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	-1.93	-0.94	56.99	PASS
GSM850	190	-2.26	-1.27	56.99	PASS
GSM850	251	-1.86	-0.87	56.99	PASS
GSM1900	512	0.98	2.18	62.14	PASS
GSM1900	661	0.98	2.18	62.14	PASS
GSM1900	810	1.04	2.24	62.14	PASS

Remark: EIRP (dBm) = Conducted power (dBm) + 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	1.75	13	PASS
GSM1900	661	1.83	13	PASS

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

Test Graphs

GSM850-190	GSM1900-661
	

Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.23646	0.3165	---	PASS
GSM850	190	0.23602	0.3106	---	PASS
GSM850	251	0.23573	0.3152	---	PASS
GSM1900	512	0.23781	0.3163	---	PASS
GSM1900	661	0.23684	0.3161	---	PASS
GSM1900	810	0.23601	0.3109	---	PASS

Test Graphs

GSM850-128

GSM850-190

GSM850-251

GSM1900-512

GSM1900-661

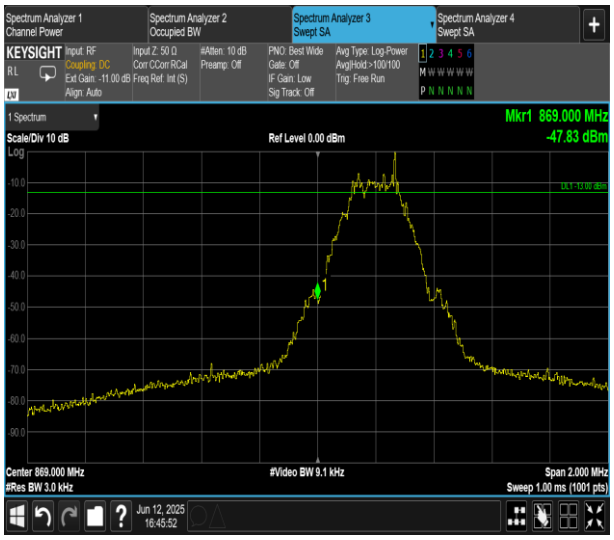
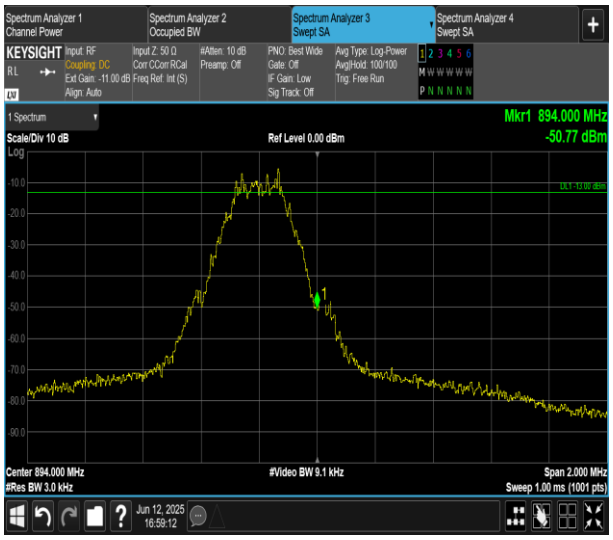
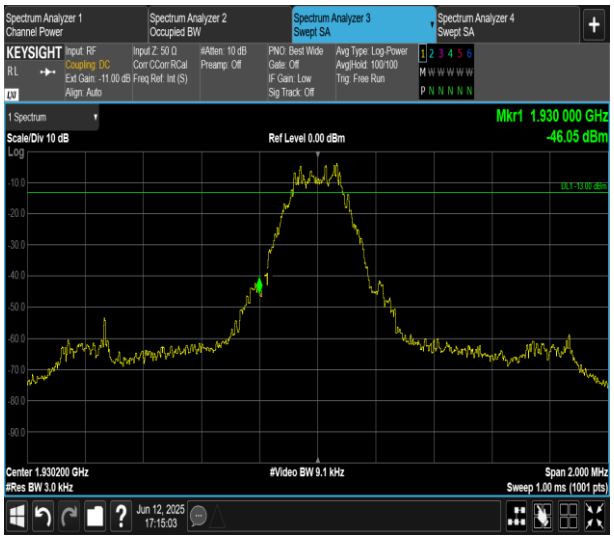
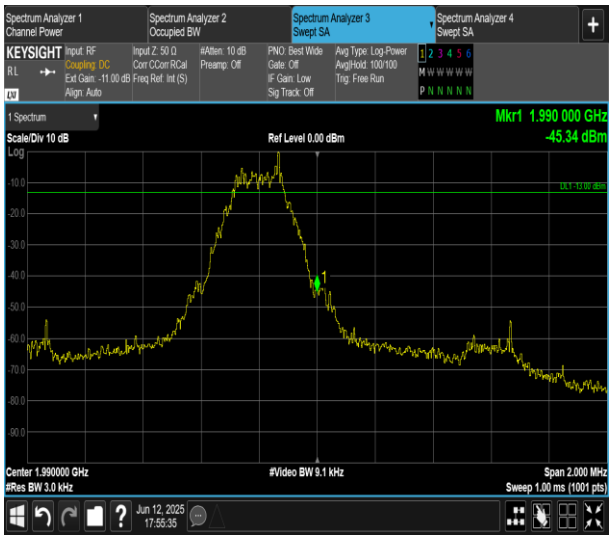
GSM1900-810

