

Appendix Test Data

Report No.:	1812C50647612501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-12-9	Finish Test Date:	2026-3-4
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	23.7°C	Relative Humidity:	45%
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	2404	1.083	2403.478	2404.561	---	---
2.4G	Ant1	2439	1.071	2438.487	2439.558	---	---
2.4G	Ant1	2479	1.074	2478.478	2479.552	---	---

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	2404	1.0303	2403.4962	2404.5265	---	---
2.4G	Ant1	2439	1.0044	2438.5262	2439.5306	---	---
2.4G	Ant1	2479	1.0110	2478.4930	2479.5040	---	---

Test Graphs



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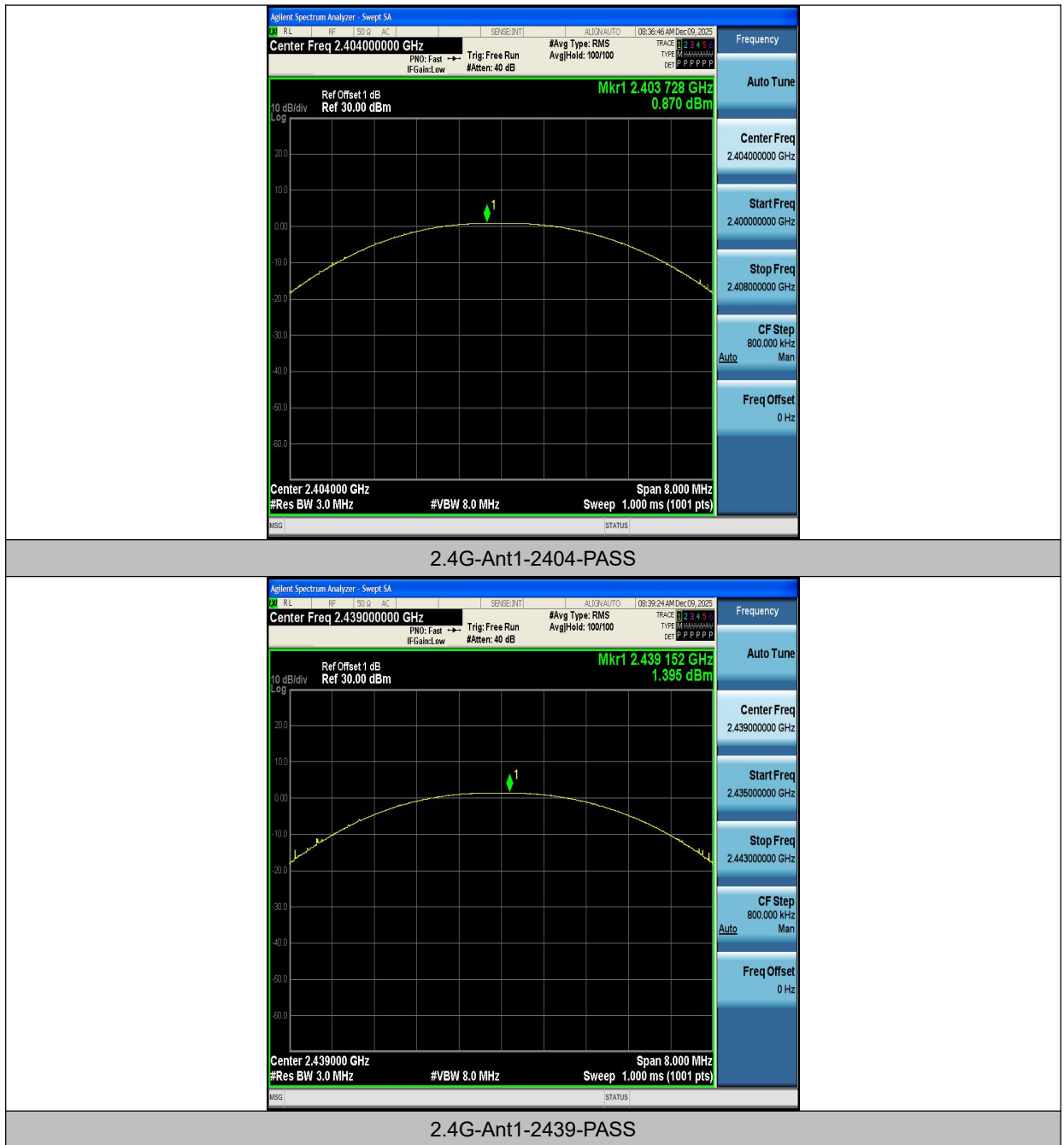
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Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2404	0.87	≤20.97	PASS
2.4G	Ant1	2439	1.40	≤20.97	PASS
2.4G	Ant1	2479	2.32	≤20.97	PASS

