

Appendix Test Data

Report No.:	1812C50528212502	Test Sample No.:	1-2-2
Start Test Date:	2025-10-19	Finish Test Date:	2025-10-20
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	26.7°C	Humidity:	60%
Pressure:	101kPa		

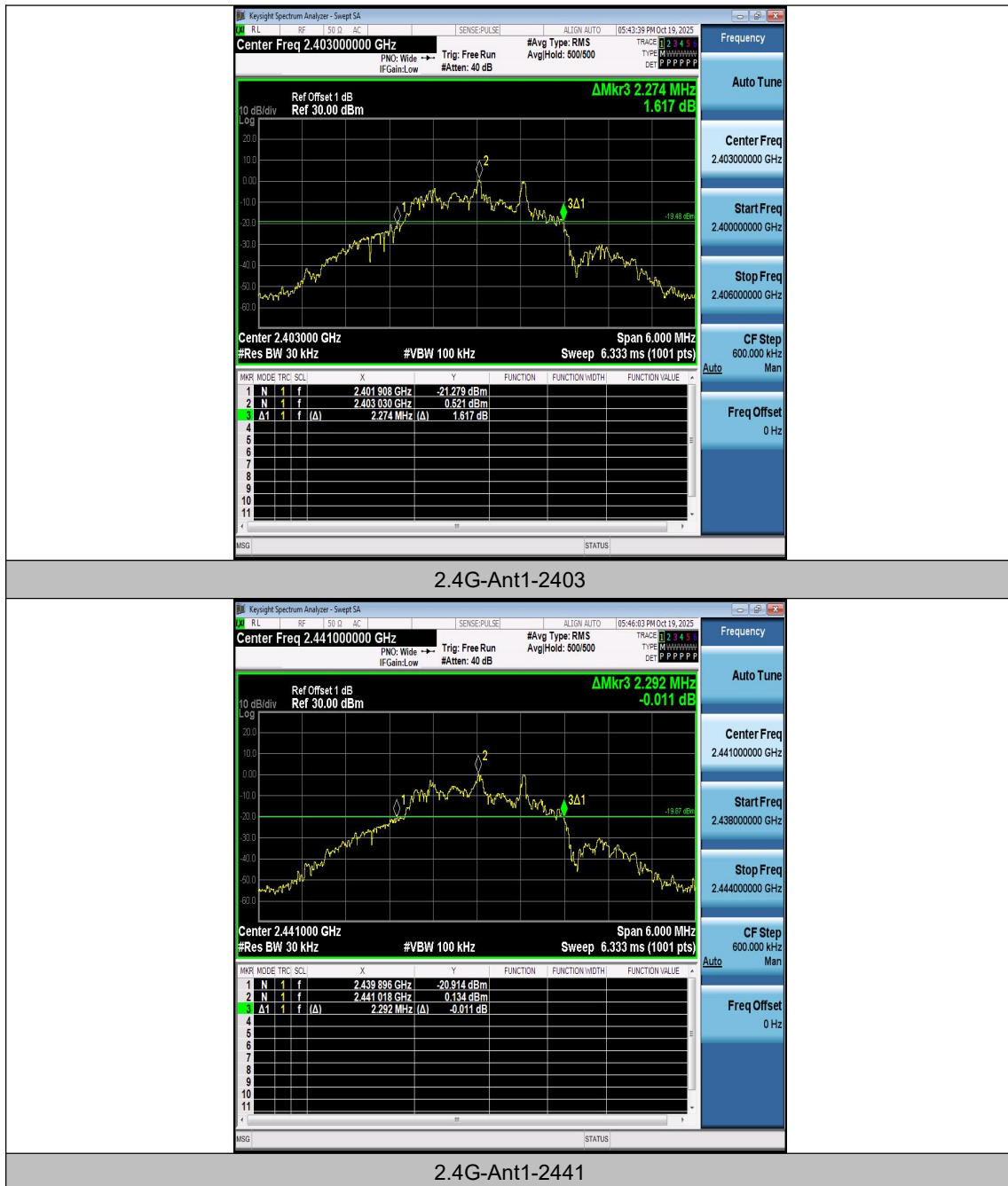


Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.274	2401.908	2404.182	---	---
2.4G	Ant1	2441	2.292	2439.896	2442.188	---	---
2.4G	Ant1	2480	2.172	2479.010	2481.182	---	---

Test Graphs



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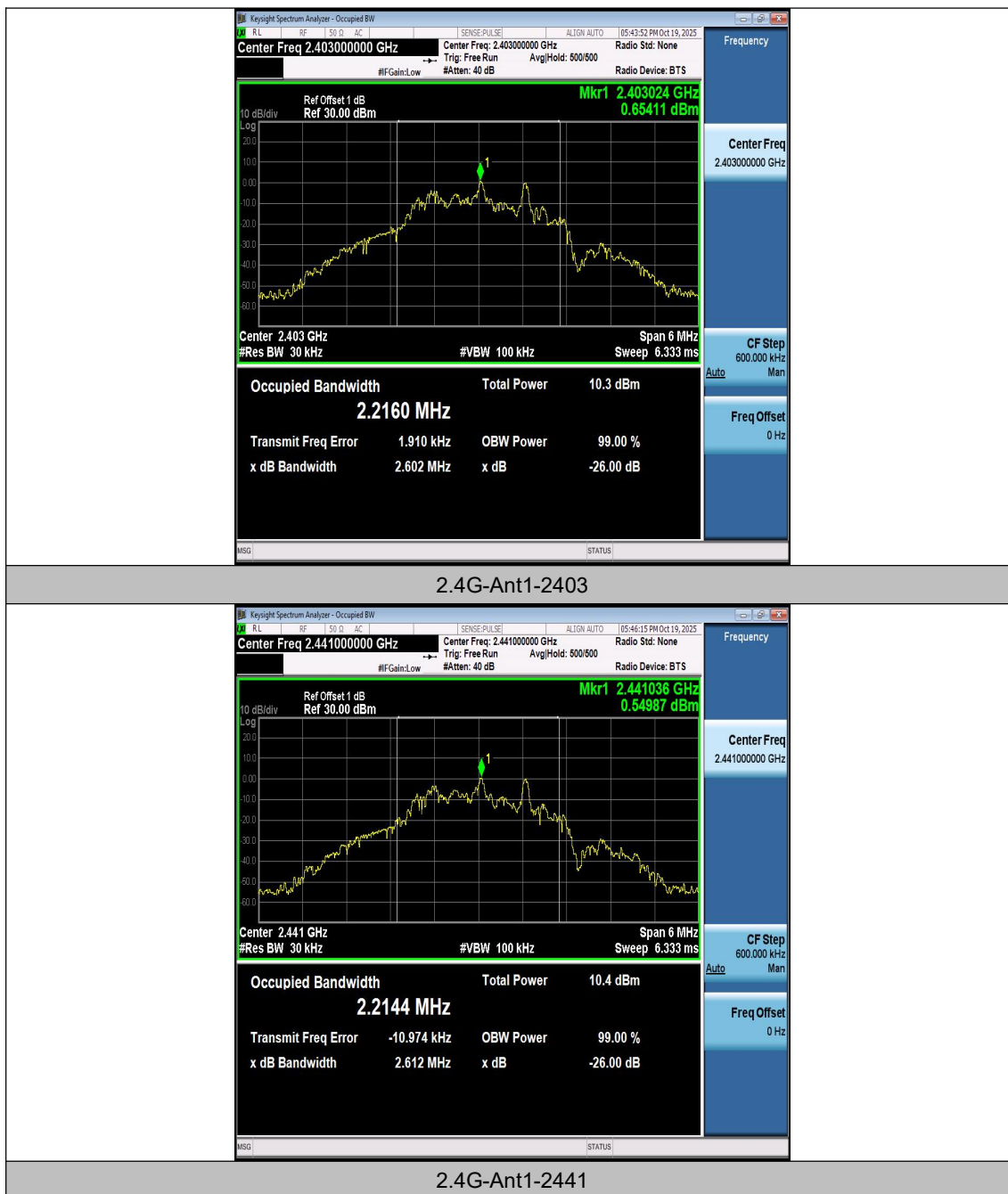
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Appendix B: 99% Occupied Bandwidth**Test Result**

