

Appendix Test Data

Report No.:	1812C50581112502-01	Test Sample No.:	1-2-2
Start Test Date:	2025-11-17	Finish Test Date:	2025-11-17
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	24.7°C	Relative Humidity:	50%
Pressure:	101kPa		

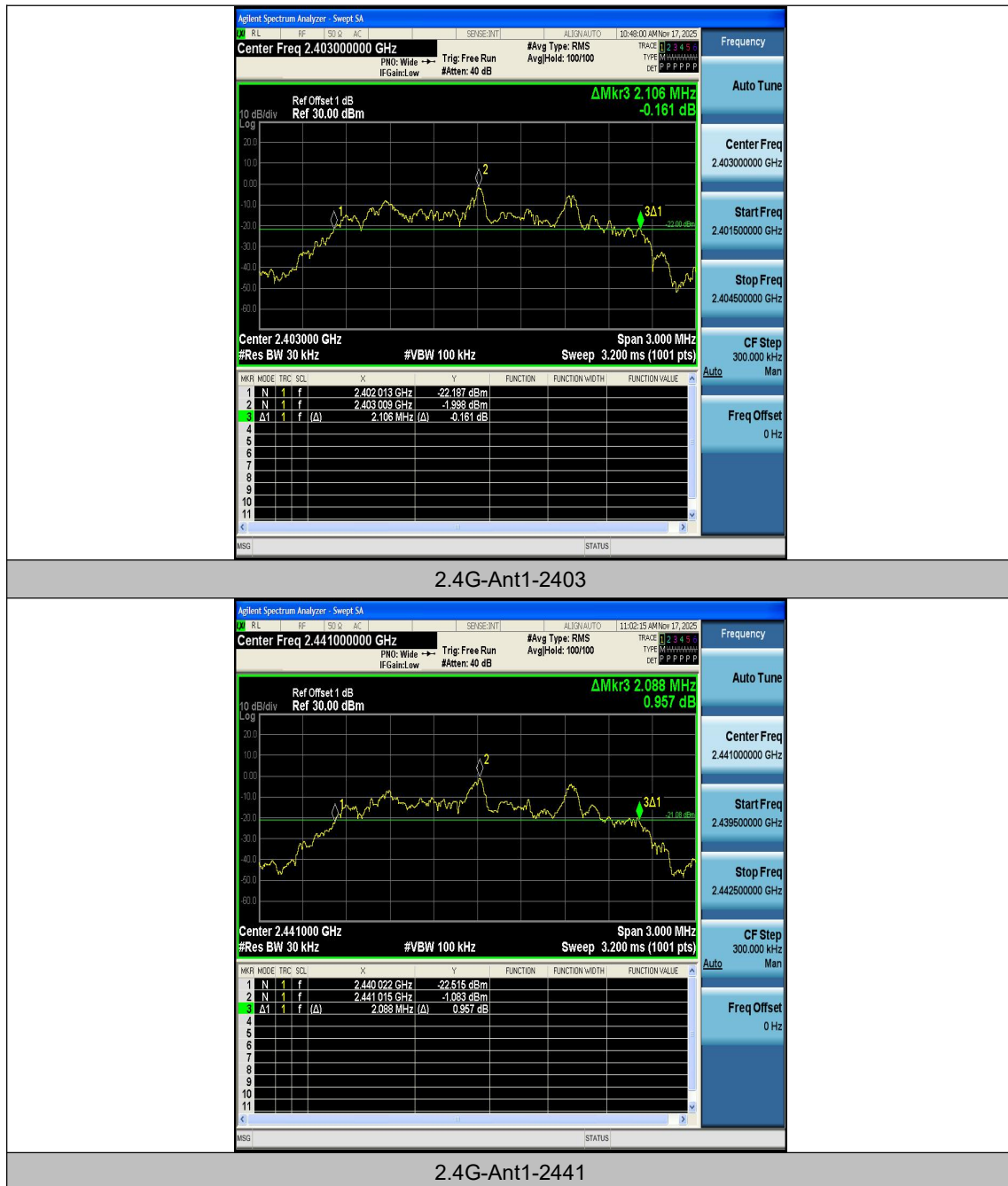


Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.106	2402.013	2404.119	---	---
2.4G	Ant1	2441	2.088	2440.022	2442.110	---	---
2.4G	Ant1	2480	2.112	2479.010	2481.122	---	---

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	2.0295	2402.0379	2404.0674	---	---
2.4G	Ant1	2441	2.0079	2440.0411	2442.0490	---	---
2.4G	Ant1	2480	2.0262	2479.0366	2481.0628	---	---

