

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	PCL	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
GSM850	128	5	32.23	30.19	38.45	PASS
GSM850	190	5	32.82	30.78	38.45	PASS
GSM850	251	5	32.93	30.89	38.45	PASS
GSM1900	512	0	29.29	29.54	33.00	PASS
GSM1900	661	0	29.08	29.33	33.00	PASS
GSM1900	810	0	29.58	29.83	33.00	PASS

Band	Channel	PCL	Slot	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
GPRS850	128	5	1	32.13	30.09	38.45	PASS
GPRS850	128	5	2	29.13	27.09	38.45	PASS
GPRS850	128	5	3	27.11	25.07	38.45	PASS
GPRS850	128	5	4	25.06	23.02	38.45	PASS
GPRS850	190	5	1	32.73	30.69	38.45	PASS
GPRS850	190	5	2	29.70	27.66	38.45	PASS
GPRS850	190	5	3	27.65	25.61	38.45	PASS
GPRS850	190	5	4	25.59	23.55	38.45	PASS
GPRS850	251	5	1	32.86	30.82	38.45	PASS
GPRS850	251	5	2	29.77	27.73	38.45	PASS
GPRS850	251	5	3	27.72	25.68	38.45	PASS
GPRS850	251	5	4	25.65	23.61	38.45	PASS
GPRS1900	512	0	1	29.14	29.39	33.00	PASS
GPRS1900	512	0	2	26.12	26.37	33.00	PASS
GPRS1900	512	0	3	24.85	25.10	33.00	PASS
GPRS1900	512	0	4	22.48	22.73	33.00	PASS
GPRS1900	661	0	1	29.11	29.36	33.00	PASS
GPRS1900	661	0	2	26.04	26.29	33.00	PASS
GPRS1900	661	0	3	24.90	25.15	33.00	PASS
GPRS1900	661	0	4	22.40	22.65	33.00	PASS
GPRS1900	810	0	1	29.62	29.87	33.00	PASS
GPRS1900	810	0	2	26.59	26.84	33.00	PASS
GPRS1900	810	0	3	24.92	25.17	33.00	PASS
GPRS1900	810	0	4	22.95	23.20	33.00	PASS

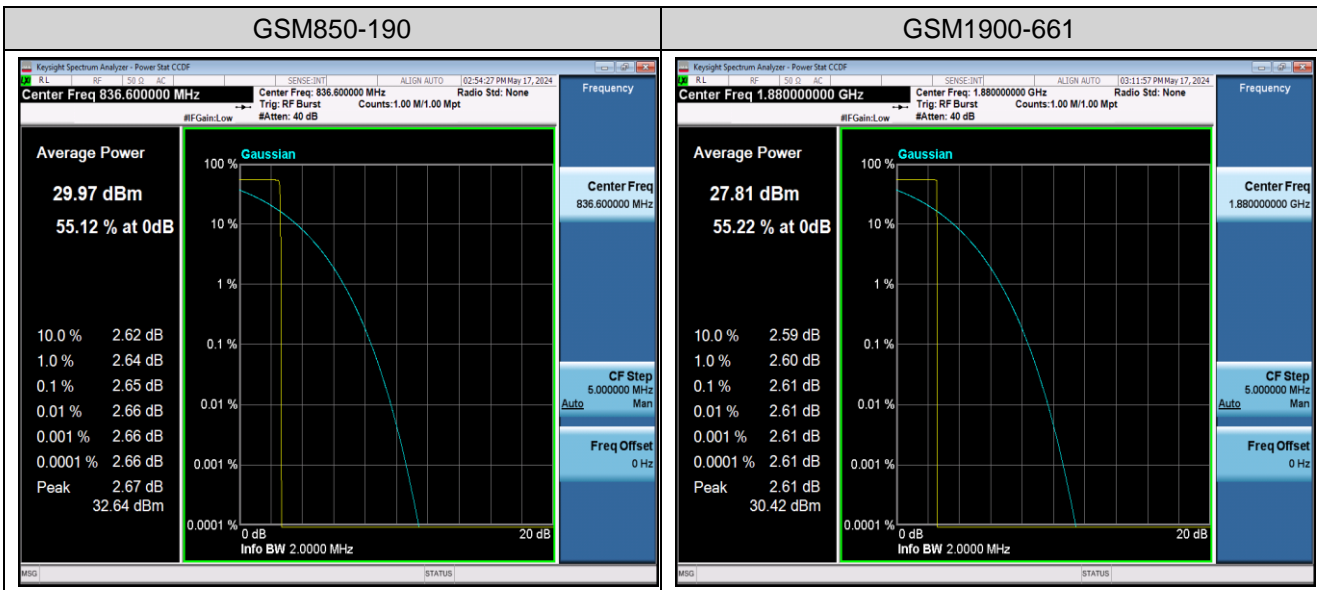
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Channel	PCL	Result(dB)	Limit(dB)	Verdict
GSM850	190	5	2.65	13	PASS
GSM1900	661	0	2.61	13	PASS

