

Appendix Test Data

Report No.:	1812C60499112502-01	Test Sample No.:	1-2-2
Start Test Date:	2026-9-1	Finish Test Date:	2026-9-4
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.8°C	Relative Humidity:	62%
Pressure:	99.7kPa		

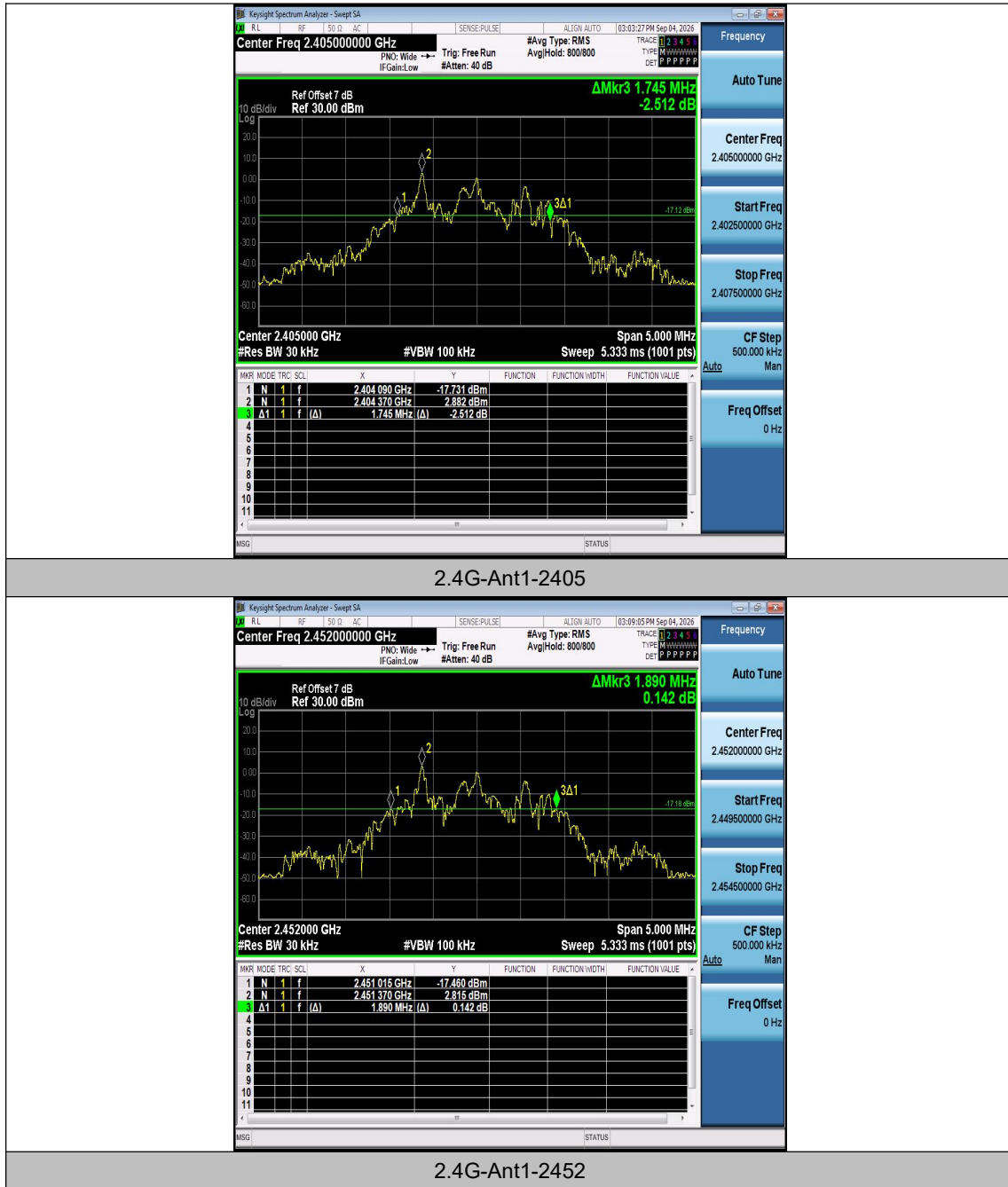


Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2405	1.745	2404.090	2405.835	---	---
2.4G	Ant1	2452	1.890	2451.015	2452.905	---	---
2.4G	Ant1	2480	1.820	2479.090	2480.910	---	---

