

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
GSM850	128	19.68	20.67	56.99	PASS
GSM850	190	19.89	20.88	56.99	PASS
GSM850	251	19.89	20.88	56.99	PASS
GSM1900	512	20.63	21.83	62.14	PASS
GSM1900	661	20.89	22.09	62.14	PASS
GSM1900	810	20.39	21.59	62.14	PASS

Remark: $EIRP (dBm) = \text{Conducted power (dBm)} + \text{Antenna Gain (dBi)}$. (For GSM1900)

$ERP (dBm) = EIRP (dBm) - 2.15 (dB)$. (For GSM850)

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

Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	190	2.61	13	PASS
GSM1900	661	0.35	13	PASS

Remark: All channel and all modulation had been tested, but only the worst case data displayed in this report.

Test Graphs

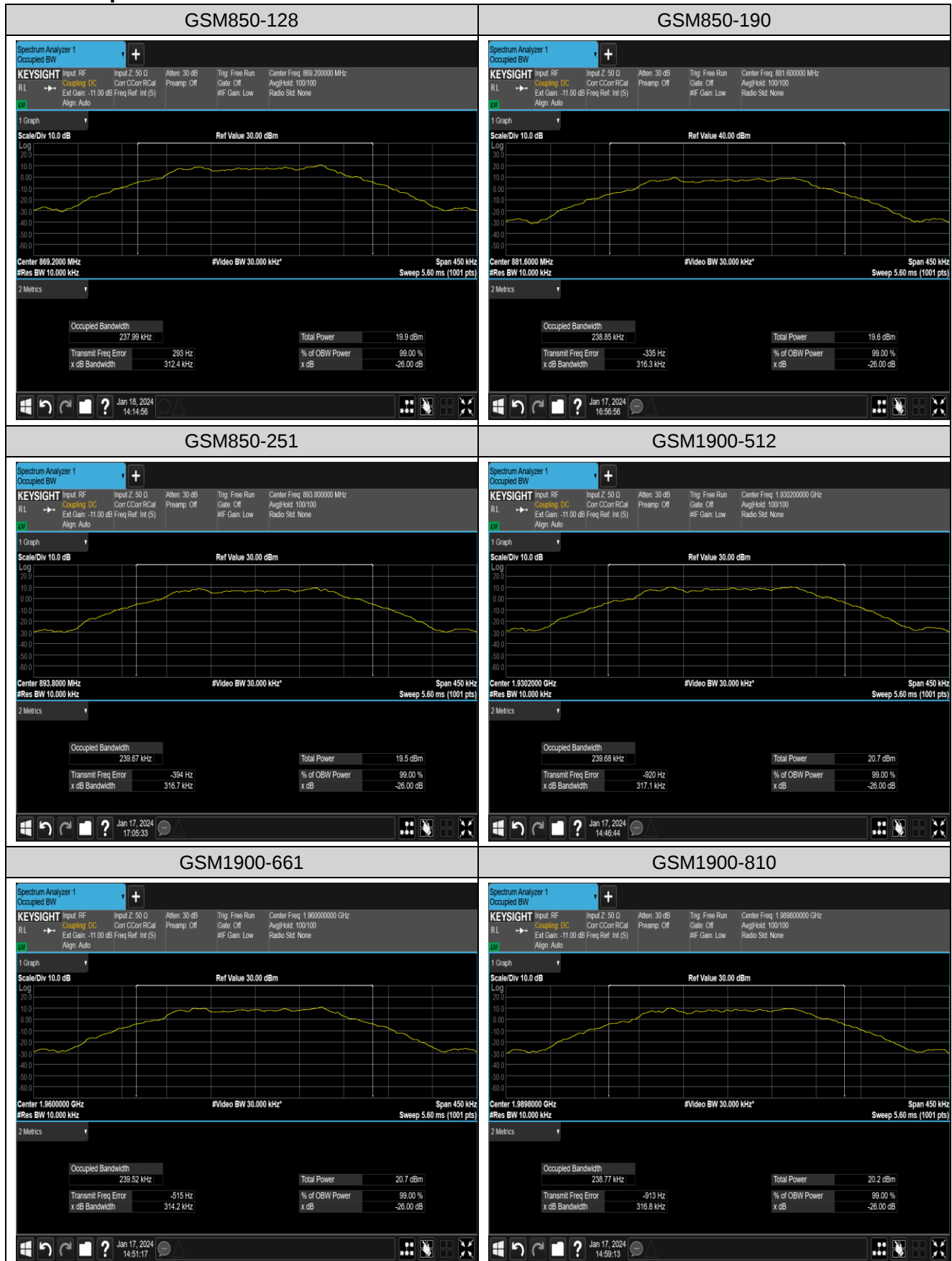


Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.23799	0.3124	---	PASS
GSM850	190	0.23885	0.3163	---	PASS
GSM850	251	0.23967	0.3167	---	PASS
GSM1900	512	0.23968	0.3171	---	PASS
GSM1900	661	0.23952	0.3142	---	PASS
GSM1900	810	0.23877	0.3168	---	PASS

