

Appendix Test Data

Report No.:	1812C40005312501	Test Sample No.:	1-2-2
Start Test Date:	2024.8.15	Finish Test Date:	2024.8.15
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25.5℃	Relative Humidity:	47%
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	1.137	2402.451	2403.588	---	---
2.4G	Ant1	2441	1.143	2440.445	2441.588	---	---
2.4G	Ant1	2480	1.170	2479.418	2480.588	---	---



Test Graphs



2.4G-Ant1-2403



2.4G-Ant1-2441



2.4G-Ant1-2480

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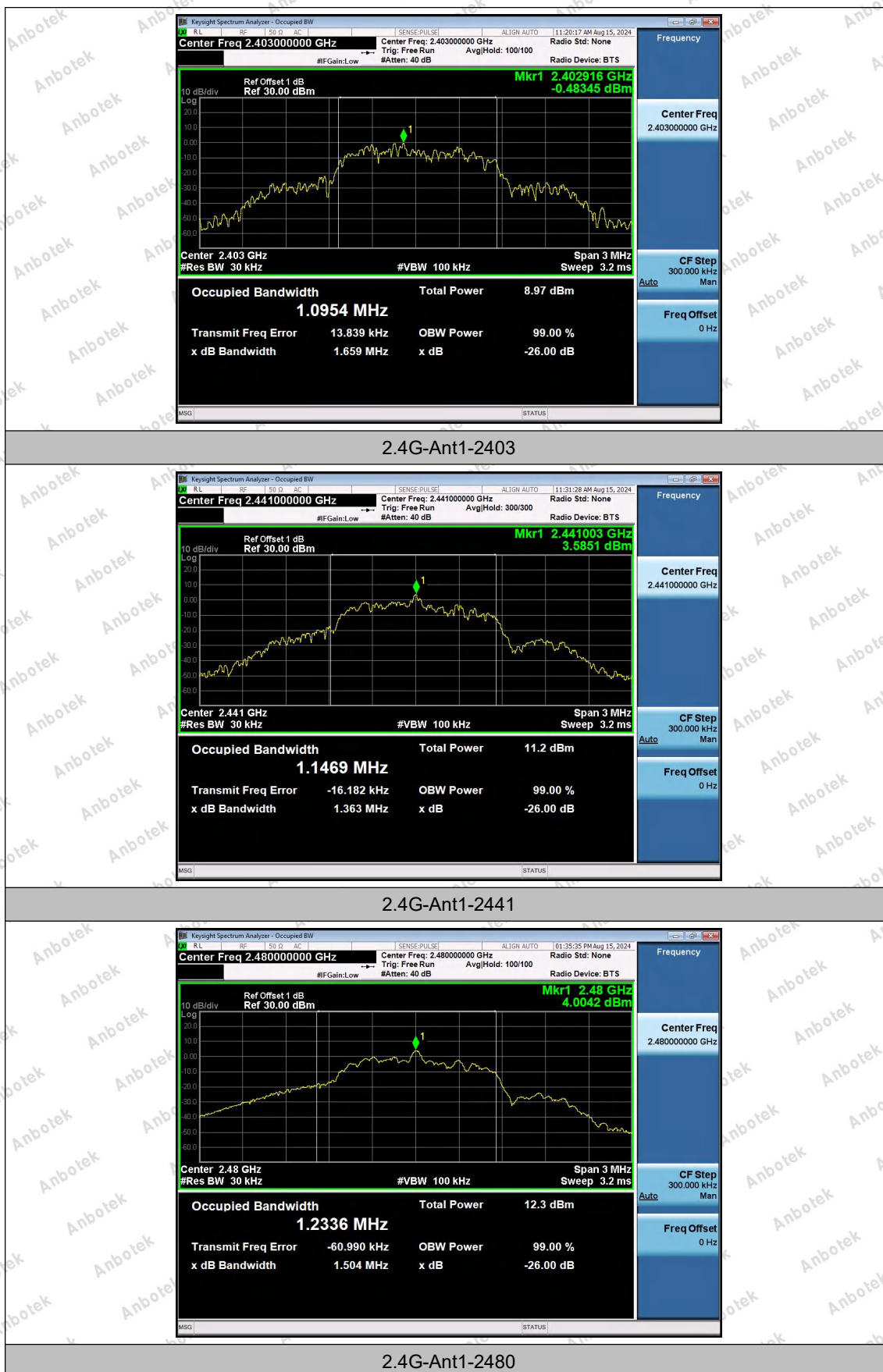
Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	1.0954	2402.4661	2403.5615	---	---
2.4G	Ant1	2441	1.1469	2440.4104	2441.5573	---	---
2.4G	Ant1	2480	1.2336	2479.3222	2480.5558	---	---



