



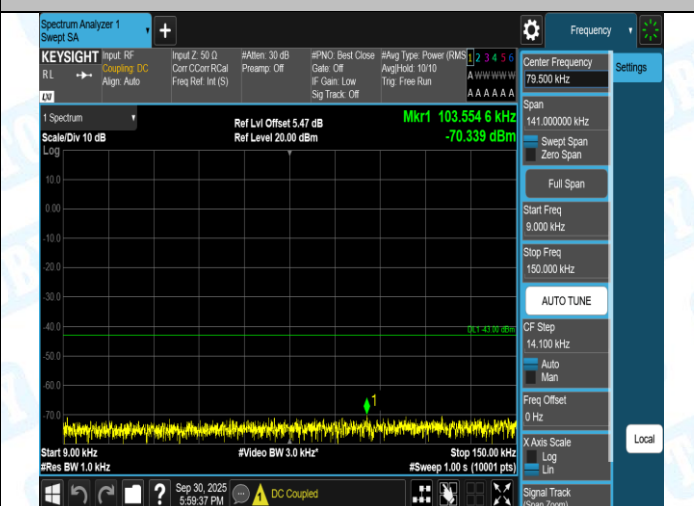
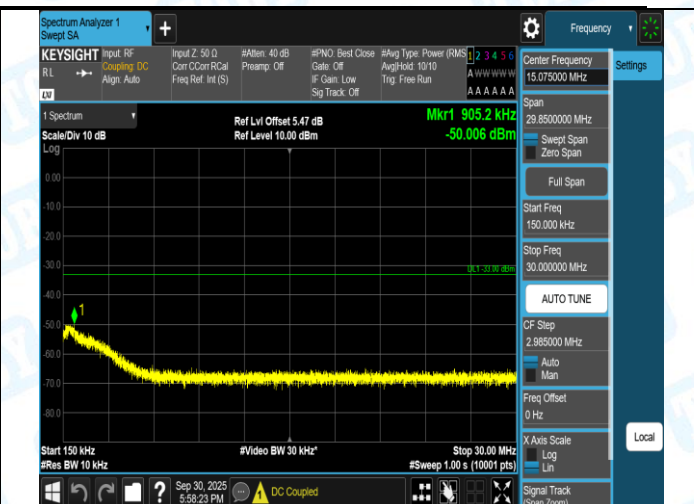
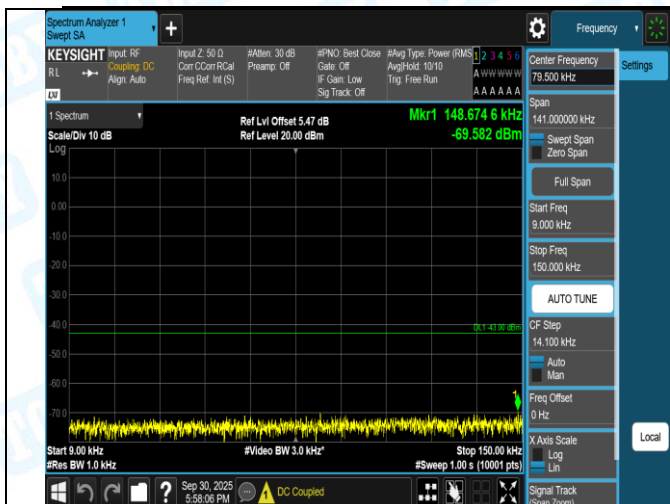
GSM1900-810-0-1000~3000MHz-PASS

