

Appendix Test Data

Report No.:	18220WC40045401	Test Sample No.:	1-2-2
Start Test Date:	2024.3.26	Finish Test Date:	2024.3.26
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
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	2402	2.049	2400.977	2403.026	---	---
		2440	2.055	2438.974	2441.029	---	---
		2480	2.058	2478.977	2481.035	---	---

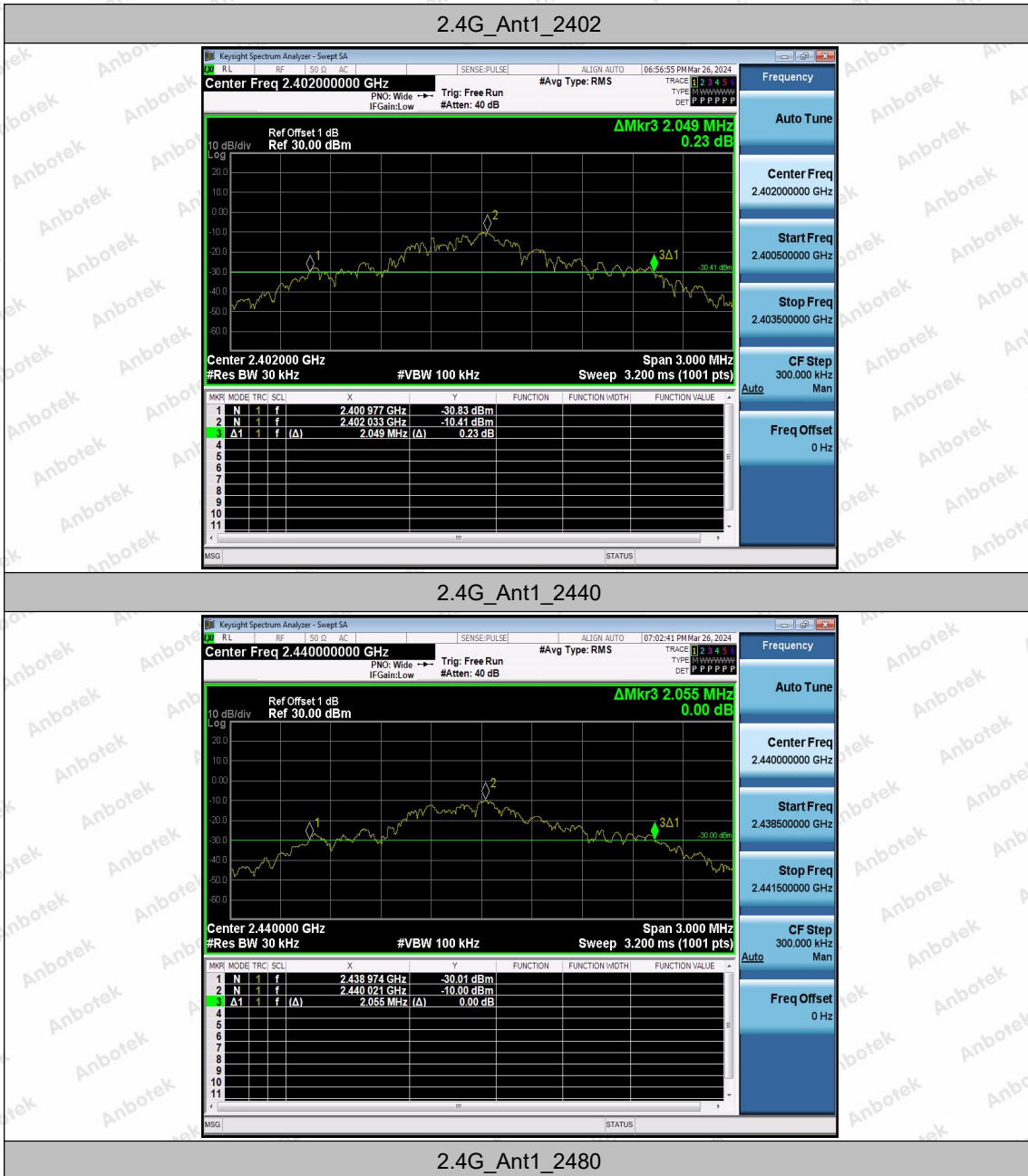
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Test Graphs



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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	1.9603	2401.0283	2402.9886	---	---
		2440	1.9827	2439.0186	2441.0013	---	---
		2480	1.9977	2479.0115	2481.0092	---	---

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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	-4.34	≤20.97	PASS
		2440	-4.05	≤20.97	PASS
		2480	-3.87	≤20.97	PASS

