

Appendix Test Data

Report No.:	1812C50542412502-01	Test Sample No.:	1-2-2
Start Test Date:	2025-10-21	Finish Test Date:	2025-10-21
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	22°C	Relative Humidity:	53%
Pressure:	101kPa		

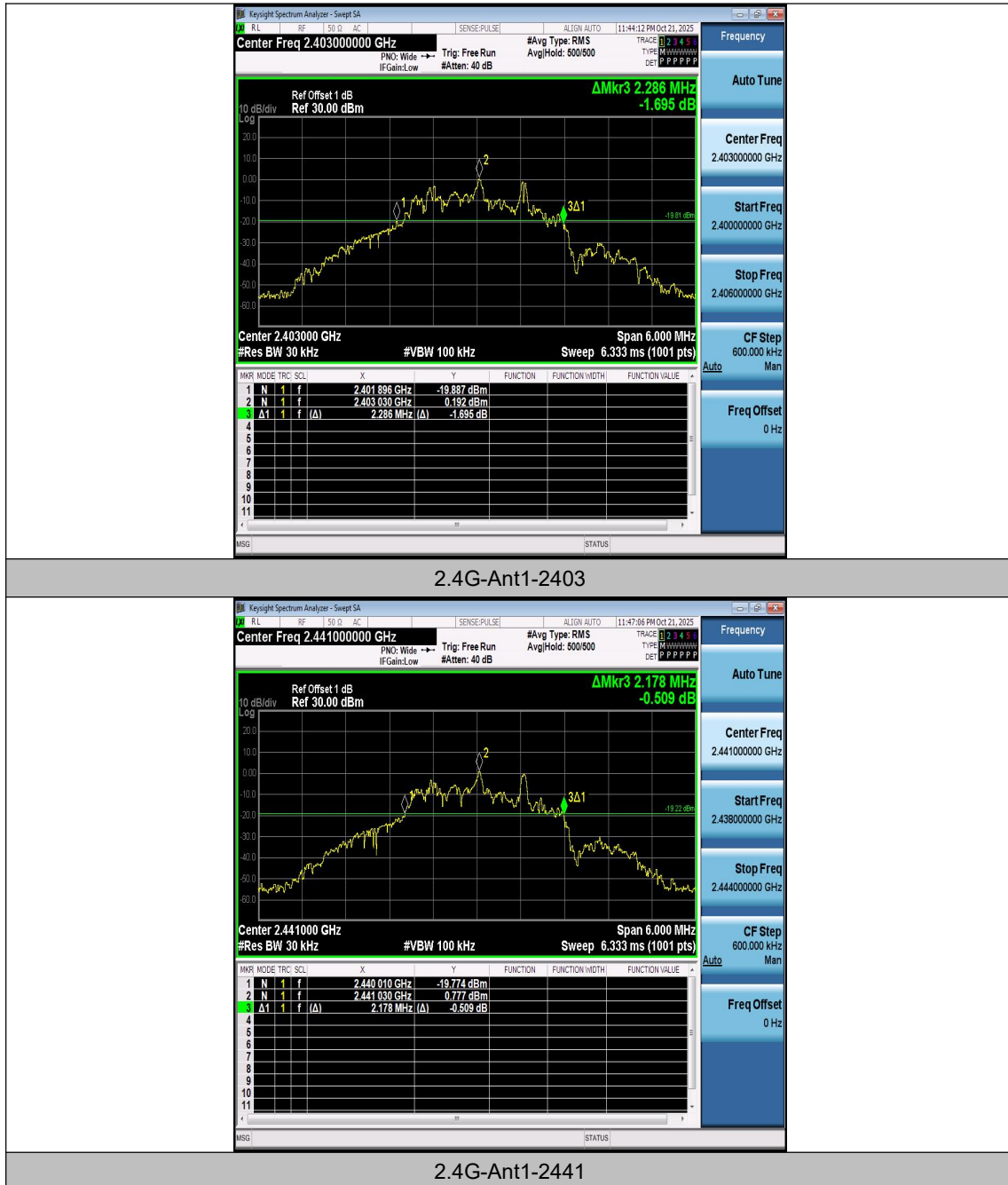


Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.286	2401.896	2404.182	---	---
2.4G	Ant1	2441	2.178	2440.010	2442.188	---	---
2.4G	Ant1	2480	2.172	2479.010	2481.182	---	---

Test Graphs



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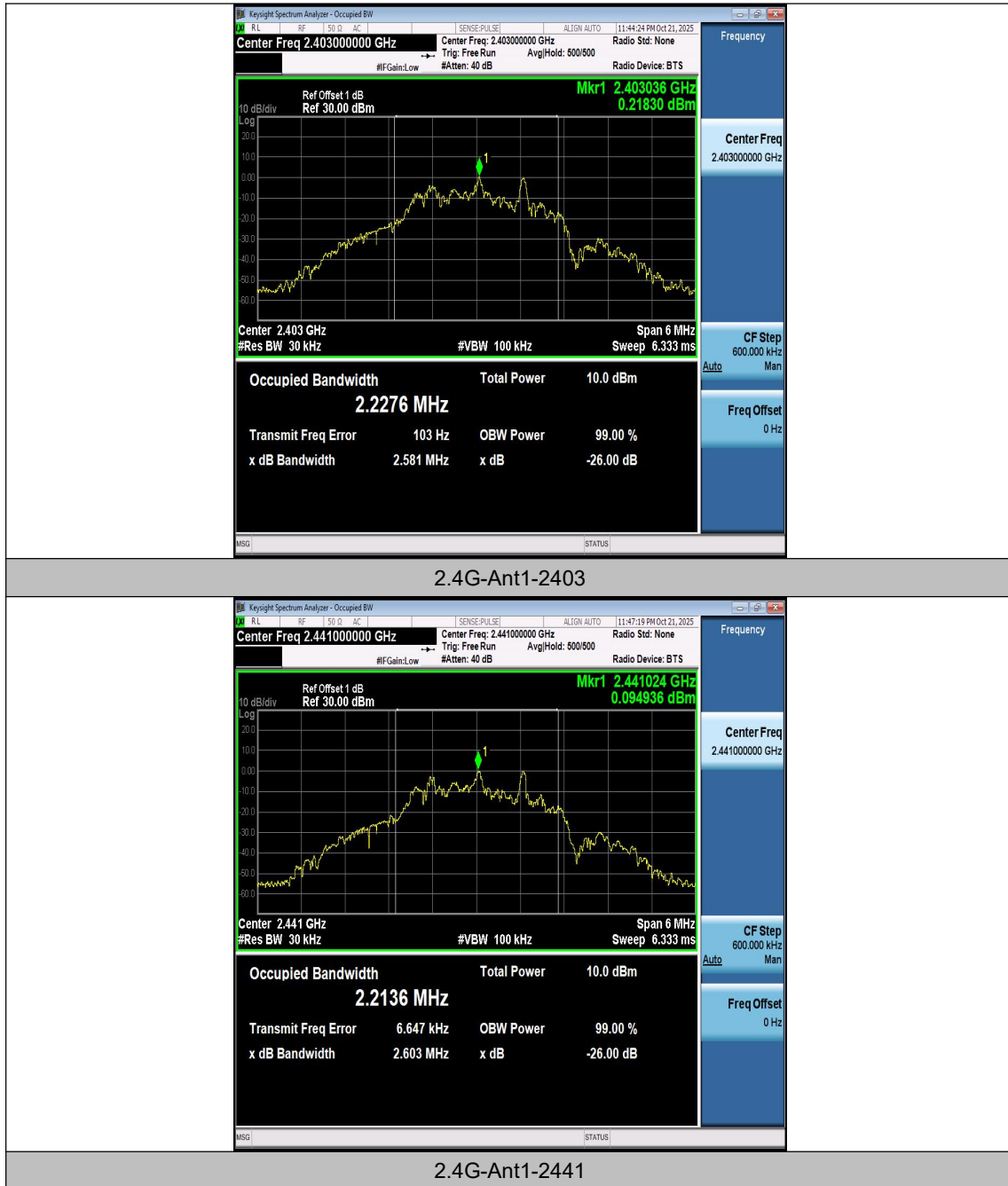
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.2276	2401.8863	2404.1139	---	---
2.4G	Ant1	2441	2.2136	2439.8999	2442.1135	---	---
2.4G	Ant1	2480	2.2303	2478.8871	2481.1174	---	---

