

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
GPRS1900	512	1	29.69	33.00	PASS
GPRS1900	512	2	28.93	33.00	PASS
GPRS1900	512	3	27.46	33.00	PASS
GPRS1900	512	4	26.51	33.00	PASS
GPRS1900	661	1	29.88	33.00	PASS
GPRS1900	661	2	29.06	33.00	PASS
GPRS1900	661	3	27.71	33.00	PASS
GPRS1900	661	4	26.47	33.00	PASS
GPRS1900	810	1	29.93	33.00	PASS
GPRS1900	810	2	29.13	33.00	PASS
GPRS1900	810	3	27.85	33.00	PASS
GPRS1900	810	4	26.54	33.00	PASS

Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
EGPRS1900	512	1	26.60	33.00	PASS
EGPRS1900	512	2	25.87	33.00	PASS
EGPRS1900	512	3	24.52	33.00	PASS
EGPRS1900	512	4	23.05	33.00	PASS
EGPRS1900	661	1	26.38	33.00	PASS
EGPRS1900	661	2	25.62	33.00	PASS
EGPRS1900	661	3	24.15	33.00	PASS
EGPRS1900	661	4	22.78	33.00	PASS
EGPRS1900	810	1	26.54	33.00	PASS
EGPRS1900	810	2	25.86	33.00	PASS
EGPRS1900	810	3	24.24	33.00	PASS
EGPRS1900	810	4	22.87	33.00	PASS

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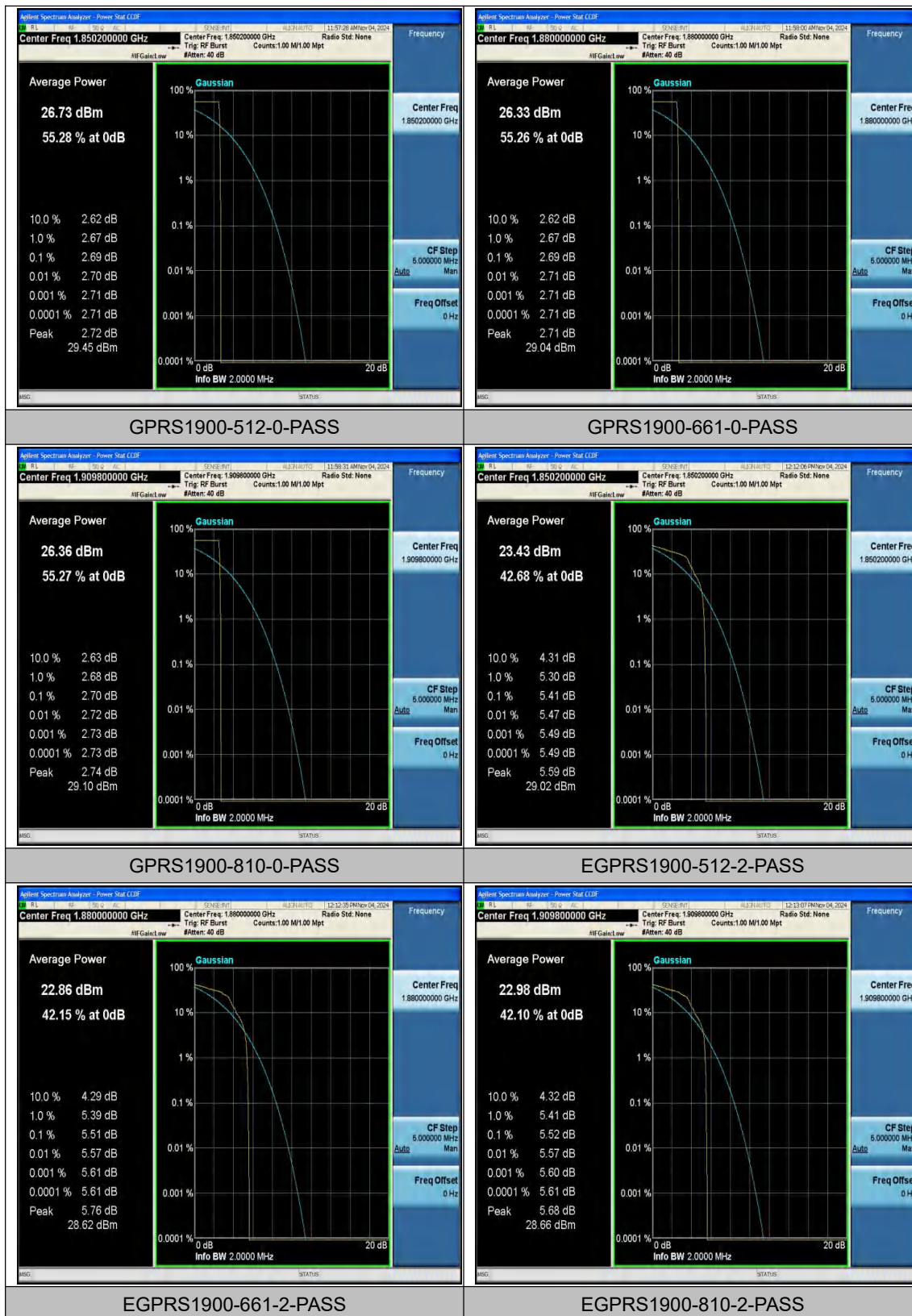
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GPRS1900	512	2.69	13	PASS
GPRS1900	661	2.69	13	PASS
GPRS1900	810	2.7	13	PASS
EGPRS1900	512	5.41	13	PASS
EGPRS1900	661	5.51	13	PASS
EGPRS1900	810	5.52	13	PASS



