

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	32.34	30.59	38.45	PASS
GSM850	190	5	32.63	30.88	38.45	PASS
GSM850	251	5	32.64	30.89	38.45	PASS
GSM1900	512	0	28.13	28.83	33.00	PASS
GSM1900	661	0	28.65	29.35	33.00	PASS
GSM1900	810	0	28.91	29.61	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)

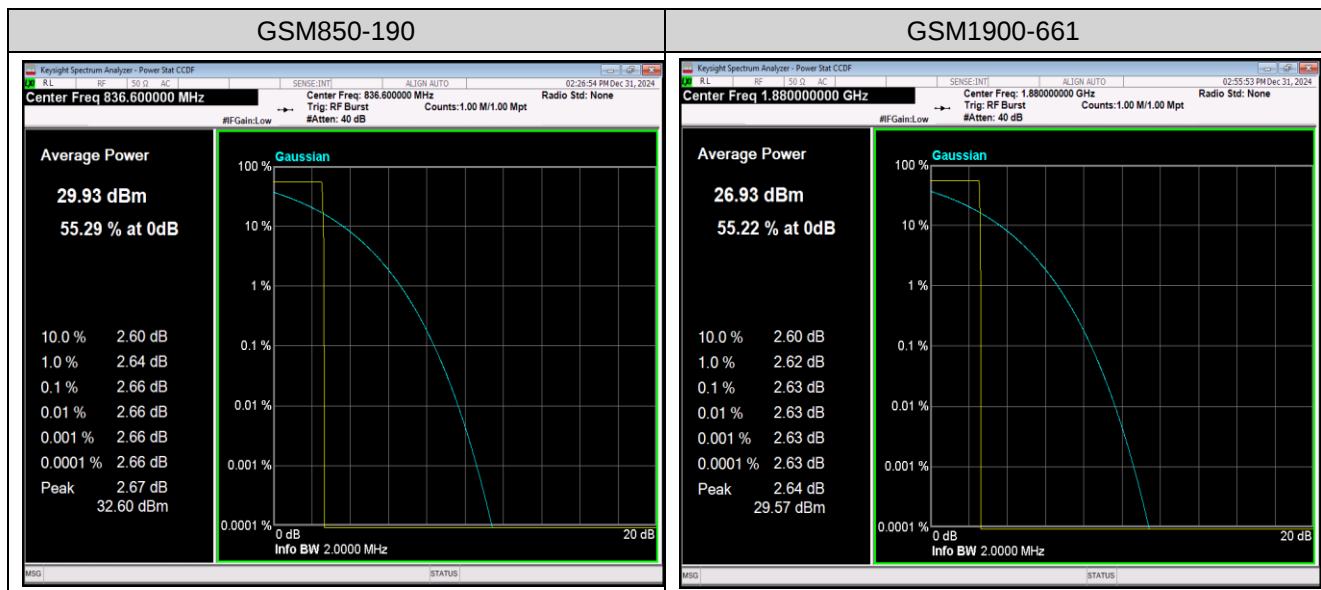
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Channel	PCL	Result(dB)	Limit(dB)	Verdict
GSM850	190	5	2.66	13	PASS
GSM1900	661	0	2.63	13	PASS

