

Appendix Test Data

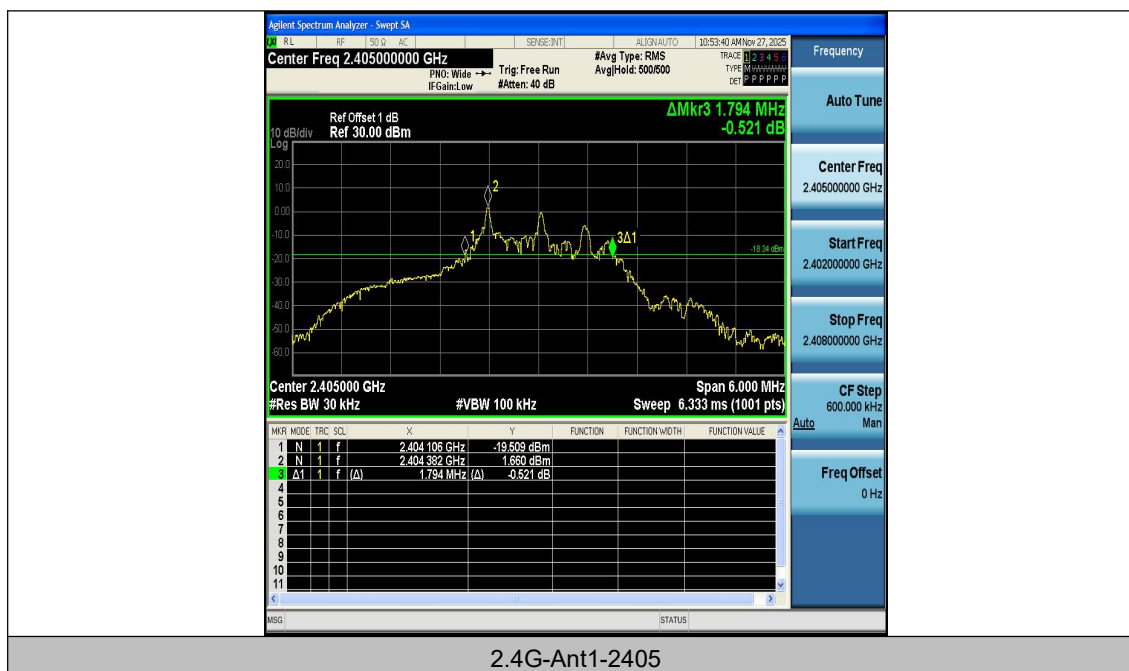
Report No.:	1812C50619412502-01	Test Sample No.:	1-2-2
Start Test Date:	2025-11-27	Finish Test Date:	2025-11-27
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	26.1°C	Relative Humidity:	43%
Pressure:	101kPa		

Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2405	1.794	2404.106	2405.900	---	---
2.4G	Ant1	2441	1.812	2440.082	2441.894	---	---
2.4G	Ant1	2475	1.812	2474.082	2475.894	---	---

Test Graphs





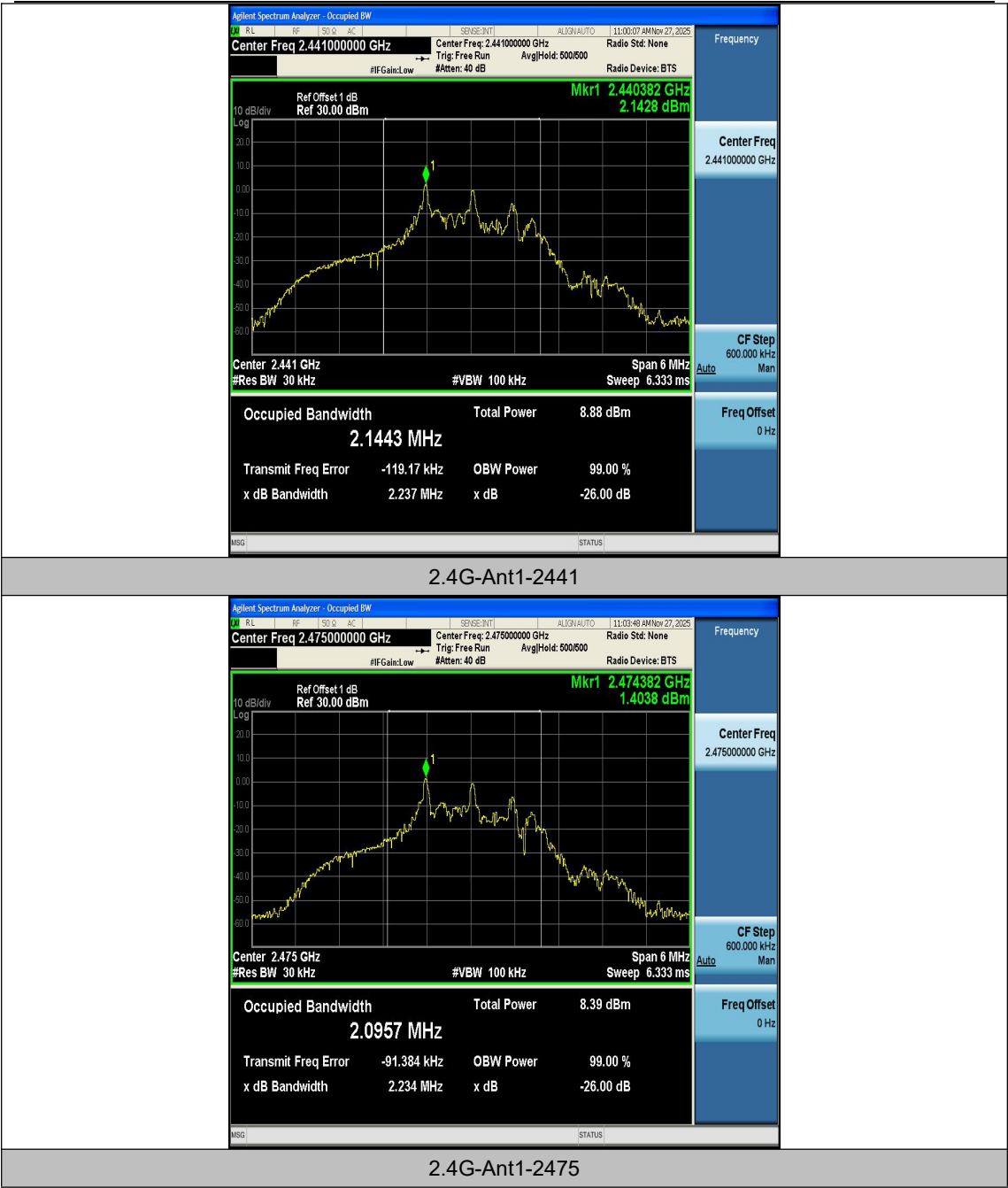
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2405	2.2190	2403.7563	2405.9753	---	---
2.4G	Ant1	2441	2.1443	2439.8087	2441.9530	---	---
2.4G	Ant1	2475	2.0957	2473.8608	2475.9565	---	---

