

Appendix Test Data

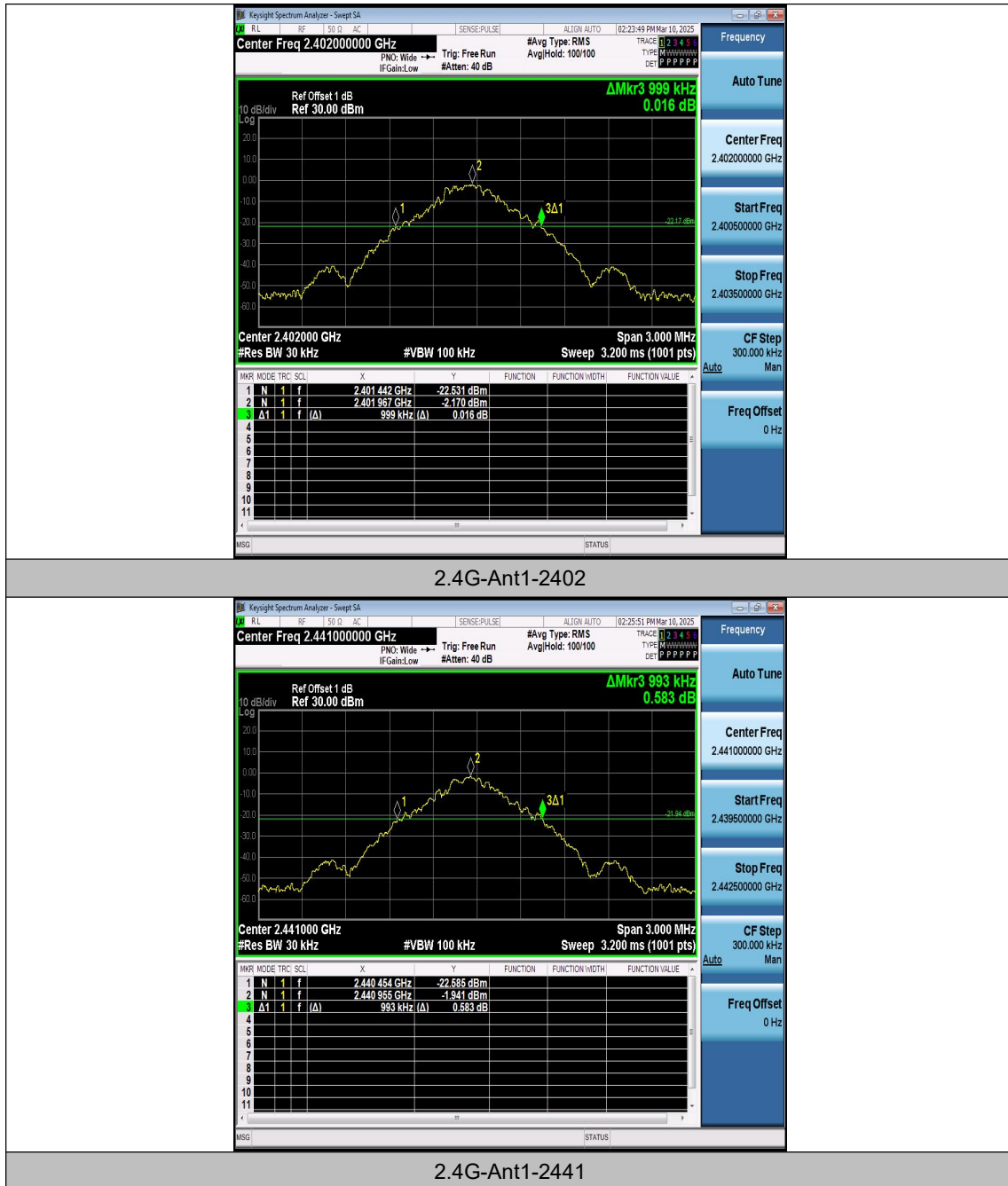
Report No.:	1812C50058212502	Test Sample No.:	1-2-2
Start Test Date:	2025.02.28	Finish Test Date:	2025.03.10
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	22.3°C	Relative Humidity:	56%
Pressure:	101kPa		

Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402	0.999	2401.442	2402.441	---	---
2.4G	Ant1	2441	0.993	2440.454	2441.447	---	---
2.4G	Ant1	2480	0.969	2479.484	2480.453	---	---

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	2402	0.87570	2401.5134	2402.3891	---	---
2.4G	Ant1	2441	0.88449	2440.5156	2441.4001	---	---
2.4G	Ant1	2480	0.90026	2479.5072	2480.4074	---	---

