

Appendix Test Data

Report No:	1812C40178312503	Test Sample NO:	1-2-2
Start Test Date:	2024.12.16	Finish Test Date:	2024.12.30
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	24.3℃	Relative Humidity:	56%
Pressure:	101 kPa		

Appendix A: Conducted Output Power

Test Result

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
GSM1900	512	29.34	33	PASS
GSM1900	661	29.20	33	PASS
GSM1900	810	28.65	33	PASS

Band	Channel	Up Slot Num	Power(dBm)	Limit(dBm)	Verdict
GPRS1900	512	1	29.37	33	PASS
GPRS1900	512	2	28.41	33	PASS
GPRS1900	512	3	26.55	33	PASS
GPRS1900	512	4	25.67	33	PASS
GPRS1900	661	1	29.26	33	PASS
GPRS1900	661	2	28.35	33	PASS
GPRS1900	661	3	26.50	33	PASS
GPRS1900	661	4	25.62	33	PASS
GPRS1900	810	1	28.77	33	PASS
GPRS1900	810	2	27.81	33	PASS
GPRS1900	810	3	25.92	33	PASS
GPRS1900	810	4	25.02	33	PASS



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

Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM1900	512	2.65	13	PASS
GPRS1900	512	2.67	13	PASS
GSM1900	661	2.65	13	PASS
GPRS1900	661	2.65	13	PASS
GSM1900	810	2.69	13	PASS
GPRS1900	810	2.67	13	PASS

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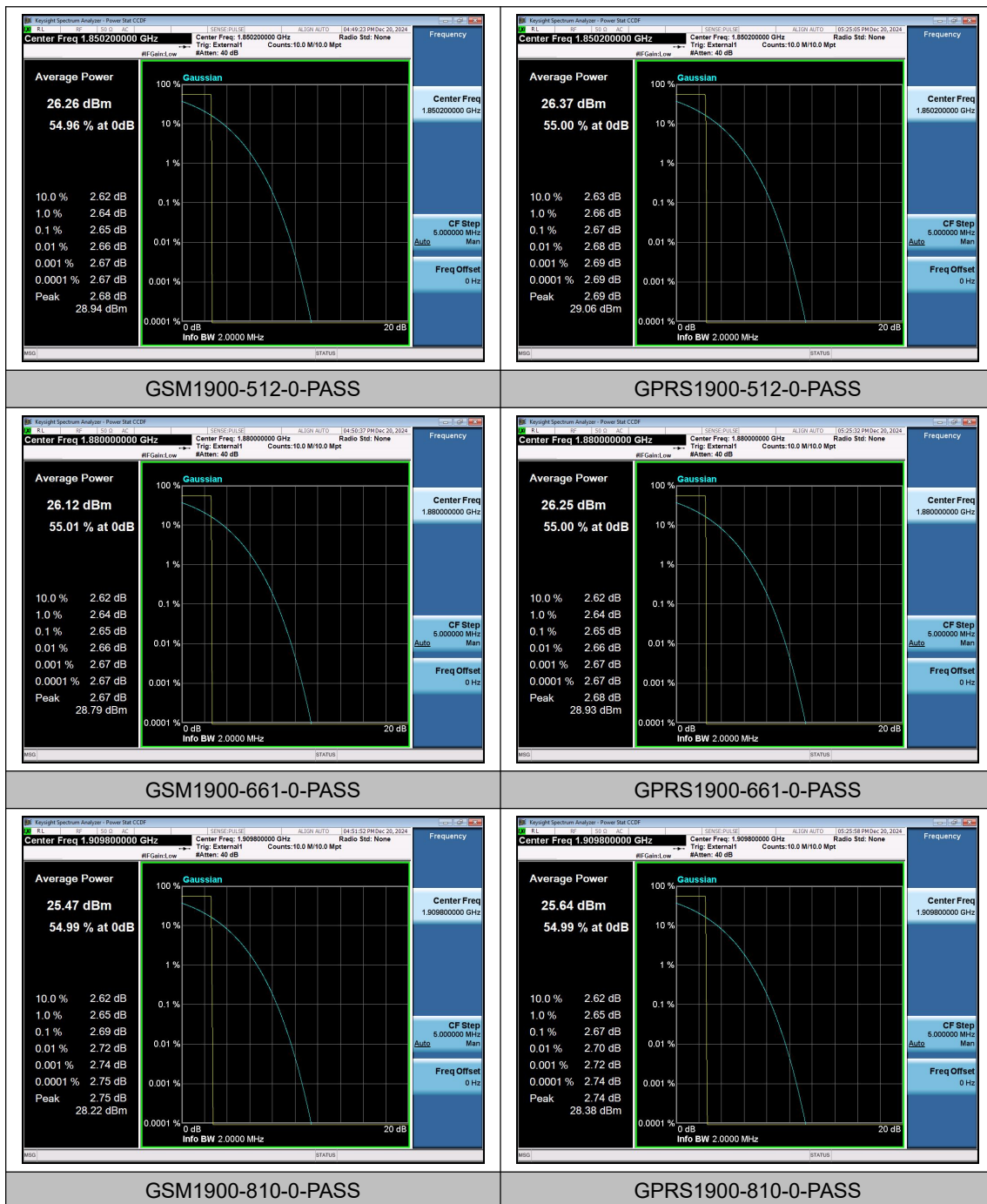
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Test Graphs



