

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	32.27	30.92	38.45	PASS
GSM850	190	5	32.33	30.98	38.45	PASS
GSM850	251	5	32.23	30.88	38.45	PASS
GSM1900	512	0	28.78	29.88	33.00	PASS
GSM1900	661	0	28.71	29.81	33.00	PASS
GSM1900	810	0	28.75	29.85	33.00	PASS

Band	Channel	PCL	Slot	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
GPRS850	128	5	1	32.33	30.98	38.45	PASS
GPRS850	128	5	2	31.73	30.38	38.45	PASS
GPRS850	128	5	3	30.11	28.76	38.45	PASS
GPRS850	128	5	4	28.96	27.61	38.45	PASS
GPRS850	190	5	1	32.37	31.02	38.45	PASS
GPRS850	190	5	2	31.82	30.47	38.45	PASS
GPRS850	190	5	3	30.28	28.93	38.45	PASS
GPRS850	190	5	4	29.18	27.83	38.45	PASS
GPRS850	251	5	1	32.27	30.92	38.45	PASS
GPRS850	251	5	2	31.71	30.36	38.45	PASS
GPRS850	251	5	3	30.13	28.78	38.45	PASS
GPRS850	251	5	4	28.98	27.63	38.45	PASS
GPRS1900	512	0	1	28.84	29.94	33.00	PASS
GPRS1900	512	0	2	28.18	29.28	33.00	PASS
GPRS1900	512	0	3	26.54	27.64	33.00	PASS
GPRS1900	512	0	4	25.38	26.48	33.00	PASS
GPRS1900	661	0	1	28.83	29.93	33.00	PASS
GPRS1900	661	0	2	28.20	29.30	33.00	PASS
GPRS1900	661	0	3	26.55	27.65	33.00	PASS
GPRS1900	661	0	4	25.42	26.52	33.00	PASS
GPRS1900	810	0	1	28.87	29.97	33.00	PASS
GPRS1900	810	0	2	28.28	29.38	33.00	PASS
GPRS1900	810	0	3	26.71	27.81	33.00	PASS
GPRS1900	810	0	4	25.61	26.71	33.00	PASS

Remark: EIRP (dBm) = Conducted power (dBm) + Antenna Gain (dBi). (For GSM1900)

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

JianYan Testing Group Shenzhen Co., Ltd.

No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

Tel: +86-755-23118282, Fax: +86-755-23116366

Project No.: JYTSZR2210060

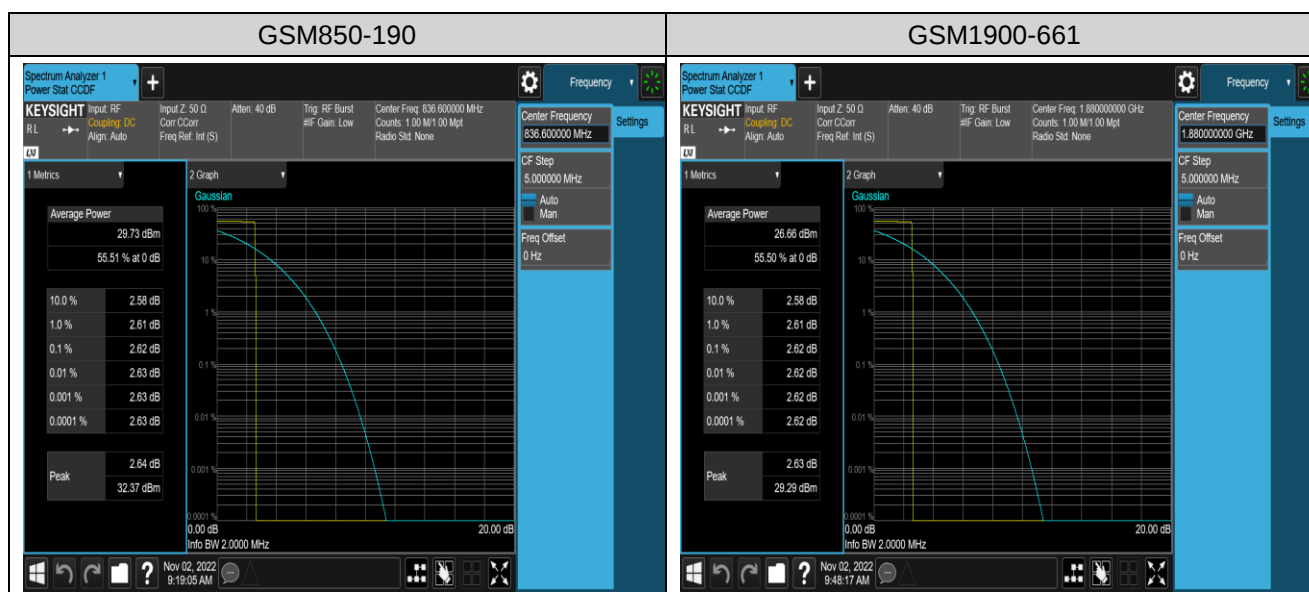
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Channel	PCL	Result(dB)	Limit(dB)	Verdict
GSM850	190	5	2.62	13	PASS
GSM1900	661	0	2.62	13	PASS

