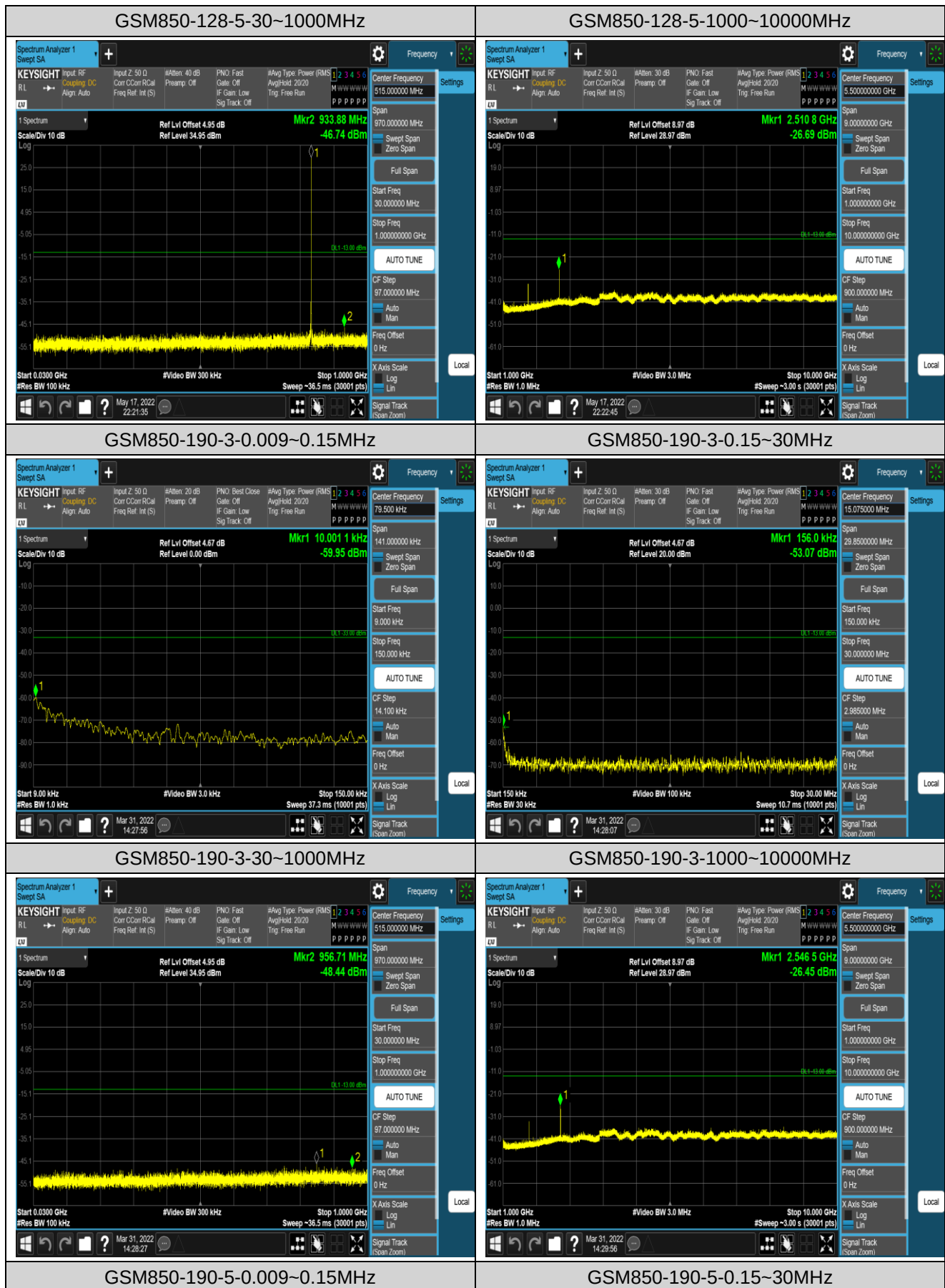