Test Graphs



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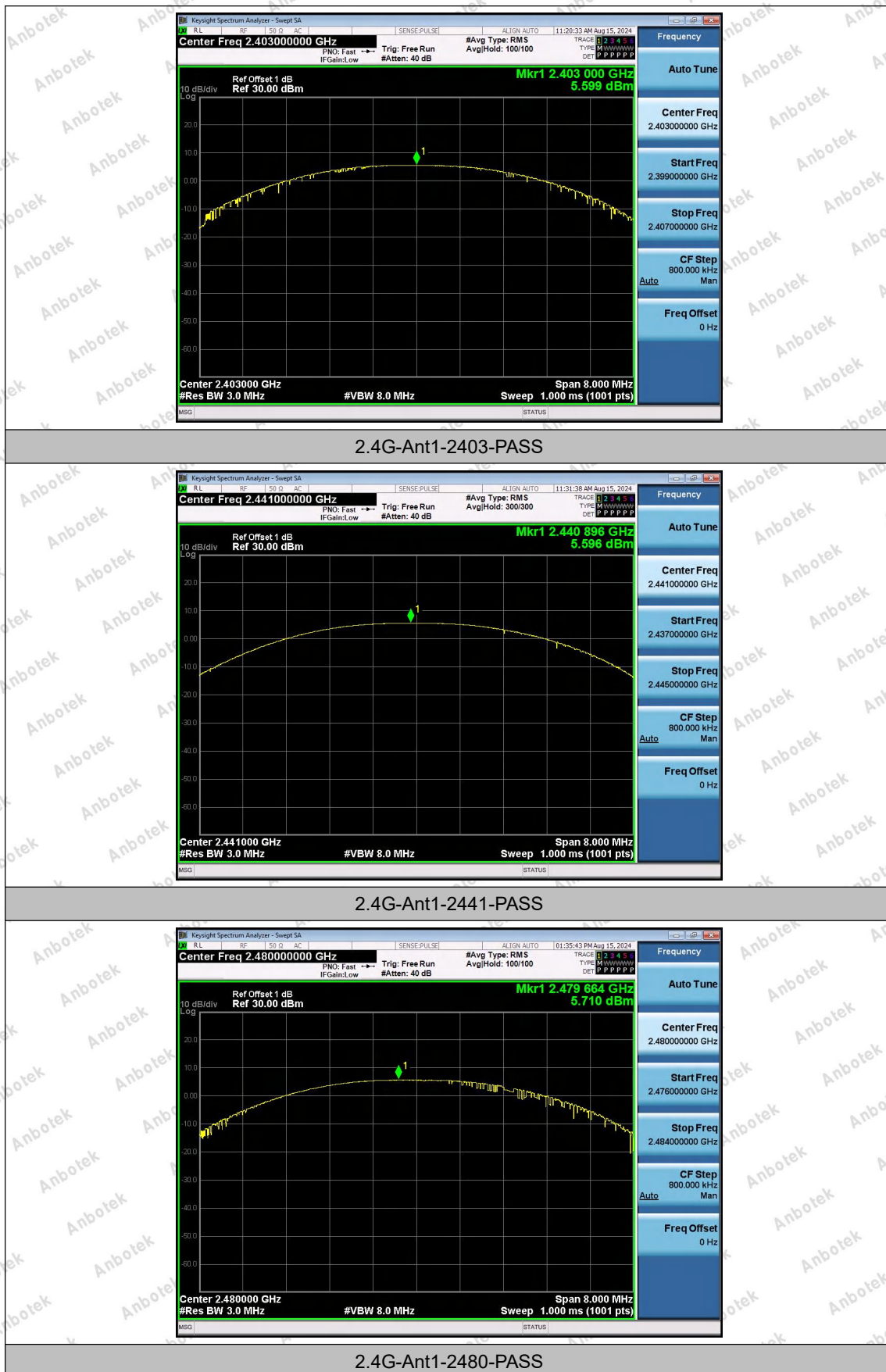
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	5.60	≤20.97	PASS
2.4G	Ant1	2441	5.60	≤20.97	PASS
2.4G	Ant1	2480	5.71	≤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	2.00	≥0.780	PASS