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Test Graphs



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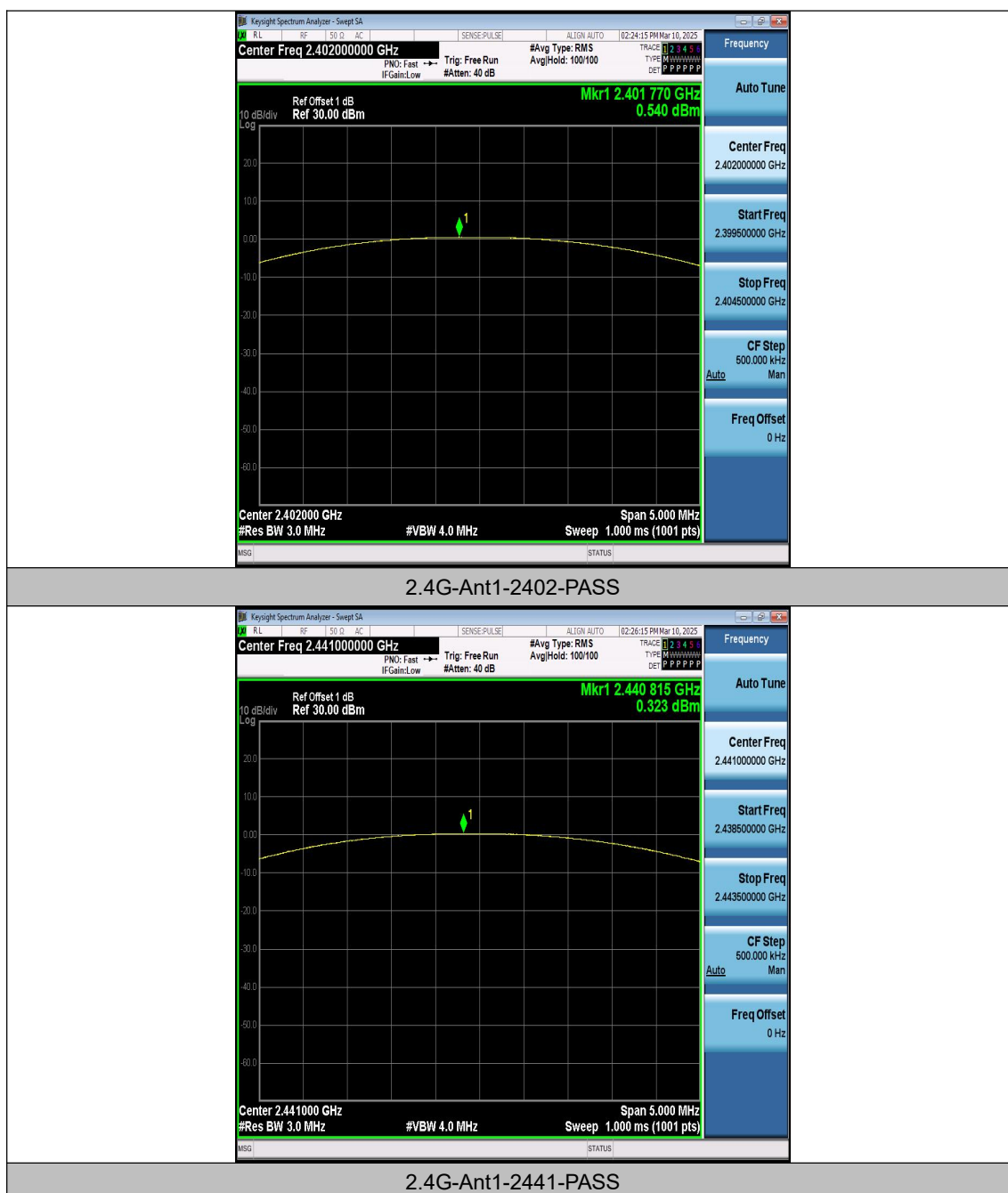
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Appendix C: Maximum Conducted Output Power

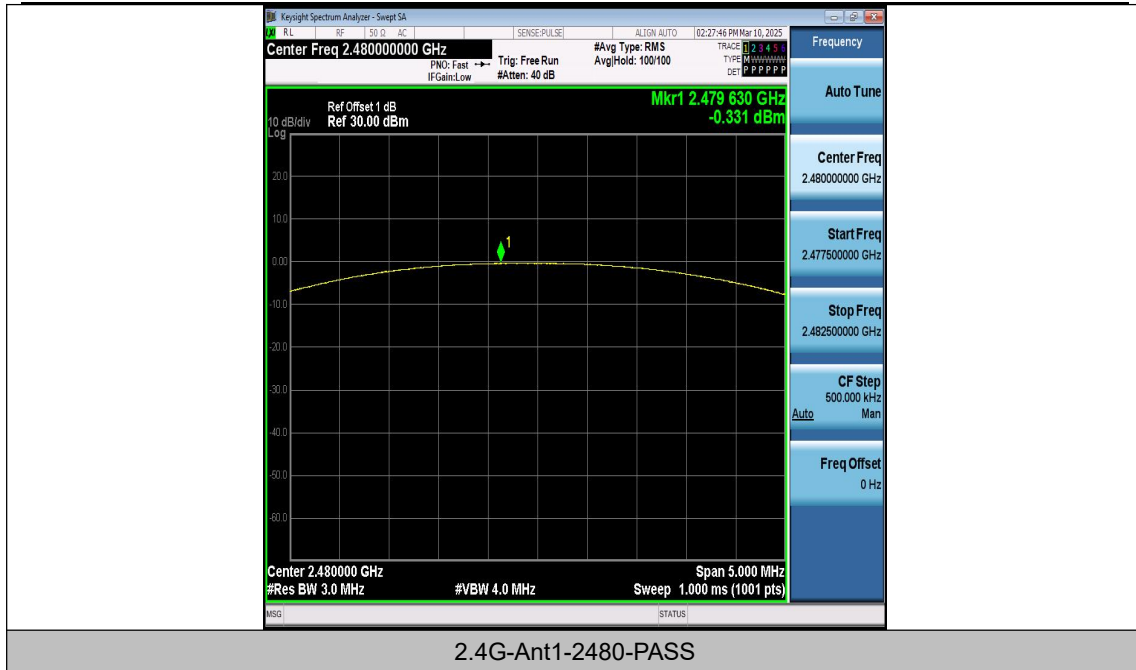
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2402	0.54	≤30	PASS
2.4G	Ant1	2441	0.32	≤30	PASS
2.4G	Ant1	2480	-0.33	≤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	1.314	≥0.999	PASS

