

Appendix Test Data

Report No.:	1812C40097912502	Test Sample No.:	1-2-2
Start Test Date:	2024.10.16	Finish Test Date:	2024.11.08
Test Engineer:	<i>Foker Huang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.5°C	Relative Humidity:	53%
Pressure:	101kPa		

Appendix A: 20dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.120	2402.010	2404.130	---	---
2.4G	Ant1	2441	2.120	2440.010	2442.130	---	---
2.4G	Ant1	2480	2.110	2479.015	2481.125	---	---



Test Graphs



2.4G-Ant1-2403



2.4G-Ant1-2441



2.4G-Ant1-2480

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Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.0581	2402.0341	2404.0922	---	---
2.4G	Ant1	2441	2.0672	2440.0332	2442.1004	---	---
2.4G	Ant1	2480	2.0619	2479.0351	2481.0970	---	---

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Test Graphs



2.4G-Ant1-2403



2.4G-Ant1-2441



2.4G-Ant1-2480

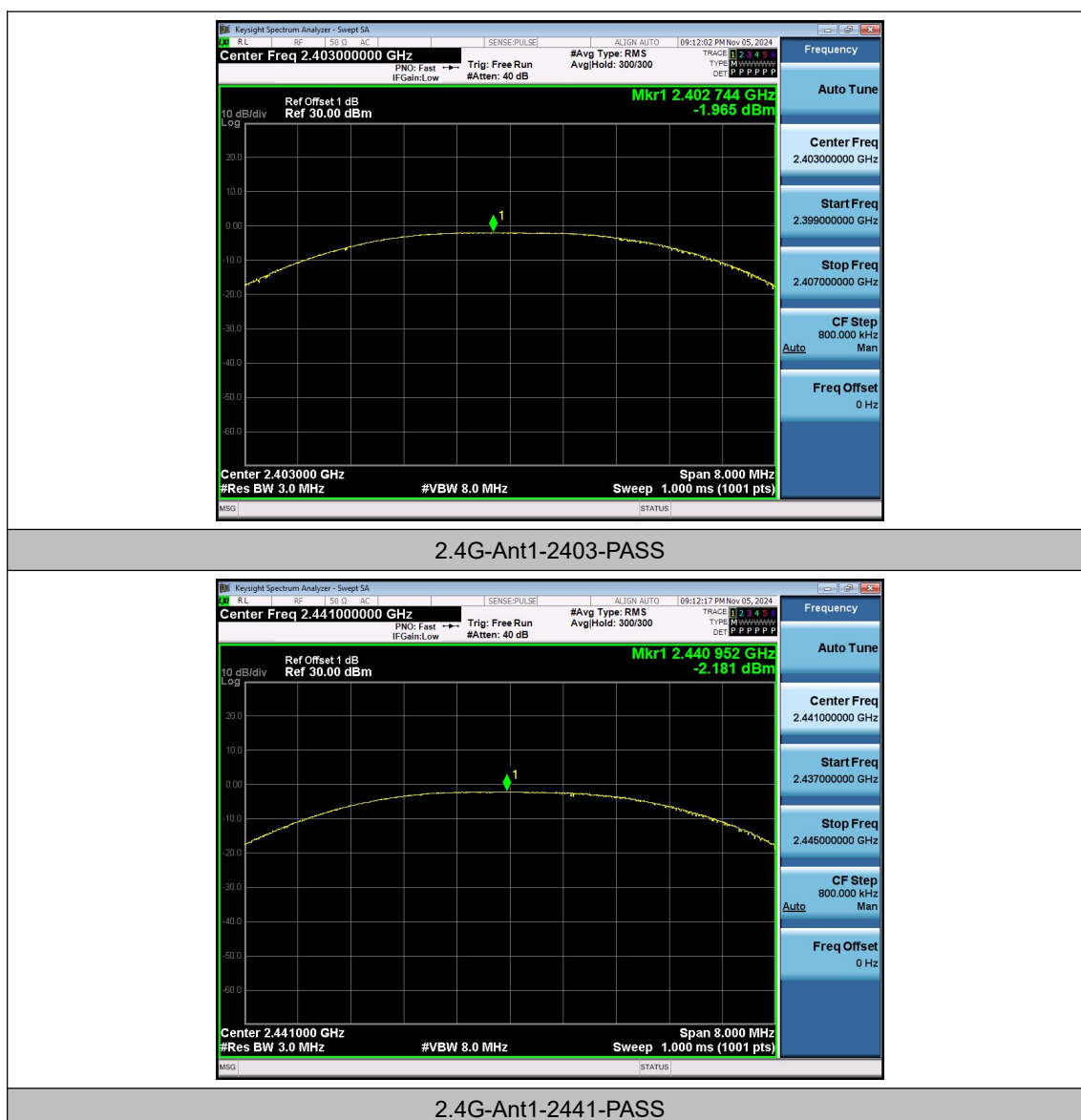


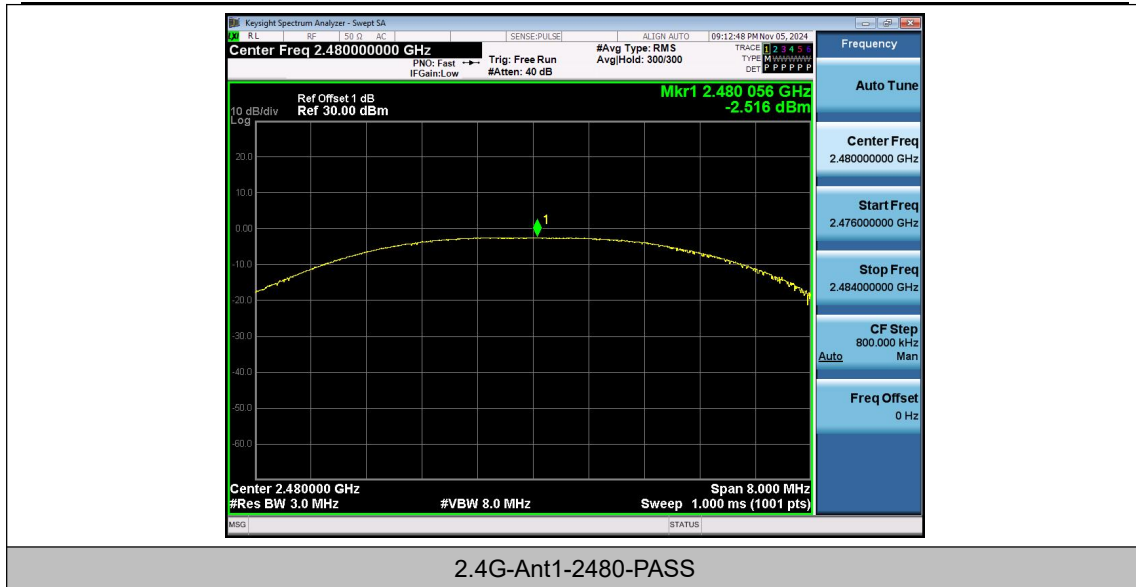
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	-1.97	≤20.97	PASS
2.4G	Ant1	2441	-2.18	≤20.97	PASS
2.4G	Ant1	2480	-2.52	≤20.97	PASS

Test Graphs





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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.032	≥1.413	PASS

