

Appendix Test Data

Report No.:	1812C50581812501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-11-5	Finish Test Date:	2025-11-6
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	24.7°C	Relative Humidity:	51%
Pressure:	101kPa		

Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.274	2401.896	2404.170	---	---
2.4G	Ant1	2441	2.262	2439.902	2442.164	---	---
2.4G	Ant1	2480	2.244	2478.908	2481.152	---	---

Test Graphs





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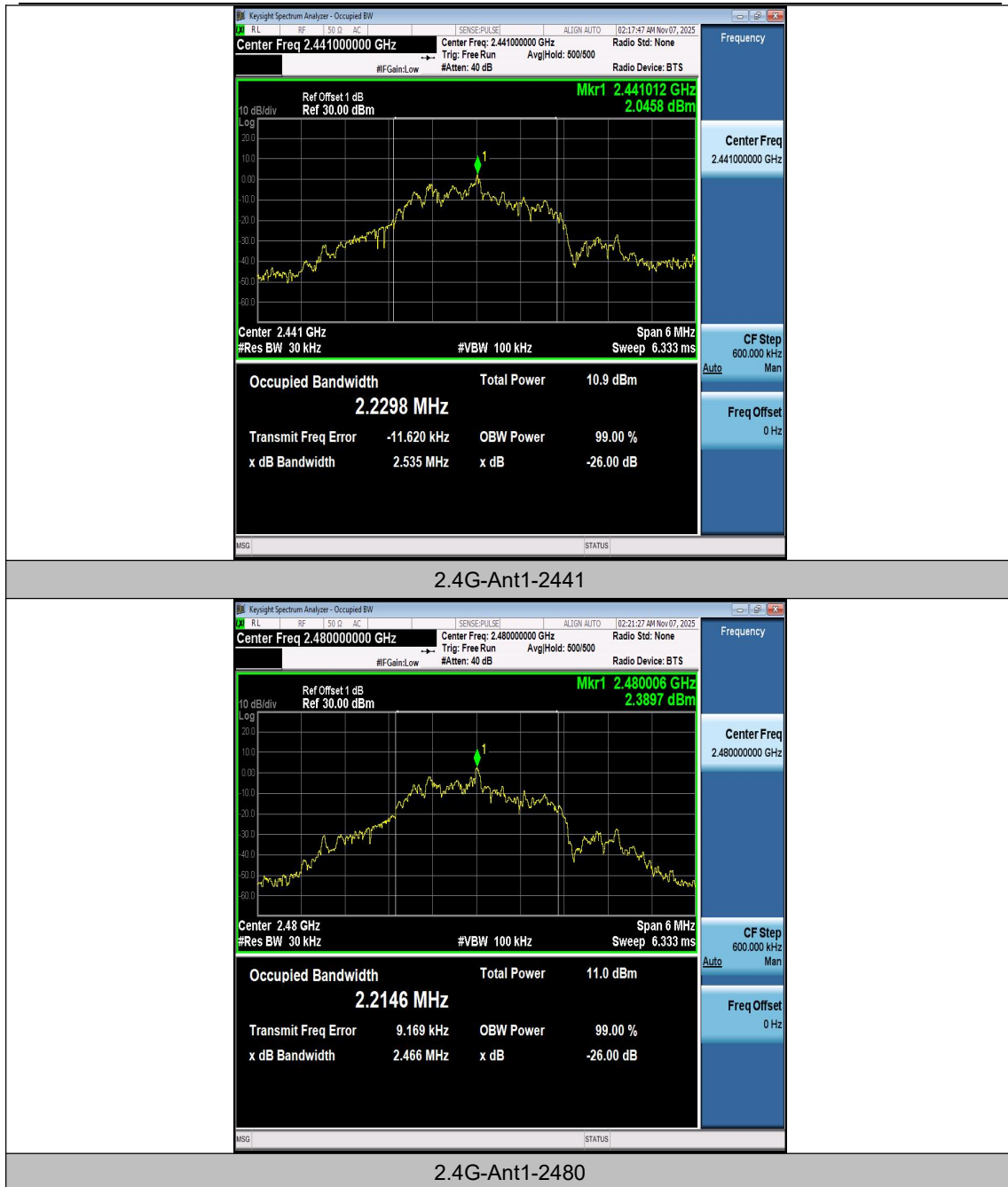
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.2471	2401.8596	2404.1067	---	---
2.4G	Ant1	2441	2.2298	2439.8735	2442.1033	---	---
2.4G	Ant1	2480	2.2146	2478.9019	2481.1165	---	---