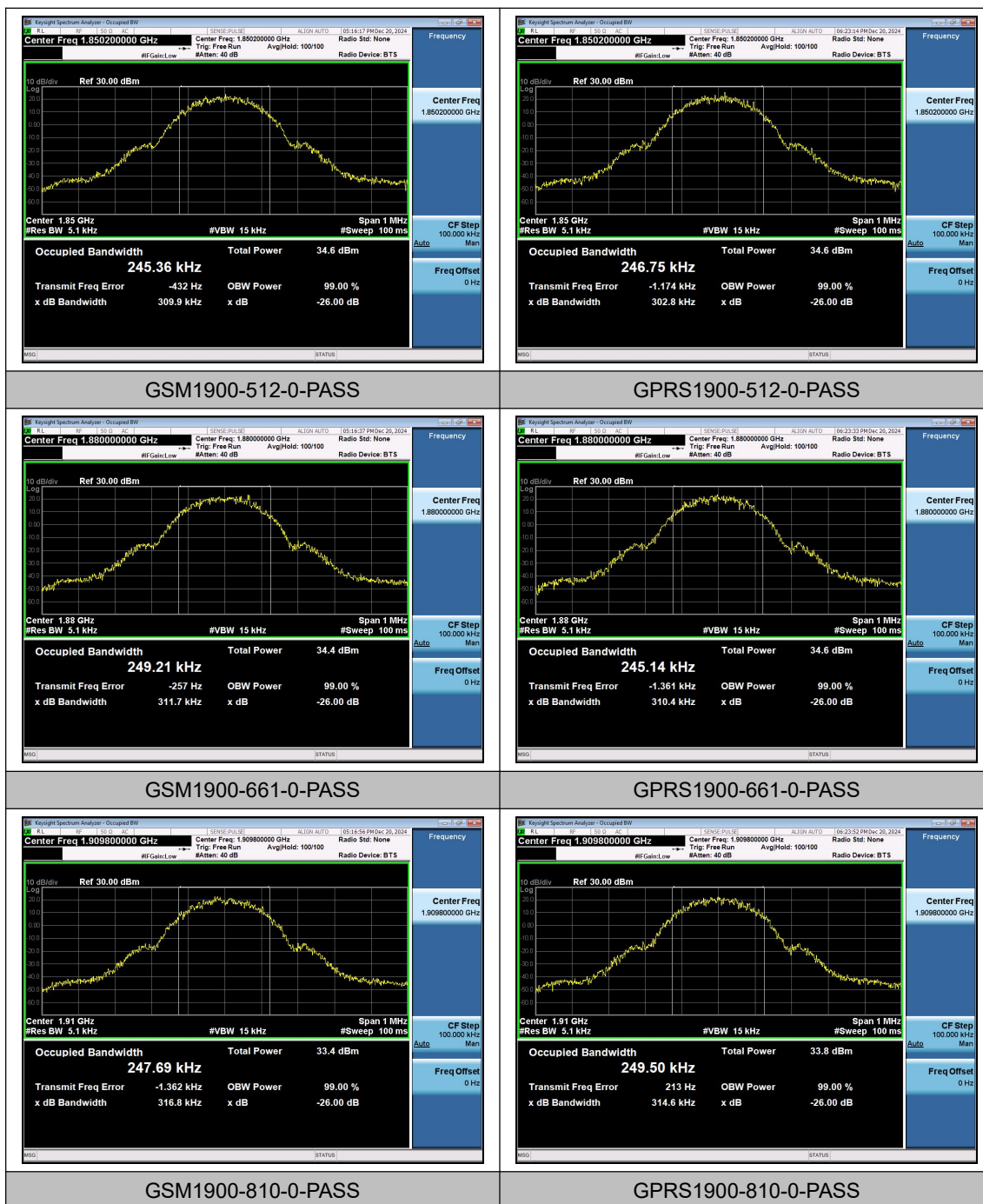
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM1900	512	0.24536	0.3099	---	PASS
GPRS1900	512	0.24675	0.3028	---	PASS
GSM1900	661	0.24921	0.3117	---	PASS
GPRS1900	661	0.24514	0.3104	---	PASS
GSM1900	810	0.24769	0.3168	---	PASS
GPRS1900	810	0.24950	0.3146	---	PASS



