

Appendix Test Data

Report No.:	1812C50503312501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-10-09	Finish Test Date:	2025-10-09
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	27.2°C	Relative Humidity:	51%
Pressure:	101kPa		

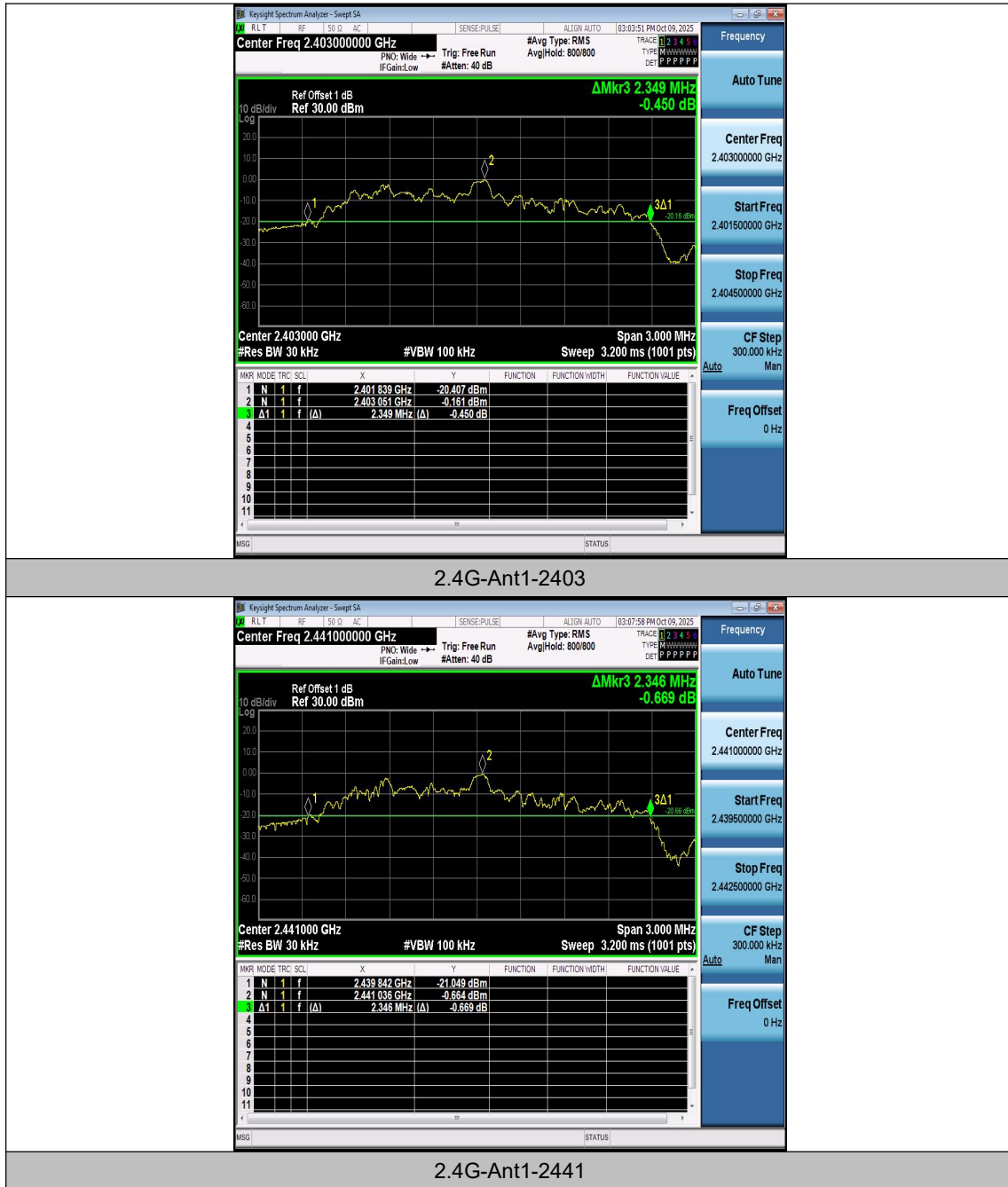


Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.349	2401.839	2404.188	---	---
2.4G	Ant1	2441	2.346	2439.842	2442.188	---	---
2.4G	Ant1	2480	2.337	2478.842	2481.179	---	---

Test Graphs



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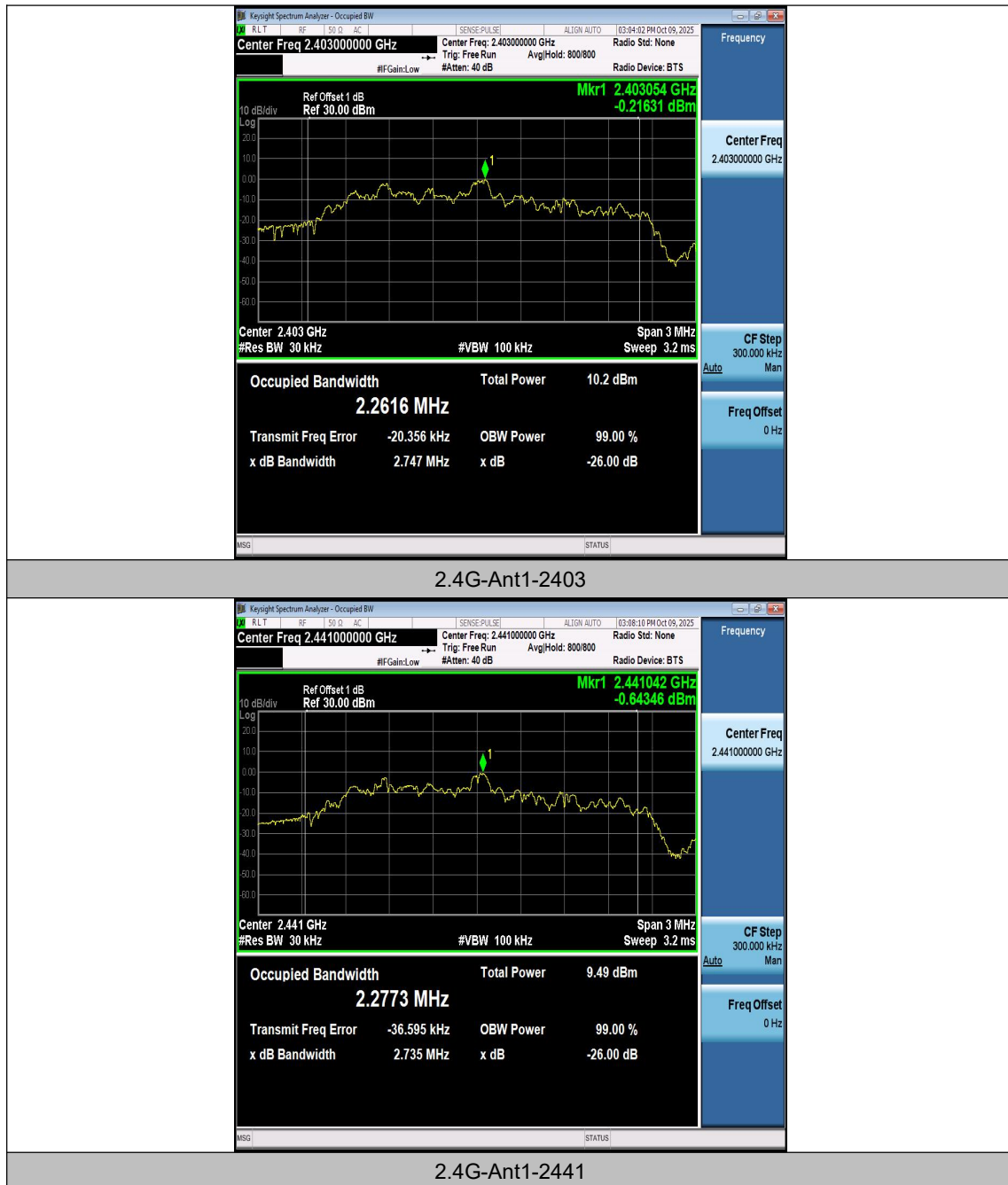
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Appendix B: 99% Occupied Bandwidth**Test Result**

