

Appendix Test Data

Report No.:	1812C50546512502-01	Test Sample No.:	1-2-2
Start Test Date:	2025-12-8	Finish Test Date:	2025-12-12
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	25.3°C	Relative Humidity:	51%
Pressure:	101kPa		

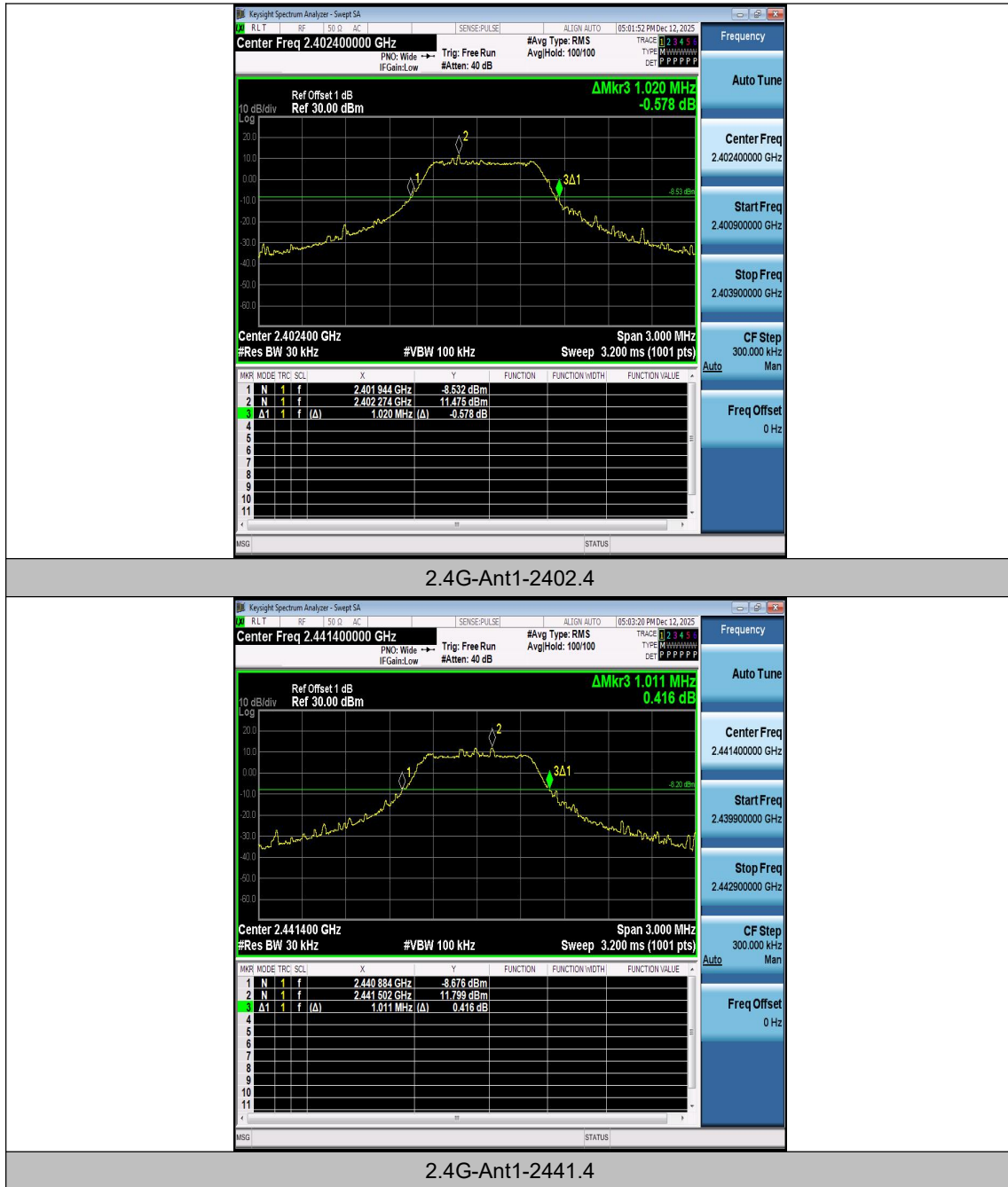


Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402.4	1.020	2401.944	2402.964	---	---
2.4G	Ant1	2441.4	1.011	2440.884	2441.895	---	---
2.4G	Ant1	2479.4	1.092	2478.848	2479.940	---	---

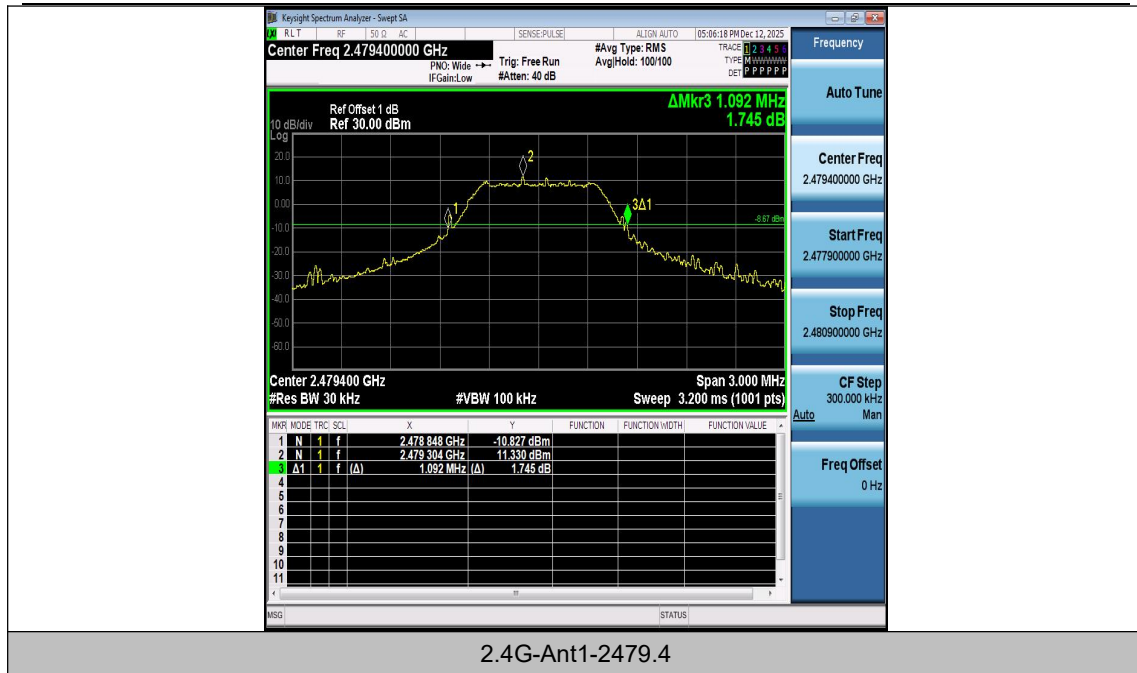
Test Graphs



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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	2402.4	0.89576	2401.9977	2402.8935	---	---
2.4G	Ant1	2441.4	0.88212	2440.9581	2441.8402	---	---
2.4G	Ant1	2479.4	0.90357	2478.9477	2479.8513	---	---

