

Appendix Test Data

Report No:	1812C50133012504	Test Sample NO:	1-2-2
Start Test Date:	2025-04-02	Finish Test Date:	2025-04-26
Test Engineer:	<i>Joker Huang</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	Up Slot Num	Power(dBm)	Limit(dBm)	Verdict
GPRS850	128	1	28.20	38.45	PASS
GPRS850	128	2	26.29	38.45	PASS
GPRS850	128	3	25.01	38.45	PASS
GPRS850	128	4	23.92	38.45	PASS
GPRS850	190	1	27.94	38.45	PASS
GPRS850	190	2	26.08	38.45	PASS
GPRS850	190	3	24.79	38.45	PASS
GPRS850	190	4	23.62	38.45	PASS
GPRS850	251	1	27.52	38.45	PASS
GPRS850	251	2	25.86	38.45	PASS
GPRS850	251	3	24.29	38.45	PASS
GPRS850	251	4	23.16	38.45	PASS

Band	Channel	Up Slot Num	Power(dBm)	Limit(dBm)	Verdict
EGPRS850	128	1	25.84	38.45	PASS
EGPRS850	128	2	24.63	38.45	PASS
EGPRS850	128	3	22.92	38.45	PASS
EGPRS850	128	4	21.71	38.45	PASS
EGPRS850	190	1	25.43	38.45	PASS
EGPRS850	190	2	24.32	38.45	PASS
EGPRS850	190	3	22.61	38.45	PASS
EGPRS850	190	4	21.46	38.45	PASS
EGPRS850	251	1	25.10	38.45	PASS
EGPRS850	251	2	23.96	38.45	PASS
EGPRS850	251	3	22.31	38.45	PASS
EGPRS850	251	4	21.10	38.45	PASS

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

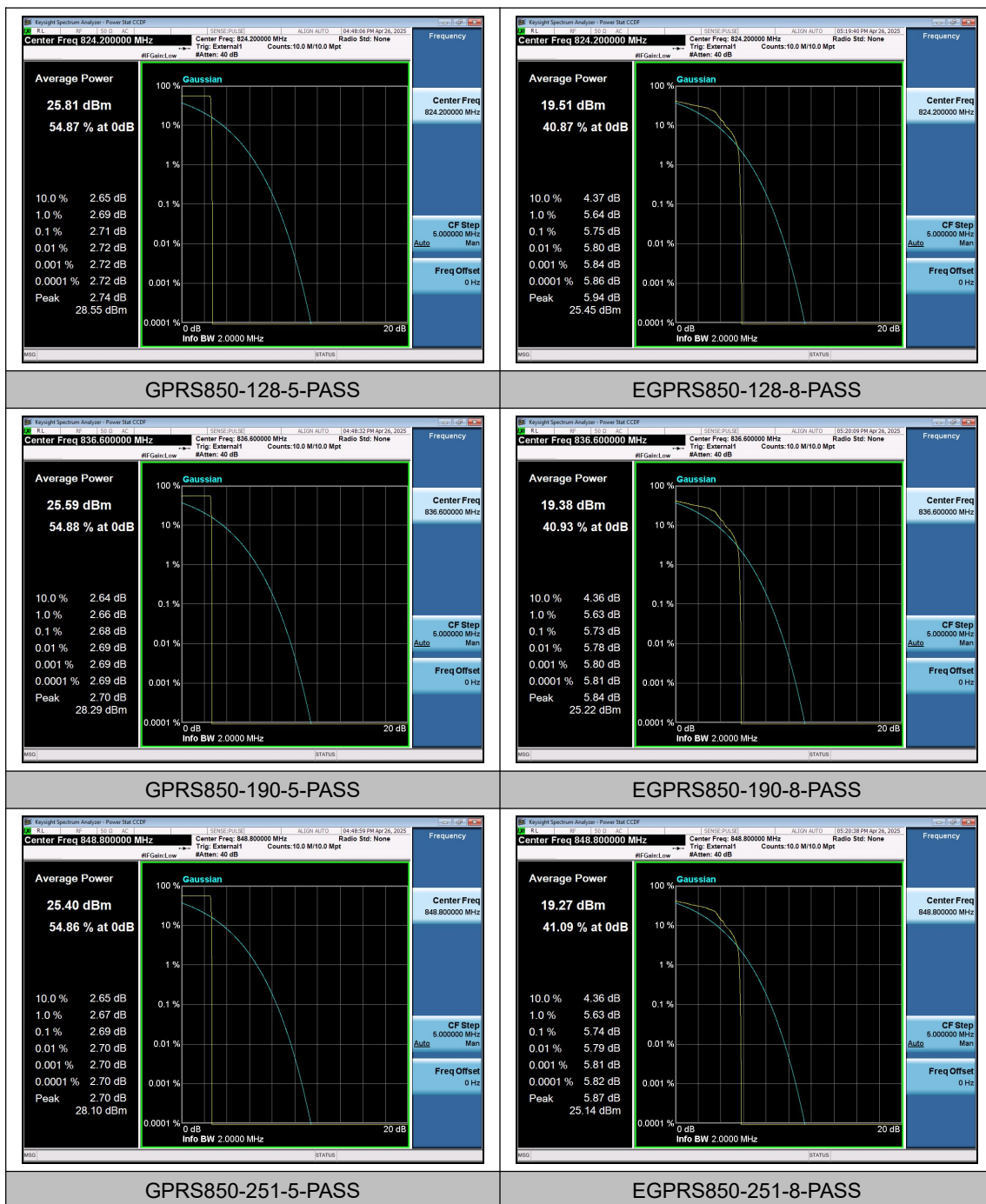
Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GPRS850	128	2.71	13	PASS
EGPRS850	128	5.75	13	PASS
GPRS850	190	2.68	13	PASS
EGPRS850	190	5.73	13	PASS
GPRS850	251	2.69	13	PASS
EGPRS850	251	5.74	13	PASS

