

Appendix Test Data

Report No.:	1812C50644812501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-12-9	Finish Test Date:	2025-12-9
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	2402	1.086	2401.382	2402.468	---	---
2.4G	Ant1	2446	1.086	2445.382	2446.468	---	---
2.4G	Ant1	2479	1.080	2478.382	2479.462	---	---

Test Graphs



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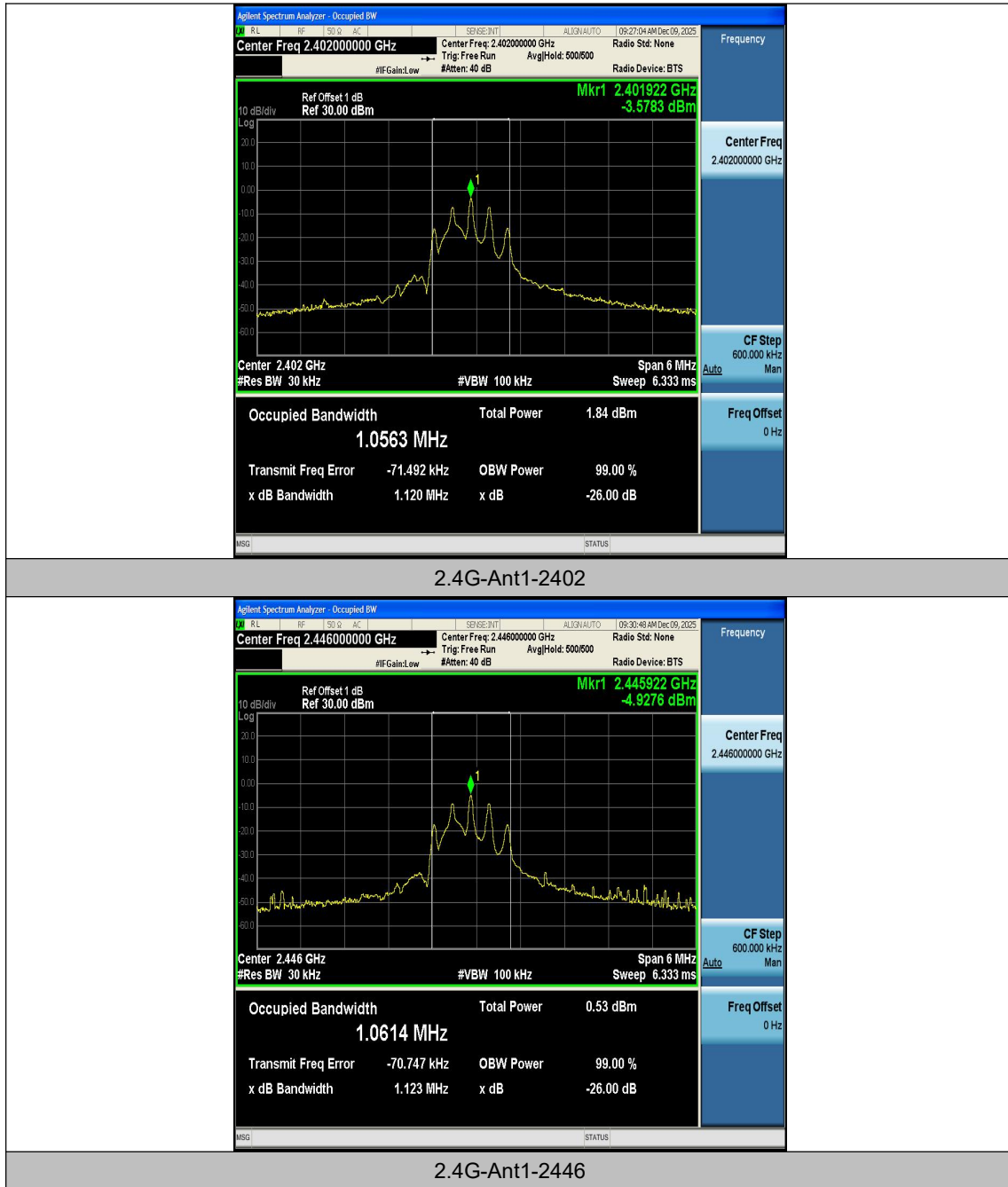
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402	1.0563	2401.4004	2402.4567	---	---
2.4G	Ant1	2446	1.0614	2445.3986	2446.4600	---	---
2.4G	Ant1	2479	1.0562	2478.3975	2479.4537	---	---