Test Graphs





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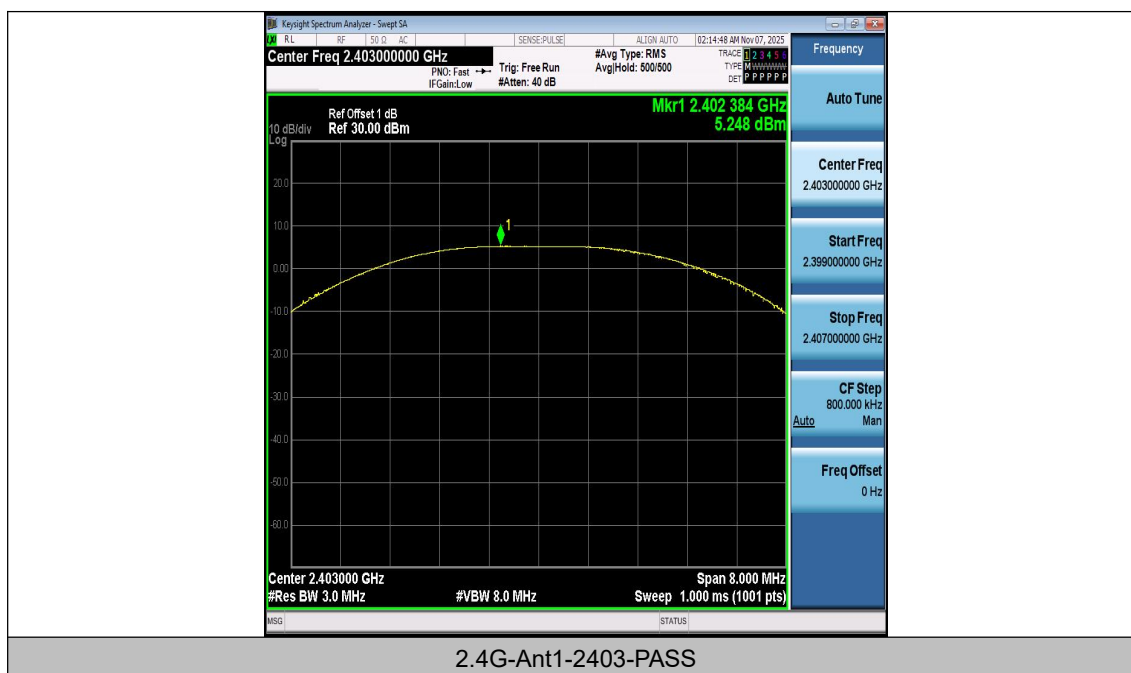
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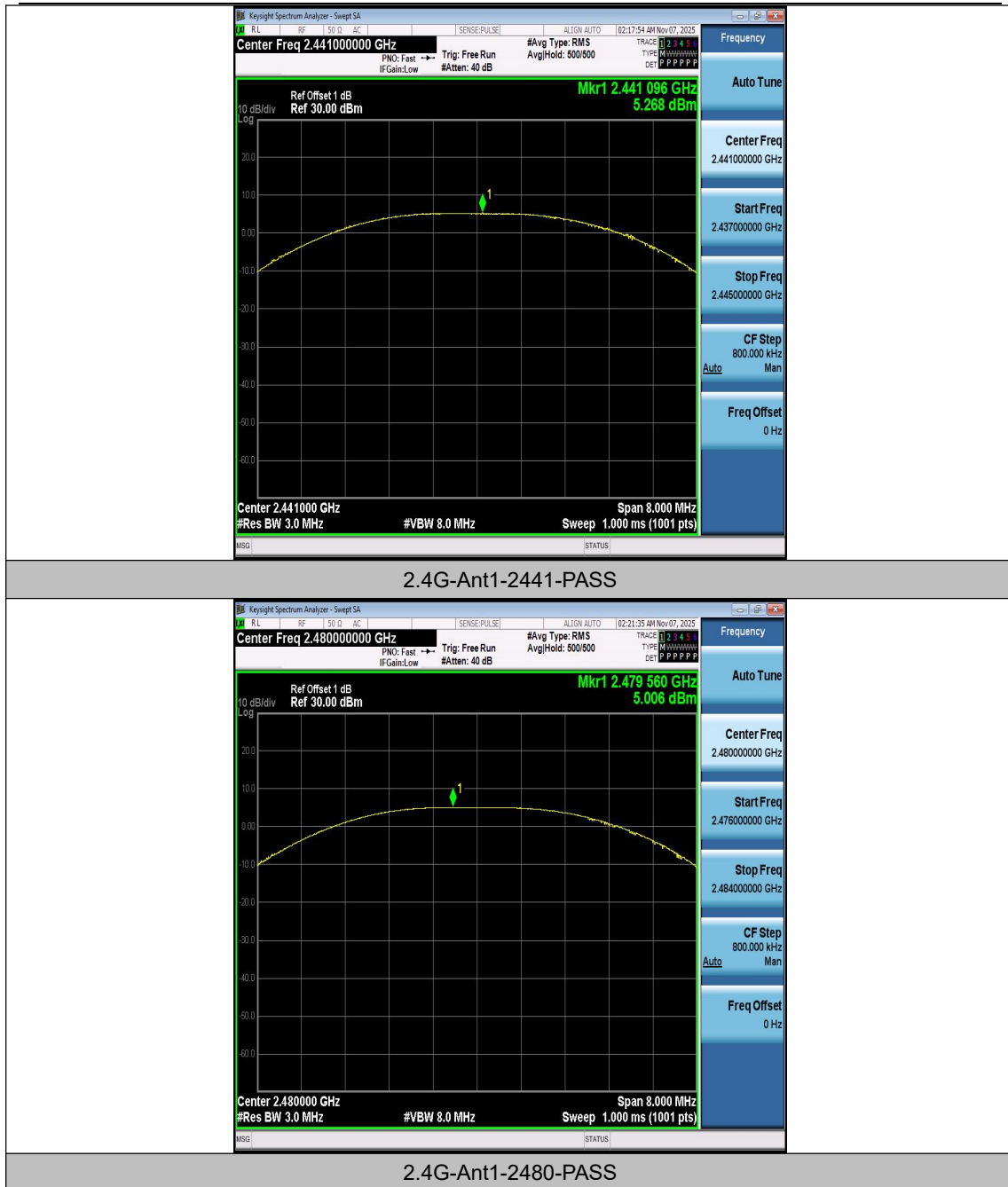
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	5.25	≤30	PASS
2.4G	Ant1	2441	5.27	≤30	PASS
2.4G	Ant1	2480	5.01	≤30	PASS

Test Graphs





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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
2.4G	ANT1	Hop	1.995	>1.516	PASS

Note: Only record the worst data in the report.