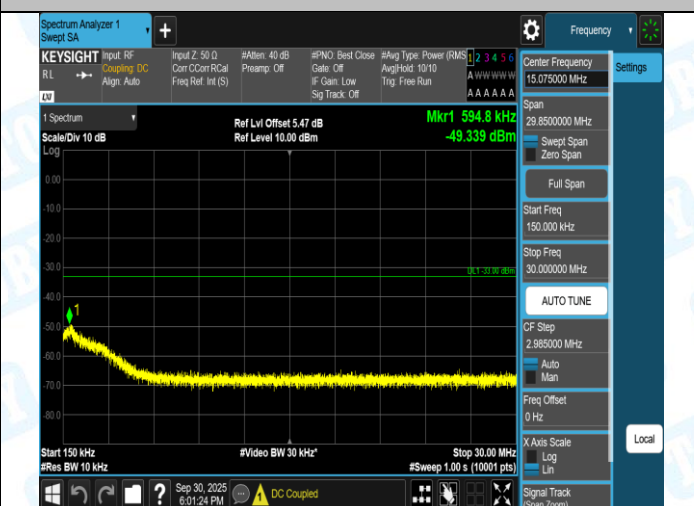
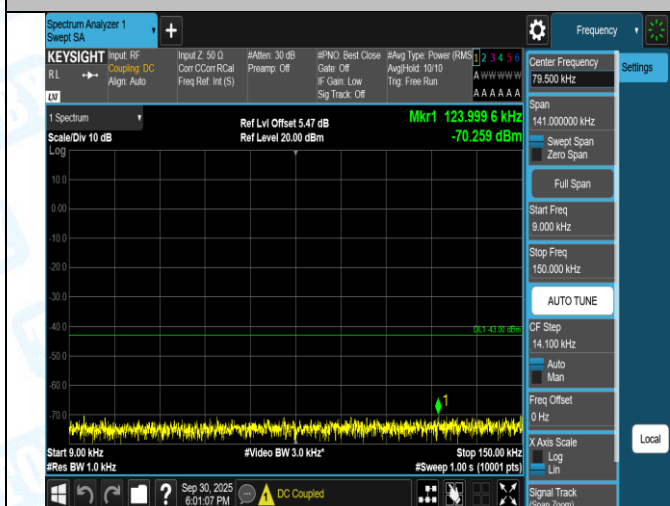
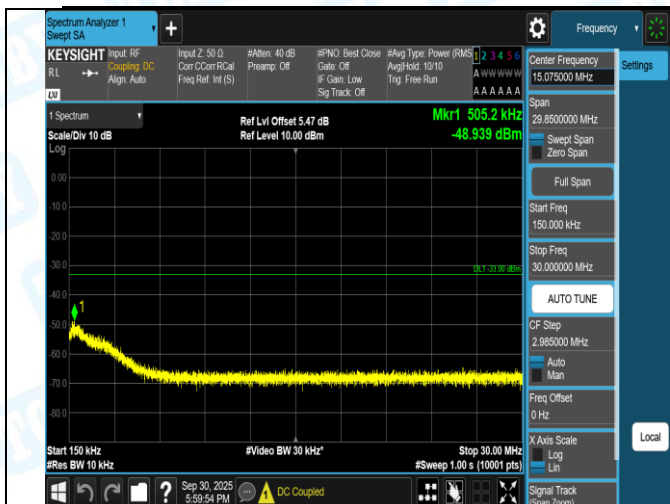