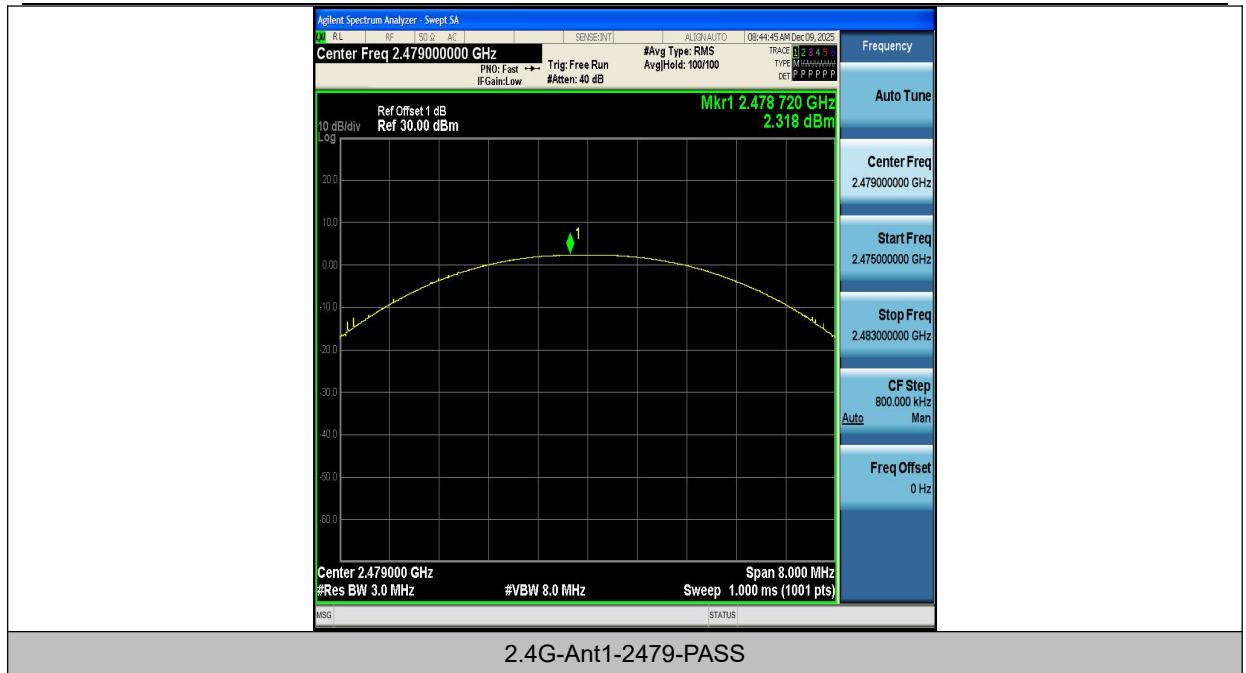
Test Graphs



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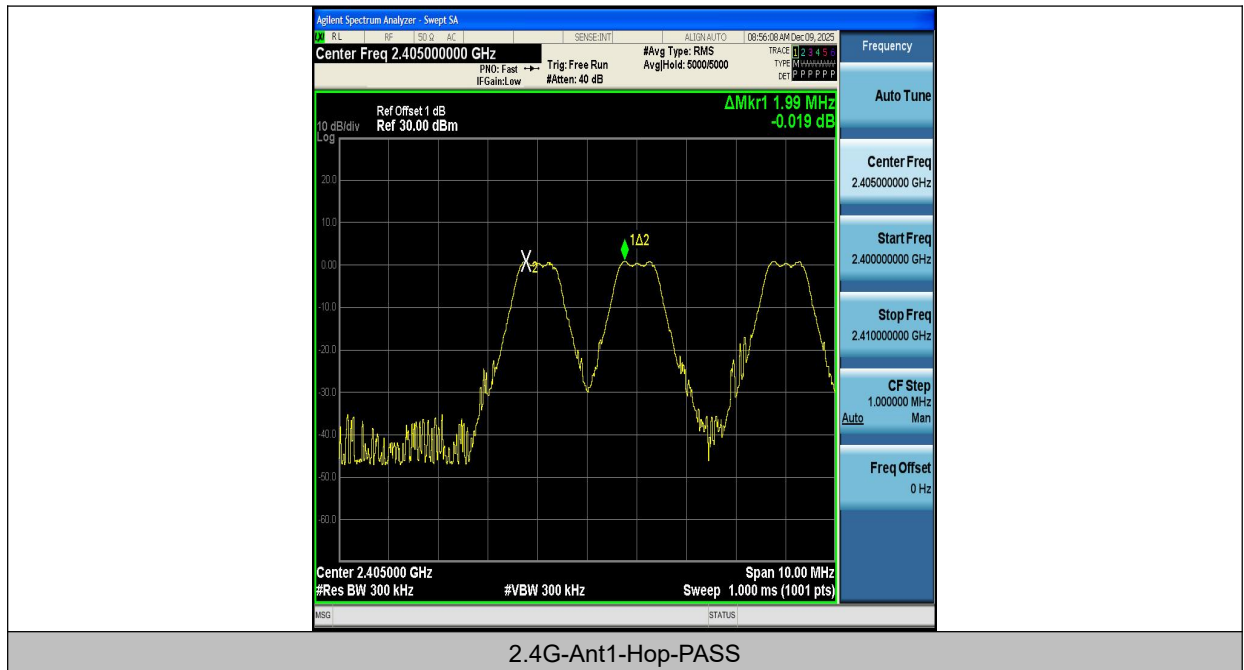
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
2.4G	ANT1	Hop	1.990	>0.72	PASS

