

Appendix Test Data

Report No.:	18220WC30063301	Test Sample No.:	1-2-2
Start Test Date:	2023.04.14	Finish Test Date:	2023.04.16
Test Engineer:	Rock Luo	Auditor:	Edward Pan
Temperature:	25.3℃	Relative Humidity:	47 %
Pressure:	1012 hPa		

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402	2.034	2400.974	2403.008	---	---
		2440	2.067	2438.914	2440.981	---	---
		2480	2.298	2478.899	2481.197	---	---



Test Graphs

2.4G_Ant1_2402



2.4G_Ant1_2440



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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402	1.9483	2401.0280	2402.9763	---	---
		2440	1.9277	2439.0042	2440.9319	---	---
		2480	2.0138	2479.0287	2481.0425	---	---



Test Graphs



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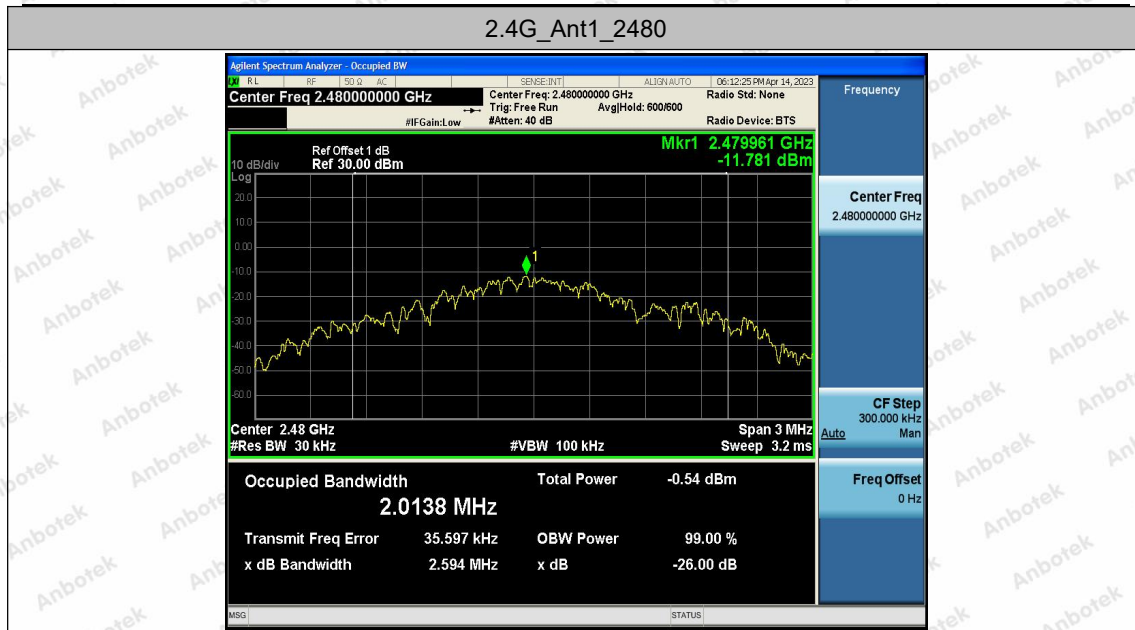


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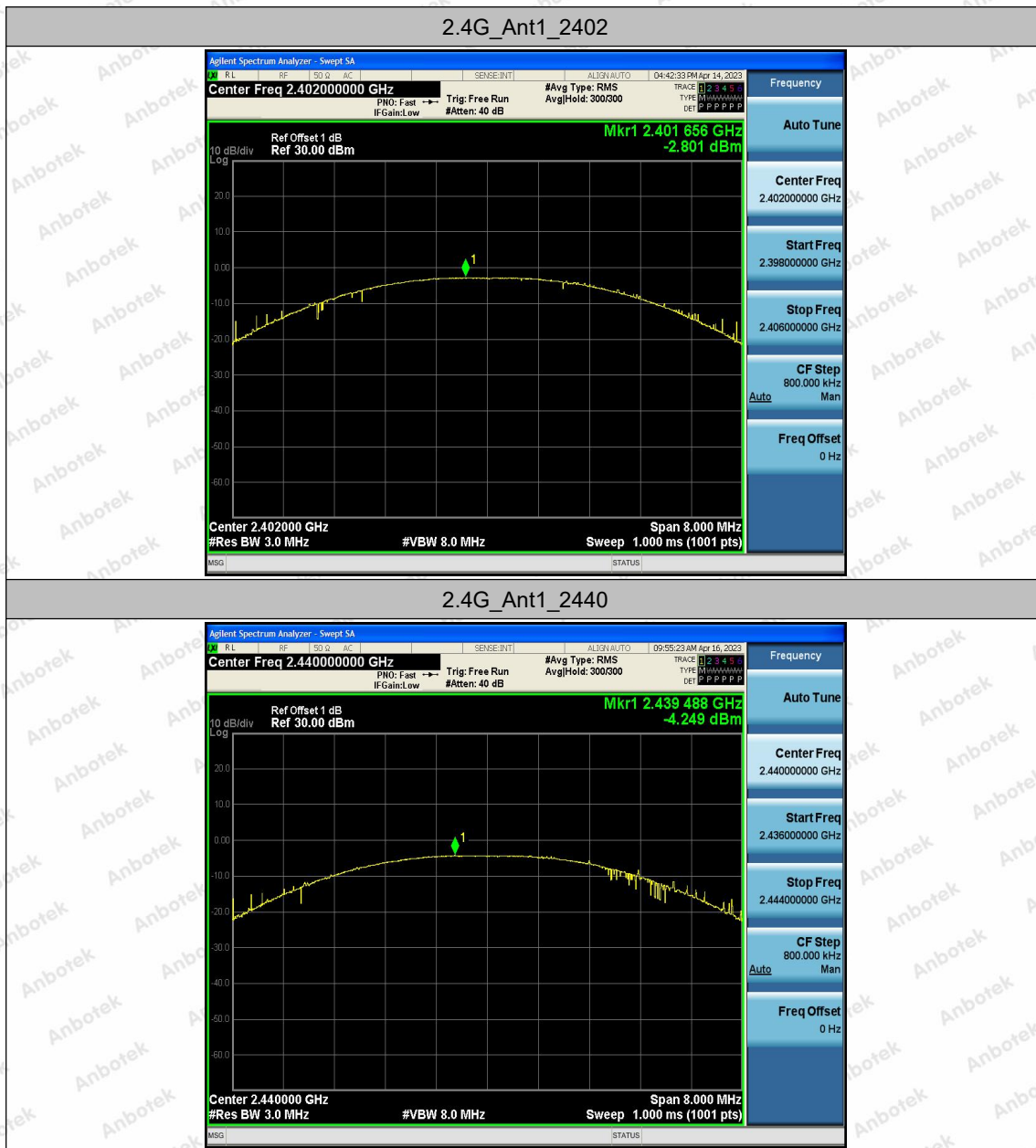
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2402	-2.8	≤30	PASS
		2440	-4.25	≤30	PASS
		2480	-4.82	≤30	PASS