Test Graphs

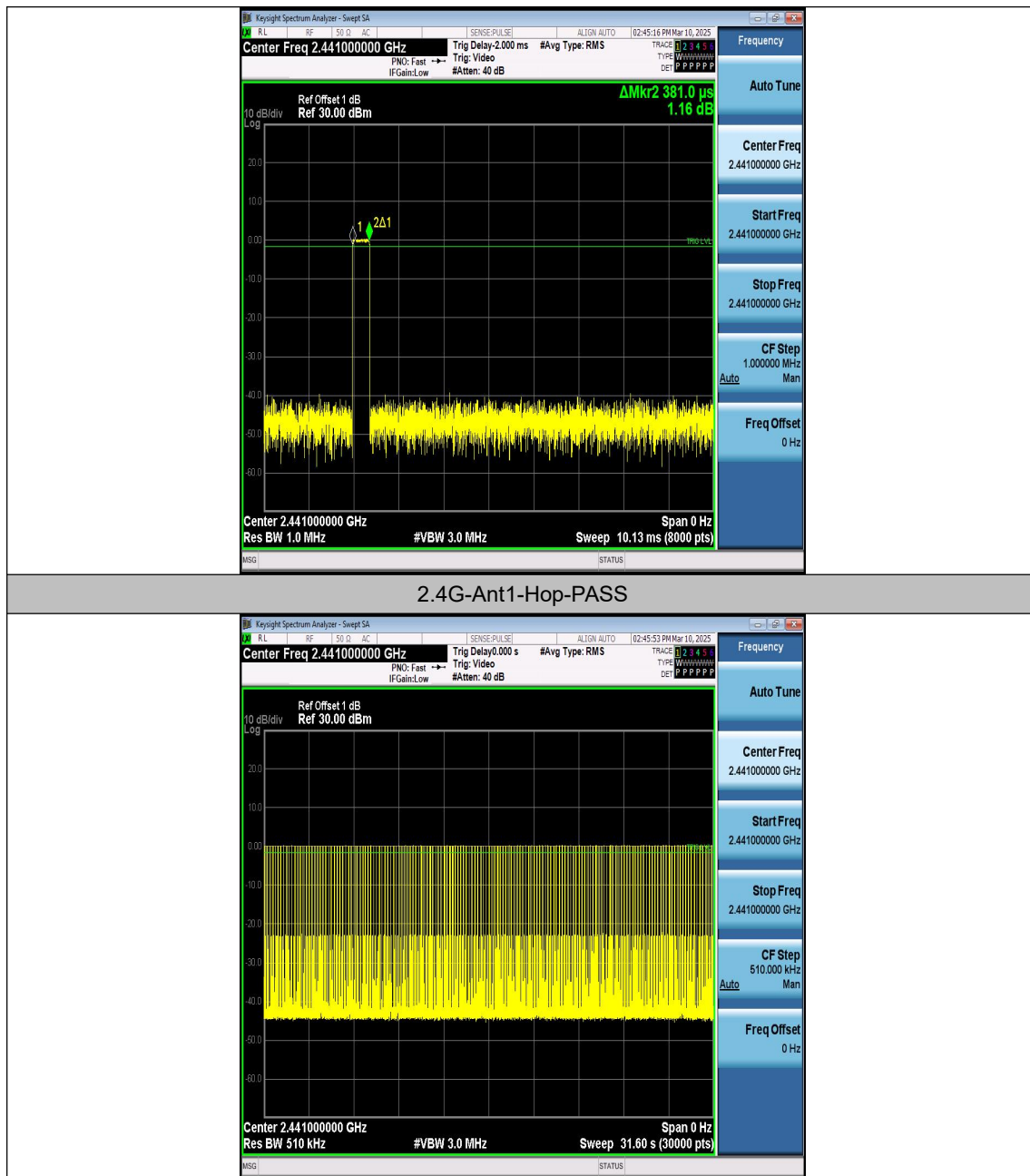


Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	0.381	316	0.12	≤0.4	PASS

Test Graphs



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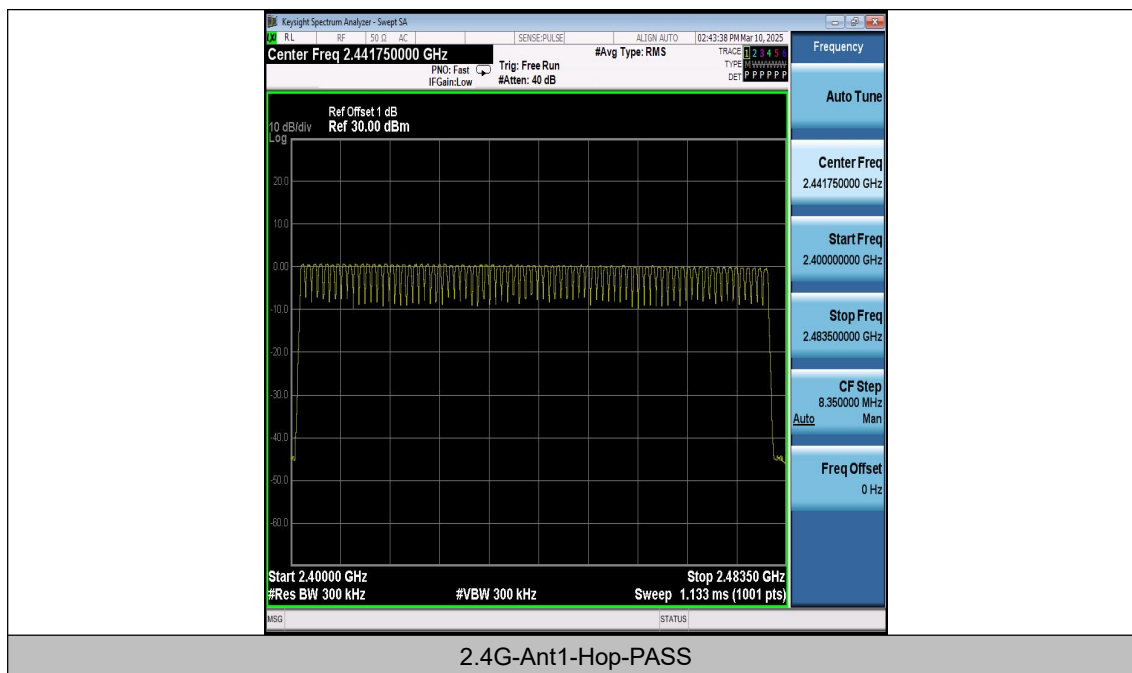
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Appendix F: Number of Hopping Channel