Test Graphs

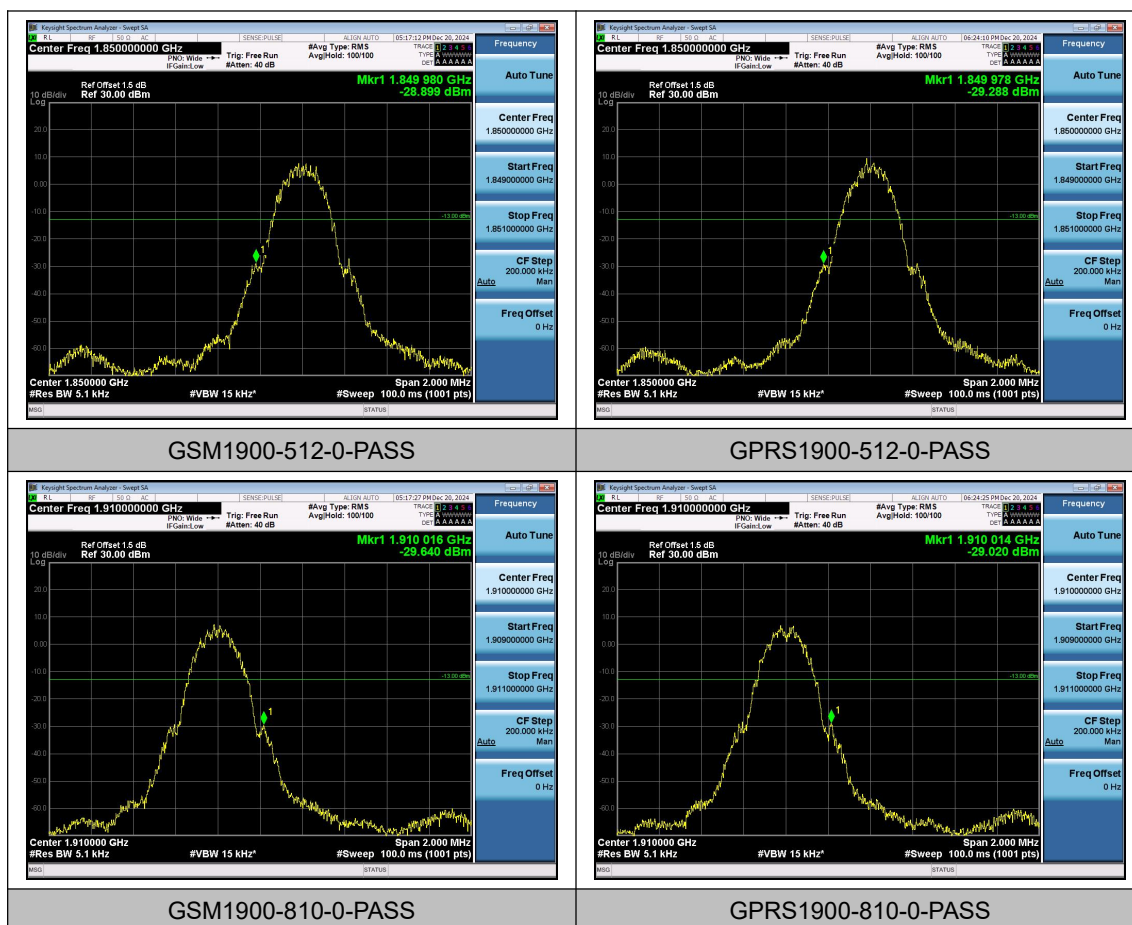


Appendix D: Band Edge

Test Result

Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM1900	512	1849.98	-28.90	-13	PASS
GPRS1900	512	1849.98	-29.29	-13	PASS
GSM1900	810	1910.02	-29.64	-13	PASS
GPRS1900	810	1910.01	-29.02	-13	PASS