Test Graphs



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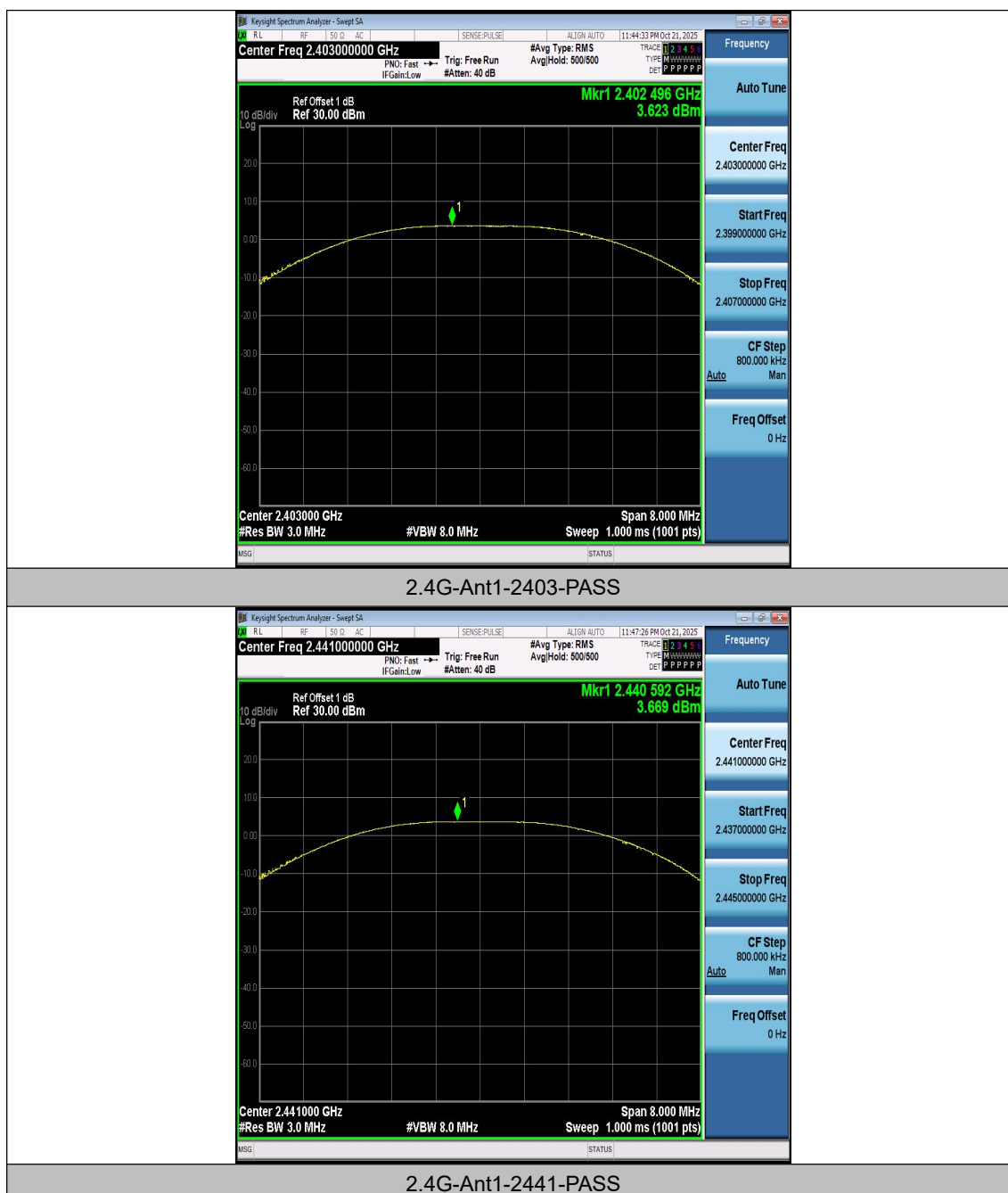
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Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	3.62	≤30	PASS
2.4G	Ant1	2441	3.67	≤30	PASS
2.4G	Ant1	2480	3.90	≤30	PASS

