

Appendix Test Data

Report No.:	1812C50542712502-01	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		

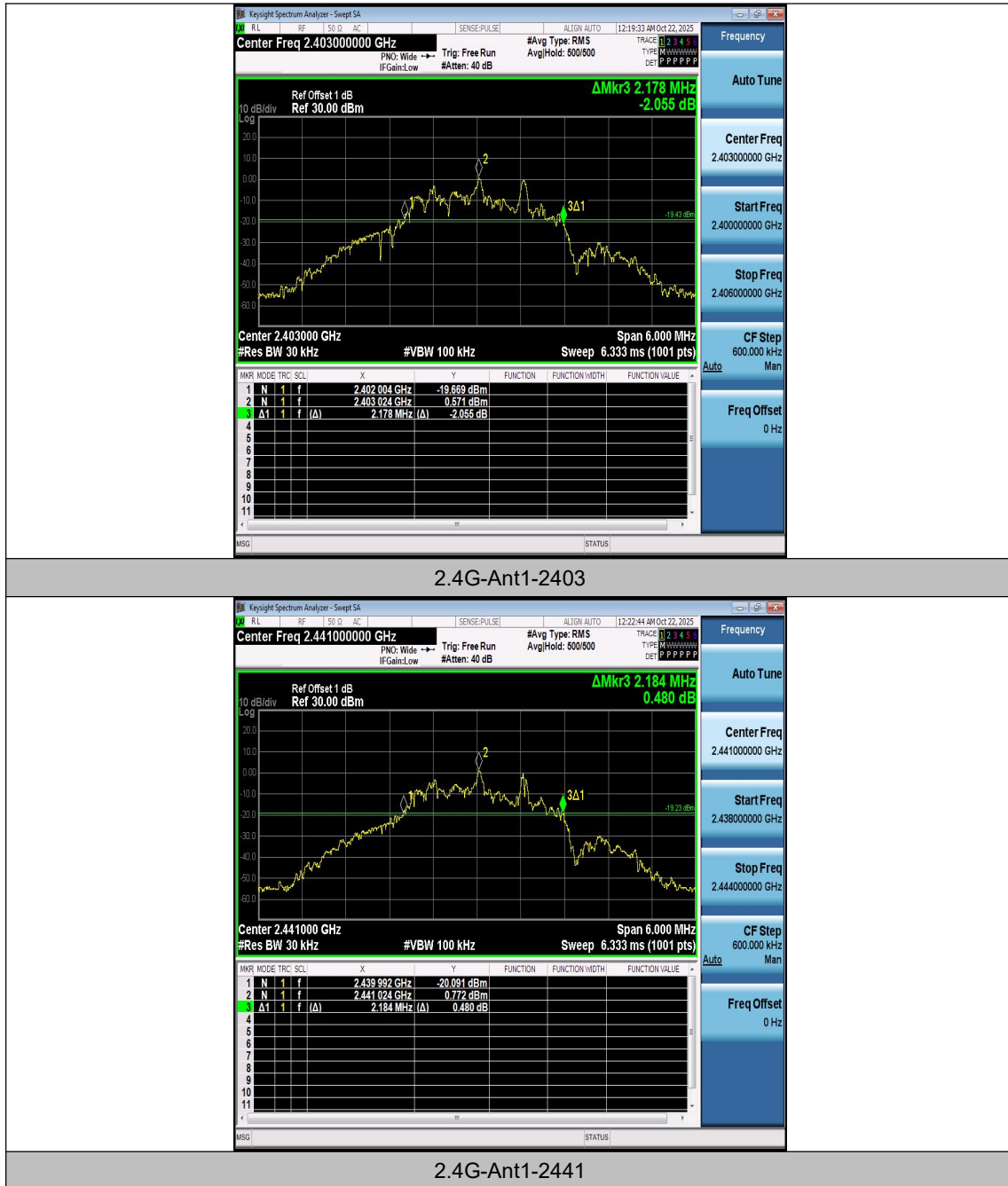


Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.178	2402.004	2404.182	---	---
2.4G	Ant1	2441	2.184	2439.992	2442.176	---	---
2.4G	Ant1	2480	2.172	2479.004	2481.176	---	---