Test Graphs



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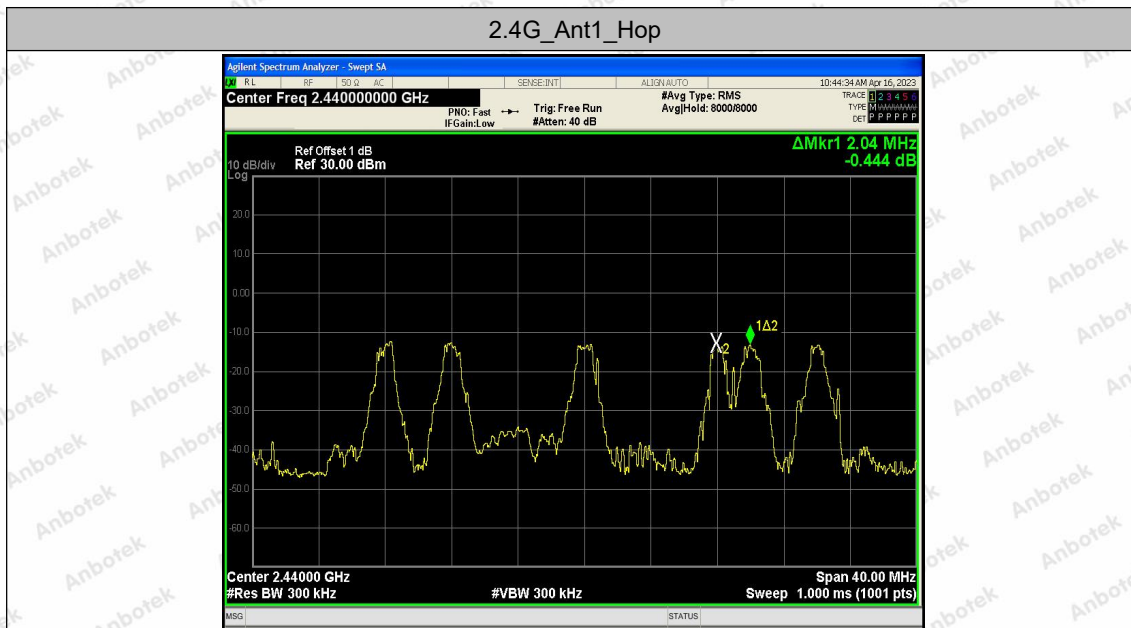
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.04	≥1.532	PASS