Test Graphs



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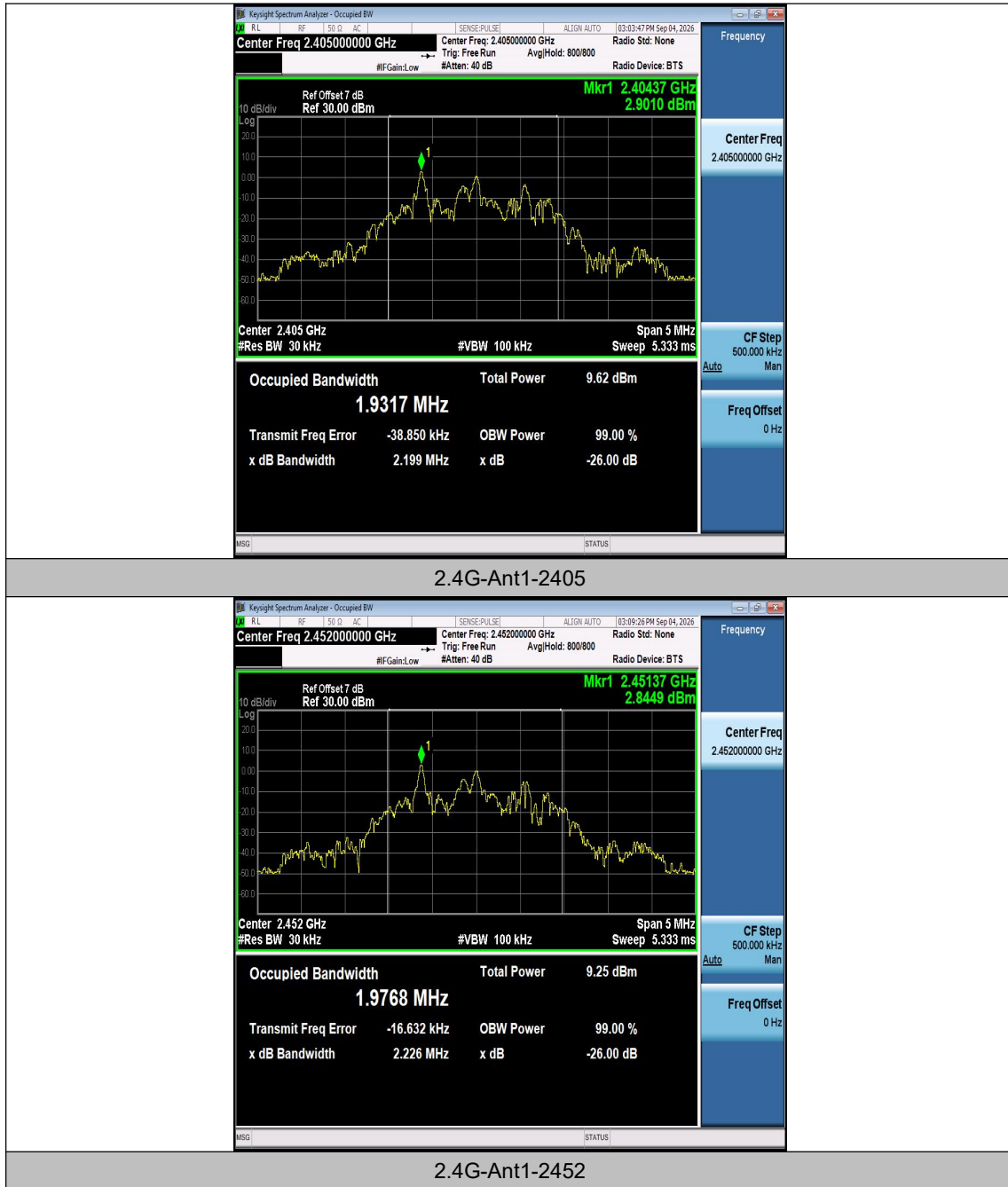
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Appendix B: 99% Occupied Bandwidth**Test Result**

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2405	1.9317	2403.9953	2405.9270	---	---
2.4G	Ant1	2452	1.9768	2450.9950	2452.9718	---	---
2.4G	Ant1	2480	1.9608	2478.9917	2480.9525	---	---

Test Graphs



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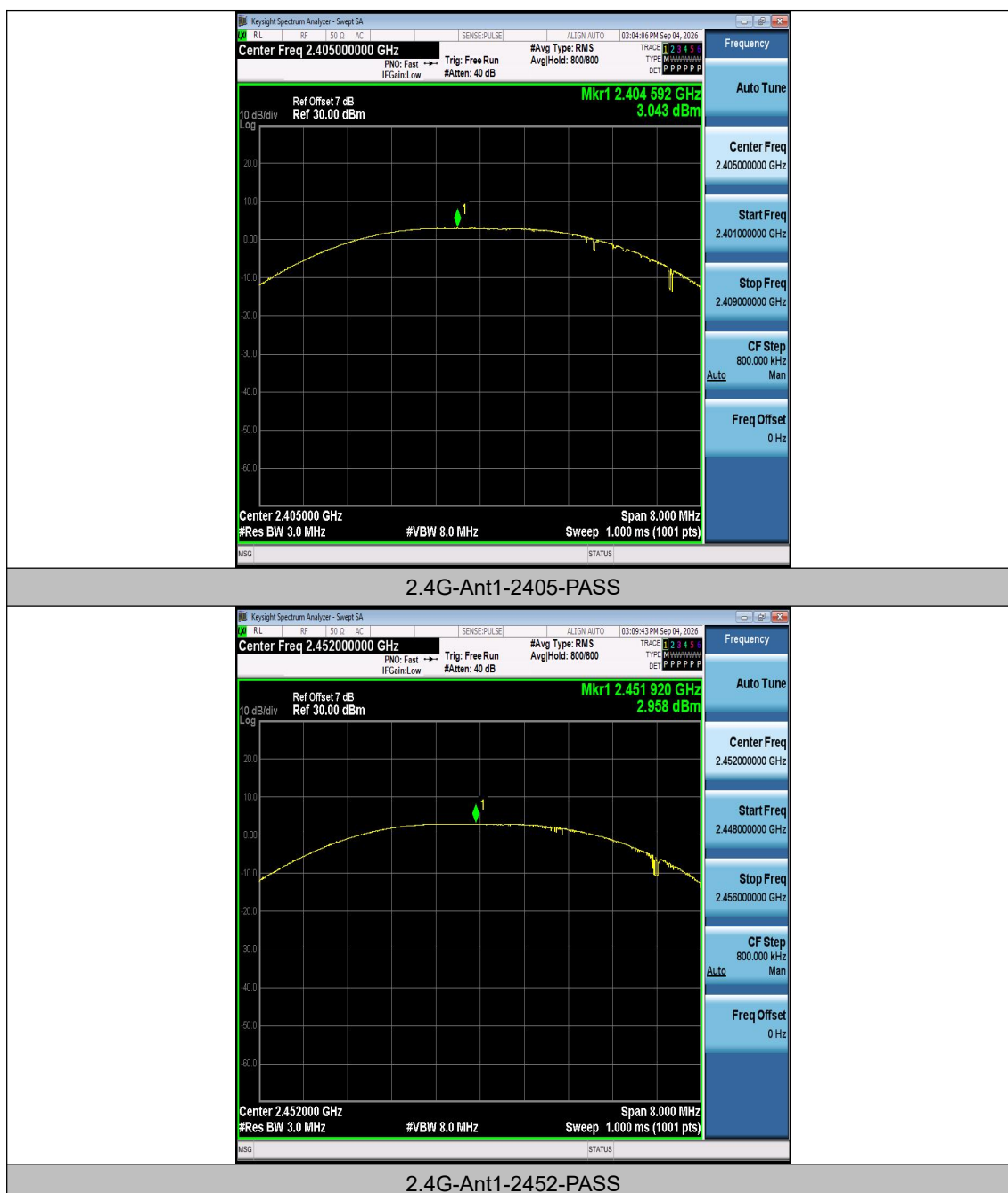
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Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2405	3.04	≤20.97	PASS
2.4G	Ant1	2452	2.96	≤20.97	PASS
2.4G	Ant1	2480	2.97	≤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	2.010	≥1.260	PASS