Test Graphs



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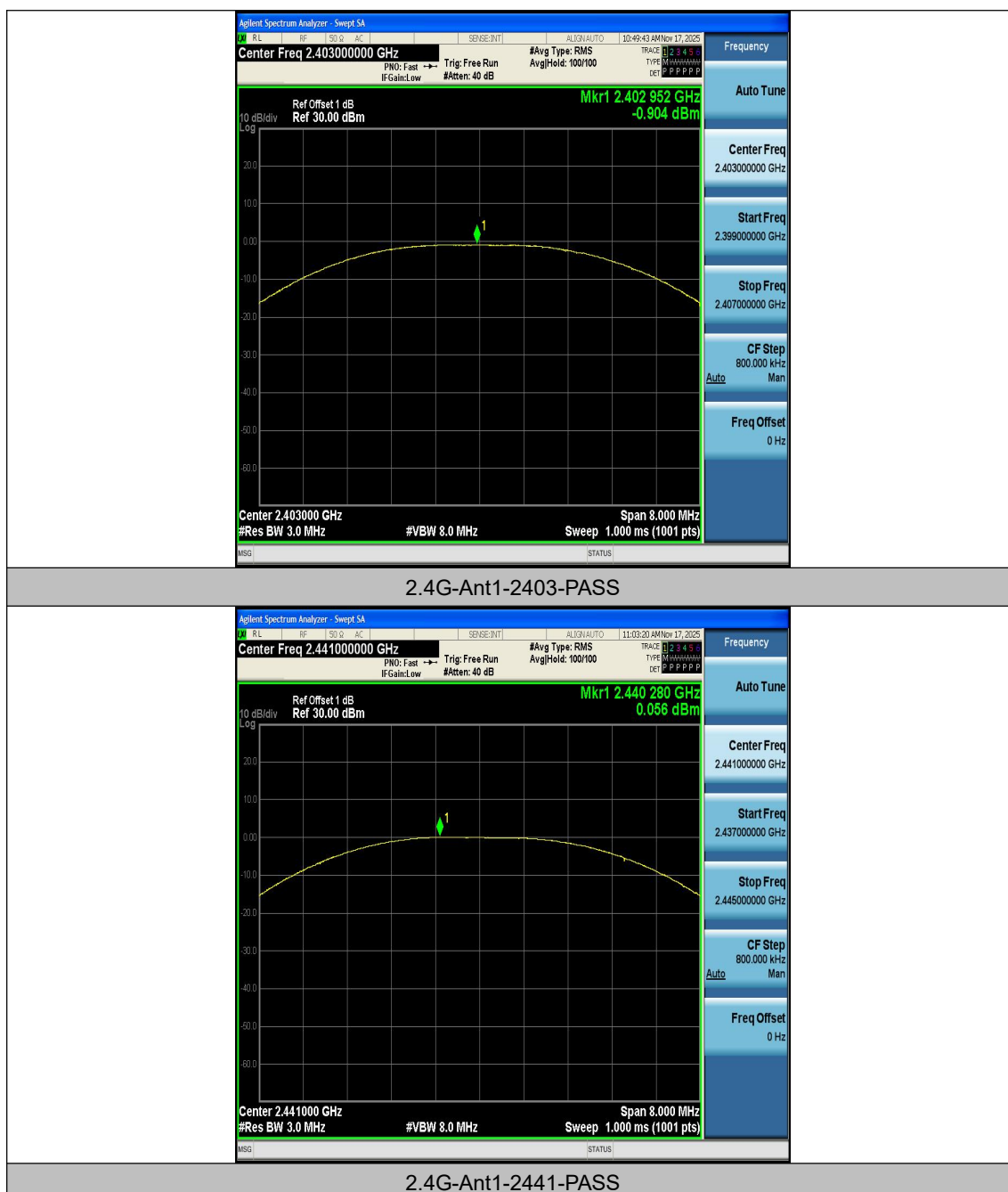
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Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	-0.90	≤20.97	PASS
2.4G	Ant1	2441	0.06	≤20.97	PASS
2.4G	Ant1	2480	1.73	≤20.97	PASS

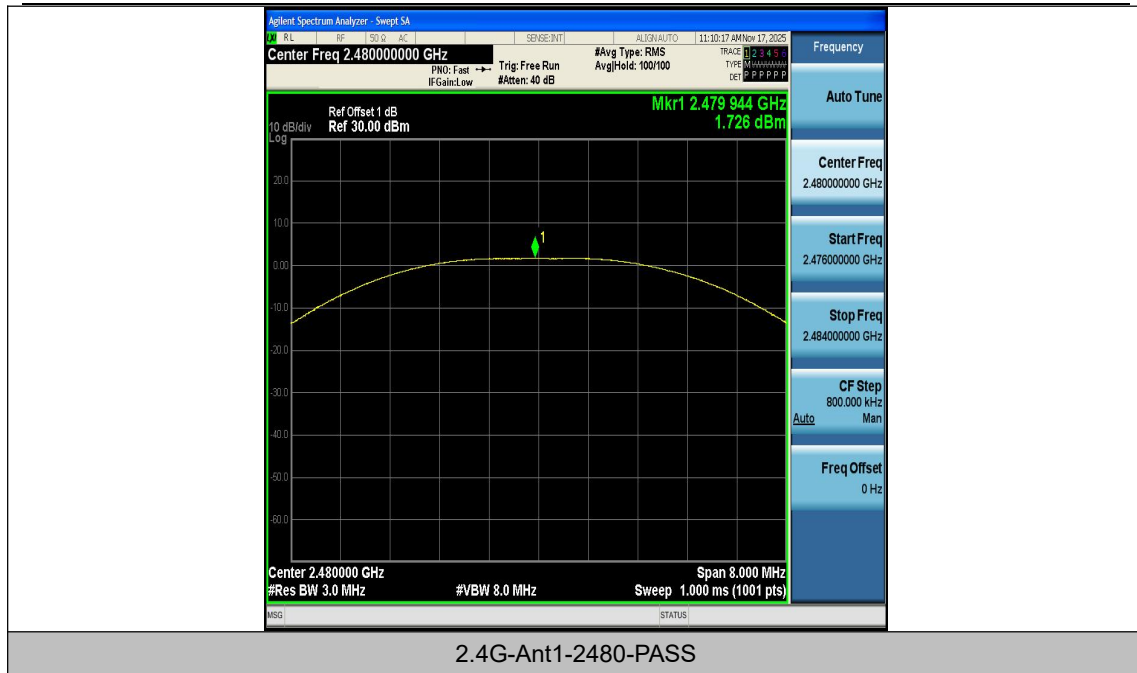
Test Graphs



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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	1.97	≥1.408	PASS

