

Appendix Test Data

Report No.:	1812C50530912502-01	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		

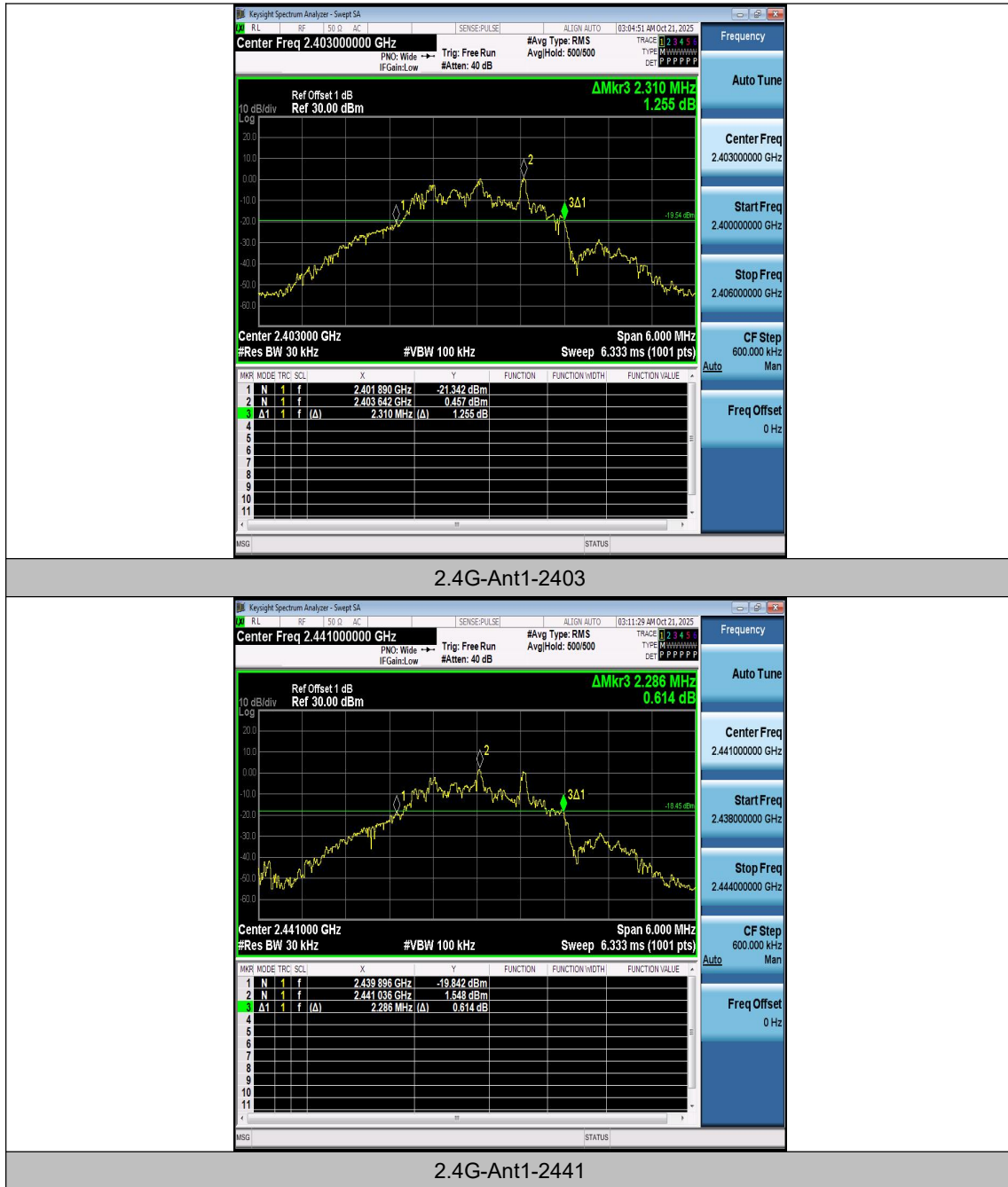


Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.310	2401.890	2404.200	---	---
2.4G	Ant1	2441	2.286	2439.896	2442.182	---	---
2.4G	Ant1	2480	2.172	2478.998	2481.170	---	---

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	2403	2.2218	2401.8787	2404.1005	---	---
2.4G	Ant1	2441	2.2186	2439.8707	2442.0893	---	---
2.4G	Ant1	2480	2.2085	2478.9019	2481.1104	---	---