Note:1. For conducted power less than 0.125 W(20.97 dBm), the limit can be set using hopping channel carrier frequencies that are separated by 25 kHz or two thirds of the 20 dB bandwidth of the hopping channel, whichever is greater.

2.During testing, only the scenario with the closest adjacent channels was tested(worst-case mode), and the report only records only the worst-case mode.

Test Graphs



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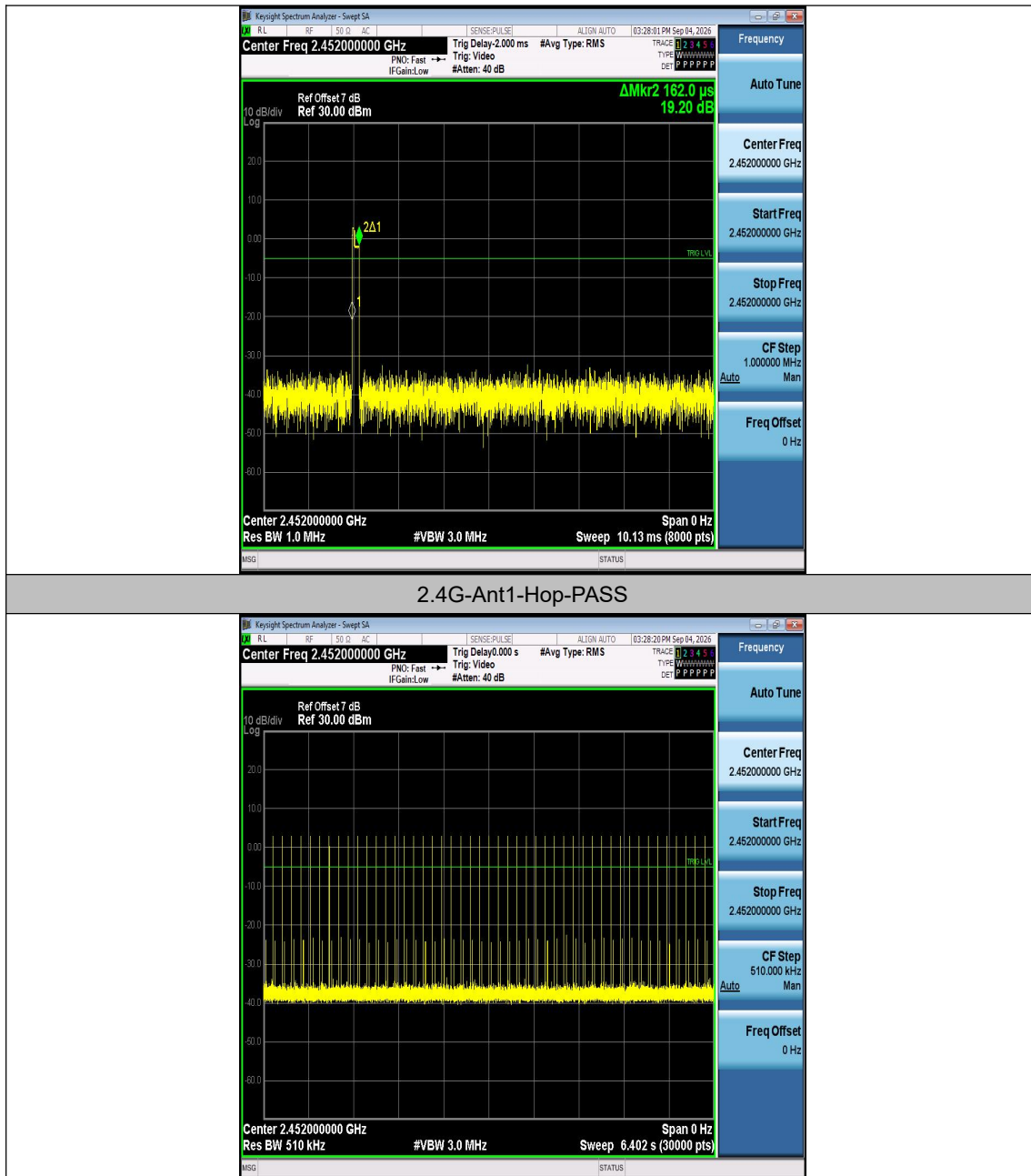
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	0.162	47	0.008	≤0.4	PASS

