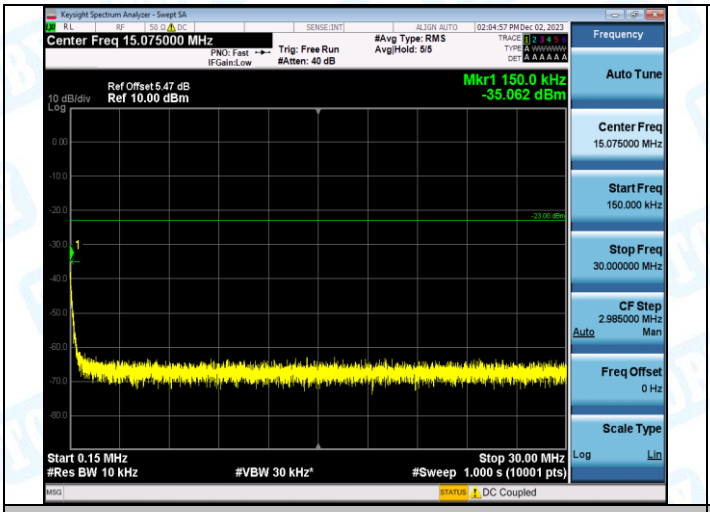
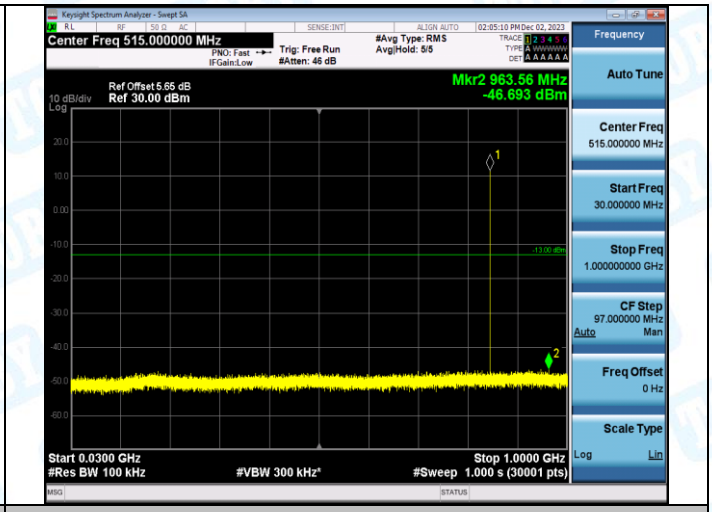
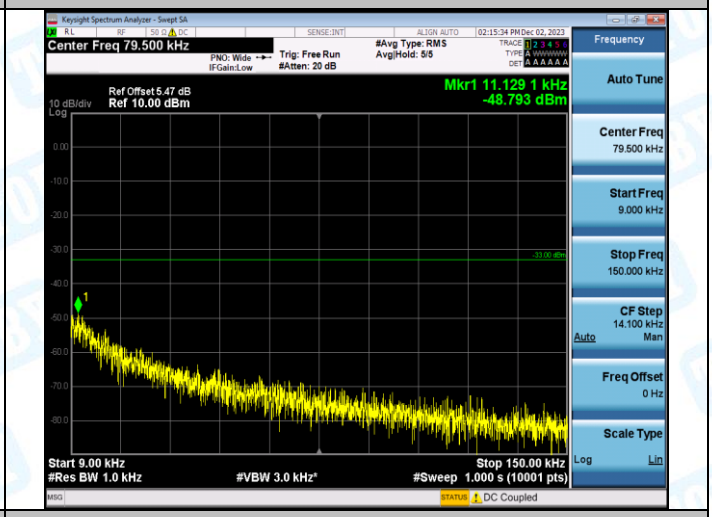


