

Appendix Test Data

Report No.:	18220WC40014801	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:	25.2°C	Relative Humidity:	46%
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	1.248	2401.412	2402.660	---	---
		2440	1.884	2439.094	2440.978	---	---
		2480	1.899	2479.088	2480.987	---	---



Test Graphs

2.4G_Ant1_2402



2.4G_Ant1_2440



2.4G_Ant1_2480

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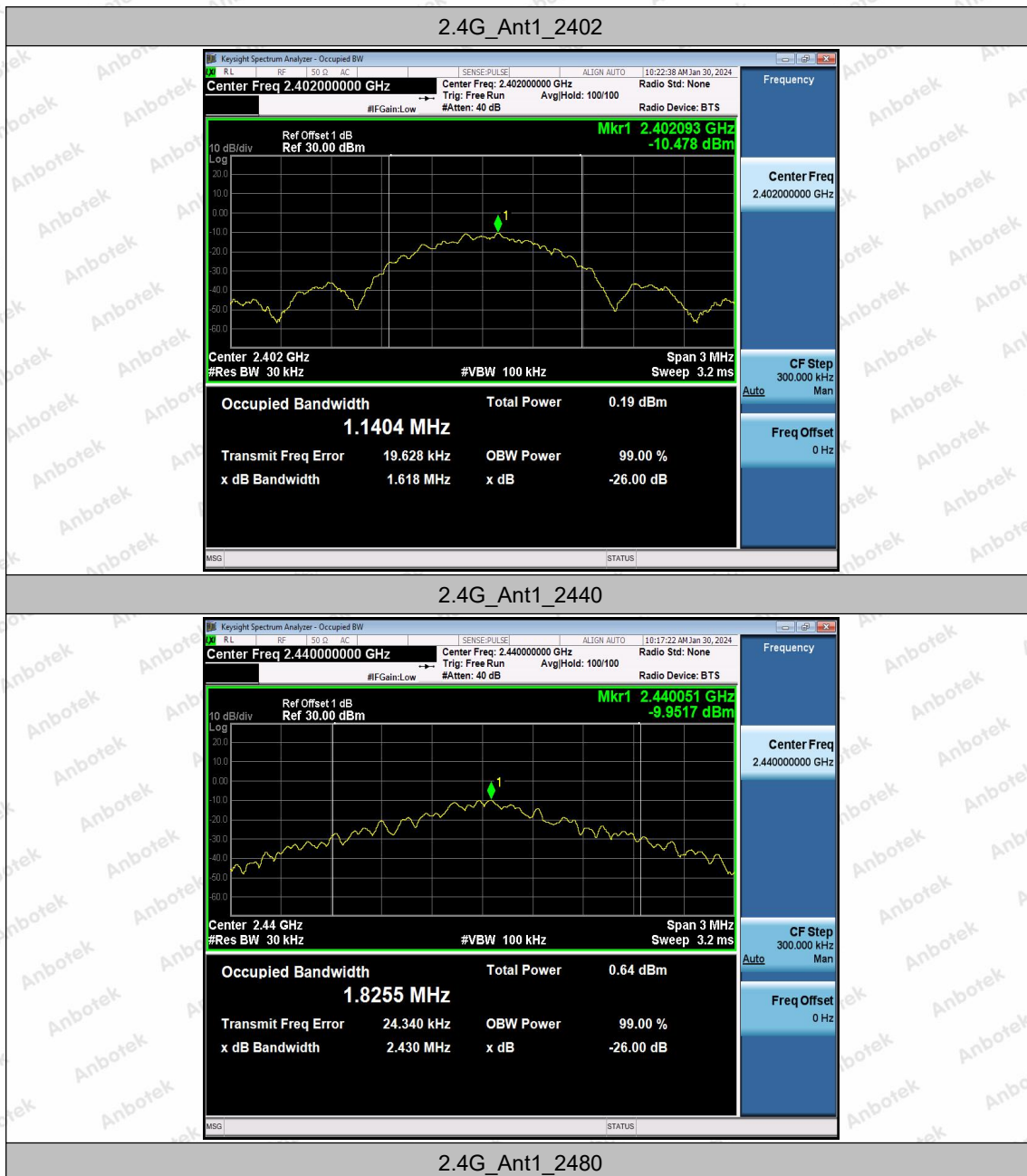
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402	1.1404	2401.4494	2402.5898	---	---
		2440	1.8255	2439.1116	2440.9371	---	---
		2480	1.8553	2479.0982	2480.9535	---	---