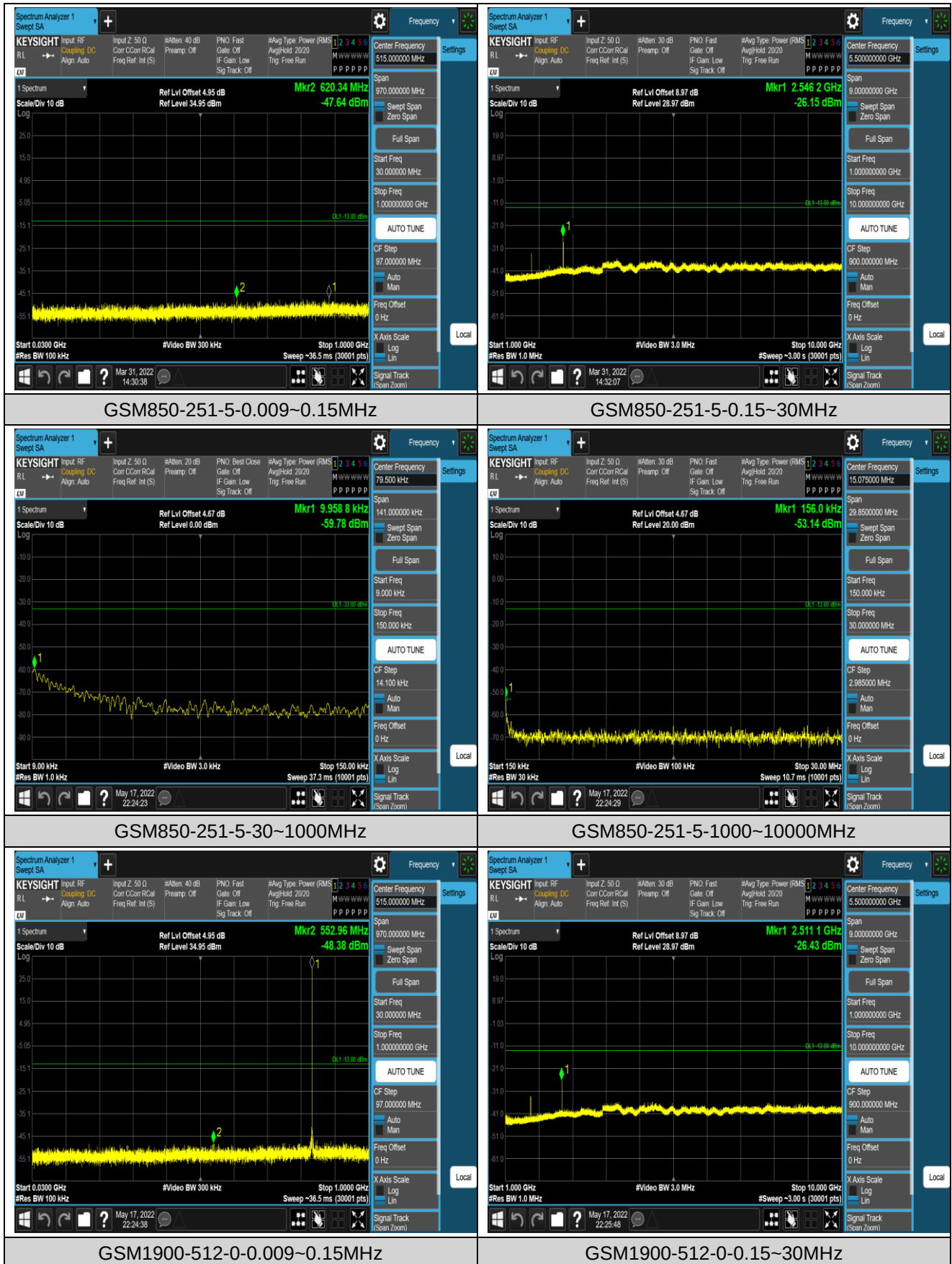
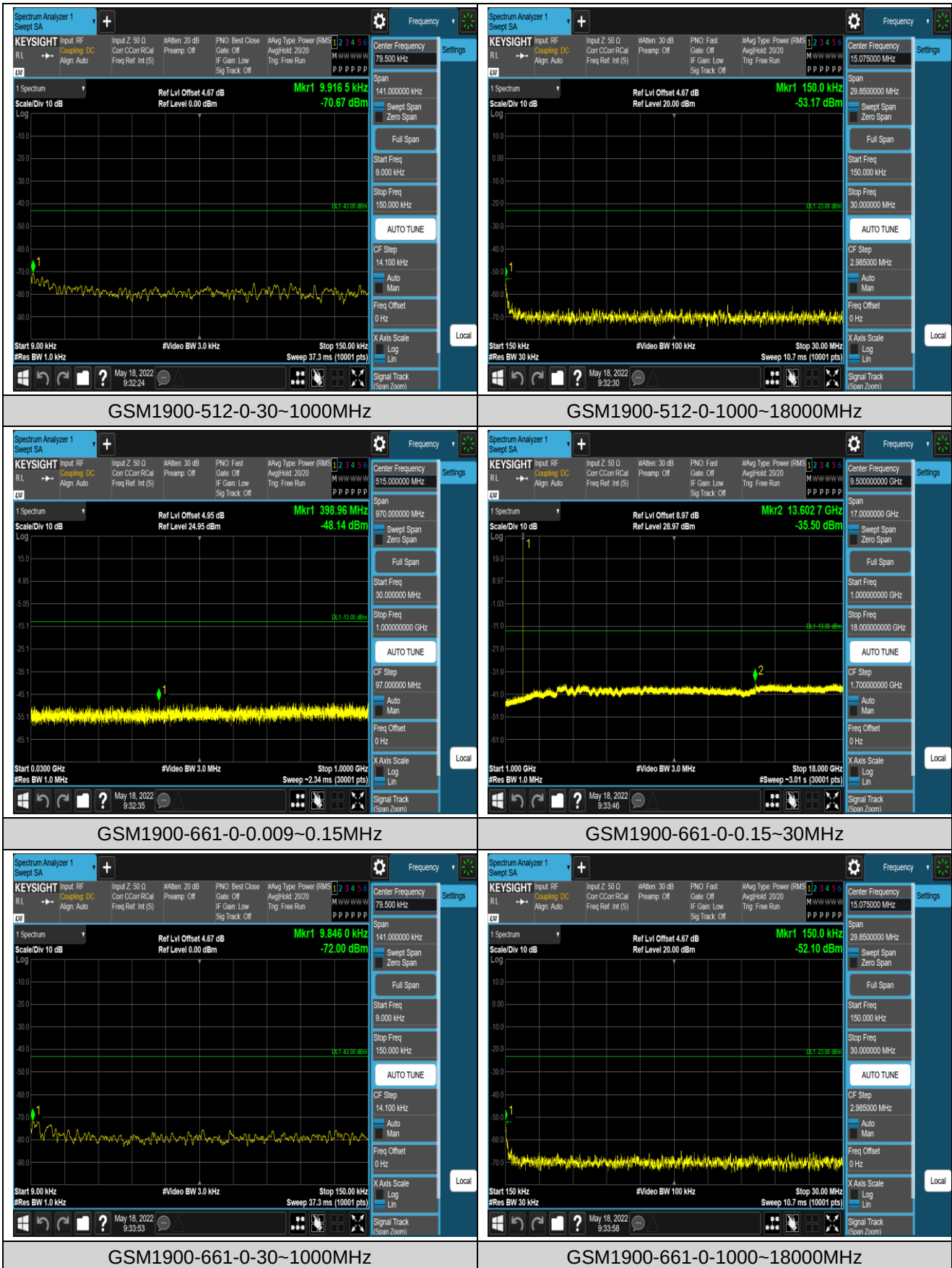