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Test Graphs



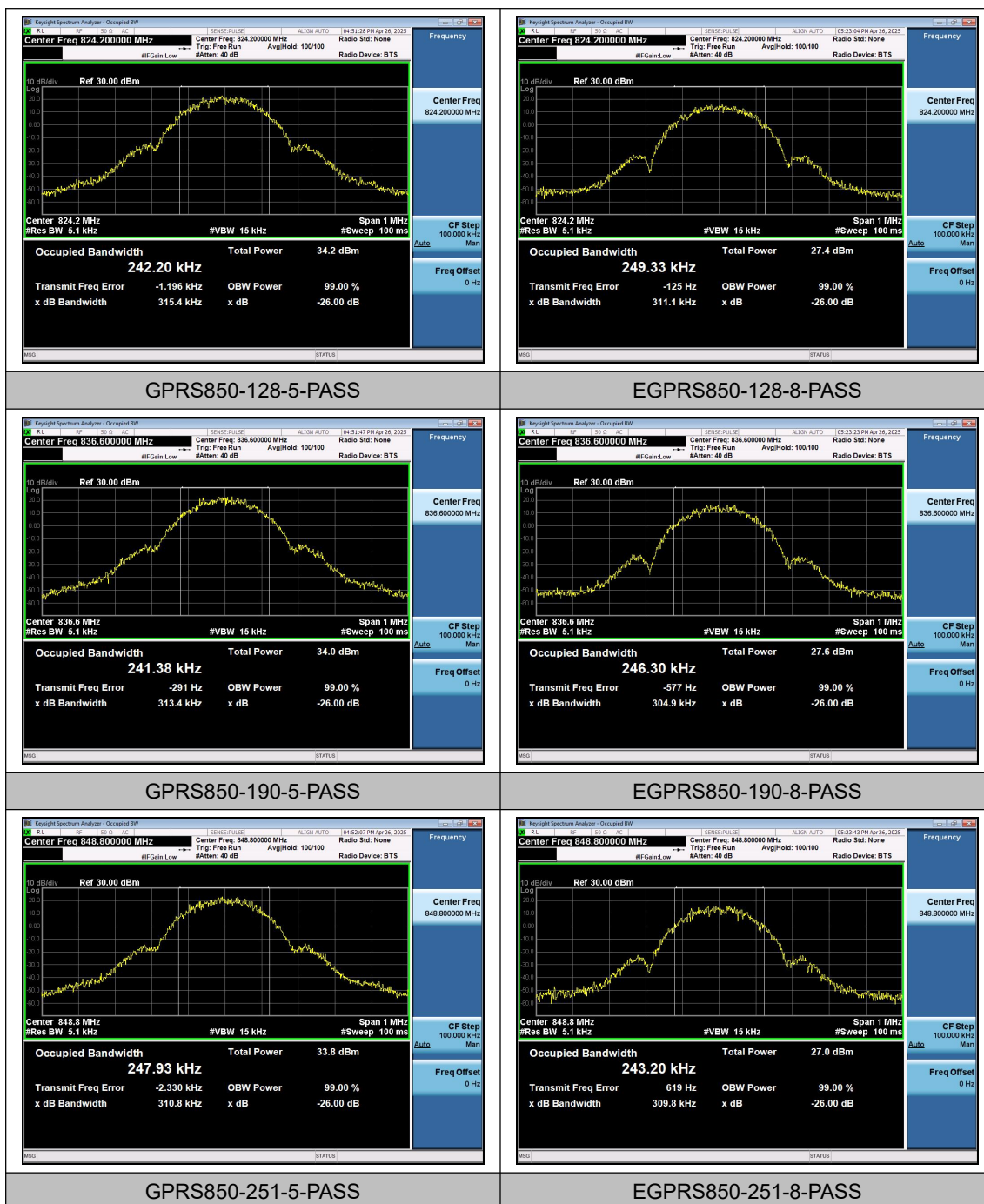
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GPRS850	128	0.24220	0.3154	---	PASS
EGPRS850	128	0.24933	0.3111	---	PASS
GPRS850	190	0.24138	0.3134	---	PASS
EGPRS850	190	0.24630	0.3049	---	PASS
GPRS850	251	0.24793	0.3108	---	PASS
EGPRS850	251	0.24320	0.3098	---	PASS