Test Graphs



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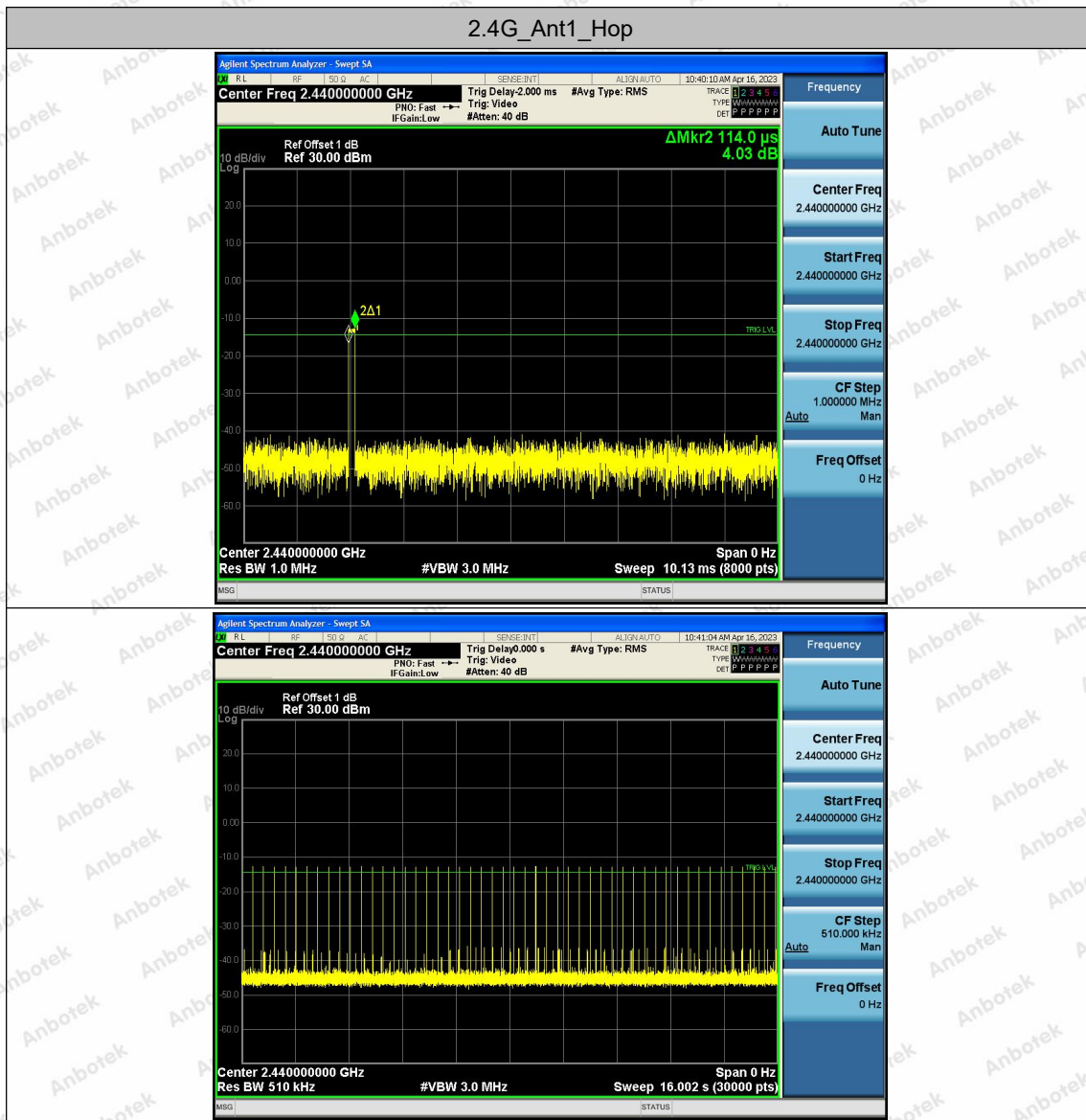
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.114	48	0.005	≤0.4	PASS



Test Graphs



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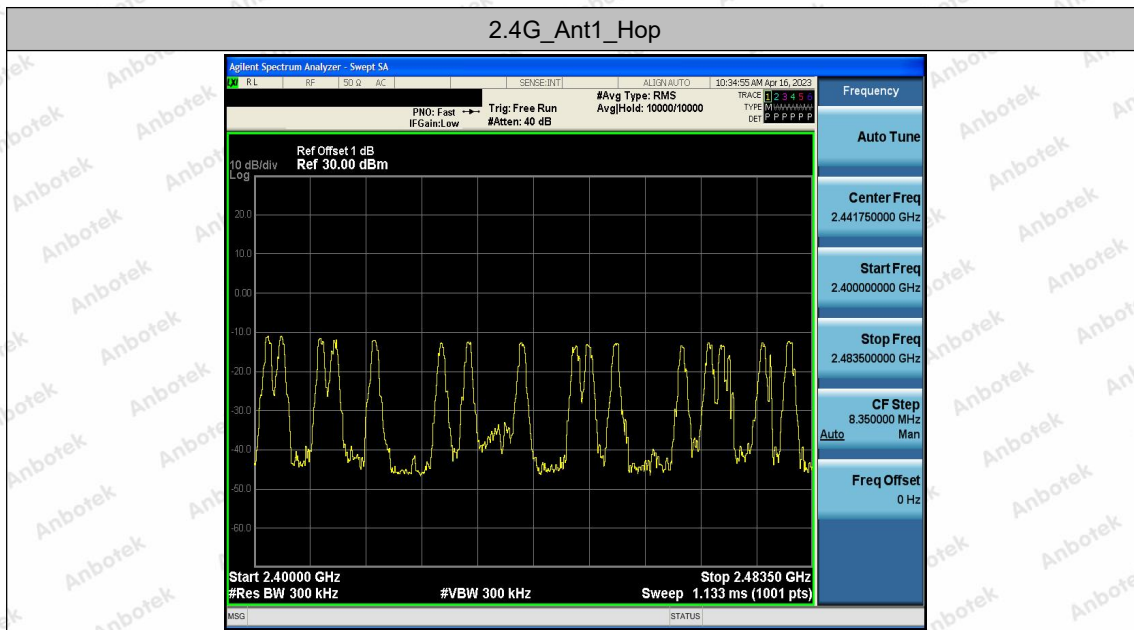
Appendix F: Number of hopping channels