Test Graphs

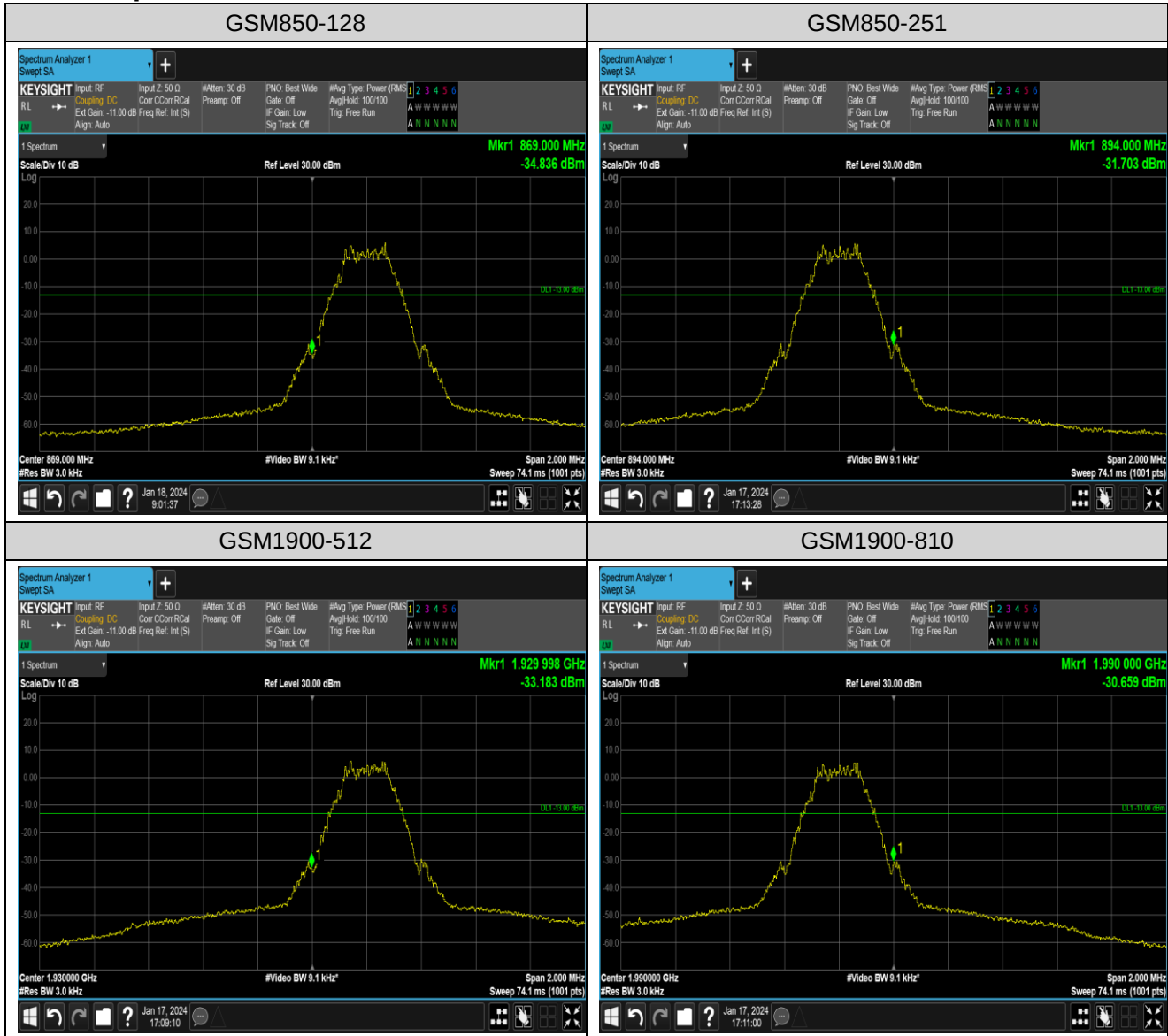


Appendix D: Band Edge

Test Result

Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	869.0	-34.836	-13	PASS
GSM850	251	894.0	-31.703	-13	PASS
GSM1900	512	1929.998	-33.183	-13	PASS
GSM1900	810	1990.000	-30.659	-13	PASS