Test Graphs



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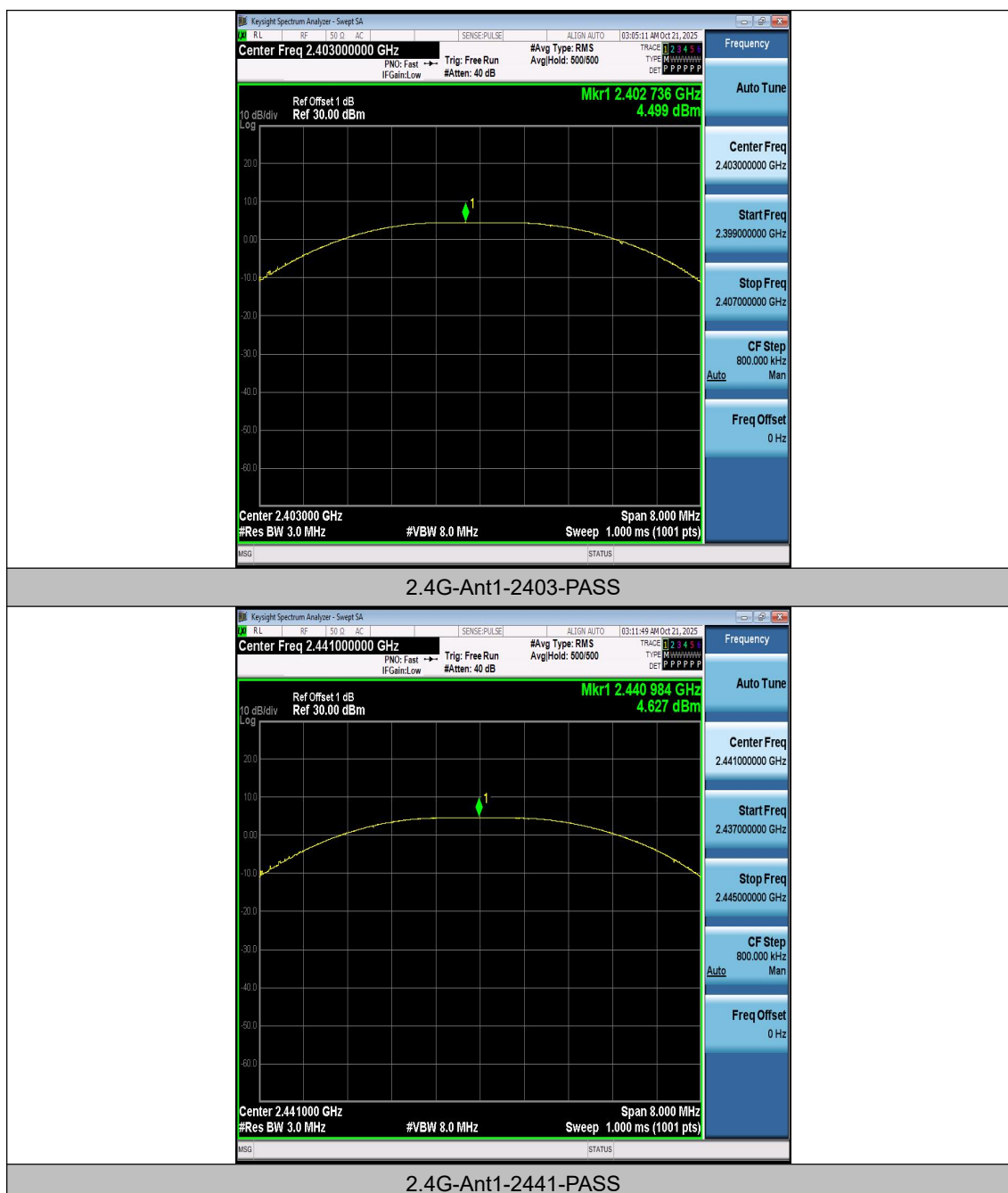
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Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	4.50	≤20.97	PASS
2.4G	Ant1	2441	4.63	≤20.97	PASS
2.4G	Ant1	2480	4.74	≤20.97	PASS

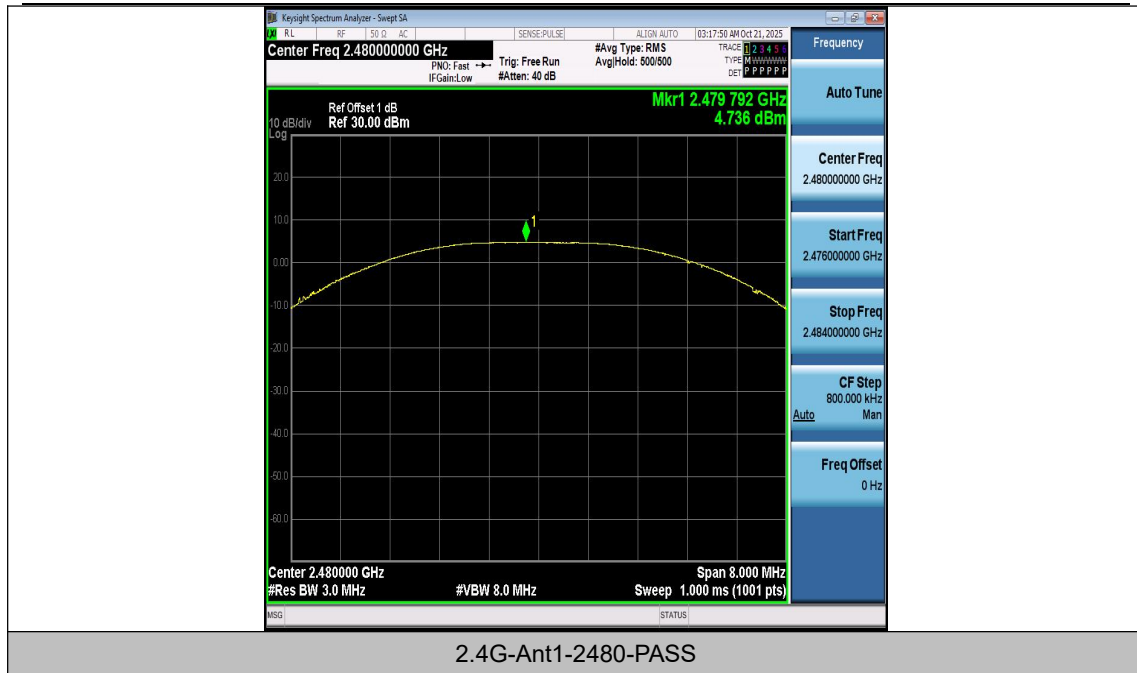
Test Graphs



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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	2.016	>1.54	PASS

Note: Only record the worst data in the report.

