

Appendix Test Data

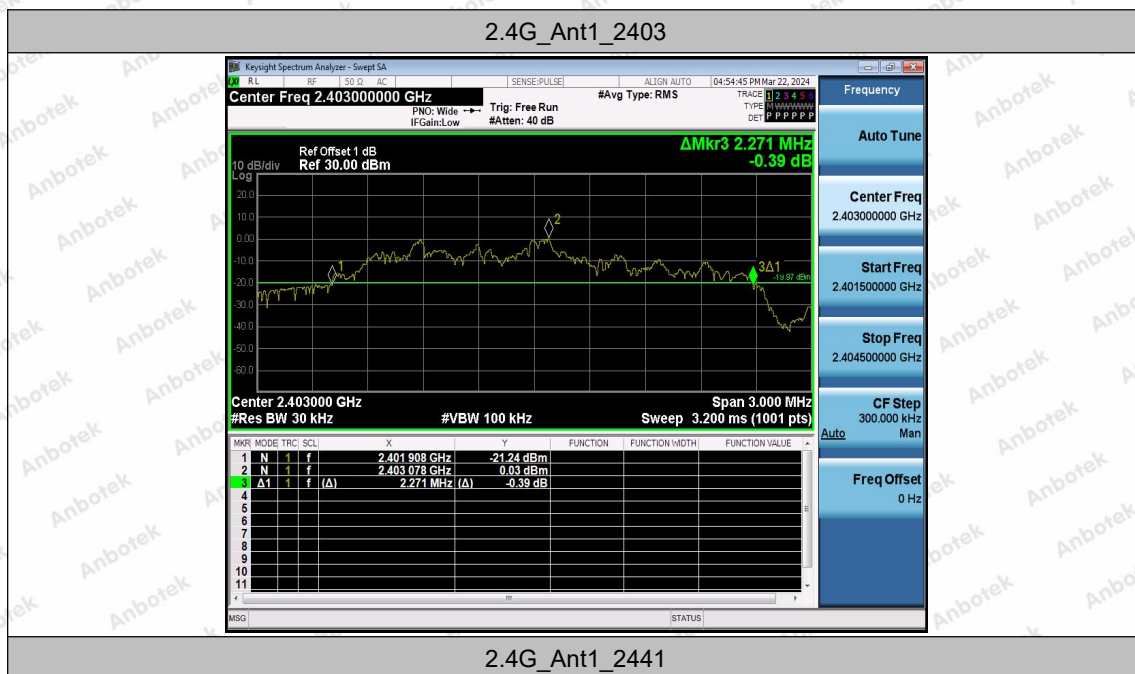
Report No.:	18220WC40040401	Test Sample No.:	1-2-2
Start Test Date:	2024.3.22	Finish Test Date:	2024.3.22
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25.5°C	Relative Humidity:	47%
Pressure:	101kPa		

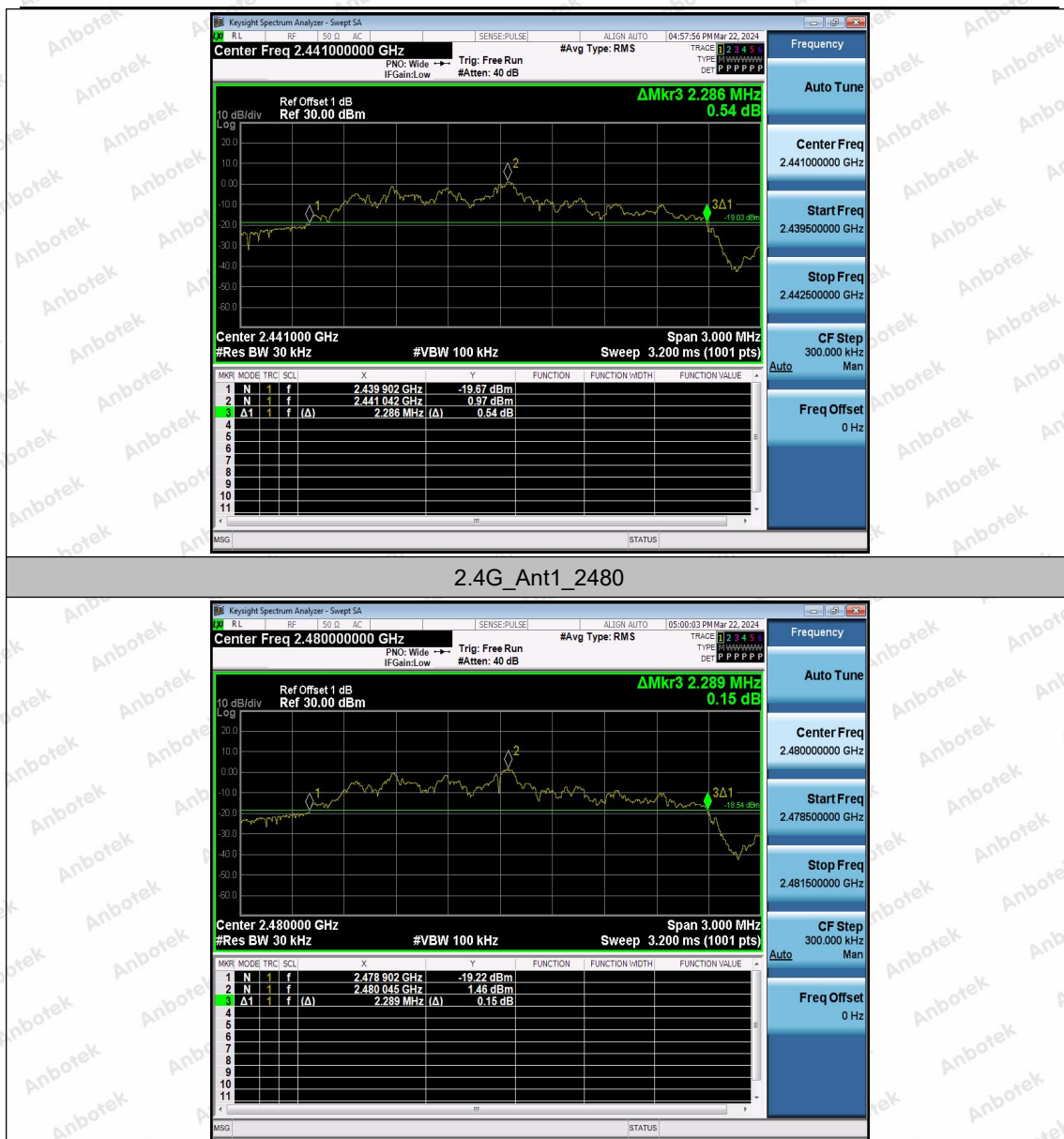
Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.271	2401.908	2404.179	---	---
		2441	2.286	2439.902	2442.188	---	---
		2480	2.289	2478.902	2481.191	---	---