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

Test Graphs

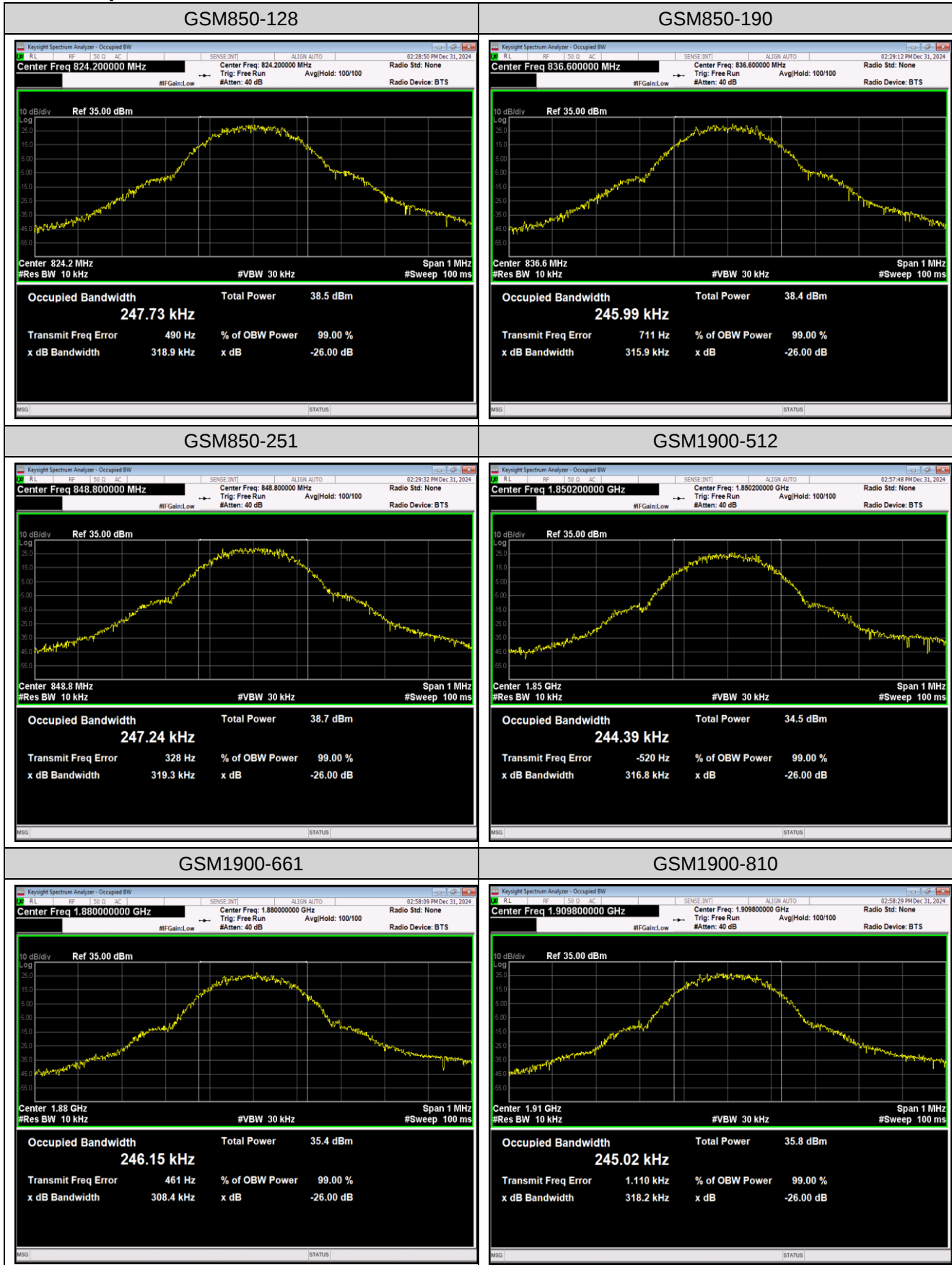


Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	PCL	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	5	0.24773	0.3189	---	PASS
GSM850	190	5	0.24599	0.3159	---	PASS
GSM850	251	5	0.24724	0.3193	---	PASS
GSM1900	512	0	0.24439	0.3168	---	PASS
GSM1900	661	0	0.24615	0.3084	---	PASS
GSM1900	810	0	0.24502	0.3182	---	PASS

