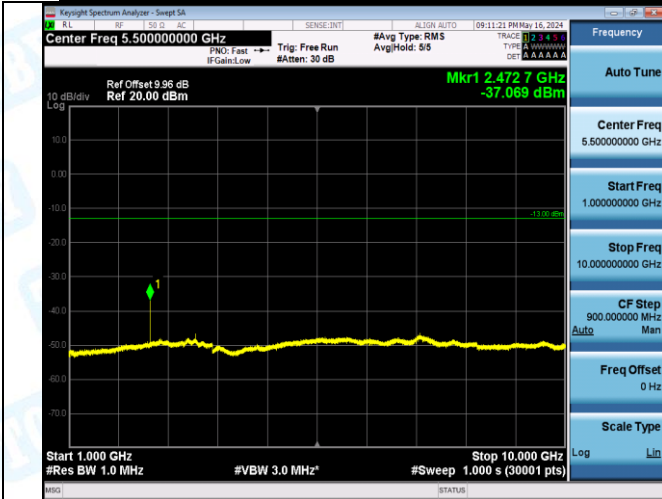
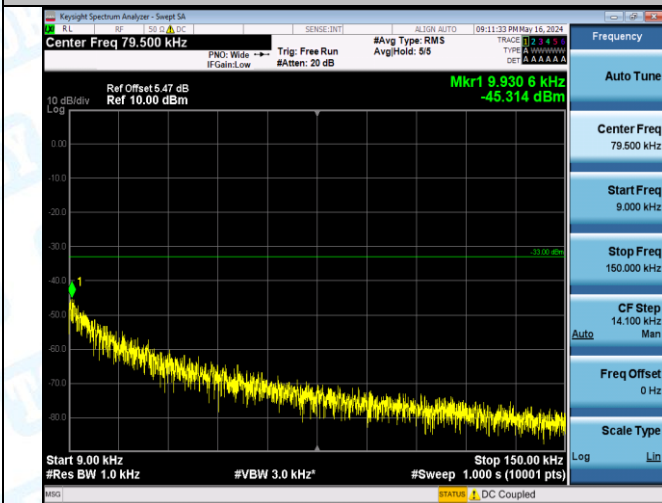