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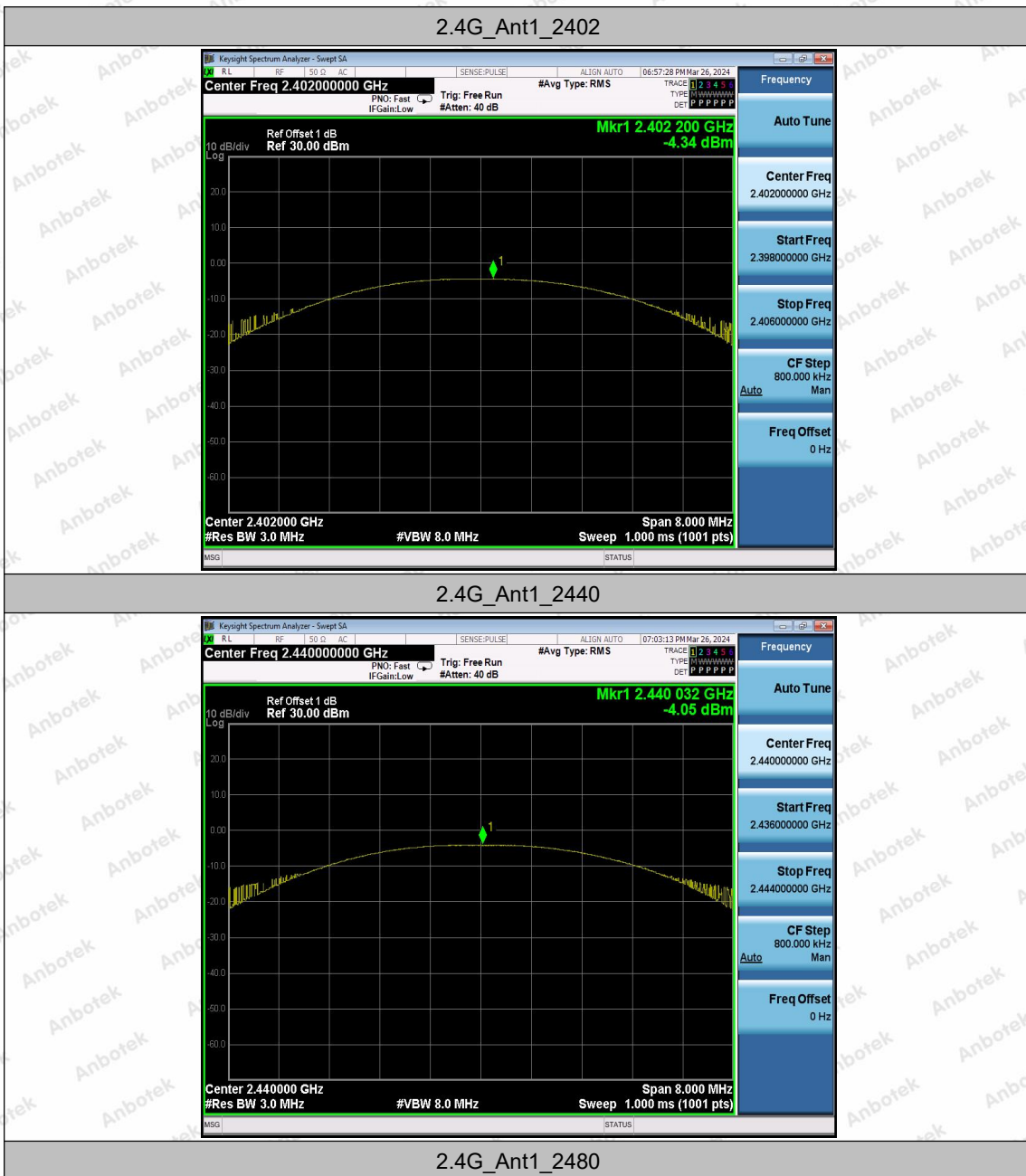
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Appendix D: Carrier Frequency Separation

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.01	≥1.372	PASS

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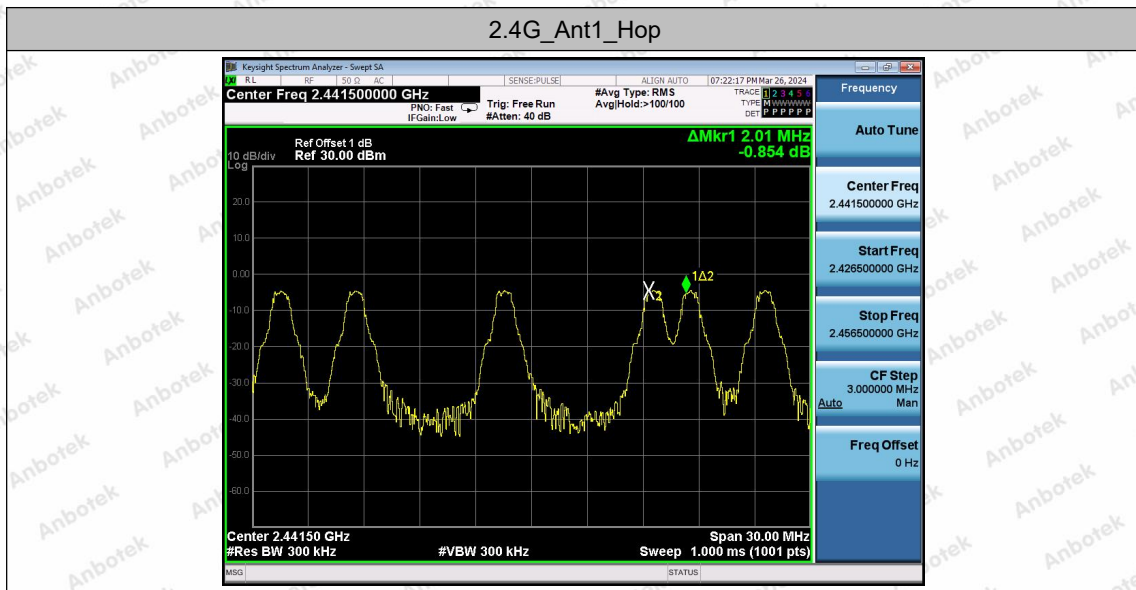
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.10	101	0.010	≤0.4	PASS