Test Graphs



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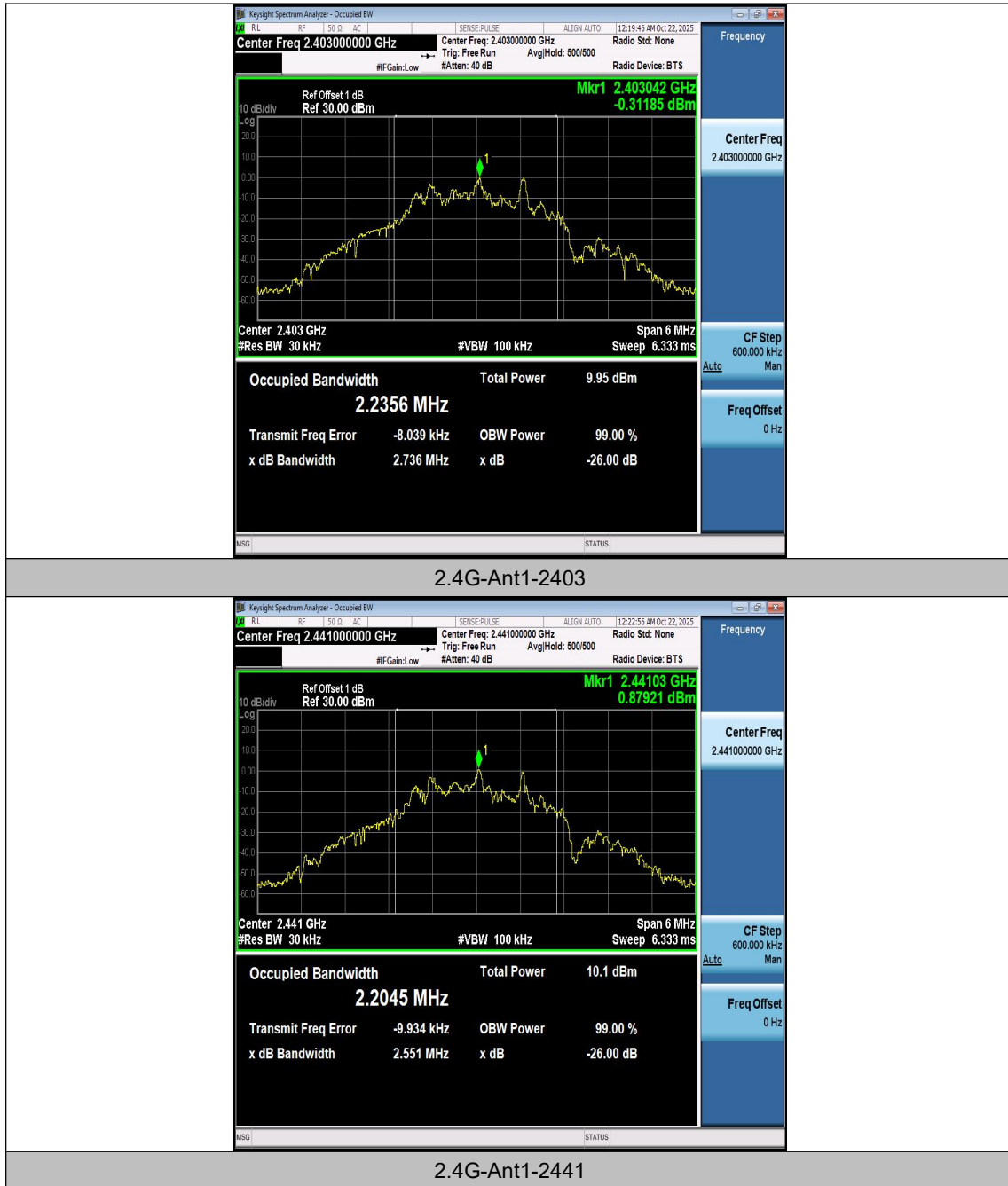
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.2356	2401.8742	2404.1098	---	---
2.4G	Ant1	2441	2.2045	2439.8878	2442.0923	---	---
2.4G	Ant1	2480	2.2047	2478.8974	2481.1021	---	---

Test Graphs



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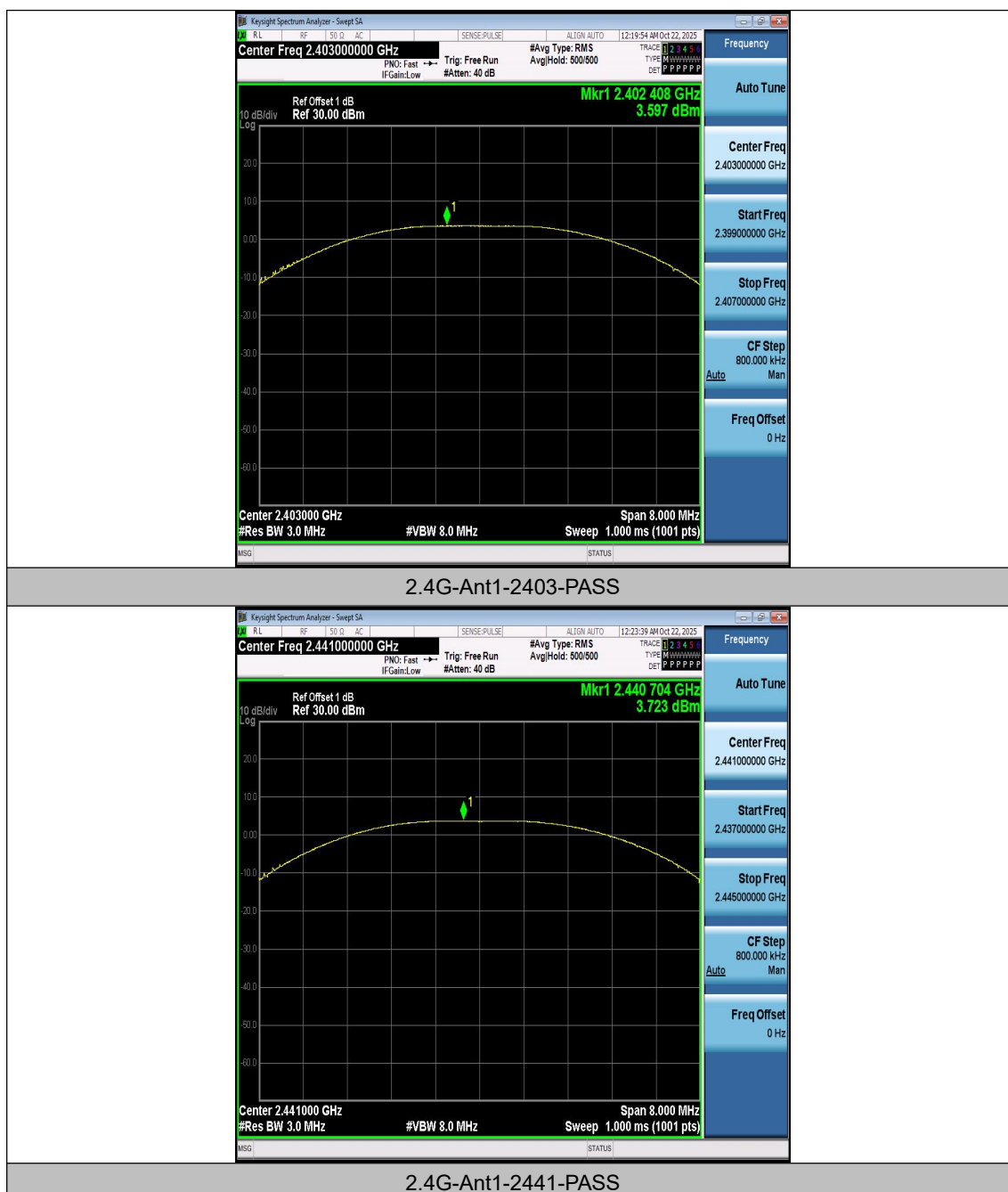
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Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	3.60	≤30	PASS
2.4G	Ant1	2441	3.72	≤30	PASS
2.4G	Ant1	2480	3.94	≤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	1.992	>1.456	PASS