Test Graphs



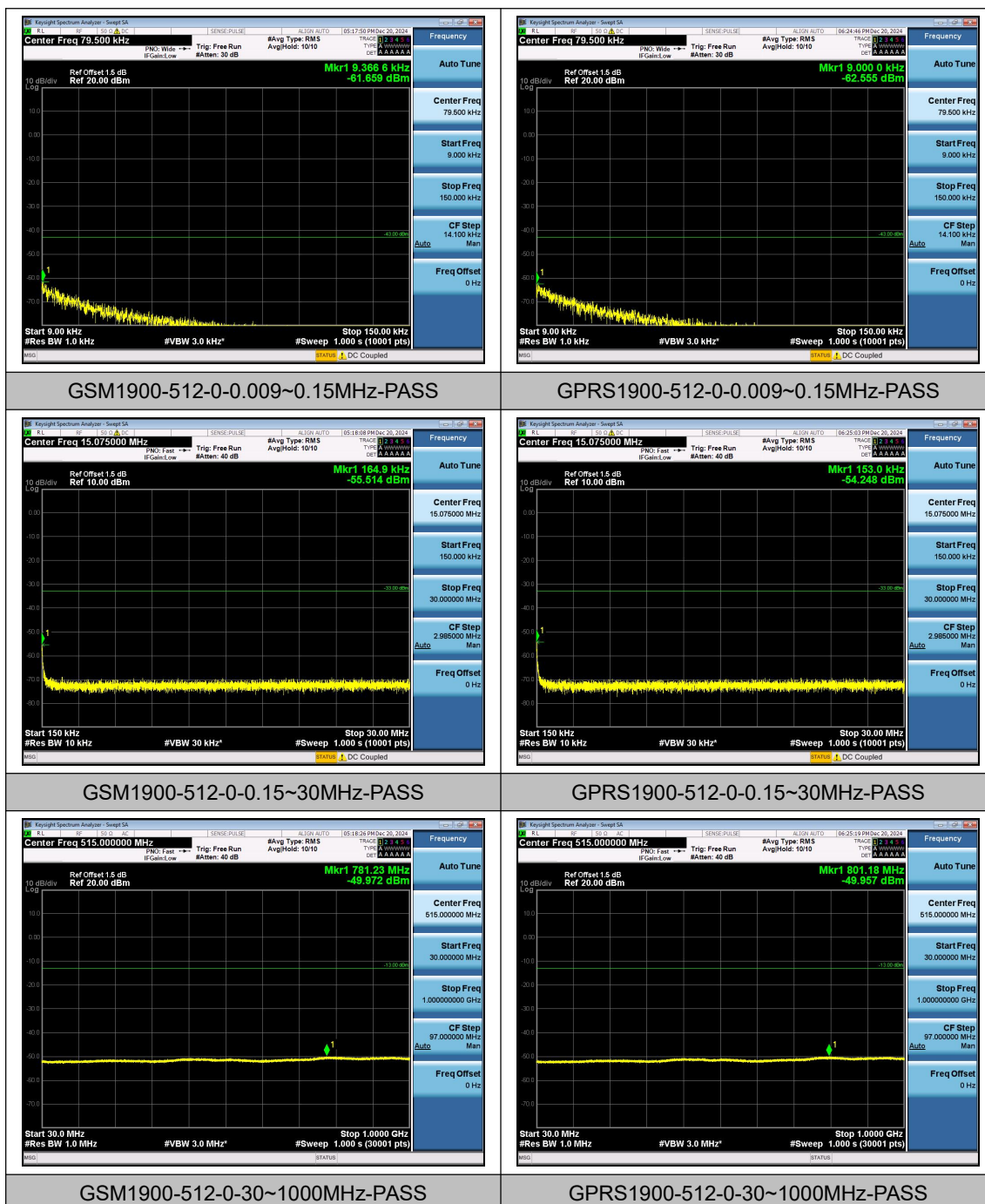
Appendix E: Conducted Spurious Emission

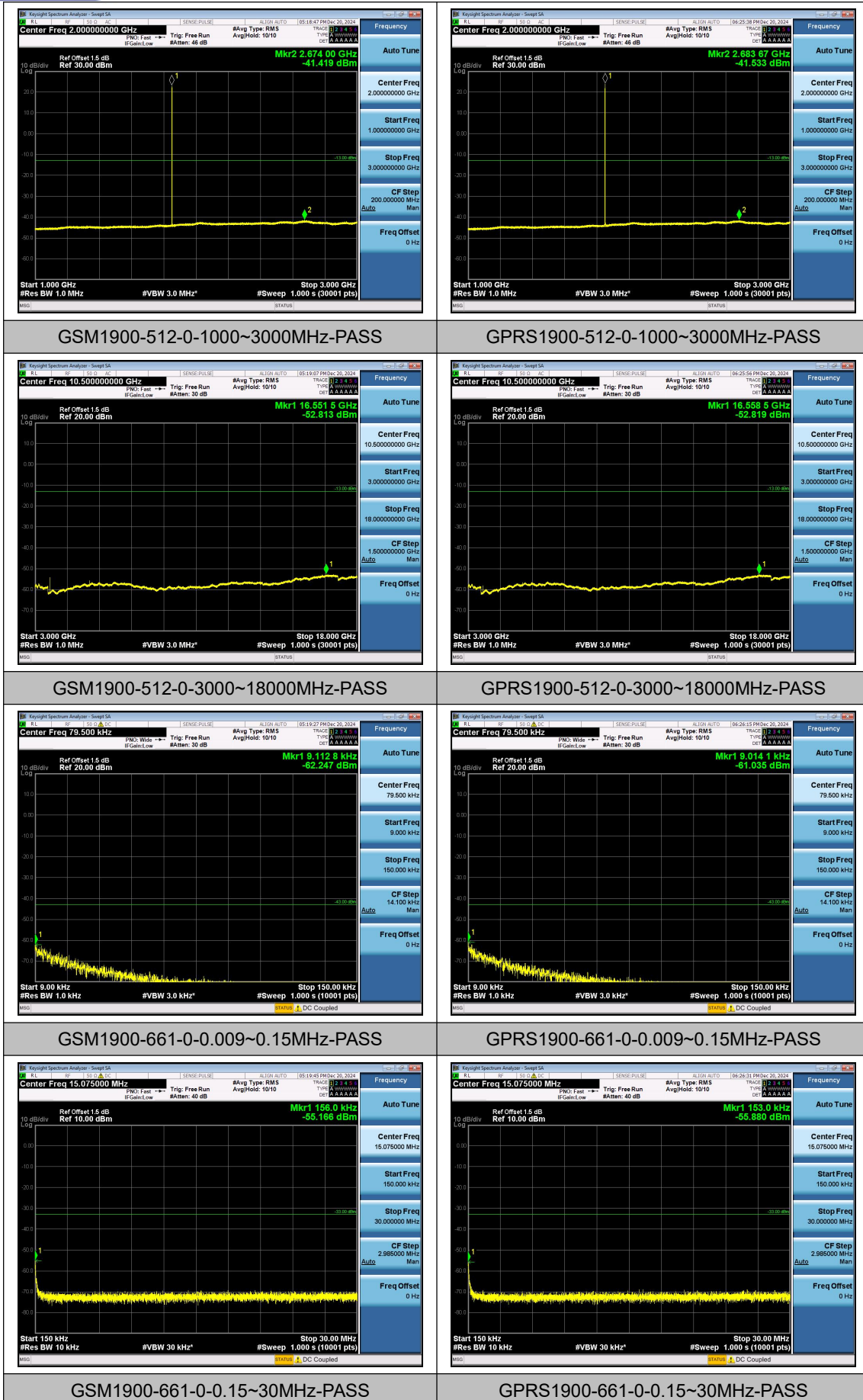
Test Result

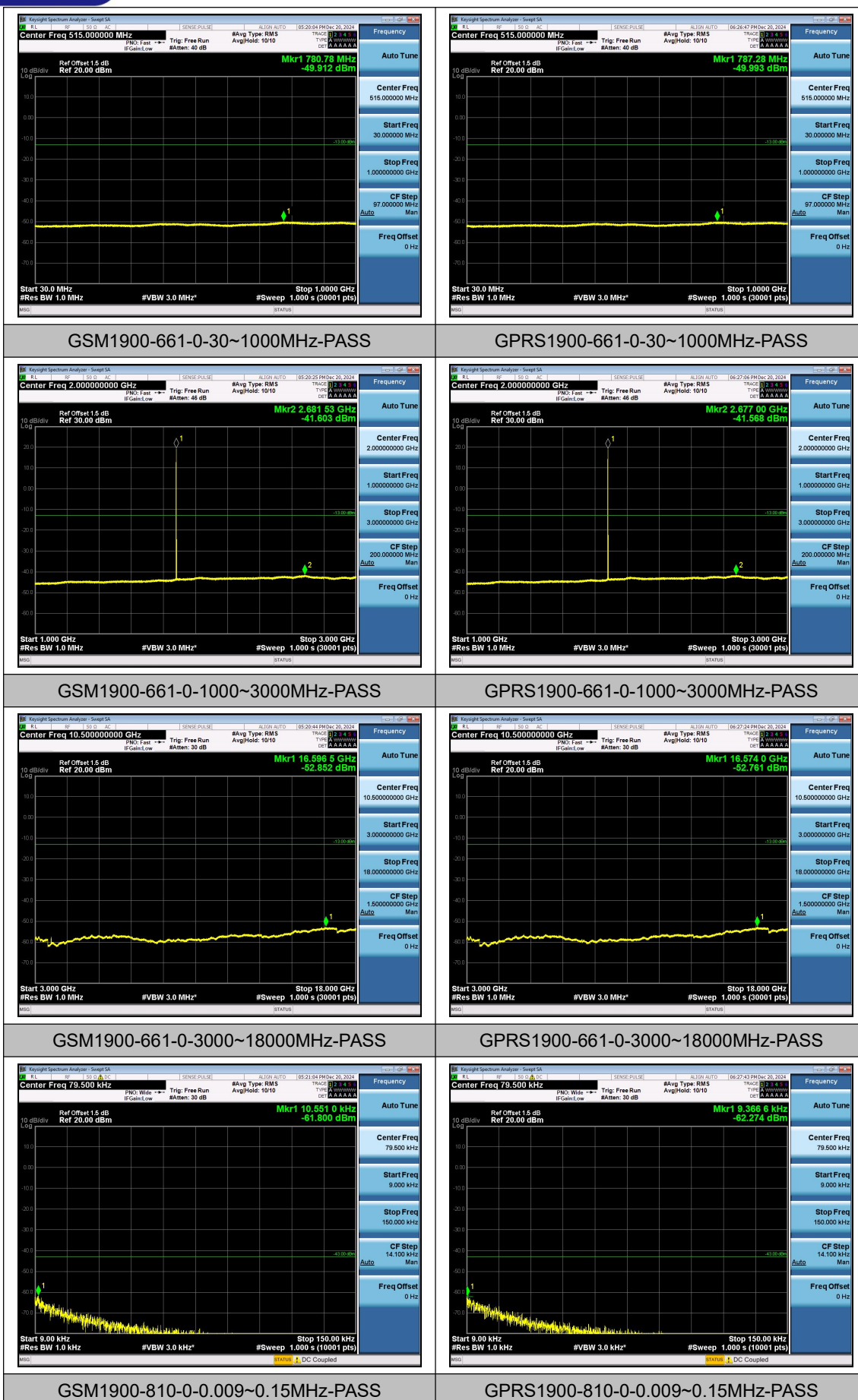
Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM1900	512	0.009~0.15MHz	0.01	-61.66	-43	PASS
GPRS1900	512	0.009~0.15MHz	0.01	-62.56	-43	PASS
GSM1900	512	0.15~30MHz	0.16	-55.51	-33	PASS
GPRS1900	512	0.15~30MHz	0.15	-54.25	-33	PASS
GSM1900	512	30~1000MHz	781.23	-49.97	-13	PASS
GPRS1900	512	30~1000MHz	801.18	-49.96	-13	PASS
GSM1900	512	1000~3000MHz	2674	-41.42	-13	PASS