GPRS850-251-5-1000~10000MHz-PASS

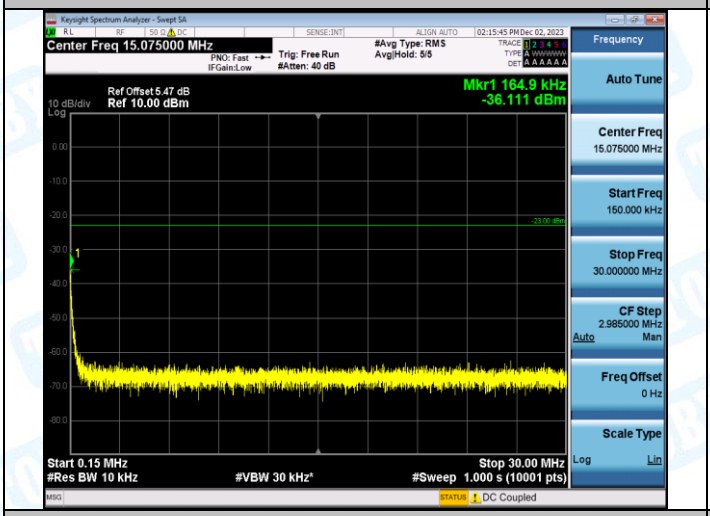


EGPRS850-128-8-0.009~0.15MHz-PASS

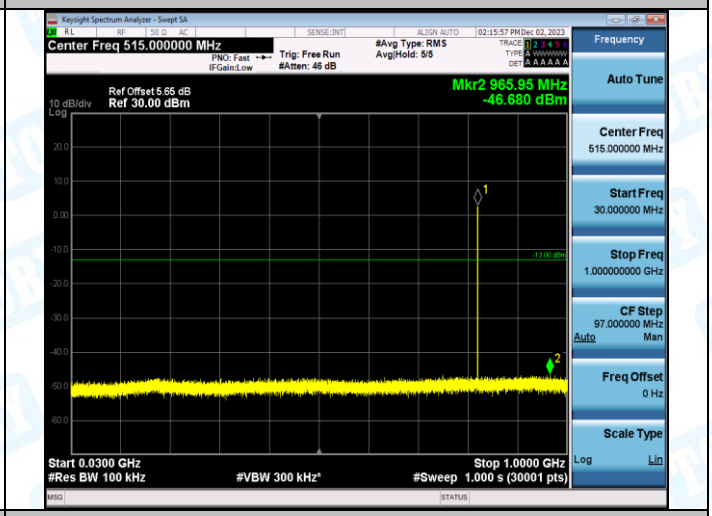
EGPRS850-128-8-0.15~30MHz-PASS



EGPRS850-128-8-30~1000MHz-PASS

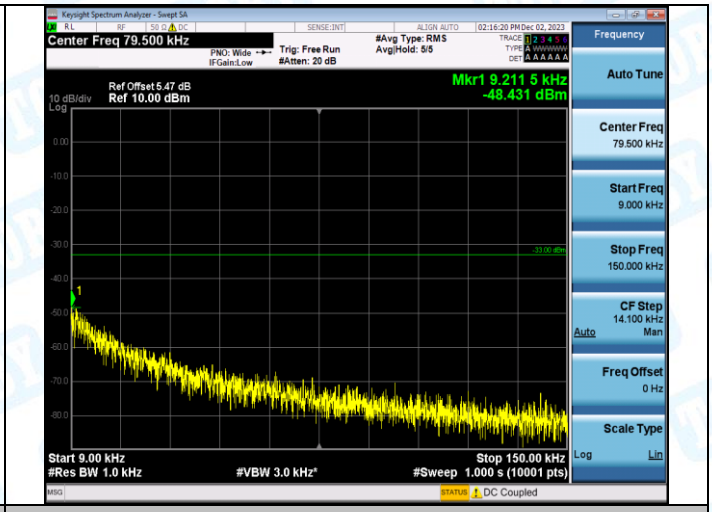


EGPRS850-128-8-1000~10000MHz-PASS

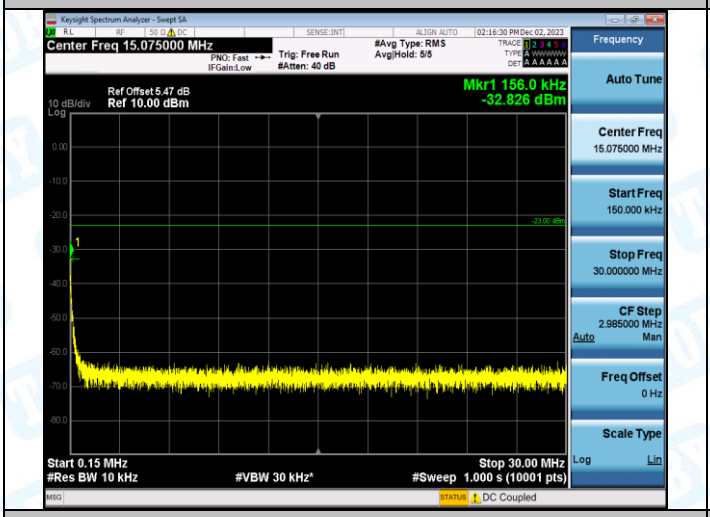


EGPRS850-190-8-0.009~0.15MHz-PASS

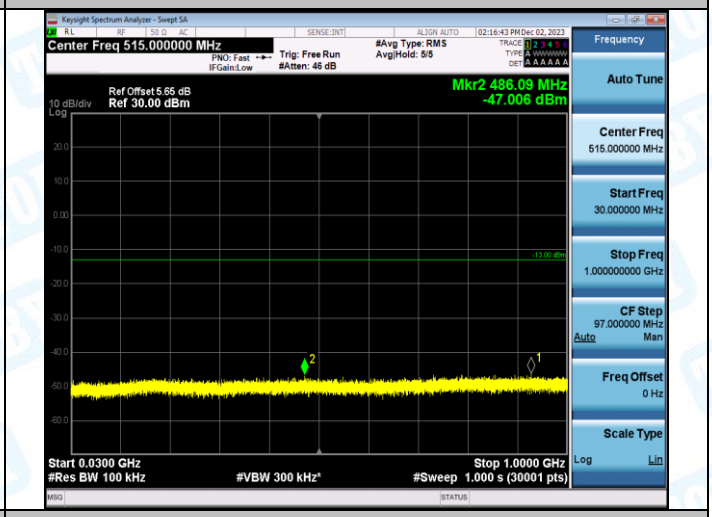
EGPRS850-190-8-0.15~30MHz-PASS



EGPRS850-190-8-30~1000MHz-PASS

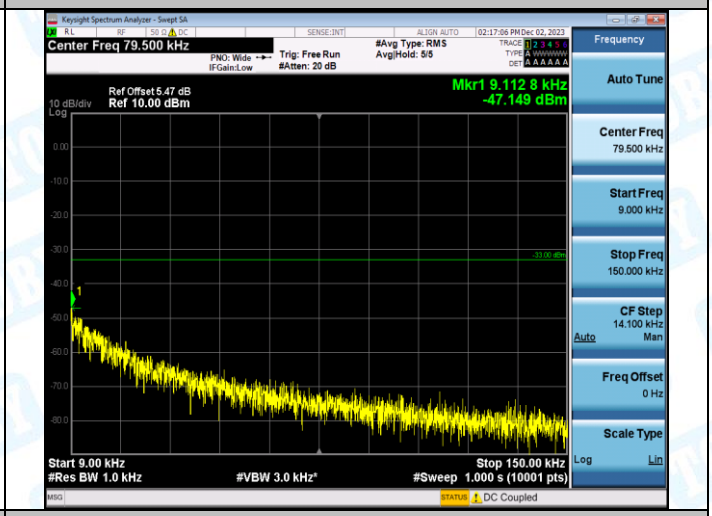


EGPRS850-190-8-1000~10000MHz-PASS

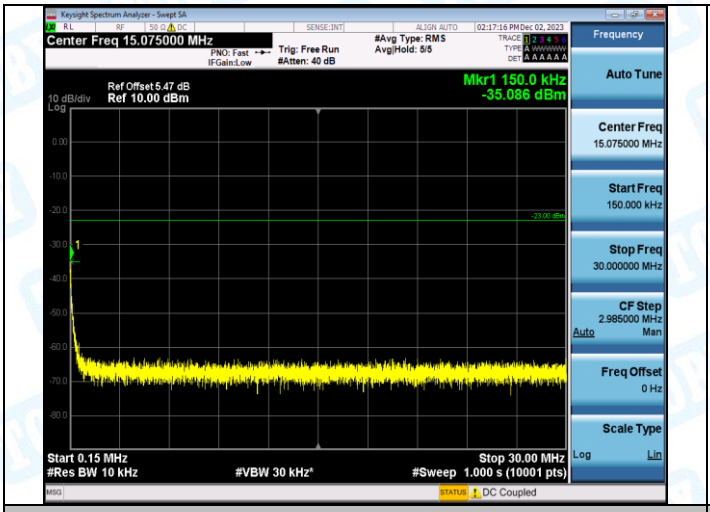


EGPRS850-251-8-0.009~0.15MHz-PASS

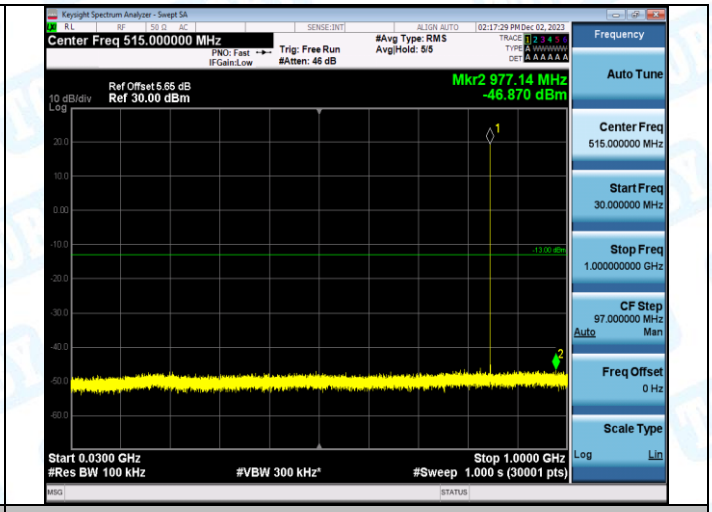
EGPRS850-251-8-0.15~30MHz-PASS



EGPRS850-251-8-30~1000MHz-PASS

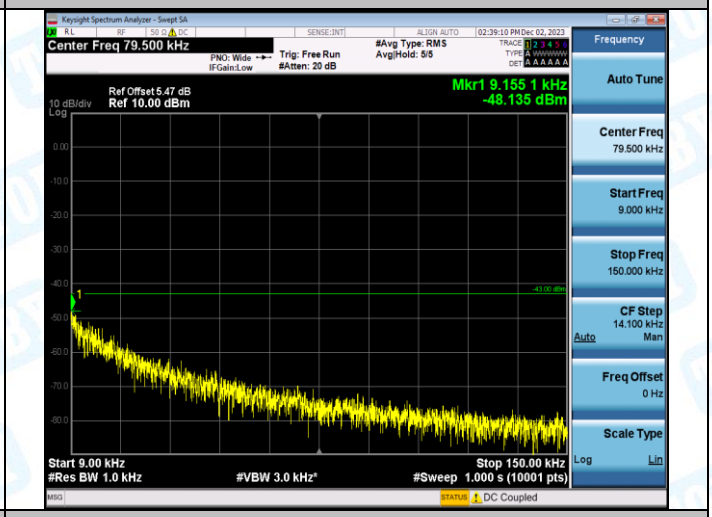


EGPRS850-251-8-1000~10000MHz-PASS

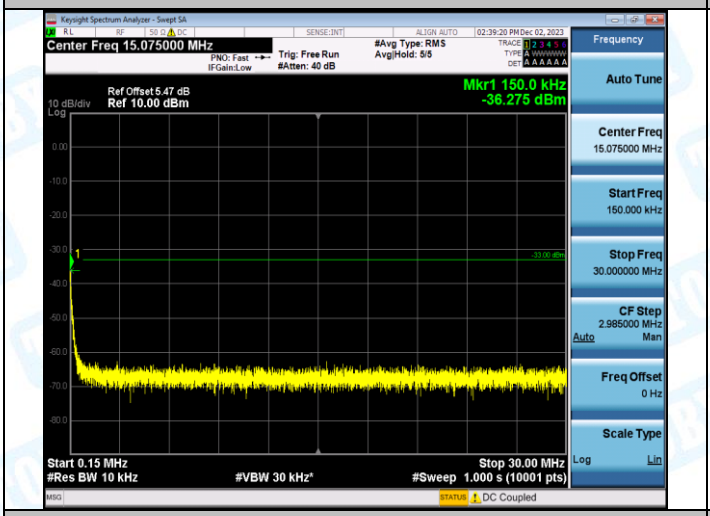


GPRS1900-512-0-0.009~0.15MHz-PASS

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

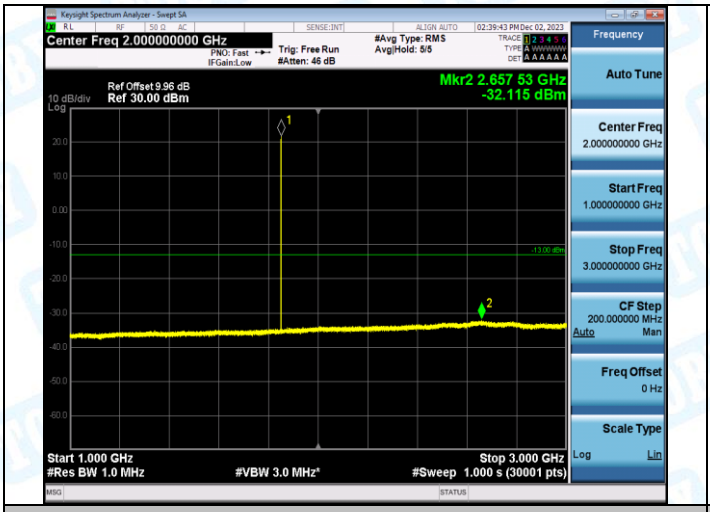


GPRS1900-512-0-30~1000MHz-PASS



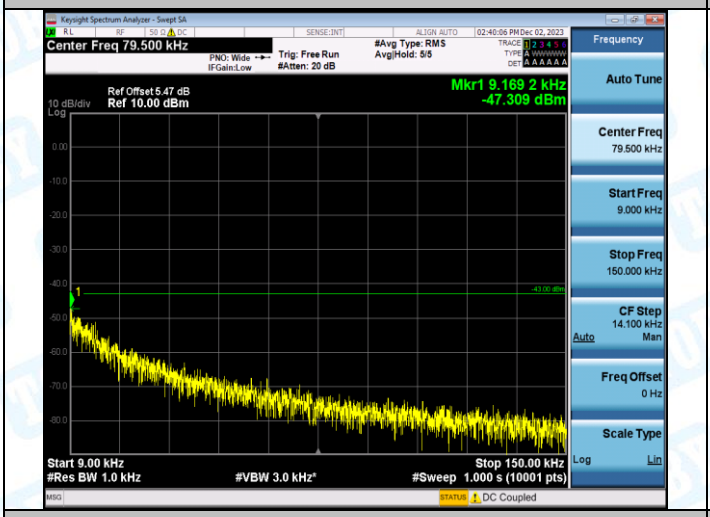
GPRS1900-512-0-1000~3000MHz-PASS

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

