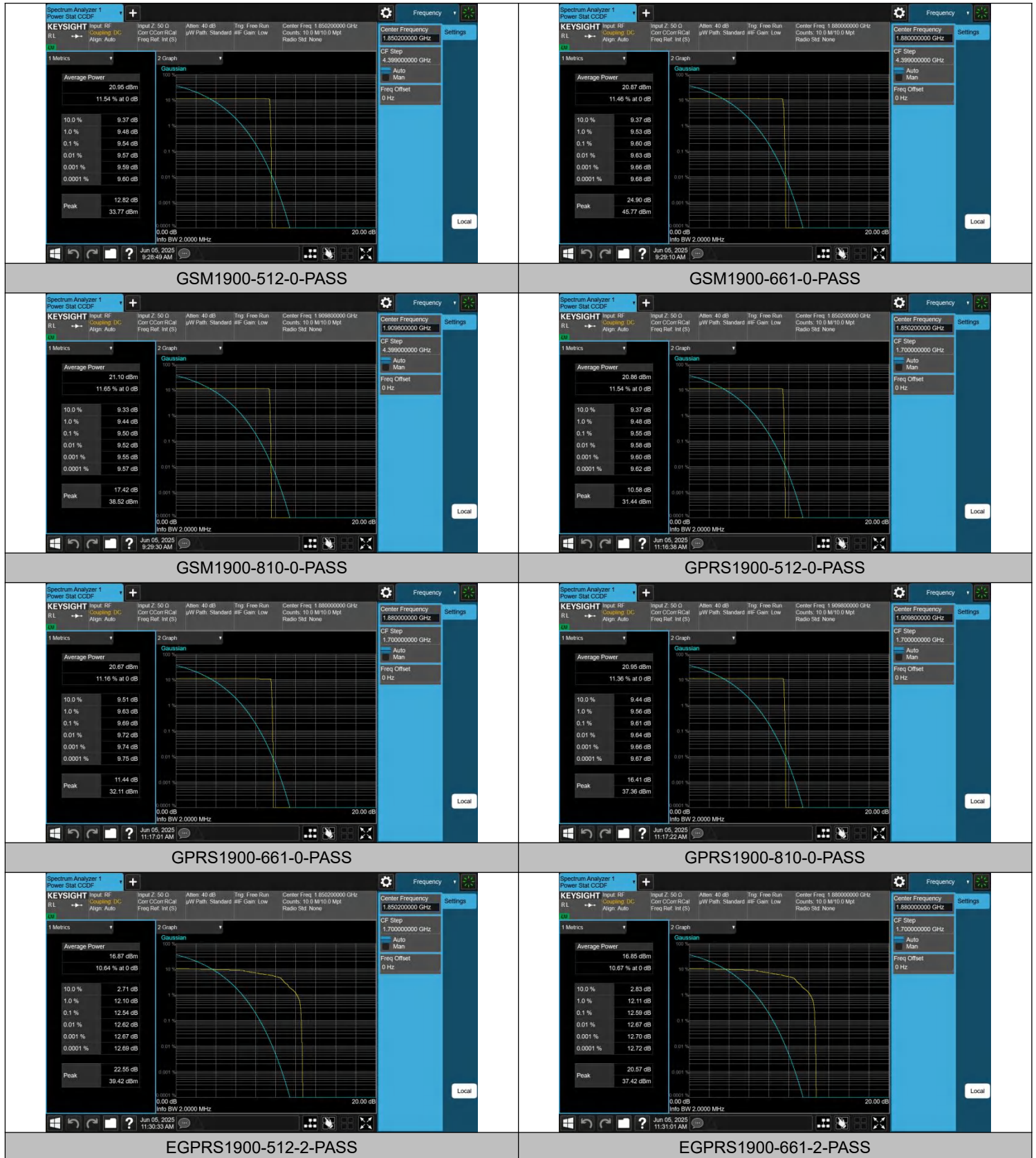
Band	Channel	Up Slot Num	Power(dBm)	Gain(dBi)	E(I)RP (dBm)	Limit(dBm)	Verdict
EGPRS1900	512	1	25.98	1.8	27.78	33	PASS
EGPRS1900	661	1	25.84	1.8	27.64	33	PASS
EGPRS1900	810	1	25.81	1.8	27.61	33	PASS
EGPRS1900	512	2	25.82	1.8	27.62	33	PASS
EGPRS1900	661	2	25.64	1.8	27.44	33	PASS
EGPRS1900	810	2	25.68	1.8	27.48	33	PASS
EGPRS1900	512	3	23.72	1.8	25.52	33	PASS
EGPRS1900	661	3	23.55	1.8	25.35	33	PASS
EGPRS1900	810	3	23.62	1.8	25.42	33	PASS
EGPRS1900	512	4	22.58	1.8	24.38	33	PASS
EGPRS1900	661	4	22.39	1.8	24.19	33	PASS
EGPRS1900	810	4	22.46	1.8	24.26	33	PASS