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: Band edge measurements

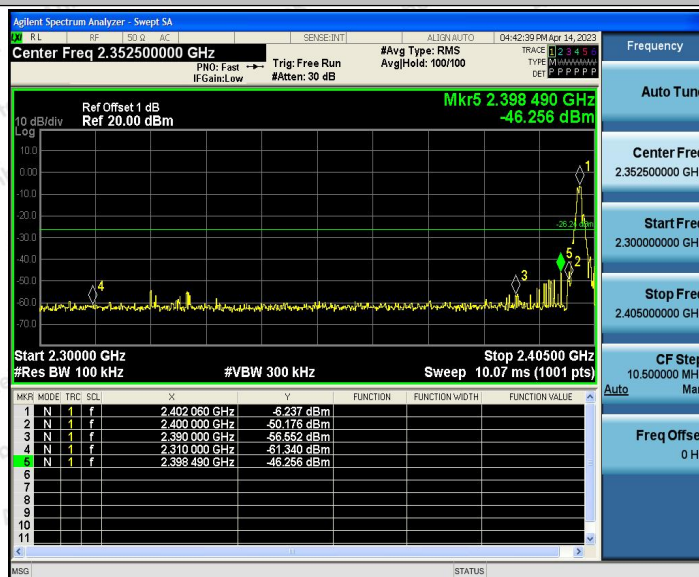
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2402	-6.24	-46.26	≤-26.24	PASS
		High	2480	-7.07	-48.06	≤-27.07	PASS
		Low	Hop_2402	-12.96	-57.22	≤-32.96	PASS
		High	Hop_2480	-14.00	-56.63	≤-34	PASS

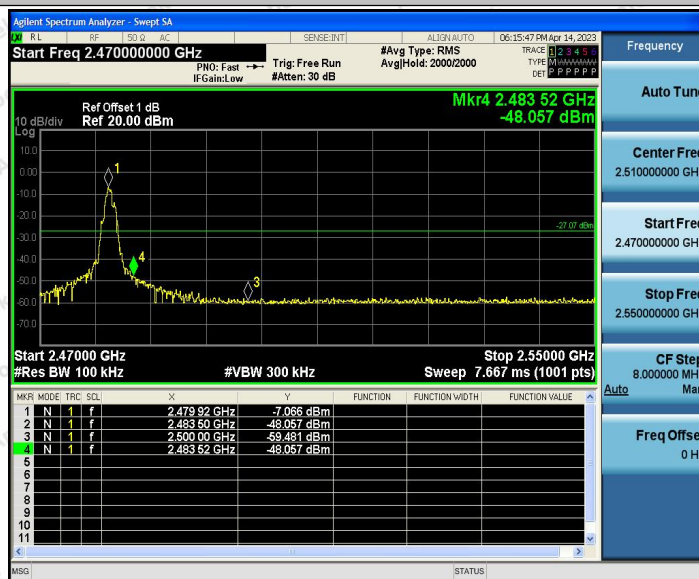


Test Graphs

2.4G_Ant1_Low_2402



2.4G_Ant1_High_2480



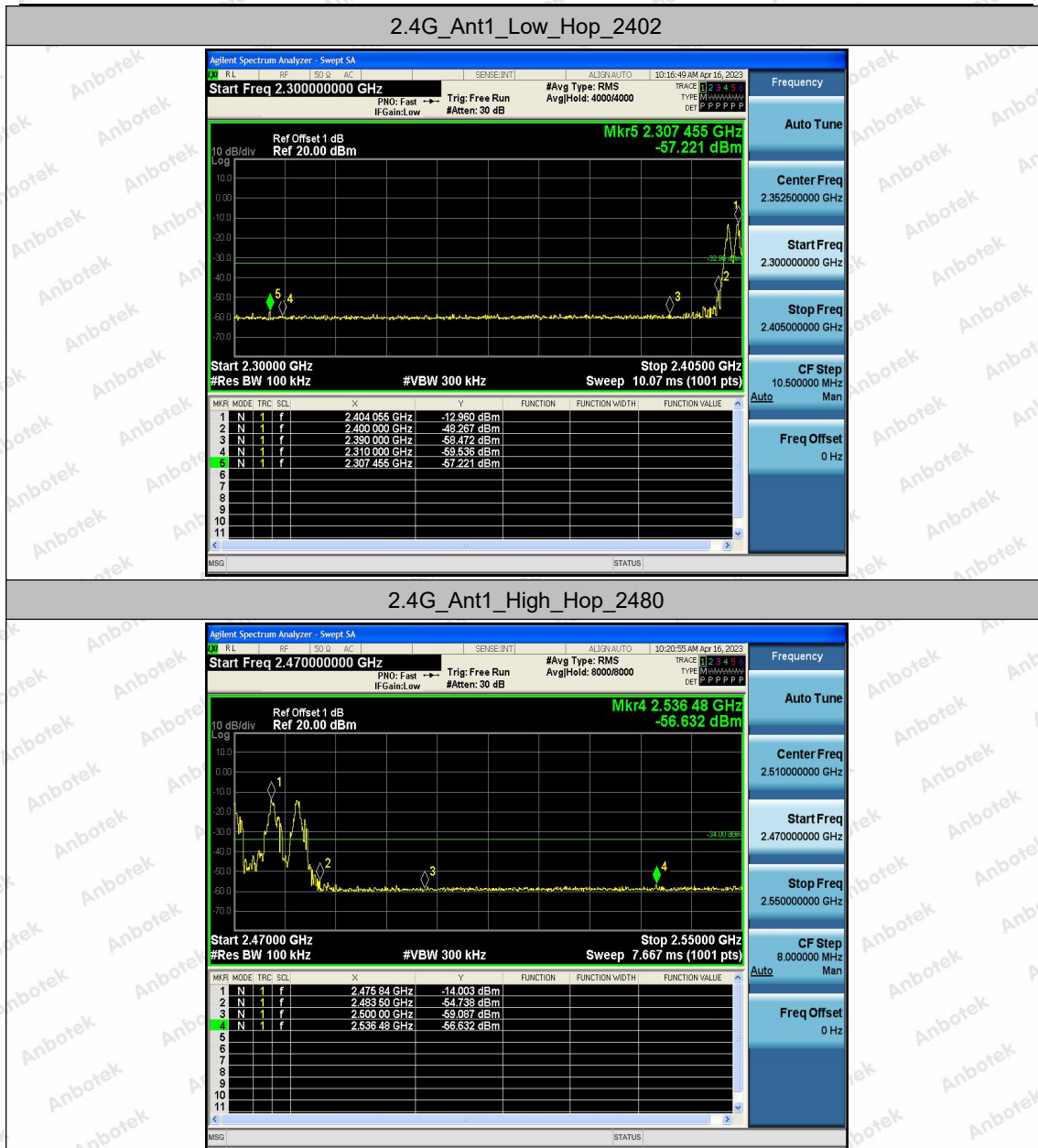
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Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2402	Reference	-5.23	-5.23	---	PASS
			30~1000	-5.23	-69.46	≤-25.23	PASS
			1000~26500	-5.23	-53.66	≤-25.23	PASS
		2440	Reference	-6.46	-6.46	---	PASS
			30~1000	-6.46	-68.75	≤-26.46	PASS
			1000~26500	-6.46	-54.79	≤-26.46	PASS
		2480	Reference	-7.56	-7.56	---	PASS
			30~1000	-7.56	-69.5	≤-27.56	PASS
			1000~26500	-7.56	-40.15	≤-27.56	PASS