Test Graphs



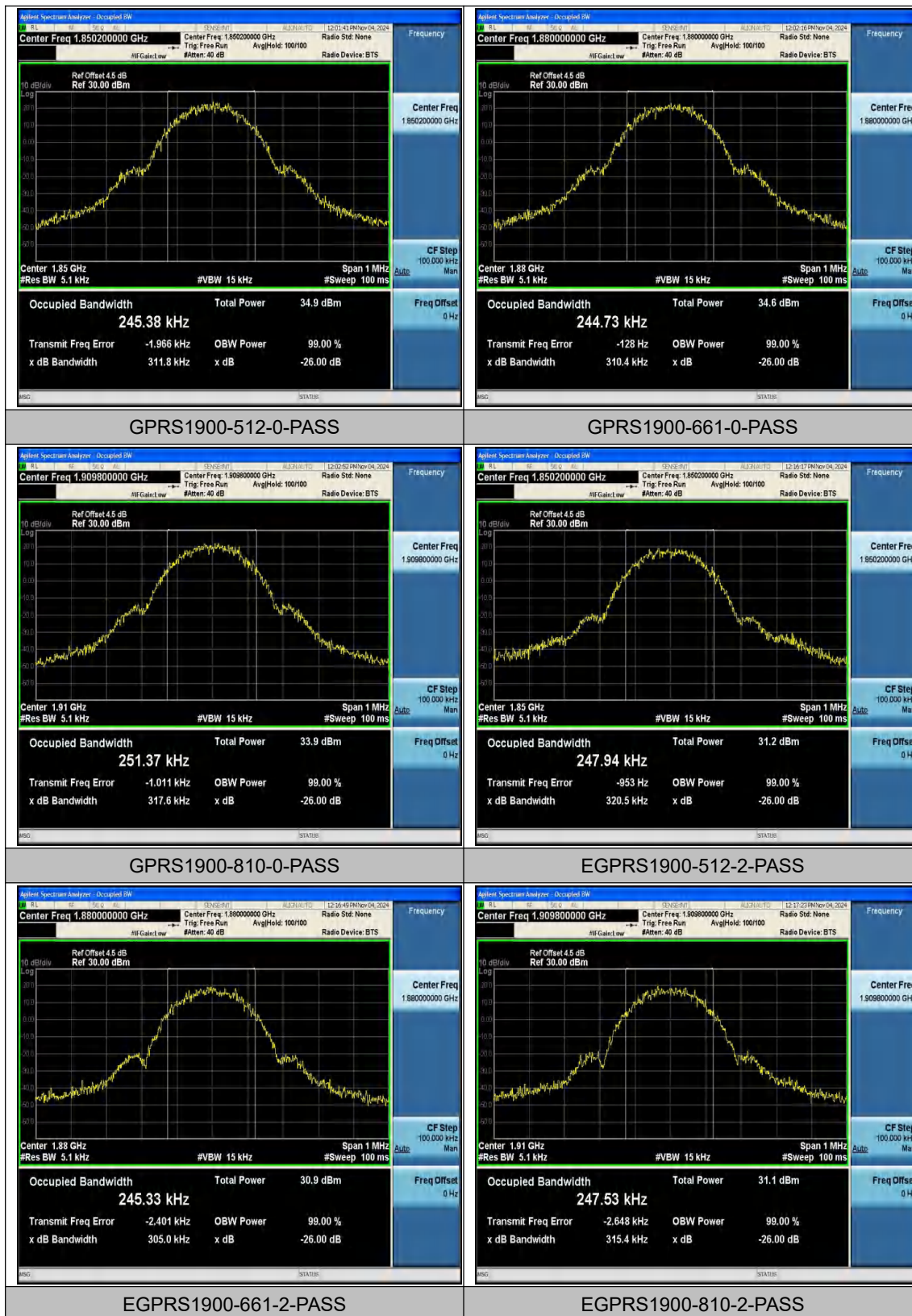
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GPRS1900	512	0.24538	0.3118	---	PASS
GPRS1900	661	0.24473	0.3104	---	PASS
GPRS1900	810	0.25137	0.3176	---	PASS
EGPRS1900	512	0.24794	0.3205	---	PASS
EGPRS1900	661	0.24533	0.3050	---	PASS
EGPRS1900	810	0.24753	0.3154	---	PASS



