

Appendix Test Data

Report No.:	1812C50648212502-01	Test Sample No.:	1-2-2
Start Test Date:	2025-12-10	Finish Test Date:	2025-12-10
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.3°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	2.088	2402.028	2404.116	---	---
2.4G	Ant1	2441	2.100	2440.016	2442.116	---	---
2.4G	Ant1	2480	2.064	2479.034	2481.098	---	---

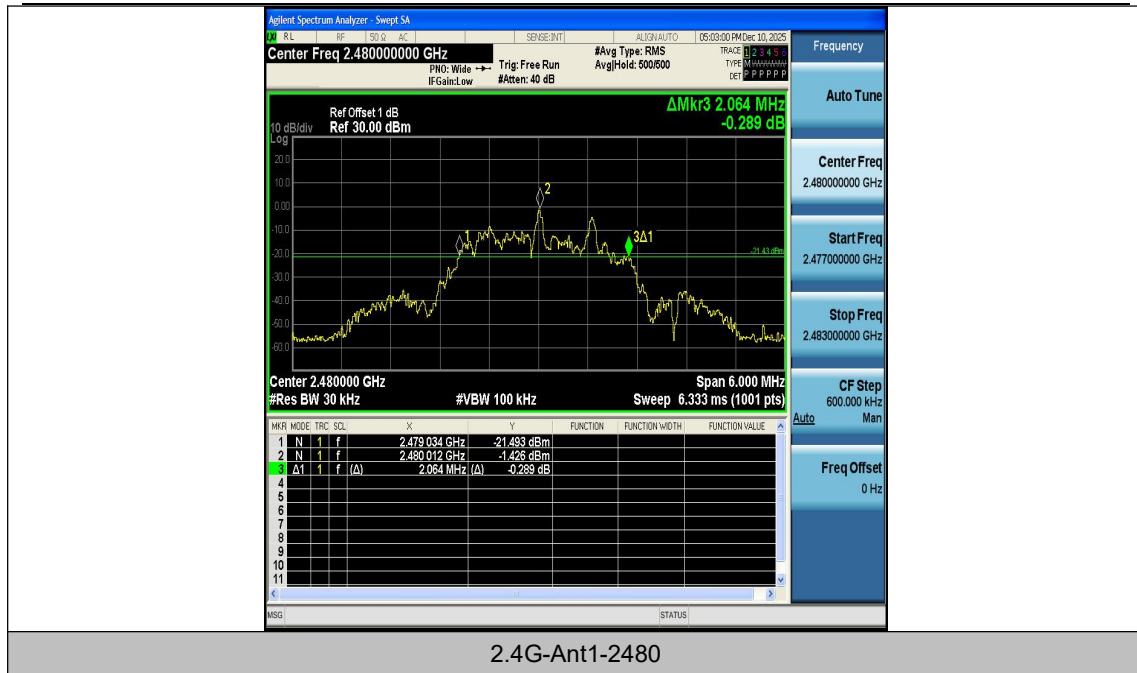
Test Graphs



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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	2.0628	2402.0337	2404.0965	---	---
2.4G	Ant1	2441	2.0428	2440.0371	2442.0799	---	---
2.4G	Ant1	2480	2.0401	2479.0408	2481.0809	---	---

Test Graphs



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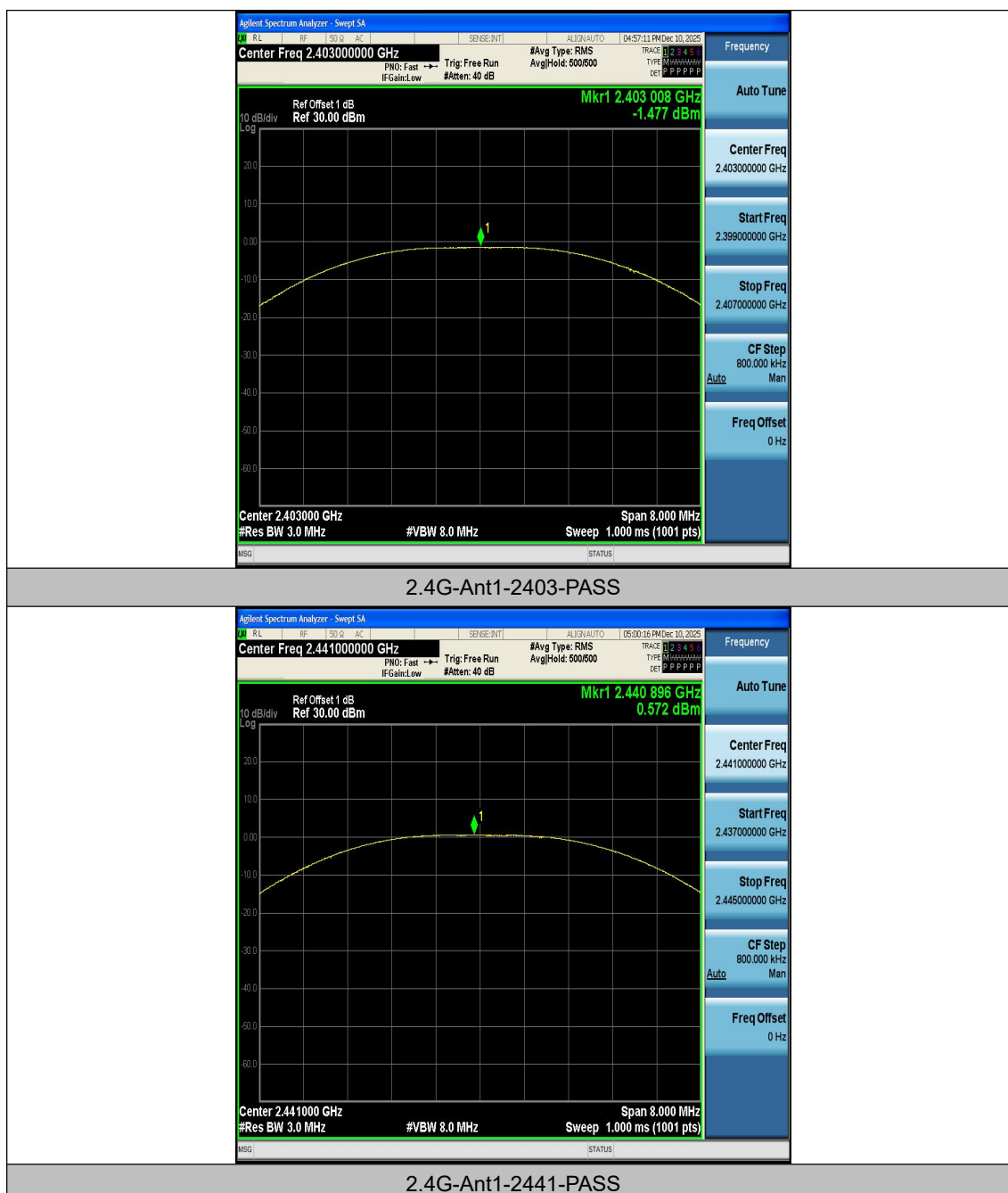
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Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	-1.48	≤30	PASS
2.4G	Ant1	2441	0.57	≤30	PASS
2.4G	Ant1	2480	-0.64	≤30	PASS