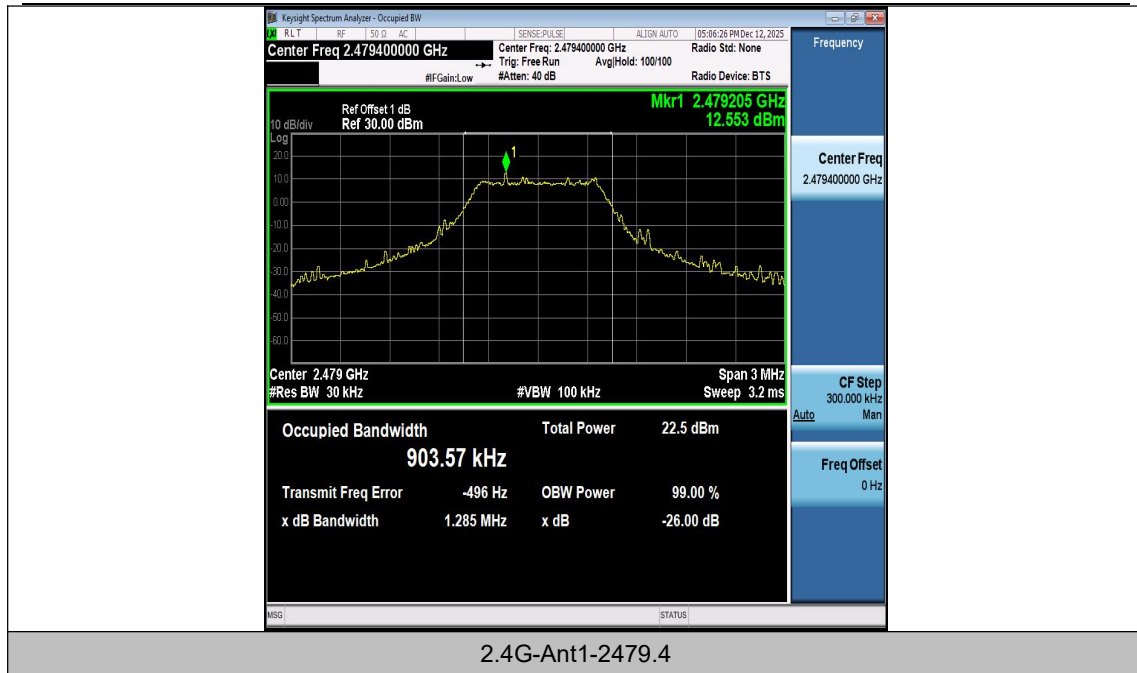
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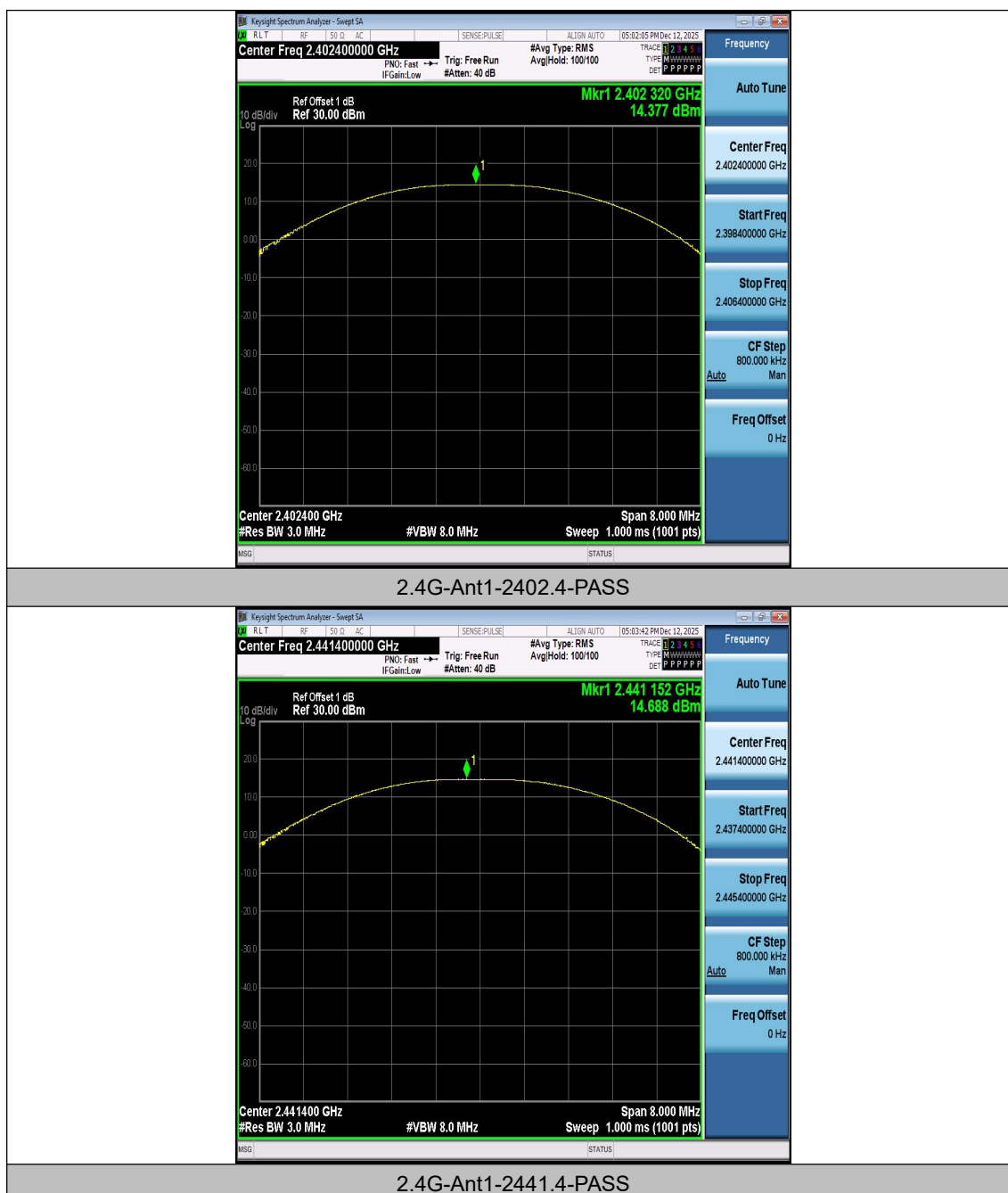
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Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2402.4	14.38	≤20.97	PASS
2.4G	Ant1	2441.4	14.69	≤20.97	PASS
2.4G	Ant1	2479.4	14.95	≤20.97	PASS