Test Graphs



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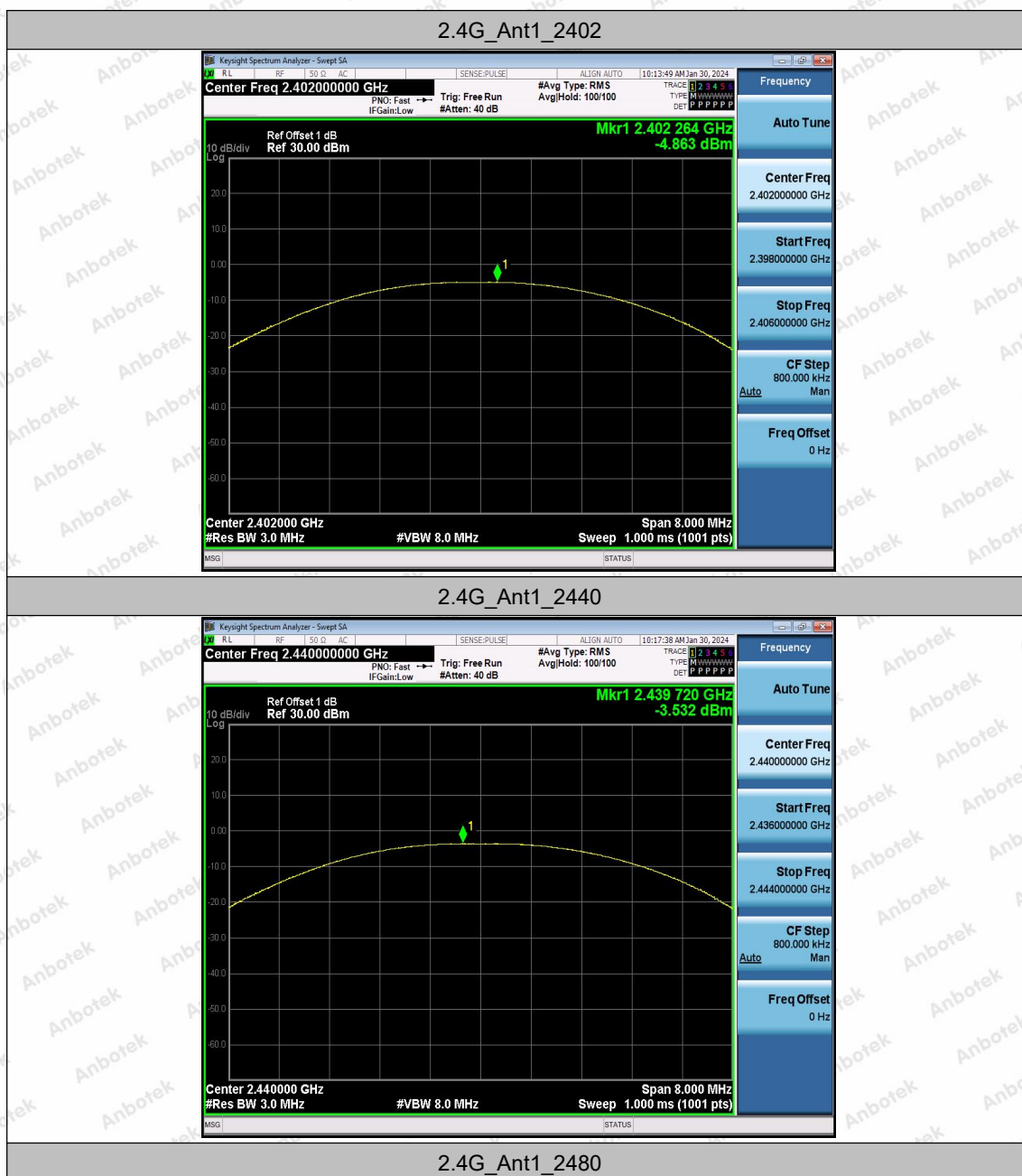
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2402	-4.86	≤30.00	PASS
		2440	-3.53	≤30.00	PASS
		2480	-2.8	≤30.00	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	≥1.899	PASS

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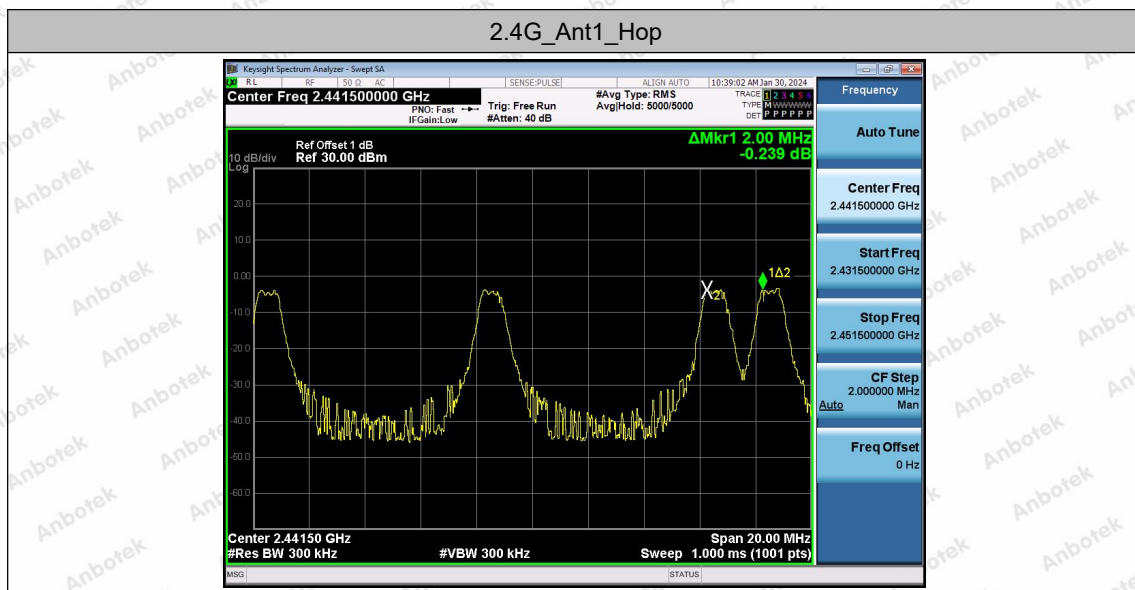
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Test Graphs



