

Appendix Test Data

Report No.:	1812C50467312502	Test Sample No.:	1-2-2
Start Test Date:	2025-09-16	Finish Test Date:	2025-09-16
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	22.9℃	Relative Humidity:	54%
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	1.790	2404.090	2405.880	---	---
2.4G	Ant1	2441	1.770	2440.110	2441.880	---	---
2.4G	Ant1	2475	1.790	2474.090	2475.880	---	---

Test Graphs



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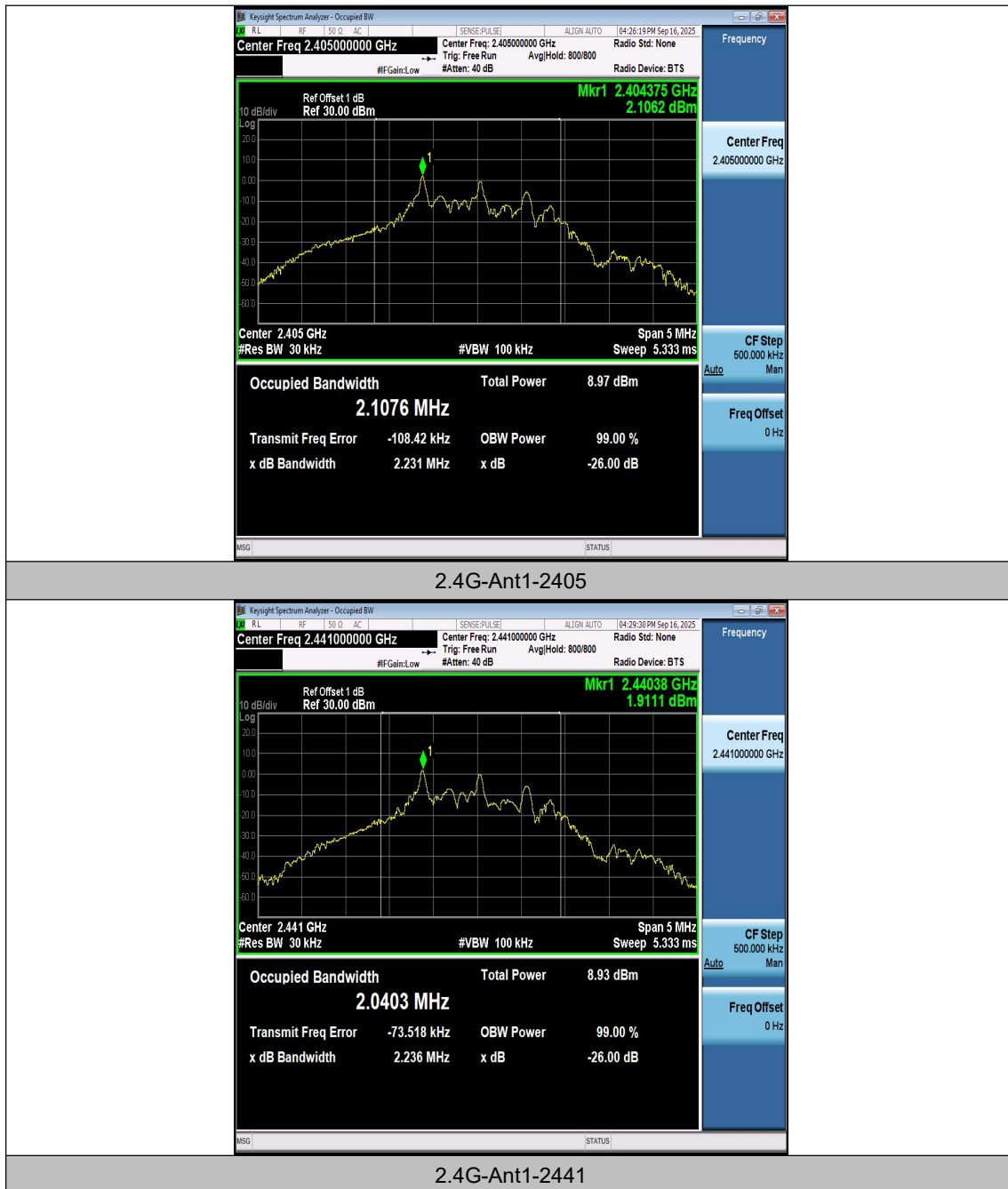
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Appendix B: 99% Occupied Bandwidth**Test Result**

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2405	2.1076	2403.8378	2405.9454	---	---
2.4G	Ant1	2441	2.0403	2439.9063	2441.9466	---	---
2.4G	Ant1	2475	1.9475	2473.9938	2475.9413	---	---