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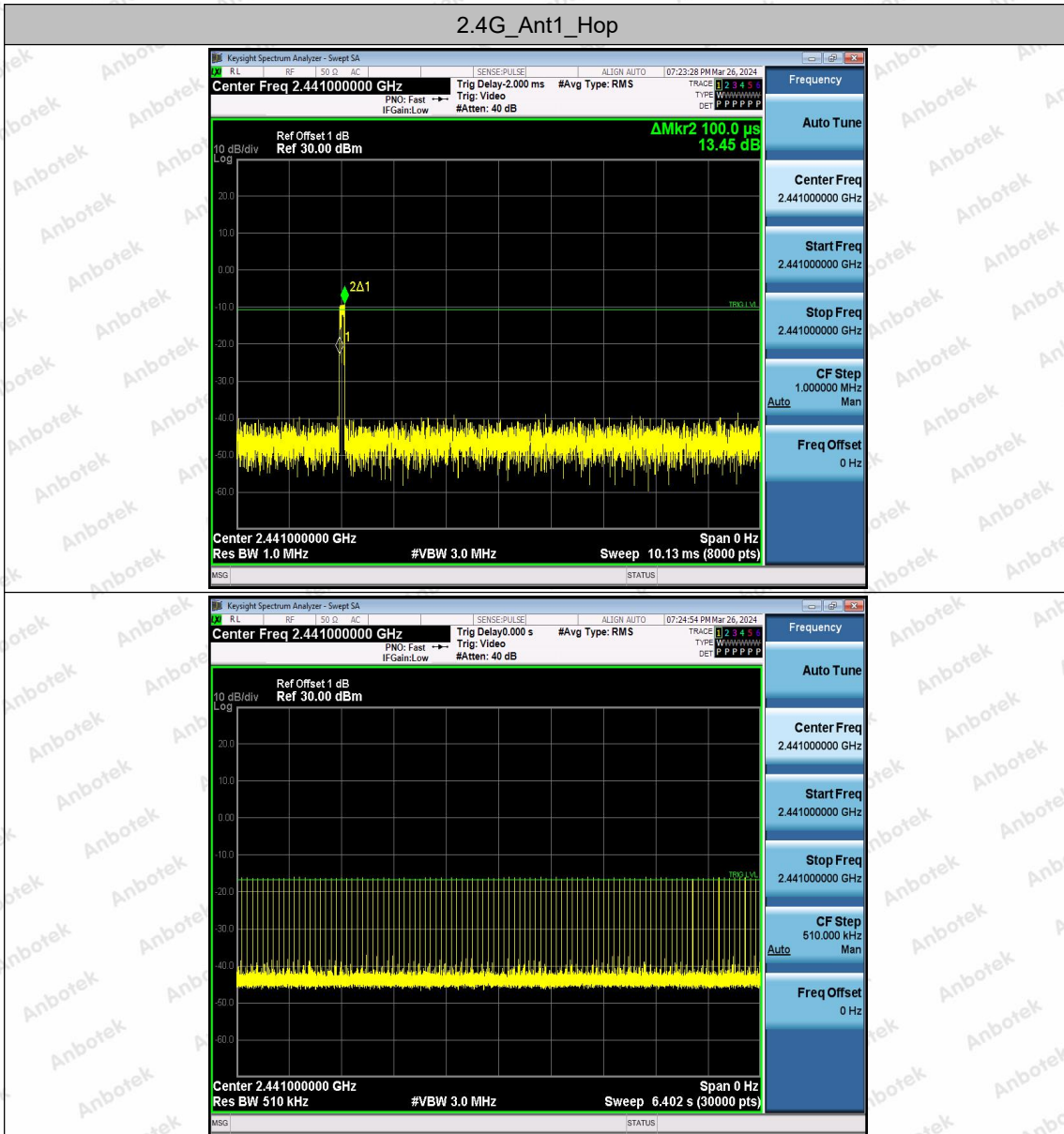
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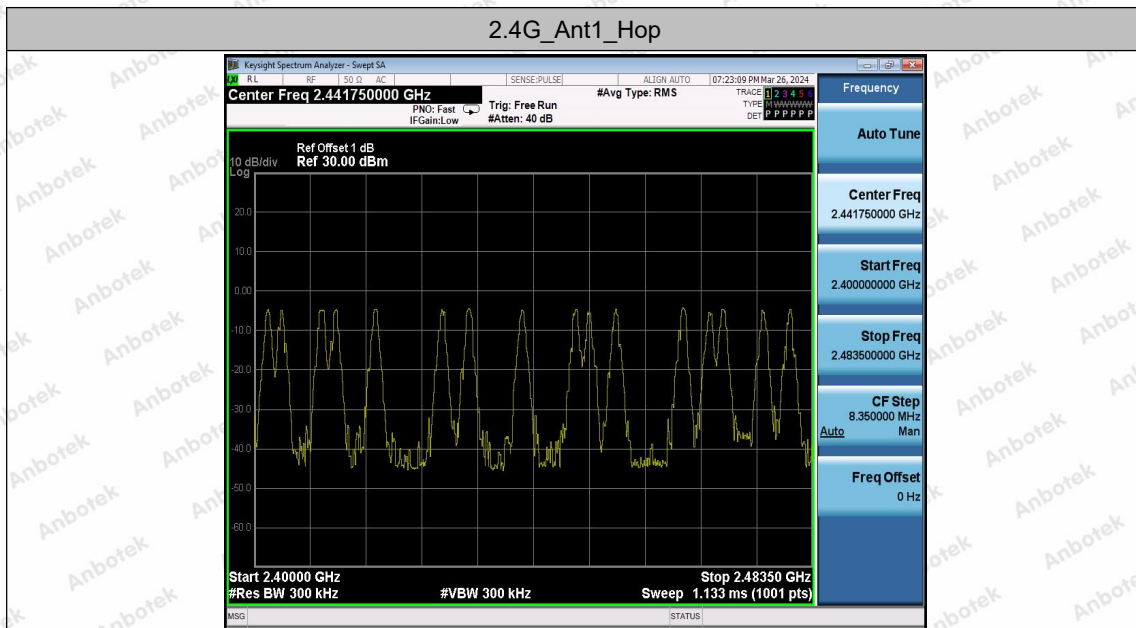
Appendix F: Number of Hopping Channel

