

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	33.00	24.86	38.45	PASS
GSM850	190	5	33.22	25.08	38.45	PASS
GSM850	251	5	33.22	25.08	38.45	PASS
GSM1900	512	0	29.12	26.74	33.00	PASS
GSM1900	661	0	29.38	27	33.00	PASS
GSM1900	810	0	28.99	26.61	33.00	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	PCL	Result(dB)	Limit(dB)	Verdict
GSM850	190	5	2.64	13	PASS
GSM1900	661	0	2.65	13	PASS

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

Test Graphs

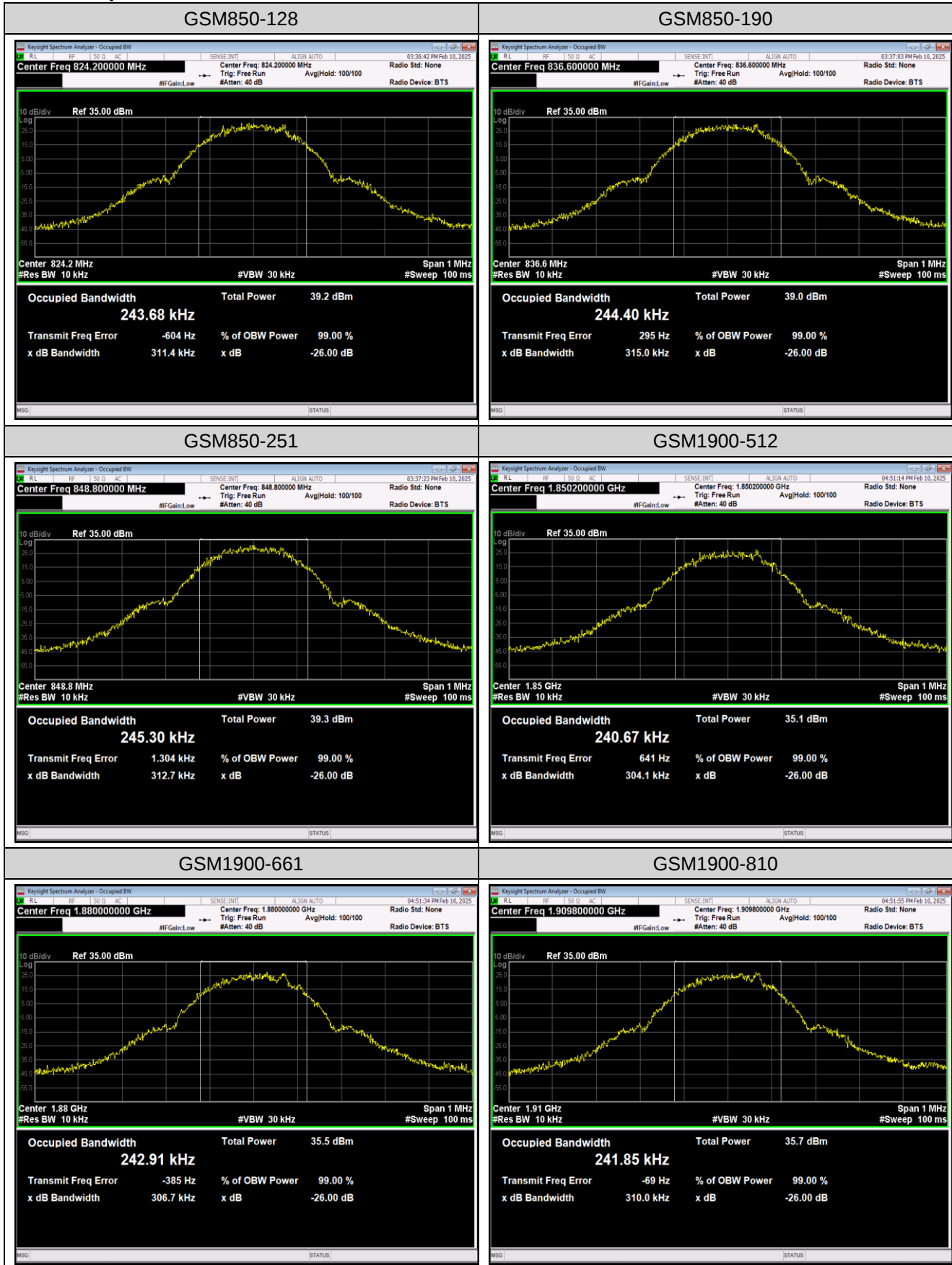


Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	PCL	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	5	0.24368	0.3114	---	PASS
GSM850	190	5	0.24440	0.3150	---	PASS
GSM850	251	5	0.24530	0.3127	---	PASS
GSM1900	512	0	0.24067	0.3041	---	PASS
GSM1900	661	0	0.24291	0.3067	---	PASS
GSM1900	810	0	0.24185	0.3100	---	PASS