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.2616	2401.8488	2404.1104	---	---
2.4G	Ant1	2441	2.2773	2439.8248	2442.1021	---	---
2.4G	Ant1	2480	2.2453	2478.8577	2481.1030	---	---

Test Graphs



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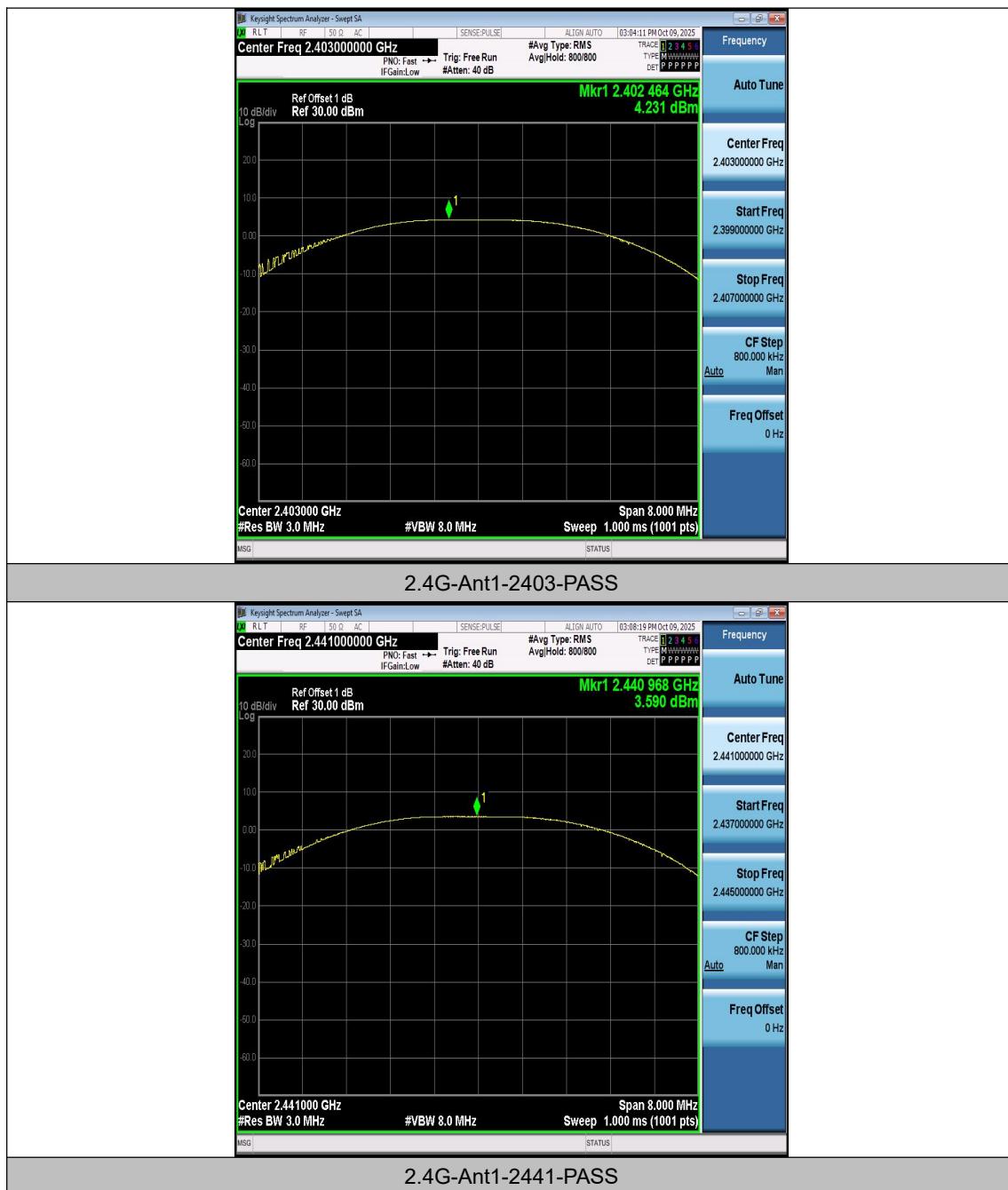
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Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	4.23	≤20.97	PASS
2.4G	Ant1	2441	3.59	≤20.97	PASS
2.4G	Ant1	2480	3.79	≤20.97	PASS