Test Graphs



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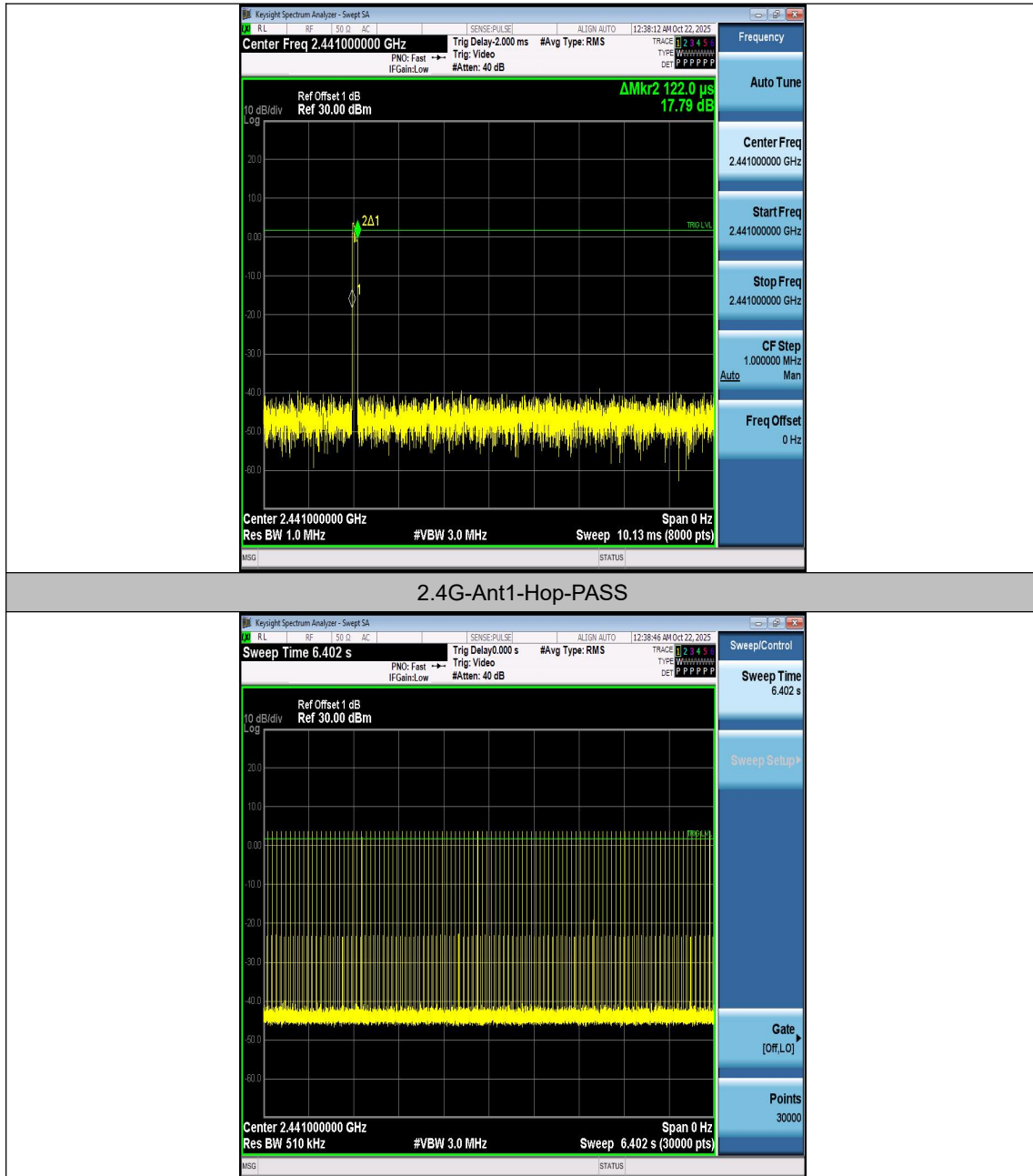
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Appendix E: Dwell Time

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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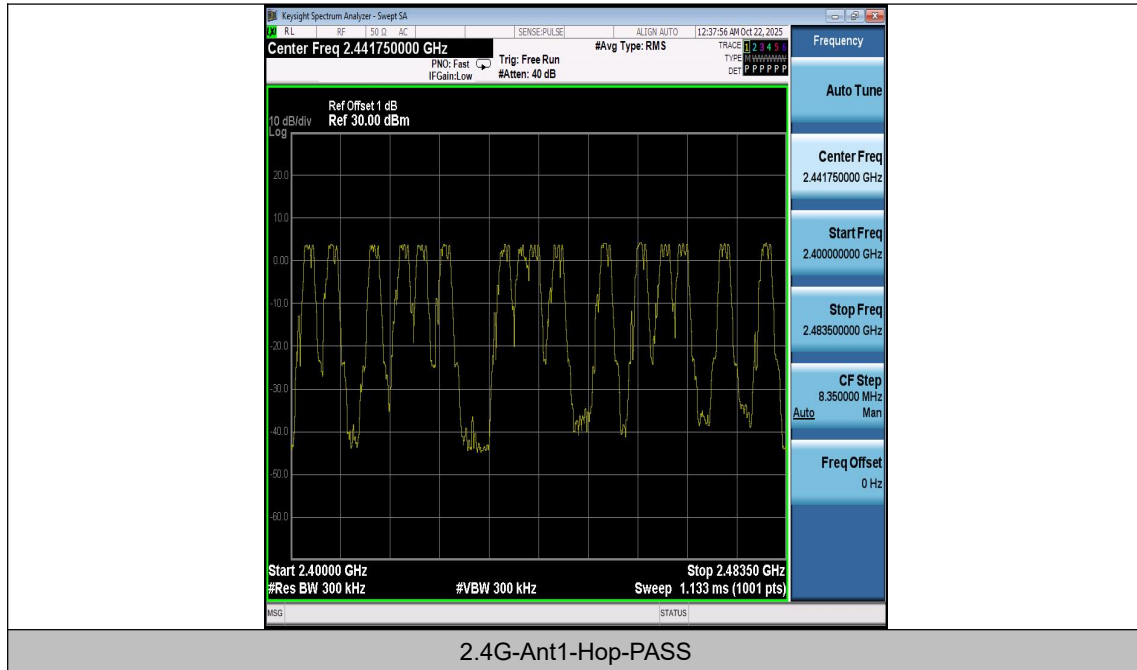
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Appendix F: Number of Hopping Channel