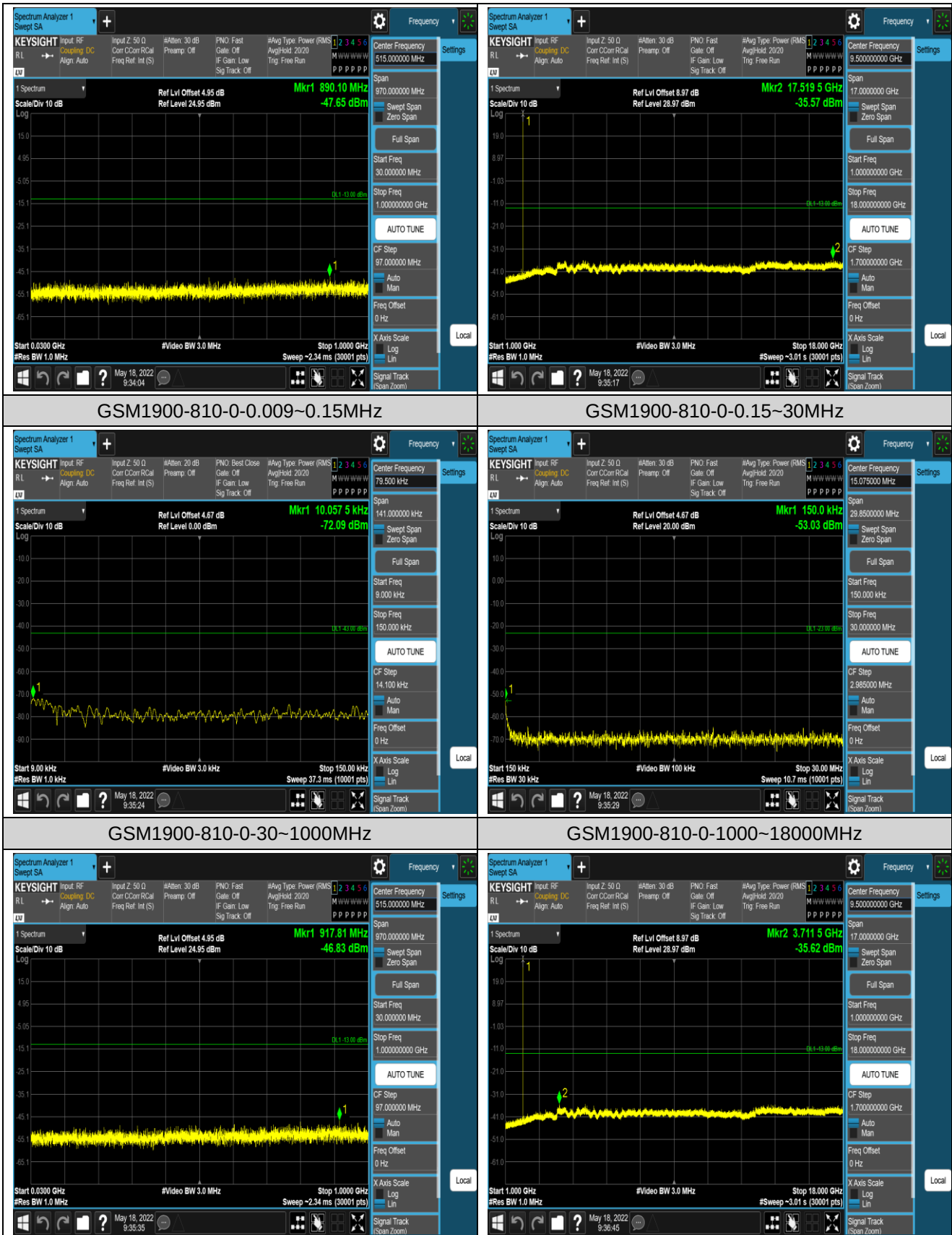