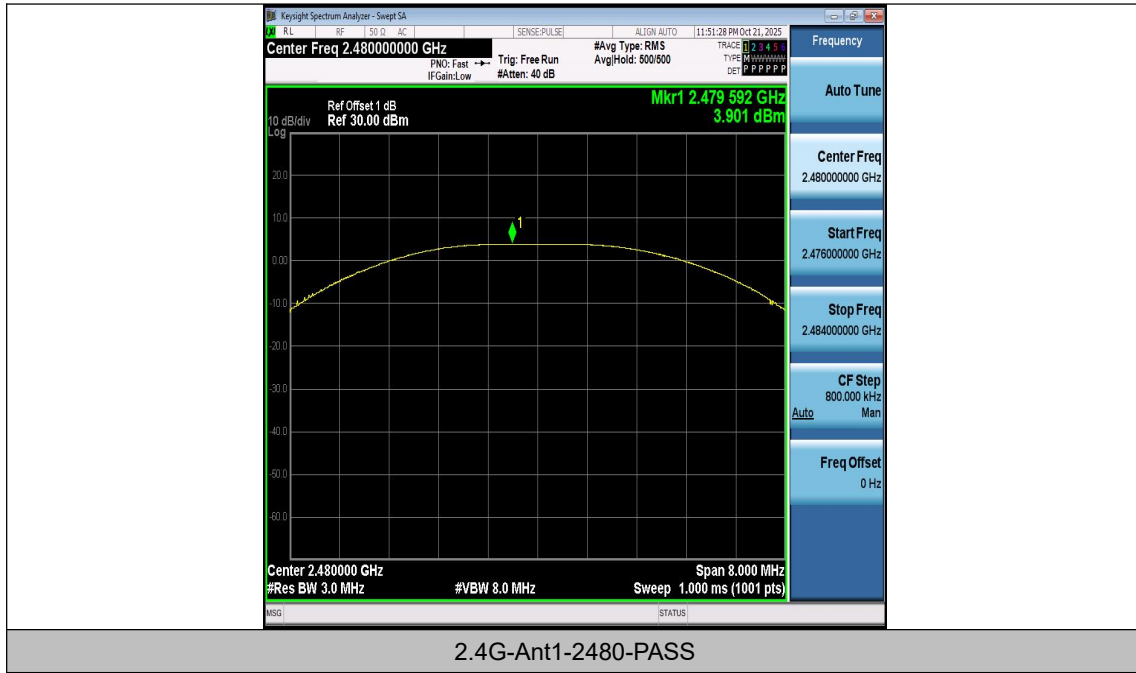
Test Graphs



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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	1.98	>1.524	PASS

Test Graphs



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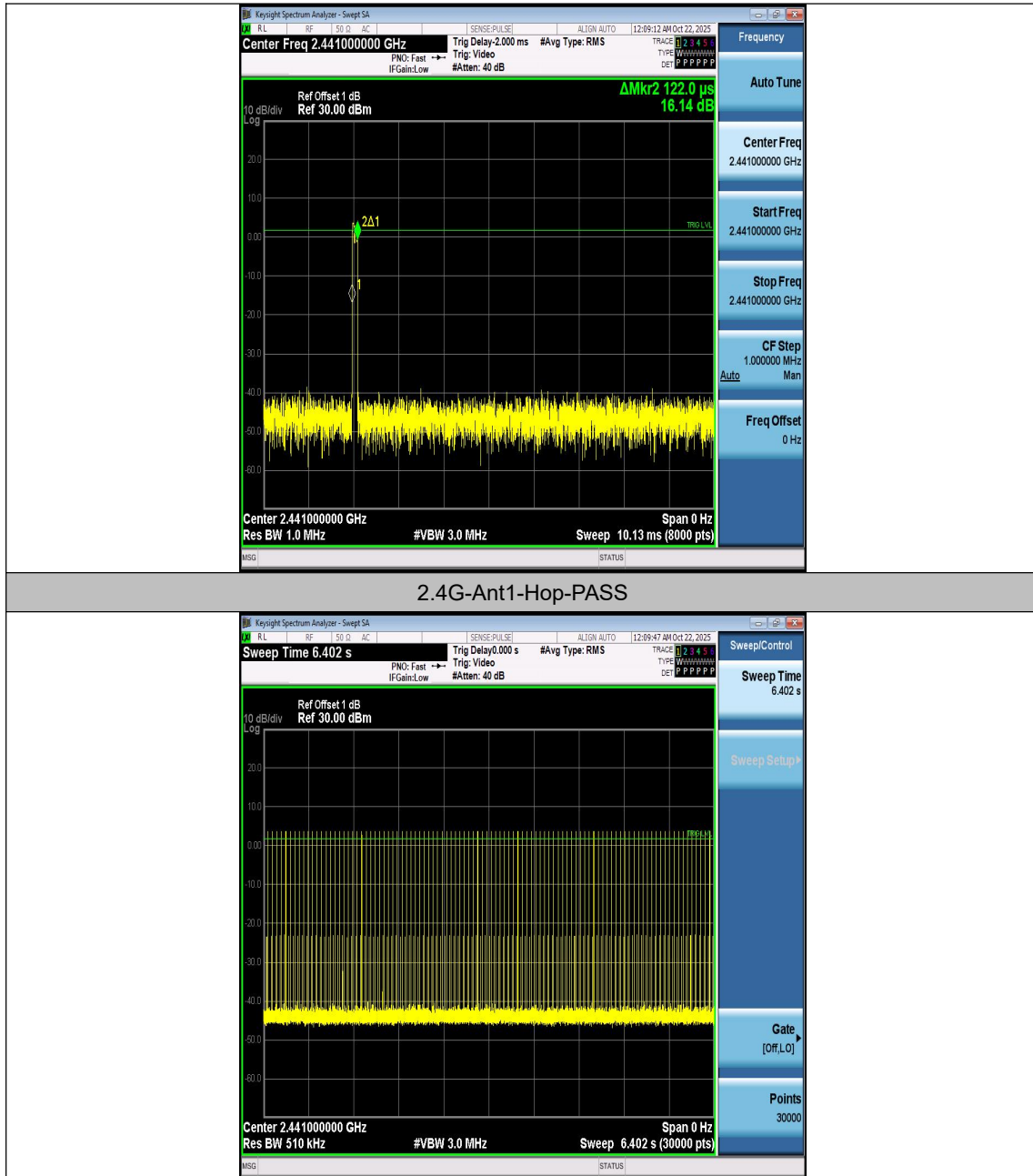
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Appendix E: Dwell Time

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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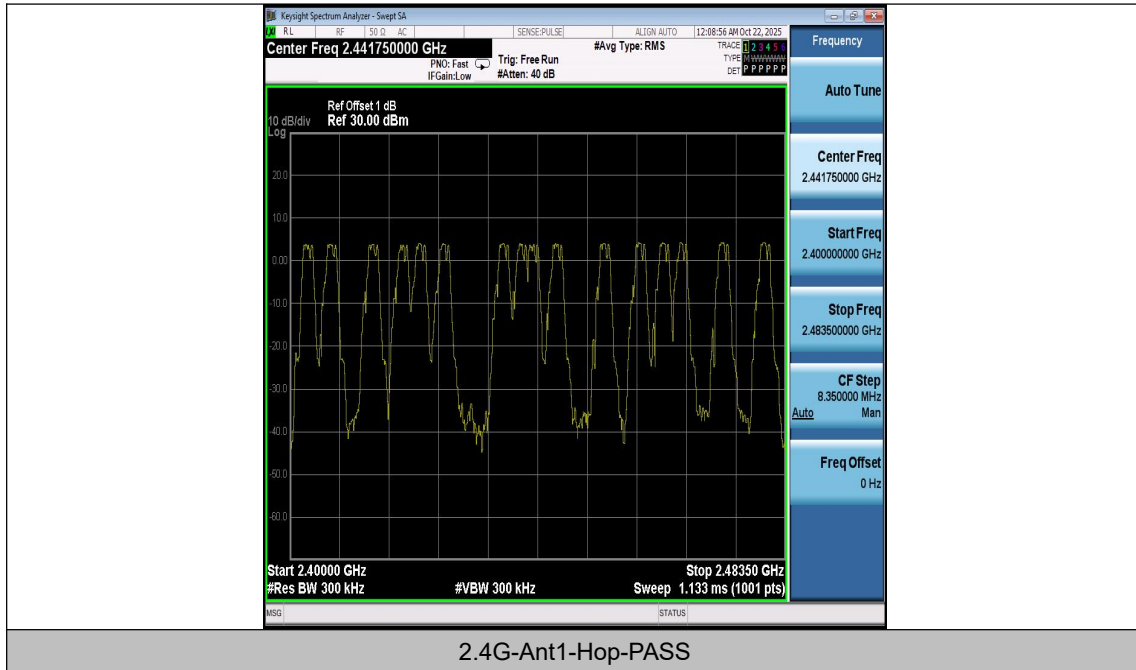
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Appendix F: Number of Hopping Channel