Test Graphs





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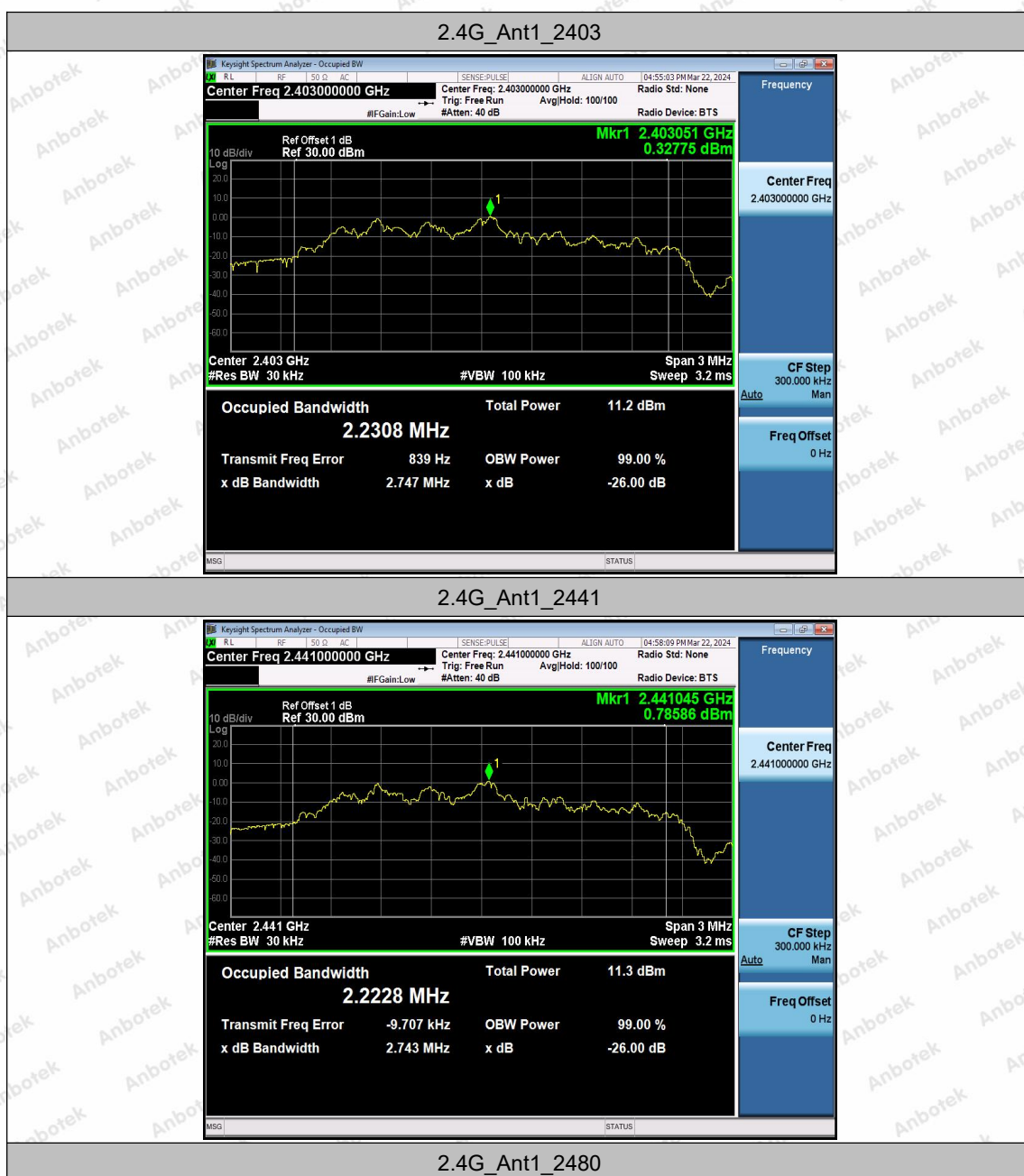


Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.2308	2401.8854	2404.1162	---	---
		2441	2.2228	2439.8789	2442.1017	---	---
		2480	2.2329	2478.8633	2481.0962	---	---