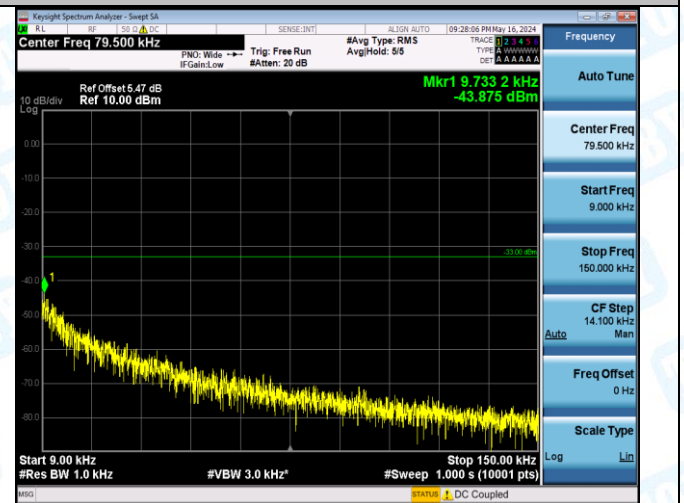
GPRS850-190-5-0.009~0.15MHz-PASS



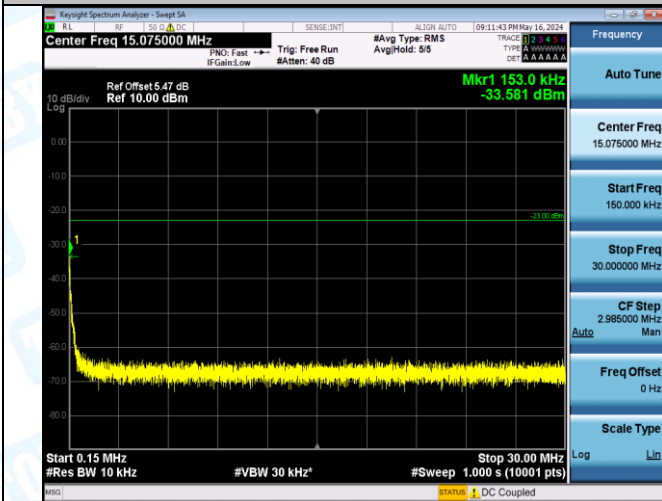
GSM850-190-5-0.009~0.15MHz-PASS



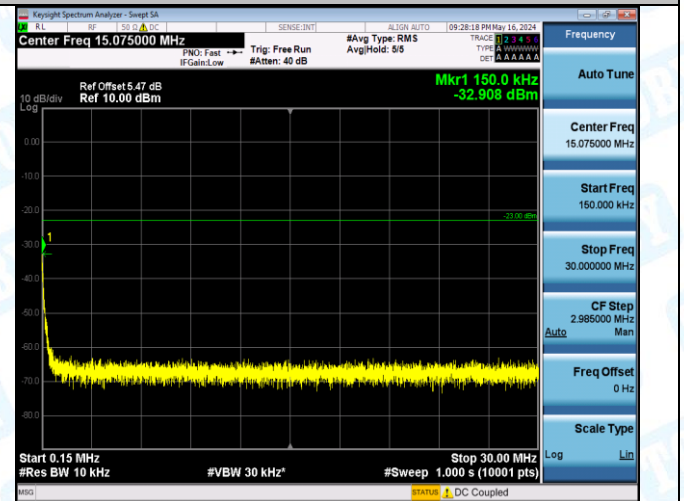
GPRS850-190-5-0.15~30MHz-PASS



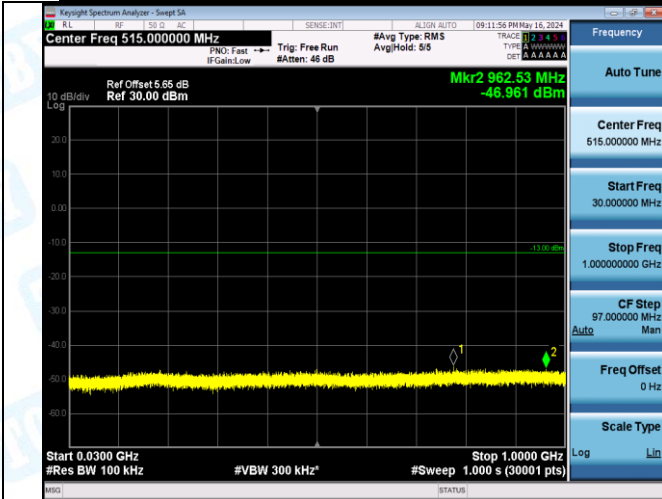
GSM850-190-5-0.15~30MHz-PASS



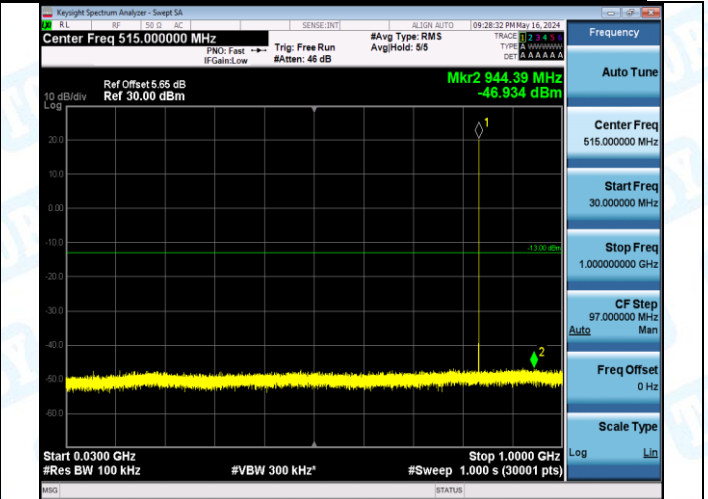
GPRS850-190-5-30~1000MHz-PASS



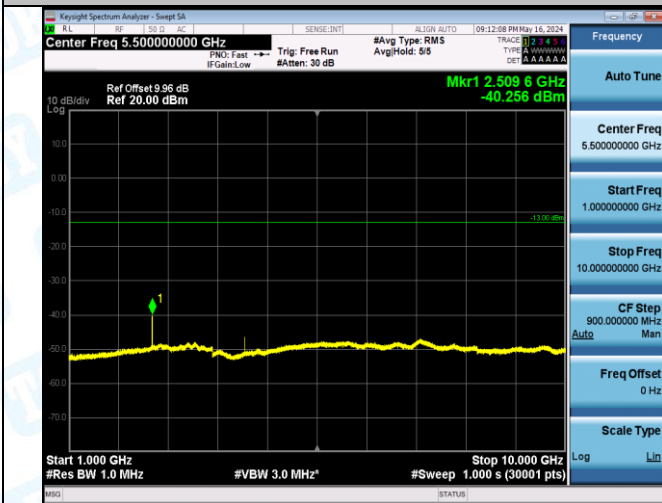
GSM850-190-5-30~1000MHz-PASS



GPRS850-190-5-1000~10000MHz-PASS



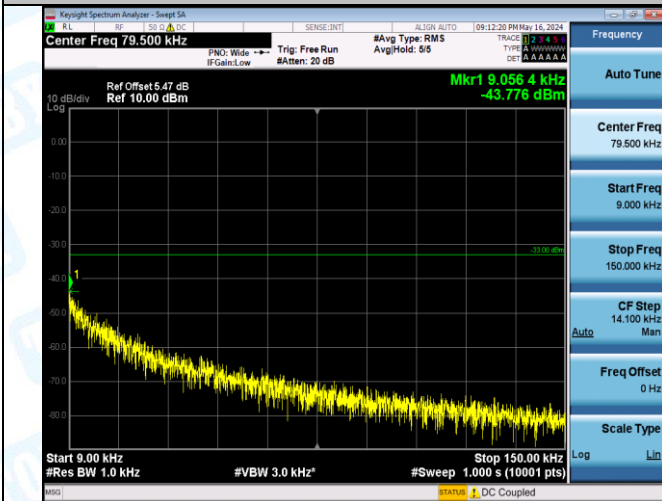
GSM850-190-5-1000~10000MHz-PASS



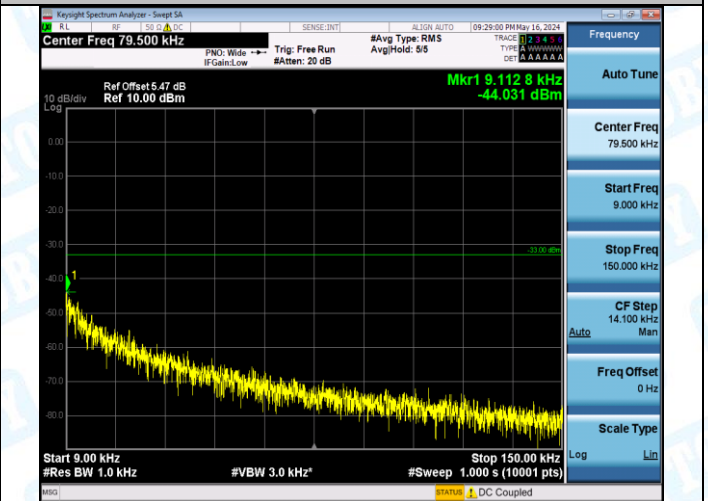
GPRS850-251-5-0.009~0.15MHz-PASS



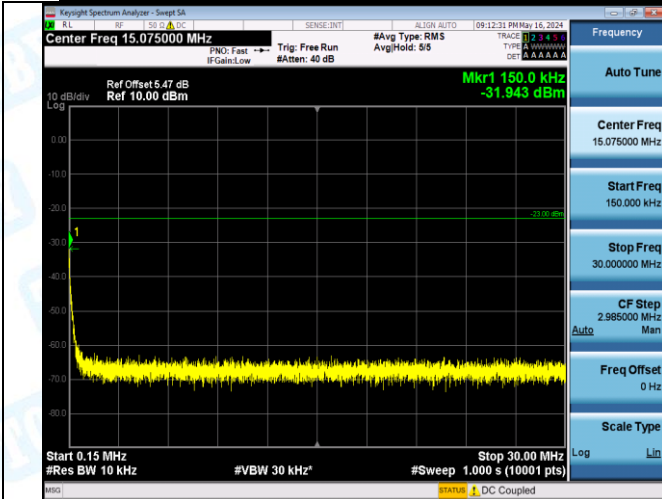
GSM850-251-5-0.009~0.15MHz-PASS



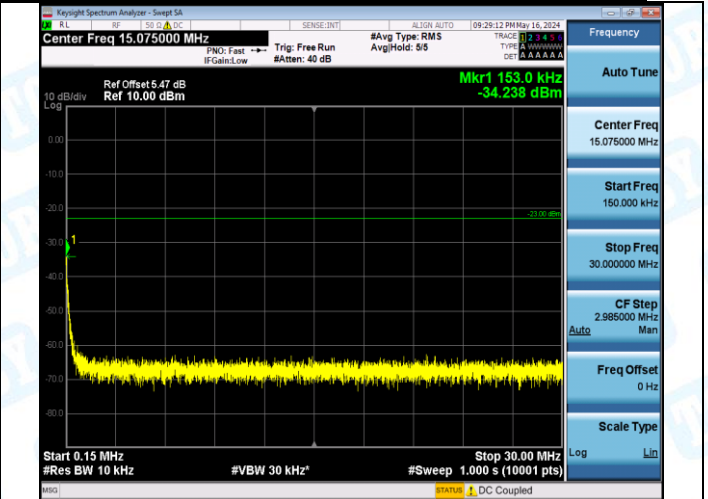
GPRS850-251-5-0.15~30MHz-PASS



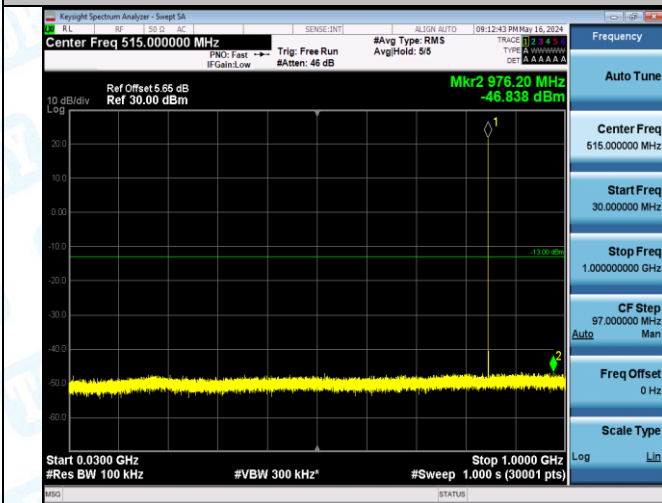
GSM850-251-5-0.15~30MHz-PASS



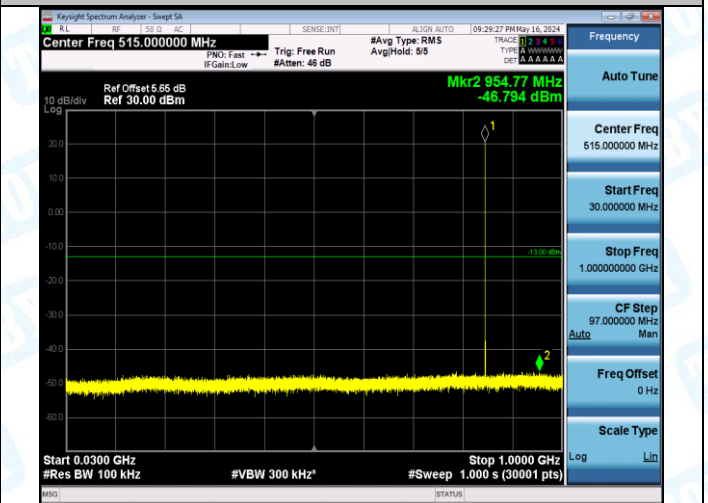
GPRS850-251-5-30~1000MHz-PASS



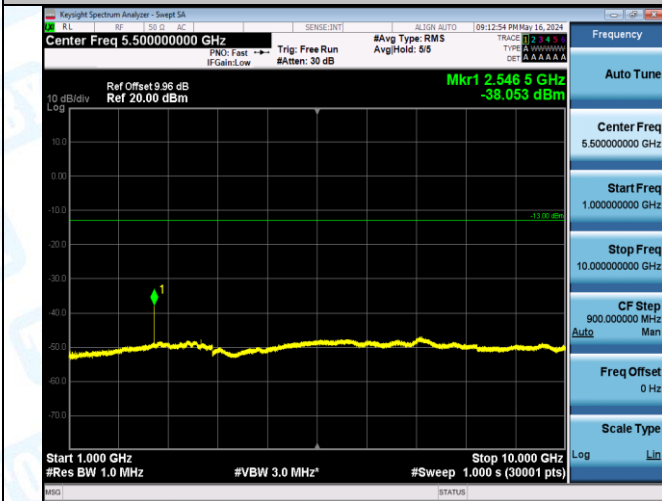
GSM850-251-5-30~1000MHz-PASS



GPRS850-251-5-1000~10000MHz-PASS



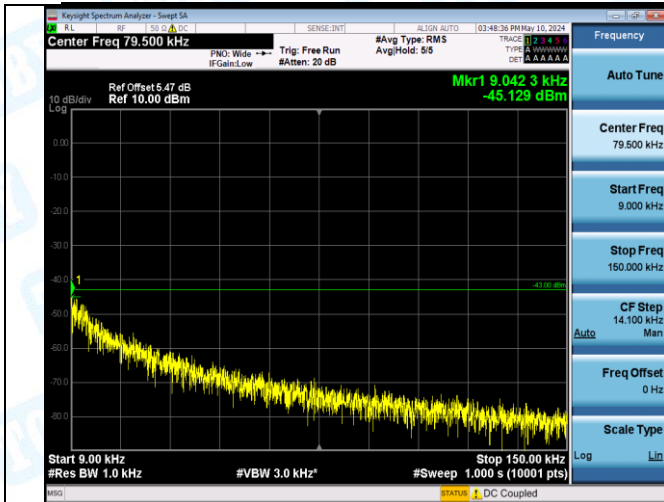