Test Graphs



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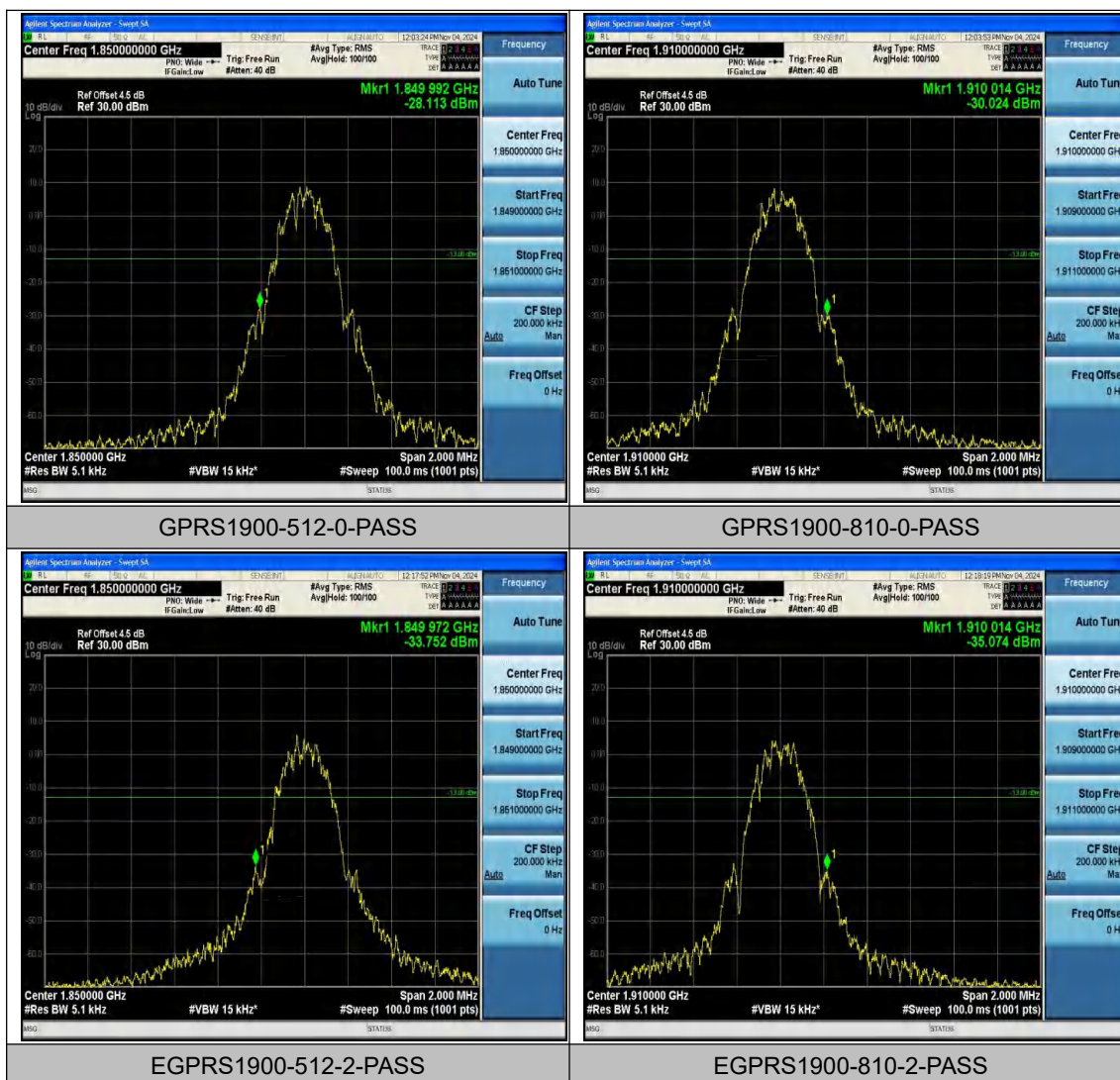
Appendix D: Band Edge

Test Result

Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GPRS1900	512	1849.99	-28.11	-13	PASS
GPRS1900	810	1910.01	-30.02	-13	PASS
EGPRS1900	512	1849.97	-33.75	-13	PASS
EGPRS1900	810	1910.01	-35.07	-13	PASS