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

Test Graphs

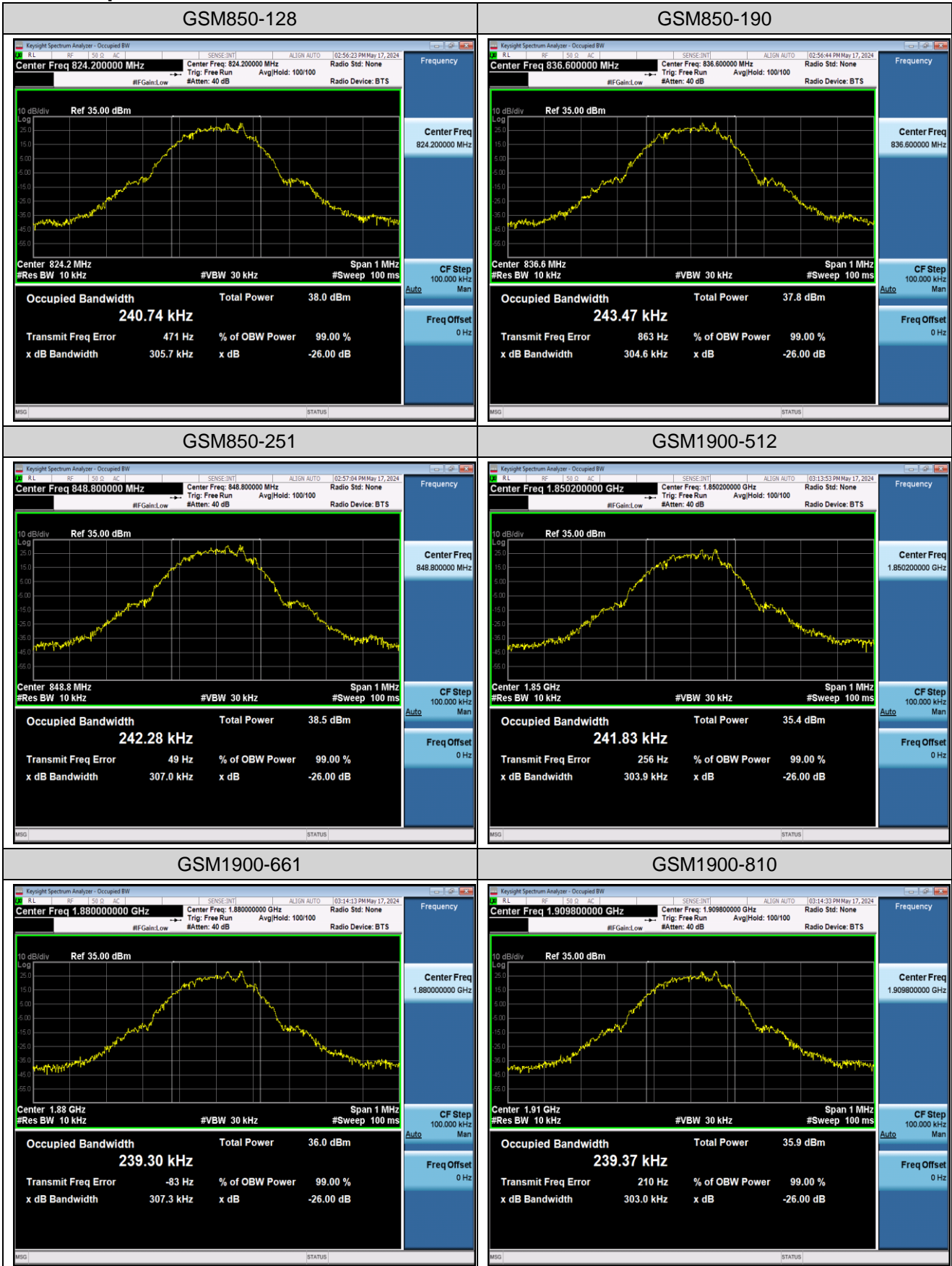


Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	PCL	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	5	0.24074	0.3057	---	PASS
GSM850	190	5	0.24347	0.3046	---	PASS
GSM850	251	5	0.24228	0.3070	---	PASS
GSM1900	512	0	0.24183	0.3039	---	PASS
GSM1900	661	0	0.23930	0.3073	---	PASS
GSM1900	810	0	0.23937	0.3030	---	PASS