Test Graphs



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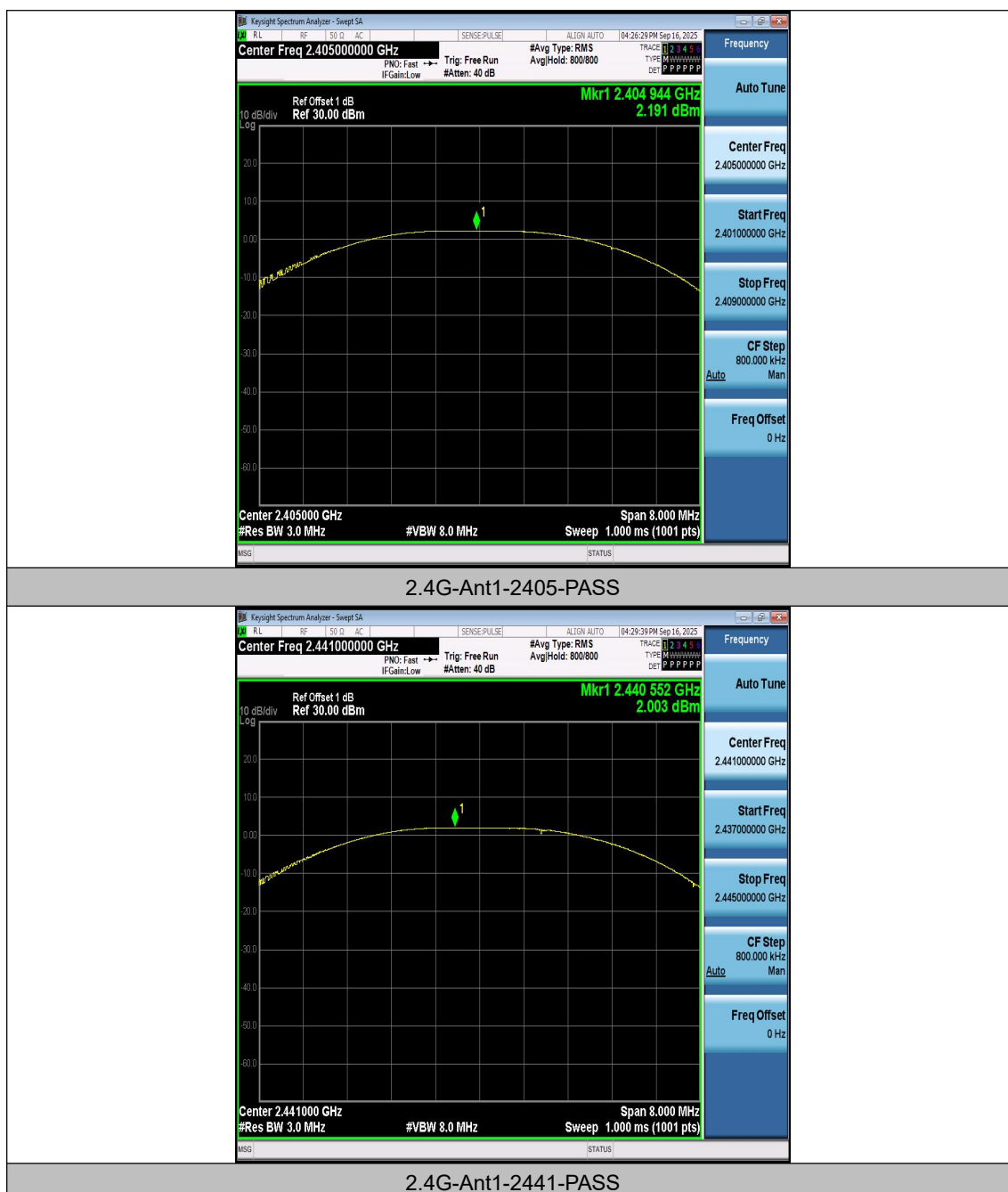
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Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2405	2.19	≤20.97	PASS
2.4G	Ant1	2441	2.00	≤20.97	PASS
2.4G	Ant1	2475	1.73	≤20.97	PASS

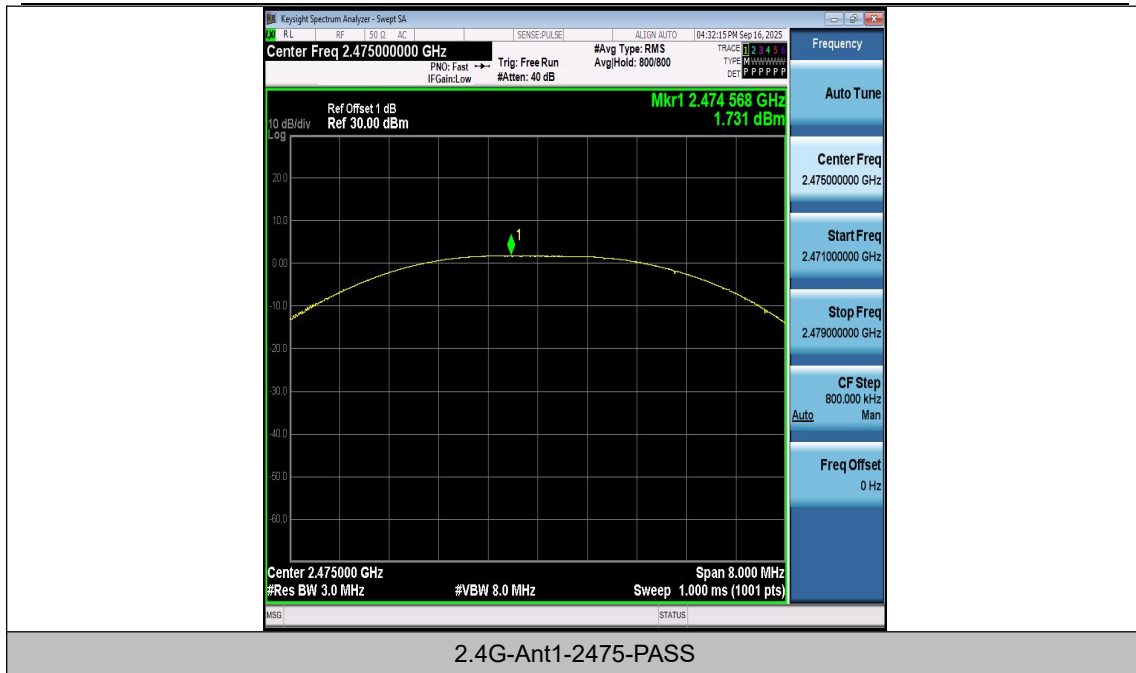
Test Graphs



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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	≥1.193	PASS

