

Appendix Test Data

Report No.:	1812C50677212501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-12-19	Finish Test Date:	2025-12-19
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.8°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	0.951	2401.433	2402.384	---	---
2.4G	Ant1	2441	0.942	2440.433	2441.375	---	---
2.4G	Ant1	2480	0.939	2479.433	2480.372	---	---

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	2402	0.84587	2401.4676	2402.3134	---	---
2.4G	Ant1	2441	0.84972	2440.4694	2441.3191	---	---
2.4G	Ant1	2480	0.85252	2479.4637	2480.3163	---	---

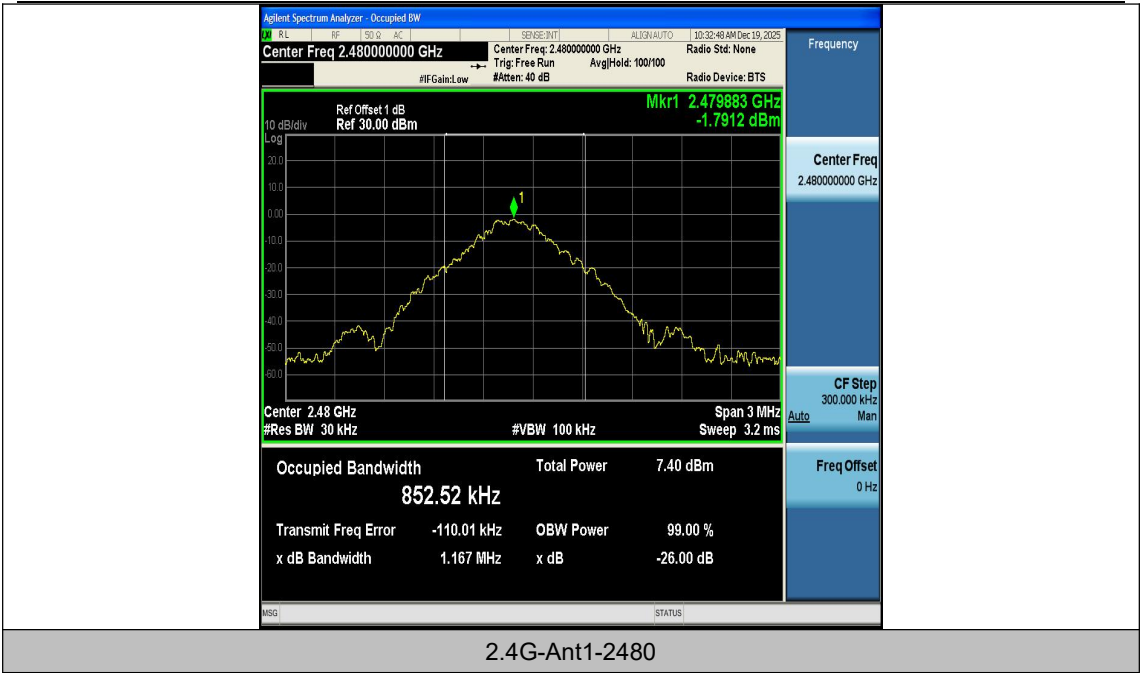
Test Graphs



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2.4G-Ant1-2480

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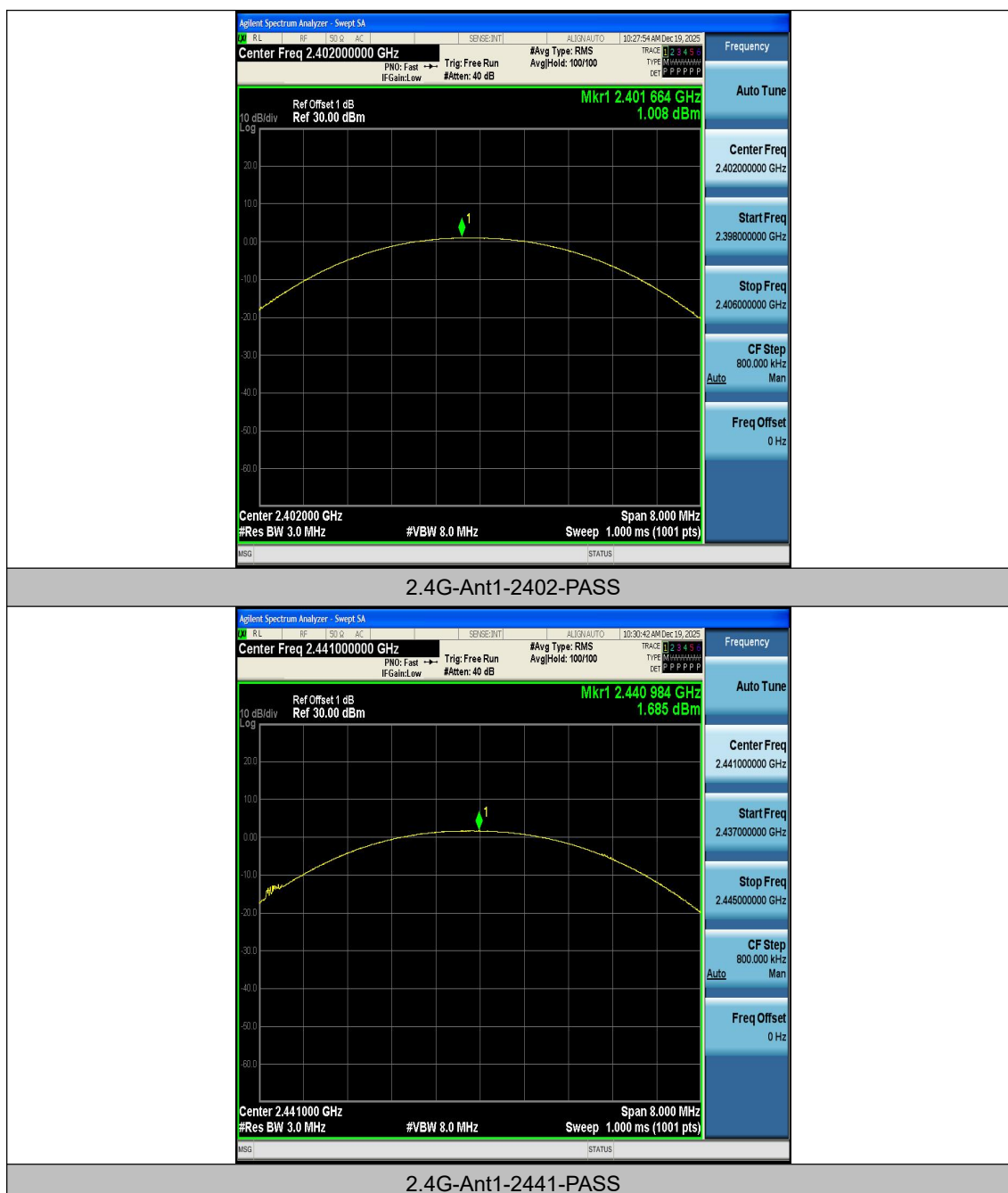
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Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2402	1.01	≤30	PASS
2.4G	Ant1	2441	1.69	≤30	PASS
2.4G	Ant1	2480	1.26	≤30	PASS

