

Appendix Test Data

Report No.:	18220WC40014701	Test Sample No.:	1-2-2
Start Test Date:	2024.1.30	Finish Test Date:	2024.4.10
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.6°C	Relative Humidity:	45%
Pressure:	101kPa		

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	2.016	2400.941	2402.957	---	---
		2440	2.088	2438.902	2440.990	---	---
		2480	2.064	2478.932	2480.996	---	---

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Test Graphs

2.4G_Ant1_2402



2.4G_Ant1_2440



2.4G_Ant1_2480

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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	1.8984	2401.0346	2402.9330	---	---
		2440	1.9234	2439.0104	2440.9338	---	---
		2480	1.9508	2479.0010	2480.9518	---	---

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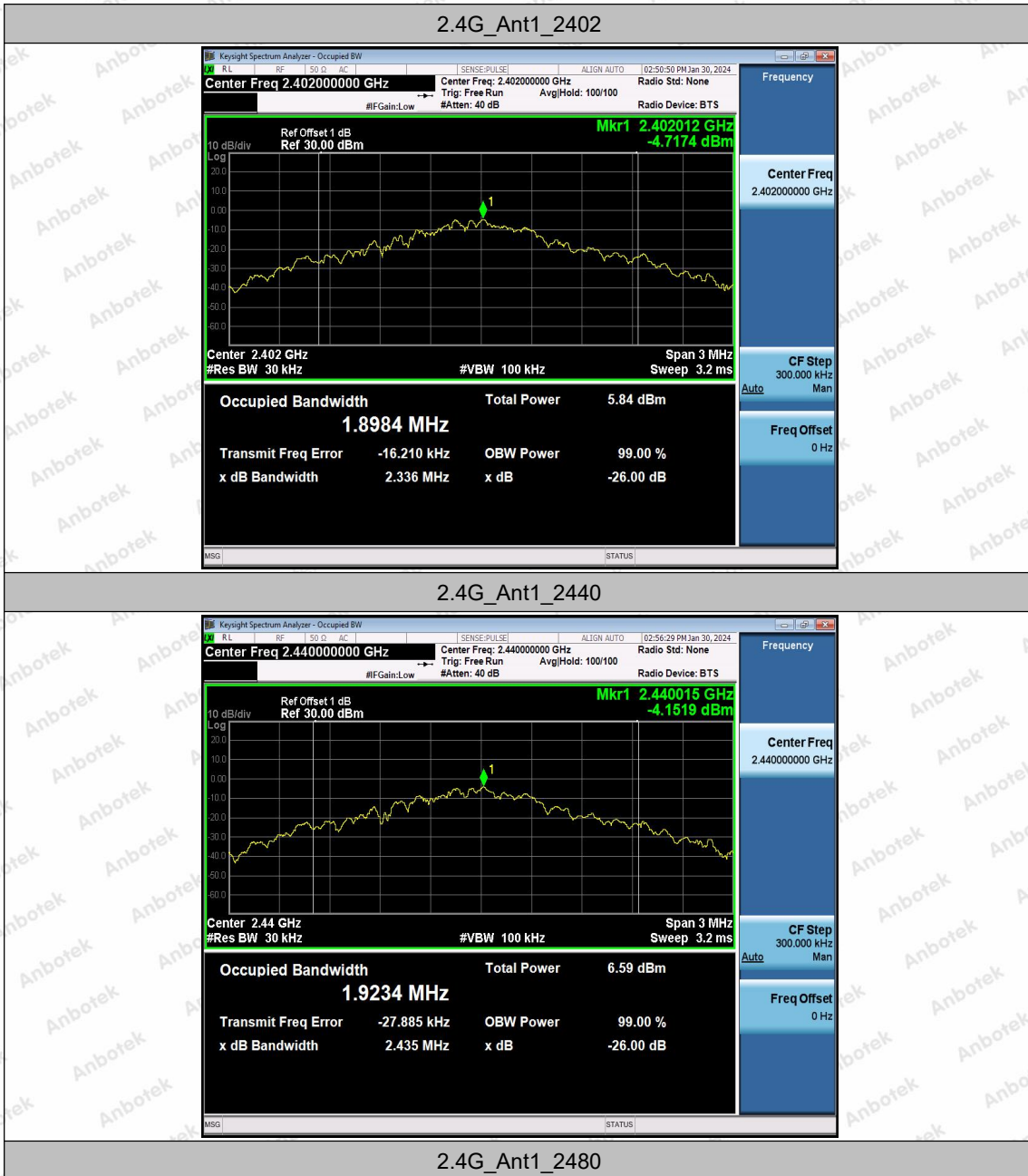
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Test Graphs



