

Appendix Test Data

Report No.:	1812C40114912504	Test Sample No.:	1-2-2
Start Test Date:	2024.10.31	Finish Test Date:	2024.11.12
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.3℃	Relative Humidity:	57 %
Pressure:	101 kPa		

Appendix A: Conducted Output Power

Test Result

Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
GPRS850	128	2	27.48	38.45	PASS
GPRS850	128	3	27.25	38.45	PASS
GPRS850	128	4	27.08	38.45	PASS
GPRS850	190	1	27.68	38.45	PASS
GPRS850	190	2	27.98	38.45	PASS
GPRS850	190	3	27.82	38.45	PASS
GPRS850	190	4	26.69	38.45	PASS
GPRS850	251	1	27.70	38.45	PASS
GPRS850	251	2	27.17	38.45	PASS
GPRS850	251	3	27.00	38.45	PASS
GPRS850	251	4	26.87	38.45	PASS
GPRS850	128	1	27.37	38.45	PASS

Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
EGPRS850	128	1	27.21	38.45	PASS
EGPRS850	128	2	26.07	38.45	PASS
EGPRS850	128	3	24.39	38.45	PASS
EGPRS850	128	4	23.23	38.45	PASS
EGPRS850	190	1	27.56	38.45	PASS
EGPRS850	190	2	26.46	38.45	PASS
EGPRS850	190	3	24.84	38.45	PASS
EGPRS850	190	4	23.73	38.45	PASS
EGPRS850	251	1	27.78	38.45	PASS
EGPRS850	251	2	26.69	38.45	PASS
EGPRS850	251	3	25.01	38.45	PASS
EGPRS850	251	4	23.81	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	2.64	13	PASS
GPRS850	190	2.63	13	PASS
GPRS850	251	2.63	13	PASS
EGPRS850	128	5.6	13	PASS
EGPRS850	190	5.62	13	PASS
EGPRS850	251	5.64	13	PASS

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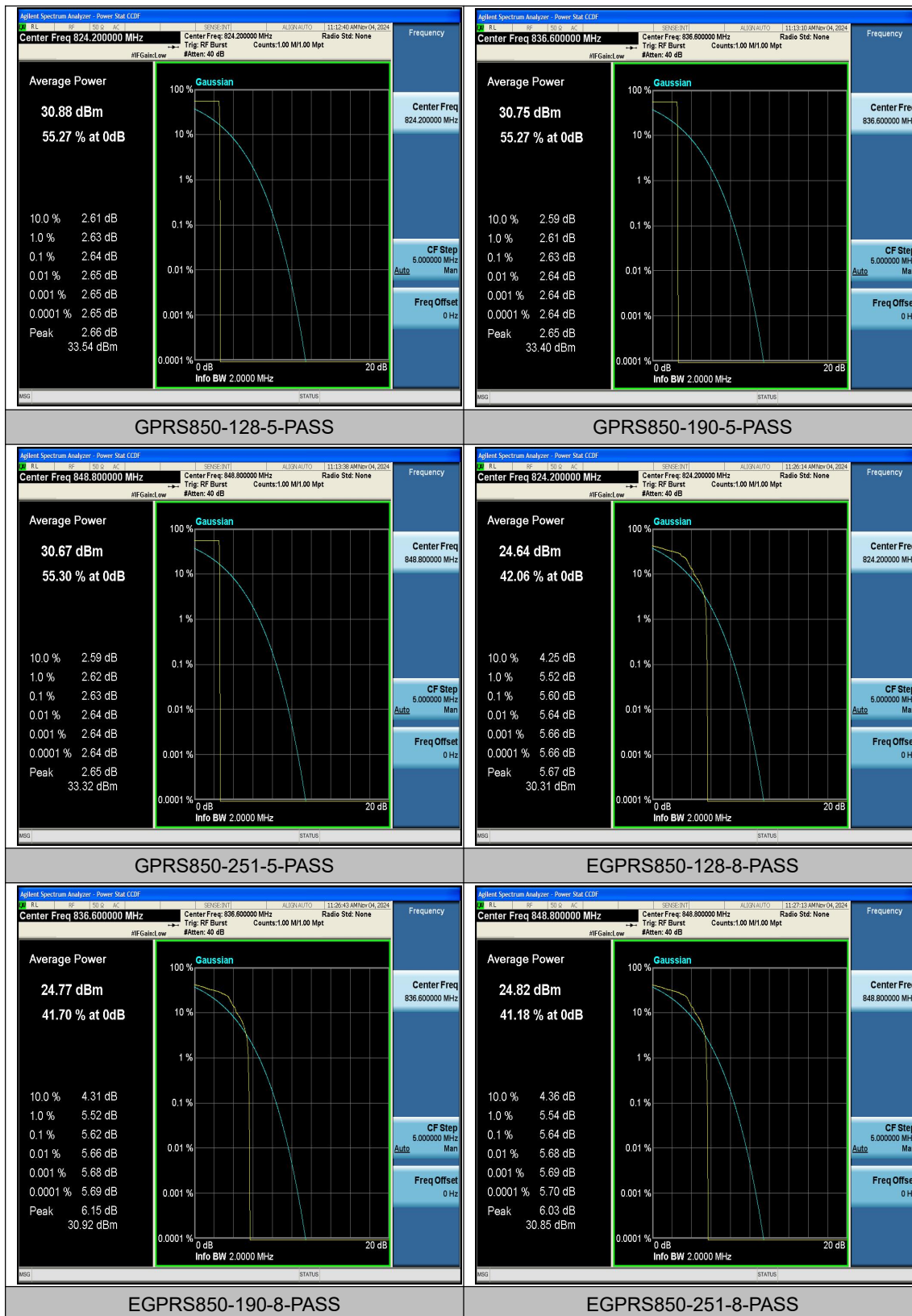
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Test Graphs