Test Graphs



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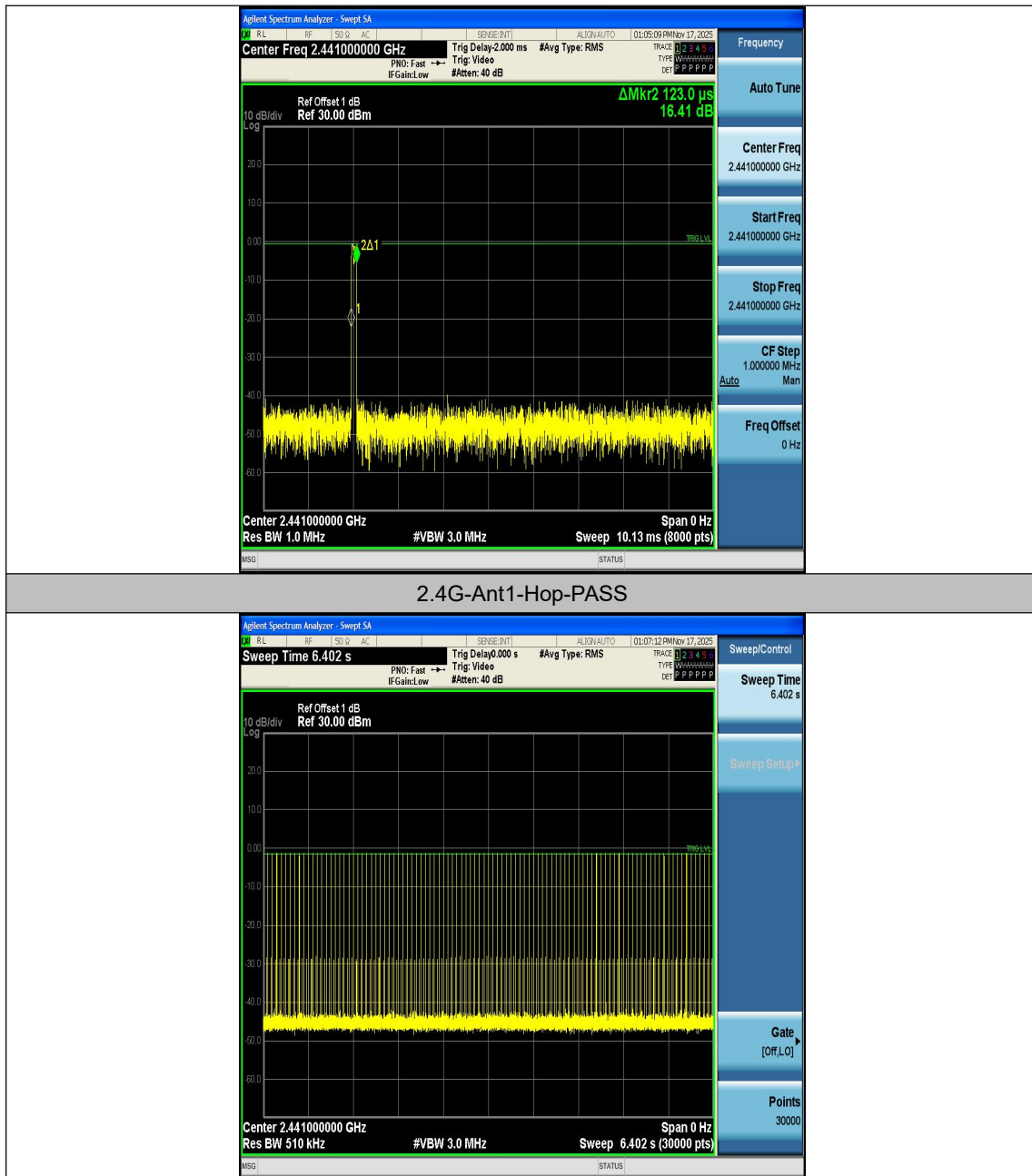
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	0.123	100	0.012	≤0.4	PASS

Test Graphs



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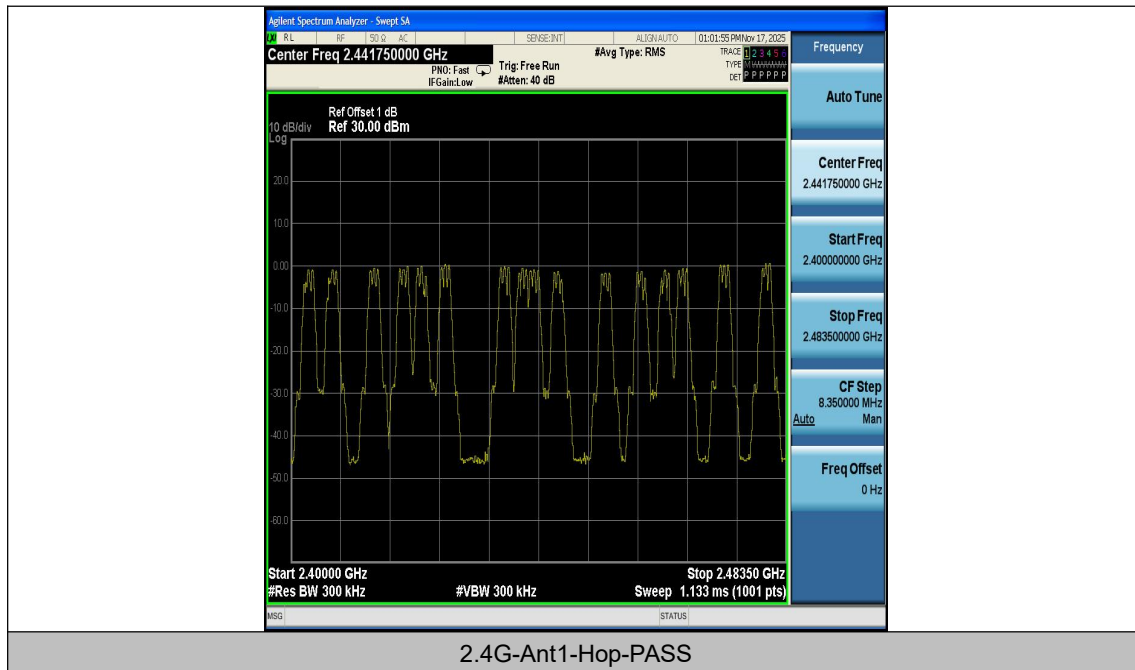
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Appendix F: Number of Hopping Channel