Test Graphs



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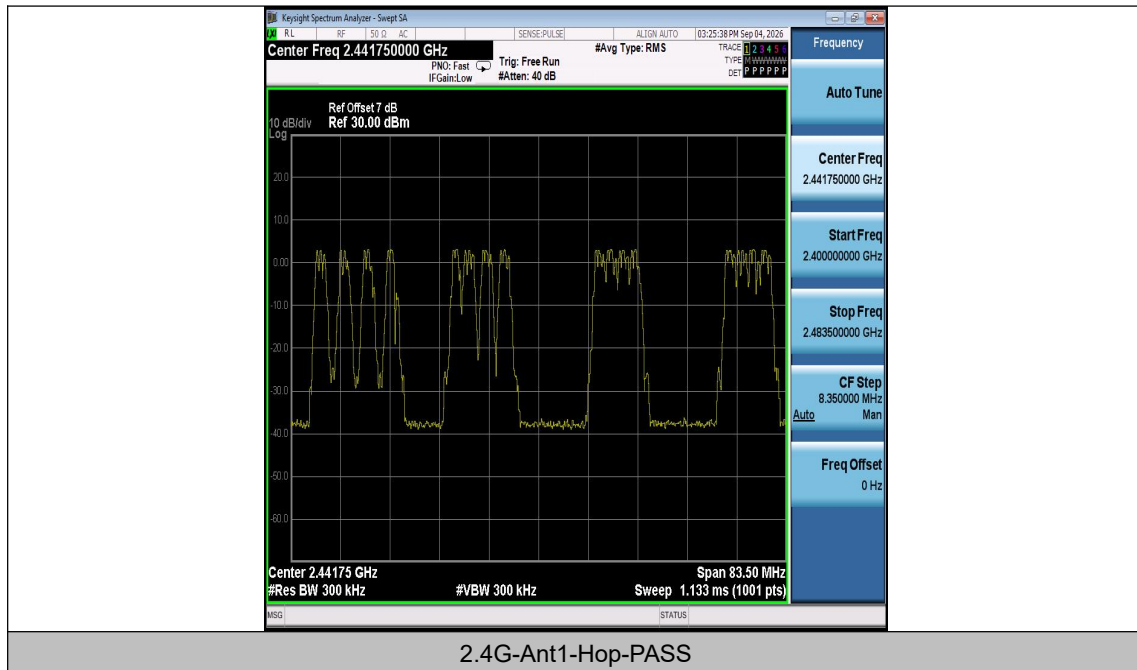
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Appendix F: Number of Hopping Channel

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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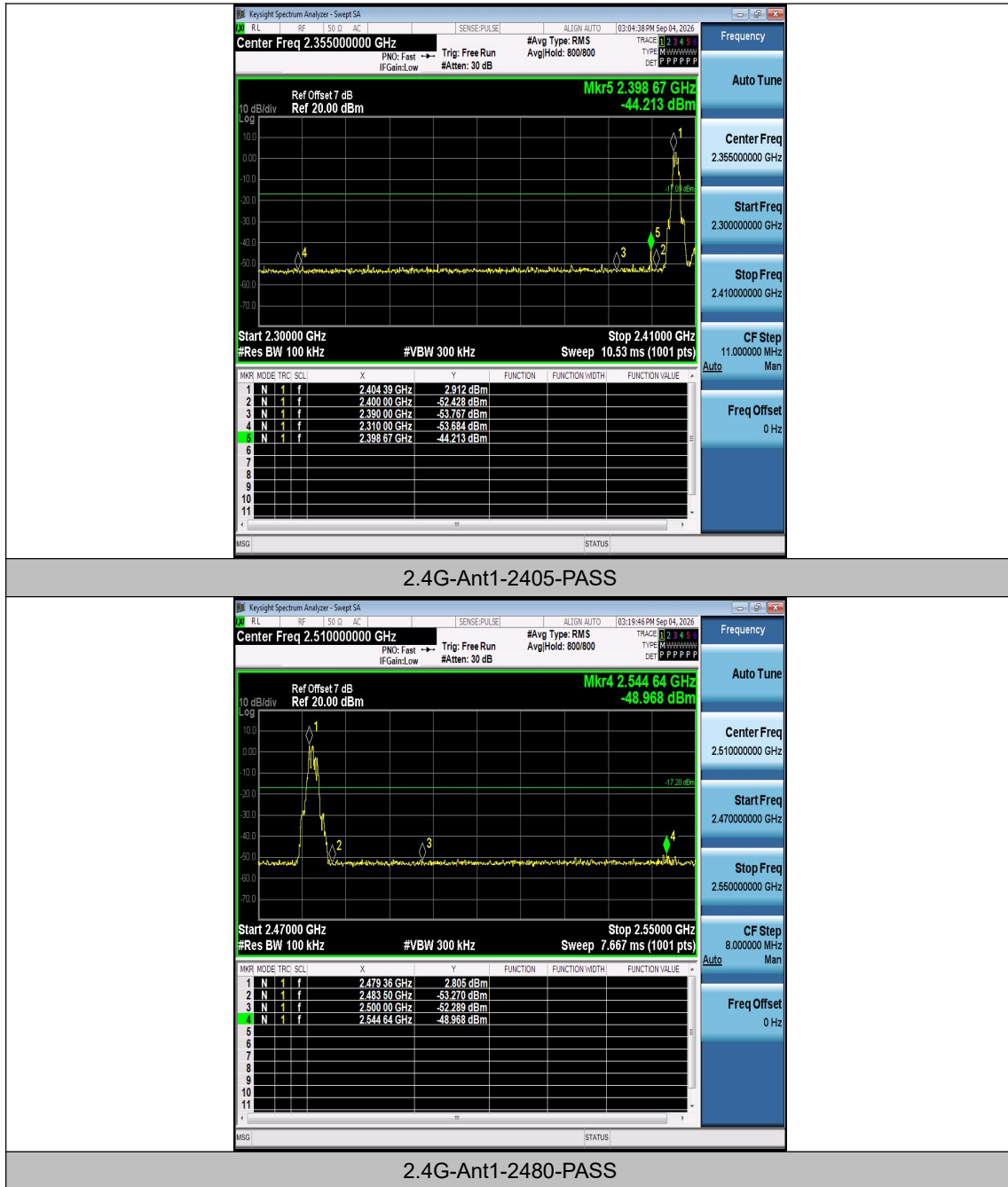
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Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2405	2.91	-44.21	≤-17.09	PASS
2.4G	Ant1	High	2480	2.81	-48.97	≤-17.2	PASS
2.4G	Ant1	Low	Hop	2.75	-50.46	≤-17.26	PASS
2.4G	Ant1	High	Hop	2.85	-32.88	≤-17.15	PASS

