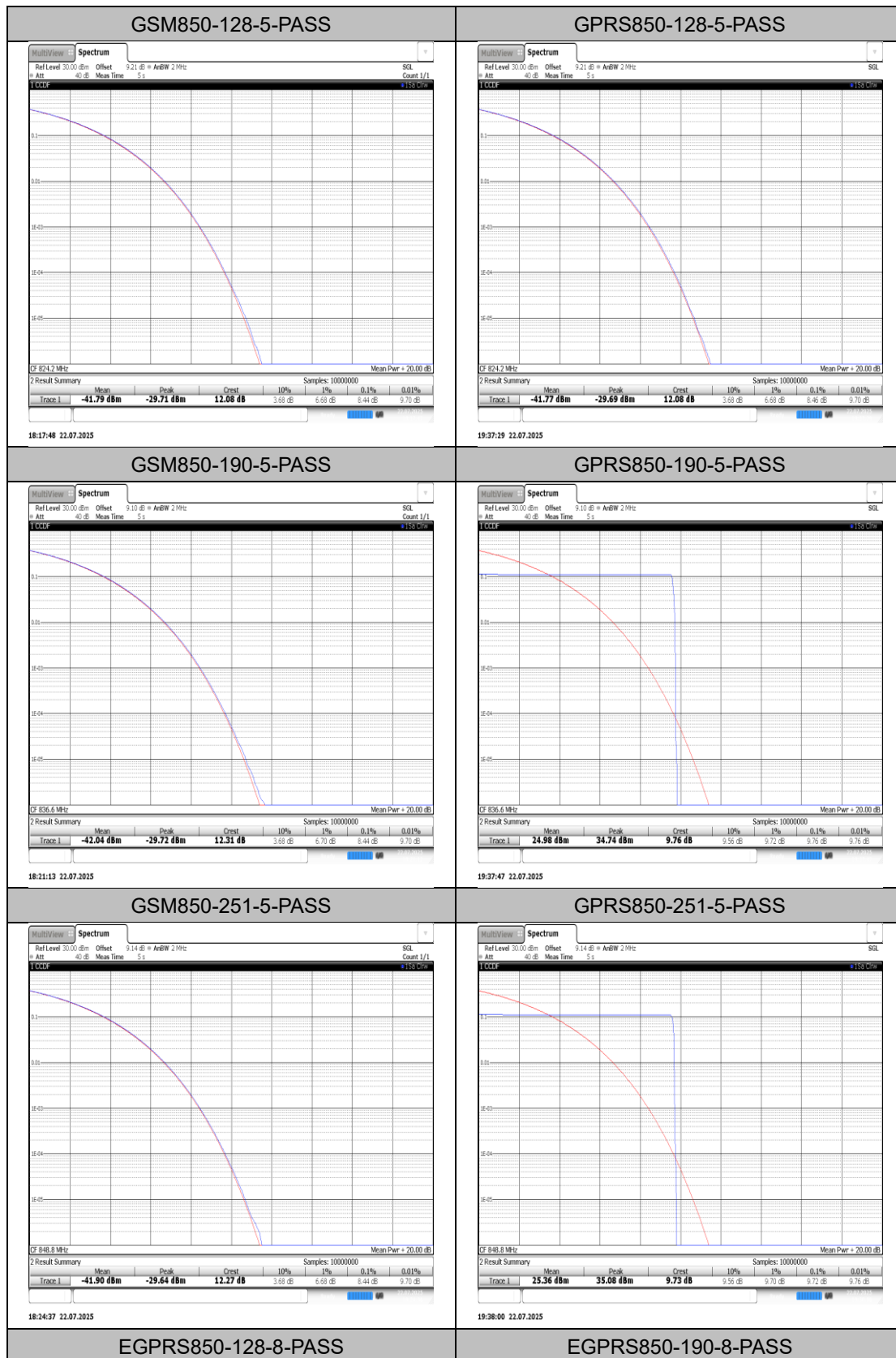


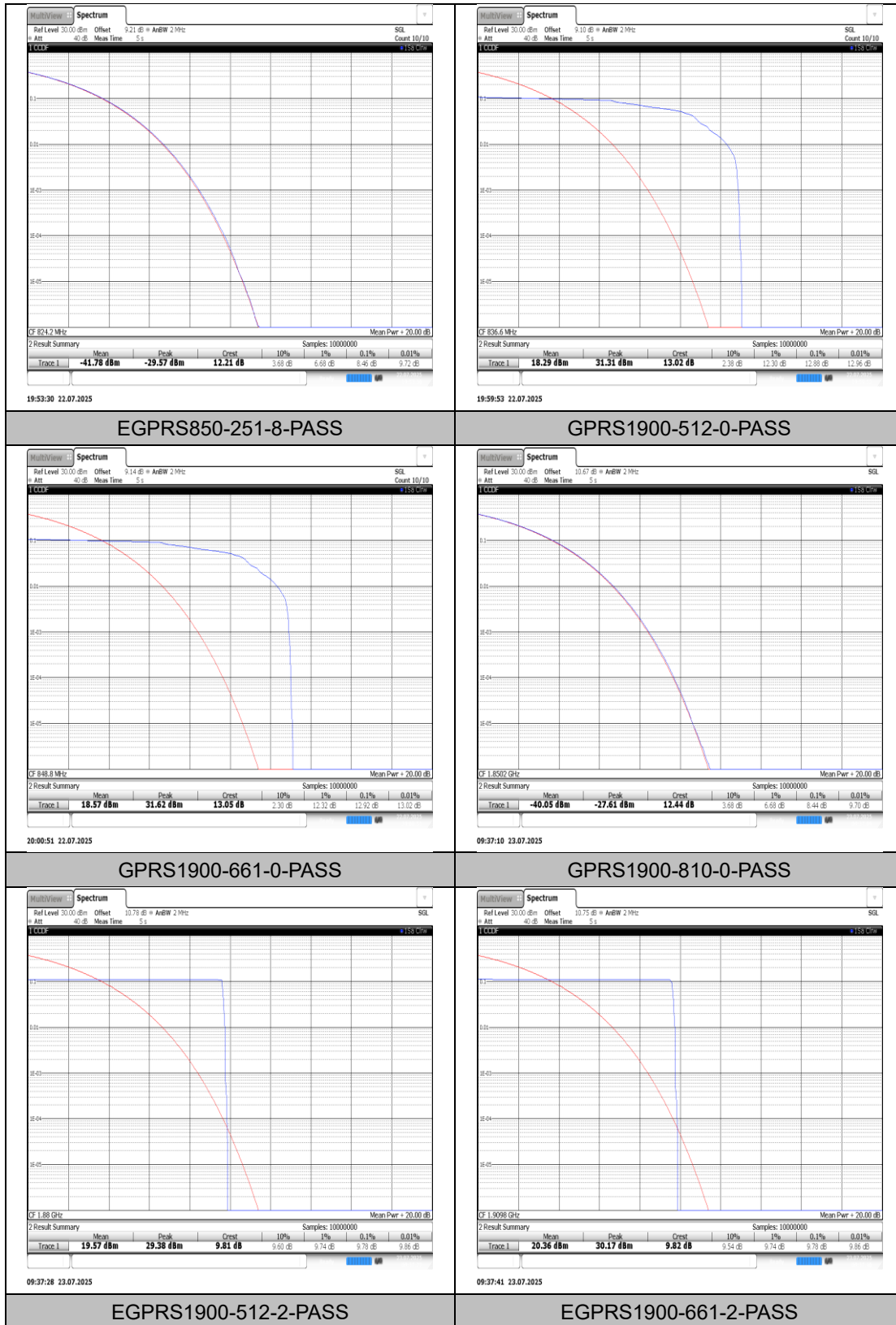
Appendix A: Peak-to-Average Ratio(CCDF)