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

Test Graphs

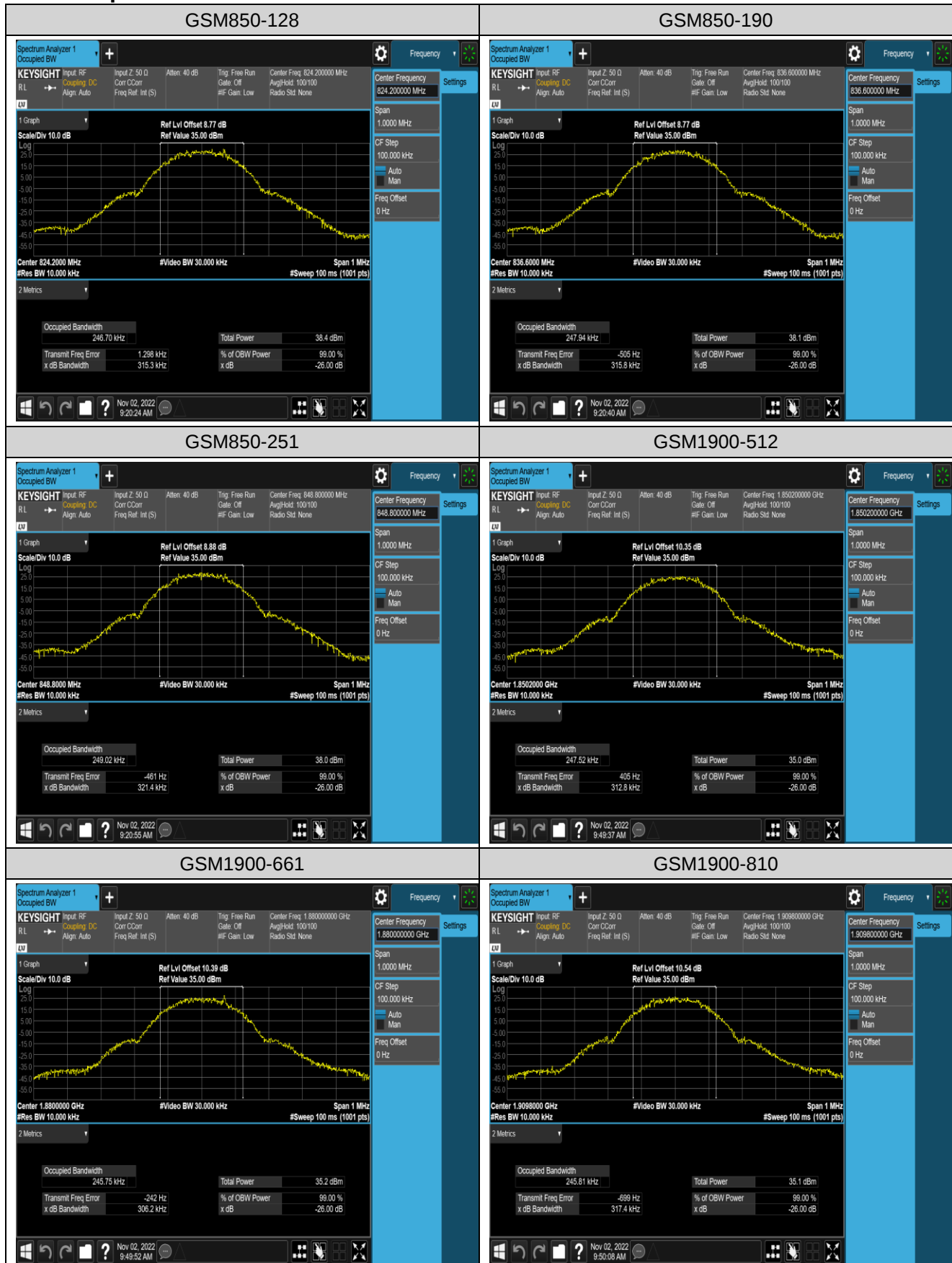


Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	PCL	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	5	0.24670	0.3153	---	PASS
GSM850	190	5	0.24794	0.3158	---	PASS
GSM850	251	5	0.24902	0.3214	---	PASS
GSM1900	512	0	0.24752	0.3128	---	PASS
GSM1900	661	0	0.24575	0.3062	---	PASS
GSM1900	810	0	0.24581	0.3174	---	PASS

Test Graphs



JianYan Testing Group Shenzhen Co., Ltd.