GSM850-251-5-1000~10000MHz-PASS



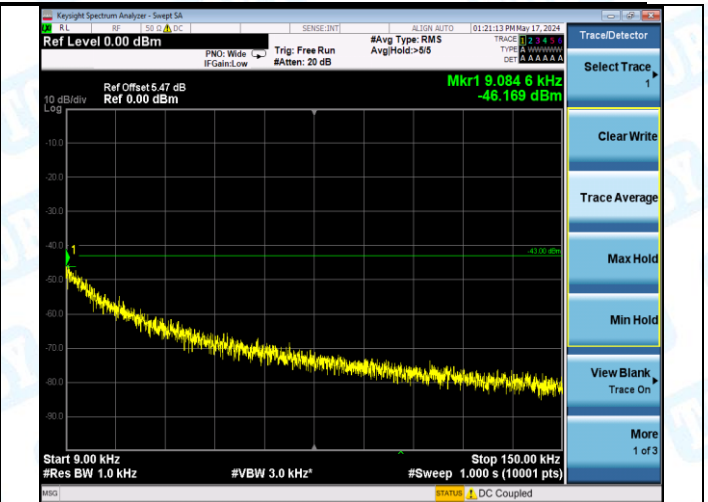
GPRS1900-512-0-0.009~0.15MHz-PASS



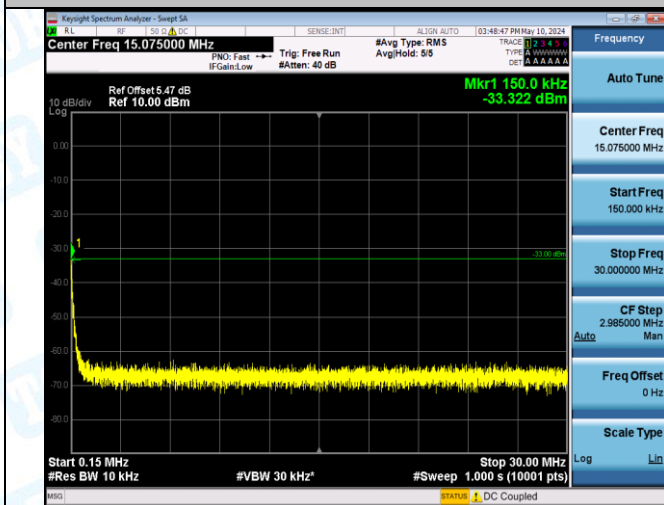
GSM1900-512-0-0.009~0.15MHz-PASS



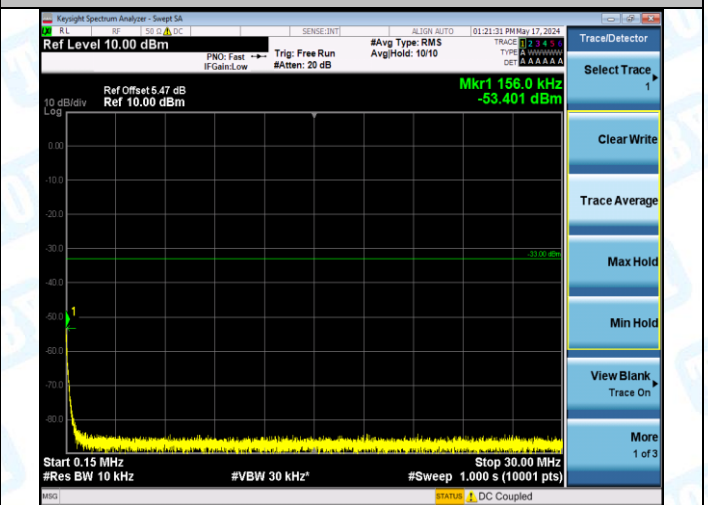
GPRS1900-512-0-0.15~30MHz-PASS



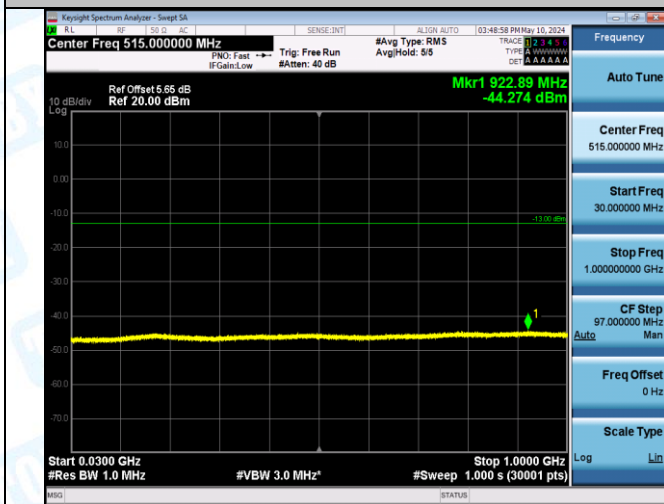
GSM1900-512-0-0.15~30MHz-PASS



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



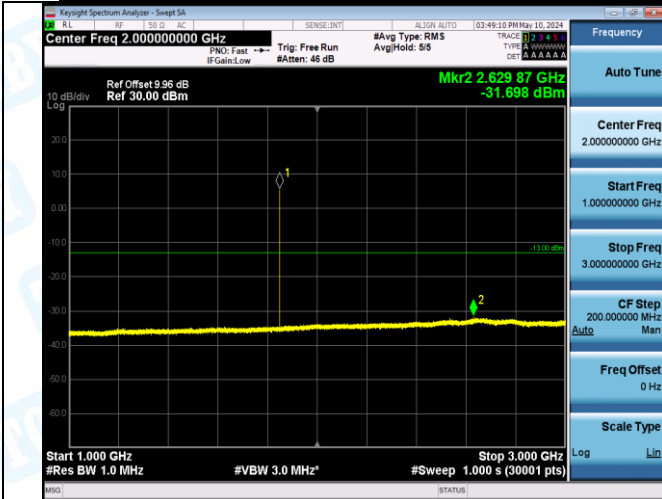
GSM1900-512-0-30~1000MHz-PASS



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



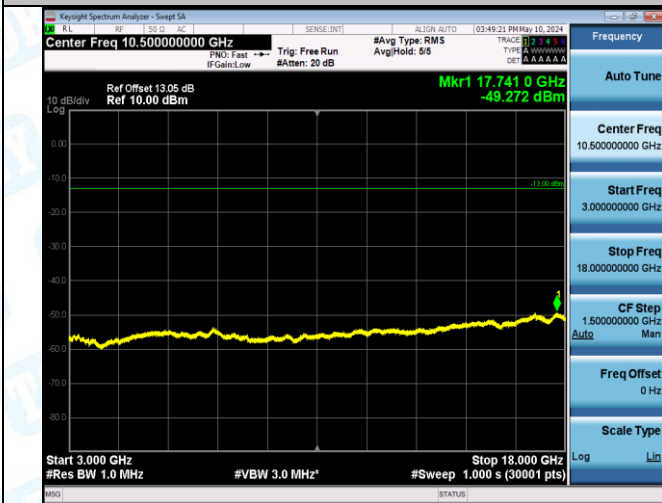
GSM1900-512-0-1000~3000MHz-PASS



GPRS1900-512-0-3000~18000MHz-PASS



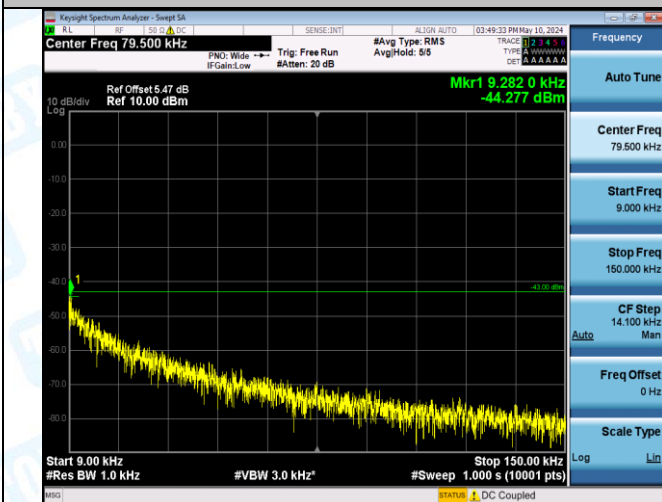
GSM1900-512-0-3000~18000MHz-PASS



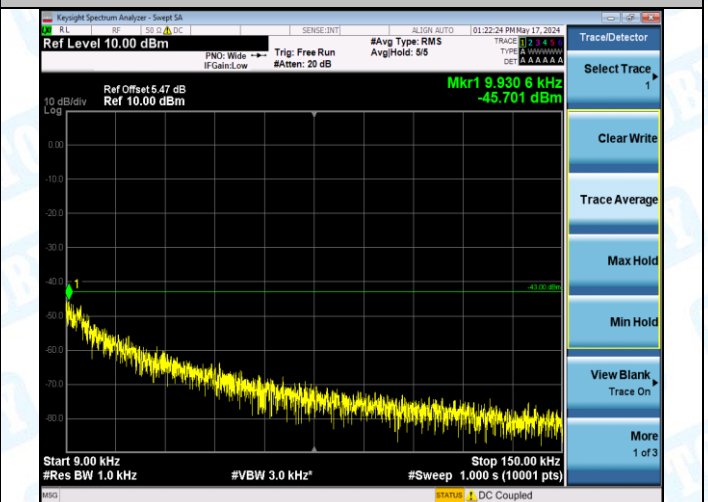
GPRS1900-661-0-0.009~0.15MHz-PASS



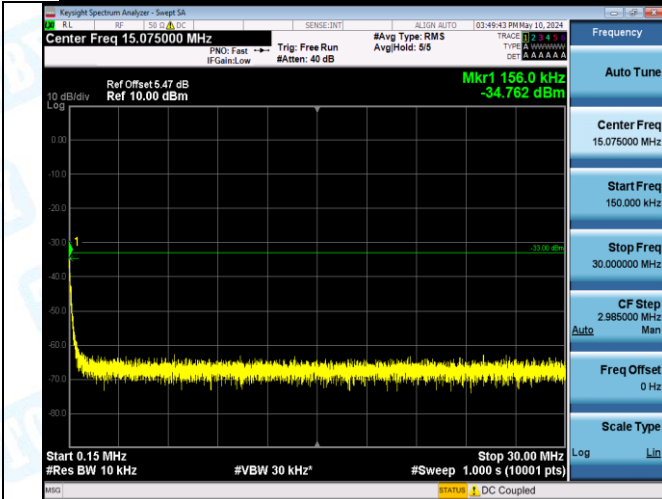
GSM1900-661-0-0.009~0.15MHz-PASS



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



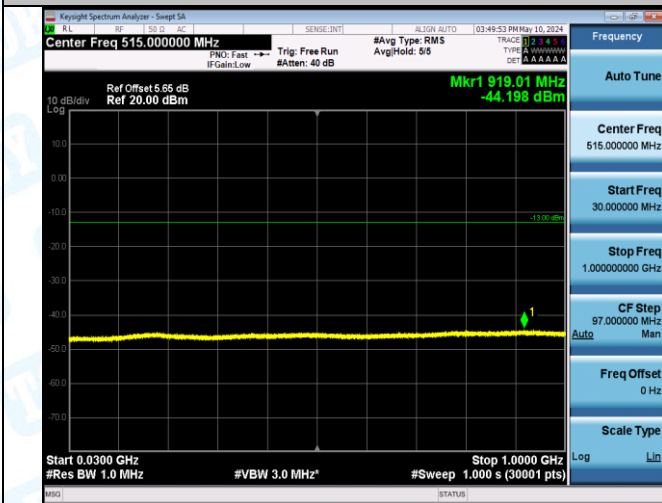
GSM1900-661-0-0.15~30MHz-PASS



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