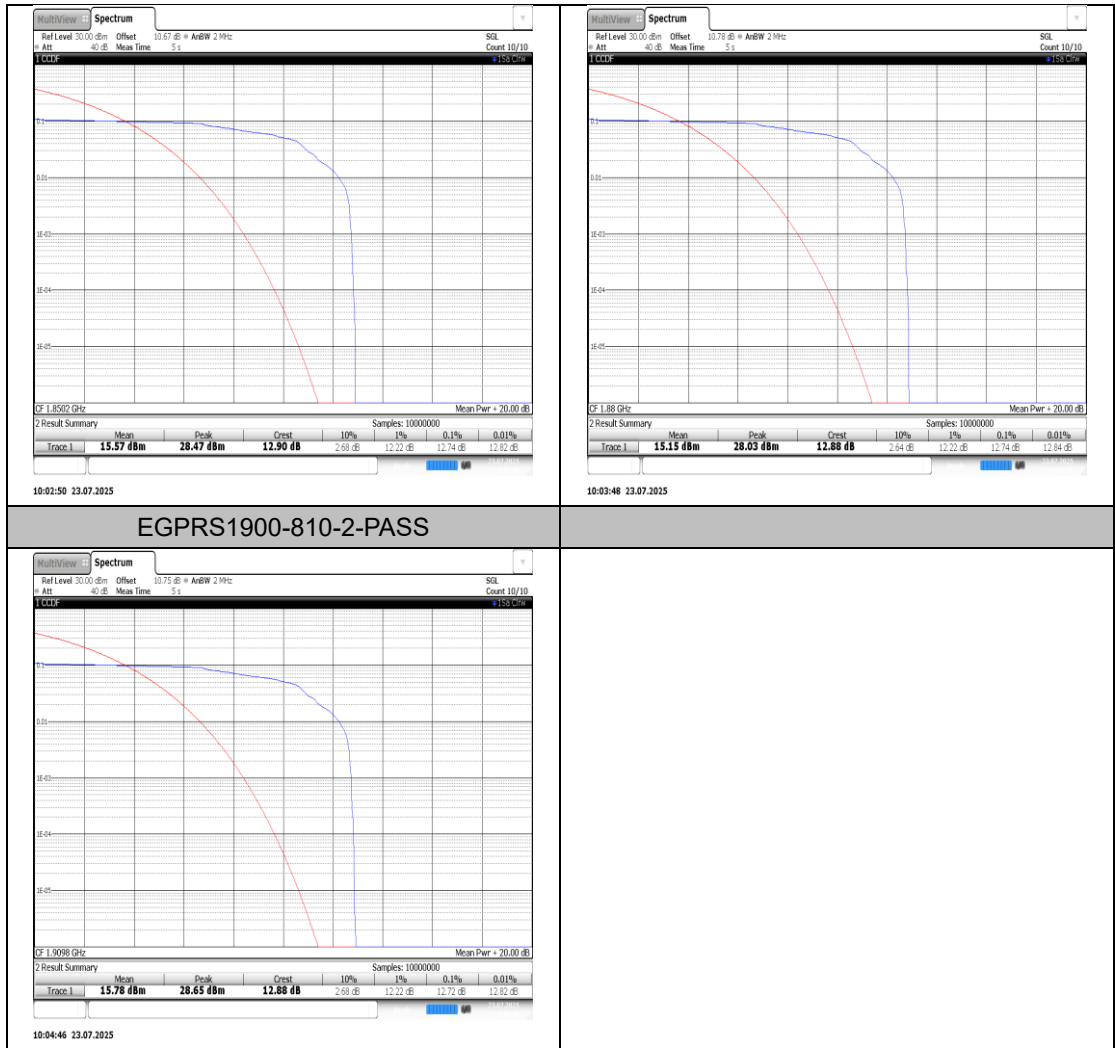
Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	128	8.44	13	PASS
GPRS850	128	8.46	13	PASS
GSM850	190	8.44	13	PASS
GPRS850	190	9.76	13	PASS
GSM850	251	8.44	13	PASS
GPRS850	251	9.72	13	PASS
EGPRS850	128	8.46	13	PASS
EGPRS850	190	12.88	13	PASS
EGPRS850	251	12.92	13	PASS
GPRS1900	512	8.44	13	PASS
GPRS1900	661	9.78	13	PASS
GPRS1900	810	9.78	13	PASS
EGPRS1900	512	12.74	13	PASS
EGPRS1900	661	12.74	13	PASS
EGPRS1900	810	12.72	13	PASS

Test Graphs





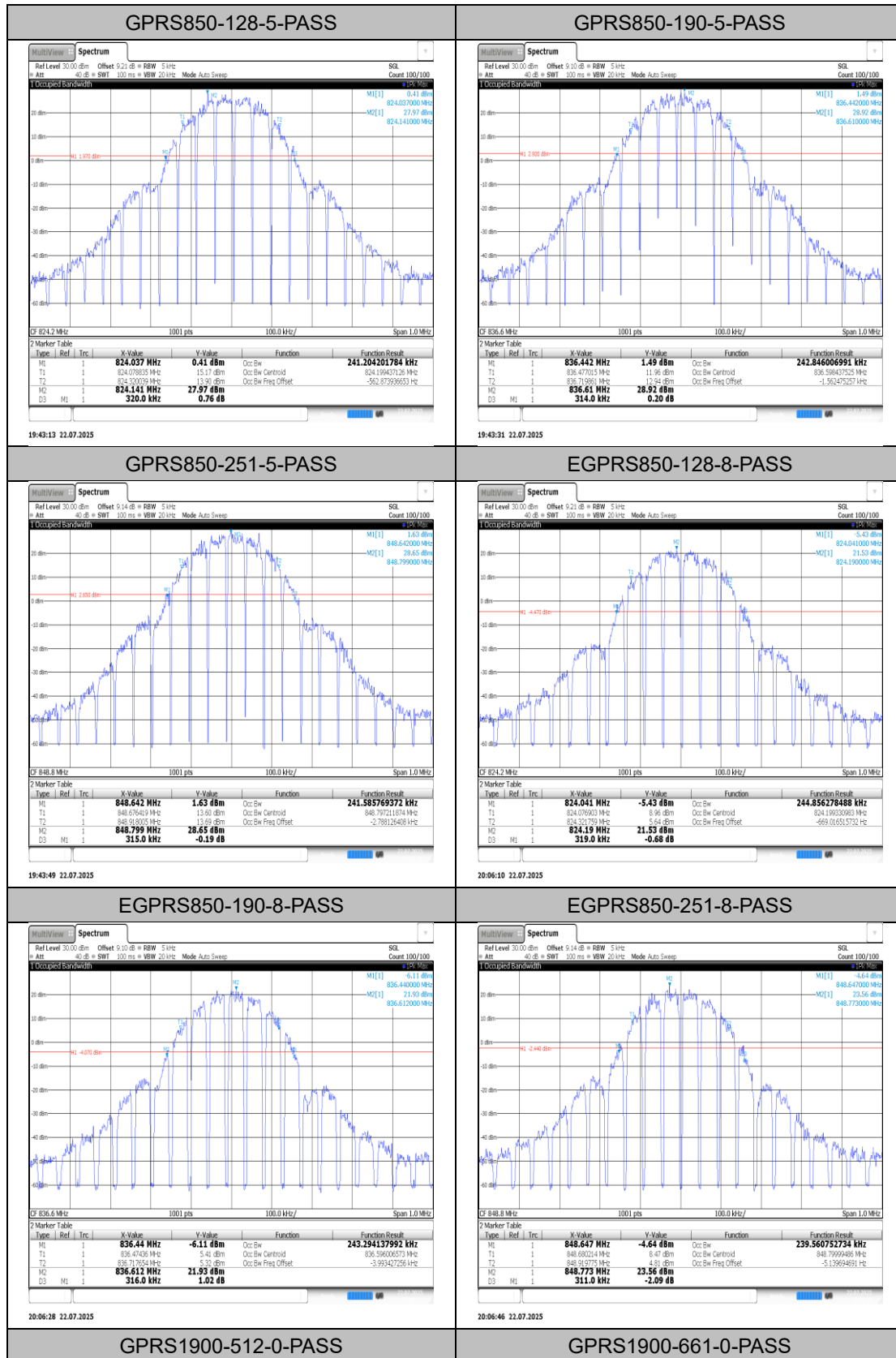


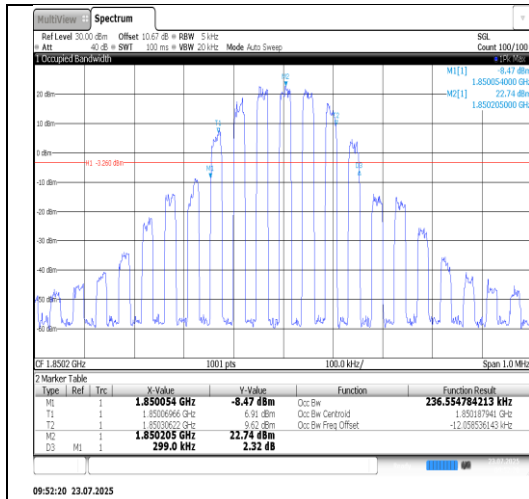
Appendix B: 26dB Bandwidth and Occupied Bandwidth