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.2160	2401.8939	2404.1099	---	---
2.4G	Ant1	2441	2.2144	2439.8818	2442.0962	---	---
2.4G	Ant1	2480	2.1965	2478.8992	2481.0957	---	---

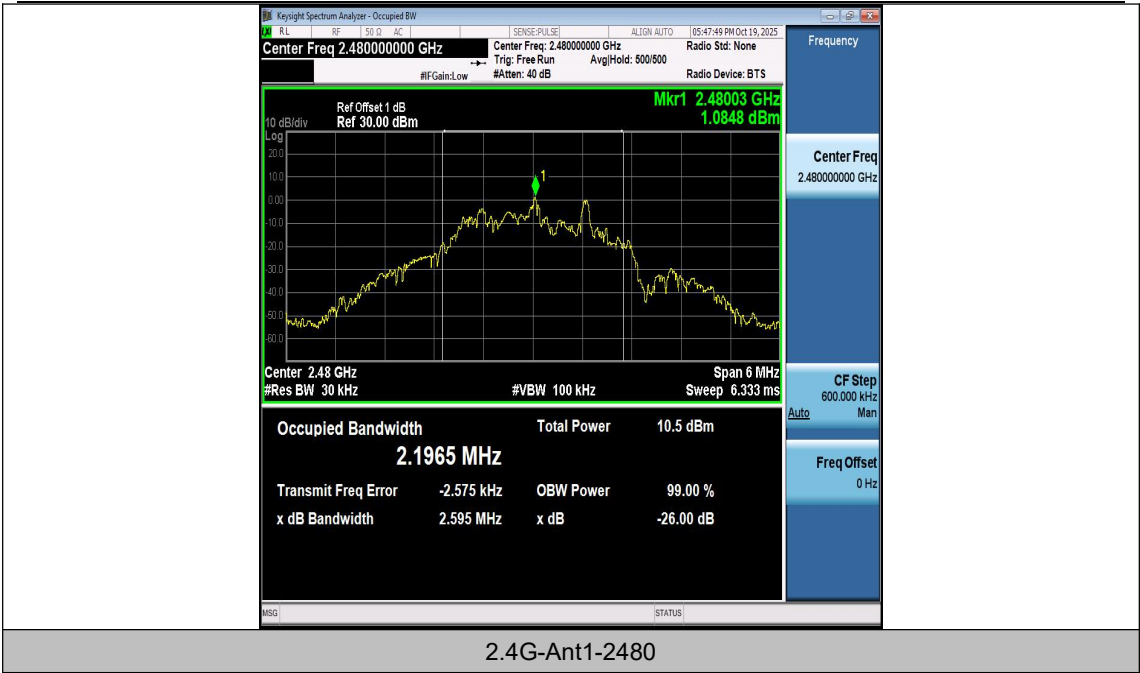
Test Graphs



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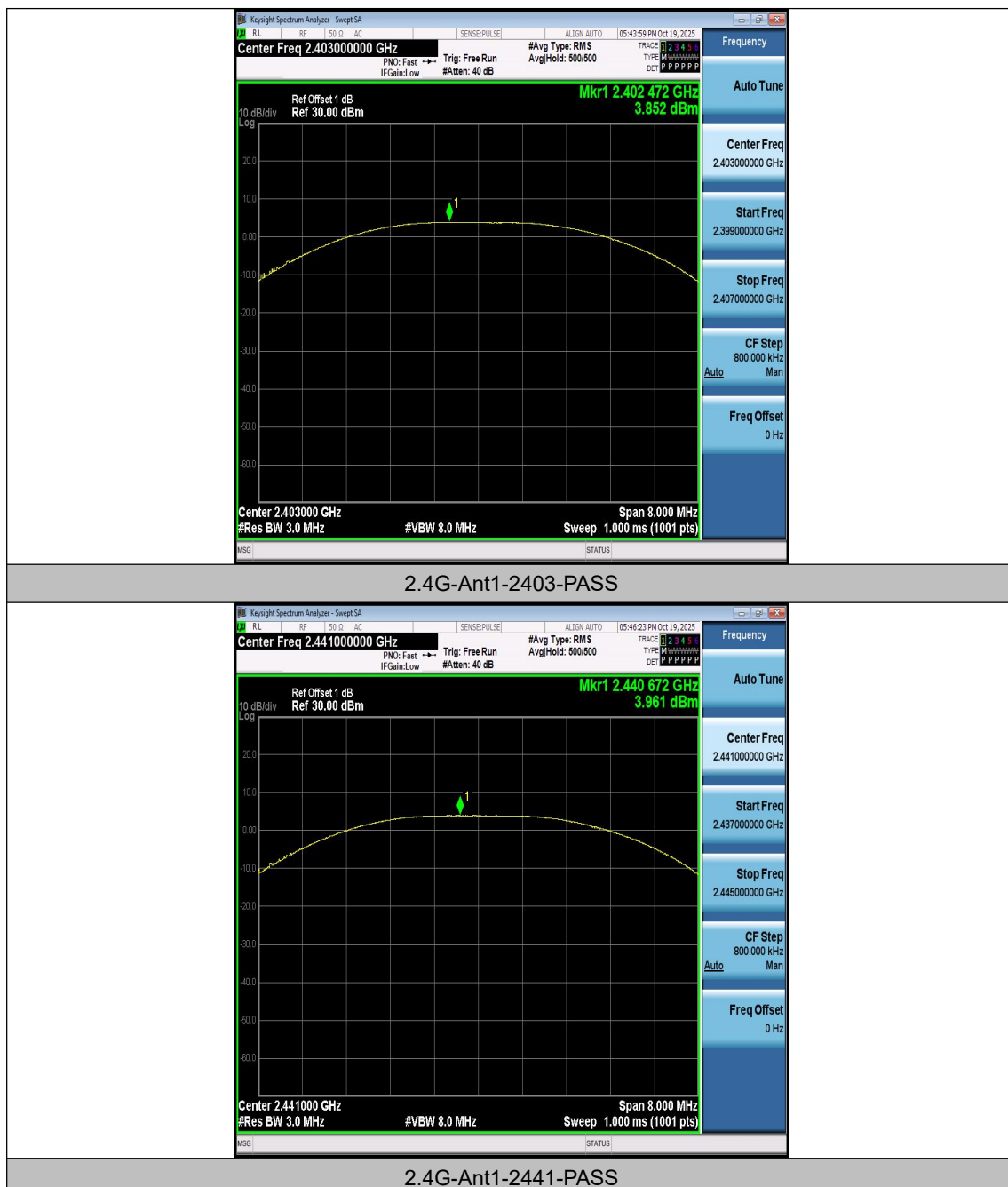
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Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	3.85	≤20.97	PASS
2.4G	Ant1	2441	3.96	≤20.97	PASS
2.4G	Ant1	2480	4.20	≤20.97	PASS