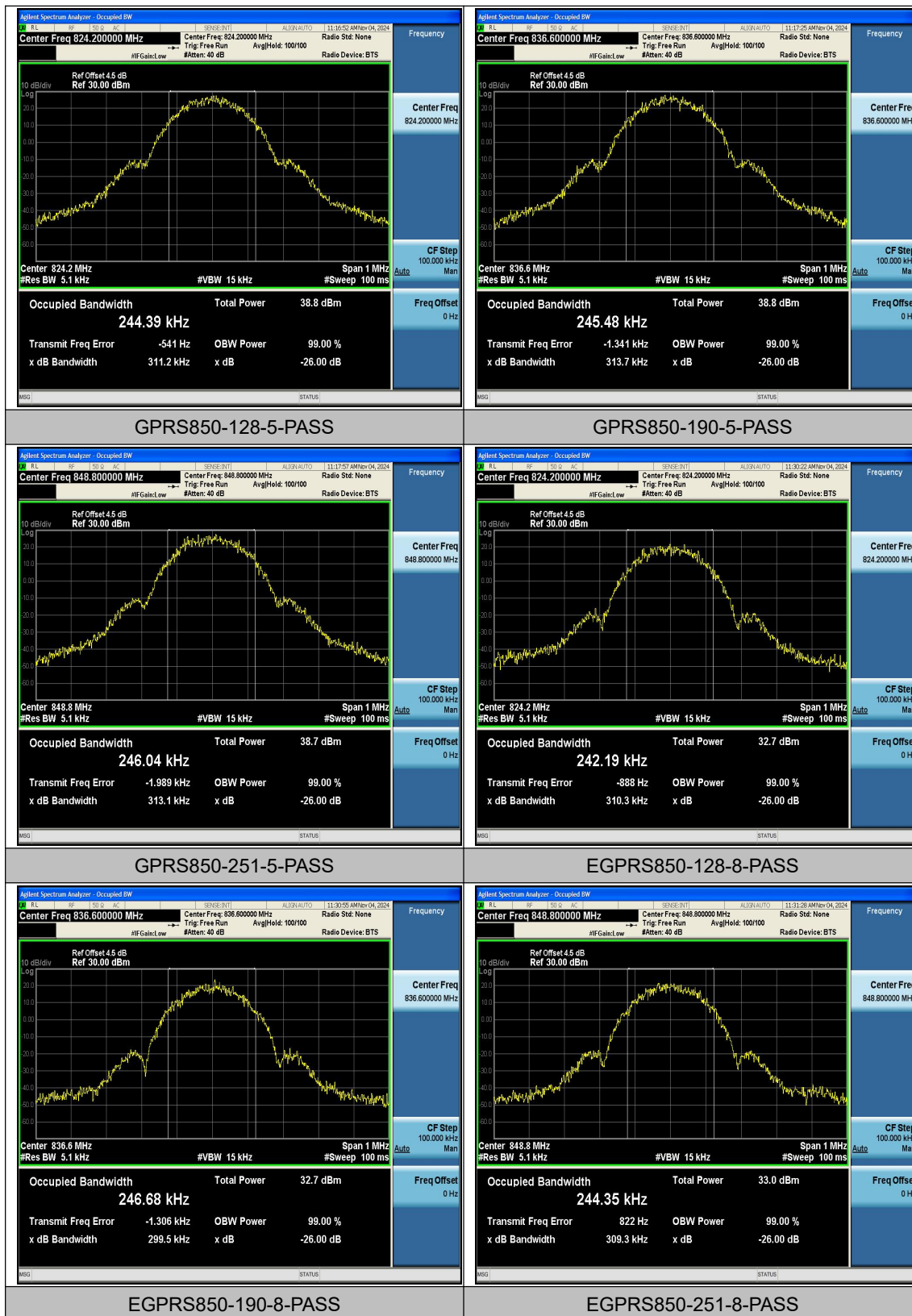
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GPRS850	128	0.24439	0.3112	---	PASS
GPRS850	190	0.24548	0.3137	---	PASS
GPRS850	251	0.24604	0.3131	---	PASS
EGPRS850	128	0.24219	0.3103	---	PASS
EGPRS850	190	0.24668	0.2995	---	PASS
EGPRS850	251	0.24435	0.3093	---	PASS