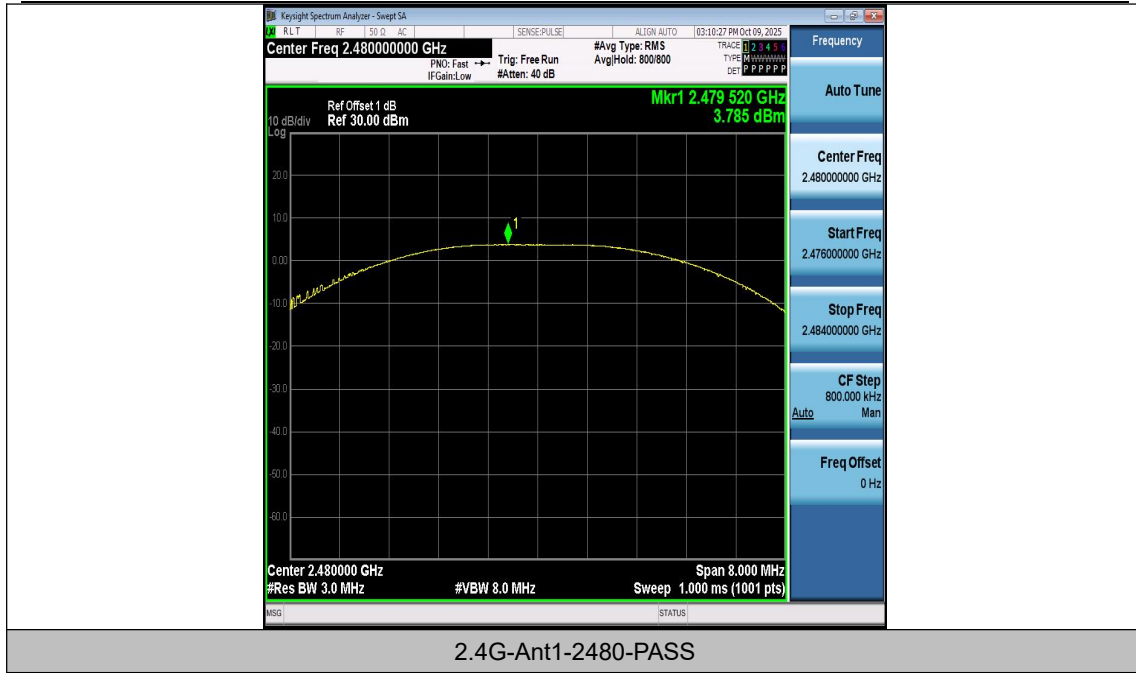
Test Graphs



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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.980	≥1.566	PASS