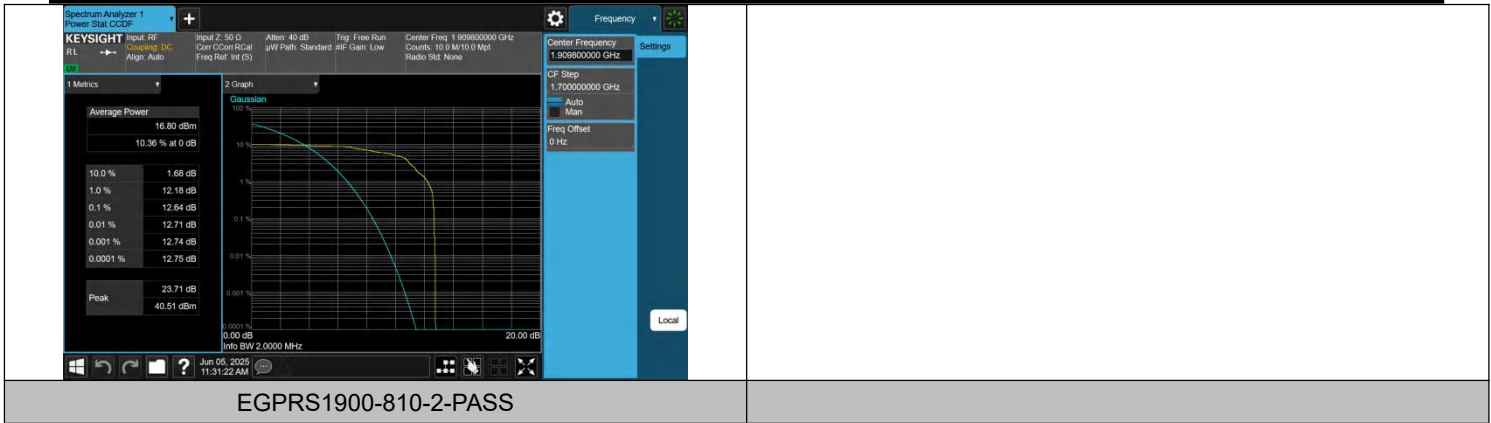
Peak-to-Average Ratio(CCDF)

Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM1900	512	9.54	13	PASS
GSM1900	661	9.60	13	PASS
GSM1900	810	9.50	13	PASS
GPRS1900	512	9.55	13	PASS
GPRS1900	661	9.69	13	PASS
GPRS1900	810	9.61	13	PASS
EGPRS1900	512	12.54	13	PASS
EGPRS1900	661	12.59	13	PASS
EGPRS1900	810	12.64	13	PASS