Test Graphs



Appendix D: Band Edge

Test Result

Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GPRS850	128	823.99	-25.10	-13	PASS
GPRS850	251	849.02	-24.19	-13	PASS
EGPRS850	128	823.99	-32.98	-13	PASS
EGPRS850	251	849.04	-32.99	-13	PASS

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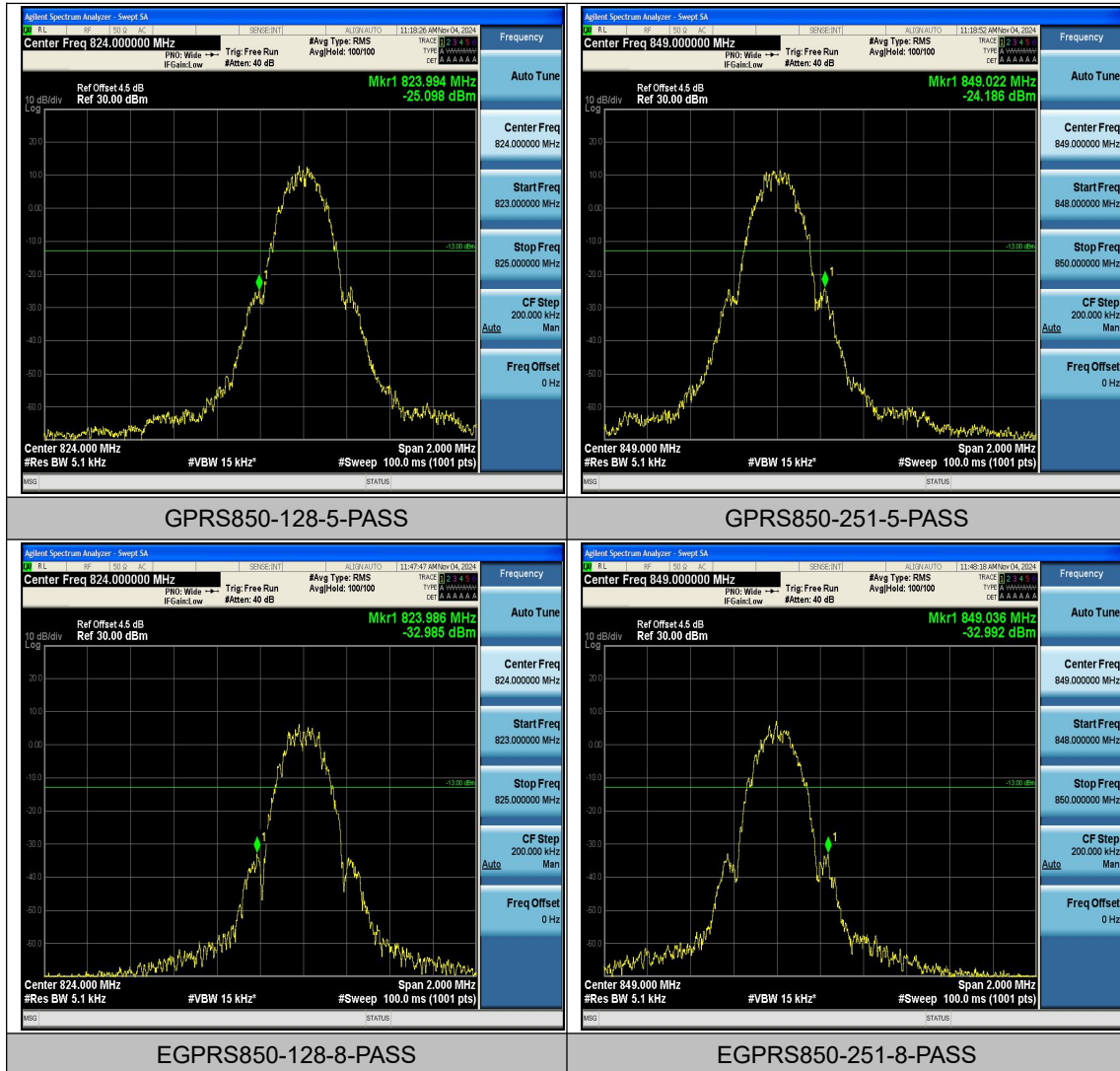
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Test Graphs