Test Result

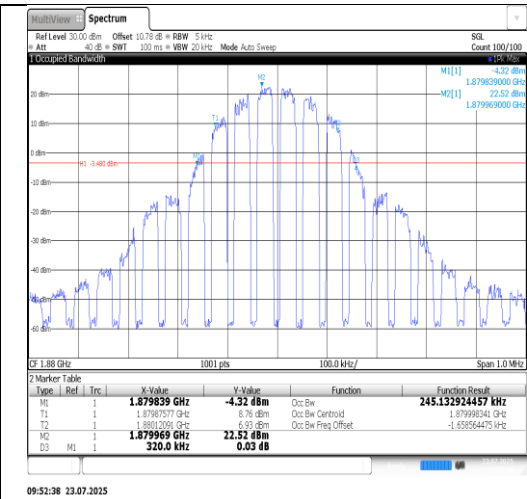
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GPRS850	128	0.241	0.32	---	PASS
GPRS850	190	0.243	0.31	---	PASS
GPRS850	251	0.242	0.32	---	PASS
EGPRS850	128	0.245	0.32	---	PASS
EGPRS850	190	0.243	0.32	---	PASS
EGPRS850	251	0.24	0.31	---	PASS
GPRS1900	512	0.237	0.30	---	PASS
GPRS1900	661	0.245	0.32	---	PASS
GPRS1900	810	0.239	0.31	---	PASS
EGPRS1900	512	0.24	0.30	---	PASS
EGPRS1900	661	0.243	0.30	---	PASS
EGPRS1900	810	0.246	0.32	---	PASS

Test Graphs

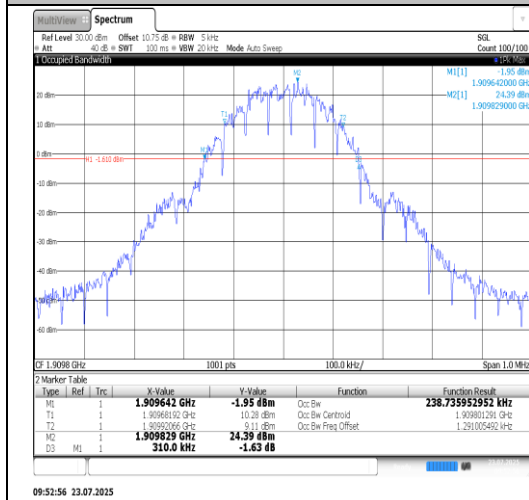




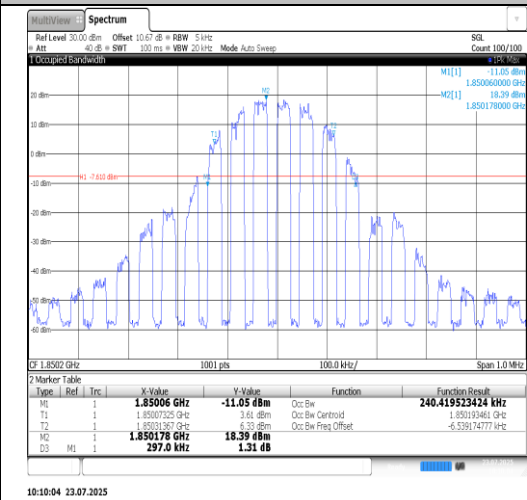
GPRS1900-810-0-PASS



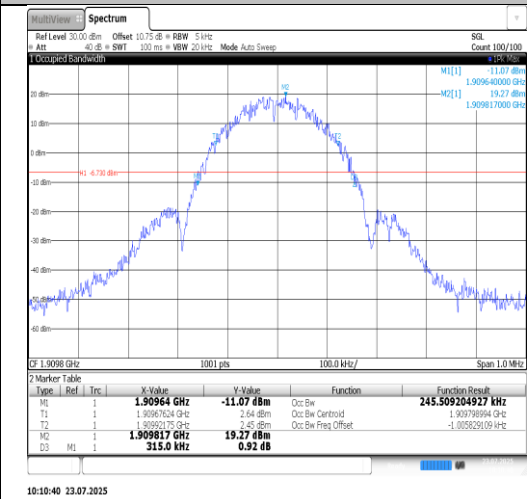
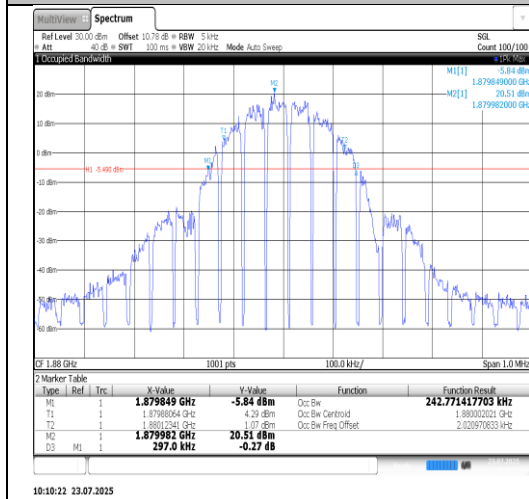
EGPRS1900-512-2-PASS



