

Appendix Test Data

Report No.:	18220WC40063802	Test Sample No.:	1-2-2
Start Test Date:	2024.04.10	Finish Test Date:	2024.05.30
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25.3°C	Relative Humidity:	44%
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	2.165	2401.940	2404.105	---	---
		2441	2.185	2439.935	2442.120	---	---
		2480	2.195	2478.930	2481.125	---	---

Test Graphs



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2.4G_Ant1_2480



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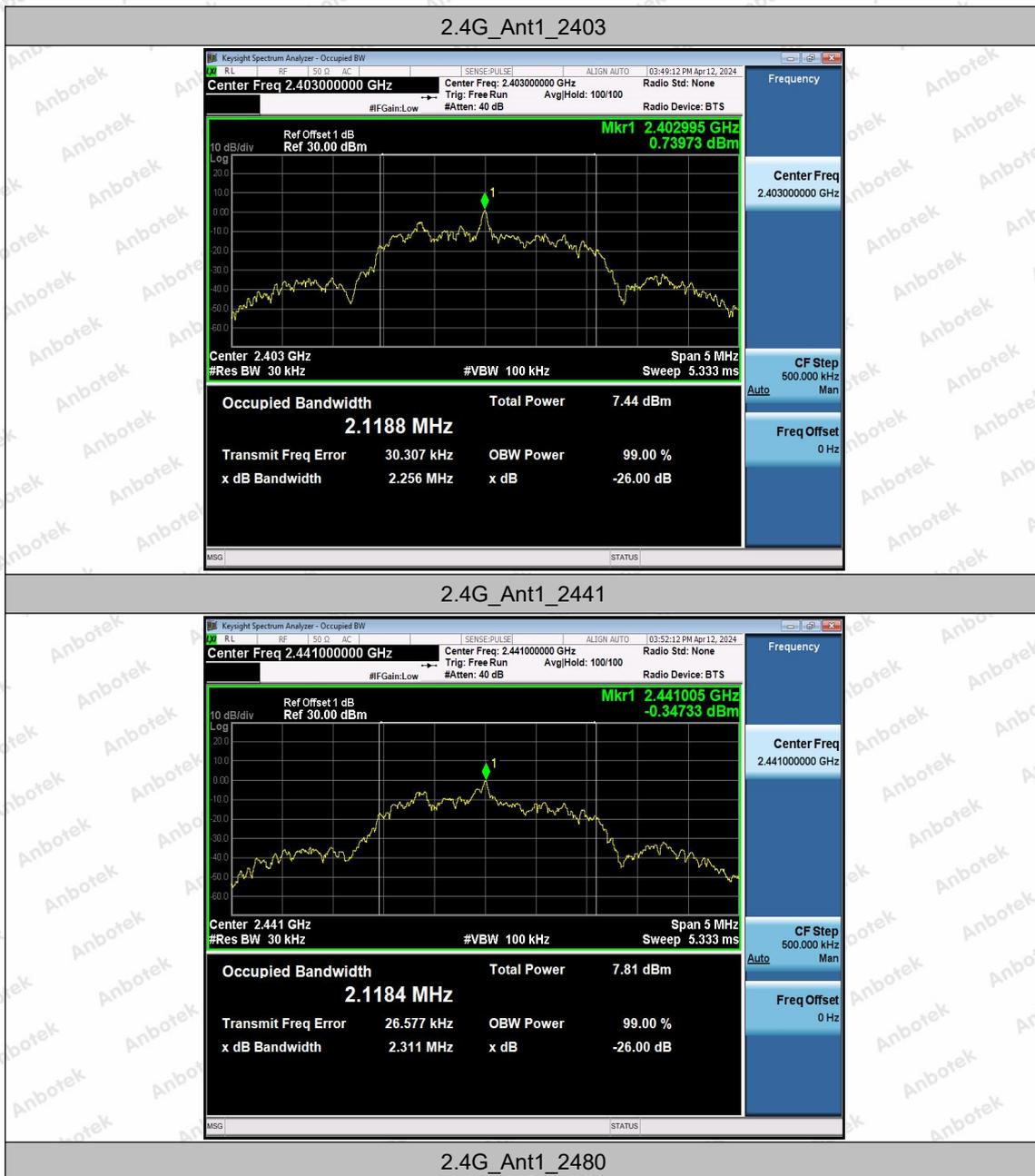


Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.1188	2401.9709	2404.0897	---	---
		2441	2.1184	2439.9674	2442.0858	---	---
		2480	2.1613	2478.9272	2481.0885	---	---

