

Appendix Test Data

Report No.:	1812C50604212503-01	Test Sample No.:	1-2-2
Start Test Date:	2025-12-12	Finish Test Date:	2025-12-12
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.4°C	Relative Humidity:	47%
Pressure:	101kPa		

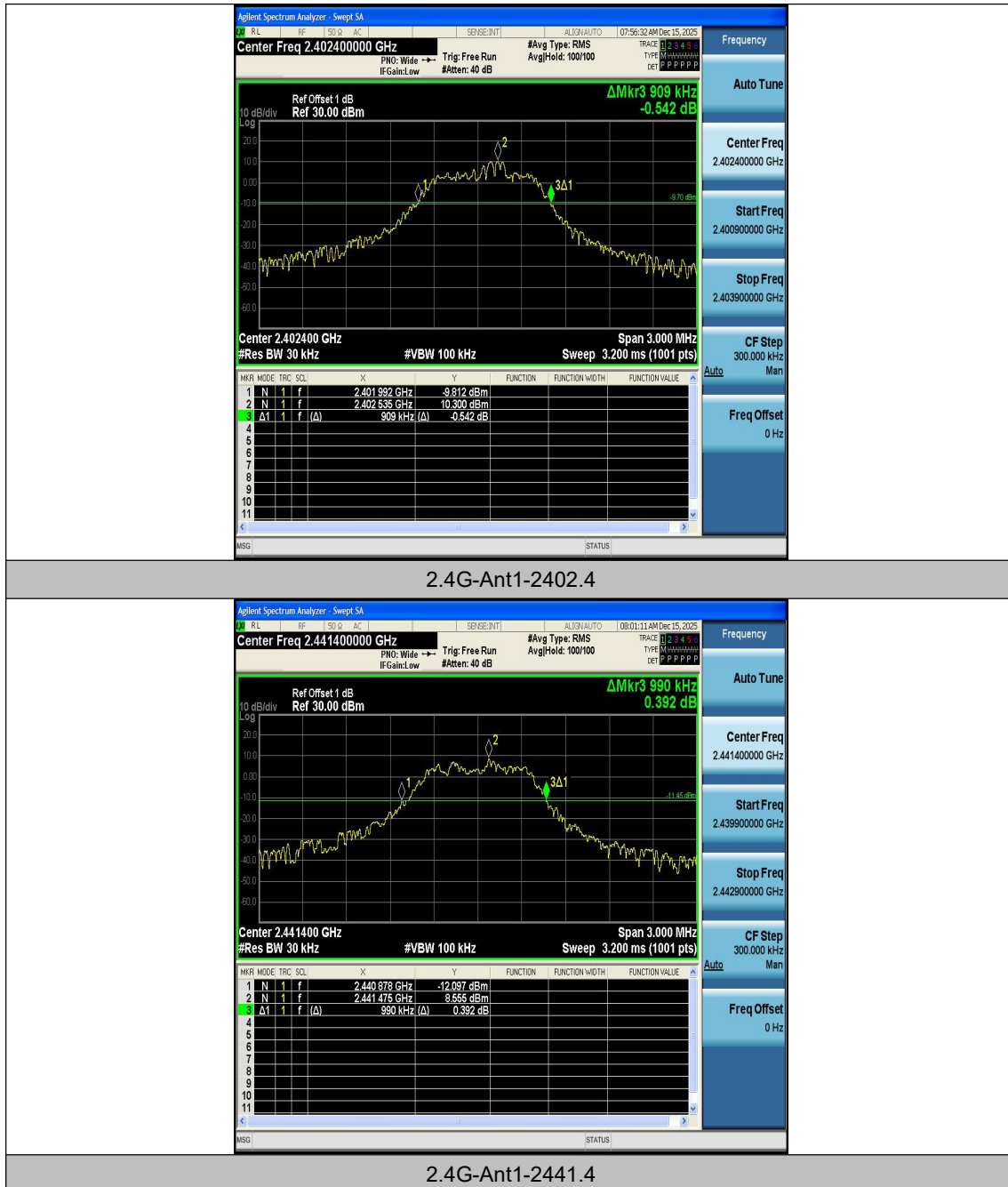


Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402.4	0.909	2401.992	2402.901	---	---
2.4G	Ant1	2441.4	0.990	2440.878	2441.868	---	---
2.4G	Ant1	2479.4	0.918	2478.944	2479.862	---	---