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Test Graphs



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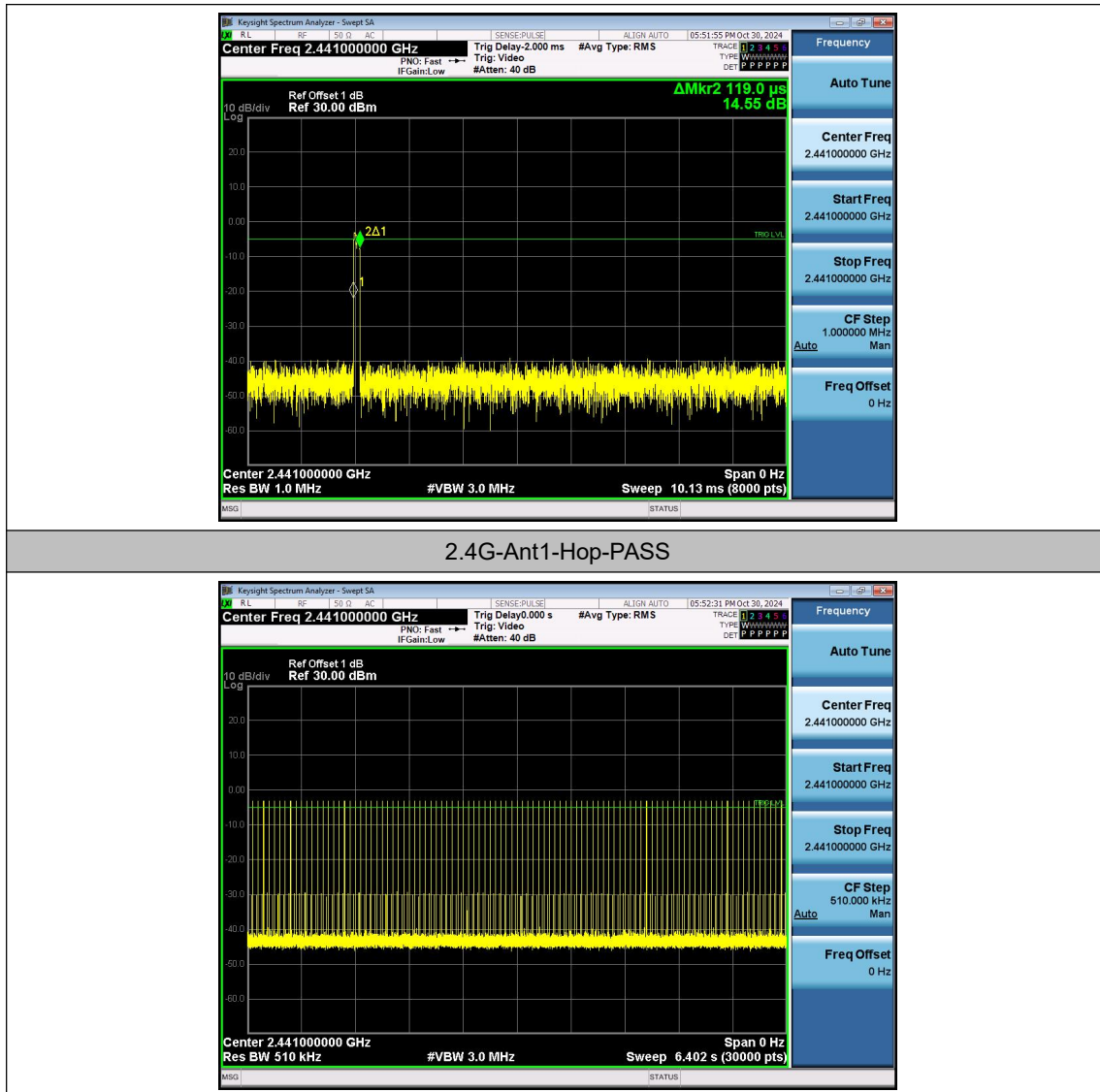
Appendix E: Dwell Time

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.119	100	0.012	≤0.4	PASS



Test Graphs



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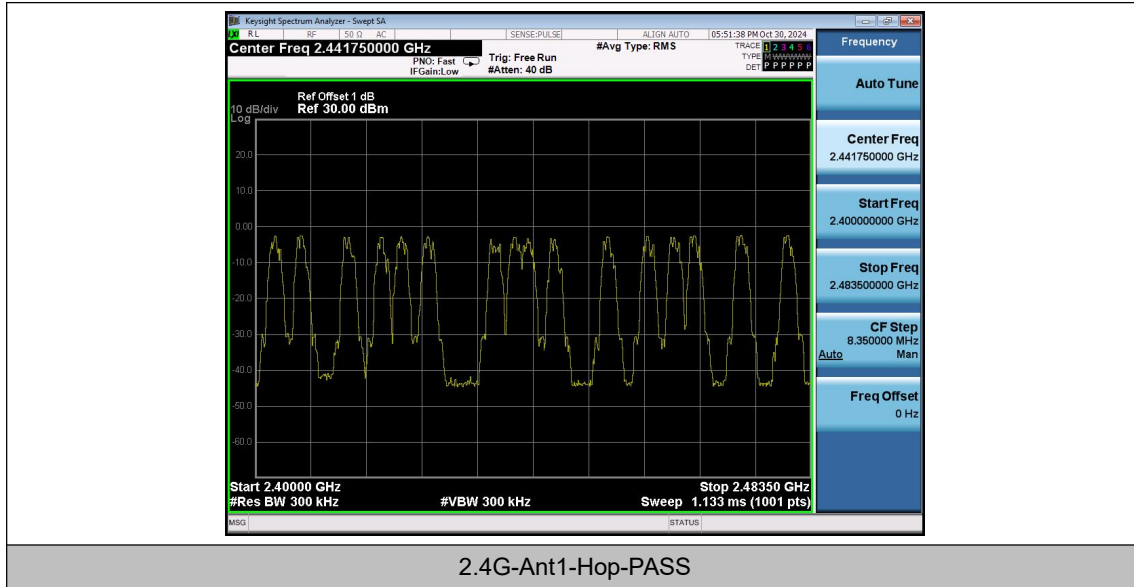
Appendix F: Number of Hopping Channel