Appendix D: Band Edge

Test Result

Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	869.000	-47.83	-13	PASS
GSM850	251	894.000	-50.77	-13	PASS
GSM1900	512	1930.000	-46.05	-13	PASS
GSM1900	810	1990.000	-45.34	-13	PASS

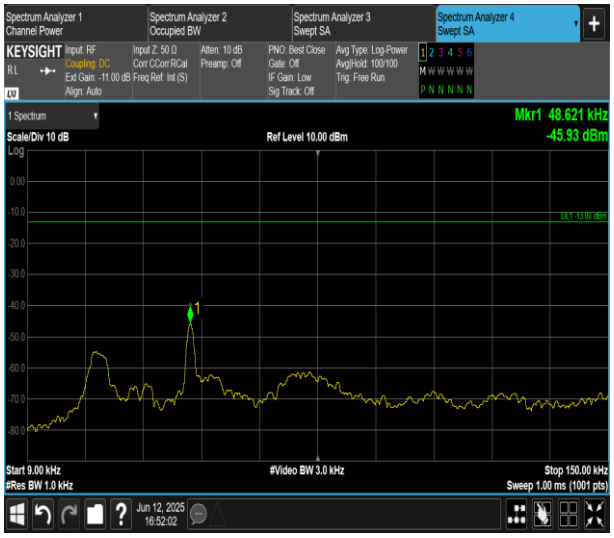
Test Graphs

GSM850-128	GSM850-251
	
GSM1900-512	**GSM1900-810**
	

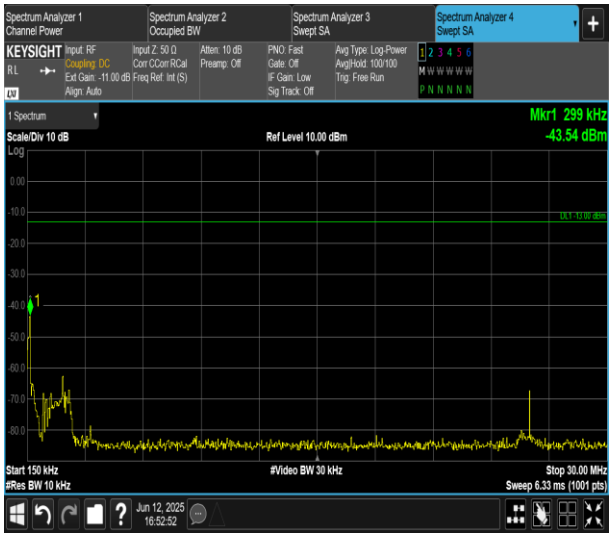