No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

Tel: +86-755-23118282, Fax: +86-755-23116366

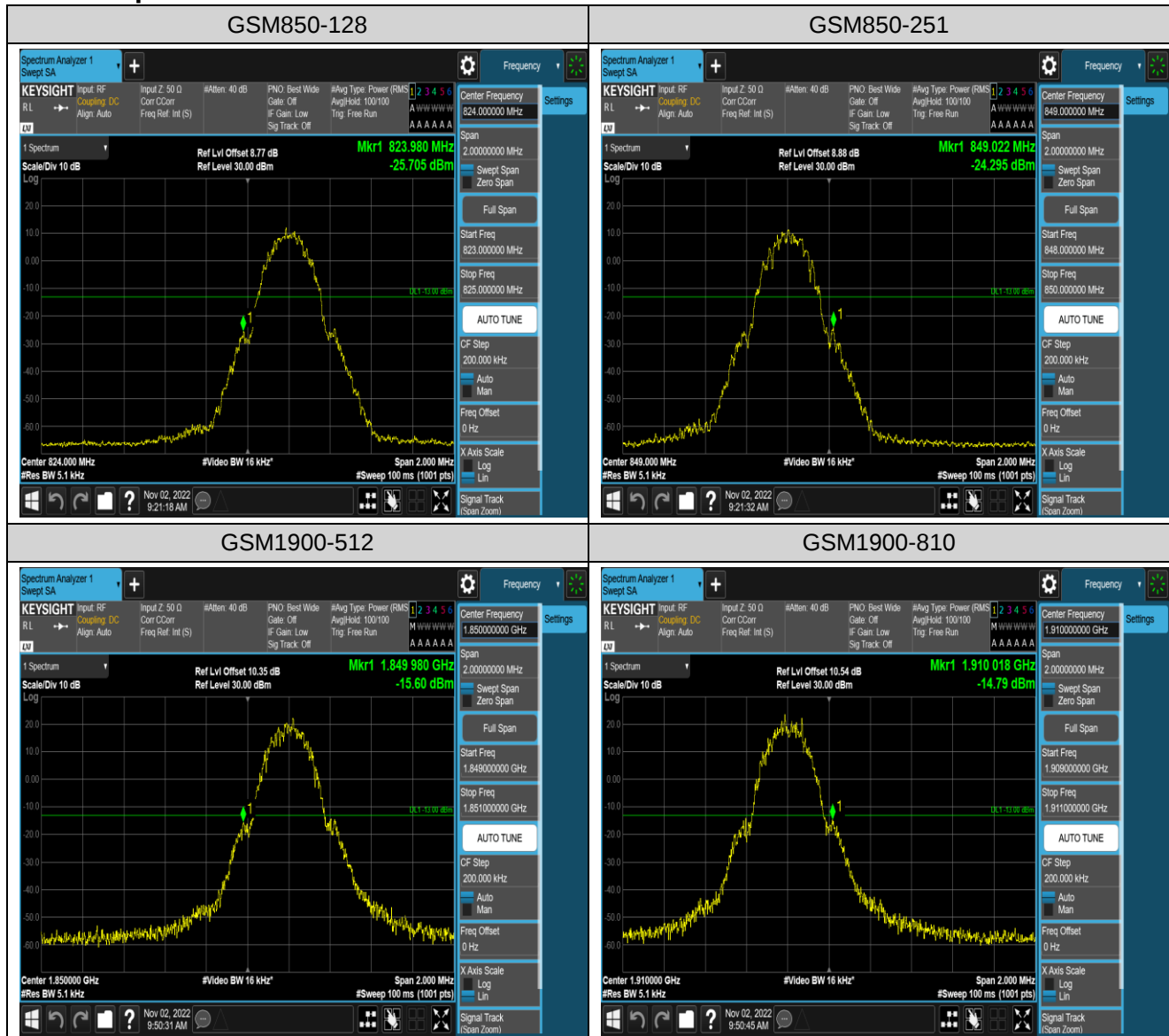
Project No.: JYTSZR2210060

Appendix D: Band Edge

Test Result

Band	Channel	PCL	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	5	823.98	-25.71	-13	PASS
GSM850	251	5	849.02	-24.30	-13	PASS
GSM1900	512	0	1849.98	-15.60	-13	PASS
GSM1900	810	0	1910.02	-14.79	-13	PASS