GSM1900-810-0-3000~18000MHz-PASS



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







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



6: Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GPRS850	128	VH	NT	9.36	0.011356	±2.5	PASS
GPRS850	128	VL	NT	9.01	0.010932	±2.5	PASS
GPRS850	128	VN	NT	13.24	0.016064	±2.5	PASS
GSM850	128	VH	NT	-1.26	-0.001529	±2.5	PASS
GSM850	128	VL	NT	6.33	0.007680	±2.5	PASS
GSM850	128	VN	NT	2.74	0.003324	±2.5	PASS
GPRS850	190	VH	NT	9.14	0.010925	±2.5	PASS
GPRS850	190	VL	NT	9.49	0.011344	±2.5	PASS
GPRS850	190	VN	NT	15.92	0.019029	±2.5	PASS
GSM850	190	VH	NT	6.81	0.008140	±2.5	PASS
GSM850	190	VL	NT	2.52	0.003012	±2.5	PASS
GSM850	190	VN	NT	9.56	0.011427	±2.5	PASS
GPRS850	251	VH	NT	7.33	0.008636	±2.5	PASS
GPRS850	251	VL	NT	9.36	0.011027	±2.5	PASS
GPRS850	251	VN	NT	10.04	0.011828	±2.5	PASS
GSM850	251	VH	NT	-0.48	-0.000566	±2.5	PASS
GSM850	251	VL	NT	3.36	0.003959	±2.5	PASS
GSM850	251	VN	NT	7.52	0.008860	±2.5	PASS
EGPRS850	128	VH	NT	4.68	0.005678	±2.5	PASS
EGPRS850	128	VL	NT	3.52	0.004271	±2.5	PASS
EGPRS850	128	VN	NT	4.84	0.005872	±2.5	PASS
EGPRS850	190	VH	NT	4.71	0.005630	±2.5	PASS
EGPRS850	190	VL	NT	2.55	0.003048	±2.5	PASS
EGPRS850	190	VN	NT	3.20	0.003825	±2.5	PASS
EGPRS850	251	VH	NT	2.58	0.003040	±2.5	PASS
EGPRS850	251	VL	NT	1.71	0.002015	±2.5	PASS
EGPRS850	251	VN	NT	5.49	0.006468	±2.5	PASS
GPRS1900	512	VH	NT	-90.00	-0.048643	±2.5	PASS
GPRS1900	512	VL	NT	50.00	0.027024	±2.5	PASS
GPRS1900	512	VN	NT	200.00	0.108096	±2.5	PASS
GSM1900	512	VH	NT	-540.00	-0.291860	±2.5	PASS
GSM1900	512	VL	NT	1360.00	0.735056	±2.5	PASS
GSM1900	512	VN	NT	-790.00	-0.426981	±2.5	PASS
GPRS1900	661	VH	NT	210.00	0.111702	±2.5	PASS
GPRS1900	661	VL	NT	220.00	0.117021	±2.5	PASS
GPRS1900	661	VN	NT	140.00	0.074468	±2.5	PASS
GSM1900	661	VH	NT	-220.00	-0.117021	±2.5	PASS

GSM1900	661	VL	NT	-110.00	-0.058511	±2.5	PASS
GSM1900	661	VN	NT	-580.00	-0.308511	±2.5	PASS
GPRS1900	810	VH	NT	-380.00	-0.198974	±2.5	PASS
GPRS1900	810	VL	NT	-200.00	-0.104723	±2.5	PASS
GPRS1900	810	VN	NT	-100.00	-0.052362	±2.5	PASS
GSM1900	810	VH	NT	-600.00	-0.314169	±2.5	PASS
GSM1900	810	VL	NT	50.00	0.026181	±2.5	PASS
GSM1900	810	VN	NT	-380.00	-0.198974	±2.5	PASS
EGPRS1900	512	VH	NT	-1.58	-0.000854	±2.5	PASS
EGPRS1900	512	VL	NT	-2.84	-0.001535	±2.5	PASS
EGPRS1900	512	VN	NT	2.87	0.001551	±2.5	PASS
EGPRS1900	661	VH	NT	6.62	0.003521	±2.5	PASS
EGPRS1900	661	VL	NT	-9.33	-0.004963	±2.5	PASS
EGPRS1900	661	VN	NT	11.07	0.005888	±2.5	PASS
EGPRS1900	810	VH	NT	-3.36	-0.001759	±2.5	PASS
EGPRS1900	810	VL	NT	4.33	0.002267	±2.5	PASS
EGPRS1900	810	VN	NT	-3.52	-0.001843	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GPRS850	128	NV	0	12.43	0.015081	±2.5	PASS
GPRS850	128	NV	10	9.91	0.012024	±2.5	PASS
GPRS850	128	NV	-10	11.07	0.013431	±2.5	PASS
GPRS850	128	NV	20	13.79	0.016731	±2.5	PASS
GPRS850	128	NV	-20	11.43	0.013868	±2.5	PASS
GPRS850	128	NV	30	9.20	0.011162	±2.5	PASS
GPRS850	128	NV	-30	12.04	0.014608	±2.5	PASS
GPRS850	128	NV	40	14.98	0.018175	±2.5	PASS
GPRS850	128	NV	50	11.33	0.013747	±2.5	PASS
GSM850	128	NV	0	3.91	0.004744	±2.5	PASS
GSM850	128	NV	10	5.46	0.006625	±2.5	PASS
GSM850	128	NV	-10	7.04	0.008542	±2.5	PASS
GSM850	128	NV	20	3.81	0.004623	±2.5	PASS
GSM850	128	NV	-20	10.27	0.012461	±2.5	PASS
GSM850	128	NV	30	4.36	0.005290	±2.5	PASS
GSM850	128	NV	-30	7.10	0.008614	±2.5	PASS
GSM850	128	NV	40	4.91	0.005957	±2.5	PASS
GSM850	128	NV	50	6.49	0.007874	±2.5	PASS
GPRS850	190	NV	0	14.50	0.017332	±2.5	PASS
GPRS850	190	NV	10	14.66	0.017523	±2.5	PASS
GPRS850	190	NV	-10	9.10	0.010877	±2.5	PASS
GPRS850	190	NV	20	12.88	0.015396	±2.5	PASS
GPRS850	190	NV	-20	12.11	0.014475	±2.5	PASS
GPRS850	190	NV	30	12.75	0.015240	±2.5	PASS
GPRS850	190	NV	-30	8.88	0.010614	±2.5	PASS
GPRS850	190	NV	40	12.24	0.014631	±2.5	PASS
GPRS850	190	NV	50	14.43	0.017248	±2.5	PASS
GSM850	190	NV	0	1.97	0.002355	±2.5	PASS
GSM850	190	NV	10	7.49	0.008953	±2.5	PASS
GSM850	190	NV	-10	3.20	0.003825	±2.5	PASS
GSM850	190	NV	20	7.20	0.008606	±2.5	PASS
GSM850	190	NV	-20	4.84	0.005785	±2.5	PASS
GSM850	190	NV	30	3.03	0.003622	±2.5	PASS
GSM850	190	NV	-30	7.55	0.009025	±2.5	PASS
GSM850	190	NV	40	0.16	0.000191	±2.5	PASS
GSM850	190	NV	50	5.68	0.006789	±2.5	PASS
GPRS850	251	NV	0	7.49	0.008824	±2.5	PASS
GPRS850	251	NV	10	8.75	0.010309	±2.5	PASS
GPRS850	251	NV	-10	7.72	0.009095	±2.5	PASS