Test Result

TestMode	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

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	-2.46	-56.22	≤-22.46	PASS
2.4G	Ant1	High	2480	-2.30	-55.31	≤-22.3	PASS
2.4G	Ant1	Low	Hop	-3.66	-43.08	≤-23.66	PASS
2.4G	Ant1	High	Hop	-2.58	-55.4	≤-22.58	PASS

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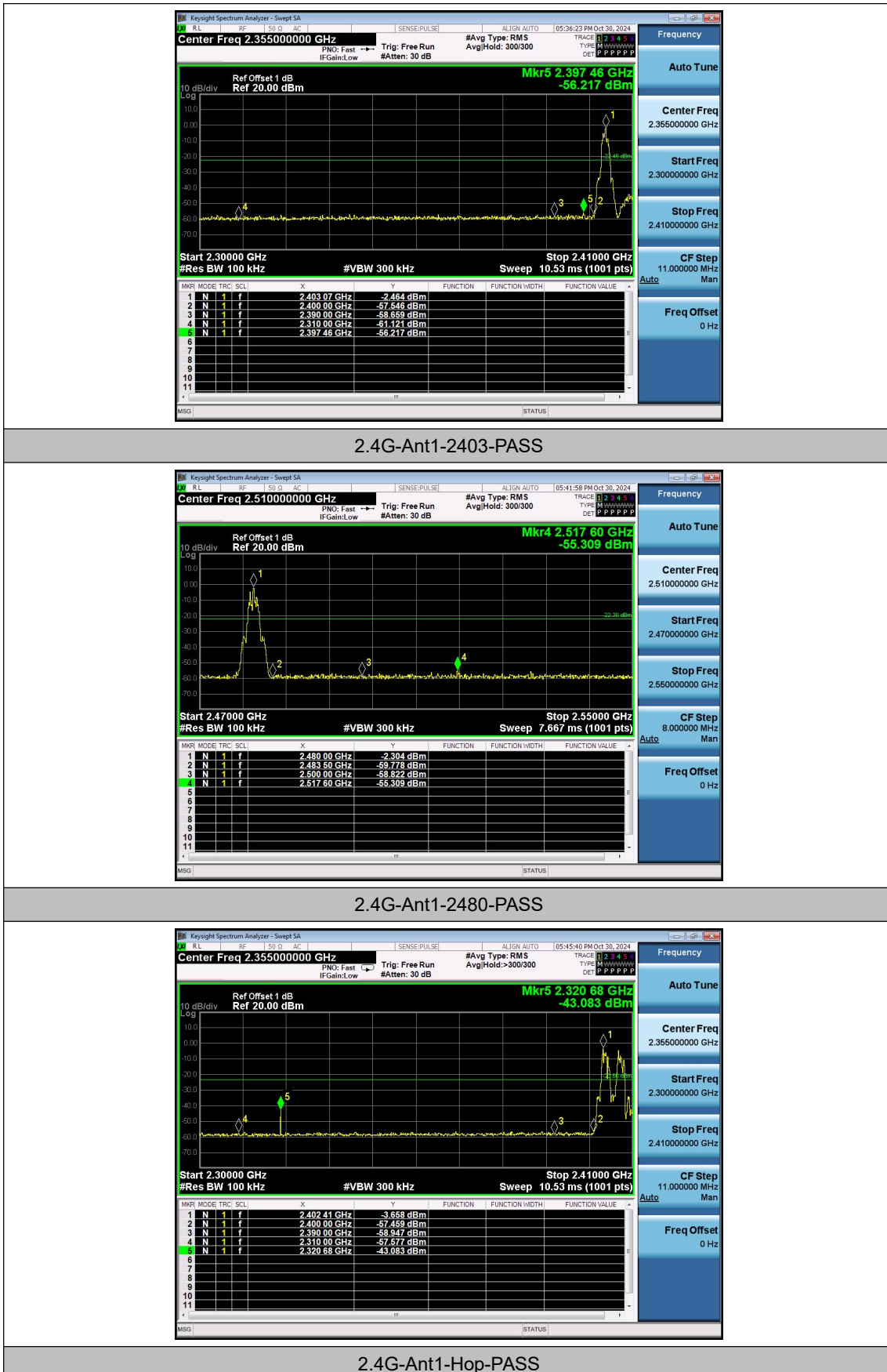
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Test Graphs