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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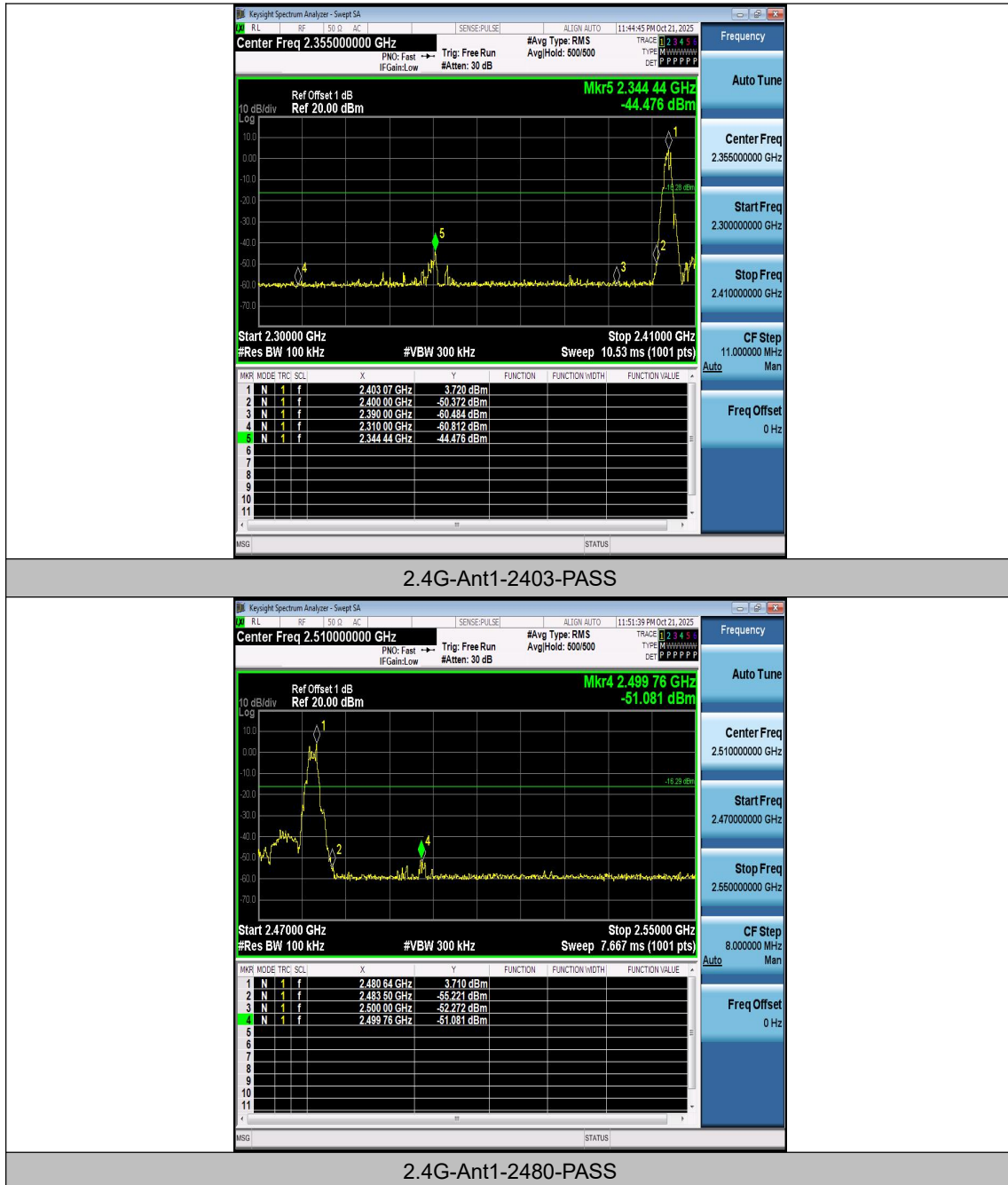
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	3.72	-44.48	≤-16.28	PASS
2.4G	Ant1	High	2480	3.71	-51.08	≤-16.29	PASS
2.4G	Ant1	Low	Hop	3.46	-49.15	≤-16.54	PASS
2.4G	Ant1	High	Hop	3.69	-45.55	≤-16.31	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.