Test Graphs



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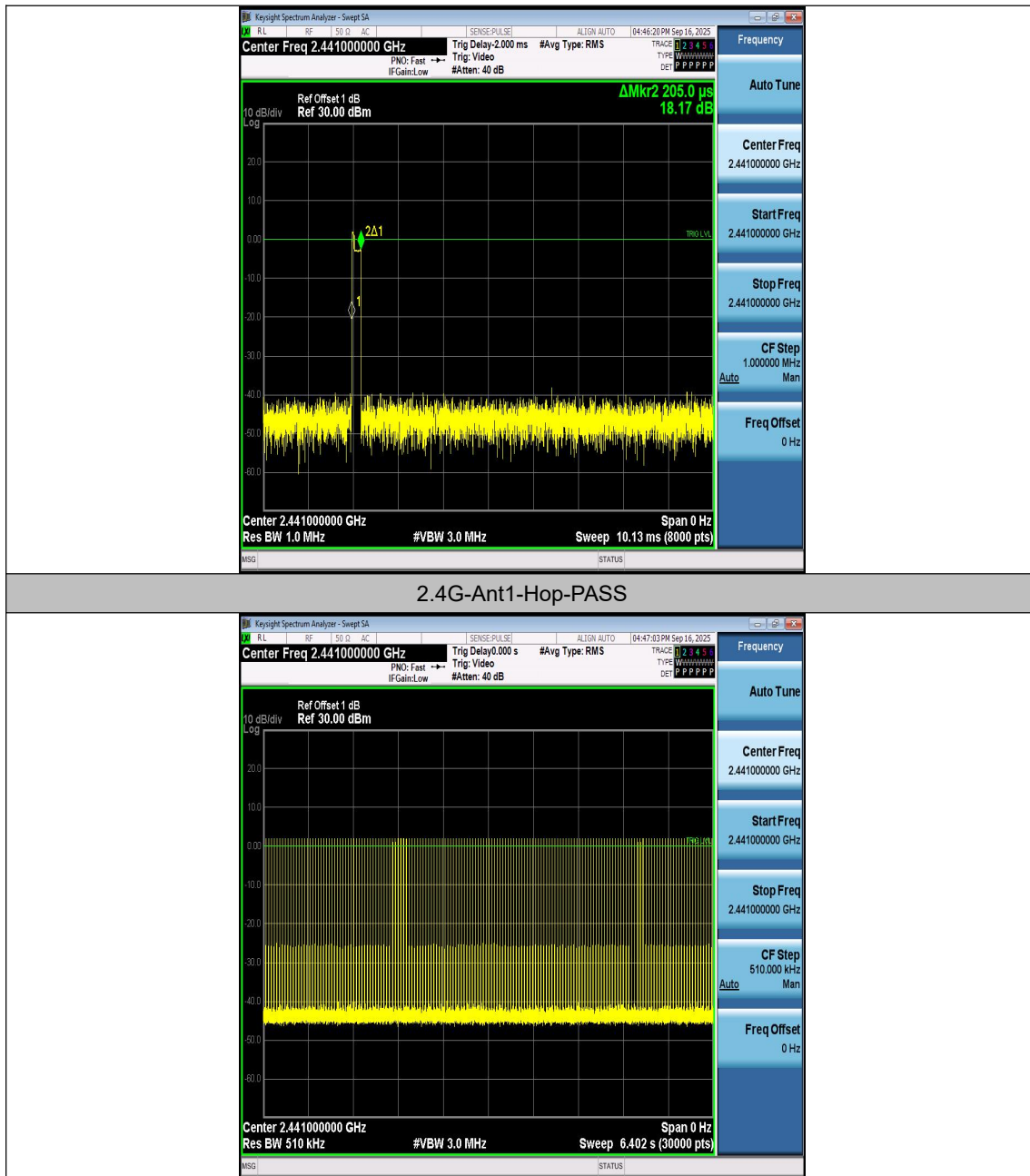
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Appendix E: Dwell Time

Test Result

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

Test Graphs



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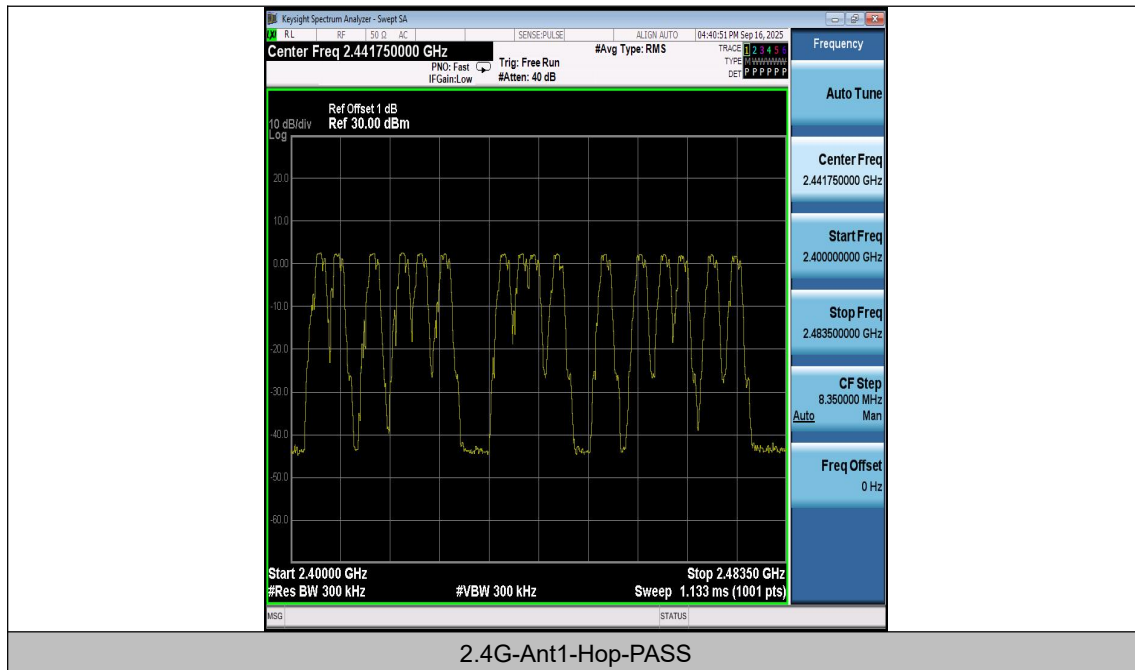
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Appendix F: Number of Hopping Channel