Test Graphs



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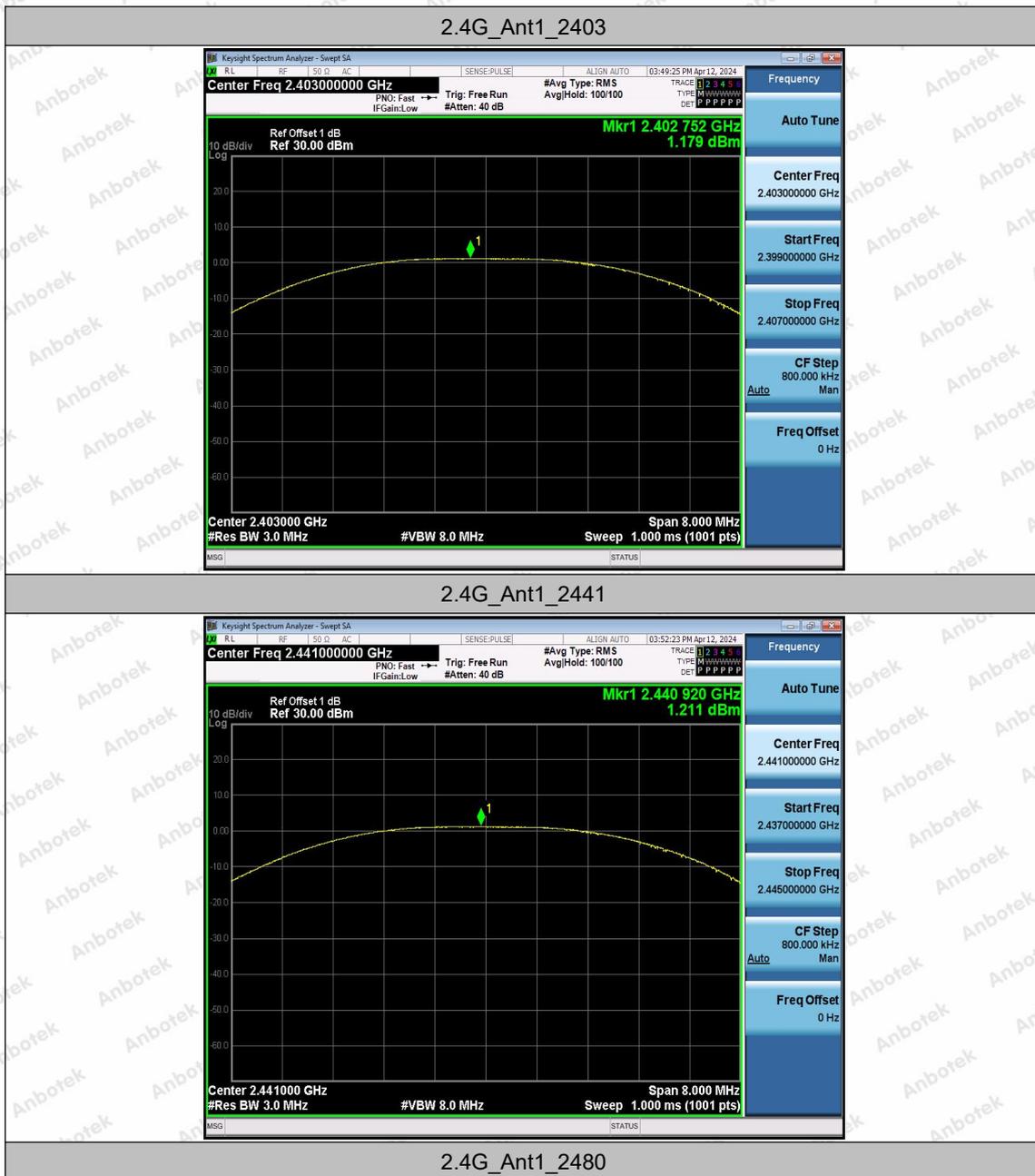


Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	1.18	≤20.97	PASS
		2441	1.21	≤20.97	PASS
		2480	1.25	≤20.97	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	2.00	≥1.463	PASS