Test Graphs



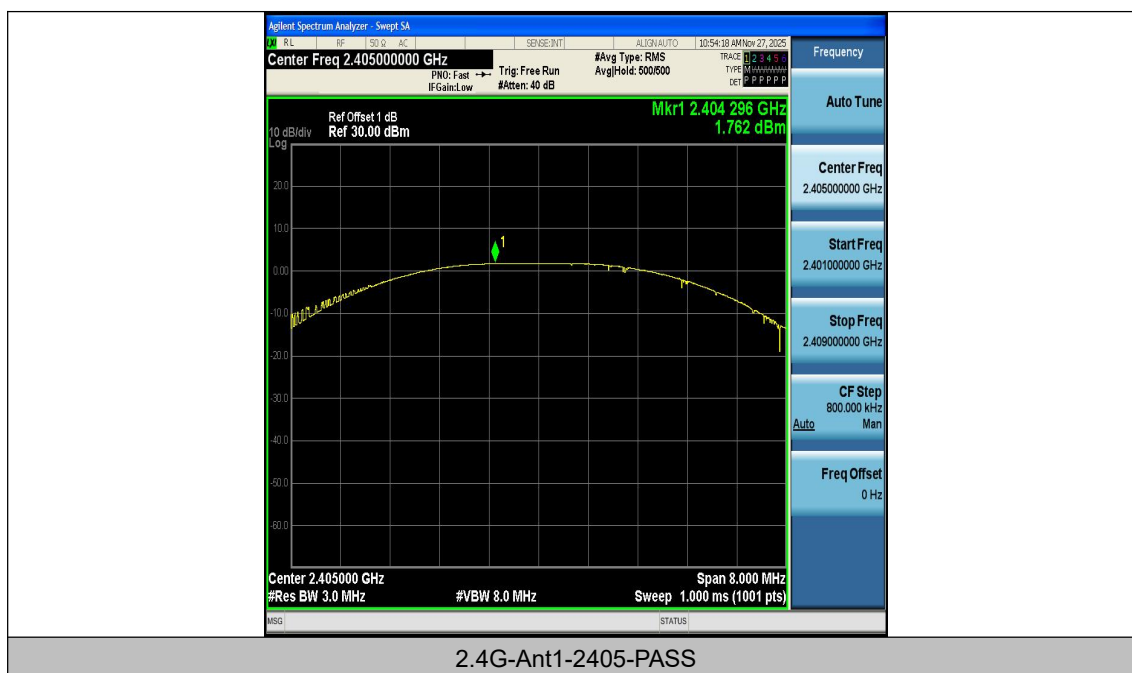


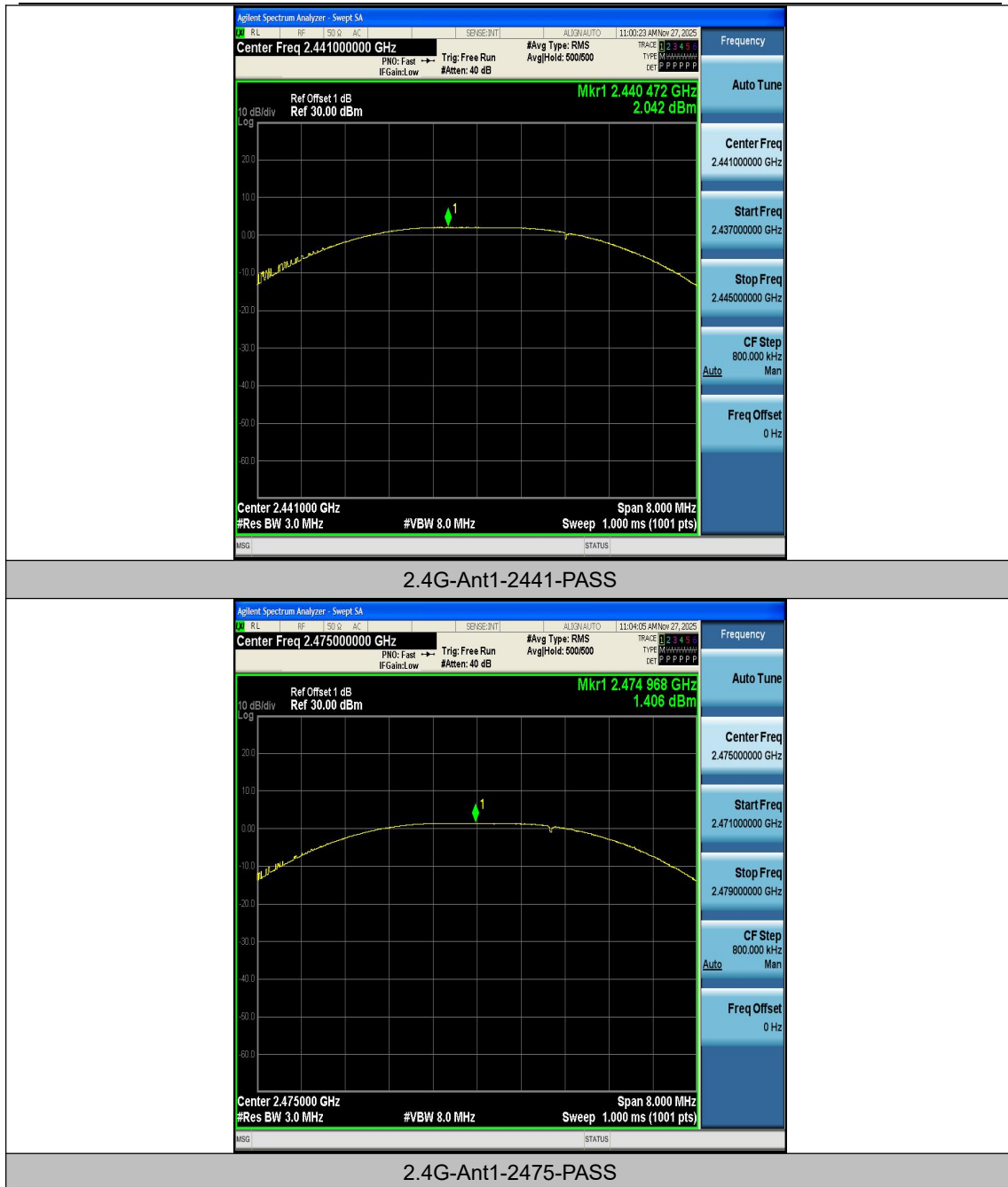
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2405	1.76	≤30	PASS
2.4G	Ant1	2441	2.04	≤30	PASS
2.4G	Ant1	2475	1.41	≤30	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	1.995	>1.208	PASS