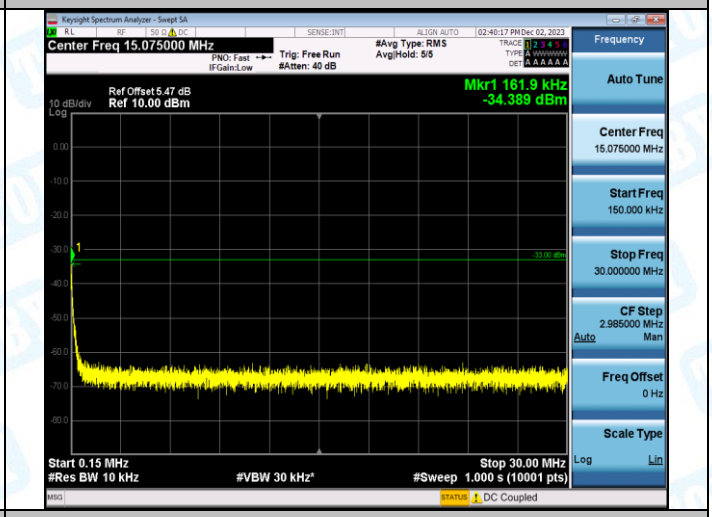


GPRS1900-661-0-0.009~0.15MHz-PASS

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

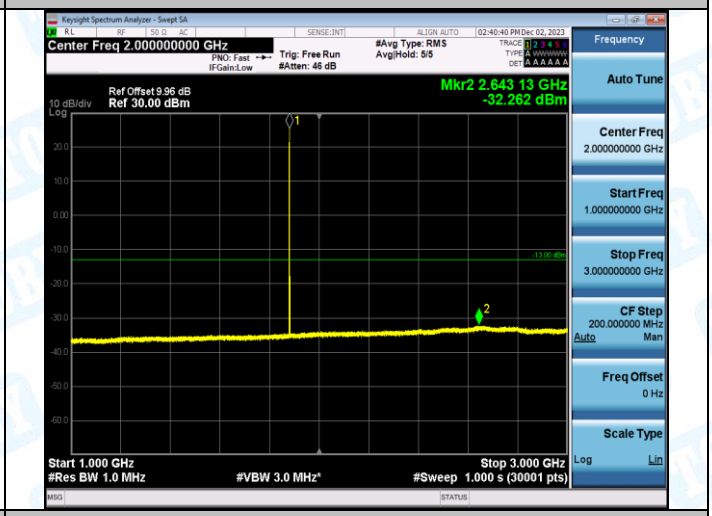


GPRS1900-661-0-30~1000MHz-PASS



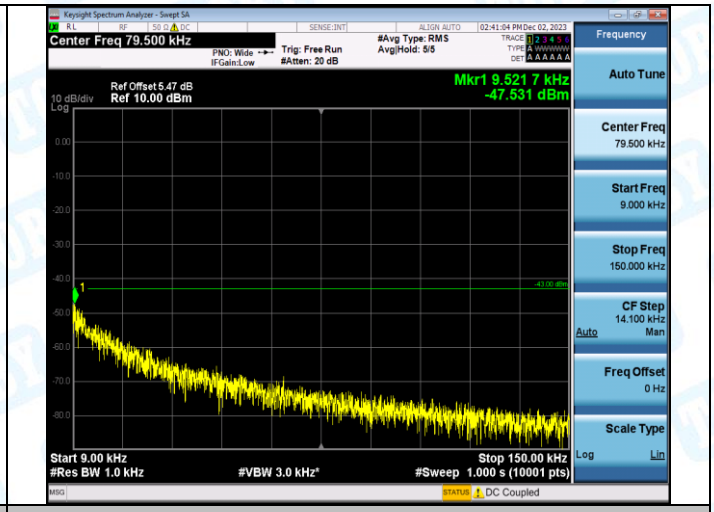
GPRS1900-661-0-1000~3000MHz-PASS

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

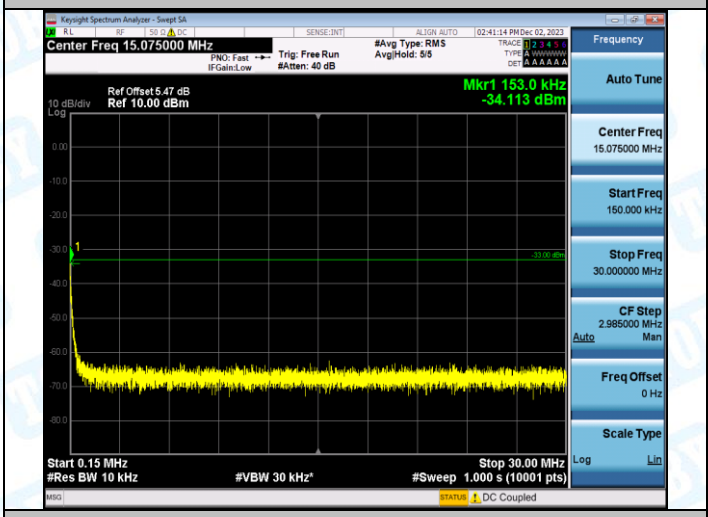


GPRS1900-810-0-0.009~0.15MHz-PASS

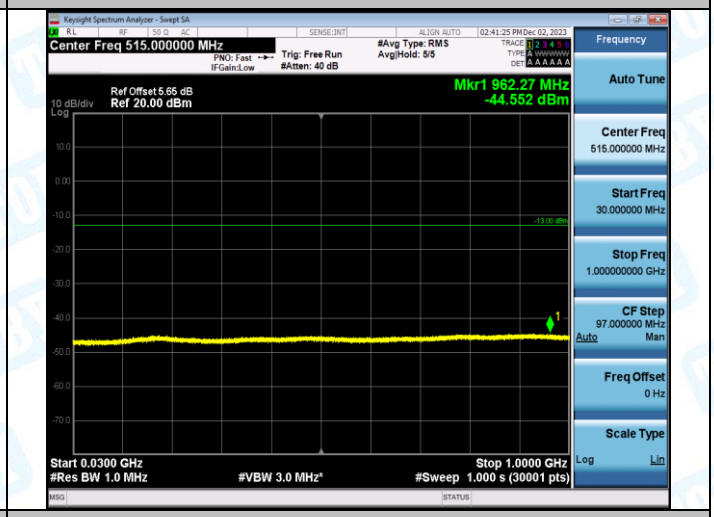
GPRS1900-810-0-0.15~30MHz-PASS



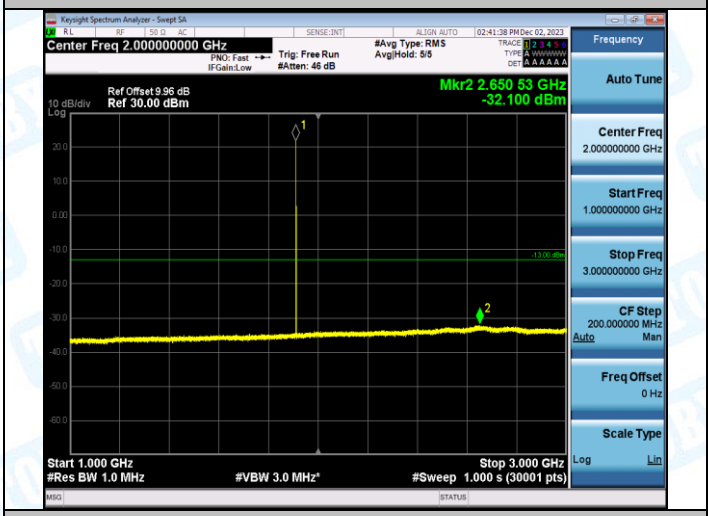
GPRS1900-810-0-30~1000MHz-PASS



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

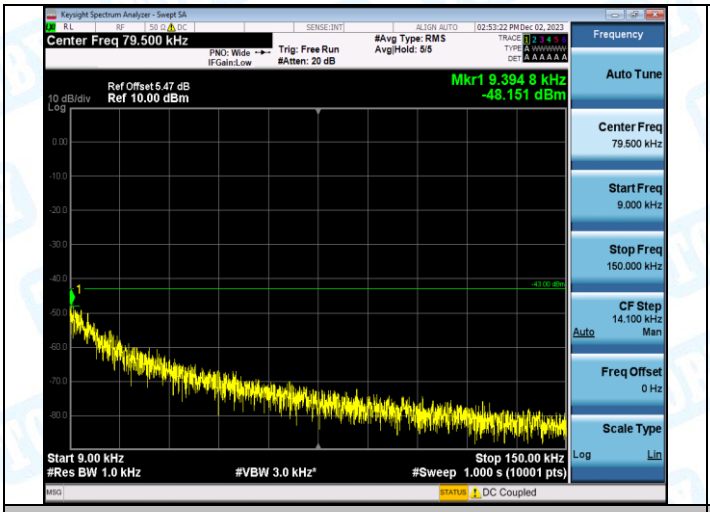


GPRS1900-810-0-3000~18000MHz-PASS

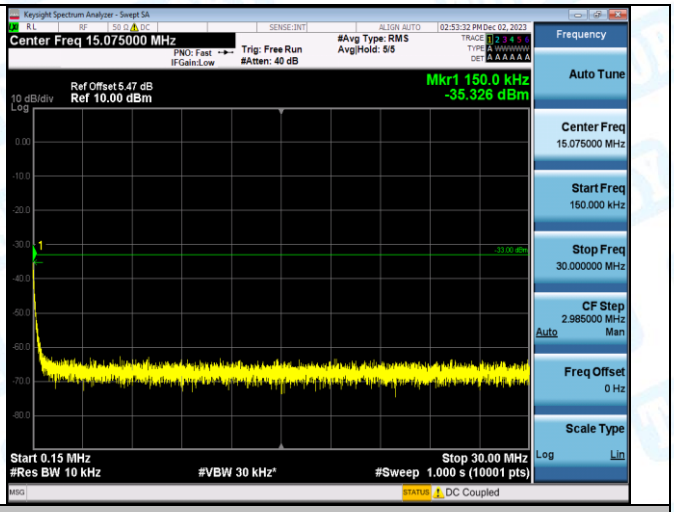


EGPRS1900-512-2-0.009~0.15MHz-PASS

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

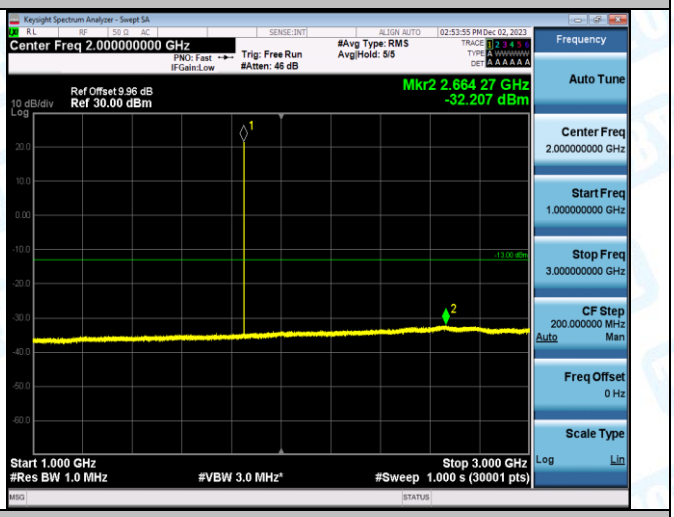


EGPRS1900-512-2-30~1000MHz-PASS



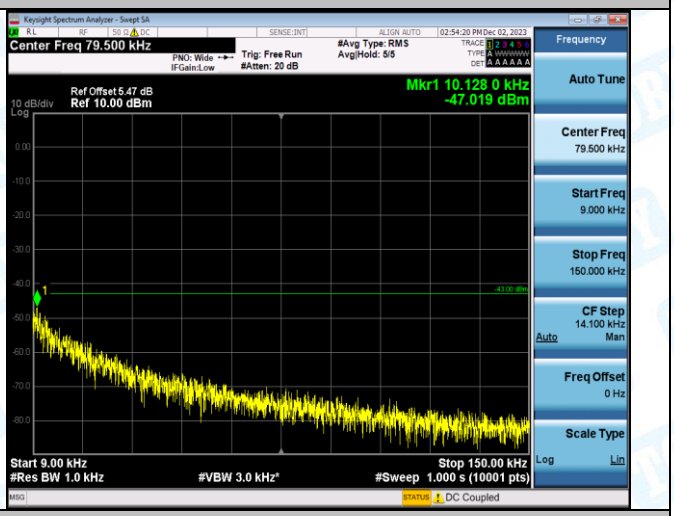
EGPRS1900-512-2-1000~3000MHz-PASS

EGPRS1900-512-2-3000~18000MHz-PASS

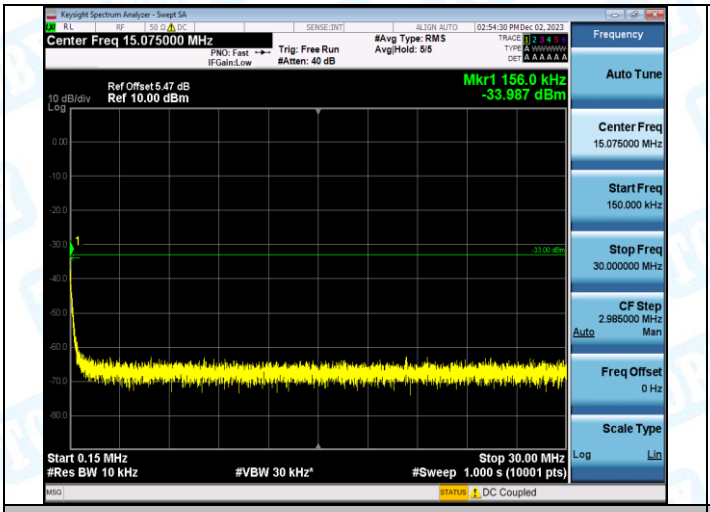


EGPRS1900-661-2-0.009~0.15MHz-PASS

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