Test Graphs



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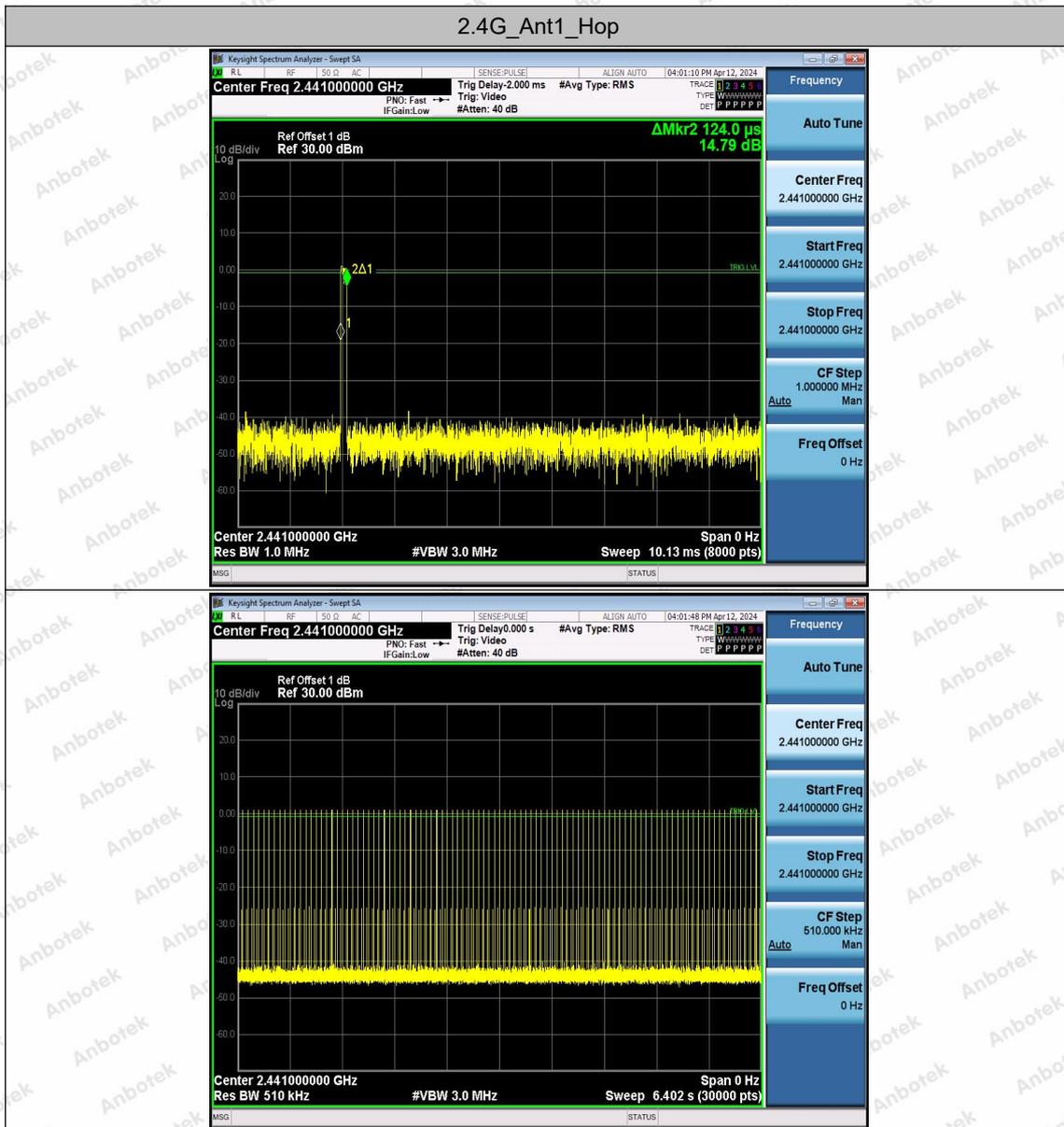


Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.124	100	0.012	≤0.4	PASS

Test Graphs



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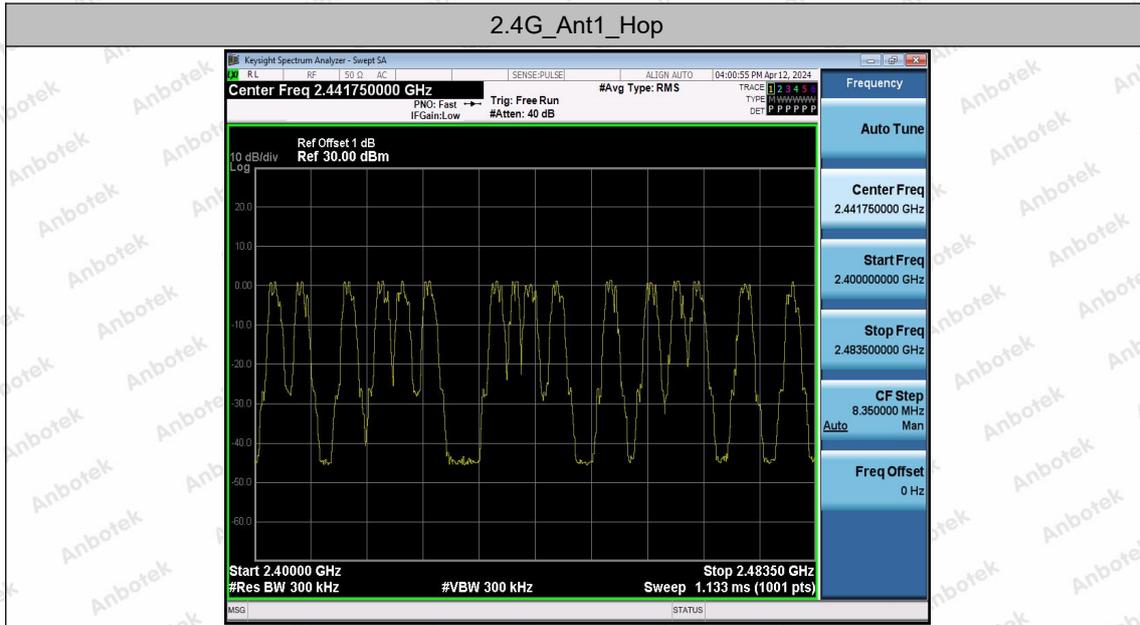