Test Graphs



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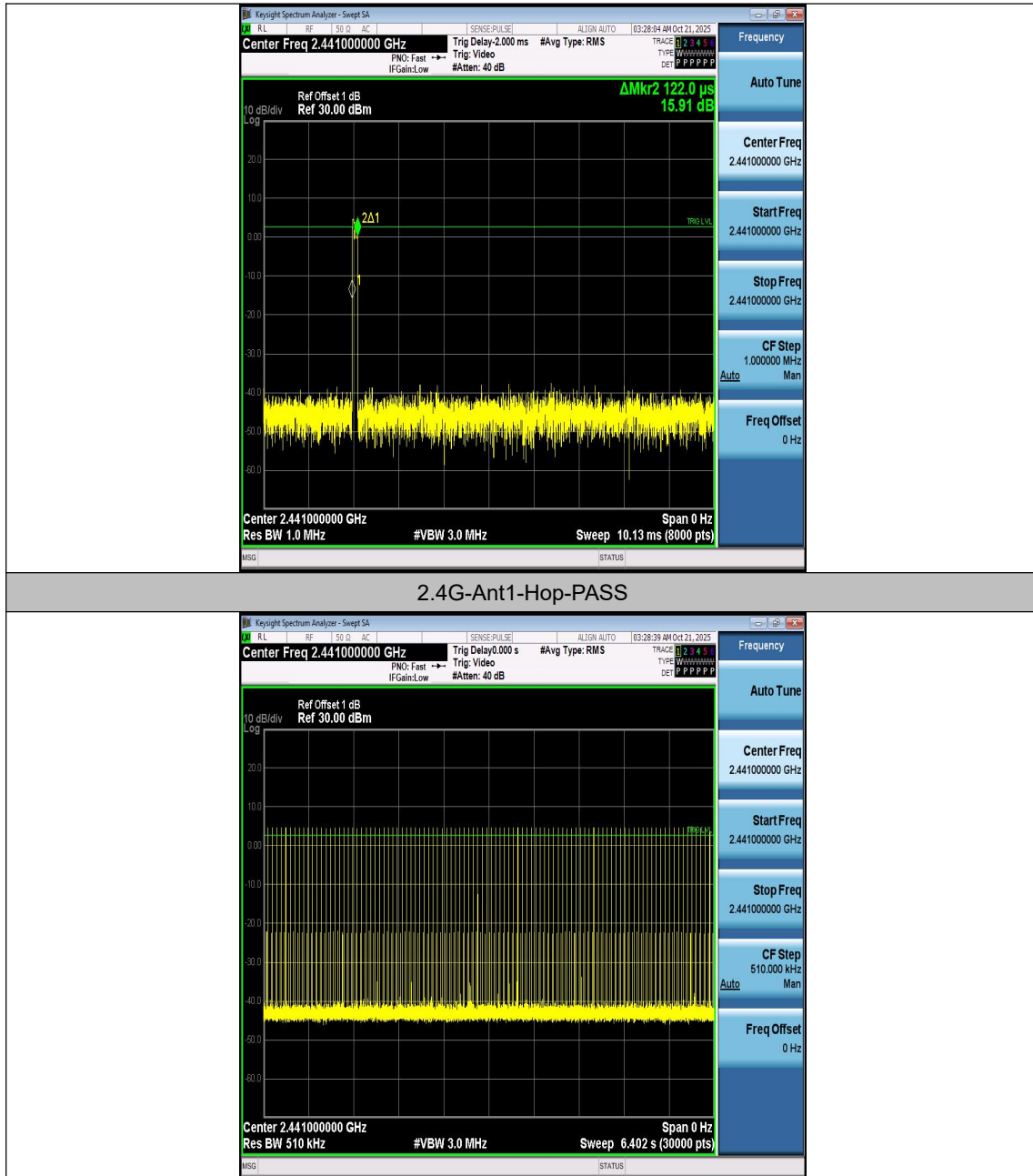
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Appendix E: Dwell Time

Test Result

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

Test Graphs



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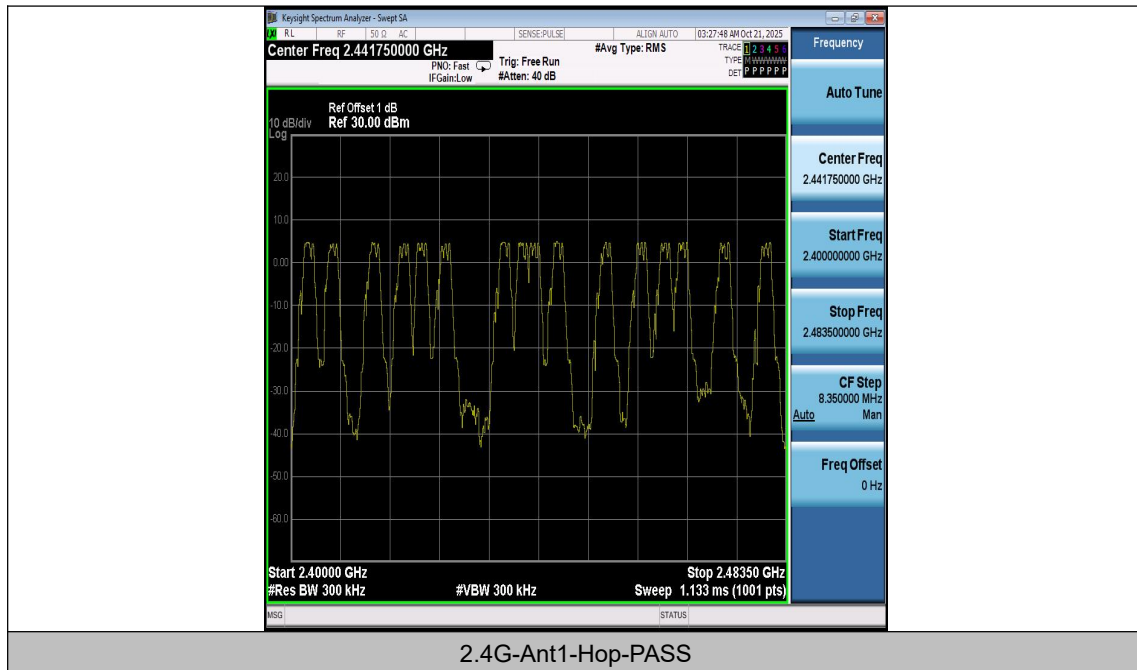
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Appendix F: Number of Hopping Channel