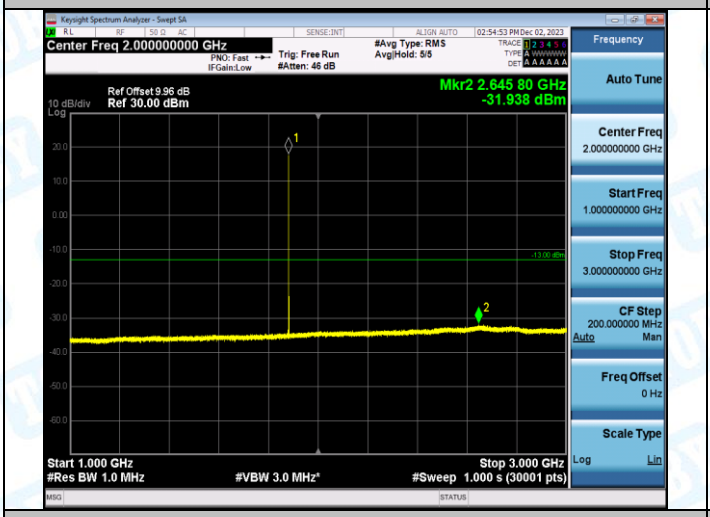


EGPRS1900-661-2-30~1000MHz-PASS



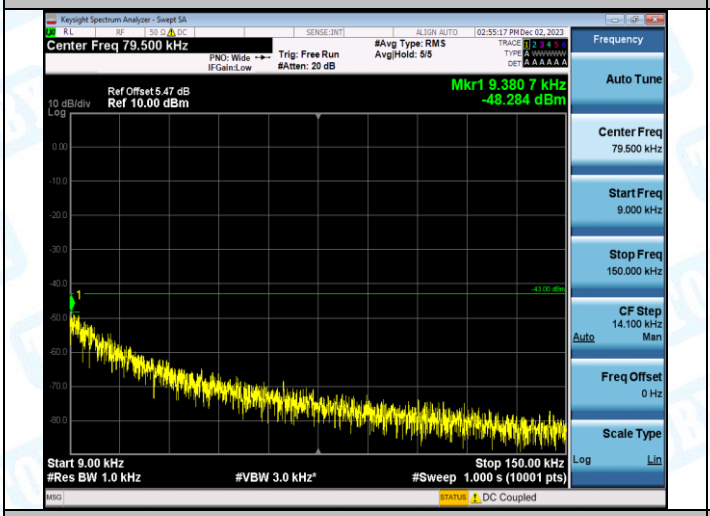
EGPRS1900-661-2-1000~3000MHz-PASS

EGPRS1900-661-2-3000~18000MHz-PASS

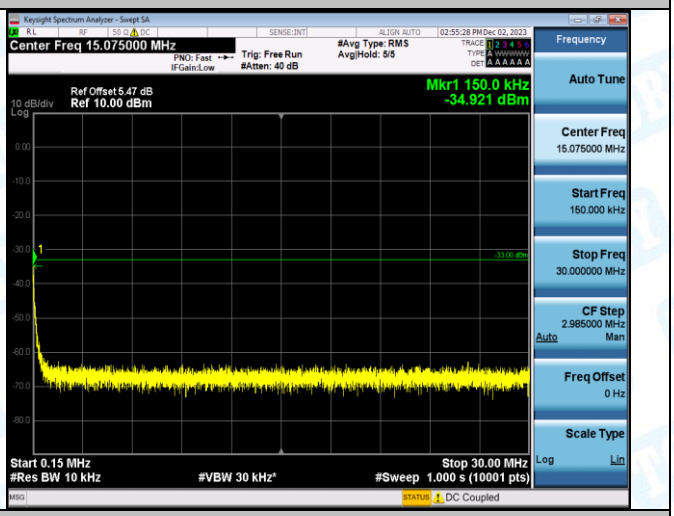


EGPRS1900-810-2-0.009~0.15MHz-PASS

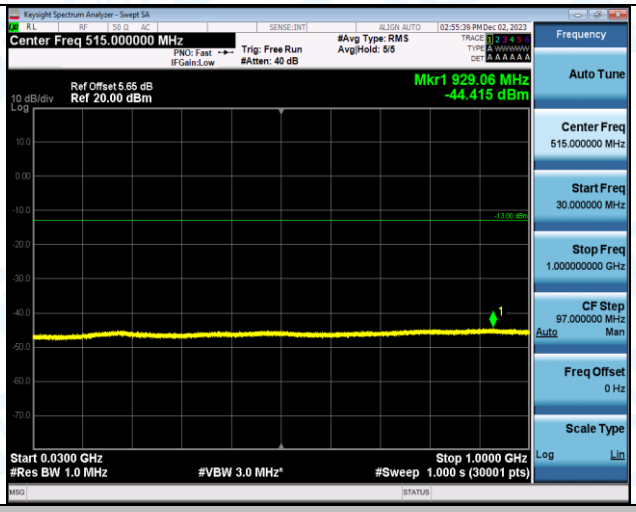
EGPRS1900-810-2-0.15~30MHz-PASS



EGPRS1900-810-2-30~1000MHz-PASS



EGPRS1900-810-2-1000~3000MHz-PASS



EGPRS1900-810-2-3000~18000MHz-PASS

6. Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	VN	NT	18.82	0.022834	±2.5	PASS
GSM850	128	VL	NT	17.76	0.021548	±2.5	PASS
GSM850	128	VH	NT	16.34	0.019825	±2.5	PASS
GSM850	190	VN	NT	17.05	0.020380	±2.5	PASS
GSM850	190	VL	NT	18.66	0.022305	±2.5	PASS
GSM850	190	VH	NT	17.95	0.021456	±2.5	PASS
GSM850	251	VN	NT	20.73	0.024423	±2.5	PASS
GSM850	251	VL	NT	18.73	0.022066	±2.5	PASS
GSM850	251	VH	NT	19.69	0.023197	±2.5	PASS
GSM1900	512	VN	NT	23.21	0.012545	±2.5	PASS
GSM1900	512	VL	NT	23.60	0.012755	±2.5	PASS
GSM1900	512	VH	NT	21.86	0.011815	±2.5	PASS
GSM1900	661	VN	NT	22.57	0.012005	±2.5	PASS
GSM1900	661	VL	NT	25.18	0.013394	±2.5	PASS
GSM1900	661	VH	NT	21.86	0.011628	±2.5	PASS