Appendix F: Number of Hopping Channel

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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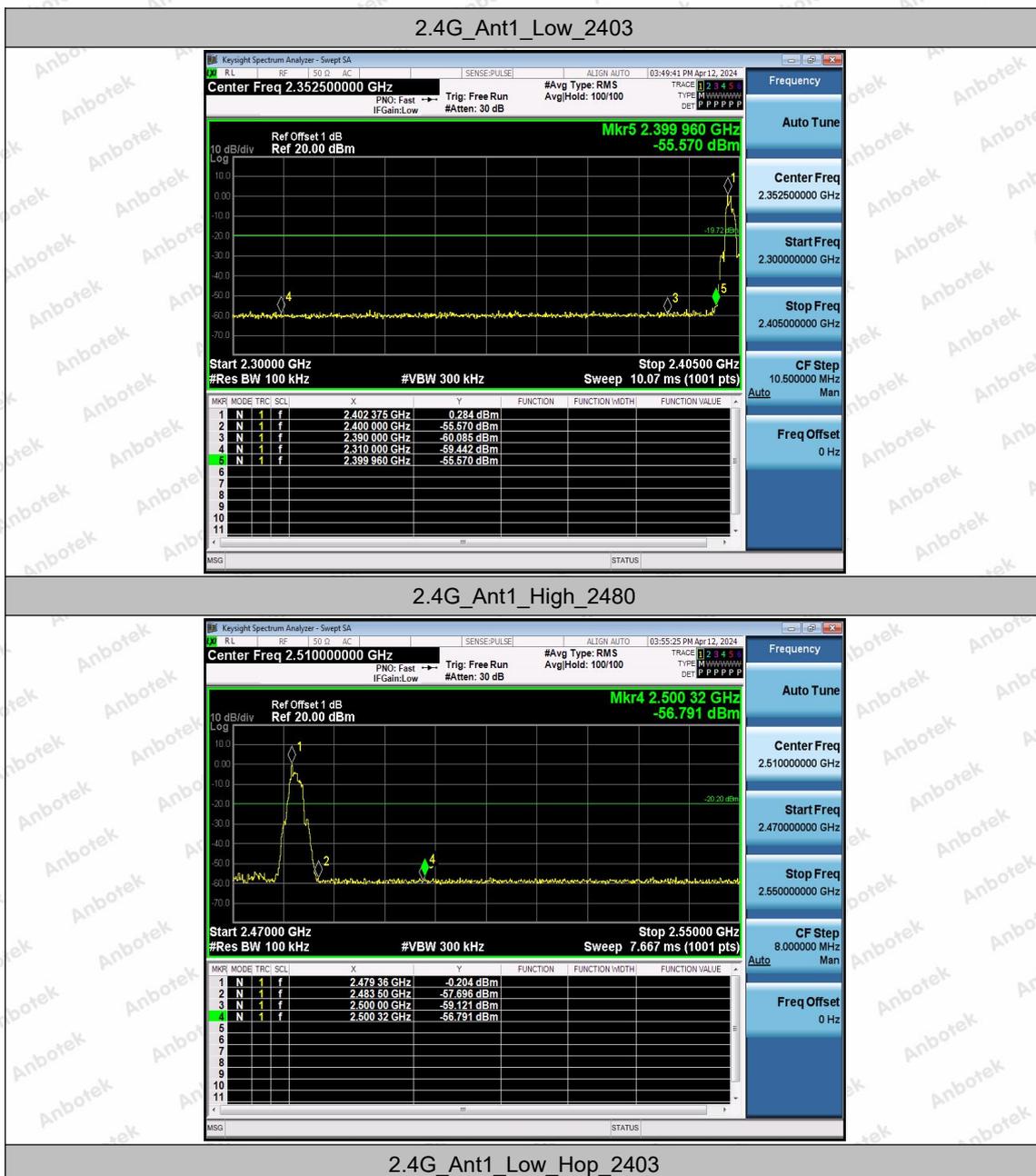


Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	0.28	-55.57	≤-19.72	PASS
		High	2480	-0.20	-56.79	≤-20.2	PASS
		Low	Hop_2403	0.84	-55.61	≤-19.16	PASS
		High	Hop_2480	1.13	-56.36	≤-18.87	PASS

