

Appendix Test Data

Report No:	1812C40178312503	Test Sample NO:	1-2-2
Start Test Date:	2024.12.16	Finish Test Date:	2024.12.30
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.3°C	Relative Humidity:	56%
Pressure:	101 kPa		

Appendix A: Conducted Output Power

Test Result

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
GSM850	128	33.75	38.45	PASS
GSM850	190	33.85	38.45	PASS
GSM850	251	33.86	38.45	PASS

Band	Channel	Up Slot Num	Power(dBm)	Limit(dBm)	Verdict
GPRS850	128	1	33.65	38.45	PASS
GPRS850	128	2	32.61	38.45	PASS
GPRS850	128	3	32.57	38.45	PASS
GPRS850	128	4	32.56	38.45	PASS
GPRS850	190	1	33.68	38.45	PASS
GPRS850	190	2	32.65	38.45	PASS
GPRS850	190	3	32.62	38.45	PASS
GPRS850	190	4	32.61	38.45	PASS
GPRS850	251	1	33.70	38.45	PASS
GPRS850	251	2	32.68	38.45	PASS
GPRS850	251	3	32.65	38.45	PASS
GPRS850	251	4	32.64	38.45	PASS



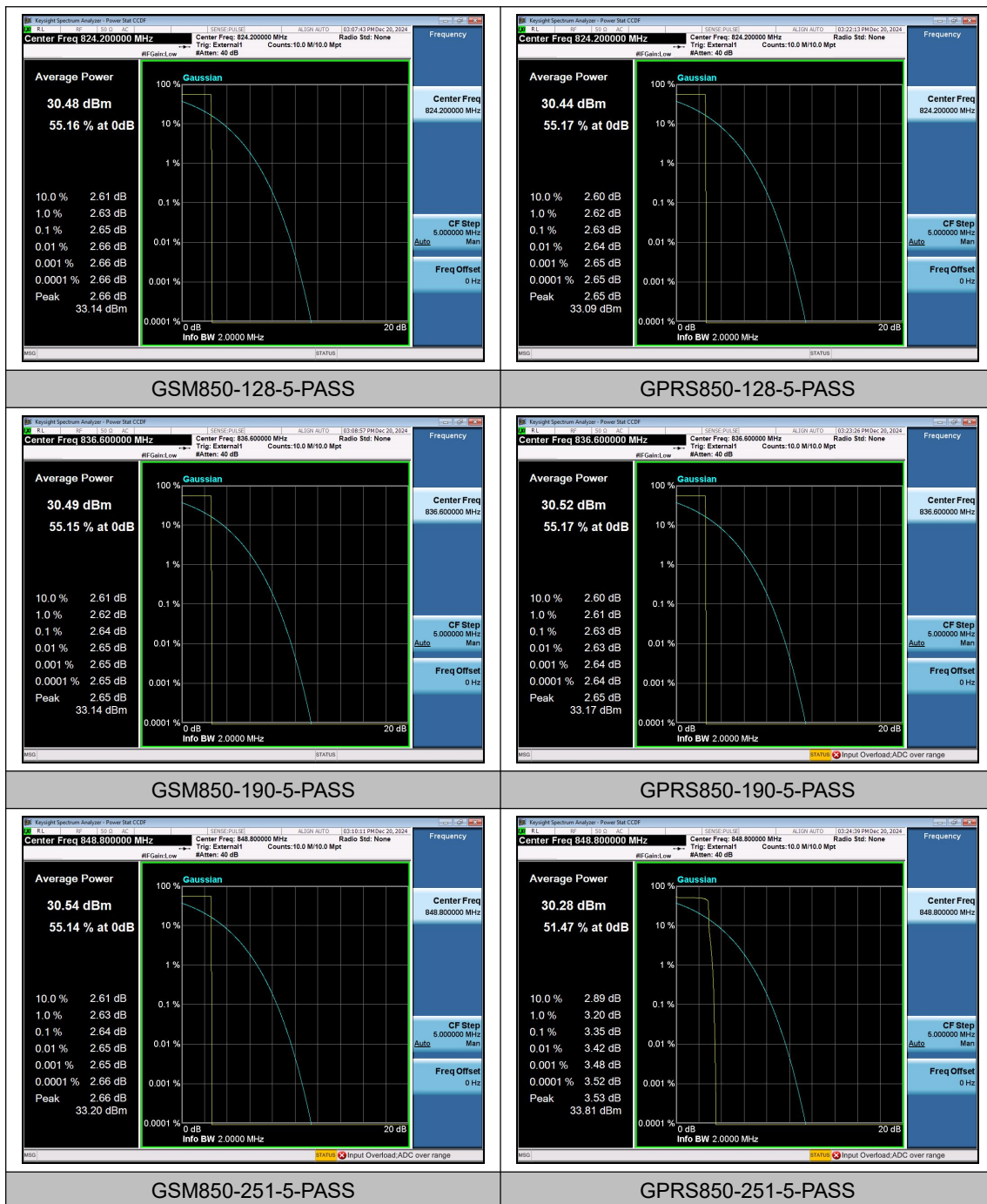
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	128	2.65	13	PASS
GPRS850	128	2.63	13	PASS
GSM850	190	2.64	13	PASS
GPRS850	190	2.63	13	PASS
GSM850	251	2.64	13	PASS
GPRS850	251	3.35	13	PASS