Test Graphs

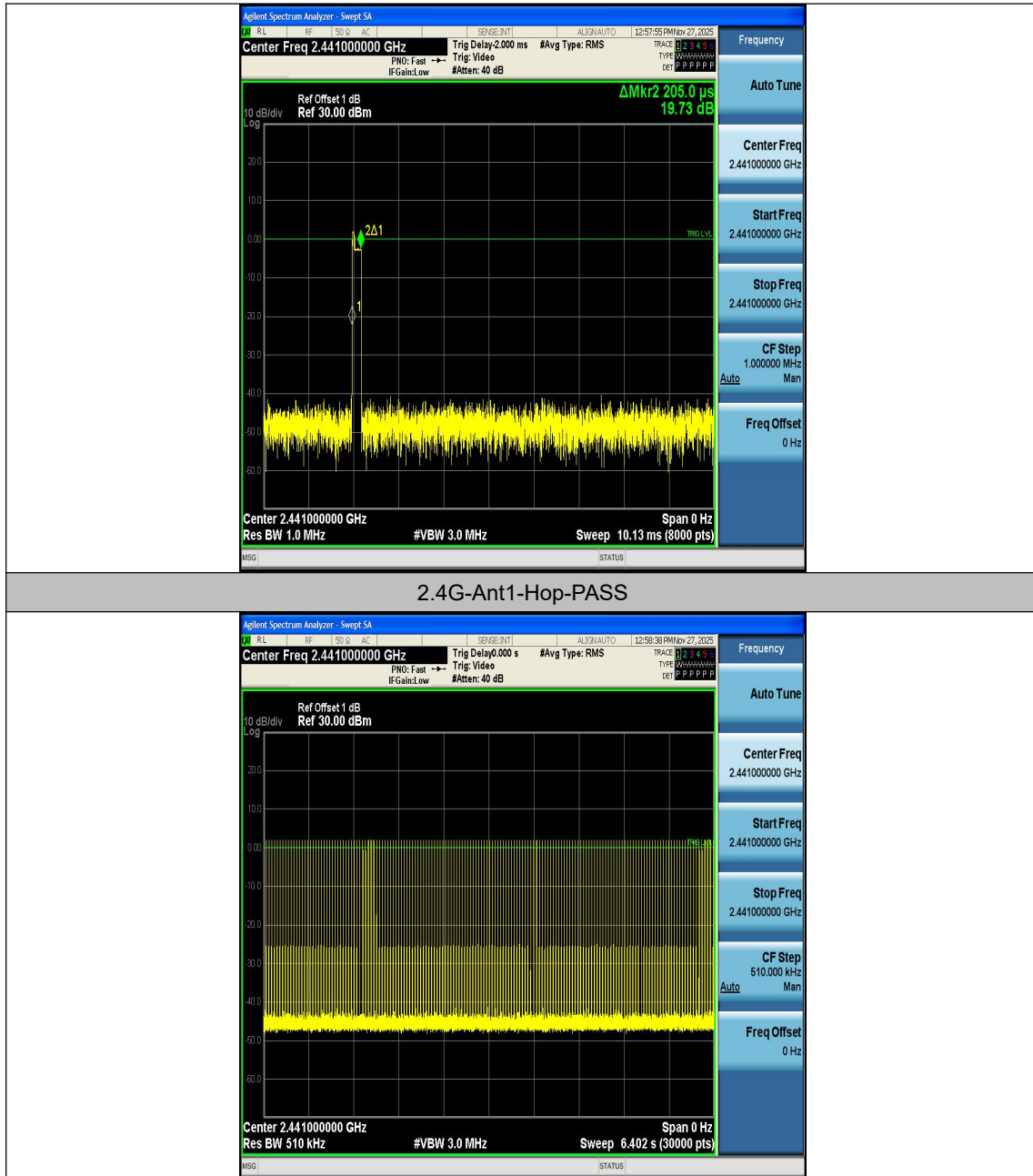


Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	0.205	163	0.033	≤0.4	PASS

Test Graphs



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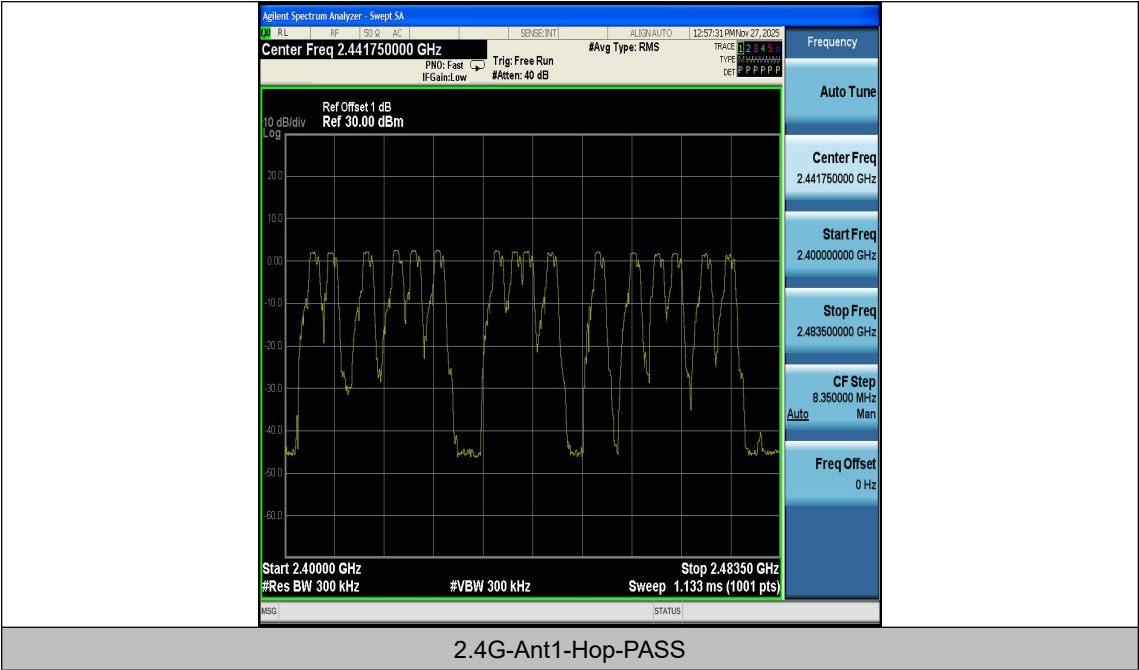
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Appendix F: Number of Hopping Channel