Test Graphs

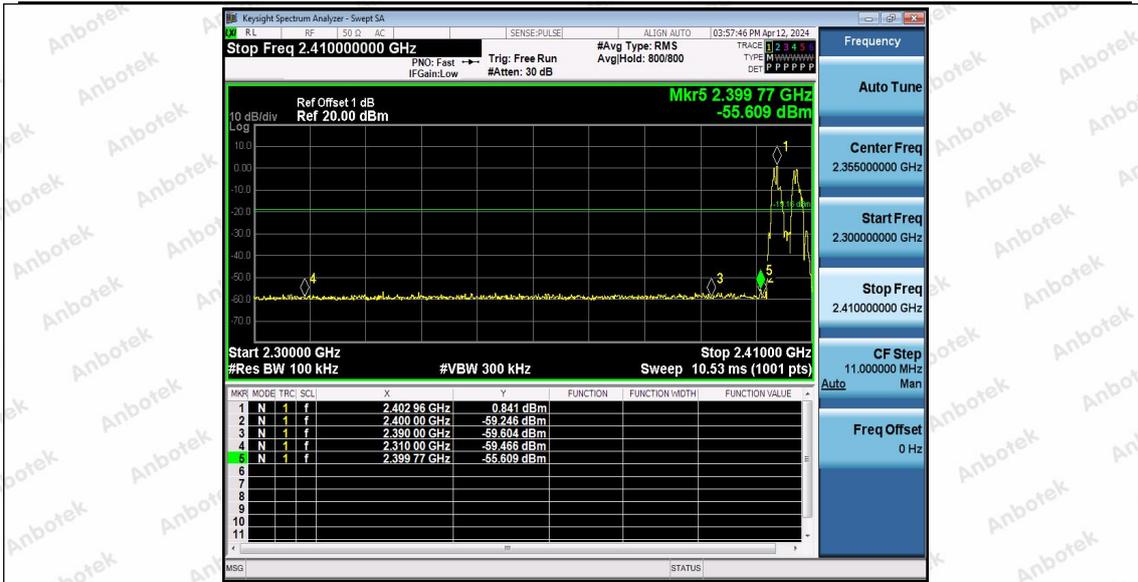


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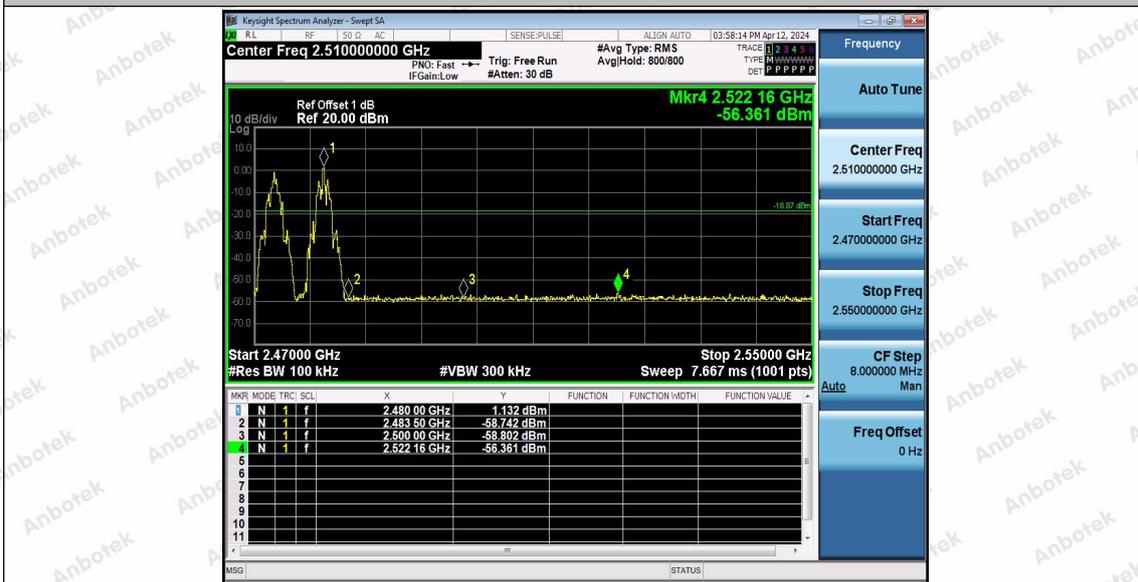
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2.4G_Ant1_High_Hop_2480



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Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	Reference	1.04	1.04	---	PASS
			30~1000	1.04	-68.08	≤-18.96	PASS
			1000~26500	1.04	-50.78	≤-18.96	PASS
		2441	Reference	1.04	1.04	---	PASS
			30~1000	1.04	-68.16	≤-18.96	PASS
			1000~26500	1.04	-52.37	≤-18.96	PASS
		2480	Reference	1.14	1.14	---	PASS
			30~1000	1.14	-68.67	≤-18.86	PASS
			1000~26500	1.14	-42.12	≤-18.86	PASS