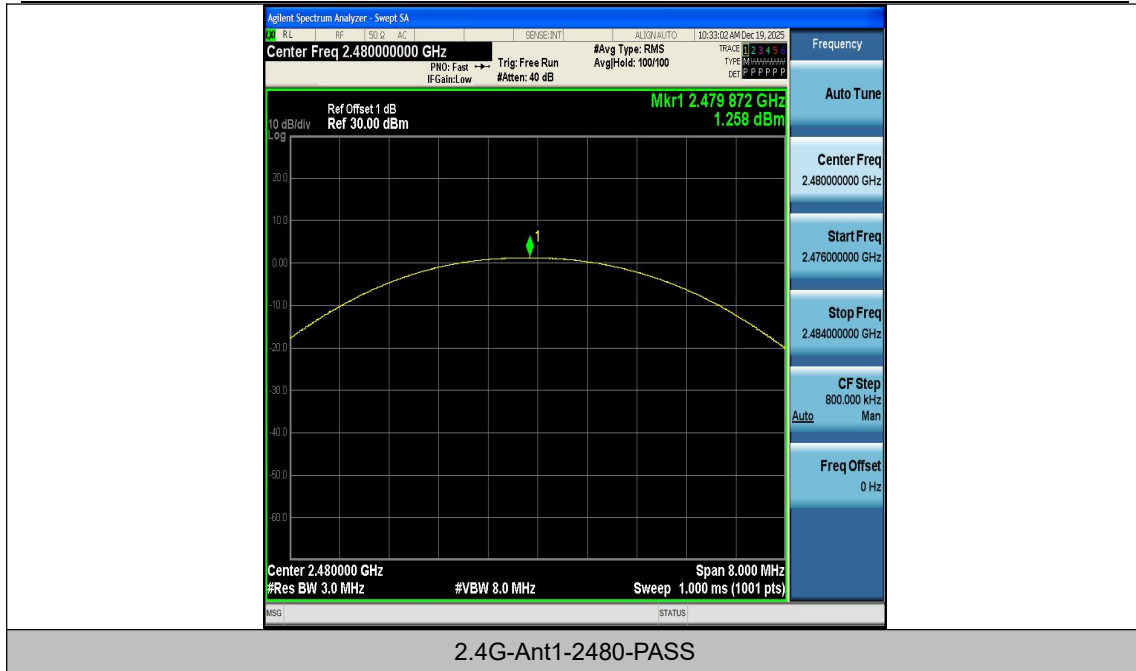
Test Graphs



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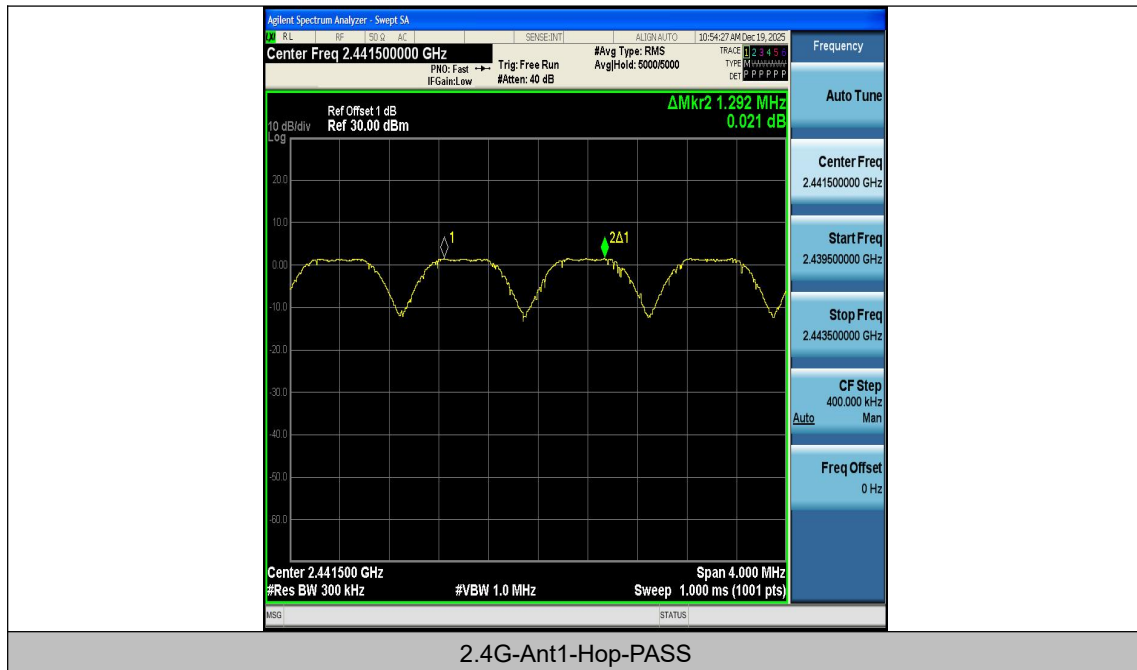
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
2.4G	ANT1	Hop	1.292	>0.951	PASS