Test Graphs

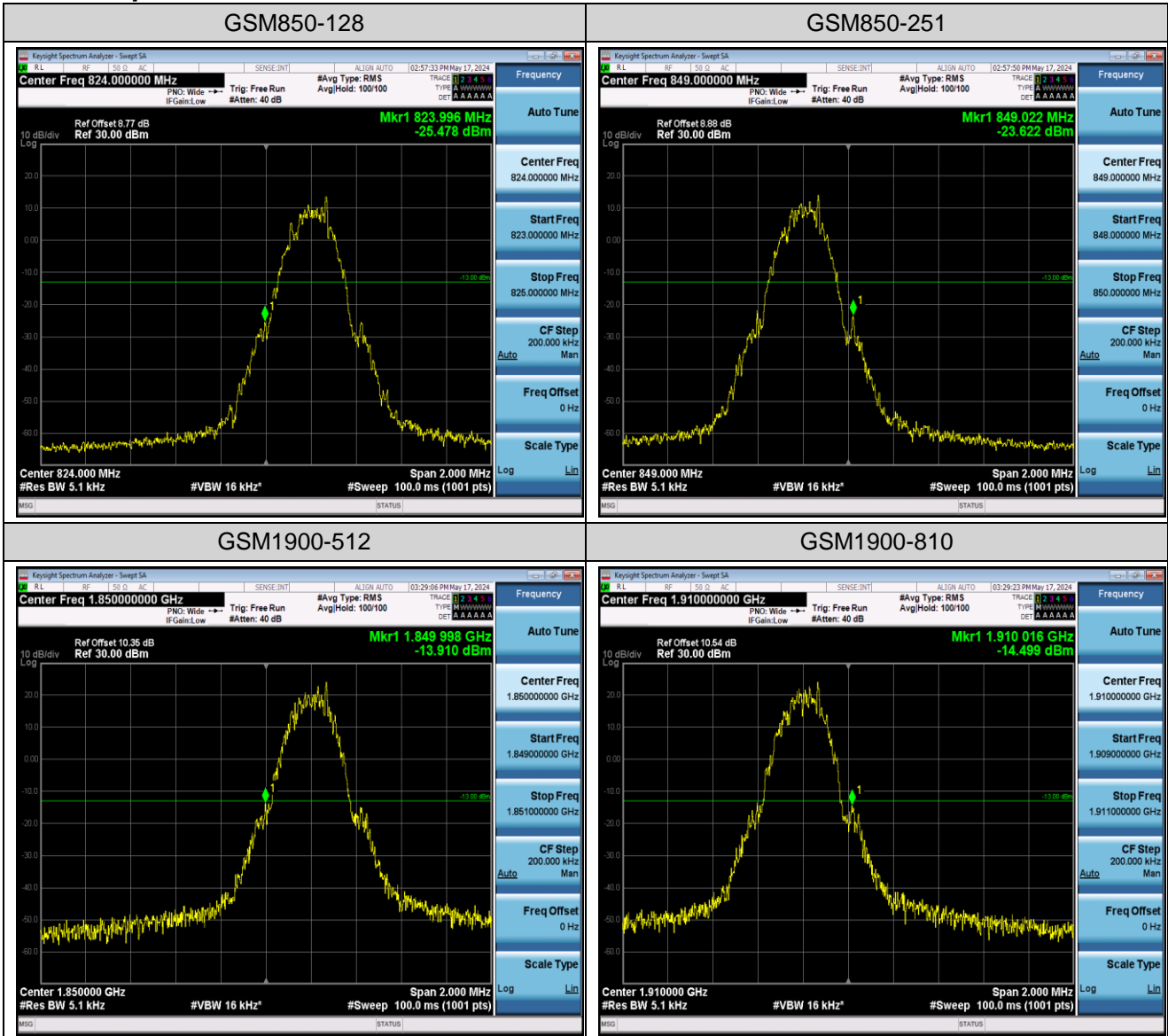


Appendix D: Band Edge

Test Result

Band	Channel	PCL	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	5	824.00	-25.48	-13	PASS
GSM850	251	5	849.02	-23.62	-13	PASS
GSM1900	512	0	1850.00	-13.91	-13	PASS
GSM1900	810	0	1910.02	-14.50	-13	PASS