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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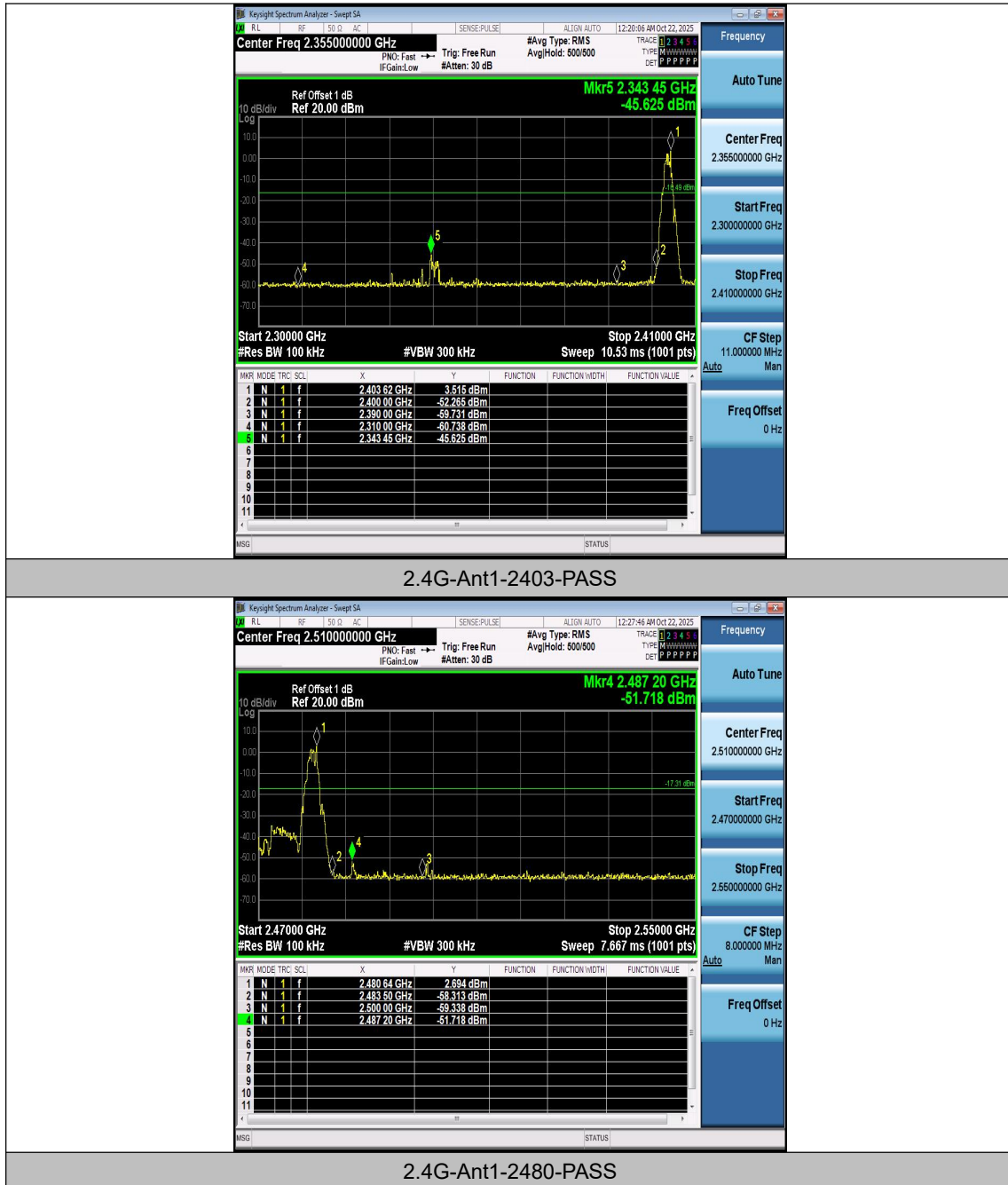
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	3.52	-45.63	≤-16.49	PASS
2.4G	Ant1	High	2480	2.69	-51.72	≤-17.31	PASS
2.4G	Ant1	Low	Hop	3.11	-49.56	≤-16.89	PASS
2.4G	Ant1	High	Hop	3.92	-45.3	≤-16.08	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.