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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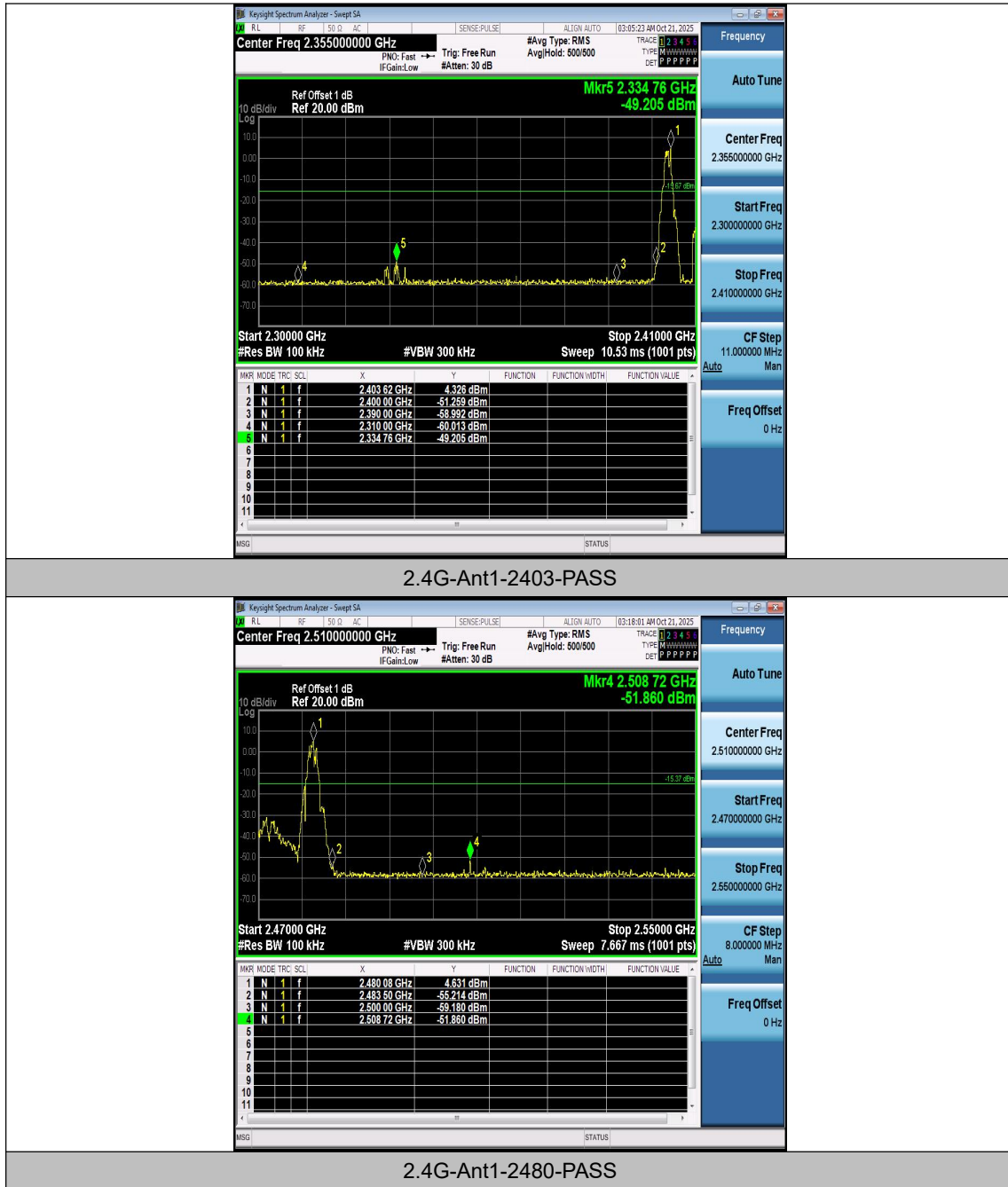
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	4.33	-49.21	≤-15.67	PASS
2.4G	Ant1	High	2480	4.63	-51.86	≤-15.37	PASS
2.4G	Ant1	Low	Hop	4.25	-49.28	≤-15.75	PASS
2.4G	Ant1	High	Hop	4.92	-47.96	≤-15.08	PASS