Test Graphs

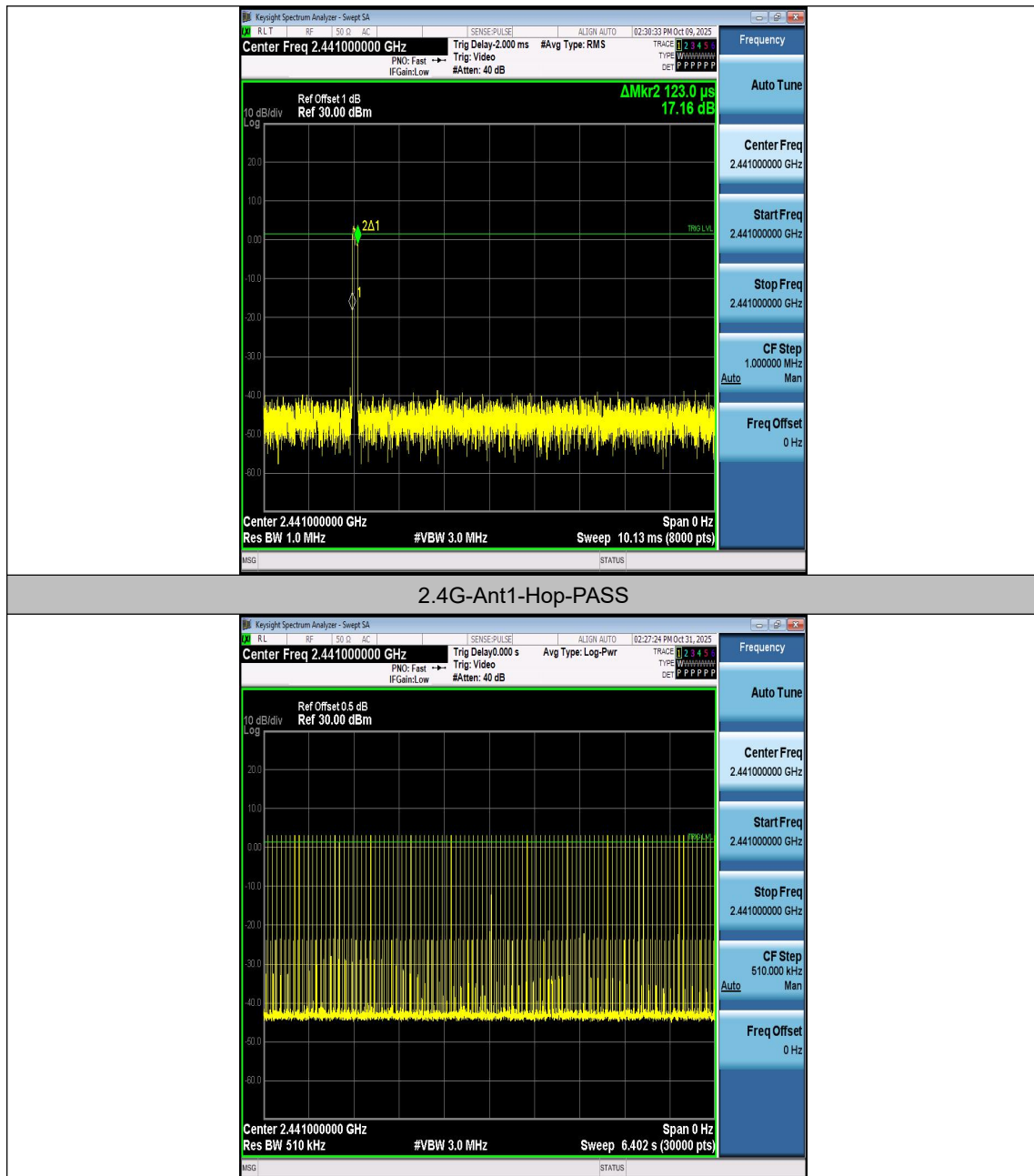


Appendix E: Dwell Time

Test Result

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

Test Graphs

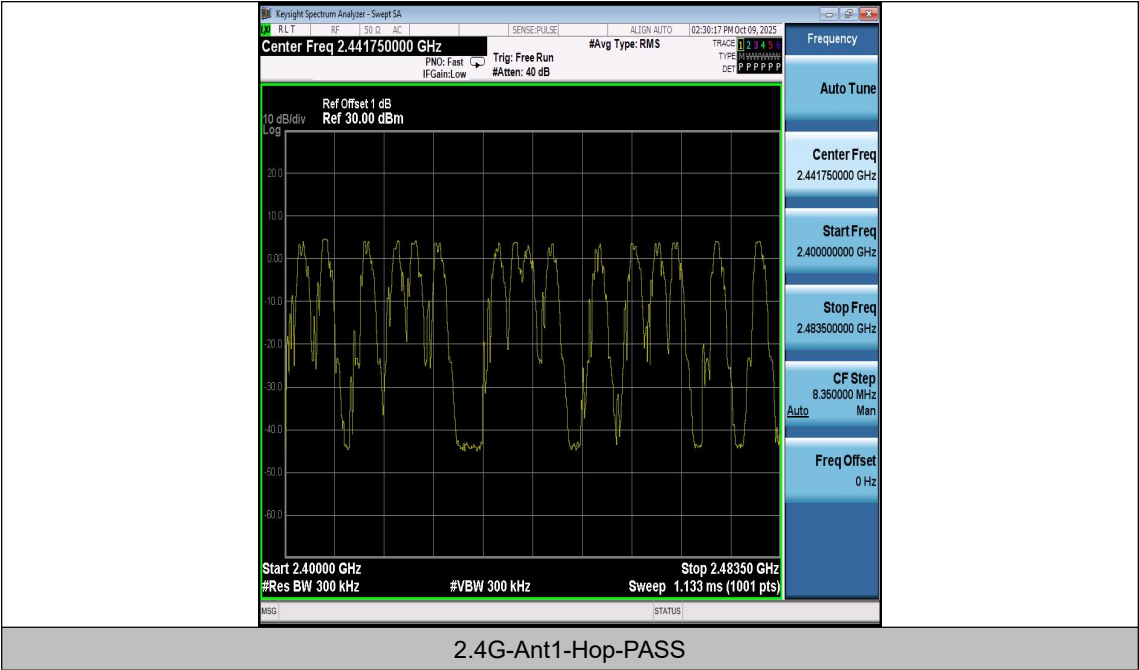


Appendix F: Number of Hopping Channel

Test Result

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

Test Graphs



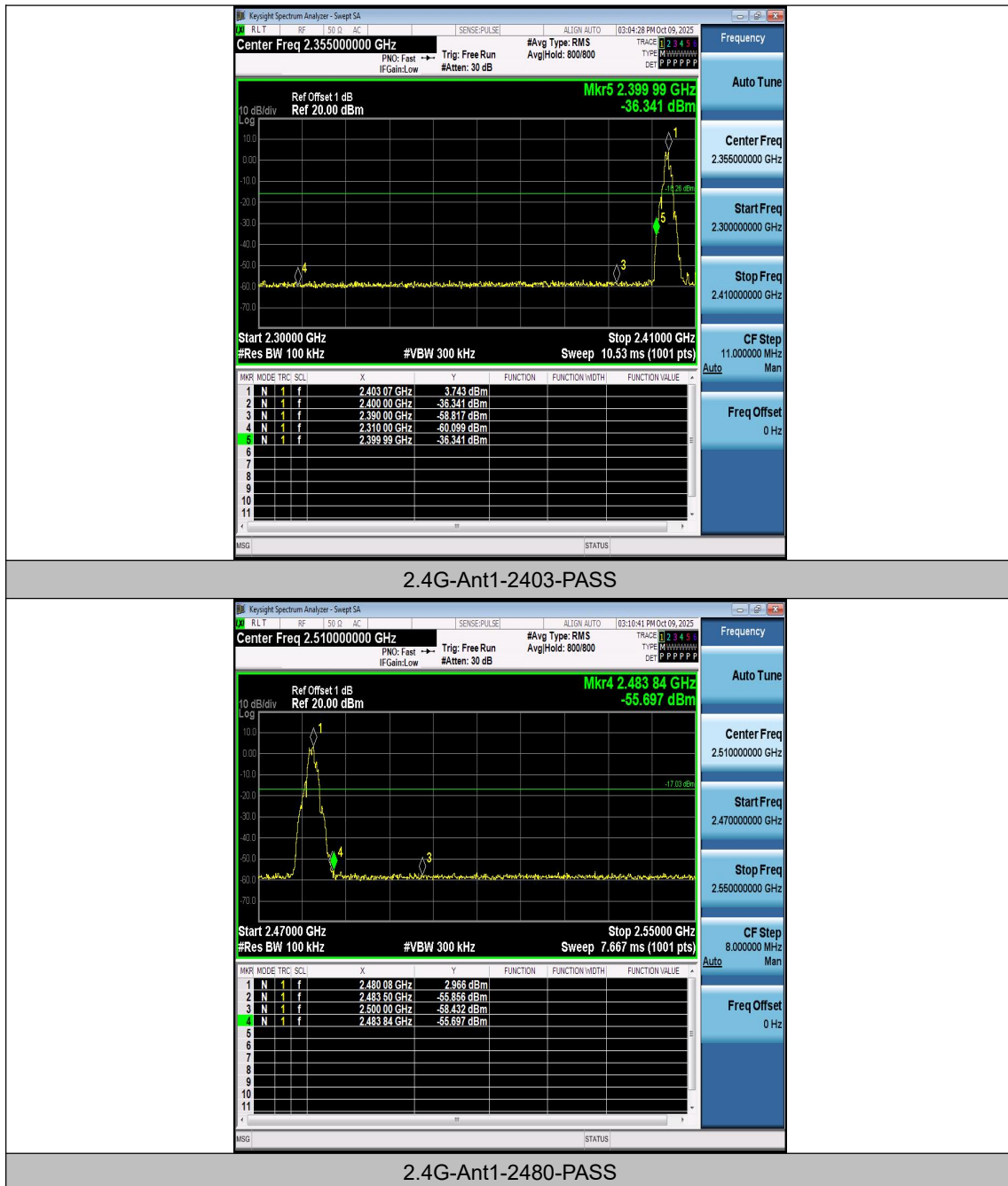
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	3.74	-36.34	≤-16.26	PASS
2.4G	Ant1	High	2480	2.97	-55.7	≤-17.03	PASS
2.4G	Ant1	Low	Hop	3.81	-37.53	≤-16.19	PASS
2.4G	Ant1	High	Hop	2.47	-55.82	≤-17.53	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.