GPRS1900	512	1000~3000MHz	2683.67	-41.53	-13	PASS
GSM1900	512	3000~18000MHz	16551.5	-52.81	-13	PASS
GPRS1900	512	3000~18000MHz	16558.5	-52.82	-13	PASS
GSM1900	661	0.009~0.15MHz	0.01	-62.25	-43	PASS
GPRS1900	661	0.009~0.15MHz	0.01	-61.04	-43	PASS
GSM1900	661	0.15~30MHz	0.16	-55.17	-33	PASS
GPRS1900	661	0.15~30MHz	0.15	-55.88	-33	PASS
GSM1900	661	30~1000MHz	780.78	-49.91	-13	PASS
GPRS1900	661	30~1000MHz	787.28	-49.99	-13	PASS
GSM1900	661	1000~3000MHz	2681.53	-41.6	-13	PASS
GPRS1900	661	1000~3000MHz	2677	-41.57	-13	PASS
GSM1900	661	3000~18000MHz	16596.5	-52.85	-13	PASS
GPRS1900	661	3000~18000MHz	16574	-52.76	-13	PASS
GSM1900	810	0.009~0.15MHz	0.01	-61.8	-43	PASS
GPRS1900	810	0.009~0.15MHz	0.01	-62.27	-43	PASS
GSM1900	810	0.15~30MHz	0.16	-54.72	-33	PASS
GPRS1900	810	0.15~30MHz	0.15	-54.72	-33	PASS
GSM1900	810	30~1000MHz	783.95	-49.9	-13	PASS
GPRS1900	810	30~1000MHz	788.09	-49.92	-13	PASS
GSM1900	810	1000~3000MHz	2668.87	-41.58	-13	PASS
GPRS1900	810	1000~3000MHz	2684.53	-41.47	-13	PASS
GSM1900	810	3000~18000MHz	16737.5	-52.84	-13	PASS
GPRS1900	810	3000~18000MHz	5729.5	-50.01	-13	PASS