Test Graphs



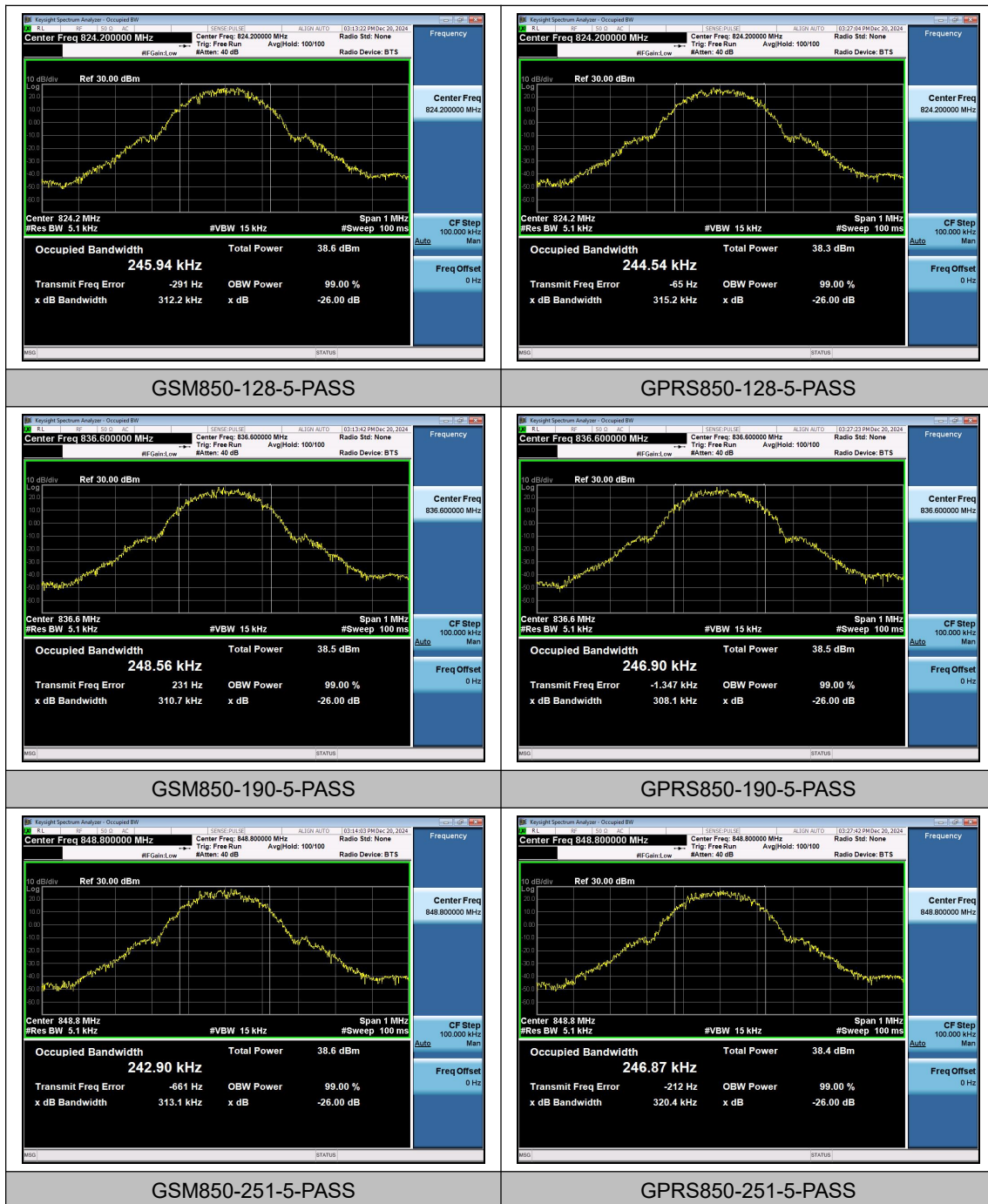
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.24594	0.3122	---	PASS
GPRS850	128	0.24454	0.3152	---	PASS
GSM850	190	0.24856	0.3107	---	PASS
GPRS850	190	0.24690	0.3081	---	PASS
GSM850	251	0.24290	0.3131	---	PASS
GPRS850	251	0.24687	0.3204	---	PASS