Test Graphs



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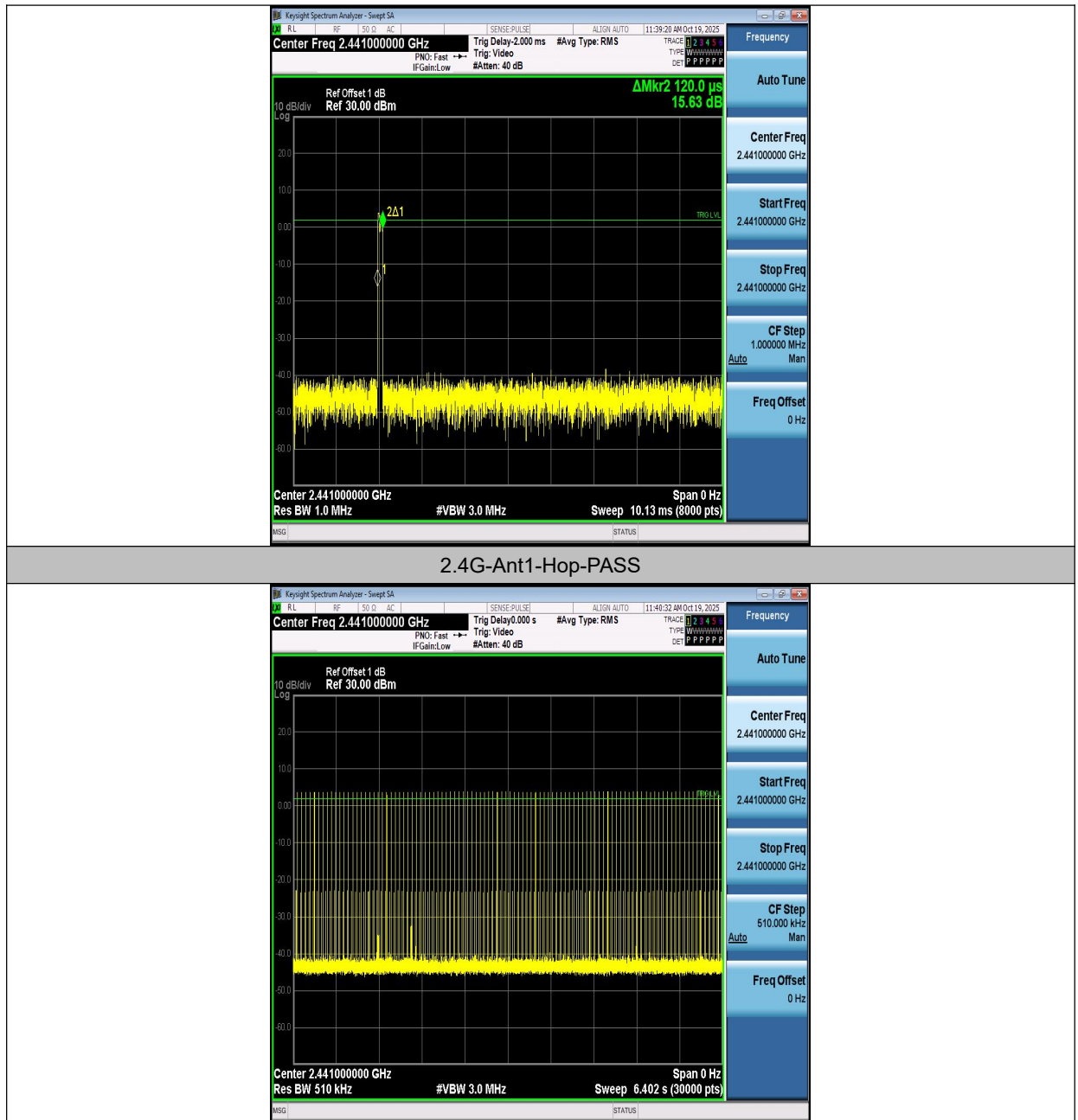
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	0.120	101	0.012	≤0.4	PASS

Test Graphs



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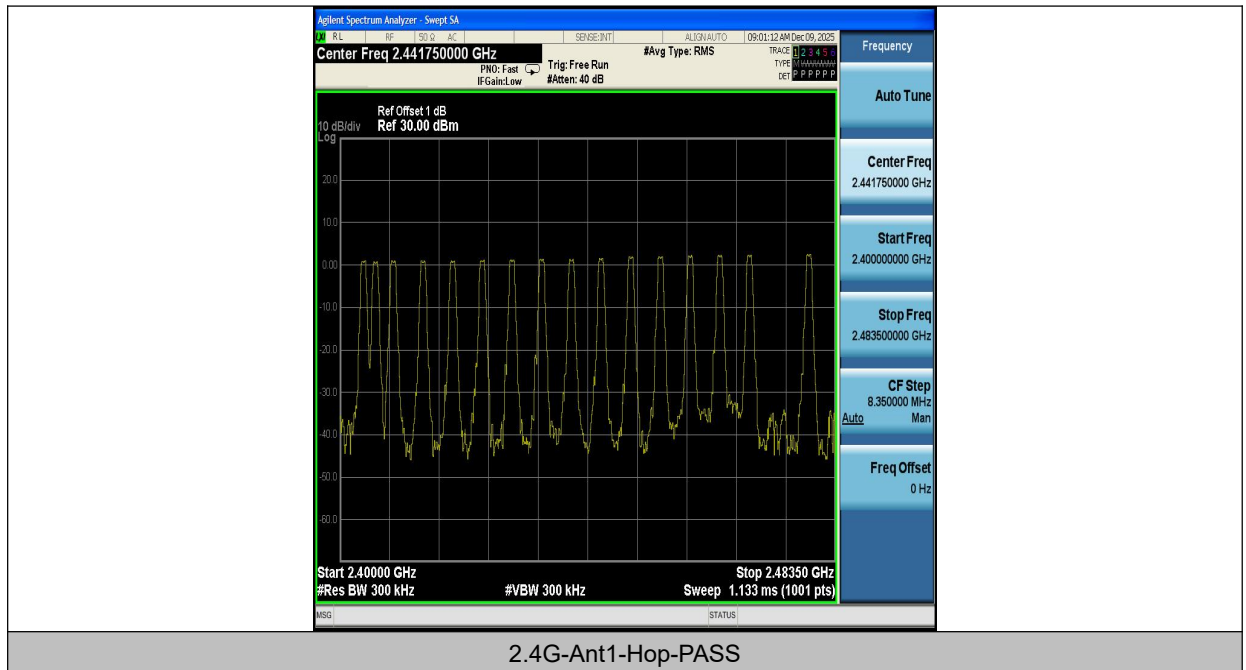
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Appendix F: Number of Hopping Channel

