

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	33.85	32.21	38.45	PASS
GSM850	190	5	33.80	32.16	38.45	PASS
GSM850	251	5	33.83	32.19	38.45	PASS
GSM1900	512	0	25.38	26.38	33.00	PASS
GSM1900	661	0	25.00	26	33.00	PASS
GSM1900	810	0	25.77	26.77	33.00	PASS

Band	Channel	PCL	Slot	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
GPRS850	128	5	1	33.89	32.25	38.45	PASS
GPRS850	128	5	2	31.68	30.04	38.45	PASS
GPRS850	128	5	3	29.77	28.13	38.45	PASS
GPRS850	128	5	4	27.58	25.94	38.45	PASS
GPRS850	190	5	1	33.82	32.18	38.45	PASS
GPRS850	190	5	2	31.66	30.02	38.45	PASS
GPRS850	190	5	3	29.76	28.12	38.45	PASS
GPRS850	190	5	4	27.57	25.93	38.45	PASS
GPRS850	251	5	1	33.84	32.2	38.45	PASS
GPRS850	251	5	2	31.53	29.89	38.45	PASS
GPRS850	251	5	3	29.58	27.94	38.45	PASS
GPRS850	251	5	4	27.36	25.72	38.45	PASS
GPRS1900	512	0	1	25.25	26.25	33.00	PASS
GPRS1900	512	0	2	22.21	23.21	33.00	PASS
GPRS1900	512	0	3	20.58	21.58	33.00	PASS
GPRS1900	512	0	4	18.28	19.28	33.00	PASS
GPRS1900	661	0	1	24.83	25.83	33.00	PASS
GPRS1900	661	0	2	22.55	23.55	33.00	PASS
GPRS1900	661	0	3	20.92	21.92	33.00	PASS
GPRS1900	661	0	4	18.60	19.6	33.00	PASS
GPRS1900	810	0	1	25.60	26.6	33.00	PASS
GPRS1900	810	0	2	23.35	24.35	33.00	PASS
GPRS1900	810	0	3	21.72	22.72	33.00	PASS
GPRS1900	810	0	4	19.39	20.39	33.00	PASS

Band	Channel	PCL	Slot	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
@FCC_EGPRS_Effective_Isotropic_radiated_power_E@							
BandName	Channel	PCL	TestSlot	Result	EIRP	Limit	Verdict

Remark: $EIRP (dBm) = \text{Conducted power (dBm)} + \text{Antenna Gain (dBi)}$. (For GSM1900)

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

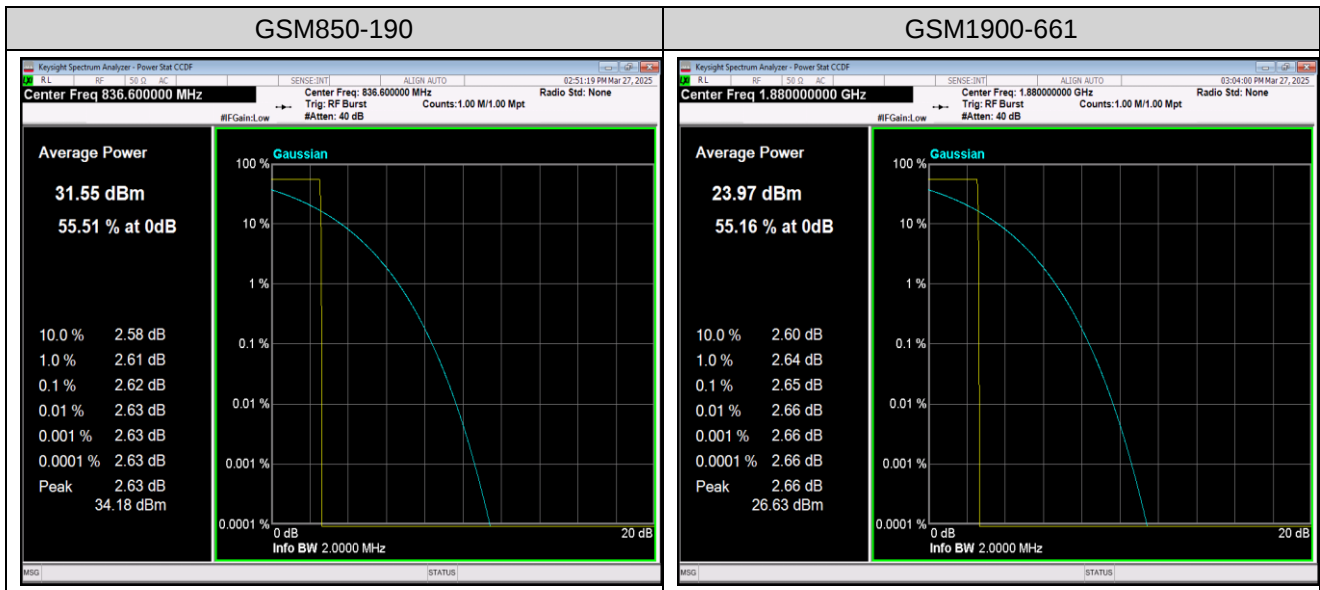
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Channel	PCL	Result(dB)	Limit(dB)	Verdict
GSM850	190	5	2.62	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