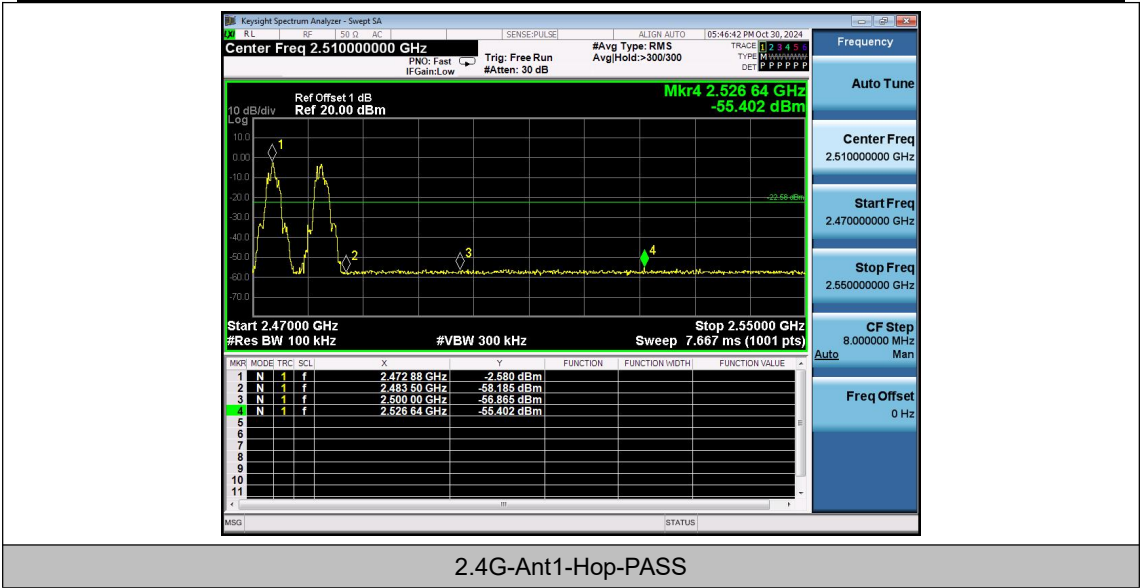


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2.4G-Ant1-Hop-PASS

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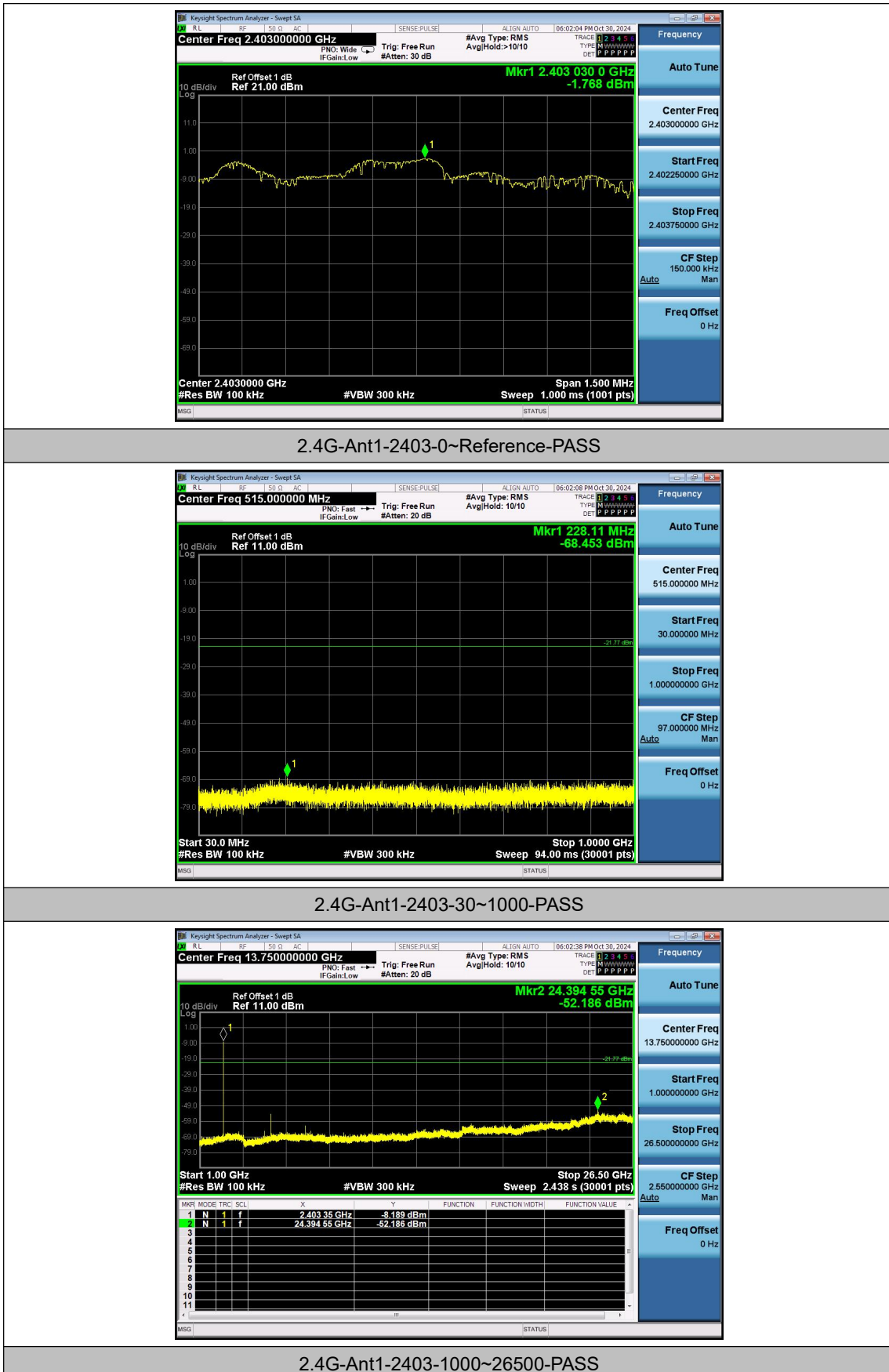
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	0~Reference	-1.77	-1.77	---	PASS
2.4G	Ant1	2403	30~1000	-1.77	-68.45	≤-21.77	PASS
2.4G	Ant1	2403	1000~26500	-1.77	-52.19	≤-21.77	PASS
2.4G	Ant1	2441	0~Reference	-3.23	-3.23	---	PASS
2.4G	Ant1	2441	30~1000	-3.23	-68.77	≤-23.23	PASS
2.4G	Ant1	2441	1000~26500	-3.23	-52.97	≤-23.23	PASS
2.4G	Ant1	2480	0~Reference	-2.65	-2.65	---	PASS
2.4G	Ant1	2480	30~1000	-2.65	-68.23	≤-22.65	PASS
2.4G	Ant1	2480	1000~26500	-2.65	-51.55	≤-22.65	PASS