Test Graphs



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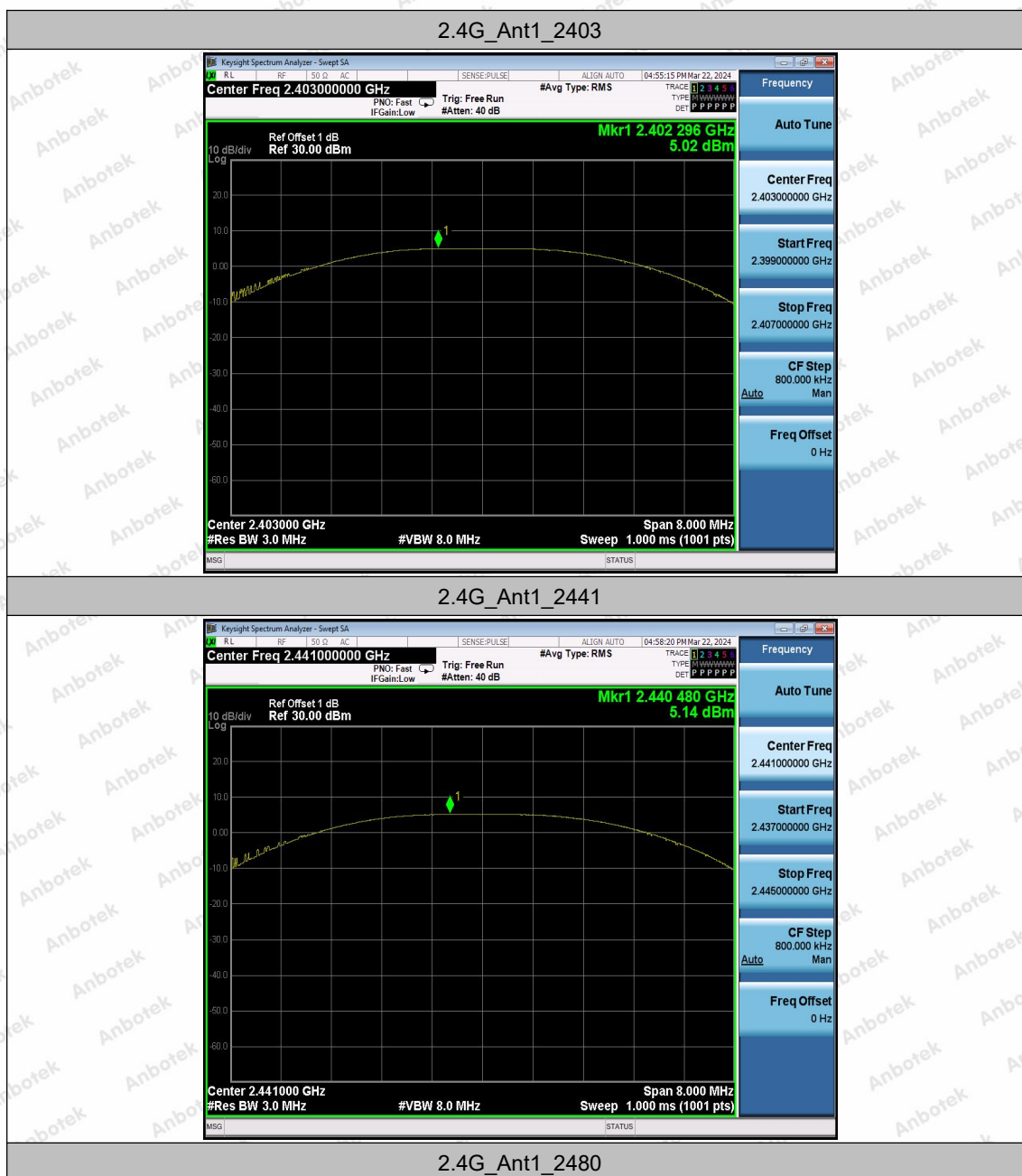


Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	5.02	≤20.97	PASS
		2441	5.14	≤20.97	PASS
		2480	5.46	≤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	≥1.526	PASS