Test Graphs

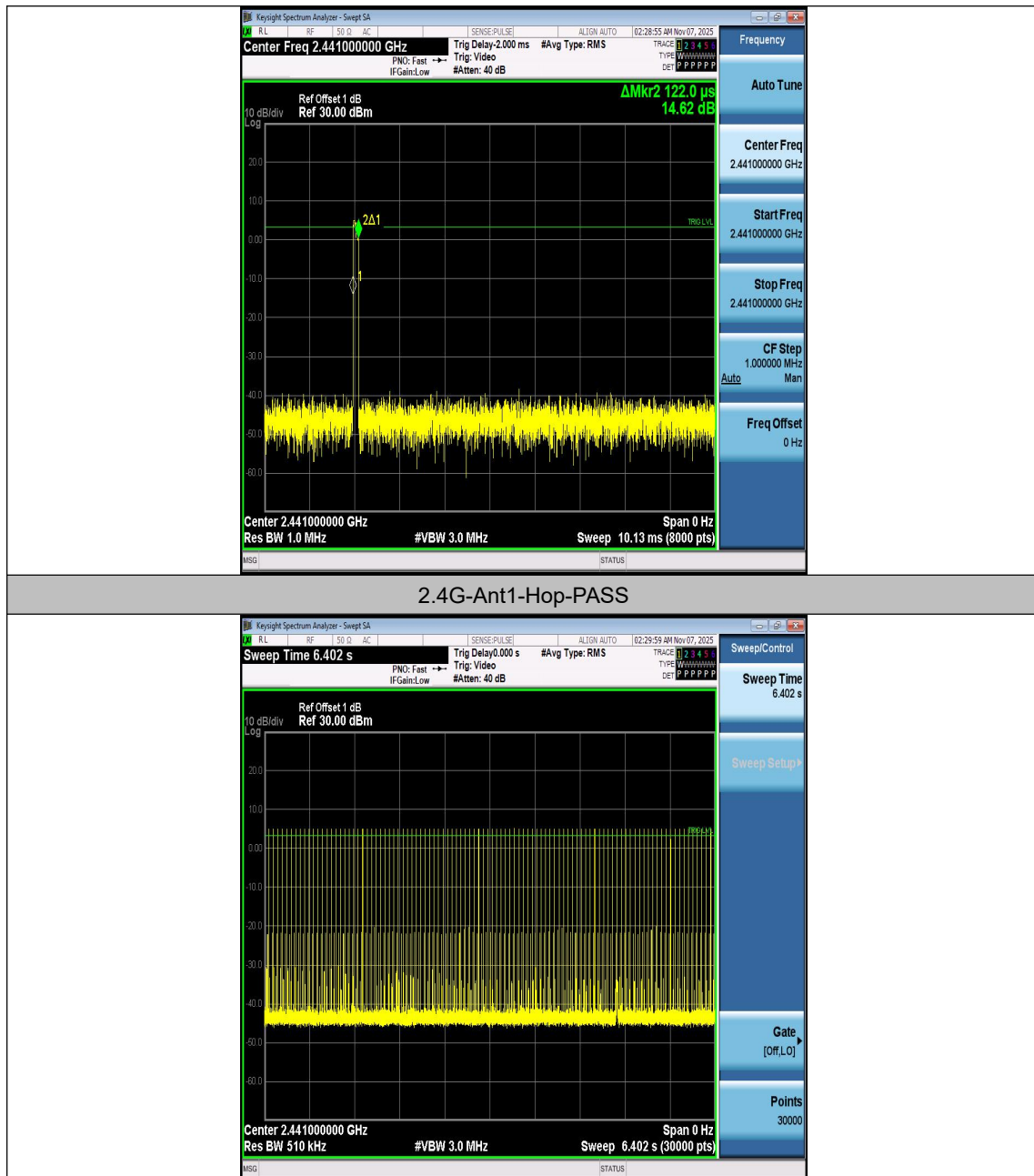


Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	0.122	101	0.012	≤0.4	PASS

Test Graphs

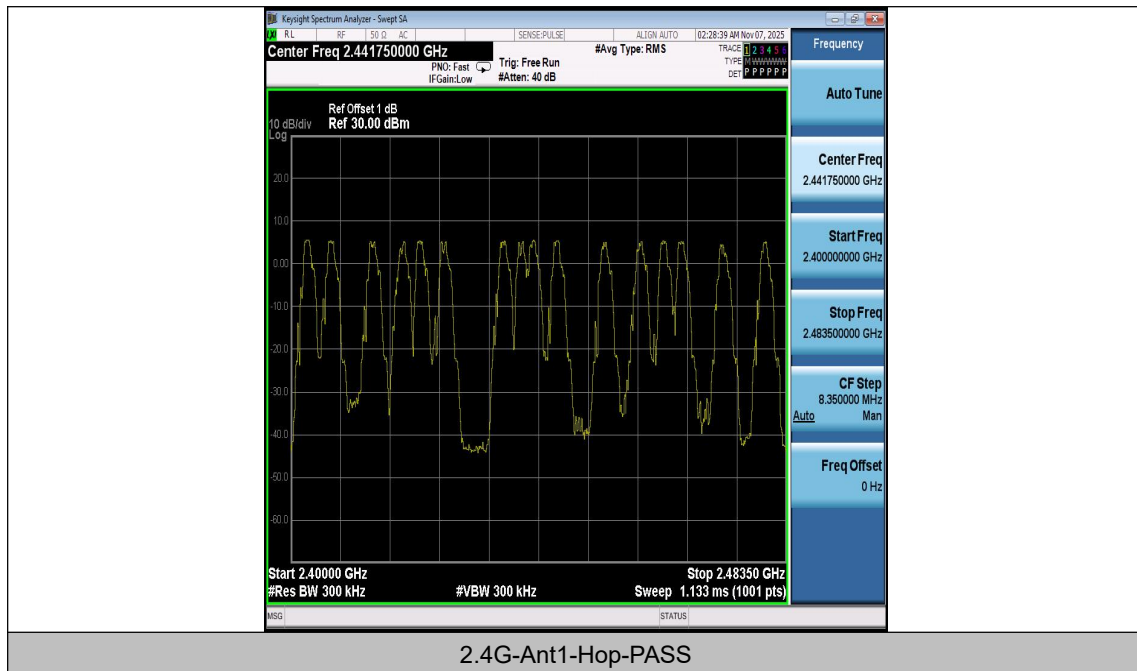


Appendix F: Number of Hopping Channel

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [Num]	Limit [Num]	Verdict
2.4G	Ant1	Hop	16	≥15	PASS