Test Result

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

Test Graphs



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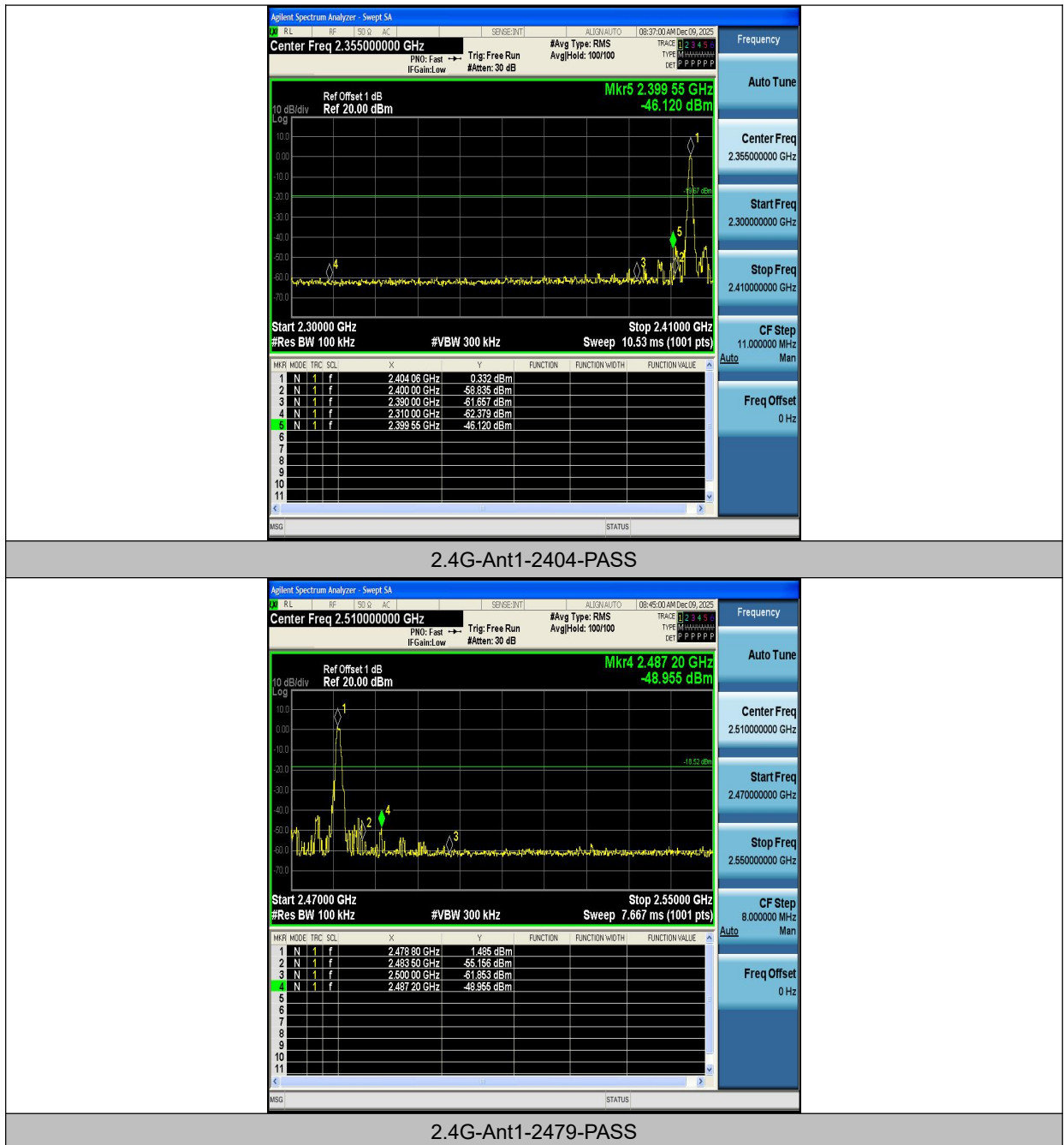
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Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2404	0.33	-46.12	≤ -19.67	PASS
2.4G	Ant1	High	2479	1.49	-48.96	≤ -18.52	PASS
2.4G	Ant1	Low	Hop	0.74	-44.4	≤ -19.26	PASS
2.4G	Ant1	High	Hop	1.31	-49.38	≤ -18.69	PASS