Test Graphs



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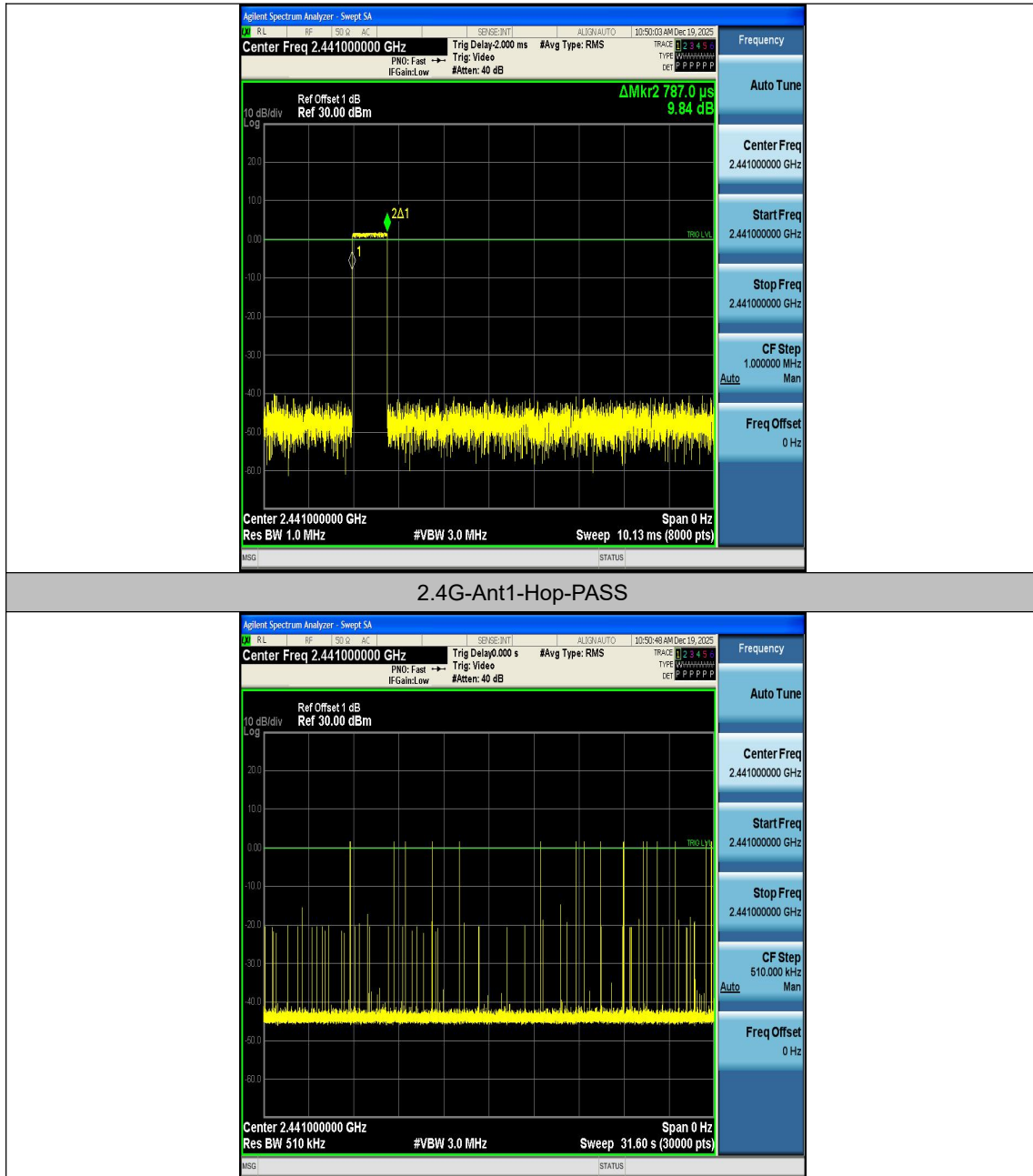
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	0.787	17	0.013	≤0.4	PASS

Test Graphs



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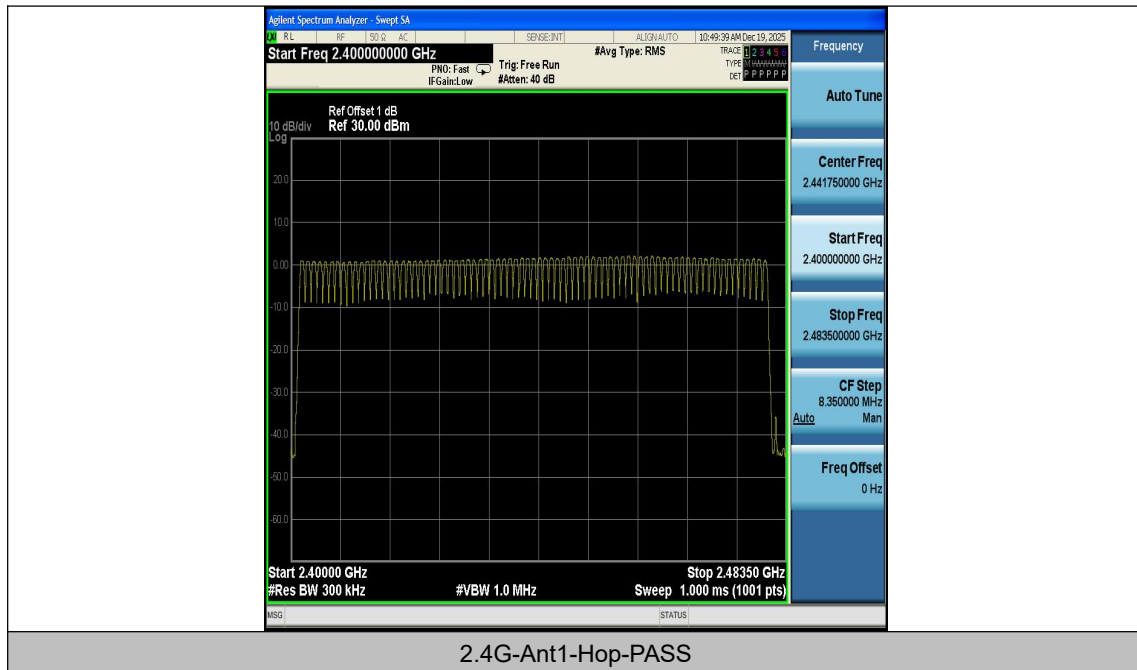
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Appendix F: Number of Hopping Channel