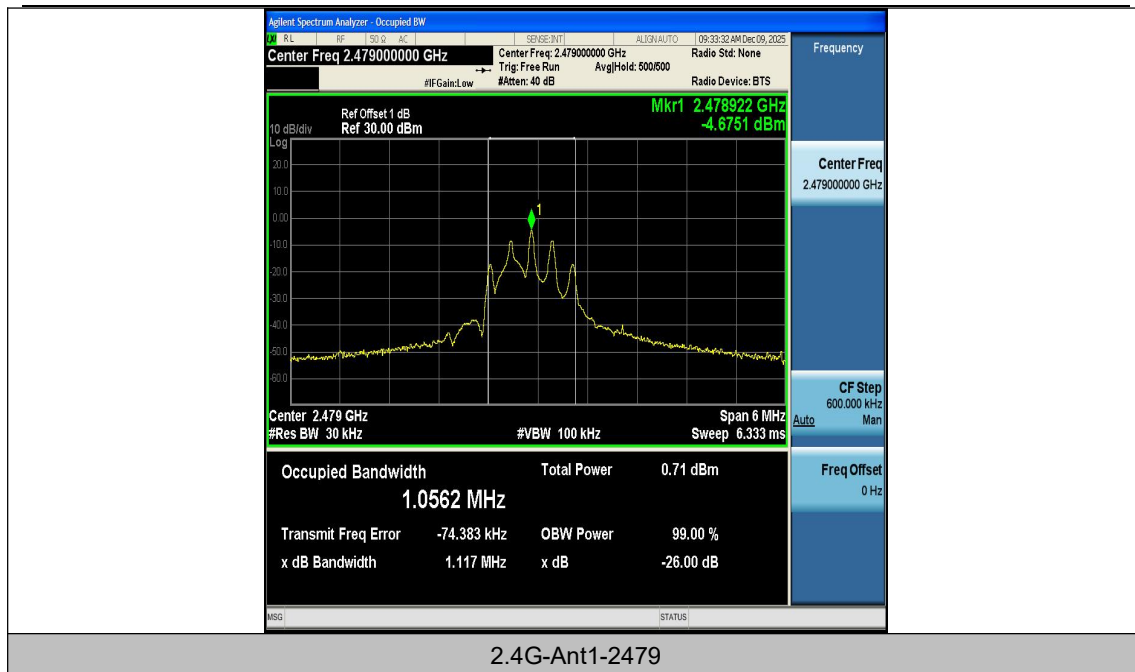
Test Graphs



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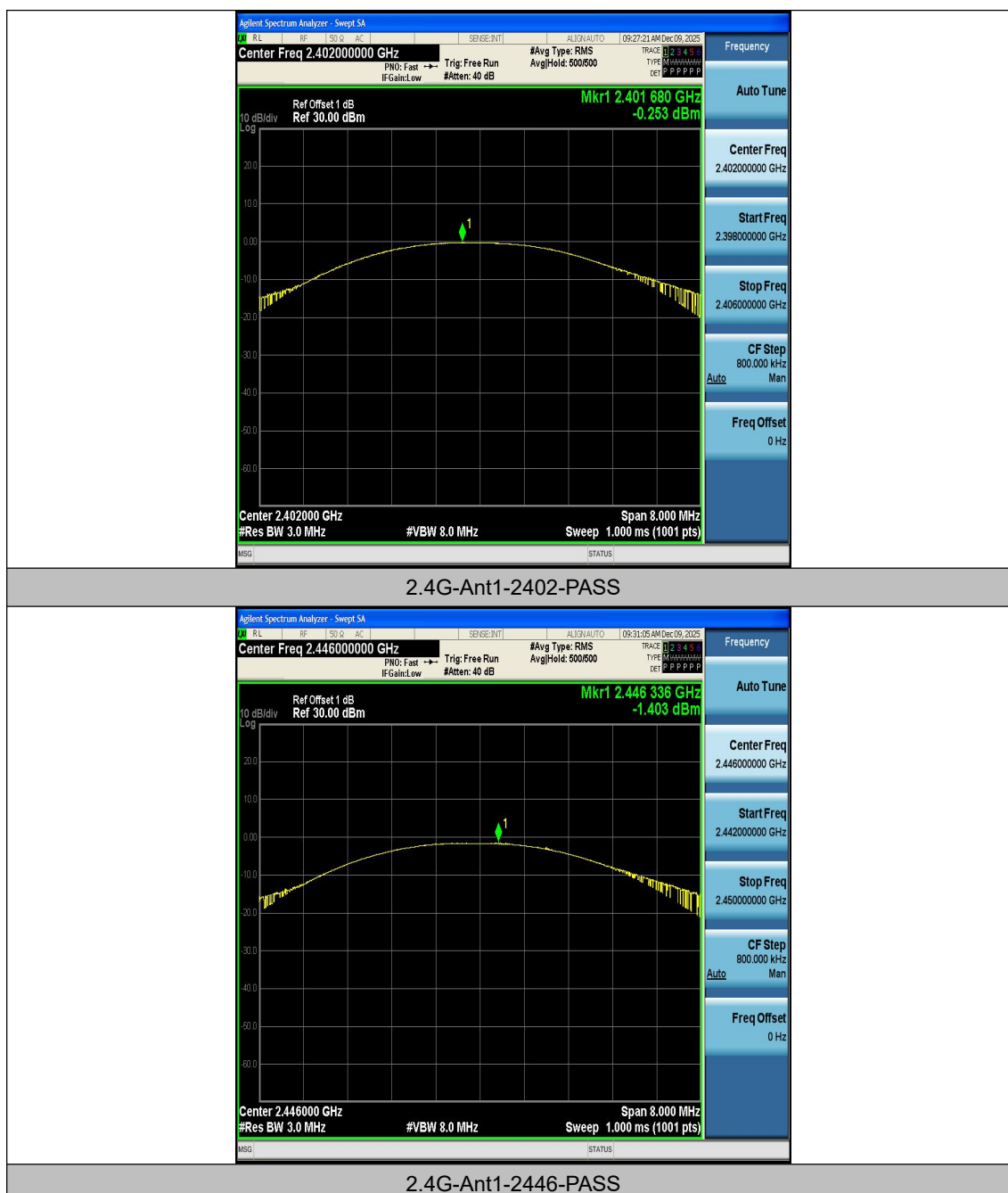
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Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2402	-0.25	≤30	PASS
2.4G	Ant1	2446	-1.40	≤30	PASS
2.4G	Ant1	2479	-1.42	≤30	PASS