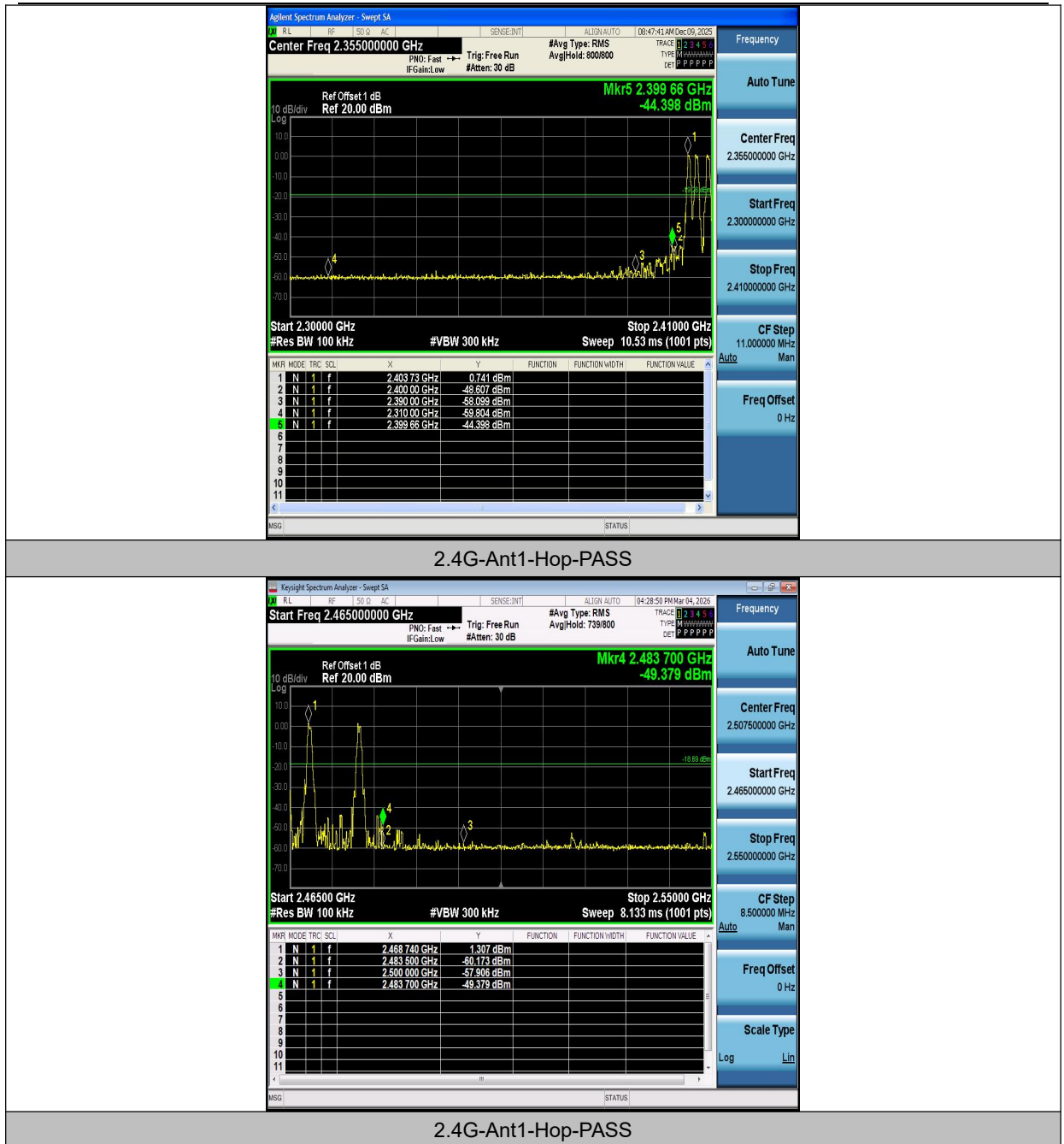
Test Graphs



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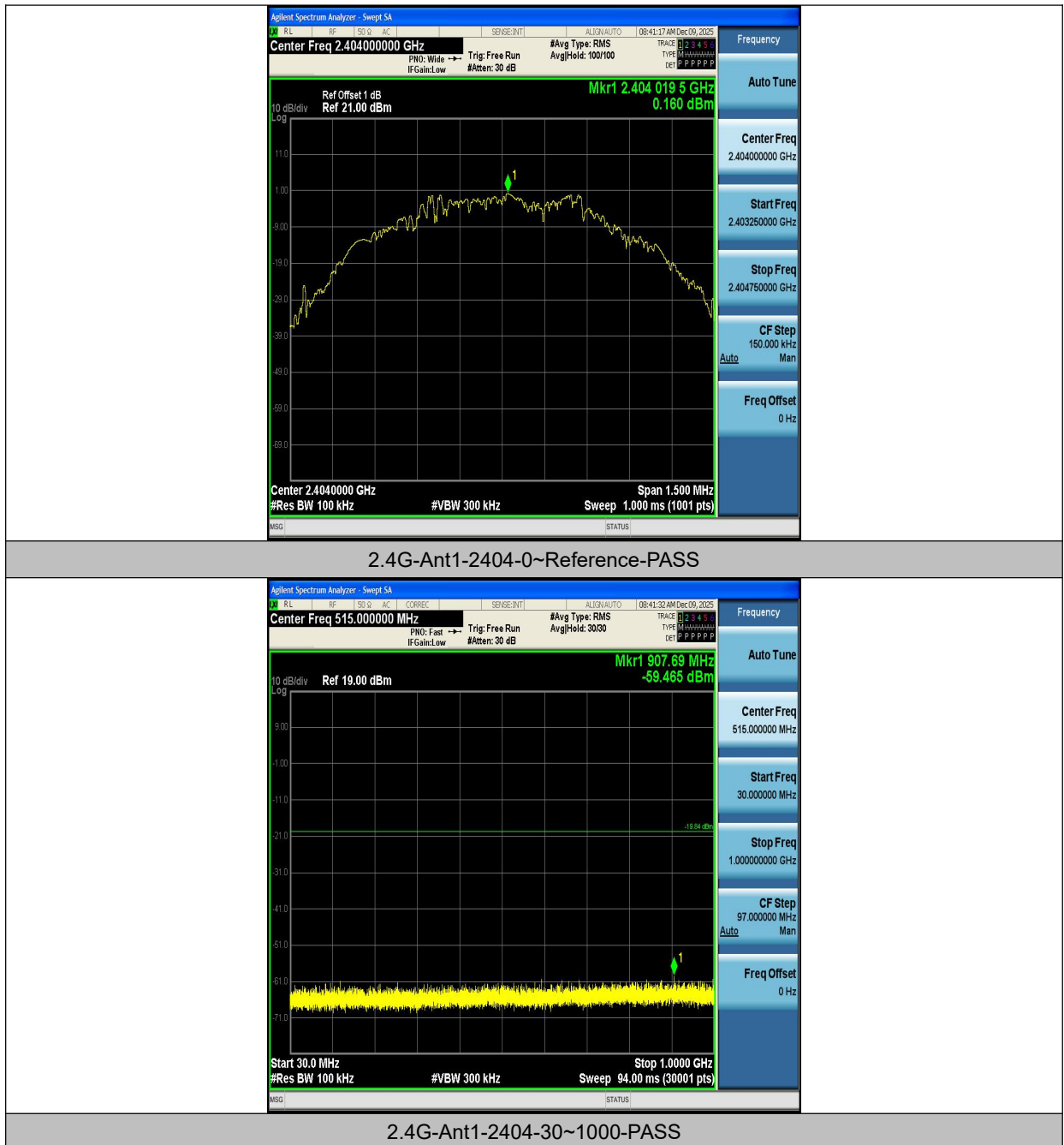
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2404	0~Reference	0.16	0.16	---	PASS
2.4G	Ant1	2404	30~1000	0.16	-59.47	≤-19.84	PASS
2.4G	Ant1	2404	1000~26500	0.16	-22.68	≤-19.84	PASS
2.4G	Ant1	2439	0~Reference	0.83	0.83	---	PASS
2.4G	Ant1	2439	30~1000	0.83	-59.15	≤-19.17	PASS
2.4G	Ant1	2439	1000~26500	0.83	-21.8	≤-19.17	PASS
2.4G	Ant1	2479	0~Reference	1.82	1.82	---	PASS