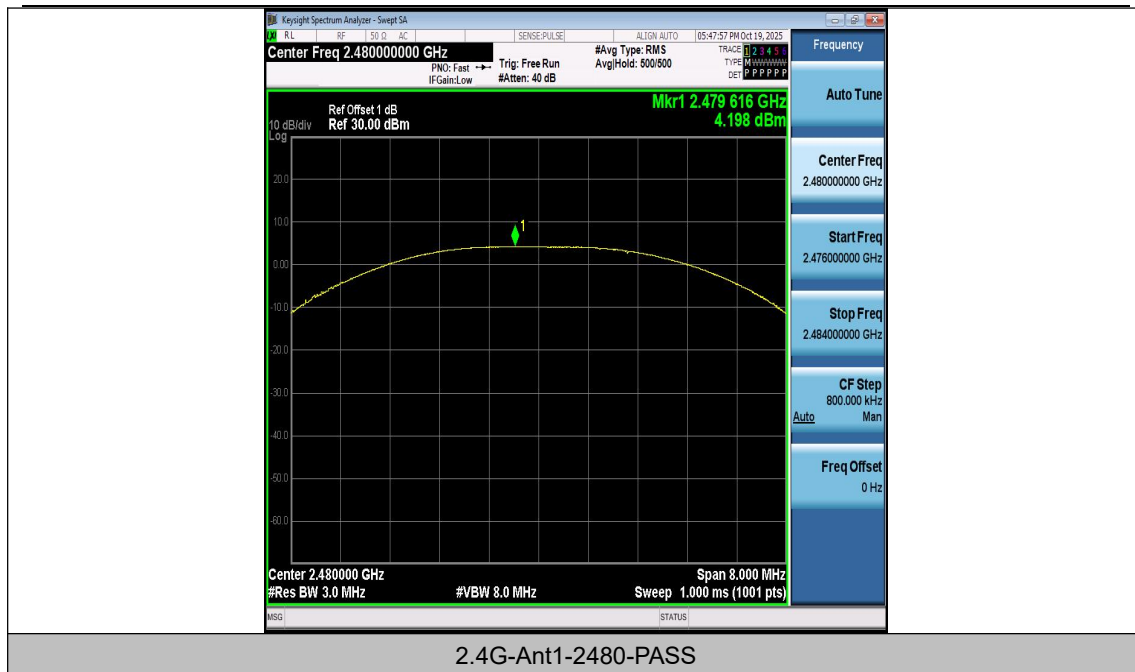
Test Graphs



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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	2.025	>1.528	PASS

Note: Only record the worst data in the report.

Test Graphs



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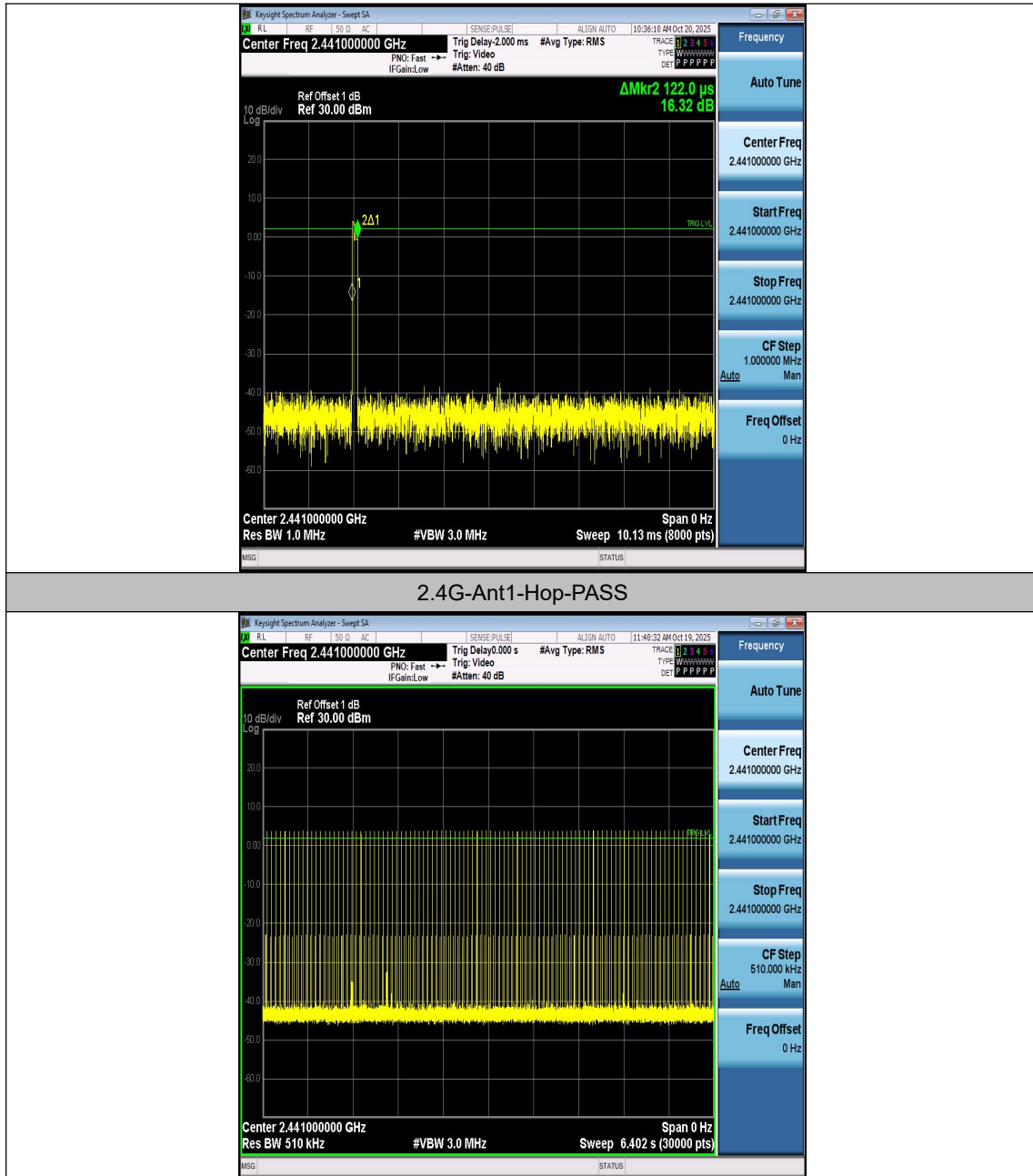
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	0.122	102	0.012	≤0.4	PASS