Appendix E: Conducted Spurious Emission

Test Graphs

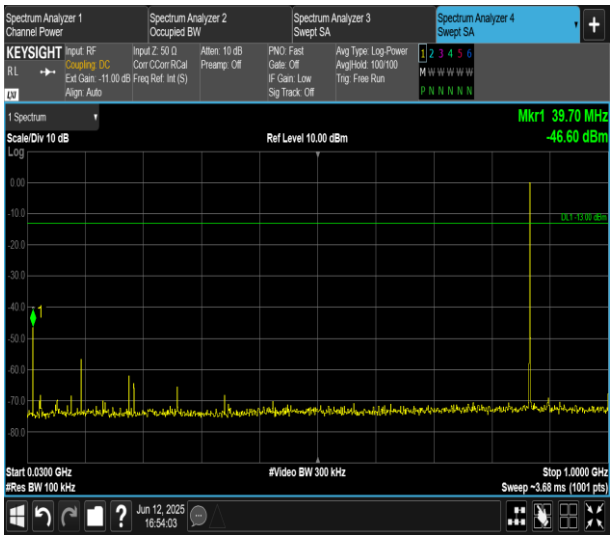
GSM850-128-0.009~0.15MHz



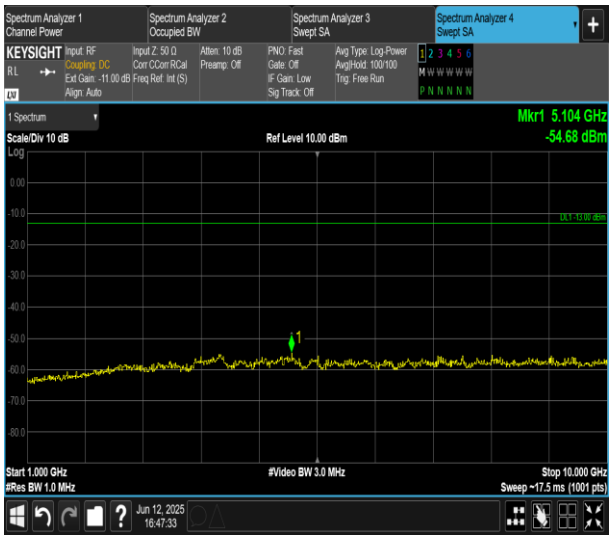
GSM850-128-0.15~30MHz

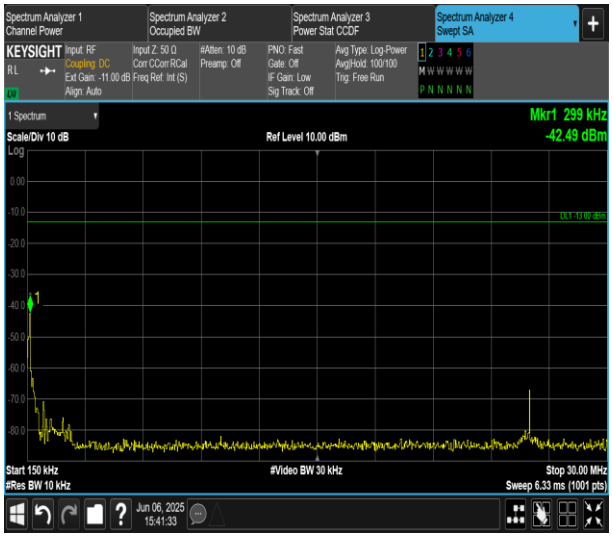
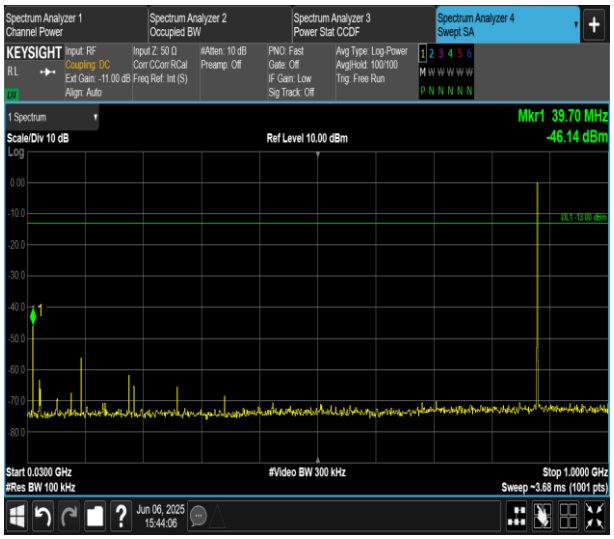
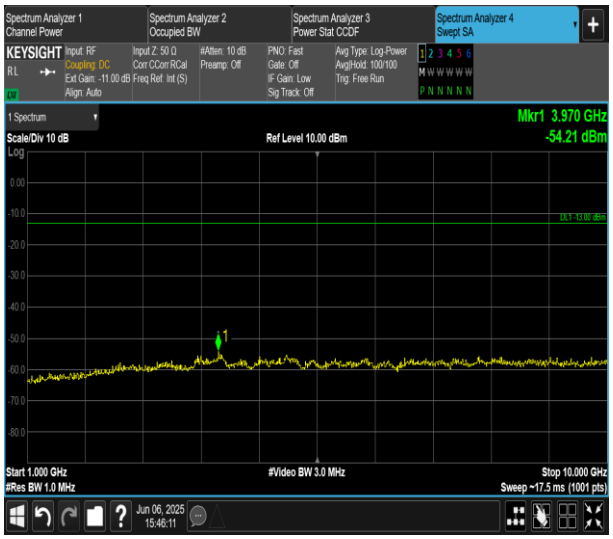
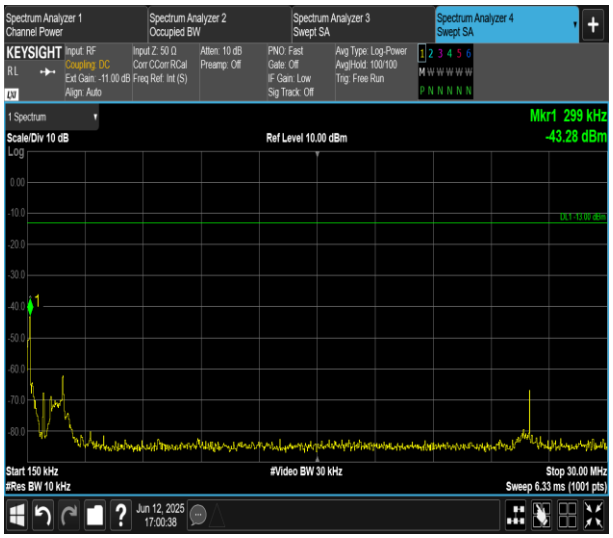