Test Graphs



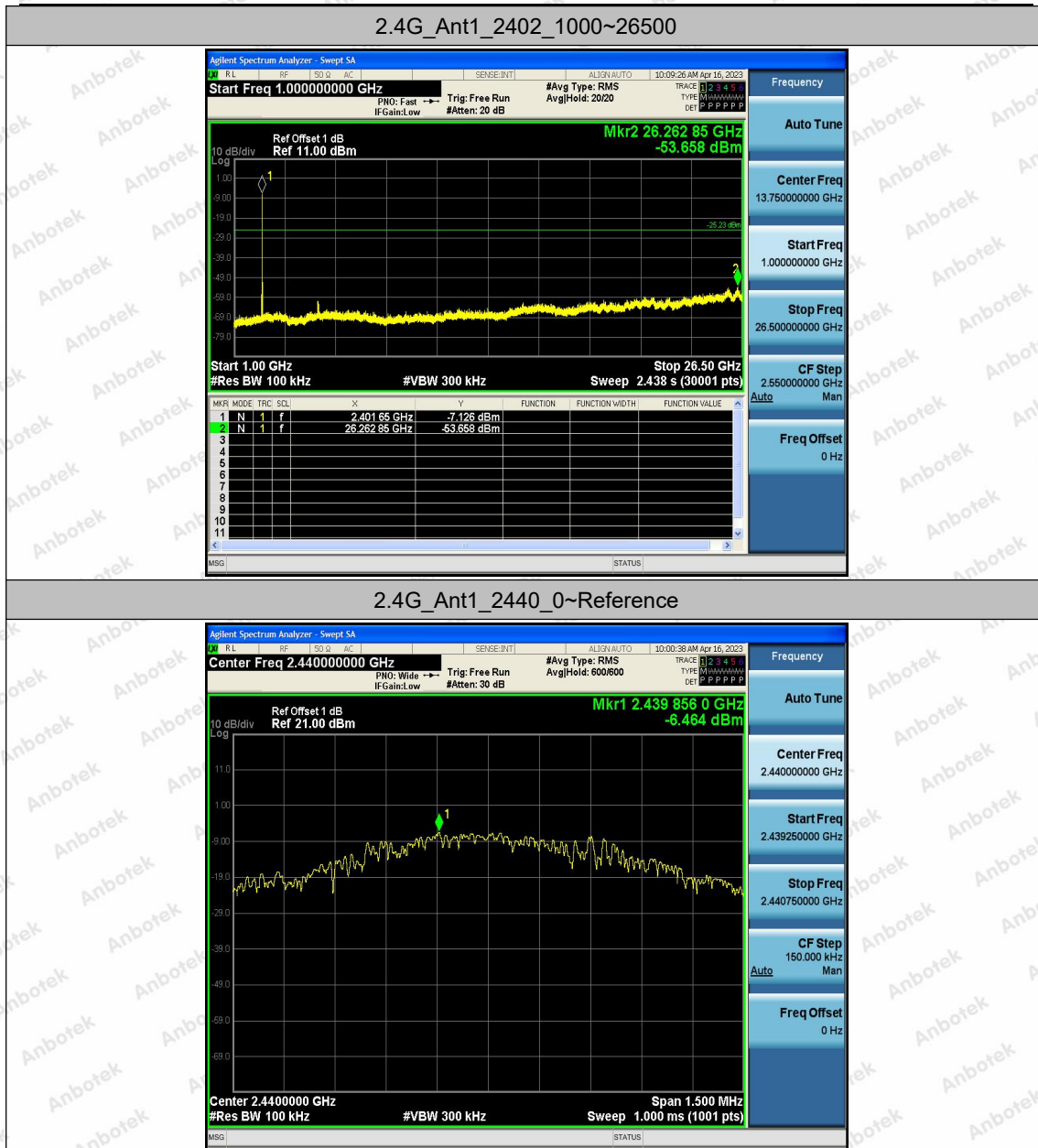
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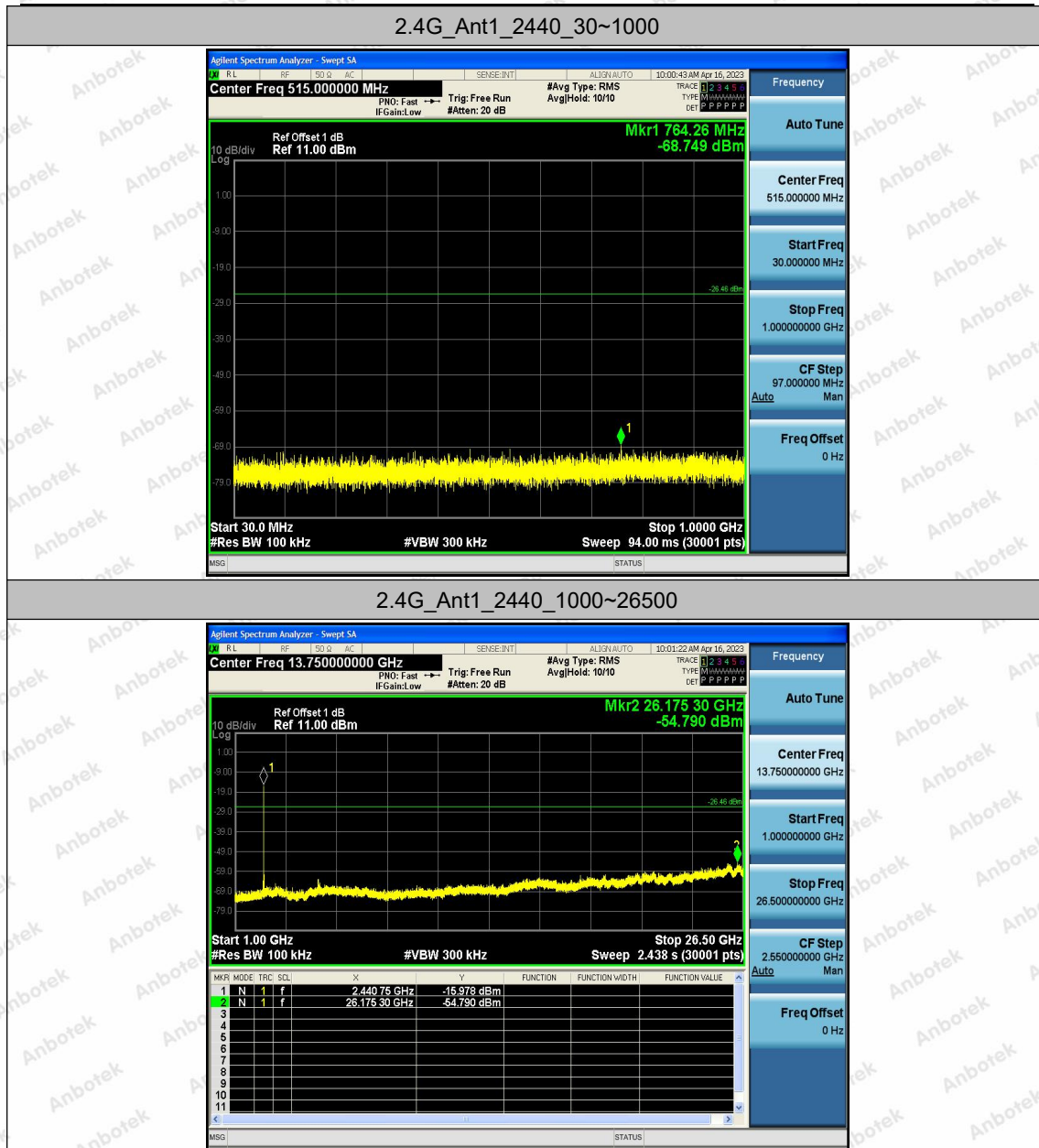
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