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

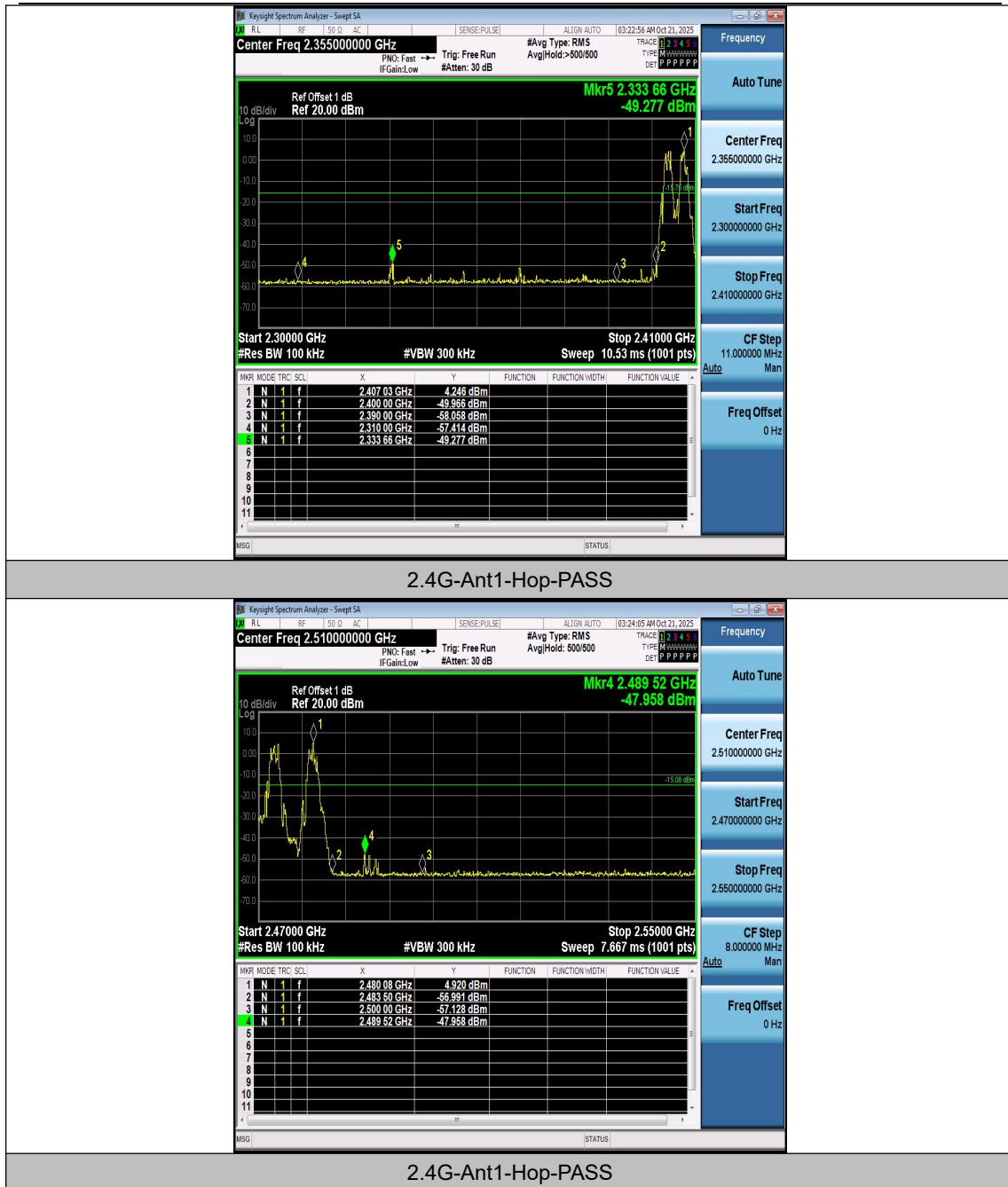
Test Graphs



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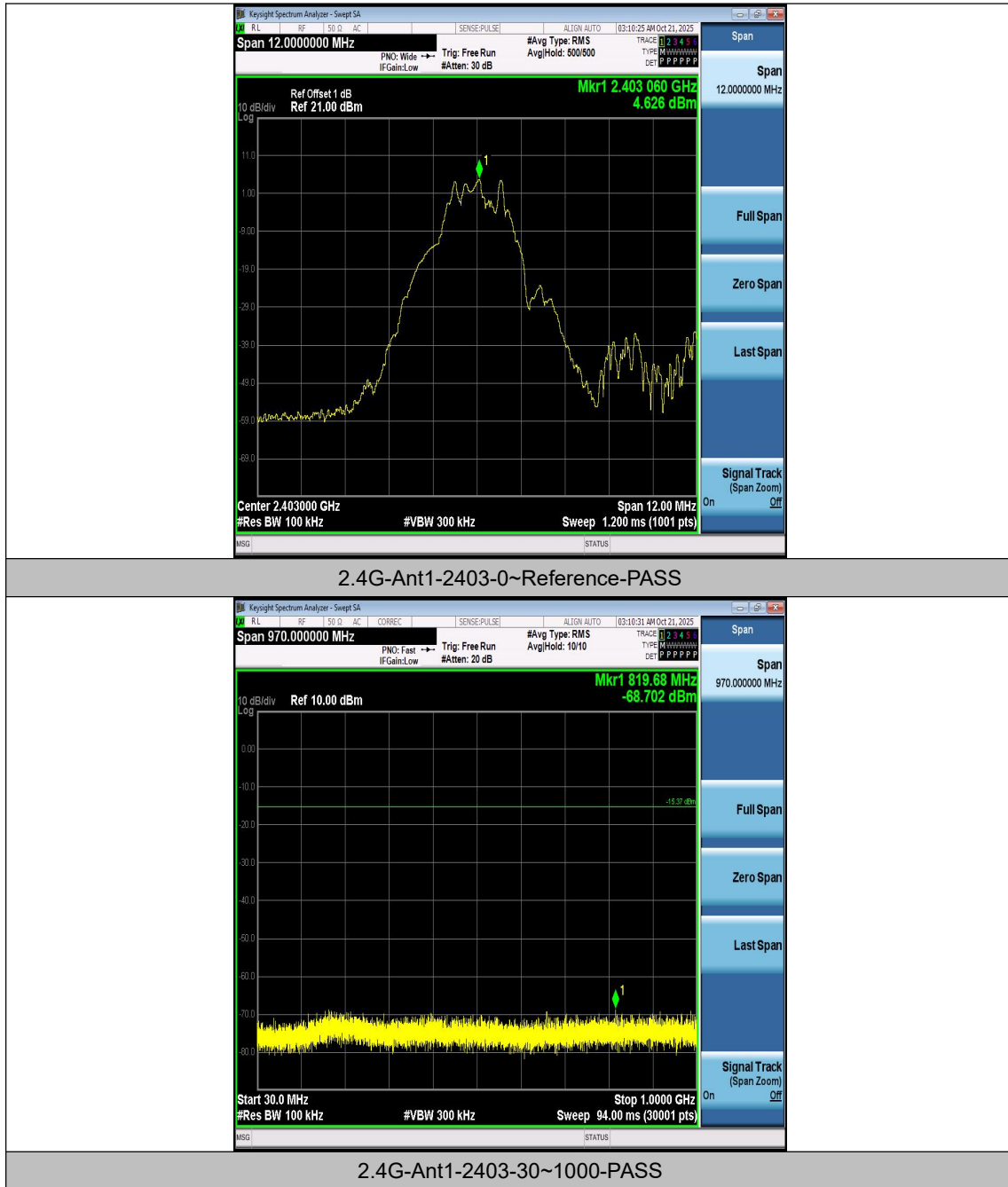
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	0~Reference	4.63	4.63	---	PASS
2.4G	Ant1	2403	30~1000	4.63	-68.7	≤-15.37	PASS
2.4G	Ant1	2403	1000~26500	4.63	-53.64	≤-15.37	PASS
2.4G	Ant1	2441	0~Reference	4.67	4.67	---	PASS
2.4G	Ant1	2441	30~1000	4.67	-68.57	≤-15.33	PASS
2.4G	Ant1	2441	1000~26500	4.67	-53.57	≤-15.33	PASS
2.4G	Ant1	2480	0~Reference	4.76	4.76	---	PASS
2.4G	Ant1	2480	30~1000	4.76	-68.88	≤-15.24	PASS
2.4G	Ant1	2480	1000~26500	4.76	-40.8	≤-15.24	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose and attenuator factors have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