Test Graphs



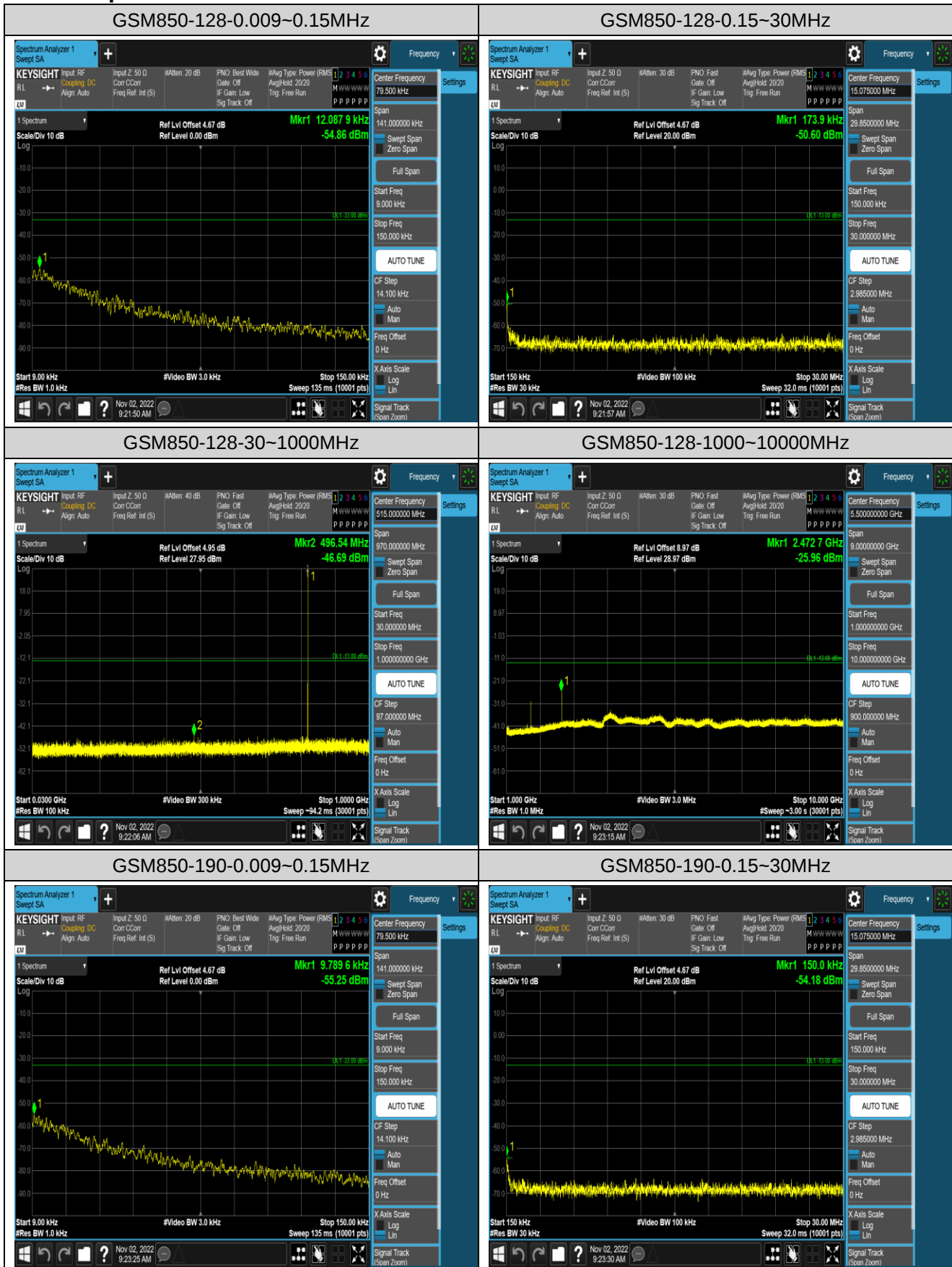
Appendix E: Conducted Spurious Emission

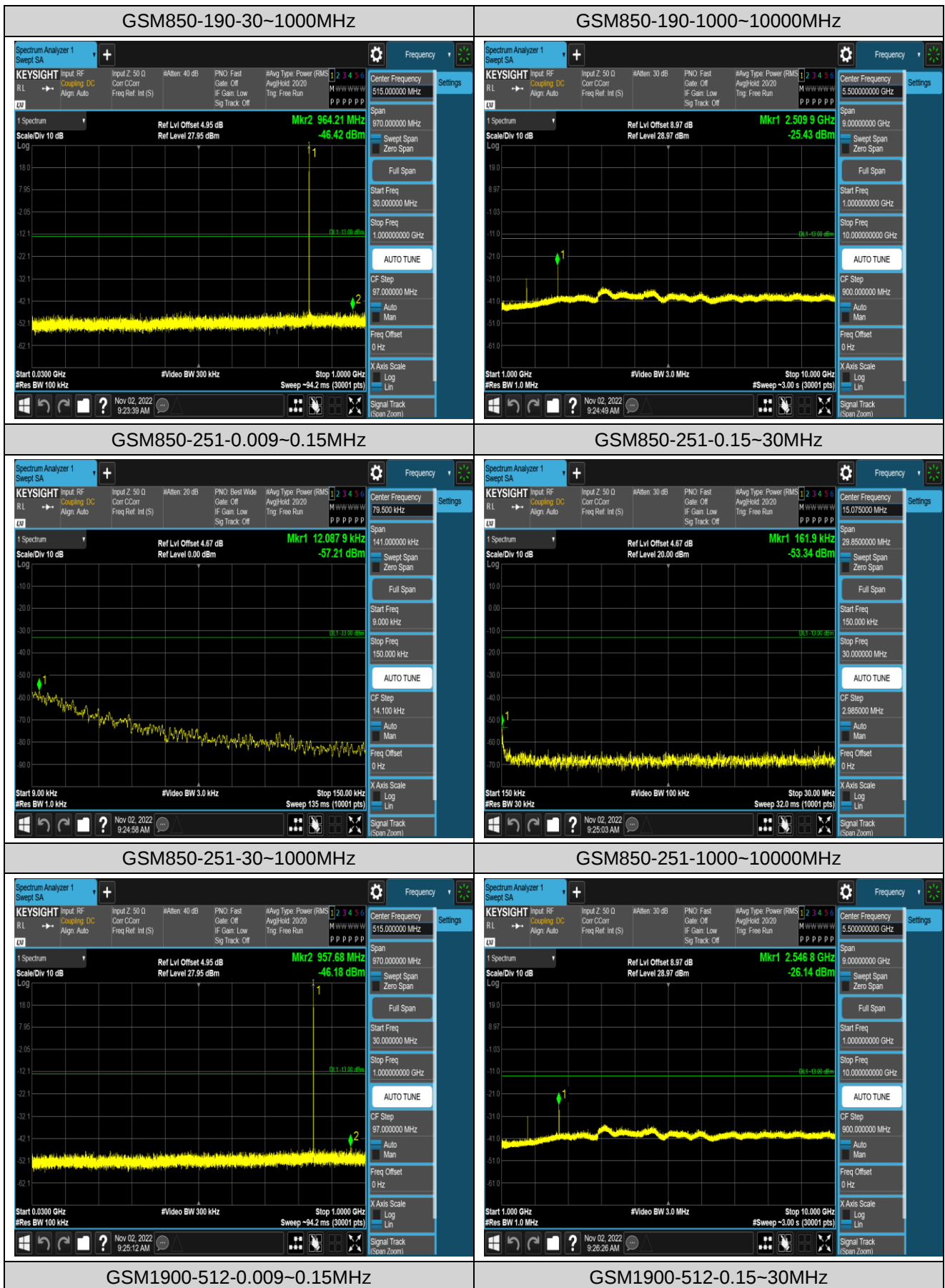
Test Result

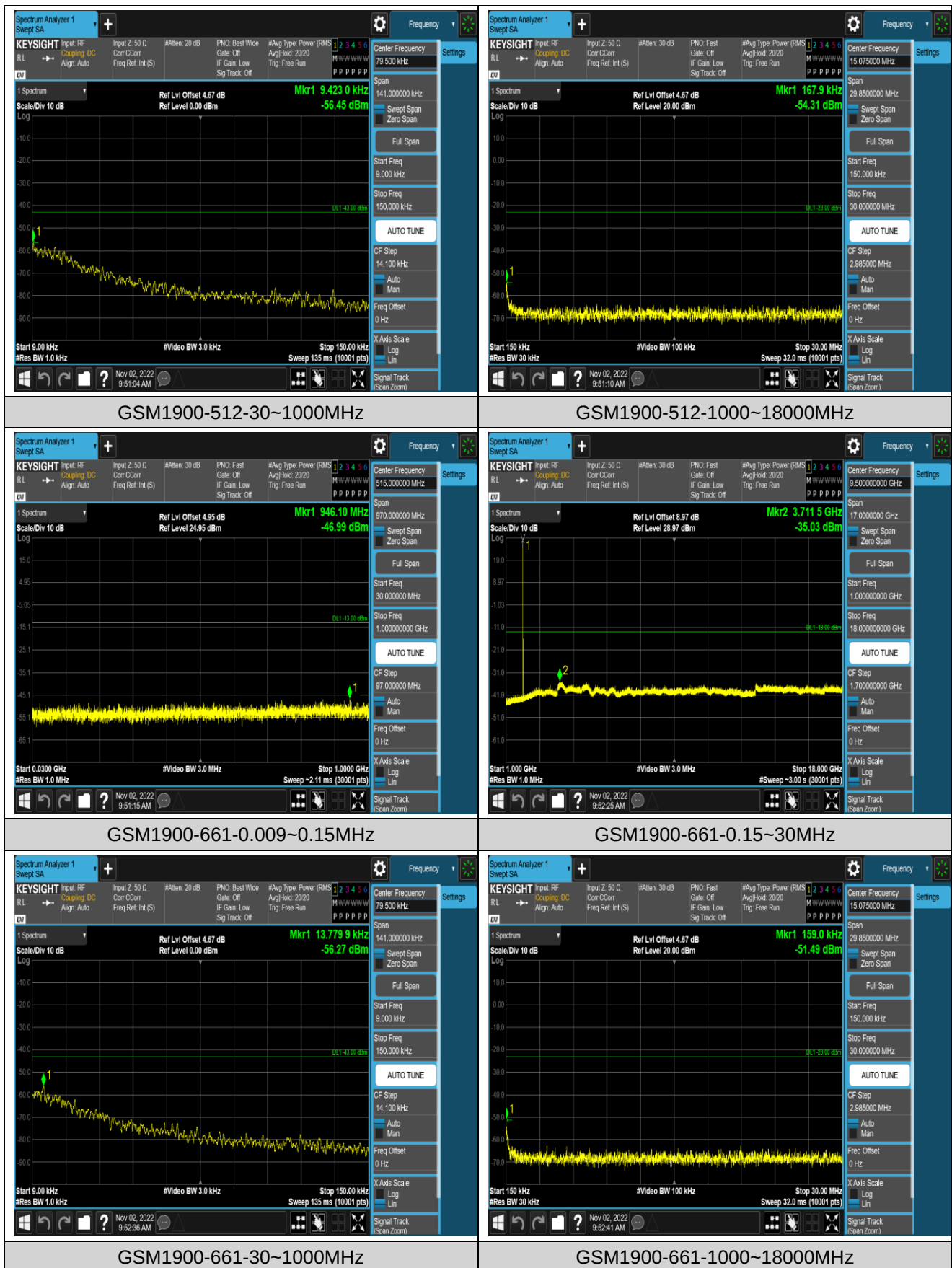
Band	Channel	PCL	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM850	128	5	0.009~0.15MHz	0.01	-54.86	-33	PASS
GSM850	128	5	0.15~30MHz	0.17	-50.6	-13	PASS
GSM850	128	5	30~1000MHz	496.54	-46.69	-13	PASS
GSM850	128	5	1000~10000MHz	2472.7	-25.96	-13	PASS
GSM850	190	5	0.009~0.15MHz	0.01	-55.25	-33	PASS
GSM850	190	5	0.15~30MHz	0.15	-54.18	-13	PASS
GSM850	190	5	30~1000MHz	964.21	-46.42	-13	PASS