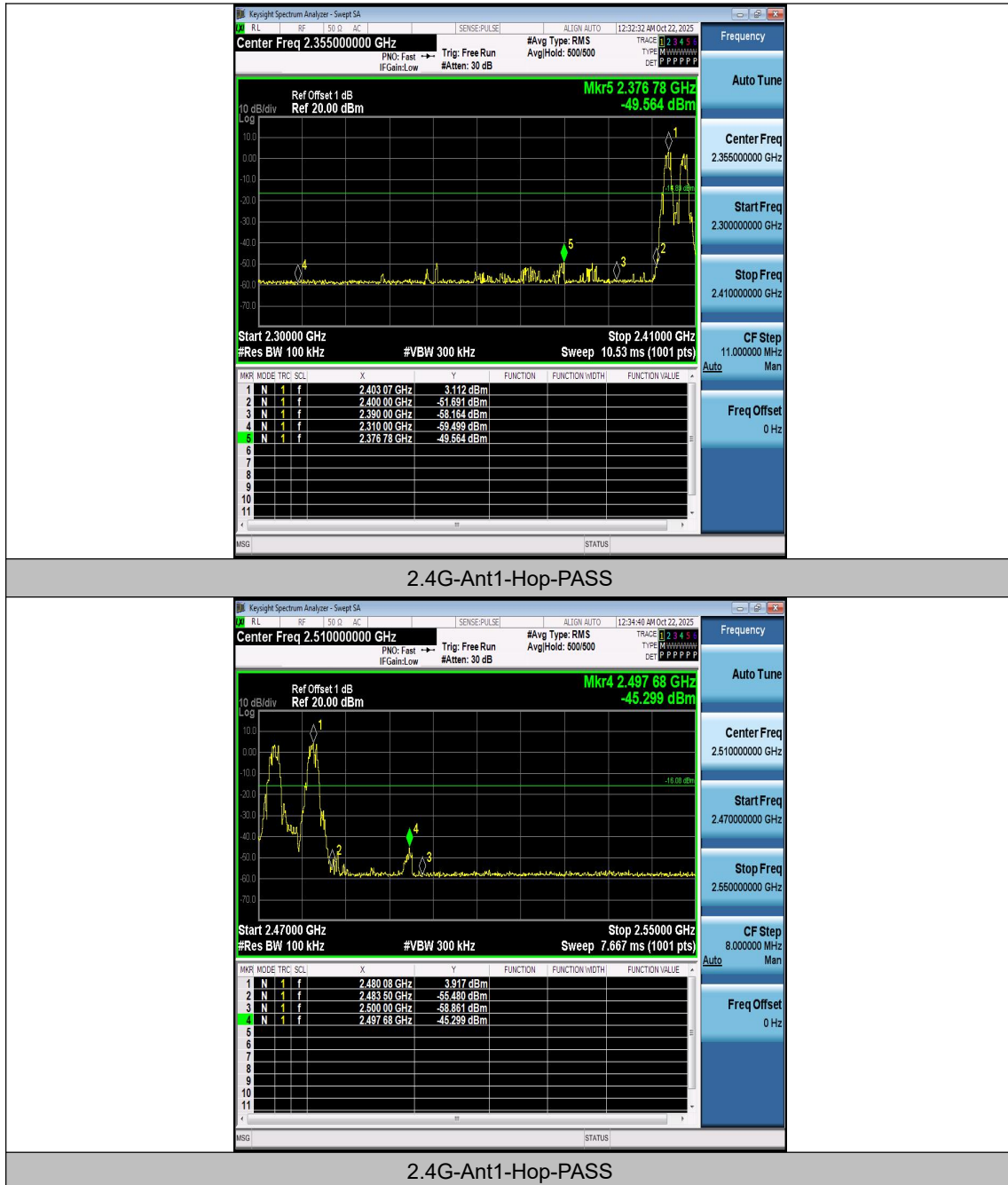
Test Graphs



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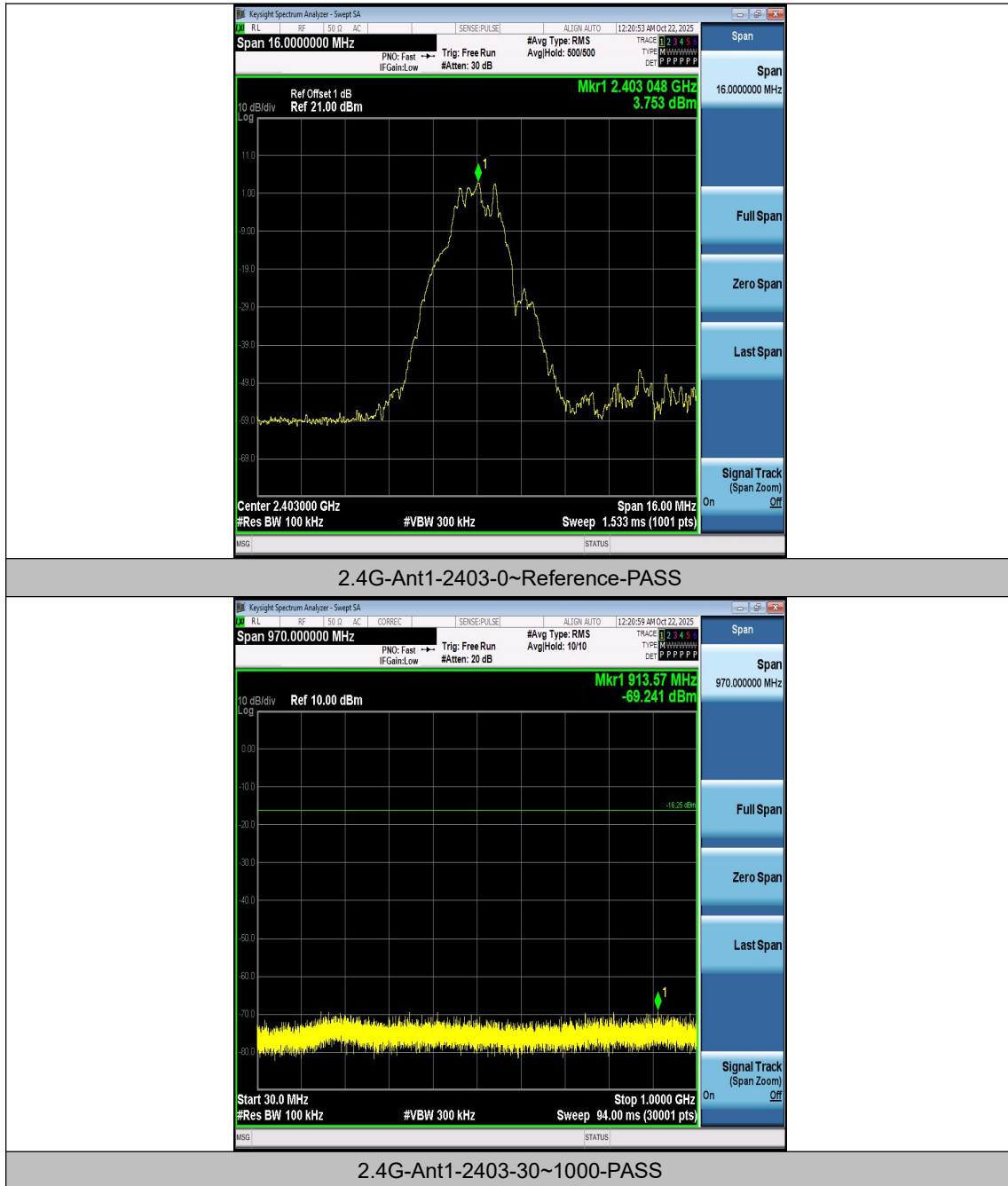
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	0~Reference	3.75	3.75	---	PASS
2.4G	Ant1	2403	30~1000	3.75	-69.24	≤-16.25	PASS
2.4G	Ant1	2403	1000~26500	3.75	-31.86	≤-16.25	PASS
2.4G	Ant1	2441	0~Reference	3.89	3.89	---	PASS
2.4G	Ant1	2441	30~1000	3.89	-68.99	≤-16.11	PASS
2.4G	Ant1	2441	1000~26500	3.89	-39.12	≤-16.11	PASS
2.4G	Ant1	2480	0~Reference	4.16	4.16	---	PASS
2.4G	Ant1	2480	30~1000	4.16	-68.71	≤-15.84	PASS
2.4G	Ant1	2480	1000~26500	4.16	-31.99	≤-15.84	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