Test Graphs



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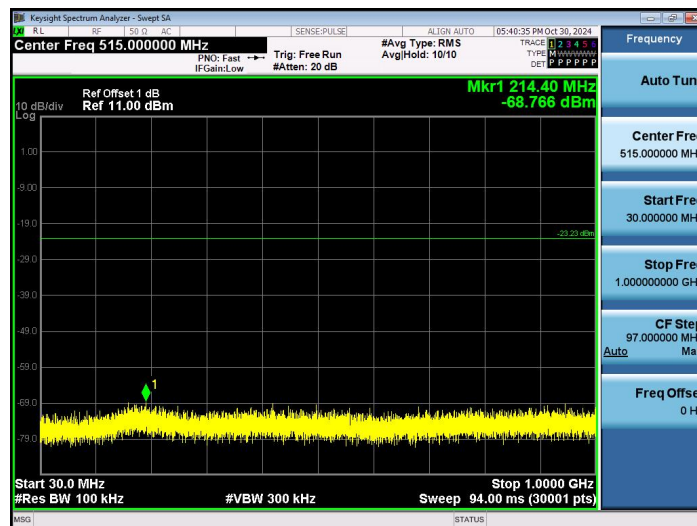
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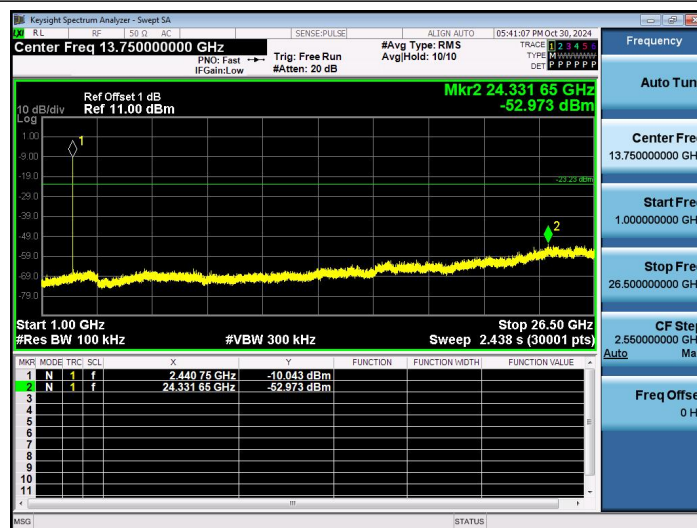