Test Graphs

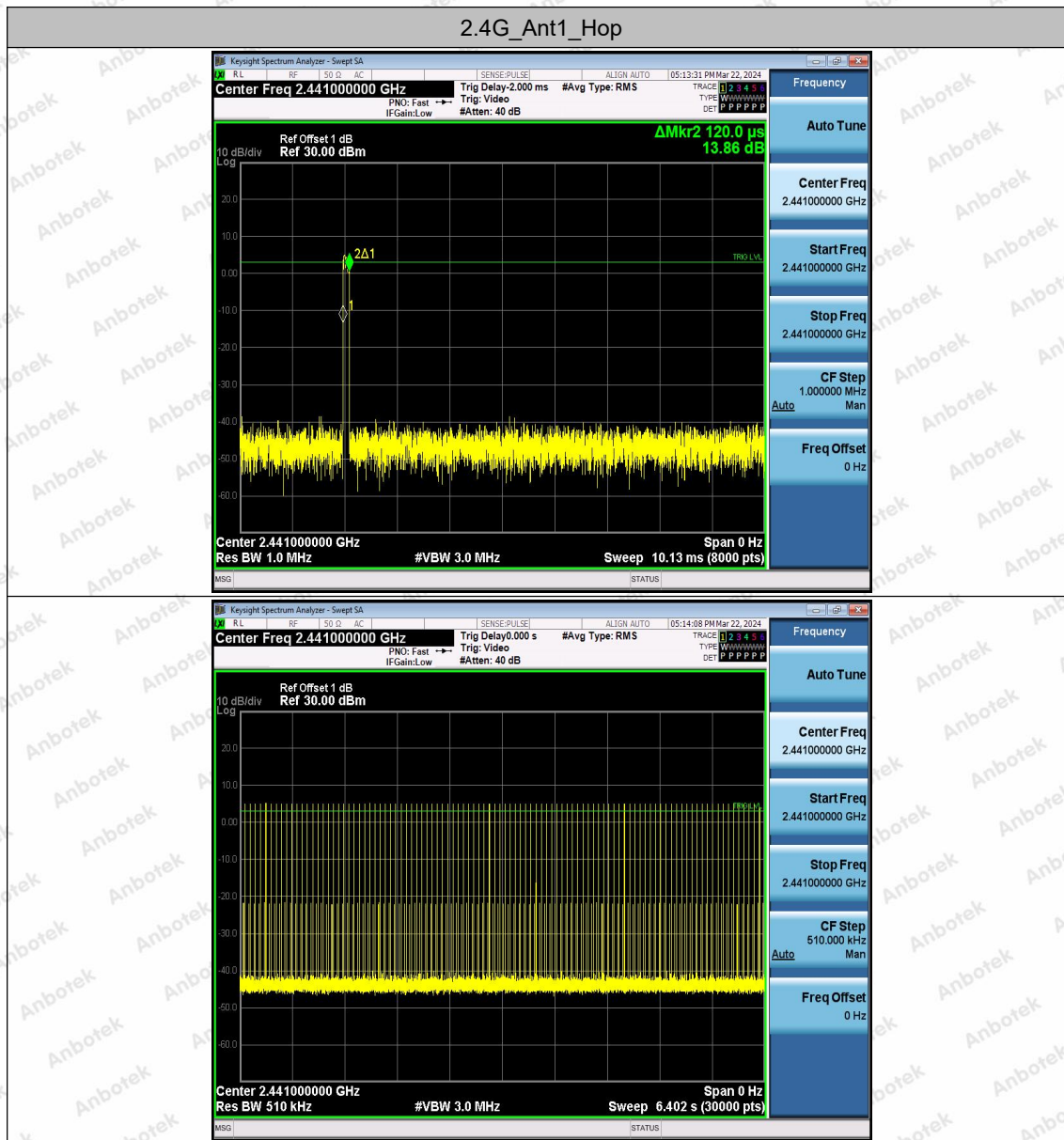


Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.12	101	0.012	≤0.4	PASS

Test Graphs



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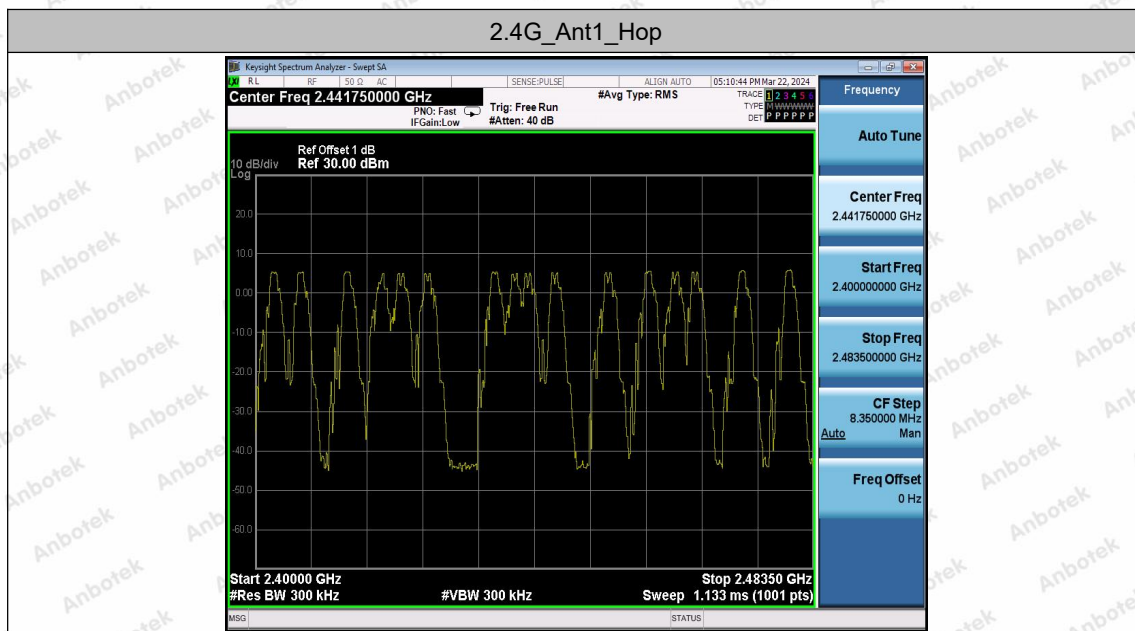


