

Appendix Test Data

Report No.:	1812C60358512501-01	Test Sample No.:	1-2-2
Start Test Date:	2026-6-30	Finish Test Date:	2026-7-7
Test Engineer:	Pearl Ao	Auditor:	Justin Feng
Temperature:	24°C	Relative Humidity:	62%
Pressure:	100.1kPa		



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	2.070	2401.968	2404.038	---	---
2.4G	Ant1	2441	2.052	2439.986	2442.038	---	---
2.4G	Ant1	2479	2.064	2477.980	2480.044	---	---

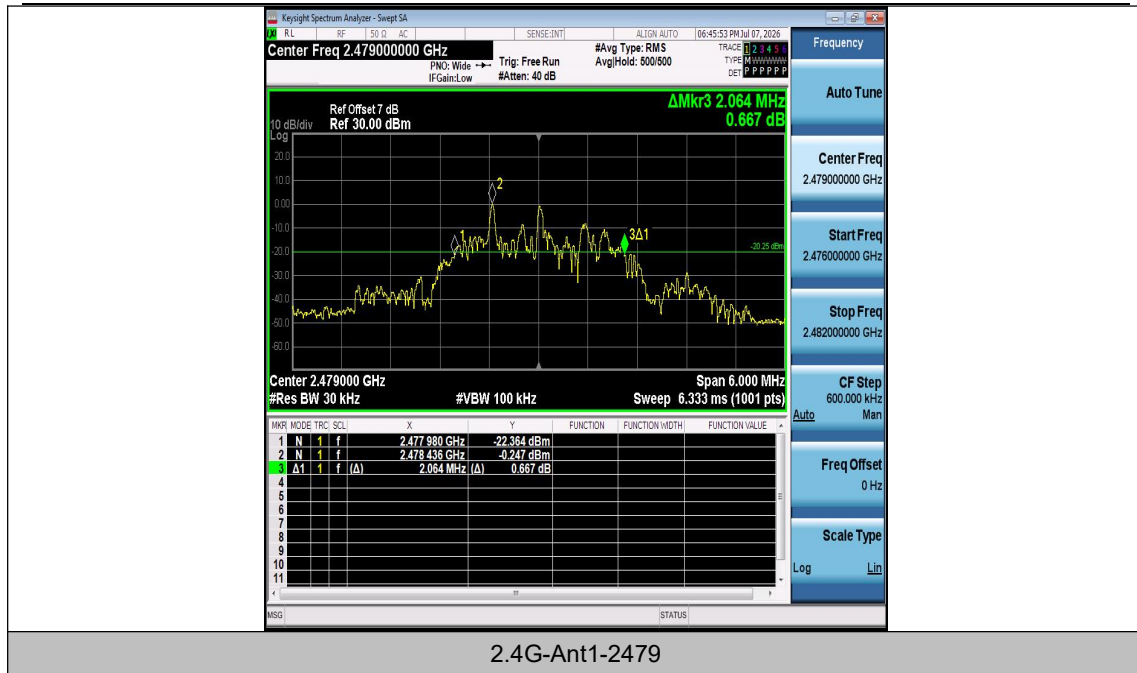
Test Graphs



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2.4G-Ant1-2479

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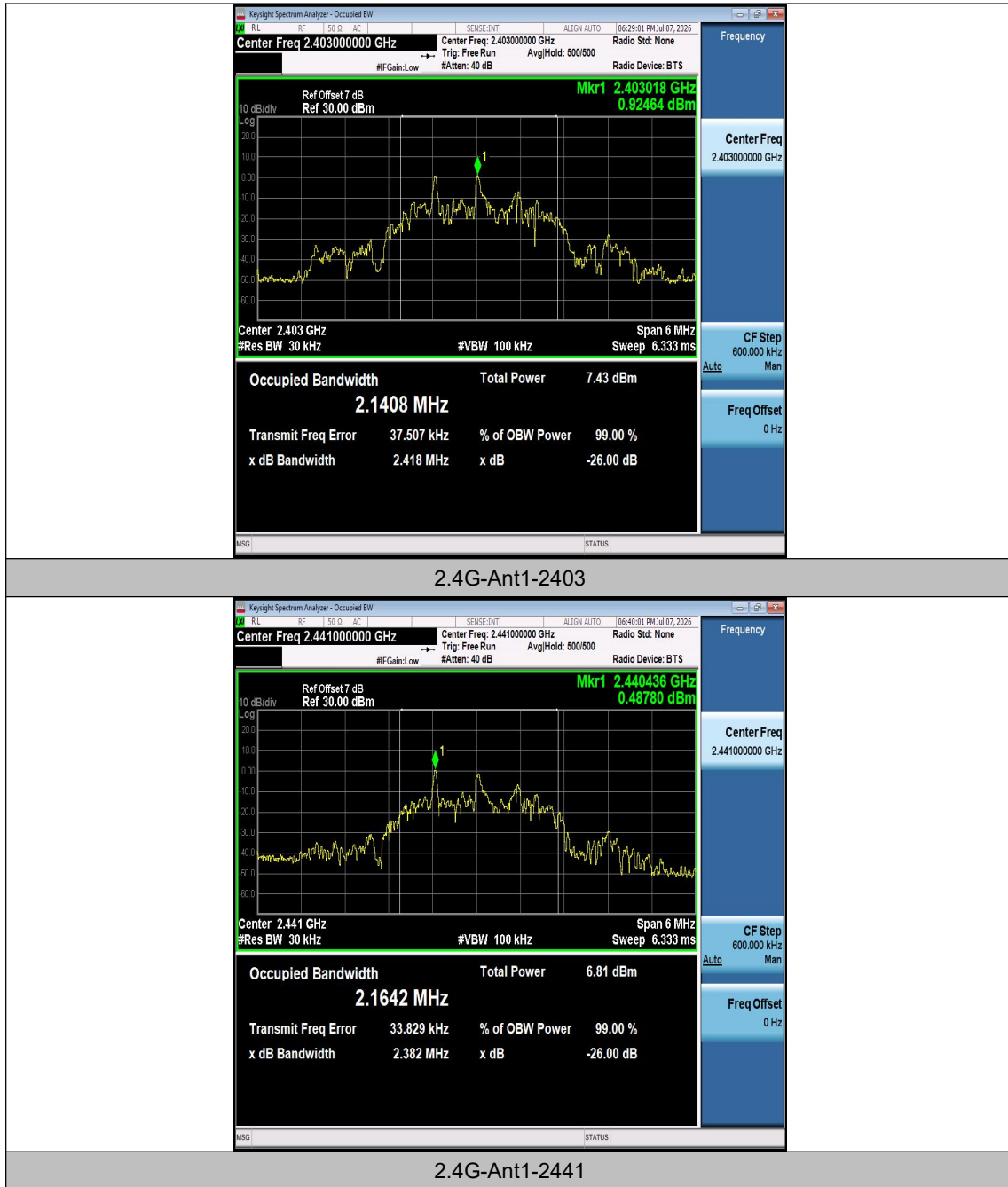
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Appendix B: 99% Occupied Bandwidth**Test Result**