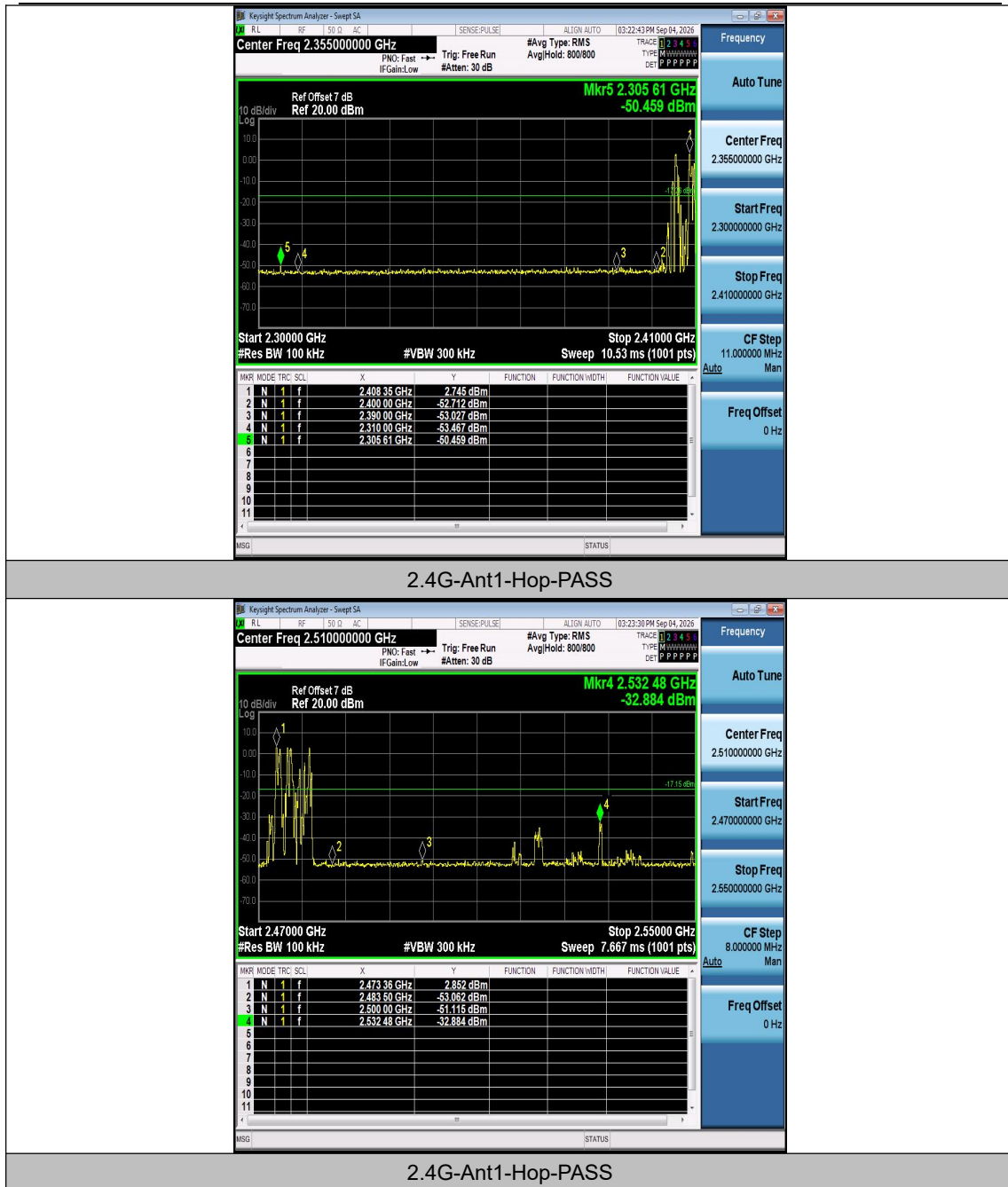
Test Graphs



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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	2.83	2.83	---	PASS
2.4G	Ant1	2405	30~1000	2.83	-52.23	≤-17.17	PASS
2.4G	Ant1	2405	1000~26500	2.83	-36.82	≤-17.17	PASS
2.4G	Ant1	2452	0~Reference	2.83	2.83	---	PASS
2.4G	Ant1	2452	30~1000	2.83	-51.94	≤-17.17	PASS
2.4G	Ant1	2452	1000~26500	2.83	-36.43	≤-17.17	PASS
2.4G	Ant1	2480	0~Reference	2.79	2.79	---	PASS
2.4G	Ant1	2480	30~1000	2.79	-51	≤-17.21	PASS
2.4G	Ant1	2480	1000~26500	2.79	-36.6	≤-17.21	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.