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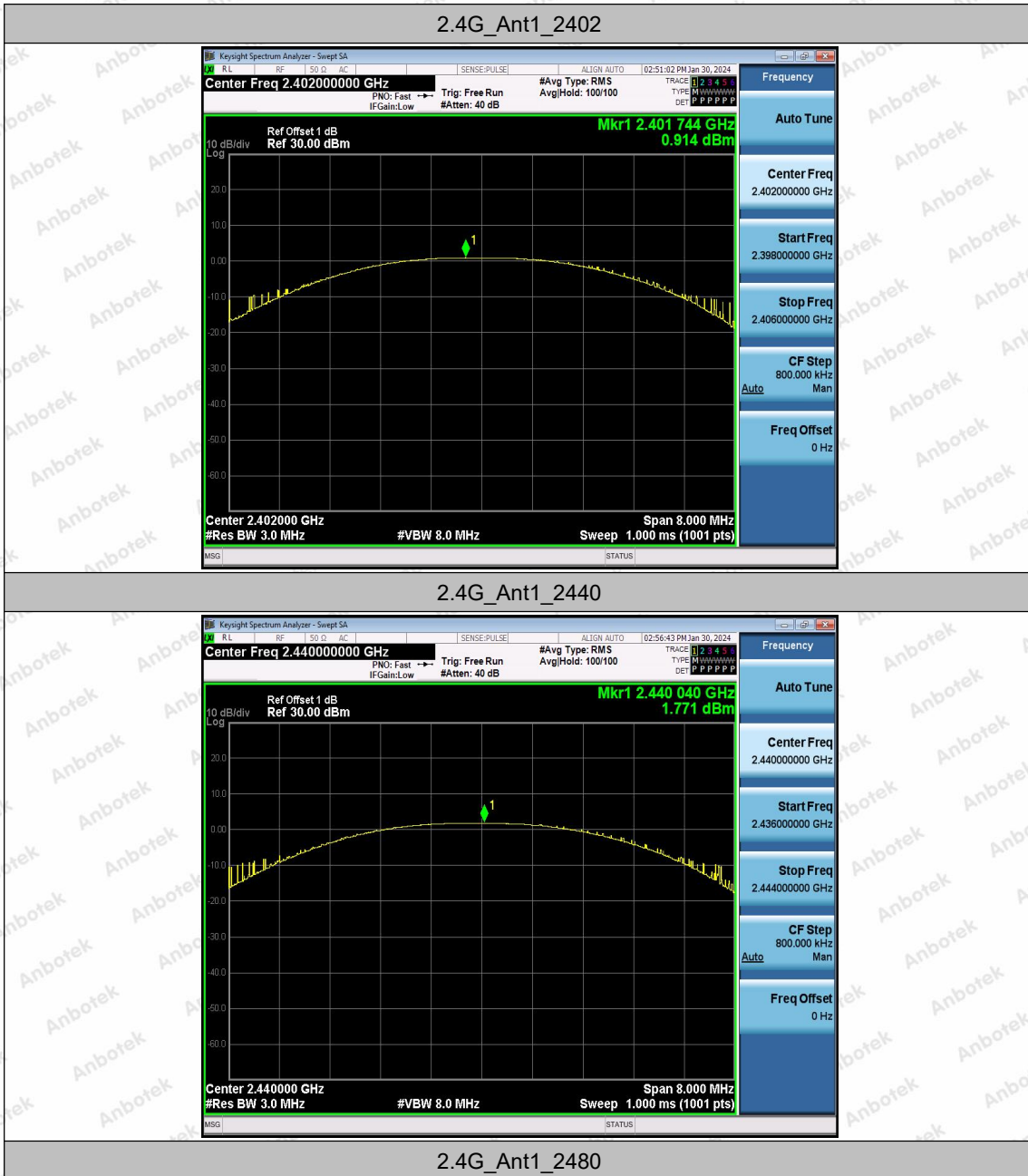
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2402	0.91	≤20.97	PASS
		2440	1.77	≤20.97	PASS
		2480	2.57	≤20.97	PASS



Test Graphs



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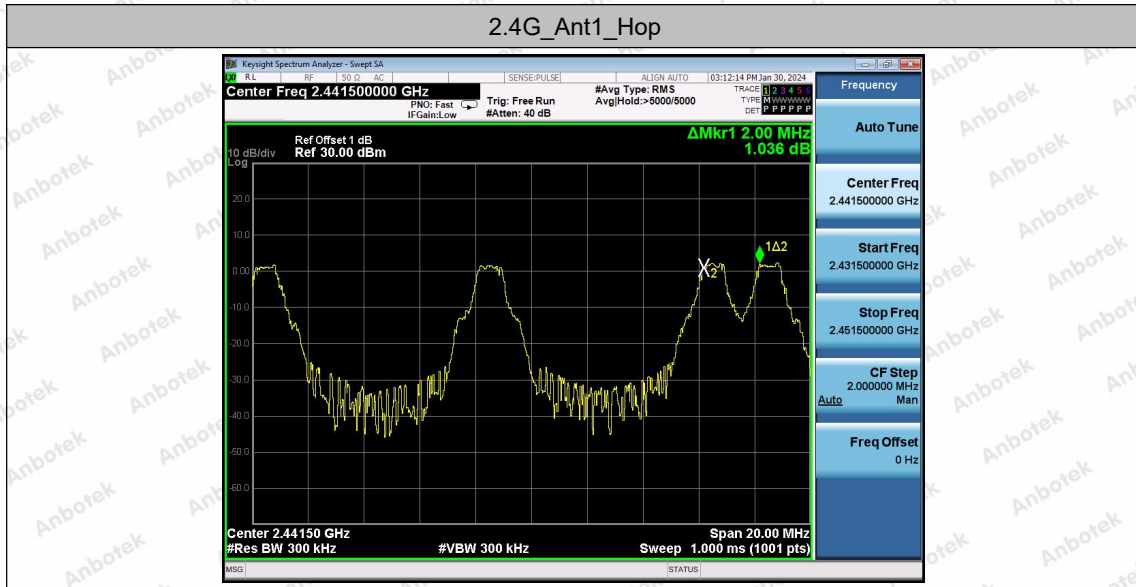
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.00	≥1.392	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	0.12	53	0.006	≤0.4	PASS