Test Graphs



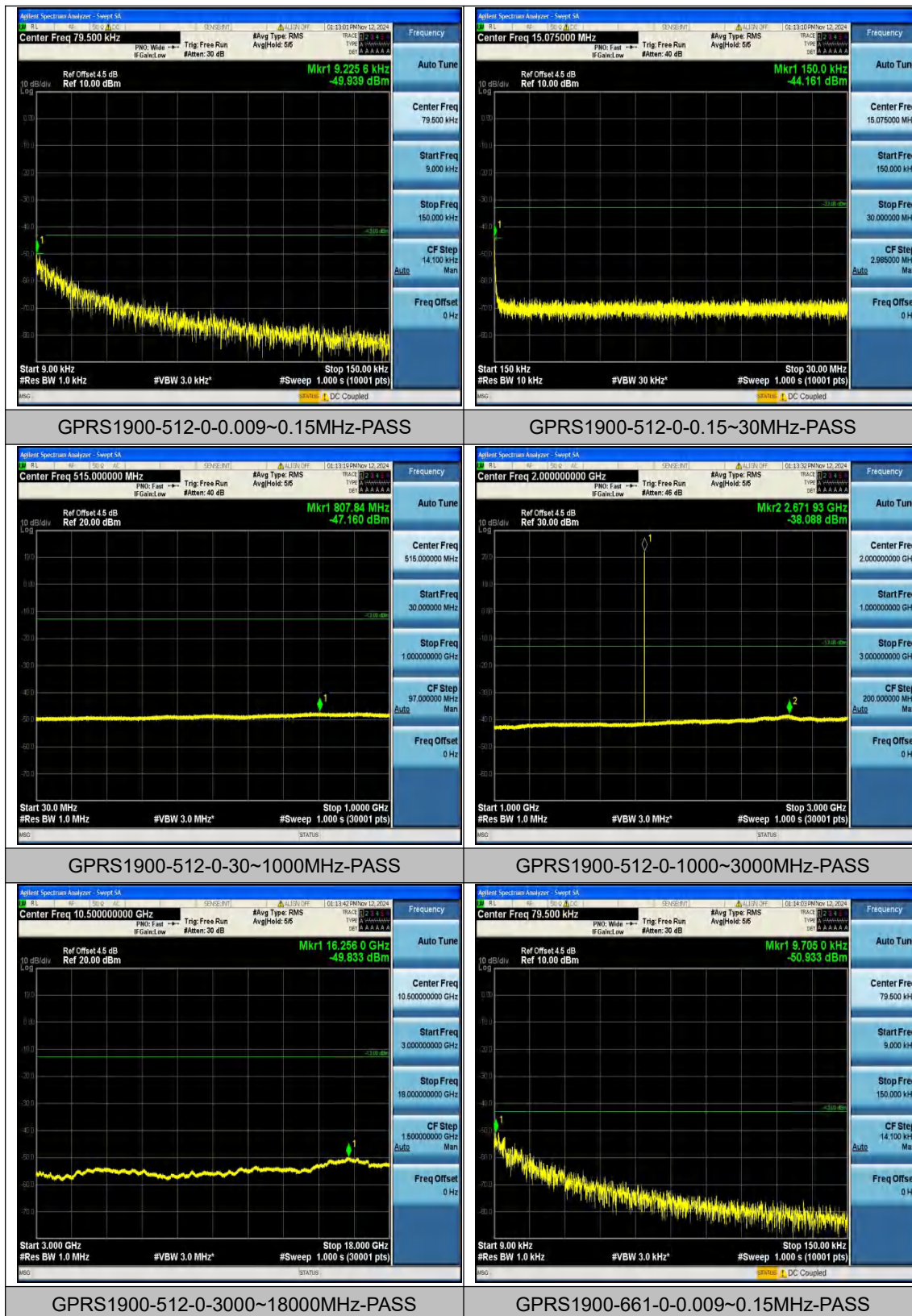
Appendix E: Conducted Spurious Emission

Test Result

Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GPRS1900	512	0.009~0.15MHz	0.01	-49.94	-43	PASS
GPRS1900	512	0.15~30MHz	0.15	-44.16	-33	PASS
GPRS1900	512	30~1000MHz	807.84	-47.16	-13	PASS
GPRS1900	512	1000~3000MHz	2671.93	-38.09	-13	PASS
GPRS1900	512	3000~18000MHz	16256	-49.83	-13	PASS
GPRS1900	661	0.009~0.15MHz	0.01	-50.93	-43	PASS
GPRS1900	661	0.15~30MHz	0.16	-45.75	-33	PASS
GPRS1900	661	30~1000MHz	786.24	-47.15	-13	PASS
GPRS1900	661	1000~3000MHz	2643.2	-37.92	-13	PASS
GPRS1900	661	3000~18000MHz	16284.5	-49.87	-13	PASS
GPRS1900	810	0.009~0.15MHz	0.01	-50.28	-43	PASS
GPRS1900	810	0.15~30MHz	0.16	-45.53	-33	PASS
GPRS1900	810	30~1000MHz	762.58	-47.07	-13	PASS
GPRS1900	810	1000~3000MHz	2658.27	-38.14	-13	PASS
GPRS1900	810	3000~18000MHz	16257.5	-49.58	-13	PASS
EGPRS1900	512	0.009~0.15MHz	0.01	-51.62	-43	PASS
EGPRS1900	512	0.15~30MHz	0.16	-46.82	-33	PASS
EGPRS1900	512	30~1000MHz	778.65	-47.15	-13	PASS
EGPRS1900	512	1000~3000MHz	2657.13	-38.05	-13	PASS
EGPRS1900	512	3000~18000MHz	16309.5	-49.79	-13	PASS
EGPRS1900	661	0.009~0.15MHz	0.01	-51	-43	PASS
EGPRS1900	661	0.15~30MHz	0.16	-44.5	-33	PASS
EGPRS1900	661	30~1000MHz	757.89	-47.26	-13	PASS
EGPRS1900	661	1000~3000MHz	2655.53	-38.1	-13	PASS
EGPRS1900	661	3000~18000MHz	16211.5	-49.91	-13	PASS
EGPRS1900	810	0.009~0.15MHz	0.01	-51.5	-43	PASS
EGPRS1900	810	0.15~30MHz	0.15	-46.13	-33	PASS
EGPRS1900	810	30~1000MHz	788.8	-47.15	-13	PASS
EGPRS1900	810	1000~3000MHz	2656.27	-38.02	-13	PASS
EGPRS1900	810	3000~18000MHz	16244	-49.72	-13	PASS