Test Graphs



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2.4G-Ant1-2479.4

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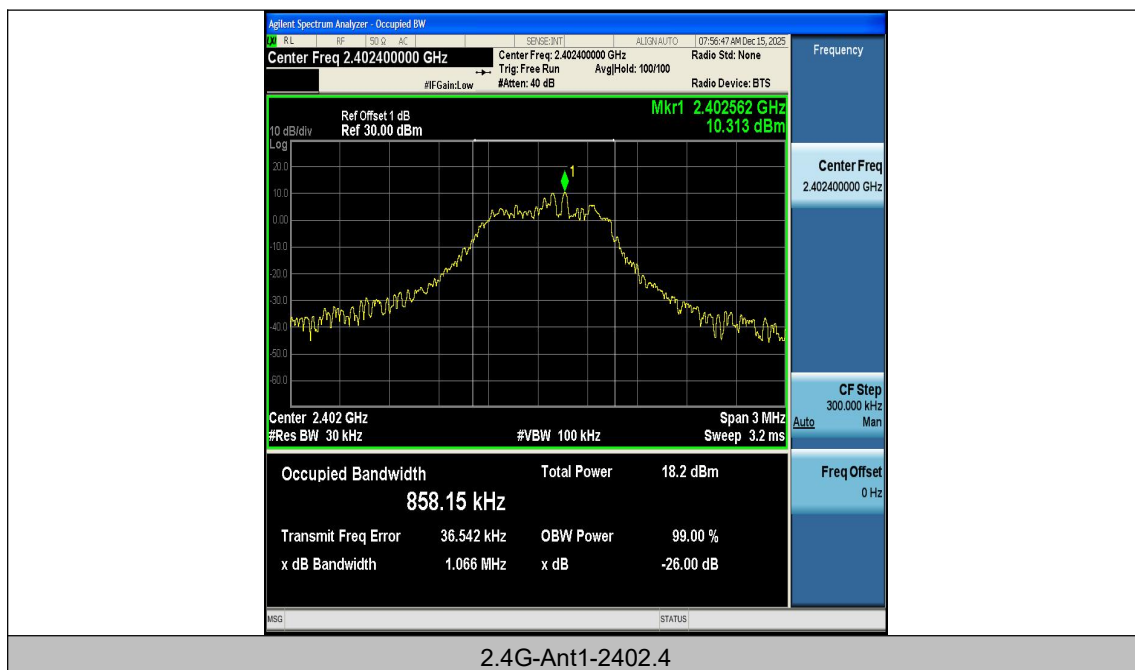
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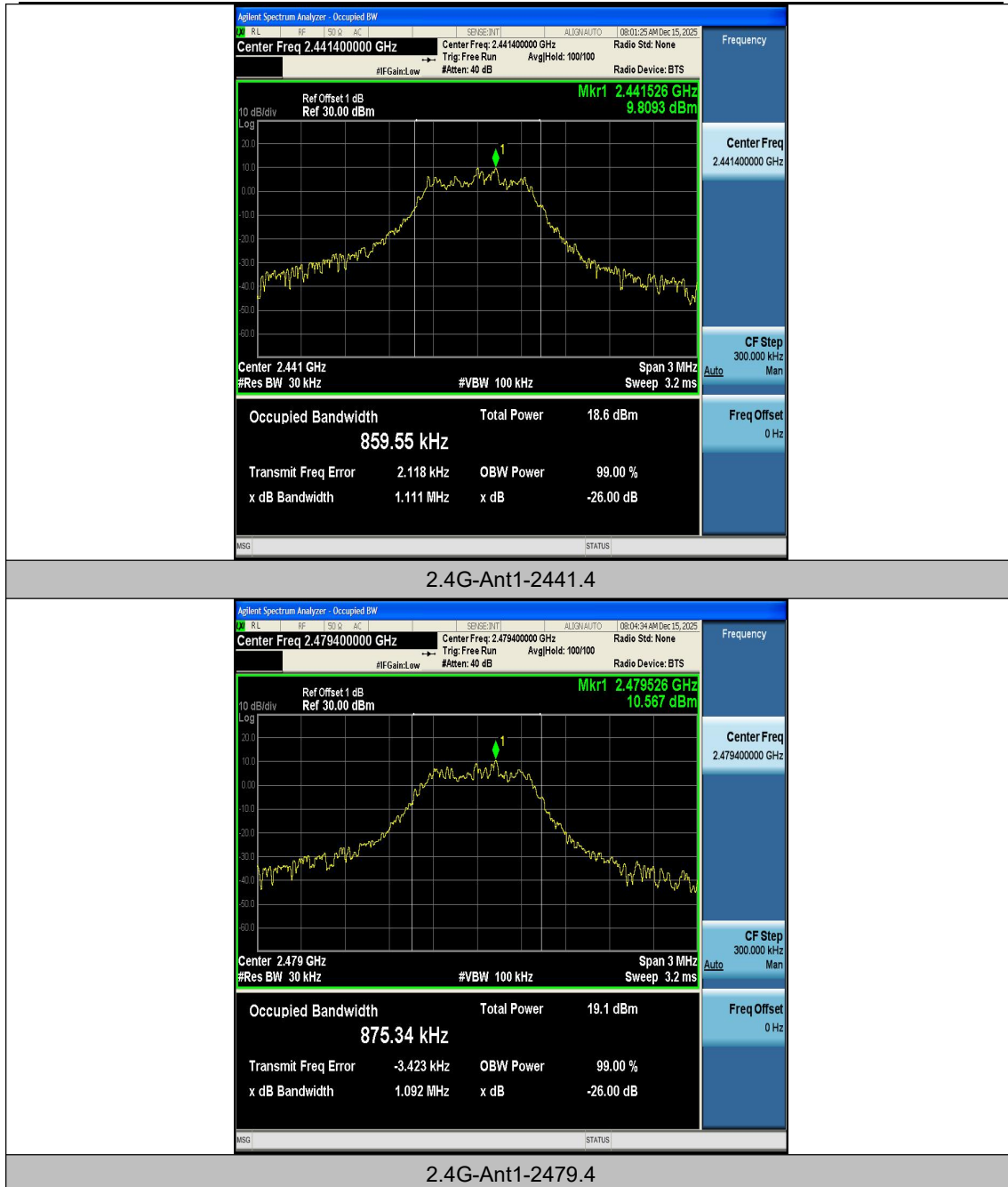
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402.4	0.85815	2402.0075	2402.8656	---	---
2.4G	Ant1	2441.4	0.85955	2440.9723	2441.8319	---	---
2.4G	Ant1	2479.4	0.87534	2478.9589	2479.8343	---	---