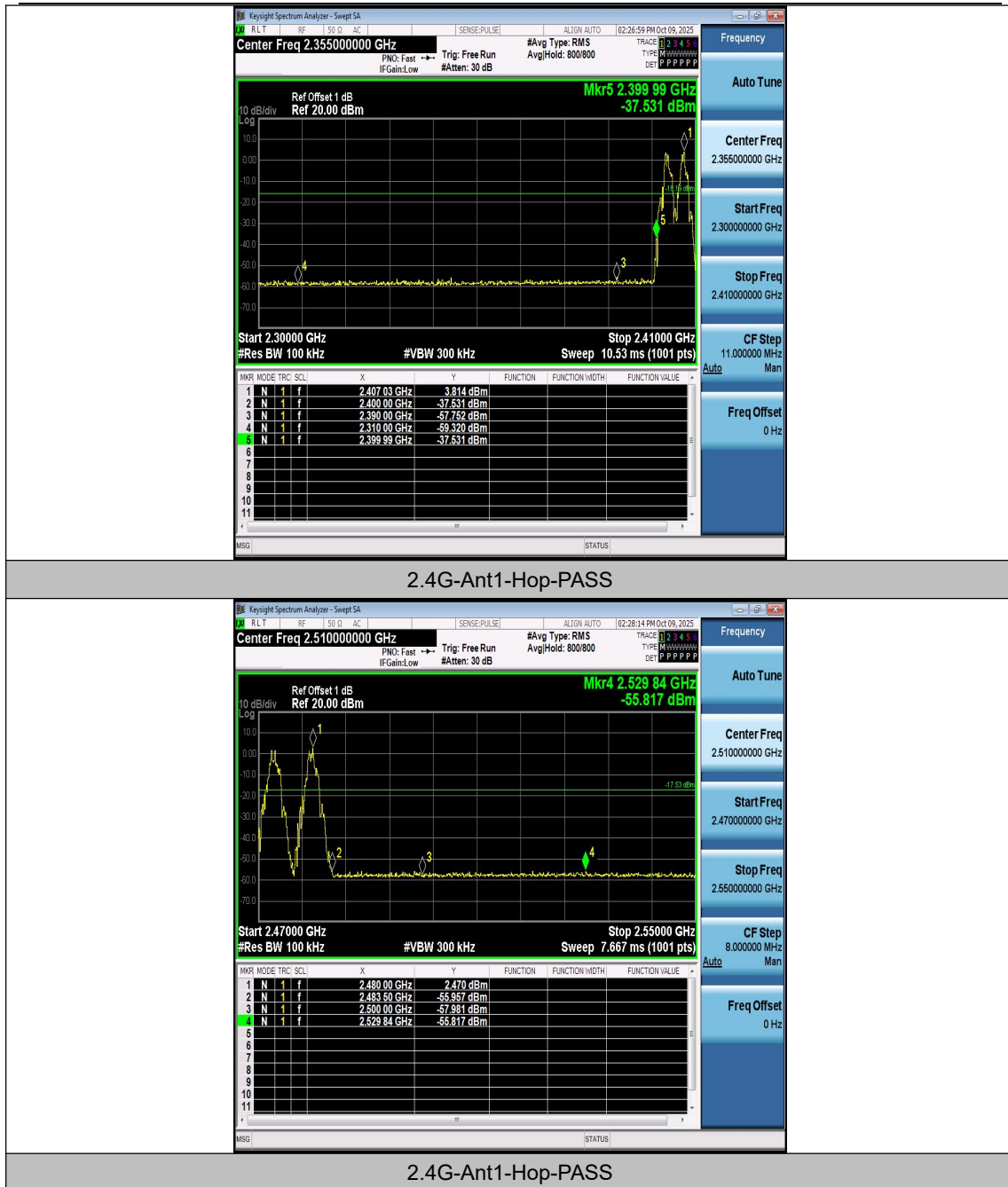
Test Graphs



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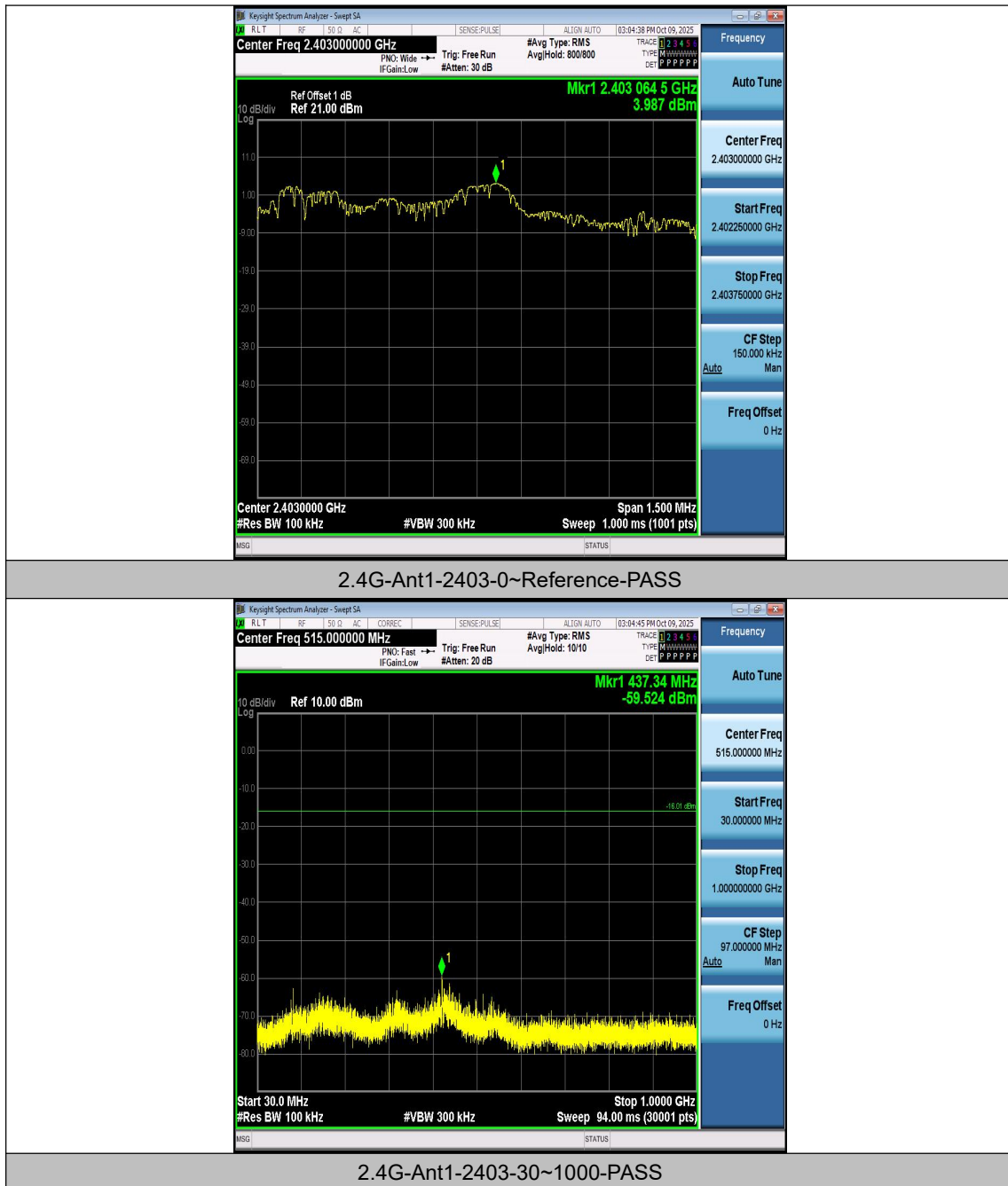
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	0~Reference	3.99	3.99	---	PASS
2.4G	Ant1	2403	30~1000	3.99	-59.52	≤-16.01	PASS
2.4G	Ant1	2403	1000~26500	3.99	-32.7	≤-16.01	PASS
2.4G	Ant1	2441	0~Reference	3.38	3.38	---	PASS
2.4G	Ant1	2441	30~1000	3.38	-58.02	≤-16.62	PASS