Test Graphs



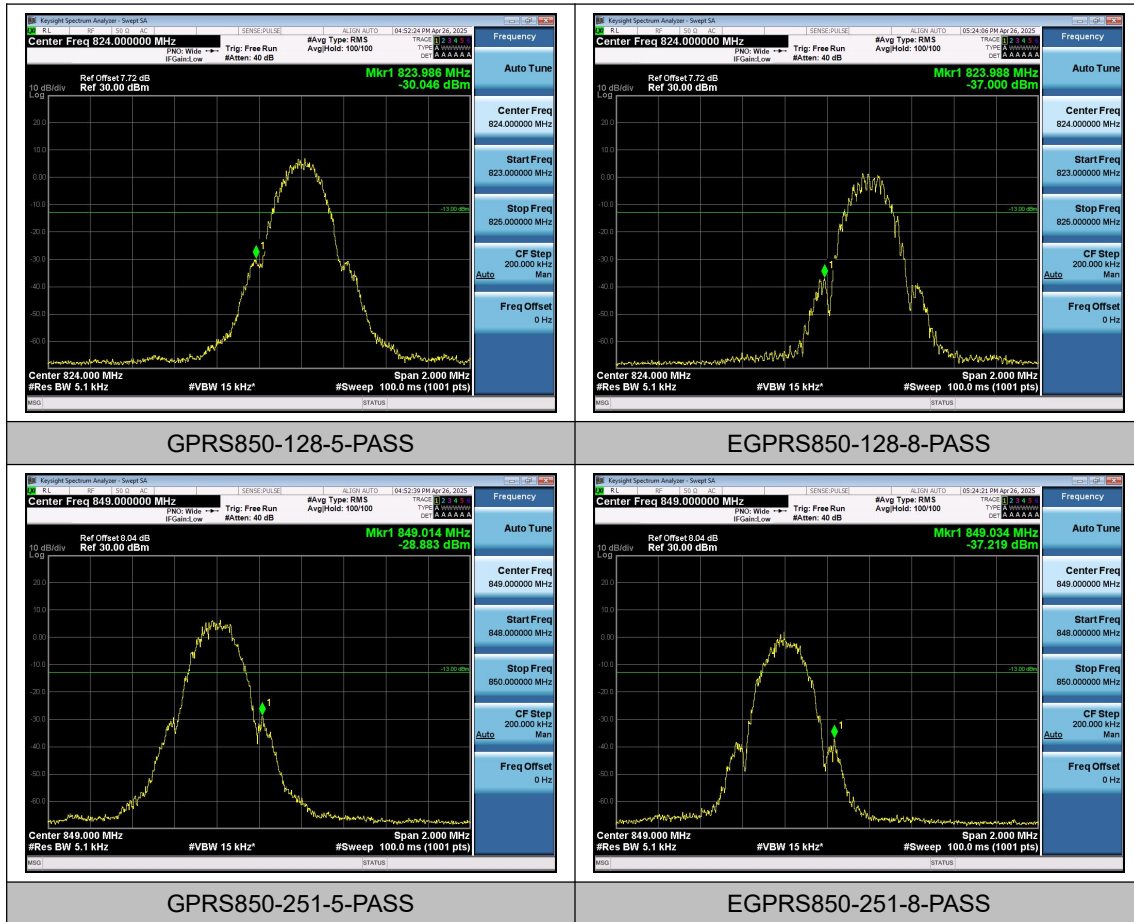
Appendix D: Band Edge

Test Result

Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GPRS850	128	823.99	-30.05	-13	PASS
EGPRS850	128	823.99	-37.00	-13	PASS
GPRS850	251	849.01	-28.88	-13	PASS
EGPRS850	251	849.03	-37.22	-13	PASS