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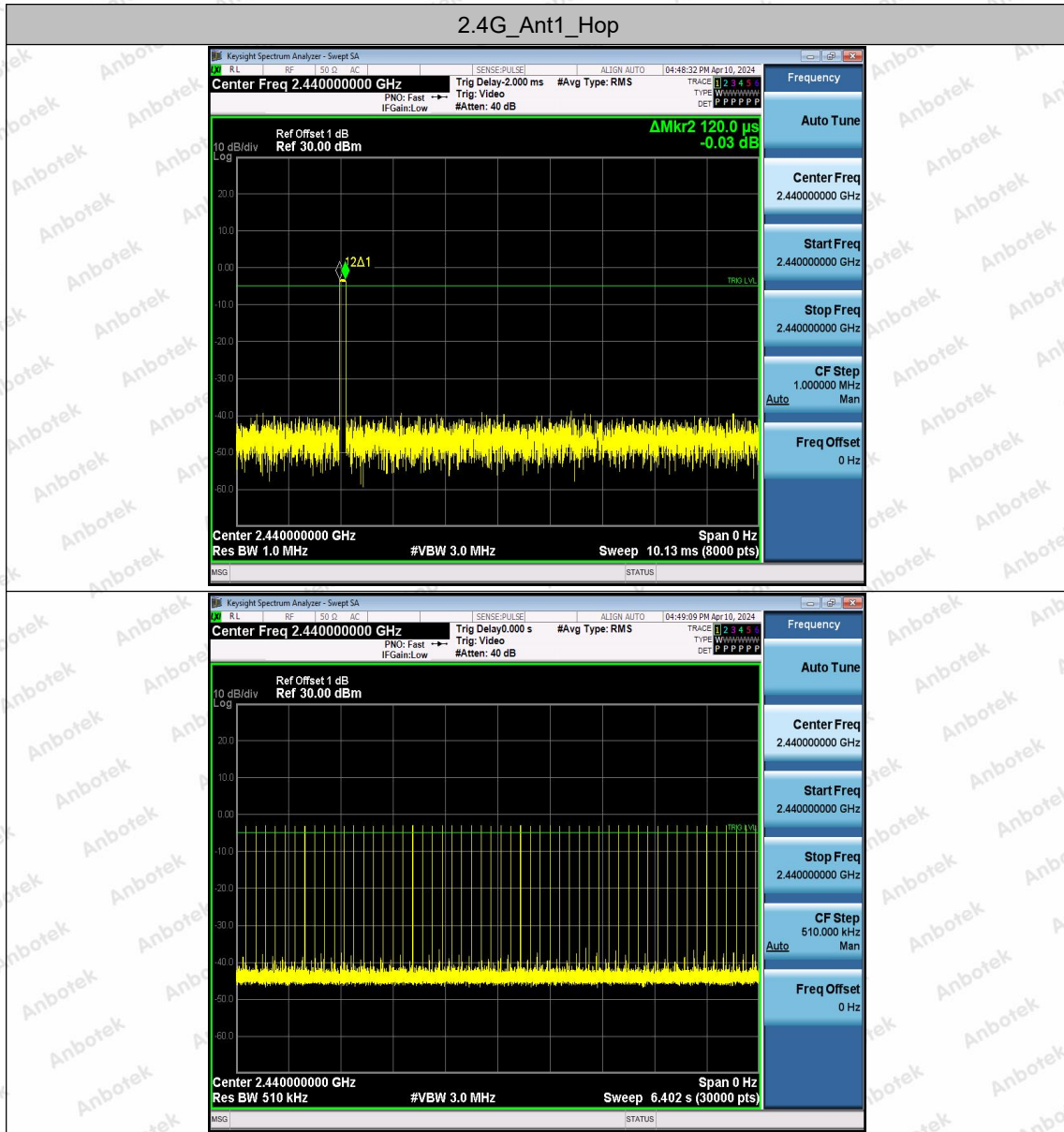
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Test Graphs



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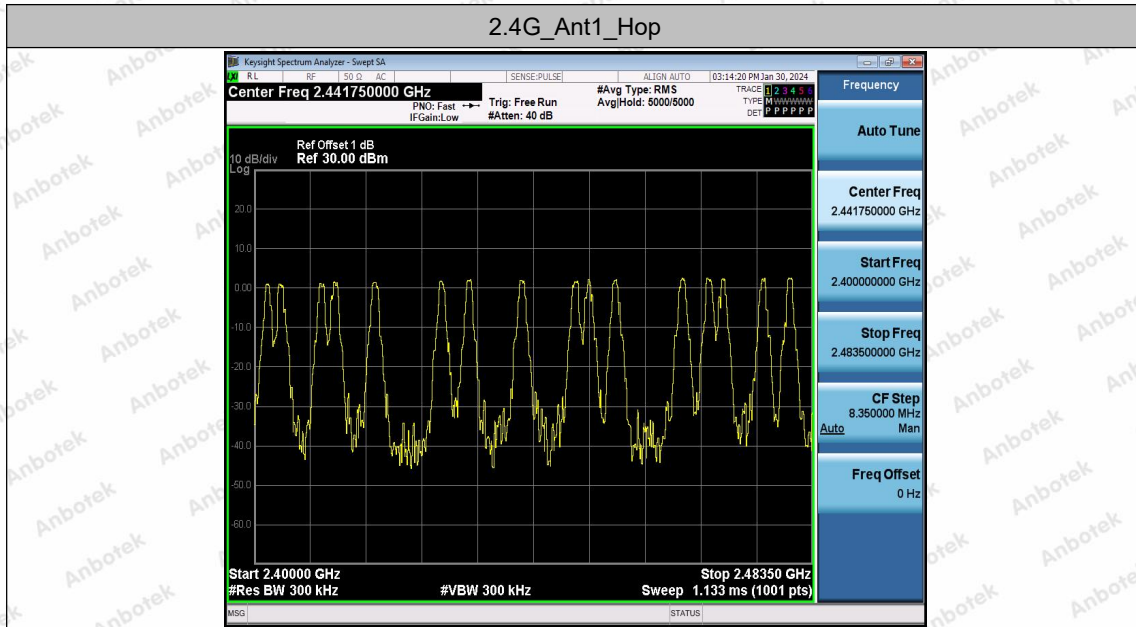
Appendix F: Number of hopping channels

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	-0.85	-36.27	≤-20.85	PASS
		High	2480	-0.04	-40.85	≤-20.04	PASS
		Low	Hop_2402	-0.26	-43.57	≤-20.26	PASS
		High	Hop_2480	1.31	-37.78	≤-18.69	PASS

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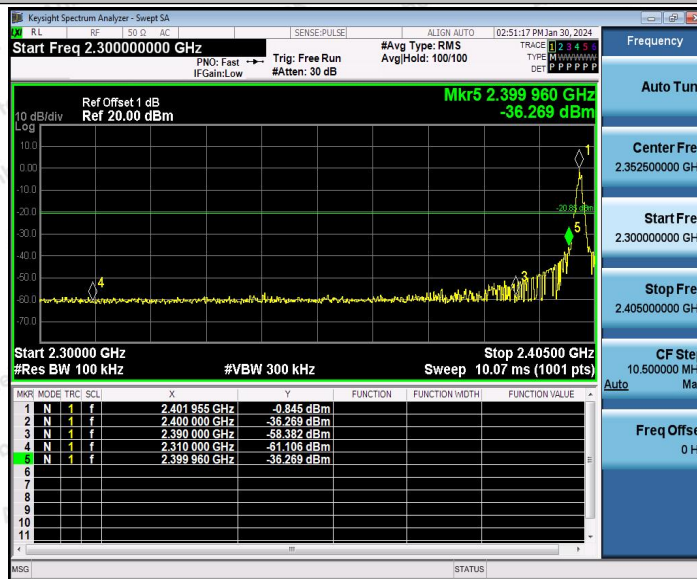