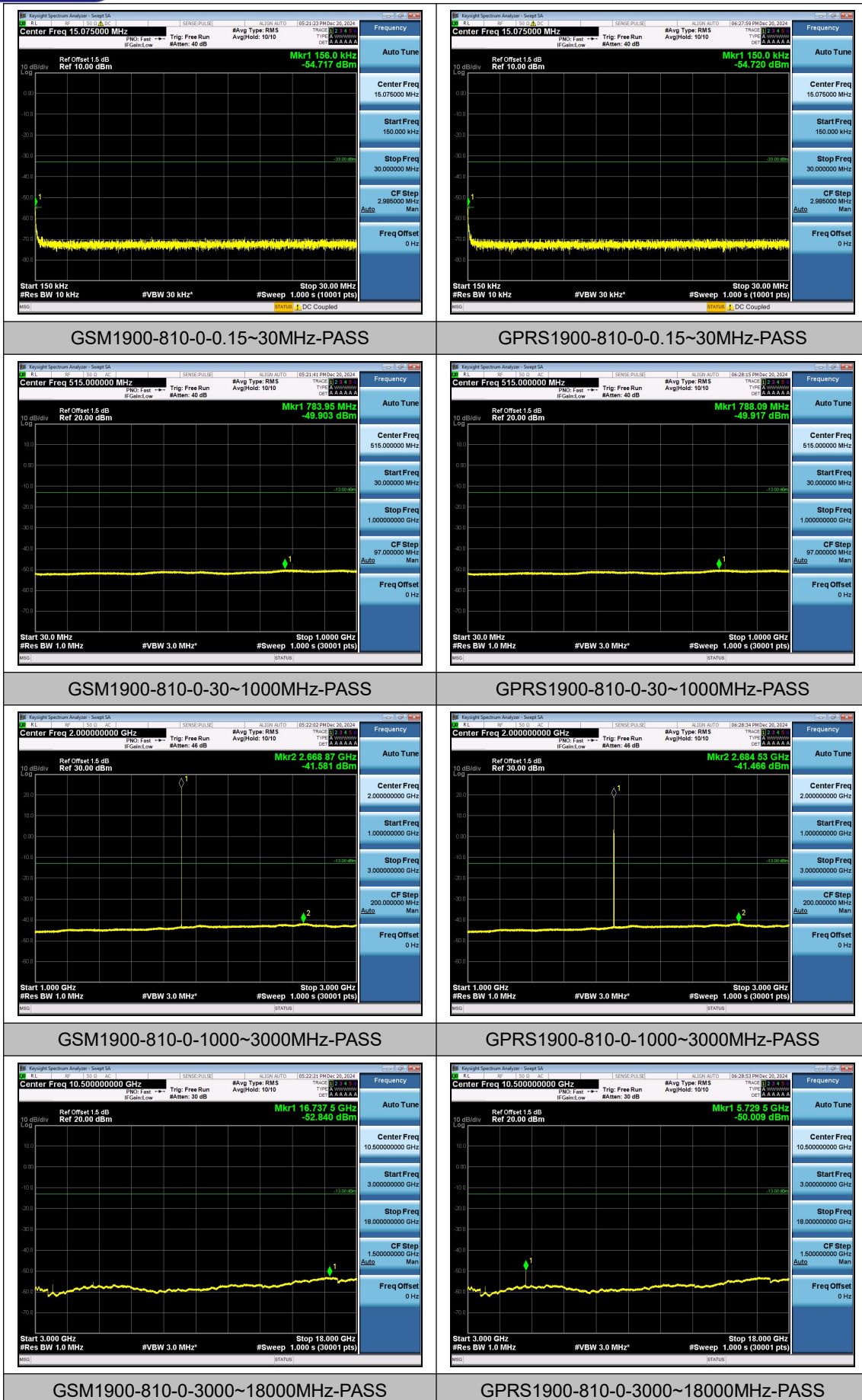


Test Graphs









Appendix F: Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM1900	512	VN	NT	-1210.00	-0.653983	±2.5	PASS
GSM1900	512	VL	NT	-1390.00	-0.751270	±2.5	PASS
GSM1900	512	VH	NT	-1810.00	-0.978273	±2.5	PASS
GPRS1900	512	VN	NT	-1830.00	-0.989082	±2.5	PASS
GPRS1900	512	VL	NT	-1700.00	-0.918820	±2.5	PASS
GPRS1900	512	VH	NT	-1270.00	-0.686412	±2.5	PASS
GSM1900	661	VN	NT	-2160.00	-1.148936	±2.5	PASS
GSM1900	661	VL	NT	-1020.00	-0.542553	±2.5	PASS
GSM1900	661	VH	NT	-1290.00	-0.686170	±2.5	PASS
GPRS1900	661	VN	NT	-1340.00	-0.712766	±2.5	PASS
GPRS1900	661	VL	NT	-310.00	-0.164894	±2.5	PASS
GPRS1900	661	VH	NT	-950.00	-0.505319	±2.5	PASS
GSM1900	810	VN	NT	-1630.00	-0.853493	±2.5	PASS
GSM1900	810	VL	NT	-1980.00	-1.036758	±2.5	PASS
GSM1900	810	VH	NT	-1800.00	-0.942507	±2.5	PASS
GPRS1900	810	VN	NT	-1770.00	-0.926799	±2.5	PASS
GPRS1900	810	VL	NT	-1250.00	-0.654519	±2.5	PASS
GPRS1900	810	VH	NT	-2130.00	-1.115300	±2.5	PASS



Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM1900	512	NV	-30	-1710.00	-0.924224	±2.5	PASS
GSM1900	512	NV	-20	-2480.00	-1.340396	±2.5	PASS
GSM1900	512	NV	-10	-1750.00	-0.945844	±2.5	PASS
GSM1900	512	NV	0	-890.00	-0.481029	±2.5	PASS
GSM1900	512	NV	10	-310.00	-0.167549	±2.5	PASS
GSM1900	512	NV	20	-1080.00	-0.583721	±2.5	PASS
GSM1900	512	NV	30	-3160.00	-1.707923	±2.5	PASS
GSM1900	512	NV	40	-1800.00	-0.972868	±2.5	PASS
GSM1900	512	NV	50	-1820.00	-0.983677	±2.5	PASS
GPRS1900	512	NV	-30	-1350.00	-0.729651	±2.5	PASS
GPRS1900	512	NV	-20	-3310.00	-1.788996	±2.5	PASS
GPRS1900	512	NV	-10	-2820.00	-1.524160	±2.5	PASS
GPRS1900	512	NV	0	-2160.00	-1.167441	±2.5	PASS
GPRS1900	512	NV	10	-1950.00	-1.053940	±2.5	PASS
GPRS1900	512	NV	20	-2360.00	-1.275538	±2.5	PASS
GPRS1900	512	NV	30	-1210.00	-0.653983	±2.5	PASS
GPRS1900	512	NV	40	-1600.00	-0.864771	±2.5	PASS
GPRS1900	512	NV	50	-2330.00	-1.259323	±2.5	PASS
GSM1900	661	NV	-30	-2140.00	-1.138298	±2.5	PASS
GSM1900	661	NV	-20	-1880.00	-1.000000	±2.5	PASS
GSM1900	661	NV	-10	-1370.00	-0.728723	±2.5	PASS
GSM1900	661	NV	0	-970.00	-0.515957	±2.5	PASS
GSM1900	661	NV	10	-1750.00	-0.930851	±2.5	PASS
GSM1900	661	NV	20	-1170.00	-0.622340	±2.5	PASS
GSM1900	661	NV	30	-1550.00	-0.824468	±2.5	PASS
GSM1900	661	NV	40	-1650.00	-0.877660	±2.5	PASS
GSM1900	661	NV	50	-870.00	-0.462766	±2.5	PASS
GPRS1900	661	NV	-30	-2330.00	-1.239362	±2.5	PASS
GPRS1900	661	NV	-20	-2080.00	-1.106383	±2.5	PASS
GPRS1900	661	NV	-10	-1800.00	-0.957447	±2.5	PASS
GPRS1900	661	NV	0	-1160.00	-0.617021	±2.5	PASS
GPRS1900	661	NV	10	-1590.00	-0.845745	±2.5	PASS
GPRS1900	661	NV	20	-2370.00	-1.260638	±2.5	PASS
GPRS1900	661	NV	30	-1090.00	-0.579787	±2.5	PASS
GPRS1900	661	NV	40	-2100.00	-1.117021	±2.5	PASS
GPRS1900	661	NV	50	-1660.00	-0.882979	±2.5	PASS
GSM1900	810	NV	-30	-1630.00	-0.853493	±2.5	PASS
GSM1900	810	NV	-20	-970.00	-0.507907	±2.5	PASS

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GSM1900	810	NV	-10	-410.00	-0.214682	±2.5	PASS
GSM1900	810	NV	0	-2400.00	-1.256676	±2.5	PASS
GSM1900	810	NV	10	-1950.00	-1.021049	±2.5	PASS
GSM1900	810	NV	20	-1270.00	-0.664991	±2.5	PASS
GSM1900	810	NV	30	-2440.00	-1.277621	±2.5	PASS
GSM1900	810	NV	40	-2160.00	-1.131008	±2.5	PASS
GSM1900	810	NV	50	-2030.00	-1.062939	±2.5	PASS
GPRS1900	810	NV	-30	-1470.00	-0.769714	±2.5	PASS
GPRS1900	810	NV	-20	-1850.00	-0.968688	±2.5	PASS
GPRS1900	810	NV	-10	-2320.00	-1.214787	±2.5	PASS
GPRS1900	810	NV	0	-1500.00	-0.785423	±2.5	PASS
GPRS1900	810	NV	10	-640.00	-0.335114	±2.5	PASS
GPRS1900	810	NV	20	-1880.00	-0.984396	±2.5	PASS
GPRS1900	810	NV	30	-1500.00	-0.785423	±2.5	PASS
GPRS1900	810	NV	40	-2010.00	-1.052466	±2.5	PASS
GPRS1900	810	NV	50	-1930.00	-1.010577	±2.5	PASS

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