Appendix F: Number of Hopping Channel

Test Result

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

Test Graphs

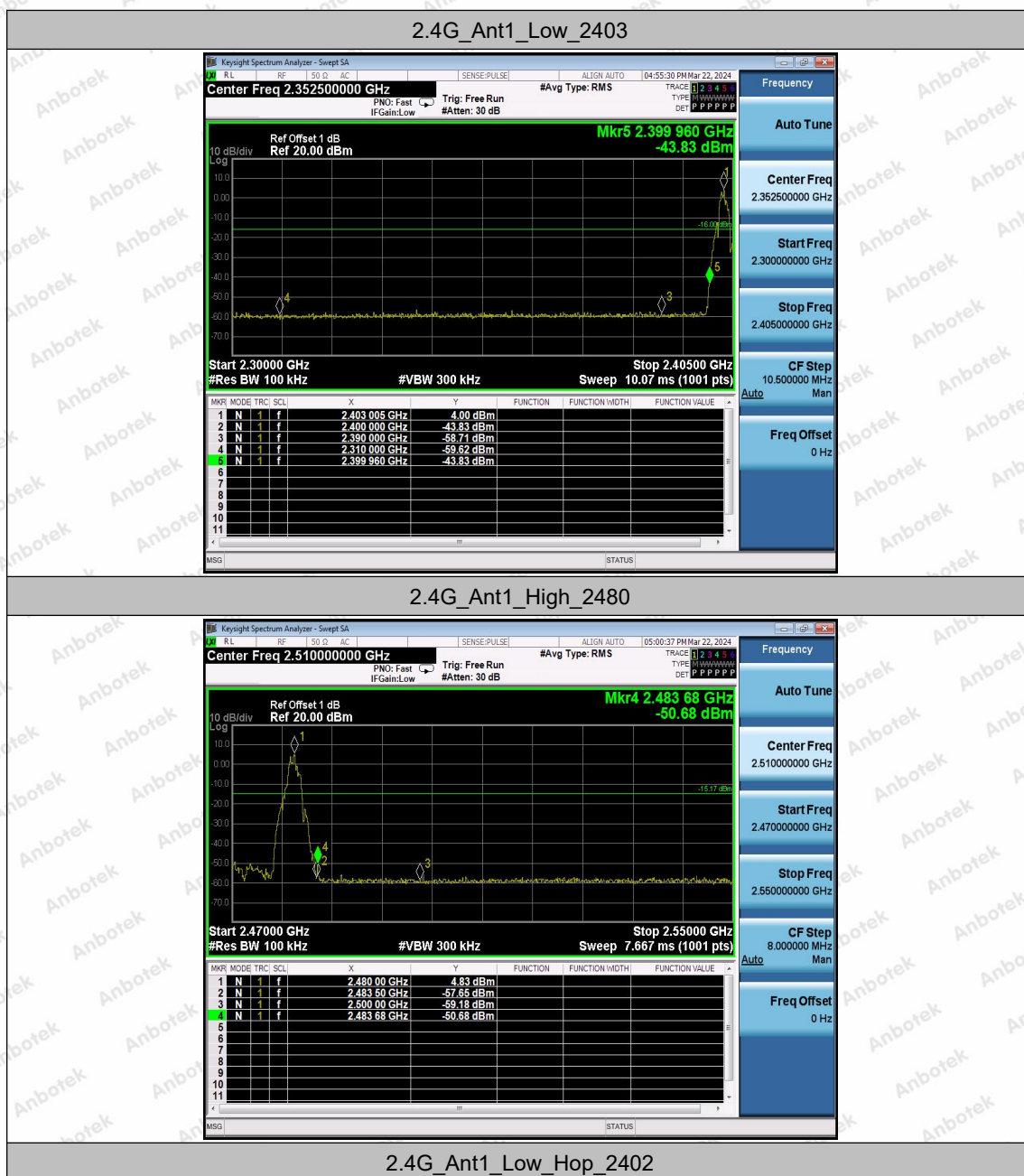


Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	4.00	-43.83	≤-16	PASS
		High	2480	4.83	-50.68	≤-15.17	PASS
		Low	Hop_2402	4.96	-50.6	≤-15.04	PASS
		High	Hop_2480	4.76	-51.81	≤-15.25	PASS

Test Graphs



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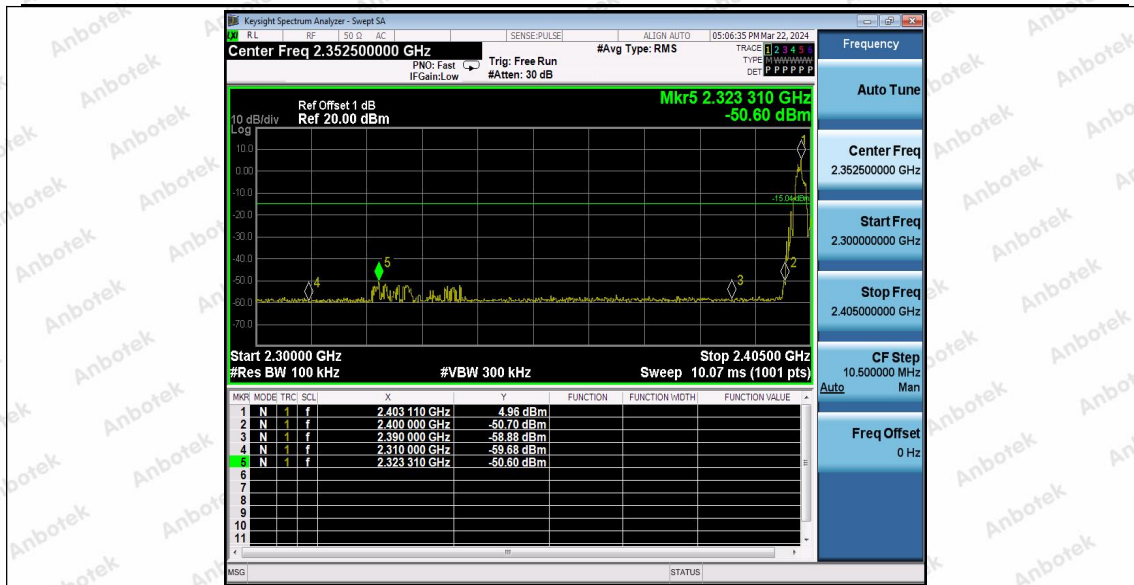


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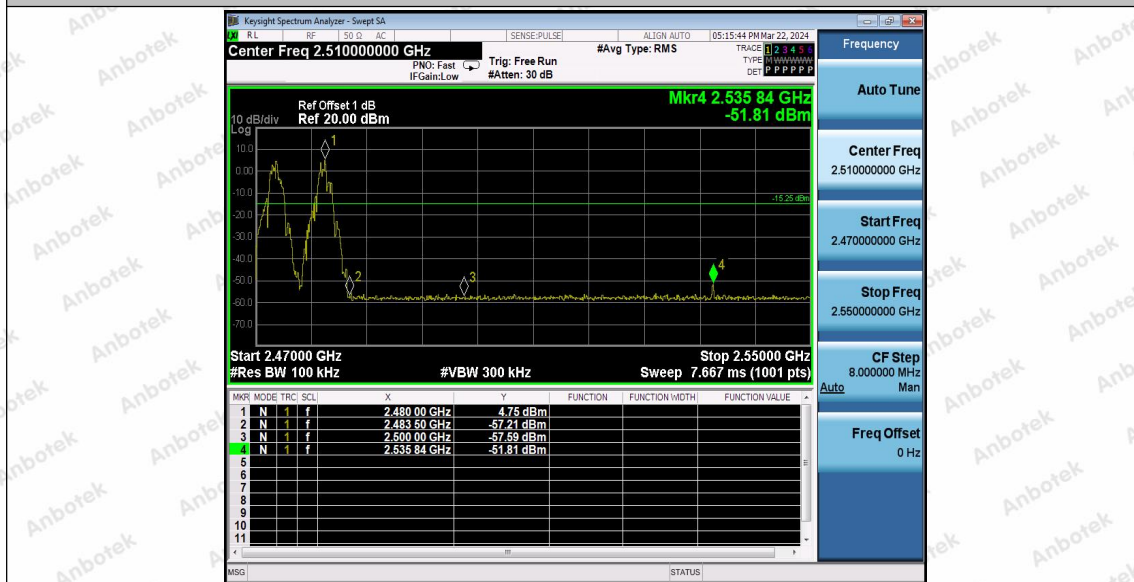
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2.4G_Ant1_High_Hop_2480