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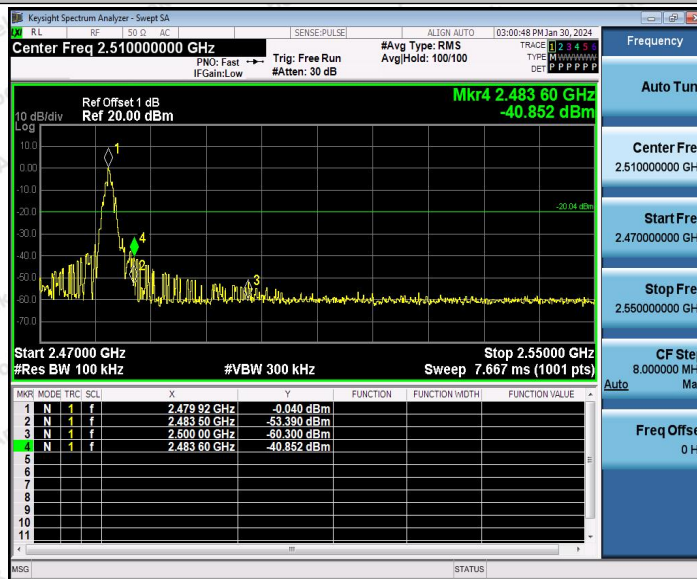


Test Graphs

2.4G_Ant1_Low_2402



2.4G_Ant1_High_2480



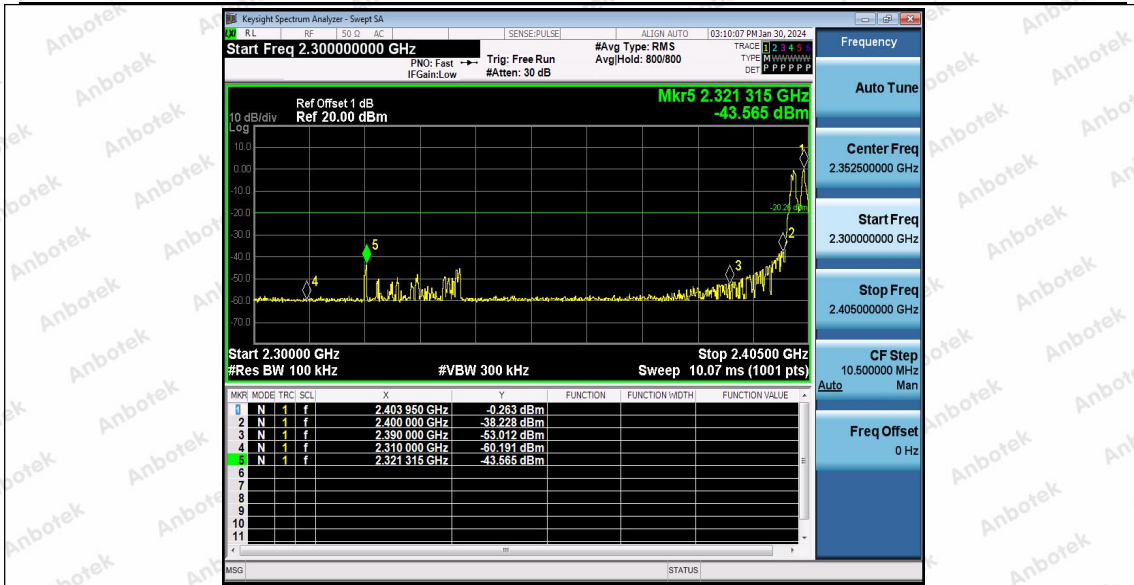
2.4G_Ant1_Low_Hop_2402

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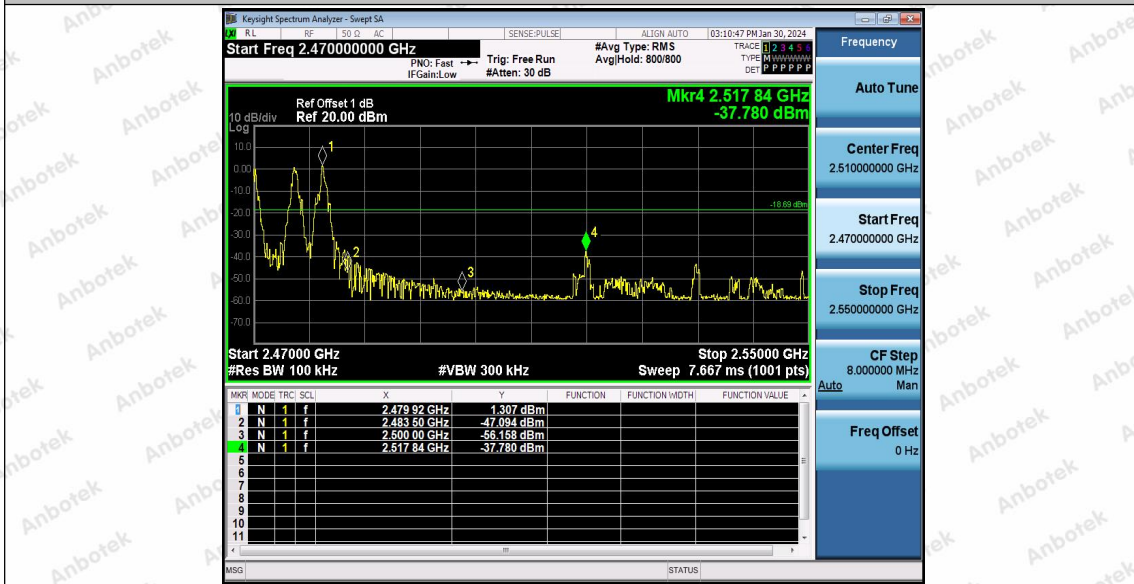
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2.4G_Ant1_High_Hop_2480