Test Graphs

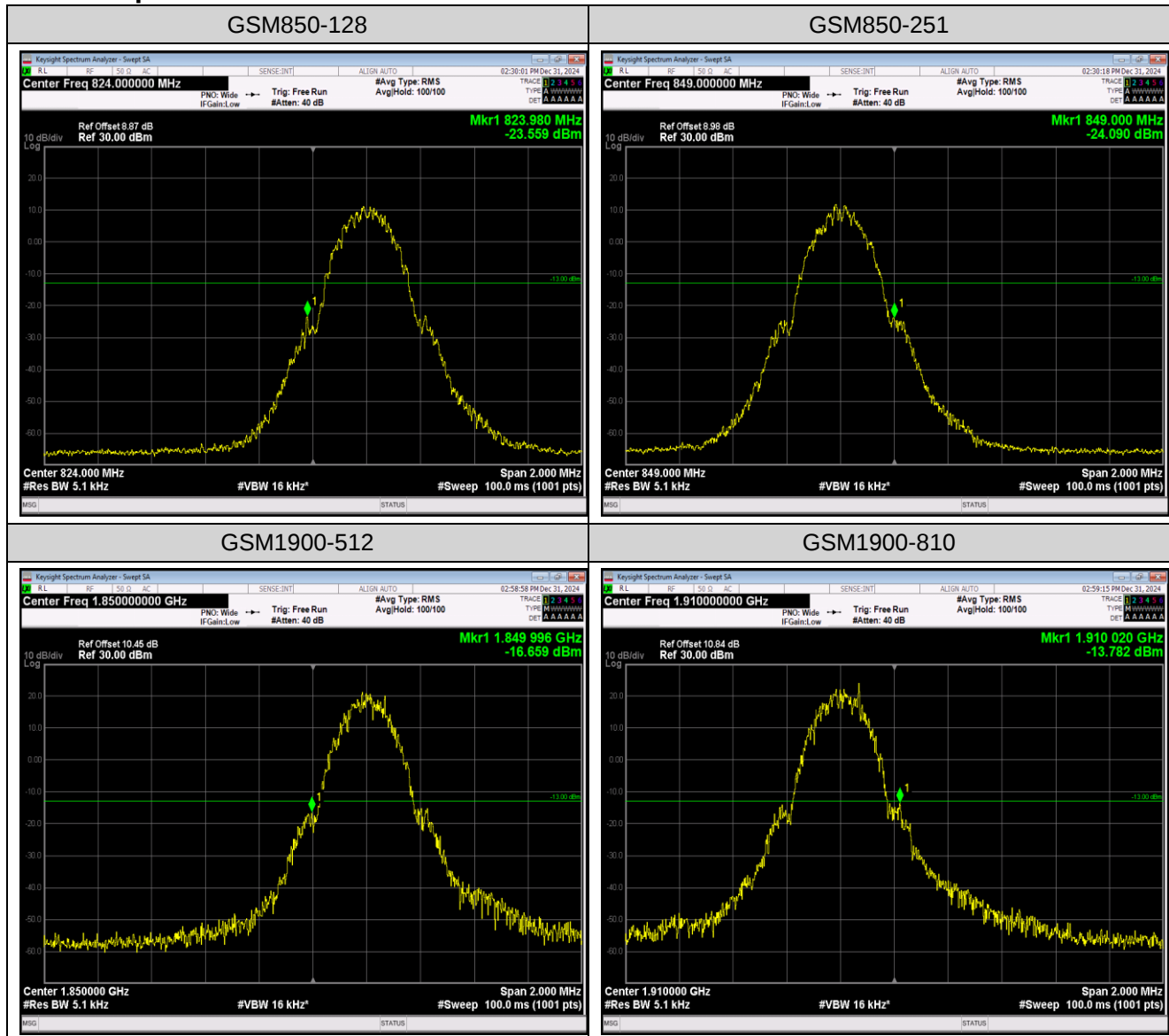


Appendix D: Band Edge

Test Result

Band	Channel	PCL	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	5	823.98	-23.56	-13	PASS
GSM850	251	5	849.00	-24.09	-13	PASS
GSM1900	512	0	1850.00	-16.66	-13	PASS
GSM1900	810	0	1910.02	-13.78	-13	PASS