Test Graphs



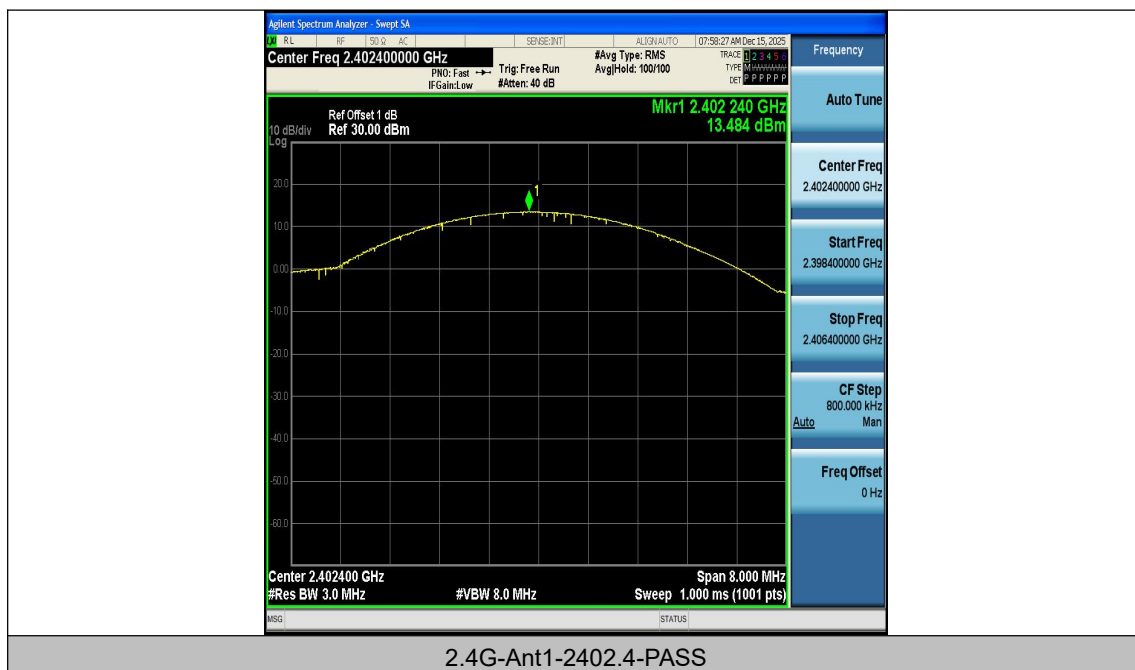


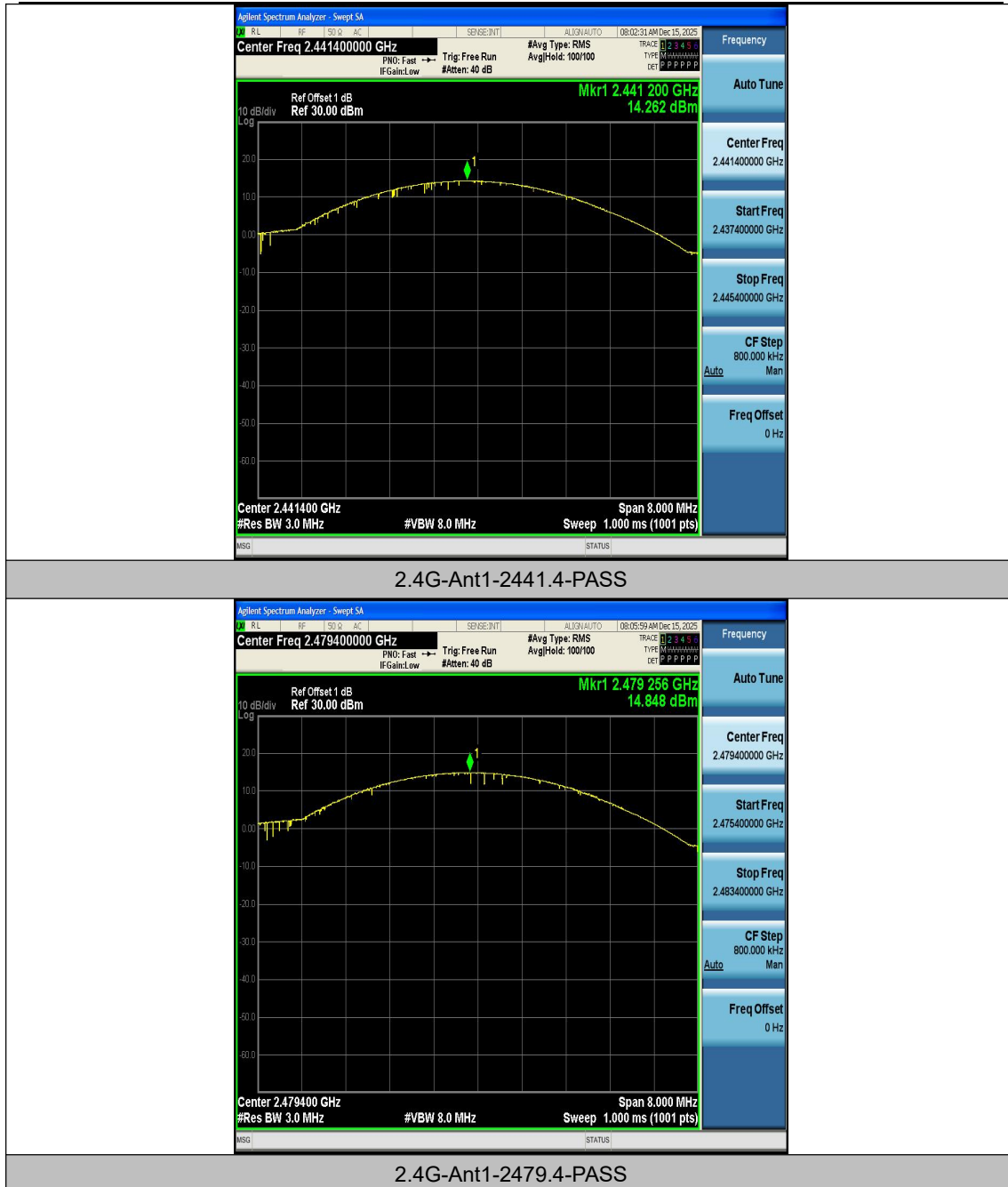
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2402.4	13.48	≤20.97	PASS
2.4G	Ant1	2441.4	14.26	≤20.97	PASS
2.4G	Ant1	2479.4	14.85	≤20.97	PASS

Test Graphs





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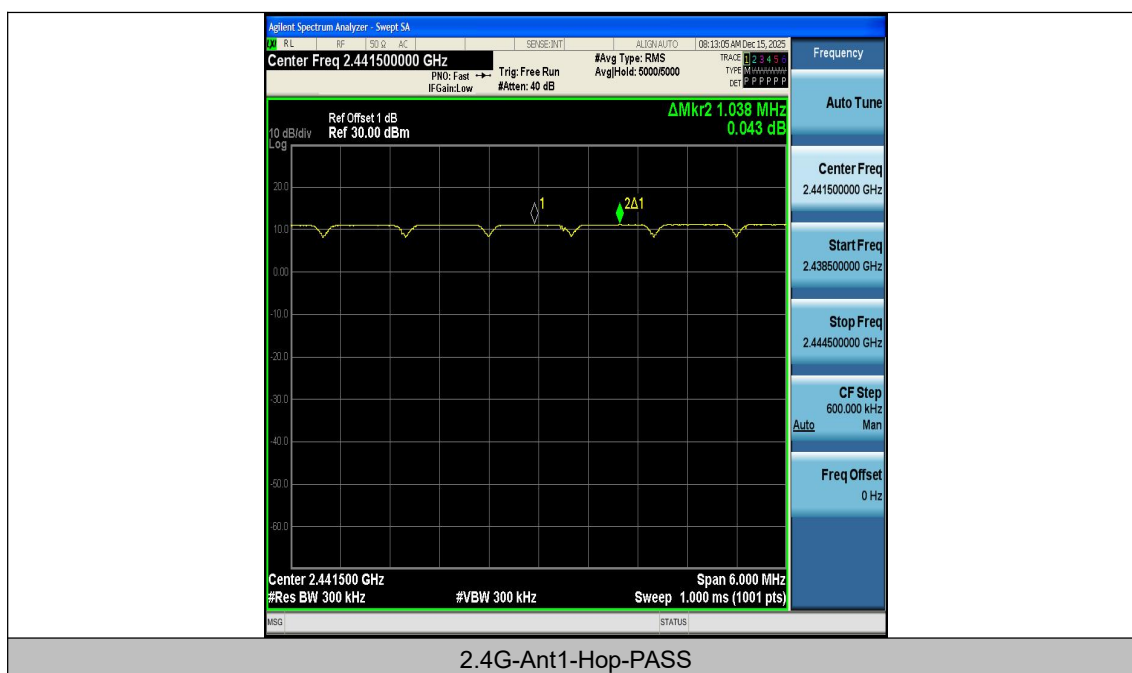
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	1.038	≥0.660	PASS

Note: Only record the worst data in the test data.