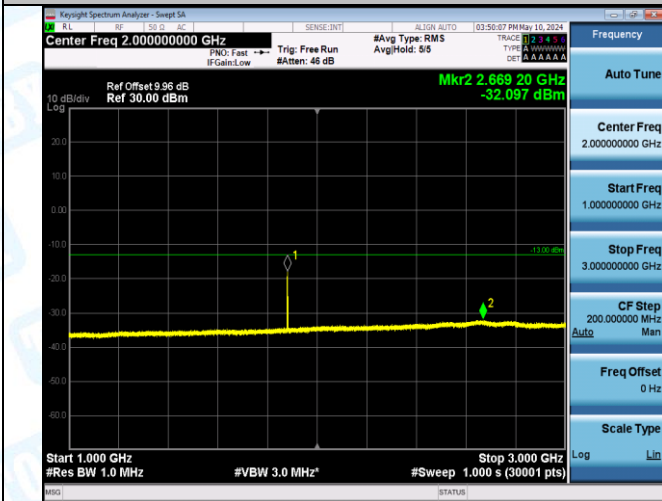
GSM1900-661-0-30~1000MHz-PASS



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



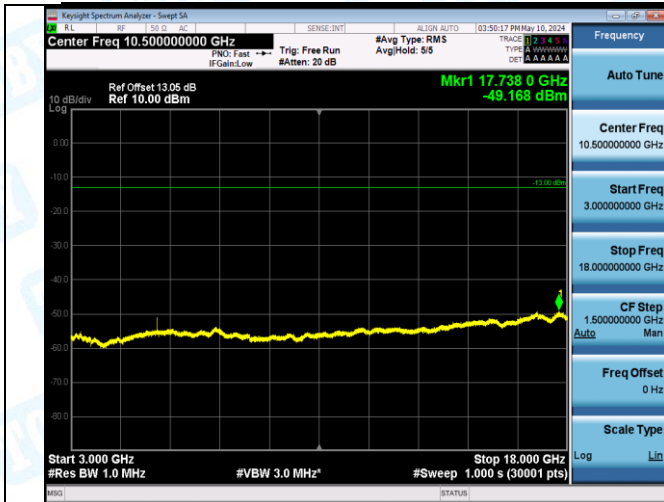
GSM1900-661-0-1000~3000MHz-PASS



GPRS1900-661-0-3000~18000MHz-PASS



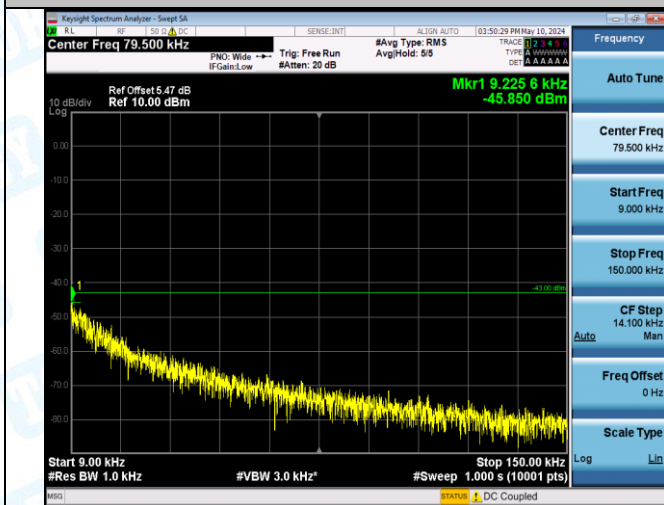
GSM1900-661-0-3000~18000MHz-PASS



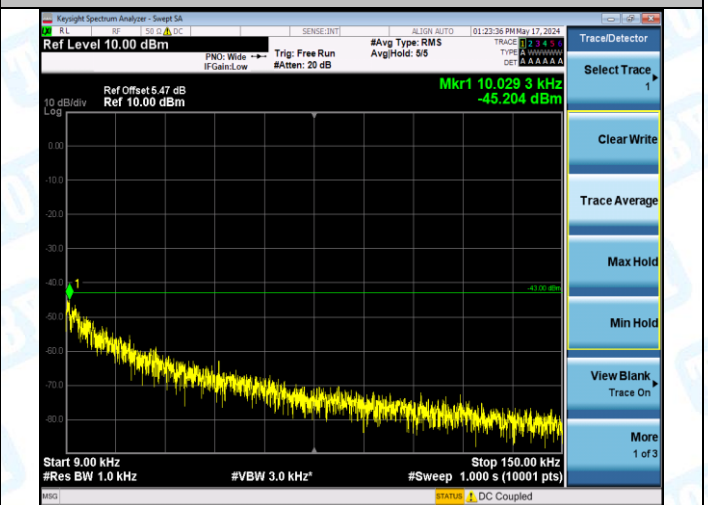
GPRS1900-810-0-0.009~0.15MHz-PASS



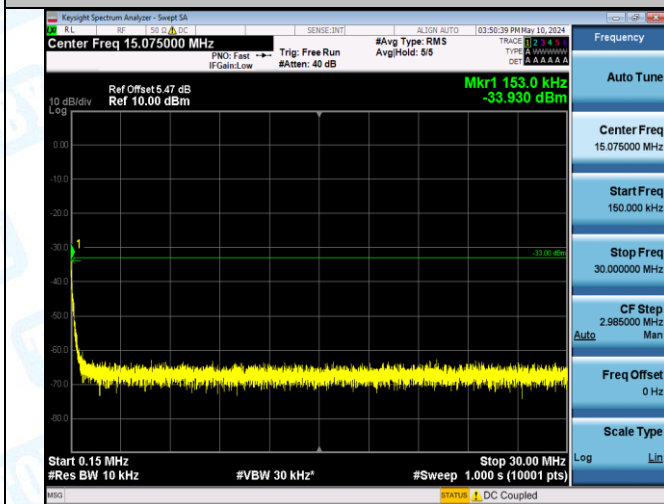
GSM1900-810-0-0.009~0.15MHz-PASS



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



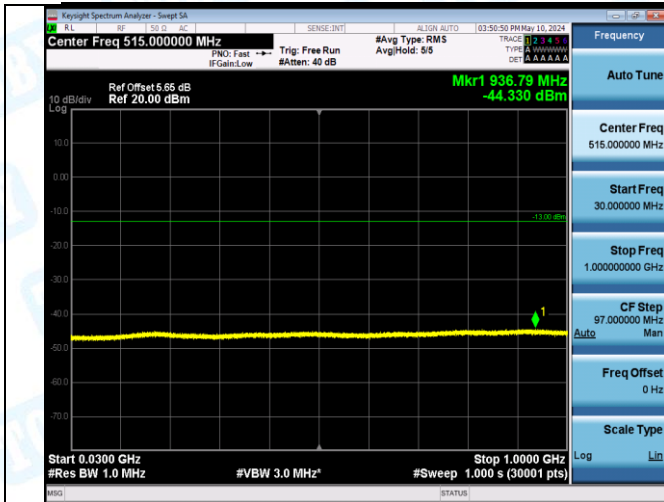
GSM1900-810-0-0.15~30MHz-PASS



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



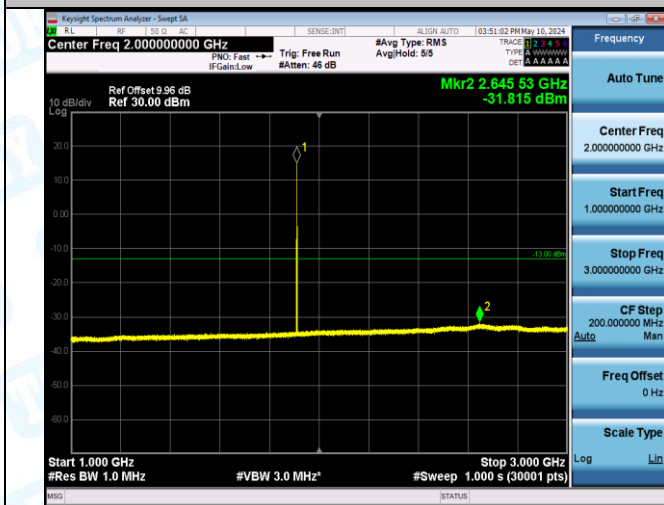
GSM1900-810-0-30~1000MHz-PASS



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



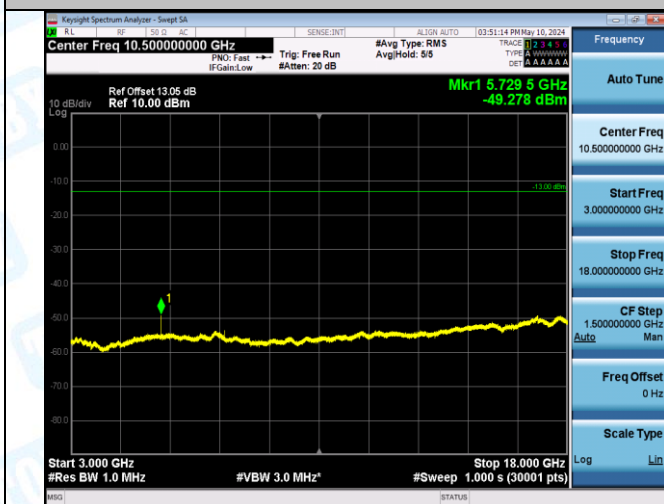
GSM1900-810-0-1000-3000MHz-PASS



GPRS1900-810-0-3000-18000MHz-PASS



GSM1900-810-0-3000-18000MHz-PASS



6: Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GPRS850	128	VN	NT	1.90	0.002305	±2.5	PASS
GPRS850	128	VL	NT	-1.58	-0.001917	±2.5	PASS