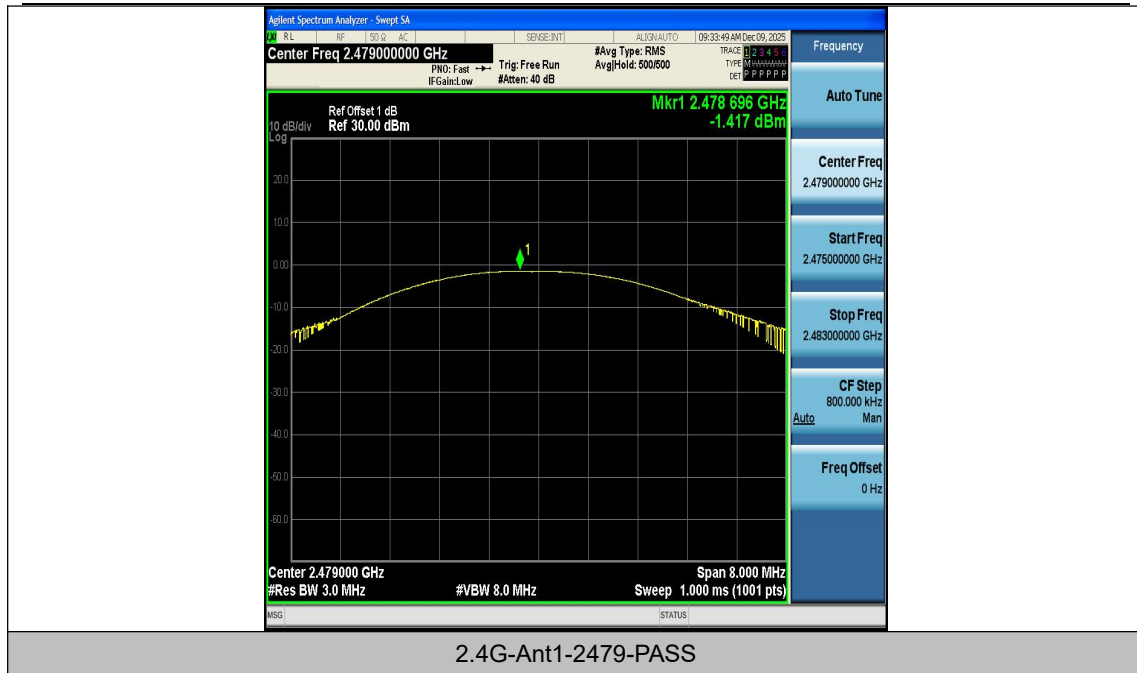
Test Graphs



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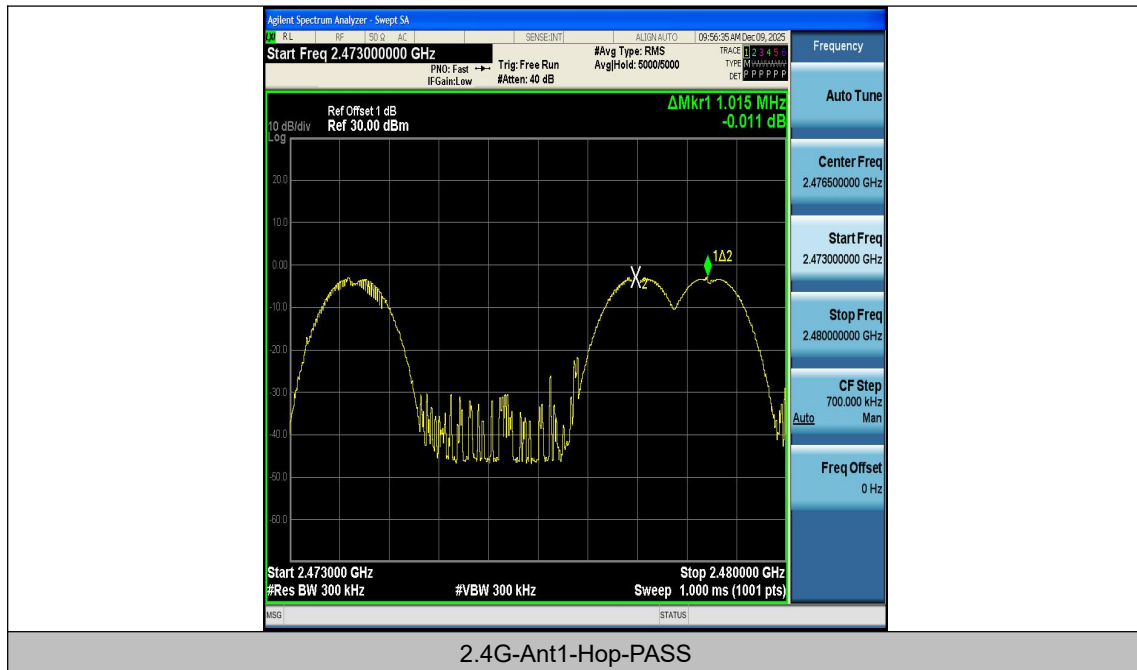
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
2.4G	ANT1	Hop	1.015	>0.724	PASS

Test Graphs



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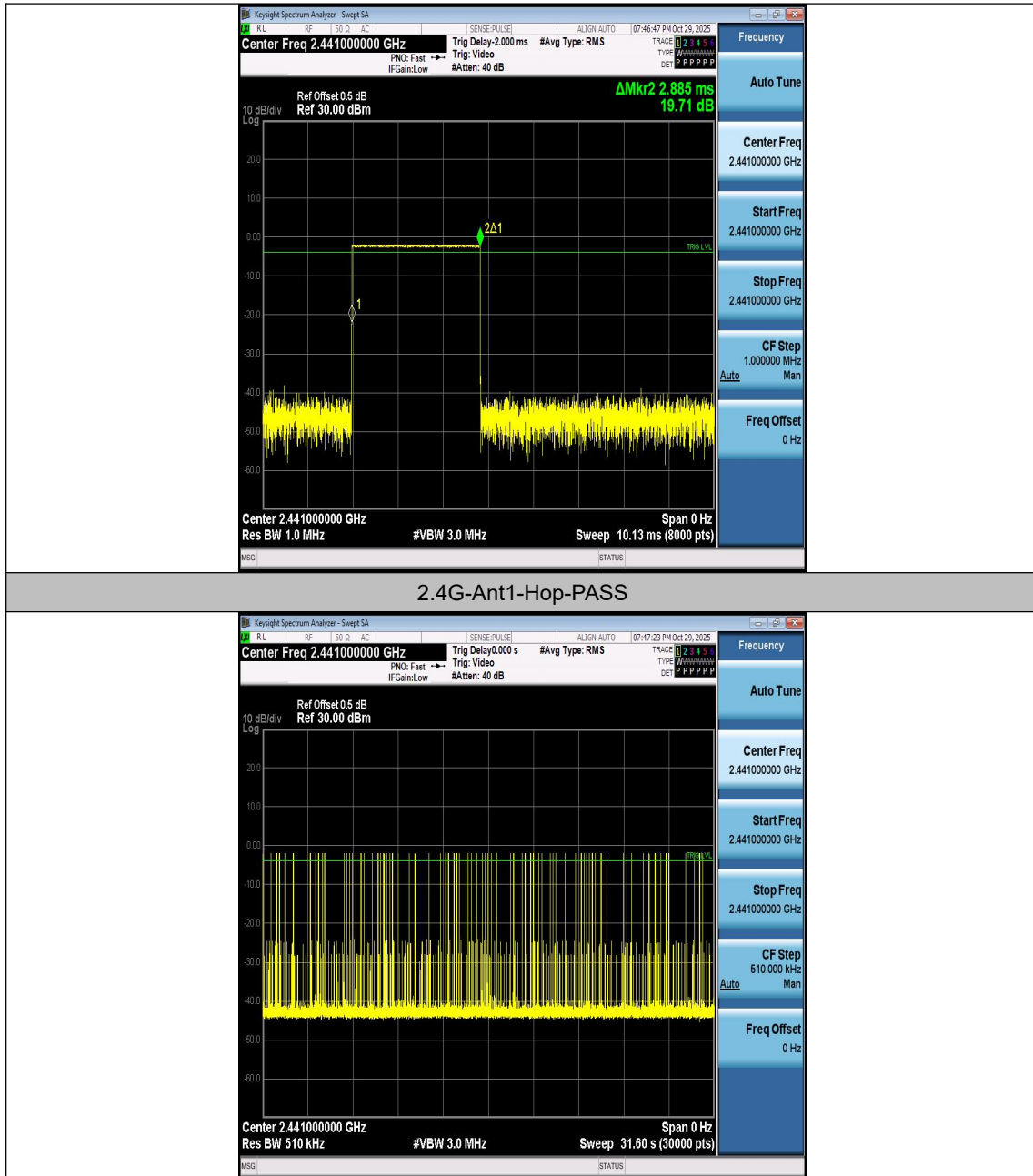
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	2.885	106	0.306	≤0.4	PASS