Test Graphs

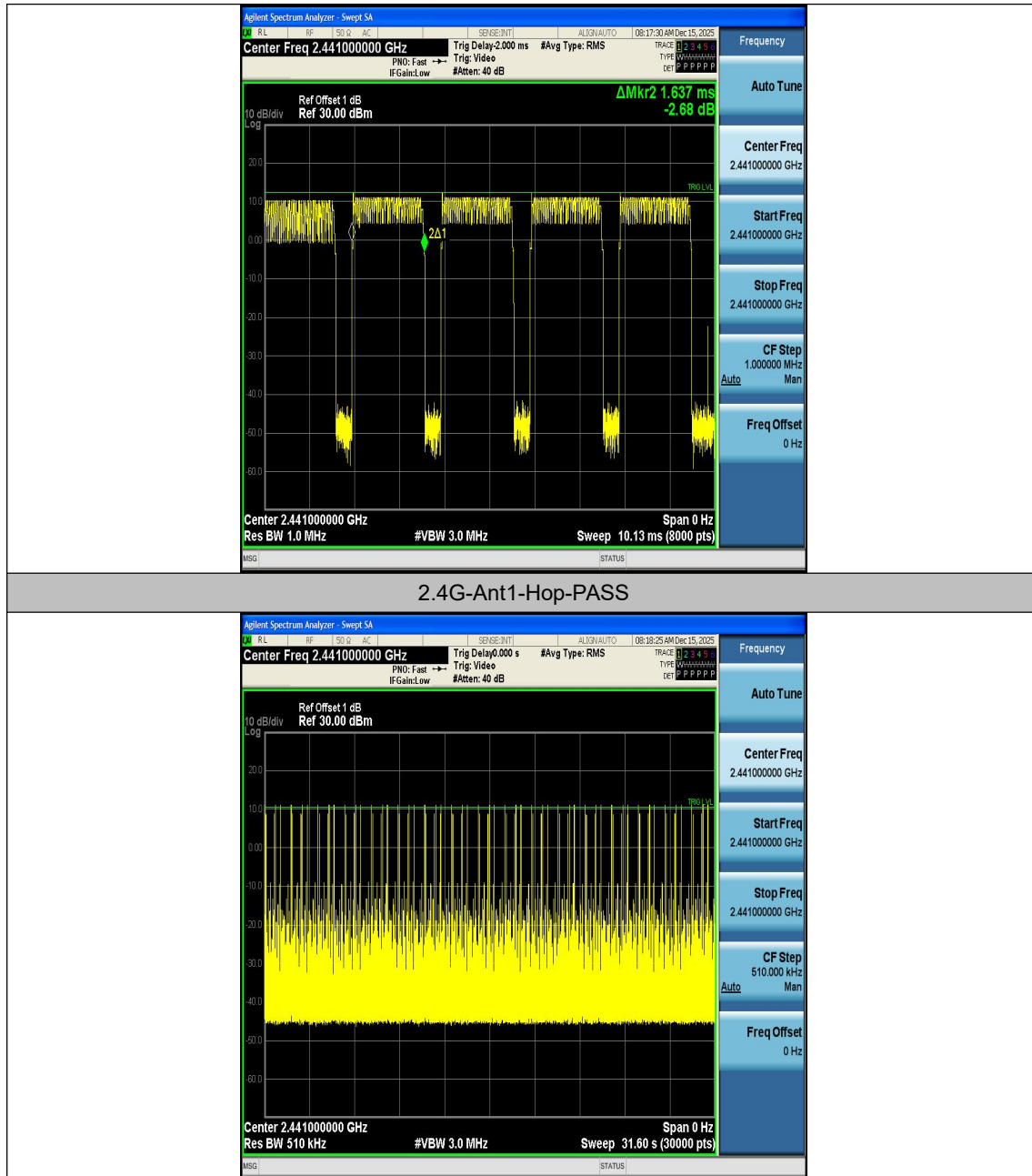


Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	1.637	85	0.139	≤0.4	PASS

Test Graphs



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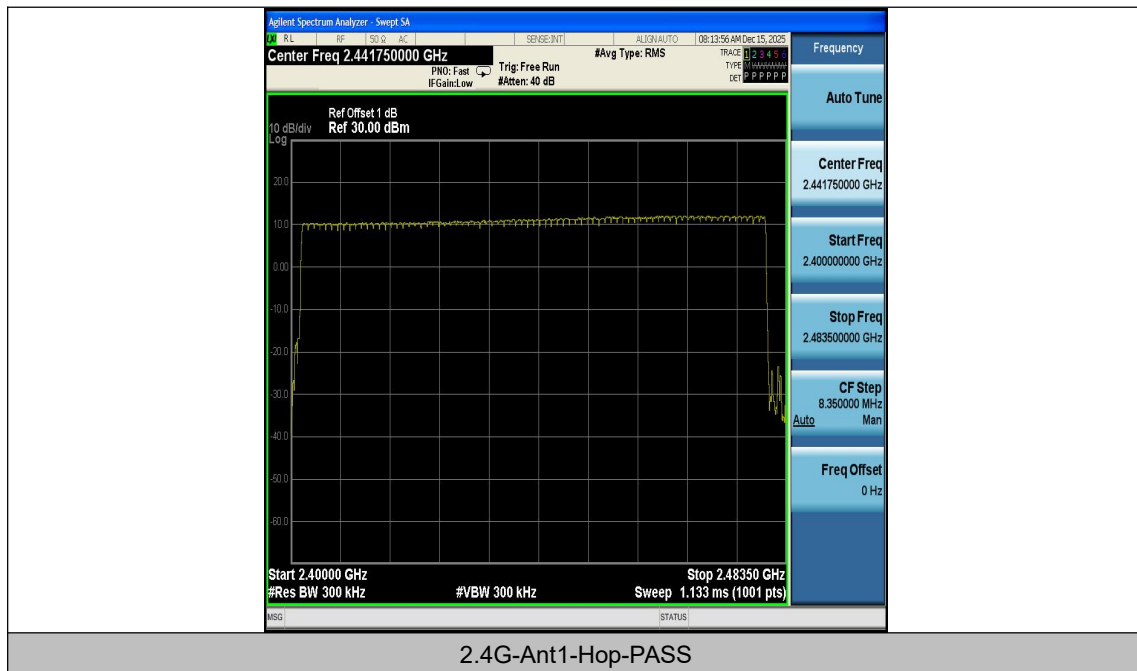
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Appendix F: Number of Hopping Channel

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [Num]	Limit [Num]	Verdict
2.4G	Ant1	Hop	79	≥15	PASS

Test Graphs

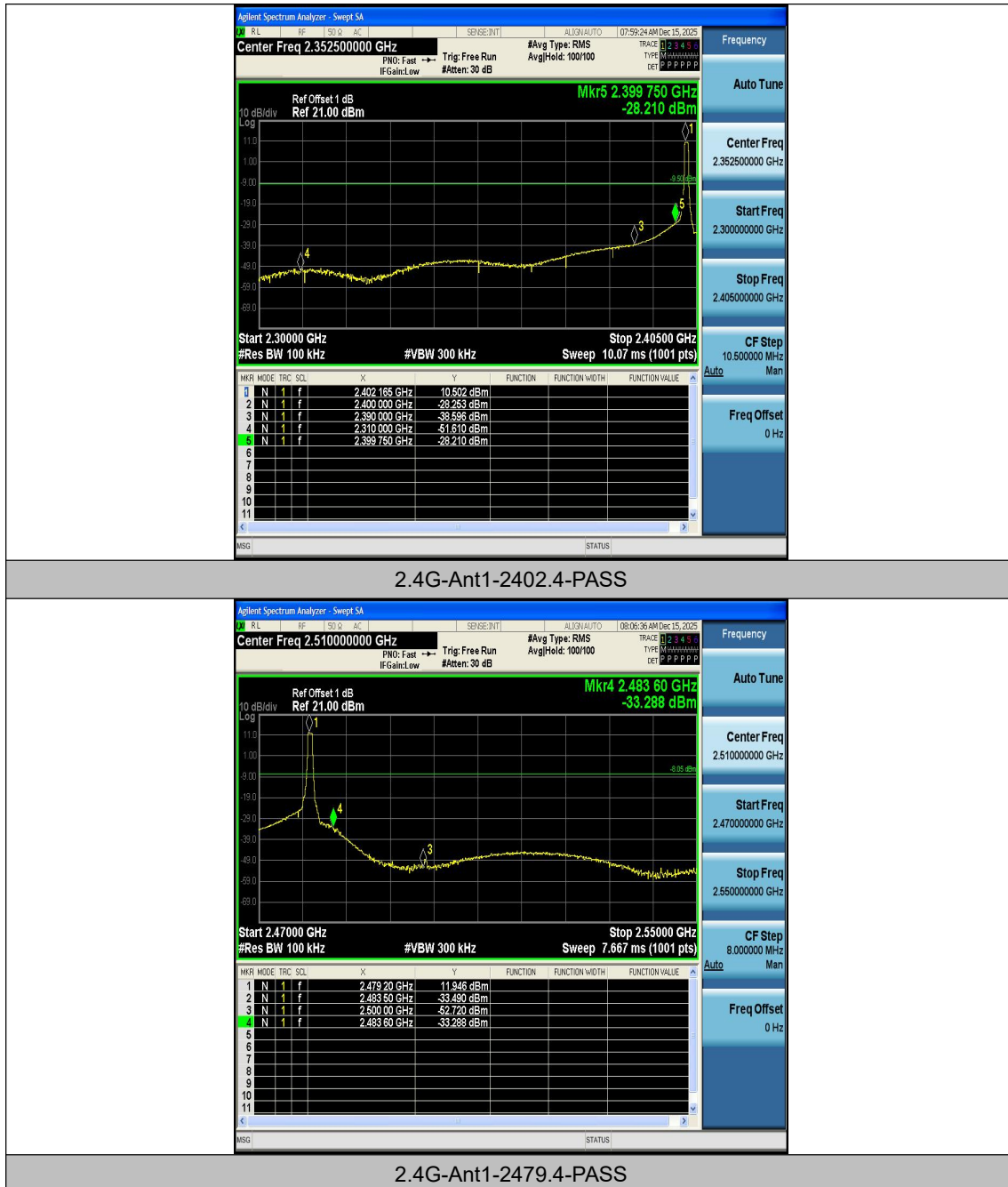


Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2402.4	10.50	-28.21	≤-9.5	PASS
2.4G	Ant1	High	2479.4	11.95	-33.29	≤-8.05	PASS
2.4G	Ant1	Low	Hop_2402.4	10.20	-28.62	≤-9.81	PASS
2.4G	Ant1	High	Hop_2479.4	11.80	-33.29	≤-8.2	PASS