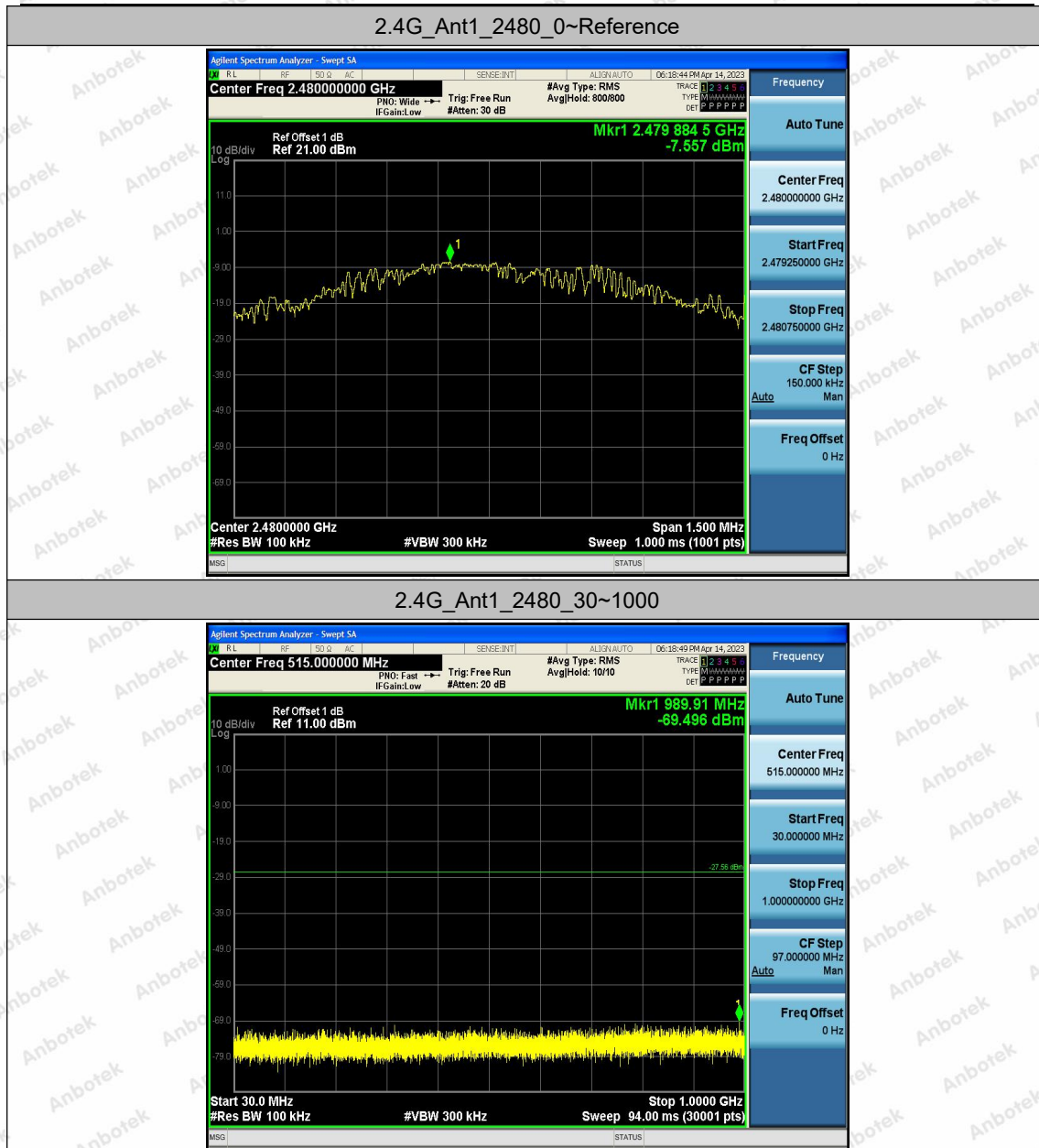
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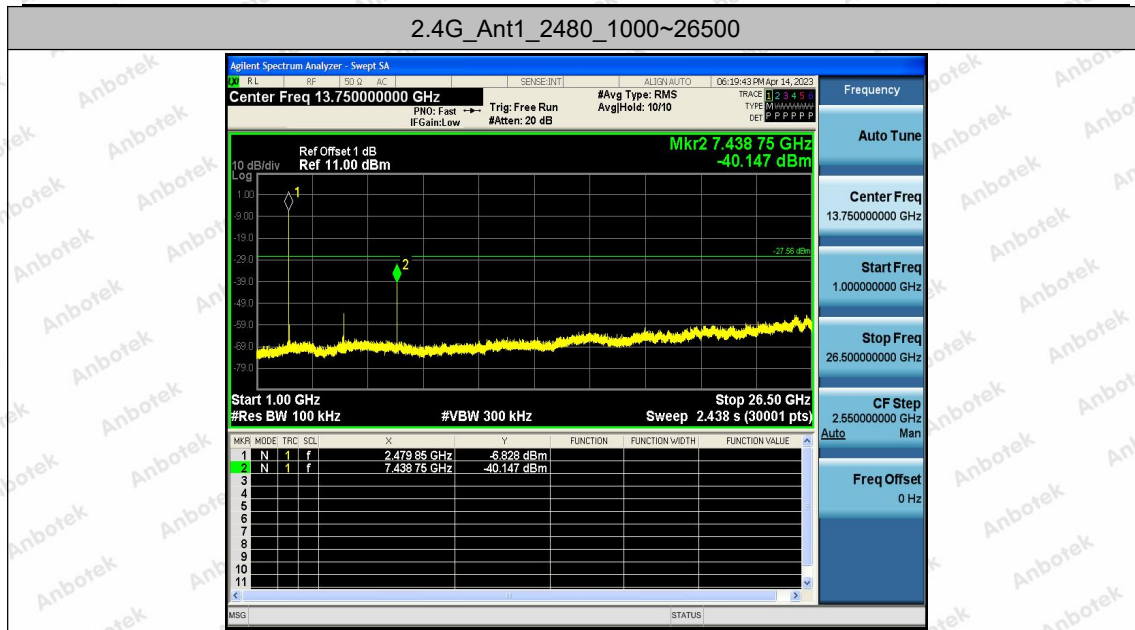
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Appendix I: Duty Cycle