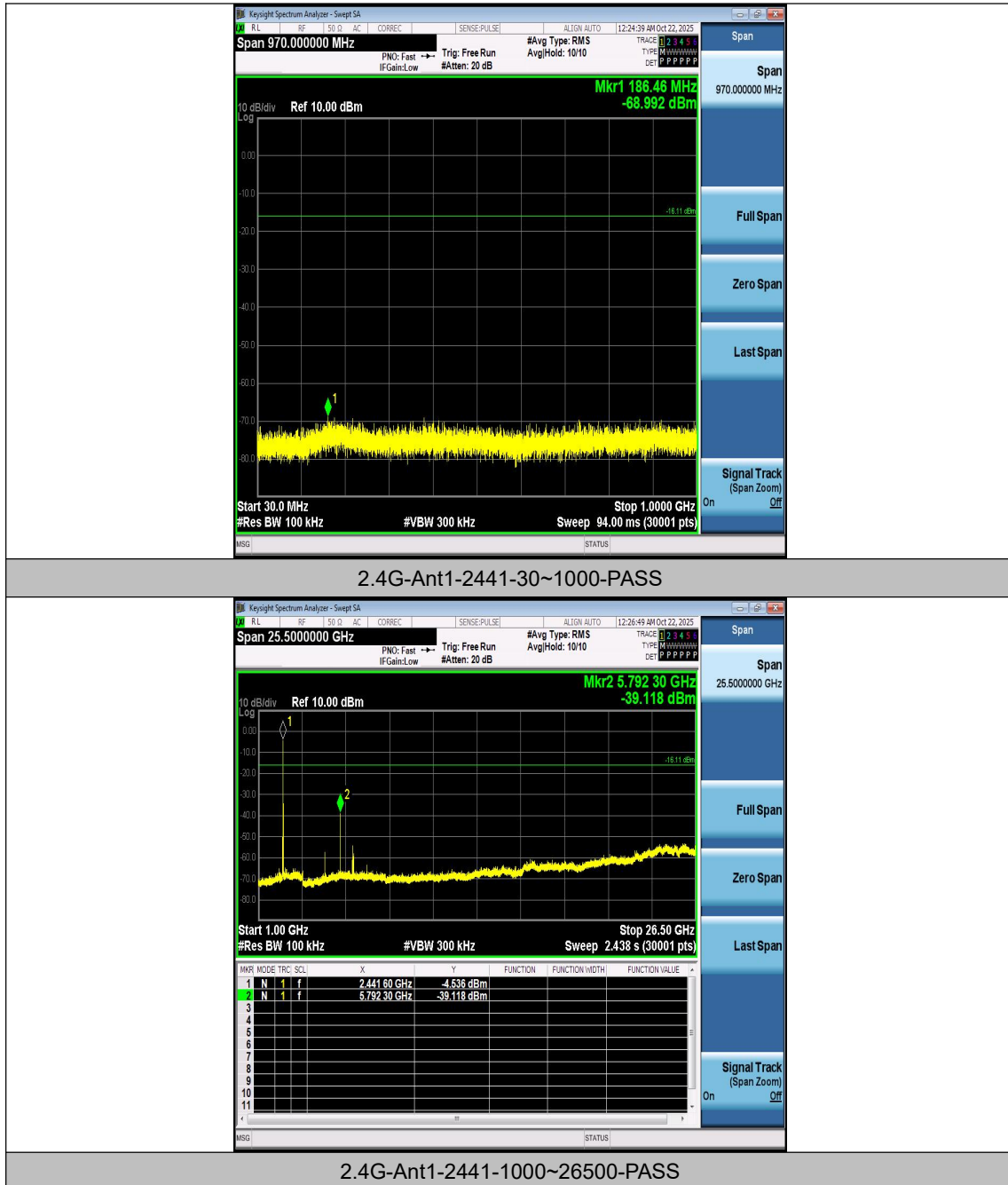


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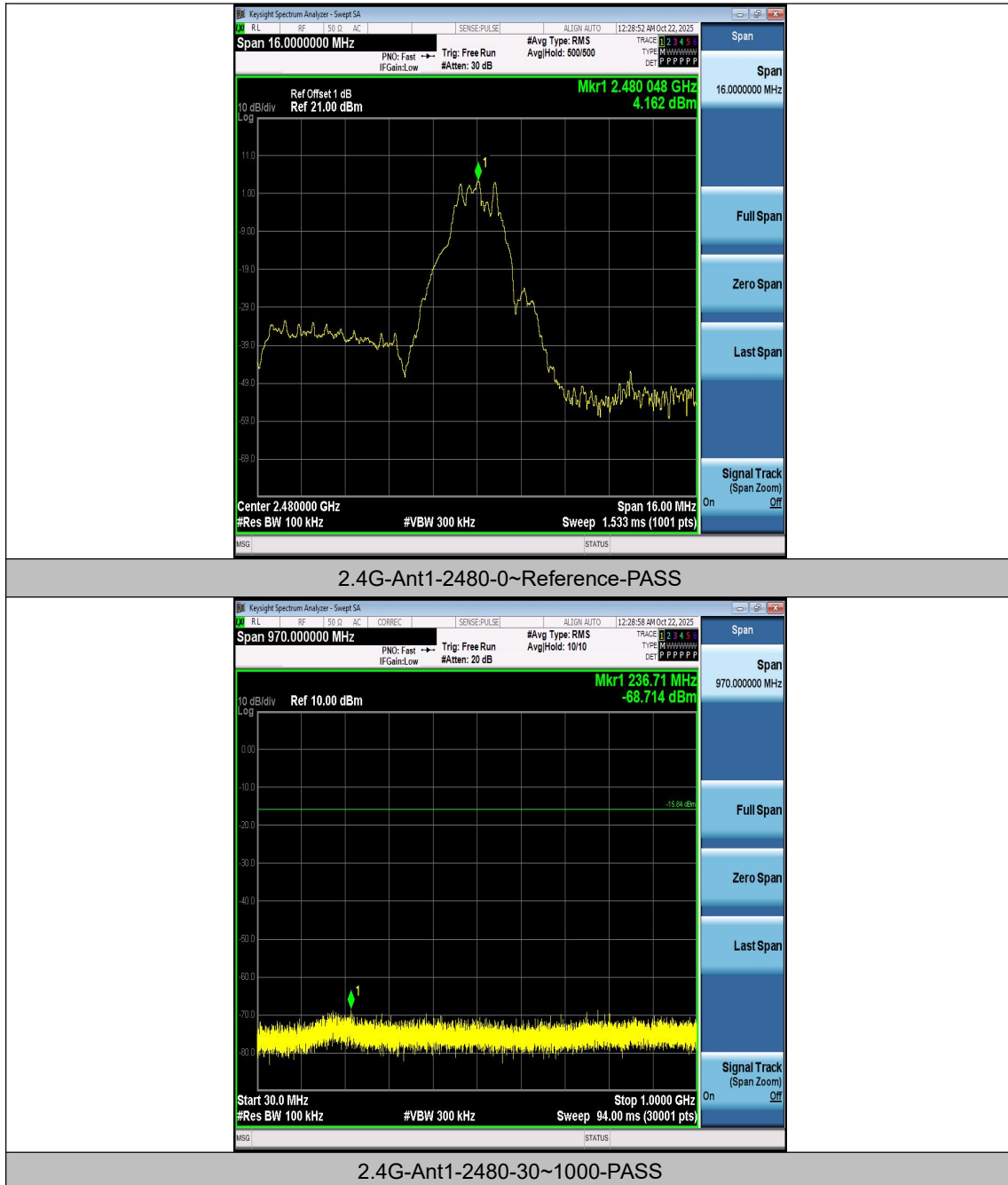