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
2.4G	Ant1	Hop	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	2402	-4.73	-42.14	≤-24.73	PASS
		High	2480	-4.32	-46.19	≤-24.32	PASS
		Low	Hop_2402	-4.82	-49.45	≤-24.82	PASS
		High	Hop_2480	-4.41	-33.01	≤-24.41	PASS

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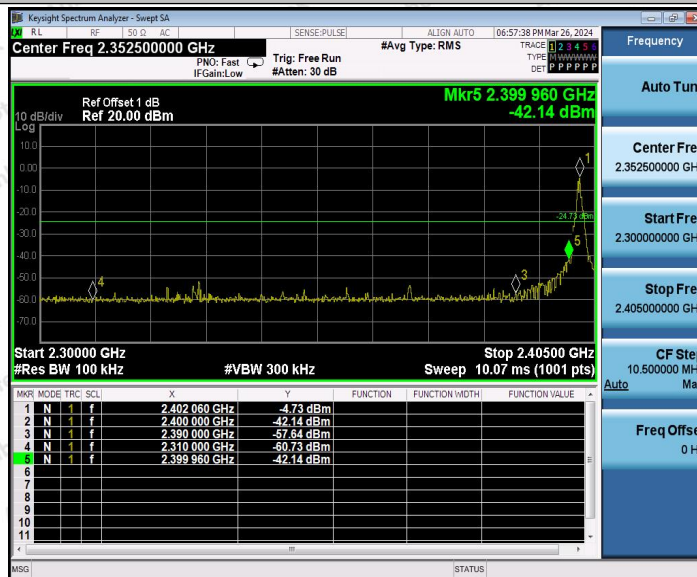


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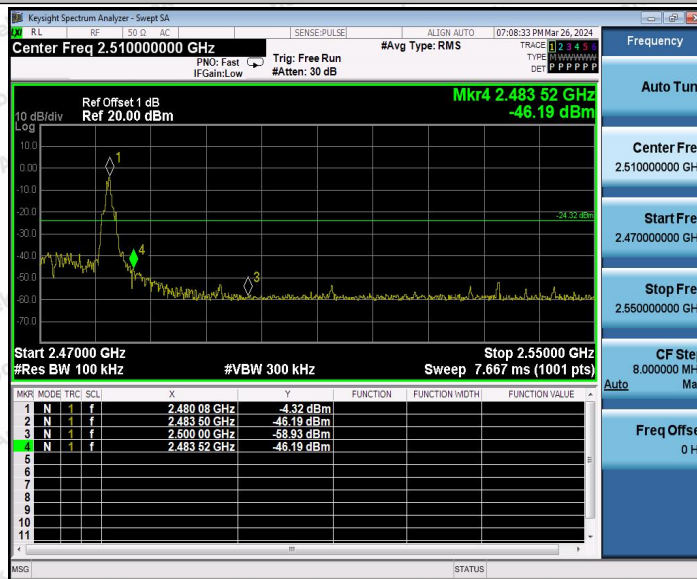