GSM850	190	5	1000~10000MHz	2509.9	-25.43	-13	PASS
GSM850	251	5	0.009~0.15MHz	0.01	-57.21	-33	PASS
GSM850	251	5	0.15~30MHz	0.16	-53.34	-13	PASS
GSM850	251	5	30~1000MHz	957.68	-46.18	-13	PASS
GSM850	251	5	1000~10000MHz	2546.8	-26.14	-13	PASS
GSM1900	512	0	0.009~0.15MHz	0.01	-56.45	-43	PASS
GSM1900	512	0	0.15~30MHz	0.17	-54.31	-23	PASS
GSM1900	512	0	30~1000MHz	946.1	-46.99	-13	PASS
GSM1900	512	0	1000~18000MHz	3711.5	-35.04	-13	PASS
GSM1900	661	0	0.009~0.15MHz	0.01	-56.27	-43	PASS
GSM1900	661	0	0.15~30MHz	0.16	-51.49	-23	PASS
GSM1900	661	0	30~1000MHz	998.97	-47.1	-13	PASS
GSM1900	661	0	1000~18000MHz	3750.6	-34.56	-13	PASS
GSM1900	810	0	0.009~0.15MHz	0.01	-55.57	-43	PASS
GSM1900	810	0	0.15~30MHz	0.16	-52.93	-23	PASS
GSM1900	810	0	30~1000MHz	909.76	-46.79	-13	PASS
GSM1900	810	0	1000~18000MHz	3870.17	-34.65	-13	PASS

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

Test Graphs









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	0	19.05	0.022771	±2.5	Pass
	10	19.40	0.023189		
	20	18.08	0.021611		
	30	18.85	0.022532		
	40	18.63	0.022269		
	50	18.44	0.022042		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.33	16.82	0.020105	±2.5	Pass
	3.70	16.05	0.019185		
	4.40	19.24	0.022998		
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	0	42.04	0.022362	Within authorized band for PCS 1900	Pass
	10	39.23	0.020867		
	20	42.39	0.022548		
	30	38.87	0.020676		
	40	39.97	0.021261		
	50	45.30	0.024096		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.33	21.11	0.011229	Within authorized band for PCS 1900	Pass
	3.70	23.89	0.012707		
	4.40	27.93	0.014856		
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
GSM1900	661	PASS	PASS

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

Test Graphs