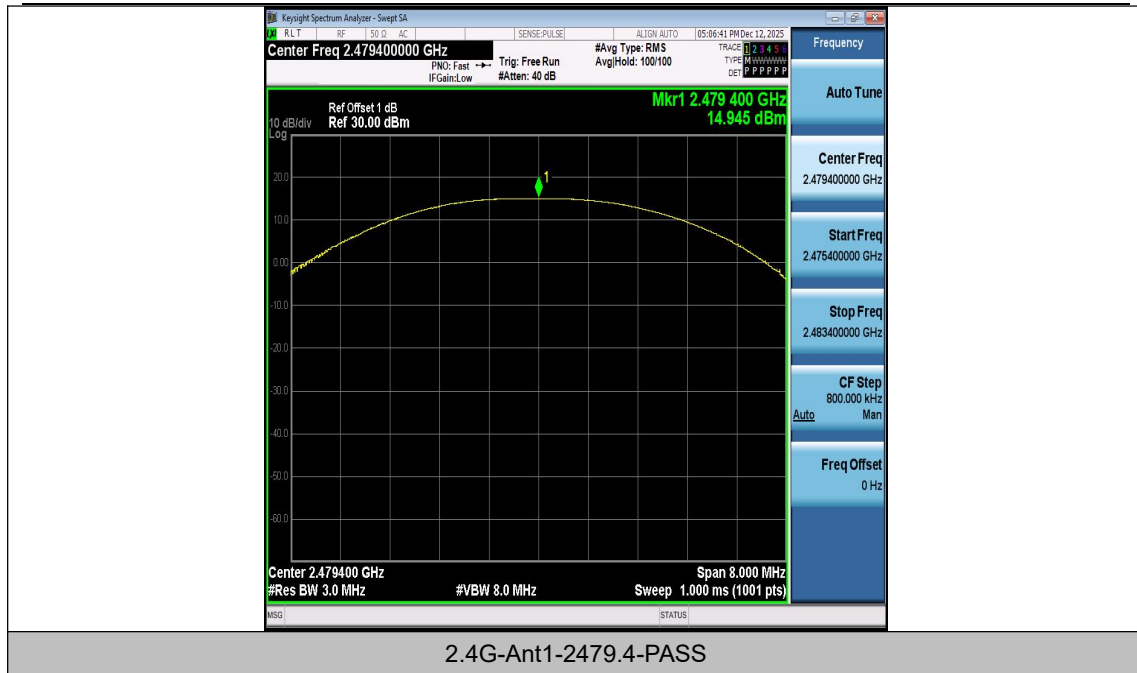
Test Graphs



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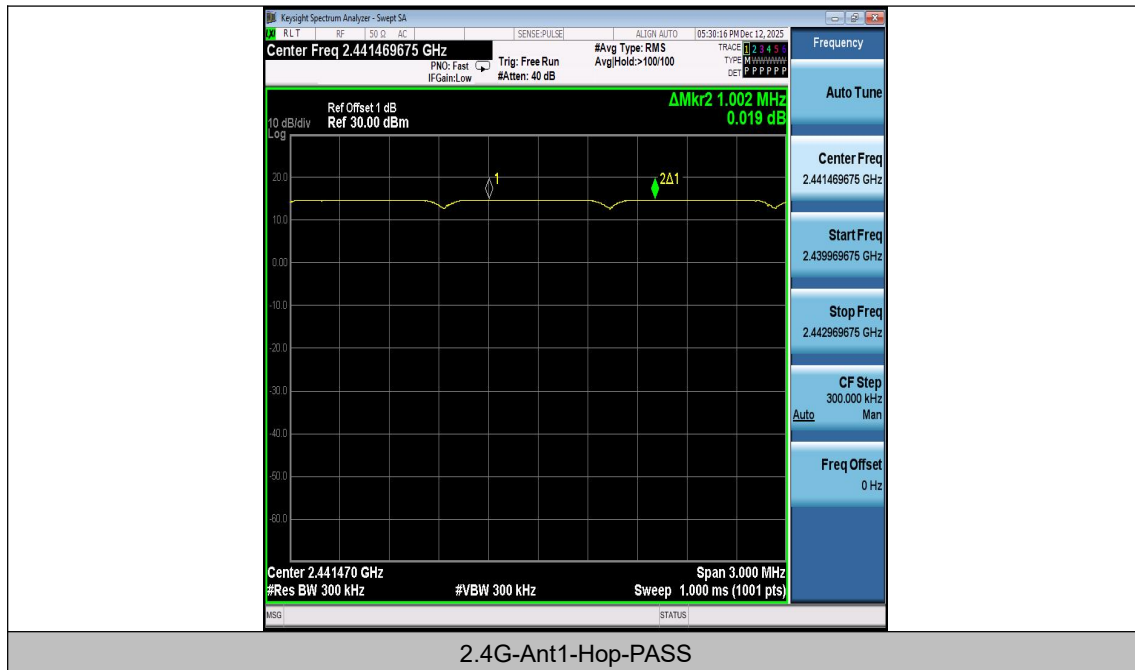
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	1.000	≥0.728	PASS

Note: Only record the worst data in the test data.

Test Graphs



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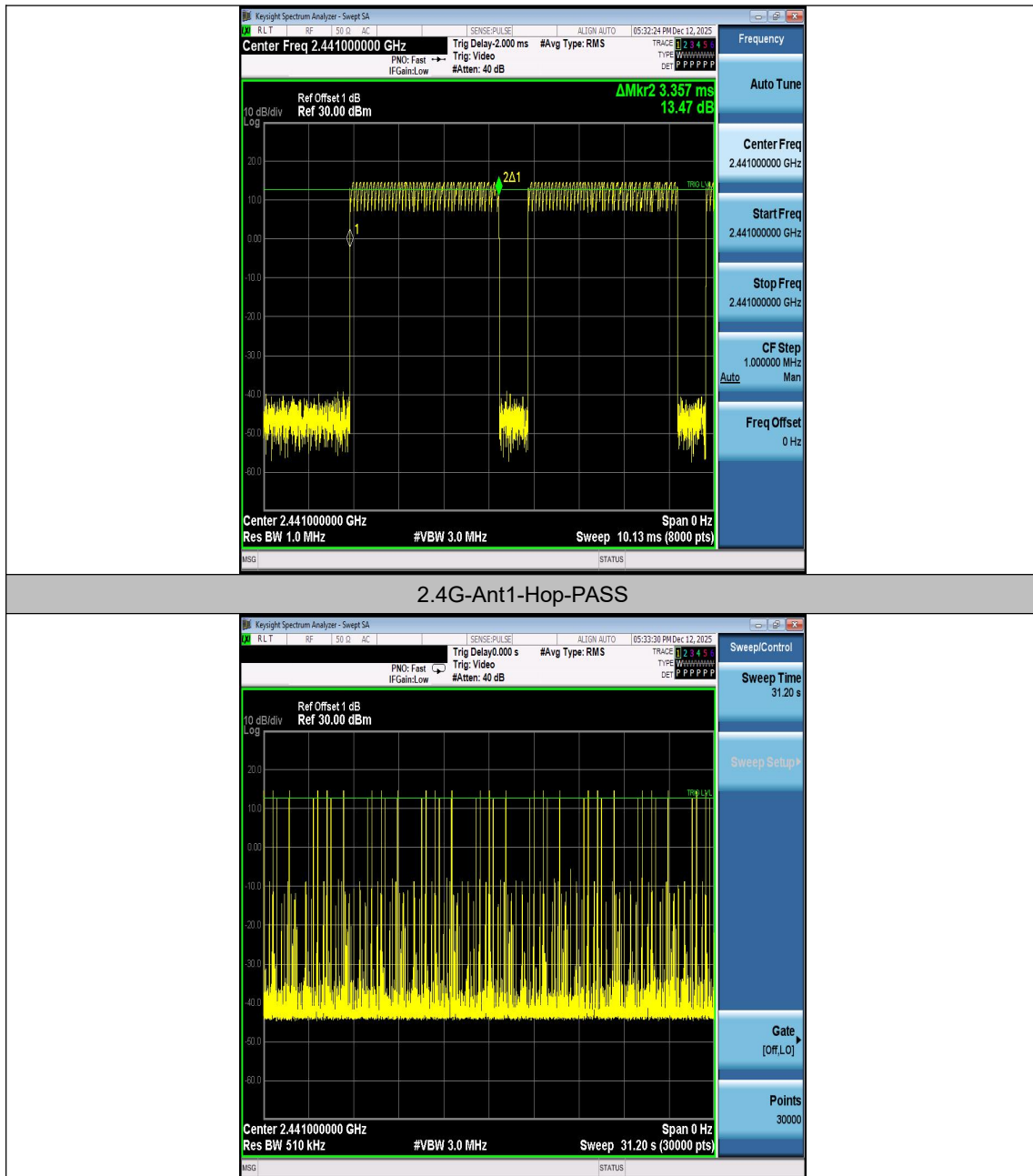
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	3.357	51	0.171	≤0.4	PASS