Test Graphs

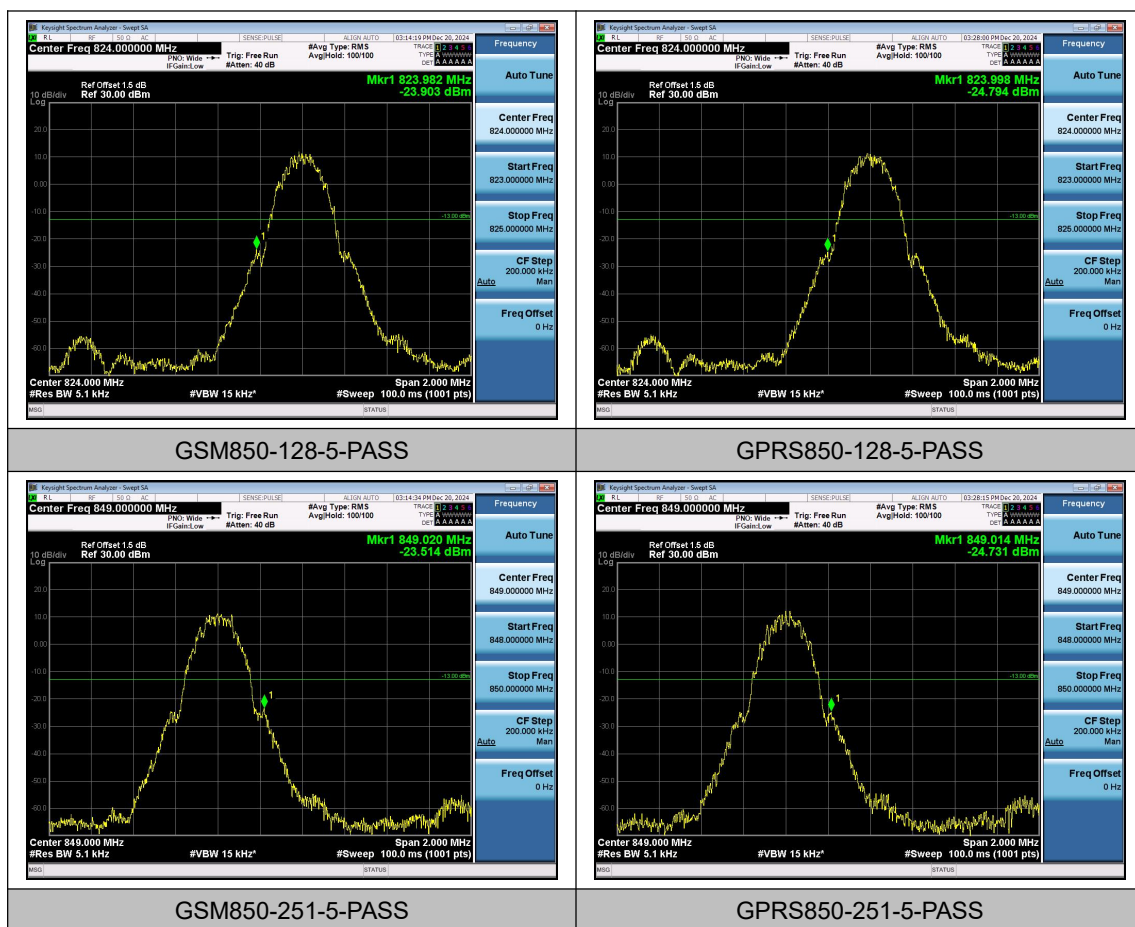


Appendix D: Band Edge

Test Result

Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	823.98	-23.90	-13	PASS
GPRS850	128	824.00	-24.79	-13	PASS
GSM850	251	849.02	-23.51	-13	PASS
GPRS850	251	849.01	-24.73	-13	PASS