2.4G-Ant1-2441-0~Reference-PASS



2.4G-Ant1-2441-30~1000-PASS

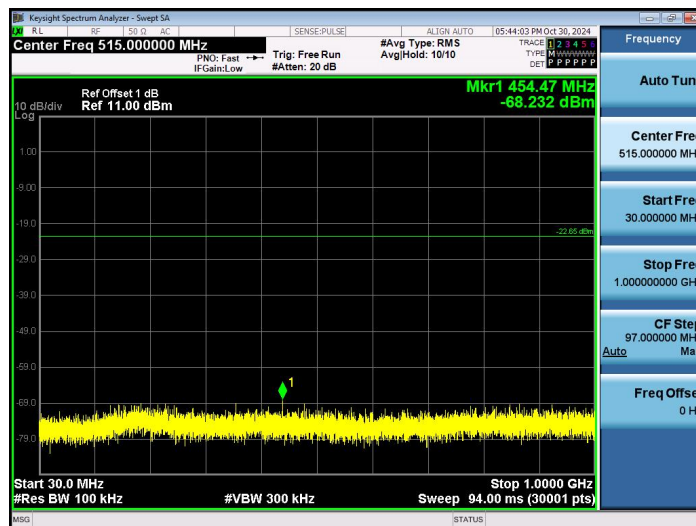


2.4G-Ant1-2441-1000~26500-PASS

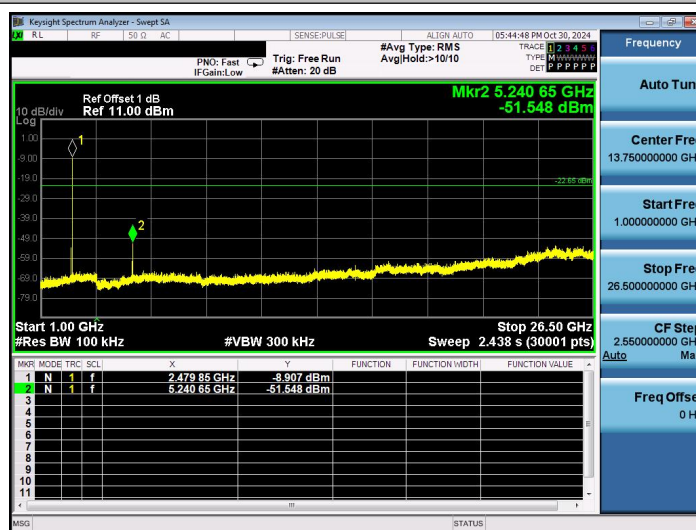




2.4G-Ant1-2480-0~Reference-PASS



2.4G-Ant1-2480-30~1000-PASS



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



Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2403	0.12	4.06	2.96	15.29
2.4G	Ant1	2441	0.13	4.19	3.10	15.09
2.4G	Ant1	2480	0.13	4.19	3.10	15.09