2.4G	Ant1	2479	30~1000	1.82	-59.97	≤-18.18	PASS
2.4G	Ant1	2479	1000~26500	1.82	-27.64	≤-18.18	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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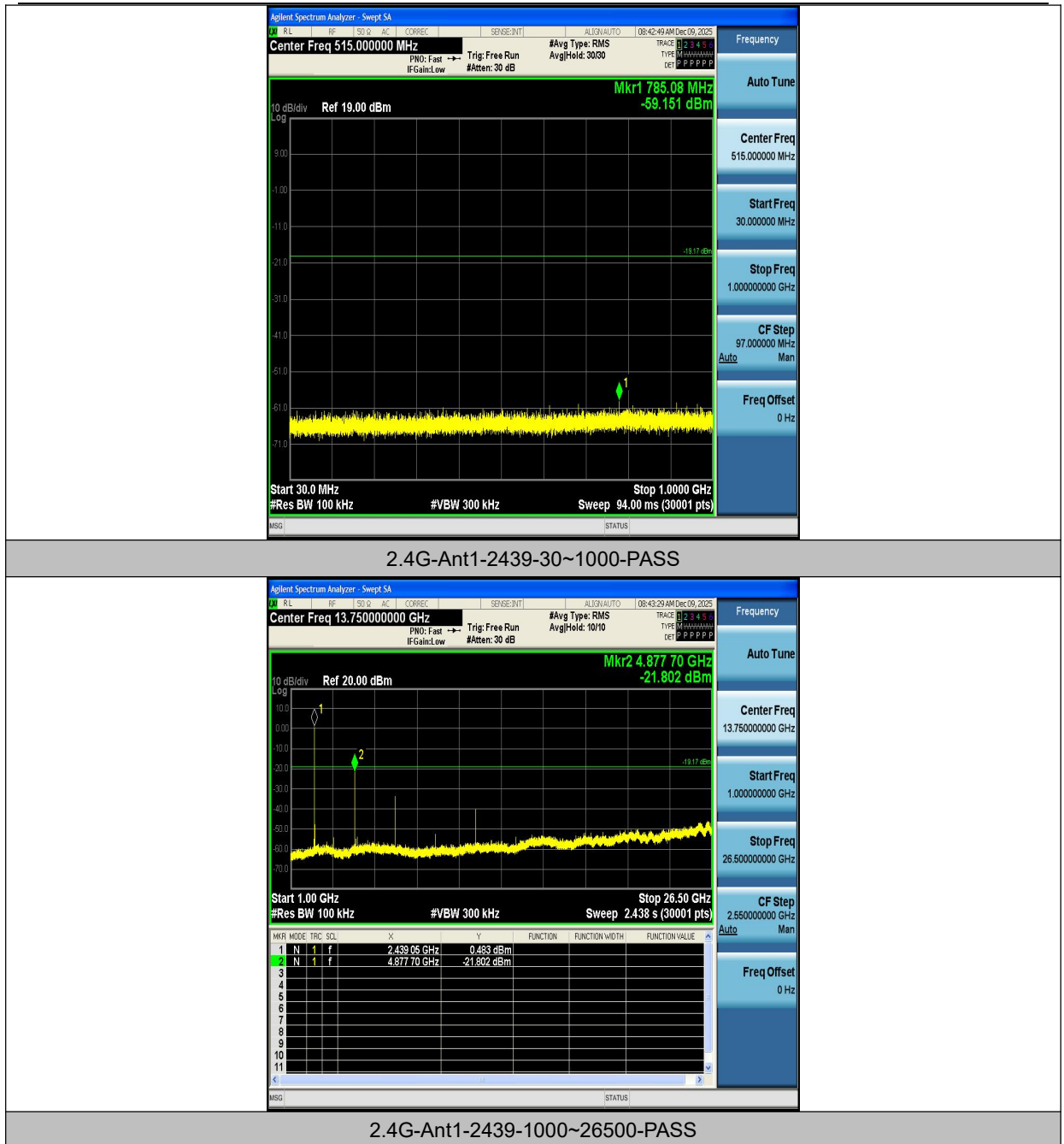
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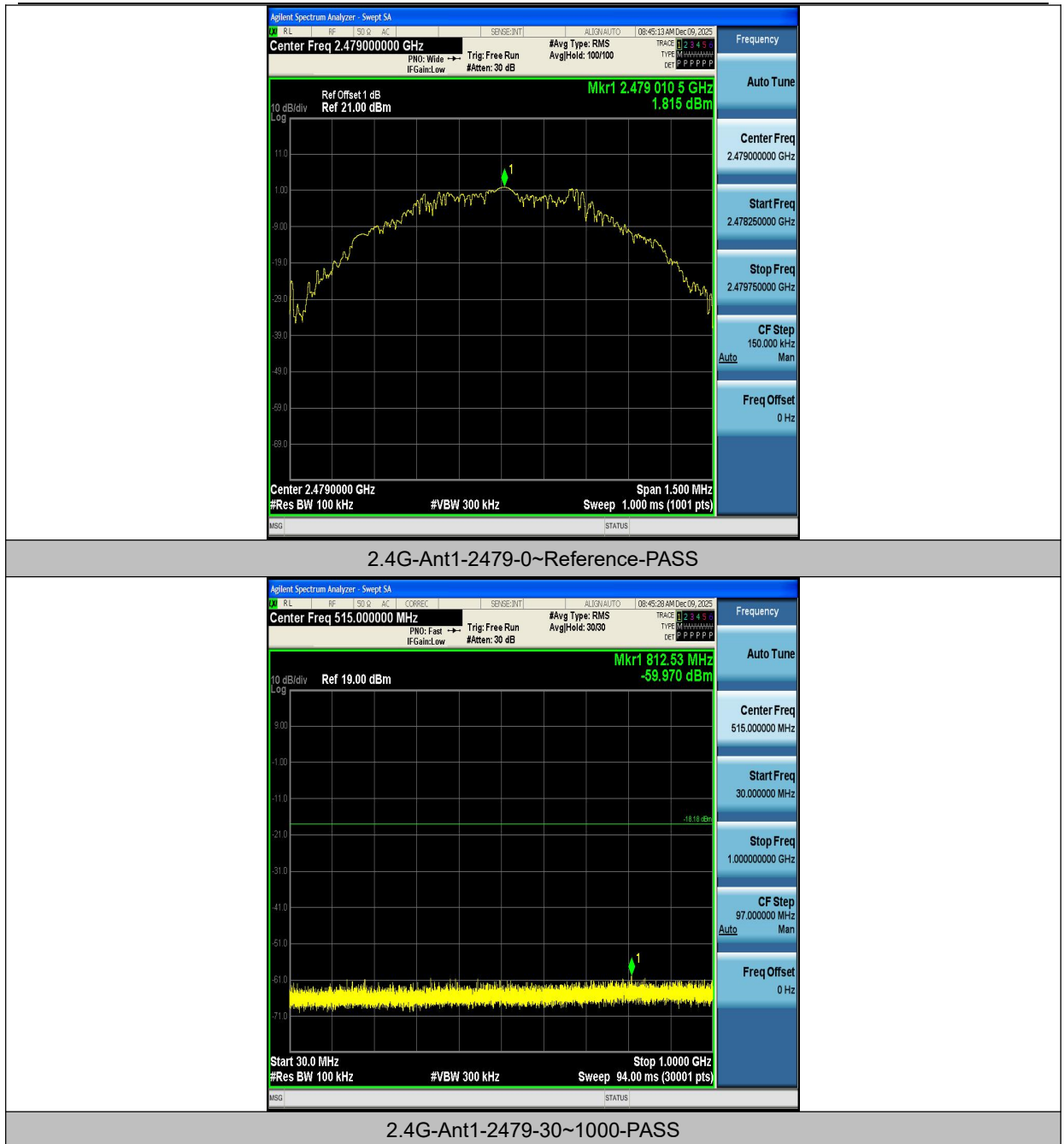
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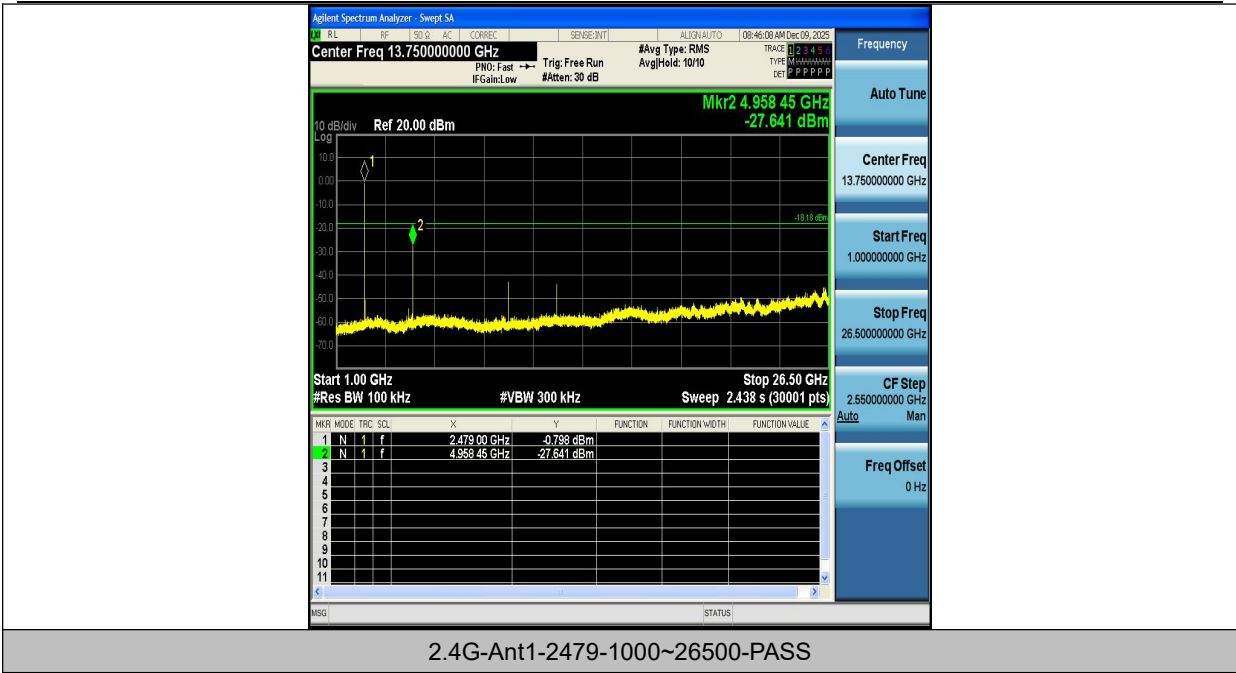
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2.4G-Ant1-2479-1000~26500-PASS