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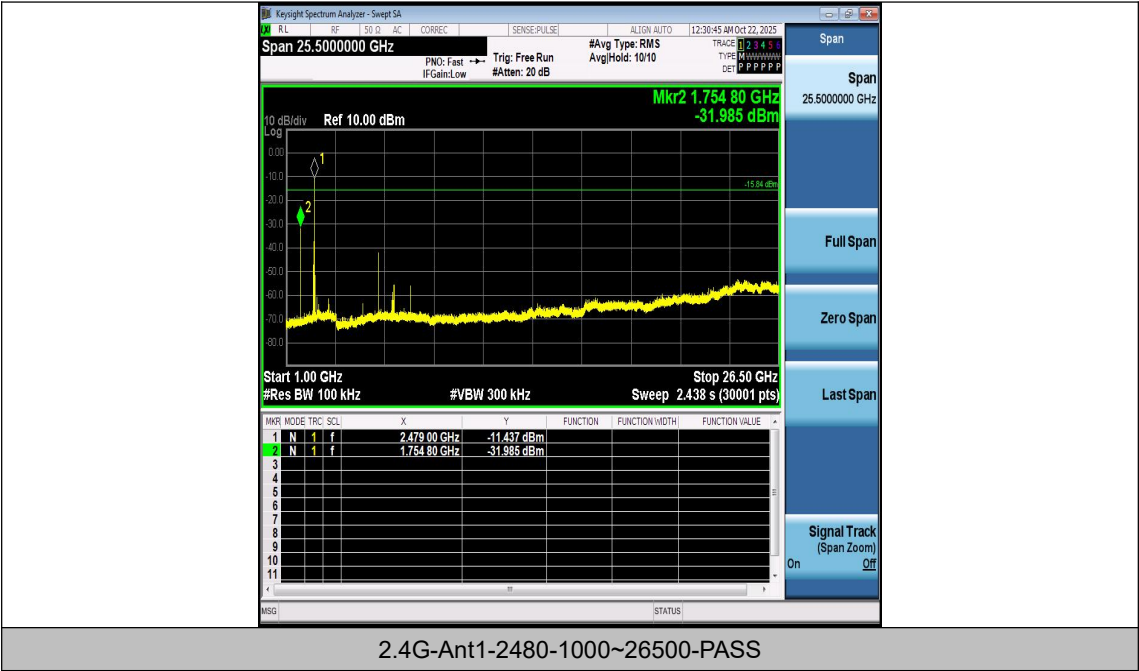
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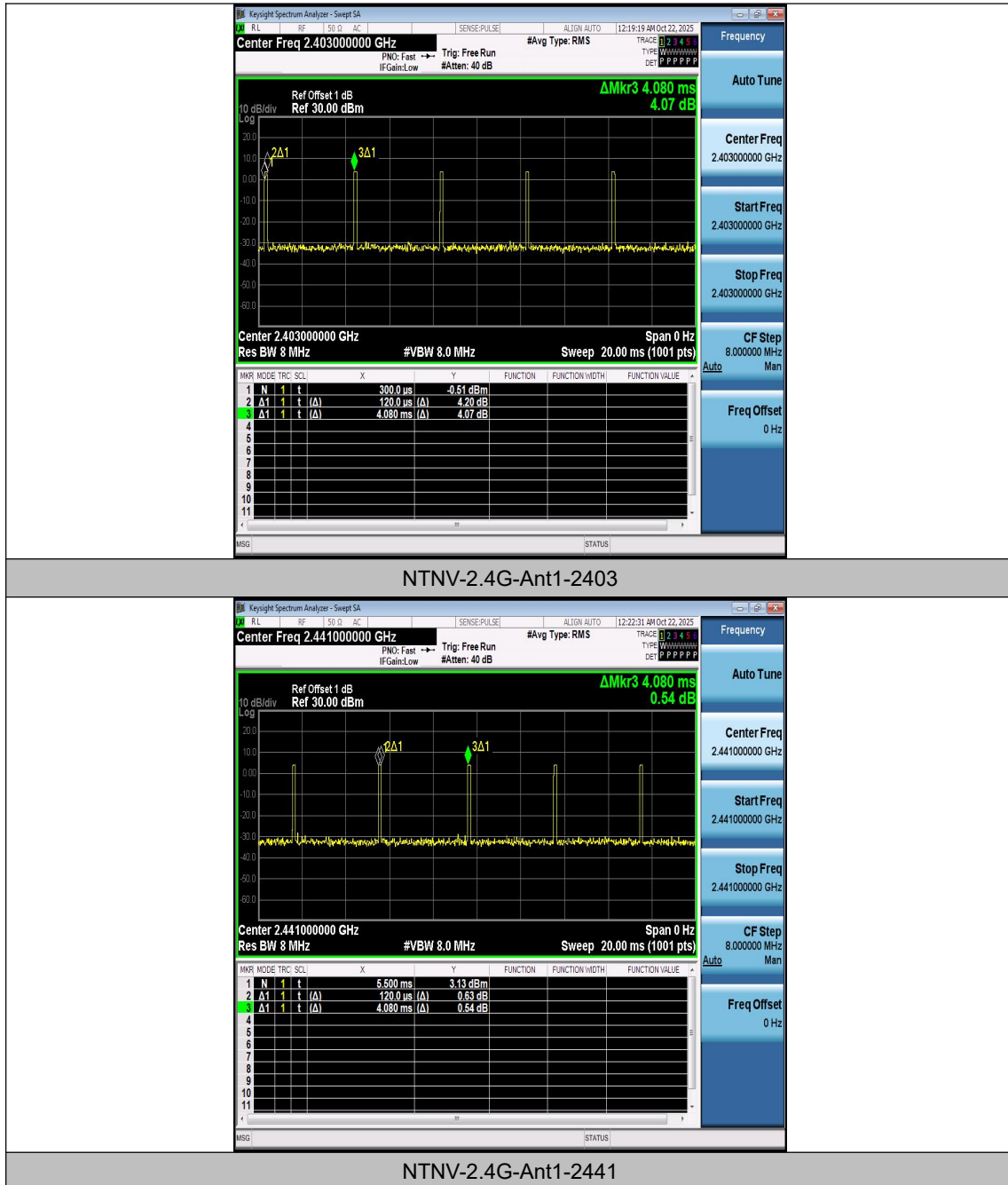
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Appendix I: Duty Cycle