Test Graphs



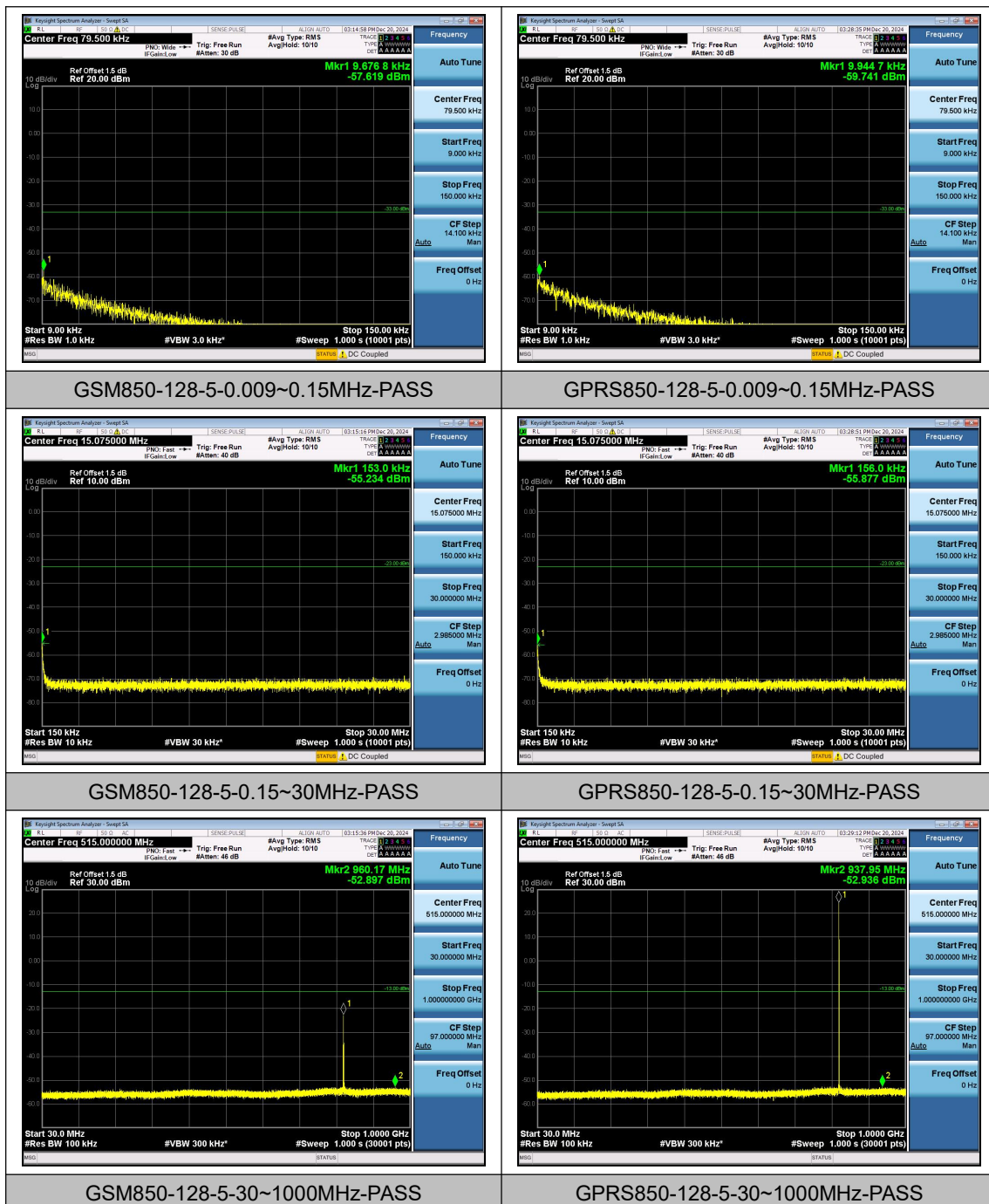
Appendix E: Conducted Spurious Emission

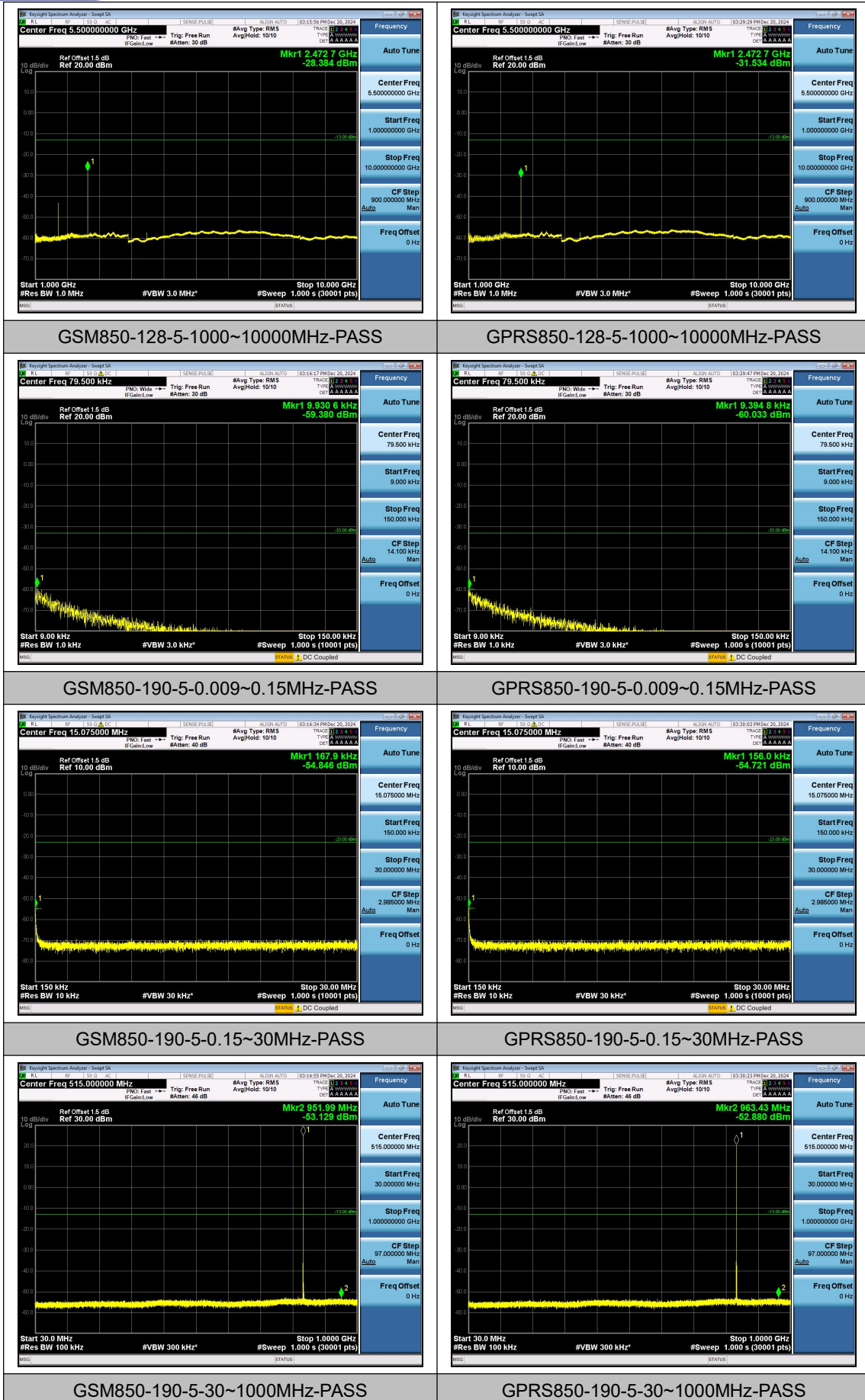
Test Result

Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM850	128	0.009~0.15MHz	0.01	-57.62	-33	PASS
GPRS850	128	0.009~0.15MHz	0.01	-59.74	-33	PASS
GSM850	128	0.15~30MHz	0.15	-55.23	-23	PASS
GPRS850	128	0.15~30MHz	0.16	-55.88	-23	PASS
GSM850	128	30~1000MHz	960.17	-52.9	-13	PASS
GPRS850	128	30~1000MHz	937.95	-52.94	-13	PASS
GSM850	128	1000~10000MHz	2472.7	-28.38	-13	PASS
GPRS850	128	1000~10000MHz	2472.7	-31.53	-13	PASS
GSM850	190	0.009~0.15MHz	0.01	-59.38	-33	PASS
GPRS850	190	0.009~0.15MHz	0.01	-60.03	-33	PASS
GSM850	190	0.15~30MHz	0.17	-54.85	-23	PASS
GPRS850	190	0.15~30MHz	0.16	-54.72	-23	PASS
GSM850	190	30~1000MHz	951.99	-53.13	-13	PASS
GPRS850	190	30~1000MHz	963.43	-52.88	-13	PASS
GSM850	190	1000~10000MHz	2509.9	-27.74	-13	PASS
GPRS850	190	1000~10000MHz	2509.9	-30.29	-13	PASS
GSM850	251	0.009~0.15MHz	0.01	-60.91	-33	PASS
GPRS850	251	0.009~0.15MHz	0.01	-60.73	-33	PASS
GSM850	251	0.15~30MHz	0.15	-54.69	-23	PASS
GPRS850	251	0.15~30MHz	0.15	-54.54	-23	PASS
GSM850	251	30~1000MHz	958.78	-52.98	-13	PASS
GPRS850	251	30~1000MHz	956.93	-53.03	-13	PASS
GSM850	251	1000~10000MHz	2546.5	-29.7	-13	PASS
GPRS850	251	1000~10000MHz	1698.4	-48.3	-13	PASS