GPRS850	251	NV	20	11.20	0.013195	±2.5	PASS
GPRS850	251	NV	-20	10.46	0.012323	±2.5	PASS
GPRS850	251	NV	30	8.52	0.010038	±2.5	PASS
GPRS850	251	NV	-30	6.07	0.007151	±2.5	PASS
GPRS850	251	NV	40	8.88	0.010462	±2.5	PASS
GPRS850	251	NV	50	14.59	0.017189	±2.5	PASS
GSM850	251	NV	0	3.87	0.004559	±2.5	PASS
GSM850	251	NV	10	-0.65	-0.000766	±2.5	PASS
GSM850	251	NV	-10	5.33	0.006279	±2.5	PASS
GSM850	251	NV	20	3.10	0.003652	±2.5	PASS
GSM850	251	NV	-20	3.91	0.004607	±2.5	PASS
GSM850	251	NV	30	3.23	0.003805	±2.5	PASS
GSM850	251	NV	-30	4.33	0.005101	±2.5	PASS
GSM850	251	NV	40	3.10	0.003652	±2.5	PASS
GSM850	251	NV	50	-2.45	-0.002886	±2.5	PASS
EGPRS850	128	NV	0	3.23	0.003919	±2.5	PASS
EGPRS850	128	NV	10	2.74	0.003324	±2.5	PASS
EGPRS850	128	NV	-10	1.42	0.001723	±2.5	PASS
EGPRS850	128	NV	20	-0.94	-0.001140	±2.5	PASS
EGPRS850	128	NV	-20	1.00	0.001213	±2.5	PASS
EGPRS850	128	NV	30	1.74	0.002111	±2.5	PASS
EGPRS850	128	NV	-30	1.94	0.002354	±2.5	PASS
EGPRS850	128	NV	40	1.23	0.001492	±2.5	PASS
EGPRS850	128	NV	50	0.77	0.000934	±2.5	PASS
EGPRS850	190	NV	0	9.56	0.011427	±2.5	PASS
EGPRS850	190	NV	10	0.10	0.000120	±2.5	PASS
EGPRS850	190	NV	-10	6.23	0.007447	±2.5	PASS
EGPRS850	190	NV	20	4.97	0.005941	±2.5	PASS
EGPRS850	190	NV	-20	4.29	0.005128	±2.5	PASS
EGPRS850	190	NV	30	2.68	0.003203	±2.5	PASS
EGPRS850	190	NV	-30	5.49	0.006562	±2.5	PASS
EGPRS850	190	NV	40	2.91	0.003478	±2.5	PASS
EGPRS850	190	NV	50	8.46	0.010112	±2.5	PASS
EGPRS850	251	NV	0	4.04	0.004760	±2.5	PASS
EGPRS850	251	NV	10	3.00	0.003534	±2.5	PASS
EGPRS850	251	NV	-10	1.07	0.001261	±2.5	PASS
EGPRS850	251	NV	20	4.75	0.005596	±2.5	PASS
EGPRS850	251	NV	-20	5.55	0.006539	±2.5	PASS
EGPRS850	251	NV	30	6.42	0.007564	±2.5	PASS
EGPRS850	251	NV	-30	3.33	0.003923	±2.5	PASS
EGPRS850	251	NV	40	2.20	0.002592	±2.5	PASS
EGPRS850	251	NV	50	2.07	0.002439	±2.5	PASS
GPRS1900	512	NV	0	370.00	0.199978	±2.5	PASS