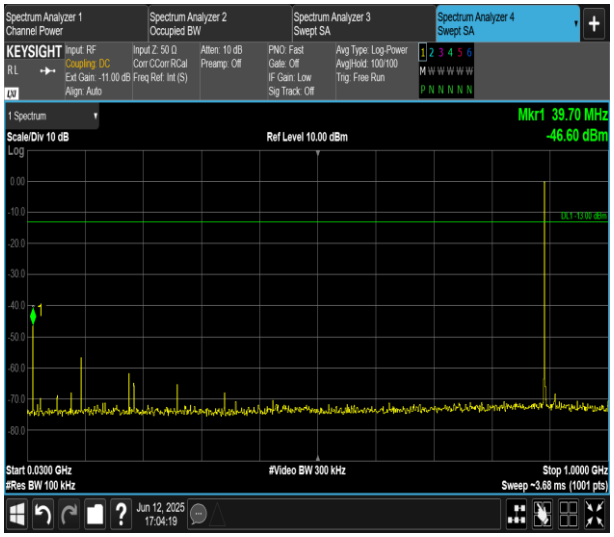
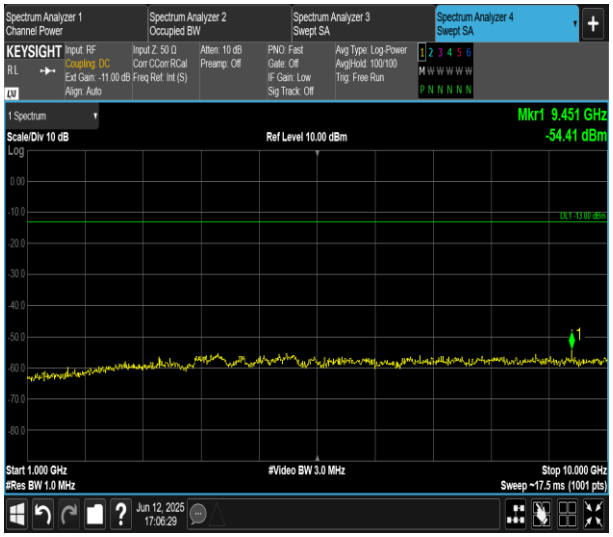
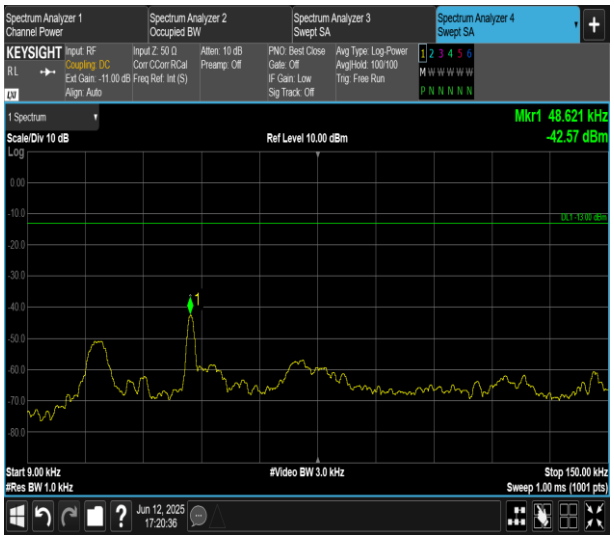