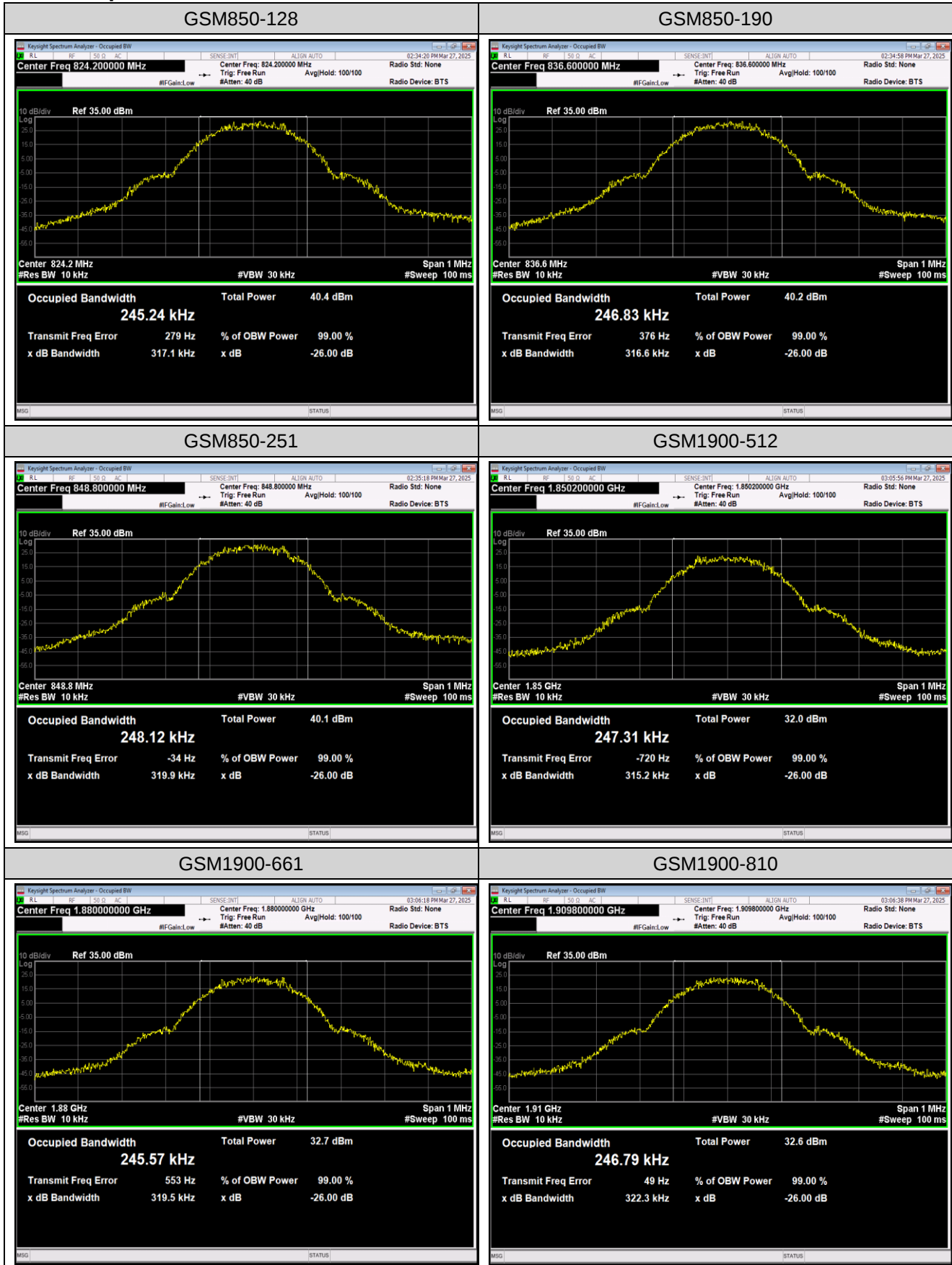


Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	PCL	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	5	0.24524	0.3171	---	PASS
GSM850	190	5	0.24683	0.3166	---	PASS
GSM850	251	5	0.24812	0.3199	---	PASS
GSM1900	512	0	0.24731	0.3152	---	PASS
GSM1900	661	0	0.24557	0.3195	---	PASS
GSM1900	810	0	0.24679	0.3223	---	PASS