GSM1900	810	VN	NT	20.44	0.010703	±2.5	PASS
GSM1900	810	VL	NT	19.31	0.010111	±2.5	PASS
GSM1900	810	VH	NT	21.34	0.011174	±2.5	PASS
GPRS850	128	VN	NT	13.62	0.016525	±2.5	PASS
GPRS850	128	VL	NT	13.08	0.015870	±2.5	PASS
GPRS850	128	VH	NT	12.46	0.015118	±2.5	PASS
GPRS850	190	VN	NT	11.69	0.013973	±2.5	PASS
GPRS850	190	VL	NT	16.92	0.020225	±2.5	PASS
GPRS850	190	VH	NT	13.69	0.016364	±2.5	PASS
GPRS850	251	VN	NT	15.66	0.018450	±2.5	PASS
GPRS850	251	VL	NT	13.98	0.016470	±2.5	PASS
GPRS850	251	VH	NT	15.08	0.017766	±2.5	PASS
EGPRS850	128	VN	NT	-1.00	-0.001213	±2.5	PASS
EGPRS850	128	VL	NT	-1.36	-0.001650	±2.5	PASS
EGPRS850	128	VH	NT	-0.42	-0.000510	±2.5	PASS
EGPRS850	190	VN	NT	0.48	0.000574	±2.5	PASS
EGPRS850	190	VL	NT	0.10	0.000120	±2.5	PASS
EGPRS850	190	VH	NT	-0.74	-0.000885	±2.5	PASS
EGPRS850	251	VN	NT	4.20	0.004948	±2.5	PASS
EGPRS850	251	VL	NT	3.52	0.004147	±2.5	PASS
EGPRS850	251	VH	NT	3.39	0.003994	±2.5	PASS
GPRS1900	512	VN	NT	25.47	0.013766	±2.5	PASS

GPRS1900	512	VL	NT	19.79	0.010696	±2.5	PASS
GPRS1900	512	VH	NT	22.15	0.011972	±2.5	PASS
GPRS1900	661	VN	NT	19.47	0.010356	±2.5	PASS
GPRS1900	661	VL	NT	24.73	0.013154	±2.5	PASS