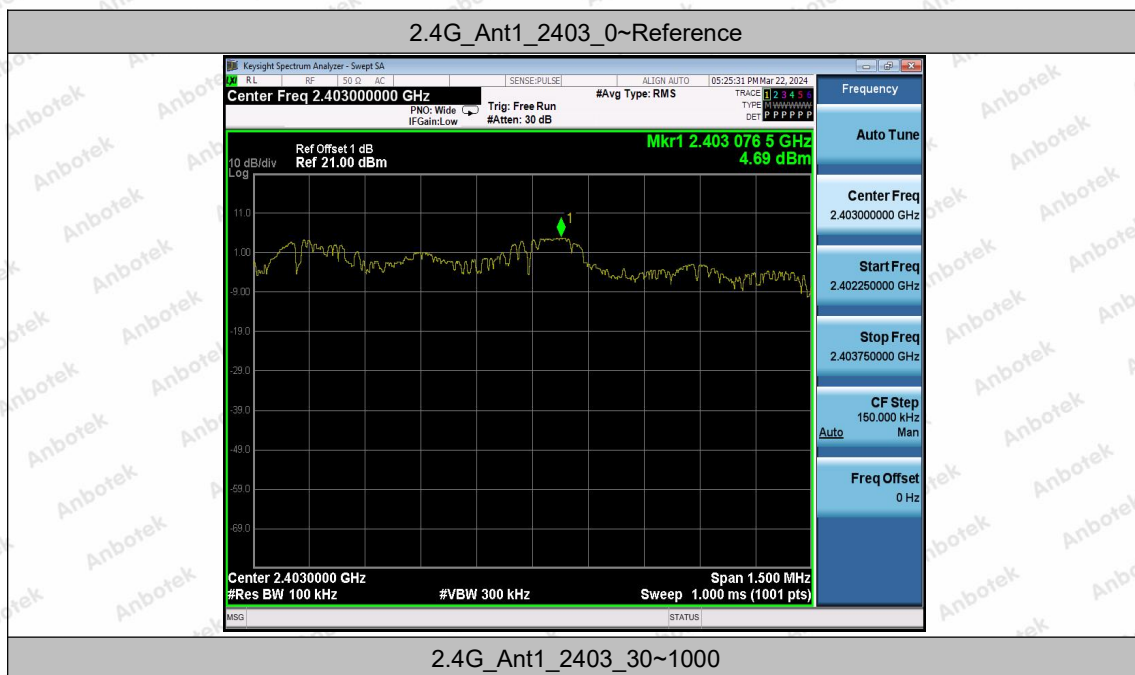


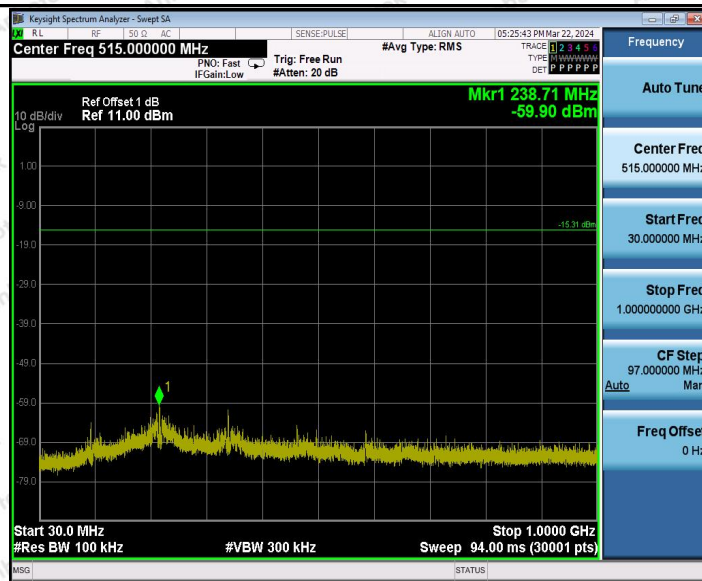
Appendix H: Conducted Spurious Emission

Test Result

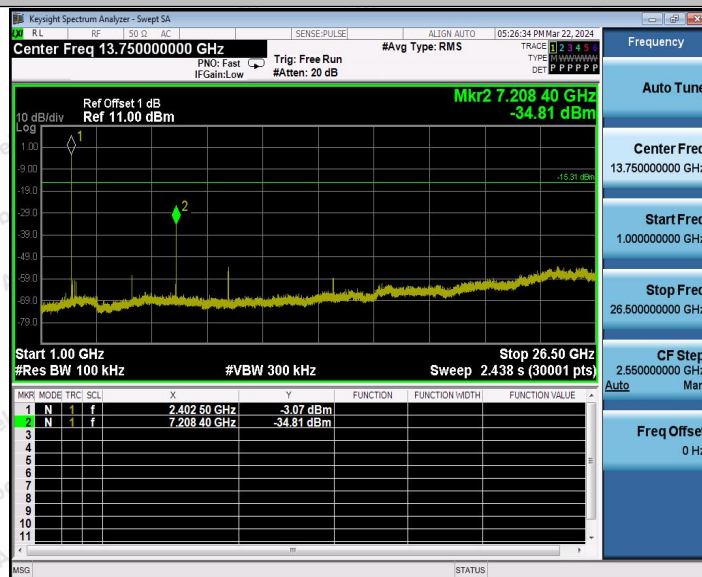
Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	Reference	4.69	4.69	---	PASS
			30~1000	4.69	-59.9	≤-15.31	PASS
			1000~26500	4.69	-34.81	≤-15.31	PASS
		2441	Reference	4.68	4.68	---	PASS
			30~1000	4.68	-59.66	≤-15.32	PASS
			1000~26500	4.68	-27.79	≤-15.32	PASS
		2480	Reference	5.26	5.26	---	PASS
			30~1000	5.26	-59.78	≤-14.74	PASS
			1000~26500	5.26	-37.17	≤-14.74	PASS