Test Graphs

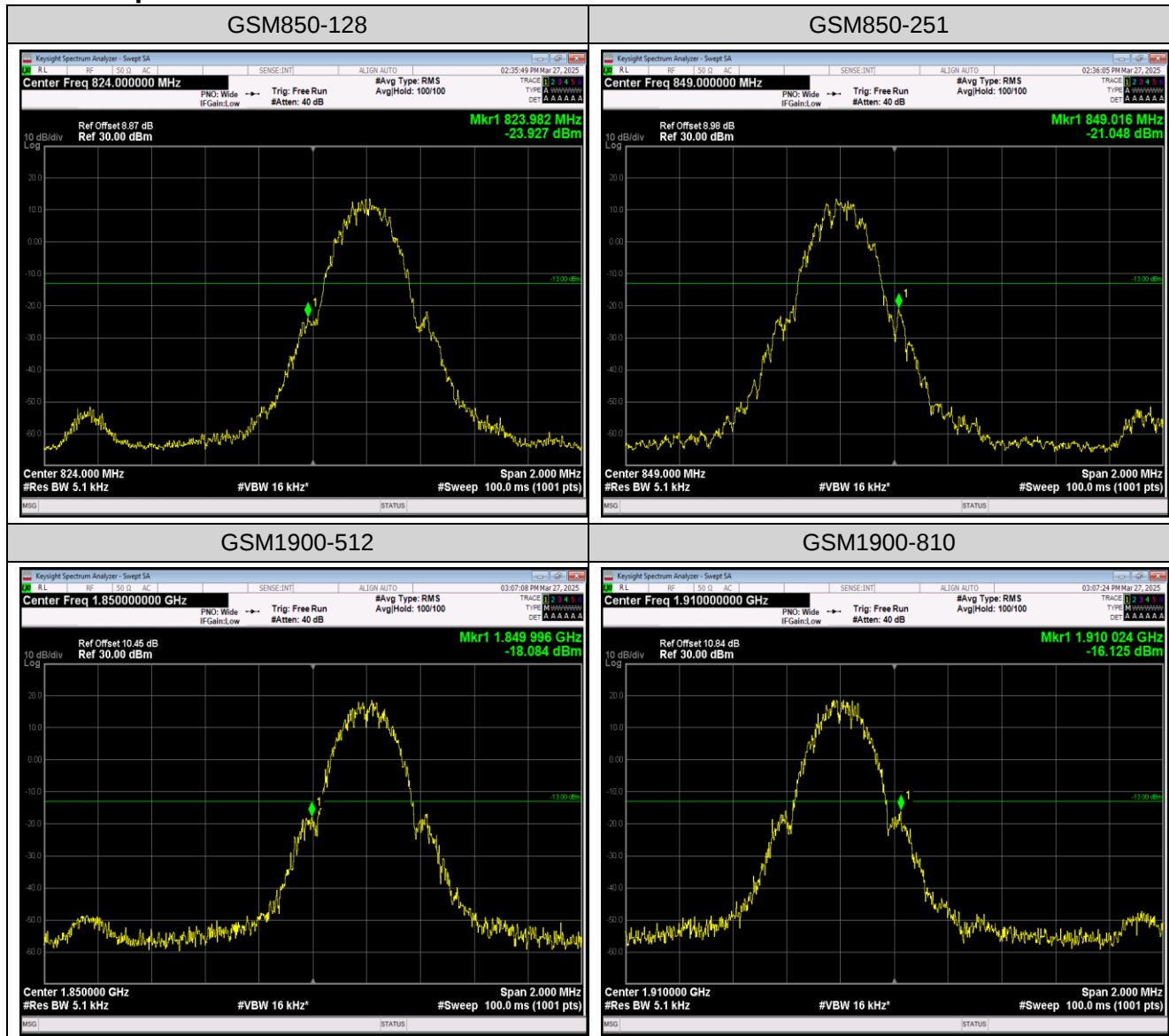


Appendix D: Band Edge

Test Result

Band	Channel	PCL	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	5	823.98	-23.93	-13	PASS
GSM850	251	5	849.02	-21.05	-13	PASS
GSM1900	512	0	1850.00	-18.08	-13	PASS
GSM1900	810	0	1910.02	-16.12	-13	PASS