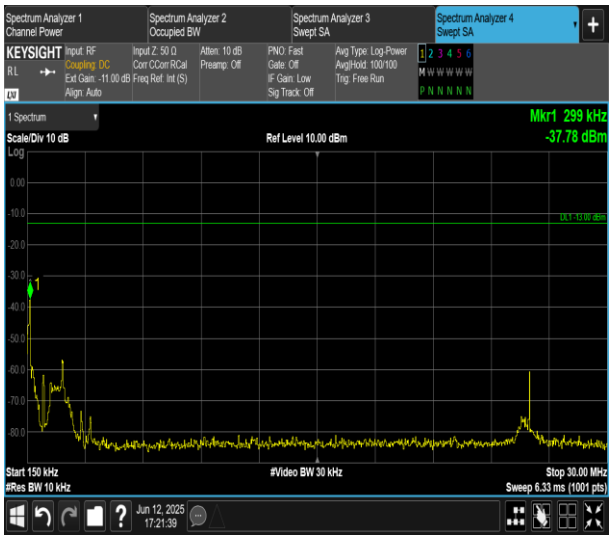
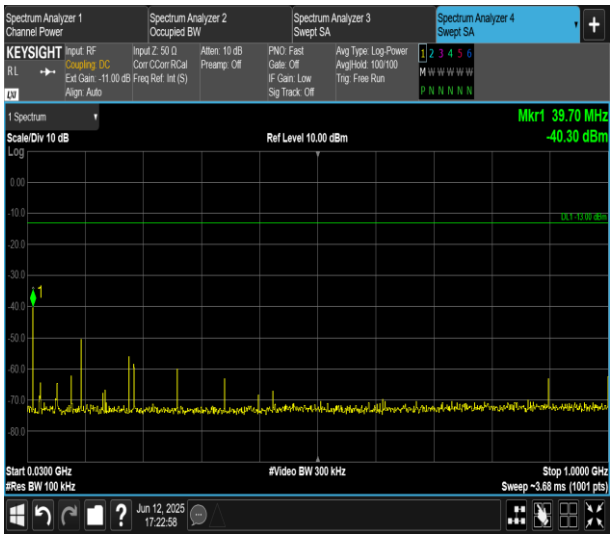
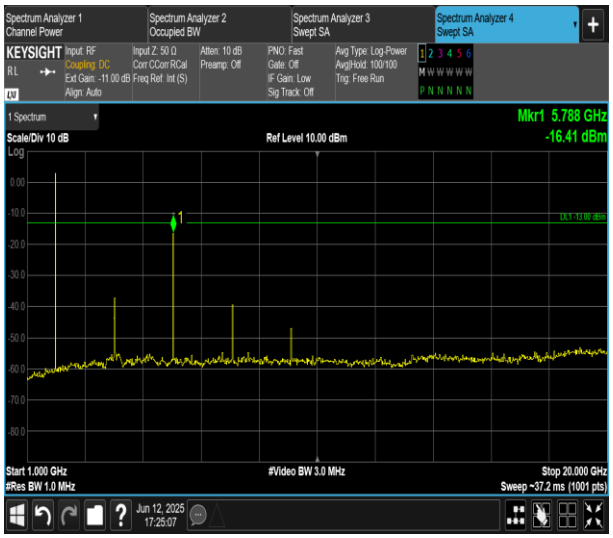
GSM850-128-30~1000MHz