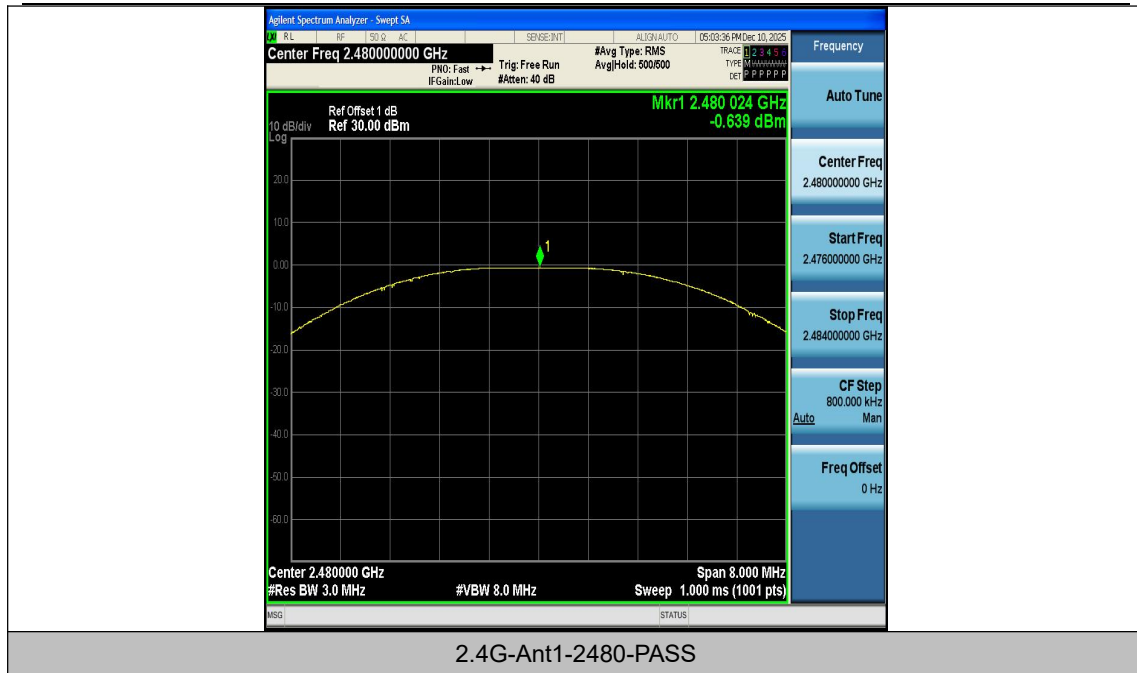
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
2.4G	ANT1	Hop	1.905	>1.4	PASS