Test Graphs



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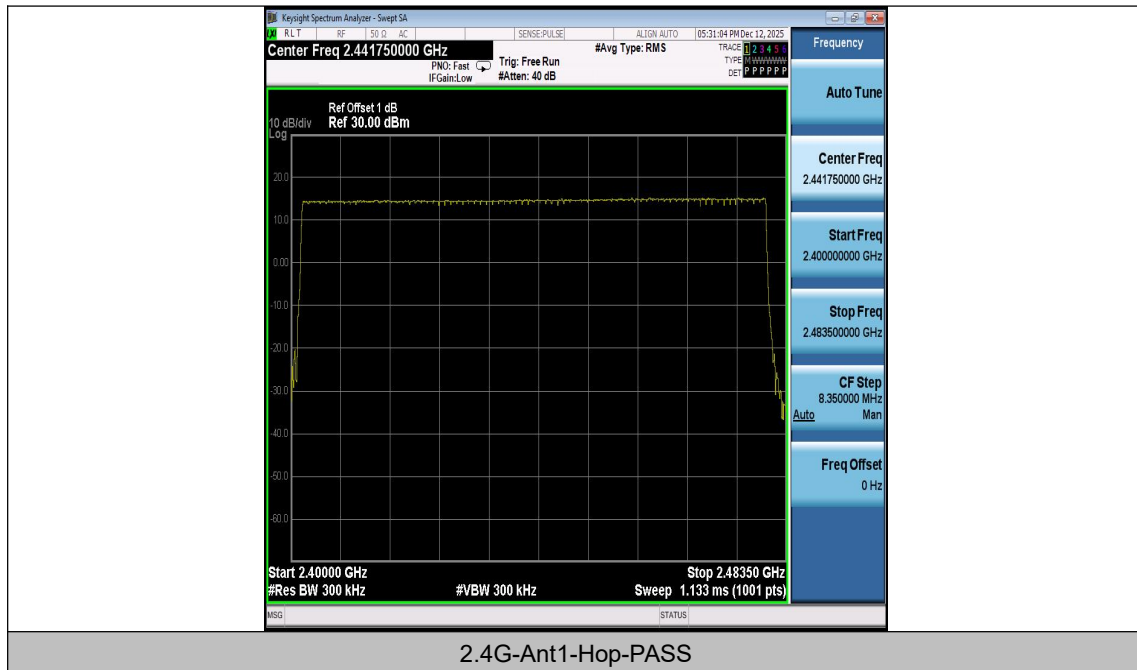
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Appendix F: Number of Hopping Channel

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [Num]	Limit [Num]	Verdict
2.4G	Ant1	Hop	78	≥15	PASS

Test Graphs



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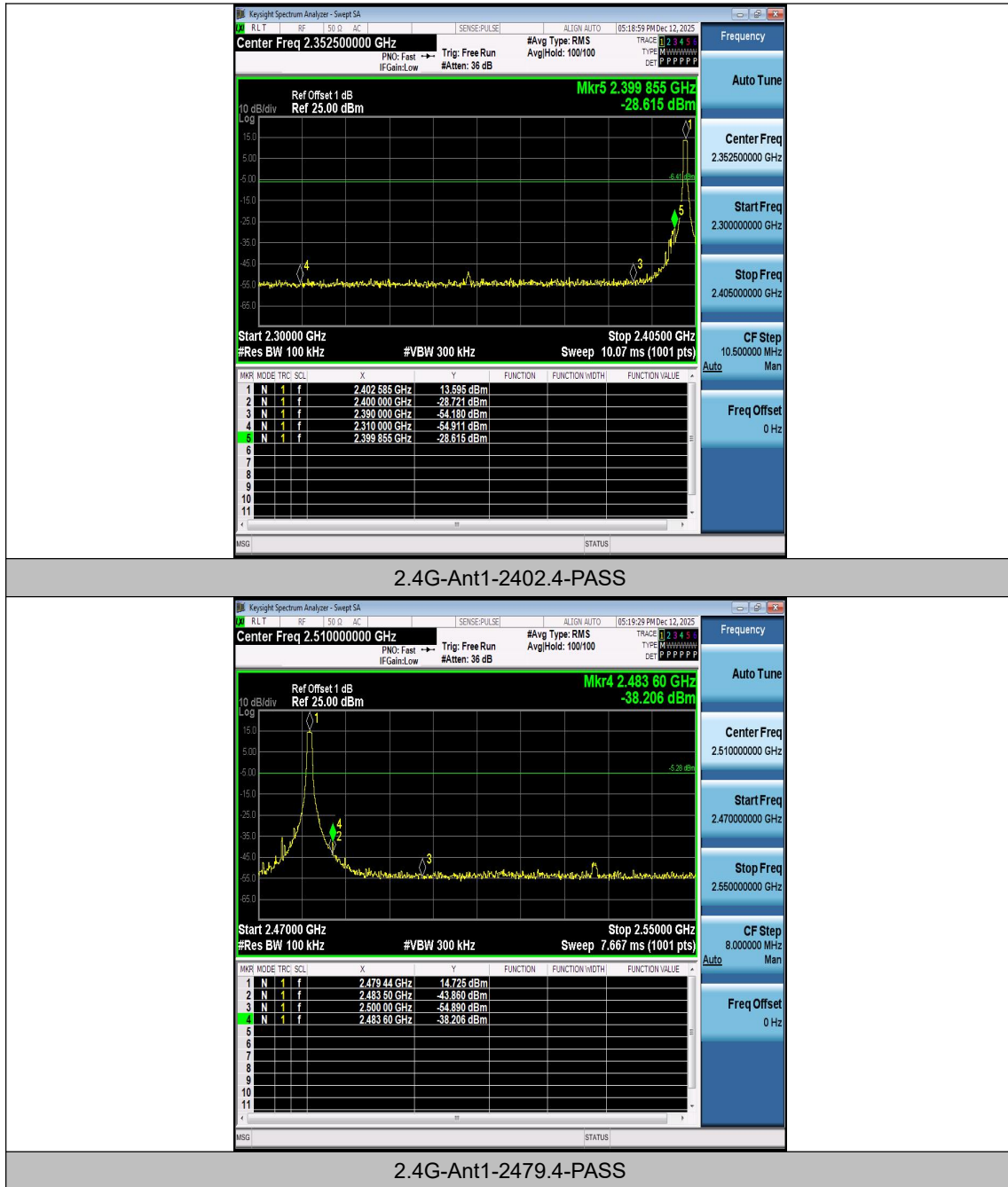
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2402.4	13.60	-28.62	≤ -6.41	PASS
2.4G	Ant1	High	2479.4	14.73	-38.21	≤ -5.28	PASS
2.4G	Ant1	Low	Hop_2402.4	13.65	-34.24	≤ -6.35	PASS
2.4G	Ant1	High	Hop_2479.4	14.36	-37.51	≤ -5.64	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.