Test Graphs

2.4G_Ant1_Low_2402



2.4G_Ant1_High_2480



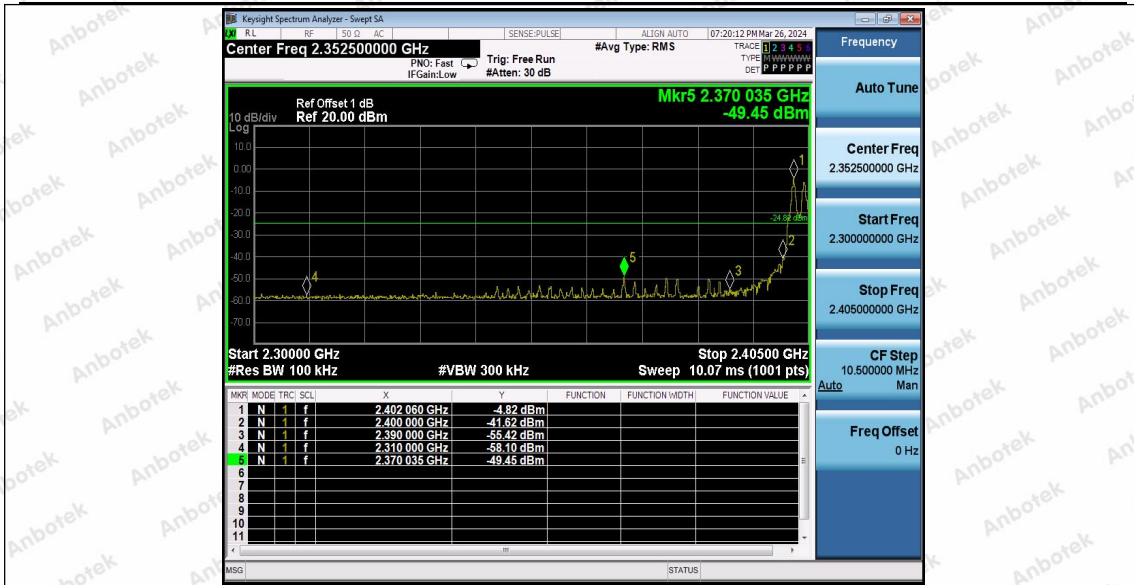
2.4G_Ant1_Low_Hop_2402

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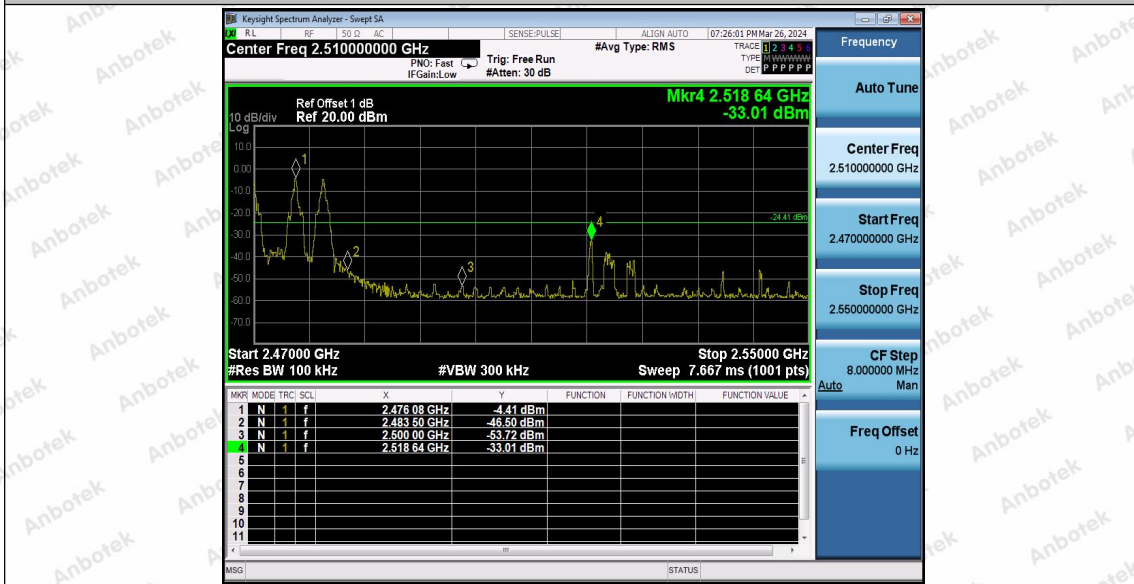
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2.4G_Ant1_High_Hop_2480



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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	2402	Reference	-5.20	-5.20	---	PASS
			30~1000	-5.20	-49.55	≤-25.2	PASS
			1000~26500	-5.20	-53.55	≤-25.2	PASS
		2440	Reference	-4.86	-4.86	---	PASS
			30~1000	-4.86	-53.94	≤-24.86	PASS
			1000~26500	-4.86	-48.99	≤-24.86	PASS
		2480	Reference	-4.78	-4.78	---	PASS
			30~1000	-4.78	-48.22	≤-24.78	PASS
			1000~26500	-4.78	-50.14	≤-24.78	PASS

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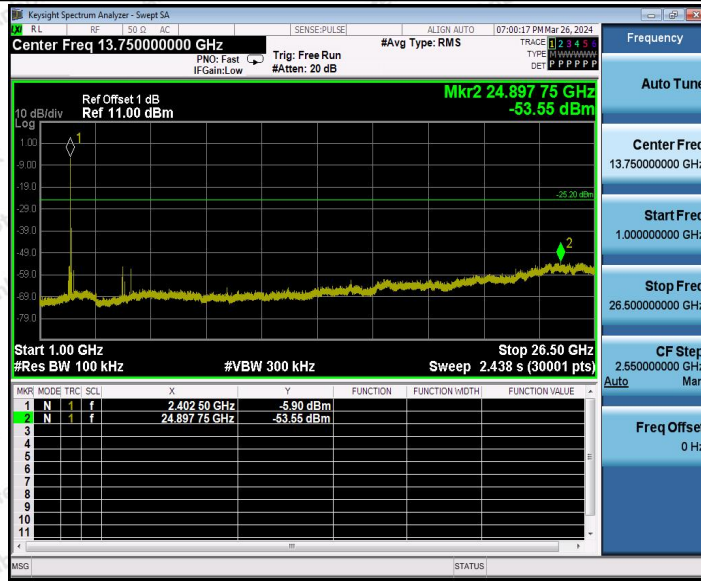