Test Graphs

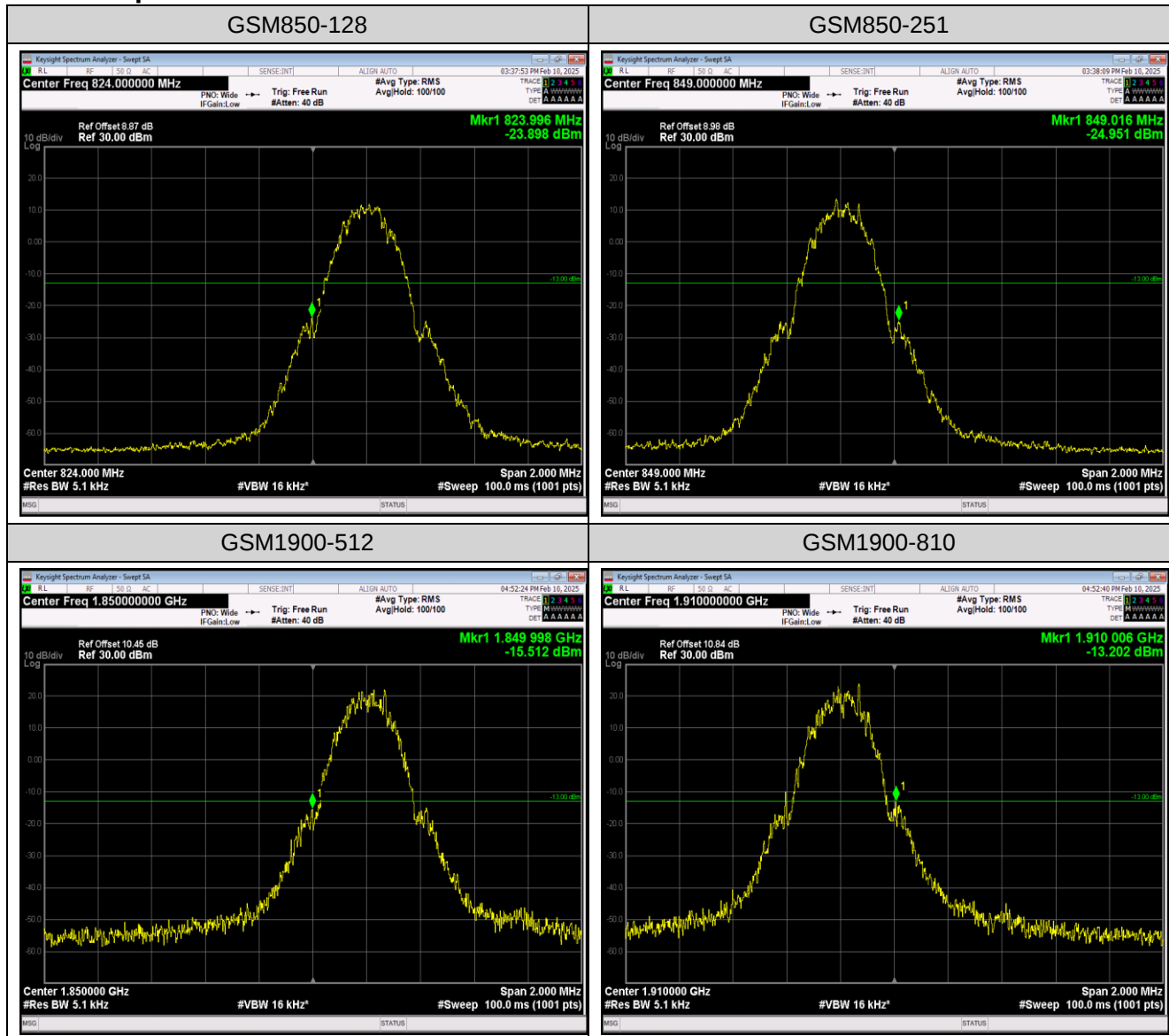


Appendix D: Band Edge

Test Result

Band	Channel	PCL	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	5	824.00	-23.90	-13	PASS
GSM850	251	5	849.02	-24.95	-13	PASS
GSM1900	512	0	1850.00	-15.51	-13	PASS
GSM1900	810	0	1910.01	-13.20	-13	PASS