Test Result

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

Test Graphs

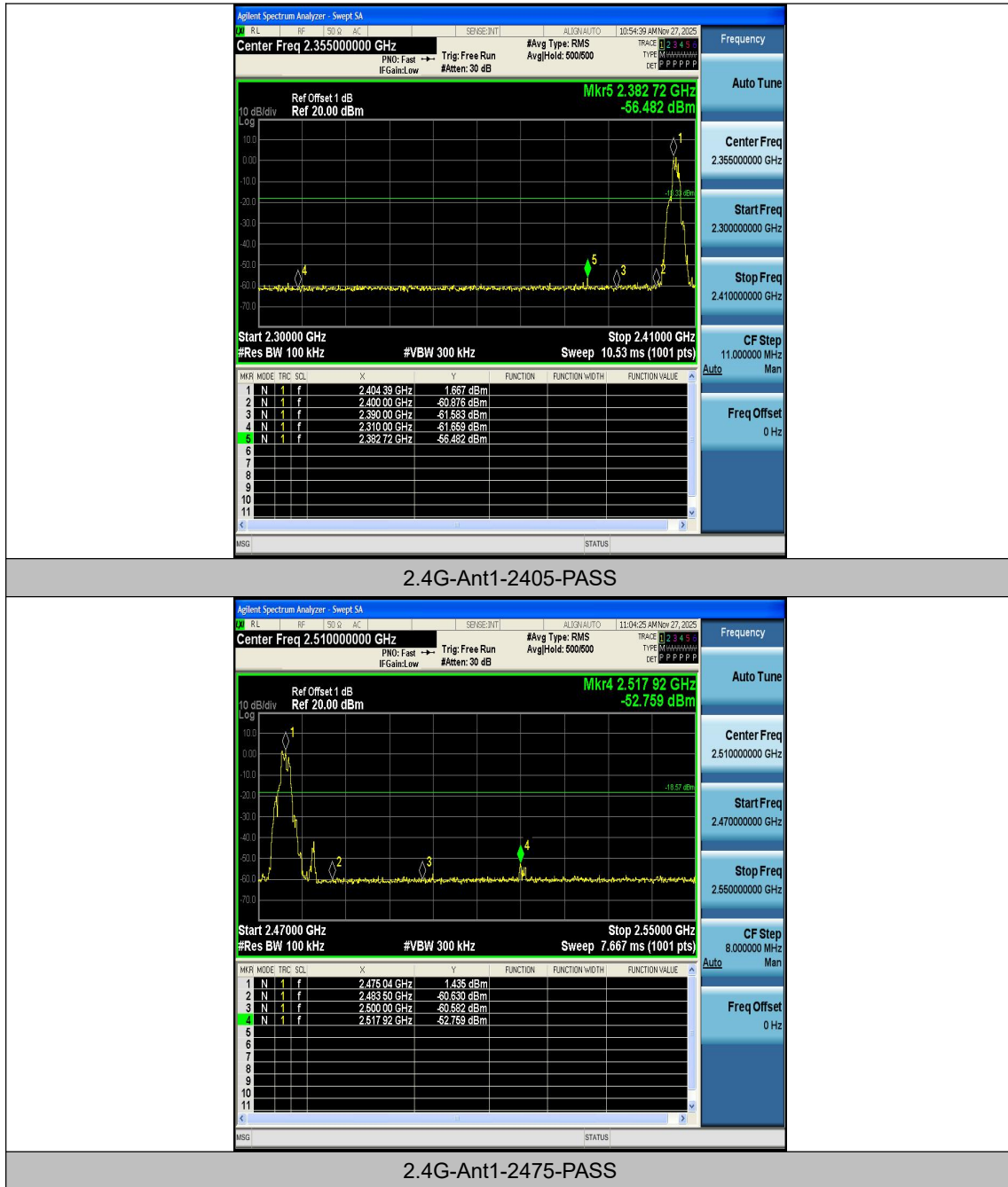


Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2405	1.67	-56.48	≤-18.33	PASS
2.4G	Ant1	High	2475	1.44	-52.76	≤-18.57	PASS
2.4G	Ant1	Low	Hop	1.75	-49.17	≤-18.25	PASS
2.4G	Ant1	High	Hop	1.38	-49.23	≤-18.62	PASS