EGPRS1900-661-2-PASS



EGPRS1900-810-2-PASS

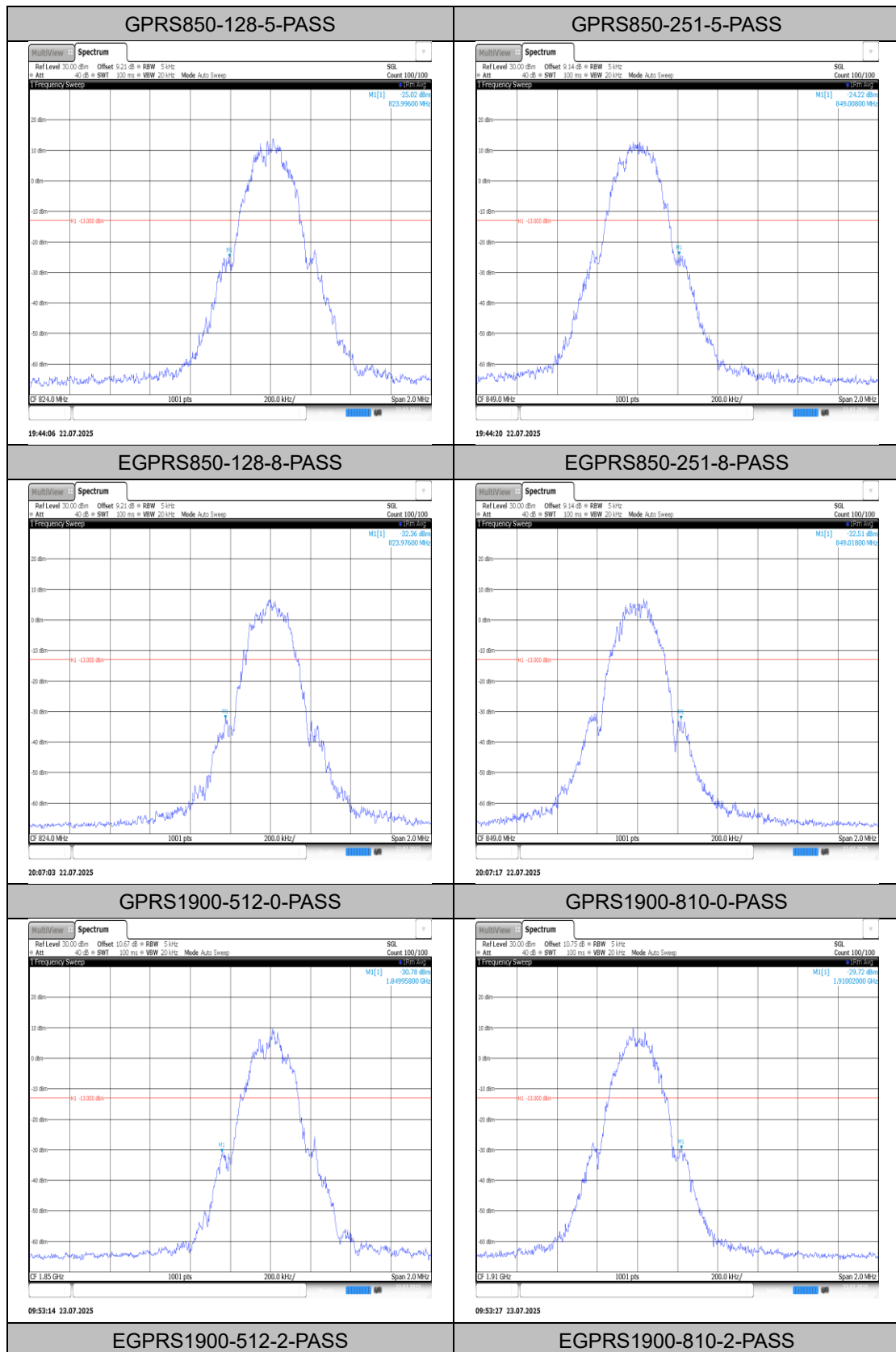


Appendix C: Band Edge

Test Result

Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GPRS850	128	824.00	-25.02	-13	PASS
GPRS850	251	849.01	-24.22	-13	PASS
EGPRS850	128	823.98	-32.36	-13	PASS
EGPRS850	251	849.02	-32.51	-13	PASS
GPRS1900	512	1849.96	-30.78	-13	PASS
GPRS1900	810	1910.02	-29.72	-13	PASS
EGPRS1900	512	1849.97	-33.40	-13	PASS
EGPRS1900	810	1910.01	-35.73	-13	PASS