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.1408	2401.9671	2404.1079	---	---
2.4G	Ant1	2441	2.1642	2439.9517	2442.1159	---	---
2.4G	Ant1	2479	2.1453	2477.9364	2480.0817	---	---

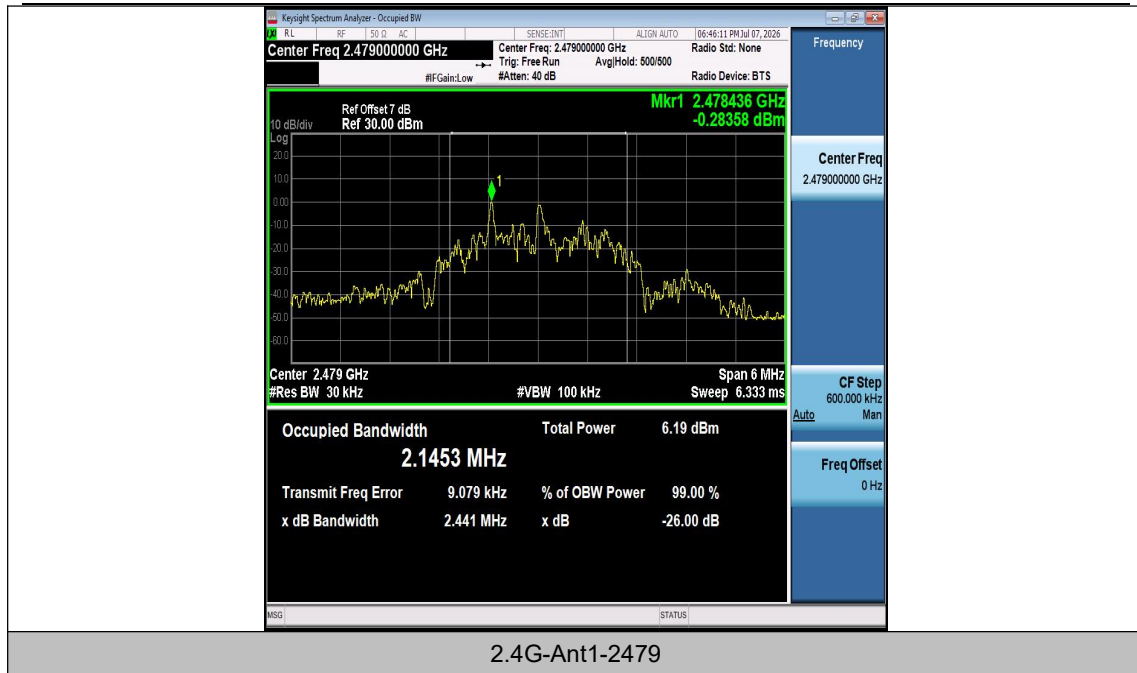
Test Graphs



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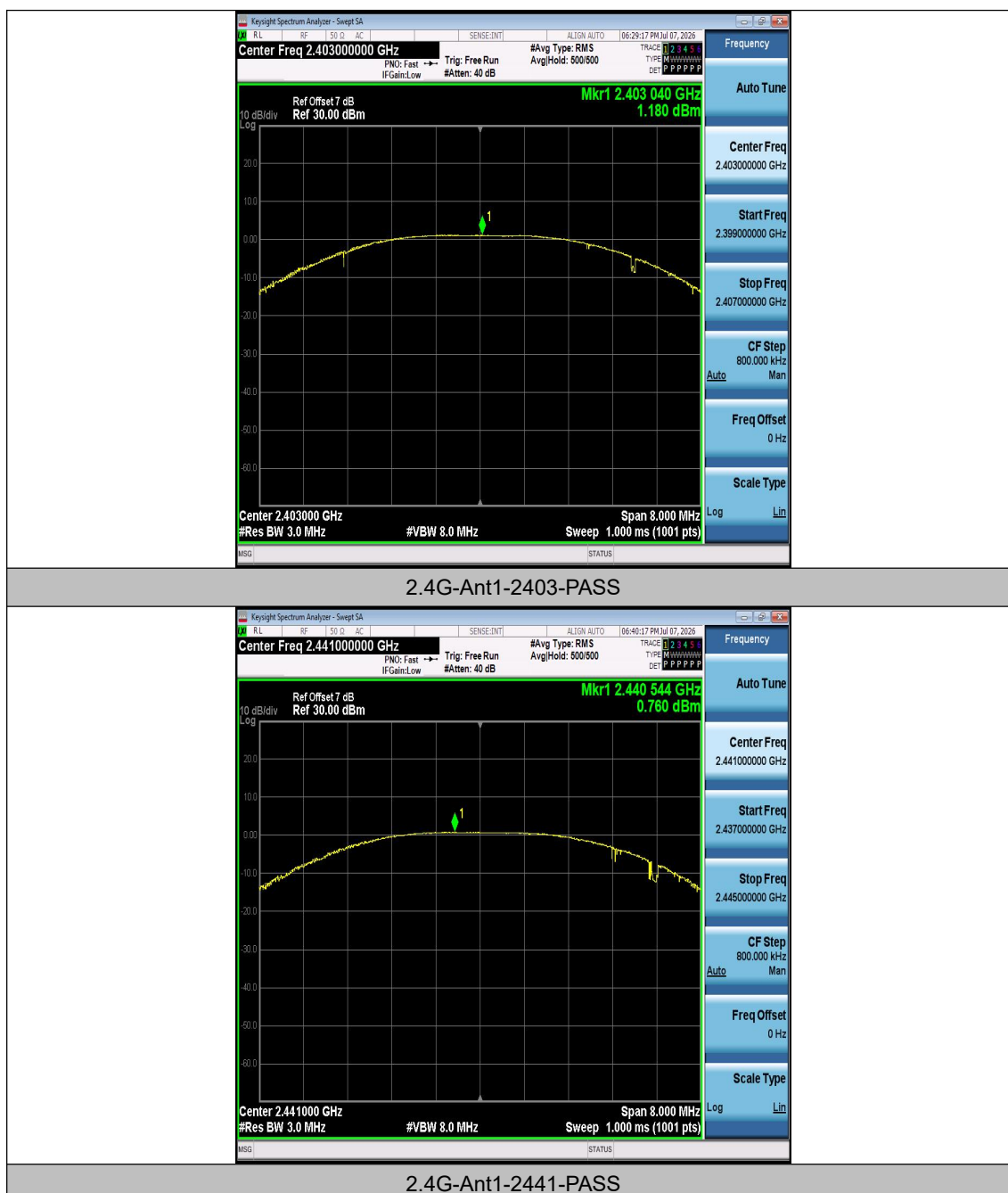