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Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2402	Reference	-0.92	-0.92	---	PASS
			30~1000	-0.92	-69.82	≤-20.92	PASS
			1000~26500	-0.92	-52.17	≤-20.92	PASS
		2440	Reference	-0.39	-0.39	---	PASS
			30~1000	-0.39	-69.5	≤-20.39	PASS
			1000~26500	-0.39	-41	≤-20.39	PASS
		2480	Reference	0.55	0.55	---	PASS
			30~1000	0.55	-69.49	≤-19.45	PASS
			1000~26500	0.55	-37.81	≤-19.45	PASS

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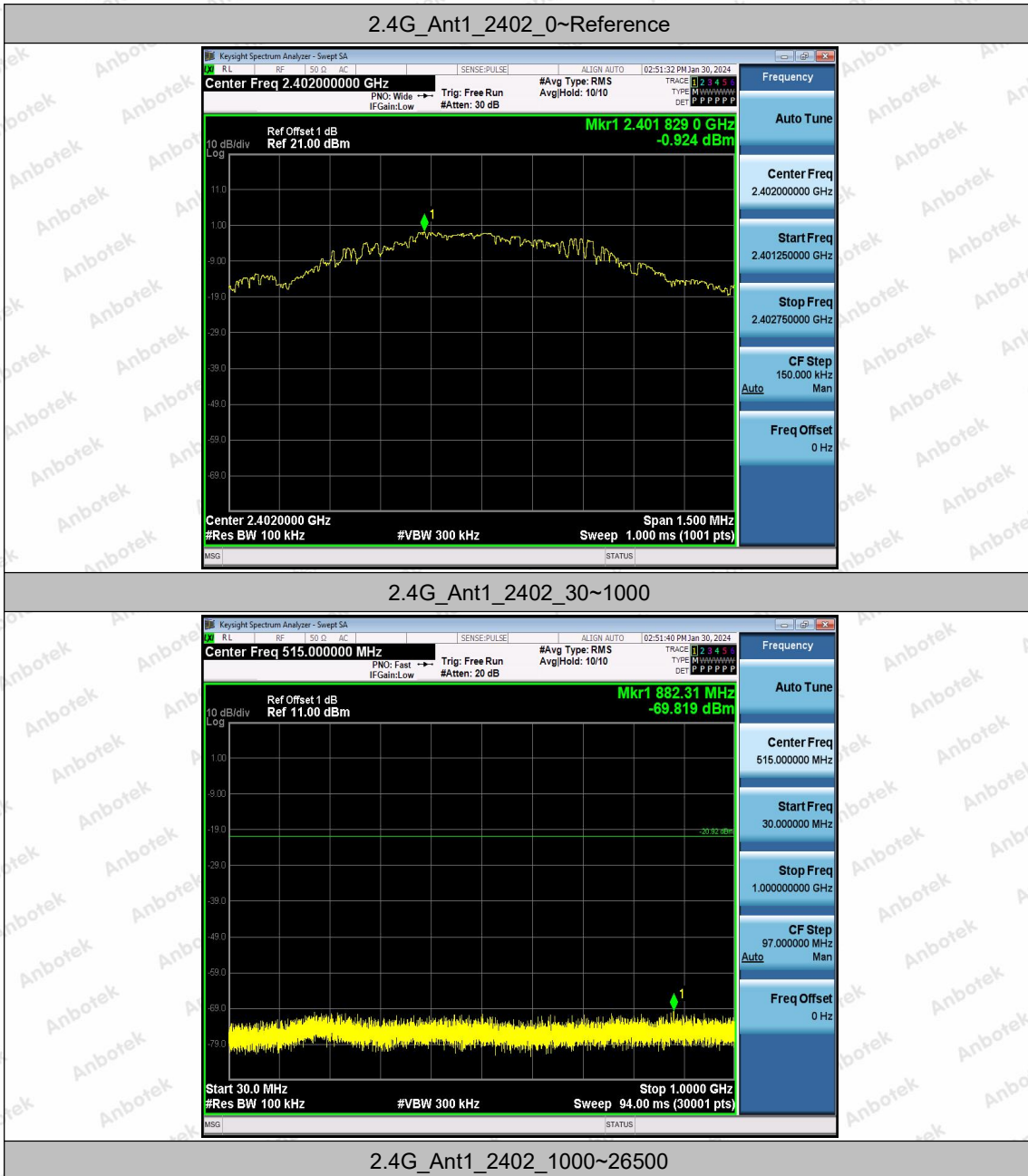
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Test Graphs