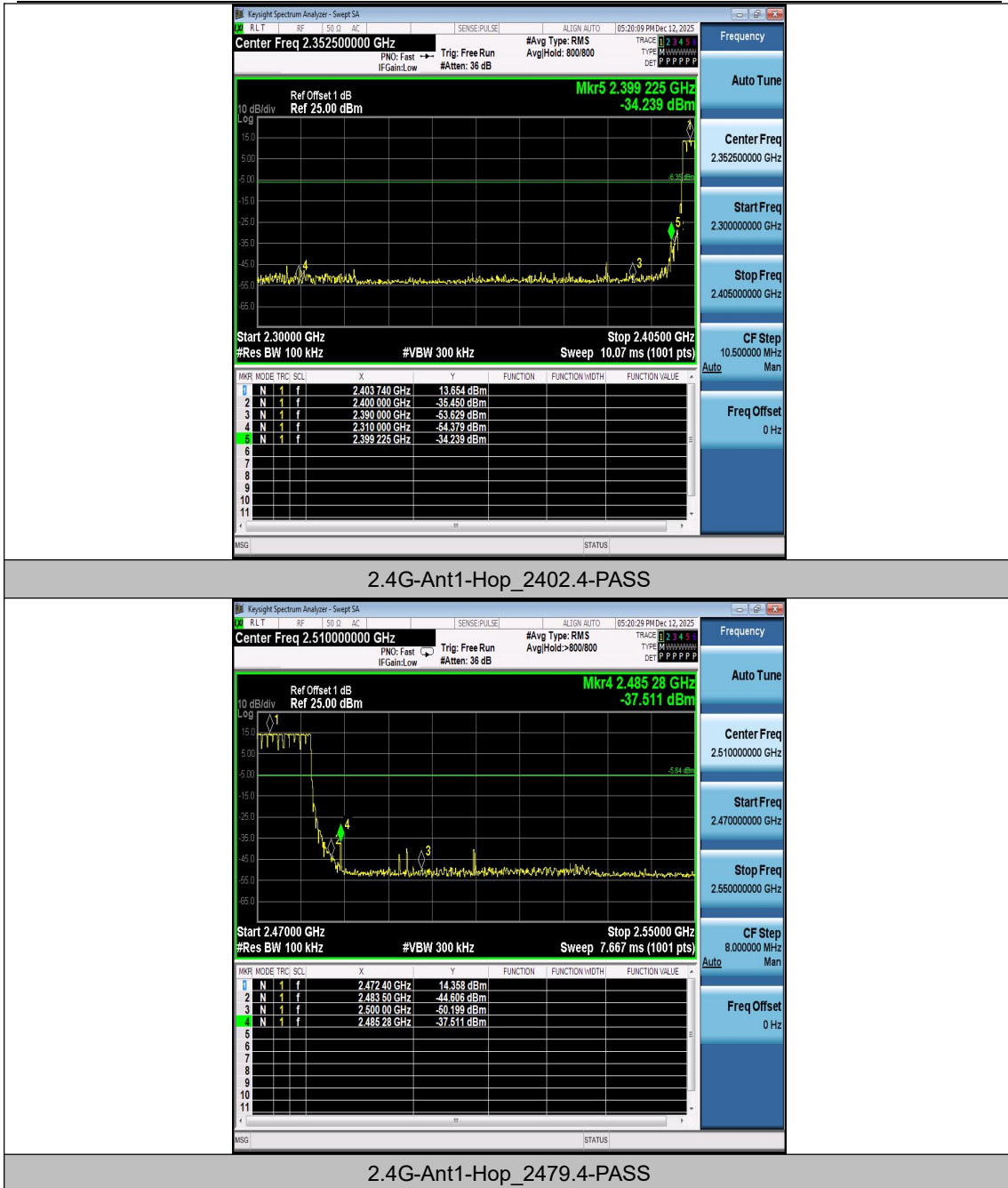
Test Graphs



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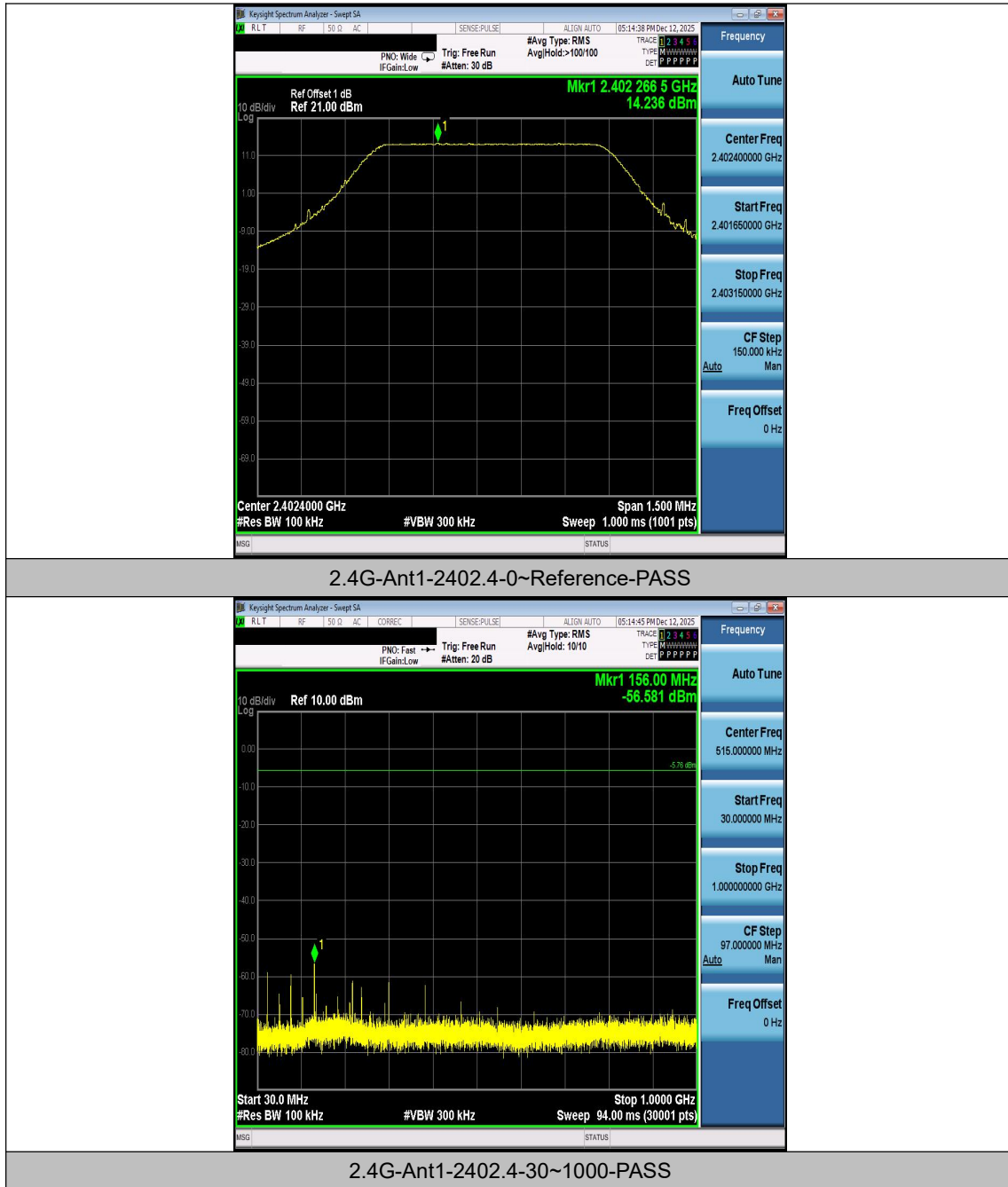
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2402.4	0~Reference	14.24	14.24	---	PASS
2.4G	Ant1	2402.4	30~1000	14.24	-56.58	≤-5.76	PASS
2.4G	Ant1	2402.4	1000~26500	14.24	-22.24	≤-5.76	PASS
2.4G	Ant1	2441.4	0~Reference	14.33	14.33	---	PASS
2.4G	Ant1	2441.4	30~1000	14.33	-57	≤-5.67	PASS
2.4G	Ant1	2441.4	1000~26500	14.33	-24.53	≤-5.67	PASS
2.4G	Ant1	2479.4	0~Reference	14.76	14.76	---	PASS
2.4G	Ant1	2479.4	30~1000	14.76	-57.29	≤-5.24	PASS
2.4G	Ant1	2479.4	1000~26500	14.76	-24.28	≤-5.24	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.