GPRS1900	661	VH	NT	16.89	0.008984	±2.5	PASS
GPRS1900	810	VN	NT	21.02	0.011006	±2.5	PASS
GPRS1900	810	VL	NT	22.37	0.011713	±2.5	PASS
GPRS1900	810	VH	NT	15.56	0.008147	±2.5	PASS
EGPRS1900	512	VN	NT	13.37	0.007226	±2.5	PASS
EGPRS1900	512	VL	NT	13.98	0.007556	±2.5	PASS
EGPRS1900	512	VH	NT	13.53	0.007313	±2.5	PASS
EGPRS1900	661	VN	NT	11.62	0.006181	±2.5	PASS
EGPRS1900	661	VL	NT	9.17	0.004878	±2.5	PASS
EGPRS1900	661	VH	NT	19.08	0.010149	±2.5	PASS
EGPRS1900	810	VN	NT	14.82	0.007760	±2.5	PASS
EGPRS1900	810	VL	NT	13.82	0.007236	±2.5	PASS
EGPRS1900	810	VH	NT	16.21	0.008488	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	NV	-10	18.95	0.022992	±2.5	PASS
GSM850	128	NV	0	18.14	0.022009	±2.5	PASS
GSM850	128	NV	10	21.18	0.025698	±2.5	PASS
GSM850	128	NV	20	21.15	0.025661	±2.5	PASS
GSM850	128	NV	30	19.63	0.023817	±2.5	PASS
GSM850	128	NV	40	19.89	0.024132	±2.5	PASS
GSM850	128	NV	45	20.53	0.024909	±2.5	PASS
GSM850	190	NV	-10	18.05	0.021575	±2.5	PASS
GSM850	190	NV	0	21.08	0.025197	±2.5	PASS
GSM850	190	NV	10	17.85	0.021336	±2.5	PASS
GSM850	190	NV	20	19.50	0.023309	±2.5	PASS
GSM850	190	NV	30	19.73	0.023584	±2.5	PASS
GSM850	190	NV	40	17.43	0.020834	±2.5	PASS