Test Graphs



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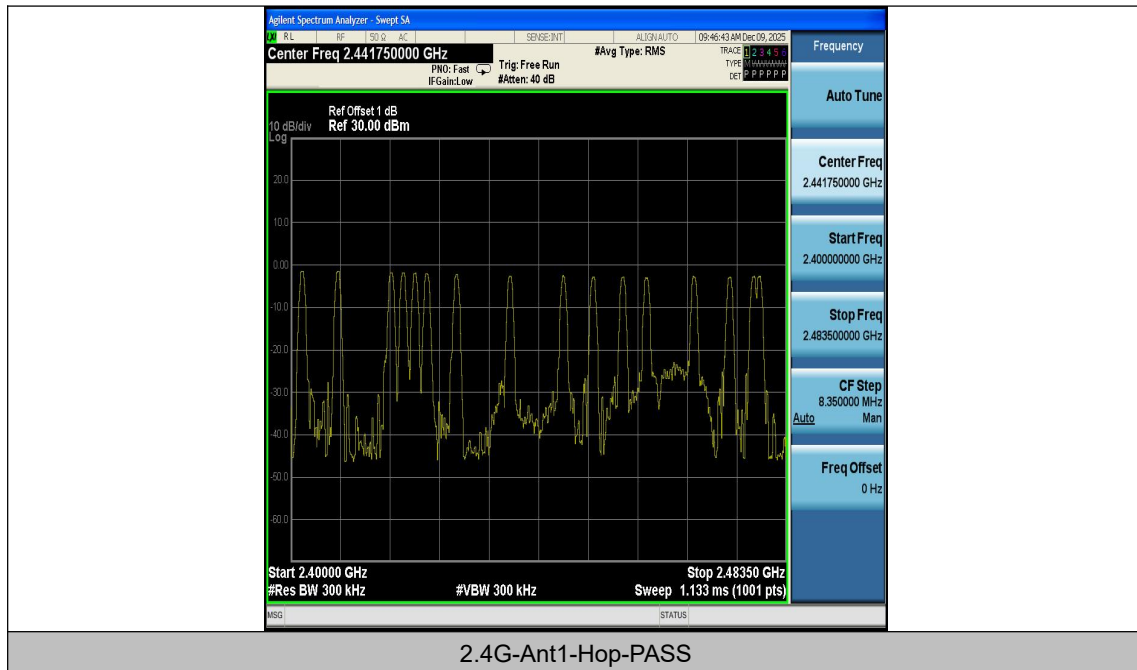
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Appendix F: Number of Hopping Channel

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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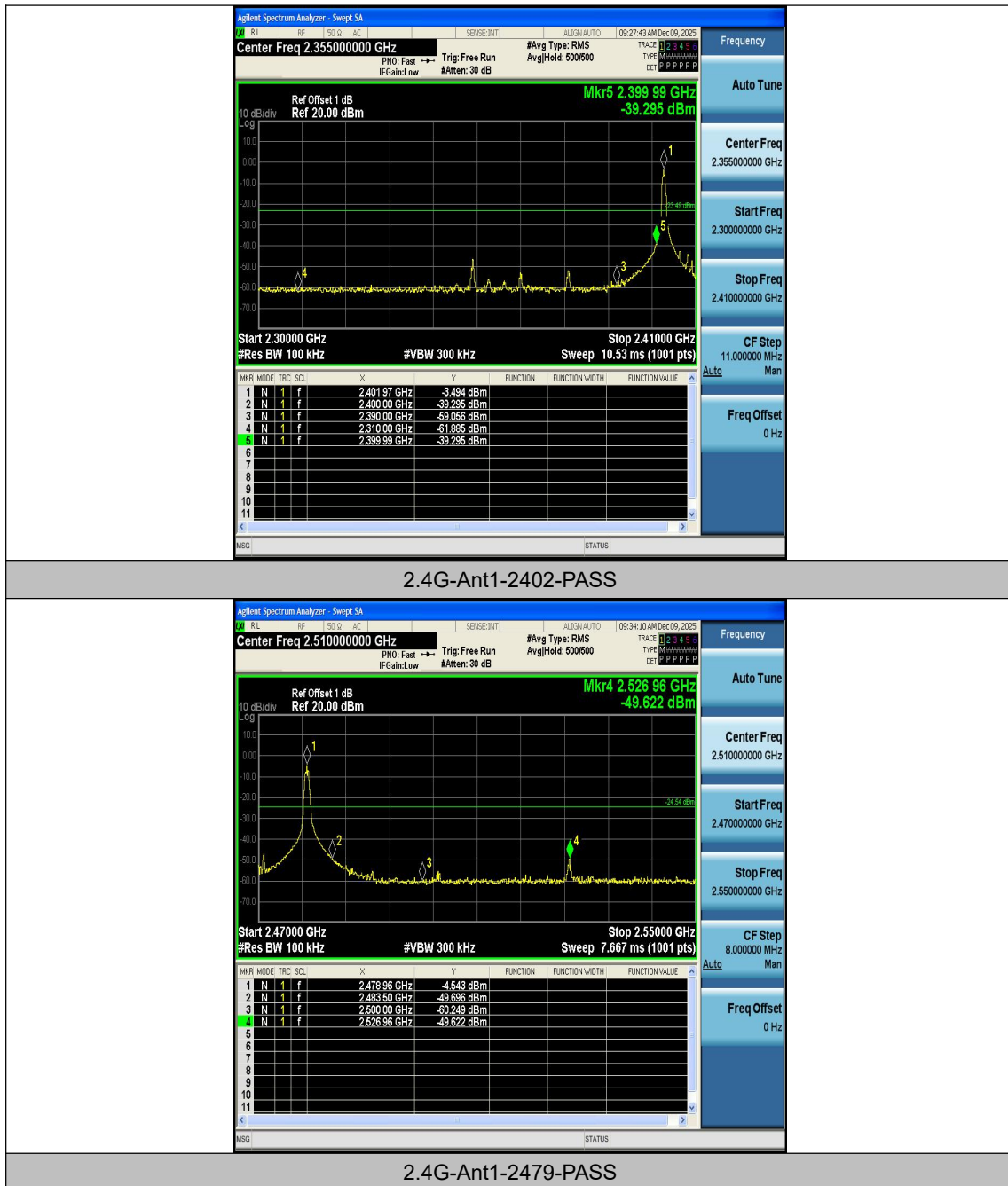
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Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2402	-3.49	-39.3	≤-23.49	PASS
2.4G	Ant1	High	2479	-4.54	-49.62	≤-24.54	PASS
2.4G	Ant1	Low	Hop	-3.84	-41.95	≤-23.84	PASS
2.4G	Ant1	High	Hop	-3.63	-50.28	≤-23.63	PASS