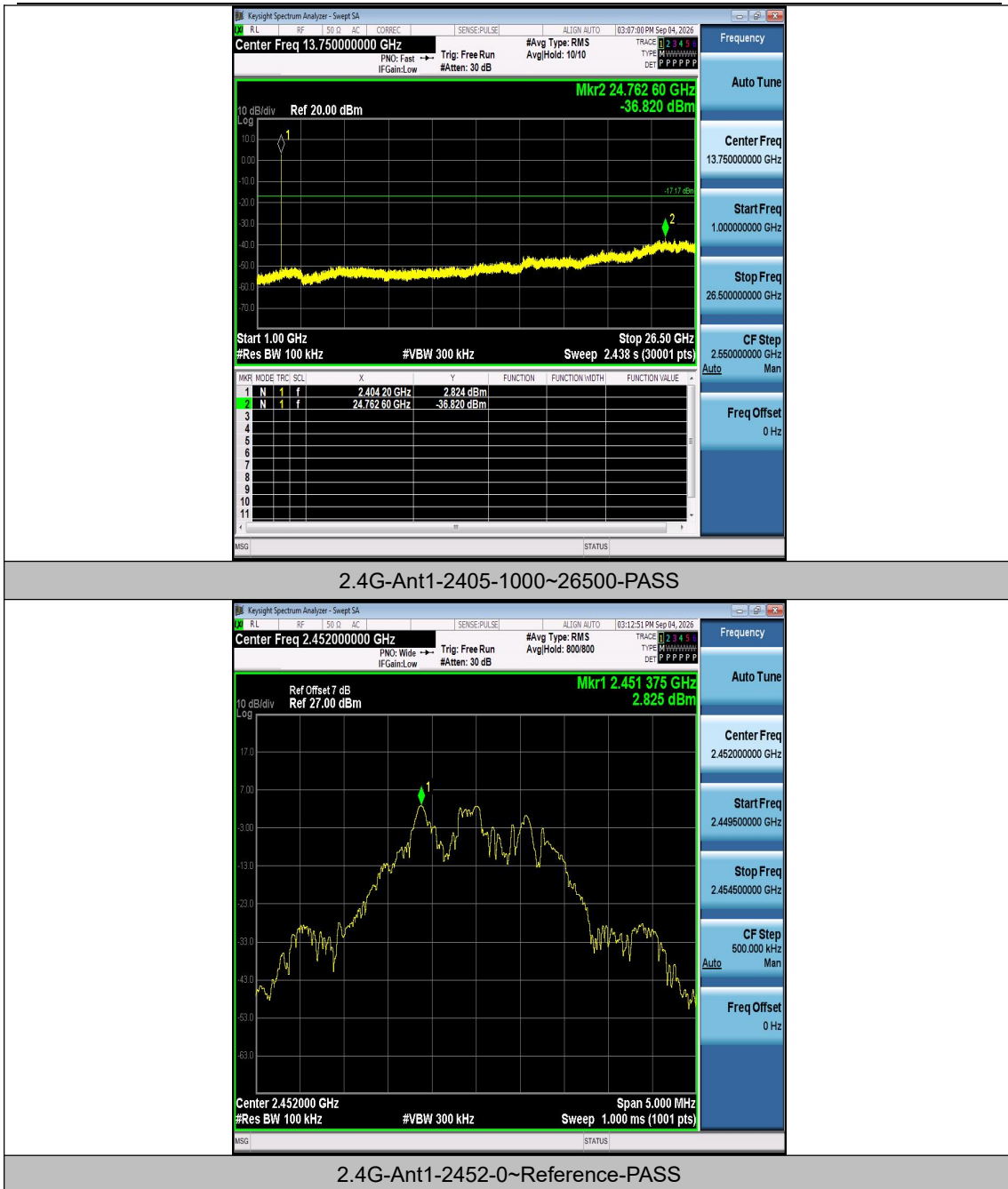
Test Graphs



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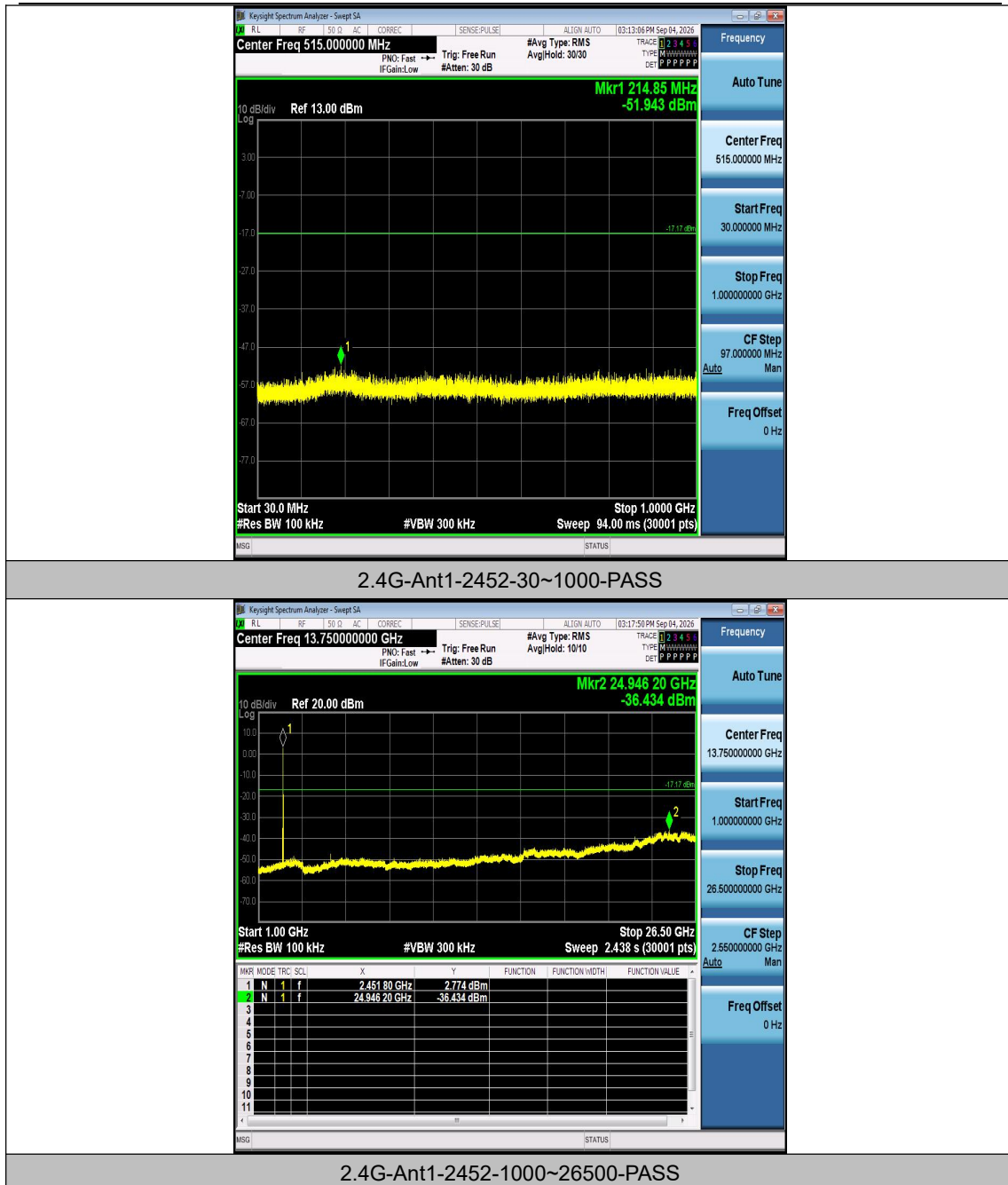
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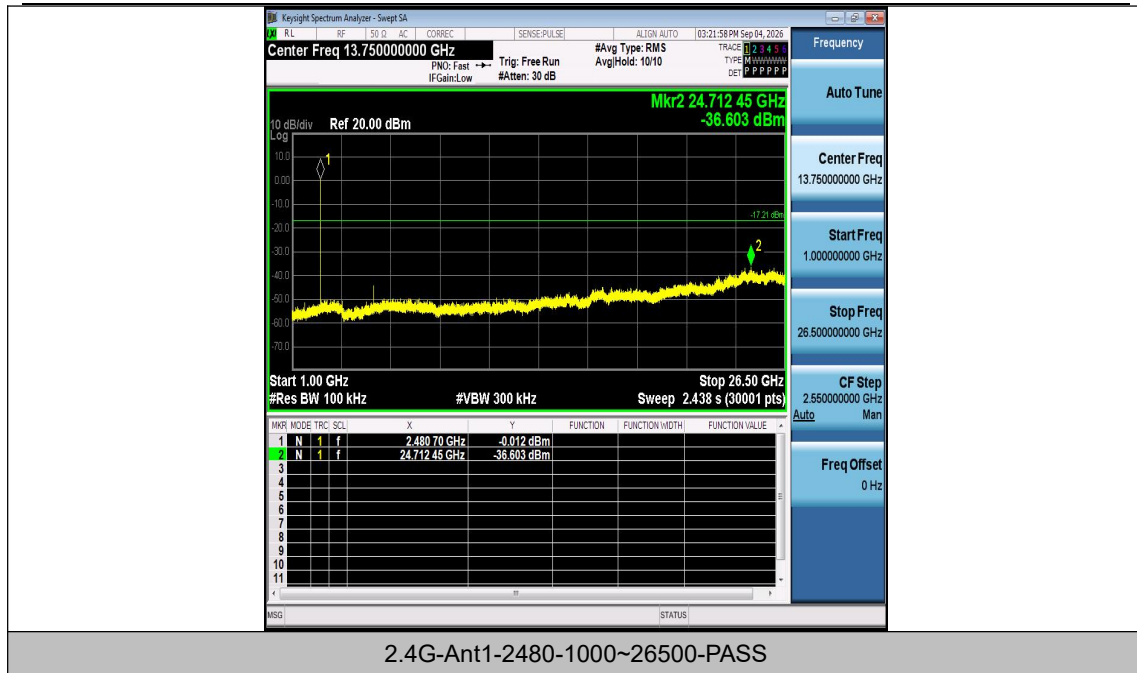