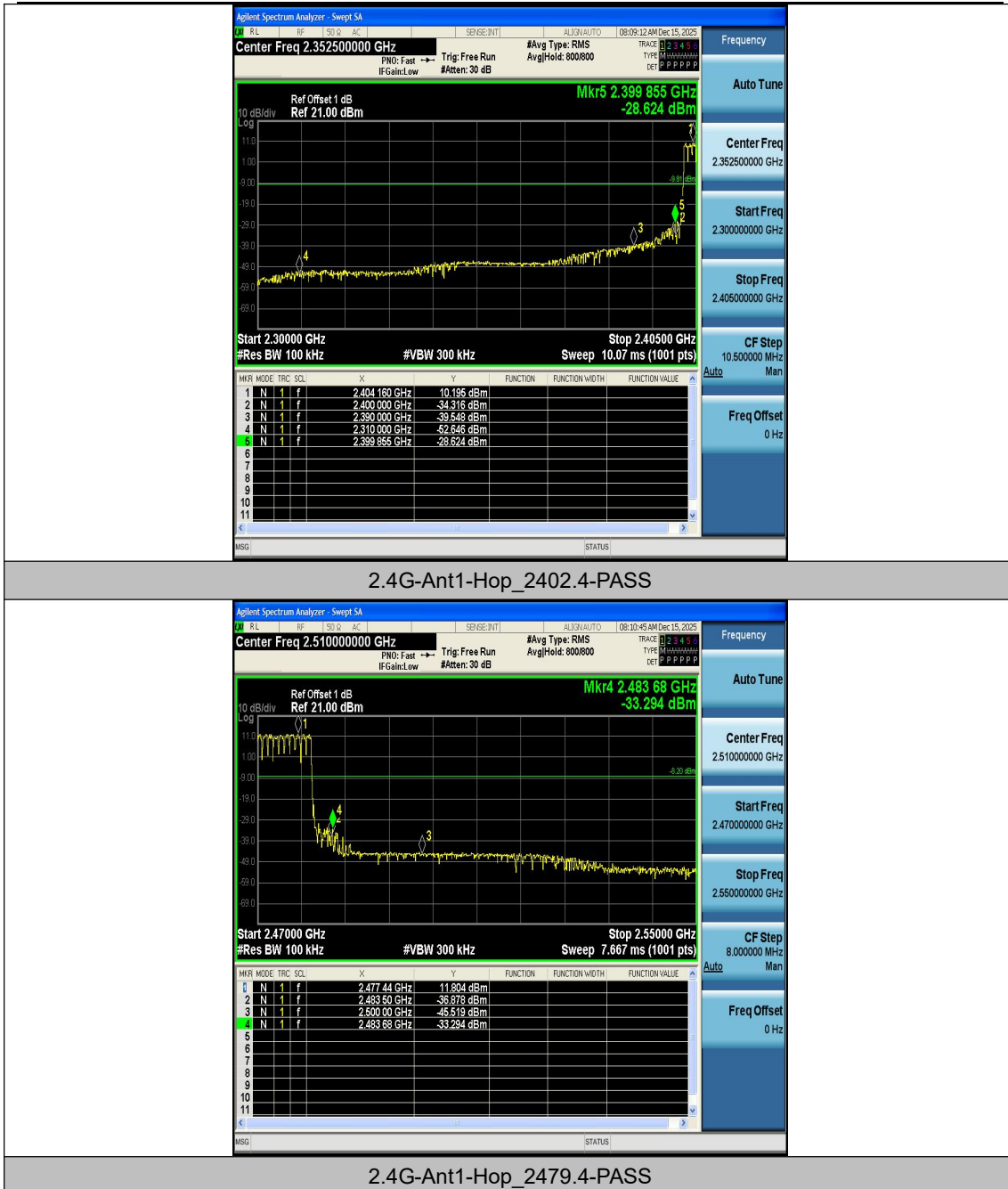
Test Graphs



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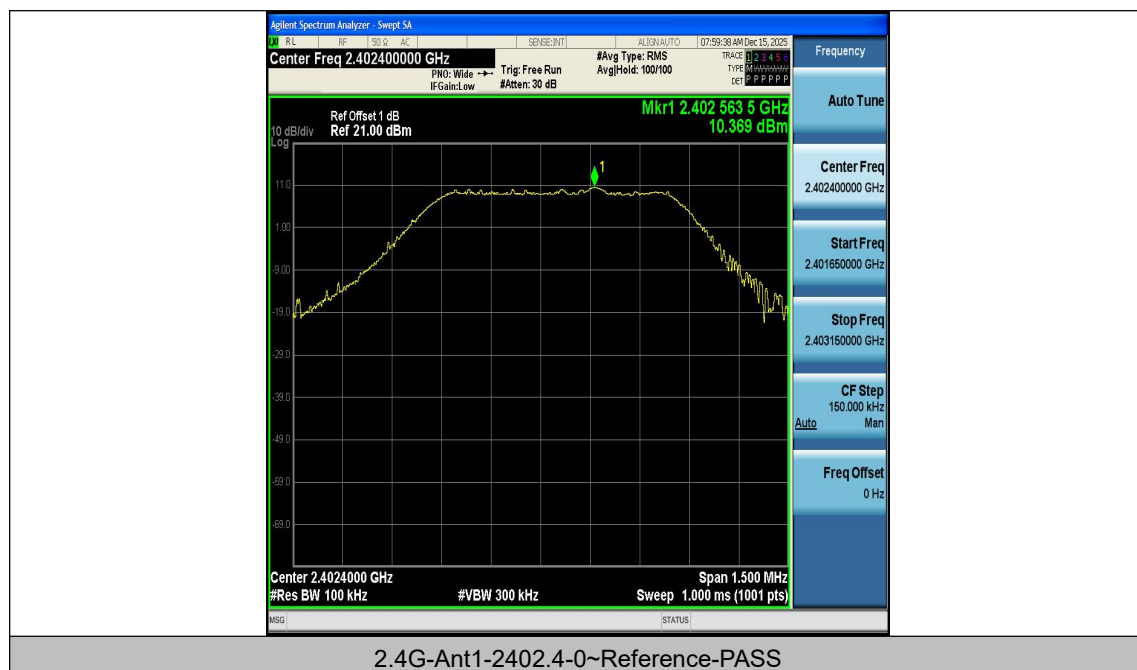
Appendix H: Conducted Spurious Emission