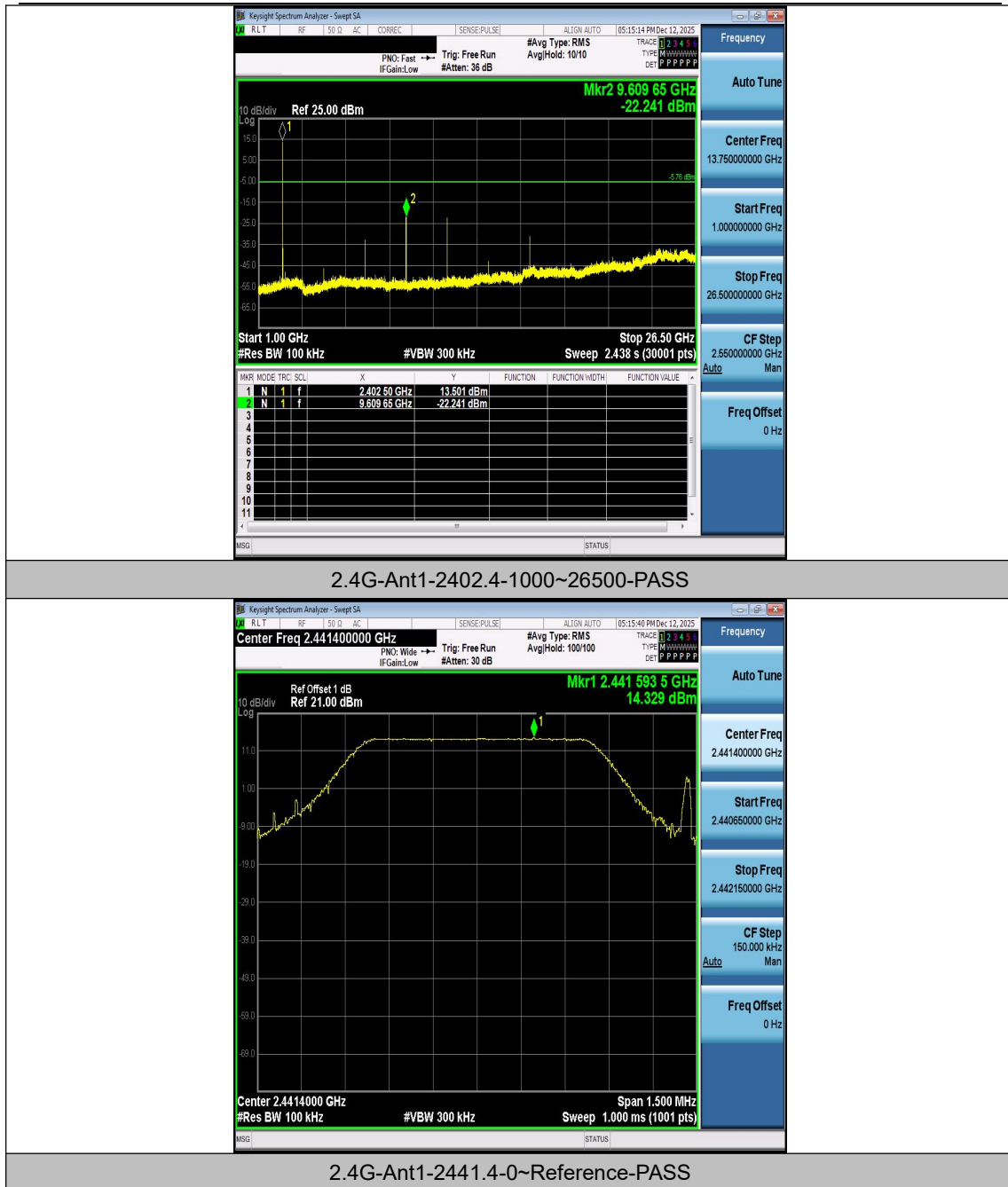
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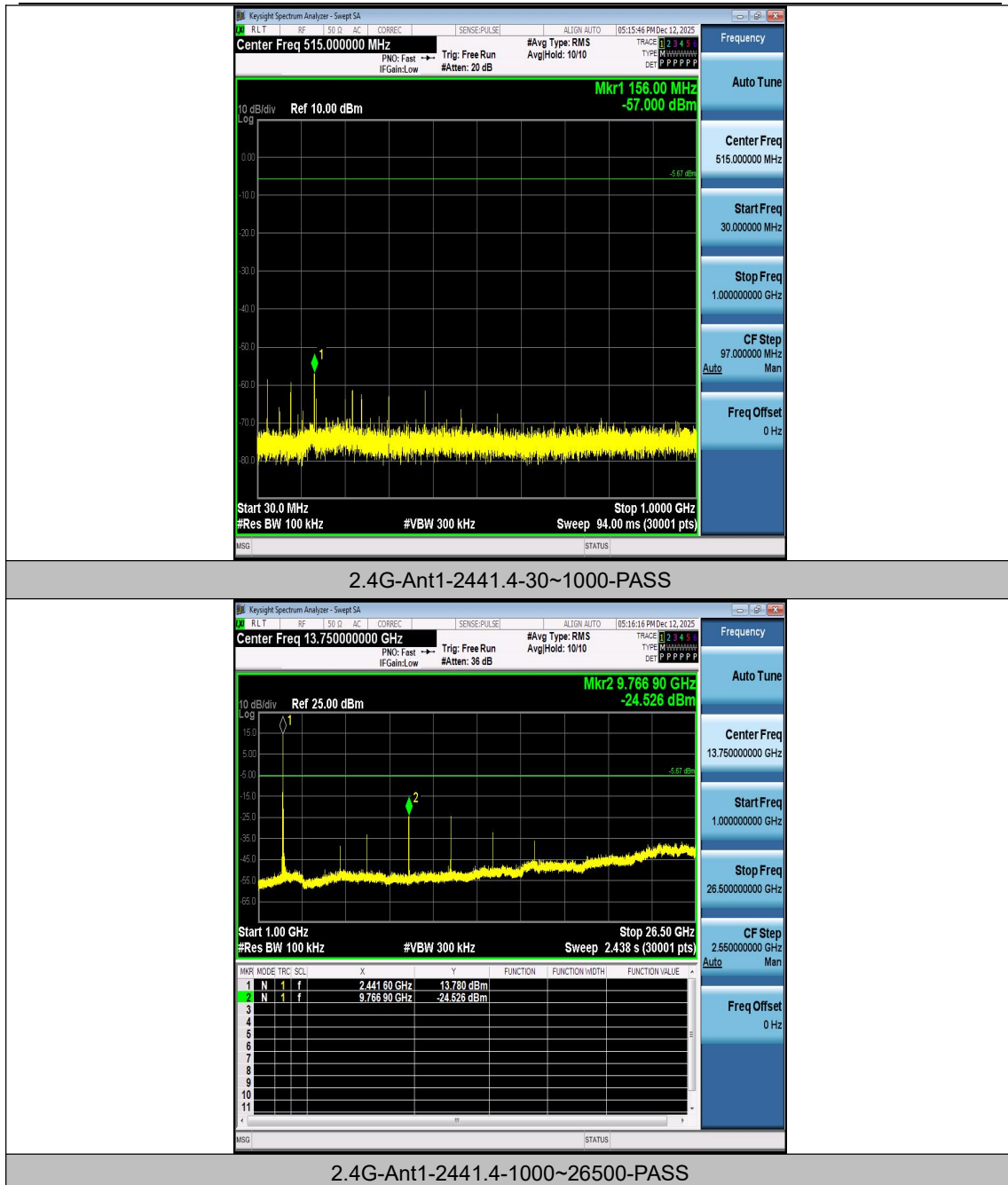