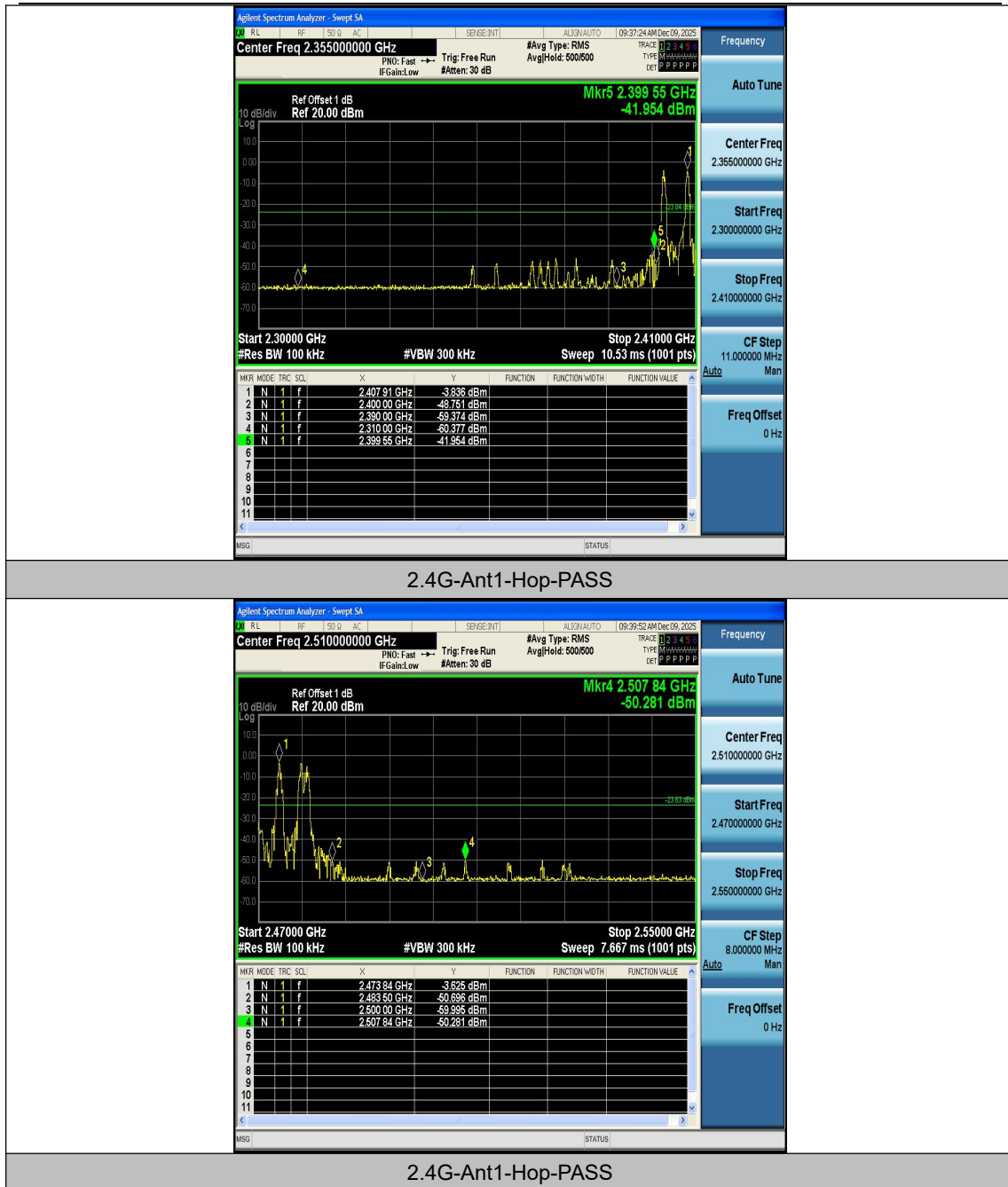
Test Graphs



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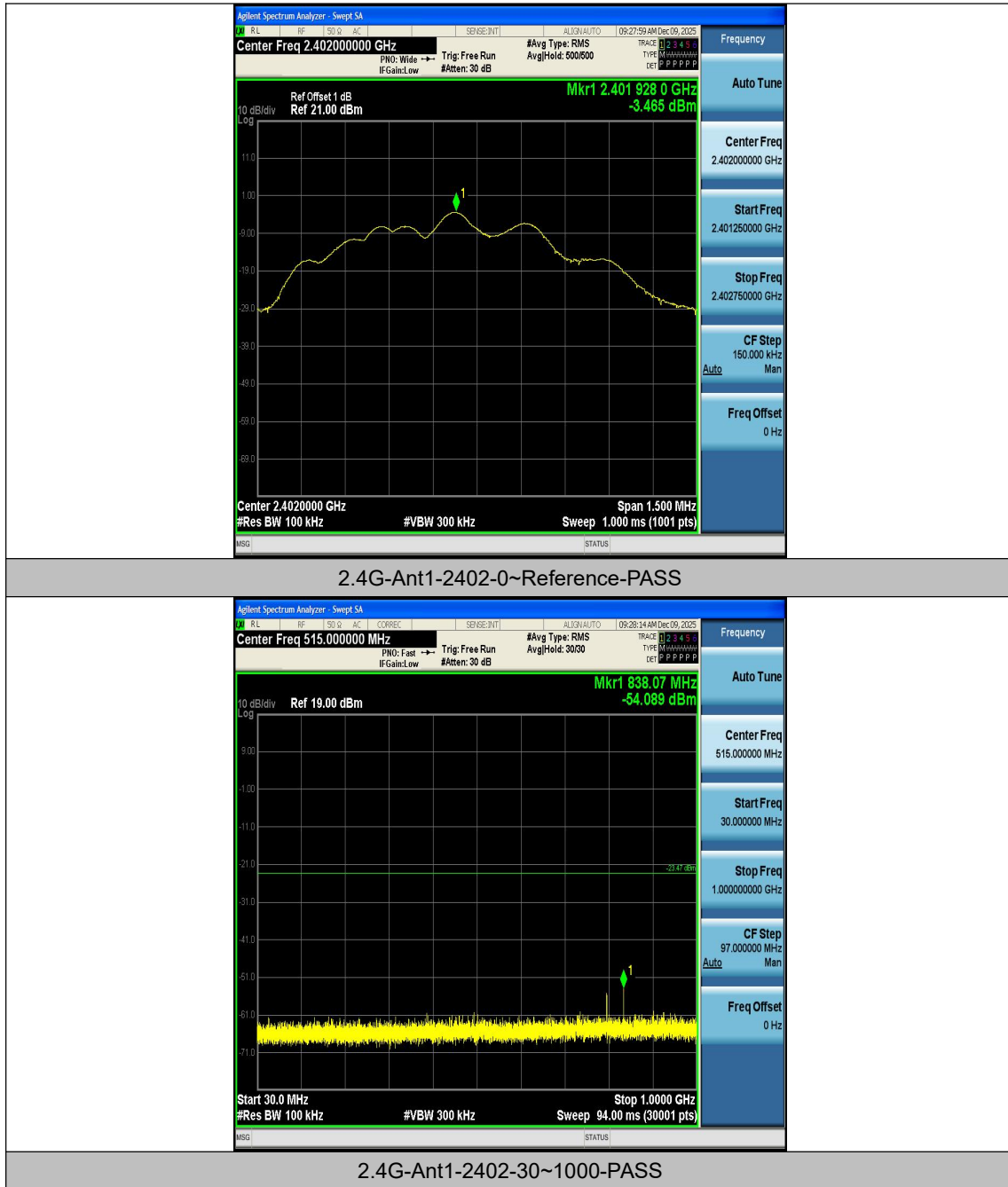
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2402	0~Reference	-3.47	-3.47	---	PASS
2.4G	Ant1	2402	30~1000	-3.47	-54.09	≤-23.47	PASS
2.4G	Ant1	2402	1000~26500	-3.47	-34.4	≤-23.47	PASS
2.4G	Ant1	2446	0~Reference	-4.76	-4.76	---	PASS
2.4G	Ant1	2446	30~1000	-4.76	-51.79	≤-24.76	PASS
2.4G	Ant1	2446	1000~26500	-4.76	-35.7	≤-24.76	PASS
2.4G	Ant1	2479	0~Reference	-4.50	-4.50	---	PASS
2.4G	Ant1	2479	30~1000	-4.50	-57.05	≤-24.5	PASS
2.4G	Ant1	2479	1000~26500	-4.50	-38.2	≤-24.5	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.