Test Graphs



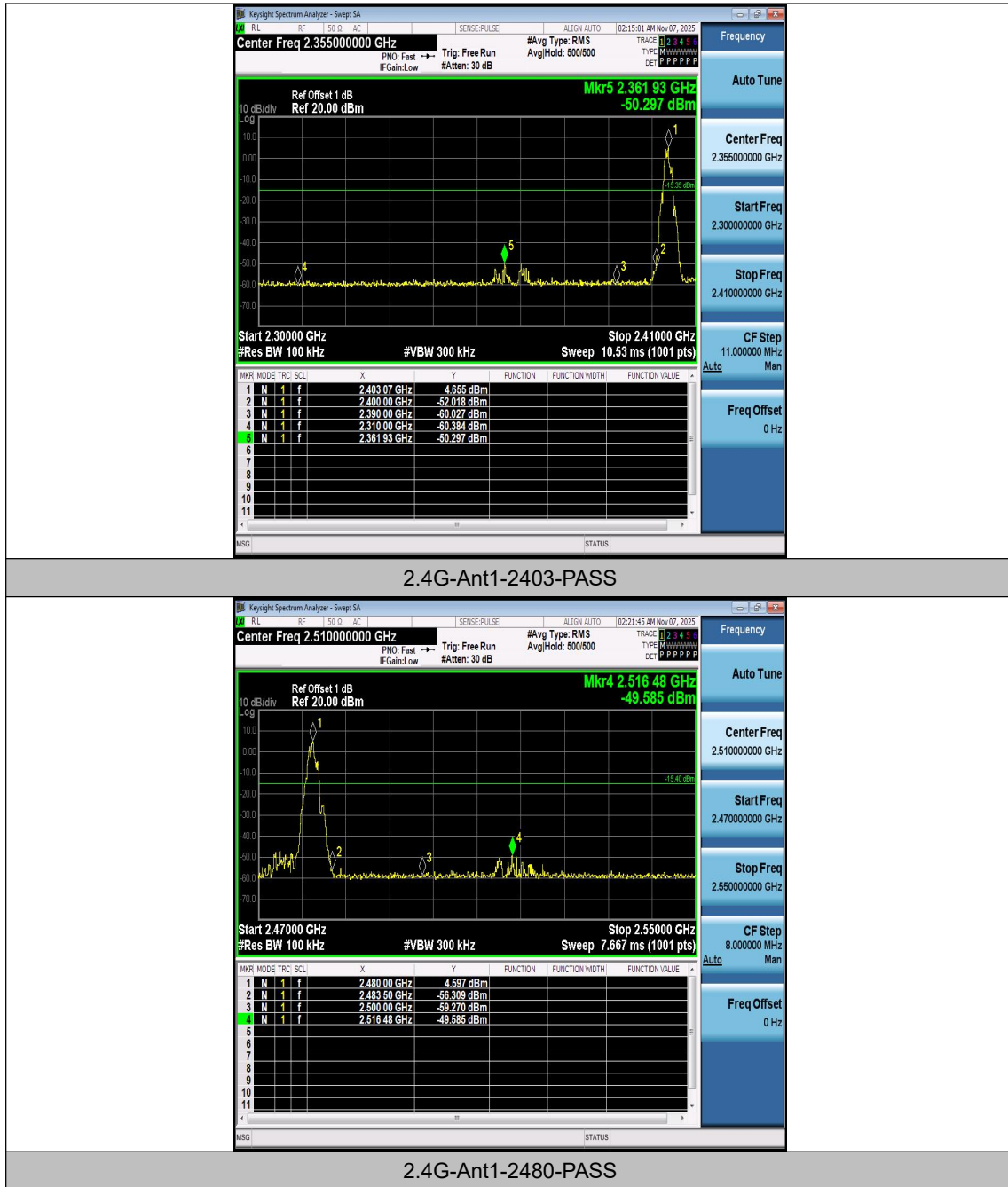
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	4.66	-50.3	≤-15.35	PASS
2.4G	Ant1	High	2480	4.60	-49.59	≤-15.4	PASS
2.4G	Ant1	Low	Hop	4.66	-47.59	≤-15.34	PASS
2.4G	Ant1	High	Hop	4.58	-46.84	≤-15.42	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