Test Graphs





2.4G_Ant1_2403_1000~26500



2.4G_Ant1_2441_0~Reference



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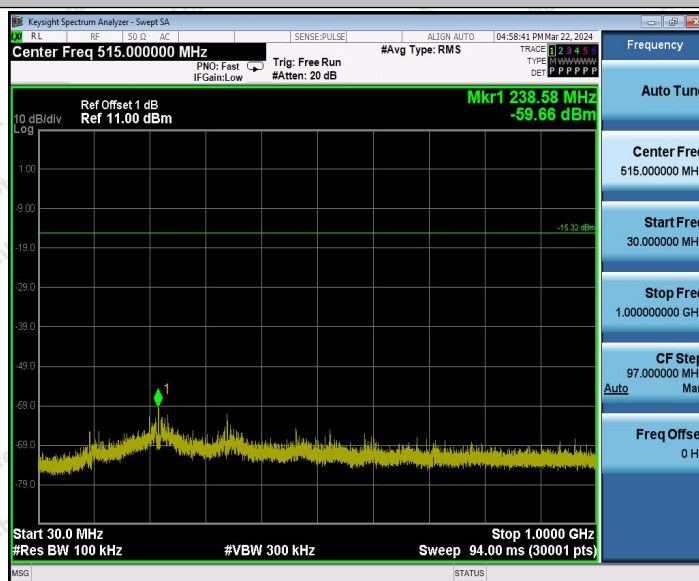


Hotline

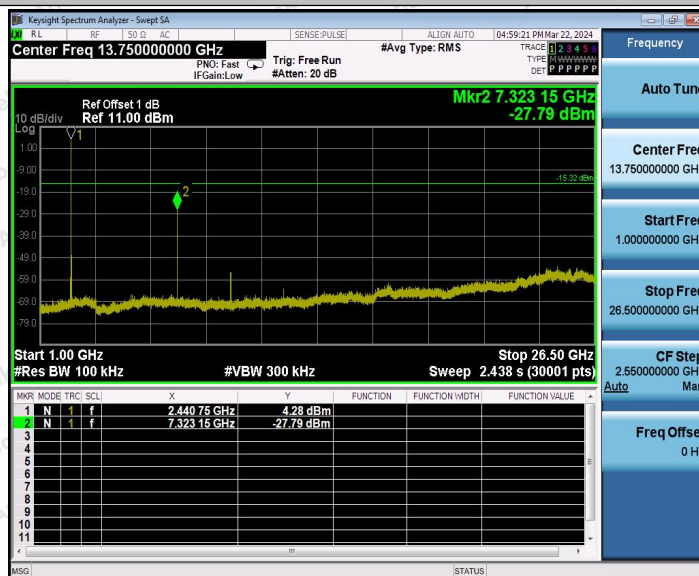
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2.4G_Ant1_2441_30~1000



2.4G_Ant1_2441_1000~26500



2.4G_Ant1_2480_0~Reference

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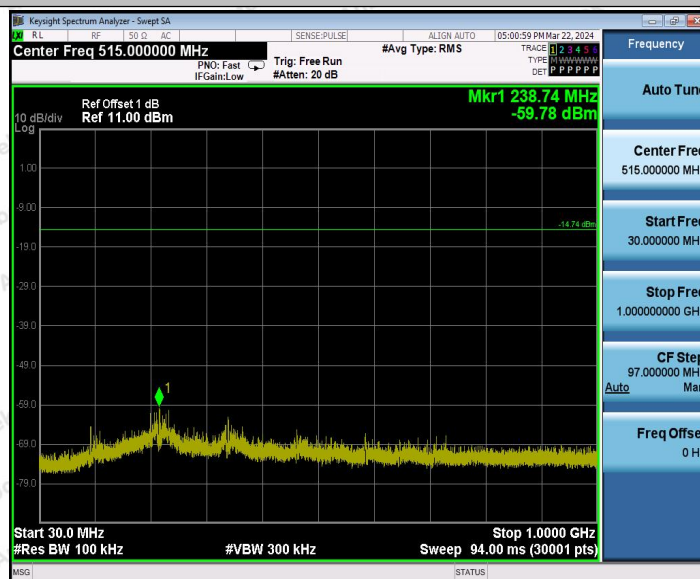


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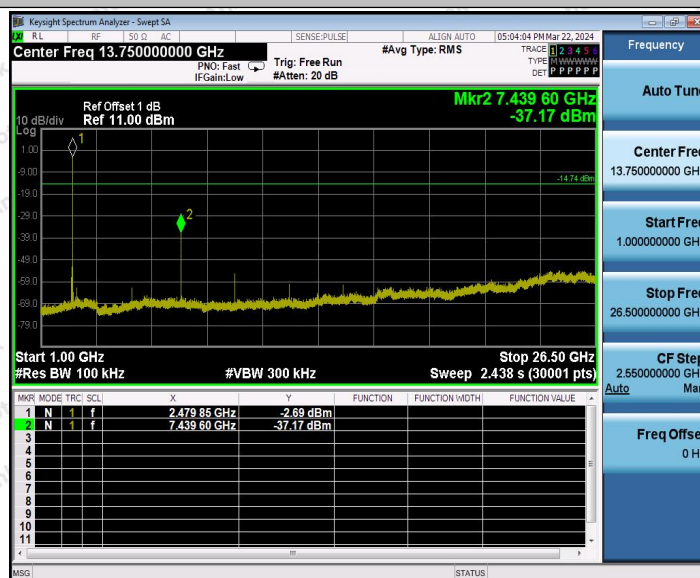