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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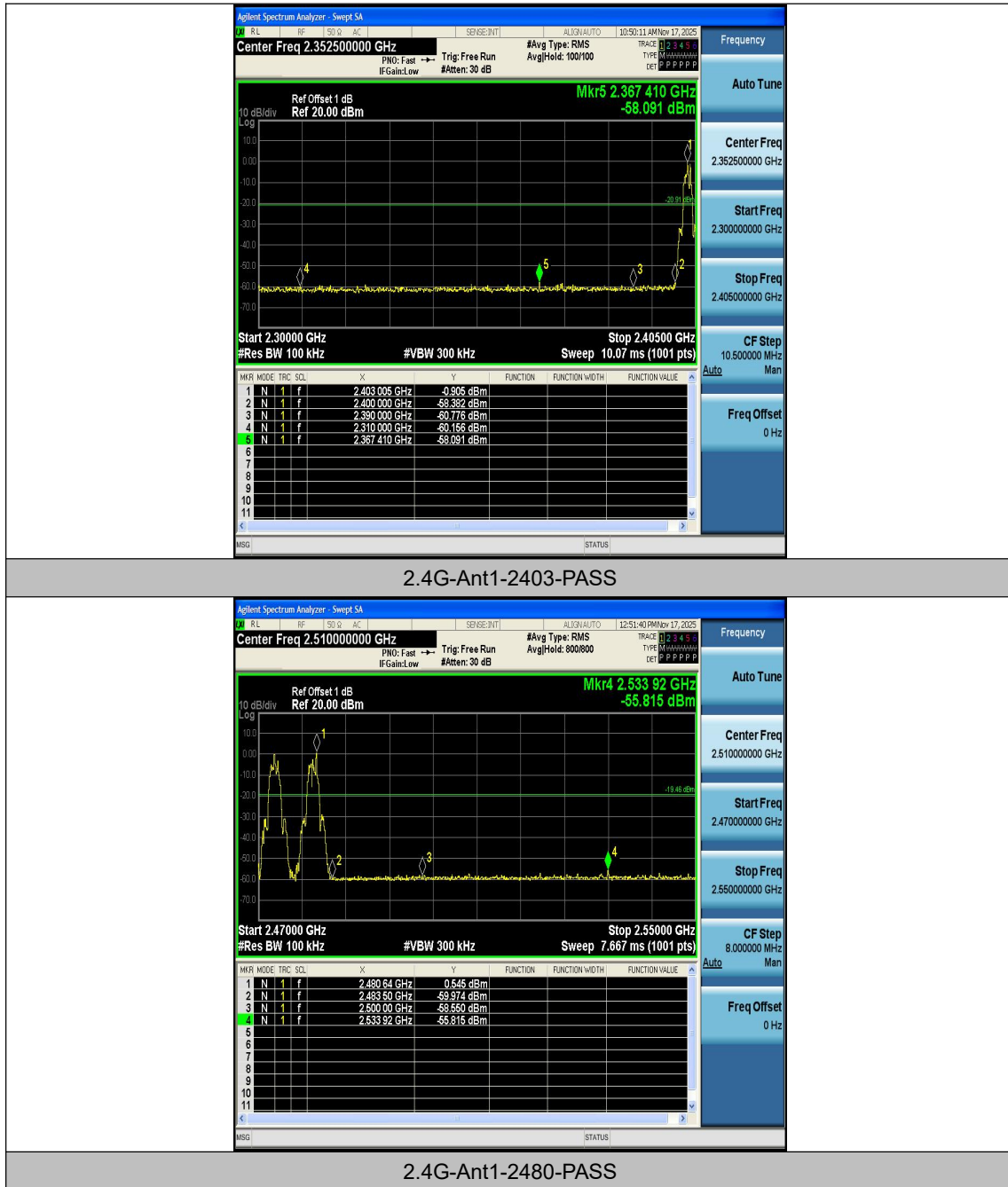
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	-0.91	-58.09	≤-20.91	PASS
2.4G	Ant1	High	2480	0.55	-55.82	≤-19.46	PASS
2.4G	Ant1	Low	Hop_2403	-2.39	-55.92	≤-22.39	PASS
2.4G	Ant1	High	Hop_2480	0.55	-56.11	≤-19.45	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.