Appendix F: Frequency Stability

Test Result

Reference Frequency: GSM850 Middle channel=190 Frequency=836.6MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
7.78	-30	20.73	0.024779	±2.5	Pass
	-20	24.44	0.029213		
	-10	24.89	0.029751		
	0	23.92	0.028592		
	10	27.77	0.033194		
	20	21.79	0.026046		
	30	19.92	0.023811		
	40	22.60	0.027014		
	50	23.12	0.027636		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	7.2	23.41	0.027982	±2.5	Pass
	7.78	22.96	0.027444		
	8.96	23.15	0.027672		
Remark: All channel had been tested, but only the worst case data displayed in this report.					

Reference Frequency: EGPRS850 Middle channel=190 Frequency=836.6MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
7.78	-30	34.32	0.041023	±2.5	Pass
	-20	33.93	0.040557		
	-10	35.74	0.042721		
	0	35.48	0.042410		
	10	36.32	0.043414		
	20	34.68	0.041454		
	30	35.74	0.042721		
	40	37.00	0.044227		
	50	36.39	0.043497		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	7.2	31.12	0.037198	±2.5	Pass
	7.78	32.06	0.038322		
	8.96	35.61	0.042565		
Remark: All channel had been tested, but only the worst case data displayed in this report.					

Reference Frequency: PCS1900 Middle channel=661 Frequency=1880MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
7.78	-30	128.63	0.068420	Within authorized band for PCS 1900	Pass
	-20	107.22	0.057032		
	-10	73.51	0.039101		
	0	4.13	0.002197		
	10	70.00	0.037234		
	20	58.34	0.031032		
	30	62.67	0.033335		
	40	67.77	0.036048		
	50	44.49	0.023665		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	7.2	57.18	0.030415	Within authorized band for PCS 1900	Pass
	7.78	16.05	0.008537		
	8.96	95.15	0.050612		
Remark: All channel had been tested, but only the worst case data displayed in this report.					

Reference Frequency: EGPRS1900 Middle channel=661 Frequency=1880MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
7.78	-30	25.38	0.013500	Within authorized band for PCS 1900	Pass
	-20	23.86	0.012691		
	-10	23.50	0.012500		
	0	18.82	0.010011		
	10	21.28	0.011319		
	20	26.15	0.013910		
	30	26.25	0.013963		
	40	27.02	0.014372		
	50	21.41	0.011388		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	7.2	23.76	0.012638	Within authorized band for PCS 1900	Pass
	7.78	24.67	0.013122		
	8.96	16.08	0.008553		
Remark: All channel had been tested, but only the worst case data displayed in this report.					

Appendix G: Modulation Characteristics

Test Result

Band	Channel	Result	Verdict
GSM850	190	PASS	PASS
EGPRS850	190	PASS	PASS
GSM1900	661	PASS	PASS
EGPRS1900	661	PASS	PASS

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

Test Graphs

