

Appendix Test Data

Report No.:	1812C50528612502-01	Test Sample No.:	1-2-2
Start Test Date:	2025-10-20	Finish Test Date:	2025-10-21
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	26.7°C	Relative Humidity:	60%
Pressure:	101kPa		

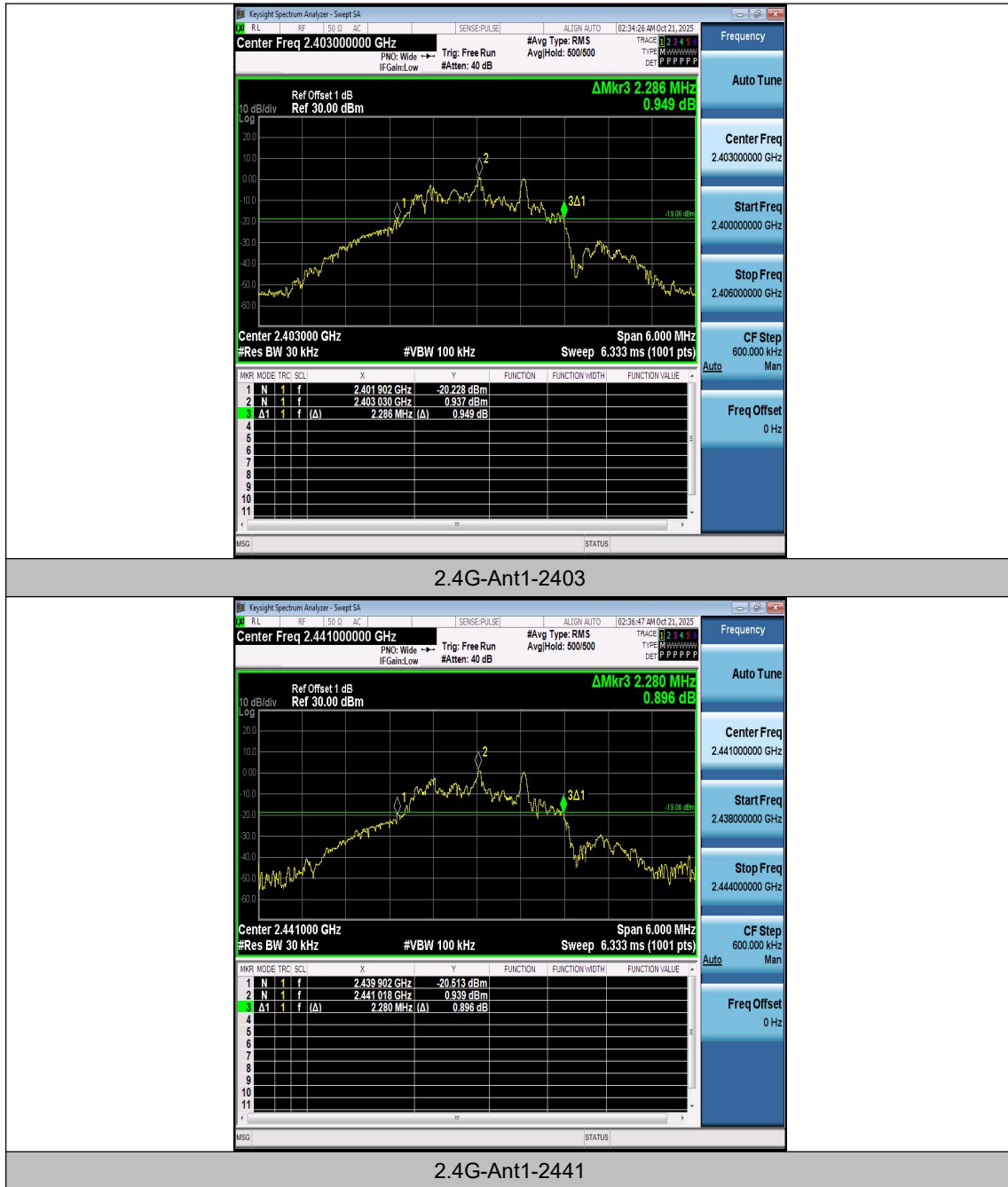


Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.286	2401.902	2404.188	---	---
2.4G	Ant1	2441	2.280	2439.902	2442.182	---	---
2.4G	Ant1	2480	2.178	2478.998	2481.176	---	---

Test Graphs



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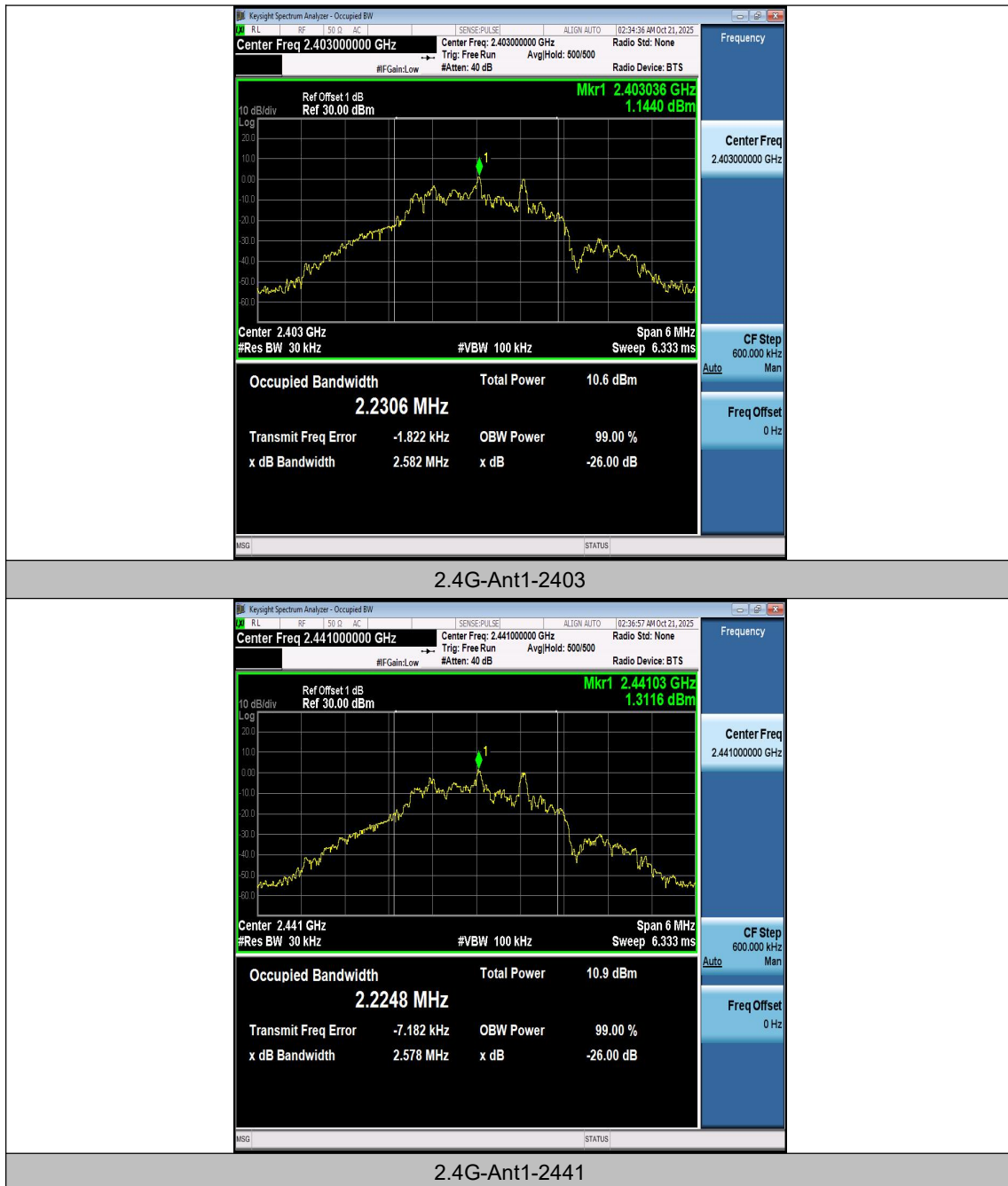
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Appendix B: 99% Occupied Bandwidth**Test Result**