Test Graphs

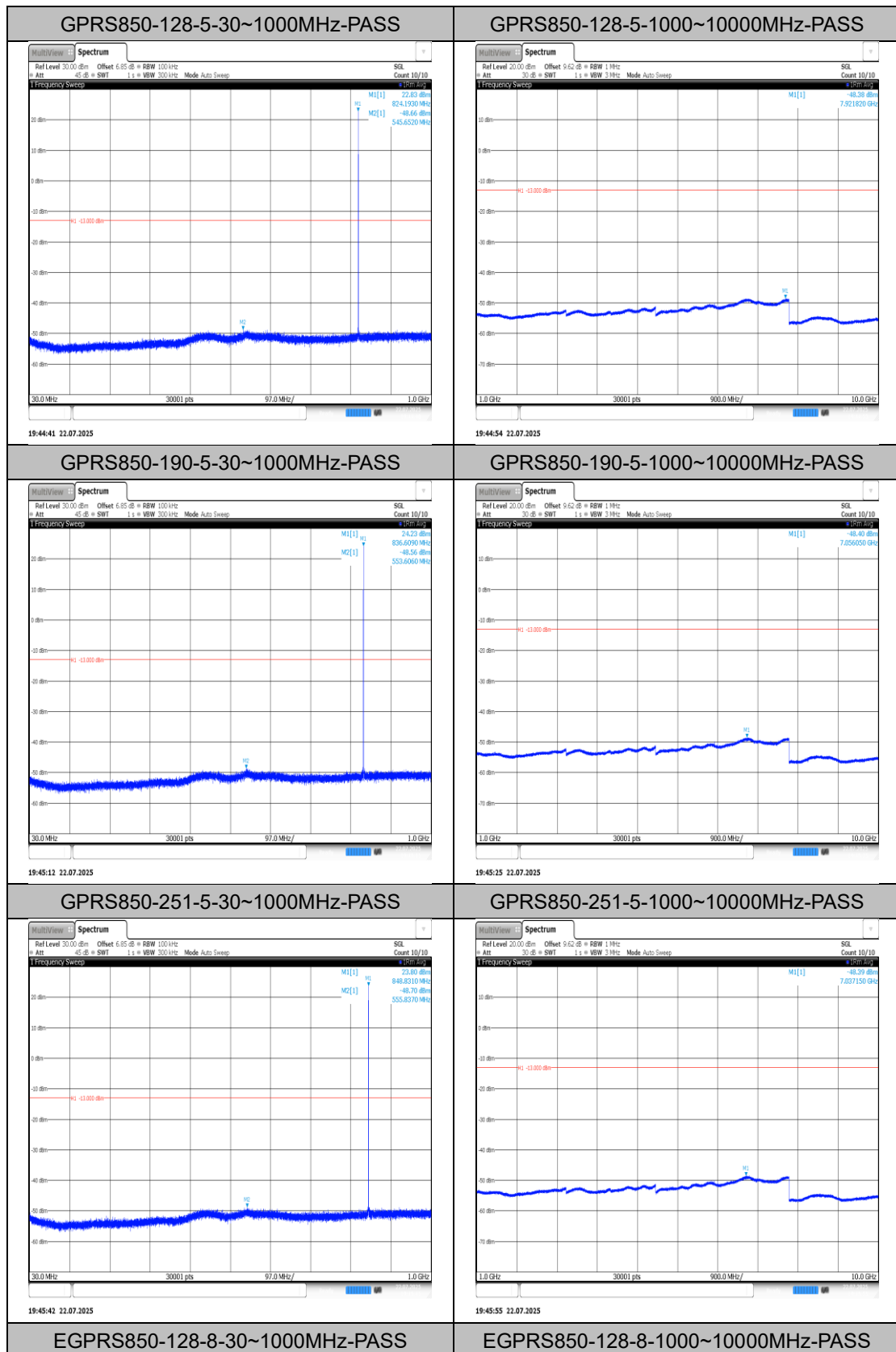


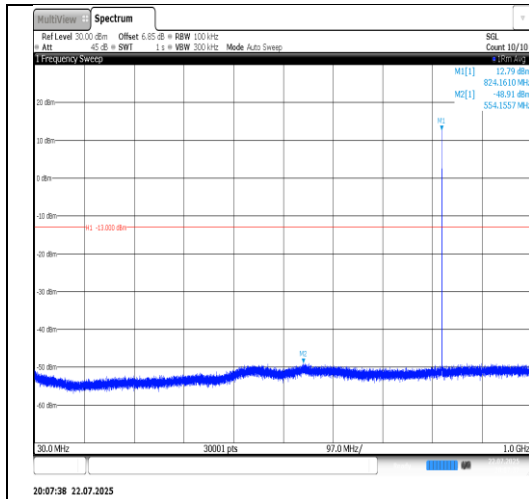
Appendix D: Conducted Spurious Emission

Test Result

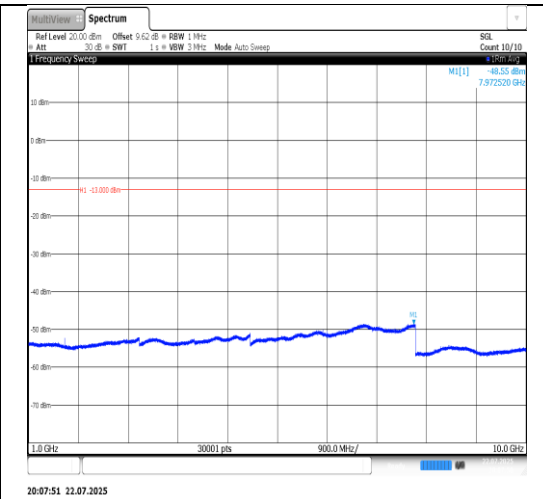
Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GPRS850	128	30~1000MHz	545.65	-48.66	-13	PASS
GPRS850	128	1000~10000MHz	7921.82	-48.38	-13	PASS
GPRS850	190	30~1000MHz	553.61	-48.56	-13	PASS
GPRS850	190	1000~10000MHz	7056.05	-48.4	-13	PASS
GPRS850	251	30~1000MHz	555.84	-48.7	-13	PASS
GPRS850	251	1000~10000MHz	7037.15	-48.39	-13	PASS
EGPRS850	128	30~1000MHz	554.16	-48.91	-13	PASS
EGPRS850	128	1000~10000MHz	7972.52	-48.55	-13	PASS
EGPRS850	190	30~1000MHz	468.34	-48.79	-13	PASS
EGPRS850	190	1000~10000MHz	7967.72	-48.52	-13	PASS
EGPRS850	251	30~1000MHz	537.92	-48.86	-13	PASS
EGPRS850	251	1000~10000MHz	1697.63	-48.4	-13	PASS
GPRS1900	512	30~1000MHz	556.22	-45.42	-13	PASS
GPRS1900	512	1000~3000MHz	2961.6	-37.05	-13	PASS
GPRS1900	512	3000~18000MHz	7960.08	-45.72	-13	PASS
GPRS1900	661	30~1000MHz	556.09	-45.35	-13	PASS
GPRS1900	661	1000~3000MHz	2983.6	-37.1	-13	PASS
GPRS1900	661	3000~18000MHz	7974.08	-45.56	-13	PASS
GPRS1900	810	30~1000MHz	555.55	-45.39	-13	PASS
GPRS1900	810	1000~3000MHz	2998.4	-36.89	-13	PASS
GPRS1900	810	3000~18000MHz	7091.61	-45.58	-13	PASS
EGPRS1900	512	30~1000MHz	554.09	-45.31	-13	PASS
EGPRS1900	512	1000~3000MHz	2983.2	-36.86	-13	PASS
EGPRS1900	512	3000~18000MHz	7927.59	-45.76	-13	PASS
EGPRS1900	661	30~1000MHz	555.03	-45.32	-13	PASS
EGPRS1900	661	1000~3000MHz	2972.33	-37.04	-13	PASS
EGPRS1900	661	3000~18000MHz	7936.09	-45.68	-13	PASS
EGPRS1900	810	30~1000MHz	555.06	-45.33	-13	PASS
EGPRS1900	810	1000~3000MHz	2998	-37.08	-13	PASS
EGPRS1900	810	3000~18000MHz	7938.09	-45.62	-13	PASS