2.4G	Ant1	2441	1000~26500	3.38	-52.94	≤-16.62	PASS
2.4G	Ant1	2480	0~Reference	3.55	3.55	---	PASS
2.4G	Ant1	2480	30~1000	3.55	-58.06	≤-16.45	PASS
2.4G	Ant1	2480	1000~26500	3.55	-52.11	≤-16.45	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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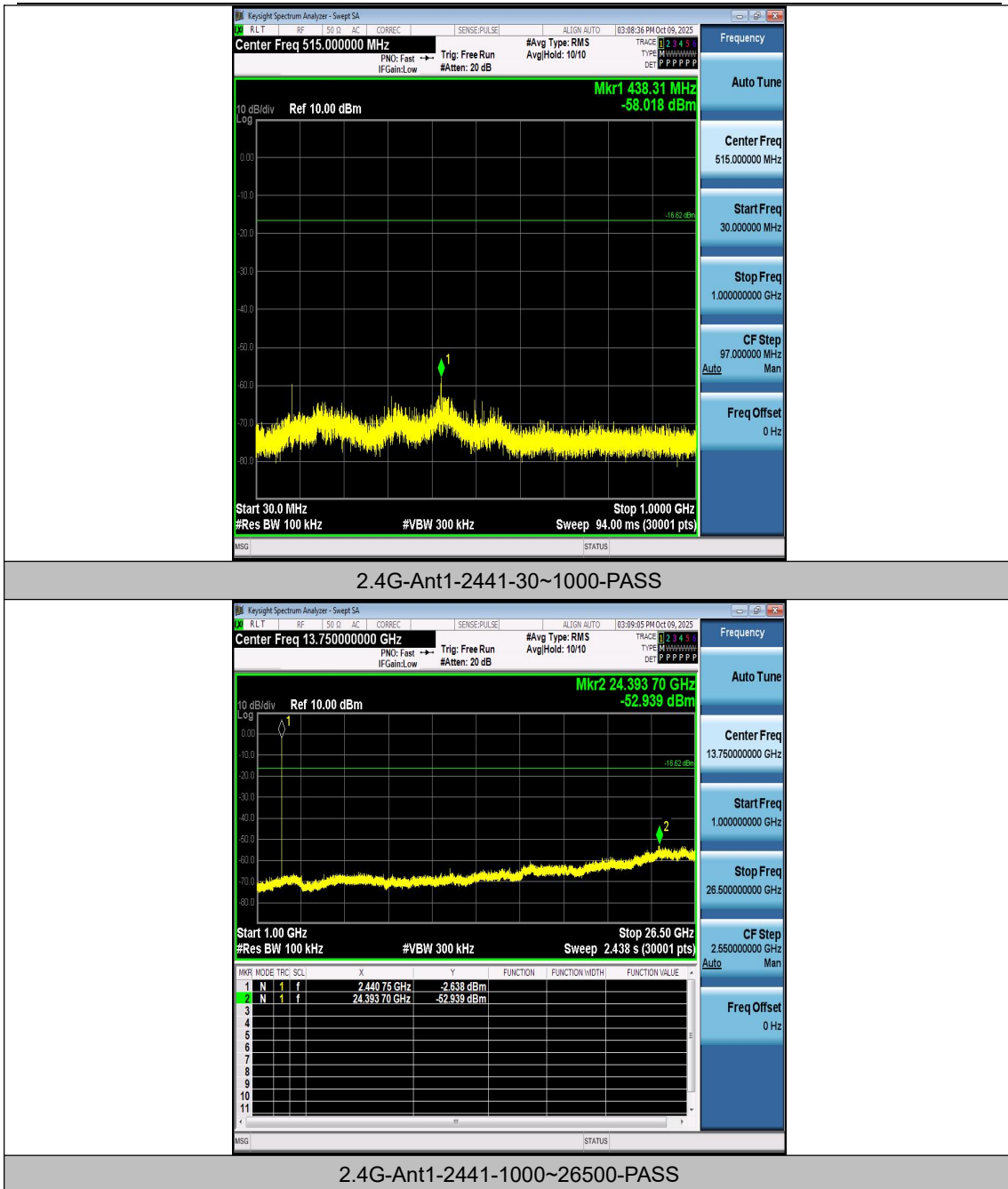
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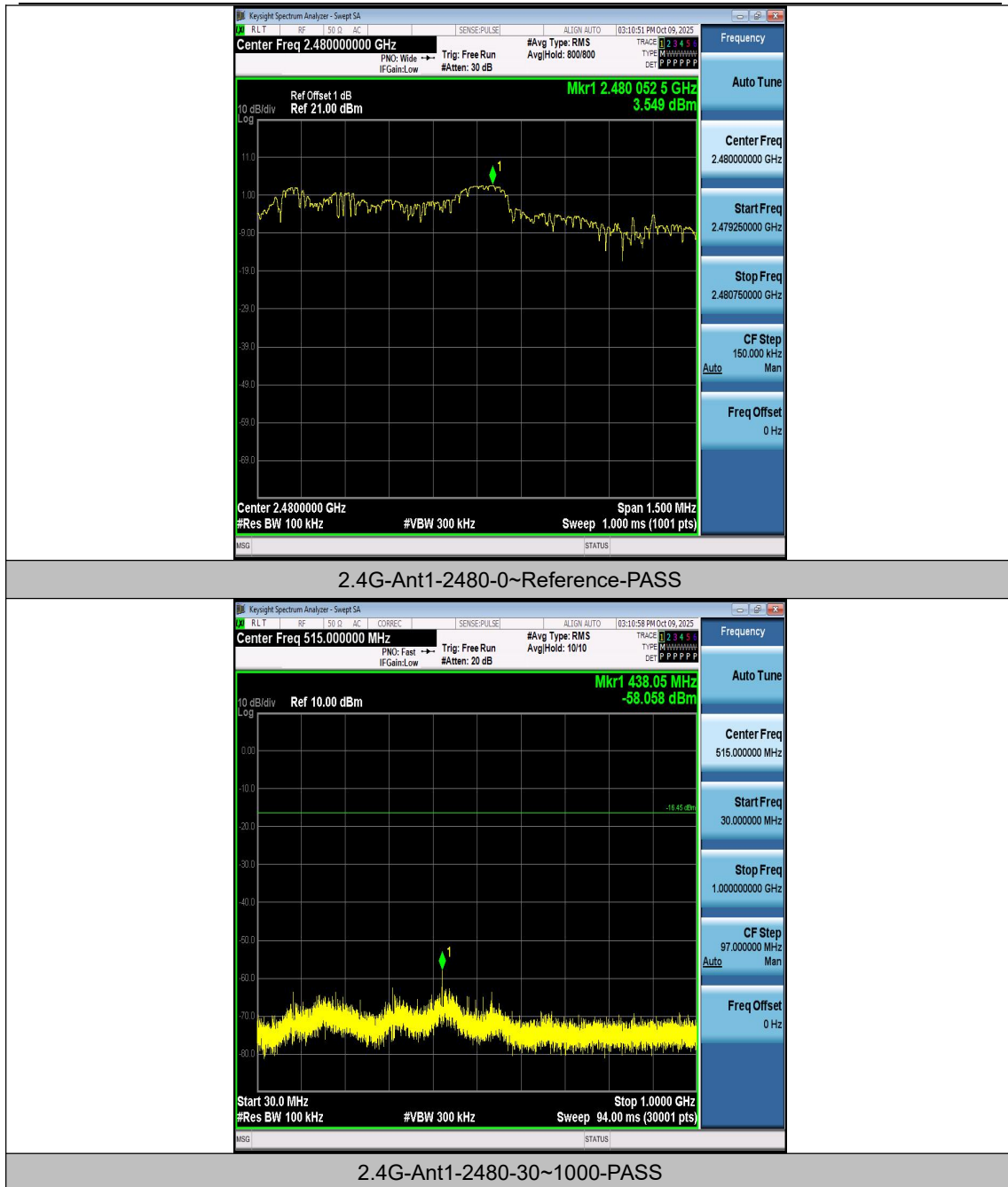