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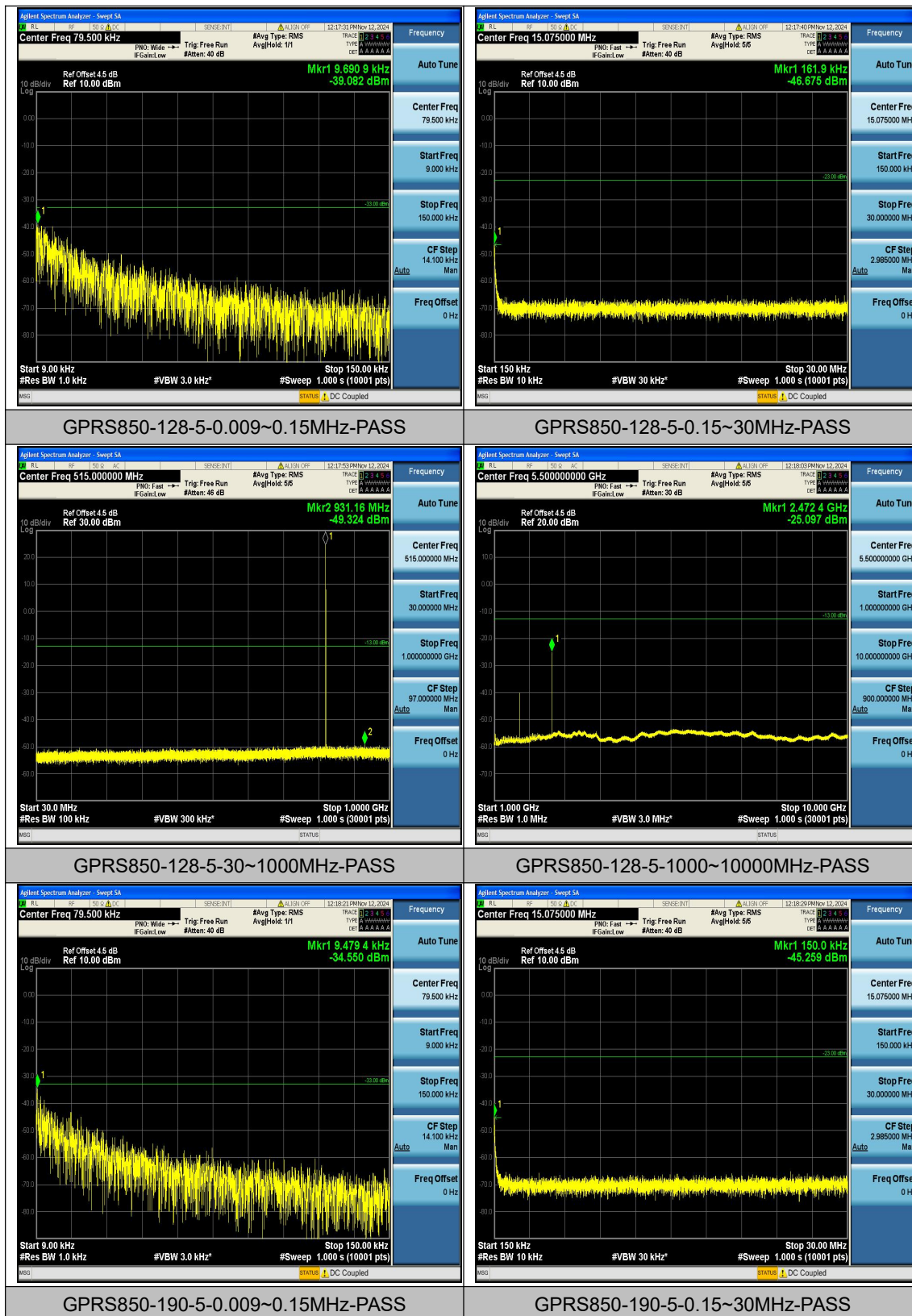
Appendix E: Conducted Spurious Emission