Test Graphs



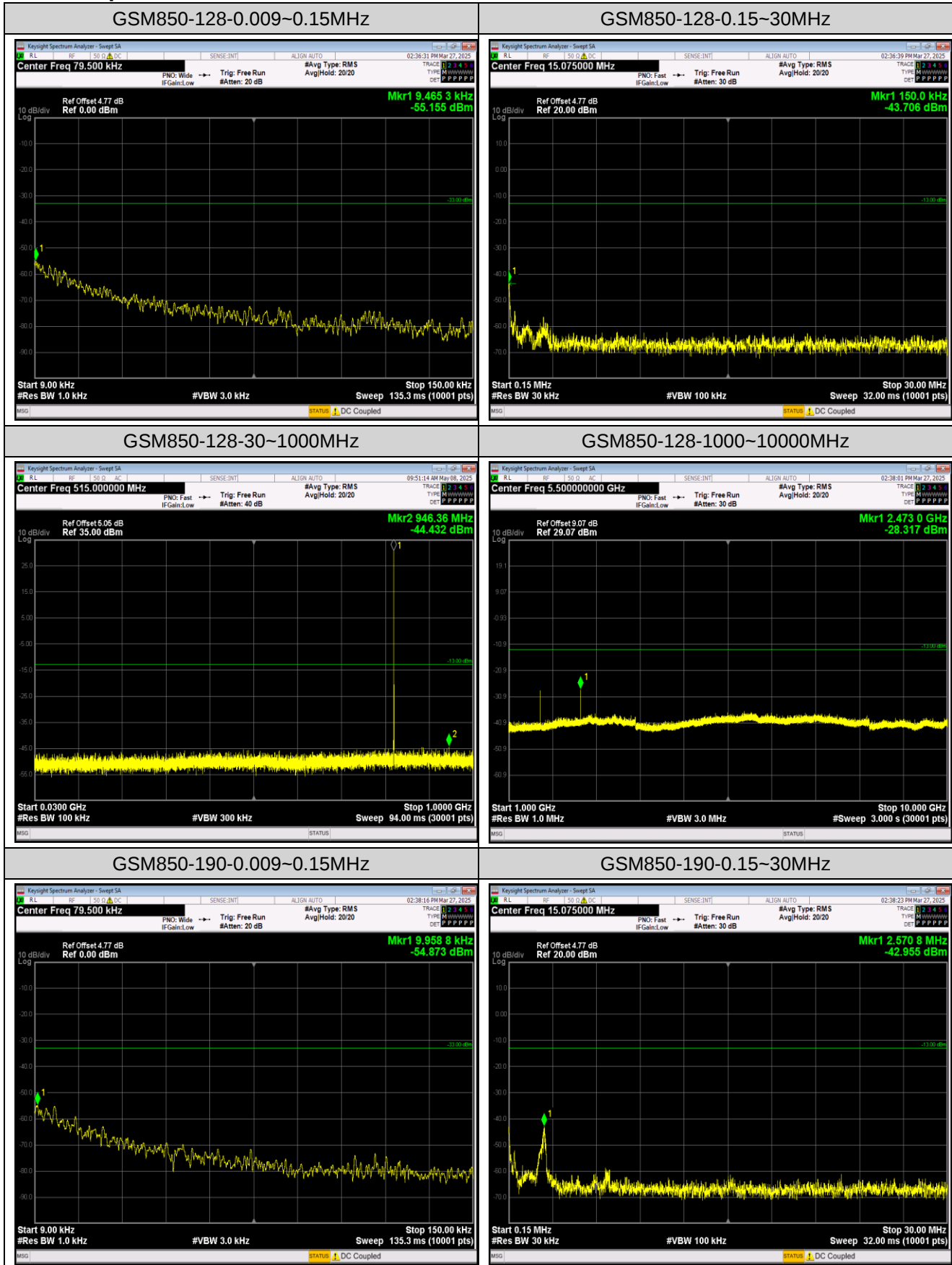
Appendix E: Conducted Spurious Emission

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	-55.16	-33	PASS
GSM850	128	5	0.15~30MHz	0.15	-43.71	-13	PASS
GSM850	128	5	30~1000MHz	959.45	-44.59	-13	PASS
GSM850	128	5	1000~10000MHz	2473	-28.32	-13	PASS
GSM850	190	5	0.009~0.15MHz	0.01	-54.87	-33	PASS
GSM850	190	5	0.15~30MHz	2.57	-42.96	-13	PASS
GSM850	190	5	30~1000MHz	545.33	-44.64	-13	PASS
GSM850	190	5	1000~10000MHz	2509.9	-28	-13	PASS
GSM850	251	5	0.009~0.15MHz	0.01	-55.2	-33	PASS
GSM850	251	5	0.15~30MHz	0.15	-41.91	-13	PASS
GSM850	251	5	30~1000MHz	431.26	-44.1	-13	PASS
GSM850	251	5	1000~10000MHz	2546.5	-28.01	-13	PASS
GSM1900	512	0	0.009~0.15MHz	0.01	-55.17	-43	PASS
GSM1900	512	0	0.15~30MHz	0.16	-43.67	-23	PASS
GSM1900	512	0	30~1000MHz	793.94	-45.41	-13	PASS
GSM1900	512	0	1000~18000MHz	17015.13	-22.24	-13	PASS
GSM1900	661	0	0.009~0.15MHz	0.01	-56.2	-43	PASS
GSM1900	661	0	0.15~30MHz	0.15	-41.77	-23	PASS
GSM1900	661	0	30~1000MHz	942.8	-46.02	-13	PASS
GSM1900	661	0	1000~18000MHz	17106.93	-21.98	-13	PASS
GSM1900	810	0	0.009~0.15MHz	0.01	-55.21	-43	PASS
GSM1900	810	0	0.15~30MHz	2.57	-43.51	-23	PASS
GSM1900	810	0	30~1000MHz	595.32	-45.85	-13	PASS
GSM1900	810	0	1000~18000MHz	16909.73	-21.5	-13	PASS