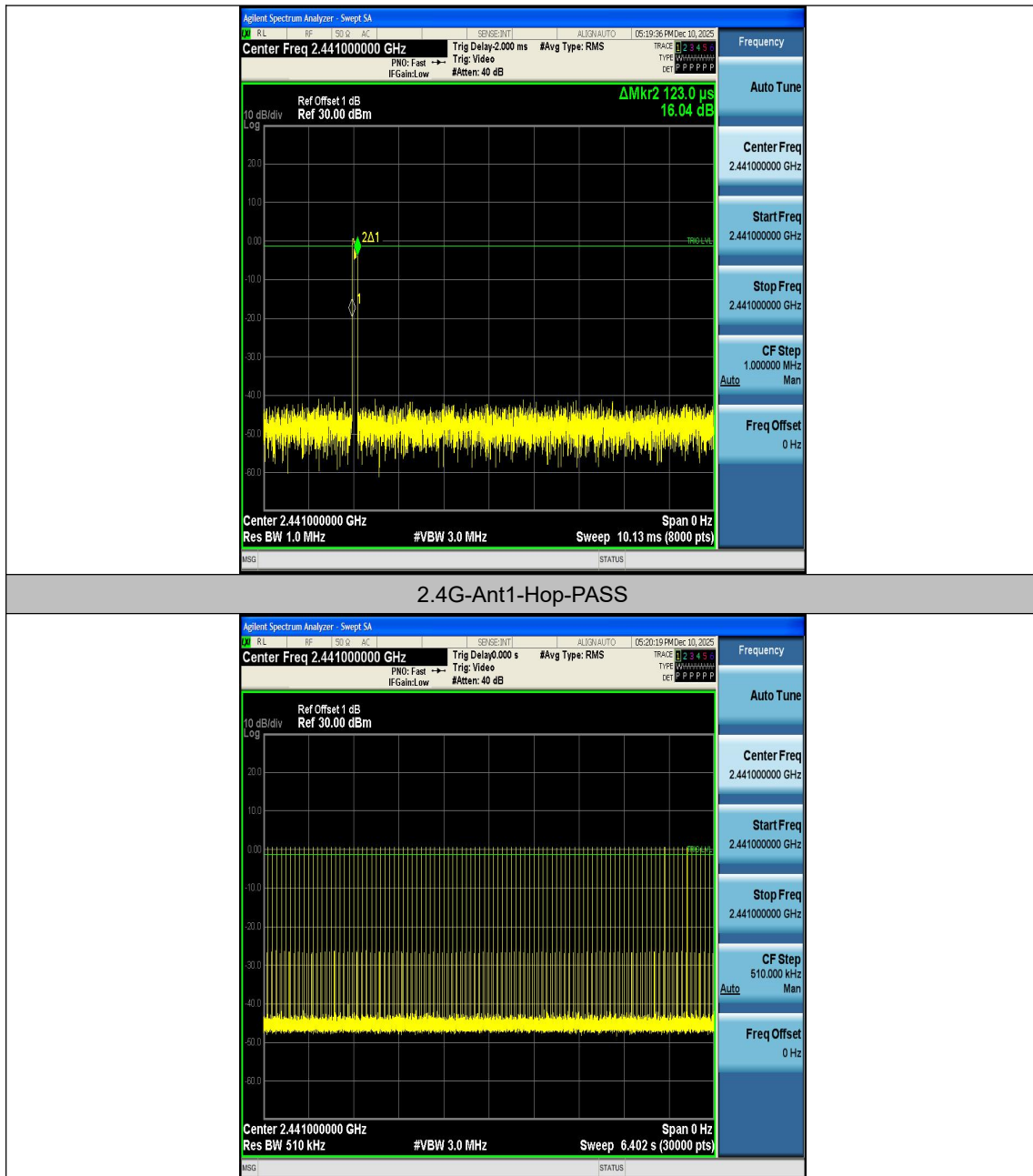
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	0.123	100	0.012	≤0.4	PASS

Test Graphs



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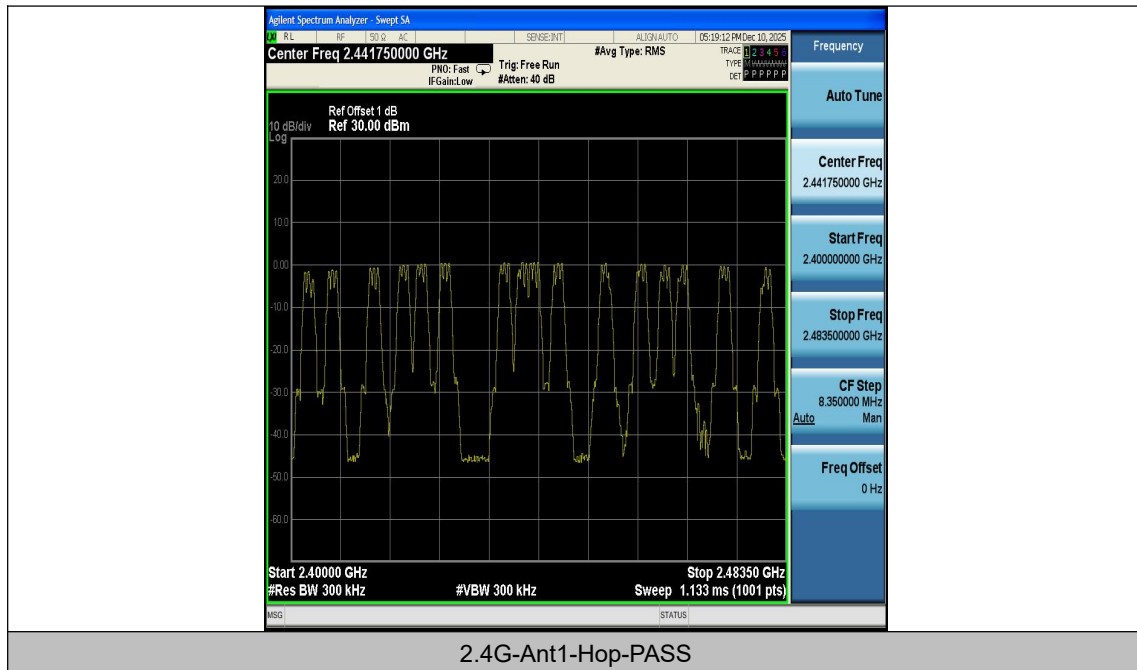
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Appendix F: Number of Hopping Channel