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	3.98	3.02	15.20

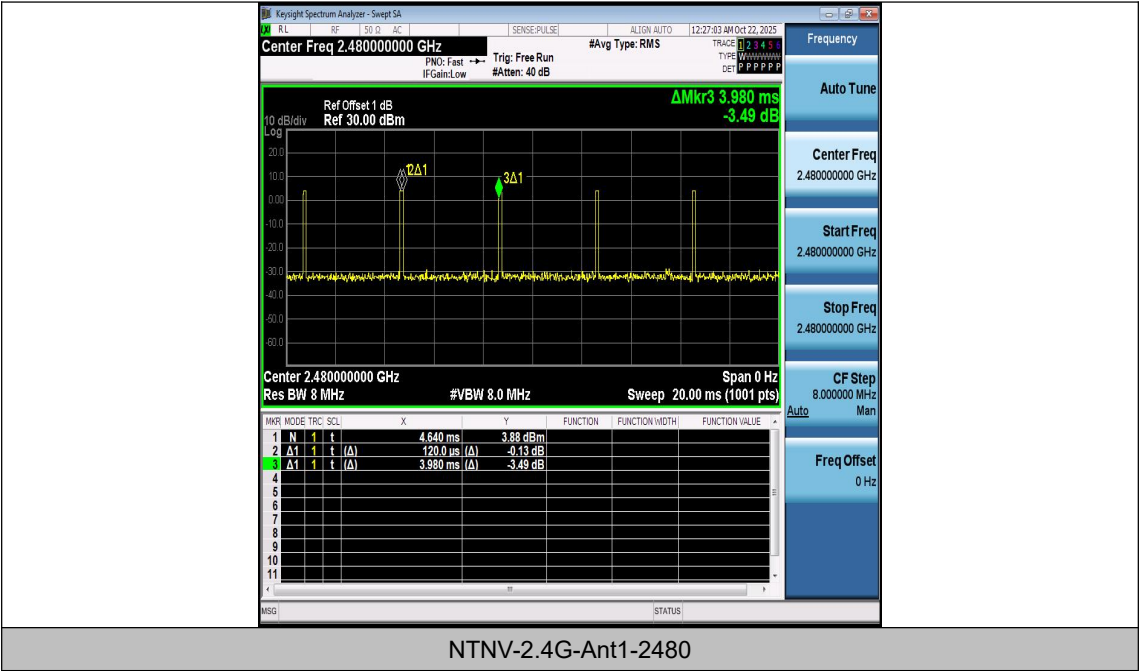
Test Graphs



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NTNV-2.4G-Ant1-2480

---End---