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

Test Graphs

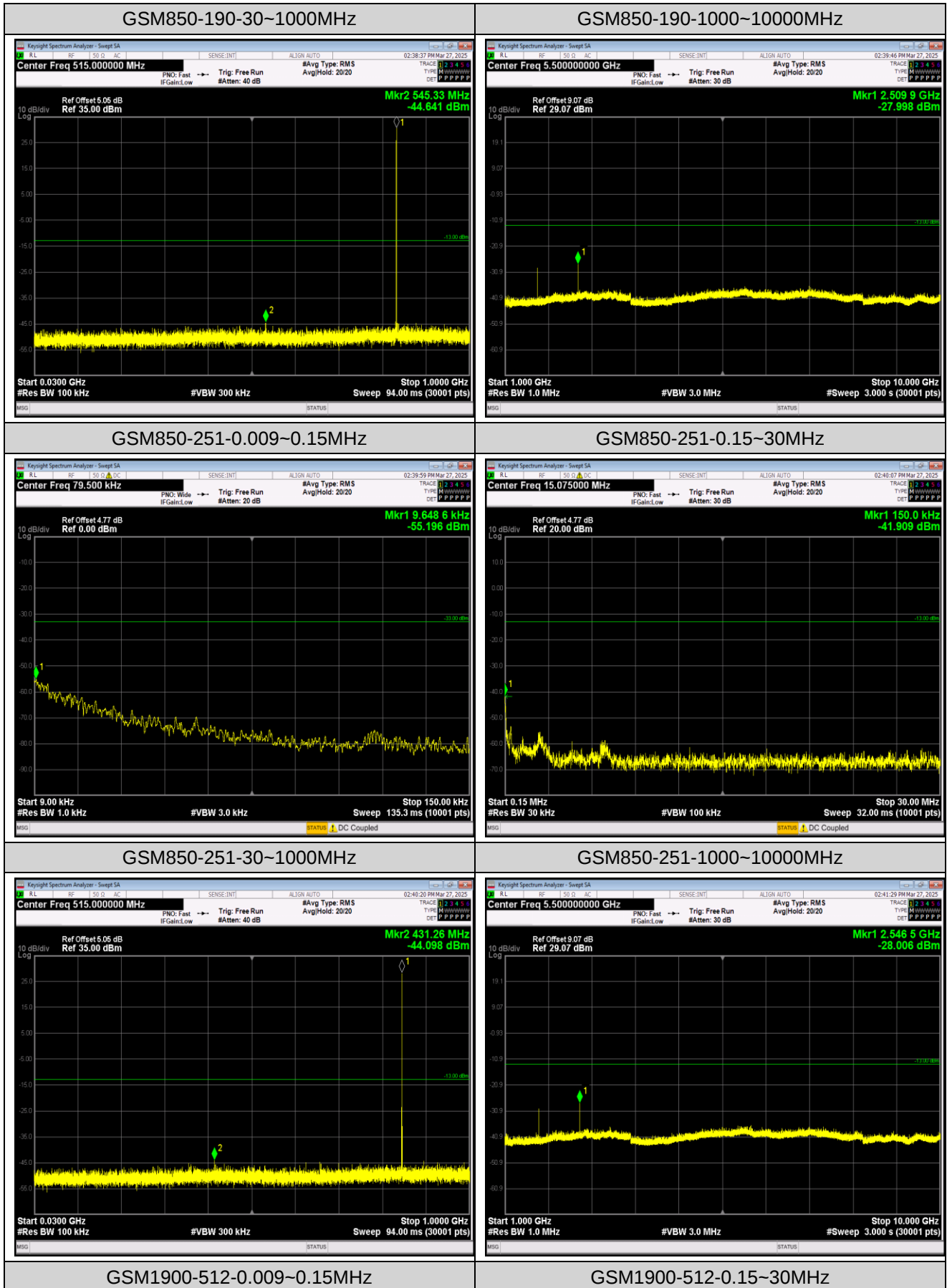