Test Graphs



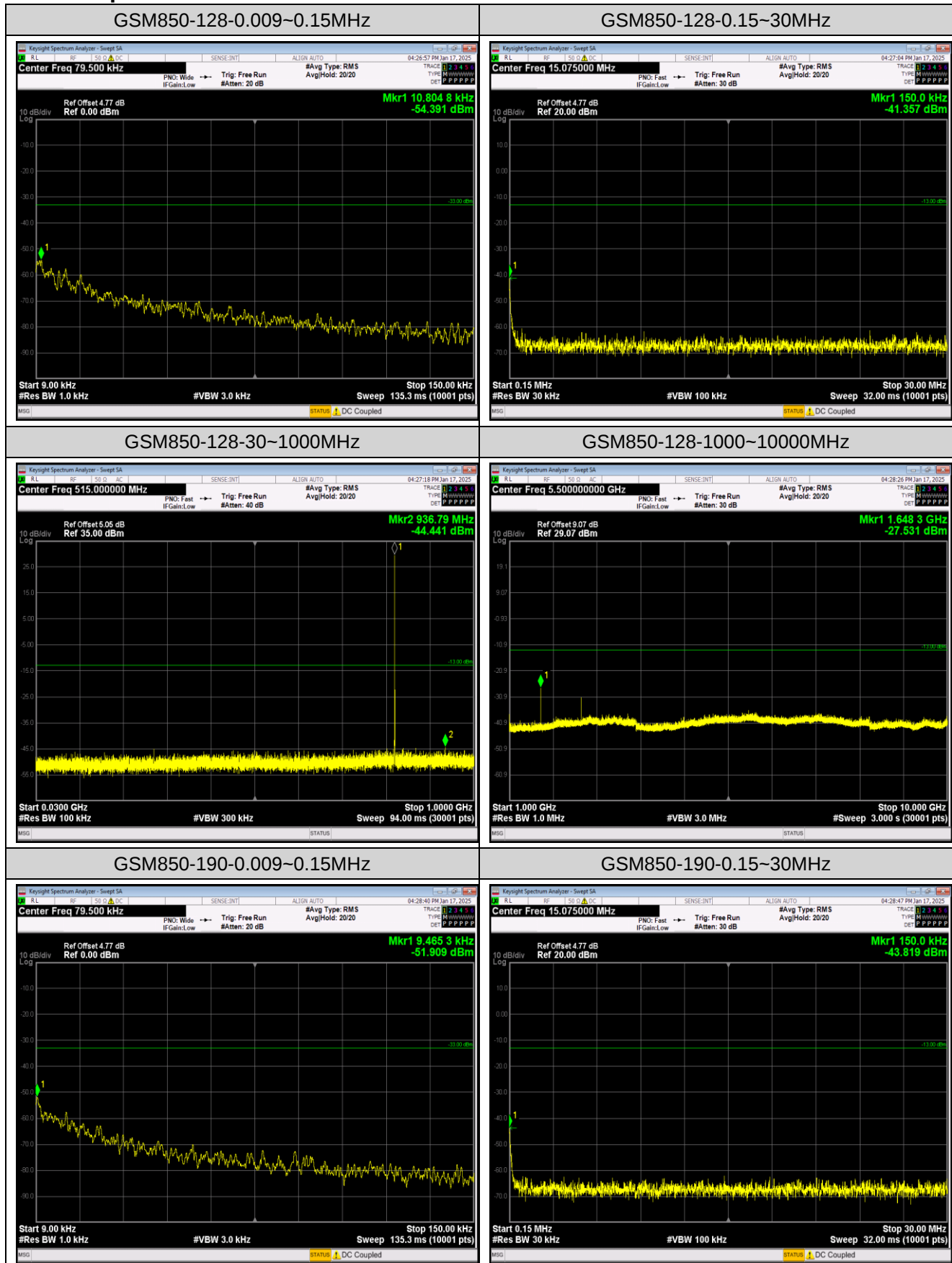
Appendix E: Conducted Spurious Emission

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	-54.39	-33	PASS
GSM850	128	5	0.15~30MHz	0.15	-41.36	-13	PASS
GSM850	128	5	30~1000MHz	936.79	-44.44	-13	PASS
GSM850	128	5	1000~10000MHz	1648.3	-27.53	-13	PASS
GSM850	190	5	0.009~0.15MHz	0.01	-51.91	-33	PASS
GSM850	190	5	0.15~30MHz	0.15	-43.82	-13	PASS
GSM850	190	5	30~1000MHz	724.58	-44.46	-13	PASS
GSM850	190	5	1000~10000MHz	1673.2	-27.83	-13	PASS
GSM850	251	5	0.009~0.15MHz	0.01	-55.17	-33	PASS
GSM850	251	5	0.15~30MHz	0.16	-40.07	-13	PASS
GSM850	251	5	30~1000MHz	494.31	-45.04	-13	PASS
GSM850	251	5	1000~10000MHz	1697.5	-28.69	-13	PASS
GSM1900	512	0	0.009~0.15MHz	0.01	-54.47	-43	PASS
GSM1900	512	0	0.15~30MHz	0.17	-44.47	-23	PASS
GSM1900	512	0	30~1000MHz	915.32	-36.58	-13	PASS
GSM1900	512	0	1000~18000MHz	15810.97	-22.1	-13	PASS
GSM1900	661	0	0.009~0.15MHz	0.01	-53.87	-43	PASS
GSM1900	661	0	0.15~30MHz	0.16	-44.71	-23	PASS
GSM1900	661	0	30~1000MHz	993.86	-45.37	-13	PASS
GSM1900	661	0	1000~18000MHz	16193.47	-22.11	-13	PASS
GSM1900	810	0	0.009~0.15MHz	0.01	-55.29	-43	PASS
GSM1900	810	0	0.15~30MHz	0.15	-40.72	-23	PASS
GSM1900	810	0	30~1000MHz	880.59	-43.81	-13	PASS
GSM1900	810	0	1000~18000MHz	17003.8	-22.06	-13	PASS