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.2306	2401.8829	2404.1135	---	---
2.4G	Ant1	2441	2.2248	2439.8804	2442.1052	---	---
2.4G	Ant1	2480	2.2376	2478.8787	2481.1163	---	---

Test Graphs



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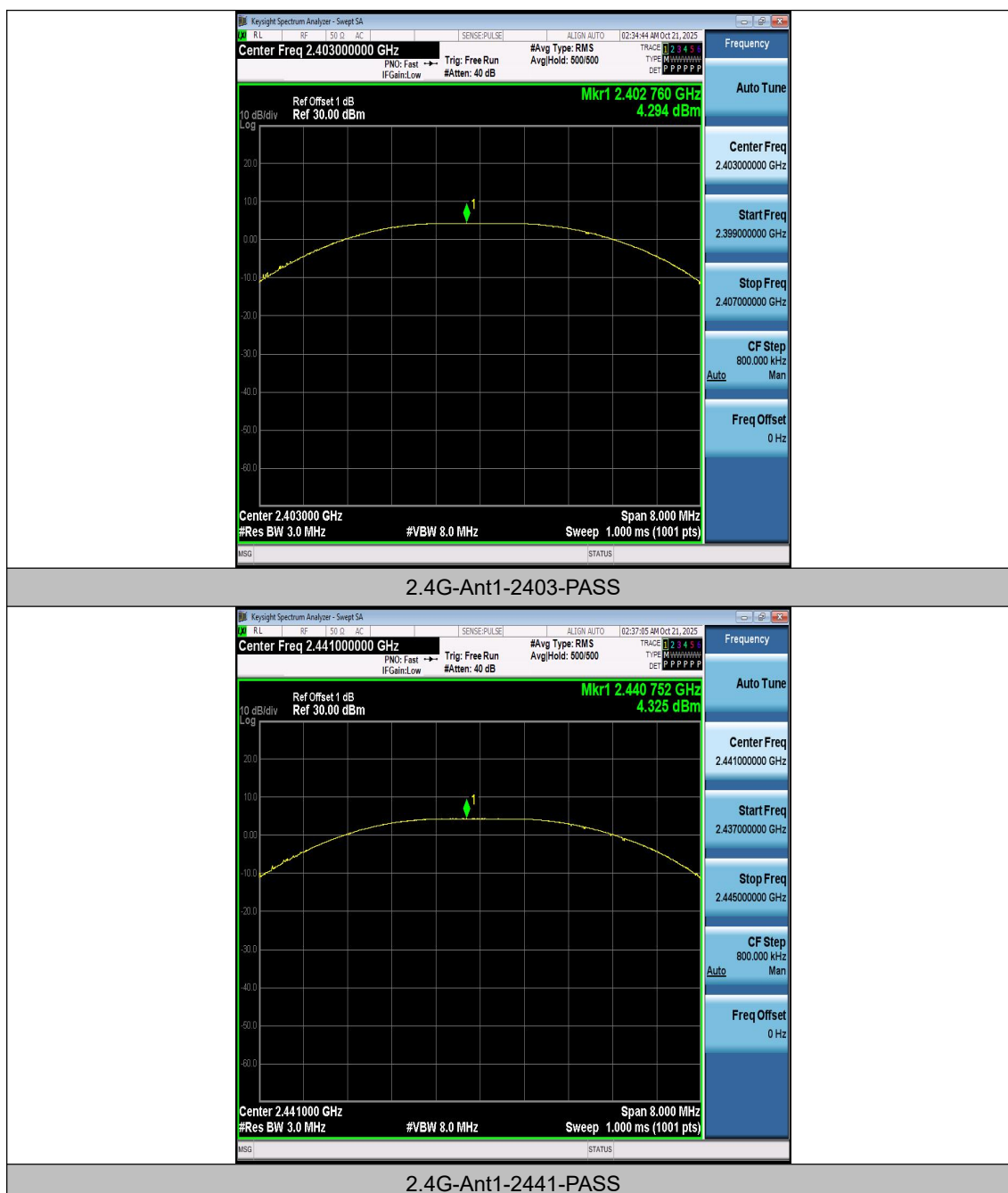
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Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	4.29	≤20.97	PASS
2.4G	Ant1	2441	4.33	≤20.97	PASS
2.4G	Ant1	2480	4.49	≤20.97	PASS