GPRS850	128	VH	NT	3.20	0.003883	±2.5	PASS
GSM850	128	VN	NT	-7.49	-0.009088	±2.5	PASS
GSM850	128	VL	NT	5.17	0.006273	±2.5	PASS
GSM850	128	VH	NT	-7.10	-0.008614	±2.5	PASS
GPRS850	190	VN	NT	7.62	0.009108	±2.5	PASS
GPRS850	190	VL	NT	2.68	0.003203	±2.5	PASS
GPRS850	190	VH	NT	5.07	0.006060	±2.5	PASS
GSM850	190	VN	NT	-11.98	-0.014320	±2.5	PASS
GSM850	190	VL	NT	-11.49	-0.013734	±2.5	PASS
GSM850	190	VH	NT	-8.65	-0.010339	±2.5	PASS
GPRS850	251	VN	NT	11.62	0.013690	±2.5	PASS
GPRS850	251	VL	NT	4.58	0.005396	±2.5	PASS
GPRS850	251	VH	NT	4.94	0.005820	±2.5	PASS
GSM850	251	VN	NT	-5.84	-0.006880	±2.5	PASS
GSM850	251	VL	NT	-5.36	-0.006315	±2.5	PASS
GSM850	251	VH	NT	-4.55	-0.005361	±2.5	PASS
GPRS1900	512	VN	NT	2.42	0.001308	±2.5	PASS
GPRS1900	512	VL	NT	2.23	0.001205	±2.5	PASS
GPRS1900	512	VH	NT	4.84	0.002616	±2.5	PASS
GSM1900	512	VN	NT	4.46	0.002411	±2.5	PASS
GSM1900	512	VL	NT	8.81	0.004762	±2.5	PASS
GSM1900	512	VH	NT	-2.45	-0.001324	±2.5	PASS
GPRS1900	661	VN	NT	-8.14	-0.004330	±2.5	PASS
GPRS1900	661	VL	NT	-8.07	-0.004293	±2.5	PASS
GPRS1900	661	VH	NT	-12.59	-0.006697	±2.5	PASS