Test Result

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

Test Graphs



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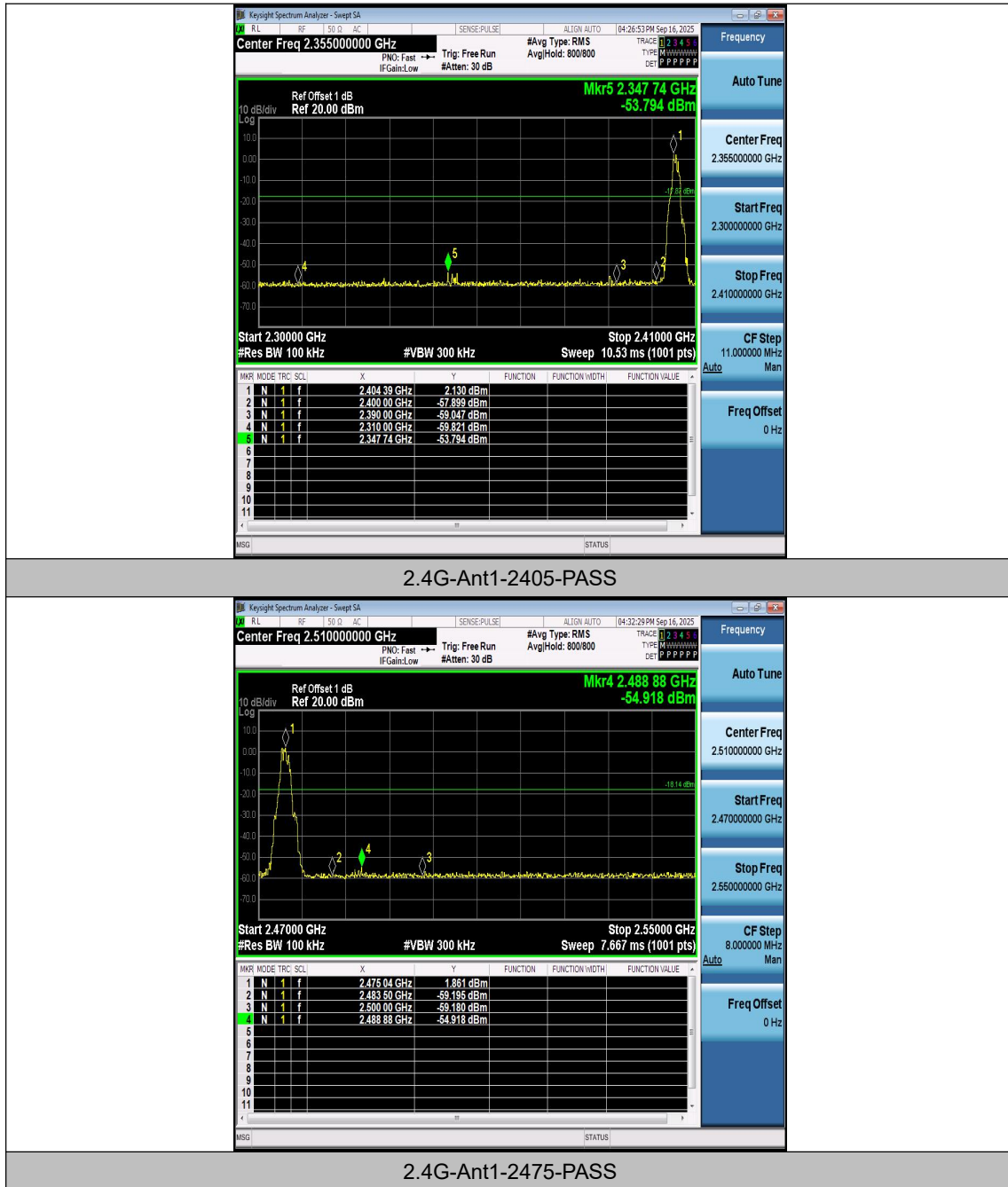
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2405	2.13	-53.79	≤-17.87	PASS
2.4G	Ant1	High	2475	1.86	-54.92	≤-18.14	PASS
2.4G	Ant1	Low	Hop	2.20	-57.08	≤-17.8	PASS
2.4G	Ant1	High	Hop	1.73	-55.86	≤-18.28	PASS