Test Graphs



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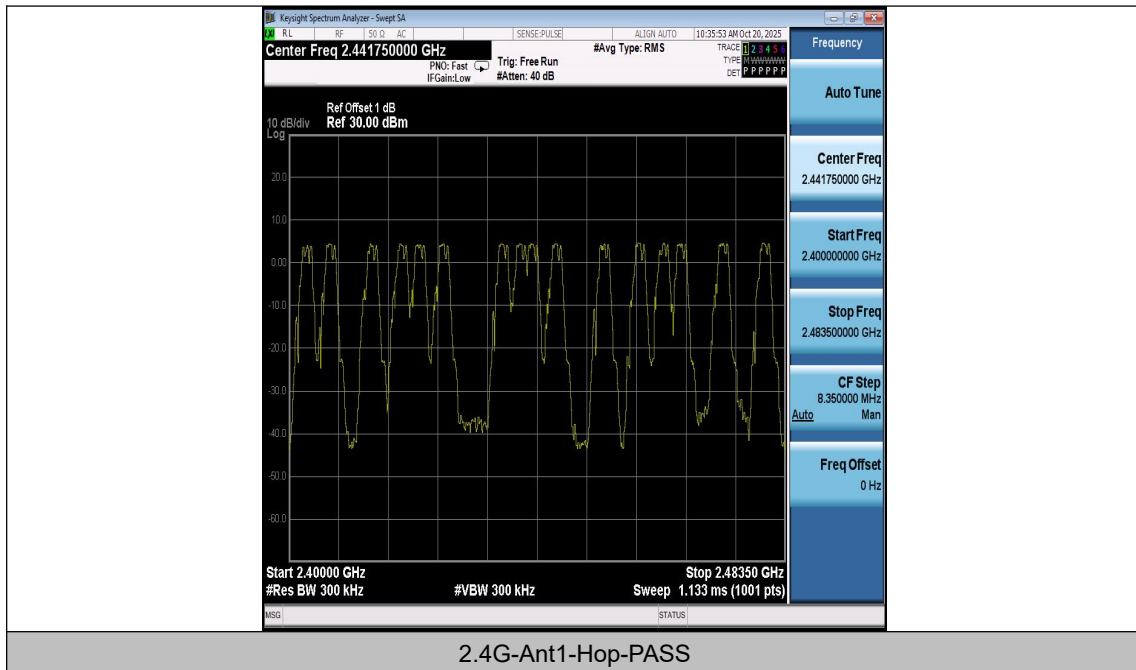
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Appendix F: Number of Hopping Channel

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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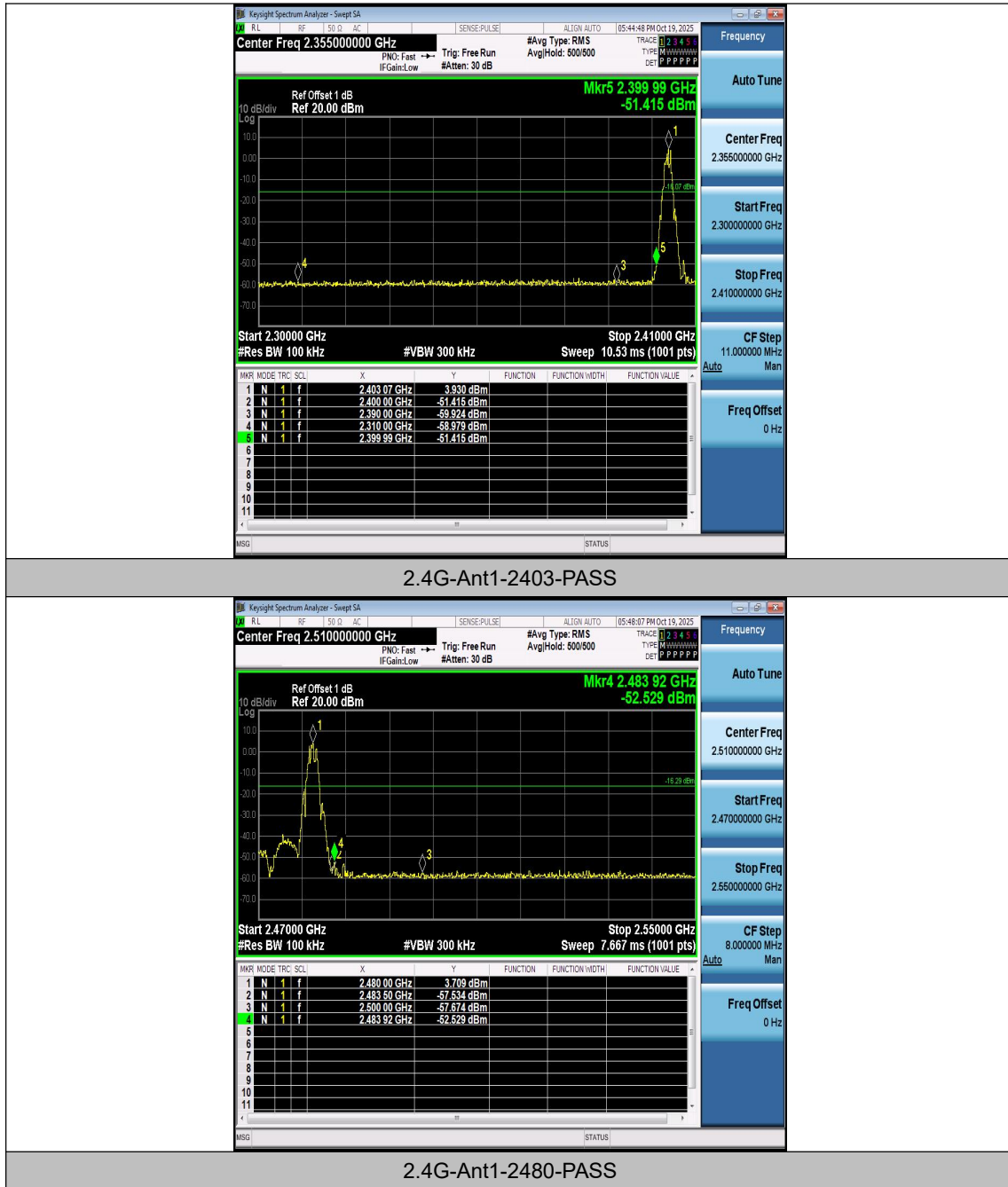
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	3.93	-51.42	≤-16.07	PASS
2.4G	Ant1	High	2480	3.71	-52.53	≤-16.29	PASS
2.4G	Ant1	Low	Hop	3.64	-52.01	≤-16.36	PASS
2.4G	Ant1	High	Hop	3.98	-52.07	≤-16.02	PASS