Test Result

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

Test Graphs



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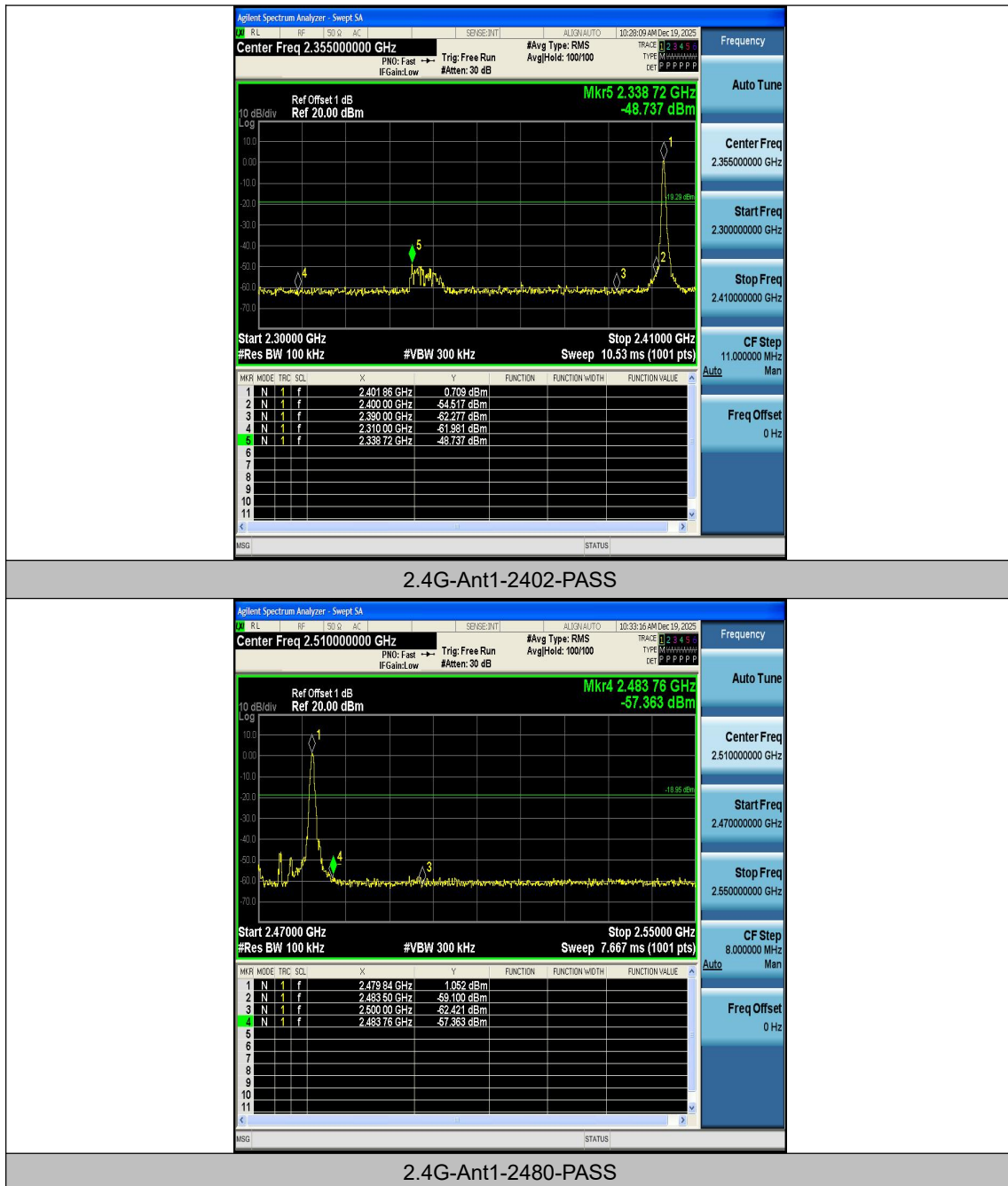
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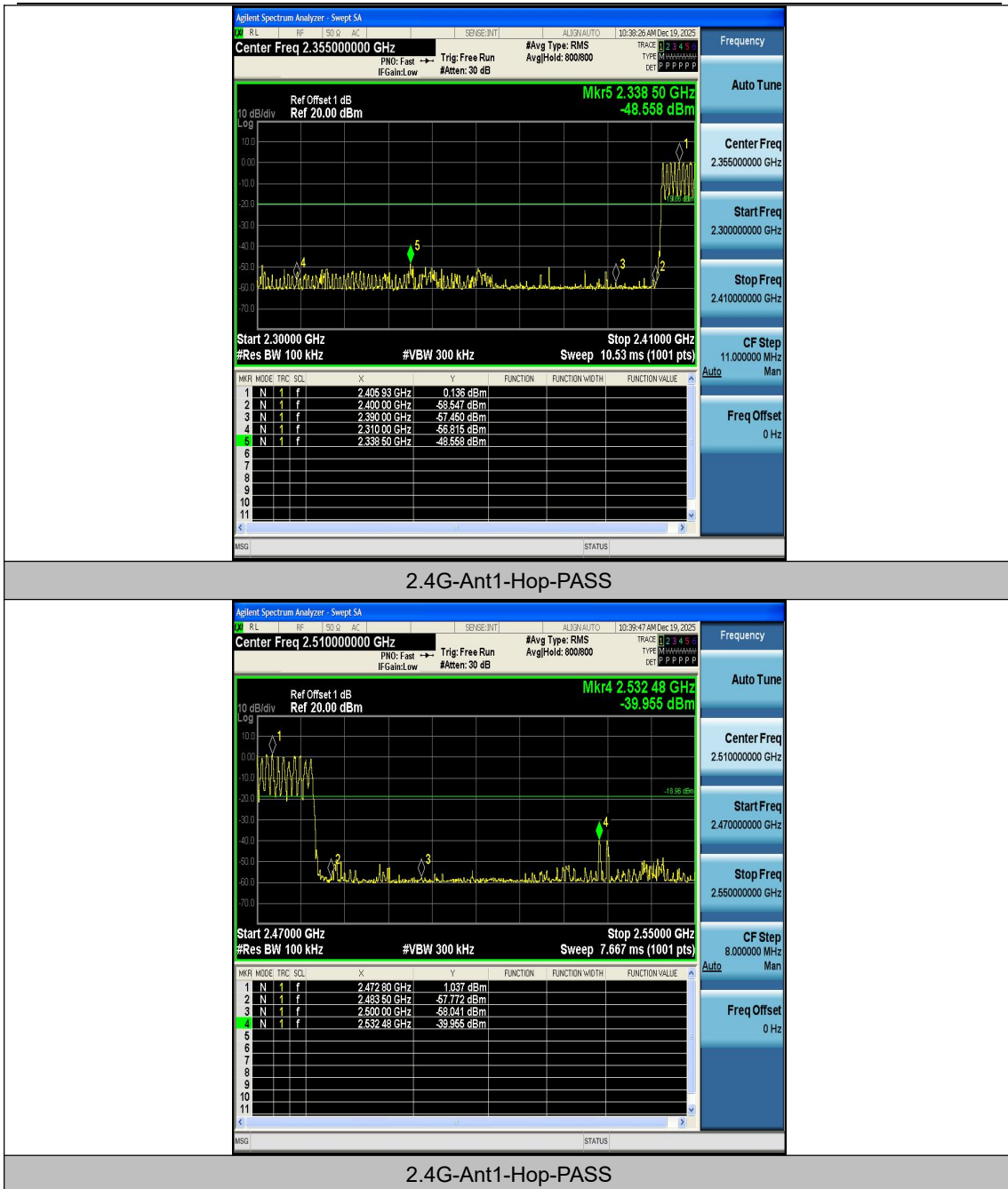
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2402	0.71	-48.74	≤-19.29	PASS
2.4G	Ant1	High	2480	1.05	-57.36	≤-18.95	PASS
2.4G	Ant1	Low	Hop	0.14	-48.56	≤-19.86	PASS
2.4G	Ant1	High	Hop	1.04	-39.96	≤-18.96	PASS