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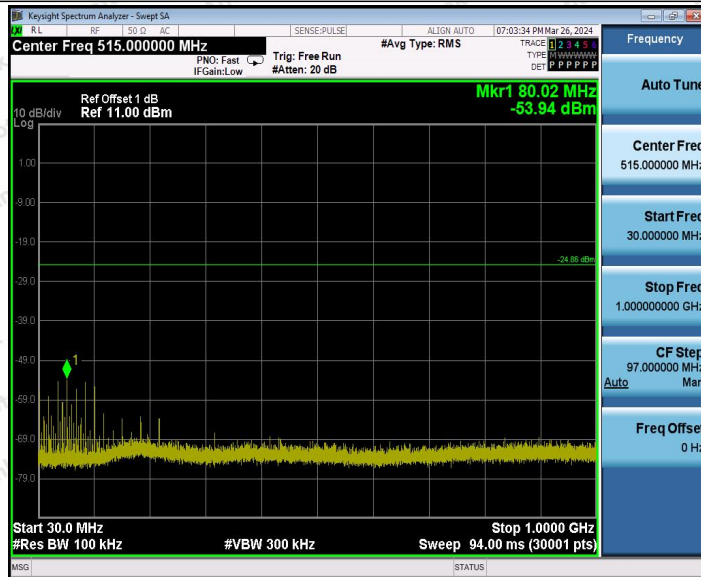