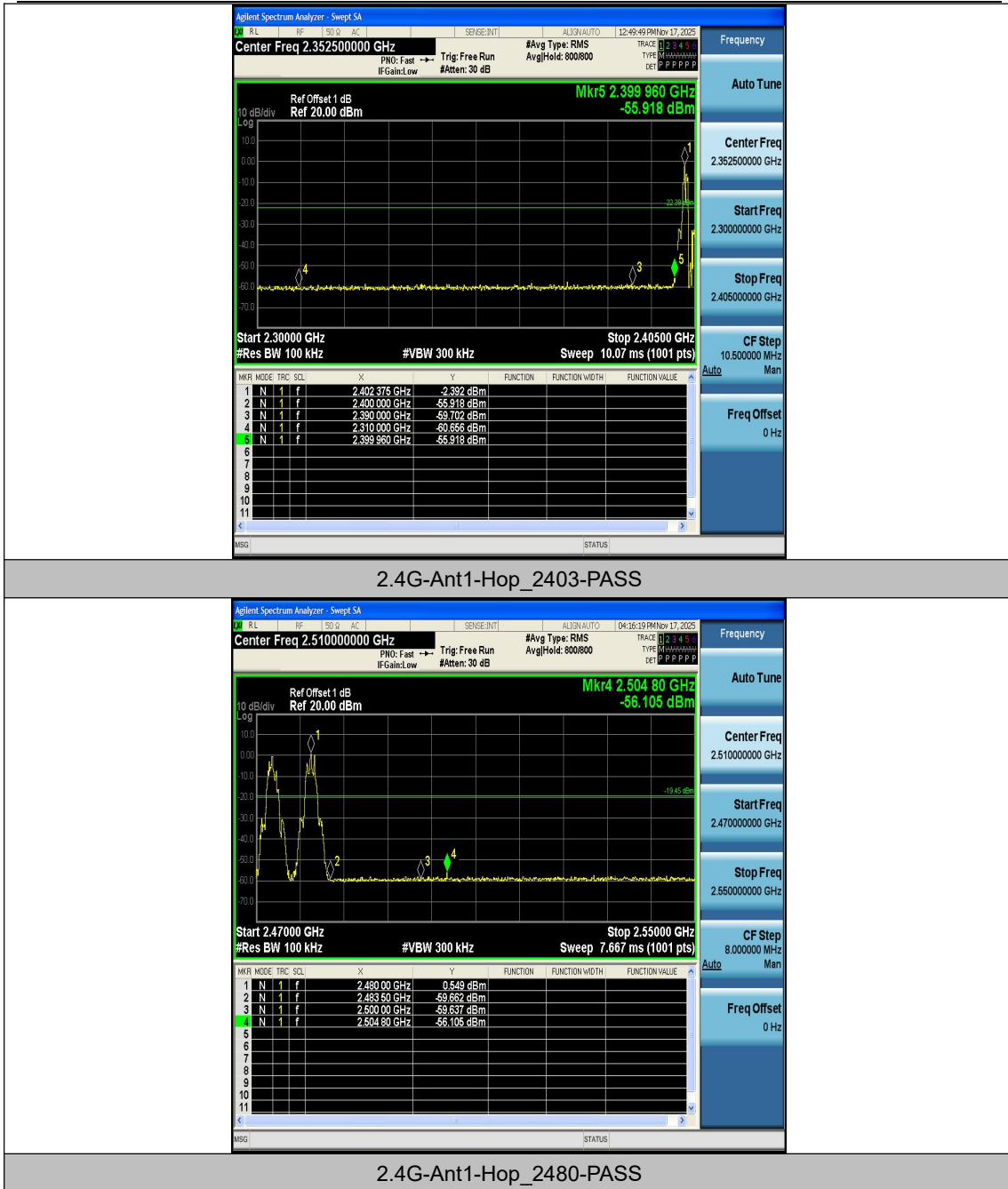
Test Graphs



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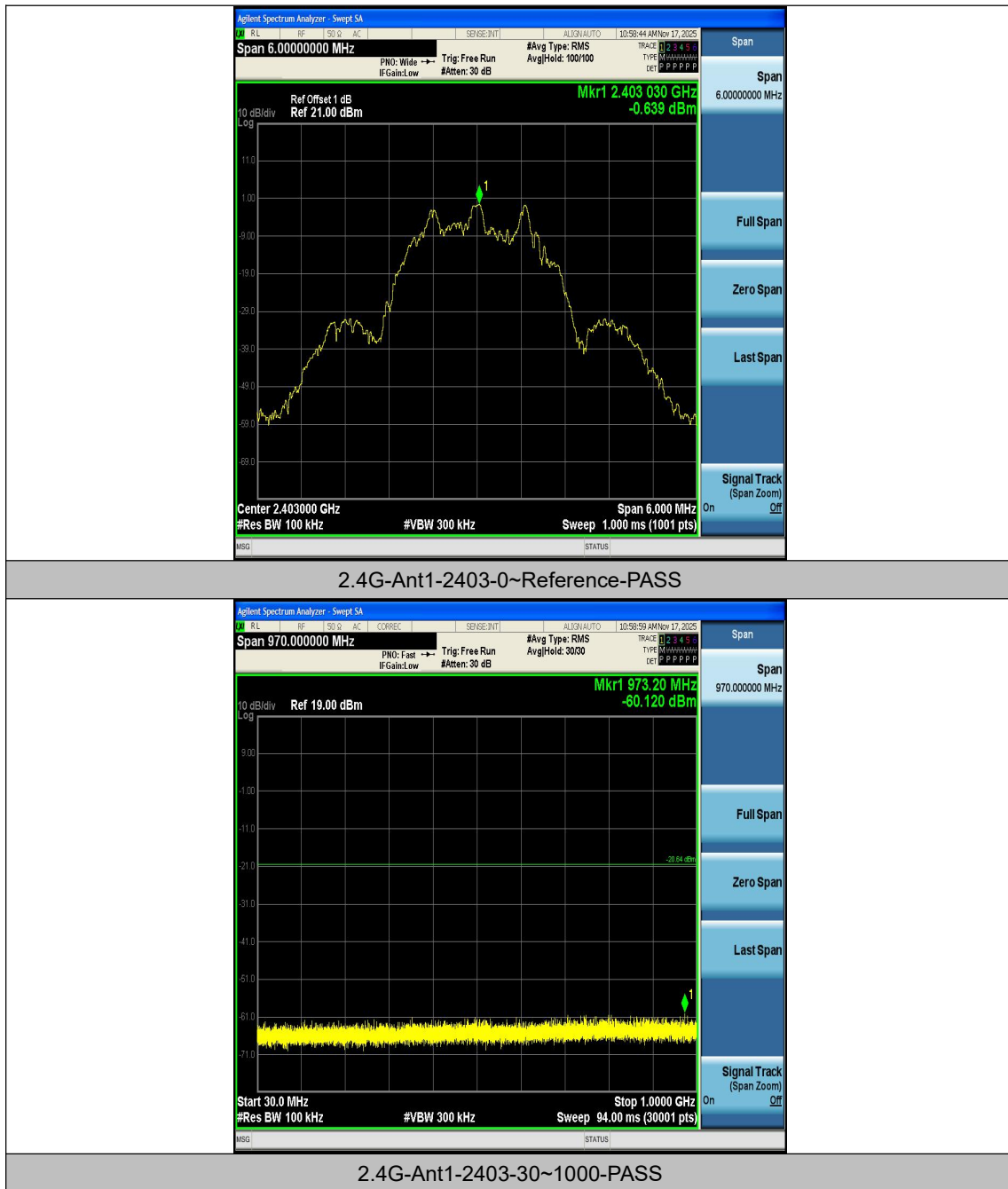
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	0~Reference	-0.64	-0.64	---	PASS
2.4G	Ant1	2403	30~1000	-0.64	-60.12	≤-20.64	PASS
2.4G	Ant1	2403	1000~26500	-0.64	-44.85	≤-20.64	PASS
2.4G	Ant1	2441	0~Reference	0.02	0.02	---	PASS
2.4G	Ant1	2441	30~1000	0.02	-59.76	≤-19.98	PASS
2.4G	Ant1	2441	1000~26500	0.02	-46.01	≤-19.98	PASS
2.4G	Ant1	2480	0~Reference	1.79	1.79	---	PASS
2.4G	Ant1	2480	30~1000	1.79	-59.71	≤-18.21	PASS
2.4G	Ant1	2480	1000~26500	1.79	-45.85	≤-18.21	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.