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

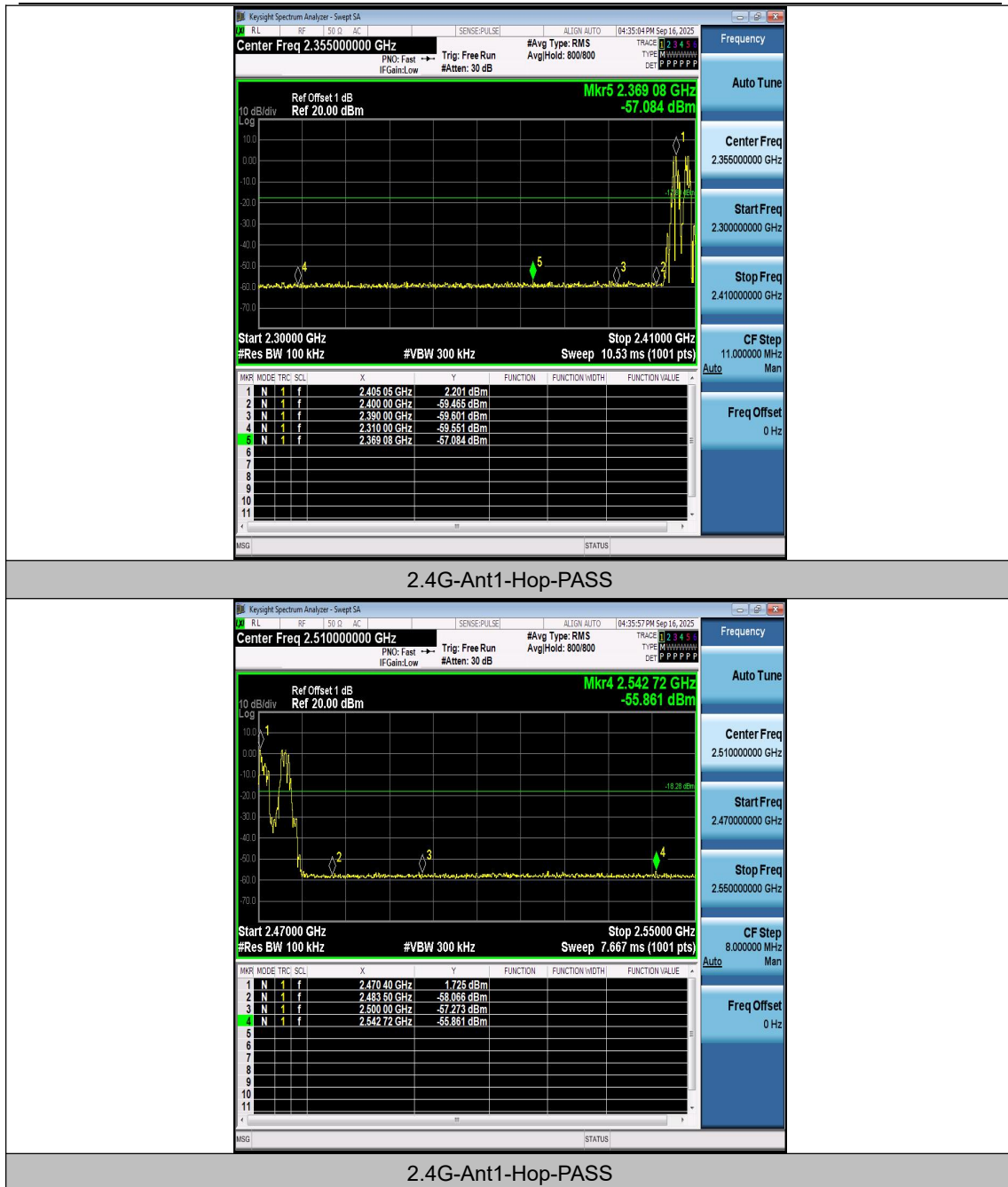
Test Graphs



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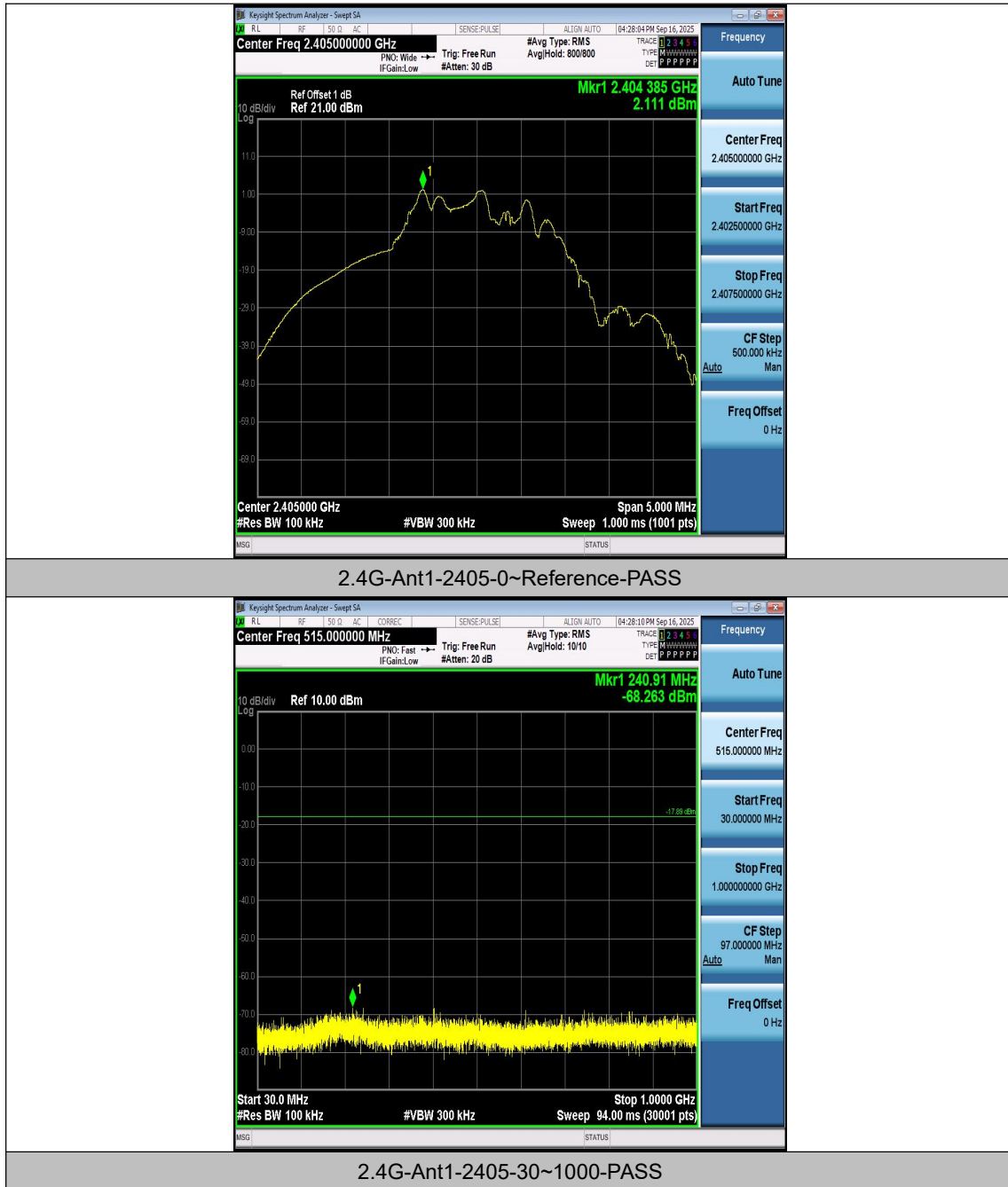
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2405	0~Reference	2.11	2.11	---	PASS
2.4G	Ant1	2405	30~1000	2.11	-68.26	≤-17.89	PASS
2.4G	Ant1	2405	1000~26500	2.11	-53.36	≤-17.89	PASS
2.4G	Ant1	2441	0~Reference	1.91	1.91	---	PASS
2.4G	Ant1	2441	30~1000	1.91	-69	≤-18.09	PASS
2.4G	Ant1	2441	1000~26500	1.91	-52.42	≤-18.09	PASS
2.4G	Ant1	2475	0~Reference	1.67	1.67	---	PASS
2.4G	Ant1	2475	30~1000	1.67	-67.71	≤-18.33	PASS
2.4G	Ant1	2475	1000~26500	1.67	-52.71	≤-18.33	PASS