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Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	1.18	≤20.97	PASS
2.4G	Ant1	2441	0.76	≤20.97	PASS
2.4G	Ant1	2479	0.26	≤20.97	PASS

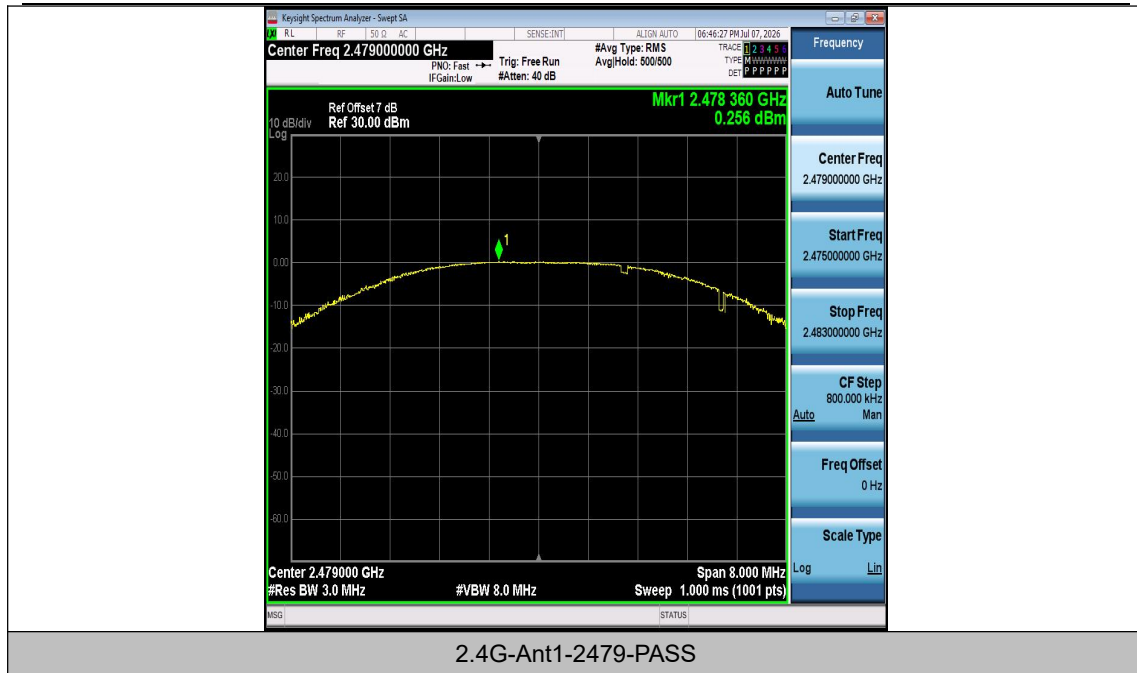
Test Graphs



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Appendix D: Carrier frequency separation