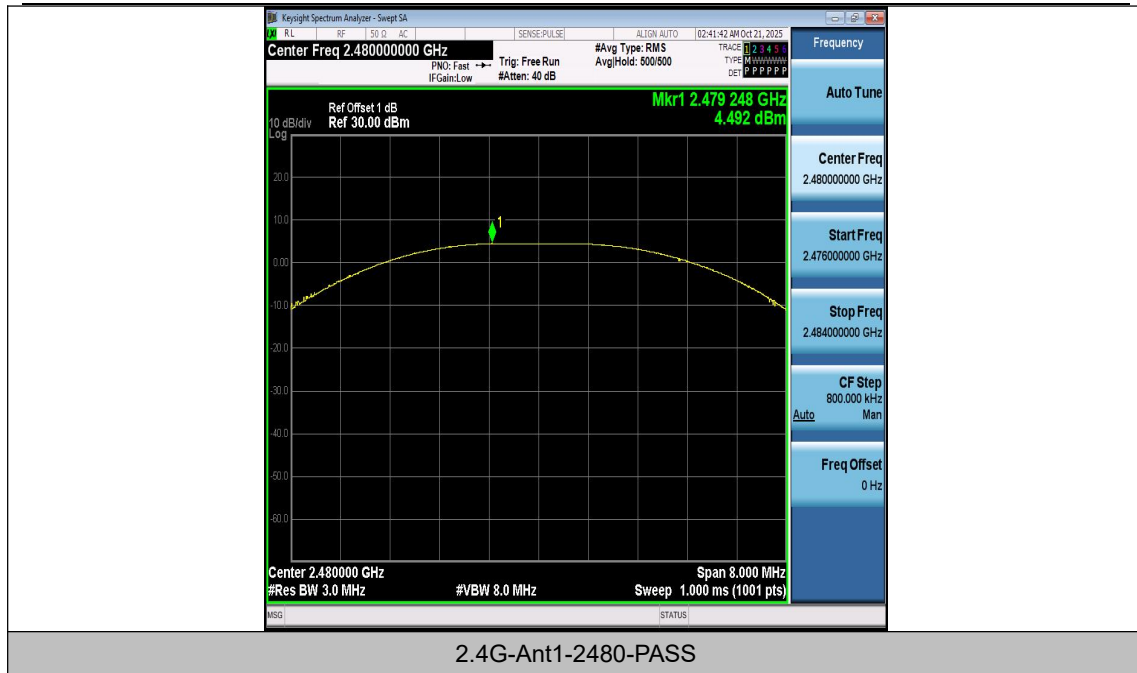
Test Graphs



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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	2.004	>1.524	PASS

Test Graphs



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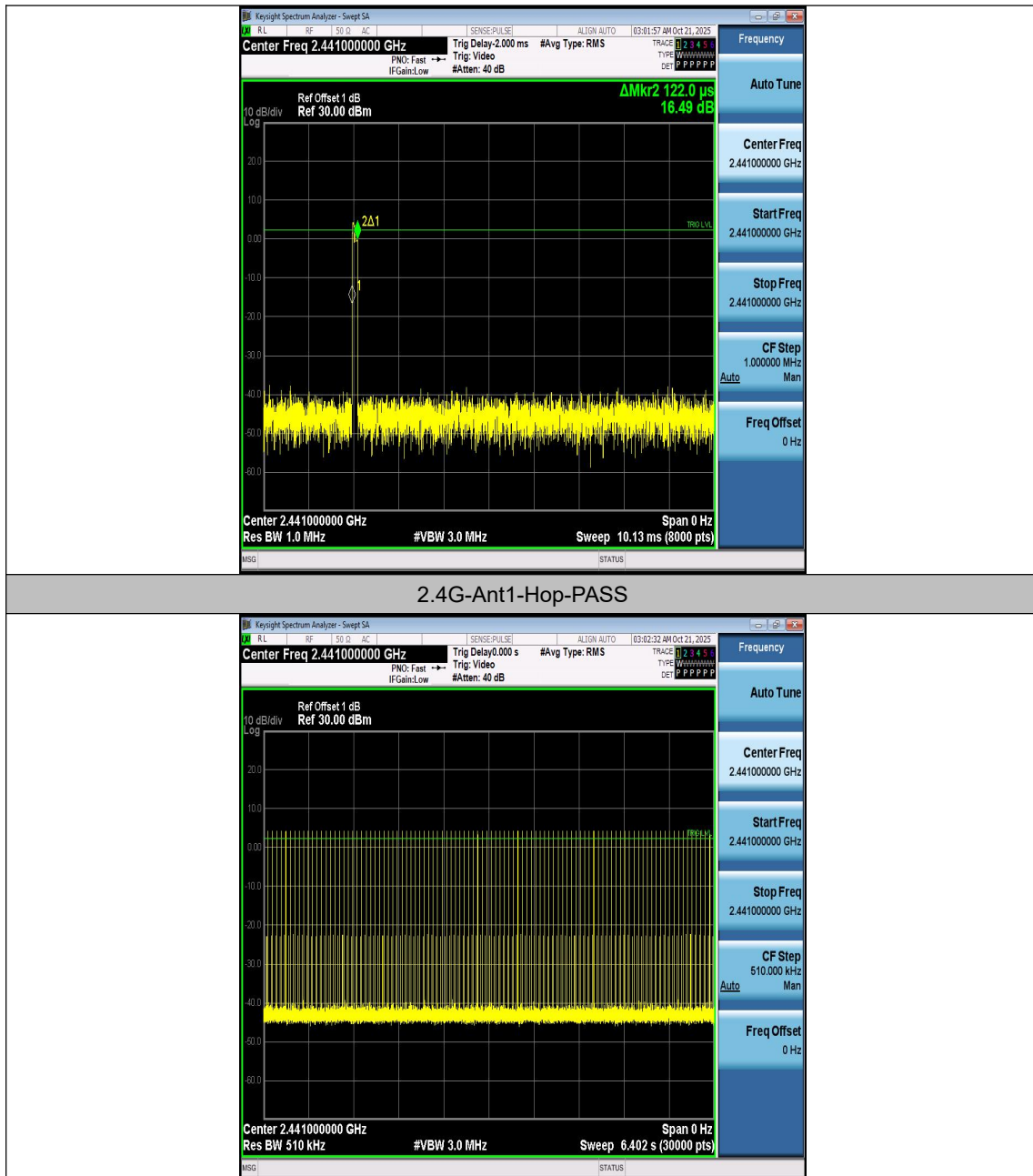
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	0.122	101	0.012	≤0.4	PASS