GSM1900	661	VN	NT	-4.33	-0.002303	±2.5	PASS
GSM1900	661	VL	NT	6.59	0.003505	±2.5	PASS
GSM1900	661	VH	NT	1.03	0.000548	±2.5	PASS
GPRS1900	810	VN	NT	7.59	0.003974	±2.5	PASS
GPRS1900	810	VL	NT	2.16	0.001131	±2.5	PASS
GPRS1900	810	VH	NT	10.69	0.005597	±2.5	PASS
GSM1900	810	VN	NT	-7.49	-0.003922	±2.5	PASS
GSM1900	810	VL	NT	6.10	0.003194	±2.5	PASS
GSM1900	810	VH	NT	-8.85	-0.004634	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GPRS850	128	NV	-30	1.39	0.001686	±2.5	PASS
GPRS850	128	NV	-20	1.78	0.002160	±2.5	PASS
GPRS850	128	NV	-10	3.62	0.004392	±2.5	PASS
GPRS850	128	NV	0	-2.23	-0.002706	±2.5	PASS
GPRS850	128	NV	10	3.36	0.004077	±2.5	PASS
GPRS850	128	NV	20	0.97	0.001177	±2.5	PASS
GPRS850	128	NV	30	1.07	0.001298	±2.5	PASS
GPRS850	128	NV	40	-0.77	-0.000934	±2.5	PASS
GPRS850	128	NV	50	-2.42	-0.002936	±2.5	PASS
GSM850	128	NV	-30	-6.52	-0.007911	±2.5	PASS
GSM850	128	NV	-20	-2.16	-0.002621	±2.5	PASS
GSM850	128	NV	-10	-3.87	-0.004695	±2.5	PASS
GSM850	128	NV	0	-2.97	-0.003603	±2.5	PASS
GSM850	128	NV	10	-6.20	-0.007522	±2.5	PASS
GSM850	128	NV	20	-2.49	-0.003021	±2.5	PASS