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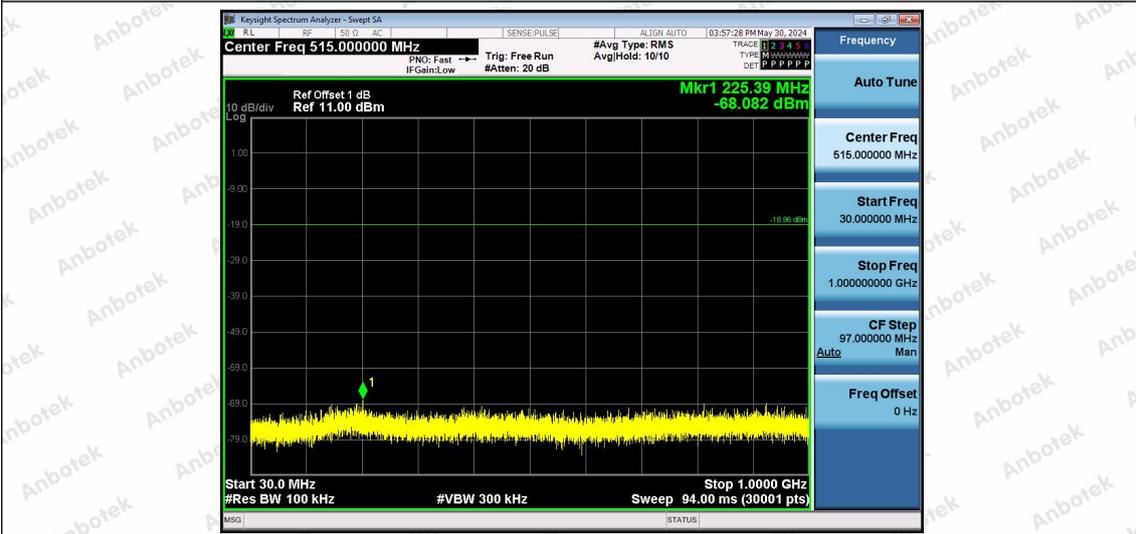
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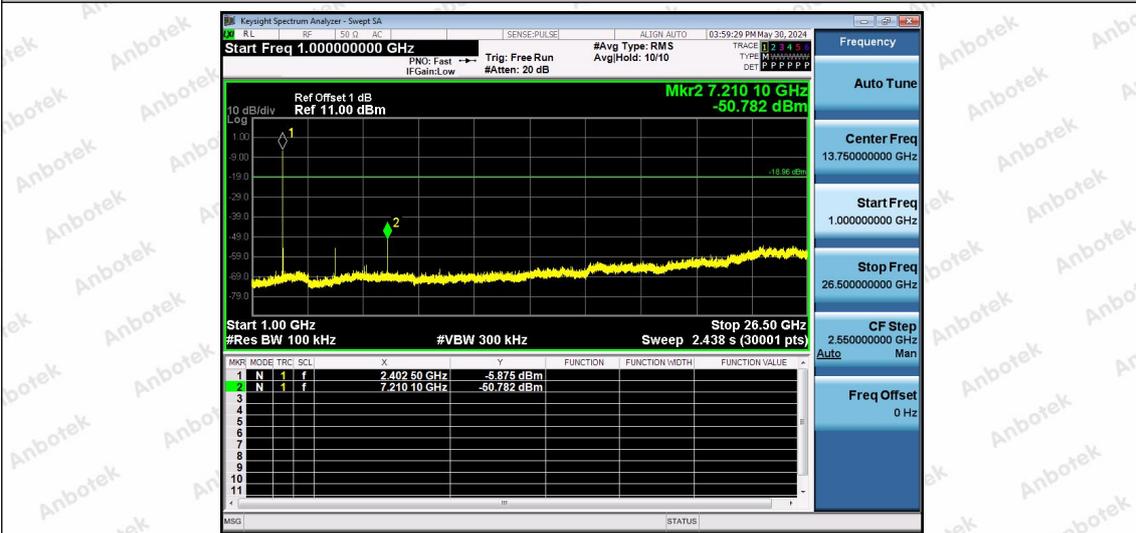
Test Graphs



2.4G-Ant1-2403-0~Reference-PASS



2.4G-Ant1-2403-30~1000-PASS



2.4G-Ant1-2403-1000~26500-PASS

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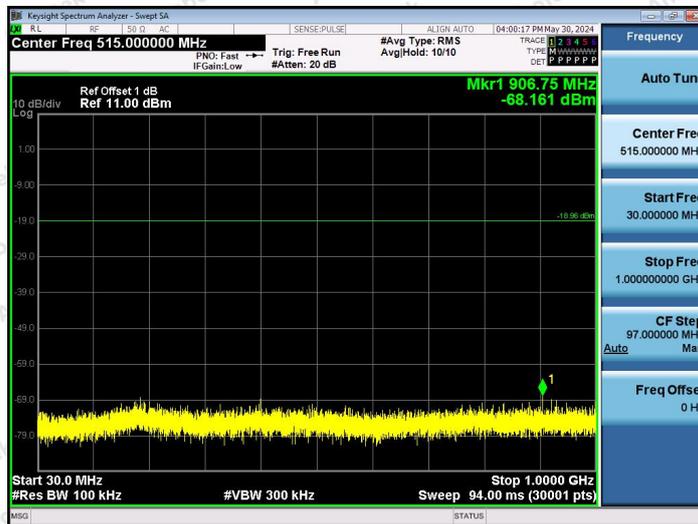
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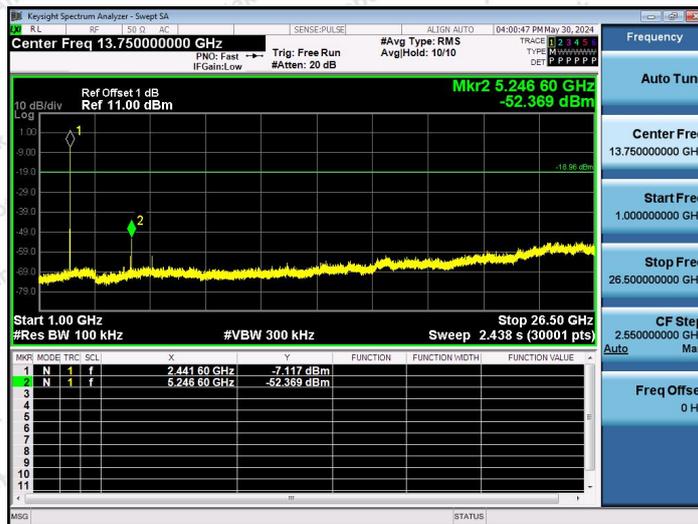