Test Graphs



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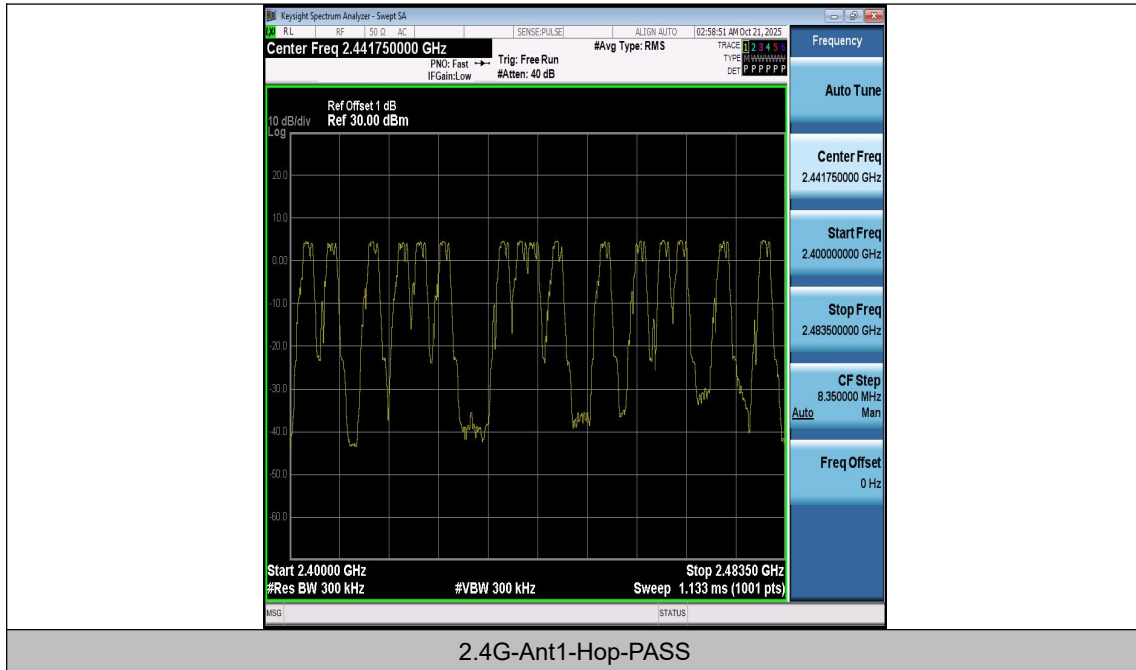
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Appendix F: Number of Hopping Channel

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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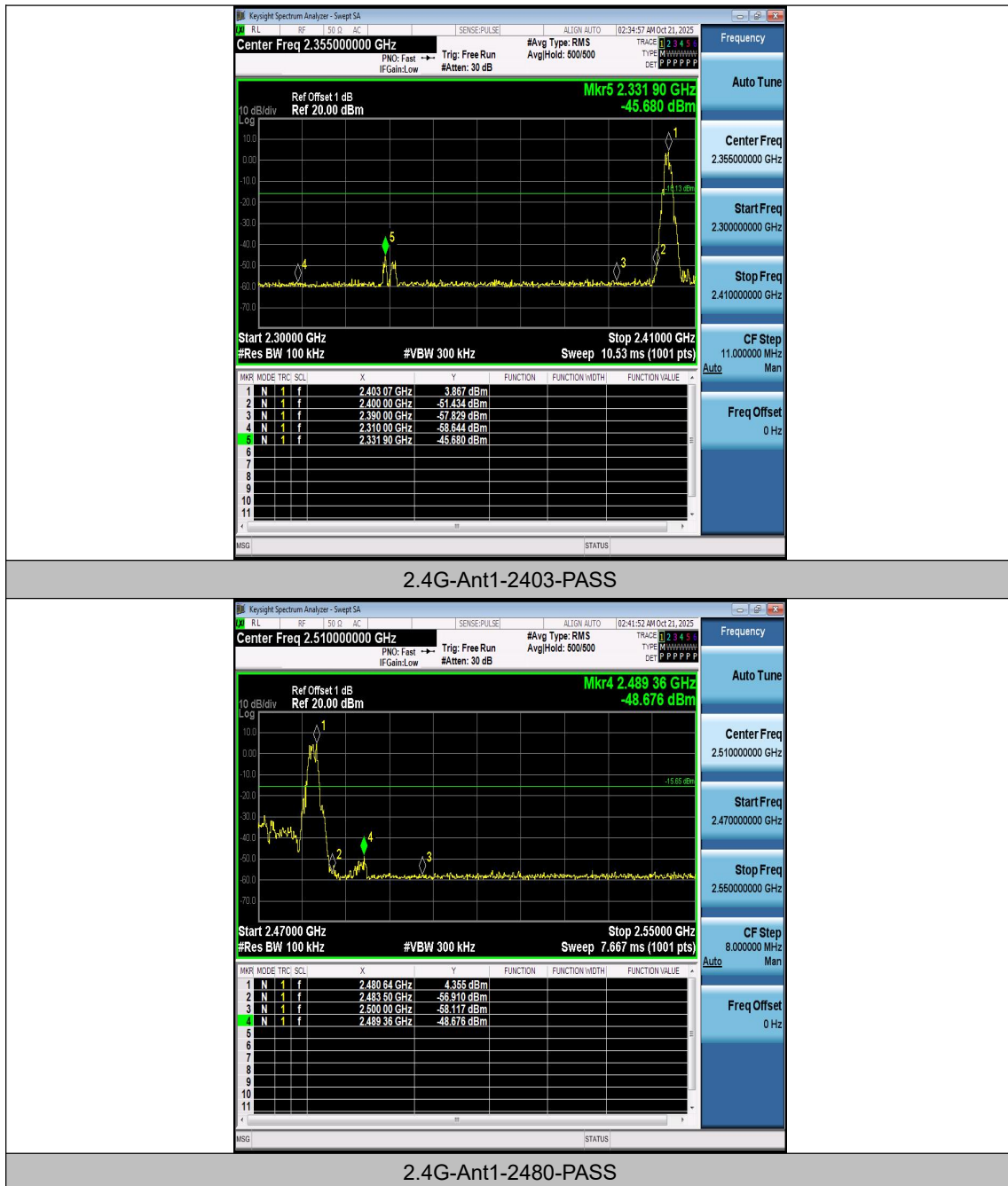
Appendix G: Conducted Band edge