2.4G_Ant1_2480_30~1000



2.4G_Ant1_2480_1000~26500



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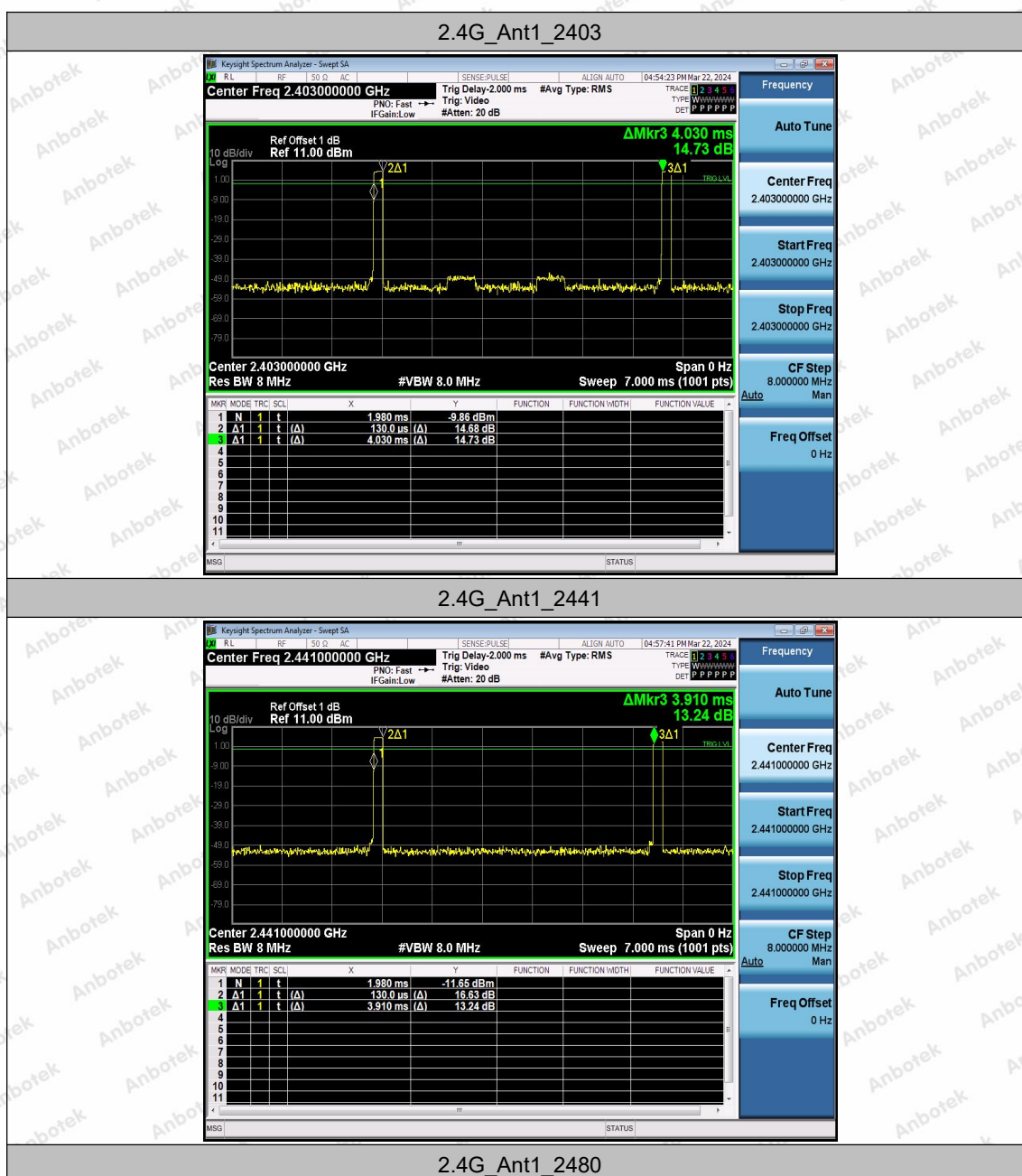


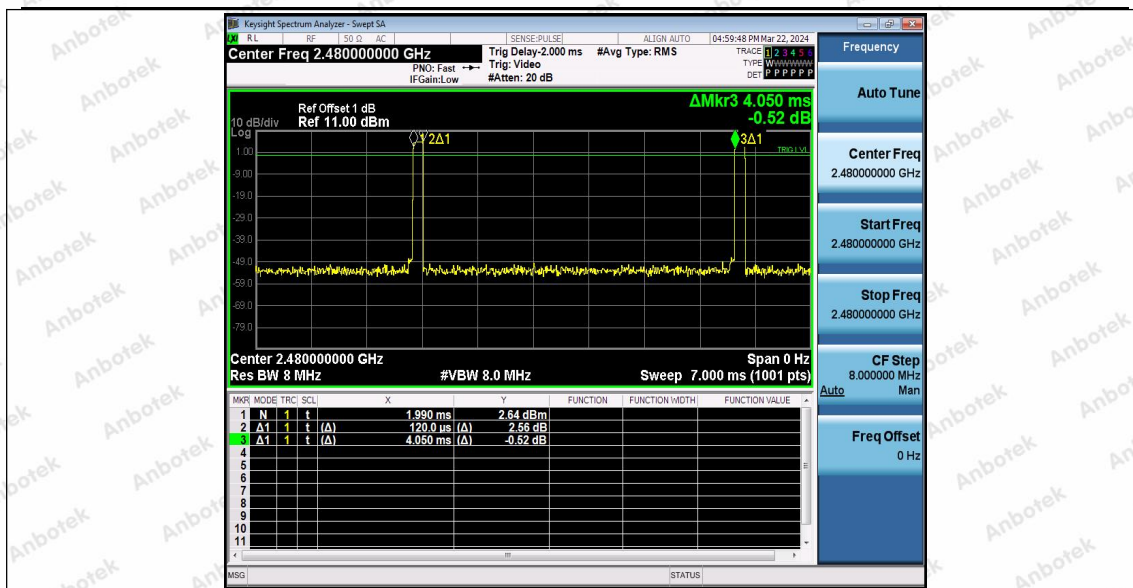
Appendix I: Duty Cycle

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	4.03	3.23	14.91
		2441	0.13	3.91	3.32	14.79
		2480	0.12	4.05	2.96	15.29

Test Graphs





---END---