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

Test Graphs



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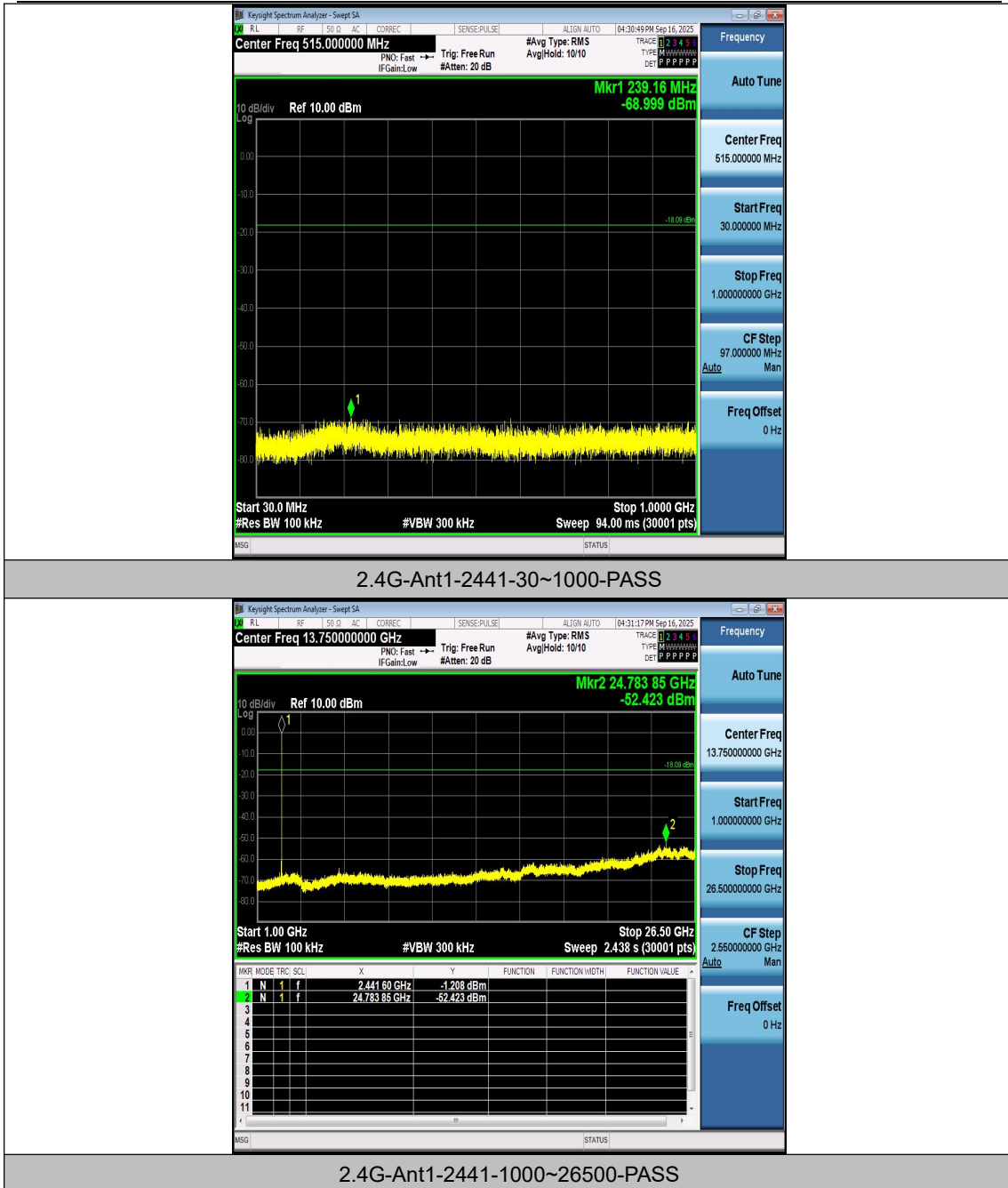
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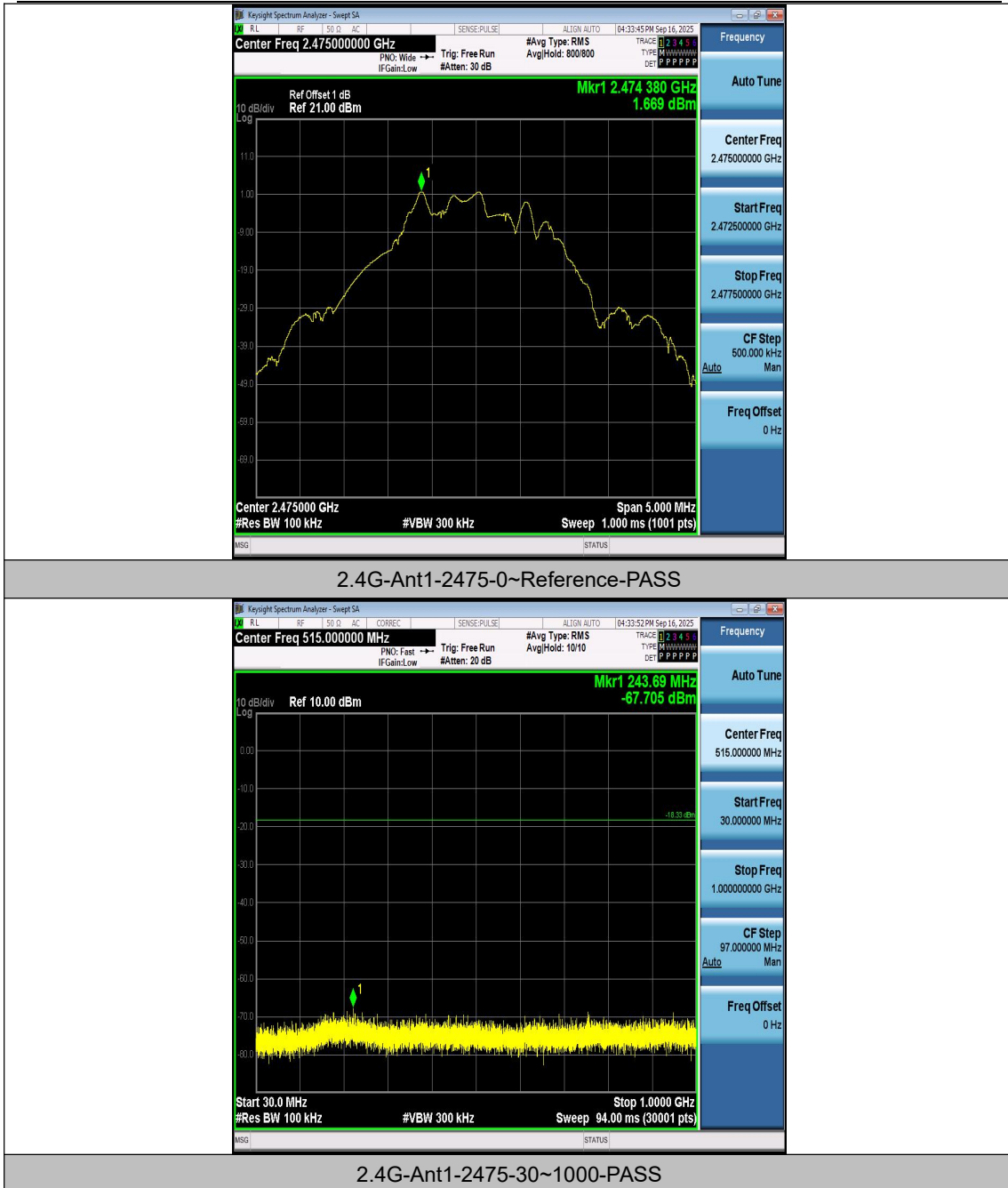
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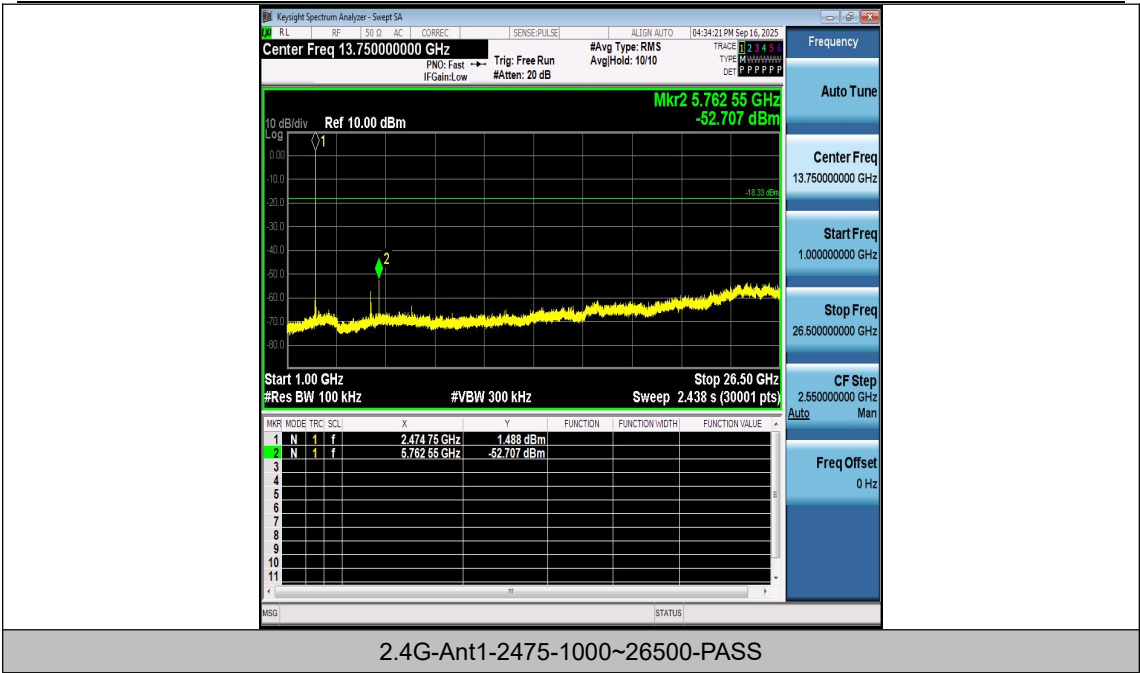