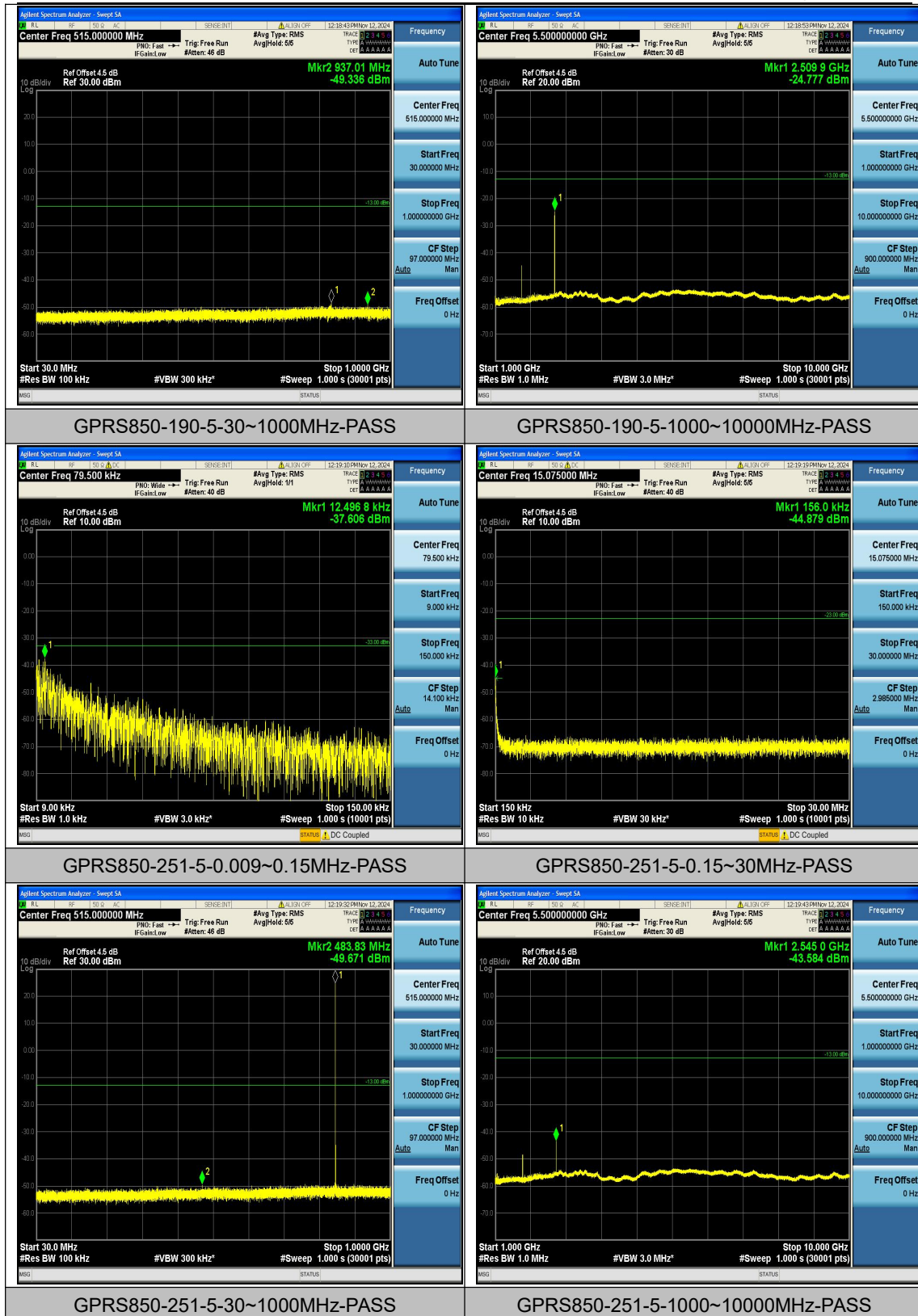
Test Result

Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GPRS850	128	0.009~0.15MHz	0.01	-39.08	-33	PASS
GPRS850	128	0.15~30MHz	0.16	-46.68	-23	PASS
GPRS850	128	30~1000MHz	931.16	-49.32	-13	PASS
GPRS850	128	1000~10000MHz	2472.4	-25.1	-13	PASS
GPRS850	190	0.009~0.15MHz	0.01	-34.55	-33	PASS
GPRS850	190	0.15~30MHz	0.15	-45.26	-23	PASS
GPRS850	190	30~1000MHz	937.01	-49.34	-13	PASS
GPRS850	190	1000~10000MHz	2509.9	-24.78	-13	PASS
GPRS850	251	0.009~0.15MHz	0.01	-37.61	-33	PASS
GPRS850	251	0.15~30MHz	0.16	-44.88	-23	PASS
GPRS850	251	30~1000MHz	483.83	-49.67	-13	PASS
GPRS850	251	1000~10000MHz	2545	-43.58	-13	PASS
EGPRS850	128	0.009~0.15MHz	0.01	-36.24	-33	PASS
EGPRS850	128	0.15~30MHz	0.15	-47.42	-23	PASS
EGPRS850	128	30~1000MHz	996.51	-49.81	-13	PASS
EGPRS850	128	1000~10000MHz	1648.3	-49.07	-13	PASS
EGPRS850	190	0.009~0.15MHz	0.01	-37.08	-33	PASS
EGPRS850	190	0.15~30MHz	0.16	-45.98	-23	PASS
EGPRS850	190	30~1000MHz	733.64	-49.61	-13	PASS
EGPRS850	190	1000~10000MHz	2509	-41.81	-13	PASS
EGPRS850	251	0.009~0.15MHz	0.01	-38.74	-33	PASS
EGPRS850	251	0.15~30MHz	0.17	-46.97	-23	PASS
EGPRS850	251	30~1000MHz	685.01	-49.52	-13	PASS
EGPRS850	251	1000~10000MHz	2546.5	-35.01	-13	PASS