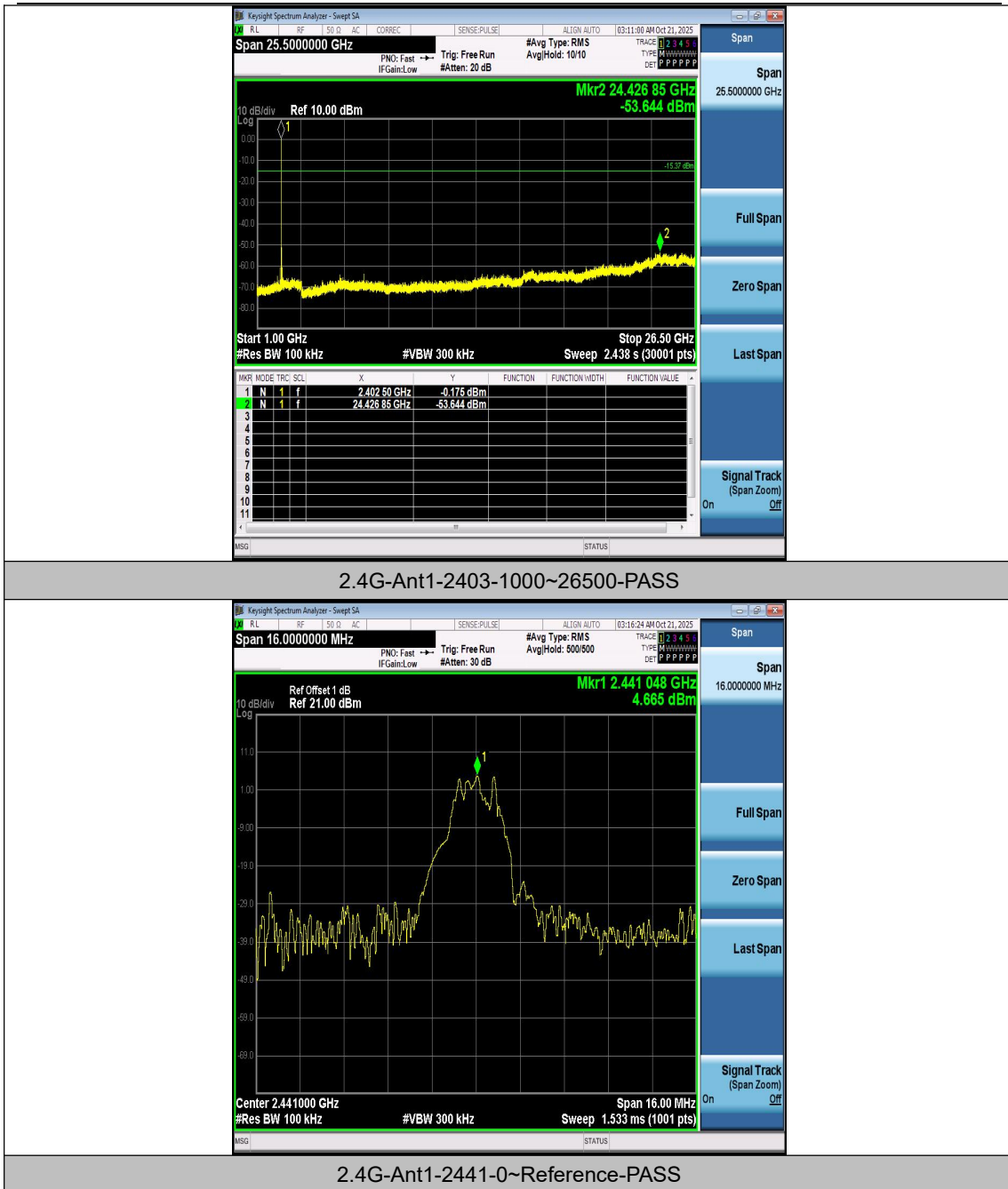
Test Graphs



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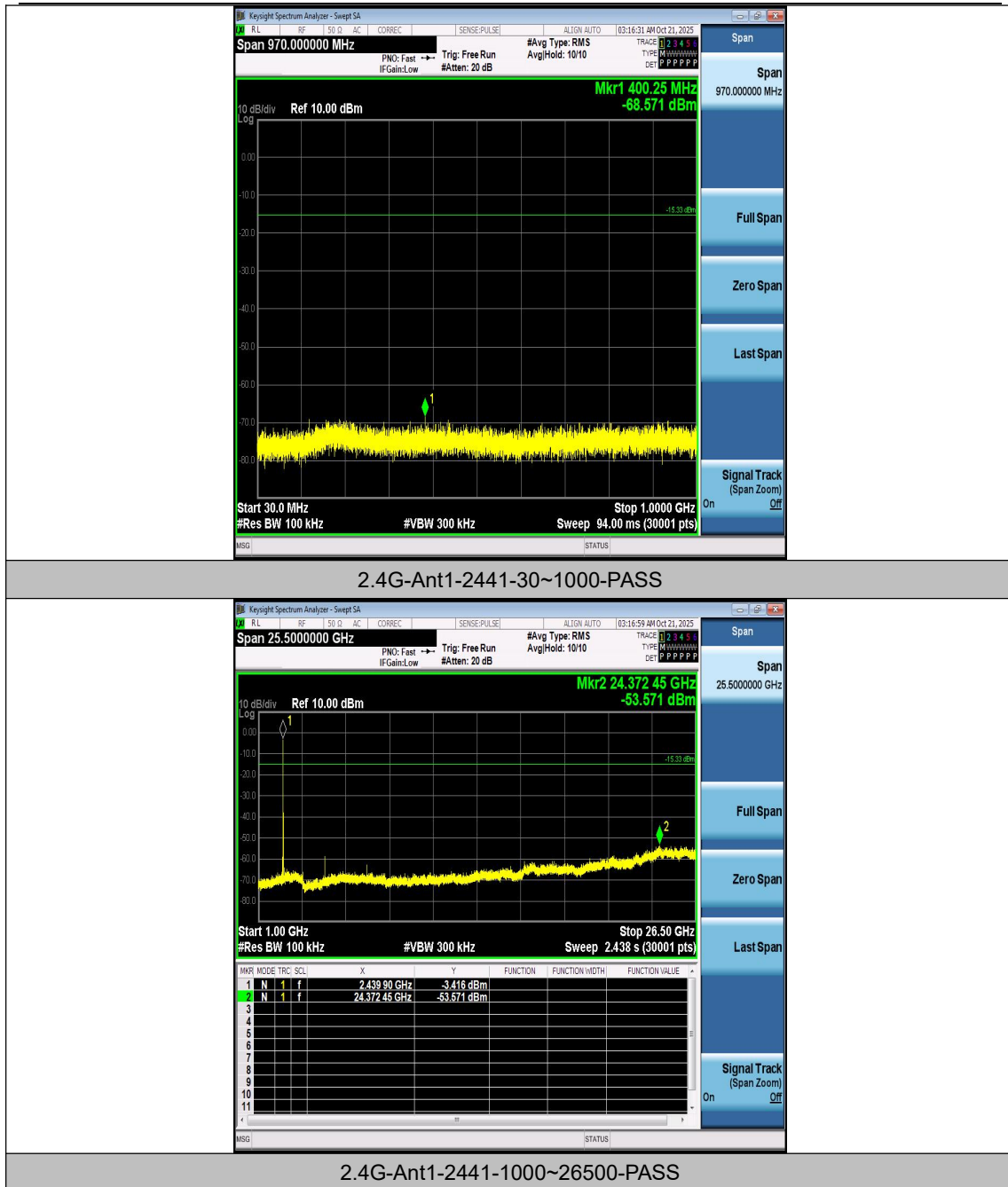
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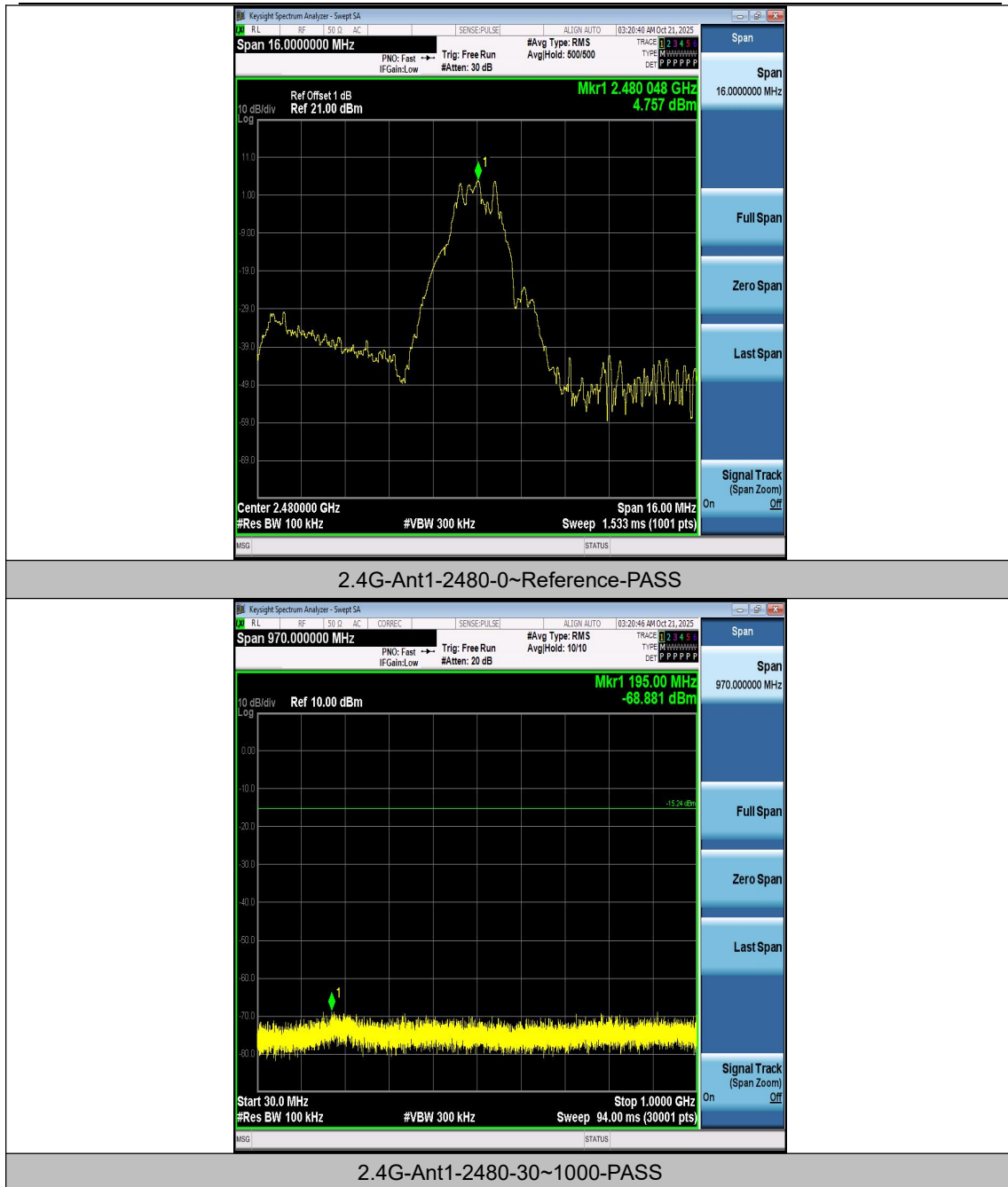