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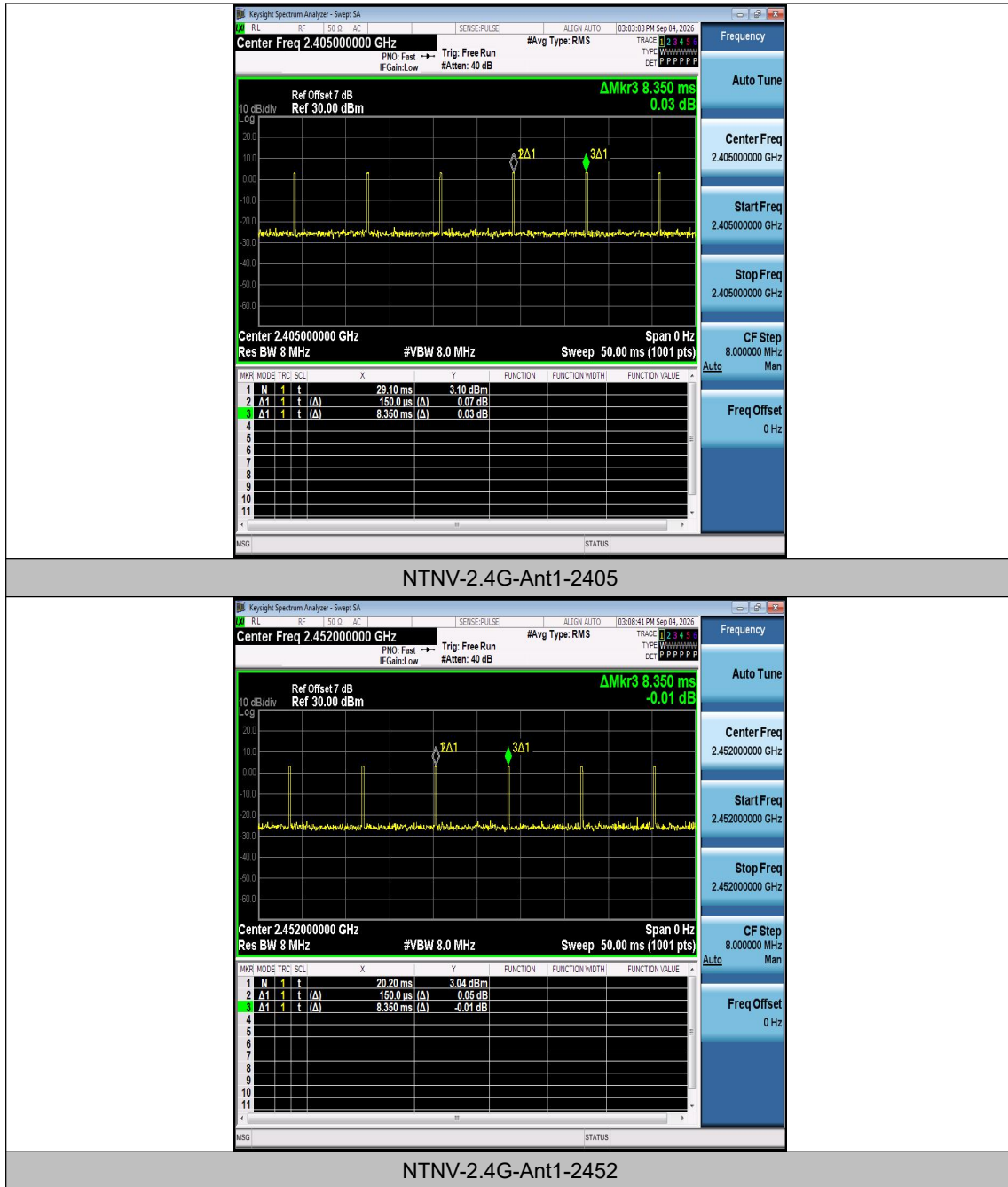
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Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2405	0.15	8.35	1.80	17.45
2.4G	Ant1	2452	0.15	8.35	1.80	17.45
2.4G	Ant1	2480	0.15	8.35	1.80	17.45