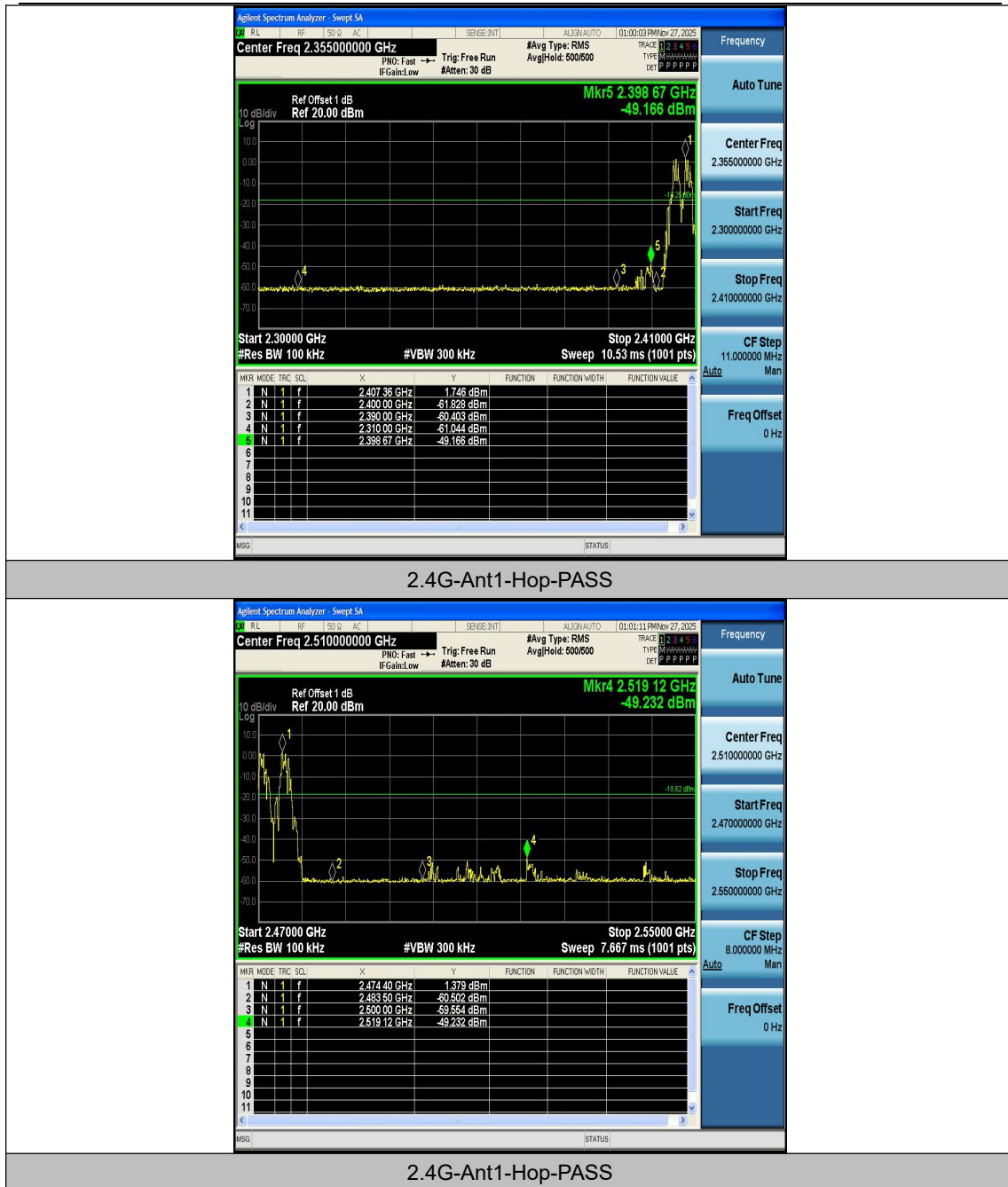
Test Graphs



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Appendix H: Conducted Spurious Emission

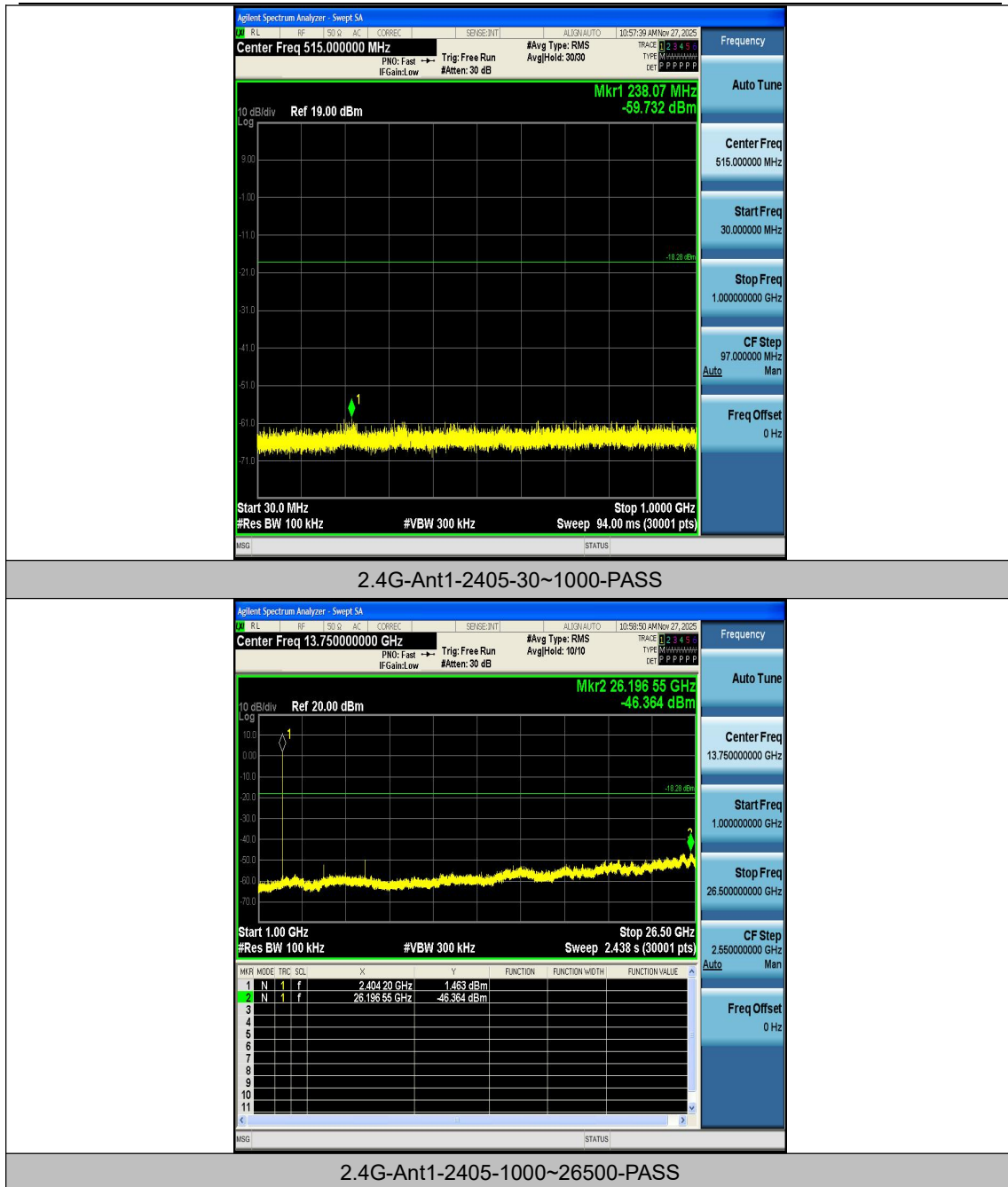
Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2405	0~Reference	1.72	1.72	---	PASS
2.4G	Ant1	2405	30~1000	1.72	-59.73	≤-18.28	PASS
2.4G	Ant1	2405	1000~26500	1.72	-46.36	≤-18.28	PASS
2.4G	Ant1	2441	0~Reference	1.96	1.96	---	PASS
2.4G	Ant1	2441	30~1000	1.96	-60.04	≤-18.04	PASS
2.4G	Ant1	2441	1000~26500	1.96	-37.35	≤-18.04	PASS
2.4G	Ant1	2475	0~Reference	1.39	1.39	---	PASS
2.4G	Ant1	2475	30~1000	1.39	-60.12	≤-18.61	PASS
2.4G	Ant1	2475	1000~26500	1.39	-40.14	≤-18.61	PASS