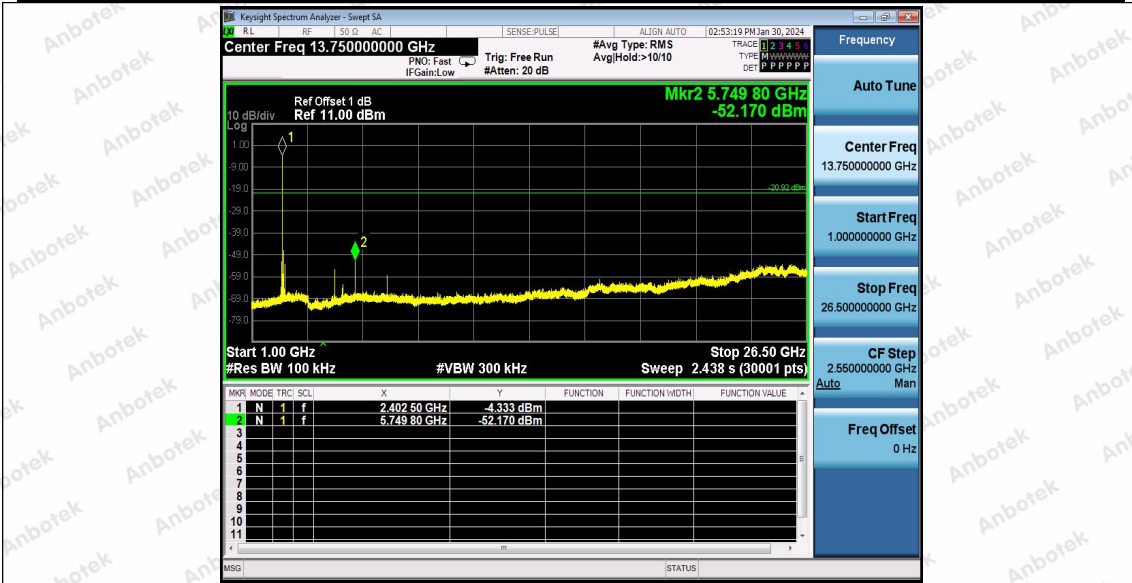


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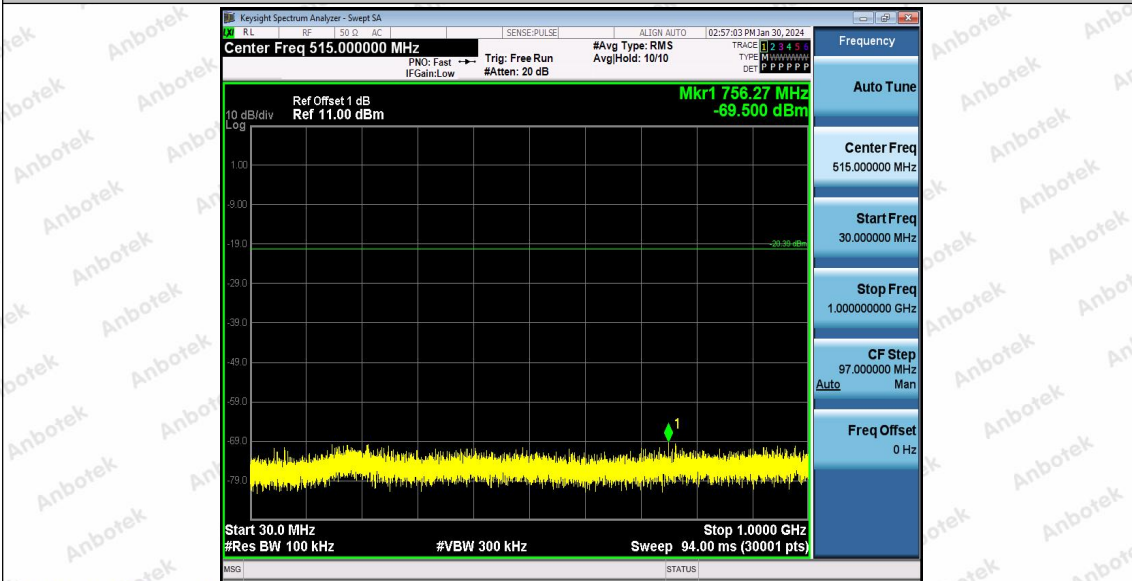