Test Graphs



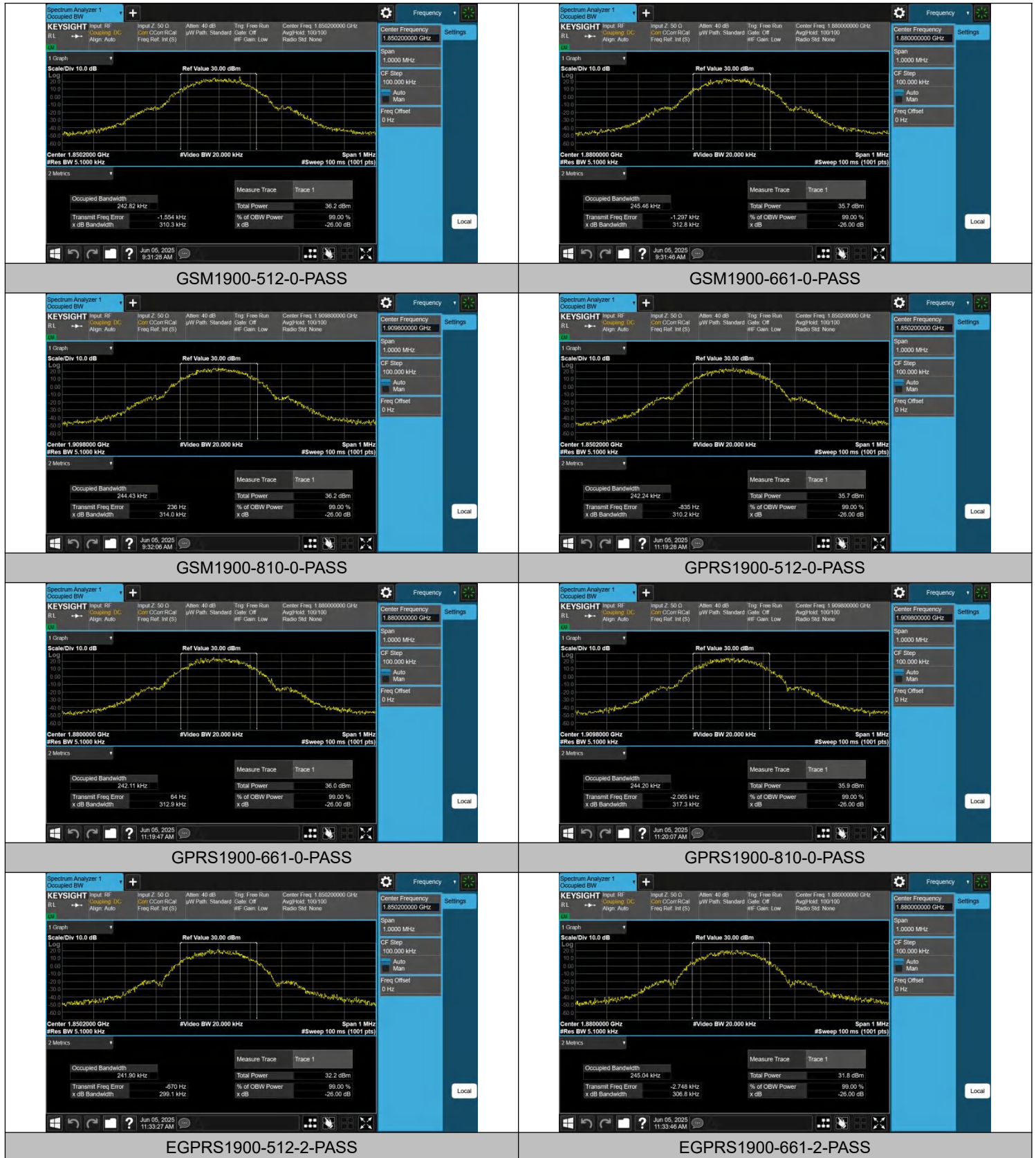


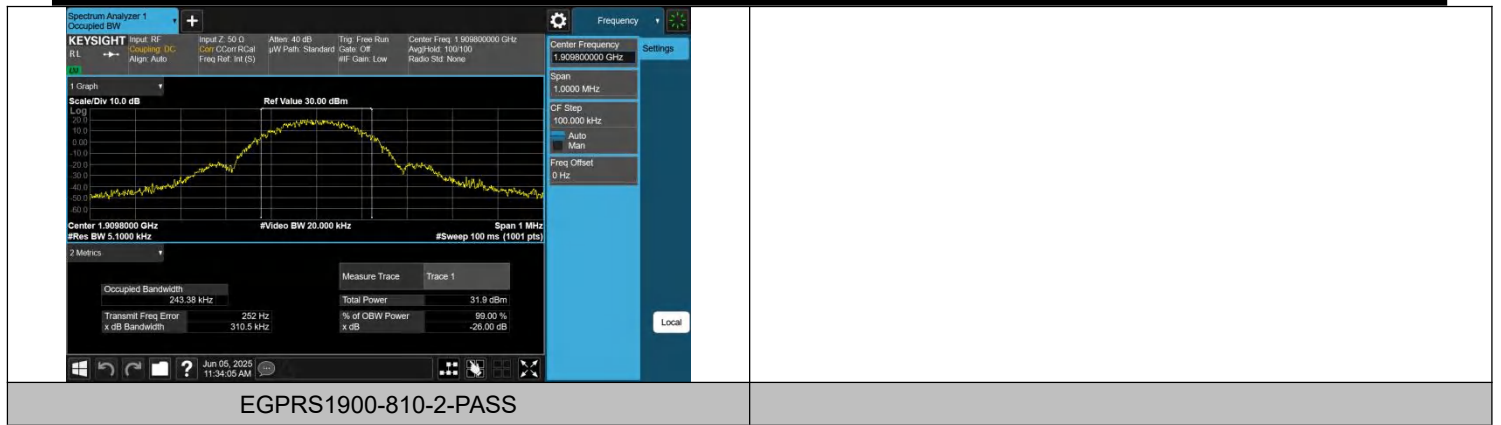
26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
GSM1900	512	0.24282	0.3103	PASS
GSM1900	661	0.24546	0.3128	PASS
GSM1900	810	0.24443	0.3140	PASS
GPRS1900	512	0.24224	0.3102	PASS
GPRS1900	661	0.24211	0.3129	PASS
GPRS1900	810	0.24420	0.3173	PASS
EGPRS1900	512	0.24190	0.2991	PASS
EGPRS1900	661	0.24504	0.3068	PASS
EGPRS1900	810	0.24338	0.3105	PASS