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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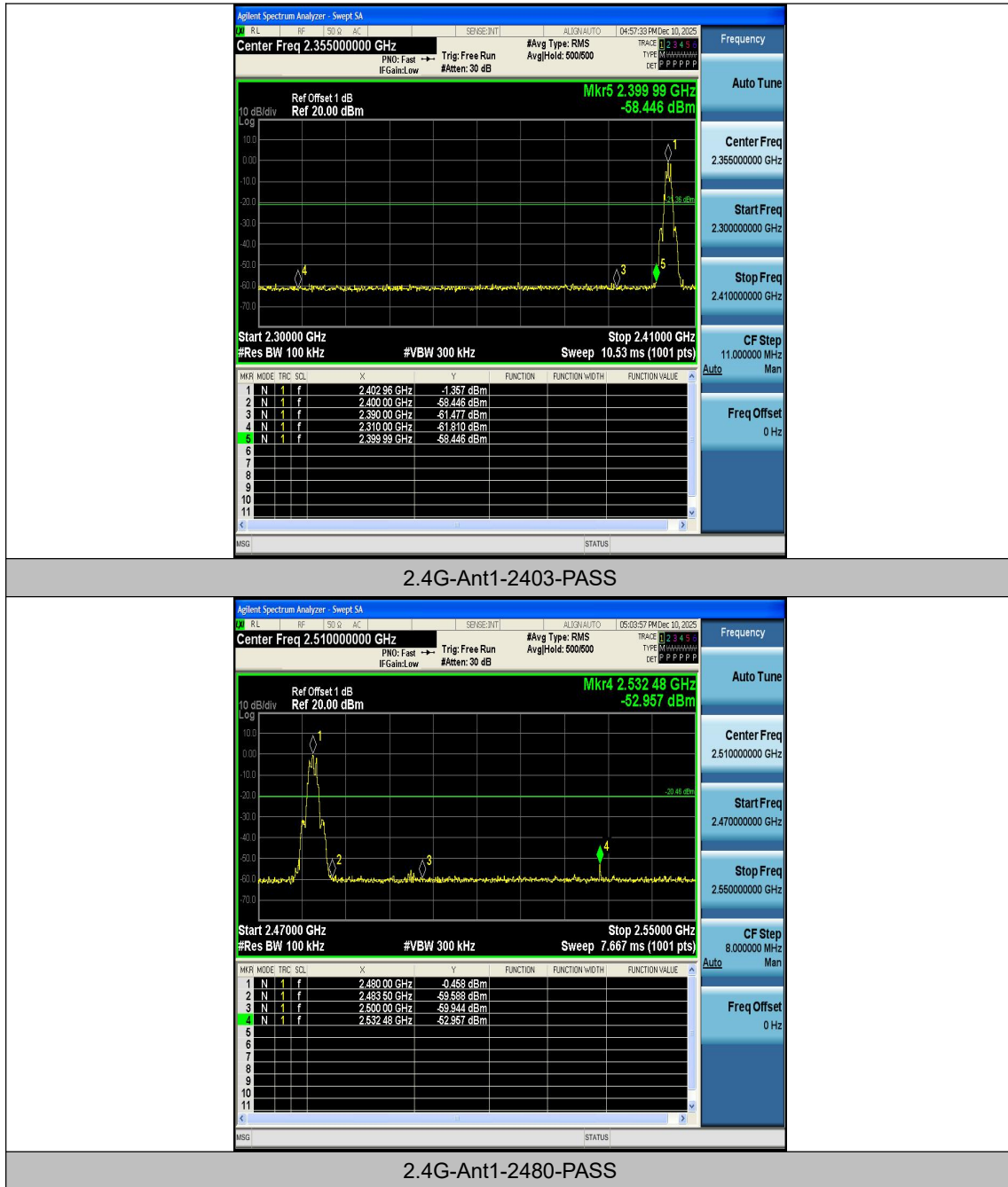
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Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	-1.36	-58.45	≤ -21.36	PASS
2.4G	Ant1	High	2480	-0.46	-52.96	≤ -20.46	PASS
2.4G	Ant1	Low	Hop	-1.06	-57.27	≤ -21.06	PASS
2.4G	Ant1	High	Hop	-0.49	-50.32	≤ -20.49	PASS