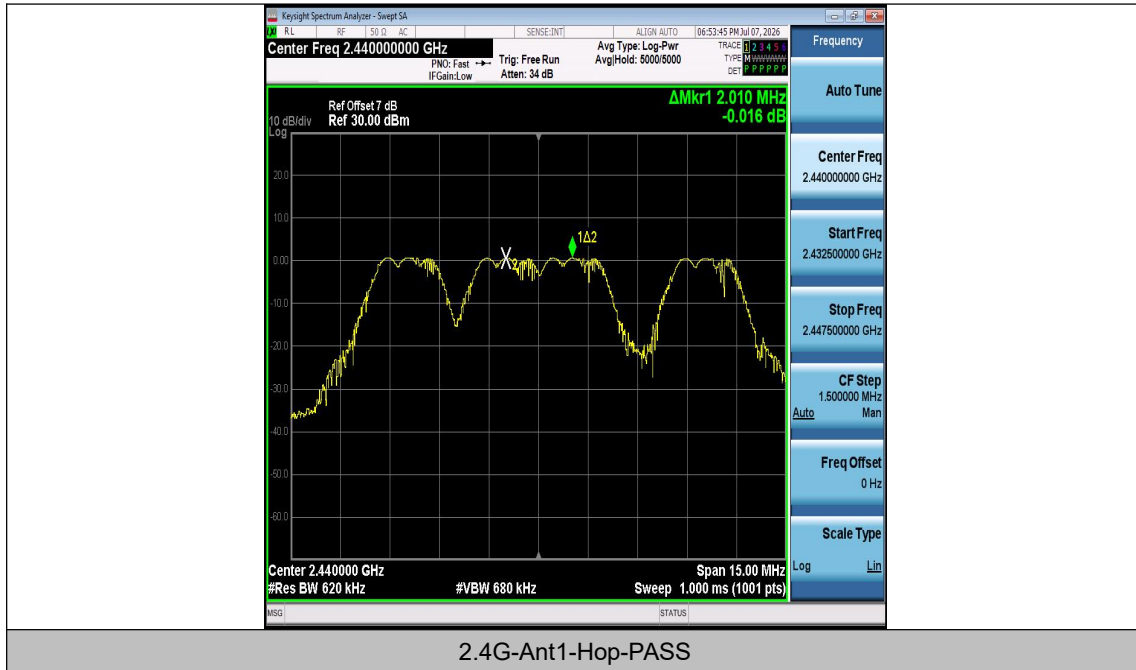
Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.010	≥1.380	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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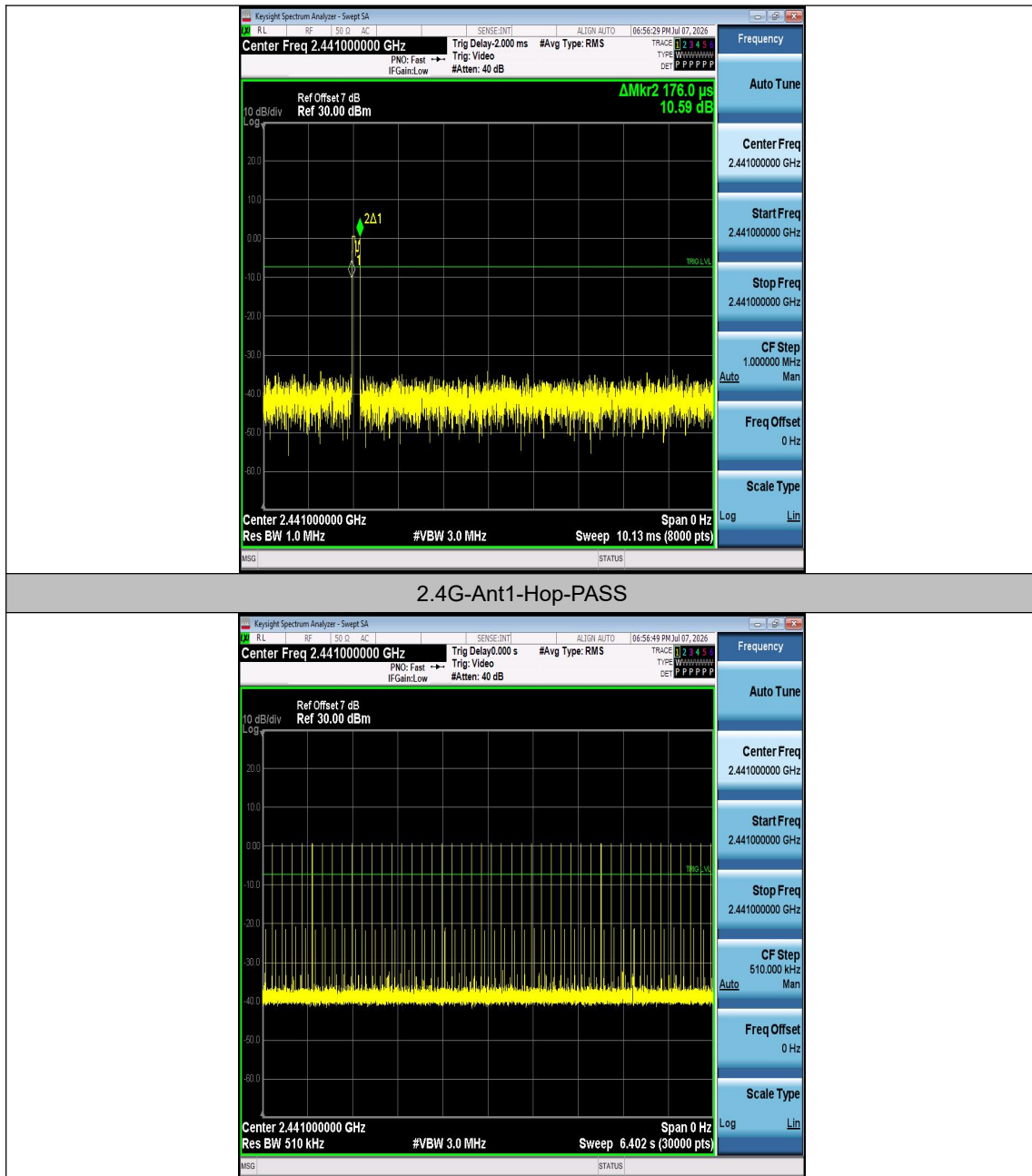
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	0.176	45	0.00792	≤0.4	PASS