Test Graphs



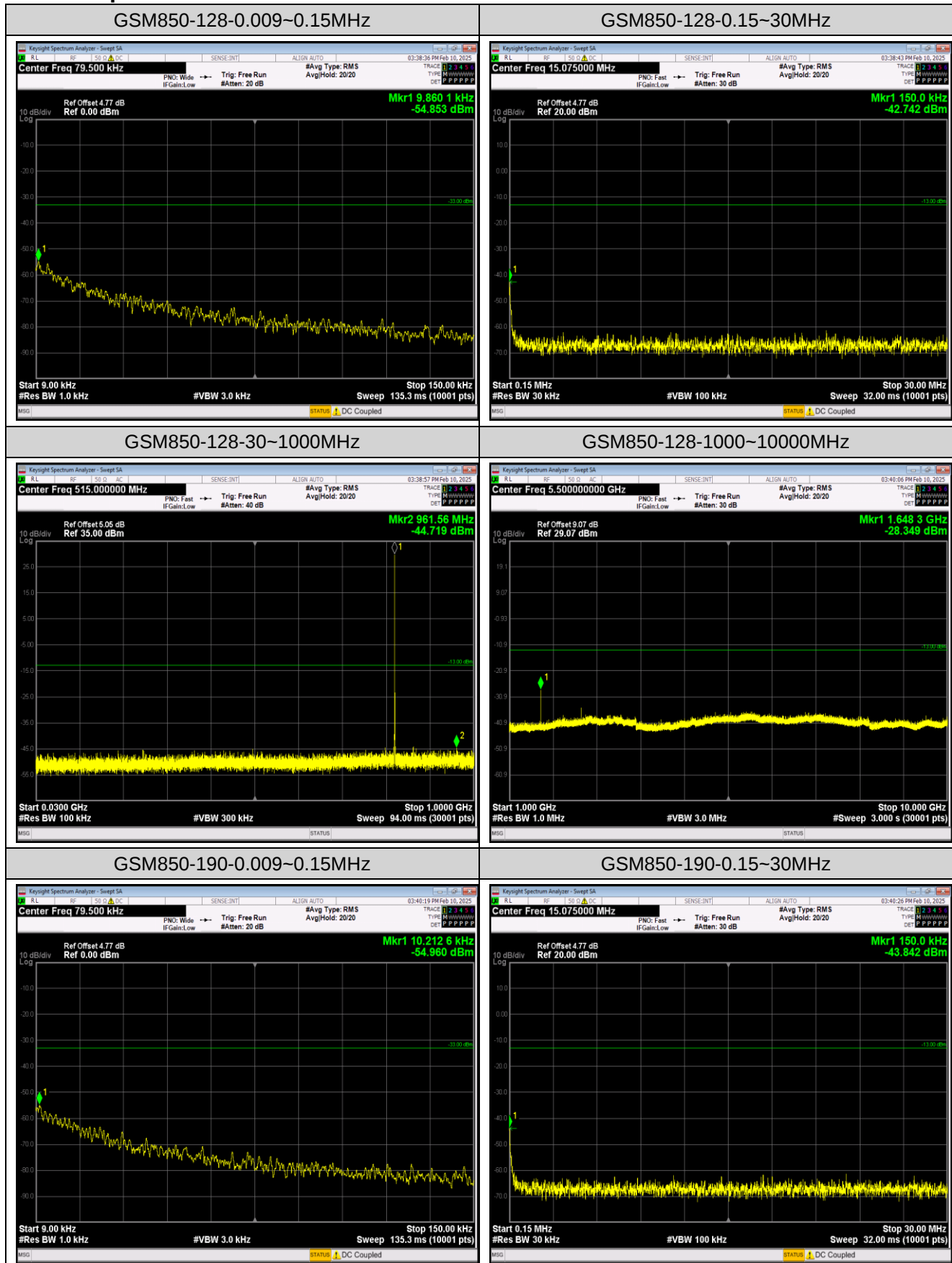
Appendix E: Conducted Spurious Emission

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	-54.85	-33	PASS
GSM850	128	5	0.15~30MHz	0.15	-42.74	-13	PASS
GSM850	128	5	30~1000MHz	961.56	-44.72	-13	PASS
GSM850	128	5	1000~10000MHz	1648.3	-28.35	-13	PASS
GSM850	190	5	0.009~0.15MHz	0.01	-54.96	-33	PASS
GSM850	190	5	0.15~30MHz	0.15	-43.84	-13	PASS
GSM850	190	5	30~1000MHz	379.39	-44.85	-13	PASS
GSM850	190	5	1000~10000MHz	1673.2	-29.82	-13	PASS
GSM850	251	5	0.009~0.15MHz	0.01	-56.06	-33	PASS
GSM850	251	5	0.15~30MHz	0.15	-41.09	-13	PASS
GSM850	251	5	30~1000MHz	631.95	-44.95	-13	PASS
GSM850	251	5	1000~10000MHz	1697.5	-30.17	-13	PASS
GSM1900	512	0	0.009~0.15MHz	0.01	-54.98	-43	PASS
GSM1900	512	0	0.15~30MHz	0.17	-43.43	-23	PASS
GSM1900	512	0	30~1000MHz	950.66	-45.4	-13	PASS
GSM1900	512	0	1000~18000MHz	16885.93	-21.82	-13	PASS
GSM1900	661	0	0.009~0.15MHz	0.01	-55.06	-43	PASS
GSM1900	661	0	0.15~30MHz	0.16	-43.46	-23	PASS
GSM1900	661	0	30~1000MHz	920.62	-45.25	-13	PASS
GSM1900	661	0	1000~18000MHz	16968.67	-21.67	-13	PASS
GSM1900	810	0	0.009~0.15MHz	0.01	-55.55	-43	PASS
GSM1900	810	0	0.15~30MHz	0.15	-41.55	-23	PASS
GSM1900	810	0	30~1000MHz	896.44	-44.94	-13	PASS
GSM1900	810	0	1000~18000MHz	17000.4	-22.16	-13	PASS