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

Test Graphs

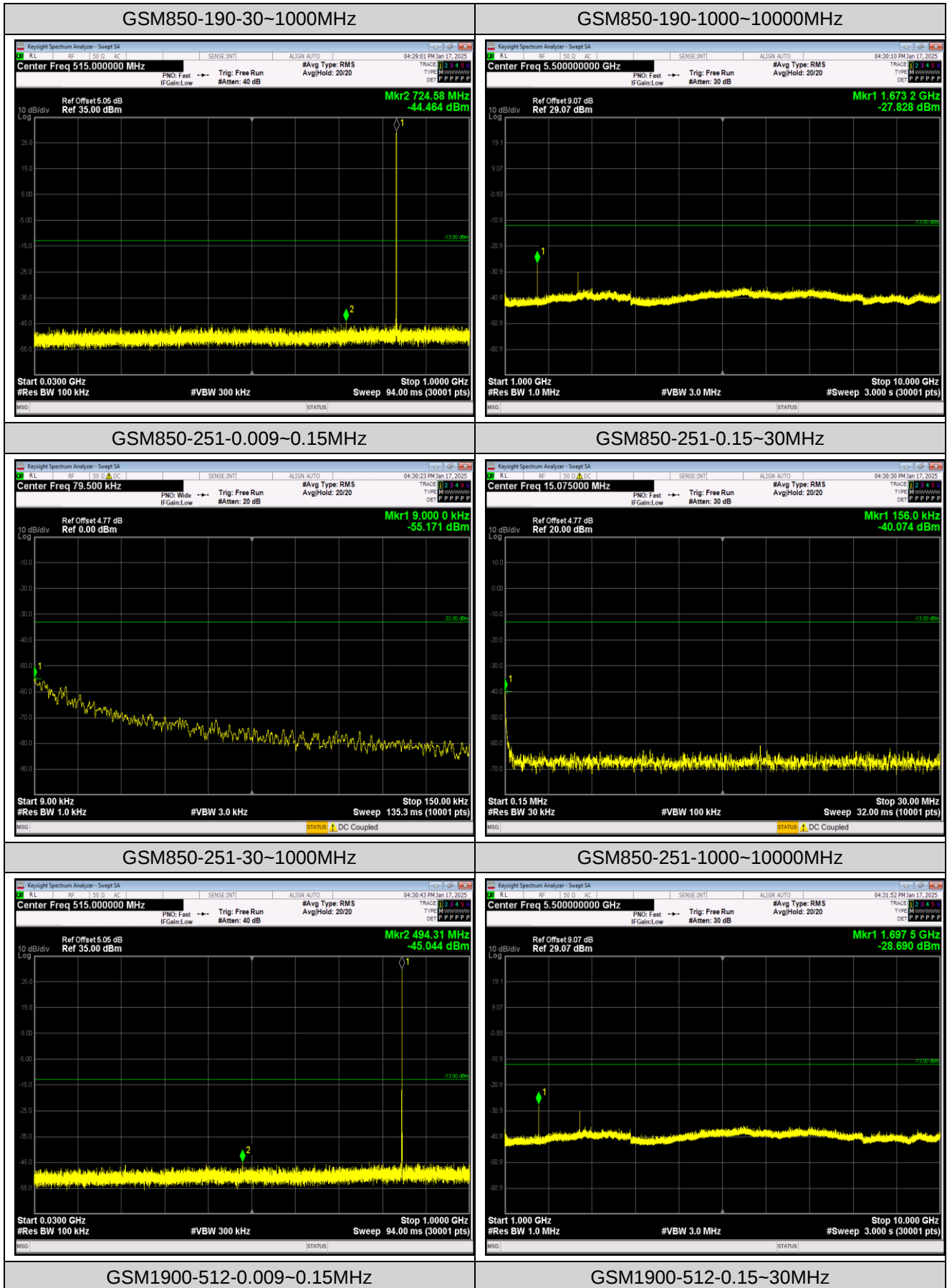