2.4G_Ant1_2440_0~Reference



2.4G_Ant1_2440_30~1000

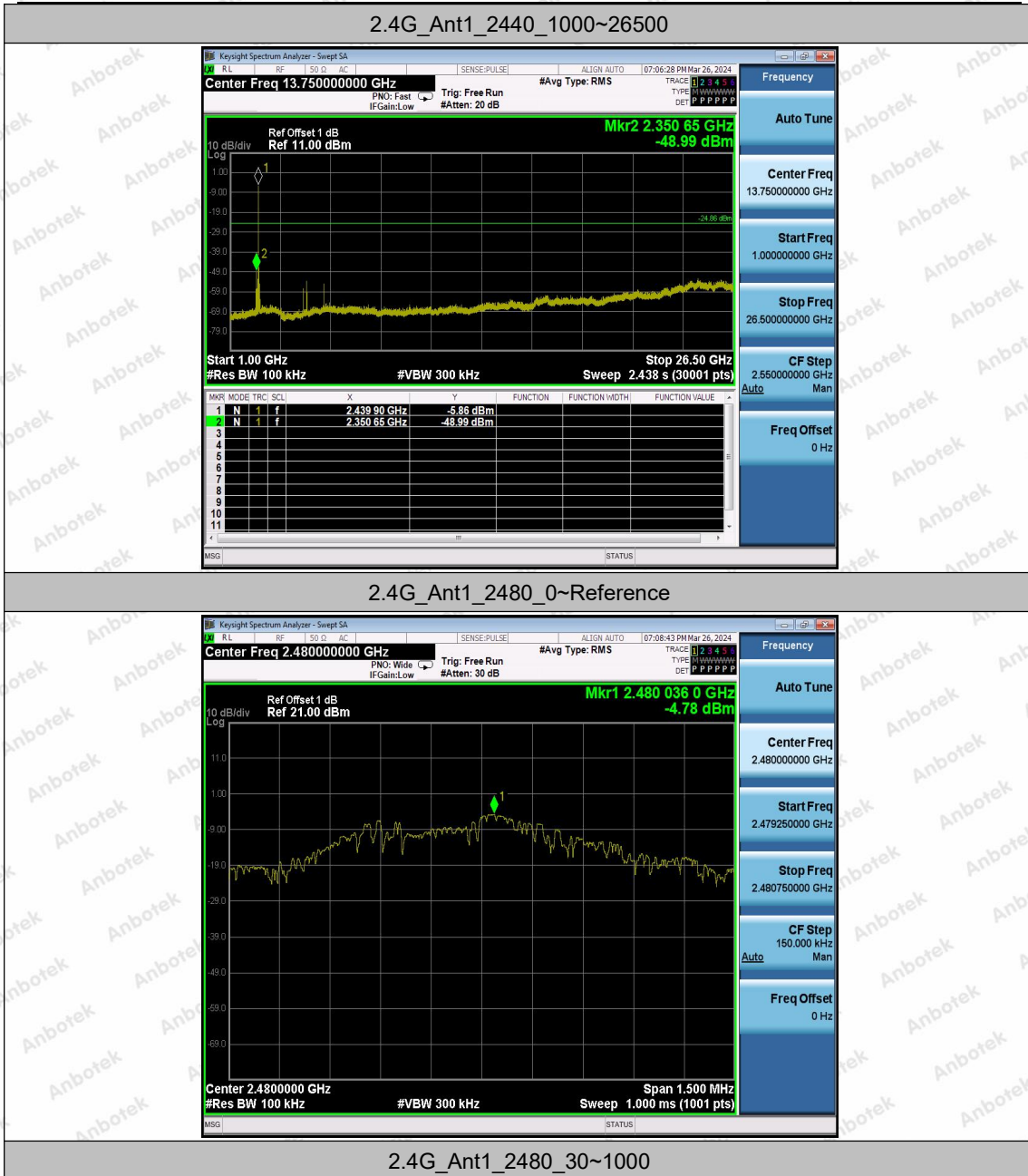


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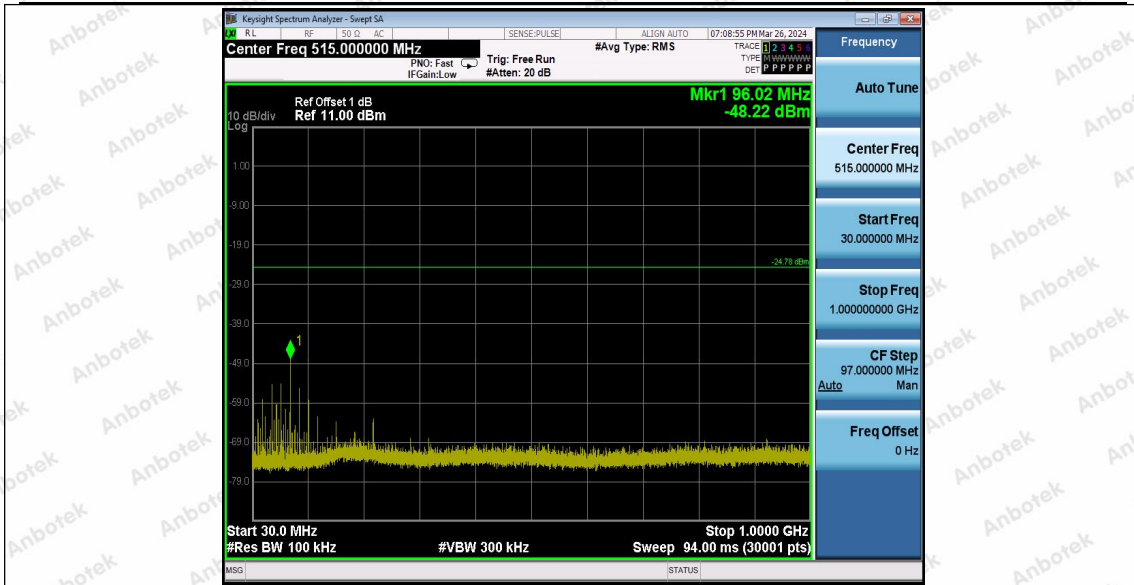


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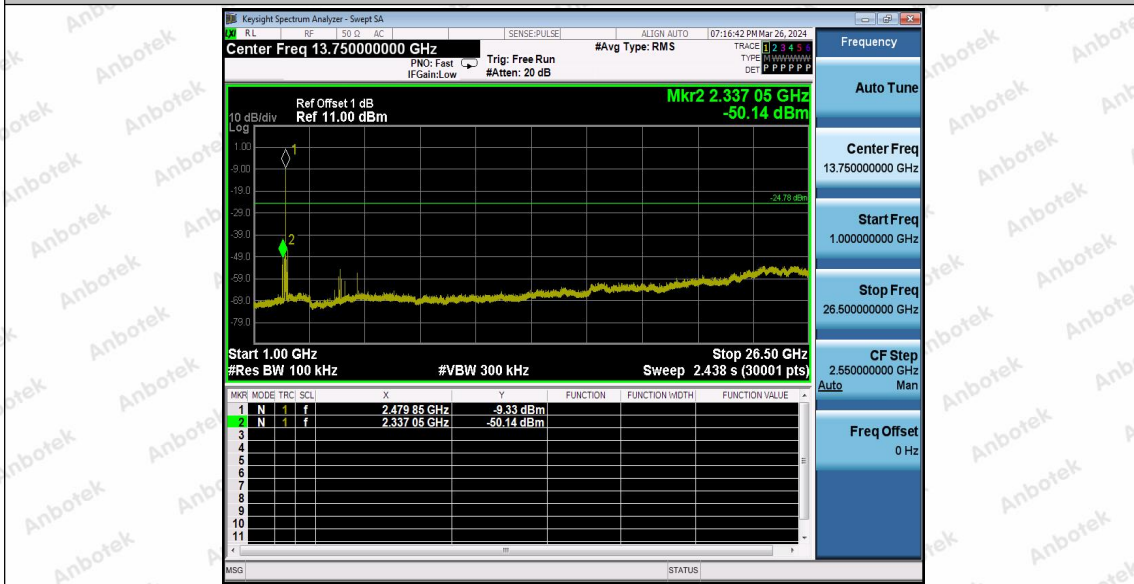
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2.4G_Ant1_2480_1000~26500



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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	2402	0.05	4.00	1.25	19.03
		2440	0.05	4.00	1.25	19.03
		2480	0.05	4.00	1.25	19.03