Test Graphs





Band Edge

Test Graphs



GSM1900-512-0-PASS



GSM1900-810-0-PASS



GPRS1900-512-0-PASS



GPRS1900-810-0-PASS



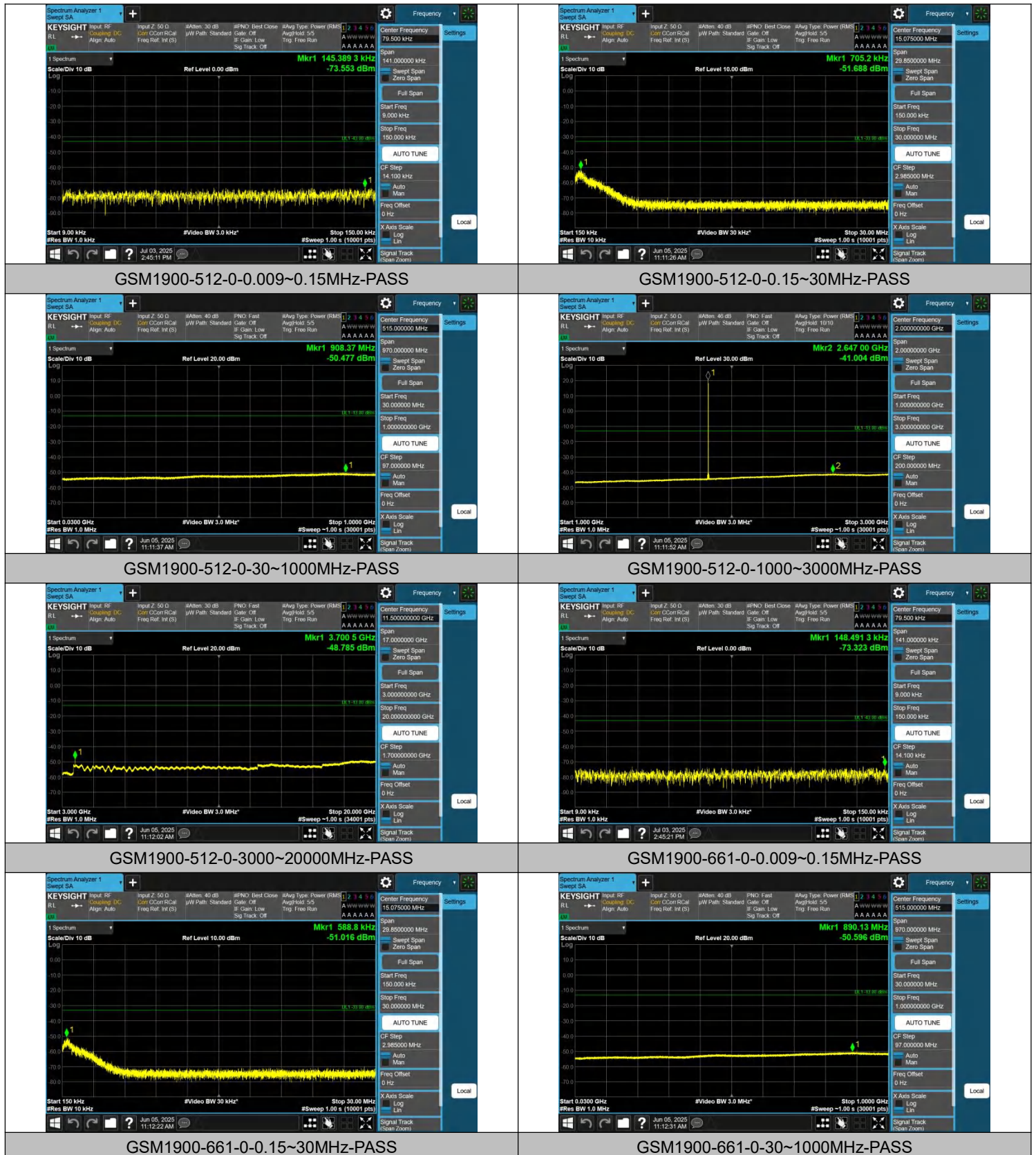
EGPRS1900-512-2-PASS



EGPRS1900-810-2-PASS

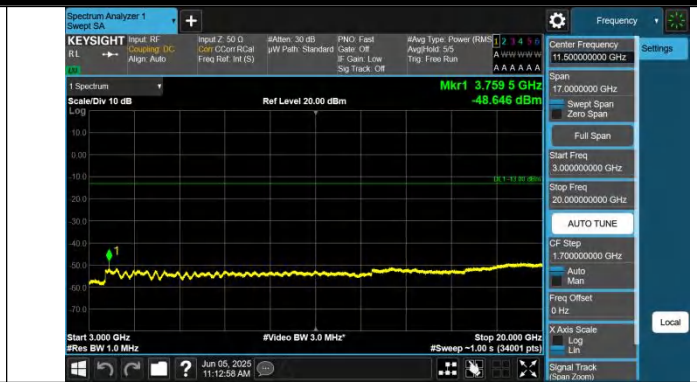
Conducted Spurious Emission

Test Graphs

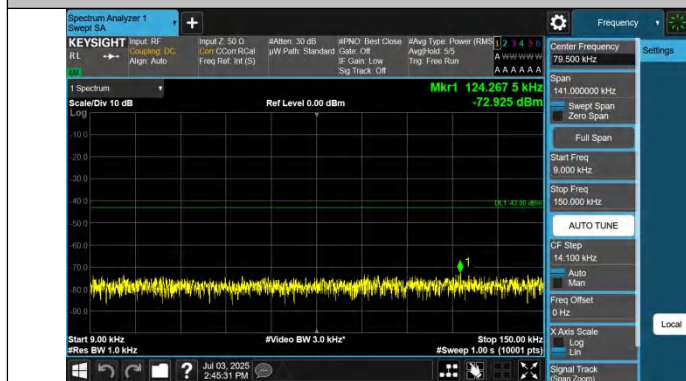




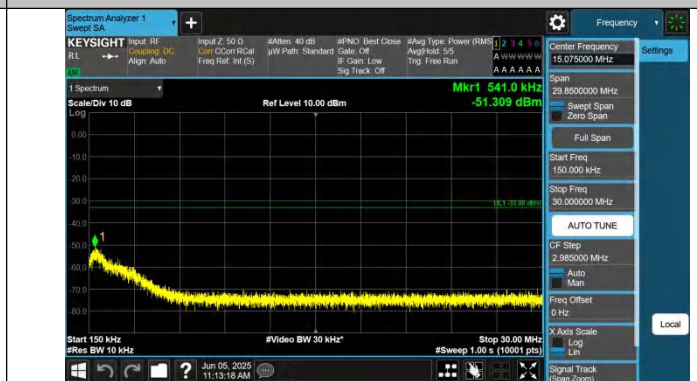
GSM1900-661-0-1000~3000MHz-PASS



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



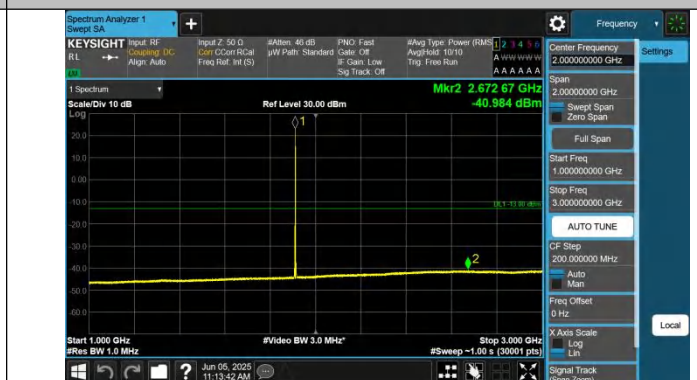
GSM1900-810-0-0.009~0.15MHz-PASS



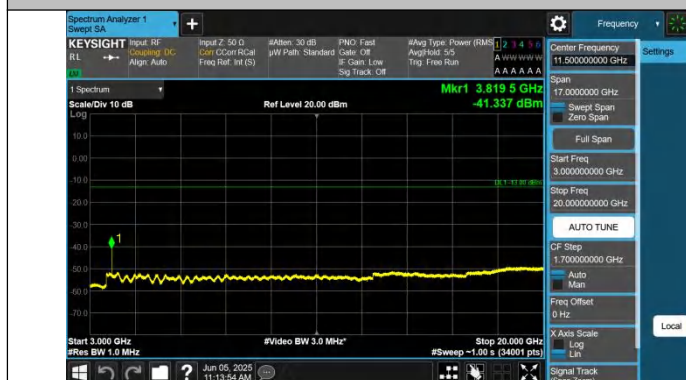
GSM1900-810-0-0.15~30MHz-PASS



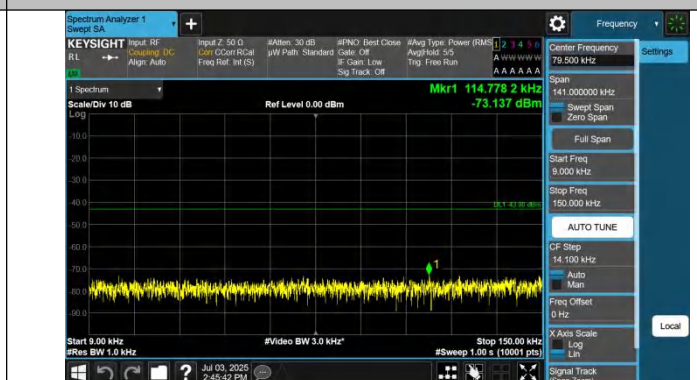
GSM1900-810-0-30~1000MHz-PASS



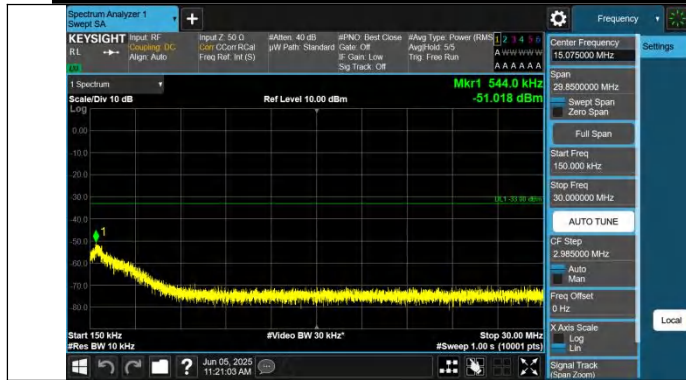
GSM1900-810-0-1000~3000MHz-PASS



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



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



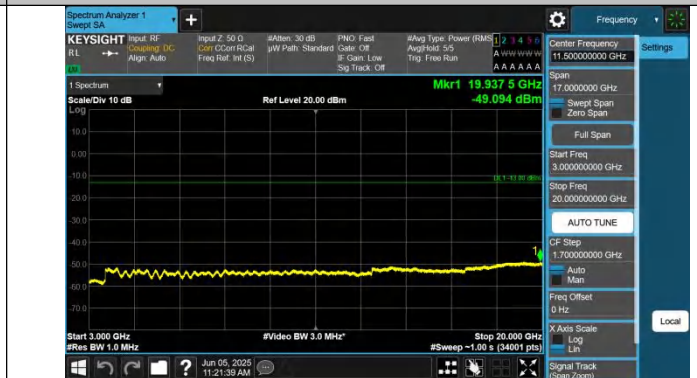
GPRS1900-512-0-0.15~30MHz-PASS



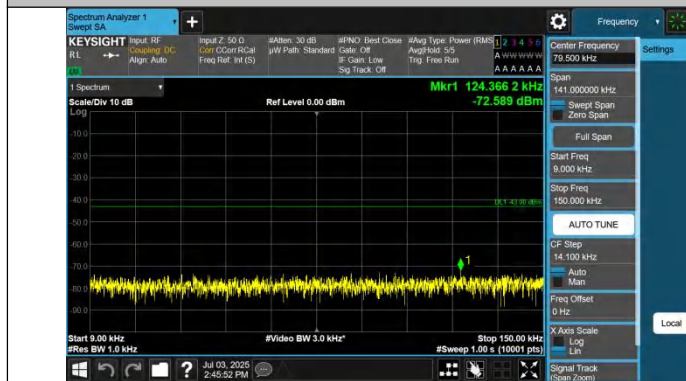