Test Graphs



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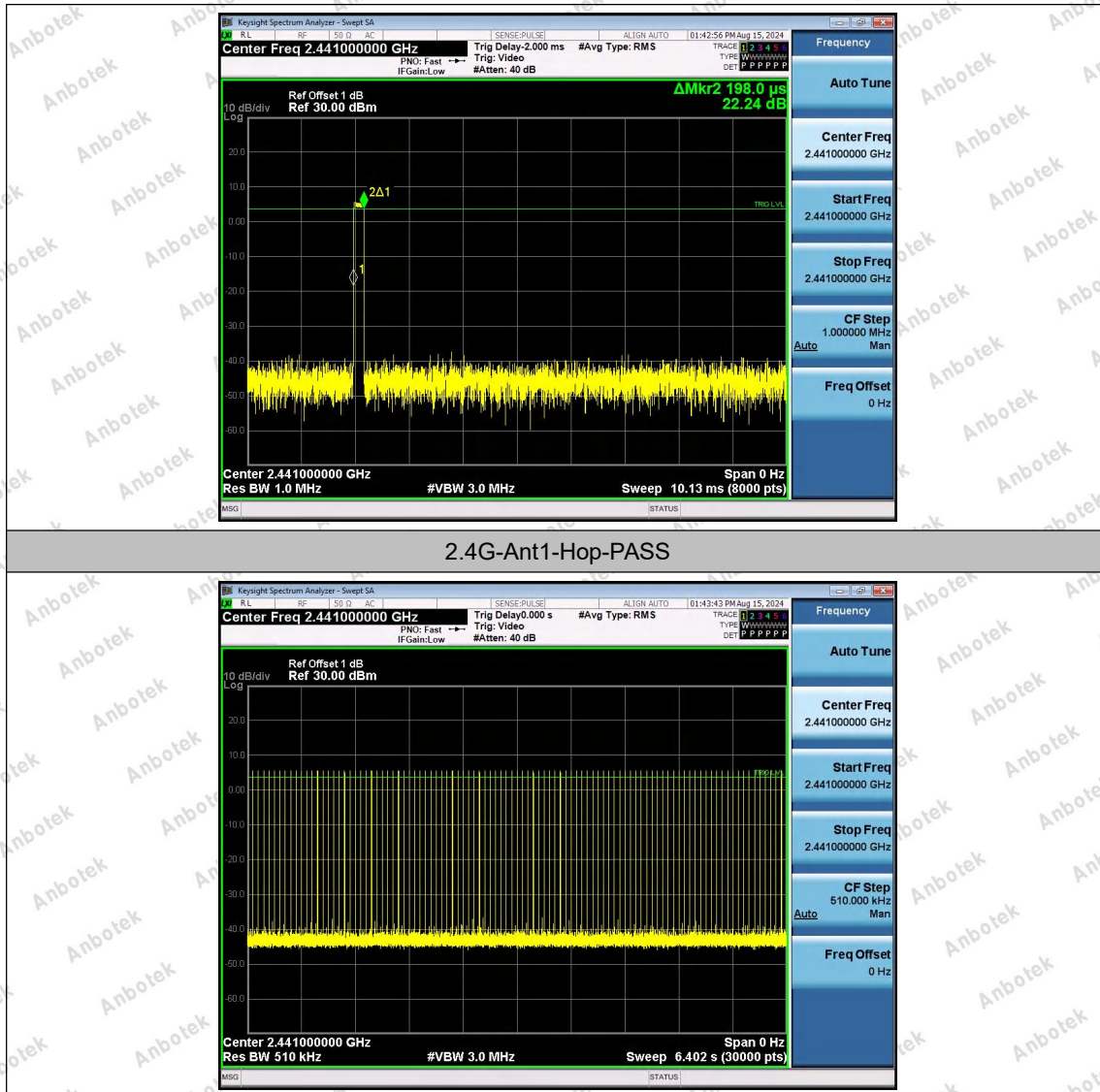
Appendix E: Dwell Time

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.198	100	0.02	≤0.4	PASS



Test Graphs



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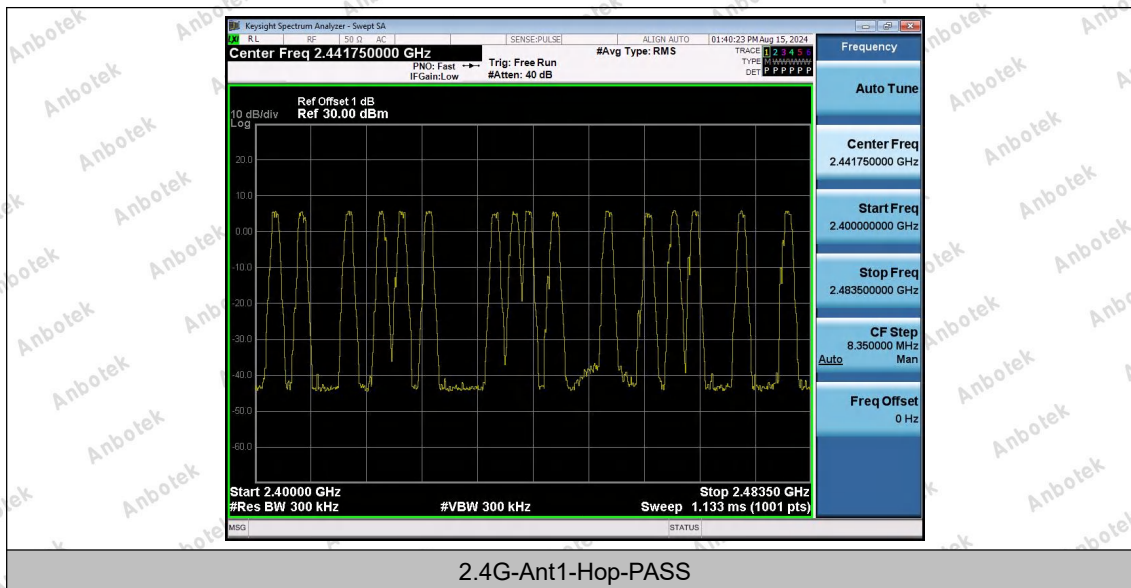
Appendix F: Number of Hopping Channel

Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
2.4G	Ant1	Hop	16	≥15	PASS



Test Graphs



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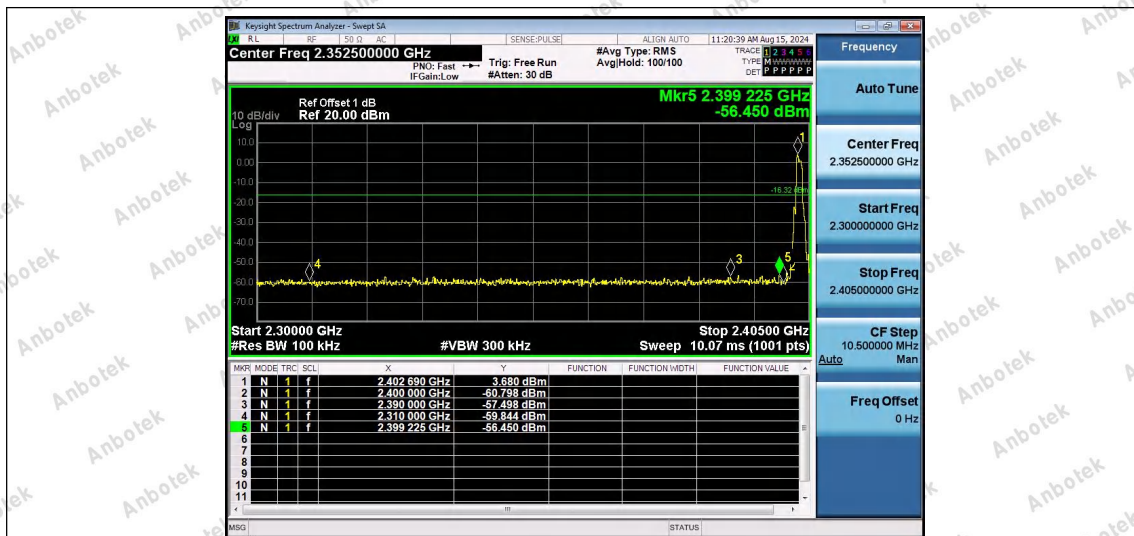
Appendix G: Conducted Band edge

Test Result

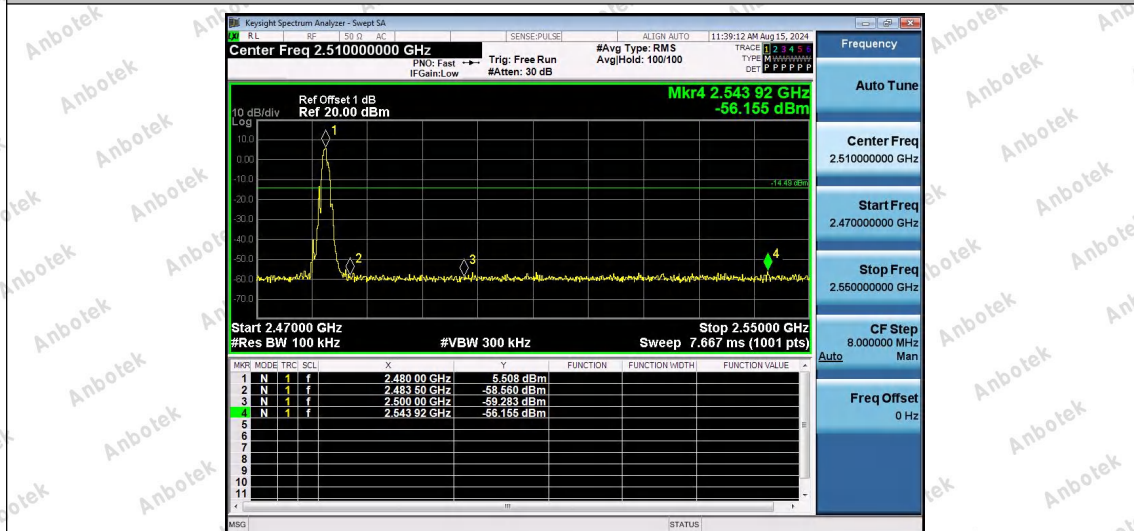
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	3.68	-56.45	≤-16.32	PASS
2.4G	Ant1	High	2480	5.51	-56.16	≤-14.49	PASS
2.4G	Ant1	Low	Hop_2403	5.76	-55.91	≤-14.24	PASS
2.4G	Ant1	High	Hop_2479	5.38	-55.02	≤-14.62	PASS