Test Graphs



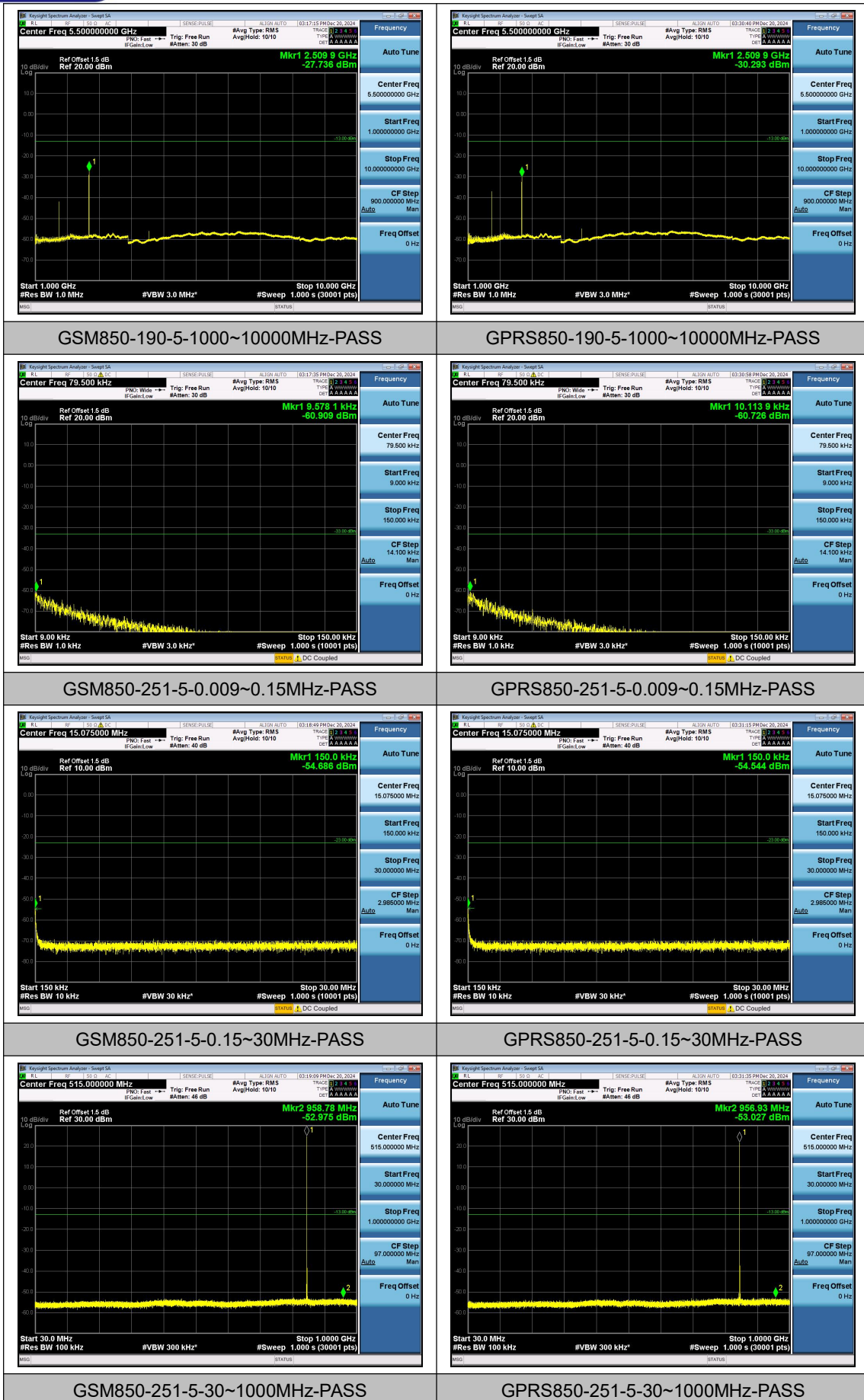


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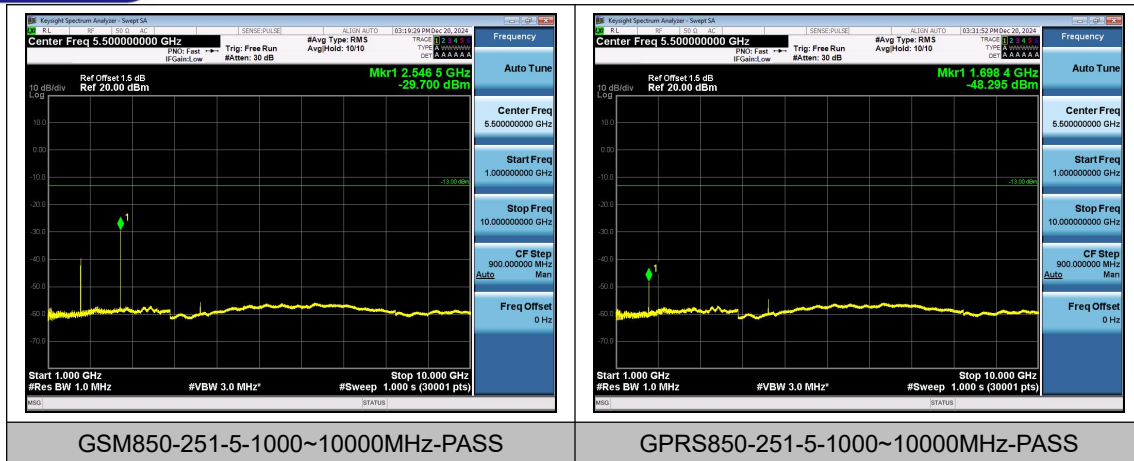


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Appendix F: Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	VN	NT	2.23	0.002706	±2.5	PASS
GSM850	128	VL	NT	1.74	0.002111	±2.5	PASS
GSM850	128	VH	NT	3.13	0.003798	±2.5	PASS
GPRS850	128	VN	NT	-1.65	-0.002002	±2.5	PASS
GPRS850	128	VL	NT	-2.20	-0.002669	±2.5	PASS
GPRS850	128	VH	NT	0.23	0.000279	±2.5	PASS
GSM850	190	VN	NT	-0.10	-0.000120	±2.5	PASS
GSM850	190	VL	NT	-1.07	-0.001279	±2.5	PASS
GSM850	190	VH	NT	3.03	0.003622	±2.5	PASS
GPRS850	190	VN	NT	-2.52	-0.003012	±2.5	PASS
GPRS850	190	VL	NT	0.39	0.000466	±2.5	PASS
GPRS850	190	VH	NT	1.23	0.001470	±2.5	PASS
GSM850	251	VN	NT	2.36	0.002780	±2.5	PASS
GSM850	251	VL	NT	0.97	0.001143	±2.5	PASS
GSM850	251	VH	NT	1.32	0.001555	±2.5	PASS
GPRS850	251	VN	NT	-1.49	-0.001755	±2.5	PASS
GPRS850	251	VL	NT	4.20	0.004948	±2.5	PASS
GPRS850	251	VH	NT	-0.23	-0.000271	±2.5	PASS



Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	NV	-30	0.87	0.001056	±2.5	PASS
GSM850	128	NV	-20	1.55	0.001881	±2.5	PASS
GSM850	128	NV	-10	2.03	0.002463	±2.5	PASS
GSM850	128	NV	0	0.32	0.000388	±2.5	PASS
GSM850	128	NV	10	-5.07	-0.006151	±2.5	PASS
GSM850	128	NV	20	-5.49	-0.006661	±2.5	PASS
GSM850	128	NV	30	-4.88	-0.005921	±2.5	PASS
GSM850	128	NV	40	-3.13	-0.003798	±2.5	PASS
GSM850	128	NV	50	-4.10	-0.004975	±2.5	PASS
GPRS850	128	NV	-30	-3.62	-0.004392	±2.5	PASS
GPRS850	128	NV	-20	-3.75	-0.004550	±2.5	PASS
GPRS850	128	NV	-10	-1.74	-0.002111	±2.5	PASS
GPRS850	128	NV	0	-0.10	-0.000121	±2.5	PASS
GPRS850	128	NV	10	0.81	0.000983	±2.5	PASS
GPRS850	128	NV	20	1.78	0.002160	±2.5	PASS
GPRS850	128	NV	30	-6.62	-0.008032	±2.5	PASS
GPRS850	128	NV	40	4.75	0.005763	±2.5	PASS
GPRS850	128	NV	50	7.55	0.009160	±2.5	PASS
GSM850	190	NV	-30	-0.61	-0.000729	±2.5	PASS
GSM850	190	NV	-20	0.52	0.000622	±2.5	PASS
GSM850	190	NV	-10	3.20	0.003825	±2.5	PASS
GSM850	190	NV	0	5.07	0.006060	±2.5	PASS
GSM850	190	NV	10	-3.78	-0.004518	±2.5	PASS
GSM850	190	NV	20	-1.10	-0.001315	±2.5	PASS
GSM850	190	NV	30	1.45	0.001733	±2.5	PASS
GSM850	190	NV	40	-6.36	-0.007602	±2.5	PASS
GSM850	190	NV	50	-2.81	-0.003359	±2.5	PASS
GPRS850	190	NV	-30	1.55	0.001853	±2.5	PASS
GPRS850	190	NV	-20	0.90	0.001076	±2.5	PASS
GPRS850	190	NV	-10	-0.10	-0.000120	±2.5	PASS
GPRS850	190	NV	0	1.49	0.001781	±2.5	PASS
GPRS850	190	NV	10	-1.71	-0.002044	±2.5	PASS
GPRS850	190	NV	20	-3.62	-0.004327	±2.5	PASS
GPRS850	190	NV	30	-1.19	-0.001422	±2.5	PASS
GPRS850	190	NV	40	1.81	0.002164	±2.5	PASS
GPRS850	190	NV	50	4.20	0.005020	±2.5	PASS
GSM850	251	NV	-30	-0.58	-0.000683	±2.5	PASS
GSM850	251	NV	-20	2.42	0.002851	±2.5	PASS

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GSM850	251	NV	-10	2.13	0.002509	±2.5	PASS
GSM850	251	NV	0	2.65	0.003122	±2.5	PASS
GSM850	251	NV	10	1.42	0.001673	±2.5	PASS
GSM850	251	NV	20	-1.84	-0.002168	±2.5	PASS
GSM850	251	NV	30	-6.33	-0.007458	±2.5	PASS
GSM850	251	NV	40	-2.87	-0.003381	±2.5	PASS
GSM850	251	NV	50	-1.29	-0.001520	±2.5	PASS
GPRS850	251	NV	-30	1.16	0.001367	±2.5	PASS
GPRS850	251	NV	-20	-1.03	-0.001213	±2.5	PASS
GPRS850	251	NV	-10	1.26	0.001484	±2.5	PASS
GPRS850	251	NV	0	2.49	0.002934	±2.5	PASS
GPRS850	251	NV	10	3.23	0.003805	±2.5	PASS
GPRS850	251	NV	20	-1.52	-0.001791	±2.5	PASS
GPRS850	251	NV	30	0.65	0.000766	±2.5	PASS
GPRS850	251	NV	40	1.84	0.002168	±2.5	PASS
GPRS850	251	NV	50	10.91	0.012853	±2.5	PASS

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