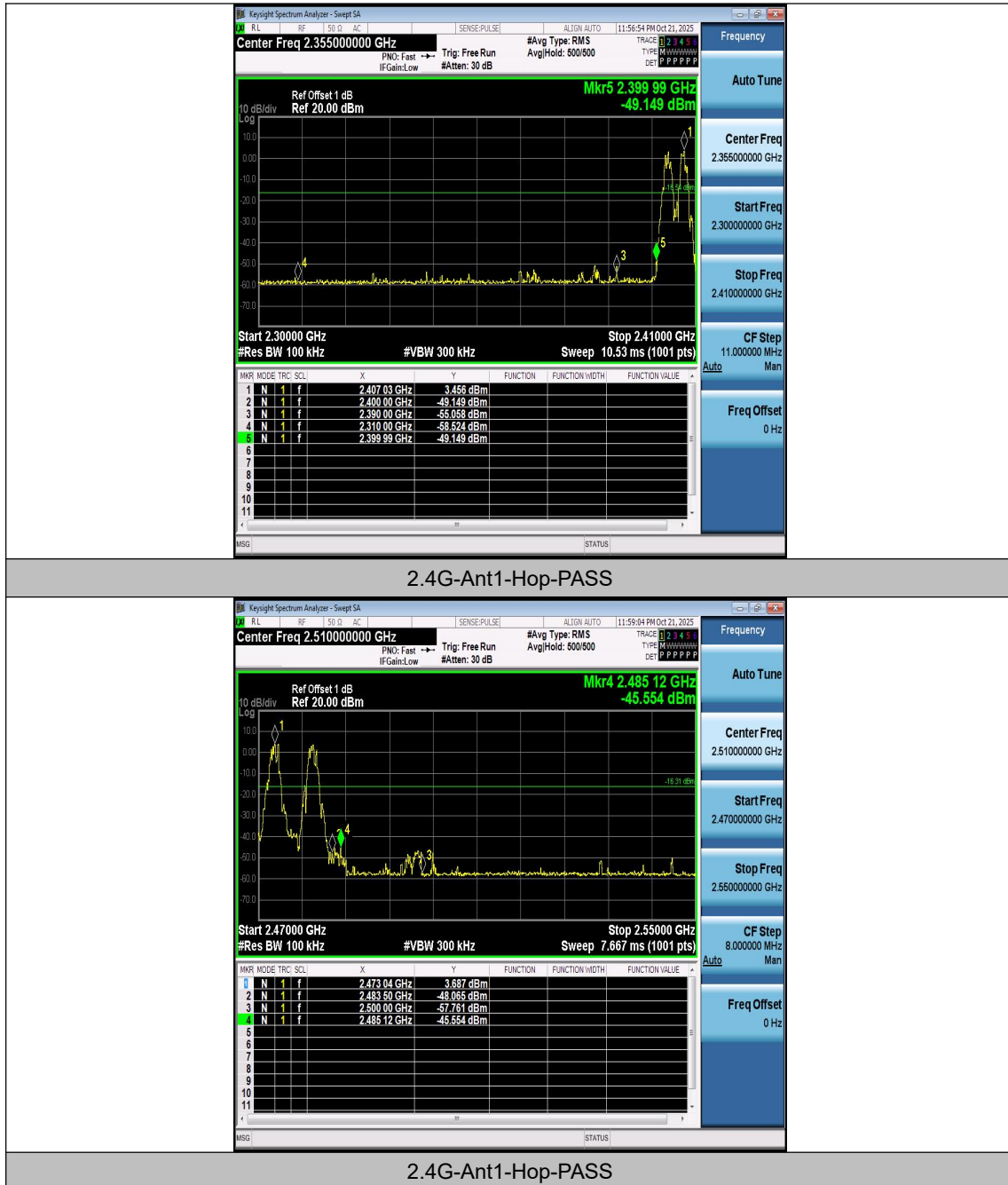
Test Graphs



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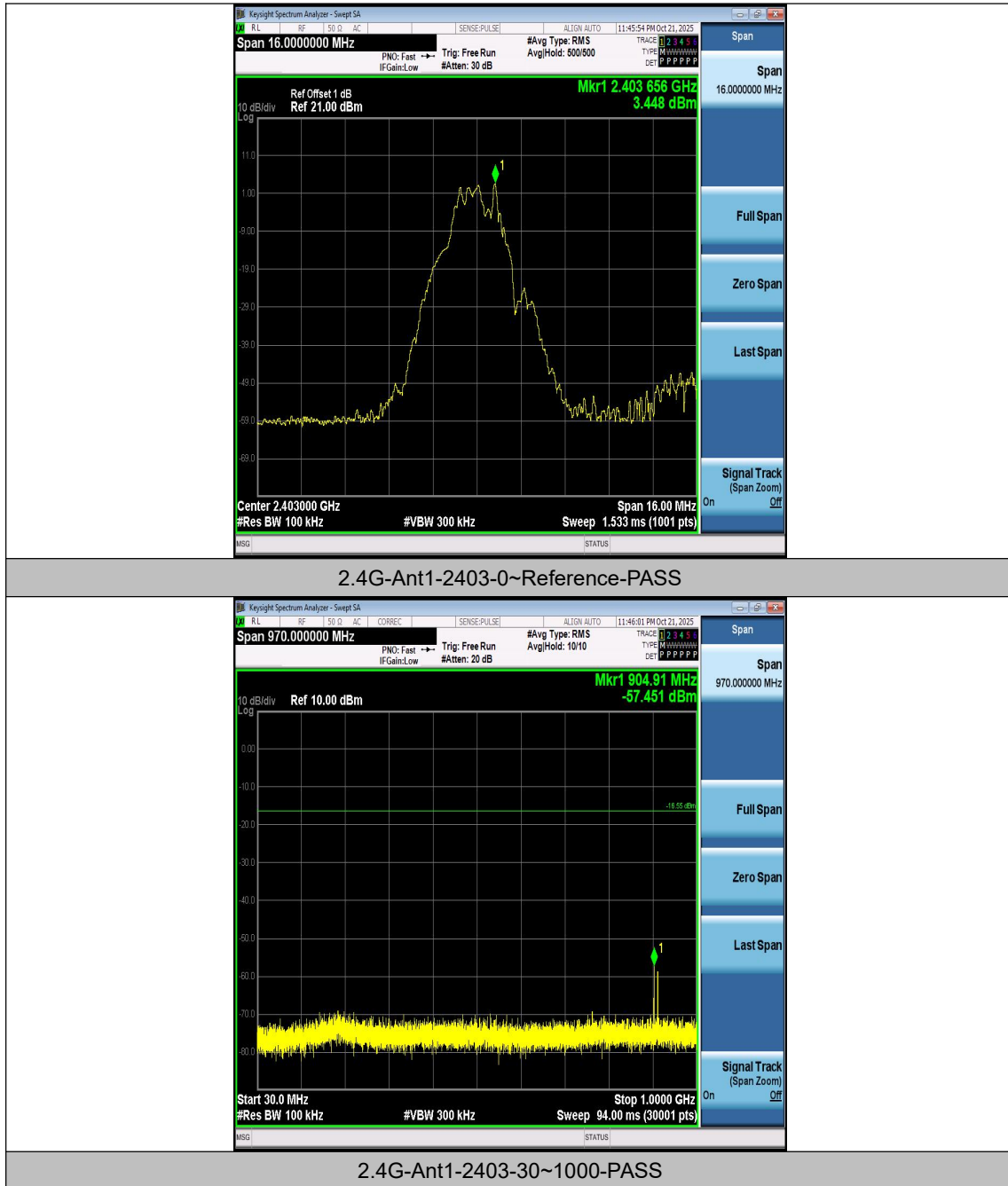
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	0~Reference	3.45	3.45	---	PASS
2.4G	Ant1	2403	30~1000	3.45	-57.45	≤-16.55	PASS
2.4G	Ant1	2403	1000~26500	3.45	-53.12	≤-16.55	PASS
2.4G	Ant1	2441	0~Reference	3.83	3.83	---	PASS
2.4G	Ant1	2441	30~1000	3.83	-44.67	≤-16.17	PASS
2.4G	Ant1	2441	1000~26500	3.83	-50.65	≤-16.17	PASS
2.4G	Ant1	2480	0~Reference	4.10	4.10	---	PASS
2.4G	Ant1	2480	30~1000	4.10	-55.75	≤-15.9	PASS
2.4G	Ant1	2480	1000~26500	4.10	-48.33	≤-15.9	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.