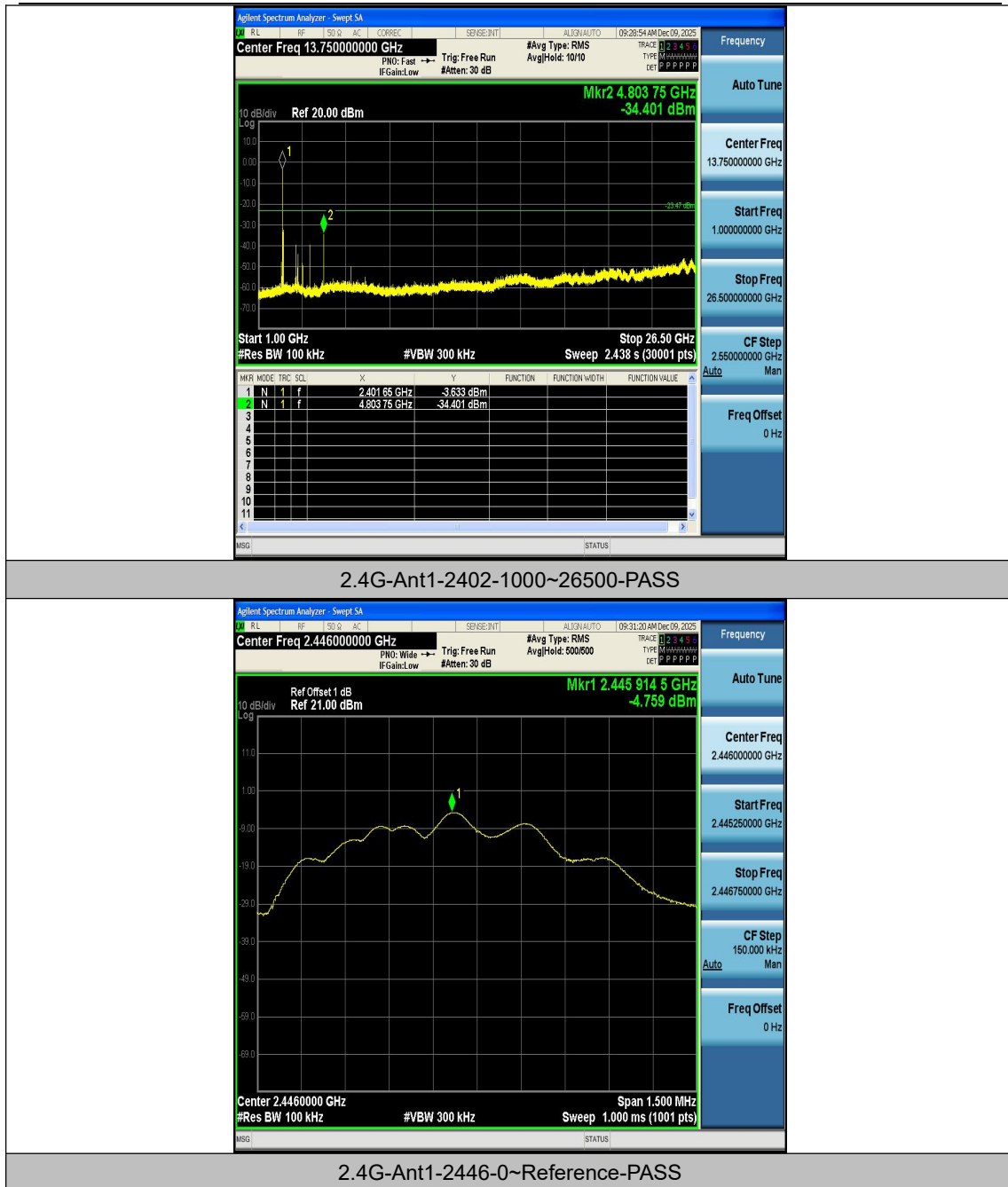
Test Graphs



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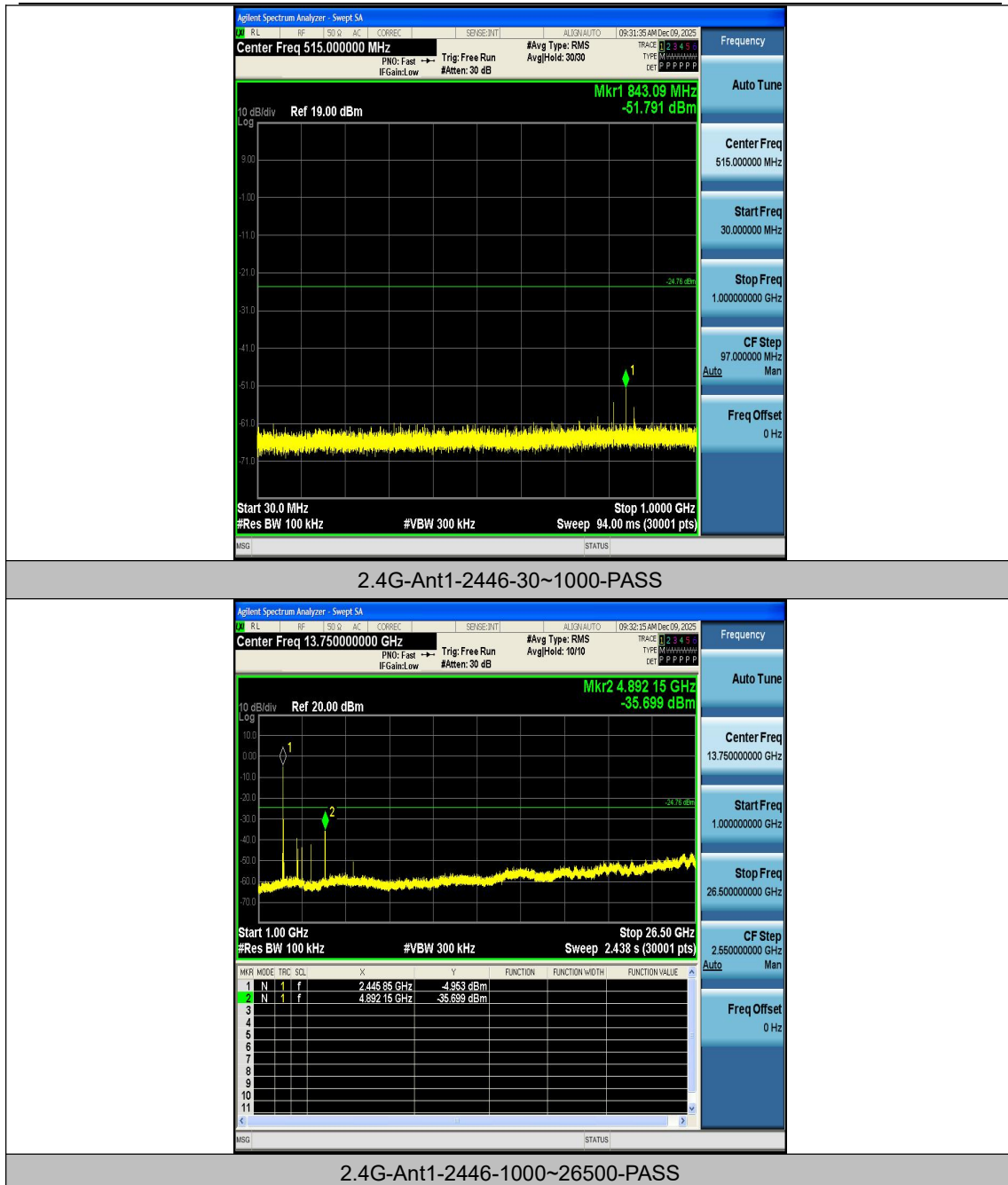
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