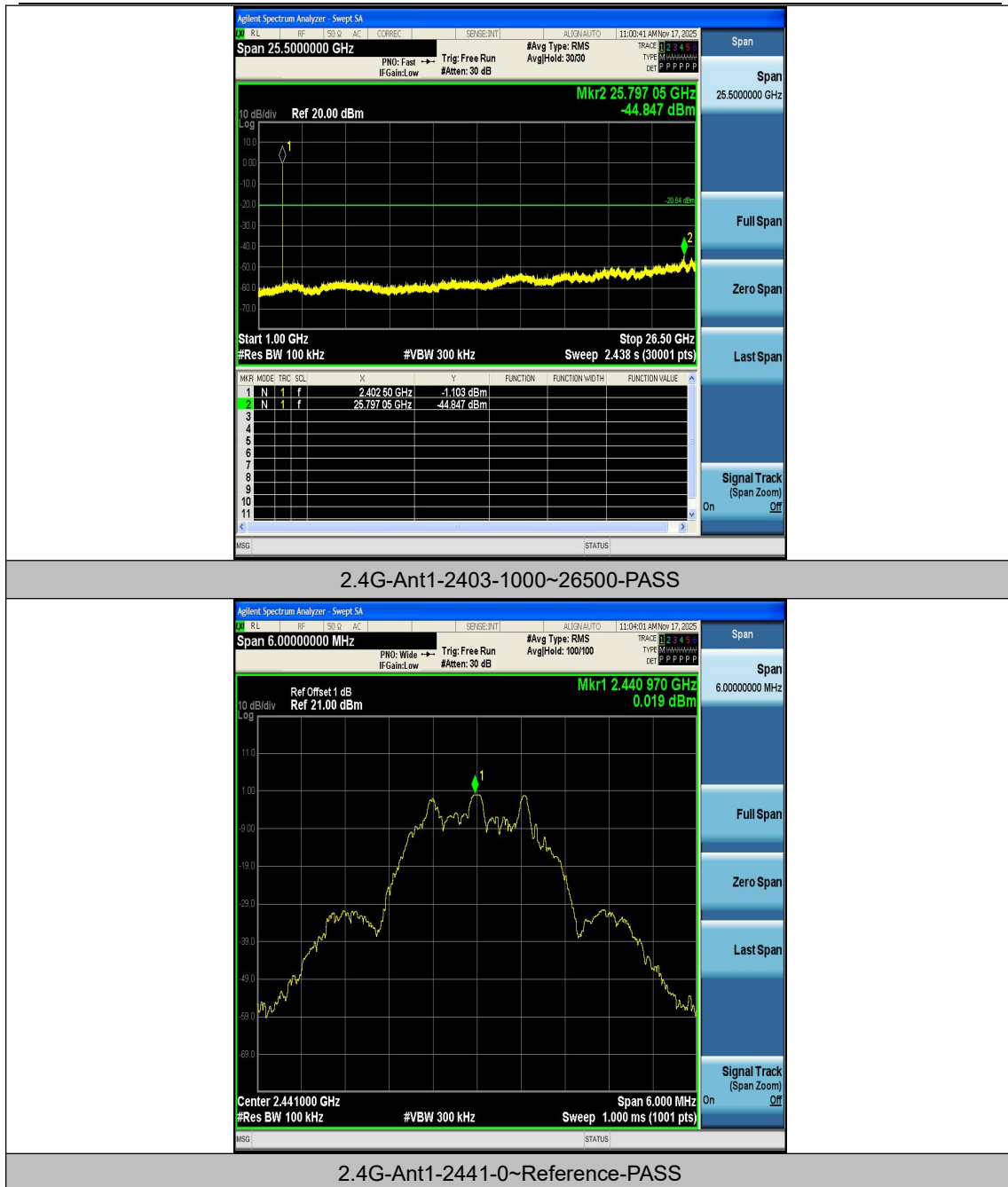
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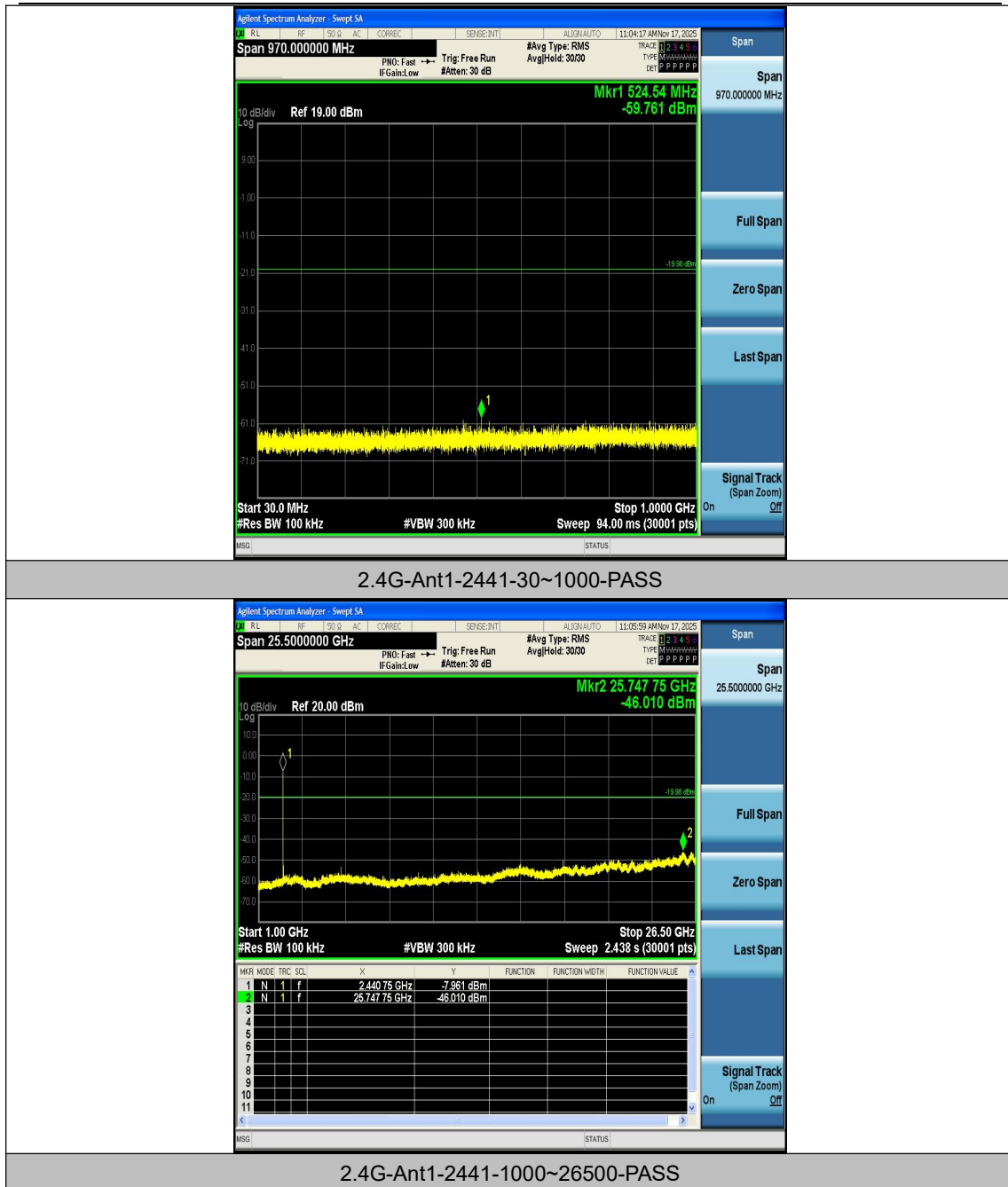
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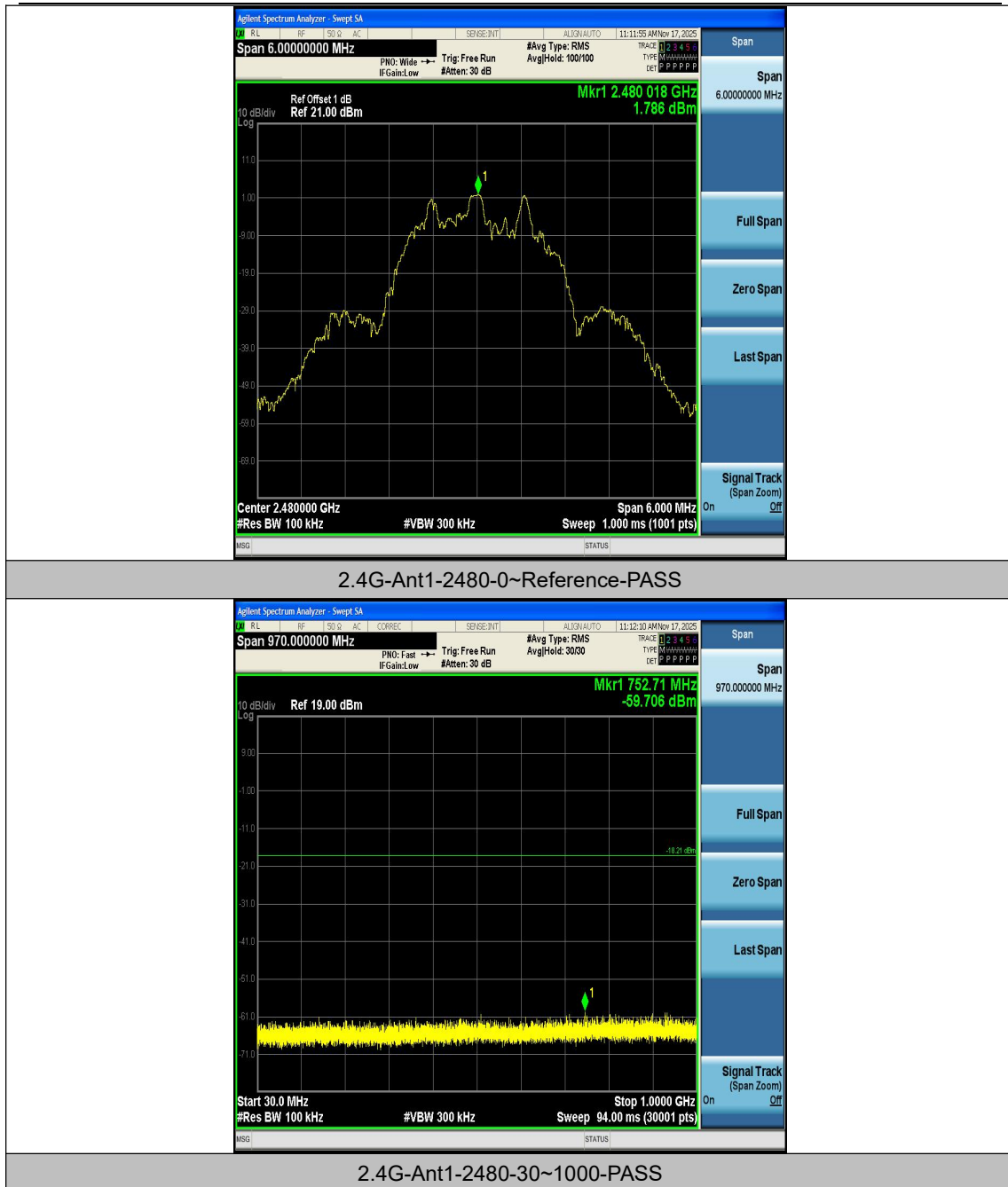
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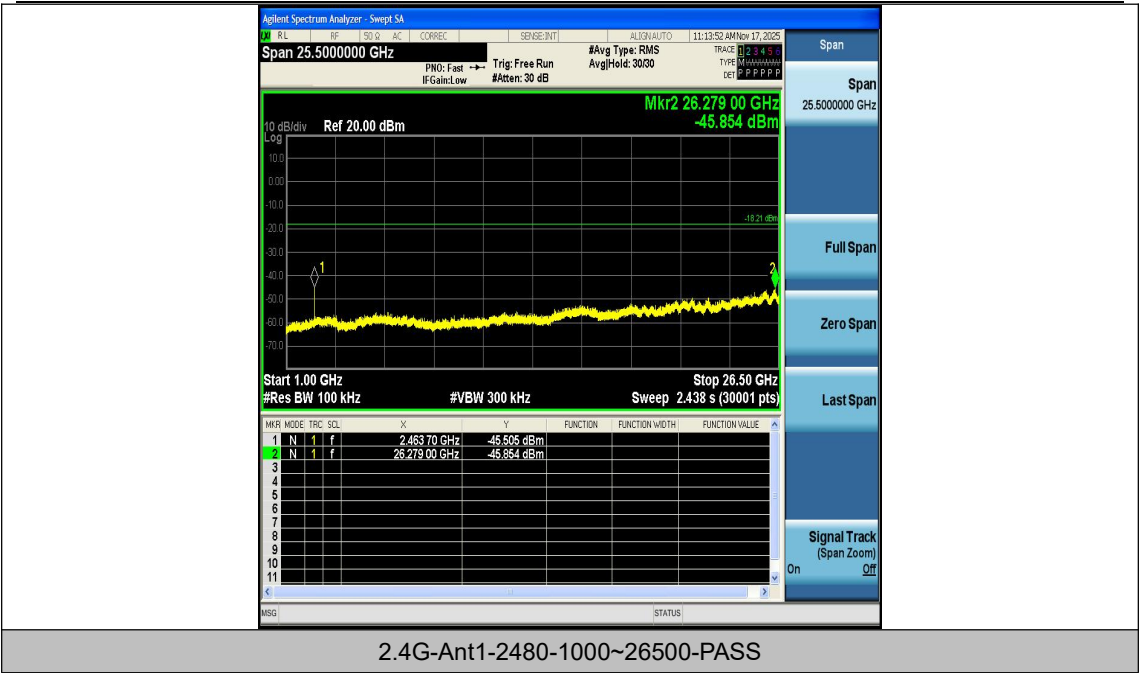