2.4G-Ant1-2441-0~Reference-PASS



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



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

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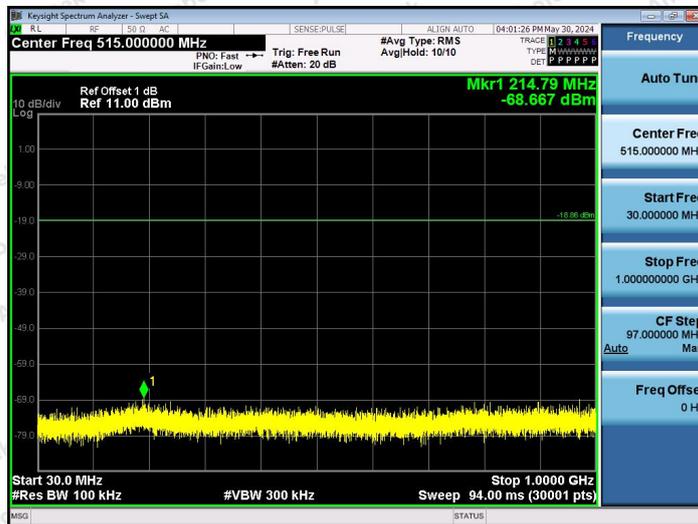
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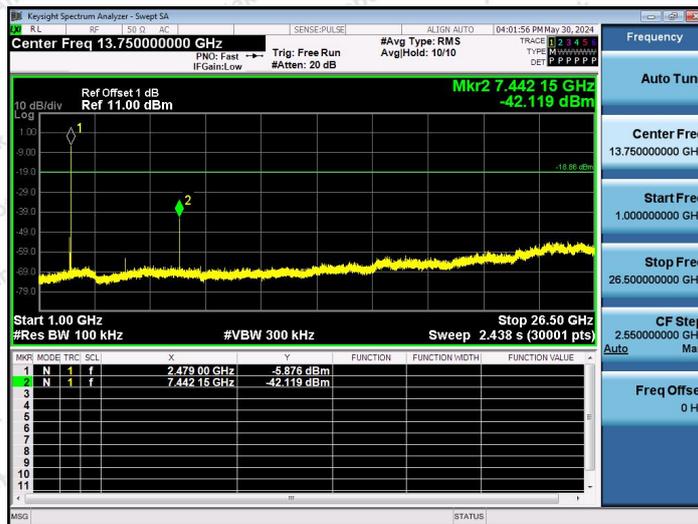