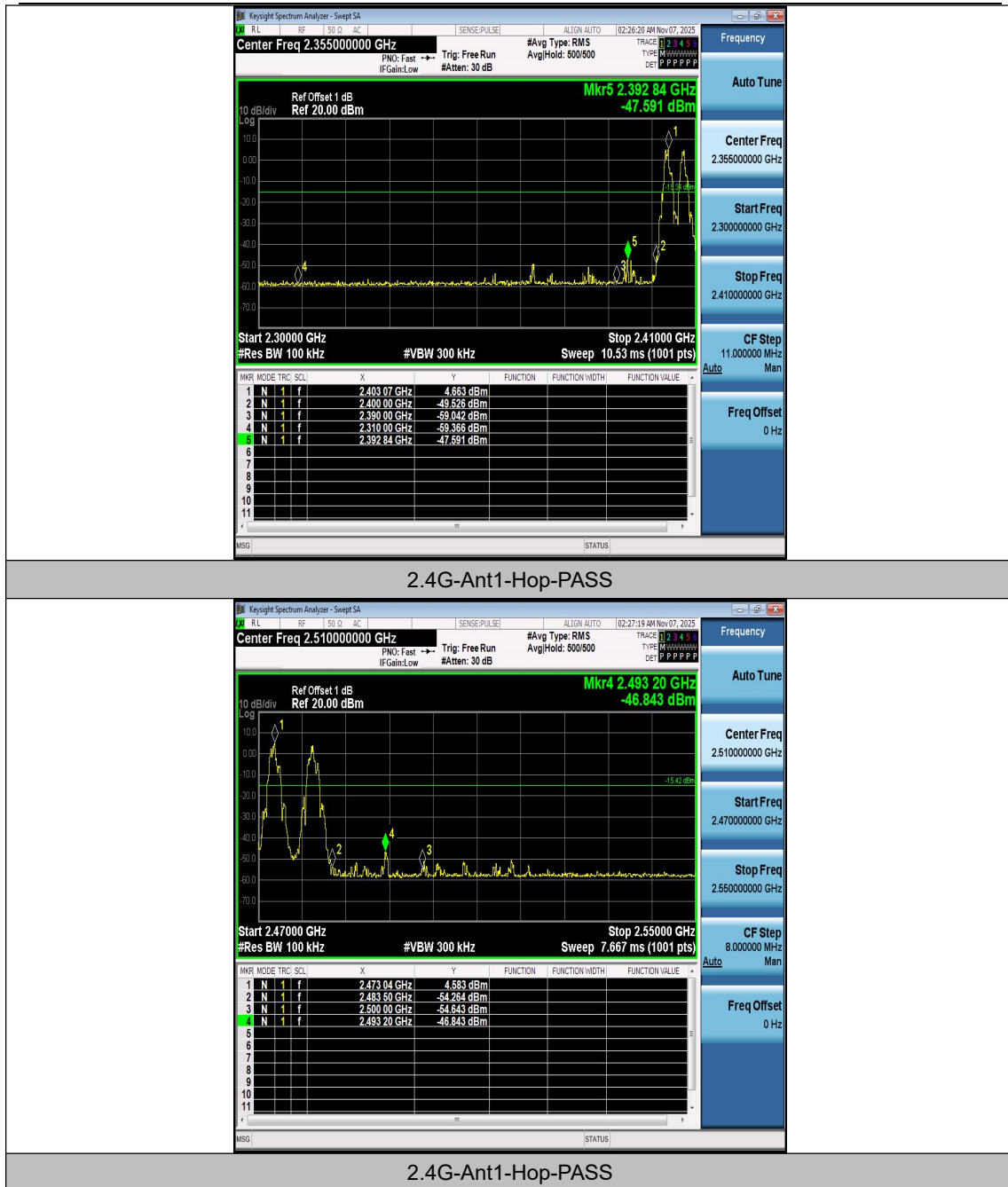
Test Graphs



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Appendix H: Conducted Spurious Emission

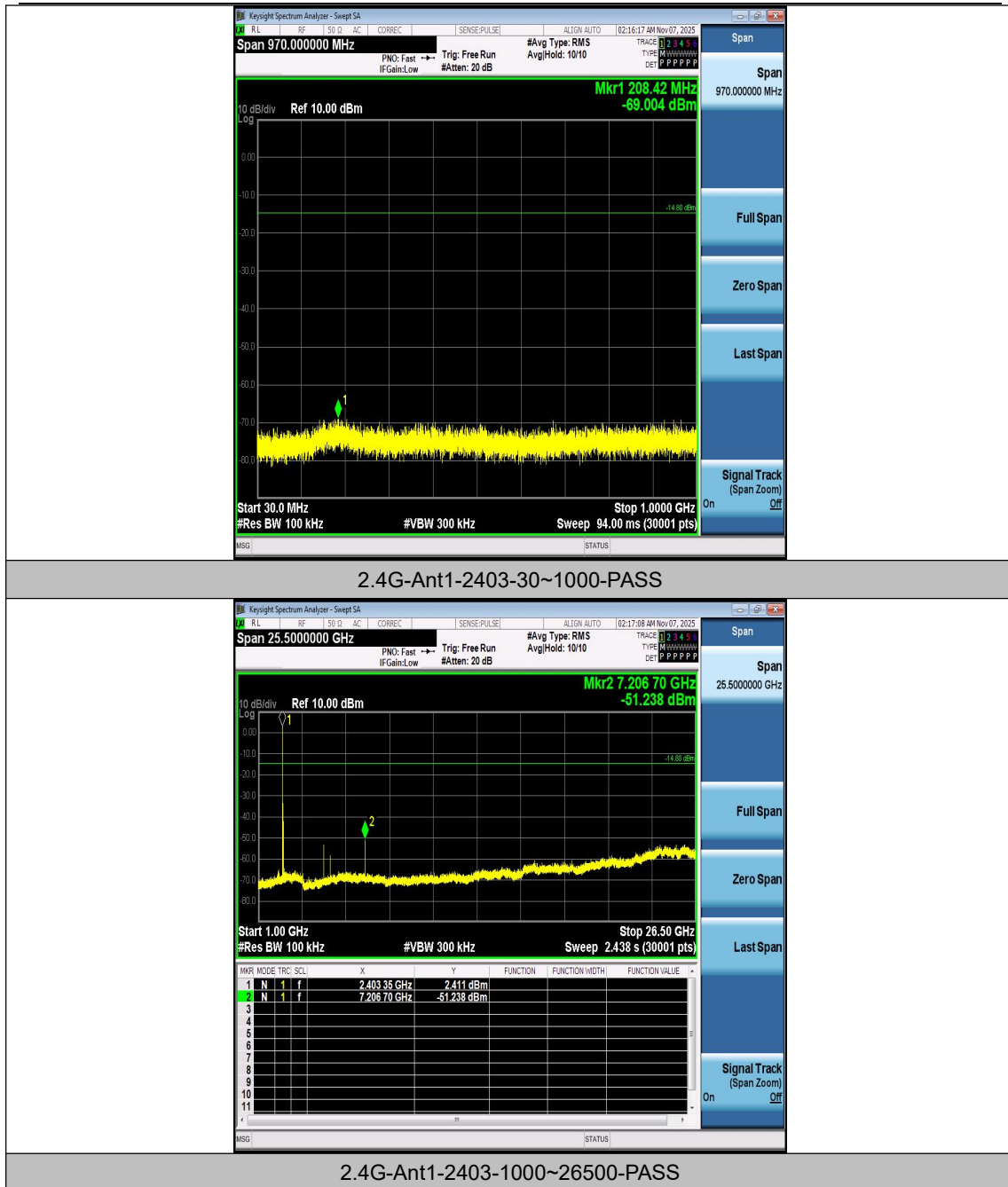
Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	0~Reference	5.20	5.20	---	PASS
2.4G	Ant1	2403	30~1000	5.20	-69	≤-14.8	PASS
2.4G	Ant1	2403	1000~26500	5.20	-51.24	≤-14.8	PASS
2.4G	Ant1	2441	0~Reference	5.23	5.23	---	PASS
2.4G	Ant1	2441	30~1000	5.23	-68.77	≤-14.77	PASS
2.4G	Ant1	2441	1000~26500	5.23	-44.14	≤-14.77	PASS
2.4G	Ant1	2480	0~Reference	5.04	5.04	---	PASS
2.4G	Ant1	2480	30~1000	5.04	-68.22	≤-14.96	PASS
2.4G	Ant1	2480	1000~26500	5.04	-39.82	≤-14.96	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose and attenuator factors have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