GSM850	128	NV	30	9.07	0.011005	±2.5	PASS
GSM850	128	NV	40	-8.56	-0.010386	±2.5	PASS
GSM850	128	NV	50	6.62	0.008032	±2.5	PASS
GPRS850	190	NV	-30	2.94	0.003514	±2.5	PASS
GPRS850	190	NV	-20	1.94	0.002319	±2.5	PASS
GPRS850	190	NV	-10	4.71	0.005630	±2.5	PASS
GPRS850	190	NV	0	4.39	0.005247	±2.5	PASS
GPRS850	190	NV	10	2.94	0.003514	±2.5	PASS
GPRS850	190	NV	20	3.52	0.004208	±2.5	PASS
GPRS850	190	NV	30	3.49	0.004172	±2.5	PASS
GPRS850	190	NV	40	2.42	0.002893	±2.5	PASS
GPRS850	190	NV	50	1.36	0.001626	±2.5	PASS
GSM850	190	NV	-30	-10.27	-0.012276	±2.5	PASS
GSM850	190	NV	-20	-8.20	-0.009802	±2.5	PASS
GSM850	190	NV	-10	-11.82	-0.014129	±2.5	PASS
GSM850	190	NV	0	-12.66	-0.015133	±2.5	PASS
GSM850	190	NV	10	-0.36	-0.000430	±2.5	PASS
GSM850	190	NV	20	1.94	0.002319	±2.5	PASS
GSM850	190	NV	30	-2.52	-0.003012	±2.5	PASS
GSM850	190	NV	40	-9.88	-0.011810	±2.5	PASS
GSM850	190	NV	50	1.81	0.002164	±2.5	PASS
GPRS850	251	NV	-30	1.94	0.002286	±2.5	PASS
GPRS850	251	NV	-20	-0.81	-0.000954	±2.5	PASS
GPRS850	251	NV	-10	4.49	0.005290	±2.5	PASS
GPRS850	251	NV	0	-4.16	-0.004901	±2.5	PASS