Test Graphs



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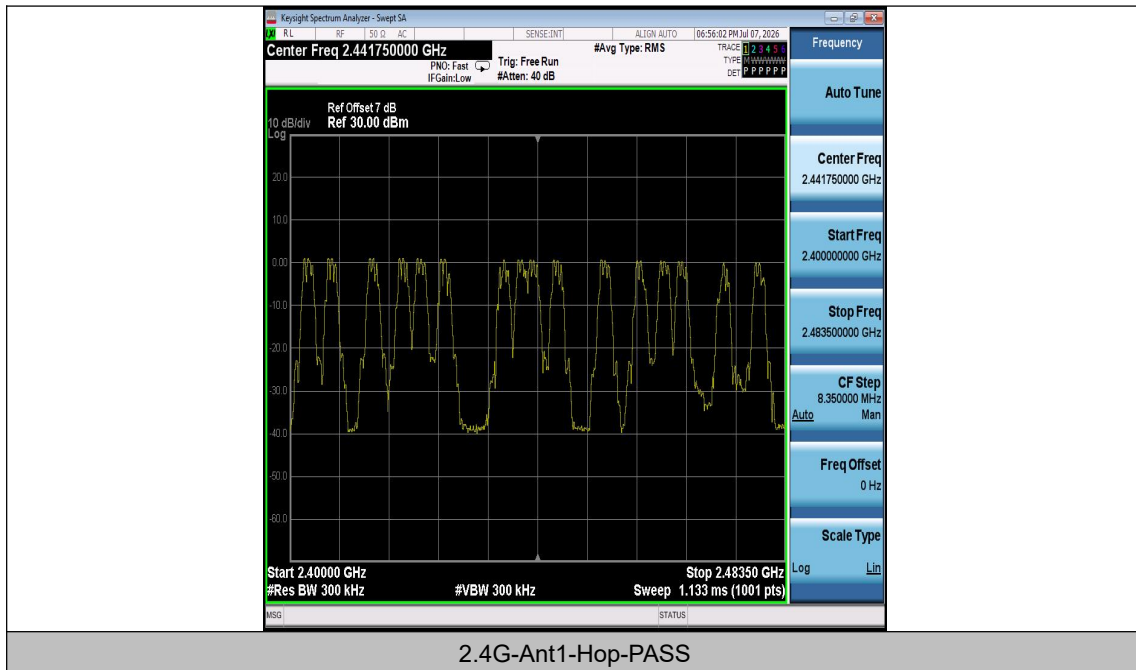
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Appendix F: Number of Hopping Channel

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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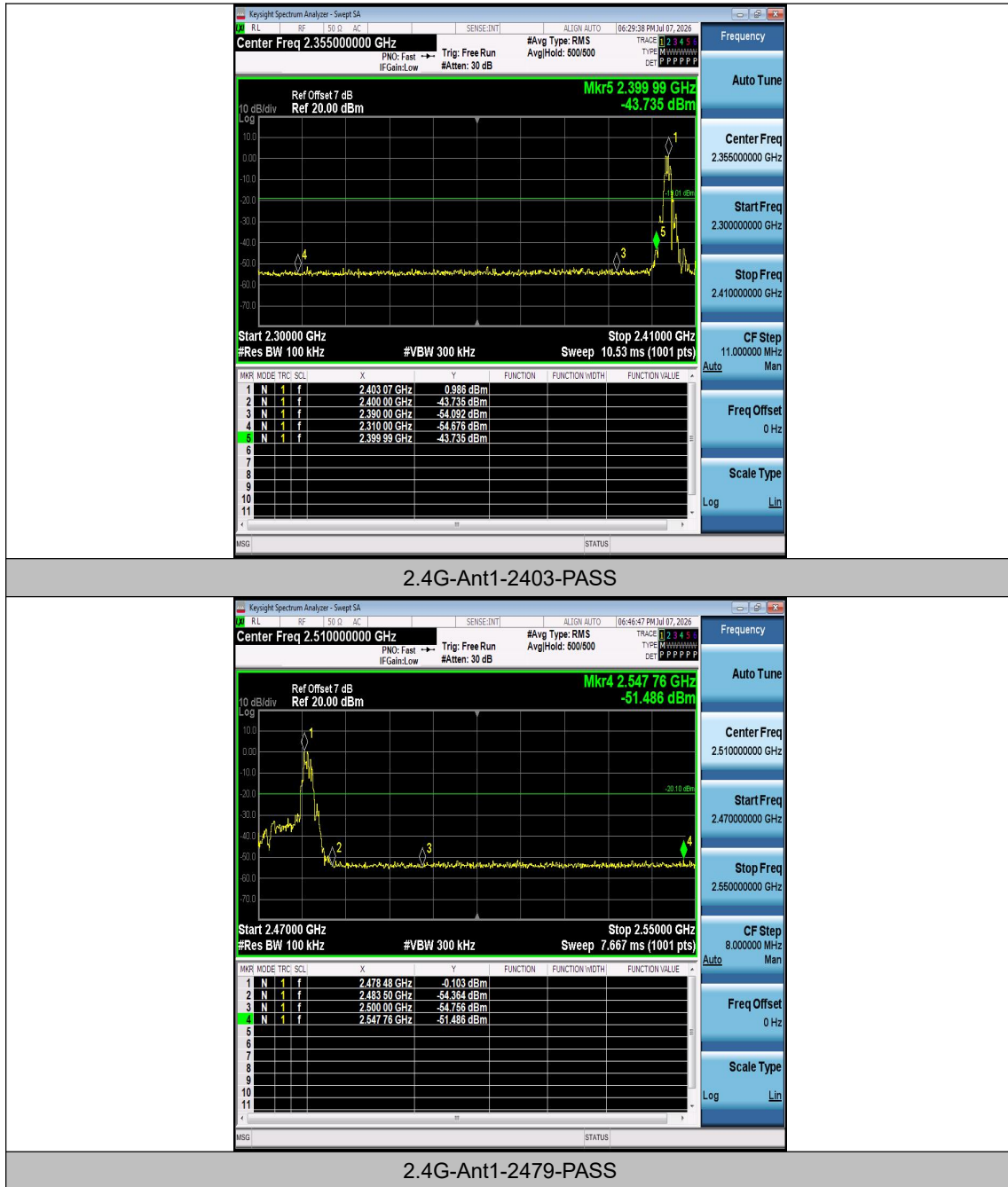
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Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	0.99	-43.74	≤-19.01	PASS
2.4G	Ant1	High	2479	-0.10	-51.49	≤-20.1	PASS
2.4G	Ant1	Low	Hop	0.81	-44.19	≤-19.19	PASS
2.4G	Ant1	High	Hop	-0.03	-46.63	≤-20.03	PASS