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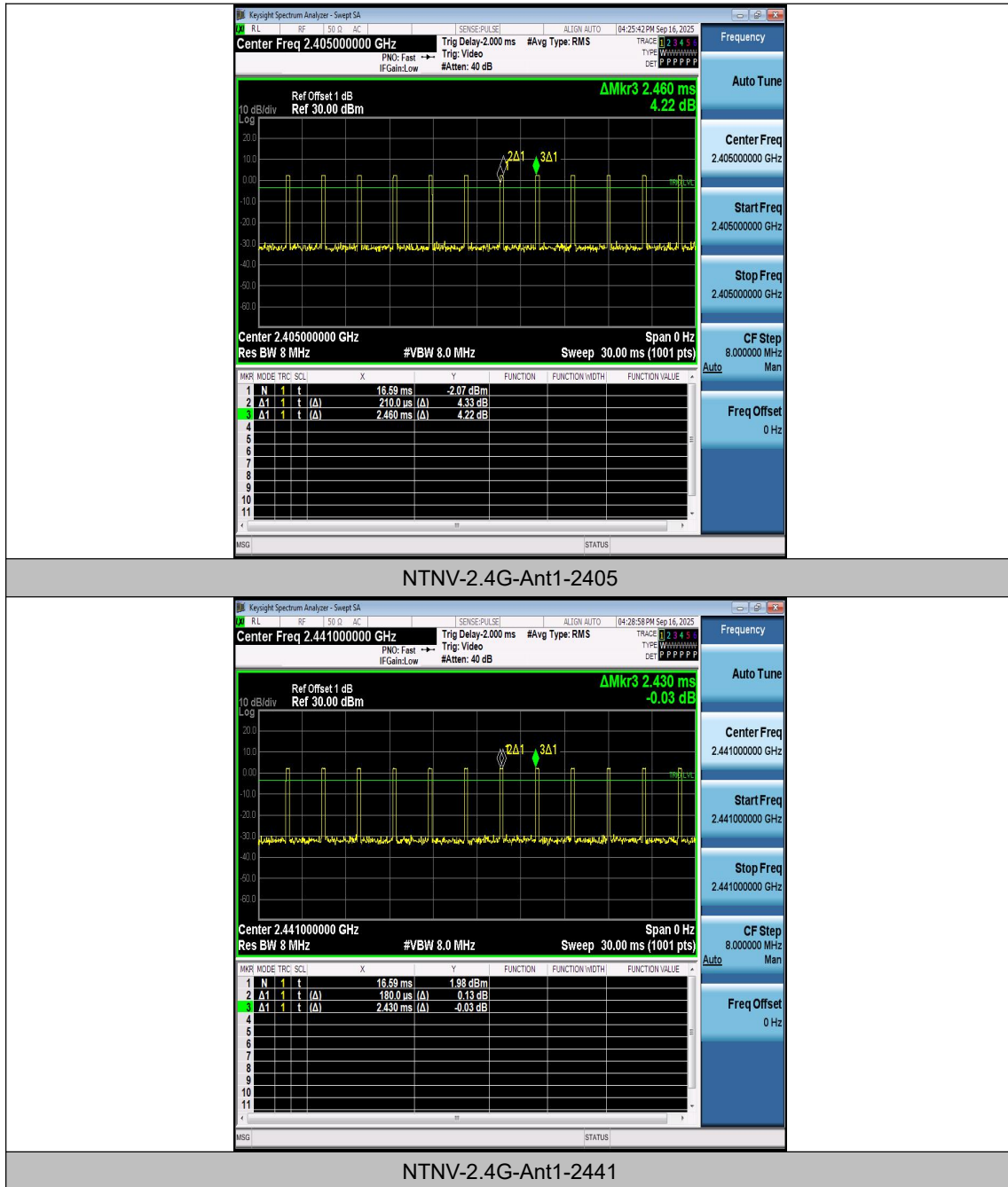
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Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2405	0.21	2.46	8.54	10.69
2.4G	Ant1	2441	0.18	2.43	7.41	11.30
2.4G	Ant1	2475	0.18	2.43	7.41	11.30