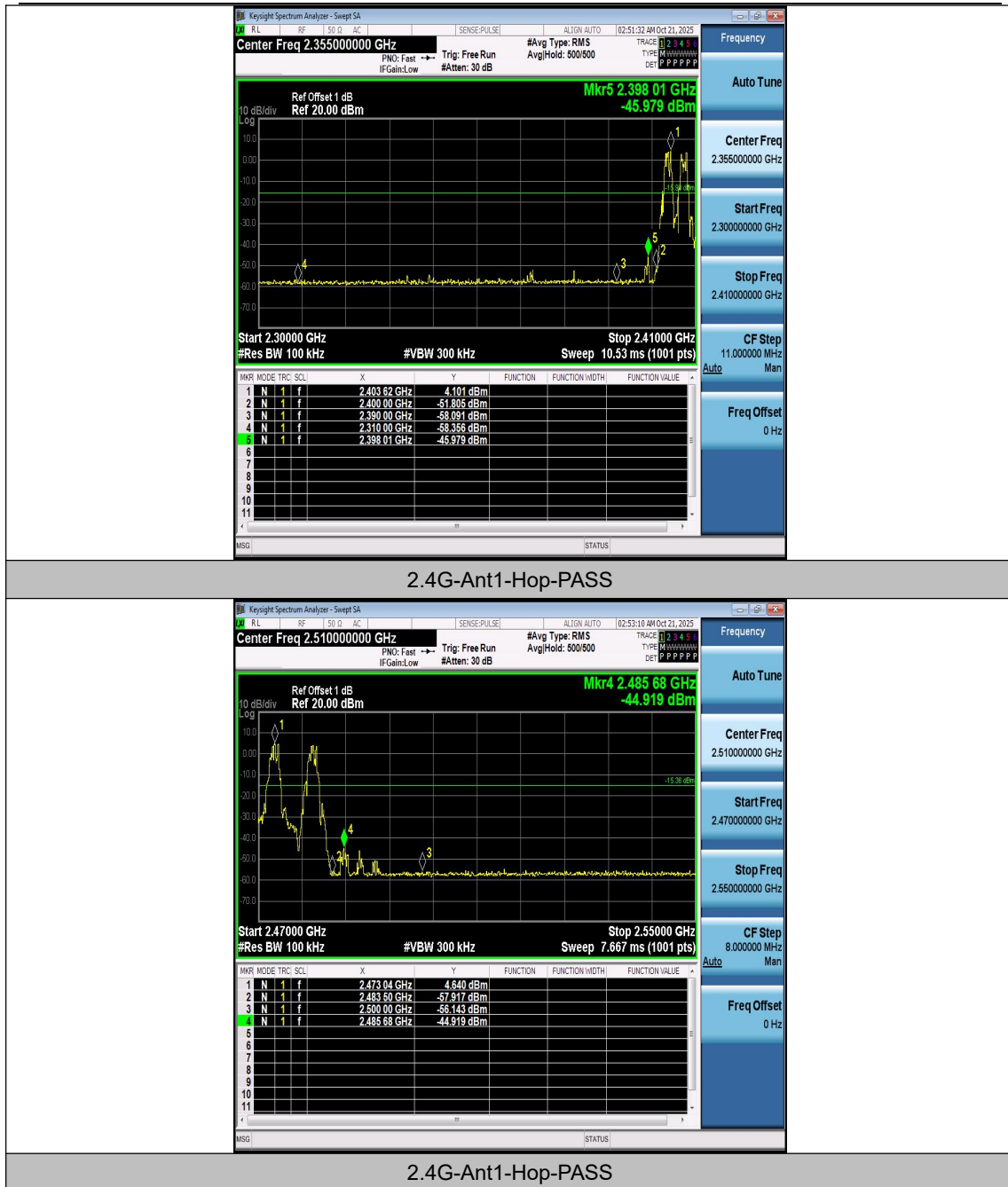
Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	3.87	-45.68	≤-16.13	PASS
2.4G	Ant1	High	2480	4.36	-48.68	≤-15.65	PASS
2.4G	Ant1	Low	Hop	4.10	-45.98	≤-15.9	PASS
2.4G	Ant1	High	Hop	4.64	-44.92	≤-15.36	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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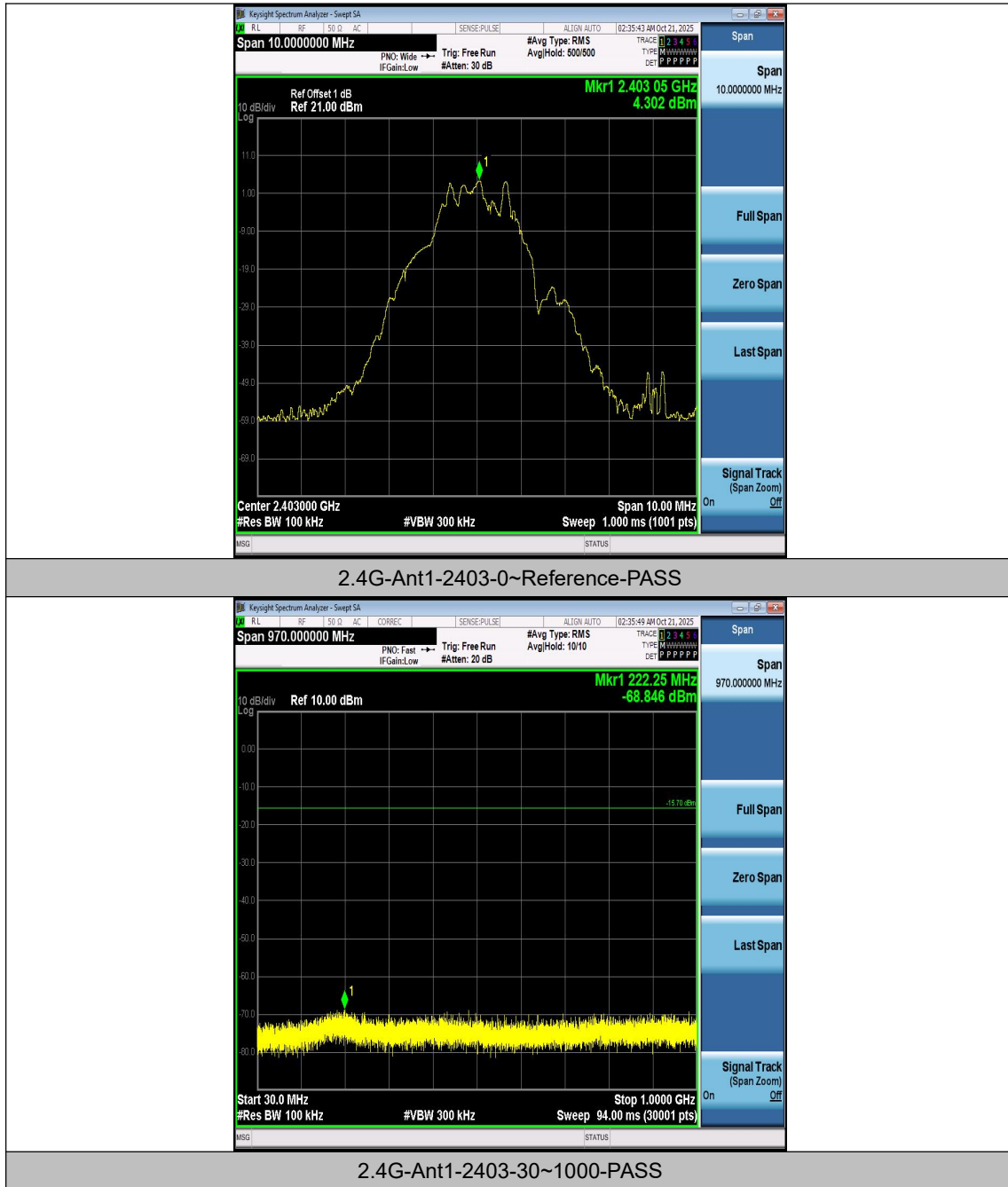
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	0~Reference	4.30	4.30	---	PASS