GPRS1900	512	NV	10	-30.00	-0.016214	±2.5	PASS
GPRS1900	512	NV	-10	0.00	0.000000	±2.5	PASS
GPRS1900	512	NV	20	80.00	0.043239	±2.5	PASS
GPRS1900	512	NV	-20	30.00	0.016214	±2.5	PASS
GPRS1900	512	NV	30	-60.00	-0.032429	±2.5	PASS
GPRS1900	512	NV	-30	-40.00	-0.021619	±2.5	PASS
GPRS1900	512	NV	40	-160.00	-0.086477	±2.5	PASS
GPRS1900	512	NV	50	40.00	0.021619	±2.5	PASS
GSM1900	512	NV	0	280.00	0.151335	±2.5	PASS
GSM1900	512	NV	10	-700.00	-0.378337	±2.5	PASS
GSM1900	512	NV	-10	170.00	0.091882	±2.5	PASS
GSM1900	512	NV	20	310.00	0.167549	±2.5	PASS
GSM1900	512	NV	-20	-680.00	-0.367528	±2.5	PASS
GSM1900	512	NV	30	-420.00	-0.227002	±2.5	PASS
GSM1900	512	NV	-30	-250.00	-0.135121	±2.5	PASS
GSM1900	512	NV	40	1040.00	0.562101	±2.5	PASS
GSM1900	512	NV	50	-160.00	-0.086477	±2.5	PASS
GPRS1900	661	NV	0	260.00	0.138298	±2.5	PASS
GPRS1900	661	NV	10	330.00	0.175532	±2.5	PASS
GPRS1900	661	NV	-10	220.00	0.117021	±2.5	PASS
GPRS1900	661	NV	20	280.00	0.148936	±2.5	PASS
GPRS1900	661	NV	-20	540.00	0.287234	±2.5	PASS
GPRS1900	661	NV	30	130.00	0.069149	±2.5	PASS
GPRS1900	661	NV	-30	390.00	0.207447	±2.5	PASS
GPRS1900	661	NV	40	70.00	0.037234	±2.5	PASS
GPRS1900	661	NV	50	330.00	0.175532	±2.5	PASS
GSM1900	661	NV	0	340.00	0.180851	±2.5	PASS
GSM1900	661	NV	10	-120.00	-0.063830	±2.5	PASS
GSM1900	661	NV	-10	1240.00	0.659574	±2.5	PASS
GSM1900	661	NV	20	-10.00	-0.005319	±2.5	PASS
GSM1900	661	NV	-20	-350.00	-0.186170	±2.5	PASS
GSM1900	661	NV	30	-20.00	-0.010638	±2.5	PASS
GSM1900	661	NV	-30	260.00	0.138298	±2.5	PASS
GSM1900	661	NV	40	-290.00	-0.154255	±2.5	PASS
GSM1900	661	NV	50	930.00	0.494681	±2.5	PASS
GPRS1900	810	NV	0	-150.00	-0.078542	±2.5	PASS
GPRS1900	810	NV	10	-140.00	-0.073306	±2.5	PASS
GPRS1900	810	NV	-10	-520.00	-0.272280	±2.5	PASS
GPRS1900	810	NV	20	-30.00	-0.015708	±2.5	PASS
GPRS1900	810	NV	-20	40.00	0.020945	±2.5	PASS
GPRS1900	810	NV	30	60.00	0.031417	±2.5	PASS
GPRS1900	810	NV	-30	-100.00	-0.052362	±2.5	PASS
GPRS1900	810	NV	40	-330.00	-0.172793	±2.5	PASS