Test Graphs

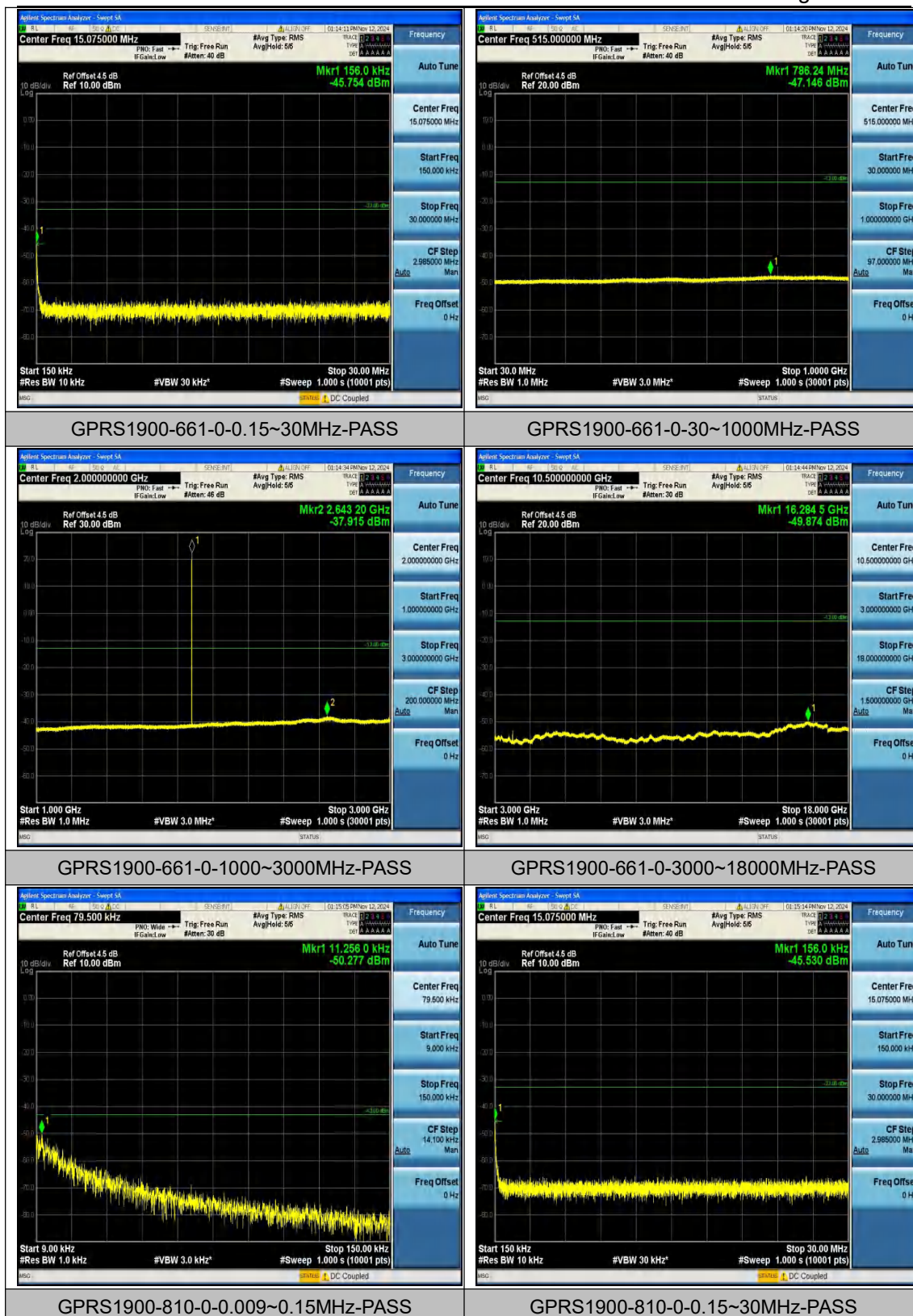


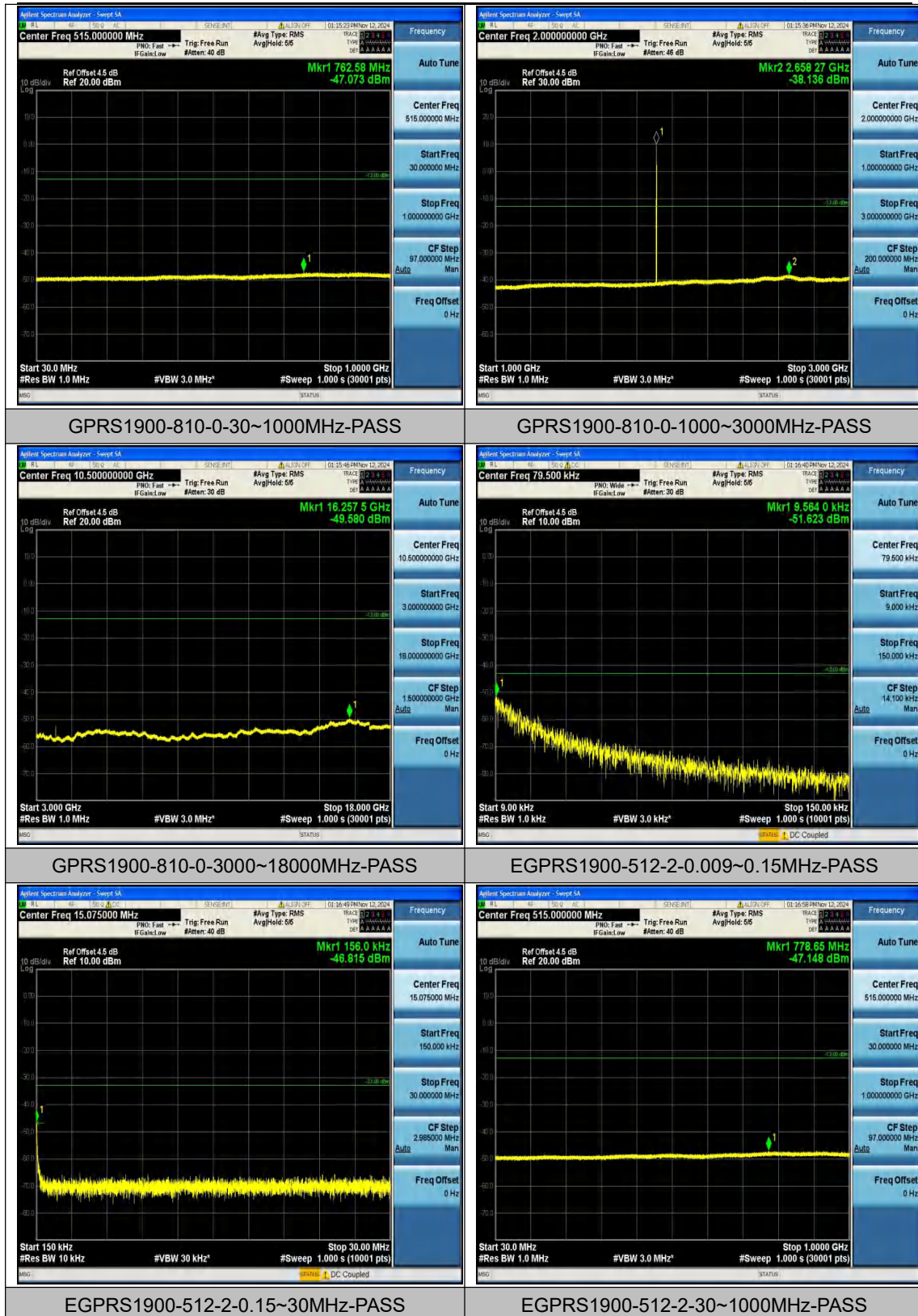
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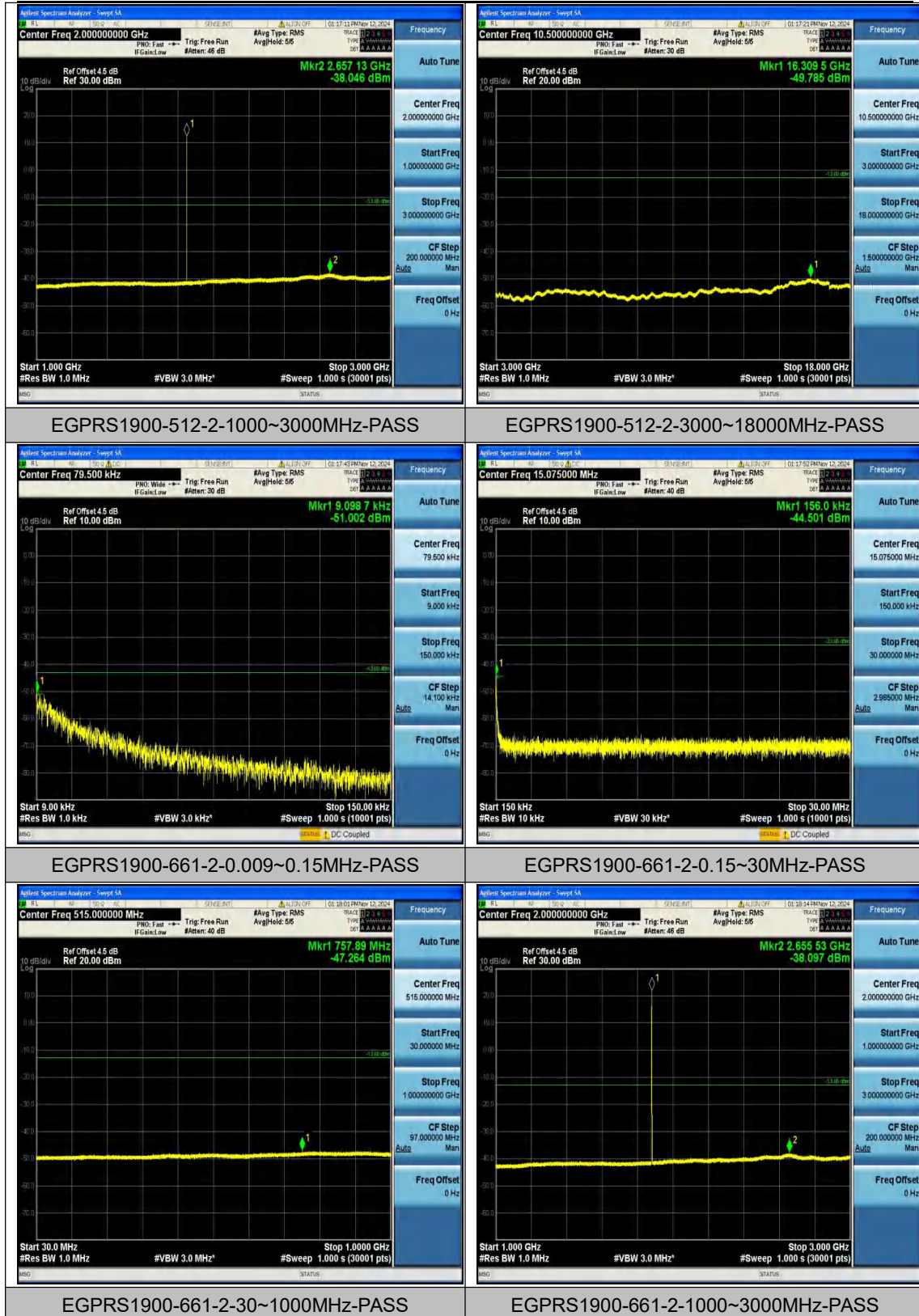
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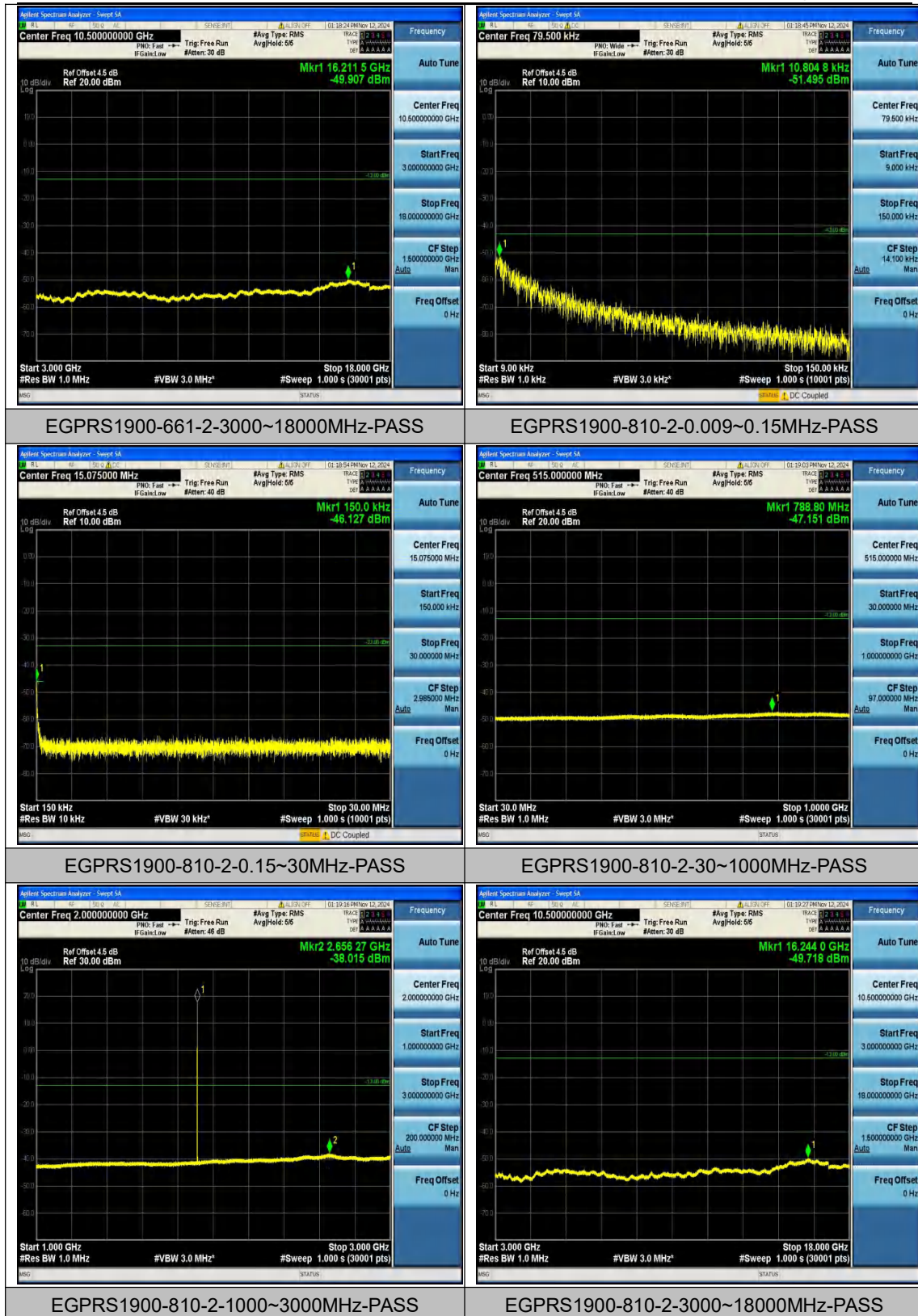
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Appendix F: Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GPRS1900	512	VN	NT	22.47	0.012145	±2.5	PASS
GPRS1900	512	VL	NT	25.76	0.013923	±2.5	PASS
GPRS1900	512	VH	NT	22.24	0.012020	±2.5	PASS
GPRS1900	661	VN	NT	24.60	0.013085	±2.5	PASS
GPRS1900	661	VL	NT	20.02	0.010649	±2.5	PASS