GPRS1900-512-0-30~1000MHz-PASS



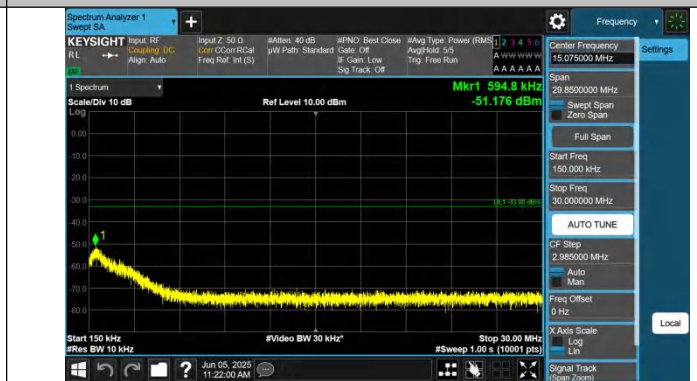
GPRS1900-512-0-1000~3000MHz-PASS



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



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



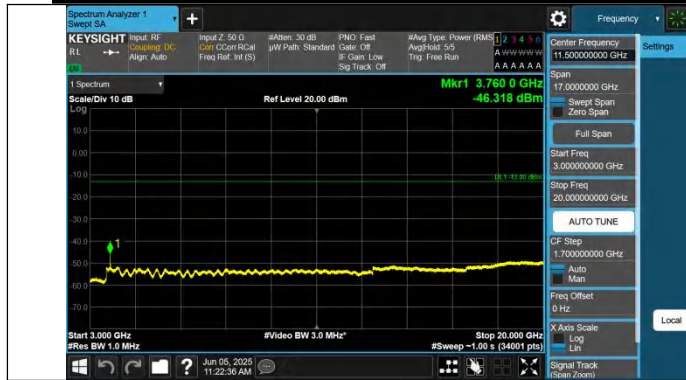
GPRS1900-661-0-0.15~30MHz-PASS



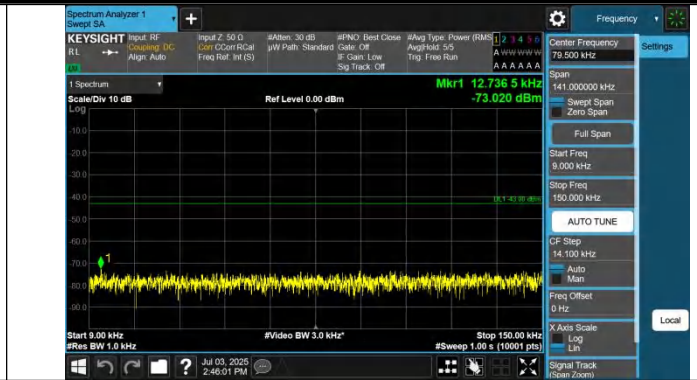
GPRS1900-661-0-30~1000MHz-PASS



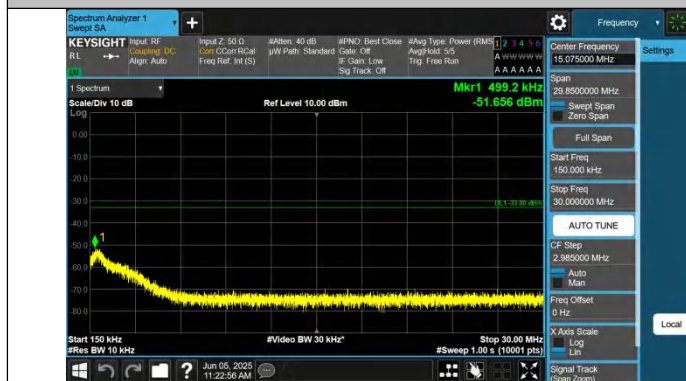
GPRS1900-661-0-1000~3000MHz-PASS



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



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



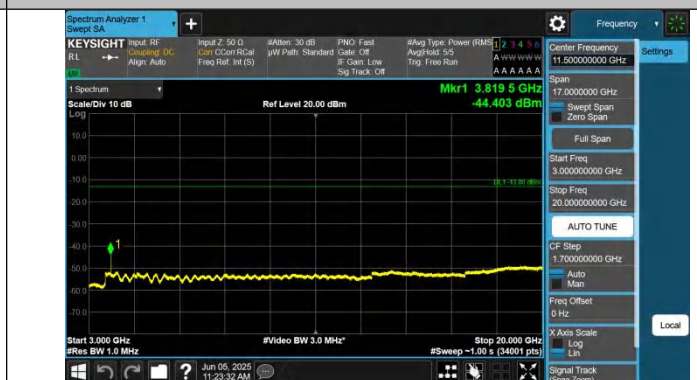
GPRS1900-810-0-0.15~30MHz-PASS



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



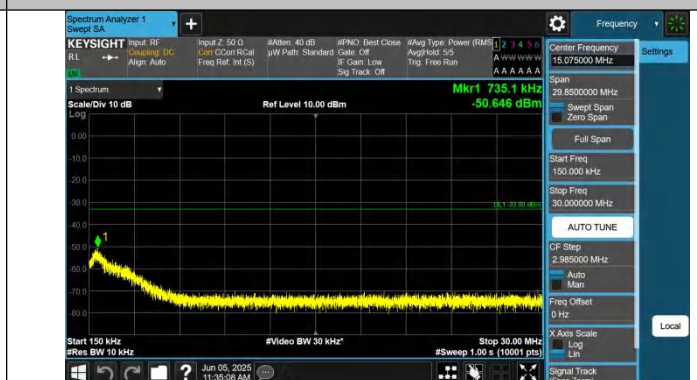
GPRS1900-810-0-1000~3000MHz-PASS



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



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



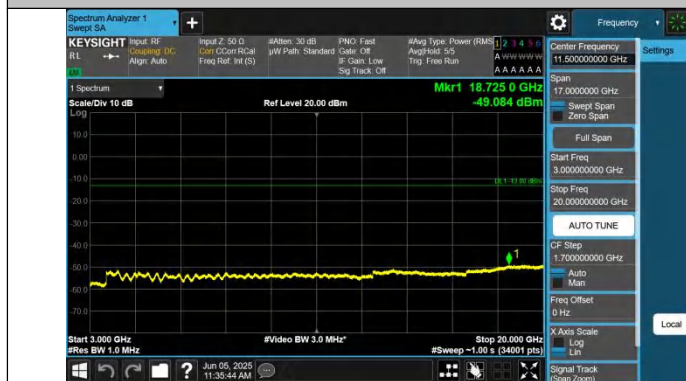
EGPRS1900-512-2-0.15~30MHz-PASS



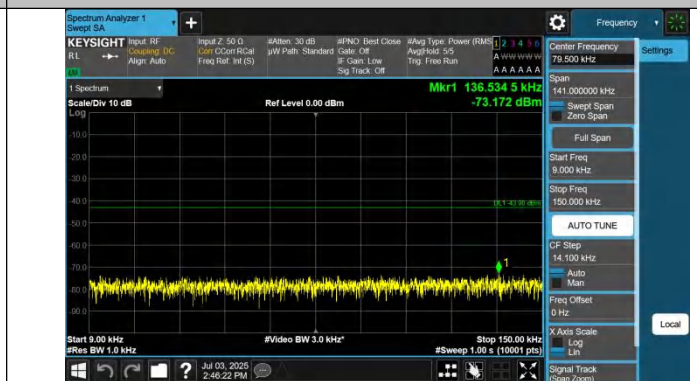