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [Num]	Limit [Num]	Verdict
2.4G	Ant1	Hop	79	≥75	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	2402	0.35	-55.8	≤-19.65	PASS
2.4G	Ant1	High	2480	-0.83	-55.91	≤-20.83	PASS
2.4G	Ant1	Low	Hop_2402	0.29	-50.74	≤-19.71	PASS
2.4G	Ant1	High	Hop_2480	-0.54	-56.51	≤-20.54	PASS

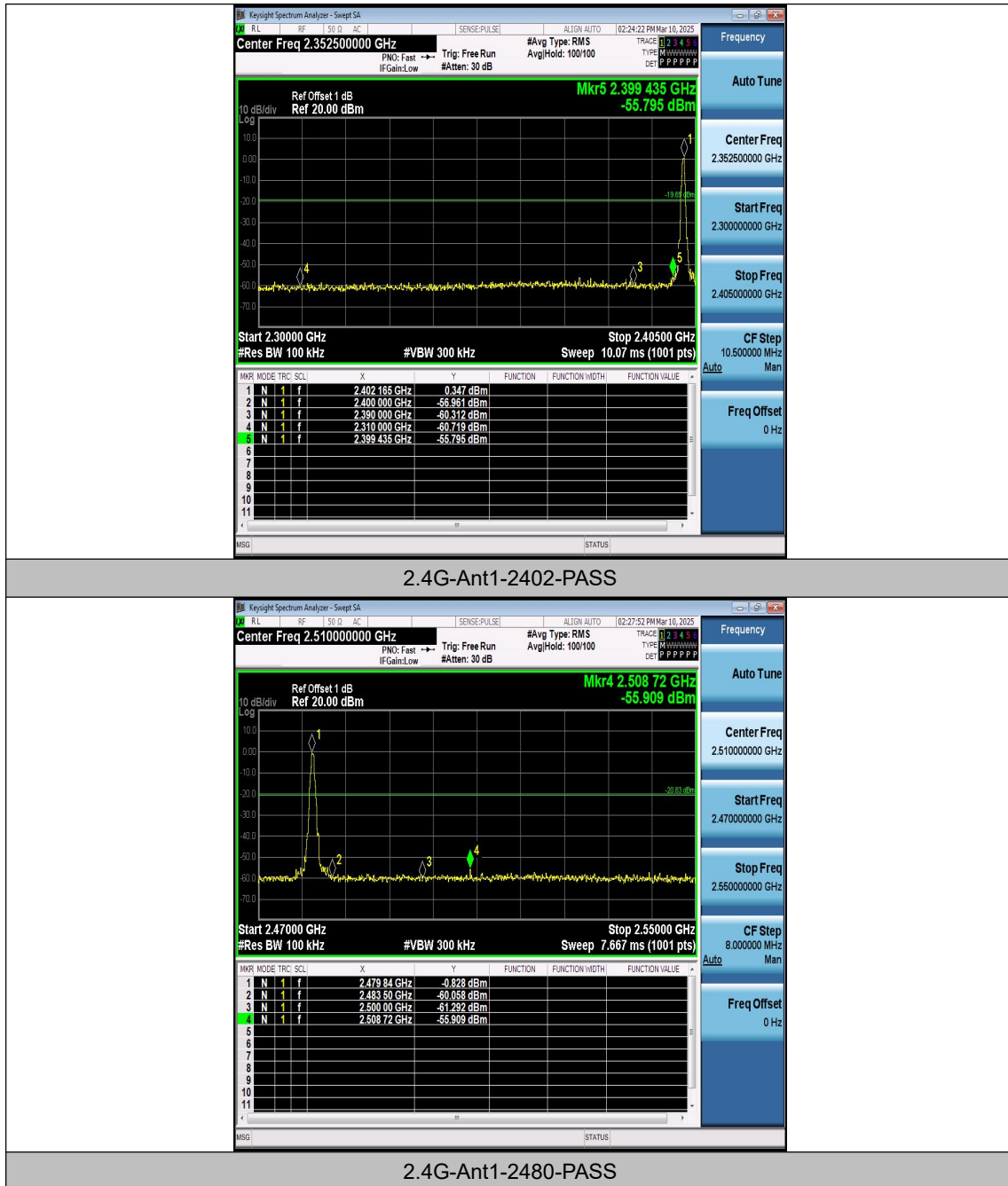
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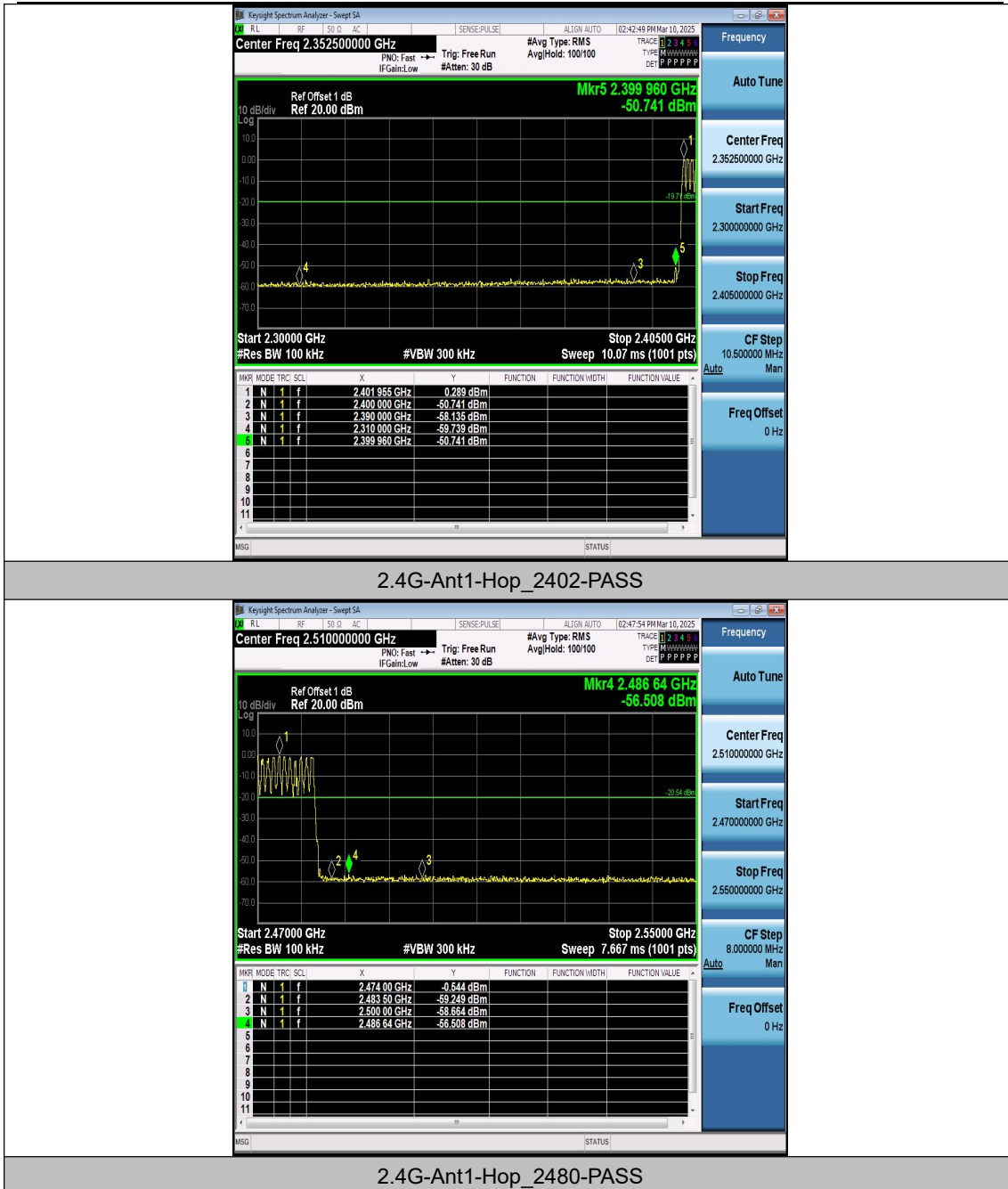
Test Graphs