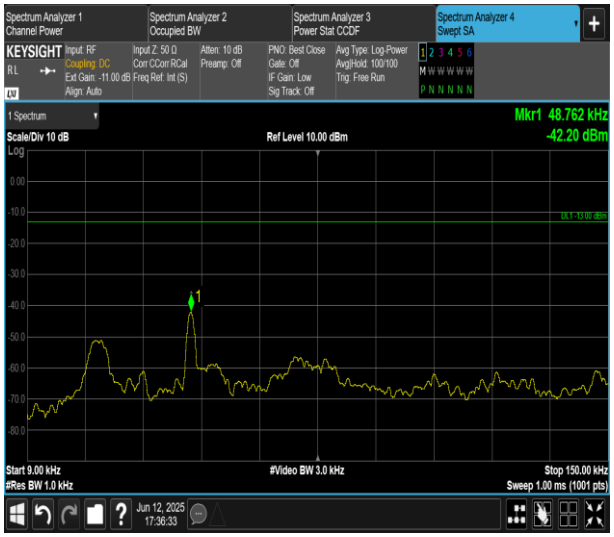
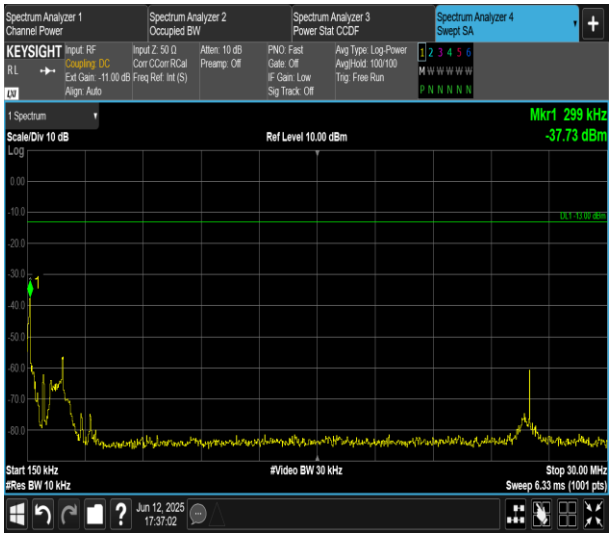
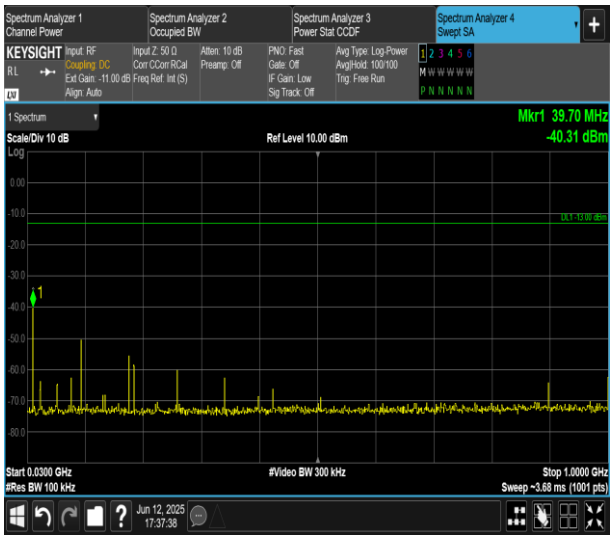
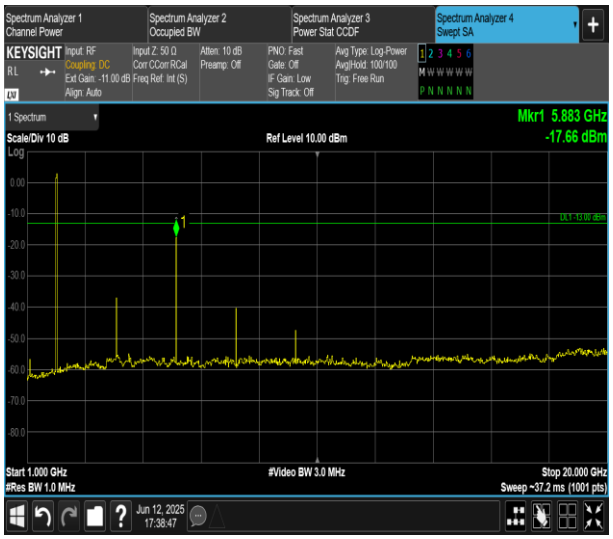
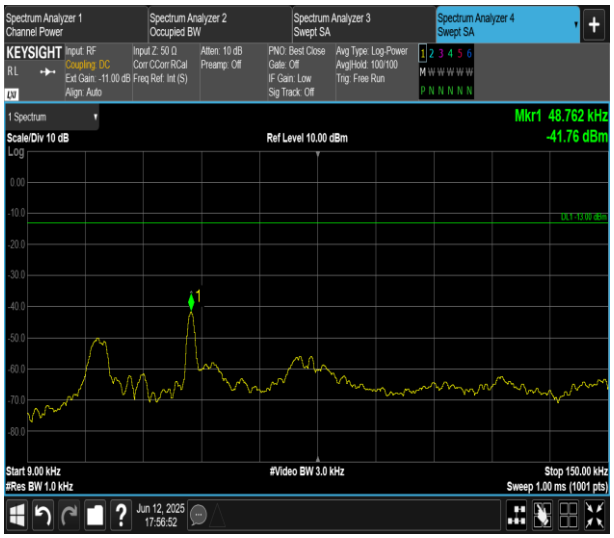
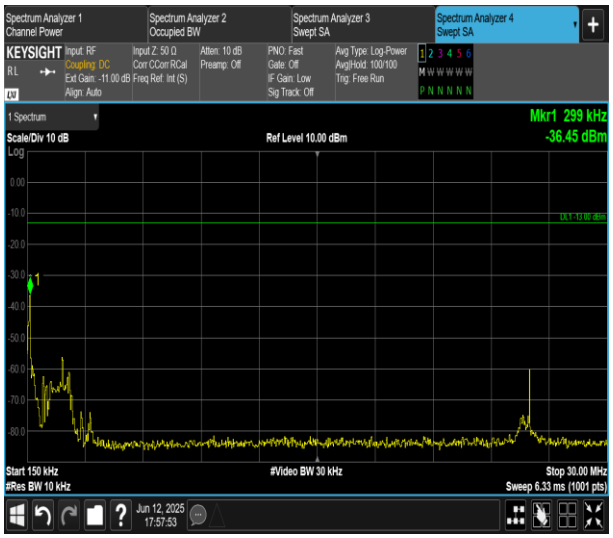