2.4G	Ant1	2403	30~1000	4.30	-68.85	≤-15.7	PASS
2.4G	Ant1	2403	1000~26500	4.30	-51.23	≤-15.7	PASS
2.4G	Ant1	2441	0~Reference	4.38	4.38	---	PASS
2.4G	Ant1	2441	30~1000	4.38	-68.42	≤-15.62	PASS
2.4G	Ant1	2441	1000~26500	4.38	-53.48	≤-15.62	PASS
2.4G	Ant1	2480	0~Reference	4.63	4.63	---	PASS
2.4G	Ant1	2480	30~1000	4.63	-66.94	≤-15.37	PASS
2.4G	Ant1	2480	1000~26500	4.63	-43.8	≤-15.37	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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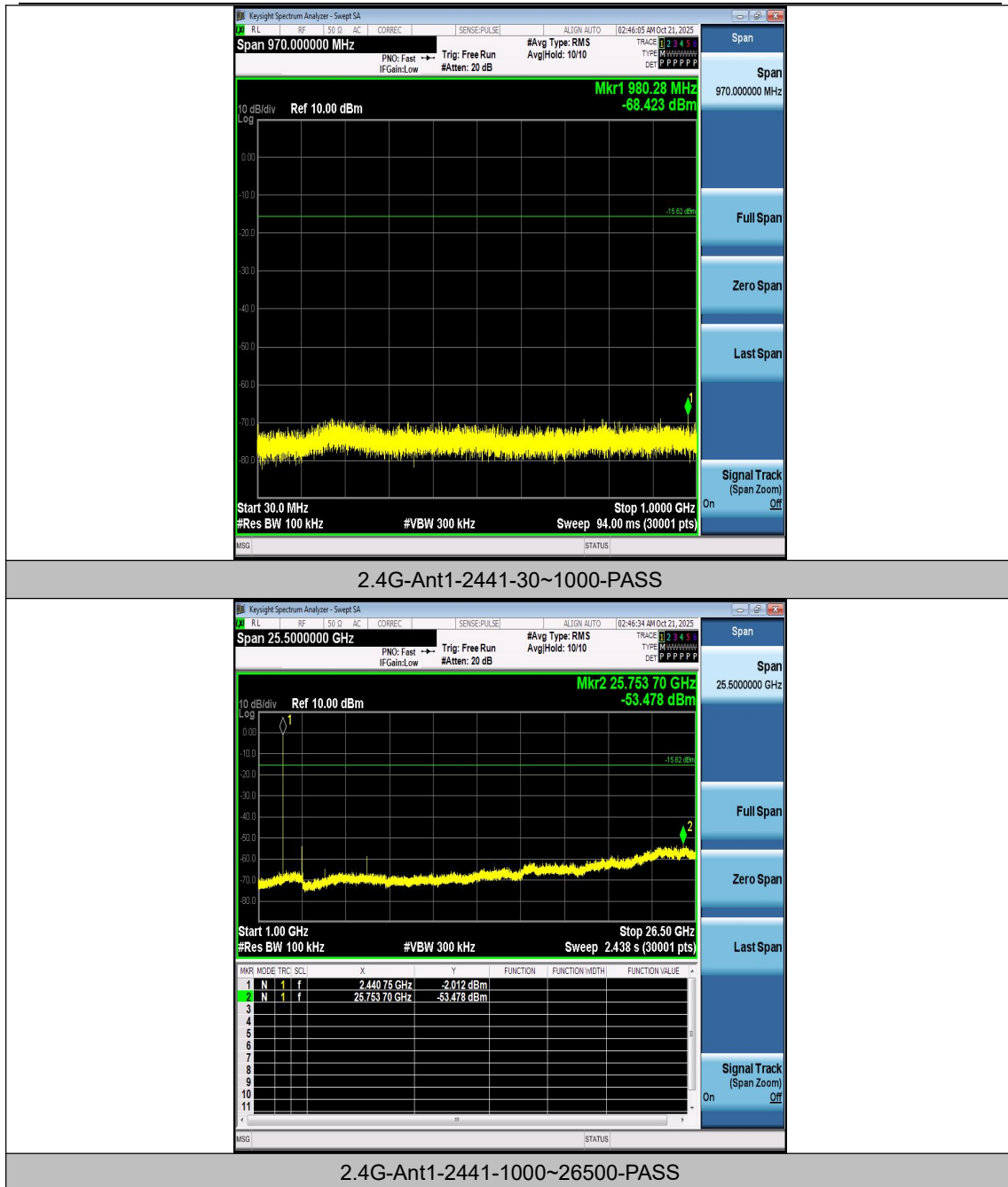