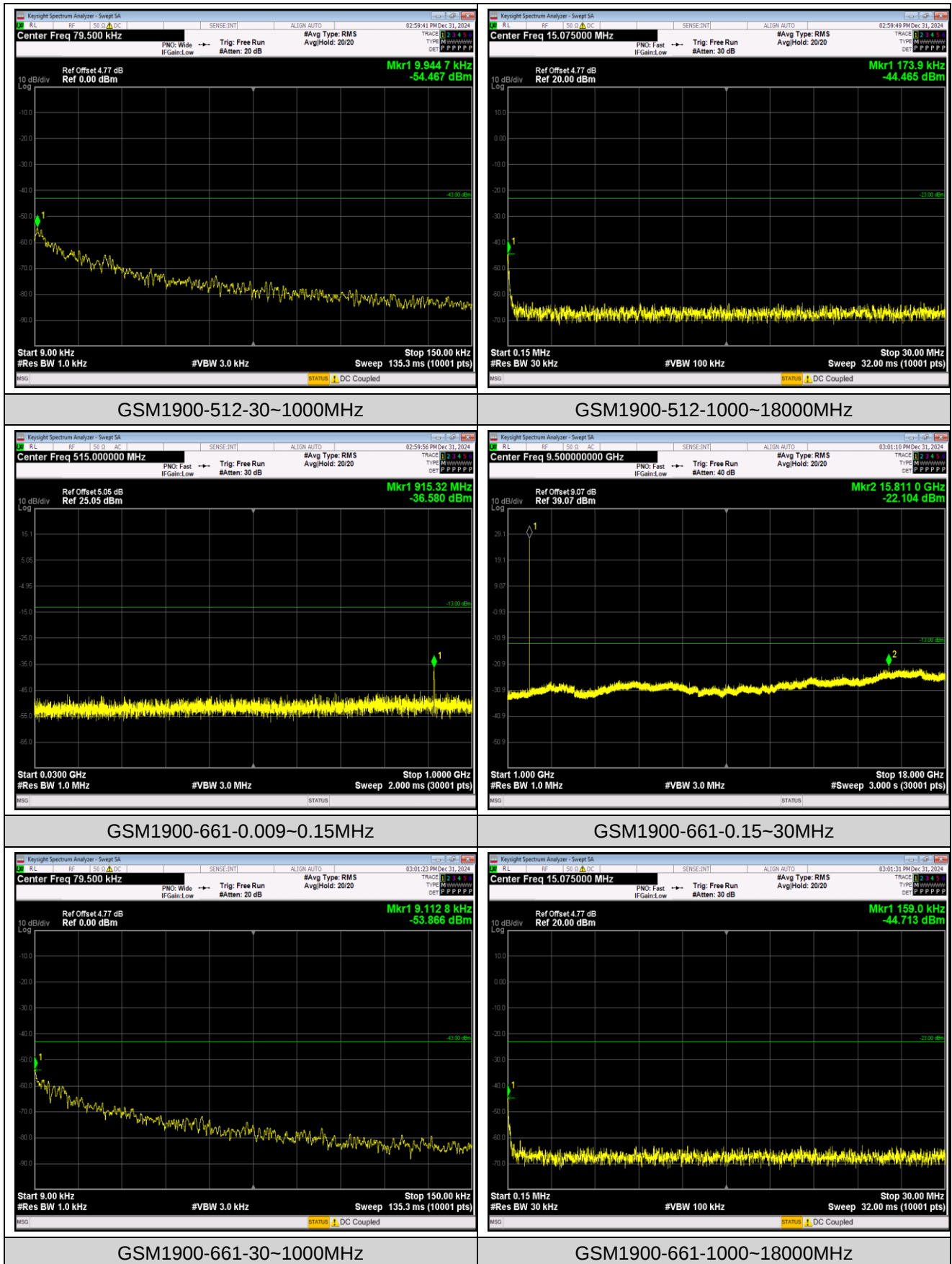
JianYan Testing Group Shenzhen Co., Ltd.