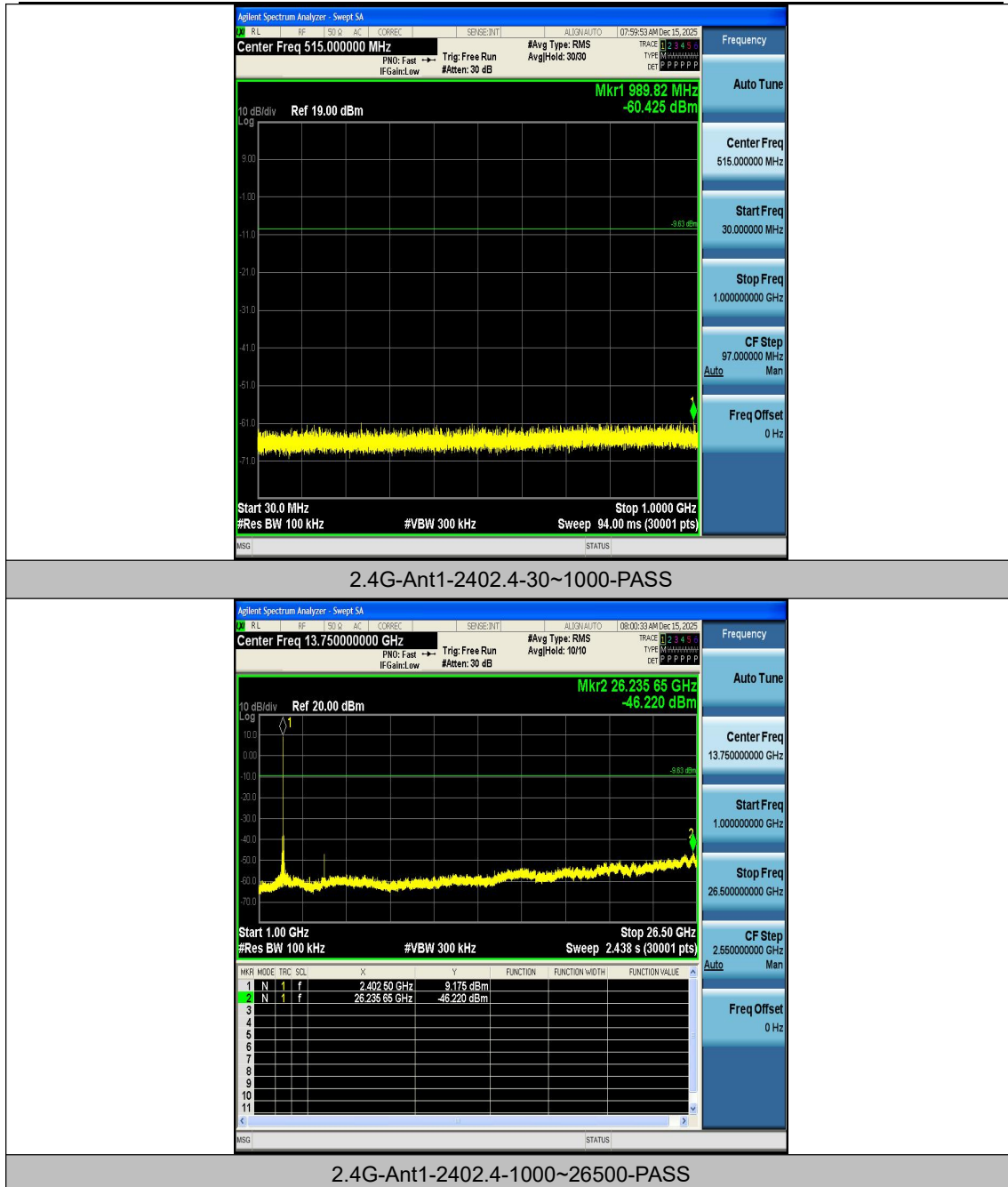
Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2402.4	0~Reference	10.37	10.37	---	PASS
2.4G	Ant1	2402.4	30~1000	10.37	-60.43	≤-9.63	PASS
2.4G	Ant1	2402.4	1000~26500	10.37	-46.22	≤-9.63	PASS
2.4G	Ant1	2441.4	0~Reference	11.15	11.15	---	PASS
2.4G	Ant1	2441.4	30~1000	11.15	-60.35	≤-8.85	PASS
2.4G	Ant1	2441.4	1000~26500	11.15	-46.12	≤-8.85	PASS
2.4G	Ant1	2479.4	0~Reference	11.73	11.73	---	PASS
2.4G	Ant1	2479.4	30~1000	11.73	-59.63	≤-8.27	PASS
2.4G	Ant1	2479.4	1000~26500	11.73	-45	≤-8.27	PASS