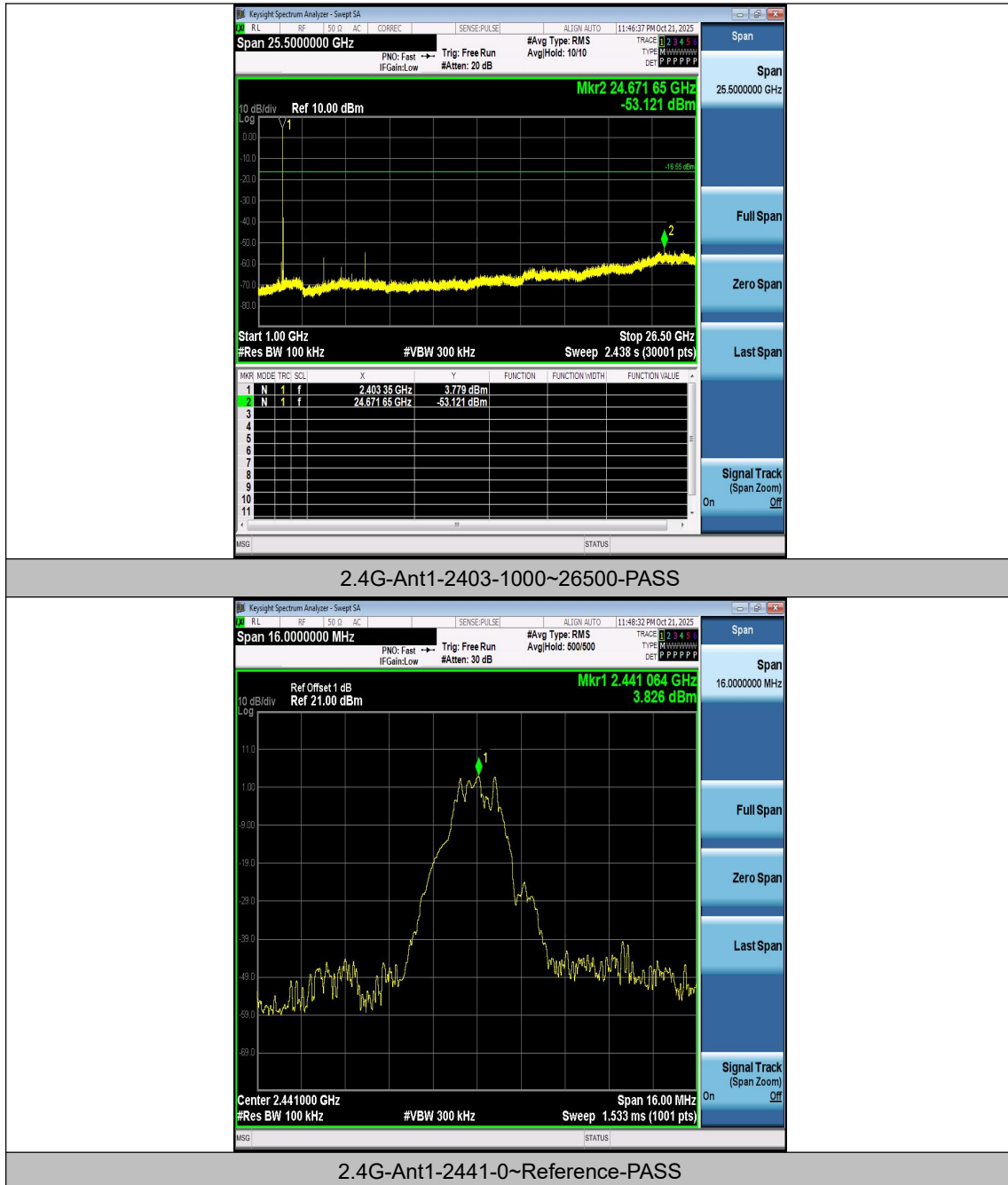
Test Graphs



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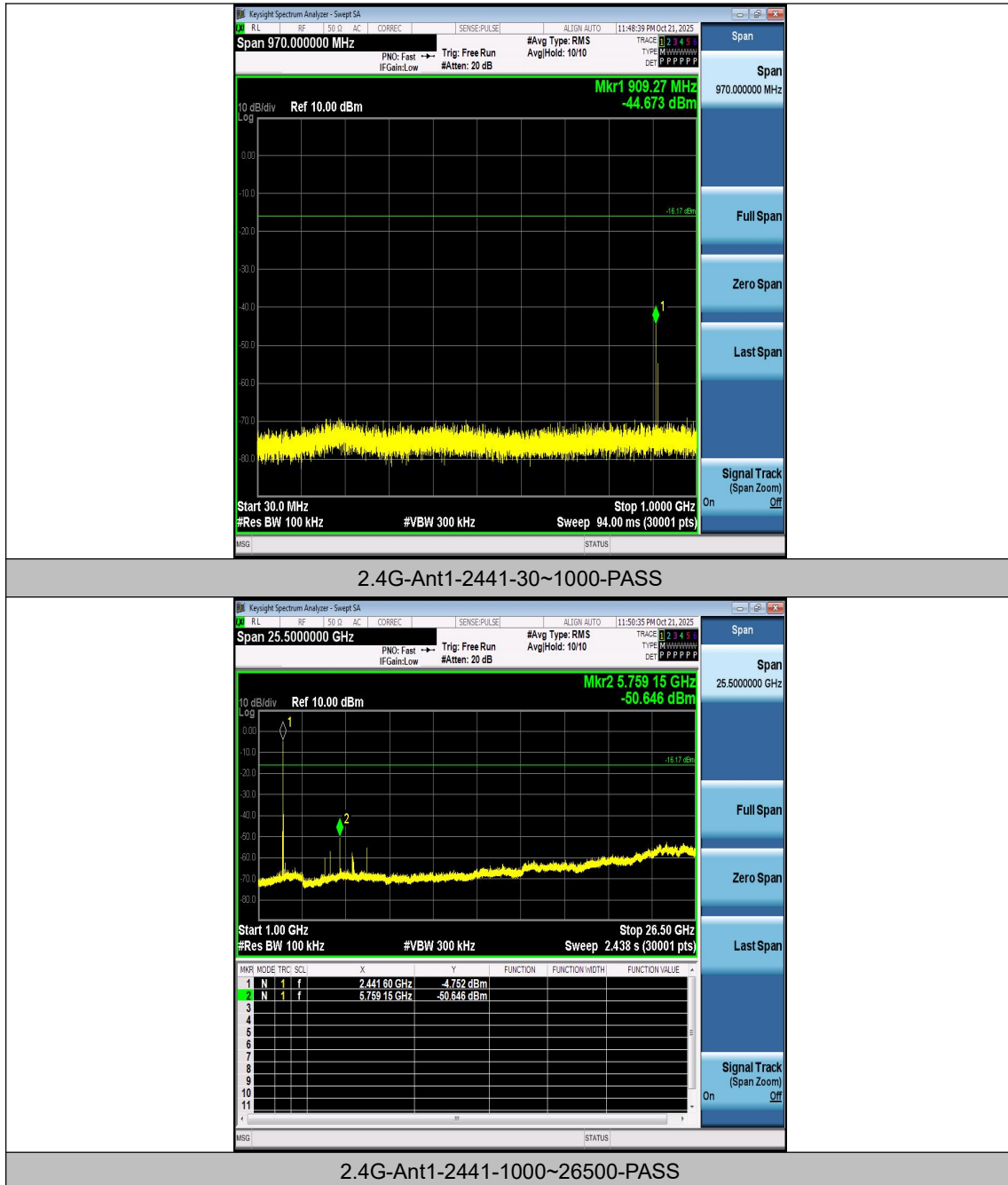
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