Test Graphs

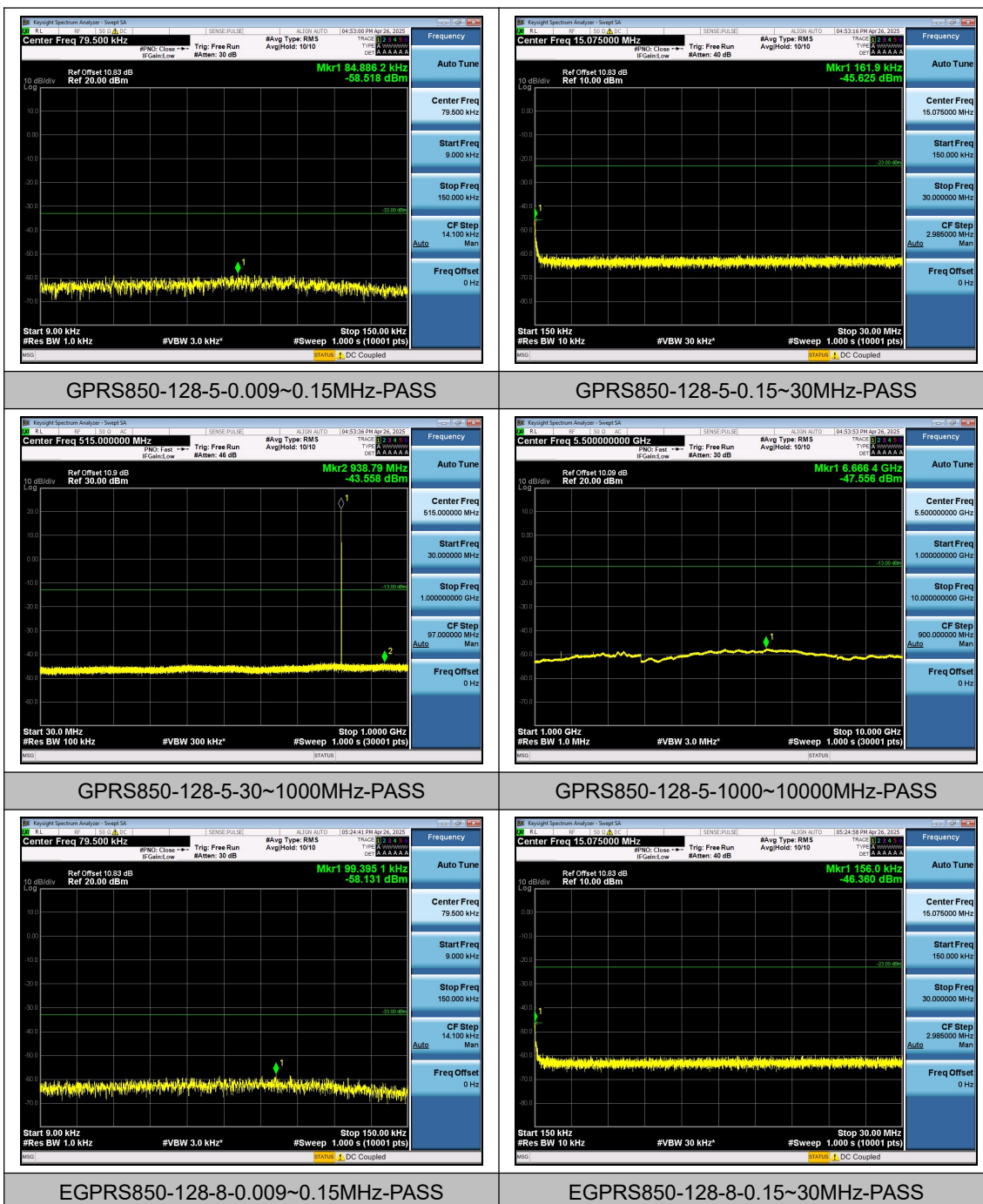


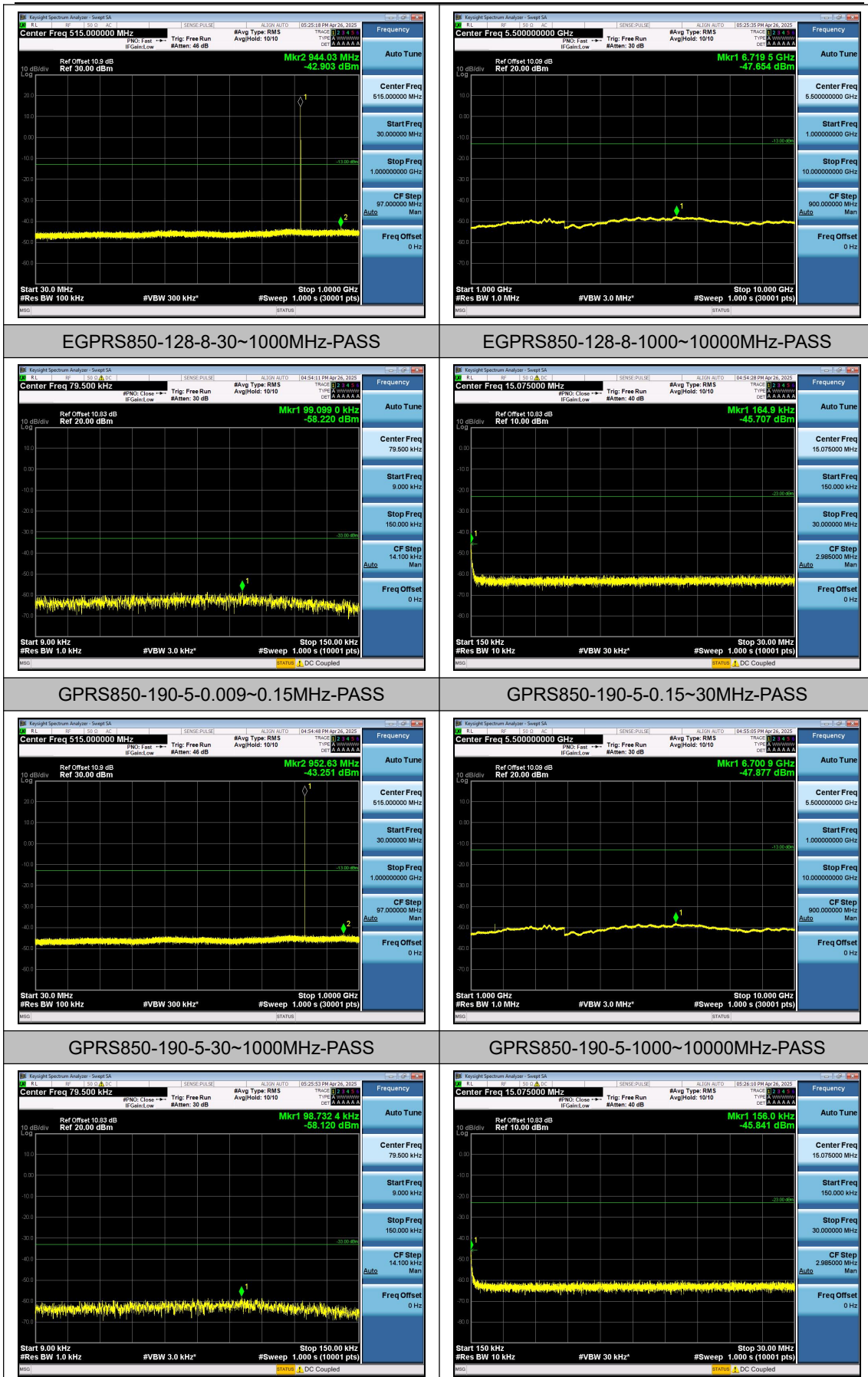
Appendix E: Conducted Spurious Emission

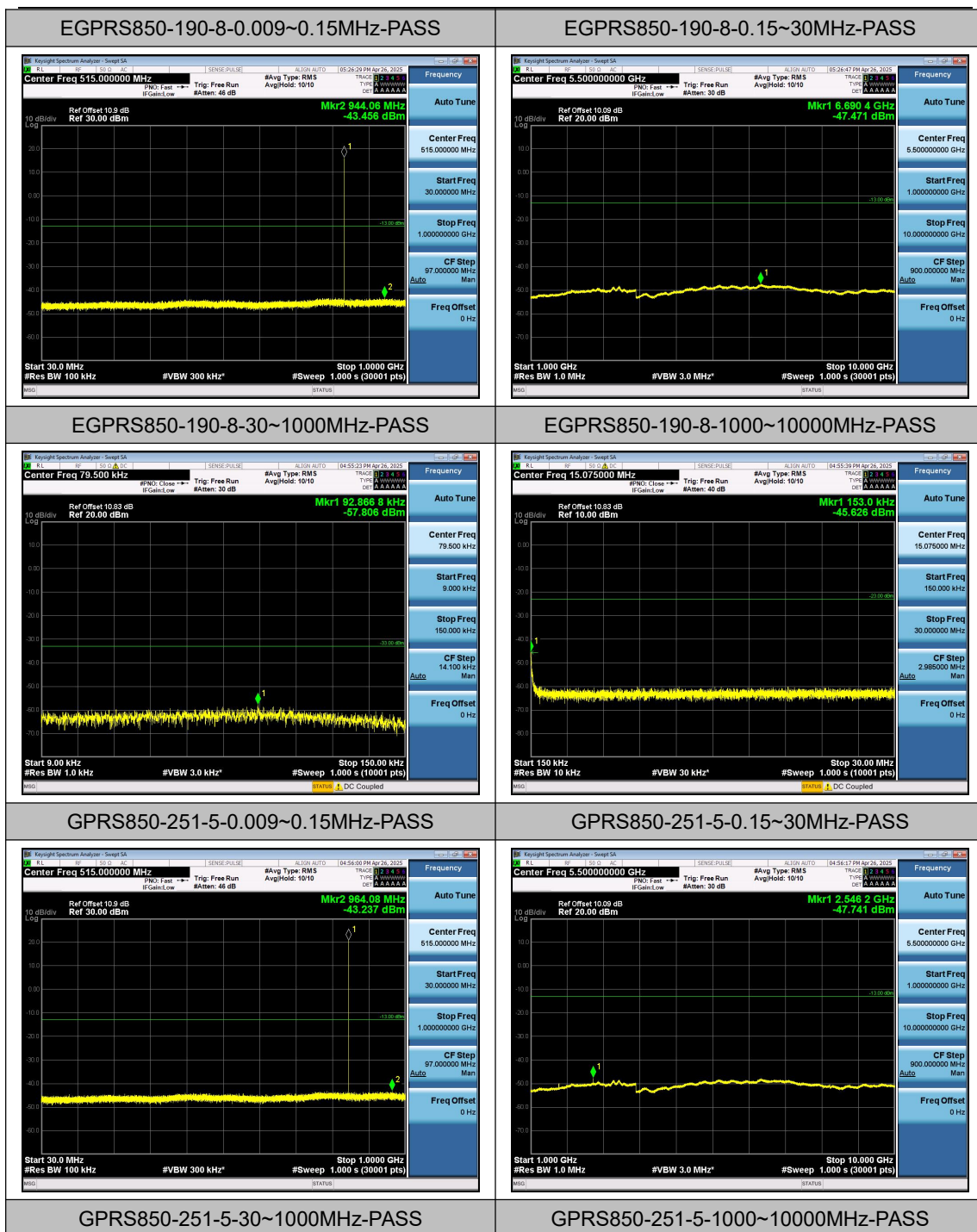
Test Result

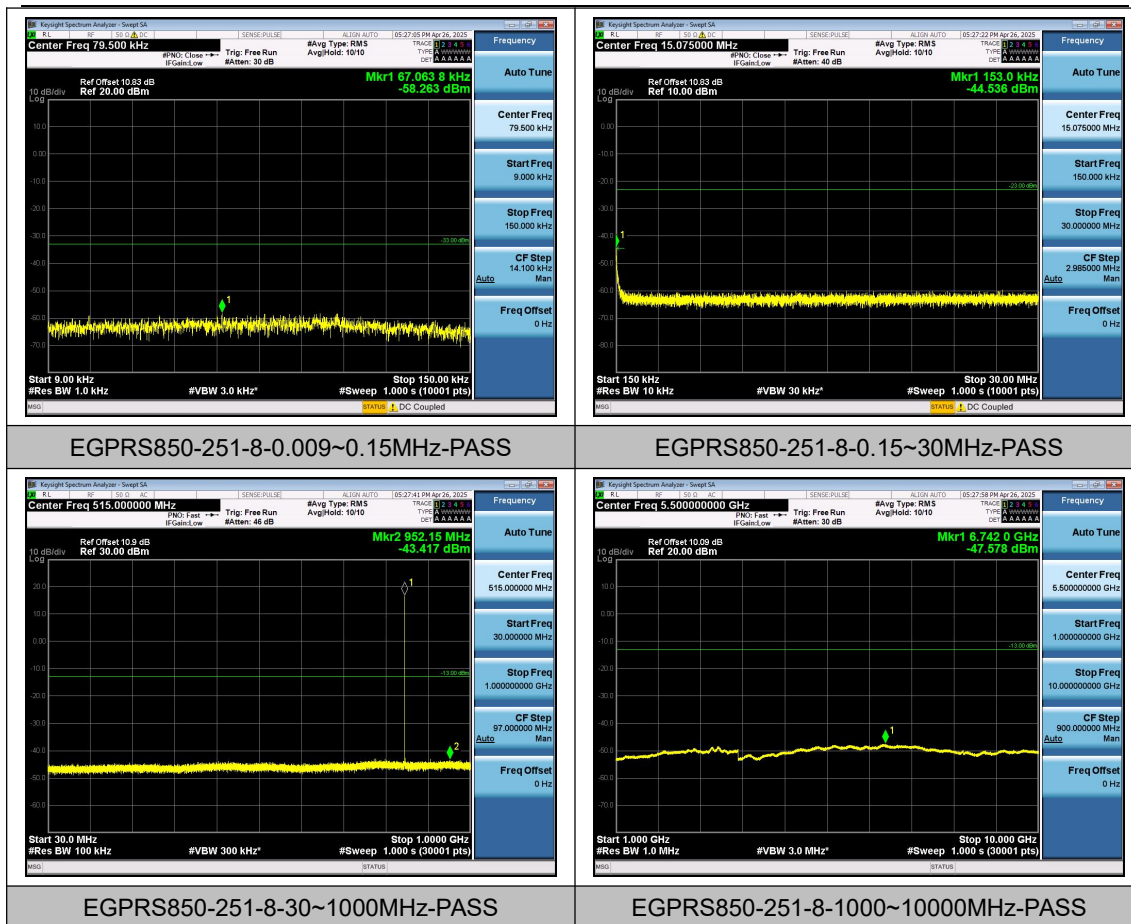
Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GPRS850	128	0.009~0.15MHz	0.08	-58.52	-33	PASS
GPRS850	128	0.15~30MHz	0.16	-45.63	-23	PASS
GPRS850	128	30~1000MHz	938.79	-43.56	-13	PASS
GPRS850	128	1000~10000MHz	6666.4	-47.56	-13	PASS
EGPRS850	128	0.009~0.15MHz	0.1	-58.13	-33	PASS
EGPRS850	128	0.15~30MHz	0.16	-46.36	-23	PASS
EGPRS850	128	30~1000MHz	944.03	-42.9	-13	PASS