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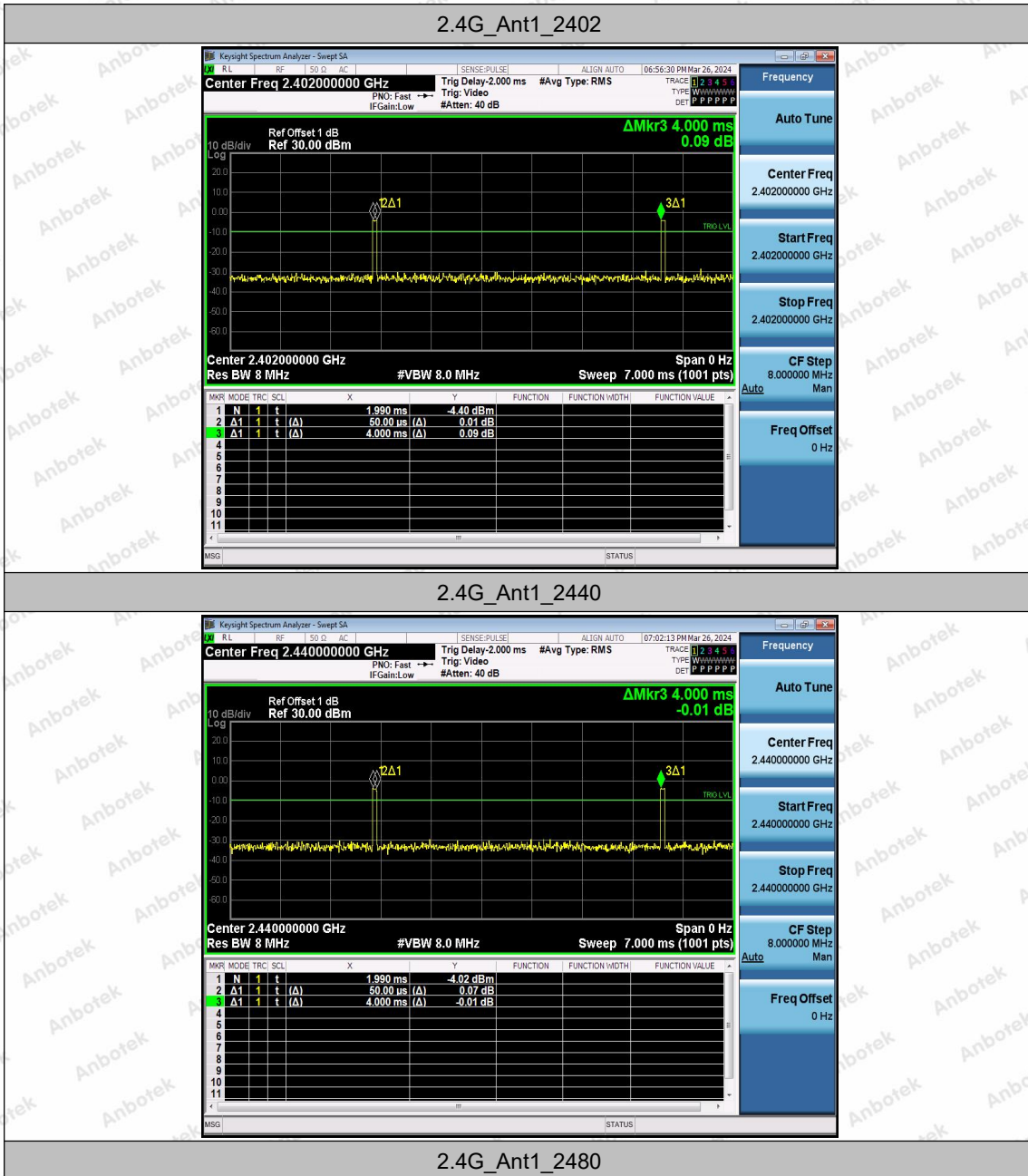
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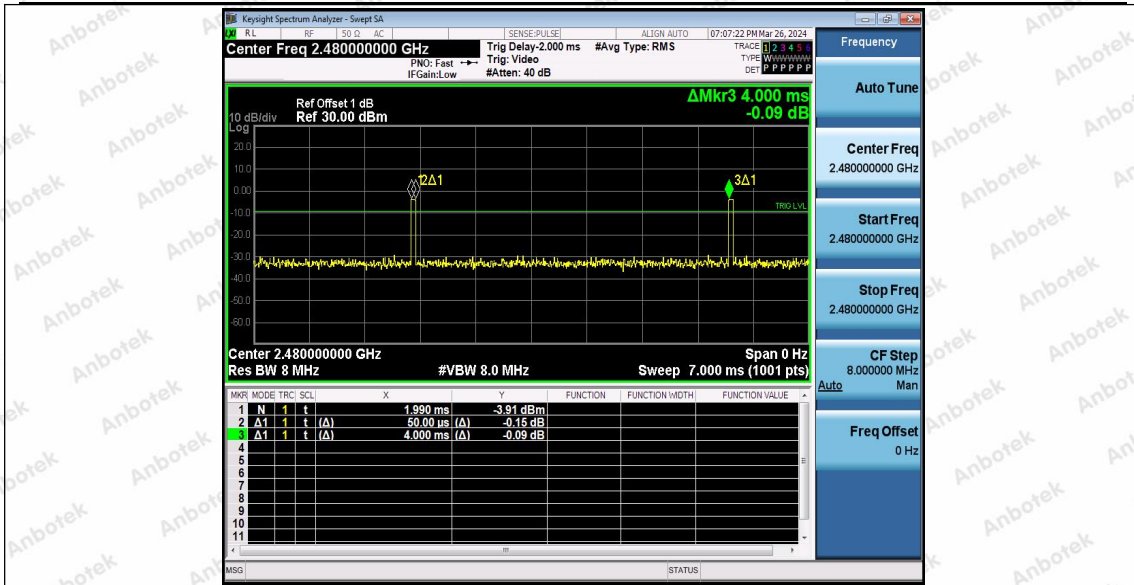


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