2.4G_Ant1_2440_0~Reference



2.4G_Ant1_2440_30~1000

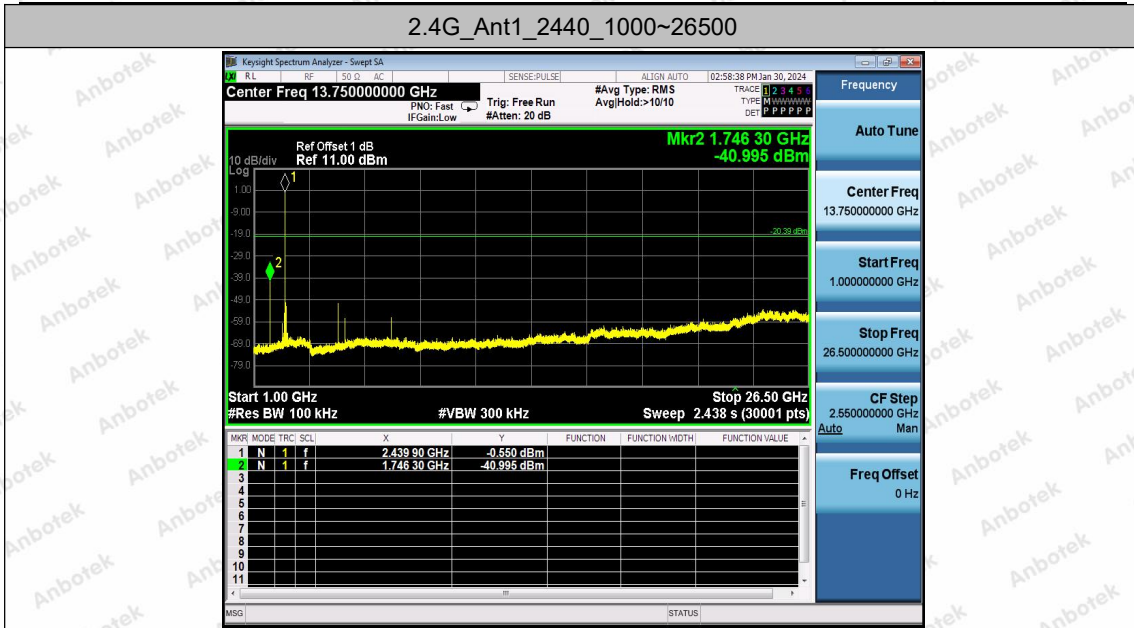


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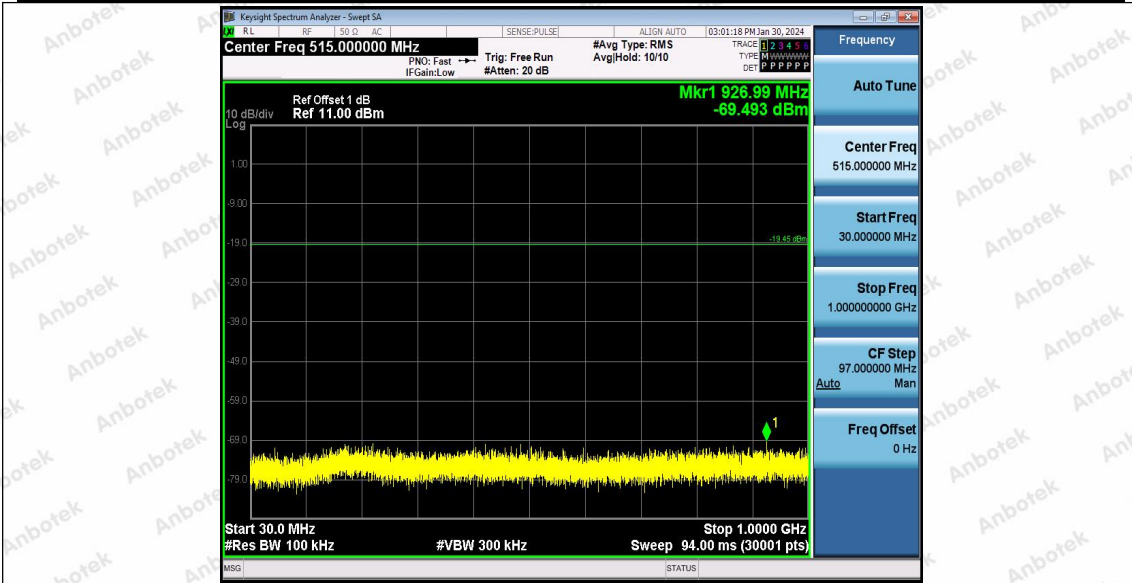
2.4G_Ant1_2480_30~1000

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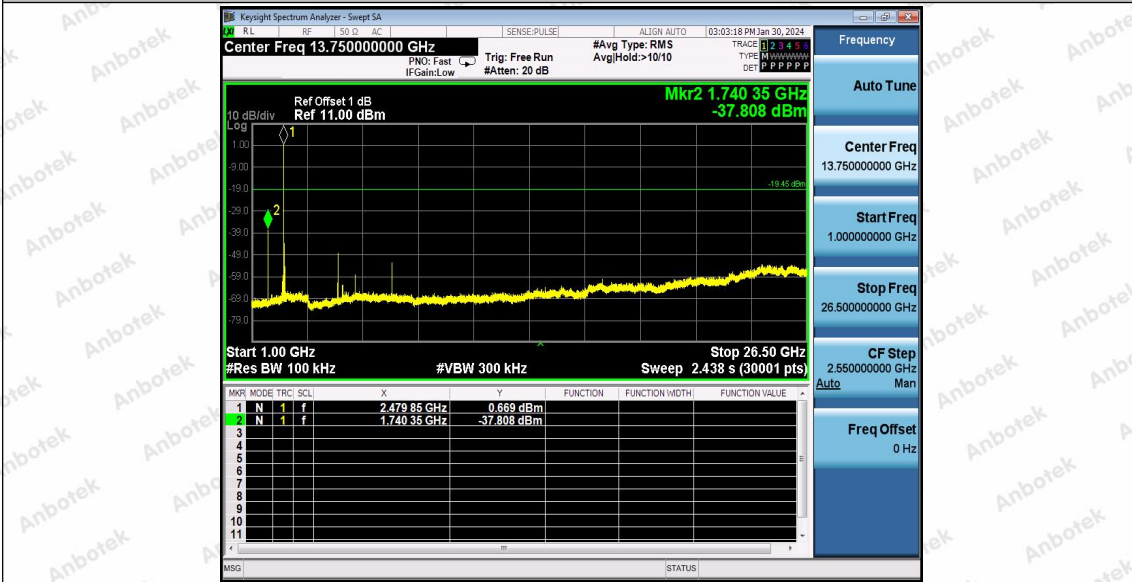
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2.4G_Ant1_2480_1000~26500



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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	4.08	2.94	15.32
		2440	0.10	4.06	2.46	16.09
		2441	0.10	4.06	2.46	16.09
		2480	0.12	4.06	2.96	15.29

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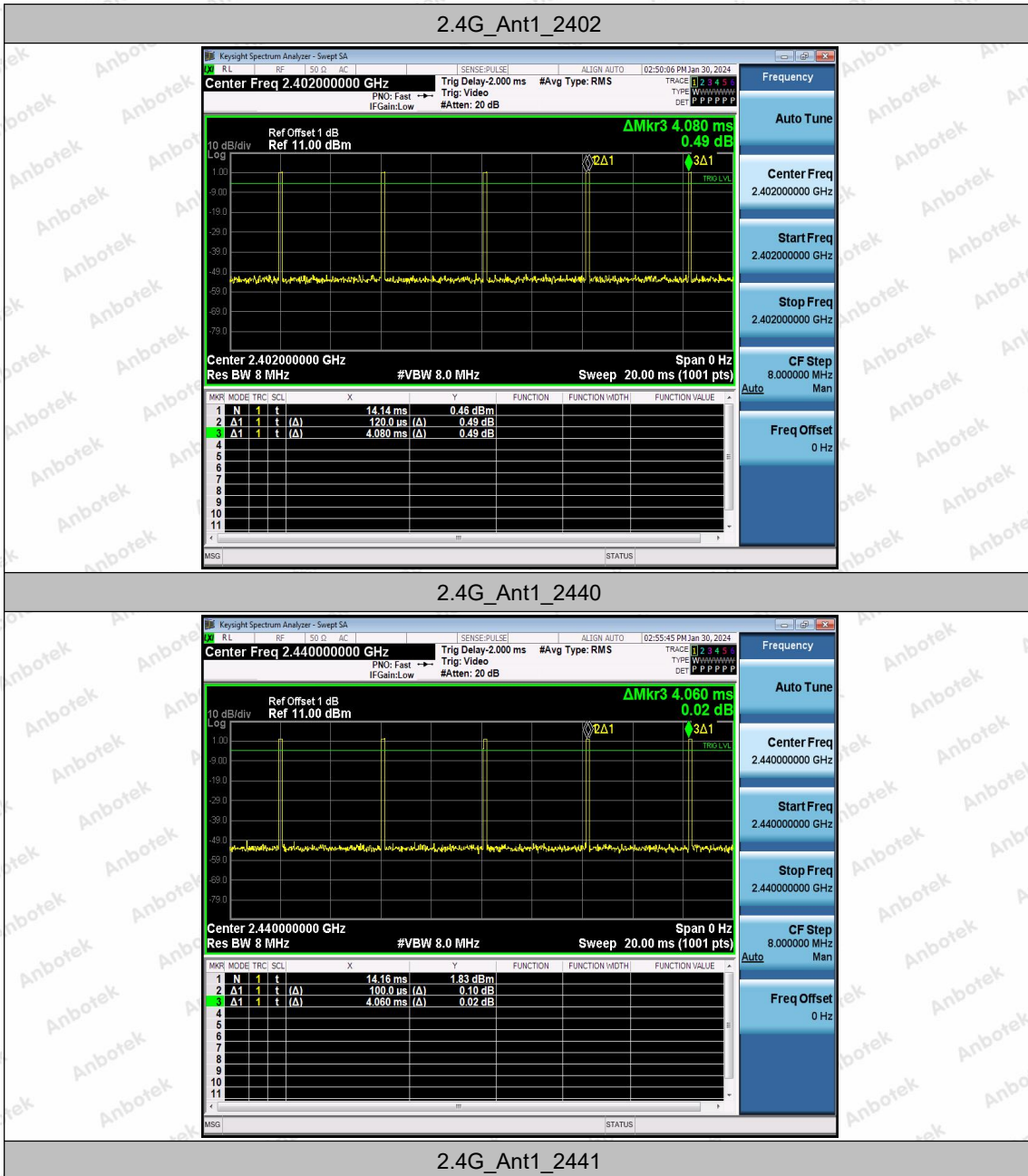
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Test Graphs