Test Graphs





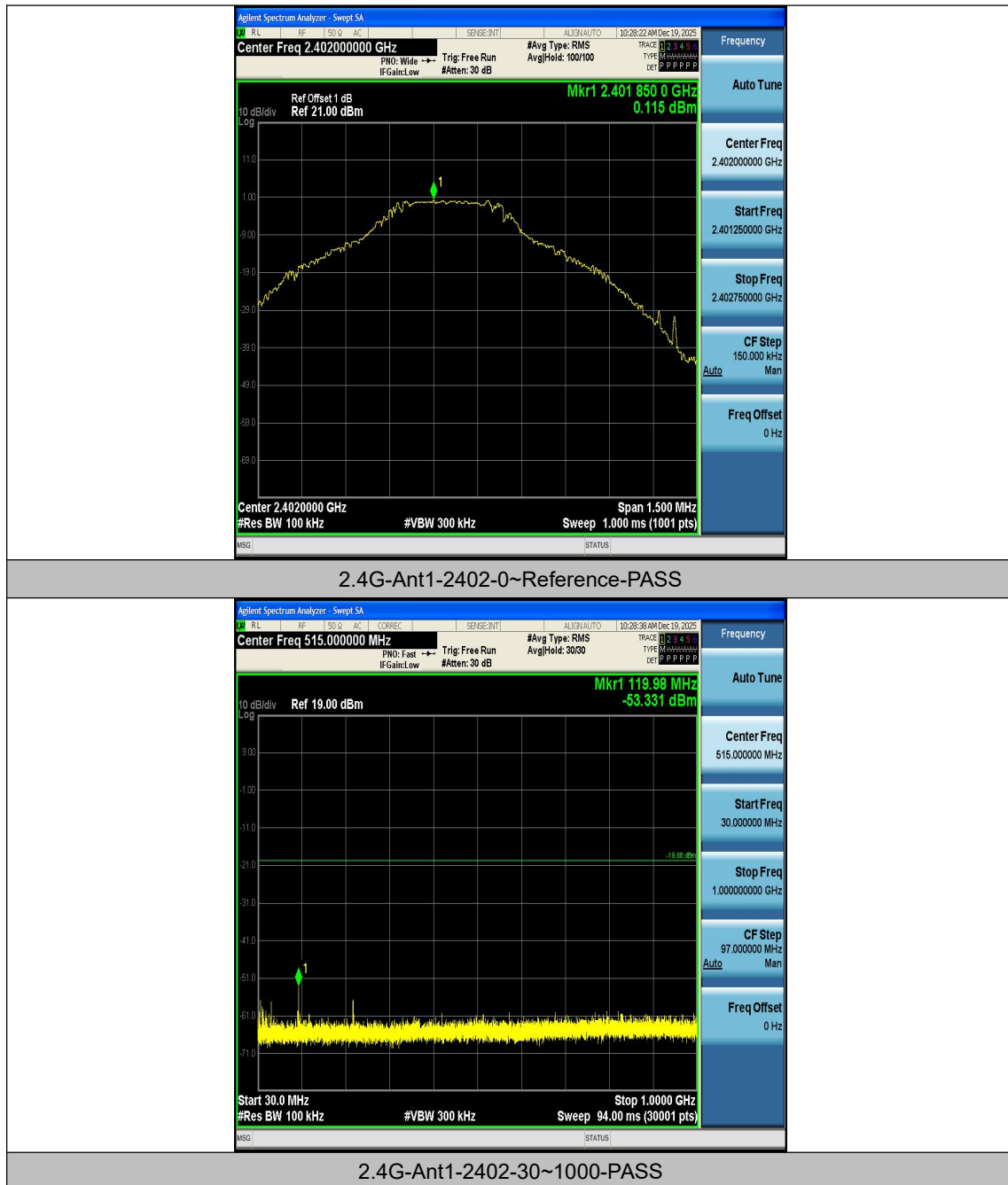
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2402	0~Reference	0.12	0.12	---	PASS
2.4G	Ant1	2402	30~1000	0.12	-53.33	≤-19.88	PASS
2.4G	Ant1	2402	1000~26500	0.12	-45.68	≤-19.88	PASS
2.4G	Ant1	2441	0~Reference	1.10	1.10	---	PASS
2.4G	Ant1	2441	30~1000	1.10	-43.21	≤-18.9	PASS
2.4G	Ant1	2441	1000~26500	1.10	-46.19	≤-18.9	PASS
2.4G	Ant1	2480	0~Reference	0.41	0.41	---	PASS
2.4G	Ant1	2480	30~1000	0.41	-53.42	≤-19.59	PASS
2.4G	Ant1	2480	1000~26500	0.41	-46.48	≤-19.59	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.