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

Test Graphs

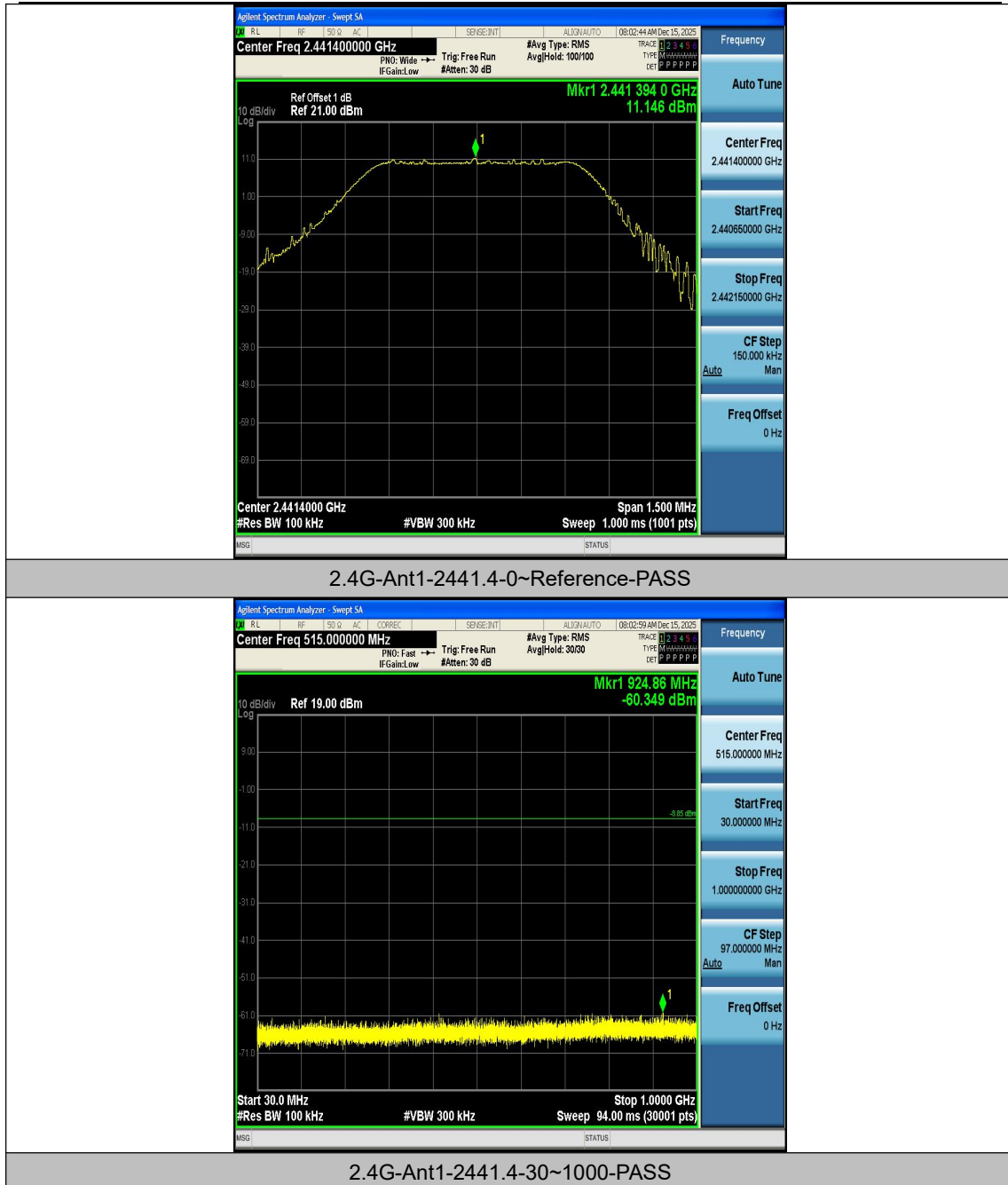




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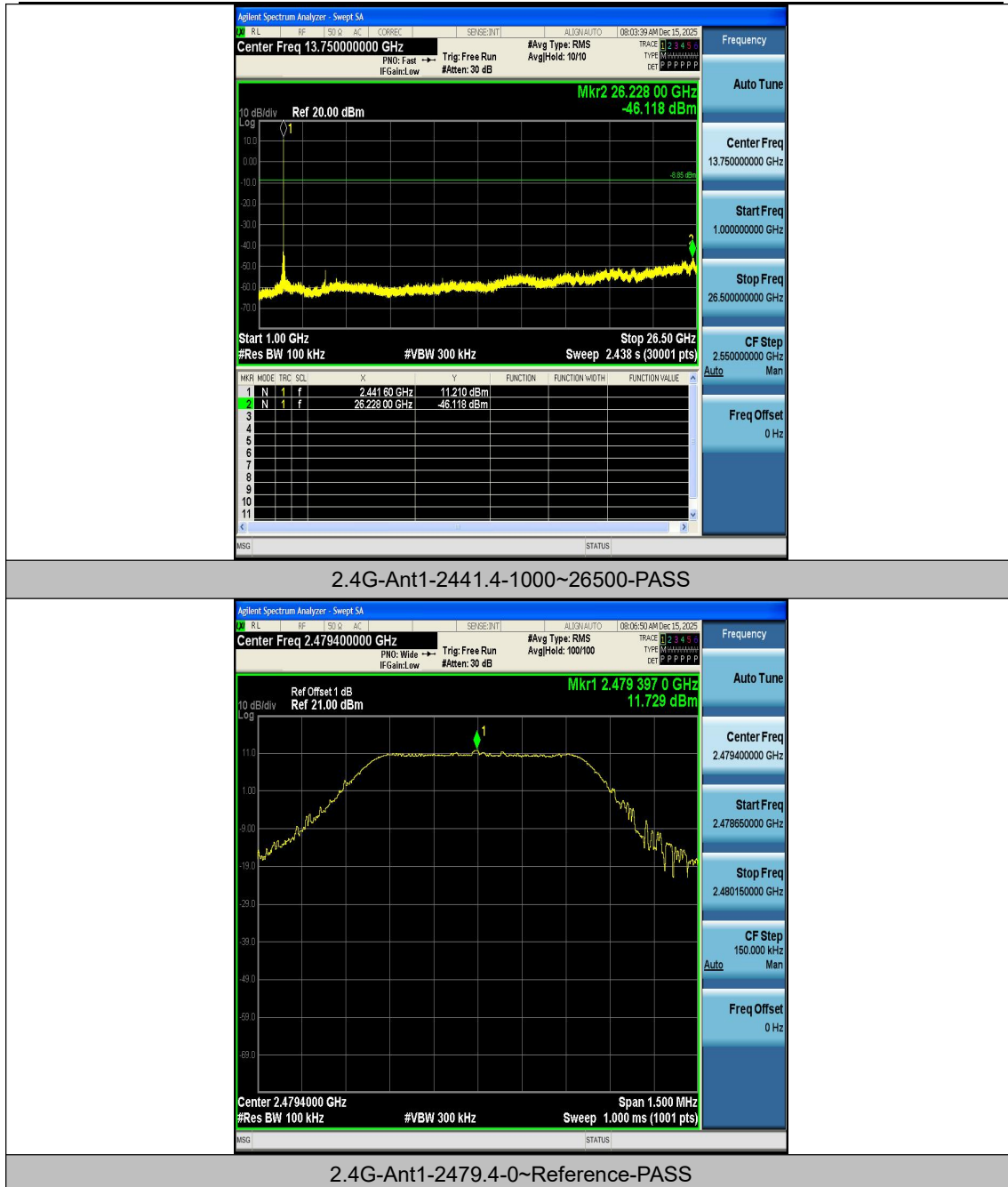
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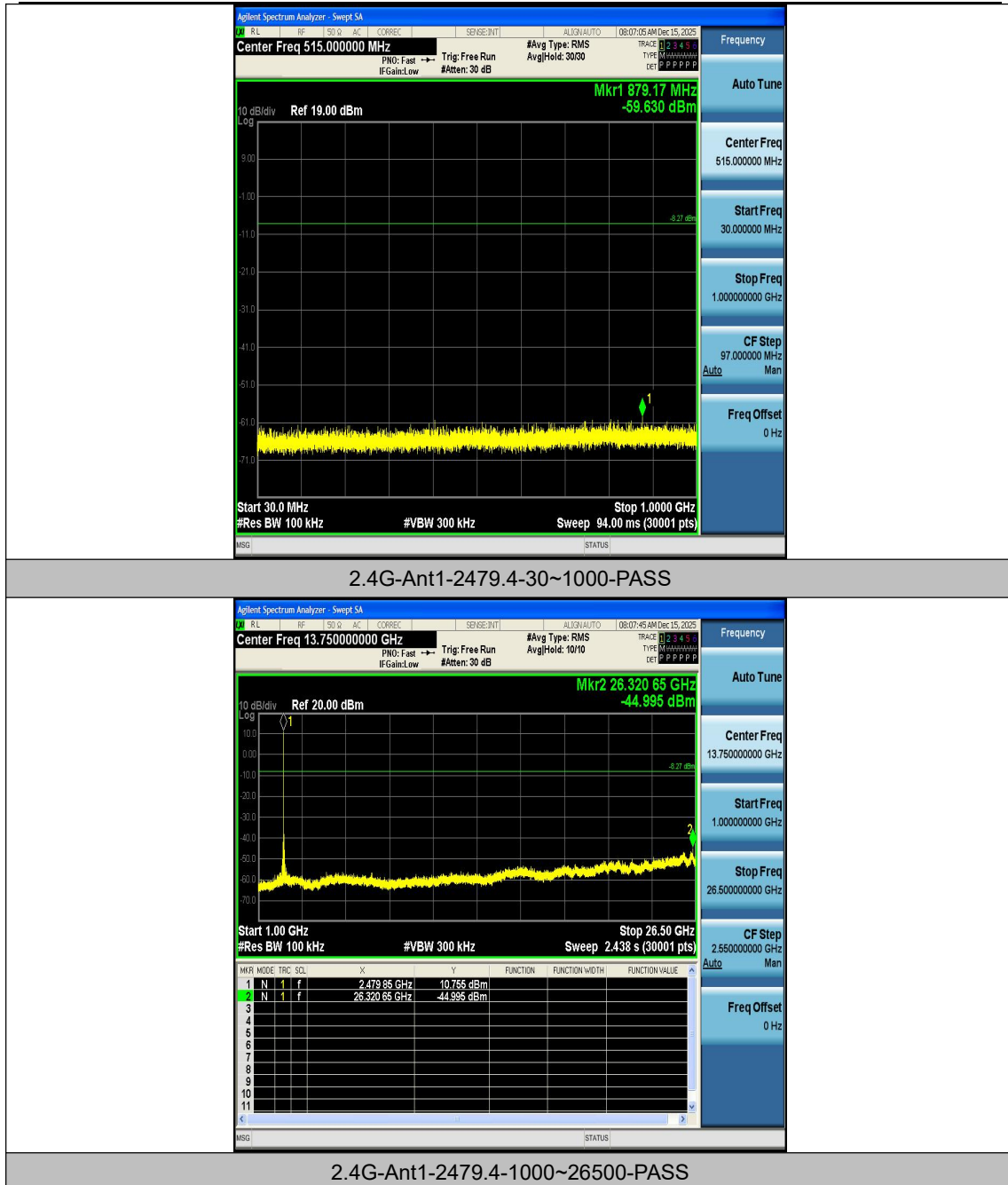