Test Graphs





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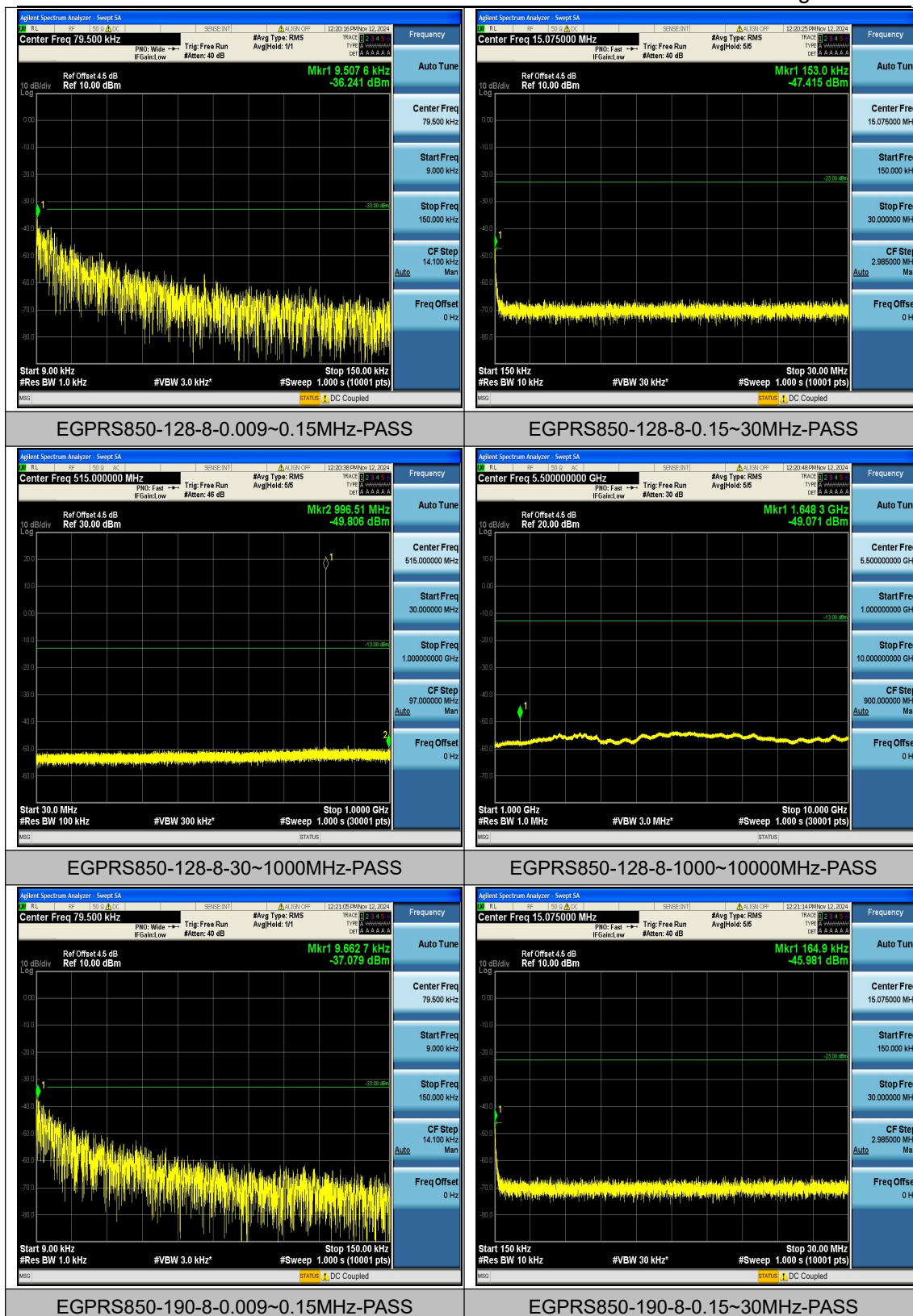
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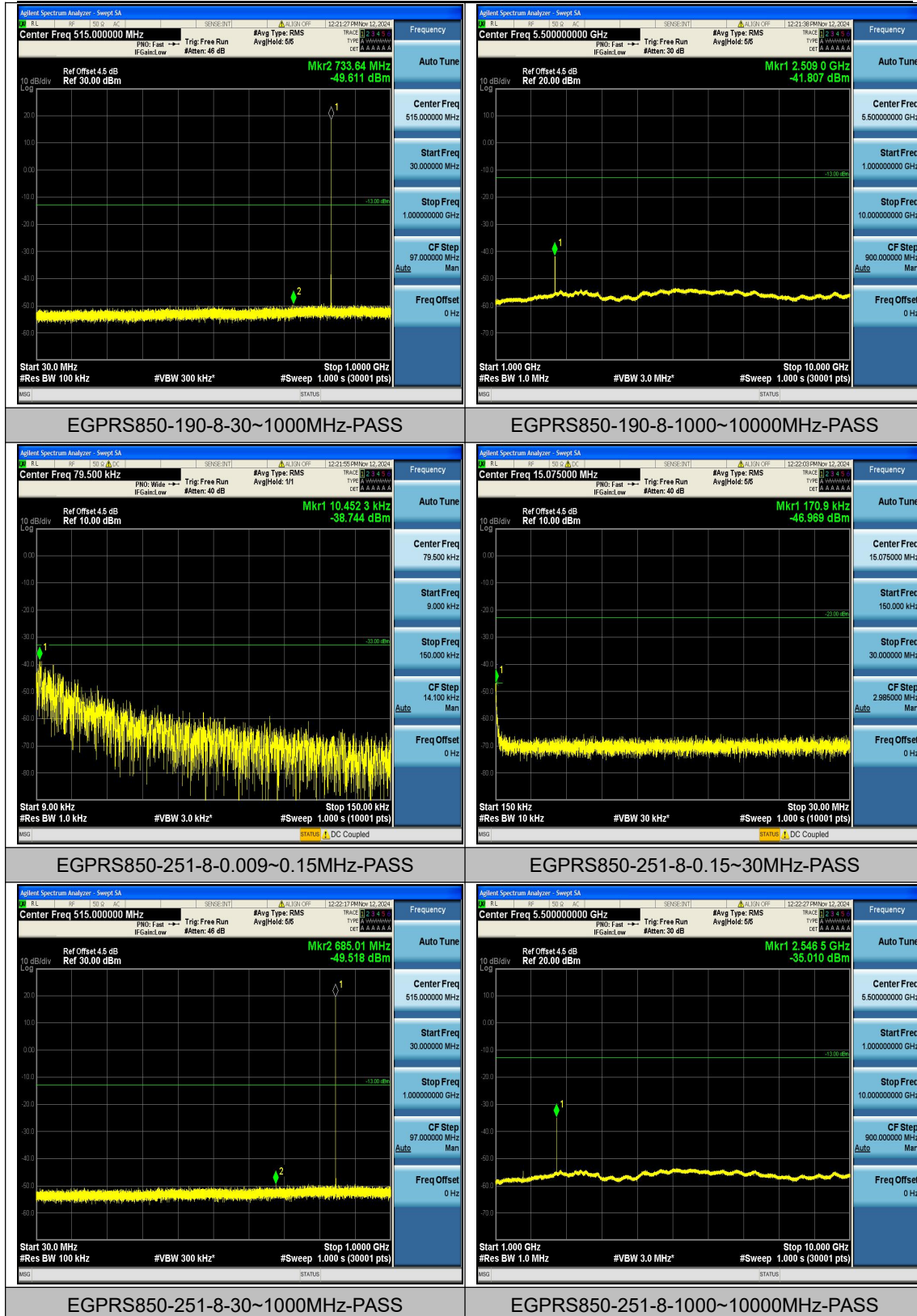