Test Graphs

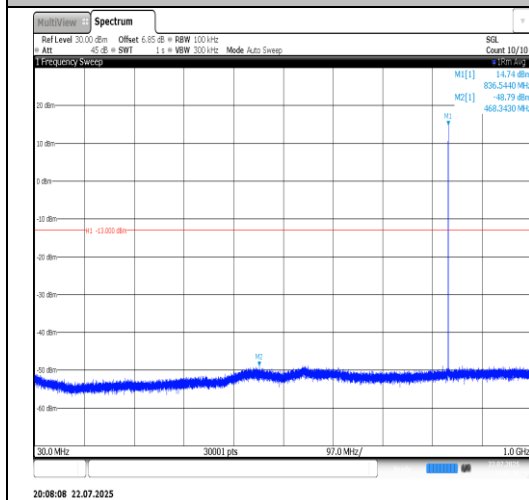




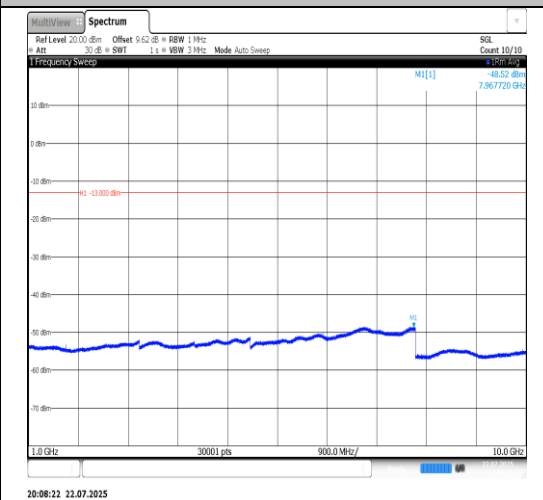
EGPRS850-190-8-30~1000MHz-PASS



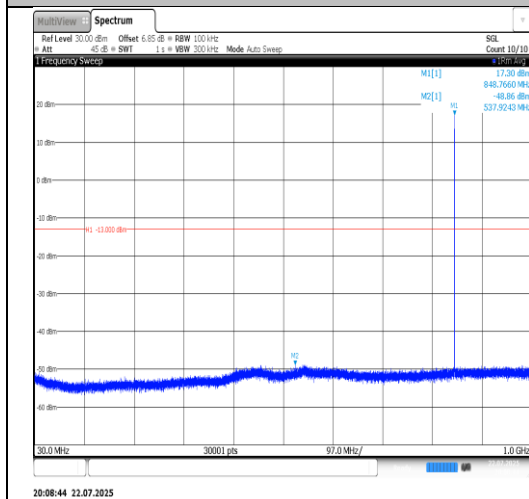
EGPRS850-190-8-1000~10000MHz-PASS



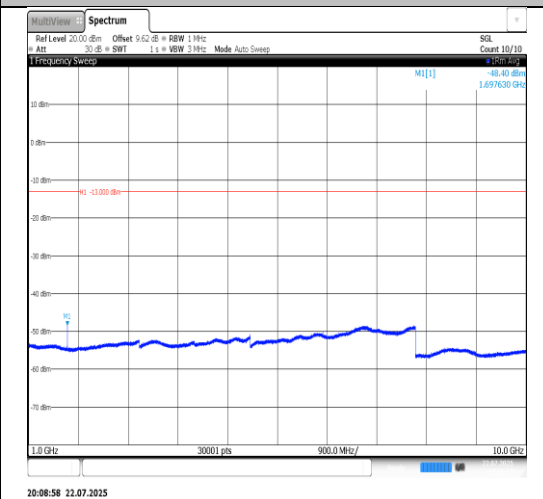
EGPRS850-251-8-30~1000MHz-PASS



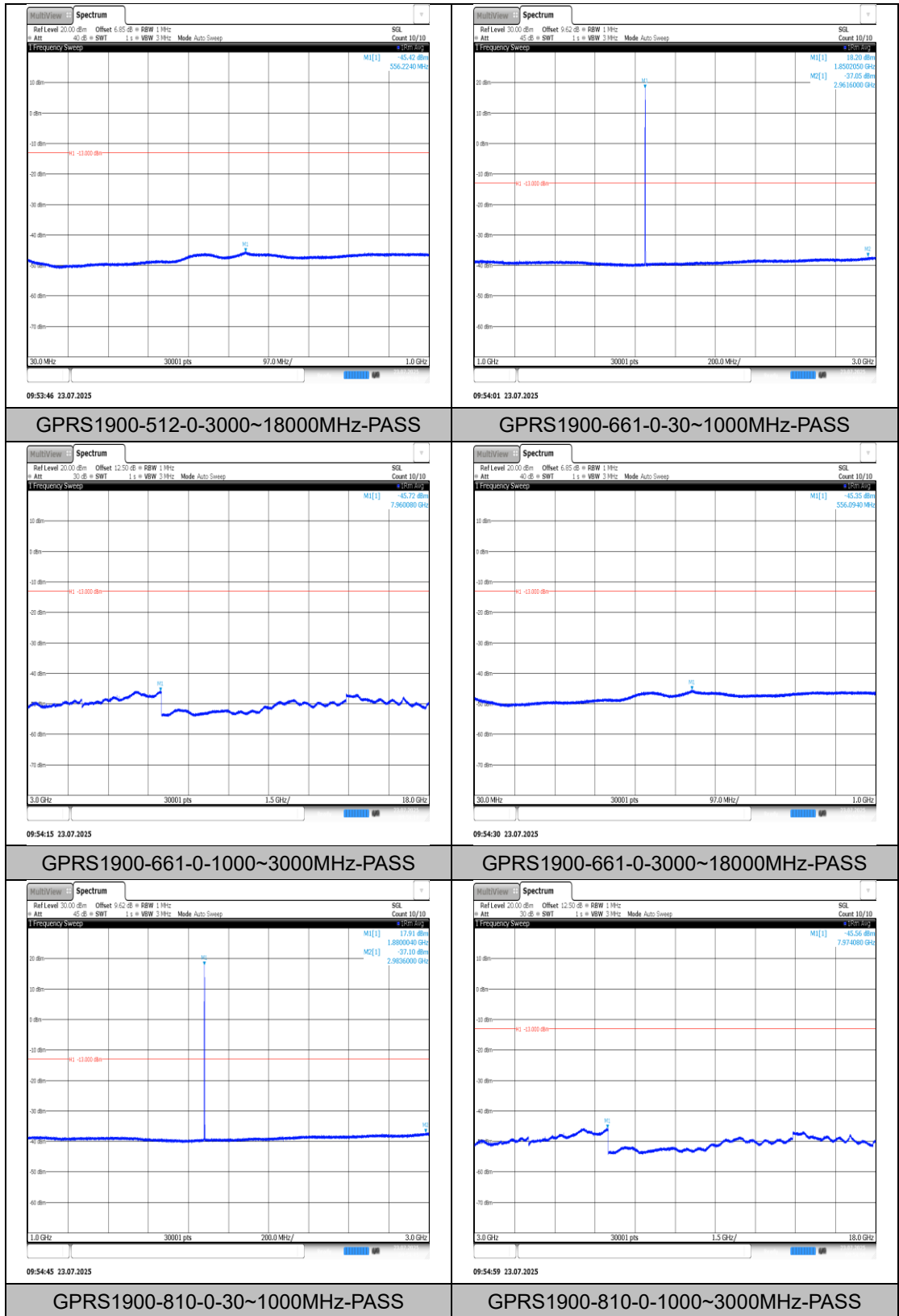
EGPRS850-251-8-1000~10000MHz-PASS

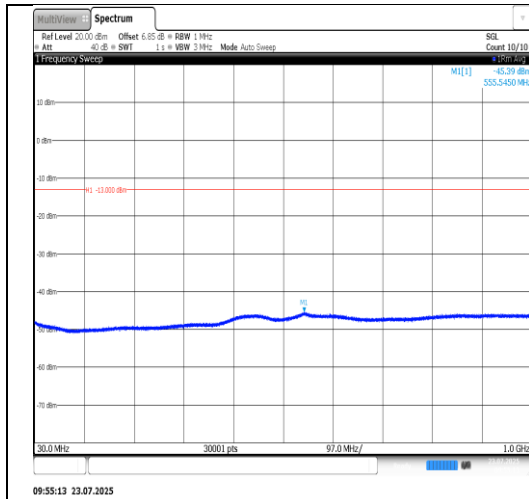


GPRS1900-512-0-30~1000MHz-PASS

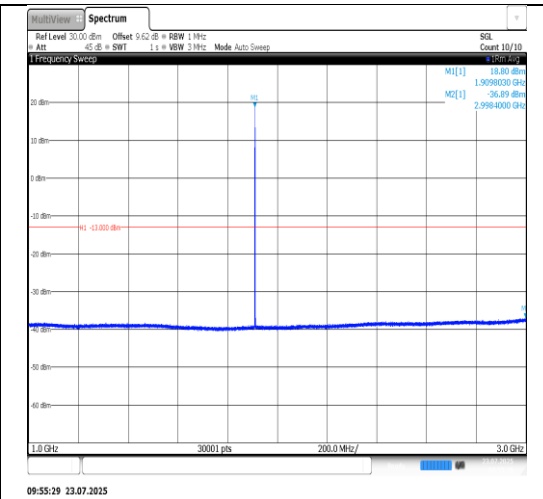


GPRS1900-512-0-1000~3000MHz-PASS

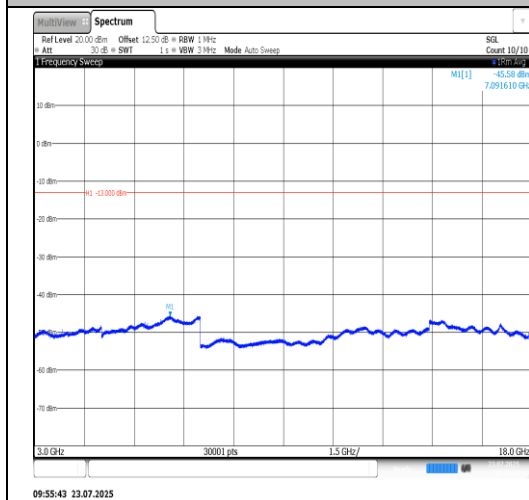




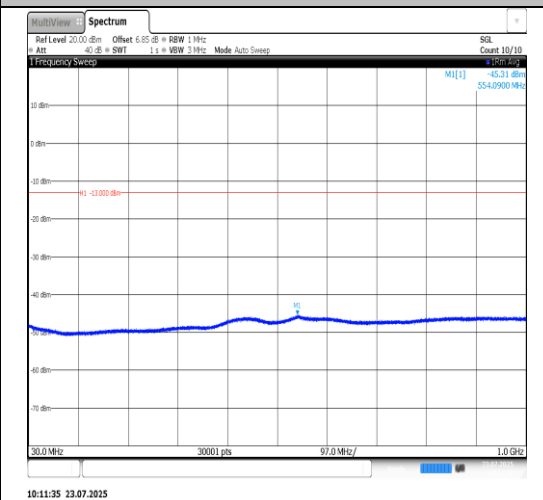
GPRS1900-810-0-3000~18000MHz-PASS



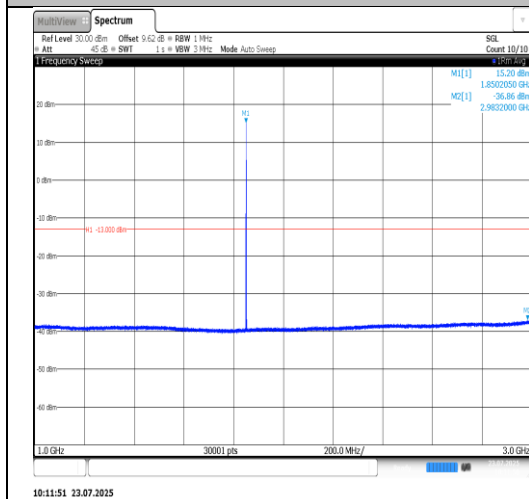
EGPRS1900-512-2-30~1000MHz-PASS



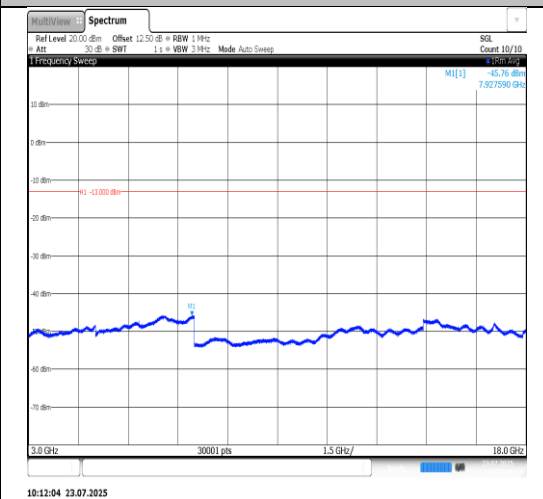
EGPRS1900-512-2-1000~3000MHz-PASS



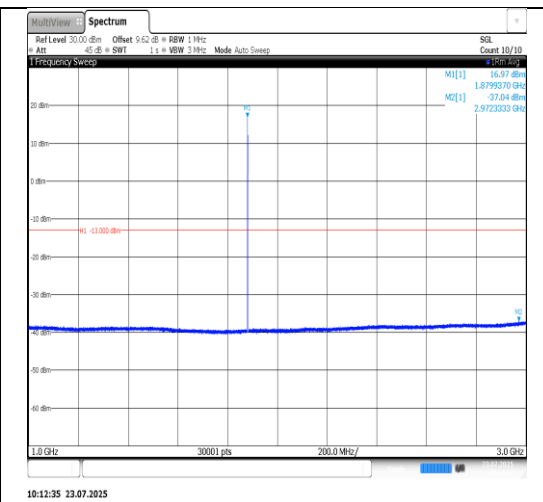
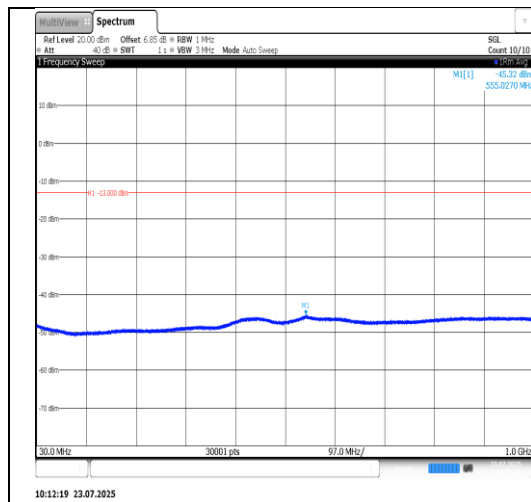
EGPRS1900-512-2-3000~18000MHz-PASS