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

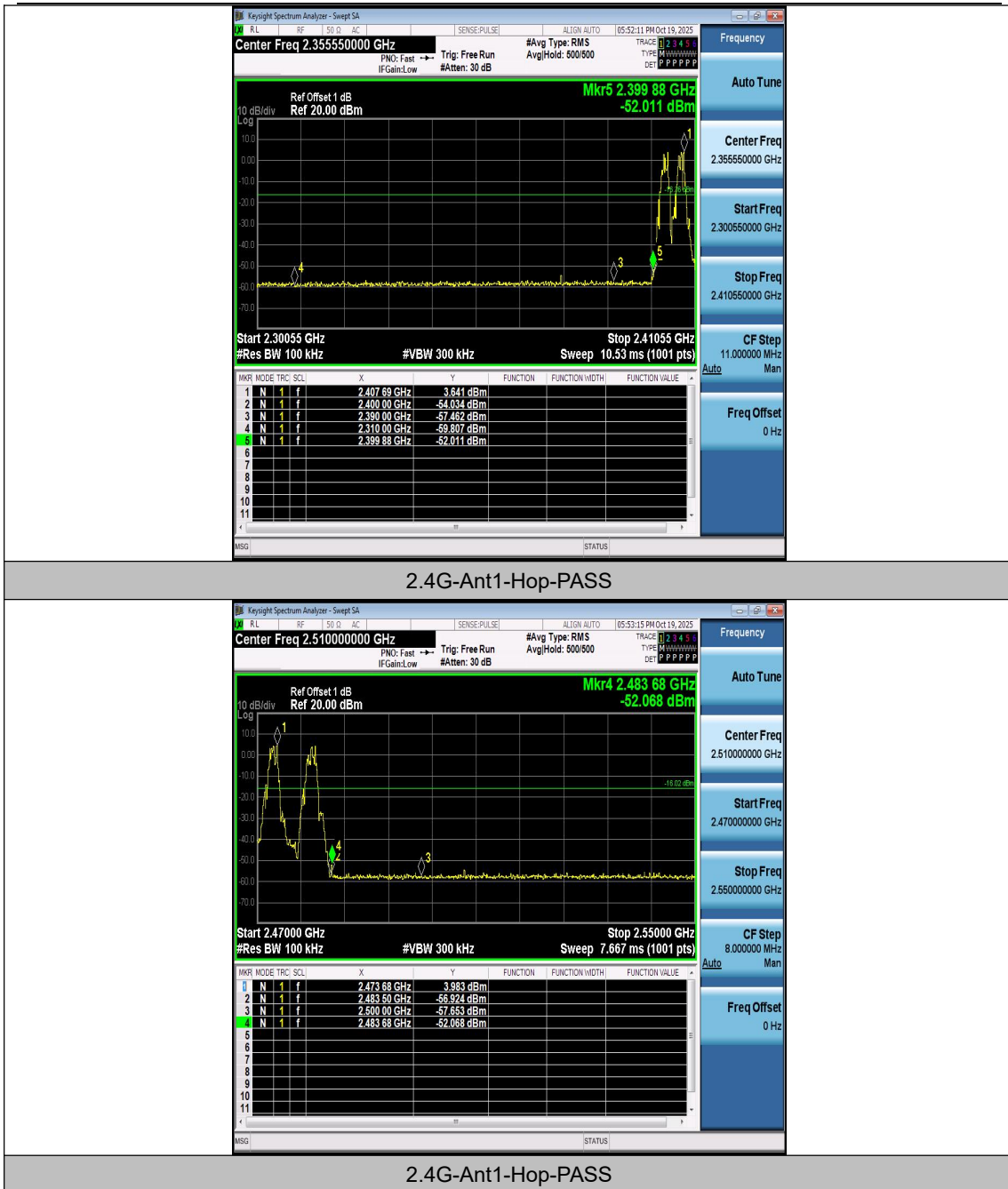
Test Graphs



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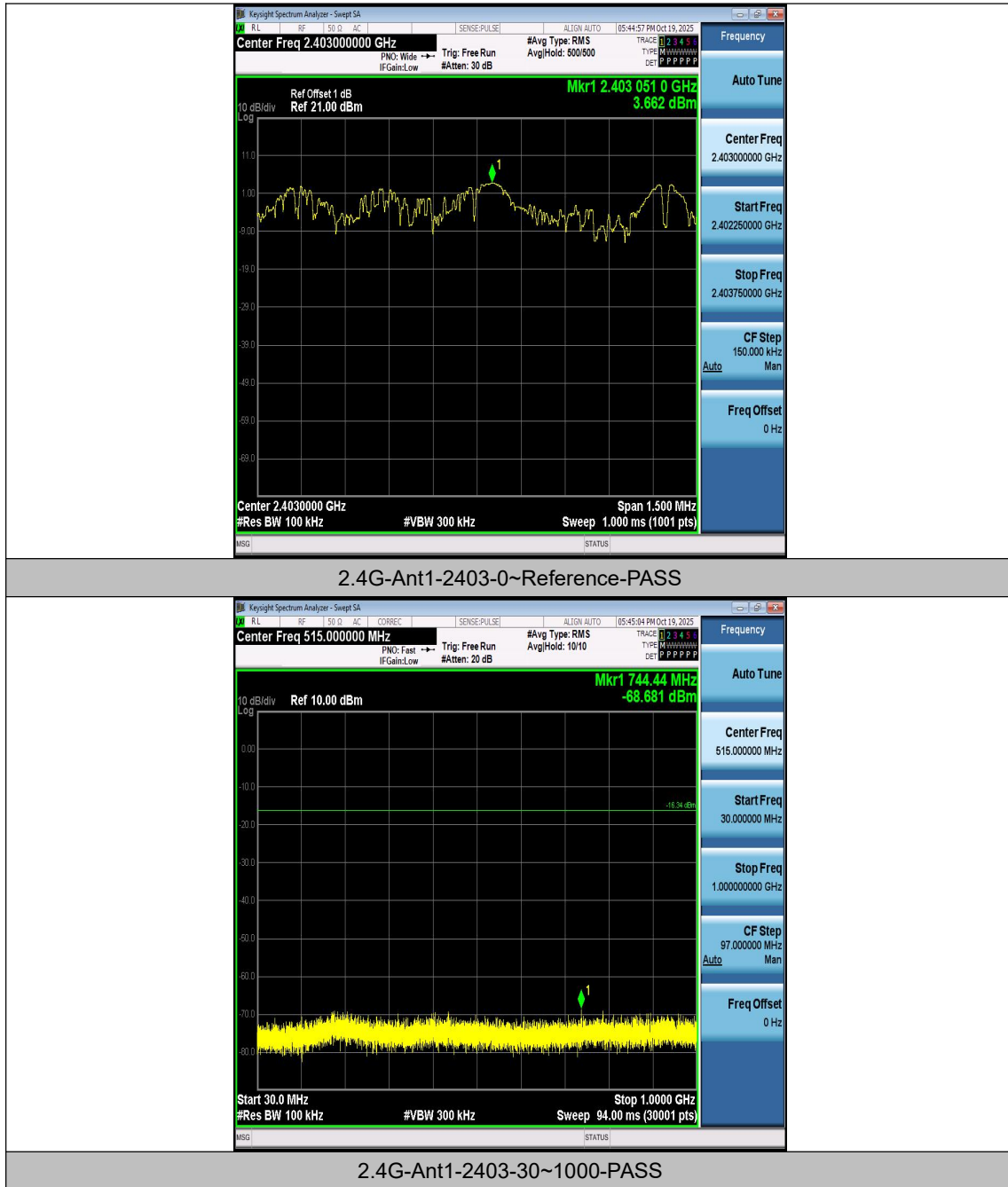
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	0~Reference	3.66	3.66	---	PASS
2.4G	Ant1	2403	30~1000	3.66	-68.68	≤-16.34	PASS
2.4G	Ant1	2403	1000~26500	3.66	-53.05	≤-16.34	PASS
2.4G	Ant1	2441	0~Reference	3.81	3.81	---	PASS
2.4G	Ant1	2441	30~1000	3.81	-68.27	≤-16.19	PASS
2.4G	Ant1	2441	1000~26500	3.81	-54.12	≤-16.19	PASS
2.4G	Ant1	2480	0~Reference	4.40	4.40	---	PASS
2.4G	Ant1	2480	30~1000	4.40	-68.1	≤-15.6	PASS
2.4G	Ant1	2480	1000~26500	4.40	-53.34	≤-15.6	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.