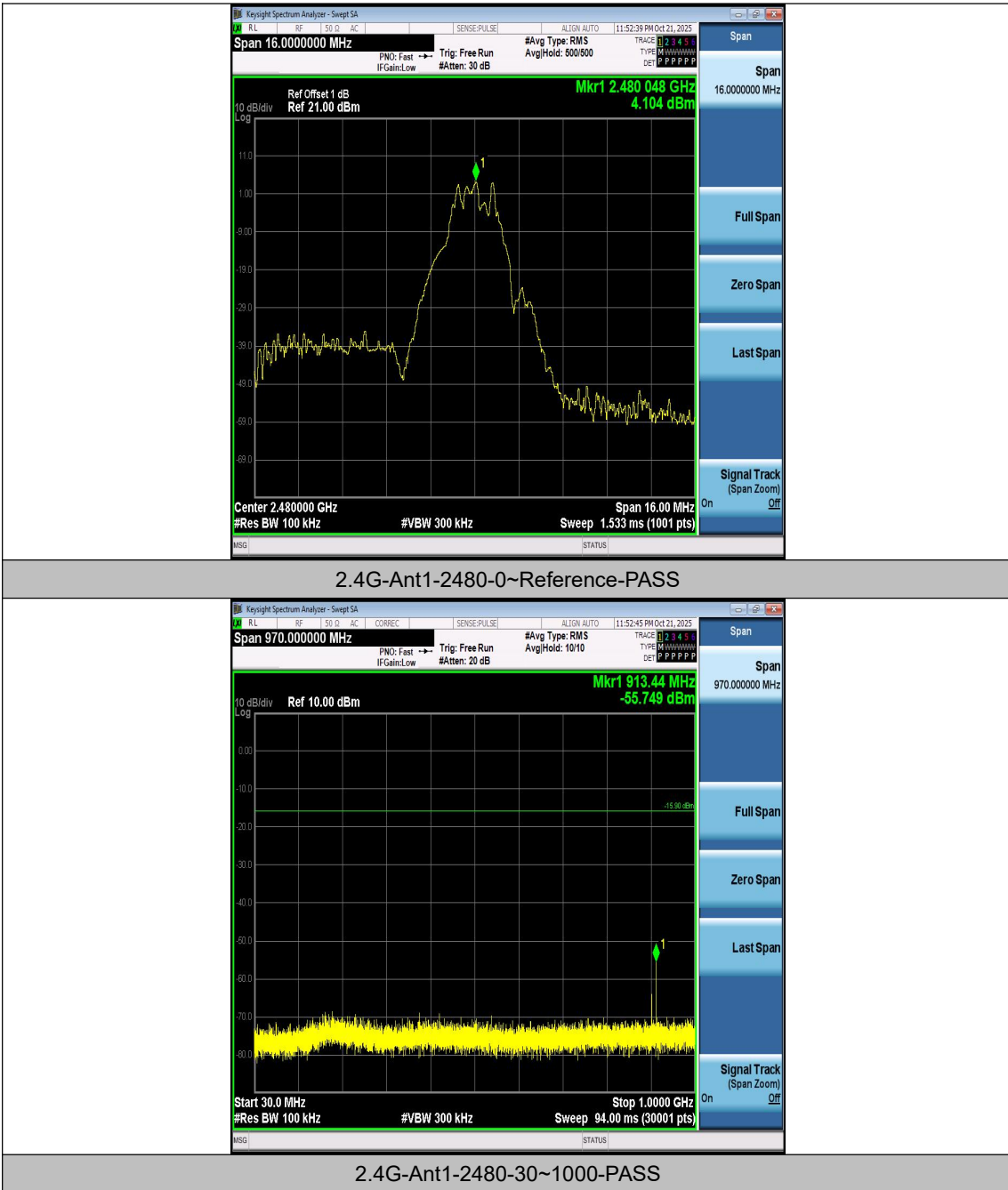
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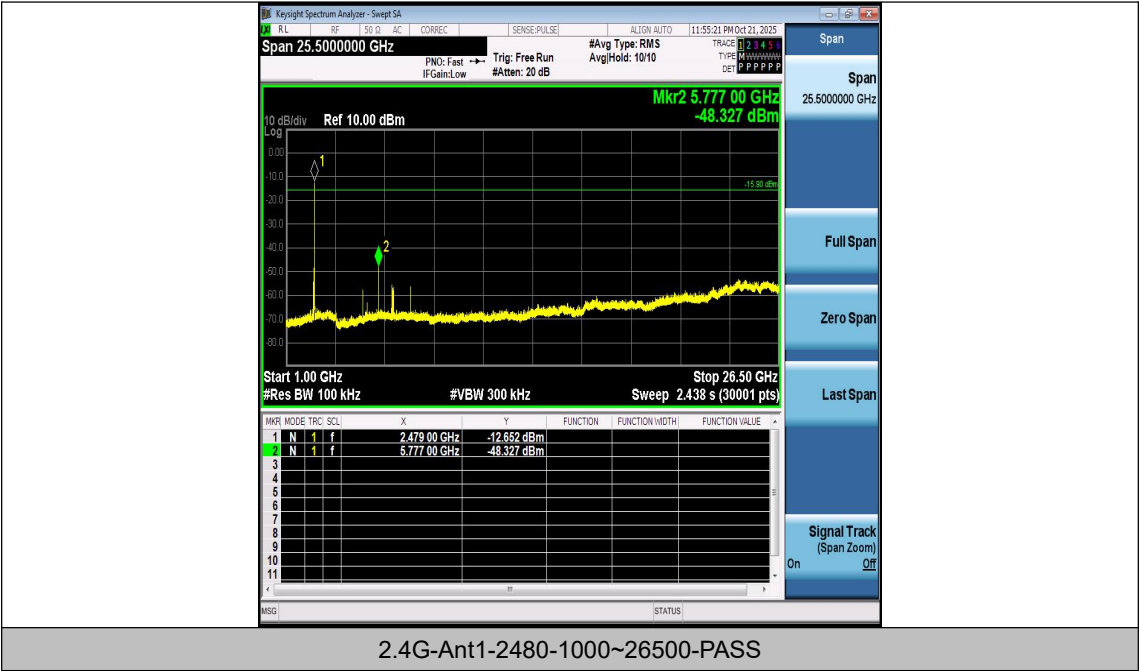
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2.4G-Ant1-2480-1000~26500-PASS