GPRS1900	810	NV	50	-350.00	-0.183265	±2.5	PASS
GSM1900	810	NV	0	-260.00	-0.136140	±2.5	PASS
GSM1900	810	NV	10	100.00	0.052362	±2.5	PASS
GSM1900	810	NV	-10	320.00	0.167557	±2.5	PASS
GSM1900	810	NV	20	-340.00	-0.178029	±2.5	PASS
GSM1900	810	NV	-20	-320.00	-0.167557	±2.5	PASS
GSM1900	810	NV	30	360.00	0.188501	±2.5	PASS
GSM1900	810	NV	-30	-410.00	-0.214682	±2.5	PASS
GSM1900	810	NV	40	-570.00	-0.298461	±2.5	PASS
GSM1900	810	NV	50	850.00	0.445073	±2.5	PASS
EGPRS1900	512	NV	0	-14.04	-0.007588	±2.5	PASS
EGPRS1900	512	NV	10	-10.91	-0.005897	±2.5	PASS
EGPRS1900	512	NV	-10	-0.68	-0.000368	±2.5	PASS
EGPRS1900	512	NV	20	1.90	0.001027	±2.5	PASS
EGPRS1900	512	NV	-20	-2.16	-0.001167	±2.5	PASS
EGPRS1900	512	NV	30	-2.68	-0.001448	±2.5	PASS
EGPRS1900	512	NV	-30	-7.68	-0.004151	±2.5	PASS
EGPRS1900	512	NV	40	5.00	0.002702	±2.5	PASS
EGPRS1900	512	NV	50	-0.97	-0.000524	±2.5	PASS
EGPRS1900	661	NV	0	8.20	0.004362	±2.5	PASS
EGPRS1900	661	NV	10	-0.84	-0.000447	±2.5	PASS
EGPRS1900	661	NV	-10	4.55	0.002420	±2.5	PASS
EGPRS1900	661	NV	20	9.98	0.005309	±2.5	PASS
EGPRS1900	661	NV	-20	6.59	0.003505	±2.5	PASS
EGPRS1900	661	NV	30	-6.62	-0.003521	±2.5	PASS
EGPRS1900	661	NV	-30	13.27	0.007059	±2.5	PASS
EGPRS1900	661	NV	40	25.05	0.013324	±2.5	PASS
EGPRS1900	661	NV	50	8.36	0.004447	±2.5	PASS
EGPRS1900	810	NV	0	0.77	0.000403	±2.5	PASS
EGPRS1900	810	NV	10	7.20	0.003770	±2.5	PASS
EGPRS1900	810	NV	-10	-0.13	-0.000068	±2.5	PASS
EGPRS1900	810	NV	20	12.33	0.006456	±2.5	PASS
EGPRS1900	810	NV	-20	2.55	0.001335	±2.5	PASS
EGPRS1900	810	NV	30	6.72	0.003519	±2.5	PASS
EGPRS1900	810	NV	-30	-7.04	-0.003686	±2.5	PASS
EGPRS1900	810	NV	40	4.94	0.002587	±2.5	PASS
EGPRS1900	810	NV	50	0.26	0.000136	±2.5	PASS

7: Modulation Characteristics

Test Result

Band	Channel	Result	Verdict
GPRS850	128	PASS	PASS
GSM850	128	PASS	PASS
GPRS850	190	PASS	PASS
GSM850	190	PASS	PASS
GPRS850	251	PASS	PASS
GSM850	251	PASS	PASS
EGPRS850	128	PASS	PASS
EGPRS850	190	PASS	PASS
EGPRS850	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
EGPRS1900	512	PASS	PASS
EGPRS1900	661	PASS	PASS
EGPRS1900	810	PASS	PASS

Test Graphs