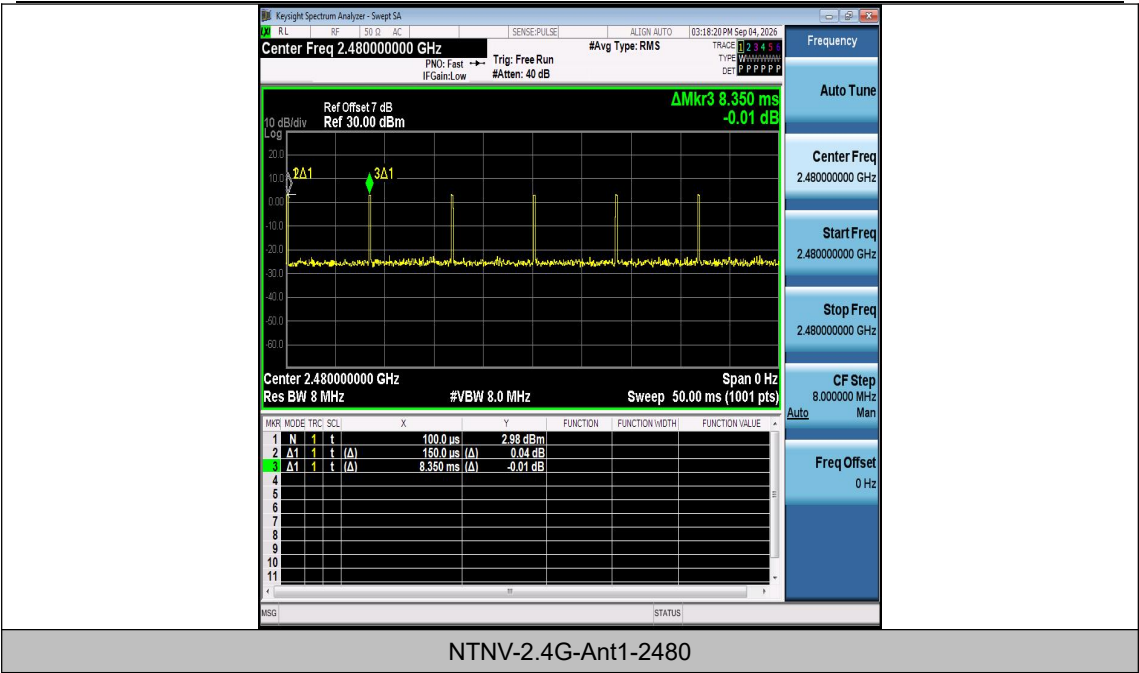
Test Graphs



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