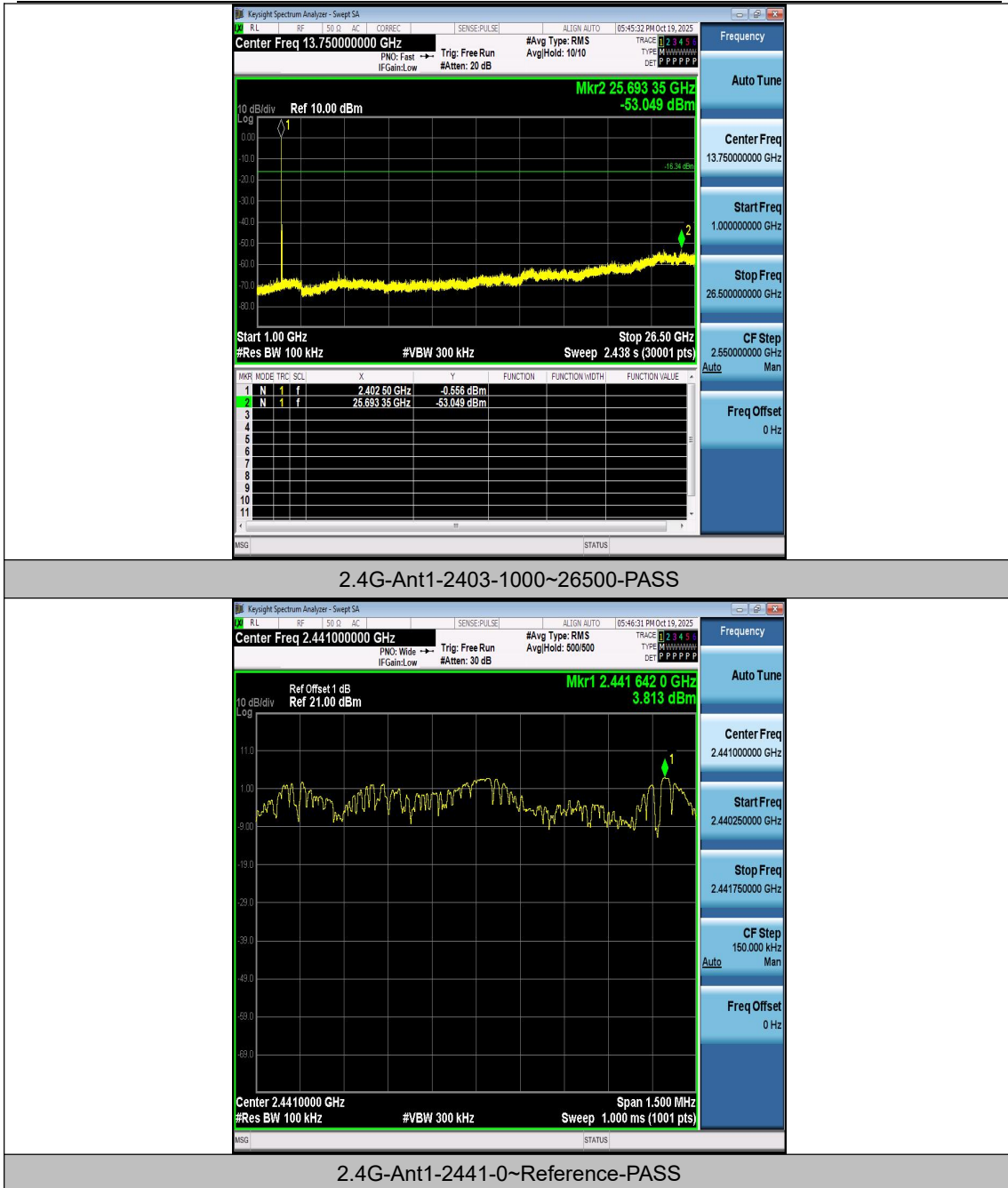
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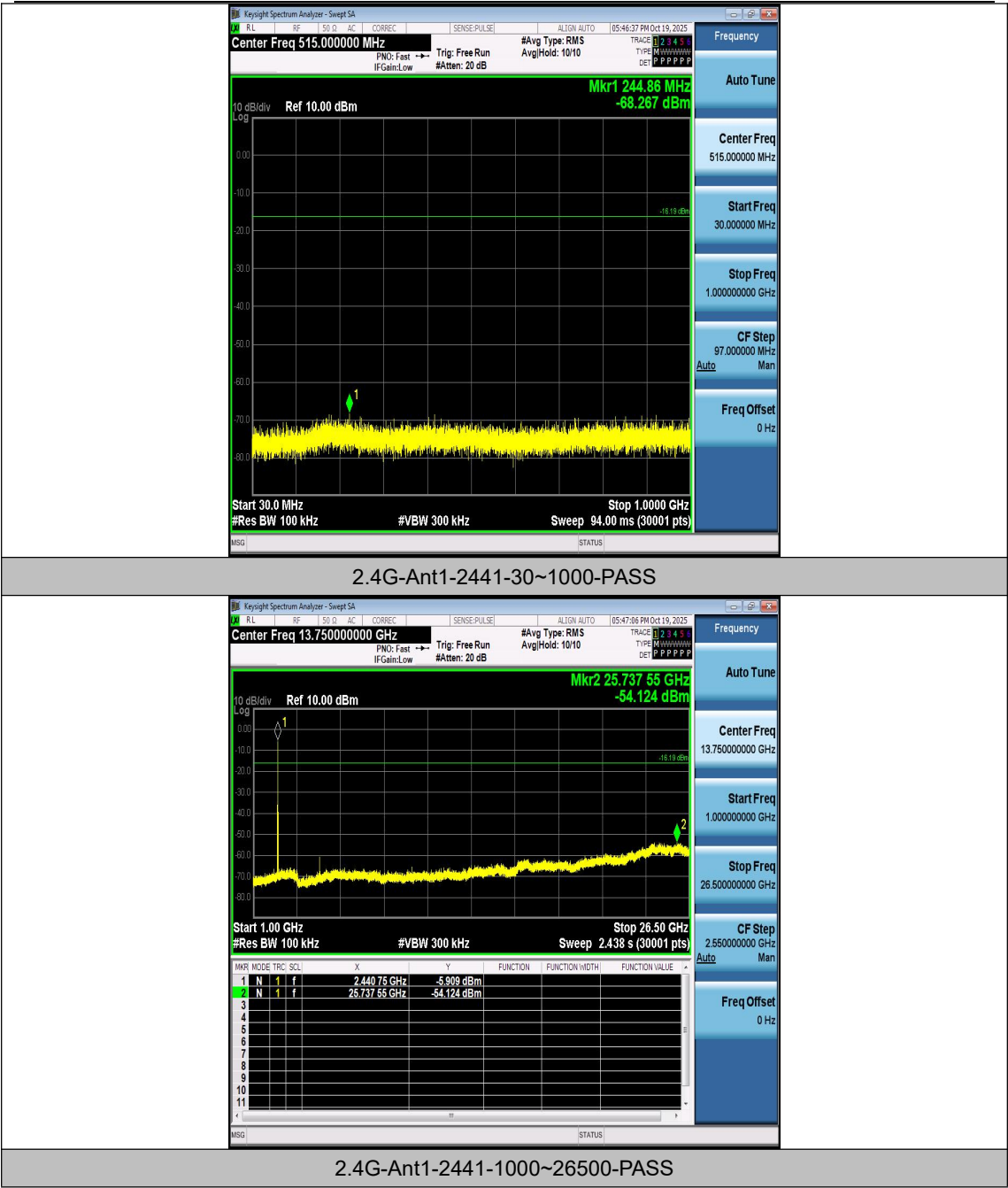
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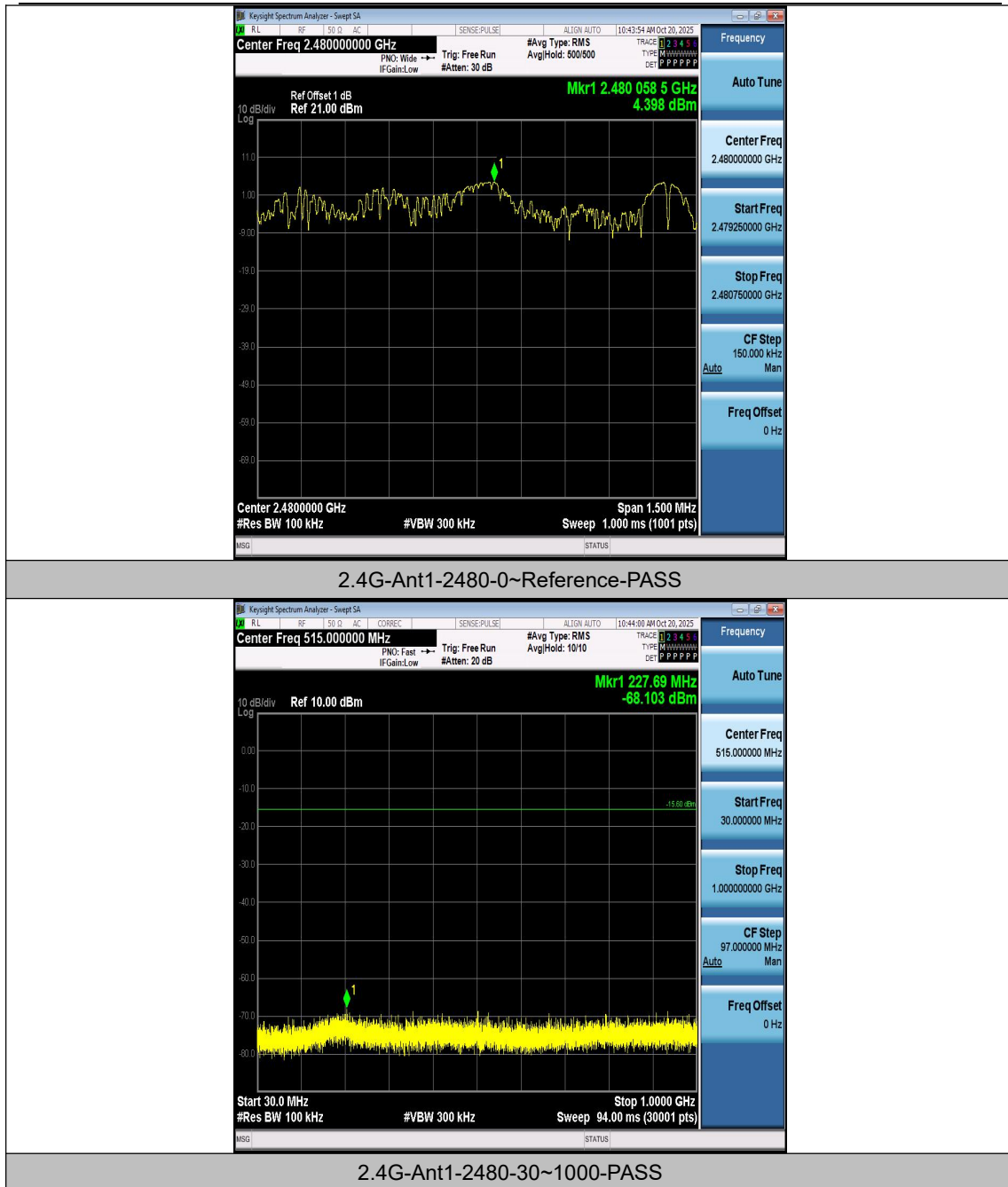