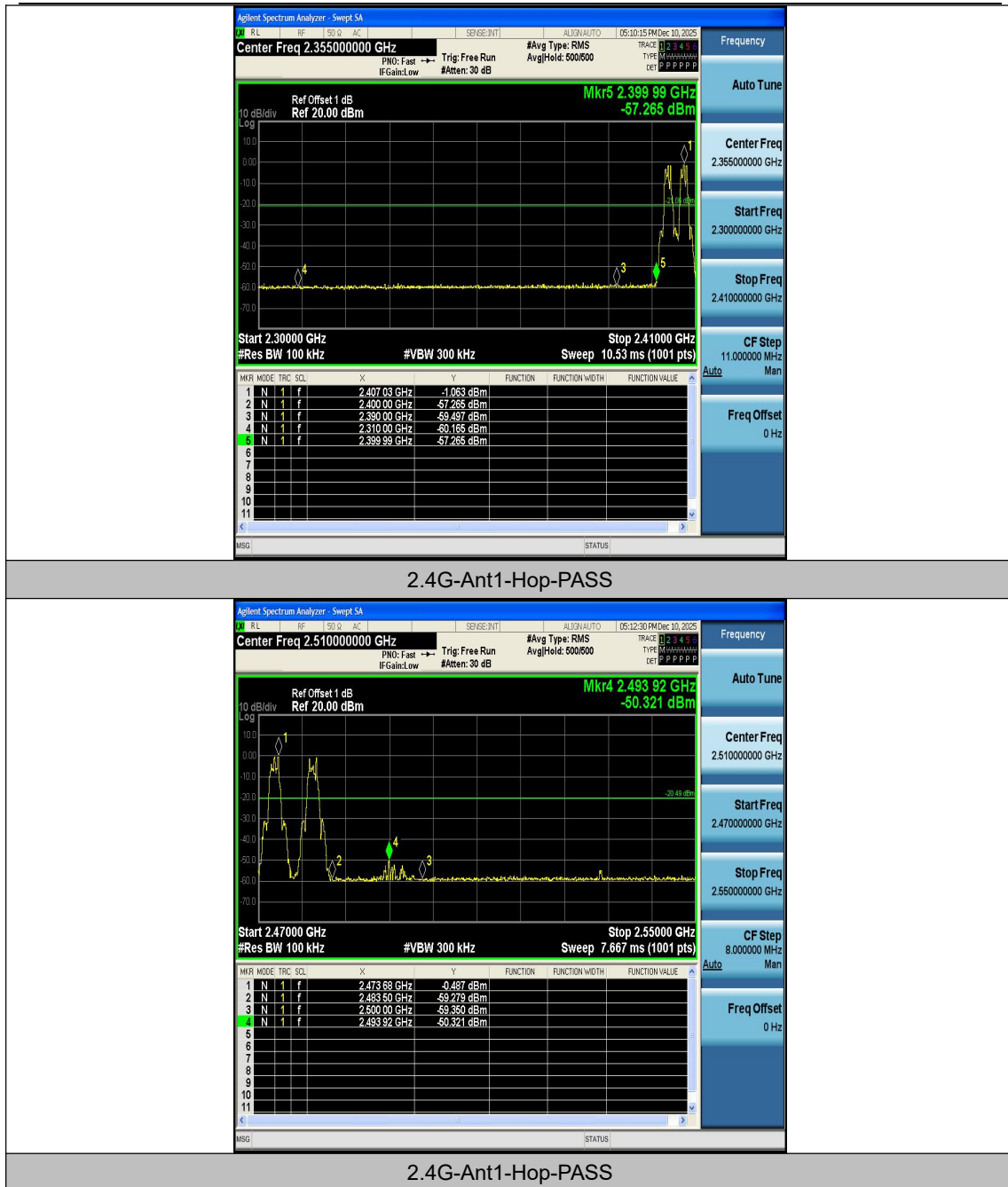
Test Graphs



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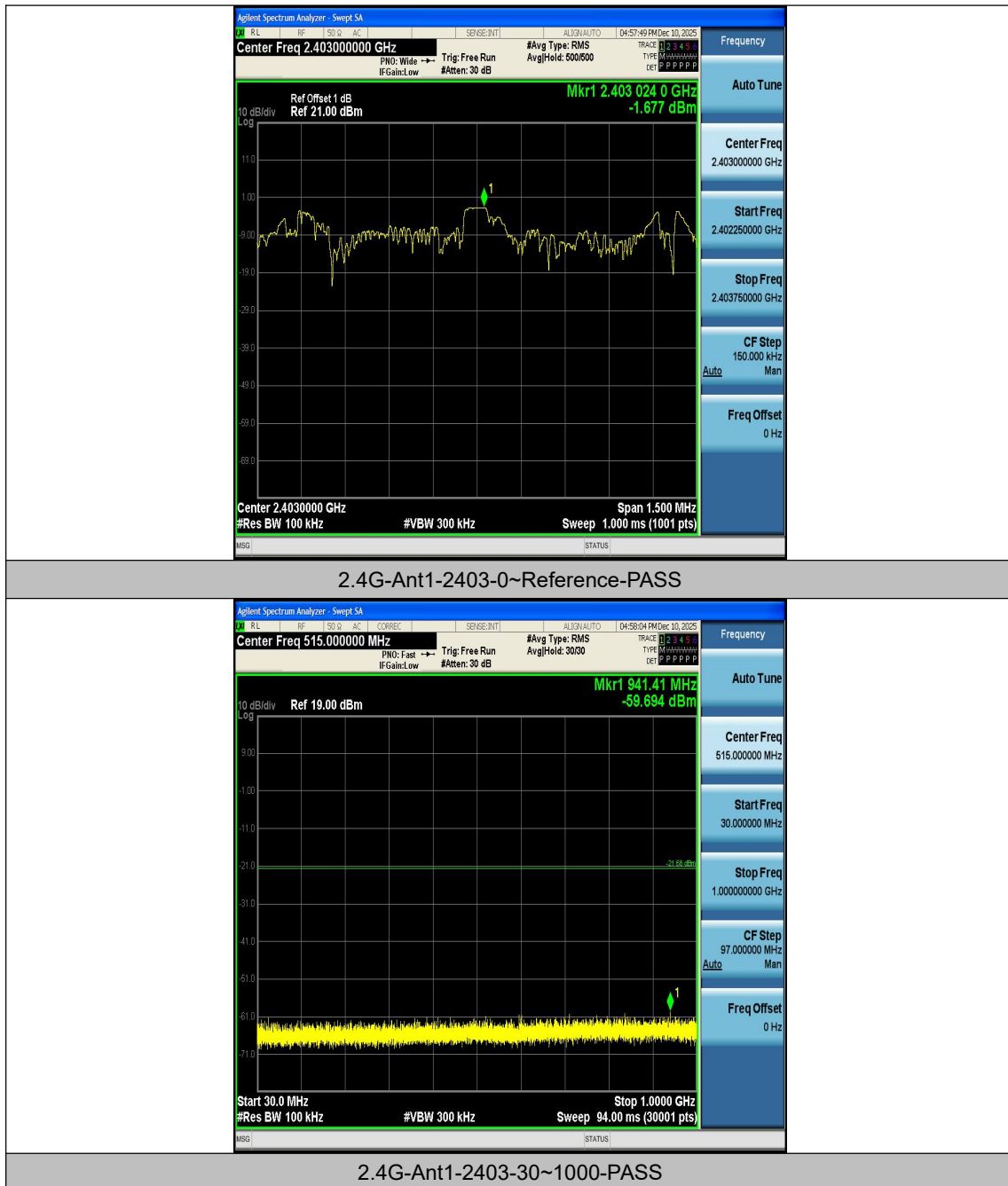
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	0~Reference	-1.68	-1.68	---	PASS
2.4G	Ant1	2403	30~1000	-1.68	-59.69	≤-21.68	PASS
2.4G	Ant1	2403	1000~26500	-1.68	-26.06	≤-21.68	PASS
2.4G	Ant1	2441	0~Reference	0.48	0.48	---	PASS
2.4G	Ant1	2441	30~1000	0.48	-59.14	≤-19.52	PASS
2.4G	Ant1	2441	1000~26500	0.48	-25.59	≤-19.52	PASS
2.4G	Ant1	2480	0~Reference	-0.78	-0.78	---	PASS
2.4G	Ant1	2480	30~1000	-0.78	-59.78	≤-20.78	PASS
2.4G	Ant1	2480	1000~26500	-0.78	-22.93	≤-20.78	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.