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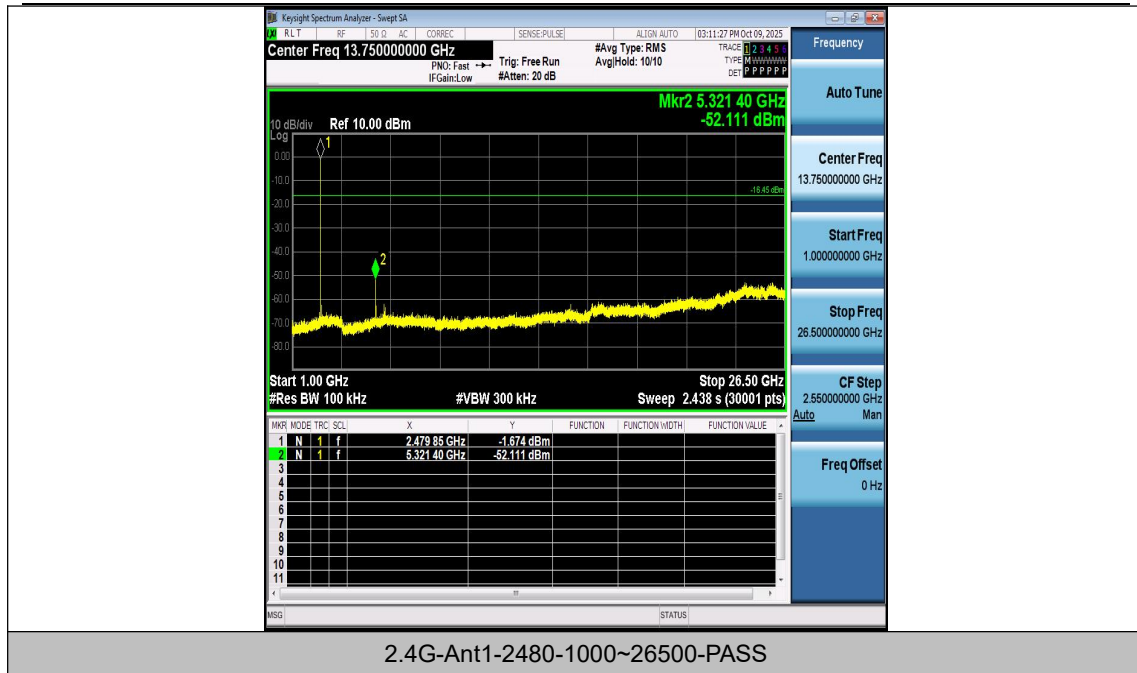
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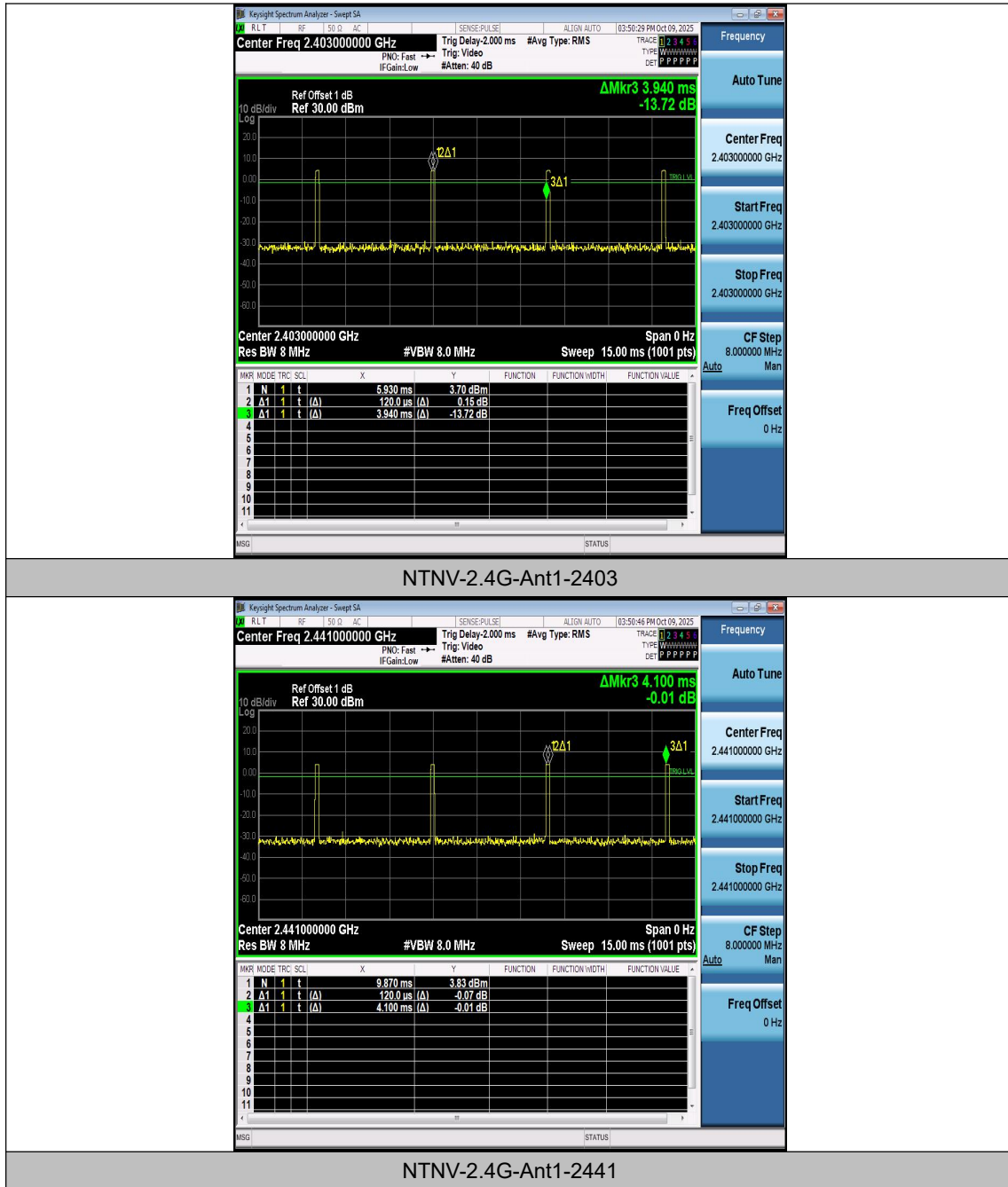
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Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2403	0.12	3.94	3.05	15.16
2.4G	Ant1	2441	0.12	4.10	2.93	15.33
2.4G	Ant1	2480	0.12	3.96	3.03	15.19