GSM850	190	NV	45	19.86	0.023739	±2.5	PASS
GSM850	251	NV	-10	20.73	0.024423	±2.5	PASS
GSM850	251	NV	0	18.34	0.021607	±2.5	PASS
GSM850	251	NV	10	19.53	0.023009	±2.5	PASS
GSM850	251	NV	20	21.28	0.025071	±2.5	PASS
GSM850	251	NV	30	18.79	0.022137	±2.5	PASS
GSM850	251	NV	40	20.99	0.024729	±2.5	PASS
GSM850	251	NV	45	23.50	0.027686	±2.5	PASS
GSM1900	512	NV	-10	22.21	0.012004	±2.5	PASS
GSM1900	512	NV	0	24.31	0.013139	±2.5	PASS
GSM1900	512	NV	10	27.51	0.014869	±2.5	PASS
GSM1900	512	NV	20	21.53	0.011637	±2.5	PASS
GSM1900	512	NV	30	18.92	0.010226	±2.5	PASS
GSM1900	512	NV	40	27.48	0.014852	±2.5	PASS
GSM1900	512	NV	45	29.15	0.015755	±2.5	PASS
GSM1900	661	NV	-10	20.66	0.010989	±2.5	PASS
GSM1900	661	NV	0	24.47	0.013016	±2.5	PASS
GSM1900	661	NV	10	21.47	0.011420	±2.5	PASS
GSM1900	661	NV	20	19.63	0.010441	±2.5	PASS
GSM1900	661	NV	30	20.89	0.011112	±2.5	PASS
GSM1900	661	NV	40	27.02	0.014372	±2.5	PASS
GSM1900	661	NV	45	23.37	0.012431	±2.5	PASS
GSM1900	810	NV	-10	21.92	0.011478	±2.5	PASS
GSM1900	810	NV	0	22.02	0.011530	±2.5	PASS
GSM1900	810	NV	10	19.73	0.010331	±2.5	PASS
GSM1900	810	NV	20	18.85	0.009870	±2.5	PASS
GSM1900	810	NV	30	17.18	0.008996	±2.5	PASS