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

Test Graphs

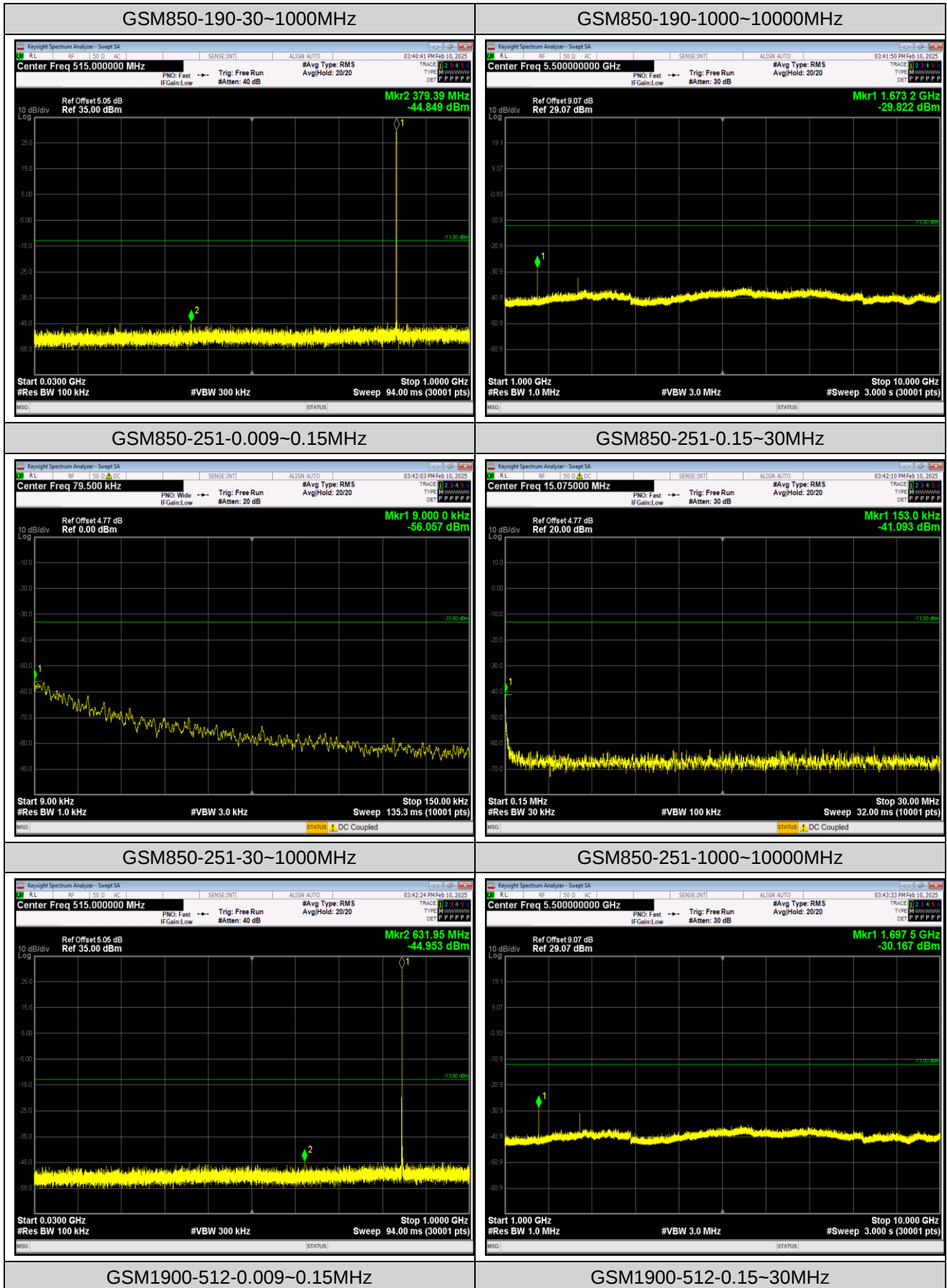