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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	2402	0~Reference	-0.19	-0.19	---	PASS
2.4G	Ant1	2402	30~1000	-0.19	-69.16	≤-20.19	PASS
2.4G	Ant1	2402	1000~26500	-0.19	-44.05	≤-20.19	PASS
2.4G	Ant1	2441	0~Reference	0.07	0.07	---	PASS
2.4G	Ant1	2441	30~1000	0.07	-69.48	≤-19.93	PASS
2.4G	Ant1	2441	1000~26500	0.07	-44.96	≤-19.93	PASS
2.4G	Ant1	2480	0~Reference	-0.69	-0.69	---	PASS
2.4G	Ant1	2480	30~1000	-0.69	-68.96	≤-20.69	PASS
2.4G	Ant1	2480	1000~26500	-0.69	-42.51	≤-20.69	PASS

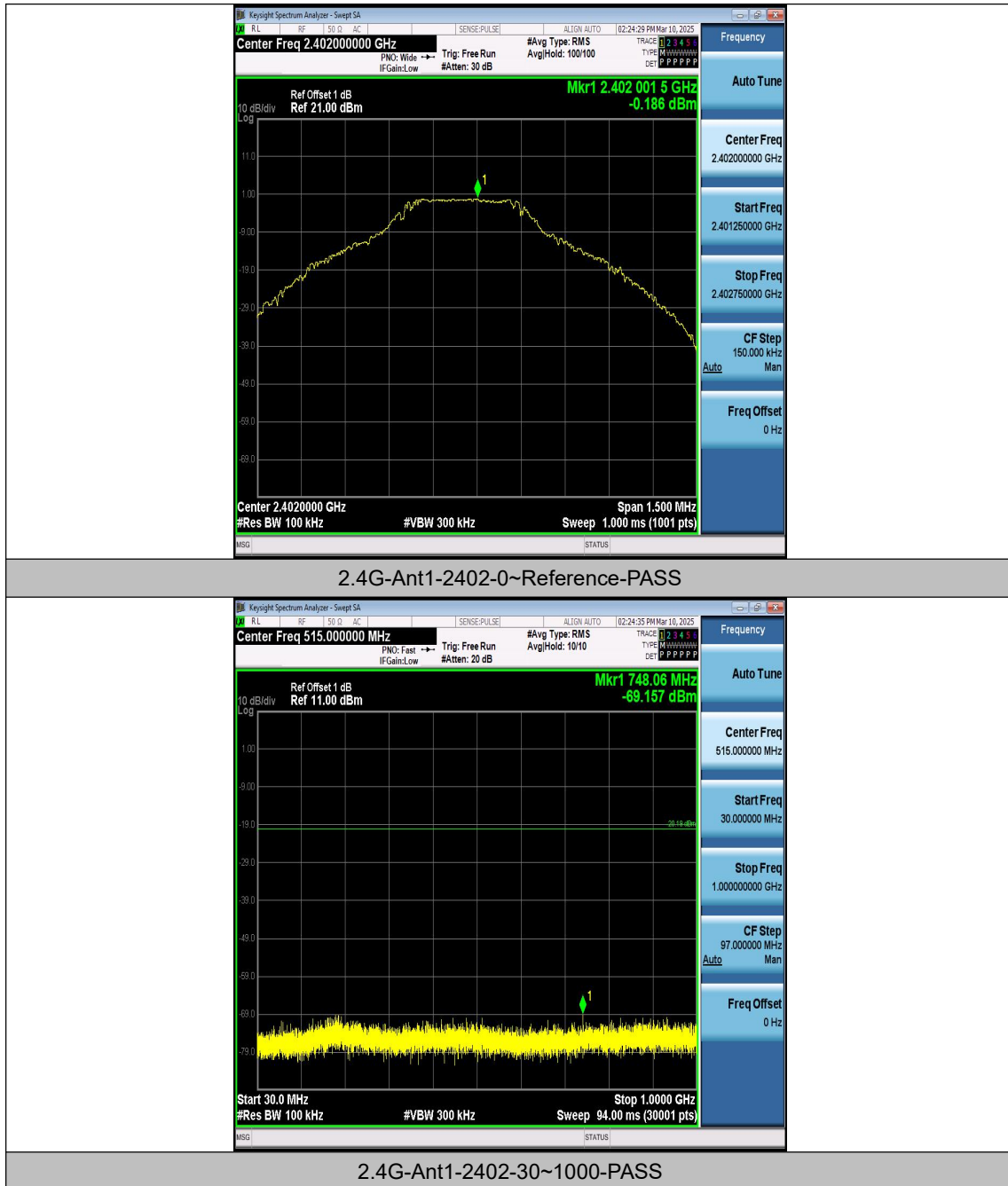
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Test Graphs