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

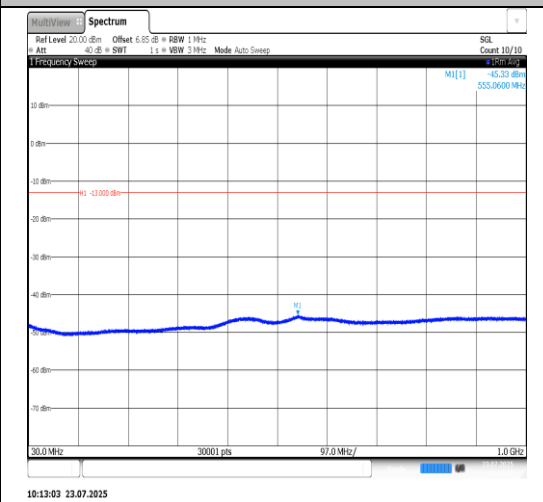
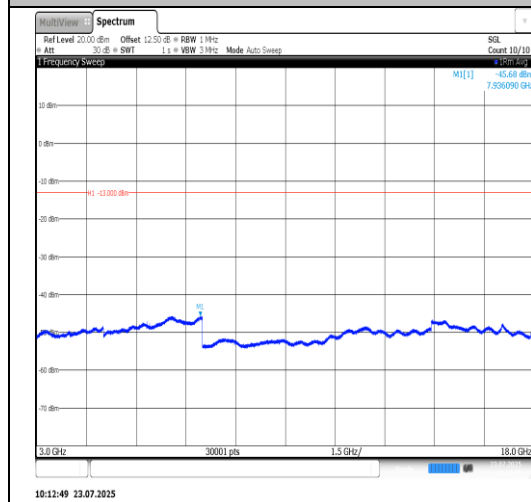


EGPRS1900-661-2-1000~3000MHz-PASS



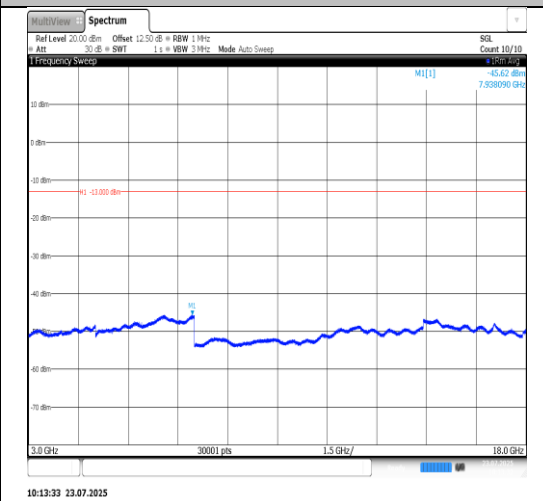
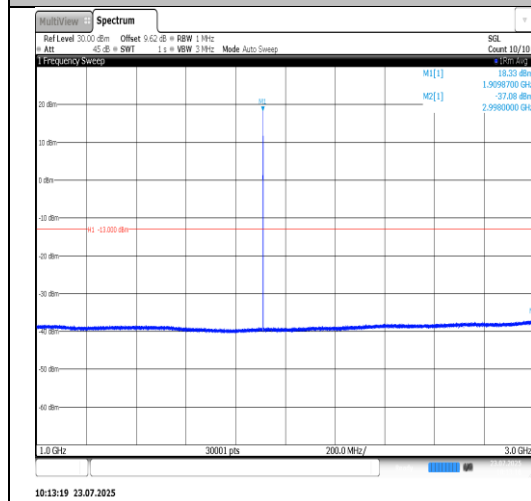
EGPRS1900-661-2-3000~18000MHz-PASS

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



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

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



Appendix E: Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	VN	NT	0.00	0.000000	±2.5	PASS
GSM850	128	VL	NT	0.00	0.000000	±2.5	PASS
GSM850	128	VH	NT	0.00	0.000000	±2.5	PASS
GPRS850	128	VN	NT	25.80	0.031303	±2.5	PASS
GPRS850	128	VL	NT	19.15	0.023235	±2.5	PASS
GPRS850	128	VH	NT	24.28	0.029459	±2.5	PASS
GPRS850	190	VN	NT	13.56	0.016208	±2.5	PASS
GPRS850	190	VL	NT	19.82	0.023691	±2.5	PASS
GPRS850	190	VH	NT	13.24	0.015826	±2.5	PASS
GPRS850	251	VN	NT	10.36	0.012205	±2.5	PASS
GPRS850	251	VL	NT	24.67	0.029065	±2.5	PASS
GPRS850	251	VH	NT	17.53	0.020653	±2.5	PASS
EGPRS850	128	VN	NT	24.89	0.030199	±2.5	PASS
EGPRS850	128	VL	NT	24.28	0.029459	±2.5	PASS
EGPRS850	128	VH	NT	23.96	0.029071	±2.5	PASS
EGPRS850	190	VN	NT	17.37	0.020763	±2.5	PASS
EGPRS850	190	VL	NT	24.21	0.028939	±2.5	PASS
EGPRS850	190	VH	NT	22.63	0.027050	±2.5	PASS
EGPRS850	251	VN	NT	19.11	0.022514	±2.5	PASS
EGPRS850	251	VL	NT	21.83	0.025719	±2.5	PASS
EGPRS850	251	VH	NT	19.69	0.023197	±2.5	PASS
GPRS1900	512	VN	NT	20.21	0.010923	±2.5	PASS
GPRS1900	512	VL	NT	20.44	0.011047	±2.5	PASS
GPRS1900	512	VH	NT	29.41	0.015896	±2.5	PASS
GPRS1900	661	VN	NT	27.28	0.014511	±2.5	PASS
GPRS1900	661	VL	NT	50.50	0.026862	±2.5	PASS
GPRS1900	661	VH	NT	43.62	0.023202	±2.5	PASS
GPRS1900	810	VN	NT	38.45	0.020133	±2.5	PASS
GPRS1900	810	VL	NT	22.92	0.012001	±2.5	PASS
GPRS1900	810	VH	NT	31.06	0.016263	±2.5	PASS
EGPRS1900	512	VN	NT	37.13	0.020068	±2.5	PASS
EGPRS1900	512	VL	NT	24.47	0.013226	±2.5	PASS
EGPRS1900	512	VH	NT	23.31	0.012599	±2.5	PASS