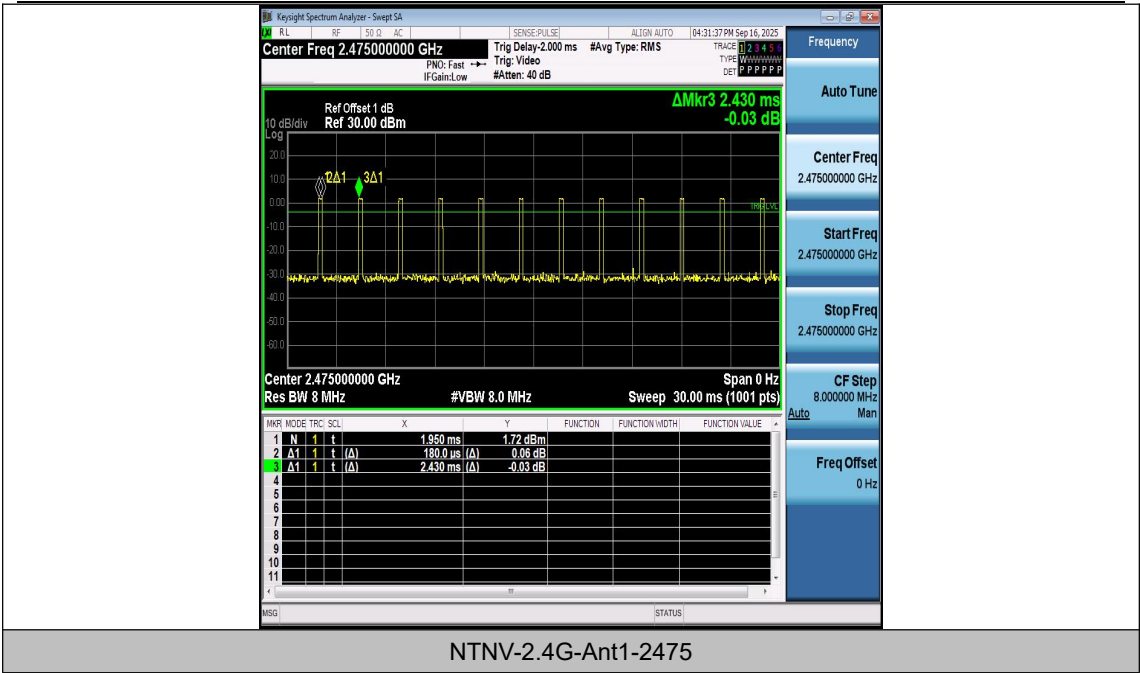
Test Graphs



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