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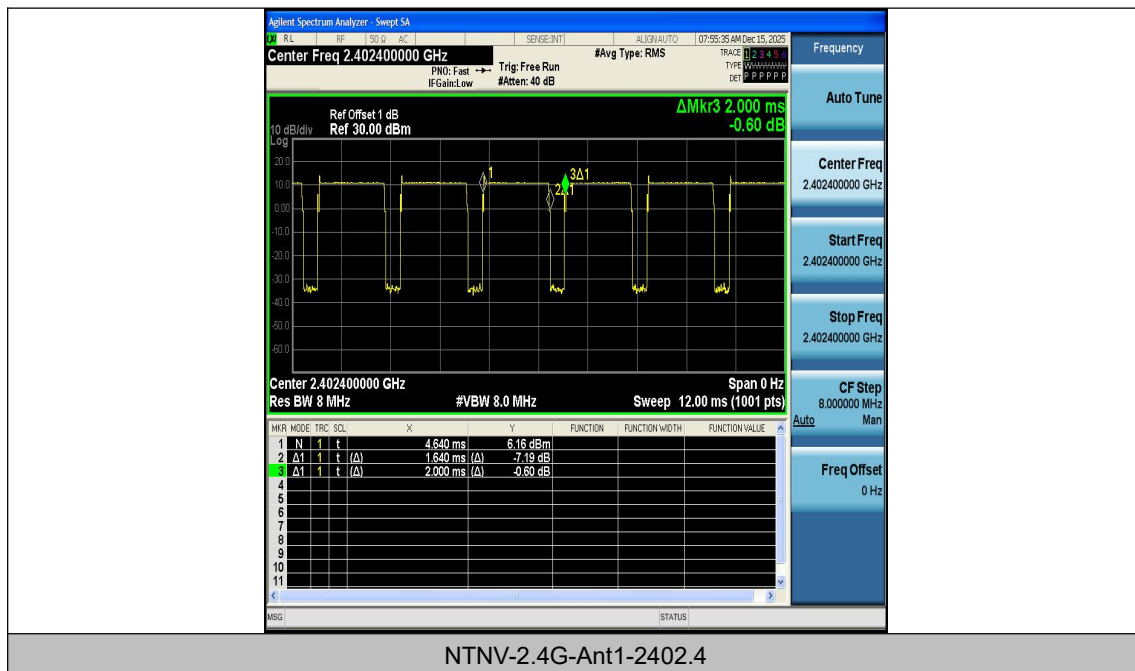
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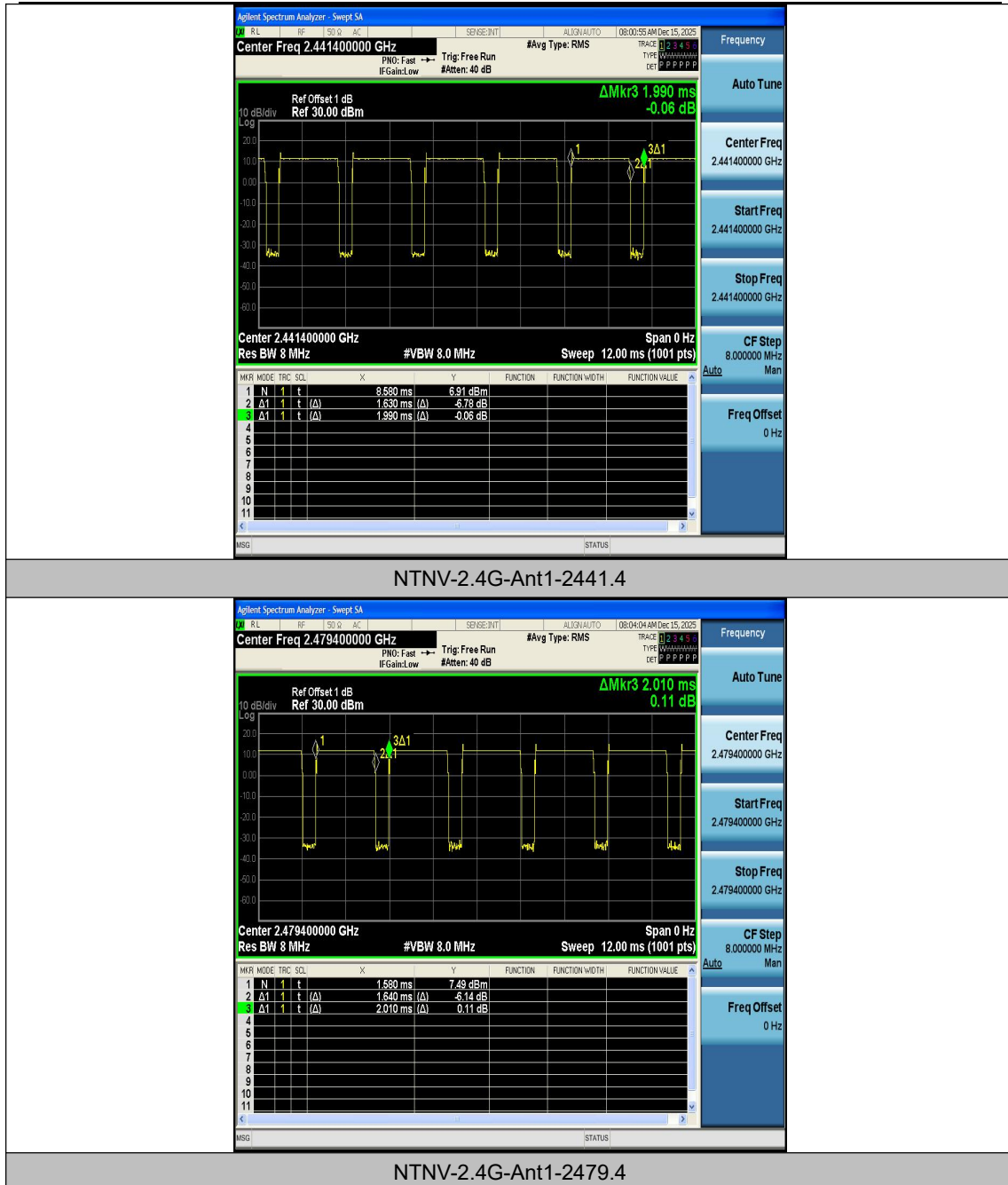
Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2402.4	1.64	2.00	82.00	0.86
2.4G	Ant1	2441.4	1.63	1.99	81.91	0.87
2.4G	Ant1	2479.4	1.64	2.01	81.59	0.88

Test Graphs





---End---