Test Graphs



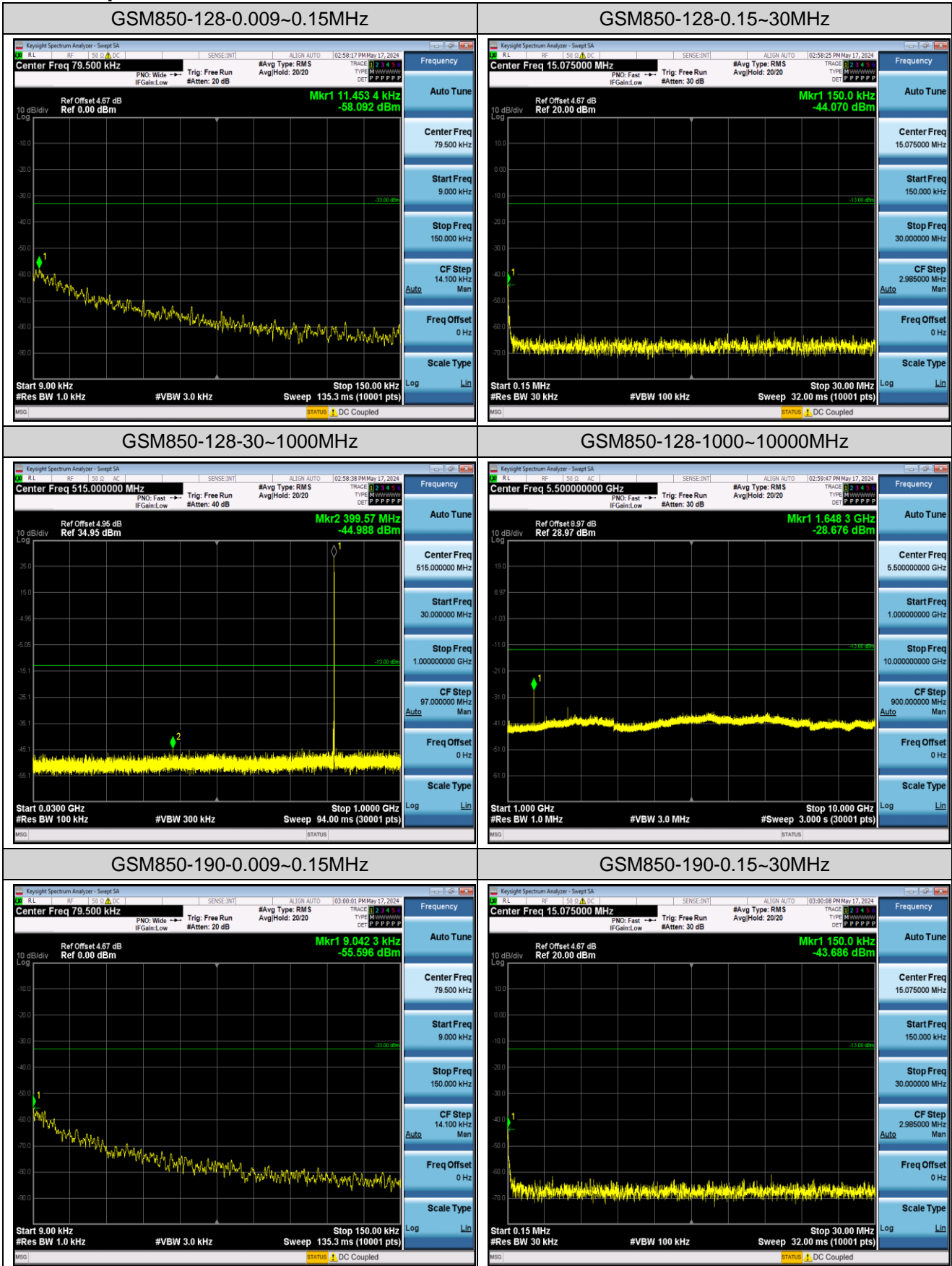
Appendix E: Conducted Spurious Emission

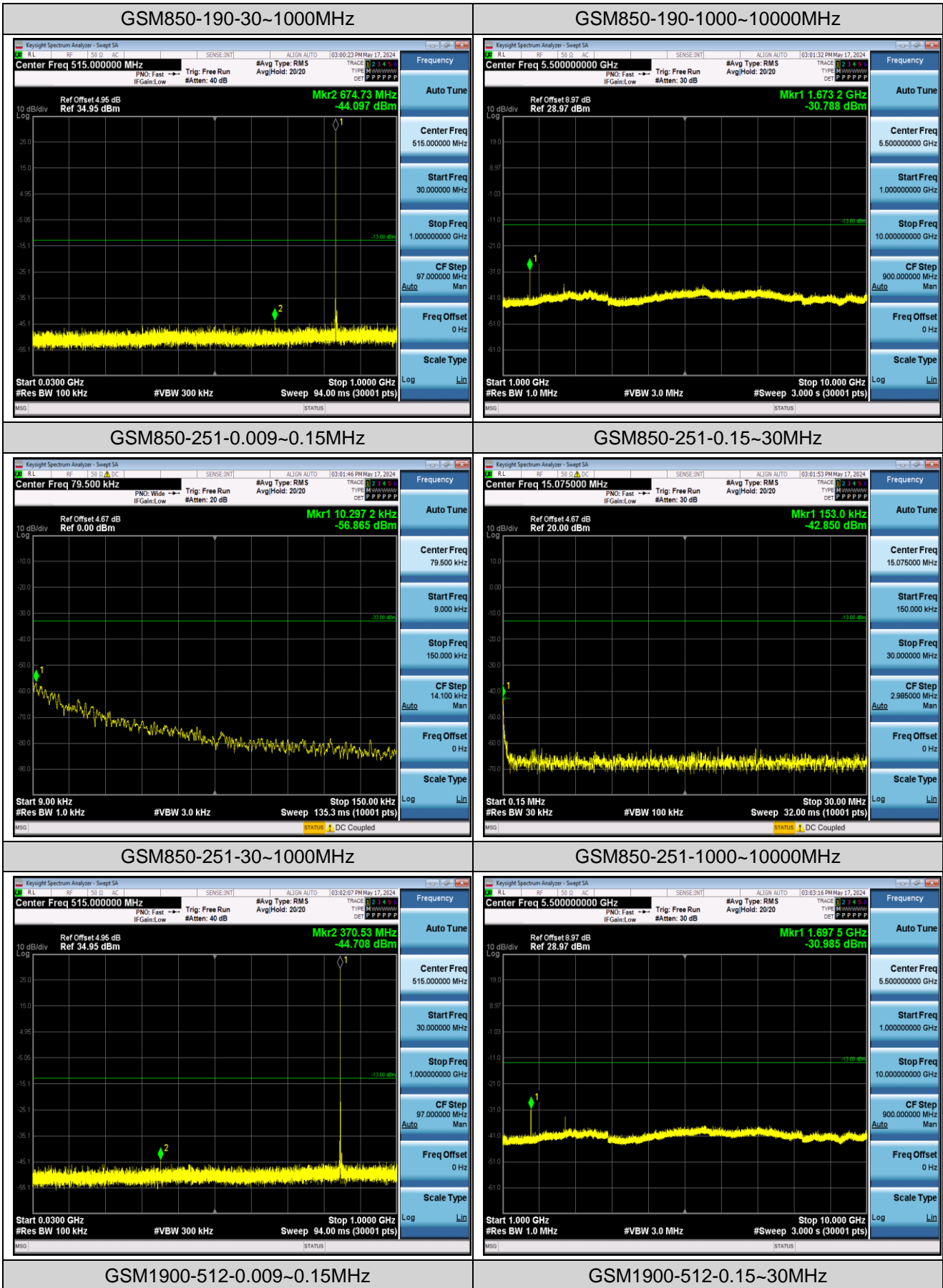
Test Result

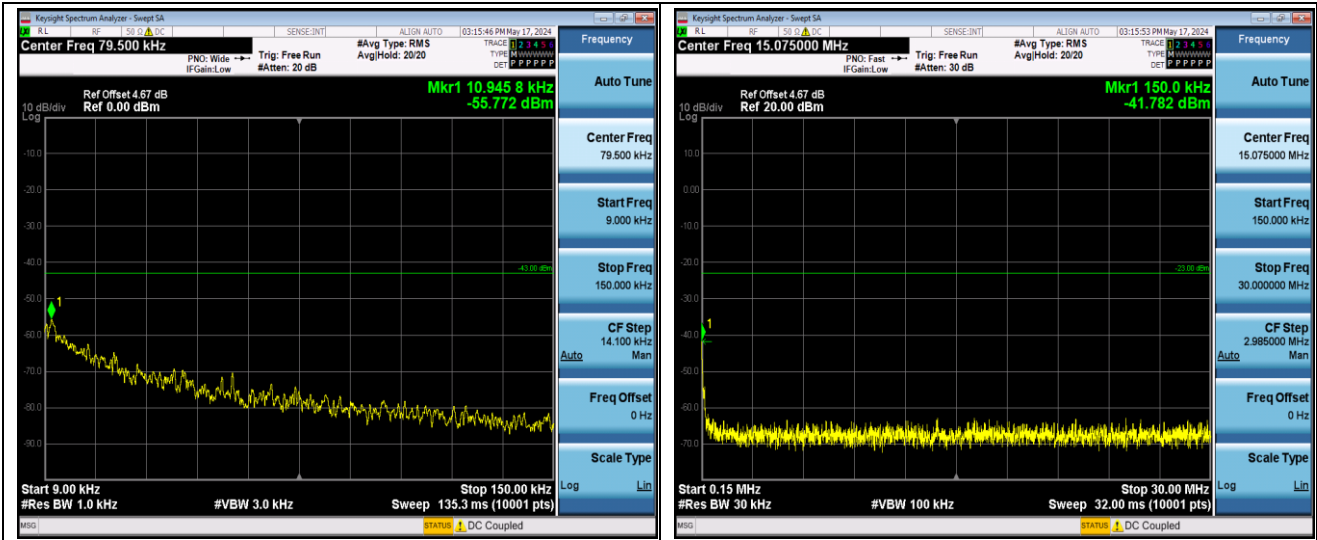
Band	Channel	PCL	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM850	128	5	0.009~0.15MHz	0.01	-58.09	-33	PASS
GSM850	128	5	0.15~30MHz	0.15	-44.07	-13	PASS
GSM850	128	5	30~1000MHz	399.57	-44.99	-13	PASS
GSM850	128	5	1000~10000MHz	1648.3	-28.68	-13	PASS