2.4G-Ant1-2480-0~Reference-PASS



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



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

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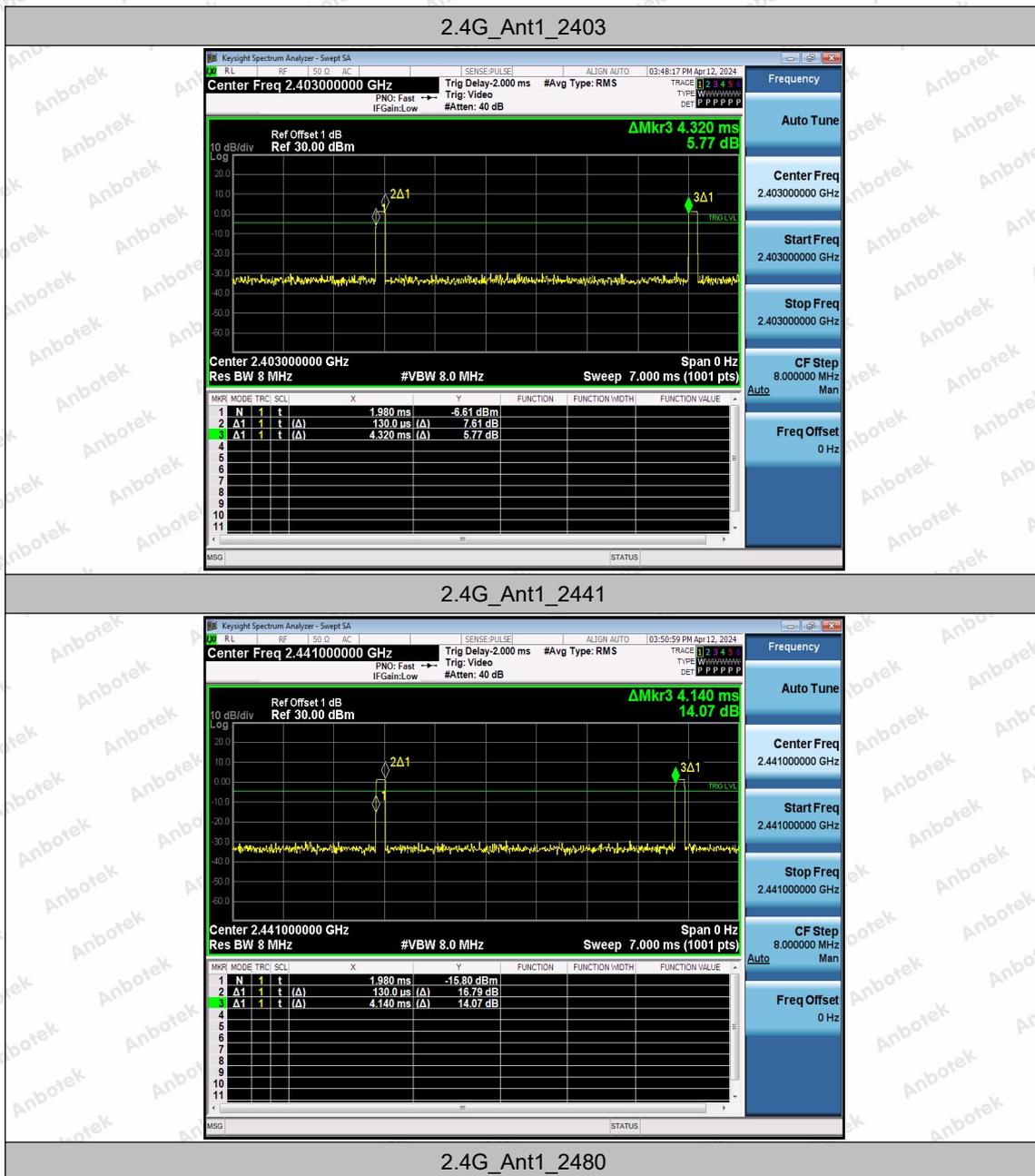


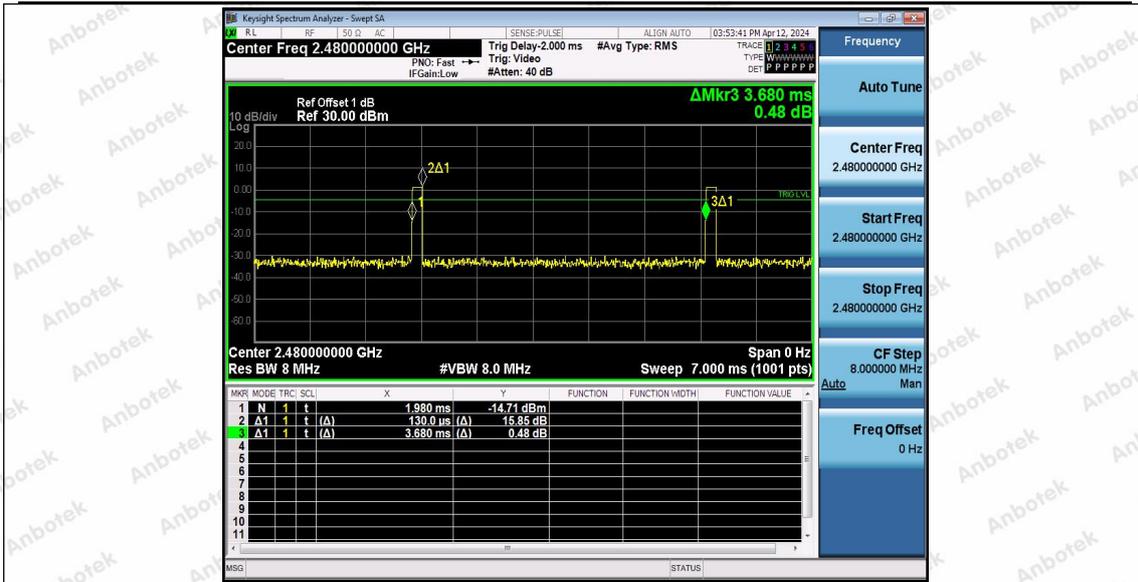
Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[M Hz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2403	0.13	4.32	3.01	15.21
		2441	0.13	4.14	3.14	15.03
		2480	0.13	3.68	3.53	14.52

Test Graphs





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