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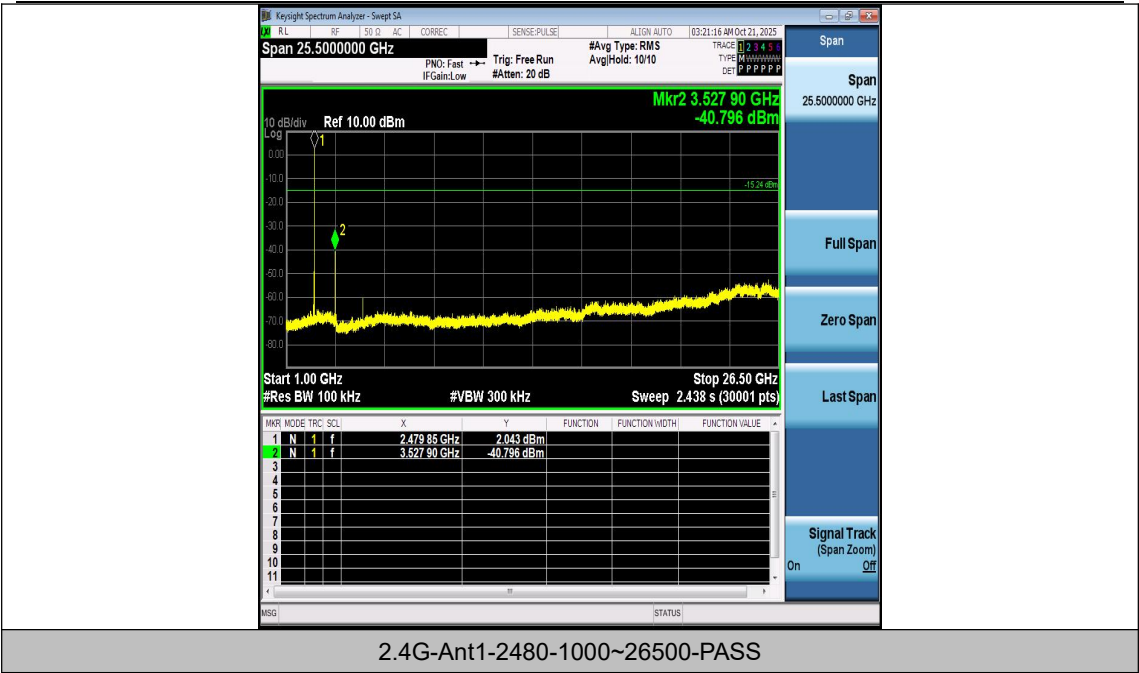
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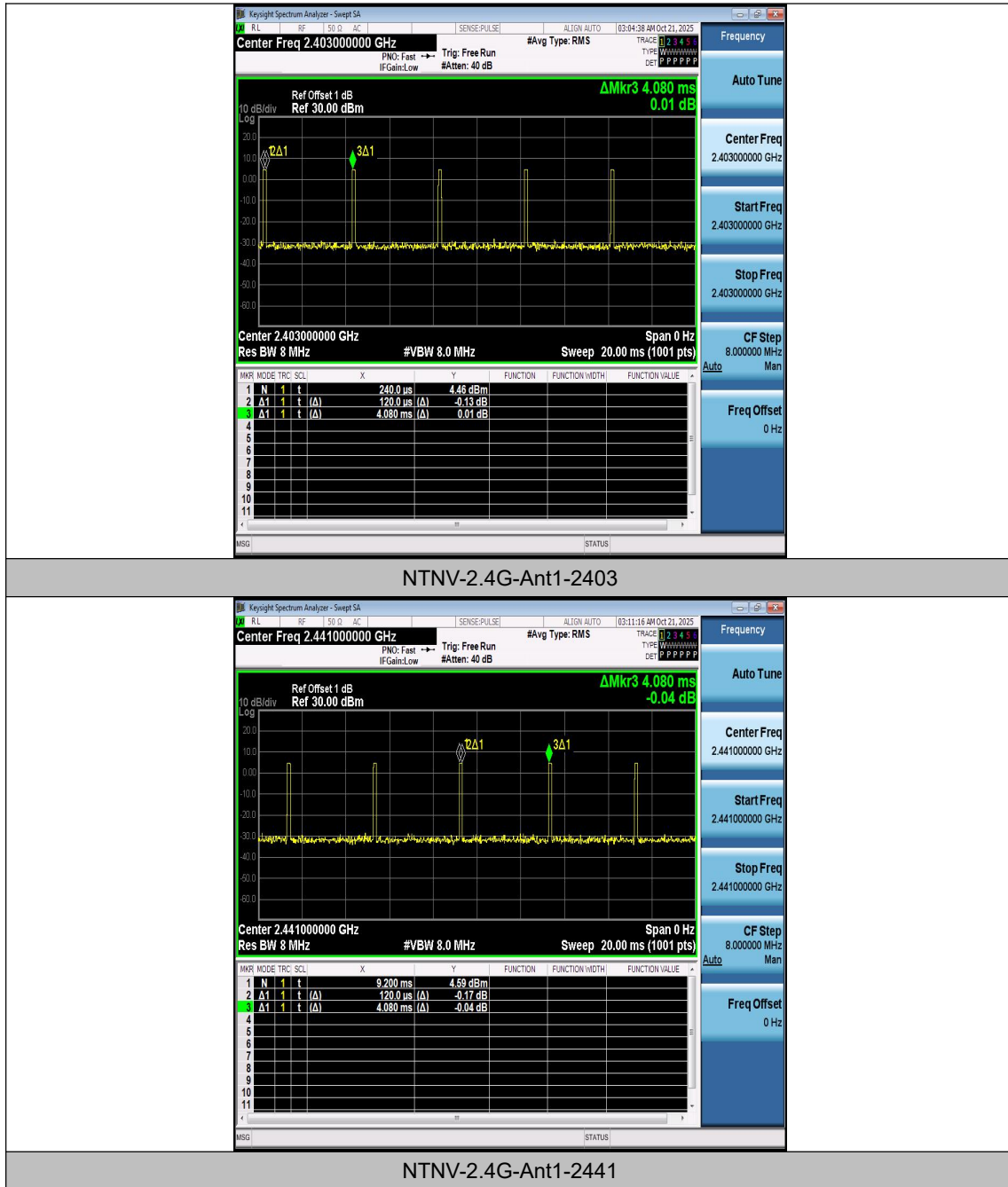
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Appendix I: Duty Cycle