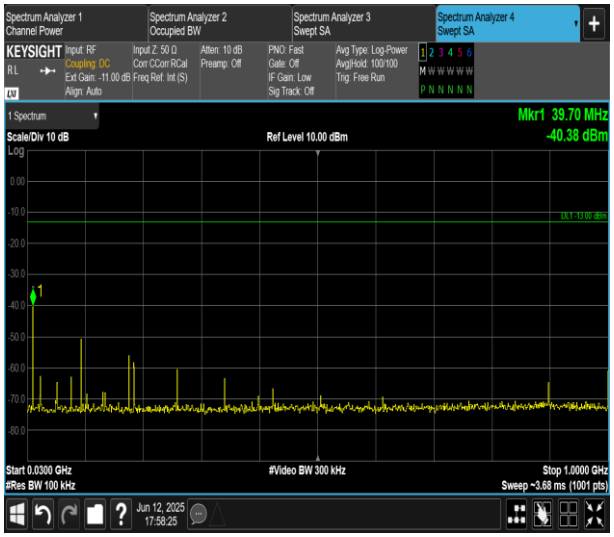
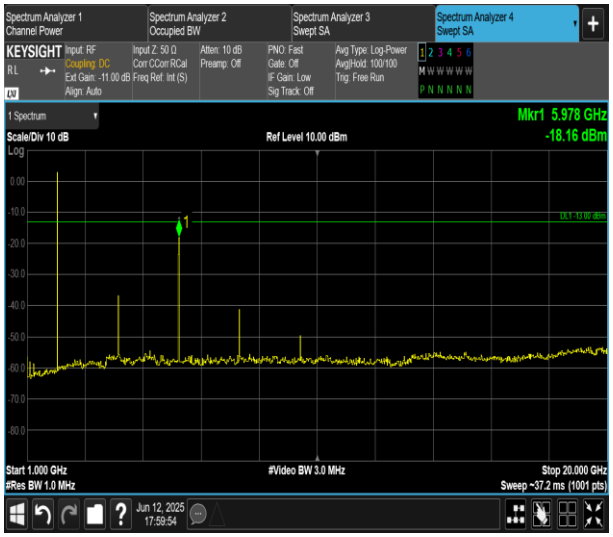
GSM850-128-1000~10000MHz