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Appendix F: Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GPRS850	128	VN	NT	28.35	0.034397	±2.5	PASS
GPRS850	128	VL	NT	29.96	0.036350	±2.5	PASS
GPRS850	128	VH	NT	27.86	0.033802	±2.5	PASS
GPRS850	190	VN	NT	29.67	0.035465	±2.5	PASS
GPRS850	190	VL	NT	31.28	0.037389	±2.5	PASS
GPRS850	190	VH	NT	30.67	0.036660	±2.5	PASS
GPRS850	251	VN	NT	31.64	0.037276	±2.5	PASS
GPRS850	251	VL	NT	31.51	0.037123	±2.5	PASS
GPRS850	251	VH	NT	30.09	0.035450	±2.5	PASS
EGPRS850	128	VN	NT	23.57	0.028597	±2.5	PASS
EGPRS850	128	VL	NT	22.47	0.027263	±2.5	PASS
EGPRS850	128	VH	NT	24.34	0.029532	±2.5	PASS
EGPRS850	190	VN	NT	24.38	0.029142	±2.5	PASS
EGPRS850	190	VL	NT	27.57	0.032955	±2.5	PASS
EGPRS850	190	VH	NT	26.38	0.031532	±2.5	PASS
EGPRS850	251	VN	NT	25.28	0.029783	±2.5	PASS
EGPRS850	251	VL	NT	22.73	0.026779	±2.5	PASS
EGPRS850	251	VH	NT	21.76	0.025636	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GPRS850	128	NV	-30	29.28	0.035525	±2.5	PASS
GPRS850	128	NV	-20	27.48	0.033341	±2.5	PASS
GPRS850	128	NV	-10	25.31	0.030709	±2.5	PASS
GPRS850	128	NV	0	28.44	0.034506	±2.5	PASS
GPRS850	128	NV	10	27.02	0.032783	±2.5	PASS
GPRS850	128	NV	20	25.22	0.030599	±2.5	PASS
GPRS850	128	NV	30	26.18	0.031764	±2.5	PASS
GPRS850	128	NV	40	26.57	0.032237	±2.5	PASS
GPRS850	128	NV	50	26.51	0.032165	±2.5	PASS
GPRS850	190	NV	-30	28.48	0.034043	±2.5	PASS
GPRS850	190	NV	-20	28.80	0.034425	±2.5	PASS
GPRS850	190	NV	-10	28.73	0.034341	±2.5	PASS
GPRS850	190	NV	0	28.57	0.034150	±2.5	PASS
GPRS850	190	NV	10	28.44	0.033995	±2.5	PASS