GPRS1900	661	VH	NT	20.79	0.011059	±2.5	PASS
GPRS1900	810	VN	NT	21.41	0.011211	±2.5	PASS
GPRS1900	810	VL	NT	18.31	0.009587	±2.5	PASS
GPRS1900	810	VH	NT	17.72	0.009278	±2.5	PASS
EGPRS1900	512	VN	NT	21.34	0.011534	±2.5	PASS
EGPRS1900	512	VL	NT	22.66	0.012247	±2.5	PASS
EGPRS1900	512	VH	NT	21.21	0.011464	±2.5	PASS
EGPRS1900	661	VN	NT	20.37	0.010835	±2.5	PASS
EGPRS1900	661	VL	NT	22.02	0.011713	±2.5	PASS
EGPRS1900	661	VH	NT	21.31	0.011335	±2.5	PASS
EGPRS1900	810	VN	NT	20.89	0.010938	±2.5	PASS
EGPRS1900	810	VL	NT	16.76	0.008776	±2.5	PASS
EGPRS1900	810	VH	NT	21.11	0.011054	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GPRS1900	512	NV	-30	24.02	0.012982	±2.5	PASS
GPRS1900	512	NV	-20	19.95	0.010783	±2.5	PASS
GPRS1900	512	NV	-10	17.92	0.009685	±2.5	PASS
GPRS1900	512	NV	0	19.60	0.010593	±2.5	PASS
GPRS1900	512	NV	10	21.41	0.011572	±2.5	PASS
GPRS1900	512	NV	20	20.73	0.011204	±2.5	PASS
GPRS1900	512	NV	30	21.95	0.011864	±2.5	PASS
GPRS1900	512	NV	40	20.50	0.011080	±2.5	PASS
GPRS1900	512	NV	50	18.27	0.009875	±2.5	PASS
GPRS1900	661	NV	-30	21.73	0.011559	±2.5	PASS
GPRS1900	661	NV	-20	20.86	0.011096	±2.5	PASS
GPRS1900	661	NV	-10	21.89	0.011644	±2.5	PASS
GPRS1900	661	NV	0	21.41	0.011388	±2.5	PASS
GPRS1900	661	NV	10	21.08	0.011213	±2.5	PASS