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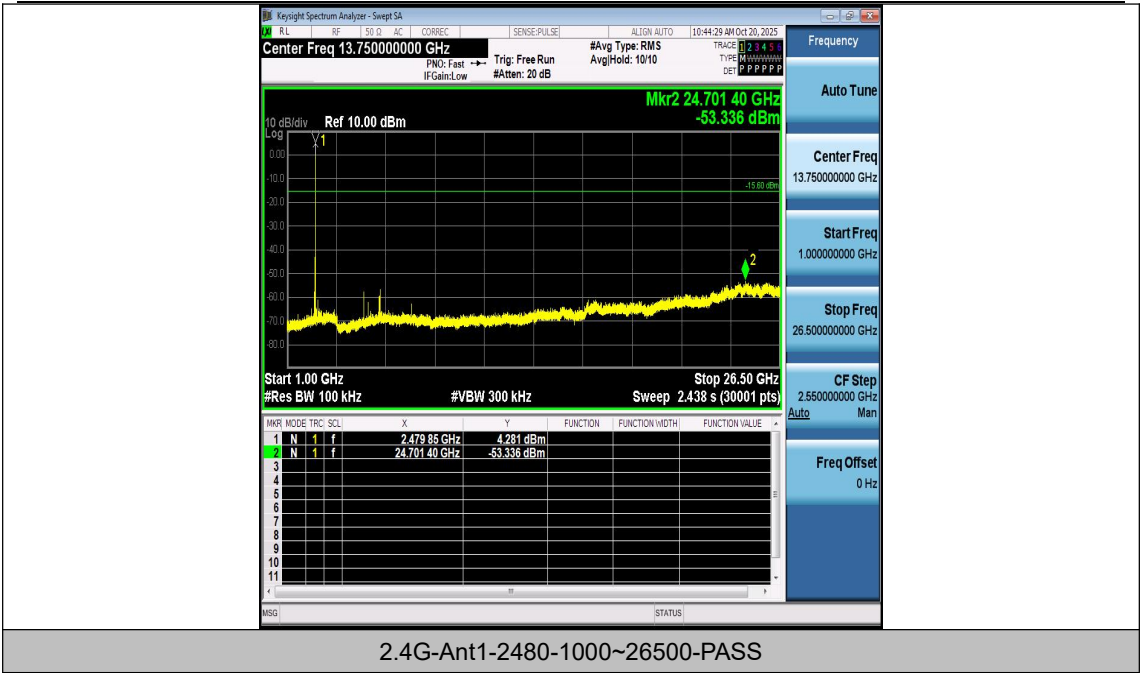