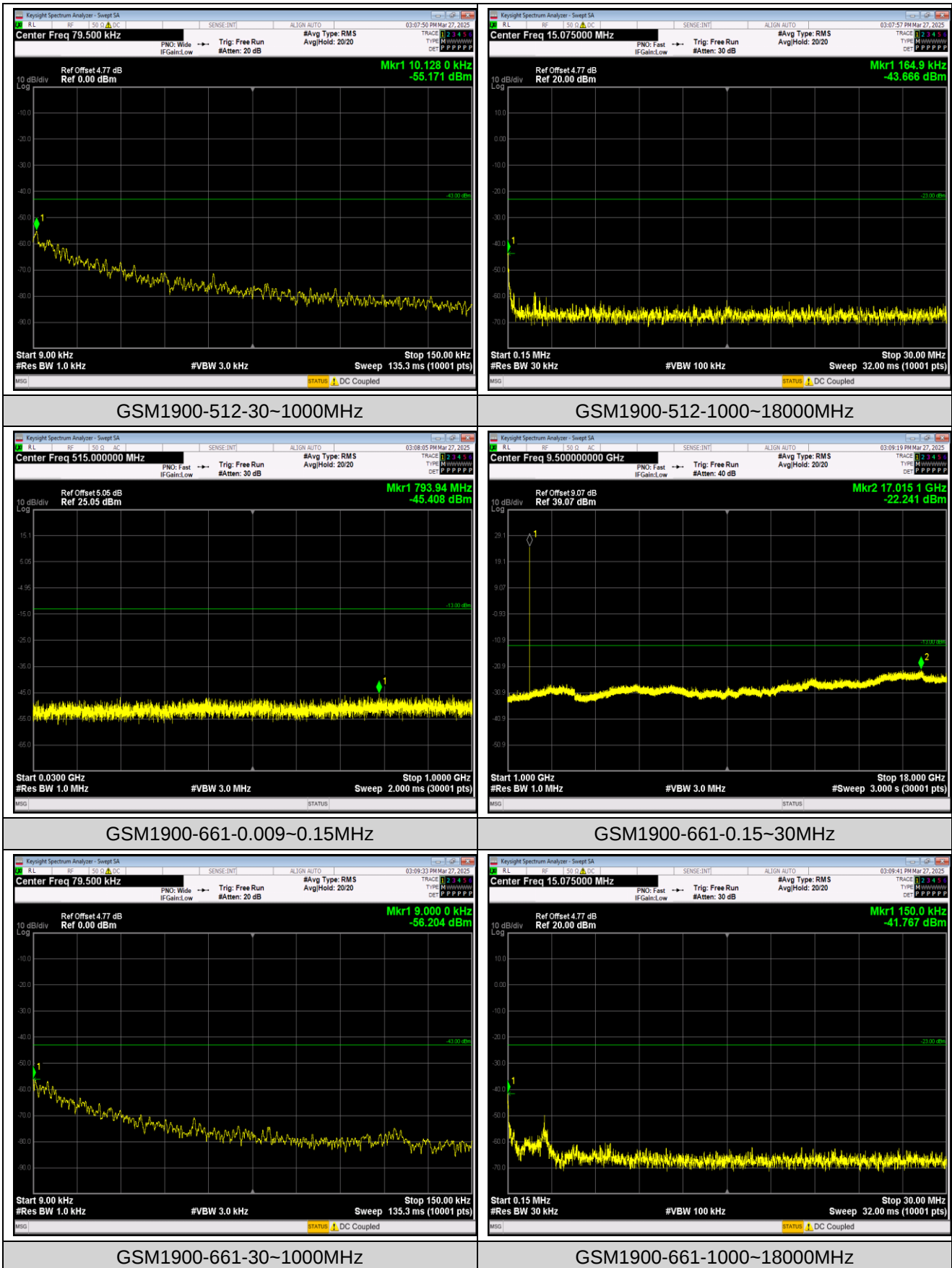
JianYan Testing Group Shenzhen Co., Ltd.