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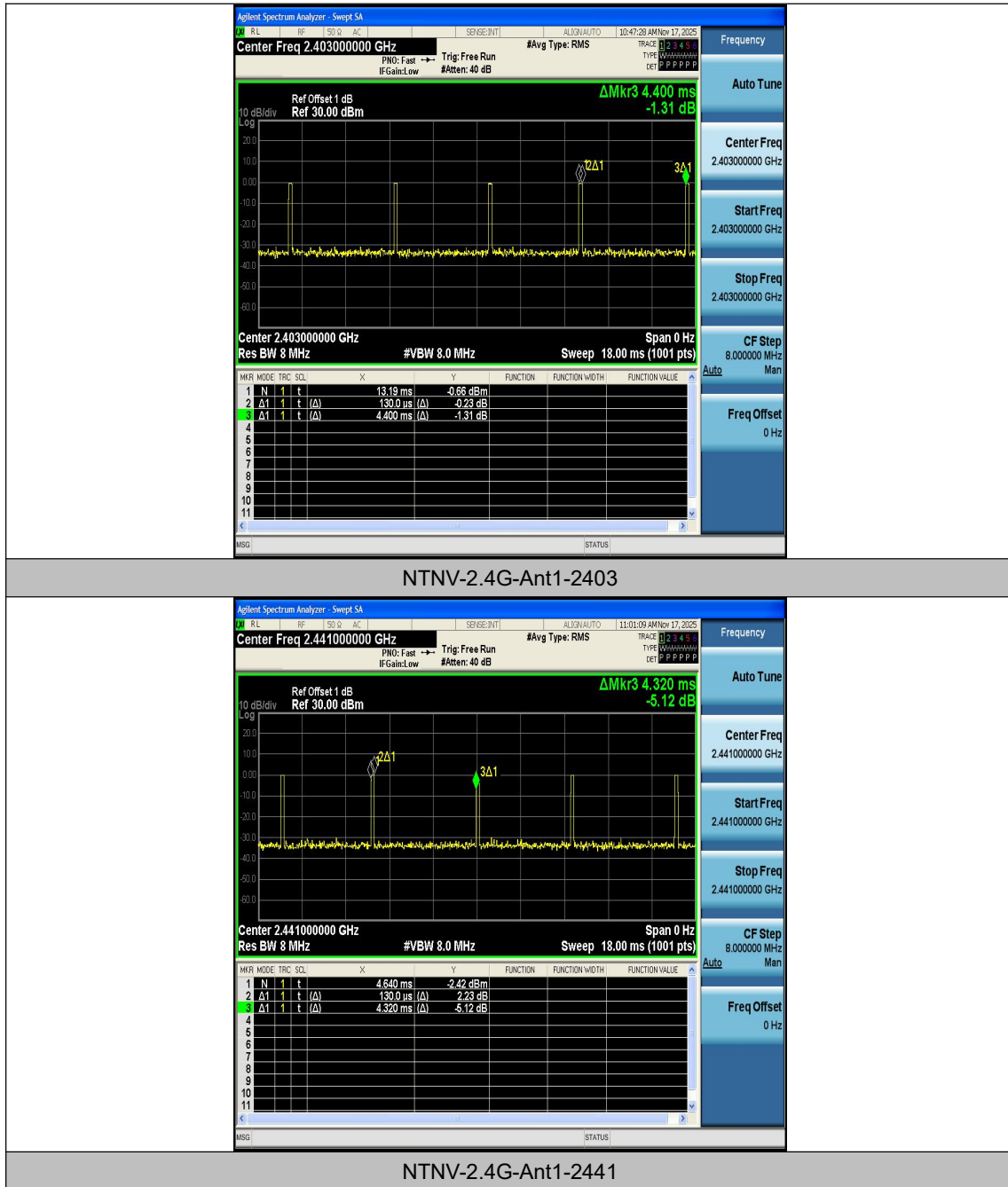
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Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2403	0.13	4.40	2.95	15.30
2.4G	Ant1	2441	0.13	4.32	3.01	15.21
2.4G	Ant1	2480	0.12	4.26	2.82	15.50