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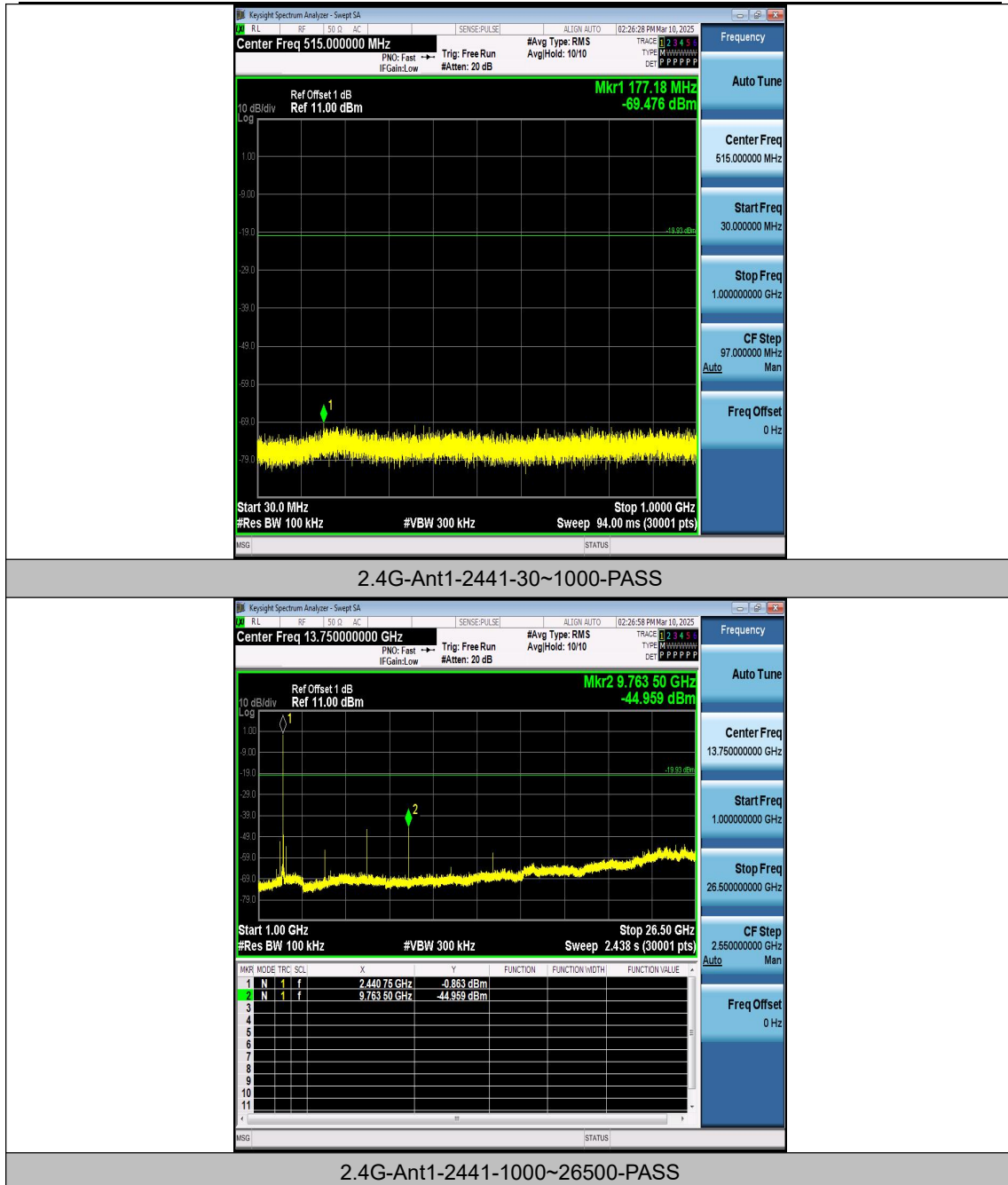