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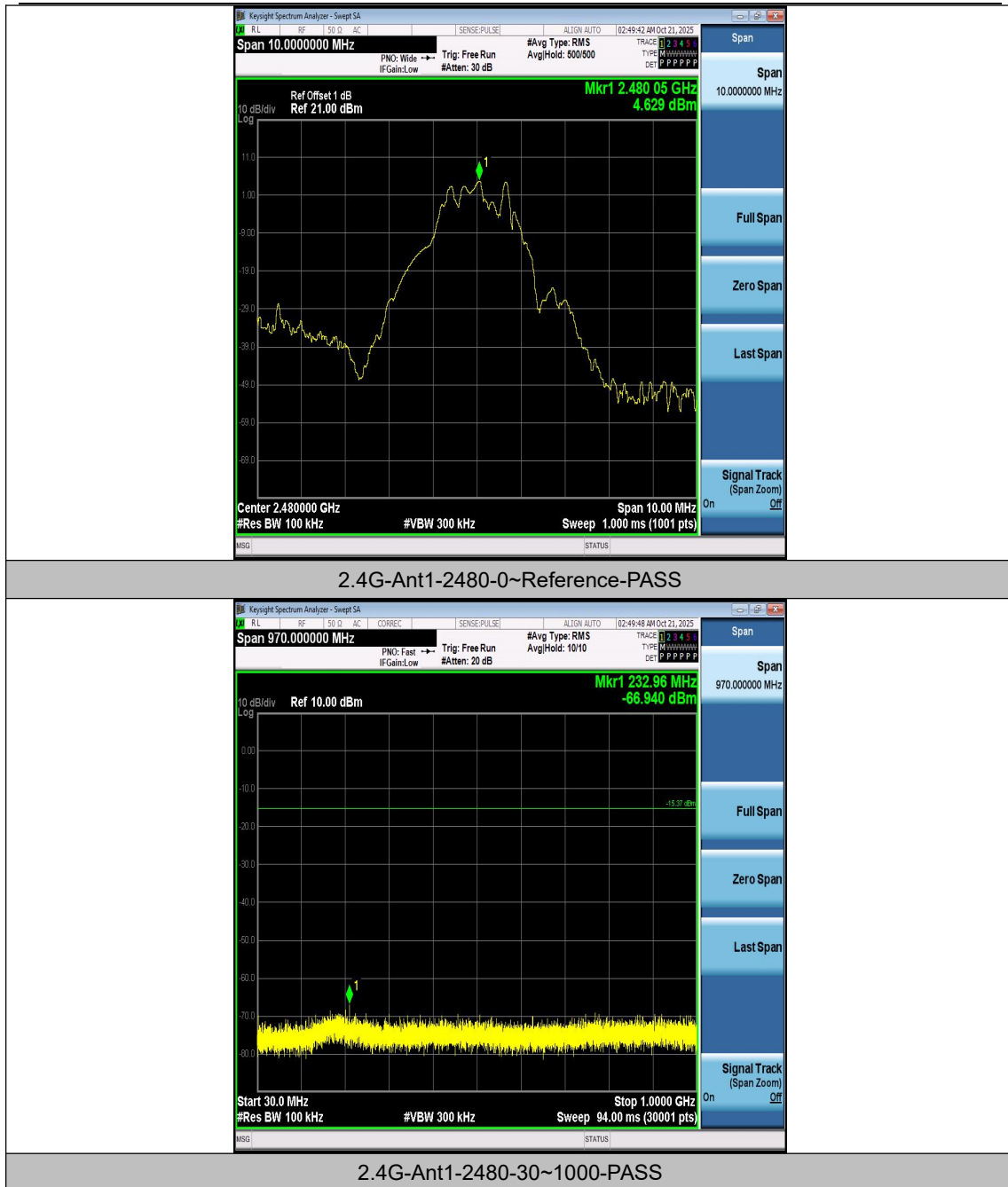
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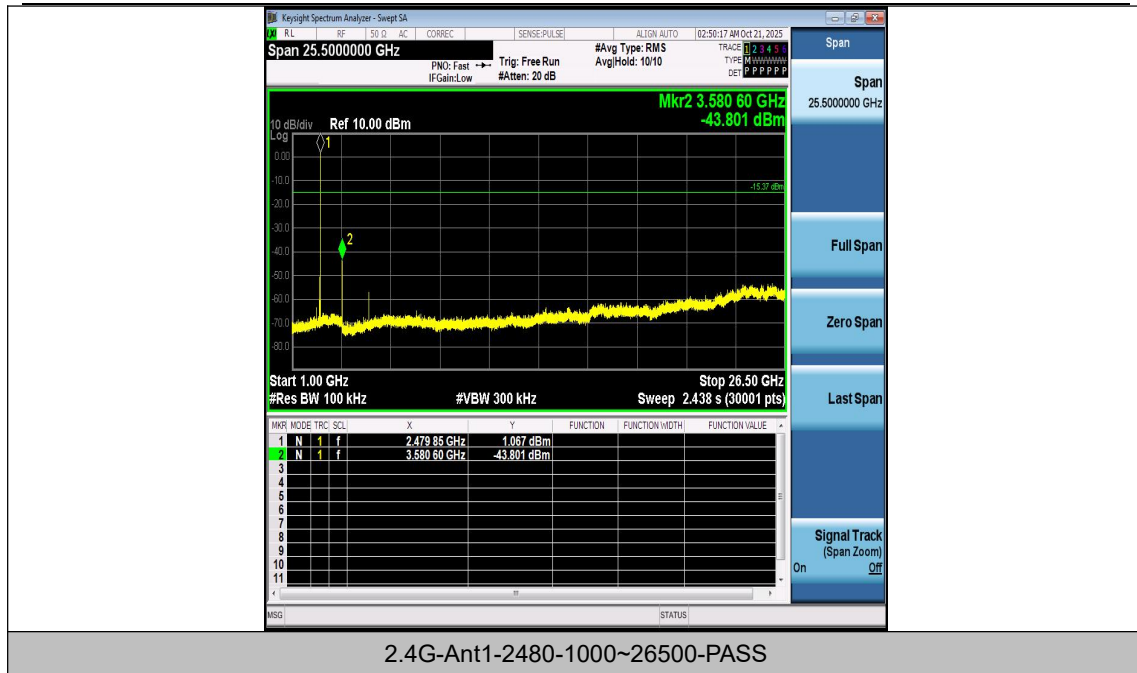
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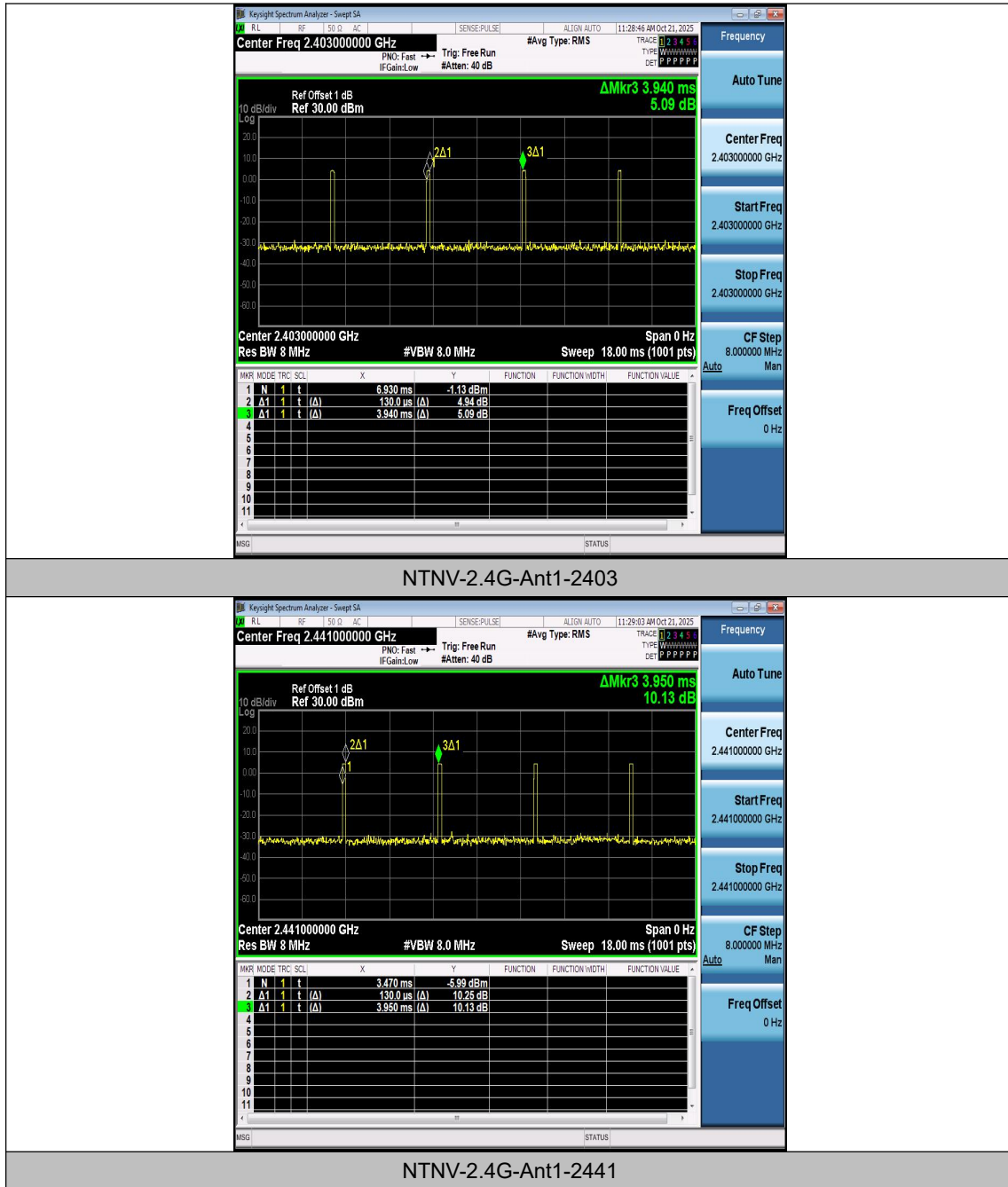
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Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2403	0.13	3.94	3.30	14.81
2.4G	Ant1	2441	0.13	3.95	3.29	14.83
2.4G	Ant1	2480	0.13	4.09	3.18	14.98