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GPRS1900	661	NV	20	22.57	0.012005	±2.5	PASS
GPRS1900	661	NV	30	16.47	0.008761	±2.5	PASS
GPRS1900	661	NV	40	17.01	0.009048	±2.5	PASS
GPRS1900	661	NV	50	25.41	0.013516	±2.5	PASS
GPRS1900	810	NV	-30	18.40	0.009635	±2.5	PASS
GPRS1900	810	NV	-20	19.86	0.010399	±2.5	PASS
GPRS1900	810	NV	-10	18.63	0.009755	±2.5	PASS
GPRS1900	810	NV	0	16.18	0.008472	±2.5	PASS
GPRS1900	810	NV	10	18.14	0.009498	±2.5	PASS
GPRS1900	810	NV	20	19.05	0.009975	±2.5	PASS
GPRS1900	810	NV	30	21.34	0.011174	±2.5	PASS
GPRS1900	810	NV	40	20.82	0.010902	±2.5	PASS
GPRS1900	810	NV	50	21.05	0.011022	±2.5	PASS
EGPRS1900	512	NV	-30	23.37	0.012631	±2.5	PASS
EGPRS1900	512	NV	-20	24.86	0.013436	±2.5	PASS
EGPRS1900	512	NV	-10	23.12	0.012496	±2.5	PASS
EGPRS1900	512	NV	0	22.24	0.012020	±2.5	PASS
EGPRS1900	512	NV	10	20.40	0.011026	±2.5	PASS
EGPRS1900	512	NV	20	22.96	0.012409	±2.5	PASS
EGPRS1900	512	NV	30	20.21	0.010923	±2.5	PASS
EGPRS1900	512	NV	40	19.98	0.010799	±2.5	PASS
EGPRS1900	512	NV	50	24.63	0.013312	±2.5	PASS
EGPRS1900	661	NV	-30	20.95	0.011144	±2.5	PASS
EGPRS1900	661	NV	-20	20.40	0.010851	±2.5	PASS
EGPRS1900	661	NV	-10	21.99	0.011697	±2.5	PASS
EGPRS1900	661	NV	0	21.70	0.011543	±2.5	PASS
EGPRS1900	661	NV	10	18.95	0.010080	±2.5	PASS
EGPRS1900	661	NV	20	19.31	0.010271	±2.5	PASS
EGPRS1900	661	NV	30	19.27	0.010250	±2.5	PASS
EGPRS1900	661	NV	40	18.40	0.009787	±2.5	PASS
EGPRS1900	661	NV	50	16.79	0.008931	±2.5	PASS
EGPRS1900	810	NV	-30	21.11	0.011054	±2.5	PASS
EGPRS1900	810	NV	-20	19.63	0.010279	±2.5	PASS
EGPRS1900	810	NV	-10	20.47	0.010718	±2.5	PASS
EGPRS1900	810	NV	0	19.27	0.010090	±2.5	PASS
EGPRS1900	810	NV	10	19.73	0.010331	±2.5	PASS
EGPRS1900	810	NV	20	20.40	0.010682	±2.5	PASS
EGPRS1900	810	NV	30	22.02	0.011530	±2.5	PASS
EGPRS1900	810	NV	40	21.44	0.011226	±2.5	PASS
EGPRS1900	810	NV	50	18.56	0.009718	±2.5	PASS

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