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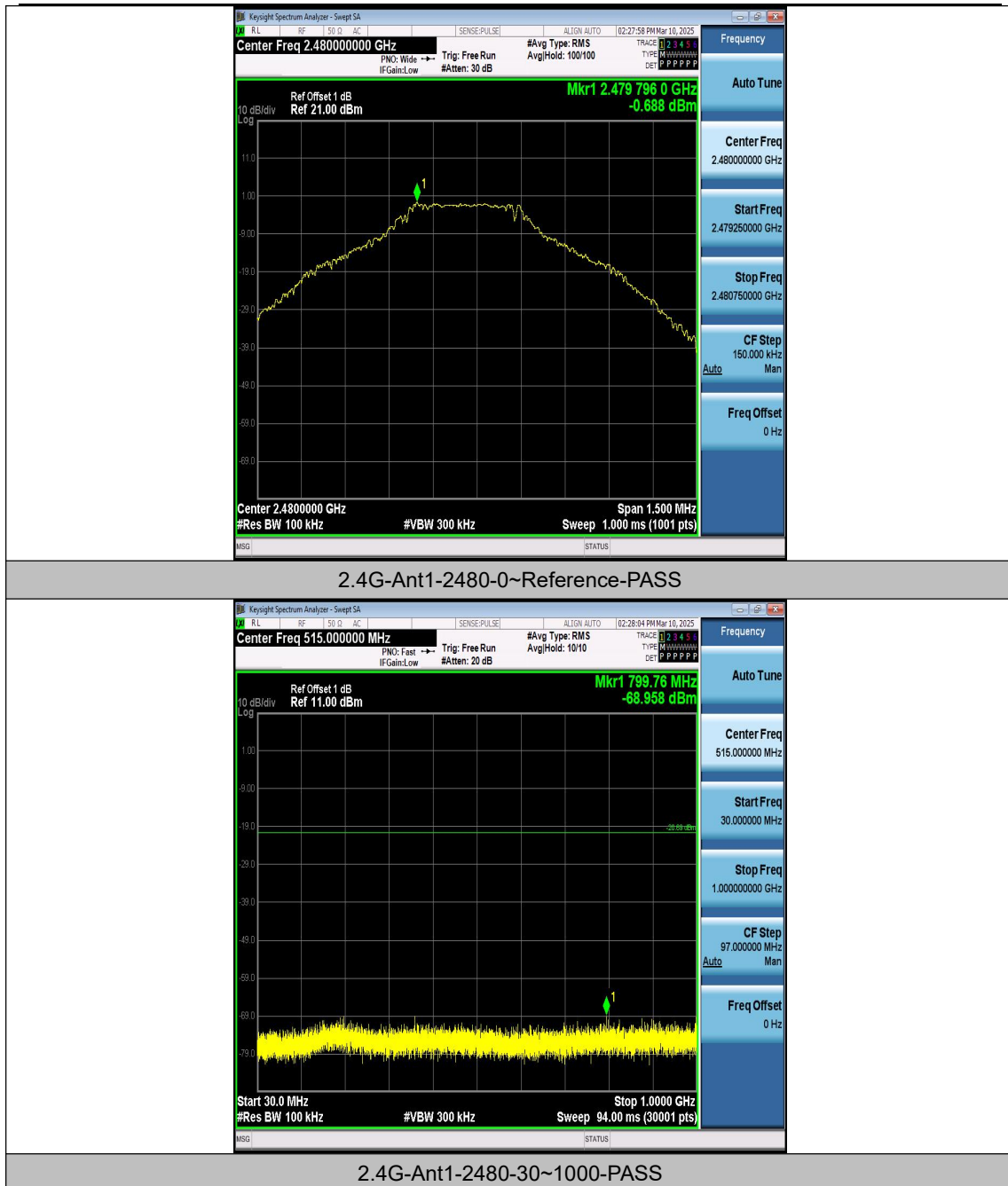


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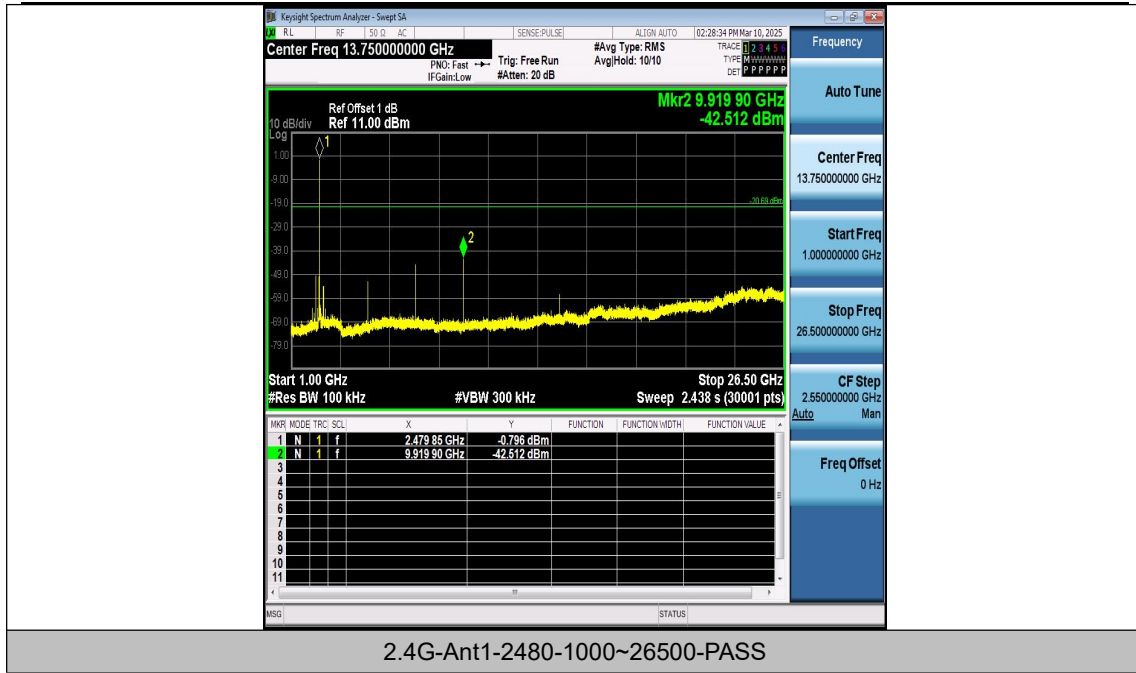


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2.4G-Ant1-2480-1000~26500-PASS