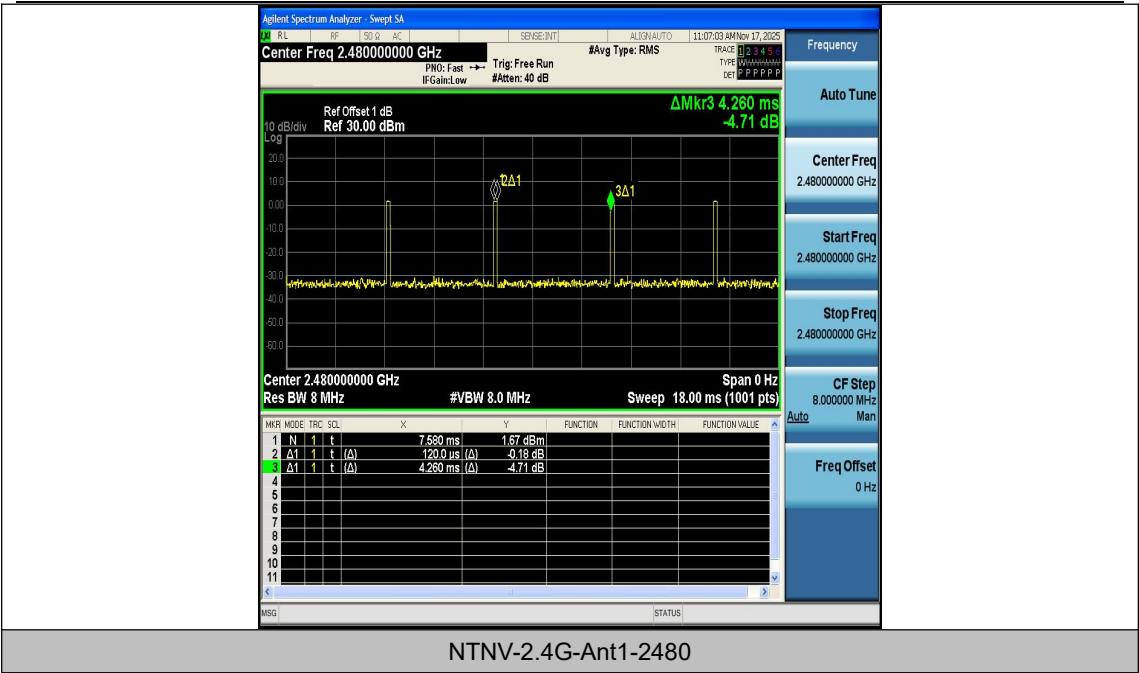
Test Graphs



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