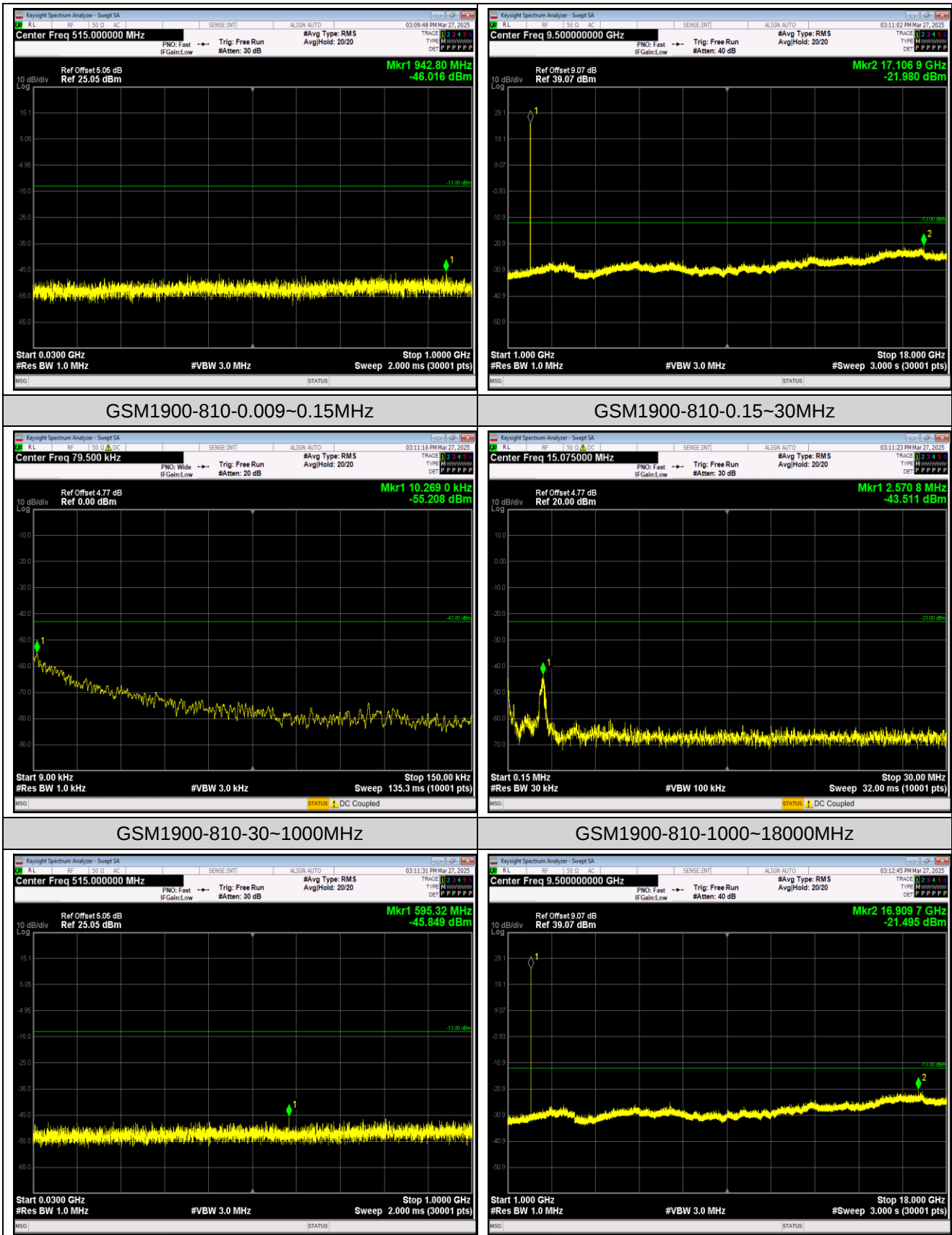
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Appendix F: Frequency Stability

Test Result

Reference Frequency: GSM850 Middle channel=190 Frequency=836.6MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.7	-30	-7.91	-0.009455	±2.5	Pass
	-20	-7.17	-0.008570		
	-10	-5.59	-0.006682		
	0	-3.03	-0.003622		
	10	-6.62	-0.007913		
	20	-6.13	-0.007327		
	30	-7.65	-0.009144		
	40	-6.01	-0.007184		
	50	-6.78	-0.008104		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.26	0.68	0.000813	±2.5	Pass
	3.70	-9.81	-0.011726		
	3.15	-6.62	-0.007913		
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		
3.7	-30	-8.04	-0.004277	Within authorized band for PCS 1900	Pass
	-20	-6.55	-0.003484		
	-10	-9.85	-0.005239		
	0	-10.49	-0.005580		
	10	-6.39	-0.003399		
	20	-11.33	-0.006027		
	30	-4.97	-0.002644		
	40	-8.59	-0.004569		
	50	-10.53	-0.005601		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.26	-8.88	-0.004723	Within authorized band for PCS 1900	Pass
	3.70	-9.33	-0.004963		
	3.15	-6.26	-0.003330		
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