GSM850-190-0.009~0.15MHz	GSM850-190-0.15~30MHz
	
GSM850-190-30~1000MHz	**GSM850-190-1000~10000MHz**
	
GSM850-251-0.009~0.15MHz	**GSM850-251-0.15~30MHz**
	

GSM850-251-30~1000MHz	GSM850-251-1000~10000MHz
	
GSM1900-512-0.009~0.15MHz	**GSM1900-512-0.15~30MHz**
	
GSM1900-512-30~1000MHz	**GSM1900-512-1000~18000MHz**
	

GSM1900-661-0.009~0.15MHz	GSM1900-661-0.15~30MHz
	
GSM1900-661-30~1000MHz	**GSM1900-661-1000~18000MHz**
	
GSM1900-810-0.009~0.15MHz	**GSM1900-810-0.15~30MHz**
	

GSM1900-810-30~1000MHz	GSM1900-810-1000~18000MHz
	

Appendix F: Frequency Stability

Test Result

Reference Frequency: GSM850 Middle channel=190 Frequency=881.6MHz					
Temperature					
Power supplied (Vac)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
120.0	-30	43.69	0.049558	±2.5	Pass
	-20	53.85	0.061082		
	-10	50.7	0.057509		
	0	53.35	0.060515		
	10	45.14	0.051202		
	20	45.57	0.051690		
	30	56.6	0.064201		
	40	46.51	0.052756		
	50	45.32	0.051407		
Voltage					
Temperature (℃)	Power supplied (Vac)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	90.0	43.21	0.049013	±2.5	Pass
	120.0	45.39	0.051486		
	230.0	45.24	0.051316		
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 (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
15.0	-30	43.69	0.025959	±2.5	Pass
	-20	53.85	0.026240		
	-10	50.7	0.026321		
	0	53.35	0.025765		
	10	45.14	0.023036		
	20	45.57	0.023082		
	30	56.6	0.026724		
	40	46.51	0.025010		
	50	45.32	0.026173		
Voltage					
Temperature (℃)	Power supplied (Vac)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	90.0	43.13	0.022005	±2.5	Pass
	120.0	45.76	0.023347		
	230.0	45.38	0.023153		
Remark: All channel had been tested, but only the worst case data displayed in this report.					