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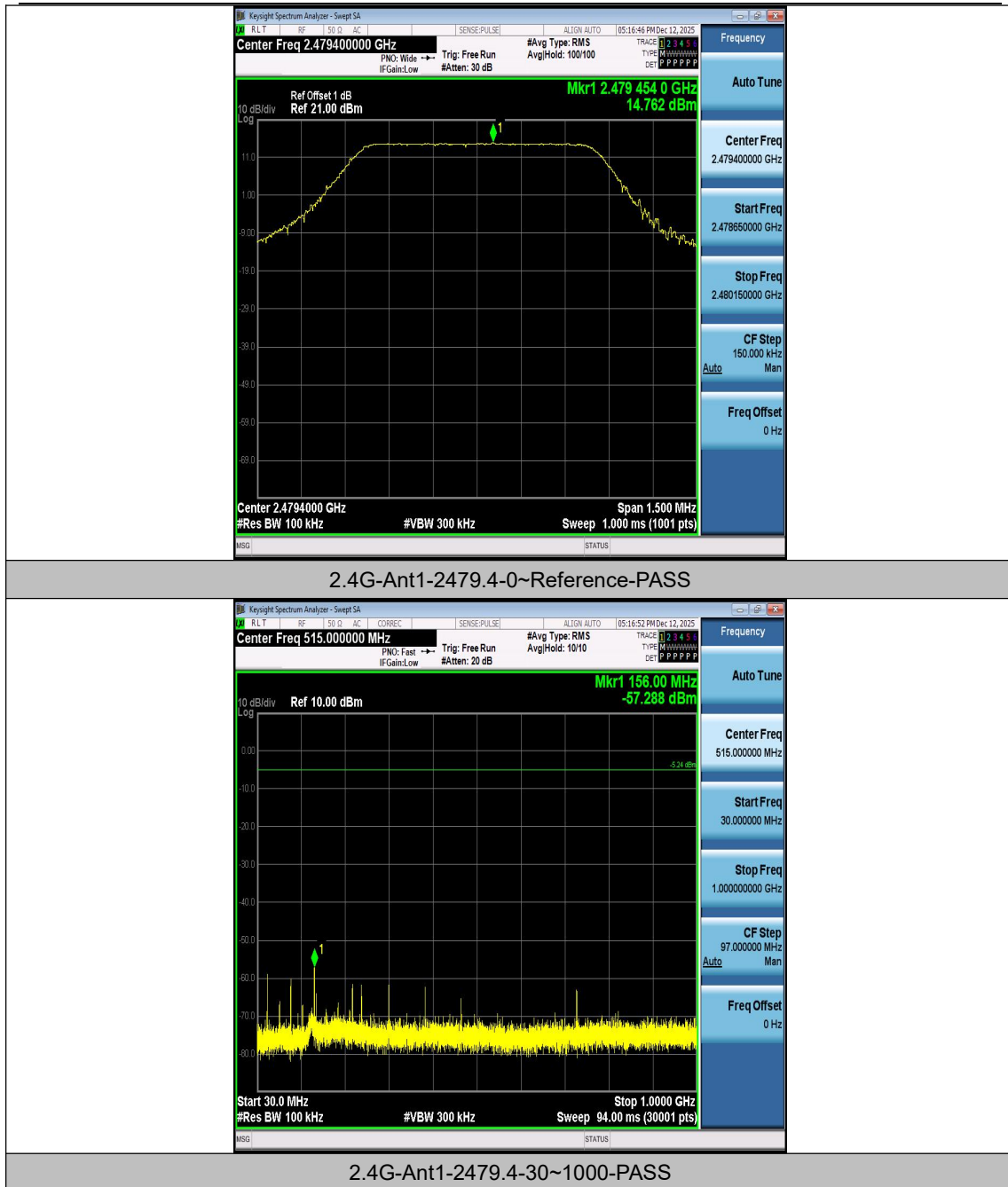