0							
EGPRS190 0	661	VN	NT	29.54	0.015713	±2.5	PASS
EGPRS190 0	661	VL	NT	19.98	0.010628	±2.5	PASS
EGPRS190 0	661	VH	NT	18.89	0.010048	±2.5	PASS
EGPRS190 0	810	VN	NT	21.05	0.011022	±2.5	PASS
EGPRS190 0	810	VL	NT	36.00	0.018850	±2.5	PASS
EGPRS190 0	810	VH	NT	21.08	0.011038	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GPRS850	128	NV	-30	23.15	0.028088	±2.5	PASS
GPRS850	128	NV	-20	20.99	0.025467	±2.5	PASS
GPRS850	128	NV	-10	22.34	0.027105	±2.5	PASS
GPRS850	128	NV	0	22.24	0.026984	±2.5	PASS
GPRS850	128	NV	10	18.02	0.021864	±2.5	PASS
GPRS850	128	NV	20	24.92	0.030235	±2.5	PASS
GPRS850	128	NV	30	18.66	0.022640	±2.5	PASS
GPRS850	128	NV	40	20.89	0.025346	±2.5	PASS
GPRS850	128	NV	50	20.08	0.024363	±2.5	PASS
GPRS850	190	NV	-30	23.02	0.027516	±2.5	PASS
GPRS850	190	NV	-20	14.33	0.017129	±2.5	PASS
GPRS850	190	NV	-10	14.43	0.017248	±2.5	PASS
GPRS850	190	NV	0	16.40	0.019603	±2.5	PASS
GPRS850	190	NV	10	20.89	0.024970	±2.5	PASS
GPRS850	190	NV	20	20.86	0.024934	±2.5	PASS
GPRS850	190	NV	30	20.28	0.024241	±2.5	PASS
GPRS850	190	NV	40	21.63	0.025855	±2.5	PASS
GPRS850	190	NV	50	20.18	0.024121	±2.5	PASS
GPRS850	251	NV	-30	21.86	0.025754	±2.5	PASS
GPRS850	251	NV	-20	20.57	0.024234	±2.5	PASS
GPRS850	251	NV	-10	17.34	0.020429	±2.5	PASS
GPRS850	251	NV	0	22.66	0.026697	±2.5	PASS
GPRS850	251	NV	10	21.86	0.025754	±2.5	PASS
GPRS850	251	NV	20	17.69	0.020841	±2.5	PASS
GPRS850	251	NV	30	20.66	0.024340	±2.5	PASS

GPRS850	251	NV	40	21.41	0.025224	±2.5	PASS
GPRS850	251	NV	50	20.08	0.023657	±2.5	PASS
EGPRS850	128	NV	-30	28.06	0.034045	±2.5	PASS
EGPRS850	128	NV	-20	28.09	0.034082	±2.5	PASS
EGPRS850	128	NV	-10	22.37	0.027141	±2.5	PASS
EGPRS850	128	NV	0	27.73	0.033645	±2.5	PASS
EGPRS850	128	NV	10	27.31	0.033135	±2.5	PASS
EGPRS850	128	NV	20	28.19	0.034203	±2.5	PASS
EGPRS850	128	NV	30	27.22	0.033026	±2.5	PASS
EGPRS850	128	NV	40	23.92	0.029022	±2.5	PASS
EGPRS850	128	NV	50	26.41	0.032043	±2.5	PASS
EGPRS850	190	NV	-30	24.89	0.029751	±2.5	PASS
EGPRS850	190	NV	-20	22.31	0.026667	±2.5	PASS
EGPRS850	190	NV	-10	22.28	0.026632	±2.5	PASS
EGPRS850	190	NV	0	21.63	0.025855	±2.5	PASS
EGPRS850	190	NV	10	18.34	0.021922	±2.5	PASS
EGPRS850	190	NV	20	19.82	0.023691	±2.5	PASS
EGPRS850	190	NV	30	18.34	0.021922	±2.5	PASS
EGPRS850	190	NV	40	21.73	0.025974	±2.5	PASS
EGPRS850	190	NV	50	17.05	0.020380	±2.5	PASS
EGPRS850	251	NV	-30	24.57	0.028947	±2.5	PASS
EGPRS850	251	NV	-20	20.08	0.023657	±2.5	PASS
EGPRS850	251	NV	-10	25.51	0.030054	±2.5	PASS
EGPRS850	251	NV	0	26.09	0.030738	±2.5	PASS
EGPRS850	251	NV	10	22.66	0.026697	±2.5	PASS
EGPRS850	251	NV	20	22.83	0.026897	±2.5	PASS
EGPRS850	251	NV	30	21.60	0.025448	±2.5	PASS
EGPRS850	251	NV	40	23.83	0.028075	±2.5	PASS
EGPRS850	251	NV	50	21.60	0.025448	±2.5	PASS
GPRS1900	512	NV	-30	20.82	0.011253	±2.5	PASS
GPRS1900	512	NV	-20	24.83	0.013420	±2.5	PASS
GPRS1900	512	NV	-10	22.54	0.012182	±2.5	PASS
GPRS1900	512	NV	0	38.19	0.020641	±2.5	PASS
GPRS1900	512	NV	10	21.79	0.011777	±2.5	PASS
GPRS1900	512	NV	20	31.58	0.017068	±2.5	PASS
GPRS1900	512	NV	30	22.89	0.012372	±2.5	PASS
GPRS1900	512	NV	40	29.41	0.015896	±2.5	PASS
GPRS1900	512	NV	50	38.32	0.020711	±2.5	PASS
GPRS1900	661	NV	-30	36.35	0.019335	±2.5	PASS
GPRS1900	661	NV	-20	43.17	0.022963	±2.5	PASS
GPRS1900	661	NV	-10	45.88	0.024404	±2.5	PASS

GPRS1900	661	NV	0	37.26	0.019819	±2.5	PASS
GPRS1900	661	NV	10	37.58	0.019989	±2.5	PASS
GPRS1900	661	NV	20	44.62	0.023734	±2.5	PASS
GPRS1900	661	NV	30	39.42	0.020968	±2.5	PASS
GPRS1900	661	NV	40	48.01	0.025537	±2.5	PASS
GPRS1900	661	NV	50	33.22	0.017670	±2.5	PASS
GPRS1900	810	NV	-30	31.25	0.016363	±2.5	PASS
GPRS1900	810	NV	-20	23.57	0.012342	±2.5	PASS
GPRS1900	810	NV	-10	22.15	0.011598	±2.5	PASS
GPRS1900	810	NV	0	15.95	0.008352	±2.5	PASS
GPRS1900	810	NV	10	16.21	0.008488	±2.5	PASS
GPRS1900	810	NV	20	21.57	0.011294	±2.5	PASS
GPRS1900	810	NV	30	32.22	0.016871	±2.5	PASS
GPRS1900	810	NV	40	32.29	0.016908	±2.5	PASS
GPRS1900	810	NV	50	29.12	0.015248	±2.5	PASS
EGPRS1900	512	NV	-30	23.67	0.012793	±2.5	PASS
EGPRS1900	512	NV	-20	35.26	0.019057	±2.5	PASS
EGPRS1900	512	NV	-10	21.92	0.011847	±2.5	PASS
EGPRS1900	512	NV	0	34.19	0.018479	±2.5	PASS
EGPRS1900	512	NV	10	26.76	0.014463	±2.5	PASS
EGPRS1900	512	NV	20	32.54	0.017587	±2.5	PASS
EGPRS1900	512	NV	30	36.55	0.019755	±2.5	PASS
EGPRS1900	512	NV	40	33.90	0.018322	±2.5	PASS
EGPRS1900	512	NV	50	28.35	0.015323	±2.5	PASS
EGPRS1900	661	NV	-30	11.20	0.005957	±2.5	PASS
EGPRS1900	661	NV	-20	23.99	0.012761	±2.5	PASS
EGPRS1900	661	NV	-10	20.76	0.011043	±2.5	PASS
EGPRS1900	661	NV	0	22.05	0.011729	±2.5	PASS
EGPRS1900	661	NV	10	25.41	0.013516	±2.5	PASS

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EGPRS190 0	661	NV	20	10.72	0.005702	±2.5	PASS
EGPRS190 0	661	NV	30	22.24	0.011830	±2.5	PASS
EGPRS190 0	661	NV	40	13.17	0.007005	±2.5	PASS
EGPRS190 0	661	NV	50	26.51	0.014101	±2.5	PASS
EGPRS190 0	810	NV	-30	27.93	0.014625	±2.5	PASS
EGPRS190 0	810	NV	-20	22.66	0.011865	±2.5	PASS
EGPRS190 0	810	NV	-10	22.73	0.011902	±2.5	PASS
EGPRS190 0	810	NV	0	26.76	0.014012	±2.5	PASS
EGPRS190 0	810	NV	10	20.02	0.010483	±2.5	PASS
EGPRS190 0	810	NV	20	30.48	0.015960	±2.5	PASS
EGPRS190 0	810	NV	30	27.77	0.014541	±2.5	PASS
EGPRS190 0	810	NV	40	25.93	0.013577	±2.5	PASS
EGPRS190 0	810	NV	50	24.96	0.013069	±2.5	PASS