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GPRS850	190	NV	20	27.41	0.032764	±2.5	PASS
GPRS850	190	NV	30	28.41	0.033959	±2.5	PASS
GPRS850	190	NV	40	31.22	0.037318	±2.5	PASS
GPRS850	190	NV	50	29.02	0.034688	±2.5	PASS
GPRS850	251	NV	-30	28.96	0.034119	±2.5	PASS
GPRS850	251	NV	-20	30.45	0.035874	±2.5	PASS
GPRS850	251	NV	-10	28.93	0.034083	±2.5	PASS
GPRS850	251	NV	0	29.35	0.034578	±2.5	PASS
GPRS850	251	NV	10	28.25	0.033282	±2.5	PASS
GPRS850	251	NV	20	28.83	0.033966	±2.5	PASS
GPRS850	251	NV	30	28.93	0.034083	±2.5	PASS
GPRS850	251	NV	40	27.67	0.032599	±2.5	PASS
GPRS850	251	NV	50	29.06	0.034237	±2.5	PASS
EGPRS850	128	NV	-30	24.09	0.029228	±2.5	PASS
EGPRS850	128	NV	-20	24.05	0.029180	±2.5	PASS
EGPRS850	128	NV	-10	24.09	0.029228	±2.5	PASS
EGPRS850	128	NV	0	23.57	0.028597	±2.5	PASS
EGPRS850	128	NV	10	22.28	0.027032	±2.5	PASS
EGPRS850	128	NV	20	22.60	0.027421	±2.5	PASS
EGPRS850	128	NV	30	22.96	0.027857	±2.5	PASS
EGPRS850	128	NV	40	22.28	0.027032	±2.5	PASS
EGPRS850	128	NV	50	22.86	0.027736	±2.5	PASS
EGPRS850	190	NV	-30	25.70	0.030720	±2.5	PASS
EGPRS850	190	NV	-20	26.12	0.031222	±2.5	PASS
EGPRS850	190	NV	-10	21.86	0.026130	±2.5	PASS
EGPRS850	190	NV	0	22.83	0.027289	±2.5	PASS
EGPRS850	190	NV	10	23.02	0.027516	±2.5	PASS
EGPRS850	190	NV	20	26.47	0.031640	±2.5	PASS
EGPRS850	190	NV	30	22.99	0.027480	±2.5	PASS
EGPRS850	190	NV	40	24.86	0.029716	±2.5	PASS
EGPRS850	190	NV	50	23.25	0.027791	±2.5	PASS
EGPRS850	251	NV	-30	21.50	0.025330	±2.5	PASS
EGPRS850	251	NV	-20	23.12	0.027238	±2.5	PASS
EGPRS850	251	NV	-10	22.18	0.026131	±2.5	PASS
EGPRS850	251	NV	0	22.86	0.026932	±2.5	PASS
EGPRS850	251	NV	10	22.34	0.026320	±2.5	PASS
EGPRS850	251	NV	20	22.54	0.026555	±2.5	PASS
EGPRS850	251	NV	30	22.66	0.026697	±2.5	PASS
EGPRS850	251	NV	40	21.89	0.025789	±2.5	PASS
EGPRS850	251	NV	50	23.05	0.027156	±2.5	PASS

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