EGPRS850	128	1000~10000MHz	6719.5	-47.65	-13	PASS
GPRS850	190	0.009~0.15MHz	0.1	-58.22	-33	PASS
GPRS850	190	0.15~30MHz	0.16	-45.71	-23	PASS
GPRS850	190	30~1000MHz	952.63	-43.25	-13	PASS
GPRS850	190	1000~10000MHz	6700.9	-47.88	-13	PASS
EGPRS850	190	0.009~0.15MHz	0.1	-58.12	-33	PASS
EGPRS850	190	0.15~30MHz	0.16	-45.84	-23	PASS
EGPRS850	190	30~1000MHz	944.06	-43.46	-13	PASS
EGPRS850	190	1000~10000MHz	6690.4	-47.47	-13	PASS
GPRS850	251	0.009~0.15MHz	0.09	-57.81	-33	PASS
GPRS850	251	0.15~30MHz	0.15	-45.63	-23	PASS
GPRS850	251	30~1000MHz	964.08	-43.24	-13	PASS
GPRS850	251	1000~10000MHz	2546.2	-47.74	-13	PASS
EGPRS850	251	0.009~0.15MHz	0.07	-58.26	-33	PASS
EGPRS850	251	0.15~30MHz	0.15	-44.54	-23	PASS
EGPRS850	251	30~1000MHz	952.15	-43.42	-13	PASS
EGPRS850	251	1000~10000MHz	6742	-47.58	-13	PASS

Test Graphs









Appendix F: Frequency Stability VS Voltage measurement

Test Result

Band	Channel	Voltage					
		Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GPRS850	128	VN	NT	22.92	0.027809	±2.5	PASS
GPRS850	128	VL	NT	22.83	0.027700	±2.5	PASS
GPRS850	128	VH	NT	23.92	0.029022	±2.5	PASS
EGPRS850	128	VN	NT	17.69	0.021463	±2.5	PASS
EGPRS850	128	VL	NT	18.73	0.022725	±2.5	PASS
EGPRS850	128	VH	NT	18.66	0.022640	±2.5	PASS
GPRS850	190	VN	NT	23.15	0.027672	±2.5	PASS
GPRS850	190	VL	NT	24.02	0.028711	±2.5	PASS
GPRS850	190	VH	NT	24.96	0.029835	±2.5	PASS
EGPRS850	190	VN	NT	15.11	0.018061	±2.5	PASS
EGPRS850	190	VL	NT	17.27	0.020643	±2.5	PASS
EGPRS850	190	VH	NT	17.24	0.020607	±2.5	PASS
GPRS850	251	VN	NT	24.18	0.028487	±2.5	PASS
GPRS850	251	VL	NT	23.86	0.028110	±2.5	PASS
GPRS850	251	VH	NT	23.08	0.027191	±2.5	PASS
EGPRS850	251	VN	NT	17.69	0.020841	±2.5	PASS
EGPRS850	251	VL	NT	17.43	0.020535	±2.5	PASS
EGPRS850	251	VH	NT	15.98	0.018827	±2.5	PASS