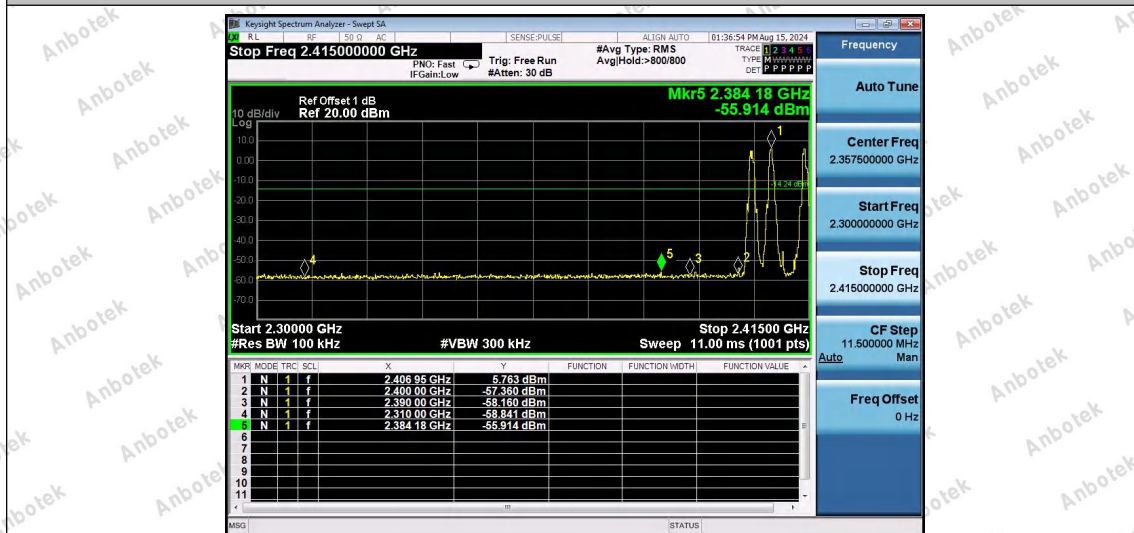
Test Graphs



2.4G-Ant1-2403-PASS



2.4G-Ant1-2480-PASS



2.4G-Ant1-Hop_2403-PASS

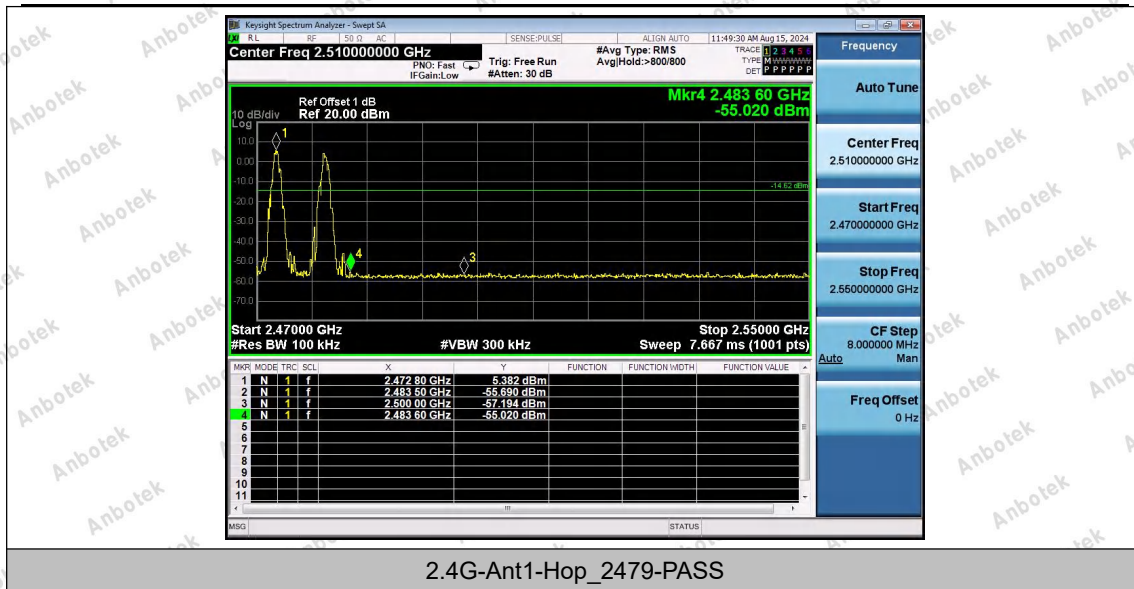
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2.4G-Ant1-Hop_2479-PASS