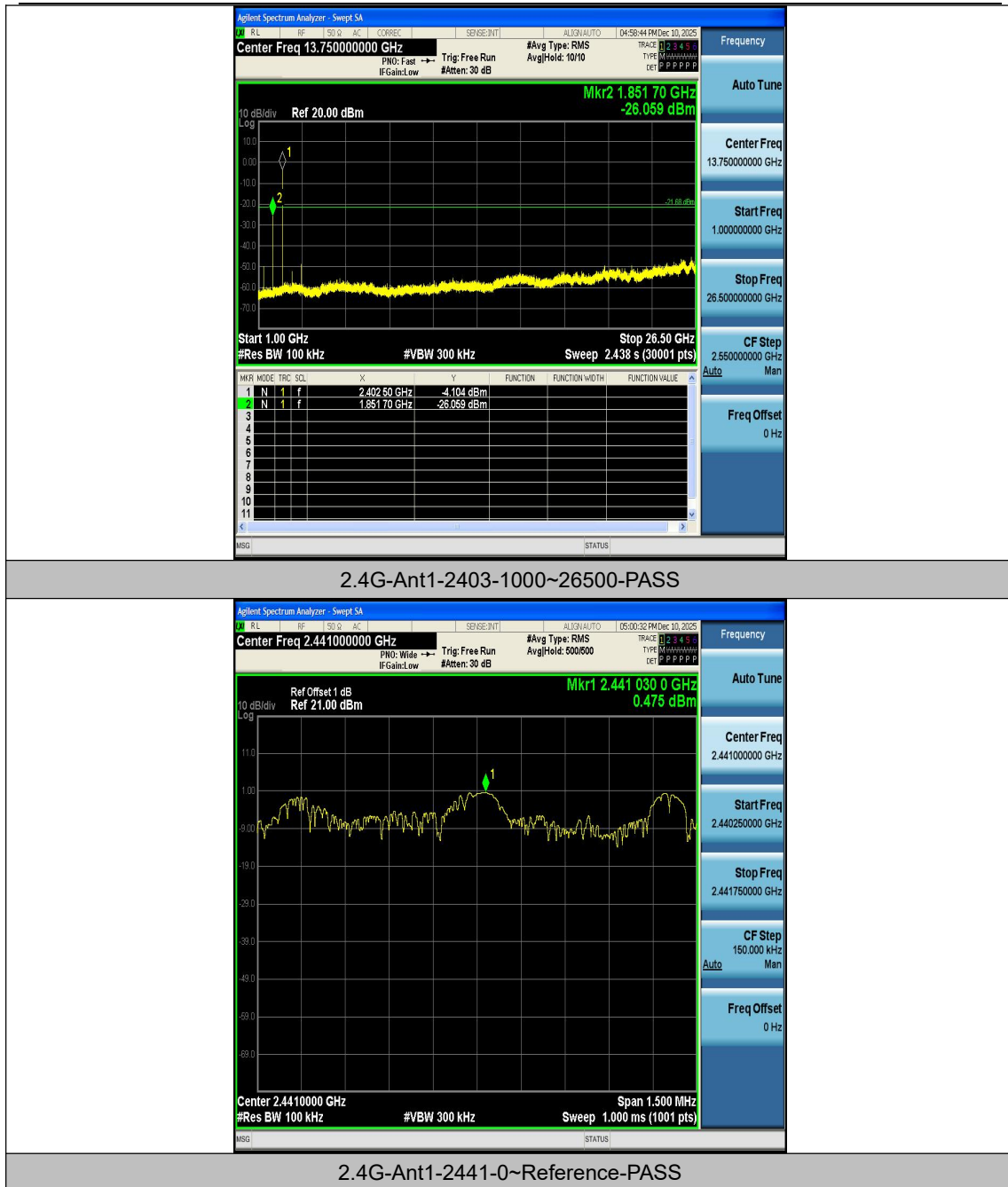
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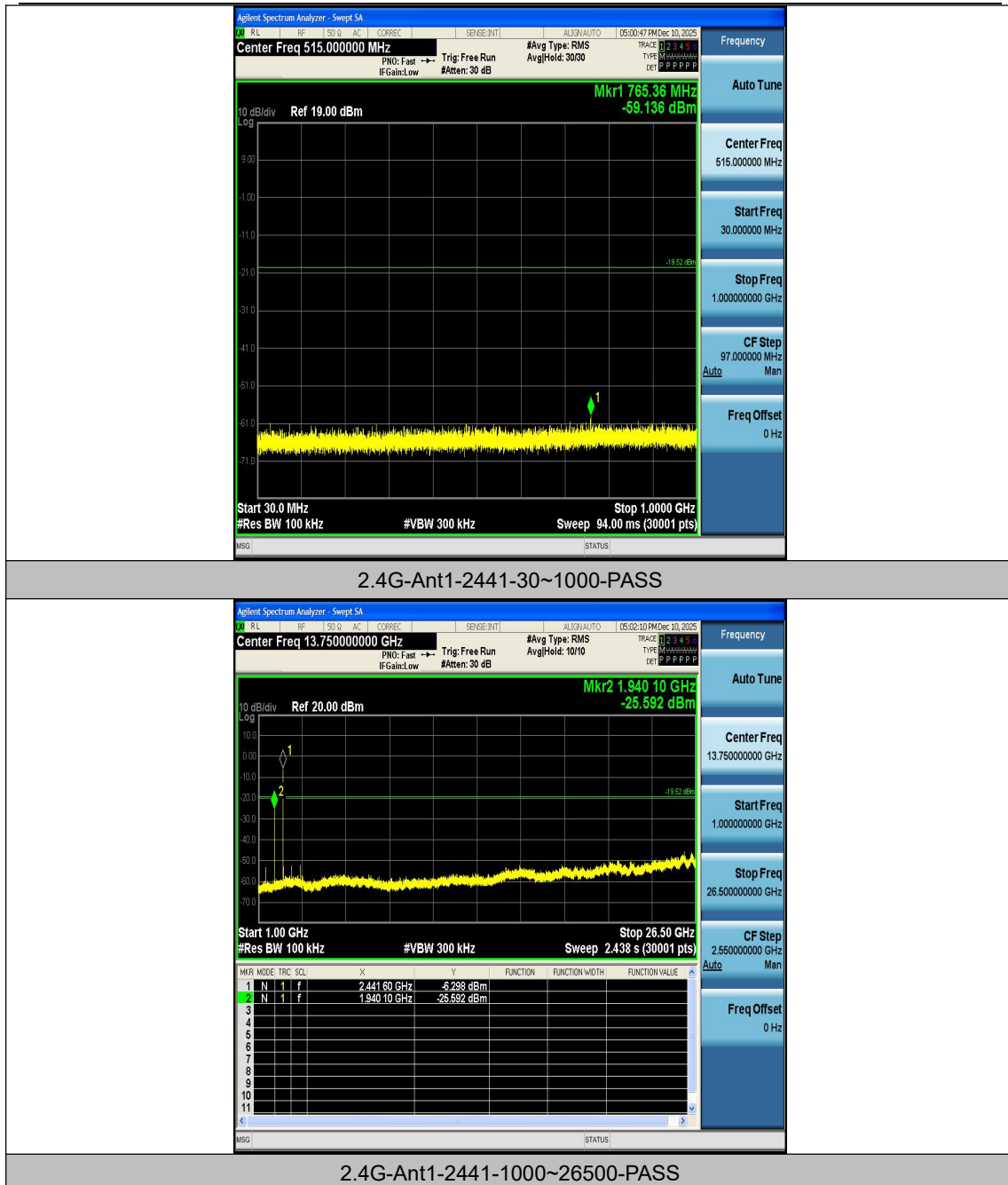
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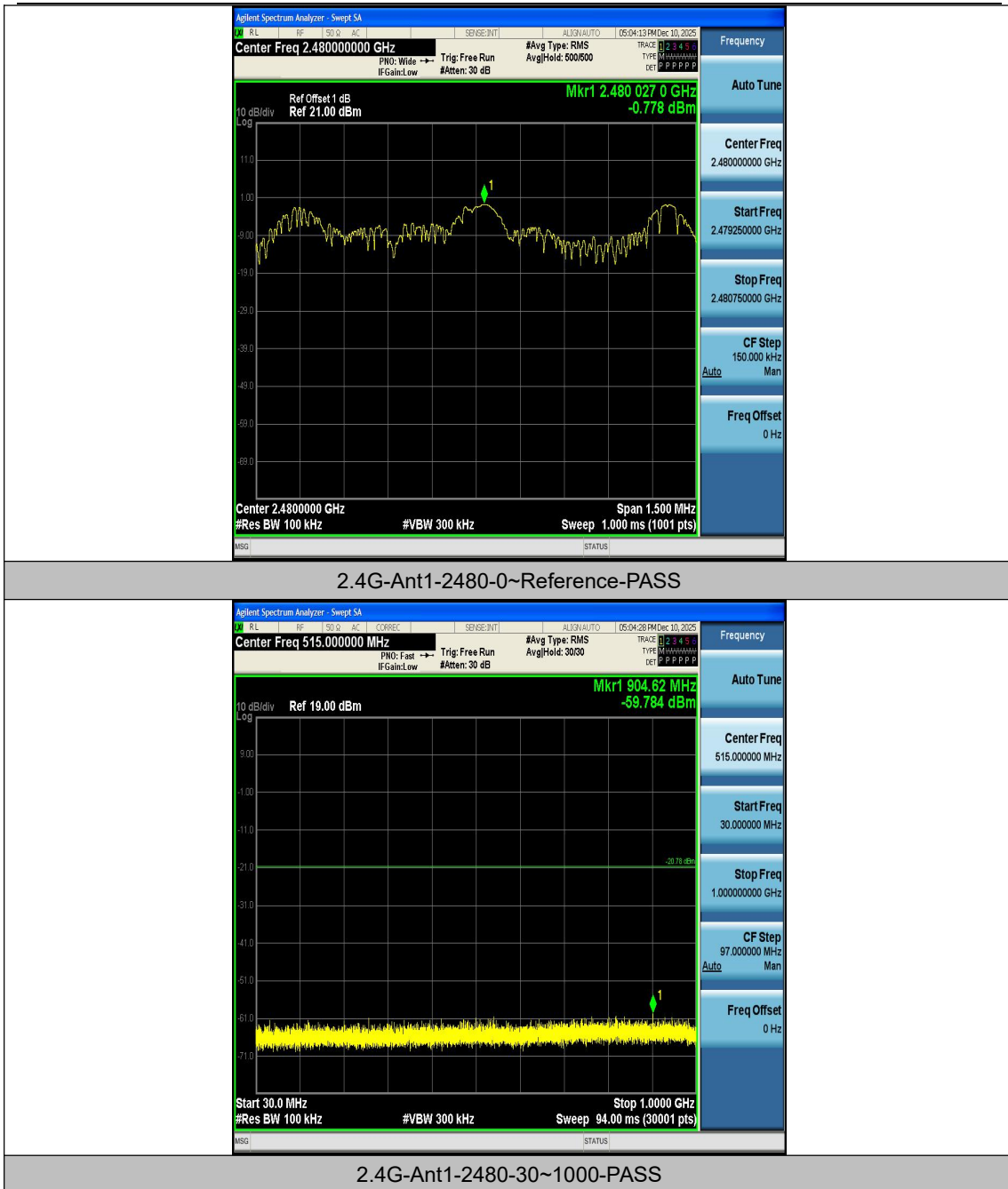