Appendix G: Frequency Stability VS Temperature

measurement

Test Result

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GPRS850	128	NV	-30	25.09	0.030442	±2.5	PASS
GPRS850	128	NV	-20	24.80	0.030090	±2.5	PASS
GPRS850	128	NV	-10	26.31	0.031922	±2.5	PASS
GPRS850	128	NV	0	23.54	0.028561	±2.5	PASS
GPRS850	128	NV	10	23.15	0.028088	±2.5	PASS
GPRS850	128	NV	20	24.67	0.029932	±2.5	PASS
GPRS850	128	NV	30	25.54	0.030988	±2.5	PASS
GPRS850	128	NV	40	26.25	0.031849	±2.5	PASS
GPRS850	128	NV	50	25.86	0.031376	±2.5	PASS
EGPRS850	128	NV	-30	19.60	0.023781	±2.5	PASS
EGPRS850	128	NV	-20	18.98	0.023028	±2.5	PASS
EGPRS850	128	NV	-10	19.95	0.024205	±2.5	PASS
EGPRS850	128	NV	0	18.73	0.022725	±2.5	PASS
EGPRS850	128	NV	10	18.47	0.022410	±2.5	PASS
EGPRS850	128	NV	20	18.47	0.022410	±2.5	PASS
EGPRS850	128	NV	30	17.53	0.021269	±2.5	PASS
EGPRS850	128	NV	40	18.27	0.022167	±2.5	PASS
EGPRS850	128	NV	50	19.47	0.023623	±2.5	PASS
GPRS850	190	NV	-30	24.99	0.029871	±2.5	PASS
GPRS850	190	NV	-20	25.05	0.029943	±2.5	PASS
GPRS850	190	NV	-10	24.41	0.029178	±2.5	PASS
GPRS850	190	NV	0	24.02	0.028711	±2.5	PASS
GPRS850	190	NV	10	25.15	0.030062	±2.5	PASS
GPRS850	190	NV	20	25.99	0.031066	±2.5	PASS
GPRS850	190	NV	30	23.79	0.028437	±2.5	PASS
GPRS850	190	NV	40	23.83	0.028484	±2.5	PASS
GPRS850	190	NV	50	24.96	0.029835	±2.5	PASS
EGPRS850	190	NV	-30	19.63	0.023464	±2.5	PASS
EGPRS850	190	NV	-20	18.50	0.022113	±2.5	PASS
EGPRS850	190	NV	-10	17.56	0.020990	±2.5	PASS
EGPRS850	190	NV	0	18.76	0.022424	±2.5	PASS
EGPRS850	190	NV	10	20.02	0.023930	±2.5	PASS
EGPRS850	190	NV	20	18.98	0.022687	±2.5	PASS

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EGPRS850	190	NV	30	19.76	0.023619	±2.5	PASS
EGPRS850	190	NV	40	19.37	0.023153	±2.5	PASS
EGPRS850	190	NV	50	17.72	0.021181	±2.5	PASS
GPRS850	251	NV	-30	23.05	0.027156	±2.5	PASS
GPRS850	251	NV	-20	23.67	0.027886	±2.5	PASS
GPRS850	251	NV	-10	22.05	0.025978	±2.5	PASS
GPRS850	251	NV	0	23.28	0.027427	±2.5	PASS
GPRS850	251	NV	10	23.08	0.027191	±2.5	PASS
GPRS850	251	NV	20	22.73	0.026779	±2.5	PASS
GPRS850	251	NV	30	22.96	0.027050	±2.5	PASS
GPRS850	251	NV	40	24.02	0.028299	±2.5	PASS
GPRS850	251	NV	50	24.09	0.028381	±2.5	PASS
EGPRS850	251	NV	-30	15.14	0.017837	±2.5	PASS
EGPRS850	251	NV	-20	15.46	0.018214	±2.5	PASS
EGPRS850	251	NV	-10	16.14	0.019015	±2.5	PASS
EGPRS850	251	NV	0	15.37	0.018108	±2.5	PASS
EGPRS850	251	NV	10	16.50	0.019439	±2.5	PASS
EGPRS850	251	NV	20	16.53	0.019475	±2.5	PASS
EGPRS850	251	NV	30	16.92	0.019934	±2.5	PASS
EGPRS850	251	NV	40	17.47	0.020582	±2.5	PASS
EGPRS850	251	NV	50	16.11	0.018980	±2.5	PASS

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