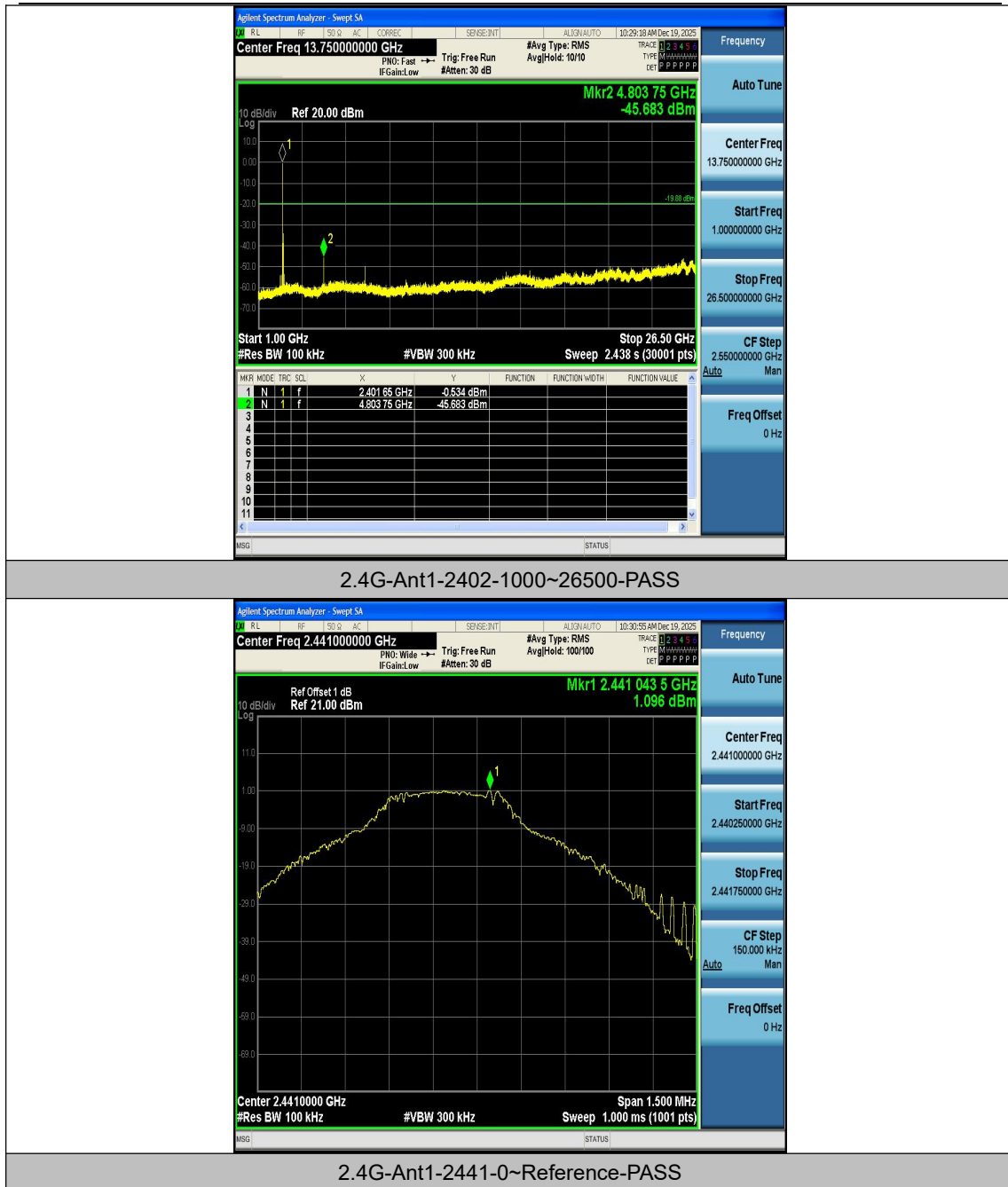
Test Graphs



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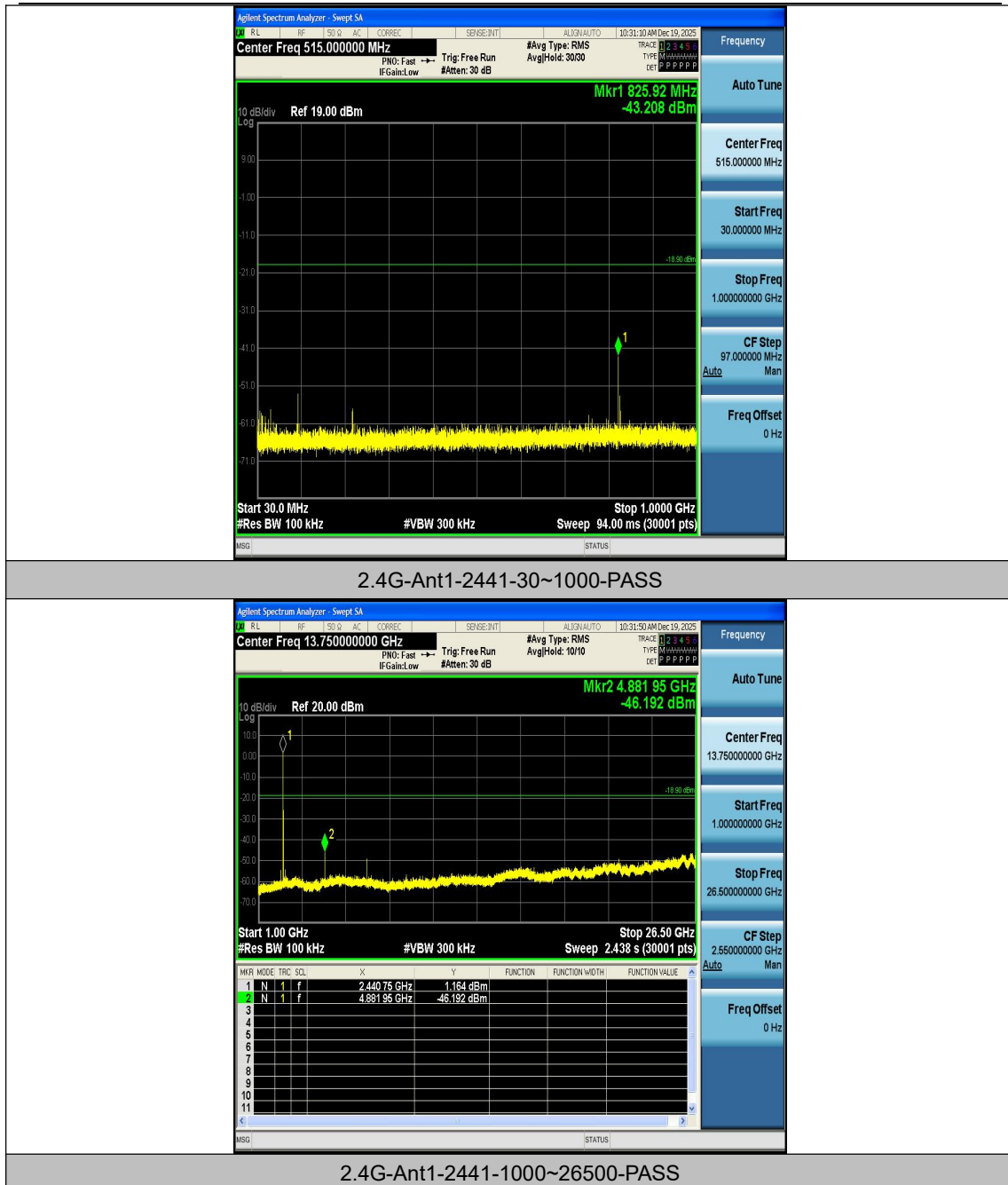
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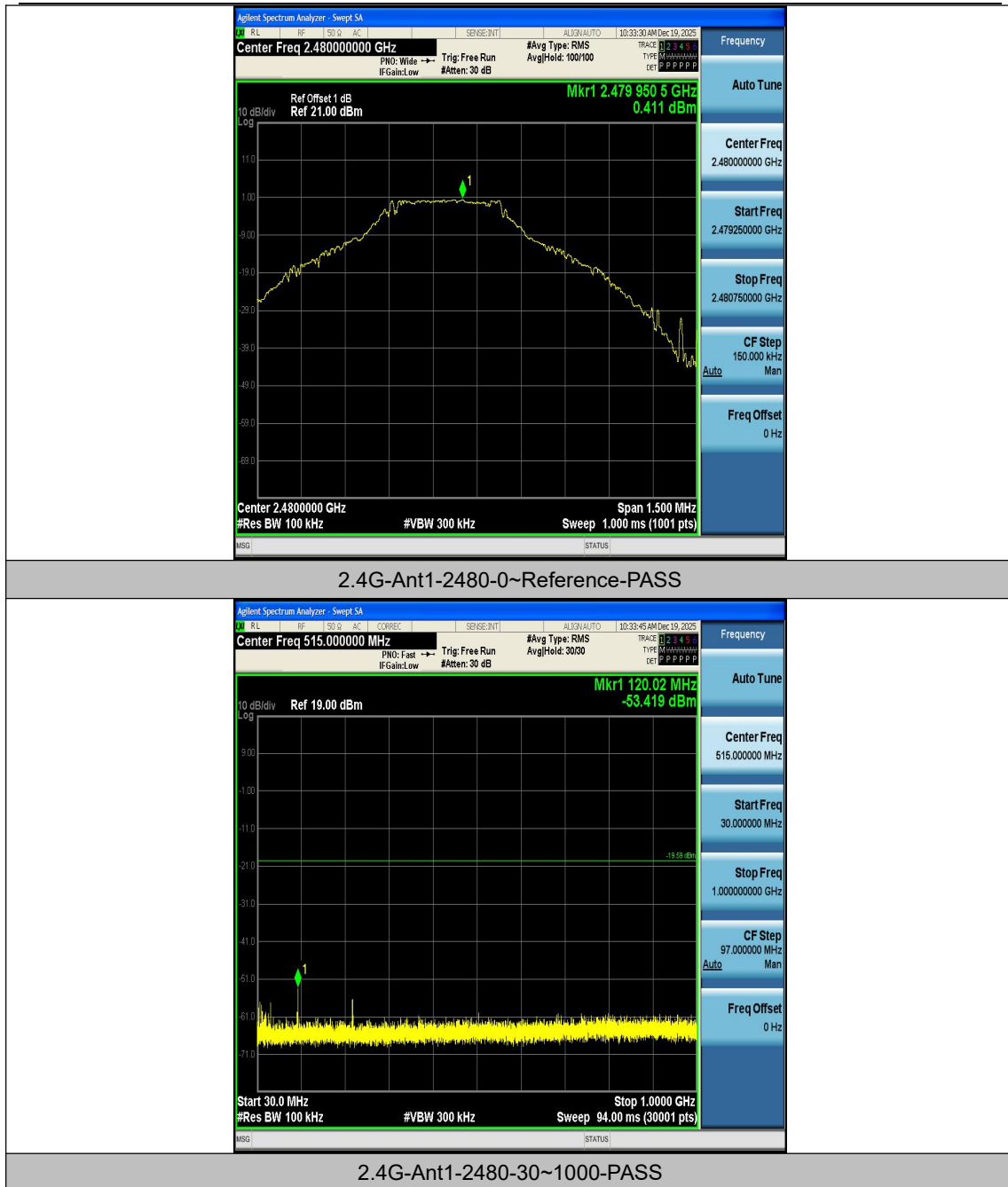