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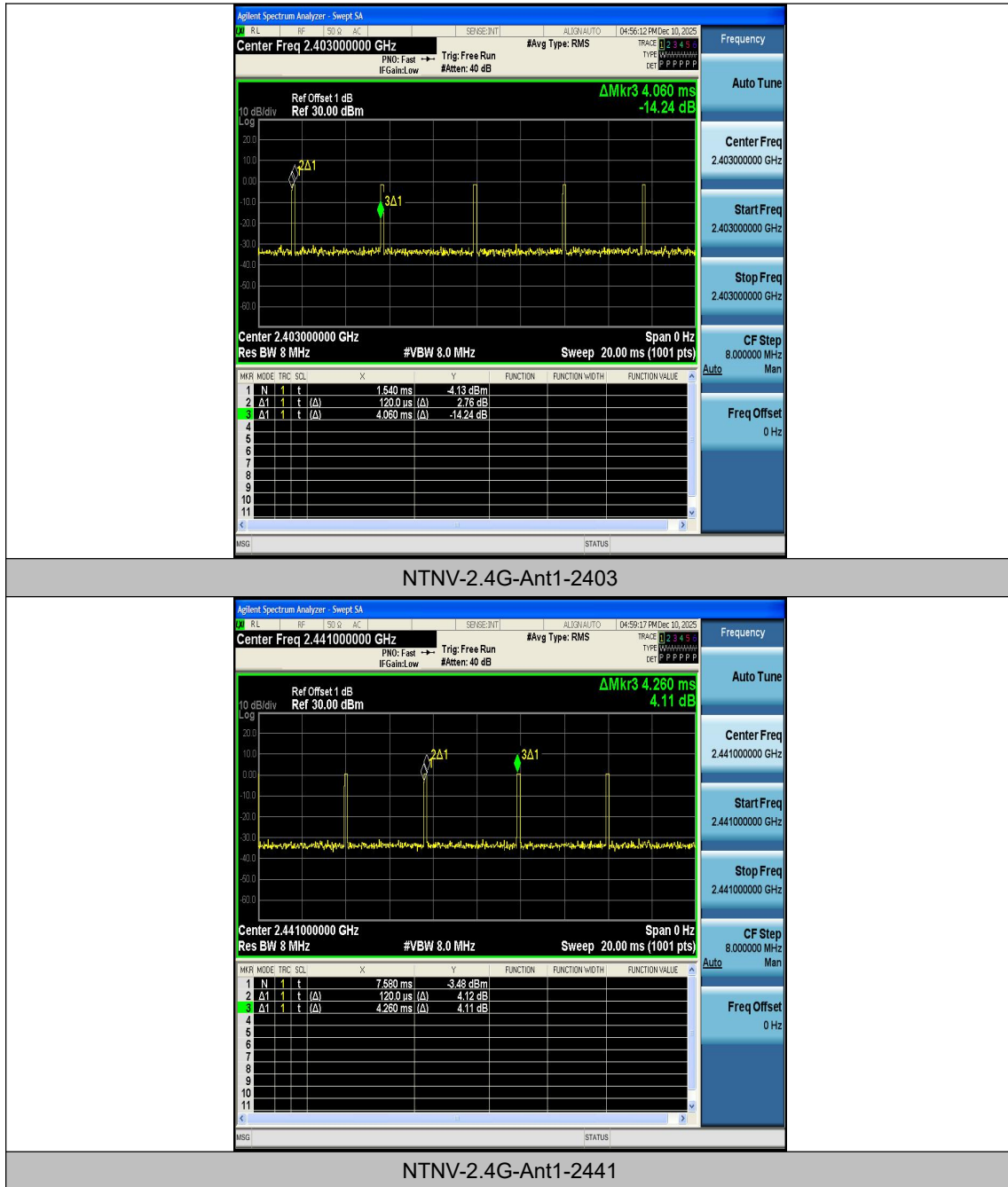
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Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2403	0.12	4.06	2.96	15.29
2.4G	Ant1	2441	0.12	4.26	2.82	15.50
2.4G	Ant1	2480	0.12	4.24	2.83	15.48