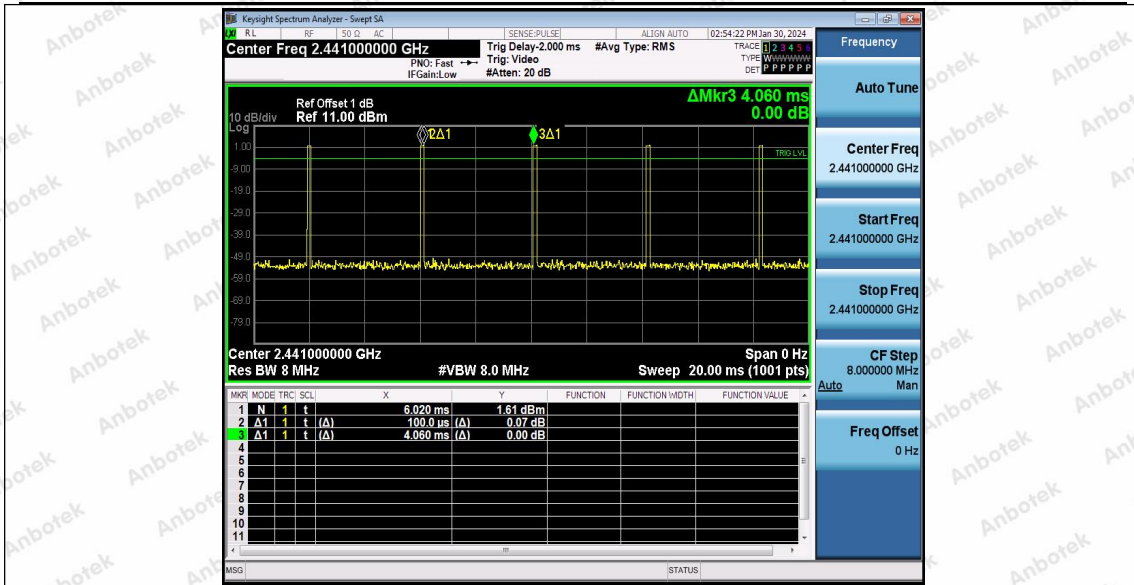


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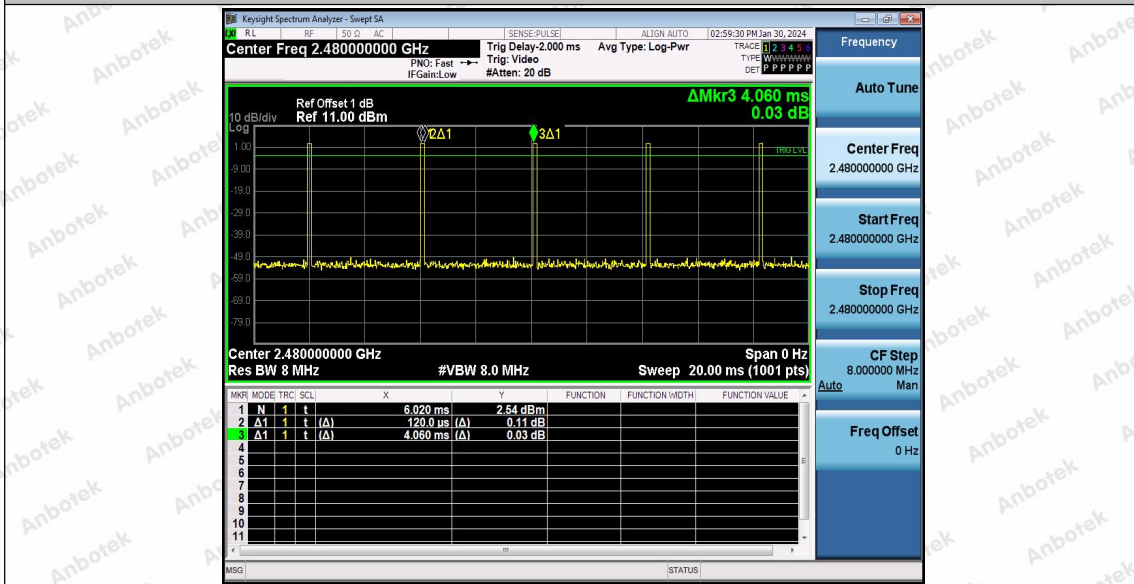
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2.4G_Ant1_2480



---end---

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