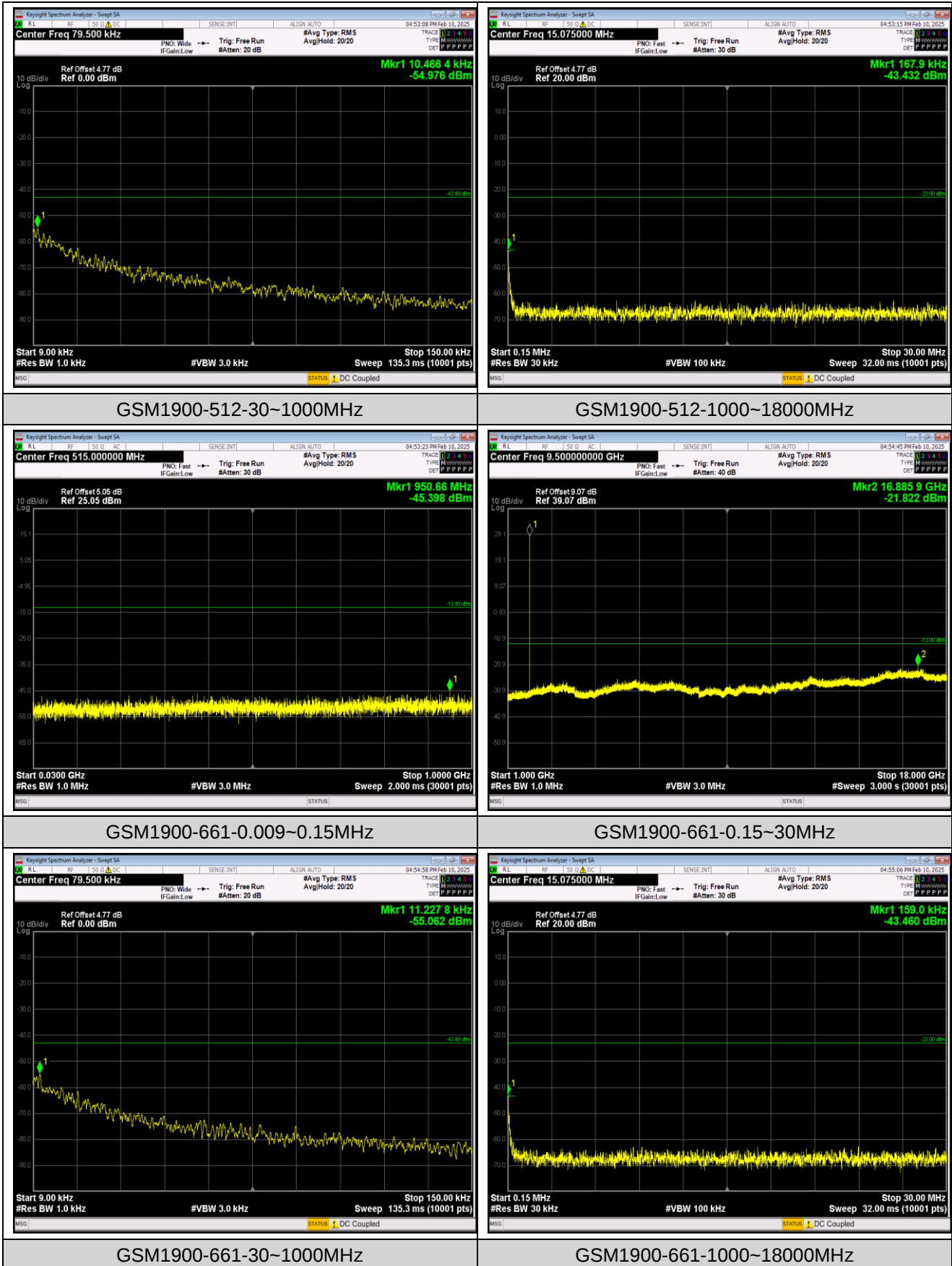
JianYan Testing Group Shenzhen Co., Ltd.