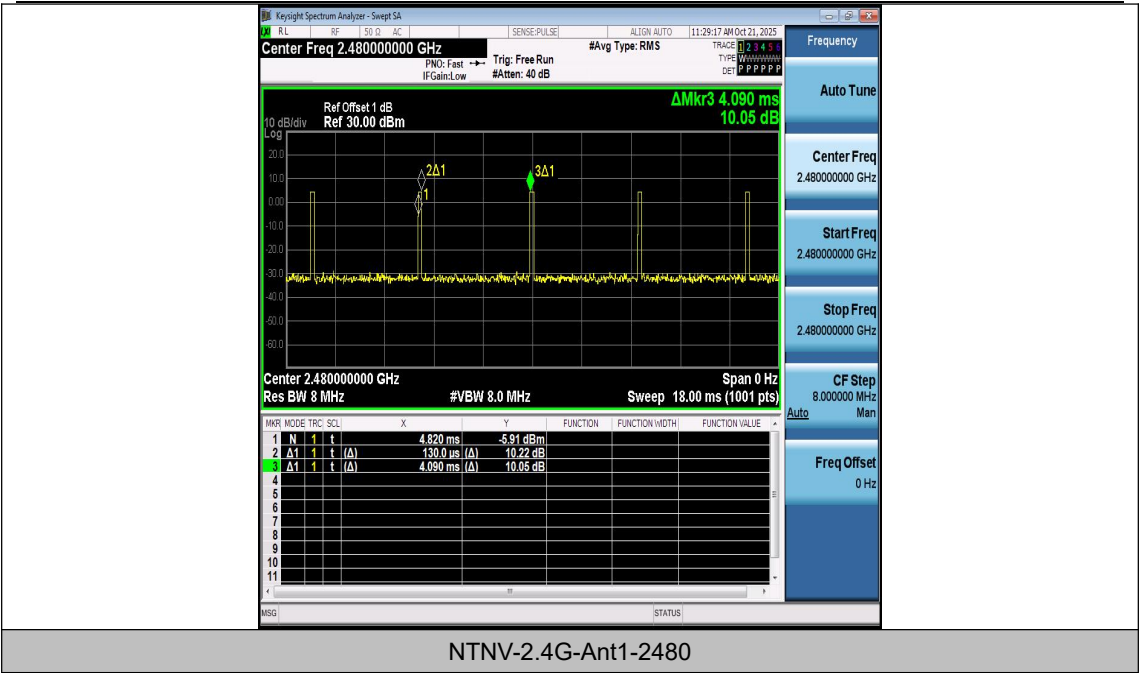
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