EGPRS1900-512-2-30~1000MHz-PASS



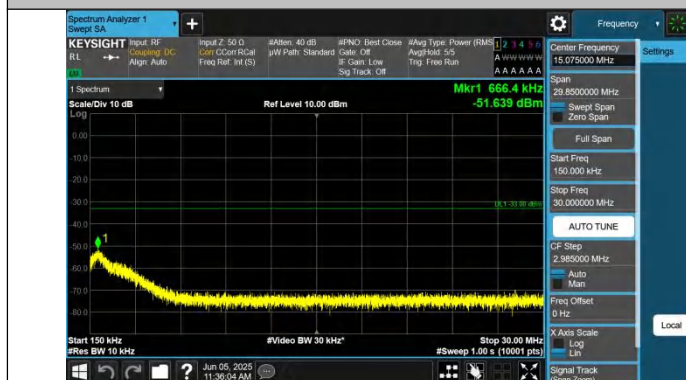
EGPRS1900-512-2-1000~3000MHz-PASS



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



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



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



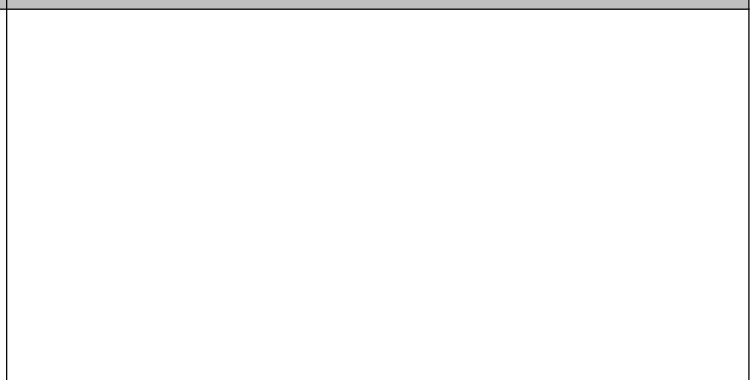
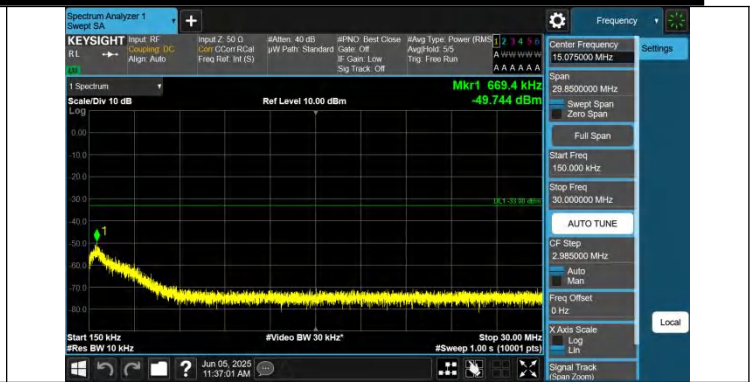
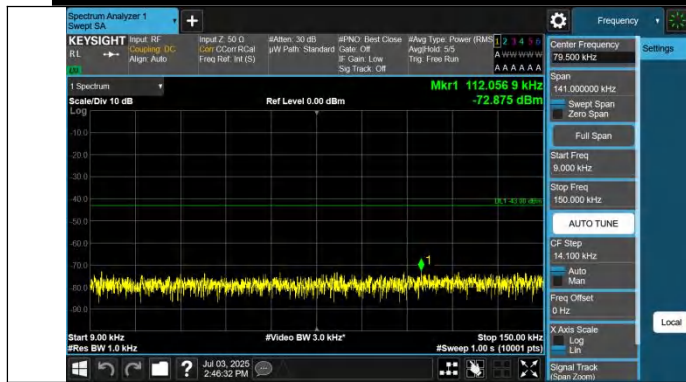
EGPRS1900-661-2-30~1000MHz-PASS



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



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



Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM1900	512	VN	NT	2.86	0.001546	±2.5	PASS
GSM1900	512	VL	NT	3.28	0.001773	±2.5	PASS
GSM1900	512	VH	NT	2.51	0.001357	±2.5	PASS
GSM1900	661	VN	NT	6.68	0.003553	±2.5	PASS
GSM1900	661	VL	NT	6.48	0.003447	±2.5	PASS
GSM1900	661	VH	NT	5.29	0.002814	±2.5	PASS
GSM1900	810	VN	NT	4.94	0.002587	±2.5	PASS
GSM1900	810	VL	NT	5.21	0.002728	±2.5	PASS
GSM1900	810	VH	NT	6.77	0.003545	±2.5	PASS
GPRS1900	512	VN	NT	20.66	0.011166	±2.5	PASS