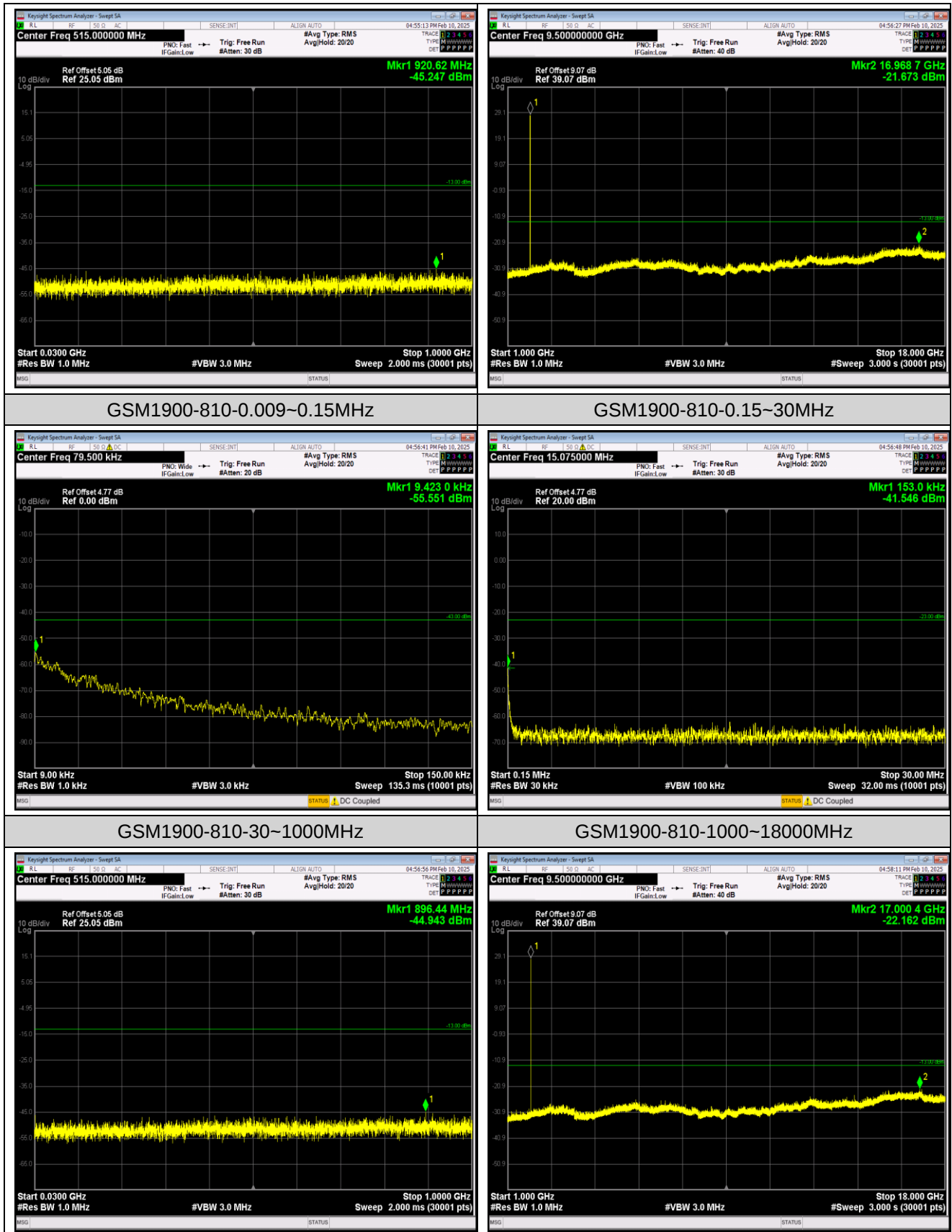
No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

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

Project No.: JYTSZR2501048







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		
3.85	-30	5.52	0.006598	±2.5	Pass
	-20	5.17	0.006180		
	-10	-4.55	-0.005439		
	0	0.55	0.000657		
	10	1.58	0.001889		
	20	-4.36	-0.005212		
	30	1.52	0.001817		
	40	1.74	0.002080		
	50	1.87	0.002235		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	1.49	0.001781	±2.5	Pass
	3.85	-1.32	-0.001578		
	4.40	2.52	0.003012		
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 (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.85	-30	6.84	0.003638	Within authorized band for PCS 1900	Pass
	-20	1.94	0.001032		
	-10	-1.42	-0.000755		
	0	0.16	0.000085		
	10	2.23	0.001186		
	20	6.04	0.003213		
	30	9.75	0.005186		
	40	-4.13	-0.002197		
	50	7.17	0.003814		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	9.78	0.005202	Within authorized band for PCS 1900	Pass
	3.85	5.78	0.003074		
	4.40	8.36	0.004447		
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