GSM850	190	5	0.009~0.15MHz	0.01	-55.6	-33	PASS
GSM850	190	5	0.15~30MHz	0.15	-43.69	-13	PASS
GSM850	190	5	30~1000MHz	674.73	-44.1	-13	PASS
GSM850	190	5	1000~10000MHz	1673.2	-30.79	-13	PASS
GSM850	251	5	0.009~0.15MHz	0.01	-56.87	-33	PASS
GSM850	251	5	0.15~30MHz	0.15	-42.85	-13	PASS
GSM850	251	5	30~1000MHz	370.53	-44.71	-13	PASS
GSM850	251	5	1000~10000MHz	1697.5	-30.99	-13	PASS
GSM1900	512	0	0.009~0.15MHz	0.01	-55.77	-43	PASS
GSM1900	512	0	0.15~30MHz	0.15	-41.78	-23	PASS
GSM1900	512	0	30~1000MHz	365.98	-45.95	-13	PASS
GSM1900	512	0	1000~18000MHz	16521.57	-22.04	-13	PASS
GSM1900	661	0	0.009~0.15MHz	0.01	-56.09	-43	PASS
GSM1900	661	0	0.15~30MHz	0.15	-42.03	-23	PASS
GSM1900	661	0	30~1000MHz	836.26	-45.63	-13	PASS
GSM1900	661	0	1000~18000MHz	16059.17	-22.36	-13	PASS
GSM1900	810	0	0.009~0.15MHz	0.01	-55.72	-43	PASS
GSM1900	810	0	0.15~30MHz	0.15	-43.59	-23	PASS
GSM1900	810	0	30~1000MHz	976.4	-45.47	-13	PASS
GSM1900	810	0	1000~18000MHz	16675.13	-21.81	-13	PASS