GPRS850	251	NV	10	-3.20	-0.003770	±2.5	PASS
GPRS850	251	NV	20	1.61	0.001897	±2.5	PASS
GPRS850	251	NV	30	-0.19	-0.000224	±2.5	PASS
GPRS850	251	NV	40	3.07	0.003617	±2.5	PASS
GPRS850	251	NV	50	1.16	0.001367	±2.5	PASS
GSM850	251	NV	-30	-4.97	-0.005855	±2.5	PASS
GSM850	251	NV	-20	-5.97	-0.007033	±2.5	PASS
GSM850	251	NV	-10	-5.17	-0.006091	±2.5	PASS
GSM850	251	NV	0	-7.33	-0.008636	±2.5	PASS
GSM850	251	NV	10	-4.78	-0.005631	±2.5	PASS
GSM850	251	NV	20	-7.78	-0.009166	±2.5	PASS
GSM850	251	NV	30	-5.81	-0.006845	±2.5	PASS
GSM850	251	NV	40	-7.07	-0.008329	±2.5	PASS
GSM850	251	NV	50	3.94	0.004642	±2.5	PASS
GPRS1900	512	NV	-30	2.13	0.001151	±2.5	PASS
GPRS1900	512	NV	-20	1.10	0.000595	±2.5	PASS
GPRS1900	512	NV	-10	12.11	0.006545	±2.5	PASS
GPRS1900	512	NV	0	2.55	0.001378	±2.5	PASS
GPRS1900	512	NV	10	2.65	0.001432	±2.5	PASS
GPRS1900	512	NV	20	3.55	0.001919	±2.5	PASS
GPRS1900	512	NV	30	-7.26	-0.003924	±2.5	PASS
GPRS1900	512	NV	40	4.36	0.002357	±2.5	PASS
GPRS1900	512	NV	50	13.82	0.007469	±2.5	PASS
GSM1900	512	NV	-30	1.55	0.000838	±2.5	PASS
GSM1900	512	NV	-20	6.07	0.003281	±2.5	PASS
GSM1900	512	NV	-10	6.42	0.003470	±2.5	PASS
GSM1900	512	NV	0	4.13	0.002232	±2.5	PASS
GSM1900	512	NV	10	4.26	0.002302	±2.5	PASS
GSM1900	512	NV	20	-0.06	-0.000032	±2.5	PASS
GSM1900	512	NV	30	-1.71	-0.000924	±2.5	PASS
GSM1900	512	NV	40	0.23	0.000124	±2.5	PASS
GSM1900	512	NV	50	13.01	0.007032	±2.5	PASS
GPRS1900	661	NV	-30	-19.86	-0.010564	±2.5	PASS
GPRS1900	661	NV	-20	-6.07	-0.003229	±2.5	PASS
GPRS1900	661	NV	-10	-11.69	-0.006218	±2.5	PASS
GPRS1900	661	NV	0	-13.40	-0.007128	±2.5	PASS
GPRS1900	661	NV	10	-16.40	-0.008723	±2.5	PASS
GPRS1900	661	NV	20	-7.62	-0.004053	±2.5	PASS
GPRS1900	661	NV	30	-8.33	-0.004431	±2.5	PASS
GPRS1900	661	NV	40	-5.94	-0.003160	±2.5	PASS
GPRS1900	661	NV	50	-4.46	-0.002372	±2.5	PASS
GSM1900	661	NV	-30	-2.74	-0.001457	±2.5	PASS
GSM1900	661	NV	-20	9.04	0.004809	±2.5	PASS

GSM1900	661	NV	-10	-1.45	-0.000771	±2.5	PASS
GSM1900	661	NV	0	5.04	0.002681	±2.5	PASS
GSM1900	661	NV	10	-2.55	-0.001356	±2.5	PASS
GSM1900	661	NV	20	-13.24	-0.007043	±2.5	PASS
GSM1900	661	NV	30	2.81	0.001495	±2.5	PASS
GSM1900	661	NV	40	0.68	0.000362	±2.5	PASS
GSM1900	661	NV	50	0.71	0.000378	±2.5	PASS
GPRS1900	810	NV	-30	5.68	0.002974	±2.5	PASS
GPRS1900	810	NV	-20	10.98	0.005749	±2.5	PASS
GPRS1900	810	NV	-10	-0.74	-0.000387	±2.5	PASS
GPRS1900	810	NV	0	8.27	0.004330	±2.5	PASS
GPRS1900	810	NV	10	6.46	0.003383	±2.5	PASS
GPRS1900	810	NV	20	4.16	0.002178	±2.5	PASS
GPRS1900	810	NV	30	7.33	0.003838	±2.5	PASS
GPRS1900	810	NV	40	6.59	0.003451	±2.5	PASS
GPRS1900	810	NV	50	1.39	0.000728	±2.5	PASS
GSM1900	810	NV	-30	-7.39	-0.003870	±2.5	PASS
GSM1900	810	NV	-20	-6.01	-0.003147	±2.5	PASS
GSM1900	810	NV	-10	-4.81	-0.002519	±2.5	PASS
GSM1900	810	NV	0	12.37	0.006477	±2.5	PASS
GSM1900	810	NV	10	-2.23	-0.001168	±2.5	PASS
GSM1900	810	NV	20	3.39	0.001775	±2.5	PASS
GSM1900	810	NV	30	13.27	0.006948	±2.5	PASS
GSM1900	810	NV	40	-6.30	-0.003299	±2.5	PASS
GSM1900	810	NV	50	-0.06	-0.000031	±2.5	PASS

7: Modulation Characteristics

Test Result

Band	Channel	Result	Verdict
GSM850	128	PASS	PASS
GPRS850	128	PASS	PASS
GSM850	190	PASS	PASS
GPRS850	190	PASS	PASS
GSM850	251	PASS	PASS
GPRS850	251	PASS	PASS
GPRS1900	512	PASS	PASS
GSM1900	512	PASS	PASS
GPRS1900	661	PASS	PASS
GSM1900	661	PASS	PASS
GPRS1900	810	PASS	PASS
GSM1900	810	PASS	PASS