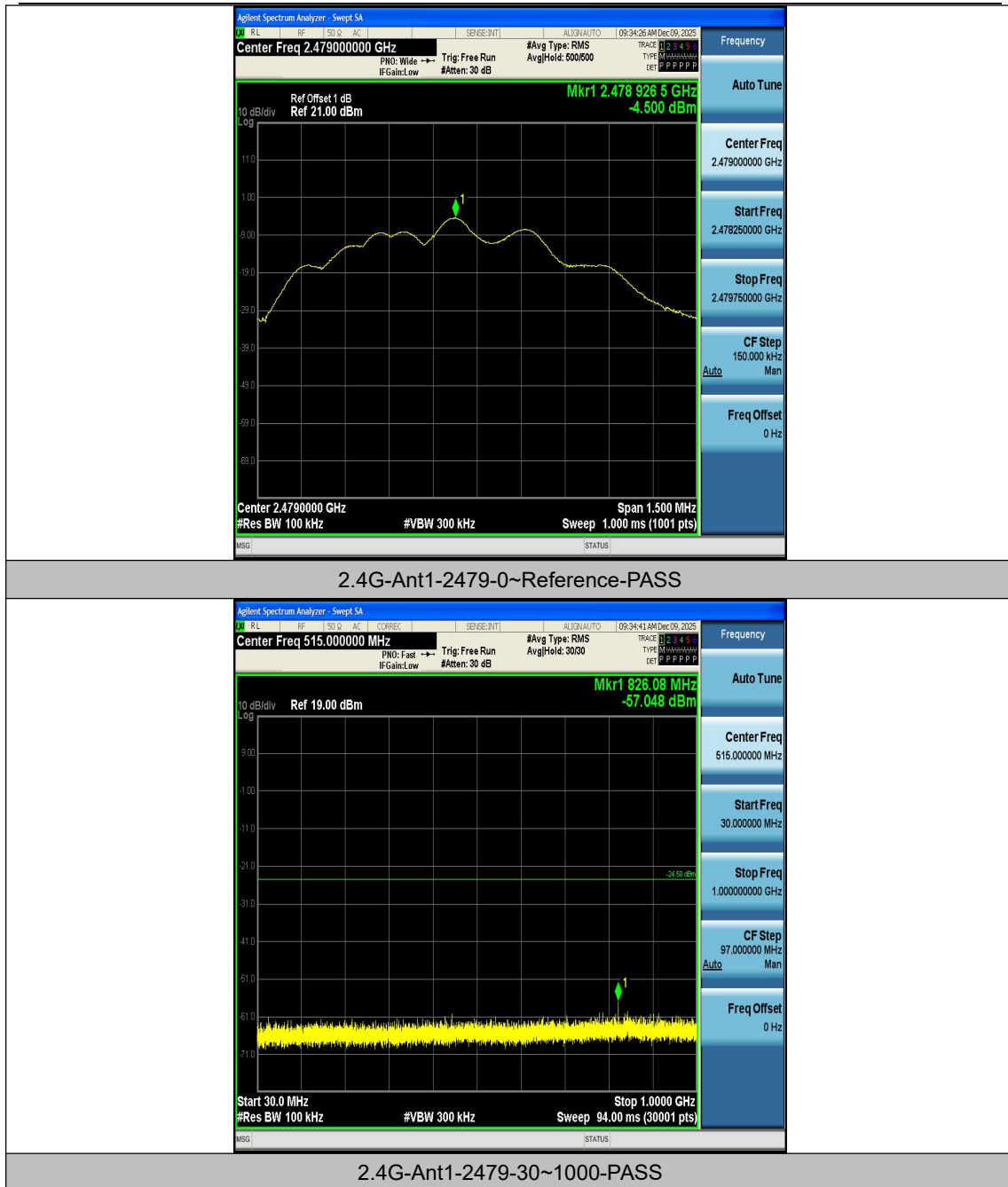
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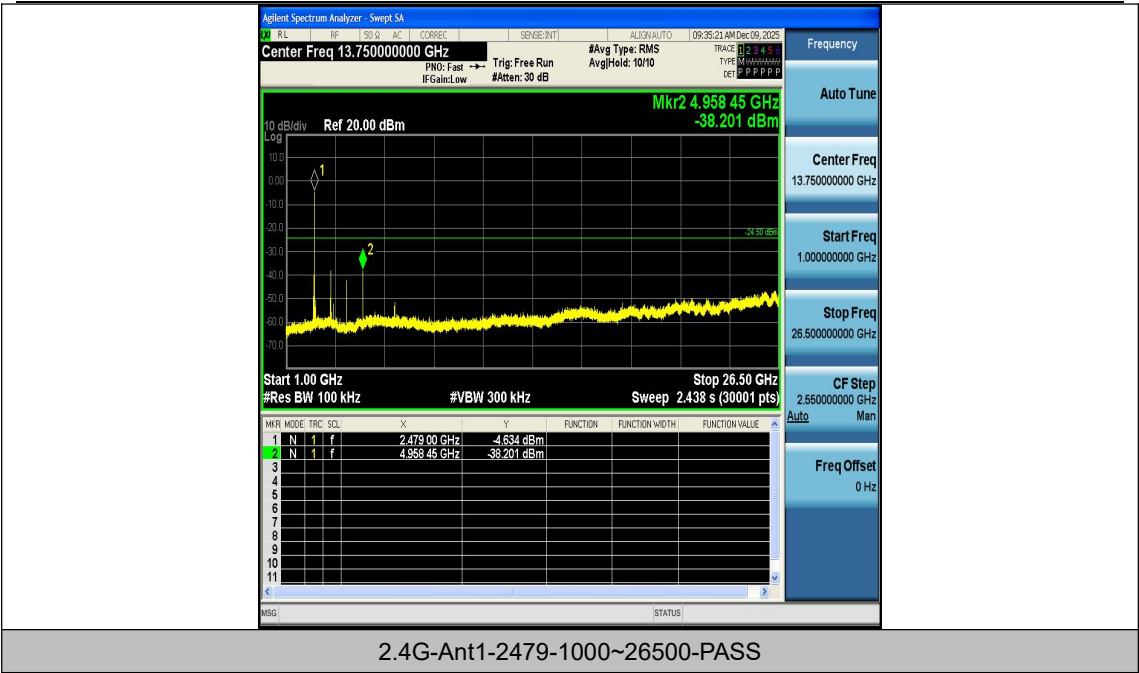
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2.4G-Ant1-2479-1000~26500-PASS