GSM1900	810	NV	40	18.05	0.009451	±2.5	PASS
GSM1900	810	NV	45	23.57	0.012342	±2.5	PASS
GPRS850	128	NV	-30	11.78	0.014293	±2.5	PASS
GPRS850	128	NV	-20	13.85	0.016804	±2.5	PASS
GPRS850	128	NV	-10	14.24	0.017277	±2.5	PASS
GPRS850	128	NV	0	15.66	0.019000	±2.5	PASS
GPRS850	128	NV	10	13.62	0.016525	±2.5	PASS
GPRS850	128	NV	20	13.30	0.016137	±2.5	PASS
GPRS850	128	NV	30	18.98	0.023028	±2.5	PASS
GPRS850	128	NV	40	20.18	0.024484	±2.5	PASS
GPRS850	128	NV	50	21.76	0.026401	±2.5	PASS
GPRS850	190	NV	-30	12.82	0.015324	±2.5	PASS
GPRS850	190	NV	-20	11.72	0.014009	±2.5	PASS
GPRS850	190	NV	-10	11.20	0.013388	±2.5	PASS
GPRS850	190	NV	0	11.62	0.013890	±2.5	PASS
GPRS850	190	NV	10	15.34	0.018336	±2.5	PASS
GPRS850	190	NV	20	15.79	0.018874	±2.5	PASS
GPRS850	190	NV	30	13.04	0.015587	±2.5	PASS
GPRS850	190	NV	40	14.69	0.017559	±2.5	PASS
GPRS850	190	NV	50	20.73	0.024779	±2.5	PASS
GPRS850	251	NV	-30	17.21	0.020276	±2.5	PASS
GPRS850	251	NV	-20	12.46	0.014680	±2.5	PASS
GPRS850	251	NV	-10	17.18	0.020240	±2.5	PASS
GPRS850	251	NV	0	14.04	0.016541	±2.5	PASS
GPRS850	251	NV	10	14.63	0.017236	±2.5	PASS
GPRS850	251	NV	20	15.92	0.018756	±2.5	PASS
GPRS850	251	NV	30	12.20	0.014373	±2.5	PASS
GPRS850	251	NV	40	18.14	0.021371	±2.5	PASS
GPRS850	251	NV	50	15.88	0.018709	±2.5	PASS
EGPRS850	128	NV	-10	0.77	0.000934	±2.5	PASS
EGPRS850	128	NV	0	0.52	0.000631	±2.5	PASS
EGPRS850	128	NV	10	1.58	0.001917	±2.5	PASS
EGPRS850	128	NV	20	0.94	0.001140	±2.5	PASS
EGPRS850	128	NV	30	4.36	0.005290	±2.5	PASS
EGPRS850	128	NV	40	3.97	0.004817	±2.5	PASS
EGPRS850	128	NV	45	-1.19	-0.001444	±2.5	PASS
EGPRS850	190	NV	-10	1.13	0.001351	±2.5	PASS
EGPRS850	190	NV	0	0.45	0.000538	±2.5	PASS
EGPRS850	190	NV	10	2.52	0.003012	±2.5	PASS
EGPRS850	190	NV	20	4.29	0.005128	±2.5	PASS
EGPRS850	190	NV	30	0.42	0.000502	±2.5	PASS
EGPRS850	190	NV	40	2.13	0.002546	±2.5	PASS
EGPRS850	190	NV	45	1.84	0.002199	±2.5	PASS

EGPRS850	251	NV	-10	-1.00	-0.001178	±2.5	PASS
EGPRS850	251	NV	0	3.52	0.004147	±2.5	PASS
EGPRS850	251	NV	10	3.07	0.003617	±2.5	PASS
EGPRS850	251	NV	20	4.68	0.005514	±2.5	PASS
EGPRS850	251	NV	30	6.30	0.007422	±2.5	PASS
EGPRS850	251	NV	40	3.97	0.004677	±2.5	PASS
EGPRS850	251	NV	45	2.45	0.002886	±2.5	PASS
GPRS1900	512	NV	-10	18.73	0.010123	±2.5	PASS
GPRS1900	512	NV	0	23.28	0.012582	±2.5	PASS
GPRS1900	512	NV	10	23.76	0.012842	±2.5	PASS
GPRS1900	512	NV	20	19.57	0.010577	±2.5	PASS
GPRS1900	512	NV	30	21.18	0.011447	±2.5	PASS
GPRS1900	512	NV	40	20.47	0.011064	±2.5	PASS
GPRS1900	512	NV	45	18.63	0.010069	±2.5	PASS
GPRS1900	661	NV	-10	17.79	0.009463	±2.5	PASS
GPRS1900	661	NV	0	23.47	0.012484	±2.5	PASS
GPRS1900	661	NV	10	23.96	0.012745	±2.5	PASS
GPRS1900	661	NV	20	21.41	0.011388	±2.5	PASS
GPRS1900	661	NV	30	18.02	0.009585	±2.5	PASS
GPRS1900	661	NV	40	26.35	0.014016	±2.5	PASS
GPRS1900	661	NV	45	19.73	0.010495	±2.5	PASS
GPRS1900	810	NV	-10	19.79	0.010362	±2.5	PASS
GPRS1900	810	NV	0	19.11	0.010006	±2.5	PASS
GPRS1900	810	NV	10	20.76	0.010870	±2.5	PASS
GPRS1900	810	NV	20	17.72	0.009278	±2.5	PASS
GPRS1900	810	NV	30	17.11	0.008959	±2.5	PASS
GPRS1900	810	NV	40	17.79	0.009315	±2.5	PASS
GPRS1900	810	NV	45	19.86	0.010399	±2.5	PASS
EGPRS1900	512	NV	-10	13.37	0.007226	±2.5	PASS
EGPRS1900	512	NV	0	12.20	0.006594	±2.5	PASS
EGPRS1900	512	NV	10	14.63	0.007907	±2.5	PASS
EGPRS1900	512	NV	20	18.44	0.009966	±2.5	PASS
EGPRS1900	512	NV	30	14.56	0.007869	±2.5	PASS
EGPRS1900	512	NV	40	16.18	0.008745	±2.5	PASS
EGPRS1900	512	NV	45	19.24	0.010399	±2.5	PASS
EGPRS1900	661	NV	-10	14.66	0.007798	±2.5	PASS
EGPRS1900	661	NV	0	9.01	0.004793	±2.5	PASS
EGPRS1900	661	NV	10	12.66	0.006734	±2.5	PASS
EGPRS1900	661	NV	20	7.81	0.004154	±2.5	PASS
EGPRS1900	661	NV	30	10.59	0.005633	±2.5	PASS
EGPRS1900	661	NV	40	14.17	0.007537	±2.5	PASS
EGPRS1900	661	NV	45	7.97	0.004239	±2.5	PASS
EGPRS1900	810	NV	-10	14.56	0.007624	±2.5	PASS

EGPRS1900	810	NV	0	9.30	0.004870	±2.5	PASS
EGPRS1900	810	NV	10	11.04	0.005781	±2.5	PASS
EGPRS1900	810	NV	20	15.17	0.007943	±2.5	PASS
EGPRS1900	810	NV	30	12.04	0.006304	±2.5	PASS
EGPRS1900	810	NV	40	15.40	0.008064	±2.5	PASS
EGPRS1900	810	NV	45	10.11	0.005294	±2.5	PASS