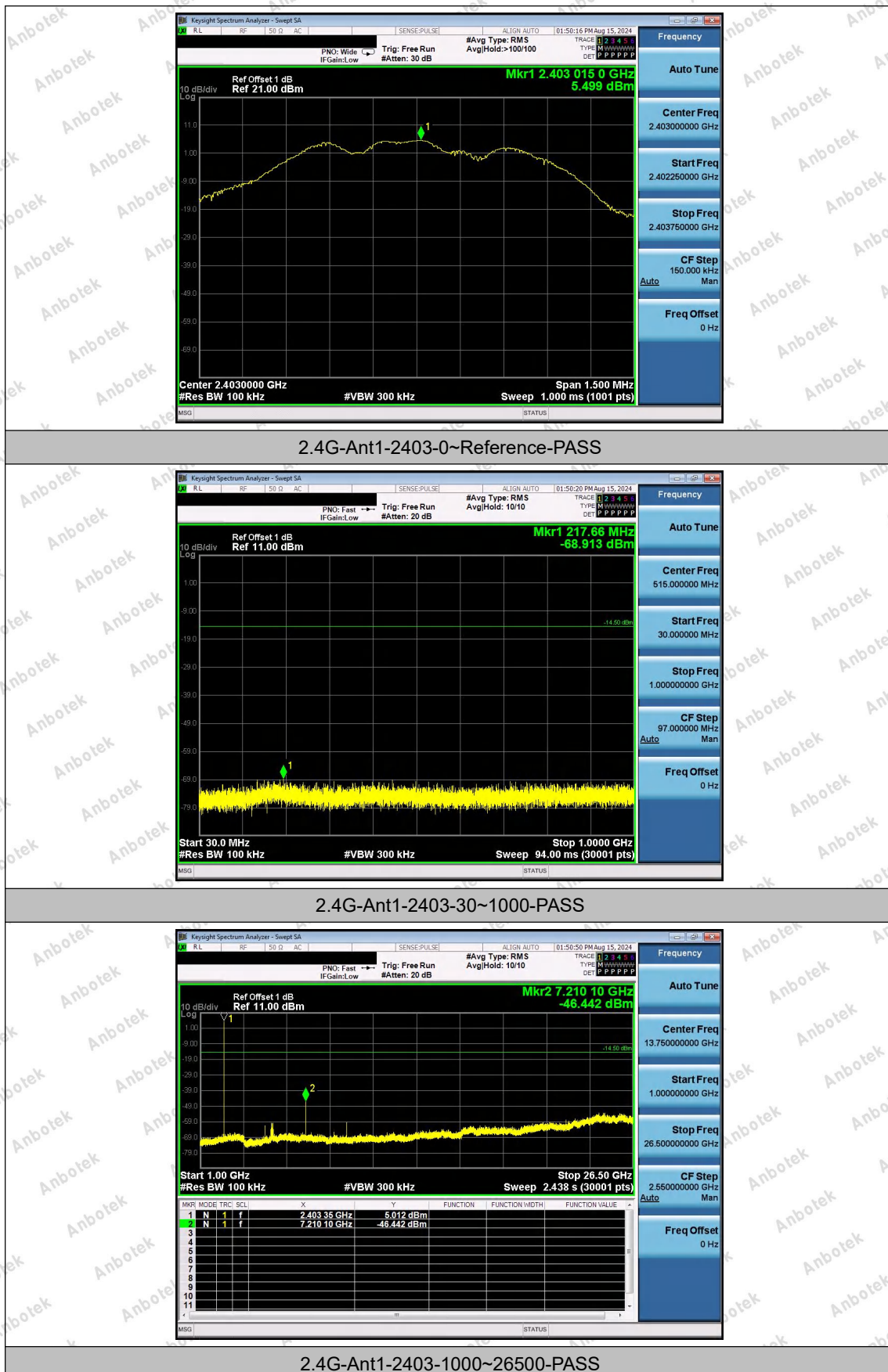
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	0~Reference	5.50	5.50	---	PASS
2.4G	Ant1	2403	30~1000	5.50	-68.91	≤-14.5	PASS
2.4G	Ant1	2403	1000~26500	5.50	-46.44	≤-14.5	PASS
2.4G	Ant1	2441	0~Reference	5.20	5.20	---	PASS
2.4G	Ant1	2441	30~1000	5.20	-67.85	≤-14.8	PASS
2.4G	Ant1	2441	1000~26500	5.20	-35.25	≤-14.8	PASS
2.4G	Ant1	2480	0~Reference	5.45	5.45	---	PASS
2.4G	Ant1	2480	30~1000	5.45	-68.6	≤-14.55	PASS
2.4G	Ant1	2480	1000~26500	5.45	-32.94	≤-14.55	PASS



Test Graphs



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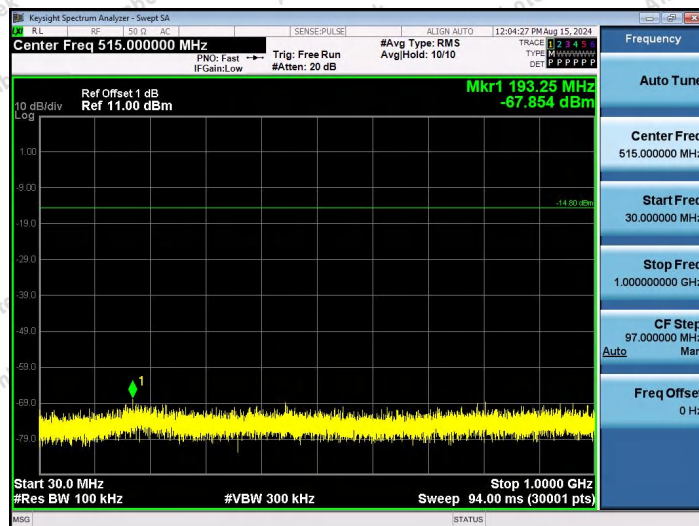