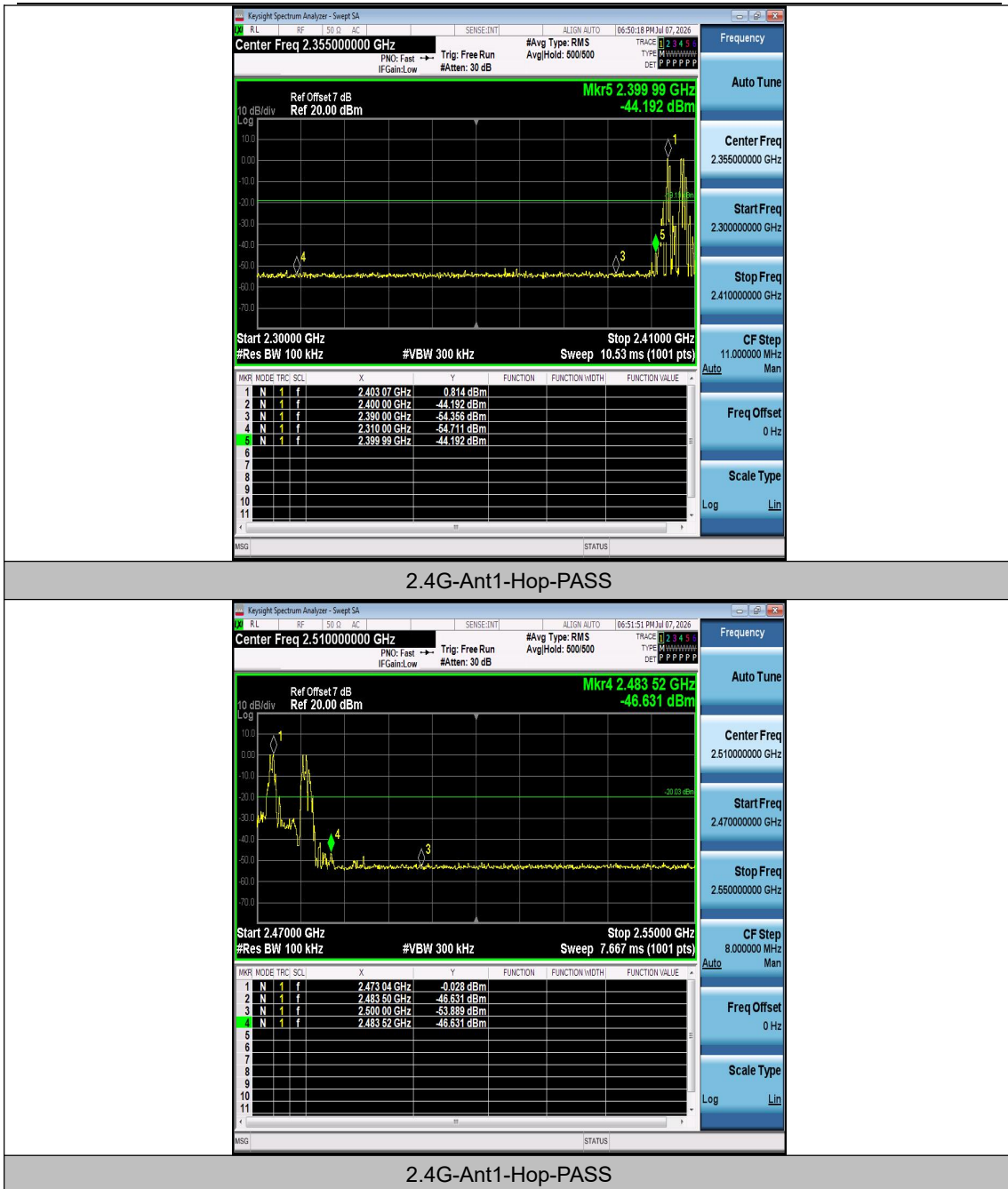
Test Graphs



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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	2403	0~Reference	0.90	0.90	---	PASS
2.4G	Ant1	2403	30~1000	0.90	-53.62	≤-19.1	PASS
2.4G	Ant1	2403	1000~26500	0.90	-38.2	≤-19.1	PASS
2.4G	Ant1	2441	0~Reference	0.54	0.54	---	PASS
2.4G	Ant1	2441	30~1000	0.54	-52.52	≤-19.46	PASS