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

Test Graphs

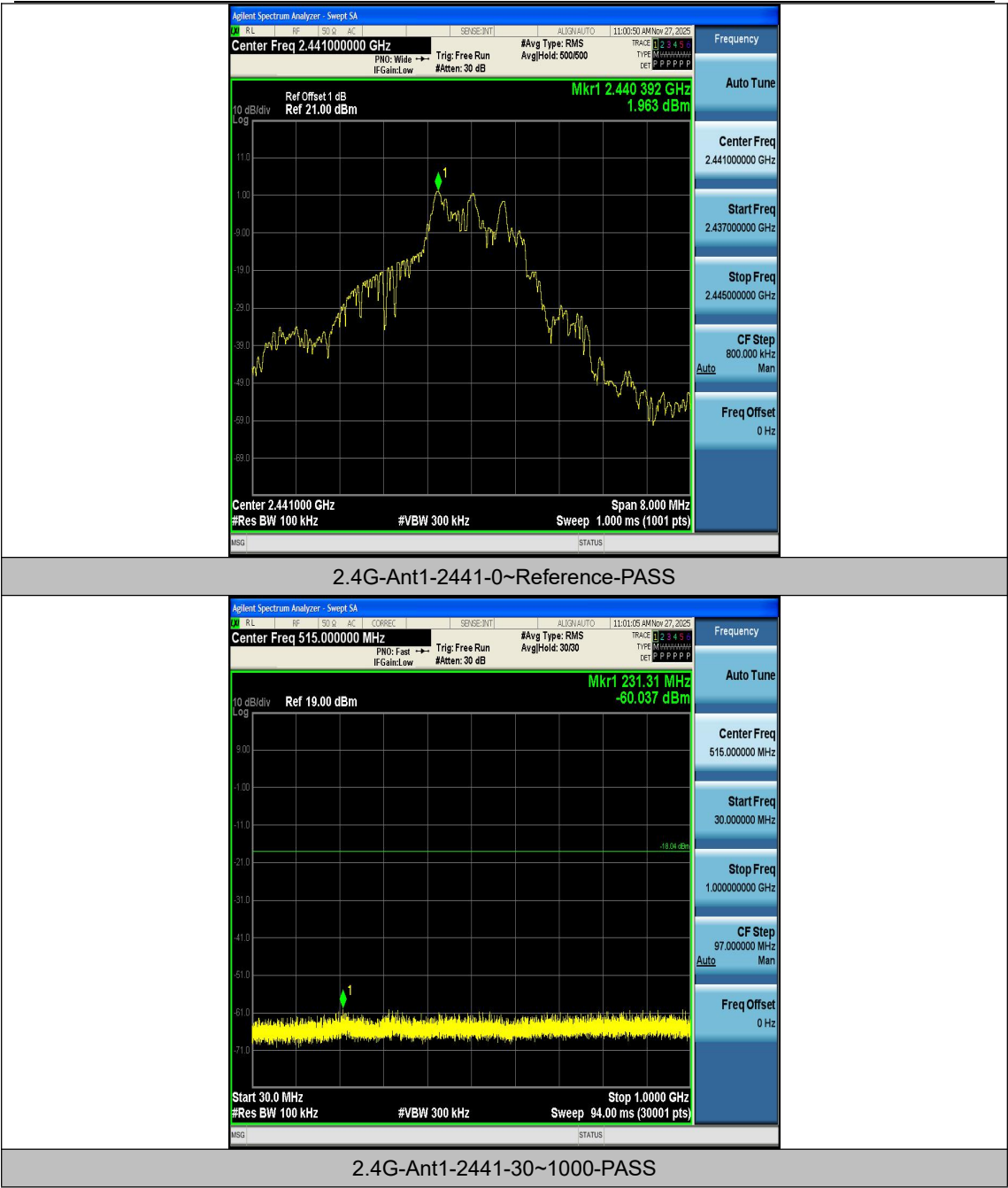


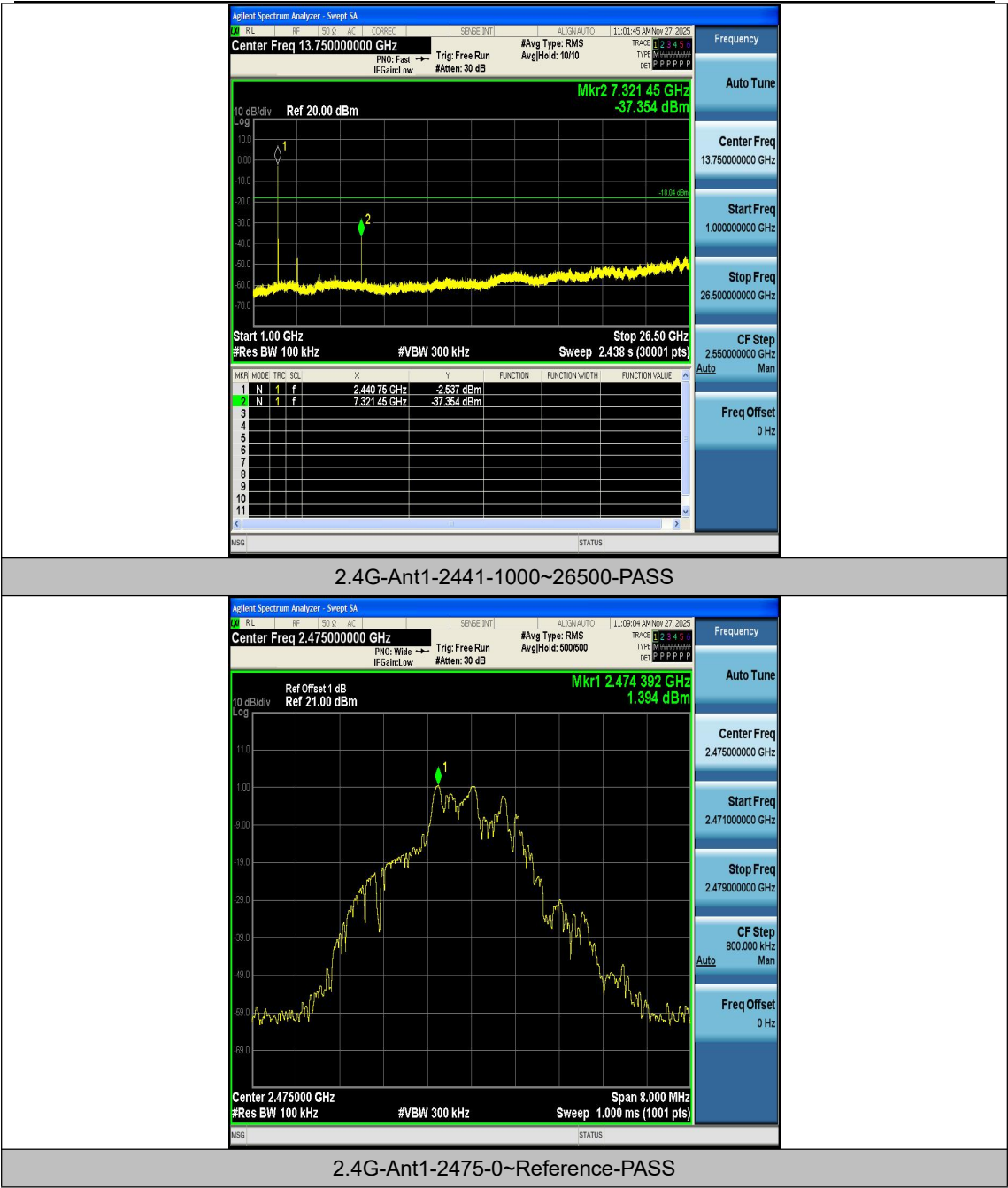


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