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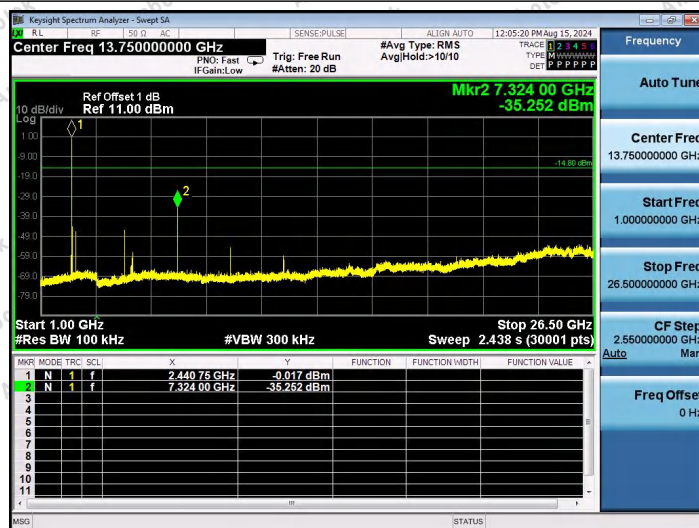




2.4G-Ant1-2441-0~Reference-PASS



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



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

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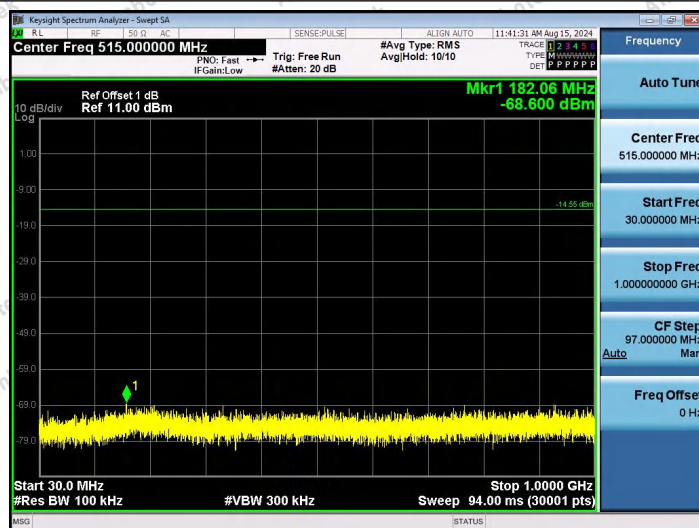


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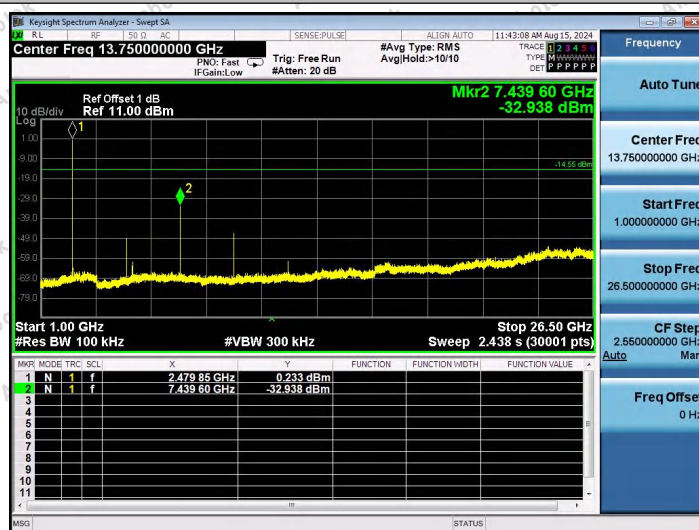