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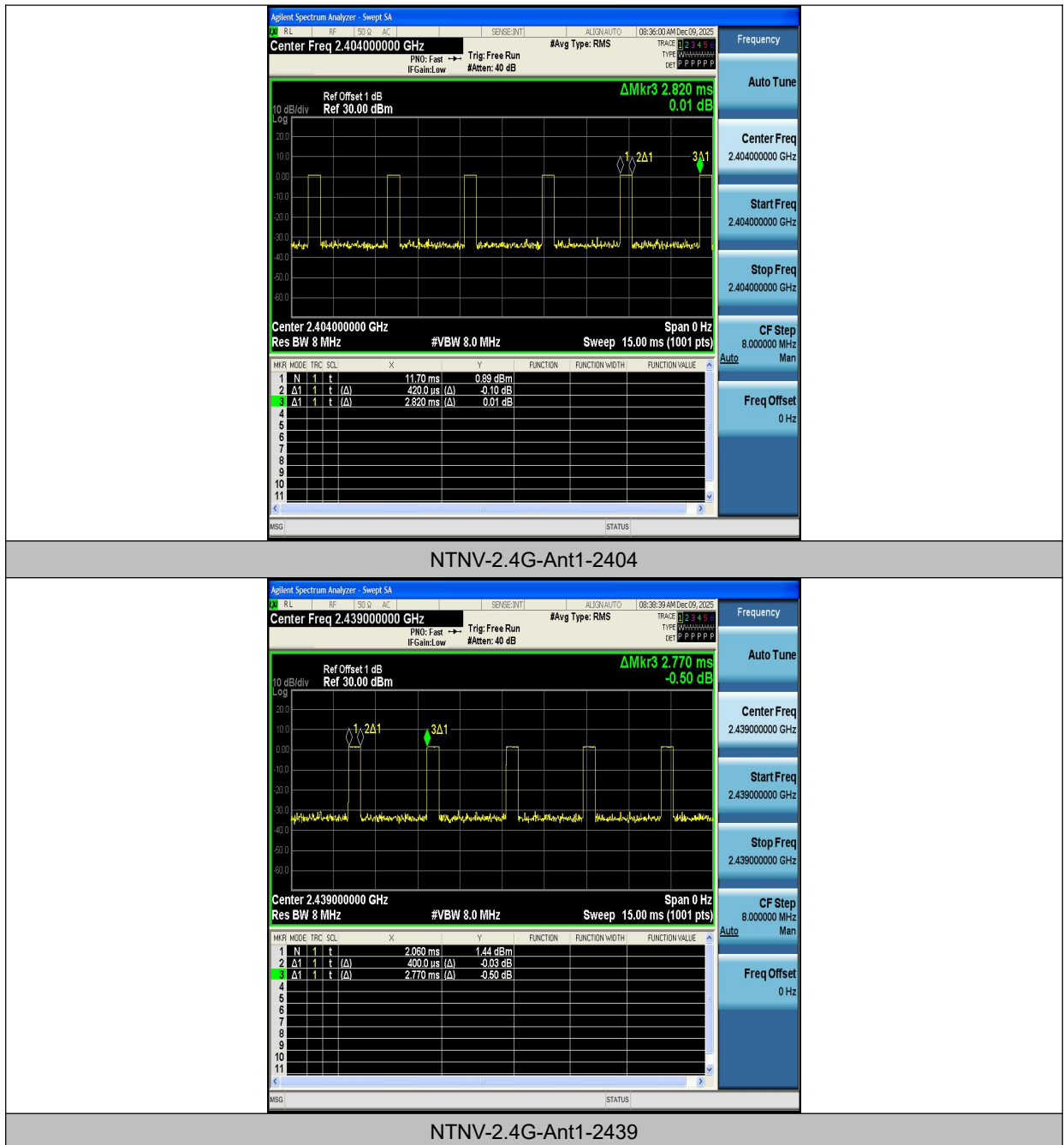
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Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2404	0.42	2.82	14.89	8.27
2.4G	Ant1	2439	0.40	2.77	14.44	8.40
2.4G	Ant1	2479	0.40	2.79	14.34	8.43