Test Result

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

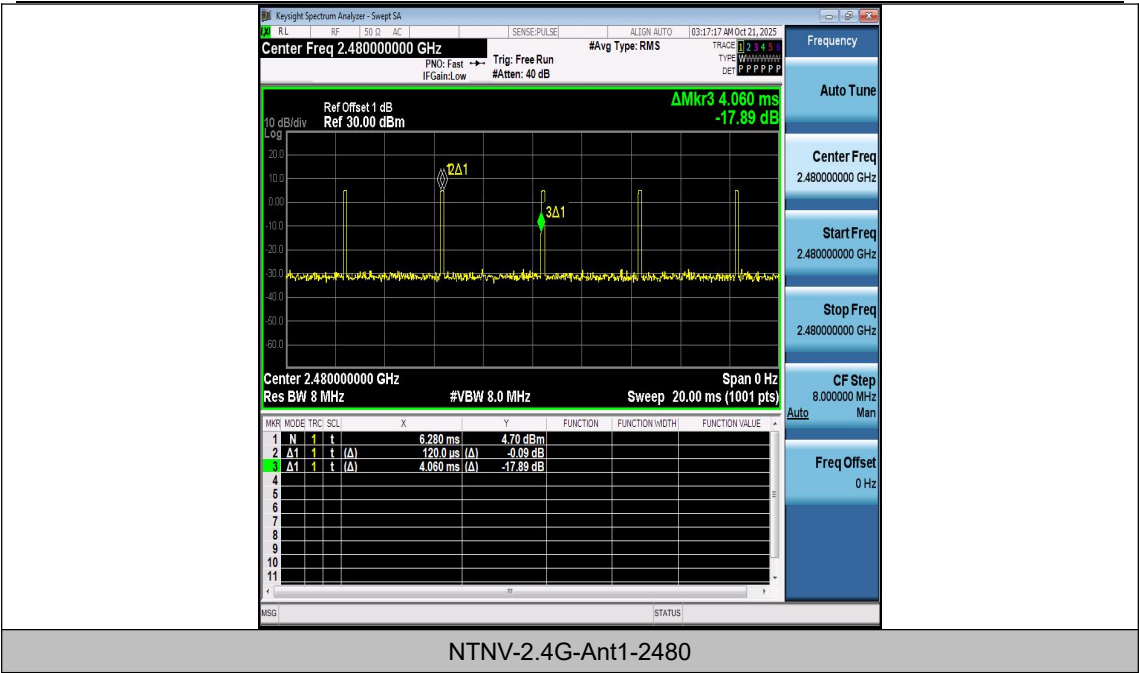
Test Graphs



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