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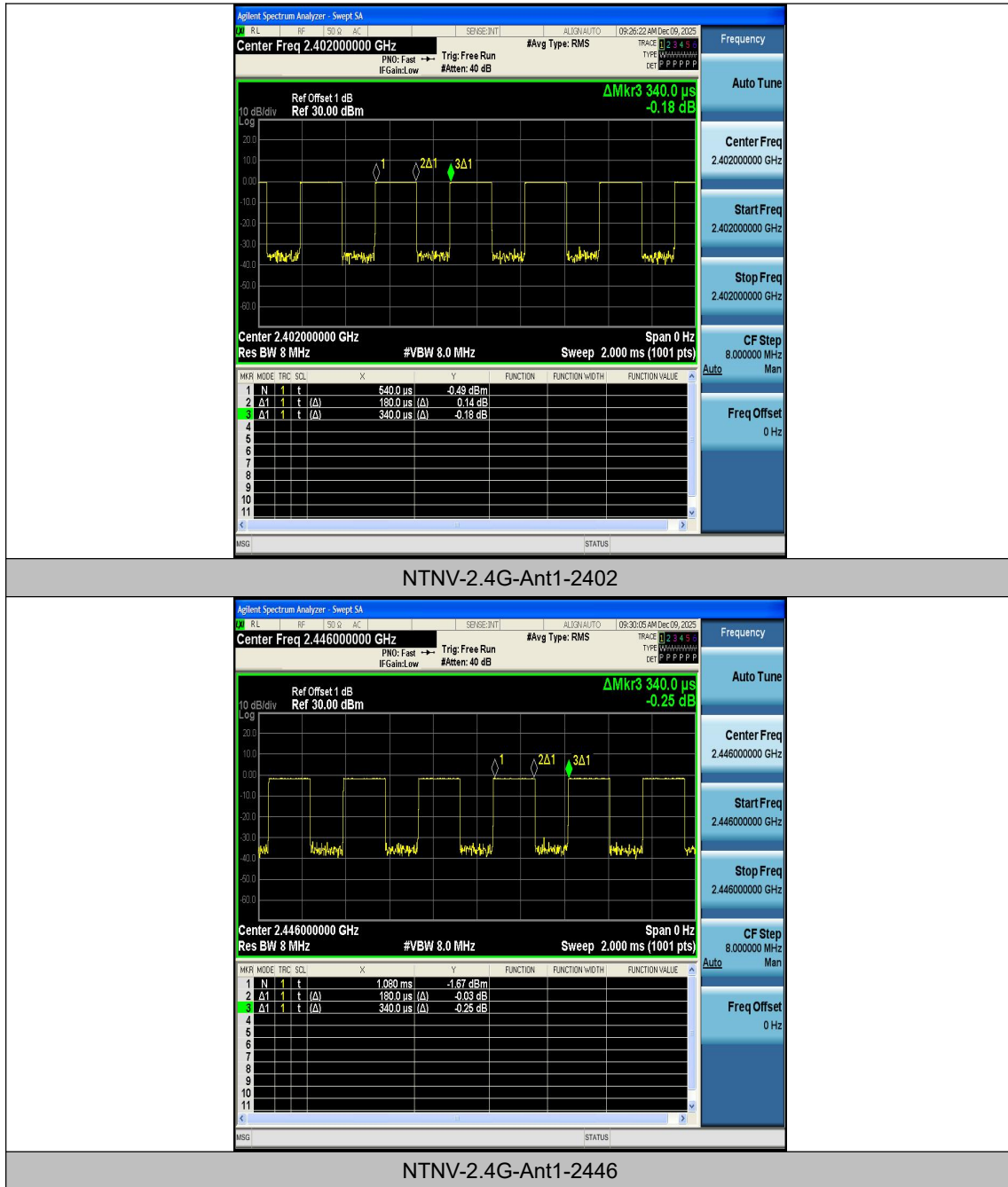
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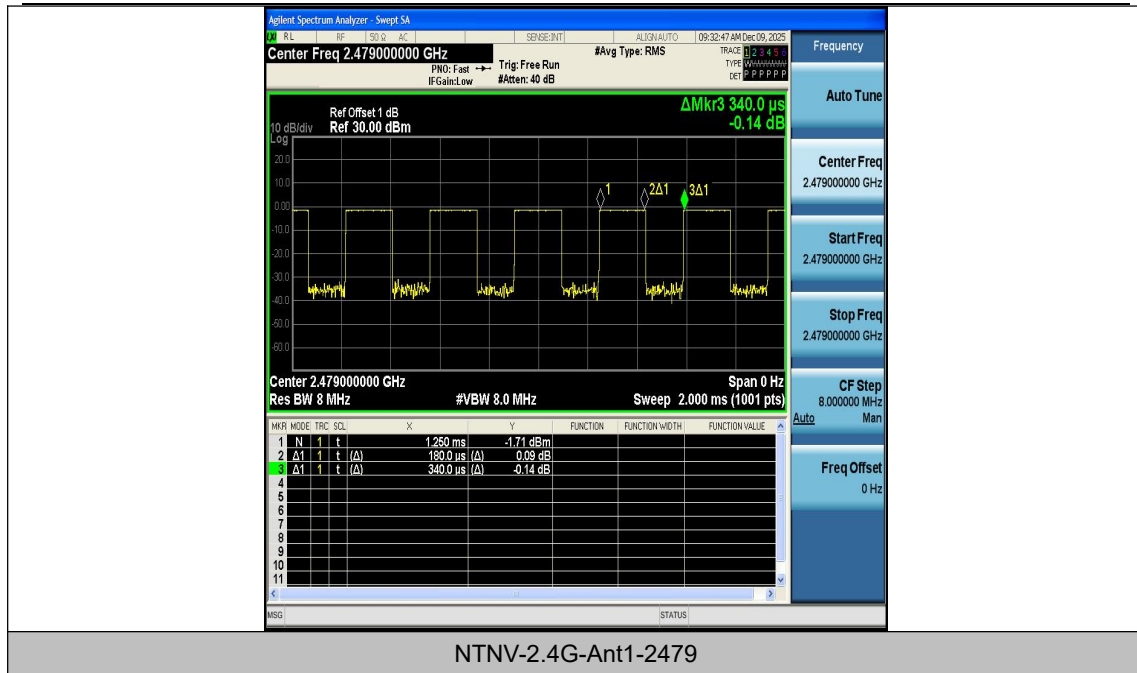
Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2402	0.18	0.34	52.94	2.76
2.4G	Ant1	2446	0.18	0.34	52.94	2.76
2.4G	Ant1	2479	0.18	0.34	52.94	2.76

Test Graphs





NTNV-2.4G-Ant1-2479

---End---