2.4G	Ant1	2441	1000~26500	0.54	-40.17	≤-19.46	PASS
2.4G	Ant1	2479	0~Reference	-0.12	-0.12	---	PASS
2.4G	Ant1	2479	30~1000	-0.12	-53.47	≤-20.12	PASS
2.4G	Ant1	2479	1000~26500	-0.12	-42.34	≤-20.12	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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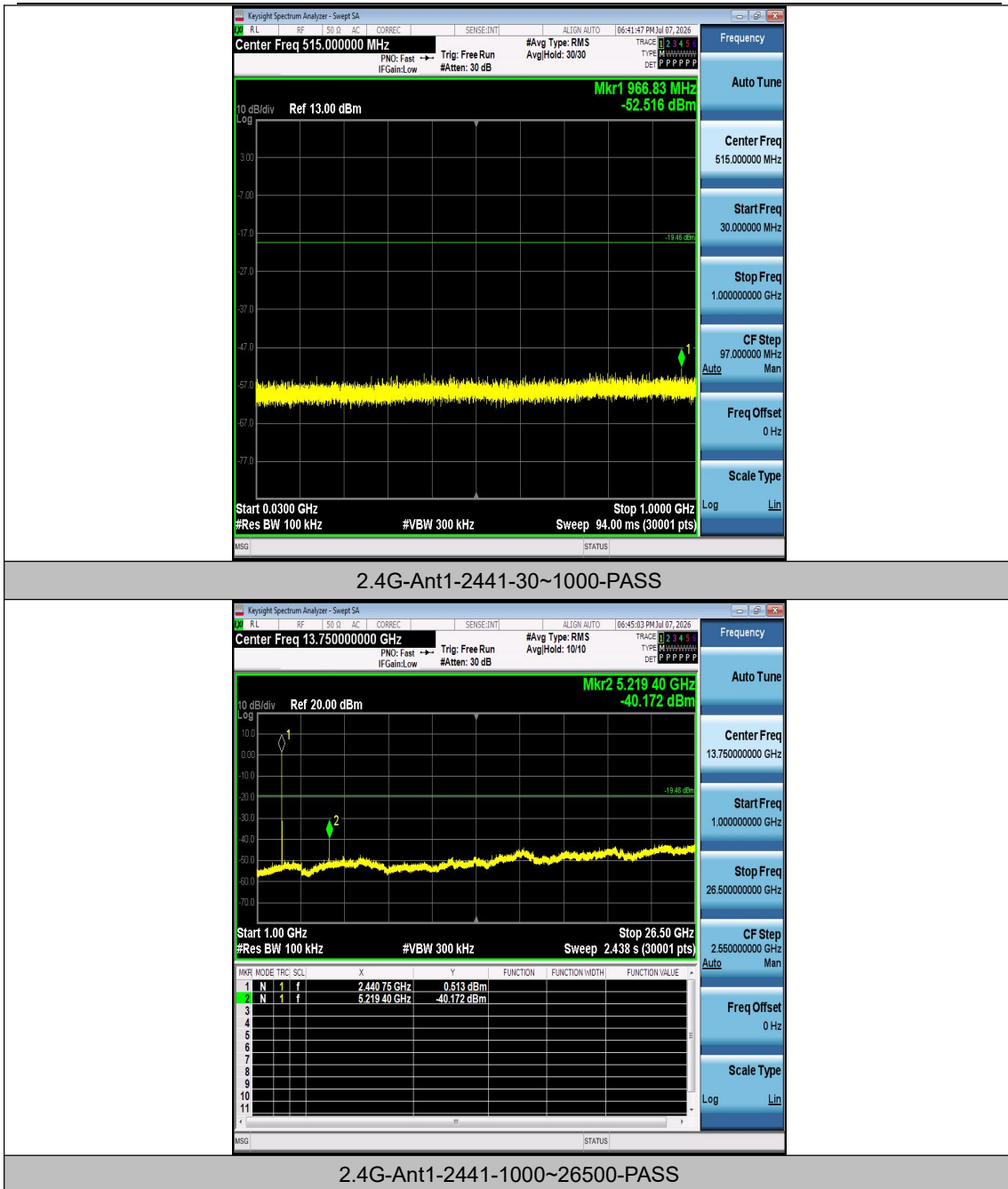
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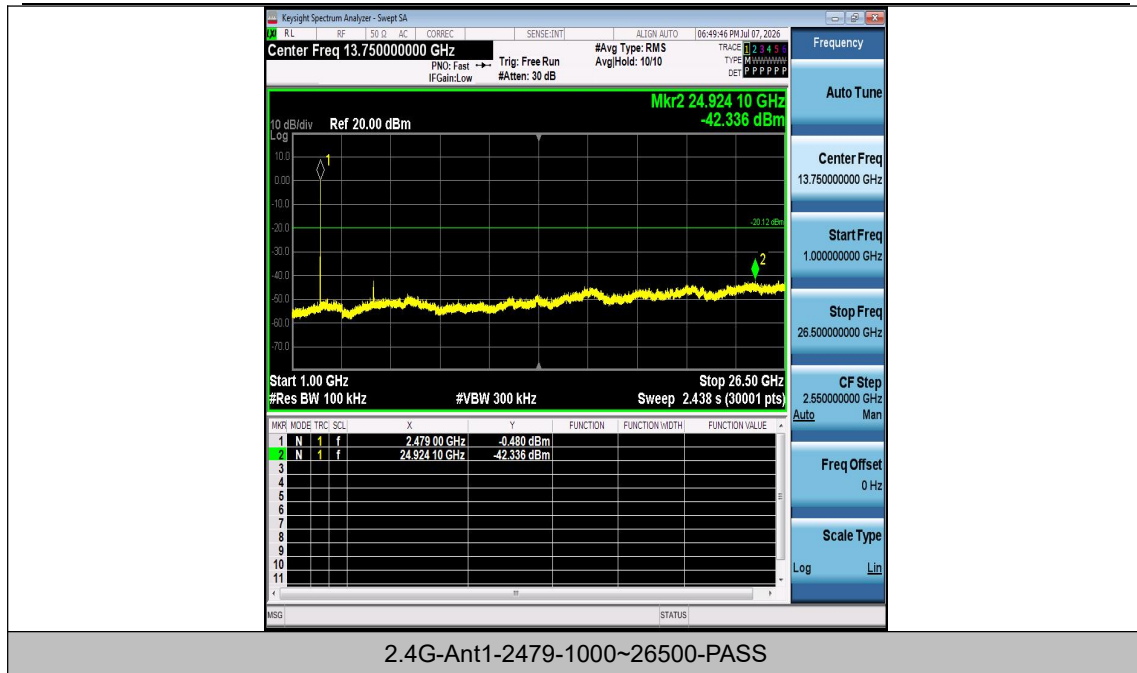