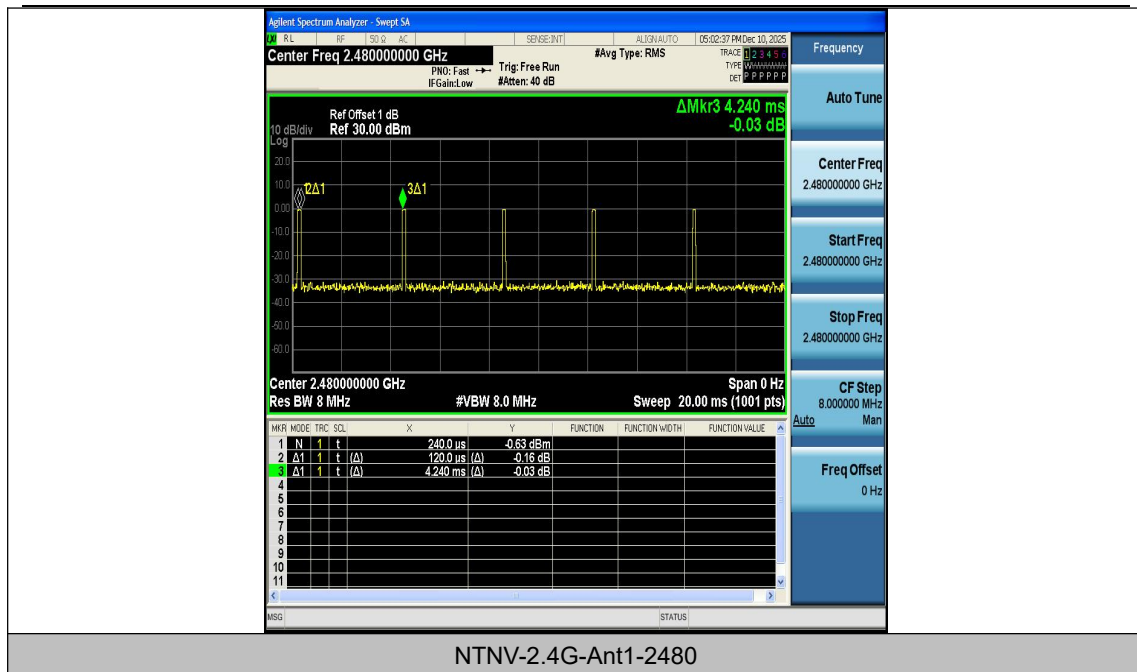
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