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

Test Graphs

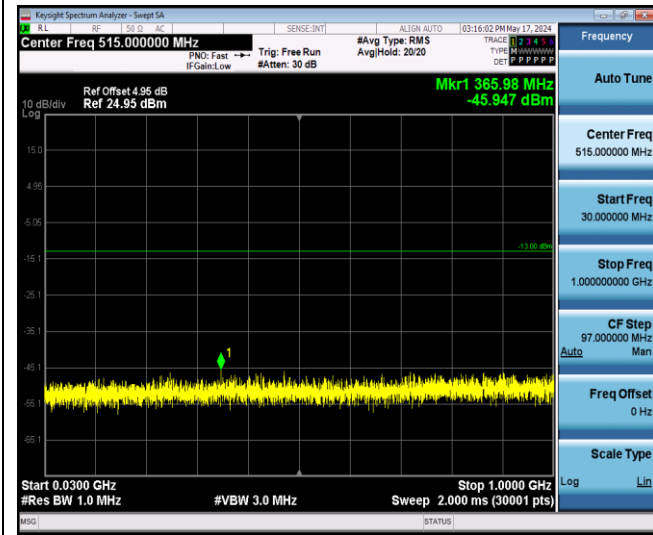






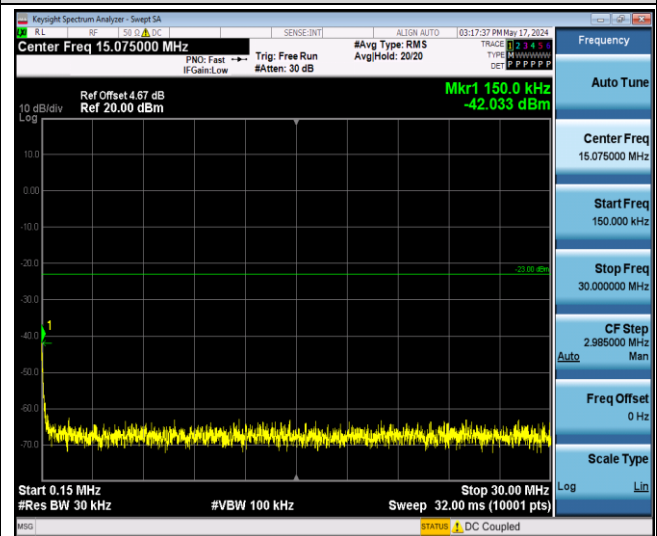
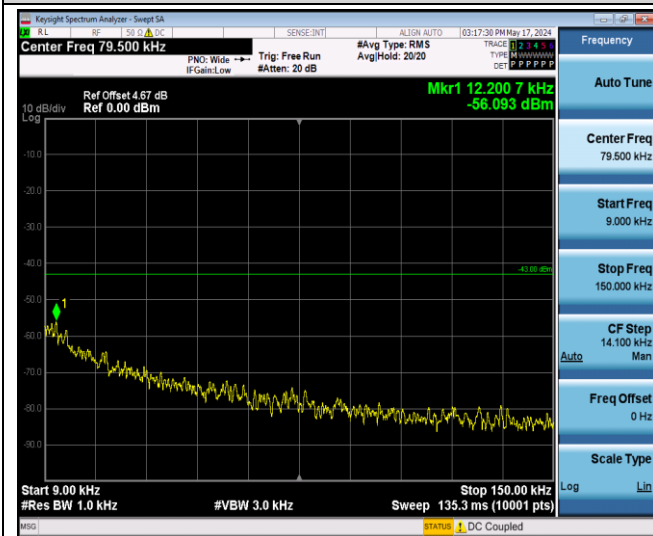
GSM1900-512-30~1000MHz