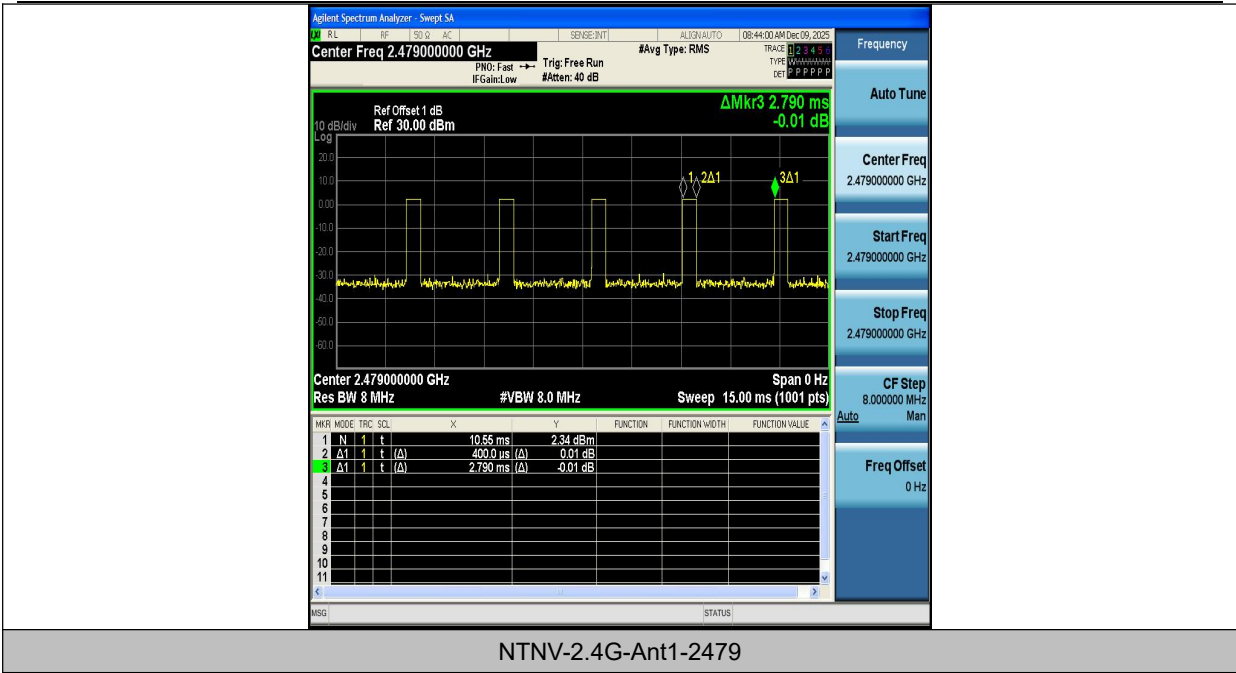
Test Graphs



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NTNV-2.4G-Ant1-2479

---End---