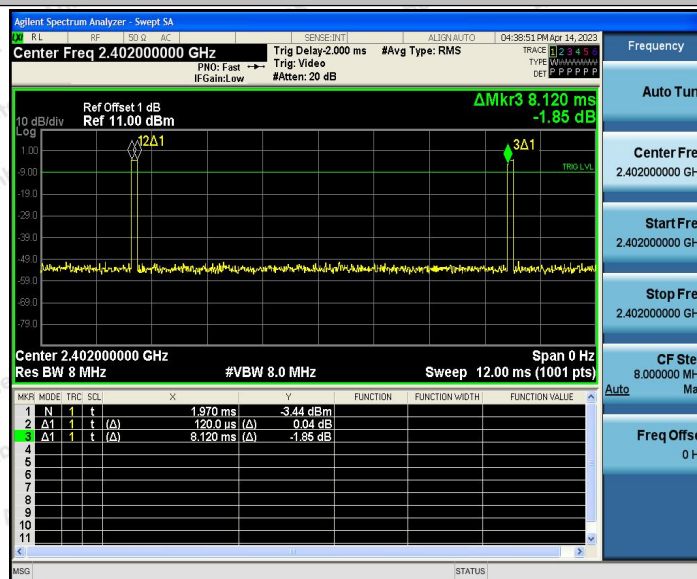
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2402	0.12	8.12	1.48	18.30
		2440	0.12	8.12	1.48	18.30
		2480	0.11	8.12	1.35	18.70