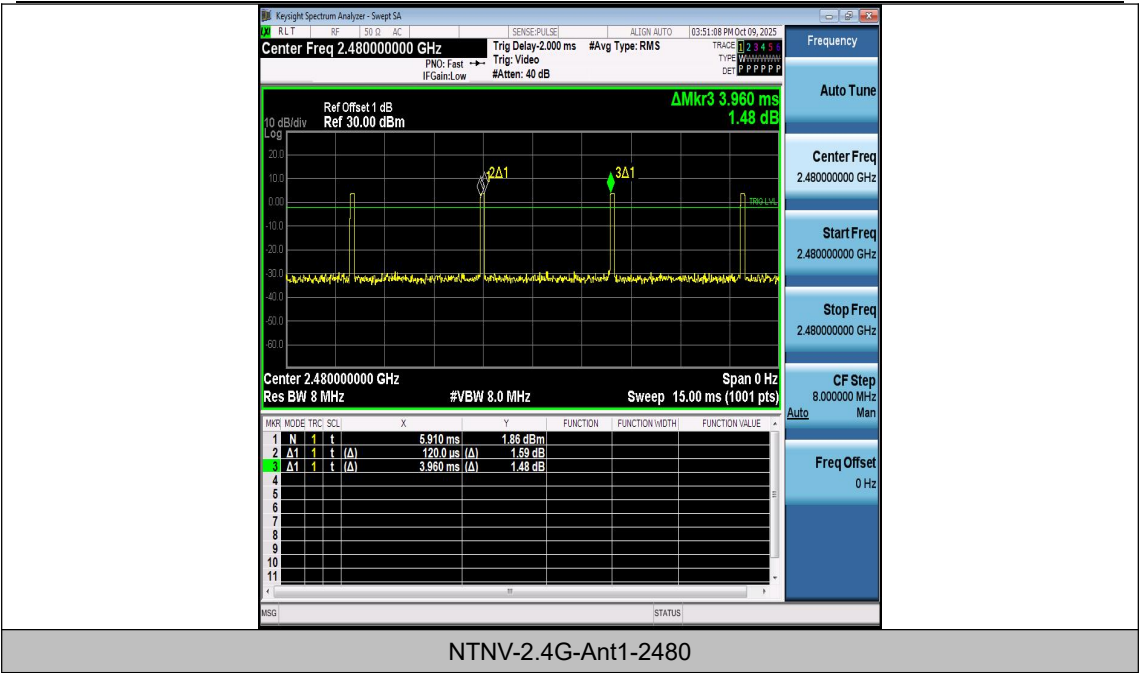
Test Graphs



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