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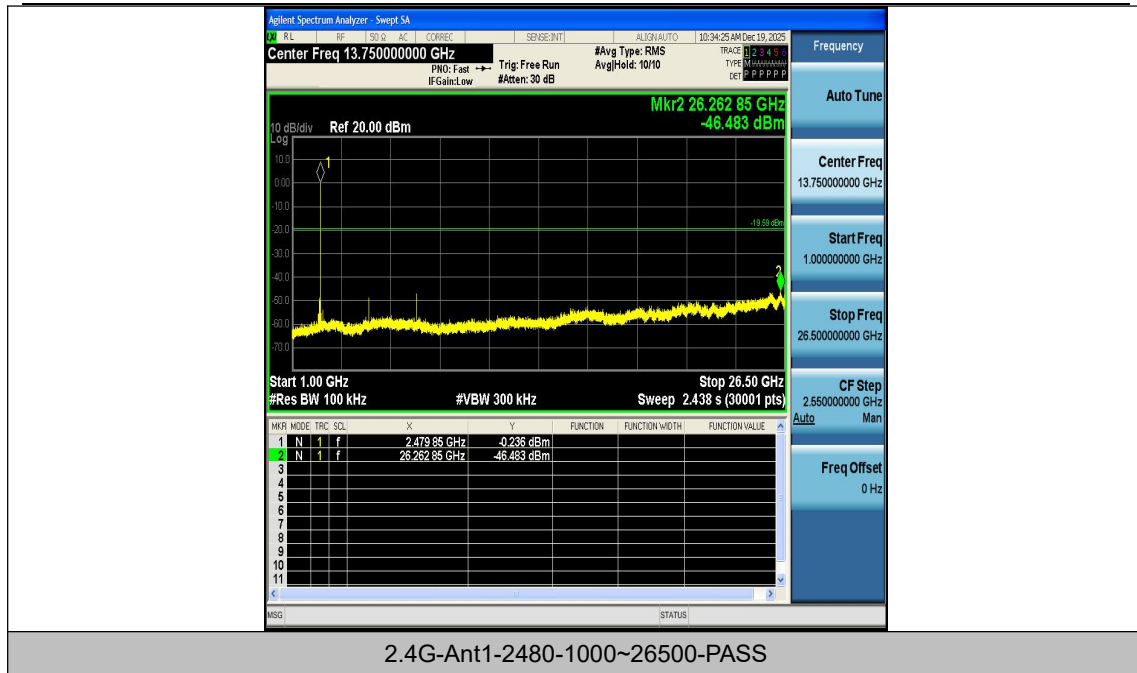
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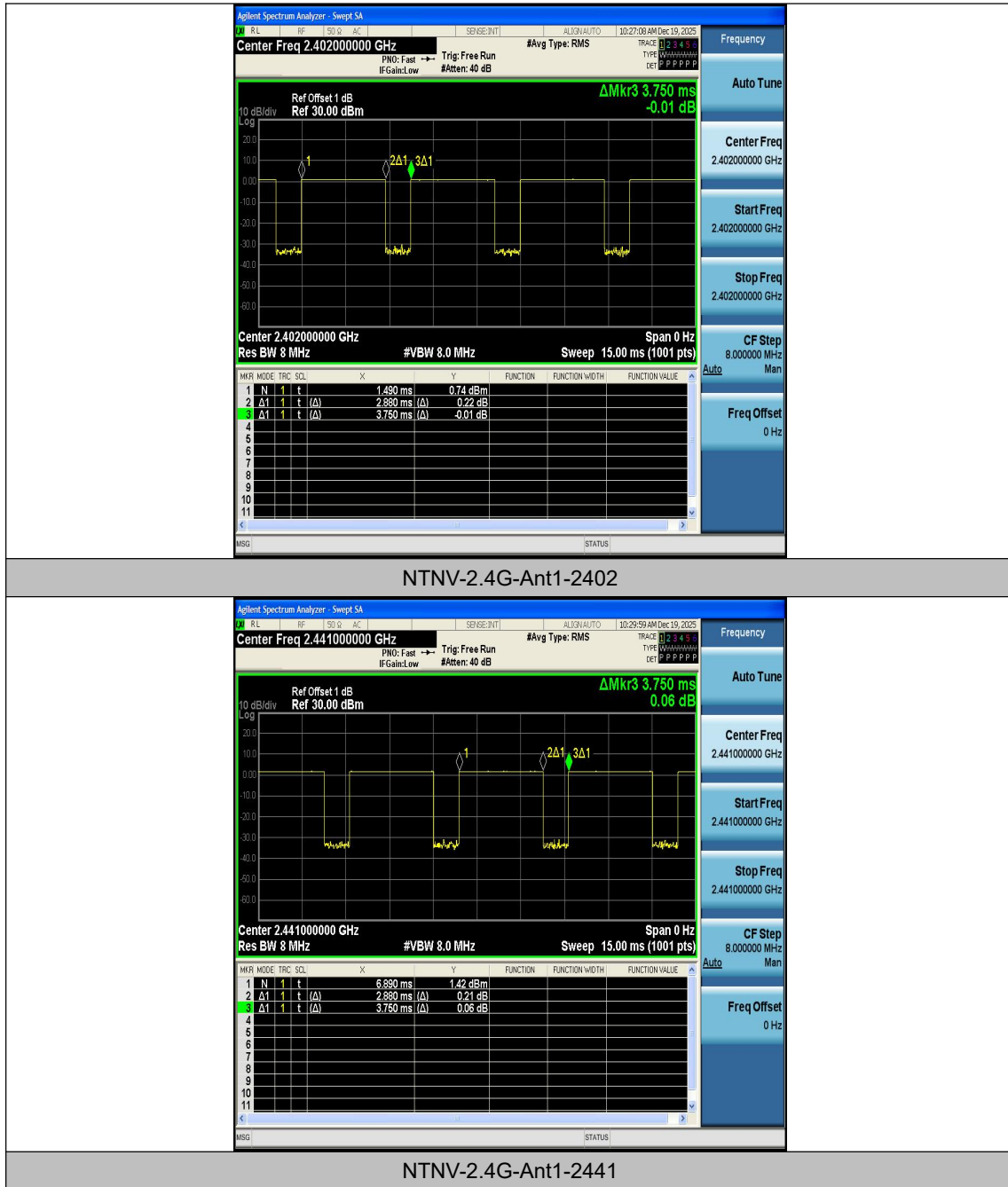
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