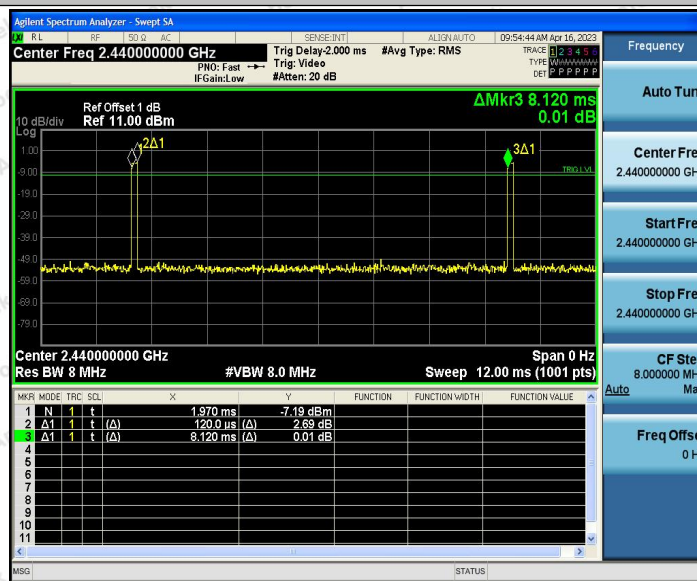


Test Graphs

2.4G_Ant1_2402



2.4G_Ant1_2440



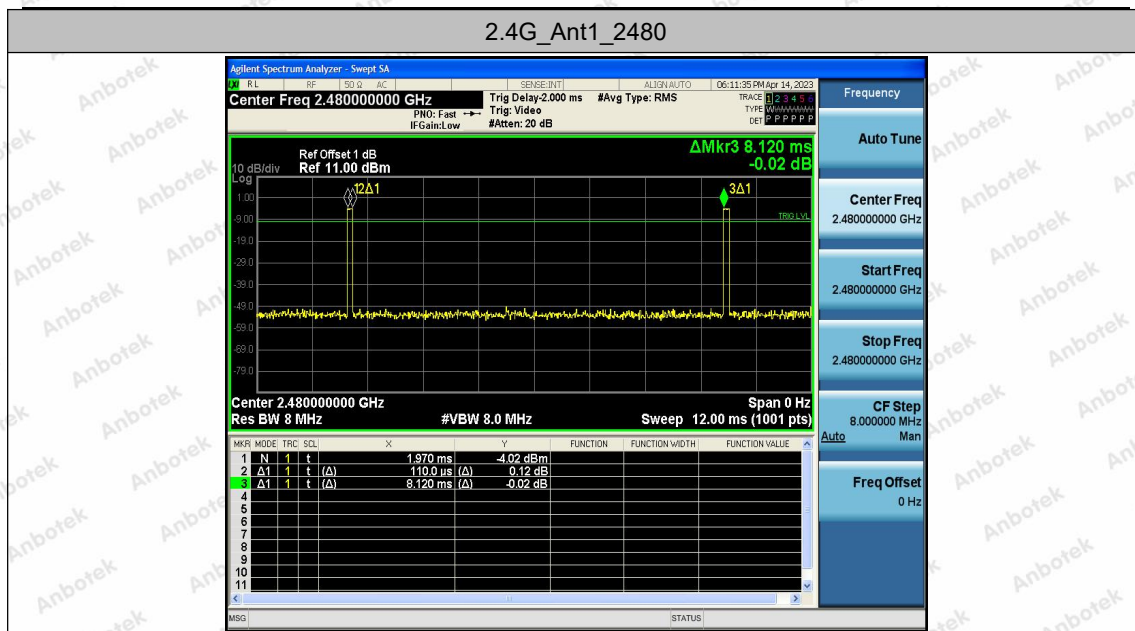
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