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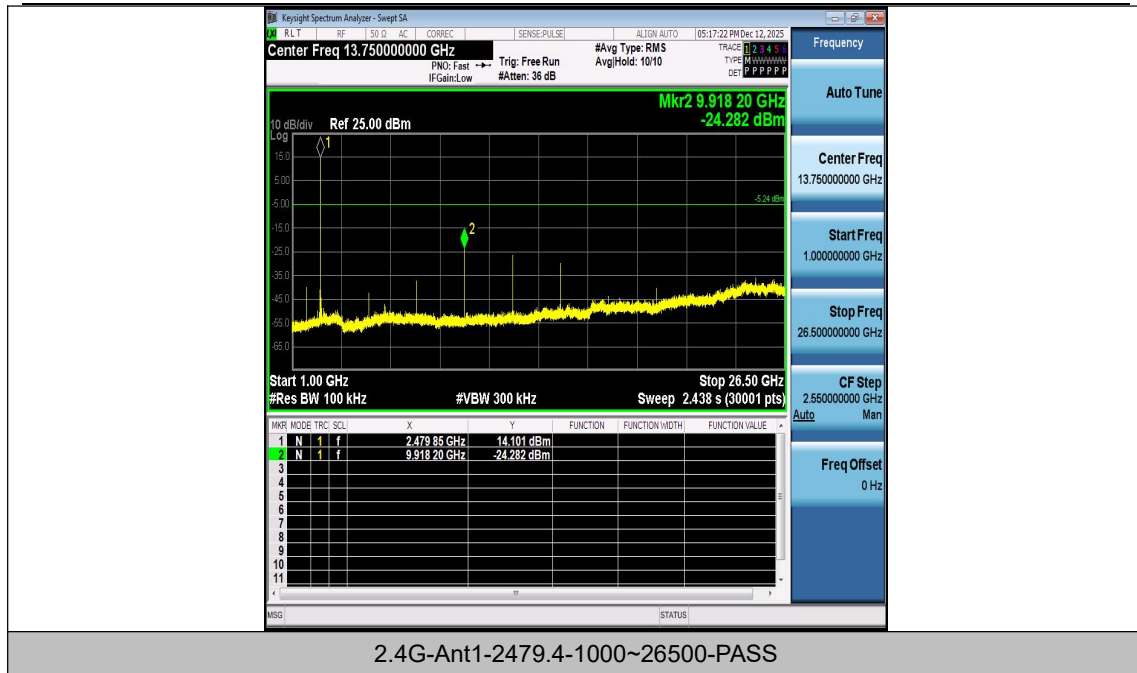
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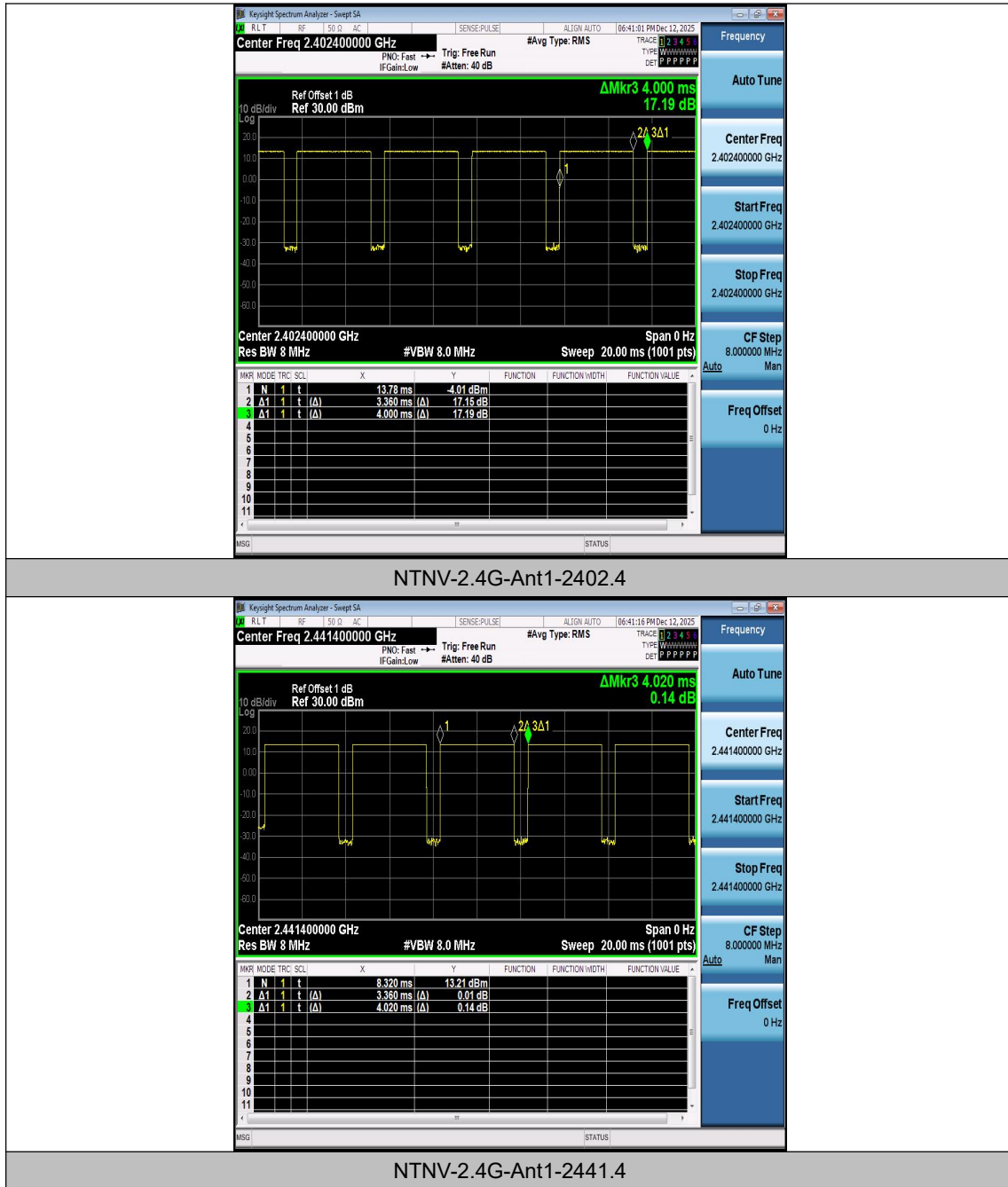
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Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2402.4	3.36	4.00	84.00	0.76
2.4G	Ant1	2441.4	3.36	4.02	83.58	0.78
2.4G	Ant1	2479.4	3.36	4.00	84.00	0.76

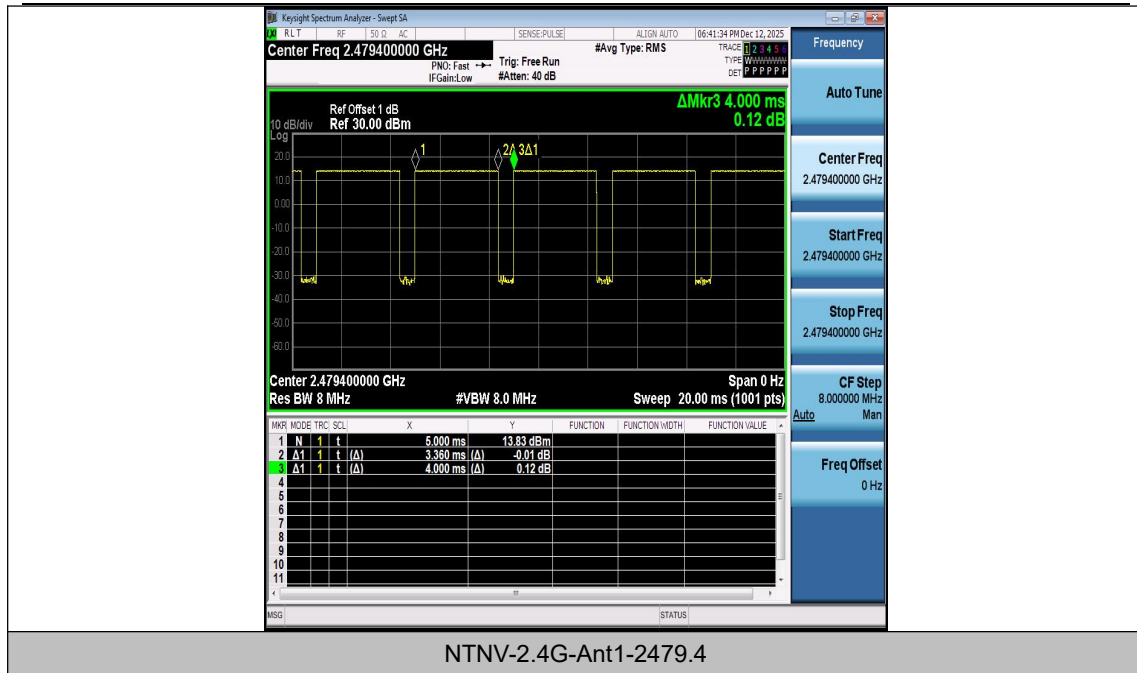
Test Graphs



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---End---