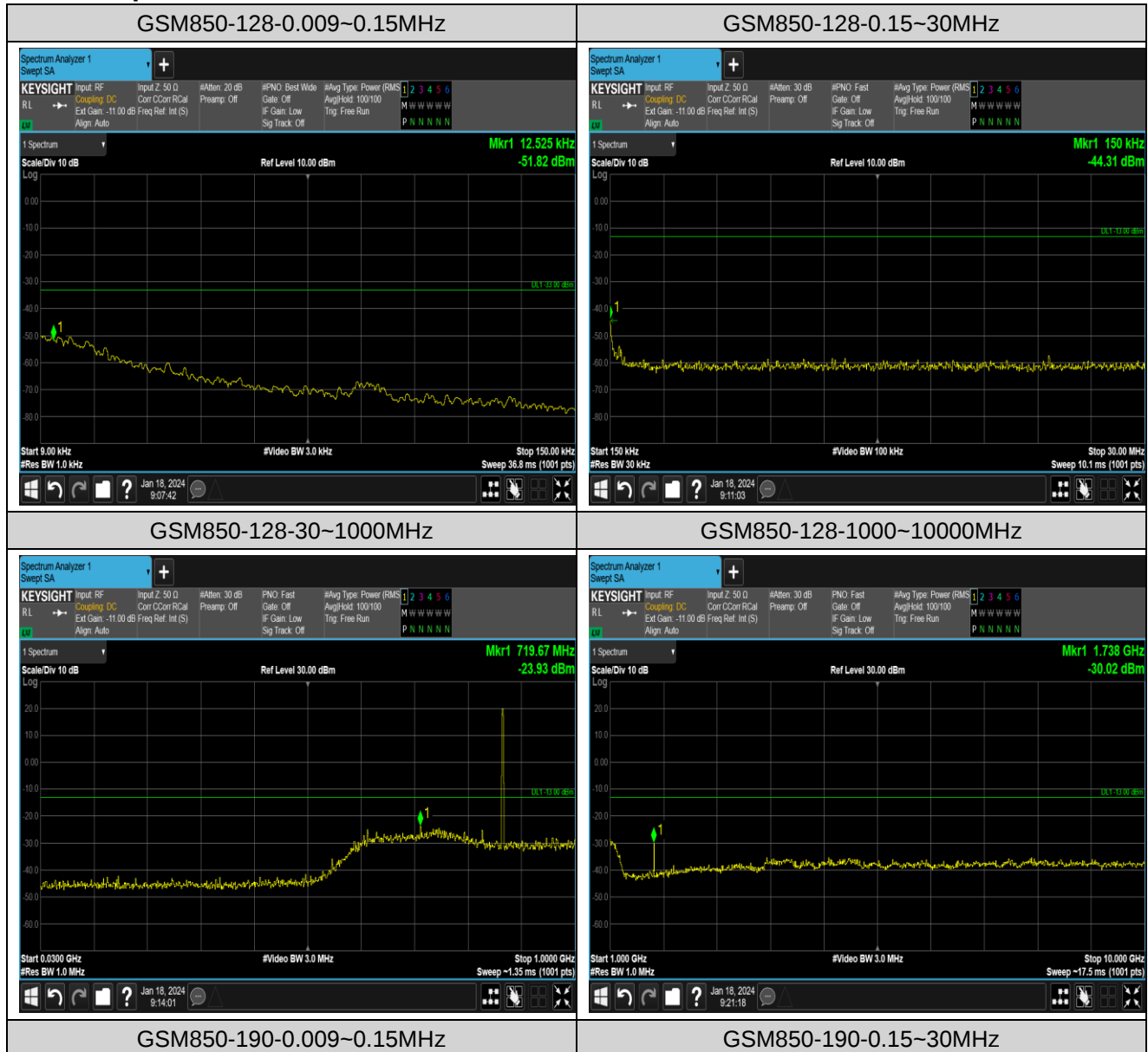
Test Graphs



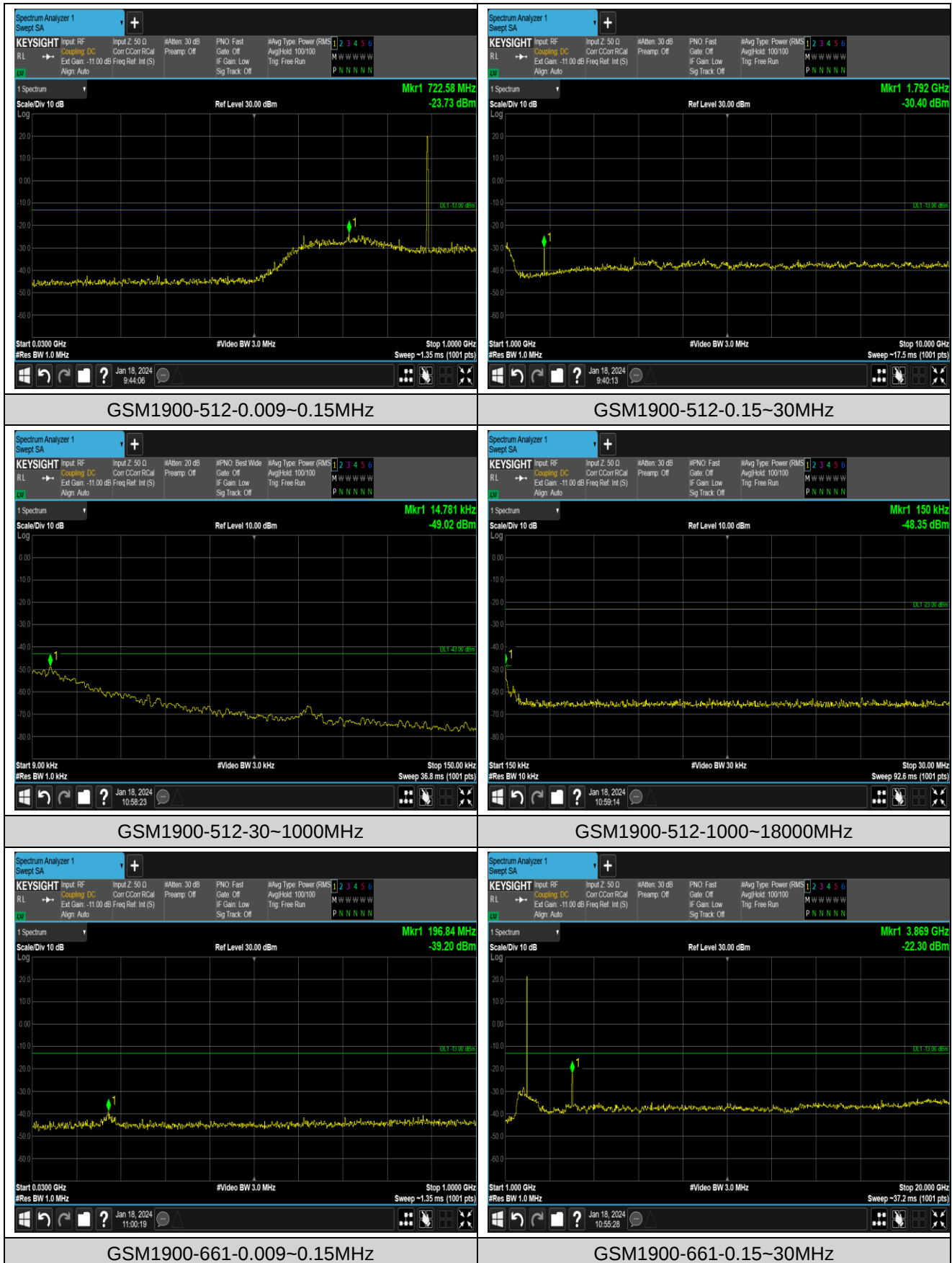
Appendix E: Conducted Spurious Emission

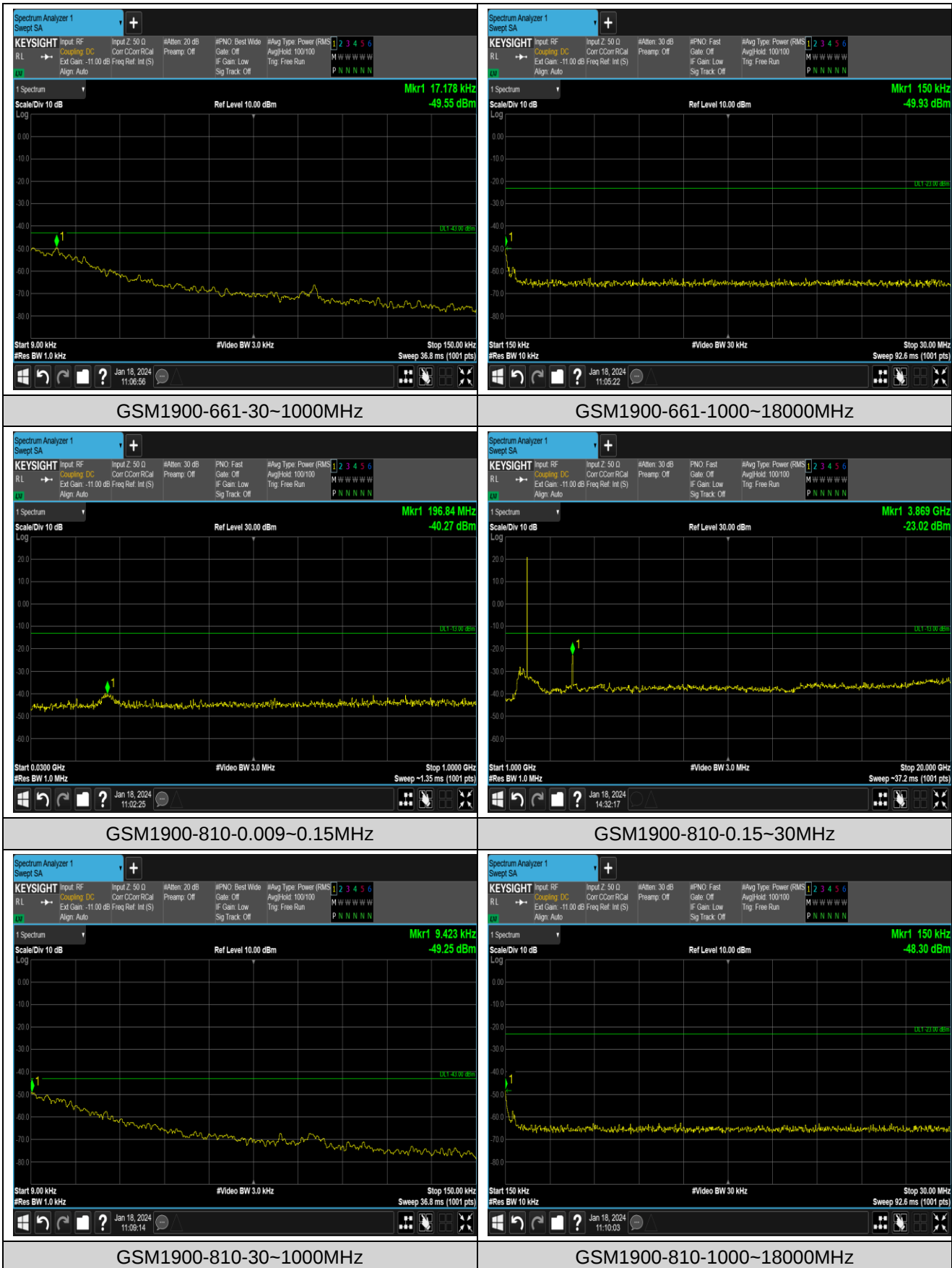
Test Result

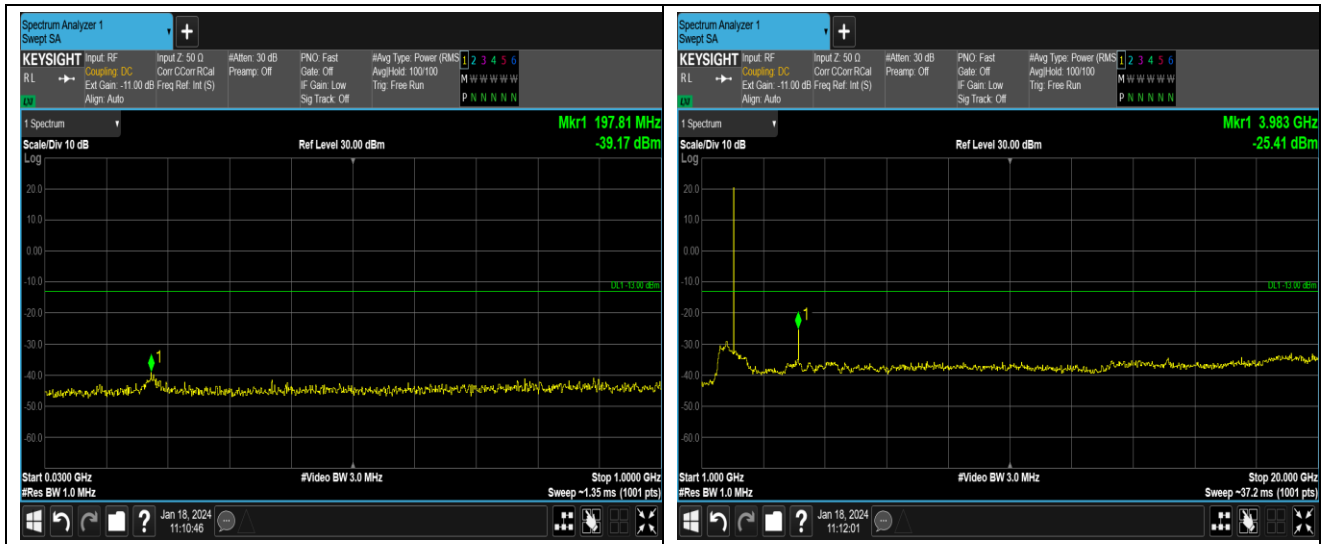
Test Graphs











Appendix F: Frequency Stability

Test Result

Reference Frequency: GSM850 Middle channel=190 Frequency=881.6MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
15.0	-30	50.47	0.057248	±2.5	Pass
	-20	53.33	0.060492		
	-10	-51.56	-0.058485		
	0	49.12	0.055717		
	10	44.38	0.050340		
	20	46.54	0.052790		
	30	58.1	0.065903		
	40	26.26	0.029787		
	50	34.58	0.039224		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	10.0	26.44	0.029991	±2.5	Pass
	15.0	34.94	0.039632		
	22.0	41.61	0.047198		
Remark: All channel had been tested, but only the worst case data displayed in this report.					

Reference Frequency: PCS1900 Middle channel=661 Frequency=1960MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
15.0	-30	43.26	0.049070	±2.5	Pass
	-20	52.8	0.059891		
	-10	-52.24	-0.059256		
	0	-48.75	-0.055297		
	10	44.16	0.050091		
	20	46.15	0.052348		
	30	-57.3	-0.064995		
	40	26.98	0.030603		
	50	33.9	0.038453		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	10.0	26.76	0.030354	±2.5	Pass
	15.0	35.17	0.039893		
	22.0	41.62	0.047210		
Remark: All channel had been tested, but only the worst case data displayed in this report.					