Test Graphs

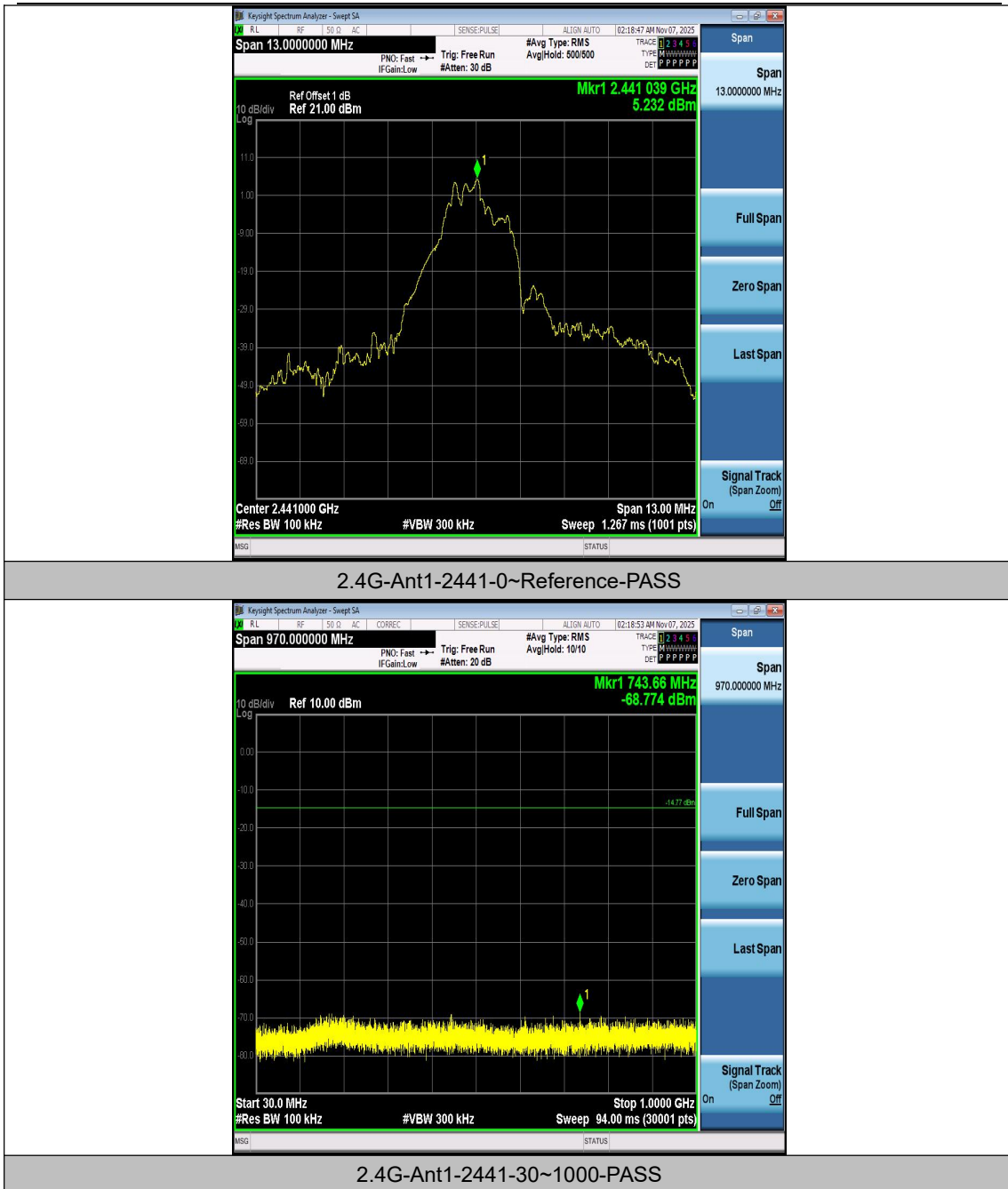




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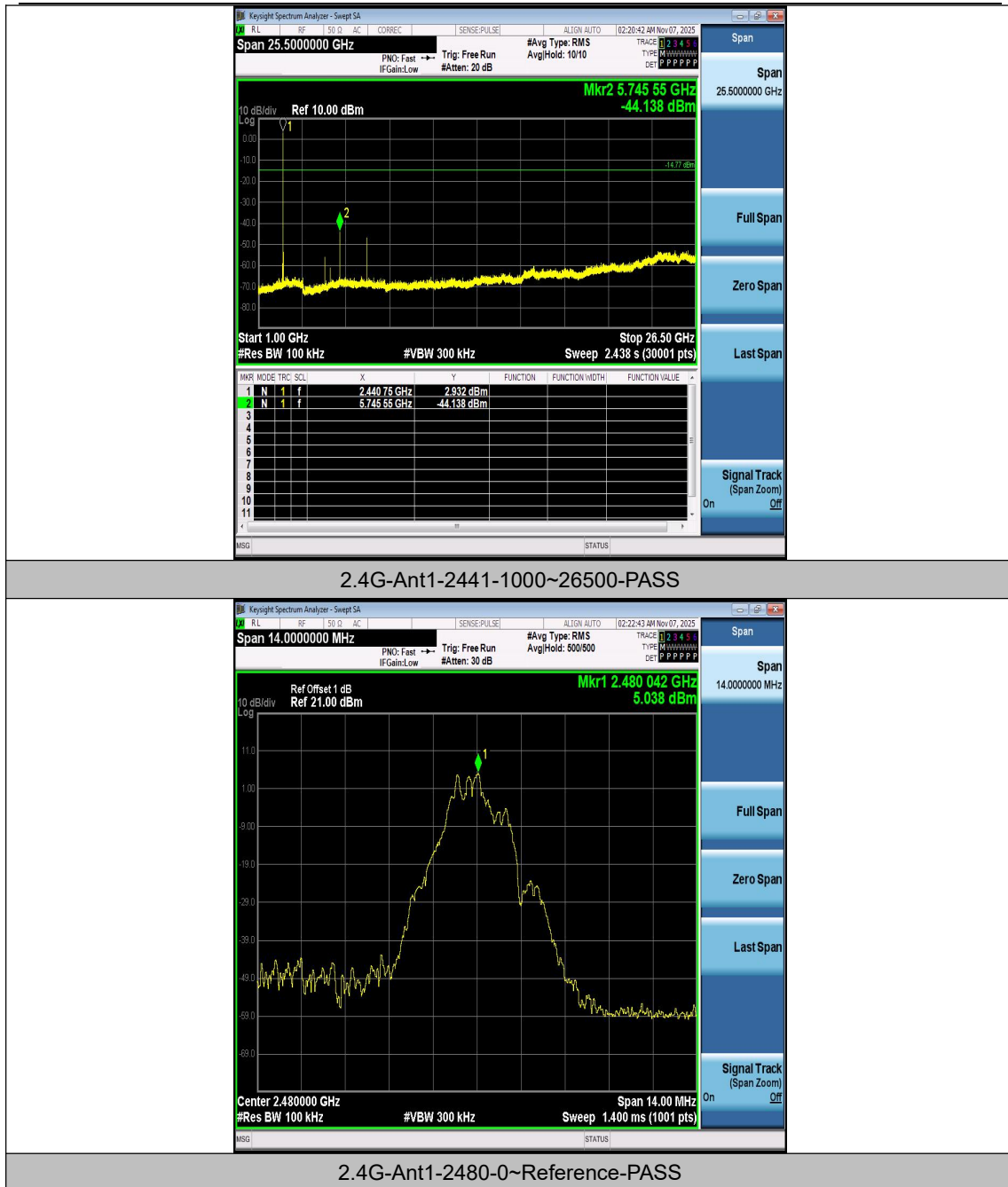
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