2.4G-Ant1-2480-0~Reference-PASS



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



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

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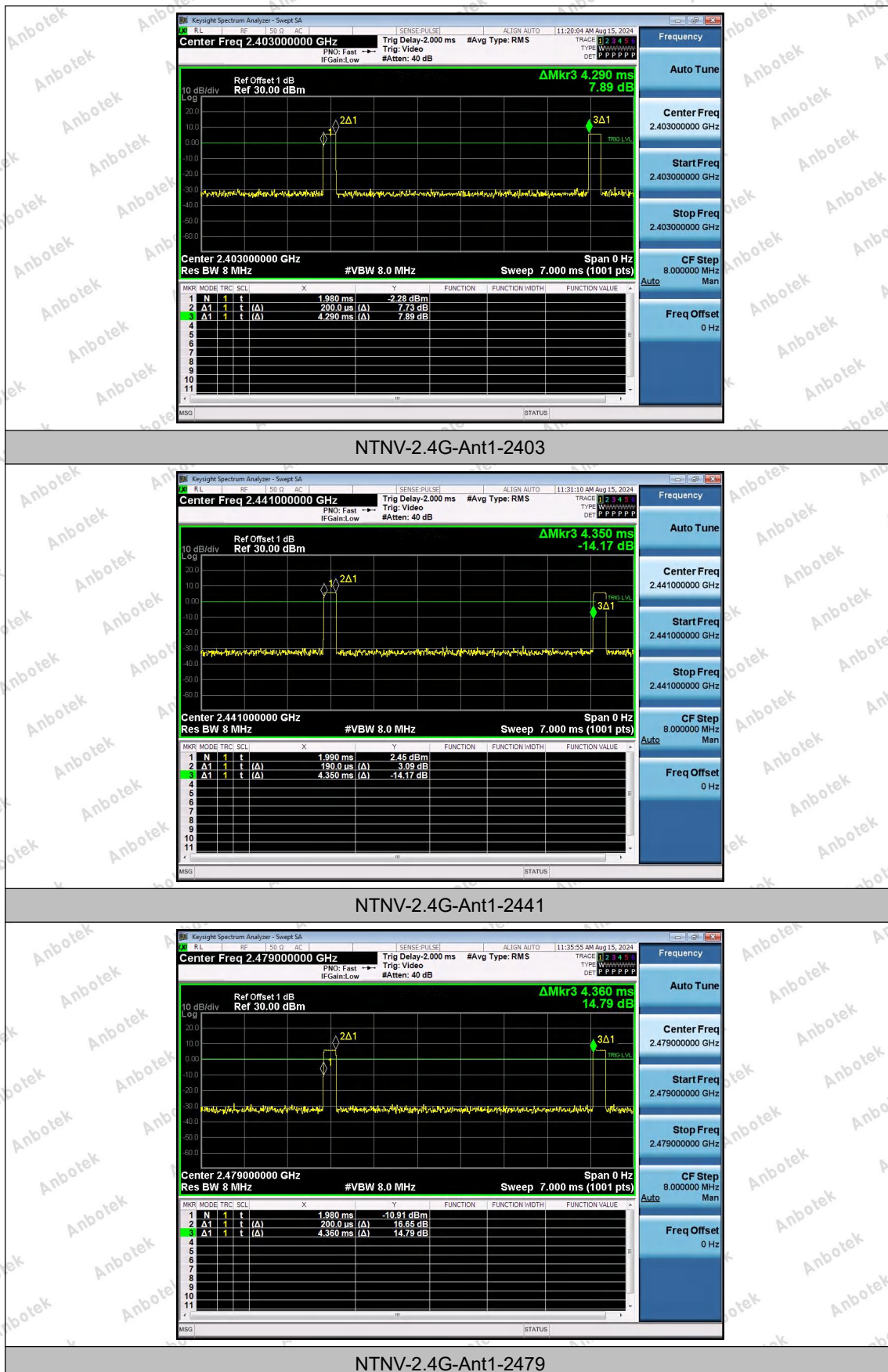
Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2403	0.20	4.29	4.66	13.32
2.4G	Ant1	2441	0.19	4.35	4.37	13.60
2.4G	Ant1	2479	0.20	4.36	4.59	13.38
2.4G	Ant1	2480	0.19	4.12	4.61	13.36



Test Graphs



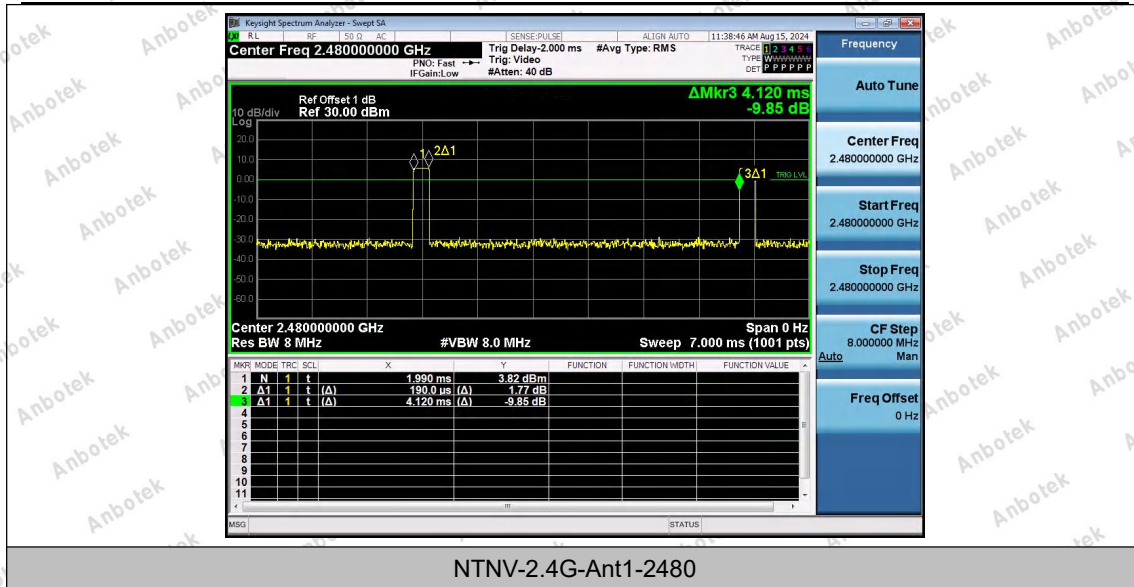
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