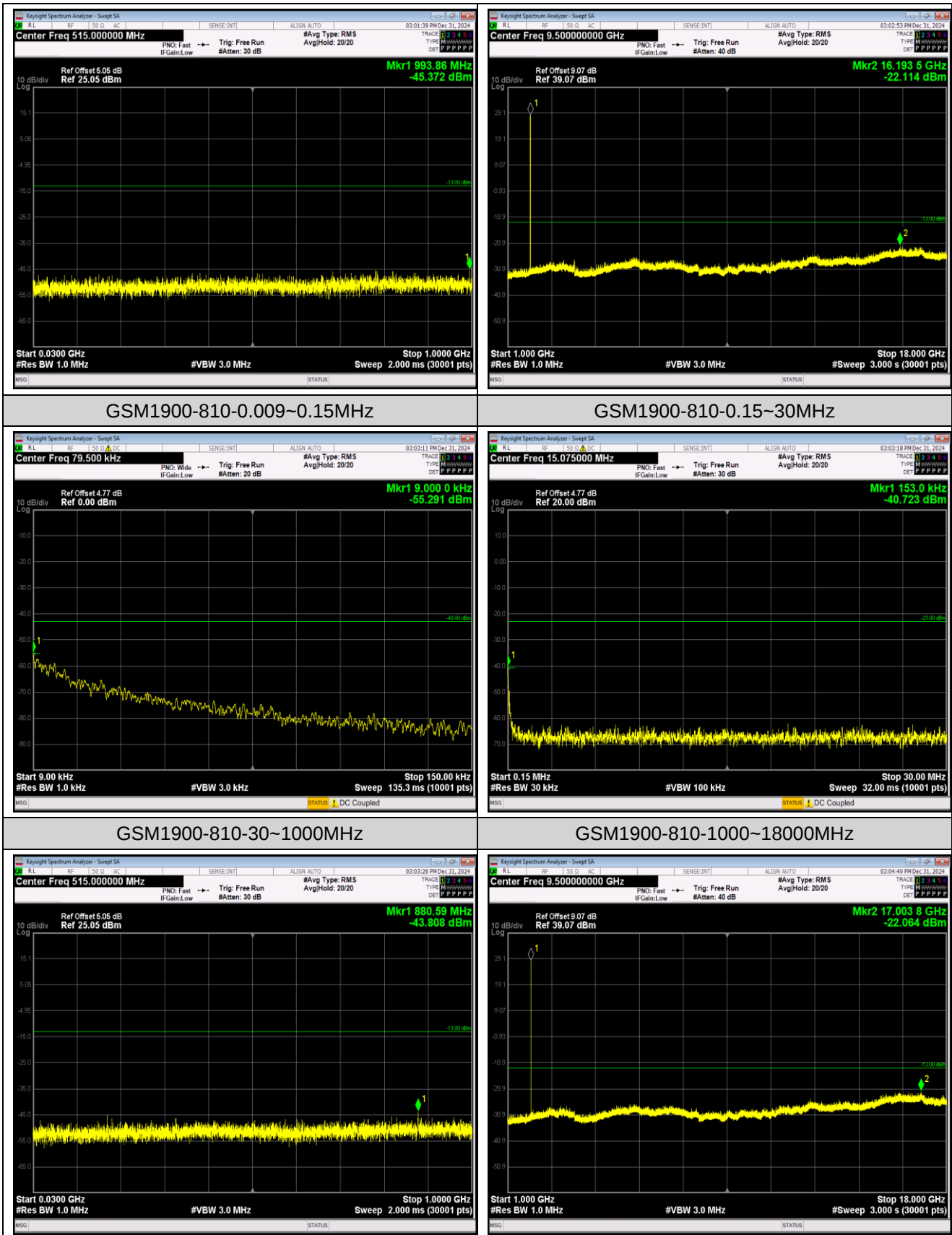
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Appendix F: Frequency Stability

Test Result

Reference Frequency: GSM850 Middle channel=190 Frequency=836.6MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	-22.54	-0.026942	±2.5	Pass
	-20	-21.05	-0.025161		
	-10	-18.79	-0.022460		
	0	-21.41	-0.025592		
	10	-25.28	-0.030218		
	20	-23.08	-0.027588		
	30	-17.56	-0.020990		
	40	-21.24	-0.025388		
	50	-22.99	-0.027480		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.40	-20.73	-0.024779	±2.5	Pass
	3.70	-17.92	-0.021420		
	4.20	-18.79	-0.022460		
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	-47.49	-0.025261	Within authorized band for PCS 1900	Pass
	-20	-44.62	-0.023734		
	-10	-41.23	-0.021931		
	0	-36.81	-0.019580		
	10	-46.20	-0.024574		
	20	-40.29	-0.021431		
	30	-48.33	-0.025707		
	40	-41.94	-0.022309		
	50	-35.48	-0.018872		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.40	-37.65	-0.020027	Within authorized band for PCS 1900	Pass
	3.70	-51.33	-0.027303		
	4.20	-50.04	-0.026617		
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