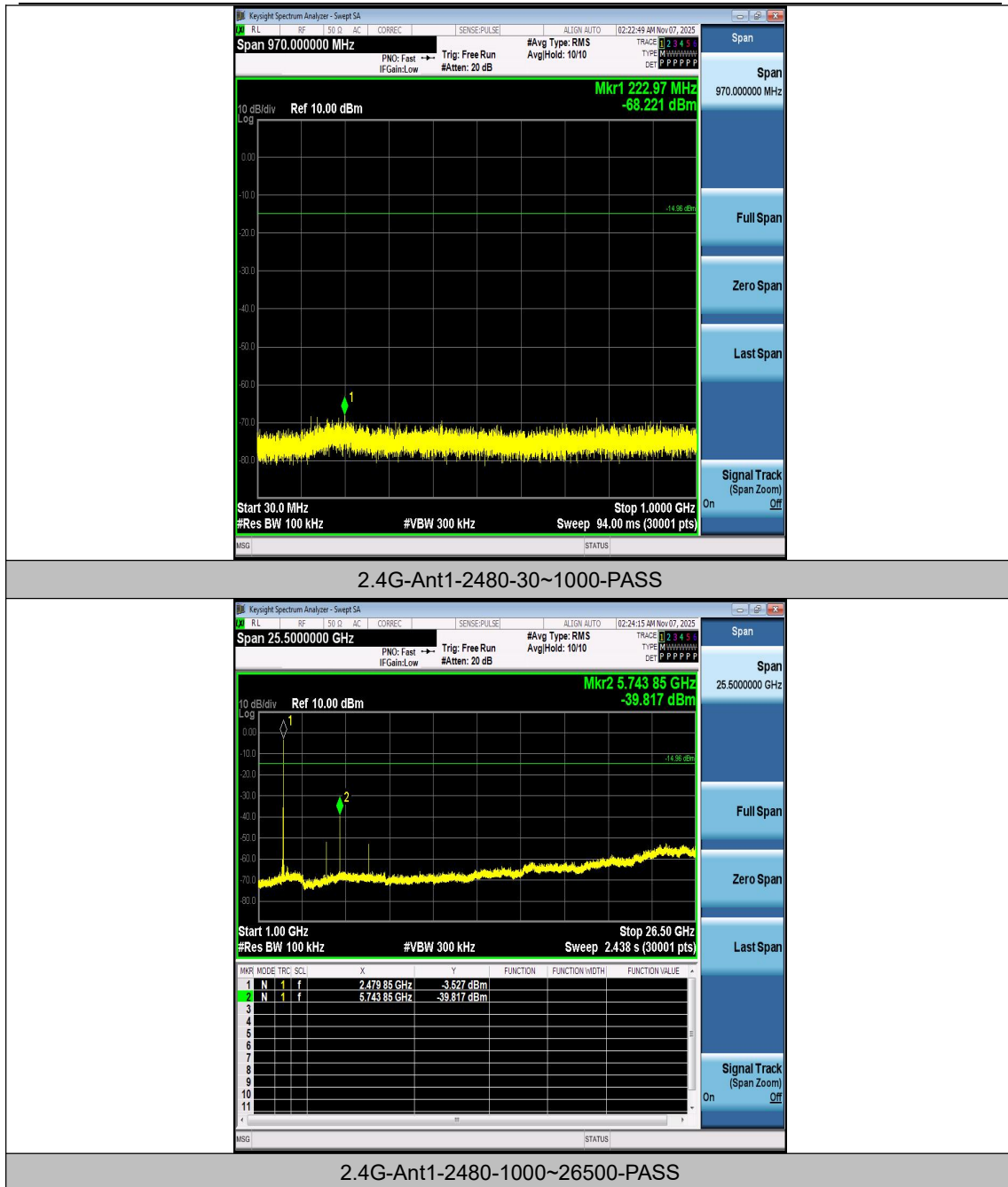
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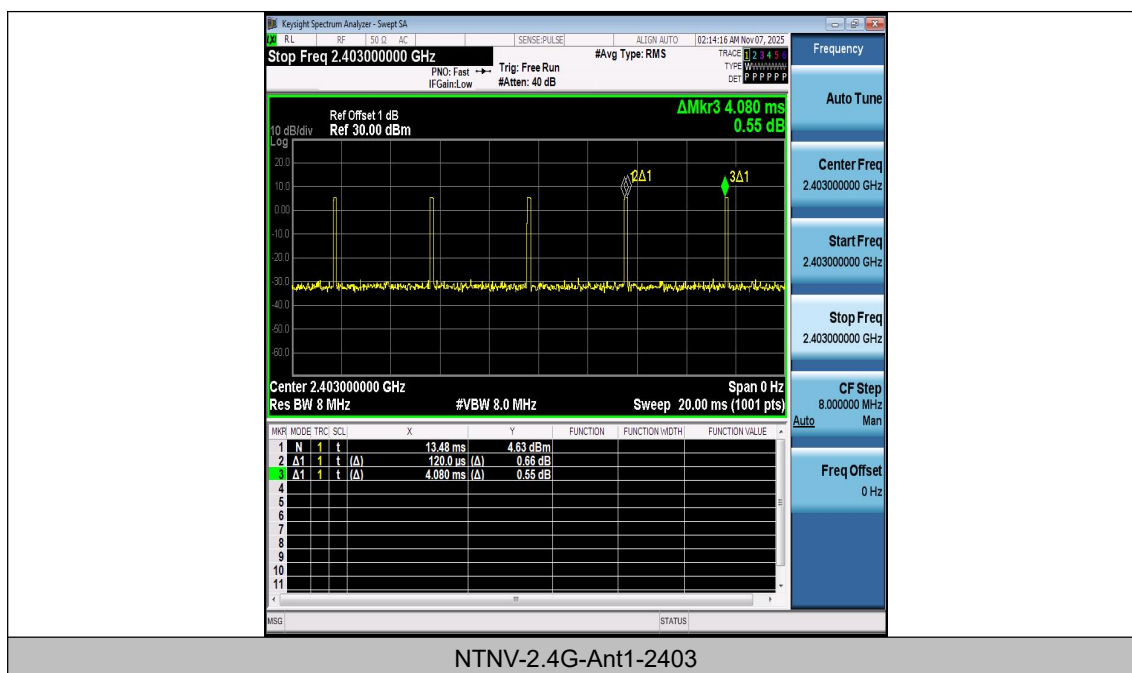
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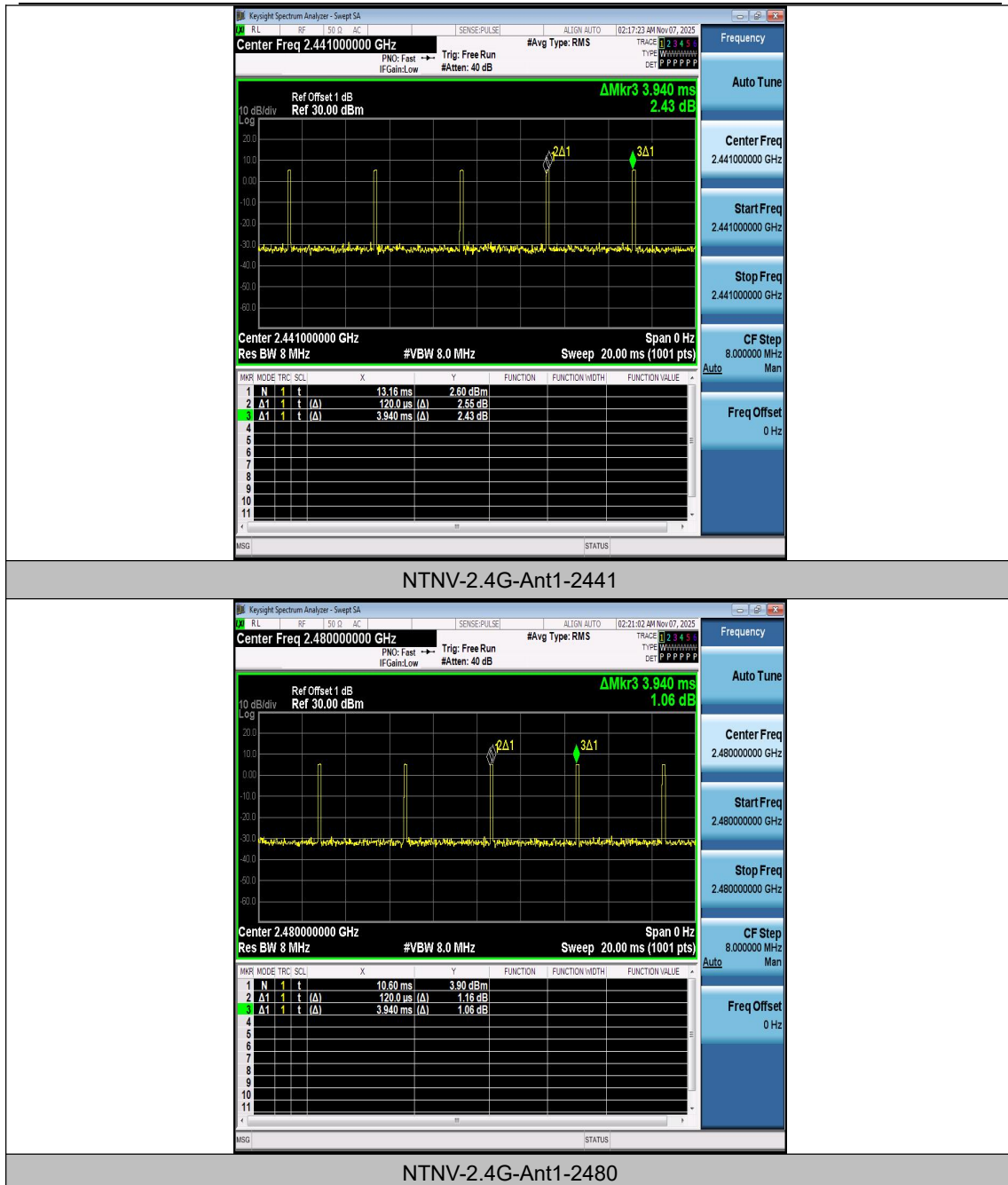
Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2403	0.12	4.08	2.94	15.32
2.4G	Ant1	2441	0.12	3.94	3.05	15.16
2.4G	Ant1	2480	0.12	3.94	3.05	15.16

Test Graphs





---End---