GPRS1900	512	VL	NT	20.95	0.011323	±2.5	PASS
GPRS1900	512	VH	NT	20.62	0.011145	±2.5	PASS
GPRS1900	661	VN	NT	20.52	0.010915	±2.5	PASS
GPRS1900	661	VL	NT	20.42	0.010862	±2.5	PASS
GPRS1900	661	VH	NT	22.84	0.012149	±2.5	PASS
GPRS1900	810	VN	NT	19.29	0.010101	±2.5	PASS
GPRS1900	810	VL	NT	19.48	0.010200	±2.5	PASS
GPRS1900	810	VH	NT	22.58	0.011823	±2.5	PASS
EGPRS1900	512	VN	NT	18.54	0.010021	±2.5	PASS
EGPRS1900	512	VL	NT	18.15	0.009810	±2.5	PASS
EGPRS1900	512	VH	NT	15.35	0.008296	±2.5	PASS
EGPRS1900	661	VN	NT	22.12	0.011766	±2.5	PASS
EGPRS1900	661	VL	NT	20.54	0.010926	±2.5	PASS
EGPRS1900	661	VH	NT	21.21	0.011282	±2.5	PASS
EGPRS1900	810	VN	NT	21.36	0.011184	±2.5	PASS
EGPRS1900	810	VL	NT	17.34	0.009079	±2.5	PASS
EGPRS1900	810	VH	NT	17.58	0.009205	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM1900	512	NV	-30	4.02	0.002173	±2.5	PASS
GSM1900	512	NV	-20	6.53	0.003529	±2.5	PASS
GSM1900	512	NV	-10	5.74	0.003102	±2.5	PASS
GSM1900	512	NV	0	4.99	0.002697	±2.5	PASS
GSM1900	512	NV	10	4.14	0.002238	±2.5	PASS