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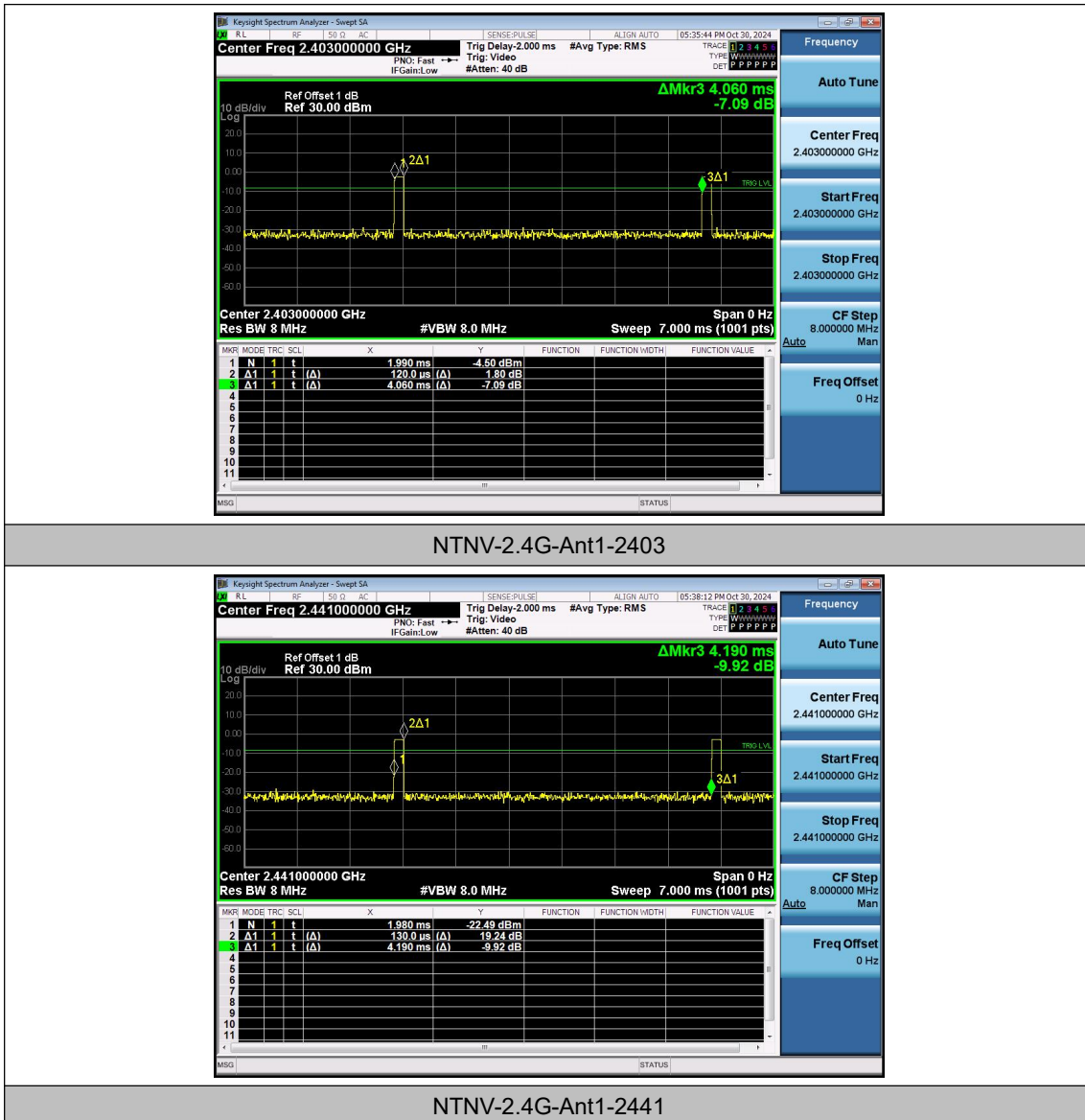
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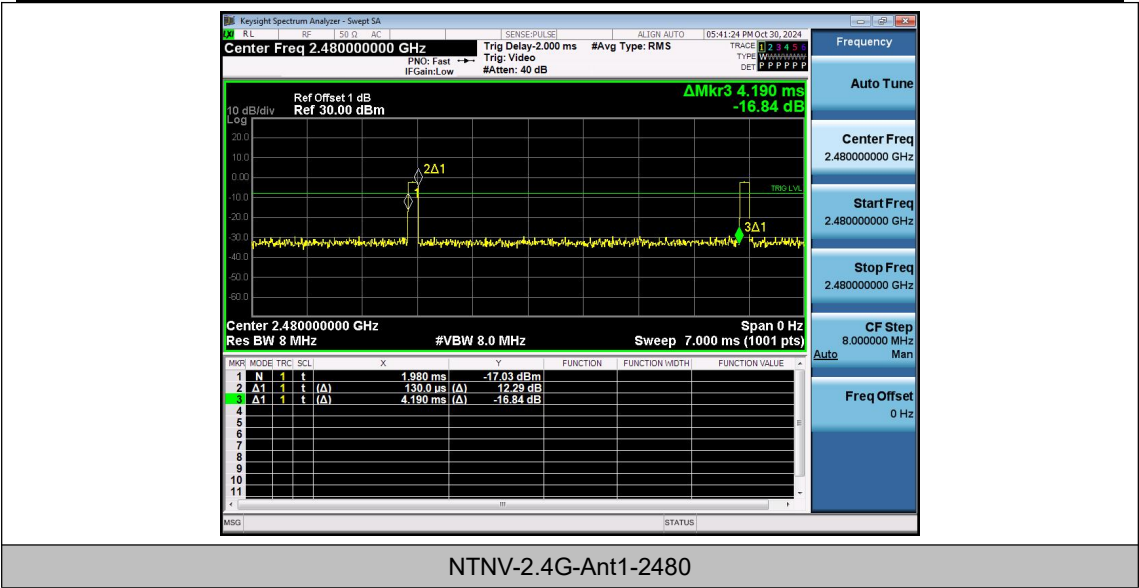


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Test Graphs





NTNV-2.4G-Ant1-2480

---End---

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