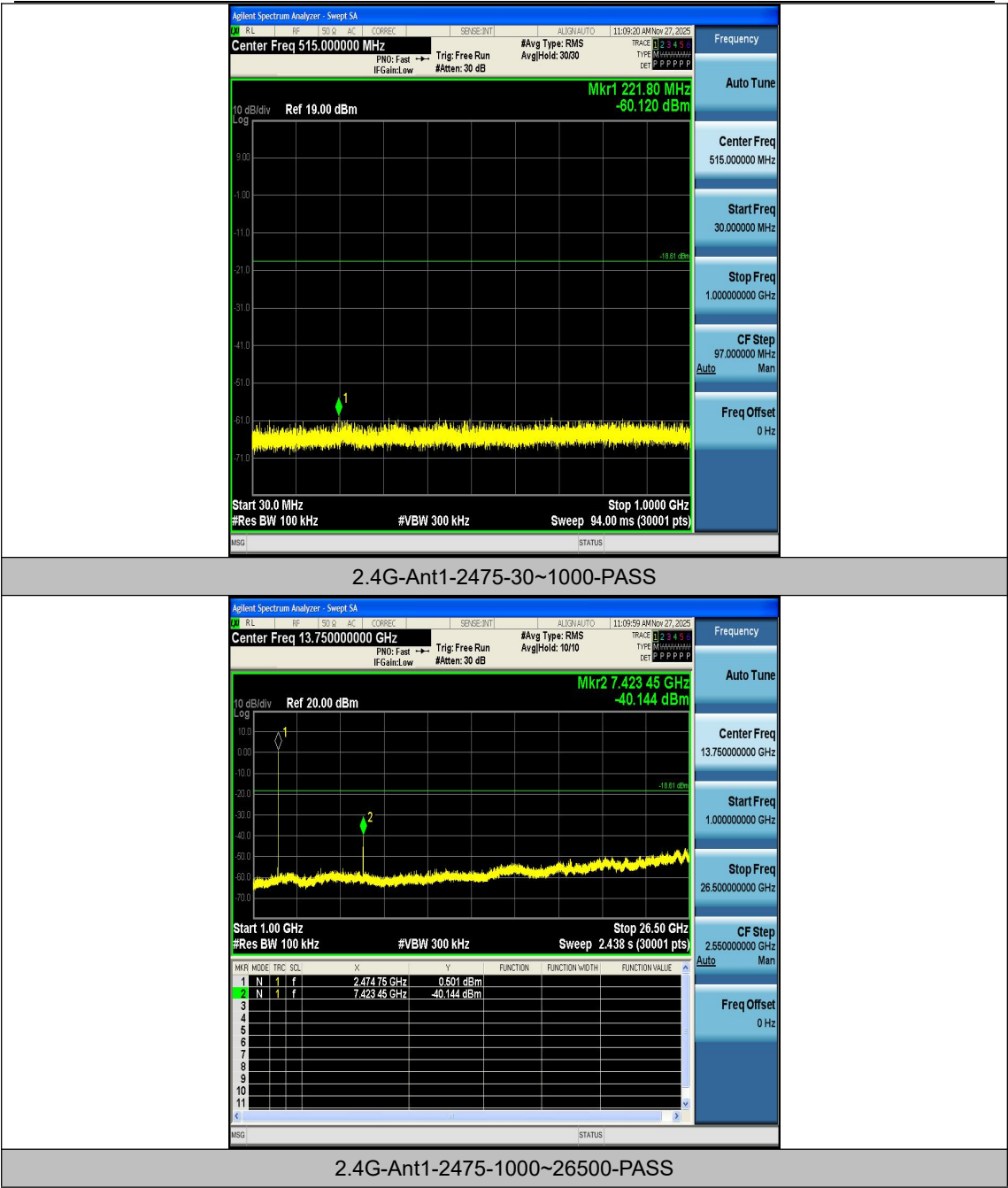
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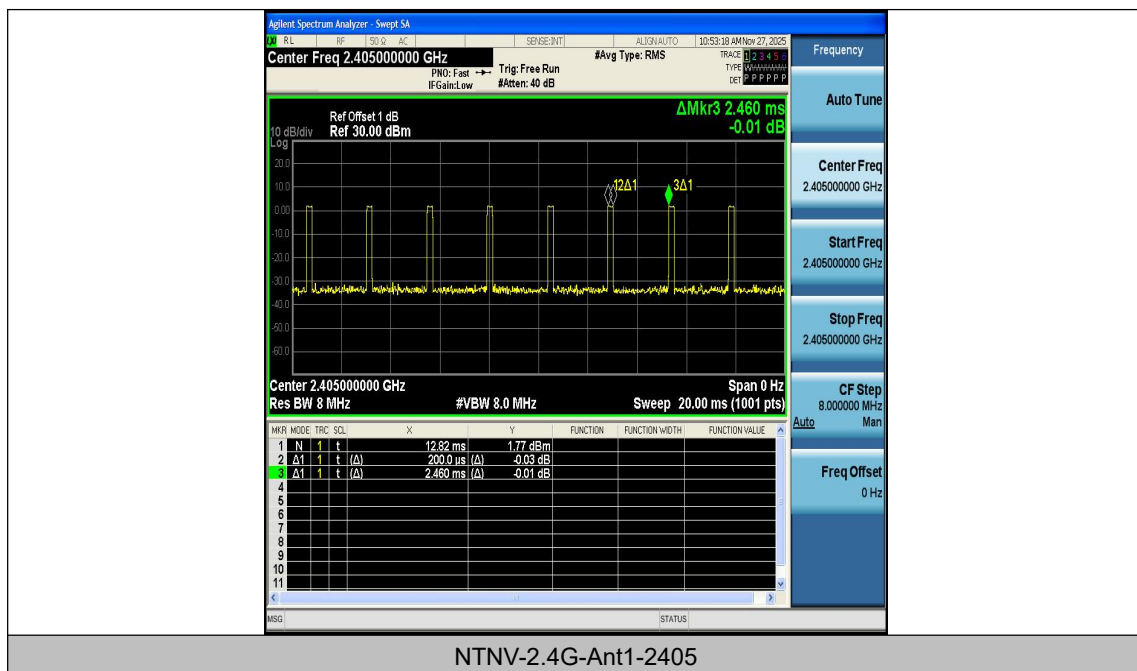
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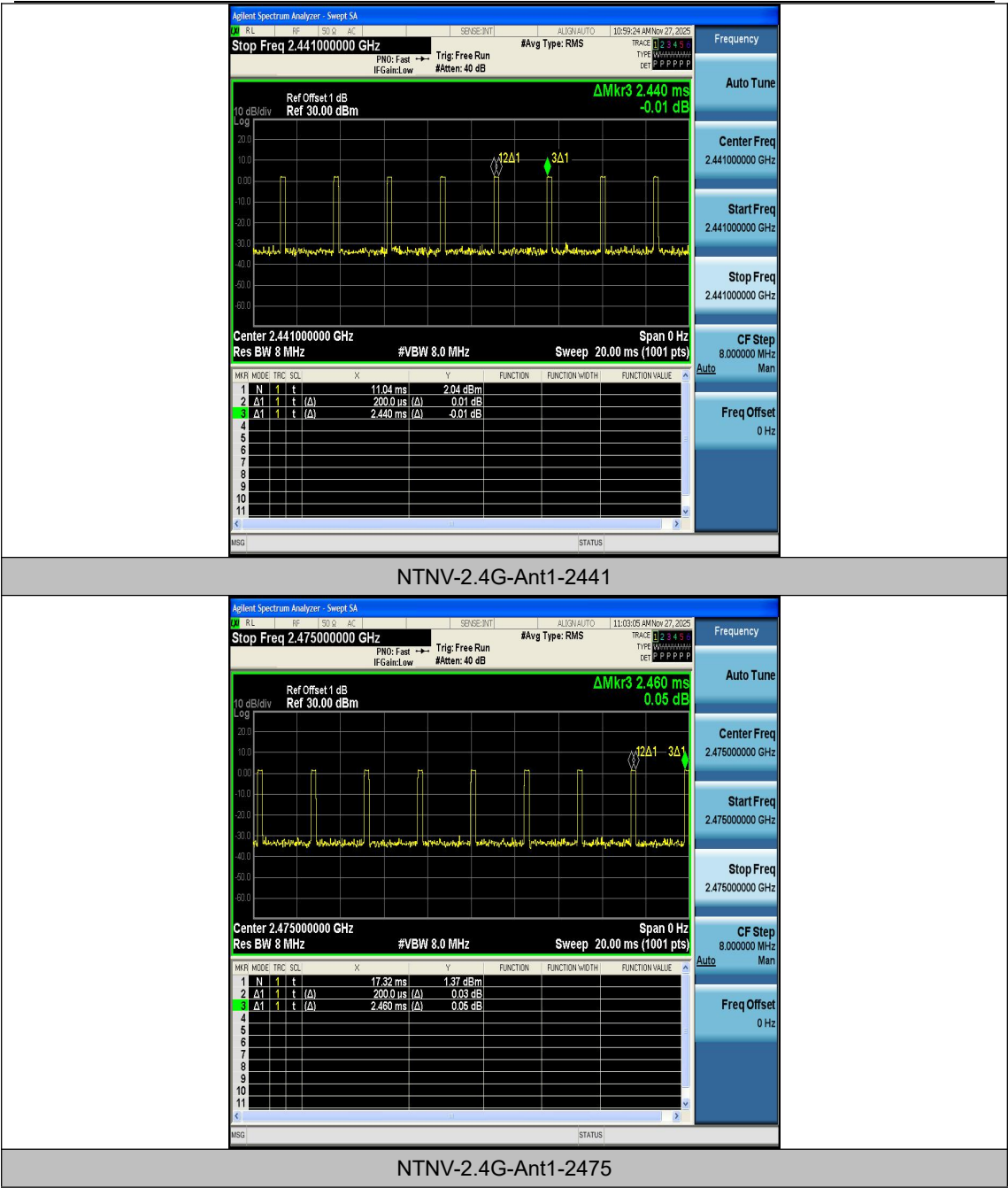
Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2405	0.20	2.46	8.13	10.90
2.4G	Ant1	2441	0.20	2.44	8.20	10.86
2.4G	Ant1	2475	0.20	2.46	8.13	10.90

Test Graphs





---End---