GSM1900	512	NV	20	3.34	0.001805	±2.5	PASS
GSM1900	512	NV	30	6.97	0.003767	±2.5	PASS
GSM1900	512	NV	40	5.58	0.003016	±2.5	PASS
GSM1900	512	NV	50	6.31	0.003410	±2.5	PASS
GSM1900	661	NV	-30	7.35	0.003910	±2.5	PASS
GSM1900	661	NV	-20	6.02	0.003202	±2.5	PASS
GSM1900	661	NV	-10	9.72	0.005170	±2.5	PASS
GSM1900	661	NV	0	6.13	0.003261	±2.5	PASS
GSM1900	661	NV	10	7.70	0.004096	±2.5	PASS
GSM1900	661	NV	20	7.87	0.004186	±2.5	PASS
GSM1900	661	NV	30	9.63	0.005122	±2.5	PASS
GSM1900	661	NV	40	6.13	0.003261	±2.5	PASS
GSM1900	661	NV	50	9.95	0.005293	±2.5	PASS
GSM1900	810	NV	-30	5.21	0.002728	±2.5	PASS
GSM1900	810	NV	-20	5.38	0.002817	±2.5	PASS
GSM1900	810	NV	-10	4.76	0.002492	±2.5	PASS
GSM1900	810	NV	0	4.16	0.002178	±2.5	PASS
GSM1900	810	NV	10	6.18	0.003236	±2.5	PASS
GSM1900	810	NV	20	7.37	0.003859	±2.5	PASS
GSM1900	810	NV	30	8.24	0.004315	±2.5	PASS
GSM1900	810	NV	40	5.88	0.003079	±2.5	PASS
GSM1900	810	NV	50	5.62	0.002943	±2.5	PASS
GPRS1900	512	NV	-30	21.44	0.011588	±2.5	PASS
GPRS1900	512	NV	-20	21.47	0.011604	±2.5	PASS
GPRS1900	512	NV	-10	21.94	0.011858	±2.5	PASS
GPRS1900	512	NV	0	19.18	0.010366	±2.5	PASS
GPRS1900	512	NV	10	21.84	0.011804	±2.5	PASS
GPRS1900	512	NV	20	20.90	0.011296	±2.5	PASS
GPRS1900	512	NV	30	20.94	0.011318	±2.5	PASS
GPRS1900	512	NV	40	22.53	0.012177	±2.5	PASS
GPRS1900	512	NV	50	20.52	0.011091	±2.5	PASS
GPRS1900	661	NV	-30	20.89	0.011112	±2.5	PASS
GPRS1900	661	NV	-20	22.30	0.011862	±2.5	PASS
GPRS1900	661	NV	-10	22.47	0.011952	±2.5	PASS
GPRS1900	661	NV	0	21.22	0.011287	±2.5	PASS
GPRS1900	661	NV	10	22.00	0.011702	±2.5	PASS
GPRS1900	661	NV	20	21.28	0.011319	±2.5	PASS
GPRS1900	661	NV	30	21.78	0.011585	±2.5	PASS
GPRS1900	661	NV	40	21.93	0.011665	±2.5	PASS
GPRS1900	661	NV	50	21.95	0.011676	±2.5	PASS
GPRS1900	810	NV	-30	20.81	0.010896	±2.5	PASS

GPRS1900	810	NV	-20	21.03	0.011012	±2.5	PASS
GPRS1900	810	NV	-10	18.45	0.009661	±2.5	PASS
GPRS1900	810	NV	0	19.48	0.010200	±2.5	PASS
GPRS1900	810	NV	10	21.80	0.011415	±2.5	PASS
GPRS1900	810	NV	20	20.09	0.010519	±2.5	PASS
GPRS1900	810	NV	30	19.43	0.010174	±2.5	PASS
GPRS1900	810	NV	40	21.14	0.011069	±2.5	PASS
GPRS1900	810	NV	50	22.07	0.011556	±2.5	PASS
EGPRS1900	512	NV	-30	16.65	0.008999	±2.5	PASS
EGPRS1900	512	NV	-20	16.87	0.009118	±2.5	PASS
EGPRS1900	512	NV	-10	18.07	0.009767	±2.5	PASS
EGPRS1900	512	NV	0	16.42	0.008875	±2.5	PASS
EGPRS1900	512	NV	10	15.91	0.008599	±2.5	PASS
EGPRS1900	512	NV	20	15.19	0.008210	±2.5	PASS
EGPRS1900	512	NV	30	16.93	0.009150	±2.5	PASS
EGPRS1900	512	NV	40	17.70	0.009567	±2.5	PASS
EGPRS1900	512	NV	50	18.97	0.010253	±2.5	PASS
EGPRS1900	661	NV	-30	20.35	0.010824	±2.5	PASS
EGPRS1900	661	NV	-20	18.20	0.009681	±2.5	PASS
EGPRS1900	661	NV	-10	21.69	0.011537	±2.5	PASS
EGPRS1900	661	NV	0	18.34	0.009755	±2.5	PASS
EGPRS1900	661	NV	10	20.13	0.010707	±2.5	PASS
EGPRS1900	661	NV	20	18.62	0.009904	±2.5	PASS
EGPRS1900	661	NV	30	22.36	0.011894	±2.5	PASS
EGPRS1900	661	NV	40	18.61	0.009899	±2.5	PASS
EGPRS1900	661	NV	50	18.65	0.009920	±2.5	PASS
EGPRS1900	810	NV	-30	17.88	0.009362	±2.5	PASS
EGPRS1900	810	NV	-20	16.21	0.008488	±2.5	PASS
EGPRS1900	810	NV	-10	18.10	0.009477	±2.5	PASS
EGPRS1900	810	NV	0	18.63	0.009755	±2.5	PASS
EGPRS1900	810	NV	10	14.99	0.007849	±2.5	PASS
EGPRS1900	810	NV	20	17.74	0.009289	±2.5	PASS
EGPRS1900	810	NV	30	18.13	0.009493	±2.5	PASS
EGPRS1900	810	NV	40	17.46	0.009142	±2.5	PASS
EGPRS1900	810	NV	50	16.93	0.008865	±2.5	PASS

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