GSM1900-512-1000~18000MHz



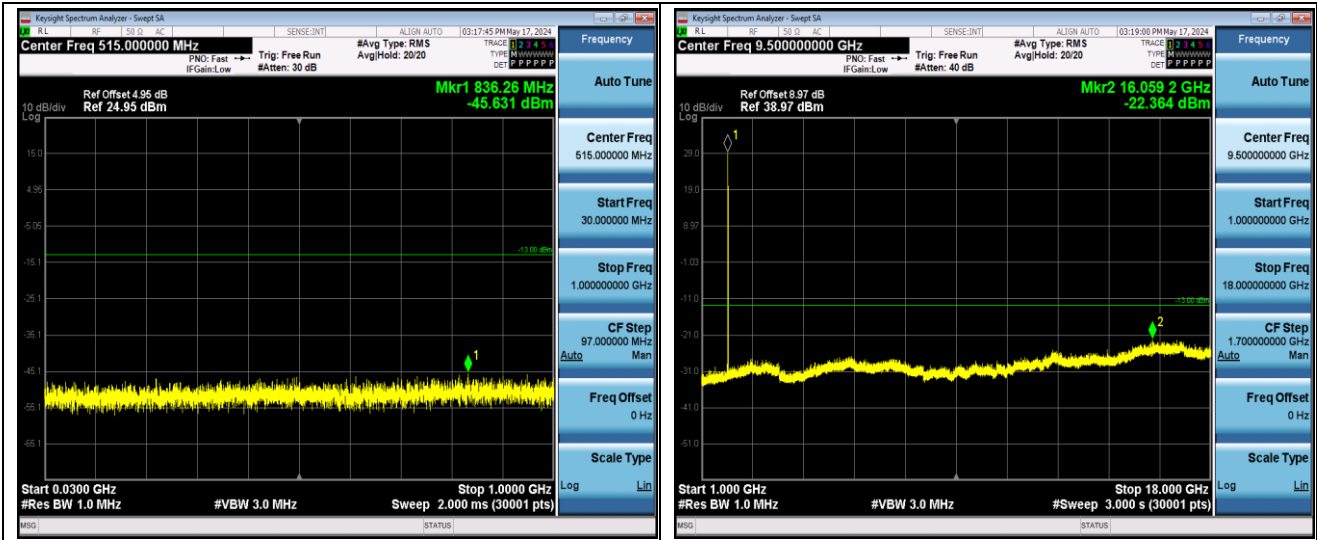
GSM1900-661-0.009~0.15MHz

GSM1900-661-0.15~30MHz



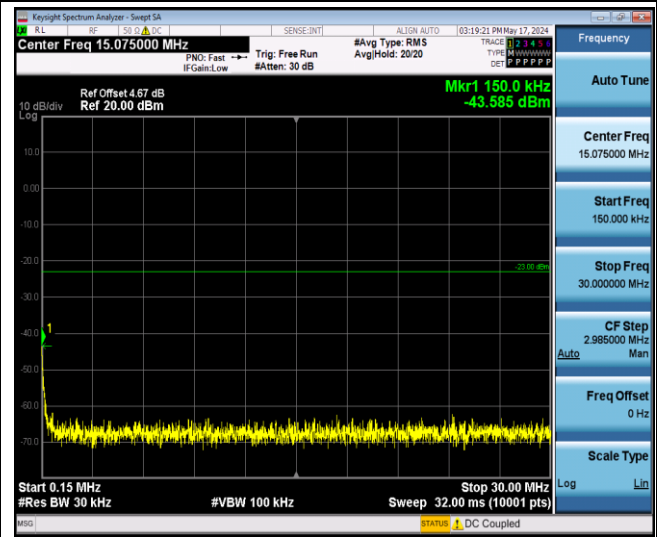
GSM1900-661-30~1000MHz

GSM1900-661-1000~18000MHz



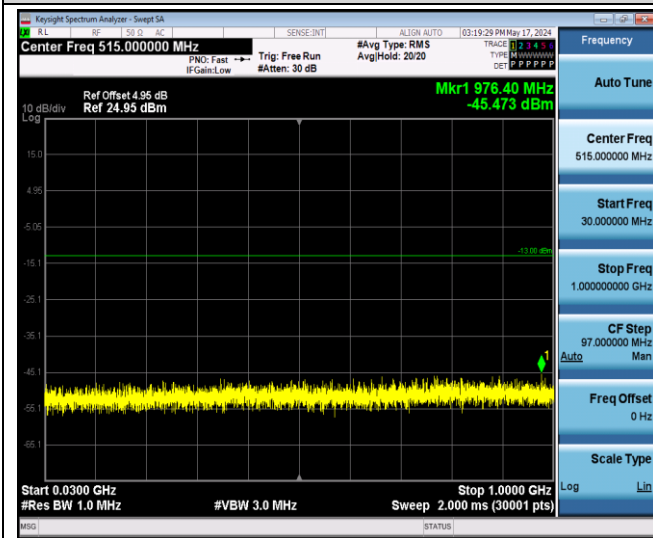
GSM1900-810-0.009~0.15MHz

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=836.6MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	-25.12	-0.030026	±2.5	Pass
	-20	-23.92	-0.028592		
	-10	-25.73	-0.030755		
	0	-16.76	-0.020033		
	10	-27.18	-0.032489		
	20	-27.93	-0.033385		
	30	-27.48	-0.032847		
	40	-26.86	-0.032106		
	50	-24.25	-0.028986		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-25.89	-0.030947	±2.5	Pass
	3.70	-26.70	-0.031915		
	4.20	-25.05	-0.029943		
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		
3.70	-30	-11.07	-0.005888	Within authorized band for PCS 1900	Pass
	-20	-17.31	-0.009207		
	-10	-20.15	-0.010718		
	0	-16.18	-0.008606		
	10	-19.15	-0.010186		
	20	-23.18	-0.012330		
	30	-18.31	-0.009739		
	40	-13.59	-0.007229		
	50	-13.11	-0.006973		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-14.08	-0.007489	Within authorized band for PCS 1900	Pass
	3.70	-11.33	-0.006027		
	4.20	-10.98	-0.005840		
<i>Remark: All channel had been tested, but only the worst case data displayed in this report.</i>					

Appendix G: Modulation Characteristics

Test Result

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

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

Test Graphs