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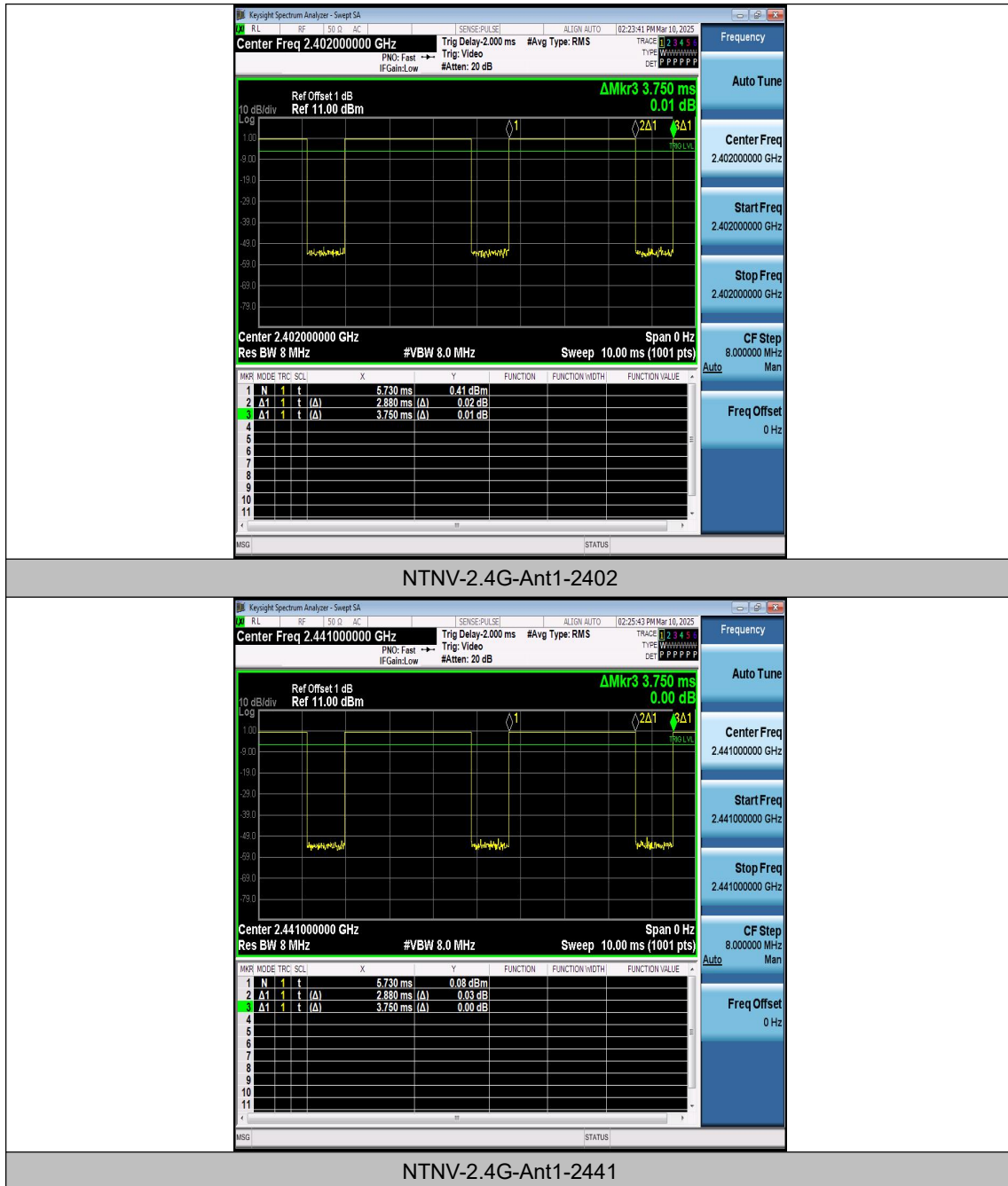
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Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2402	2.88	3.75	76.80	1.15
2.4G	Ant1	2441	2.88	3.75	76.80	1.15
2.4G	Ant1	2480	2.89	3.75	77.07	1.13

Test Graphs

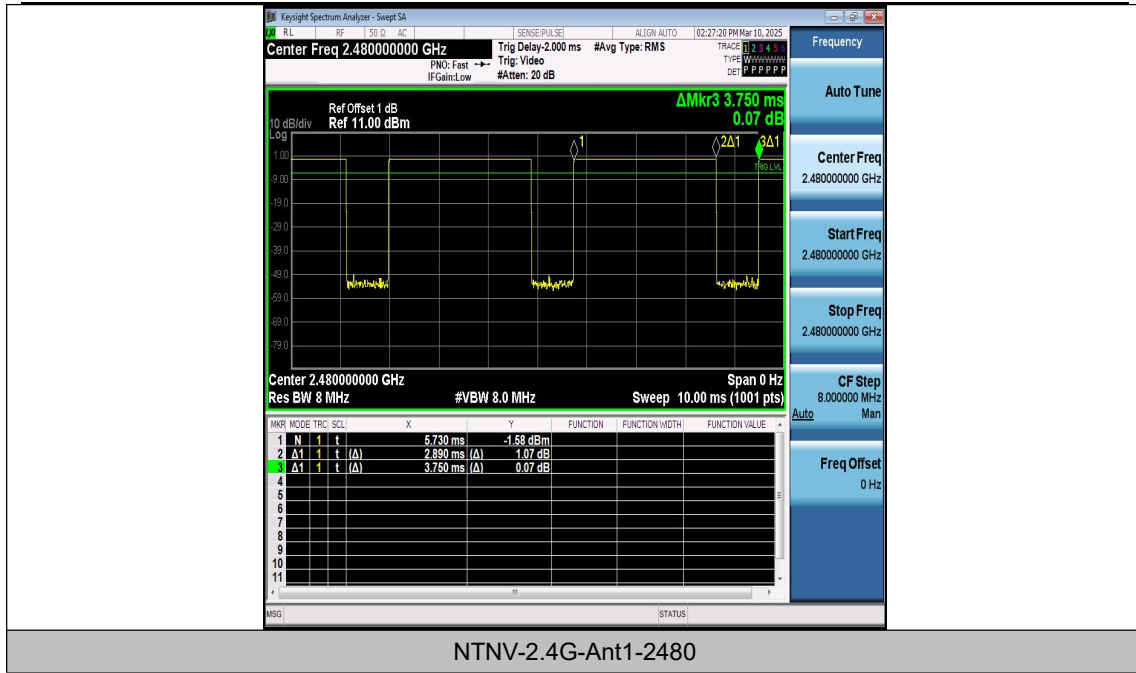


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