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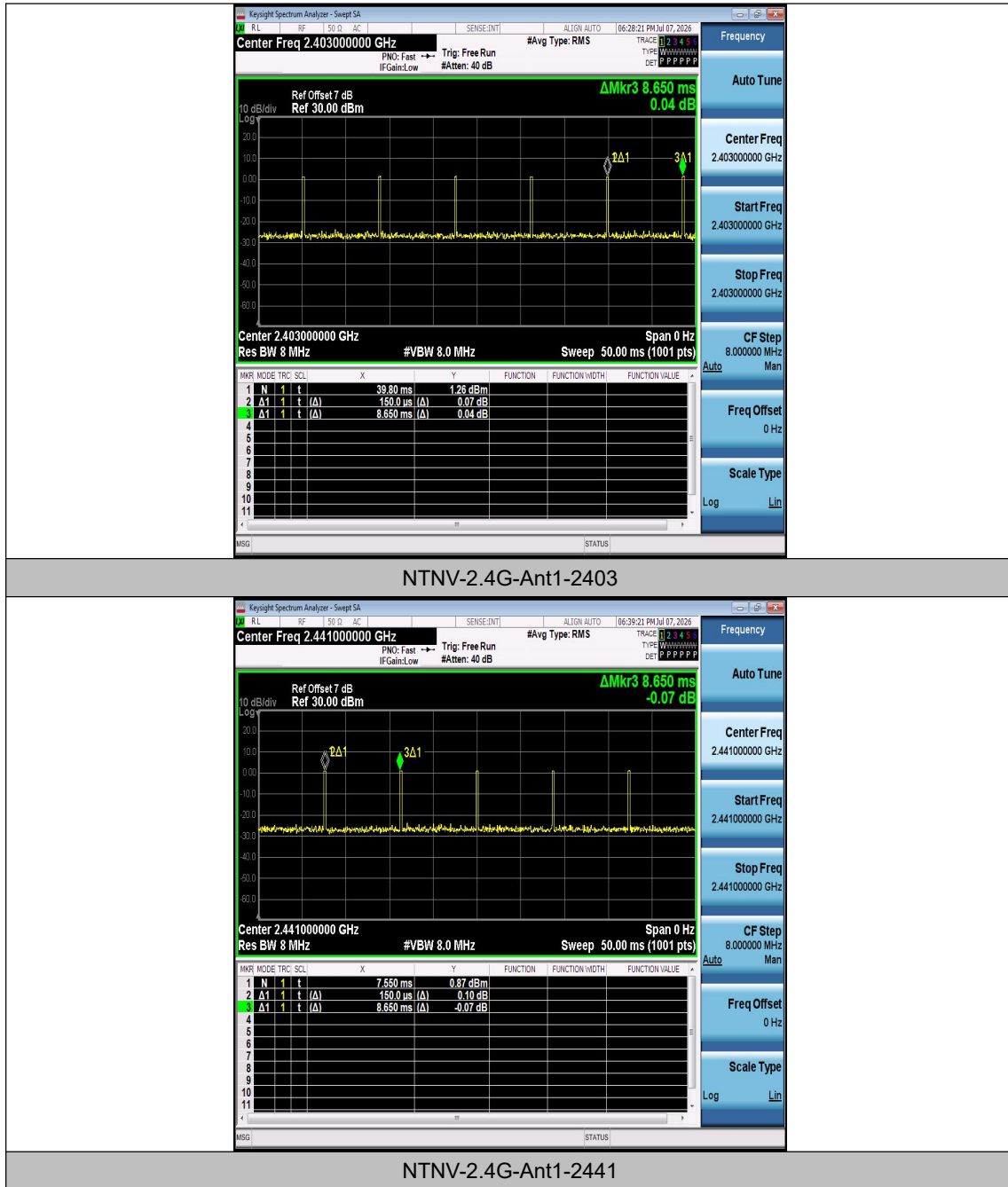
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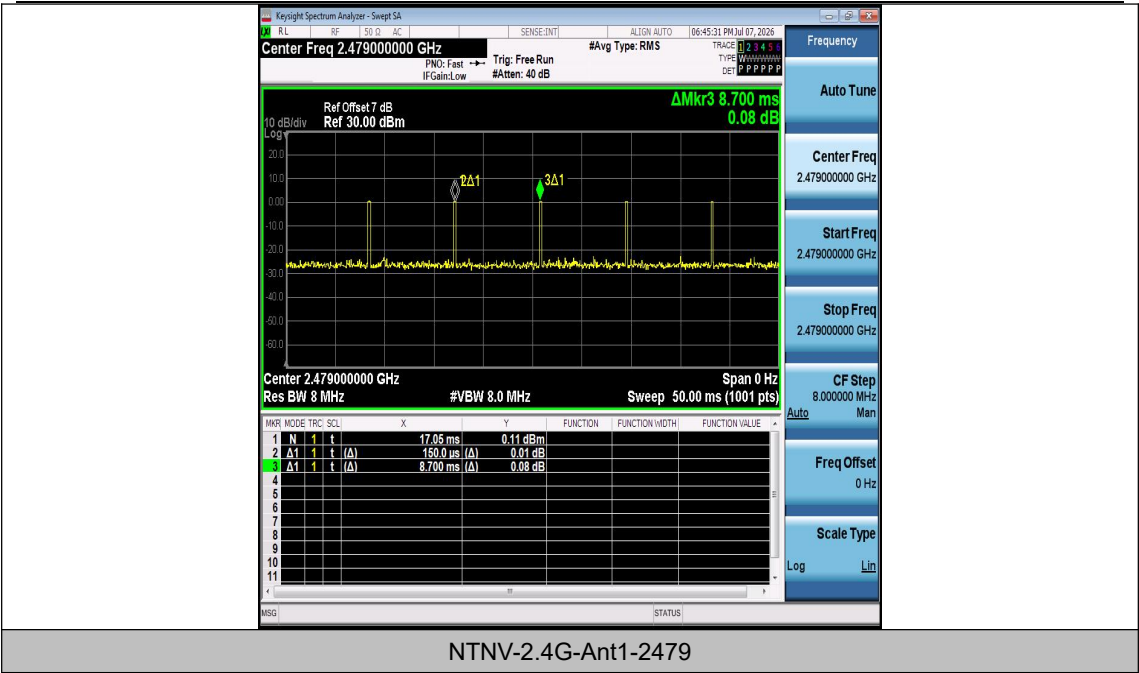
Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2403	0.15	8.65	1.73	17.62
2.4G	Ant1	2441	0.15	8.65	1.73	17.62
2.4G	Ant1	2479	0.15	8.70	1.72	17.64

Test Graphs





---End---