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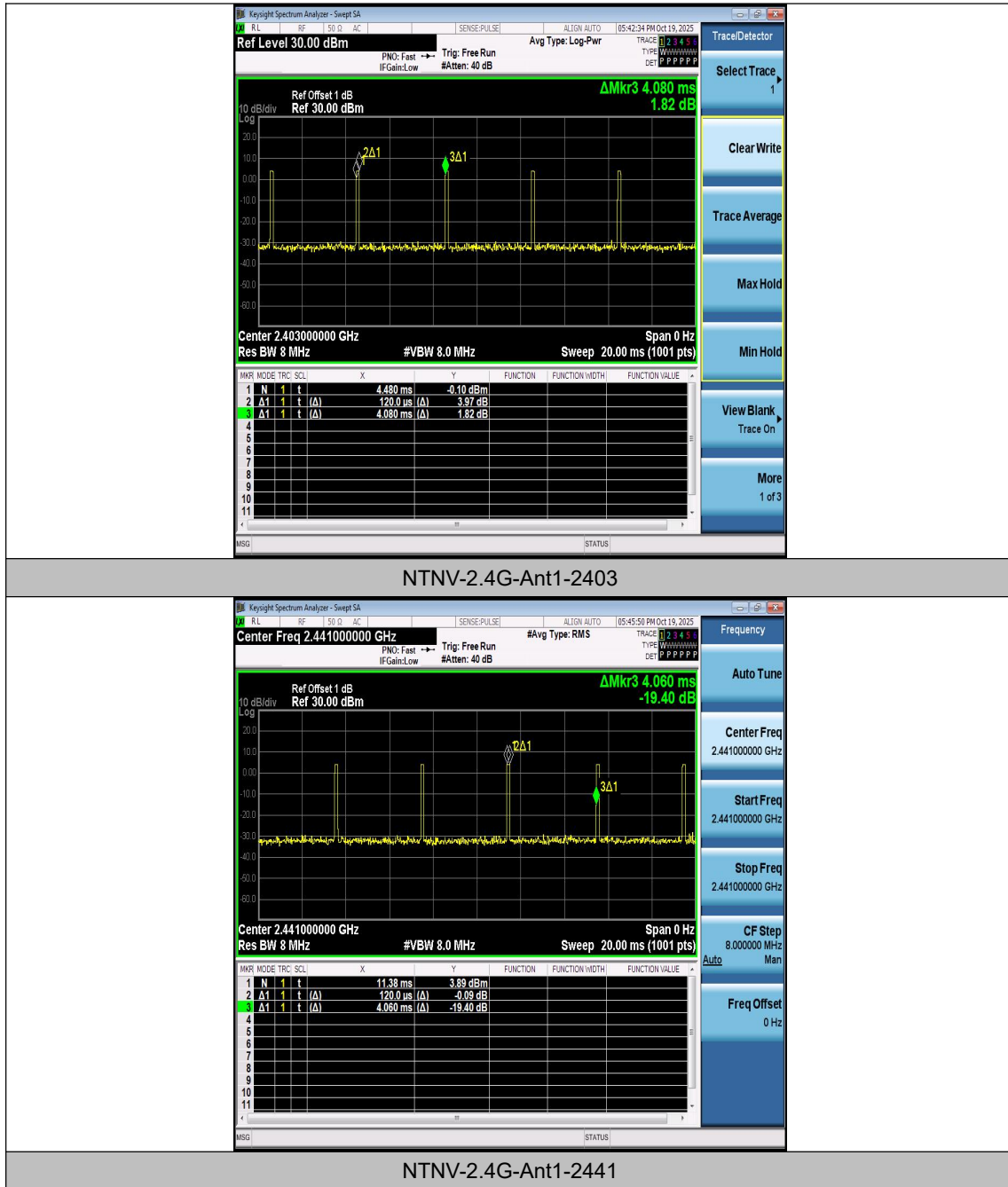
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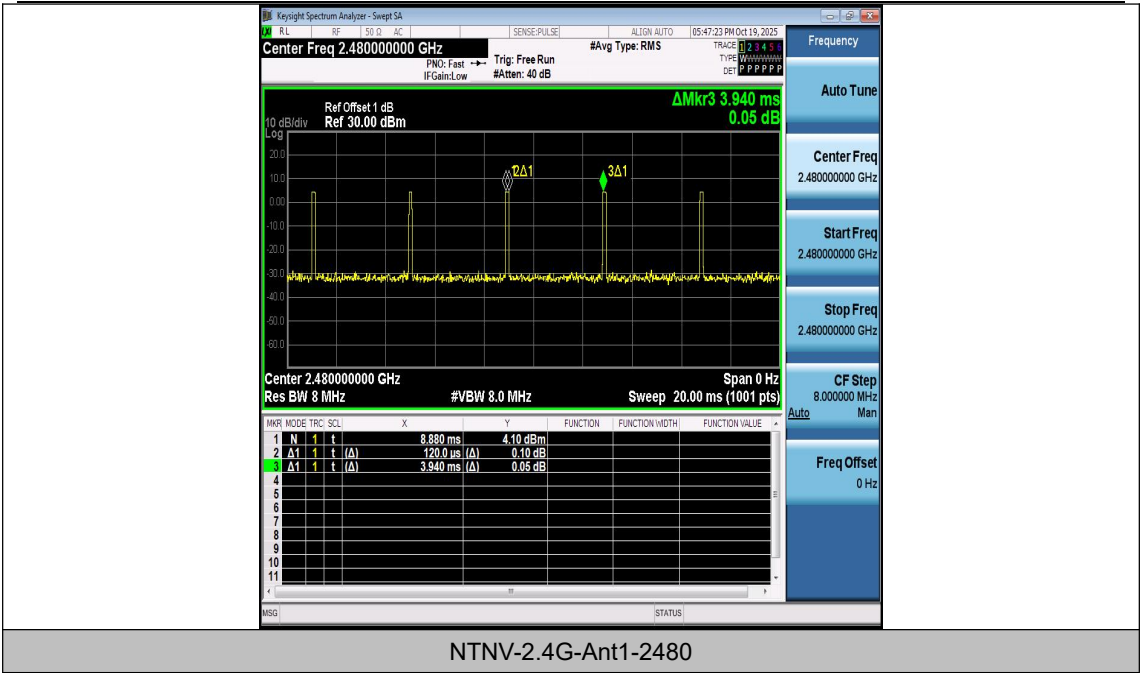
Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2403	0.12	4.08	2.94	15.32
2.4G	Ant1	2441	0.12	4.06	2.96	15.29
2.4G	Ant1	2480	0.12	3.94	3.05	15.16

Test Graphs





NTNV-2.4G-Ant1-2480

---End---