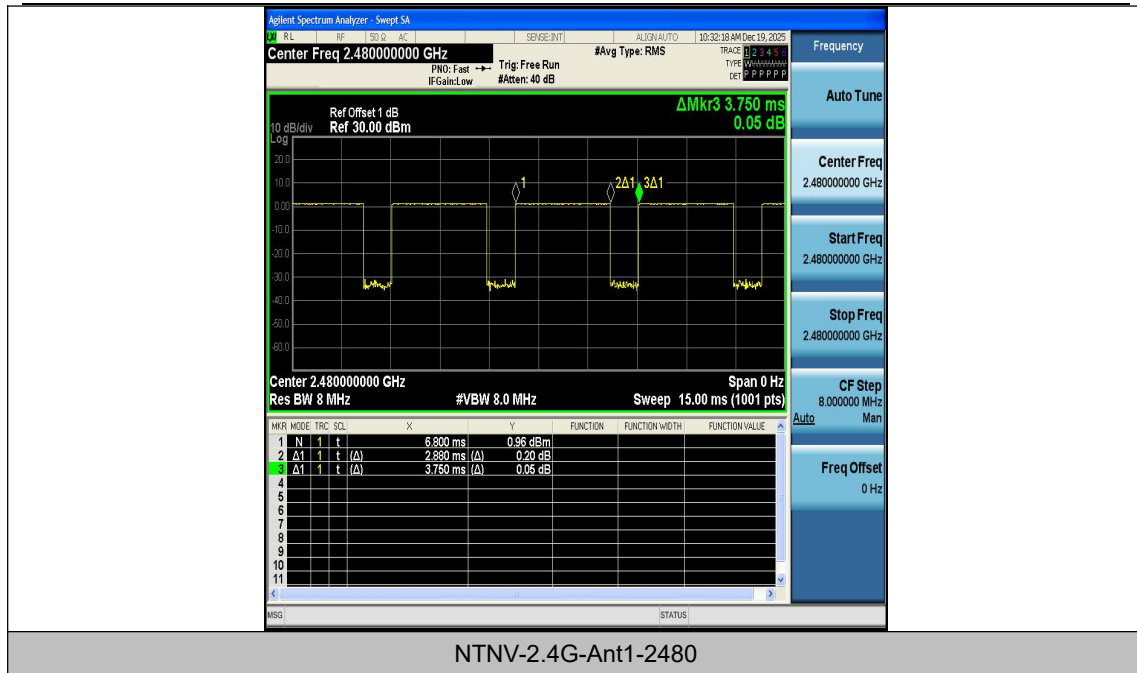
Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2402	2.88	3.75	76.80	1.15
2.4G	Ant1	2441	2.88	3.75	76.80	1.15
2.4G	Ant1	2480	2.88	3.75	76.80	1.15

Test Graphs





---End---