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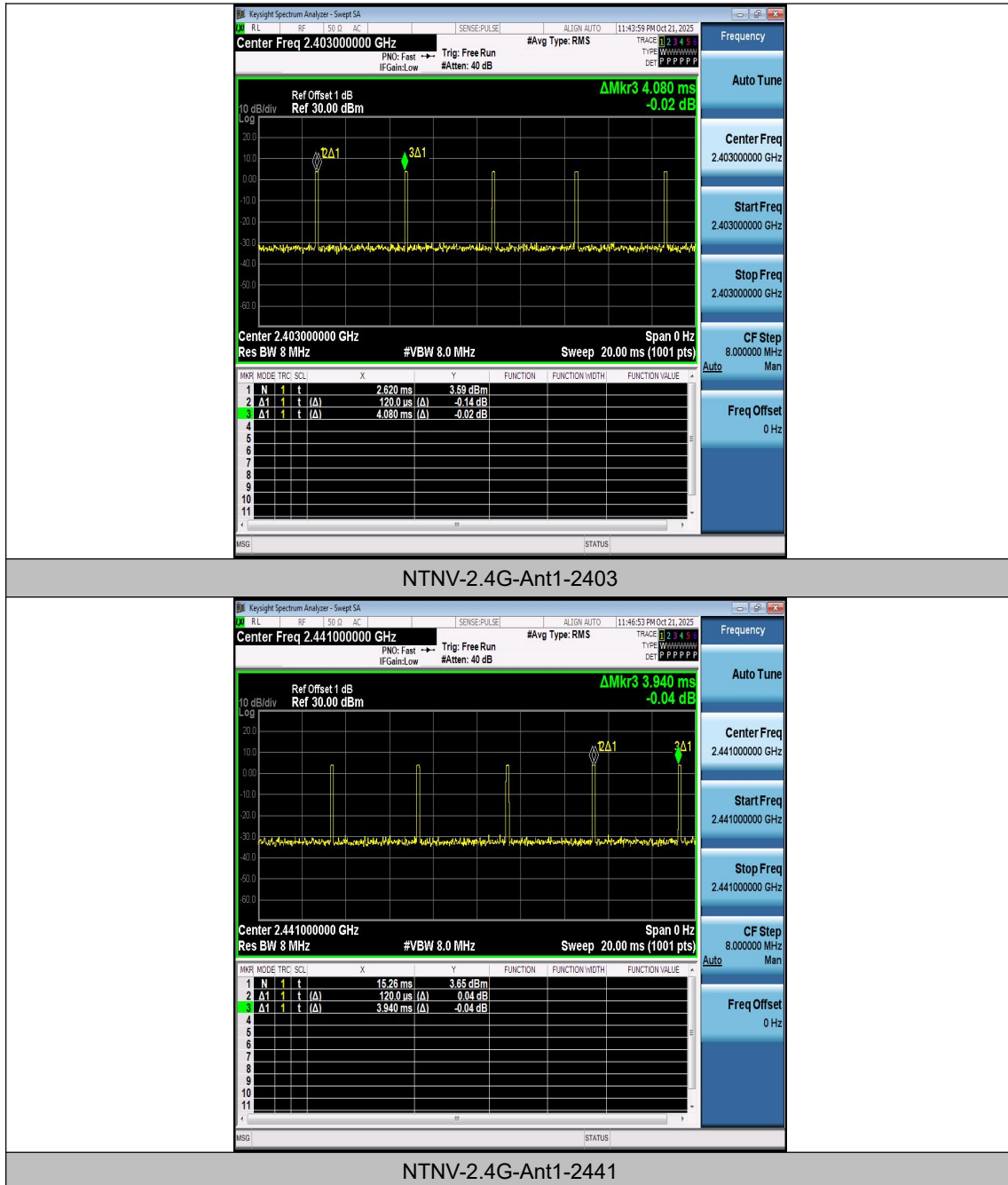
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Appendix I: Duty Cycle

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	3.94	3.05	15.16
2.4G	Ant1	2480	0.12	3.94	3.05	15.16

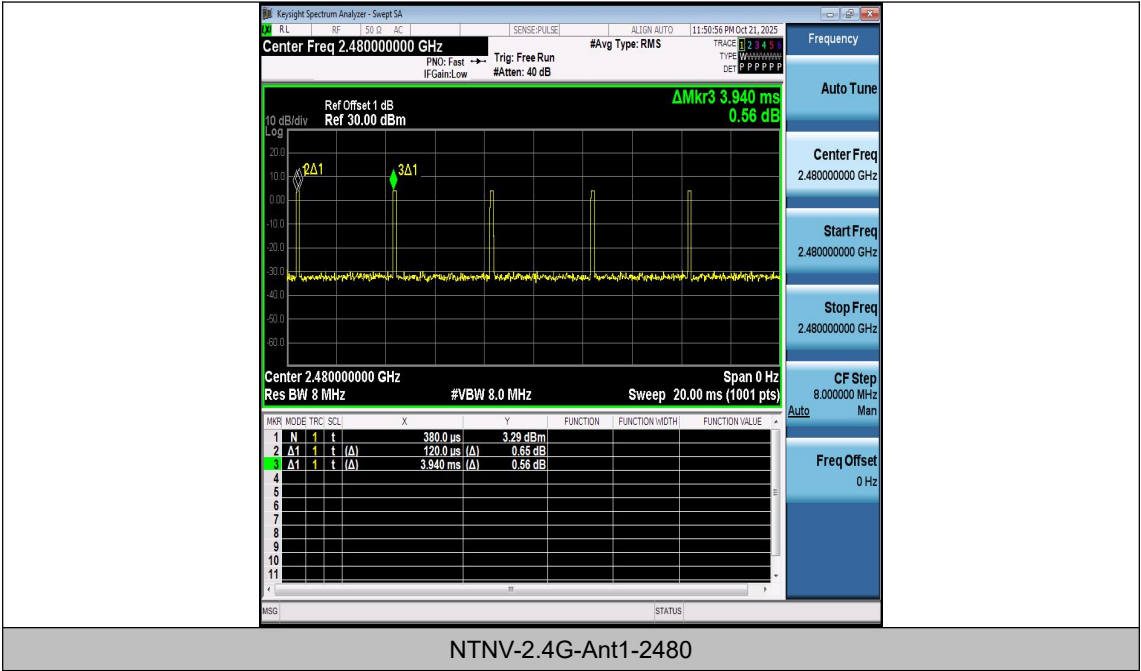
Test Graphs



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NTNV-2.4G-Ant1-2480

---End---