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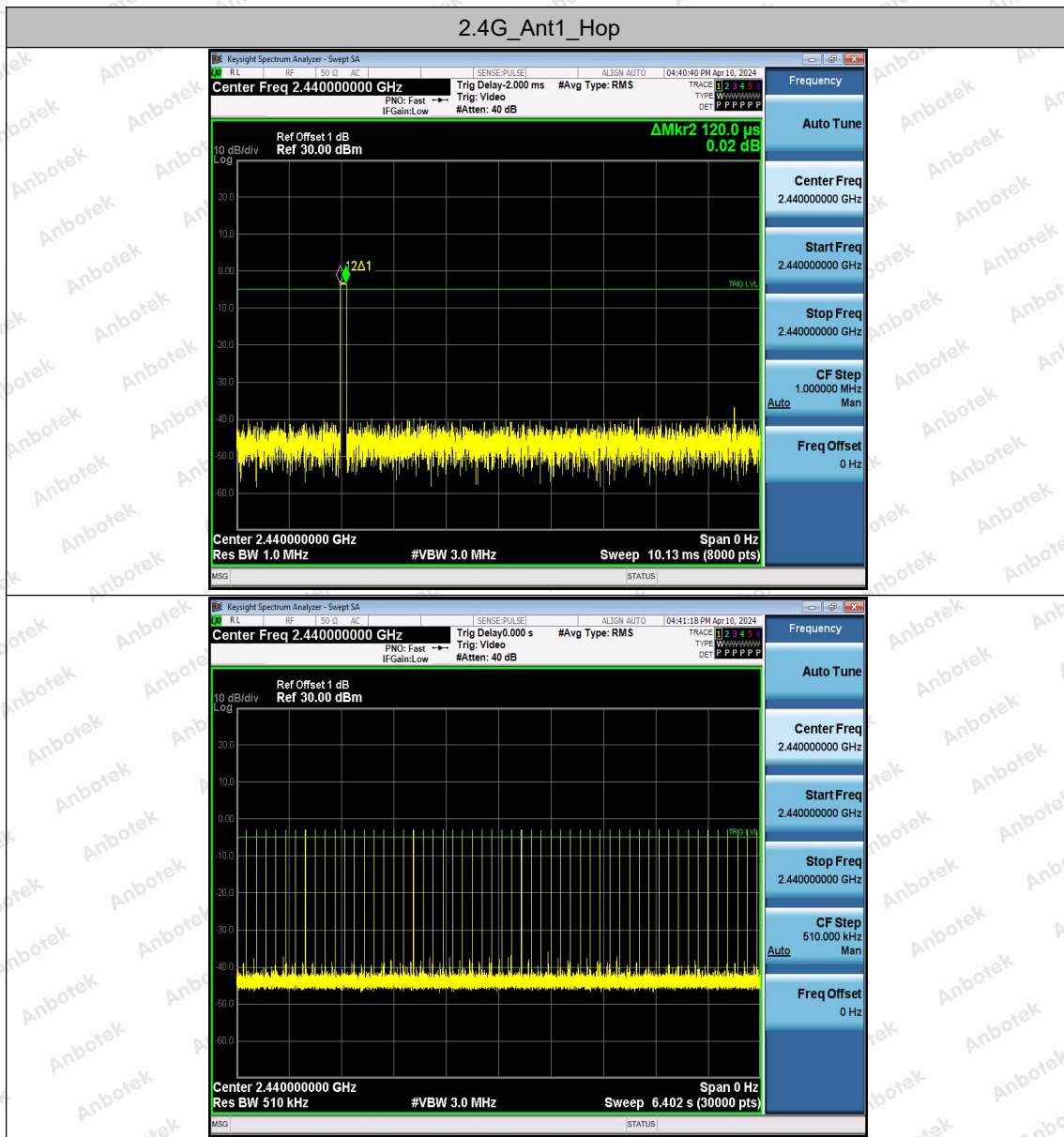
Appendix E: Dwell Time

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



Test Graphs



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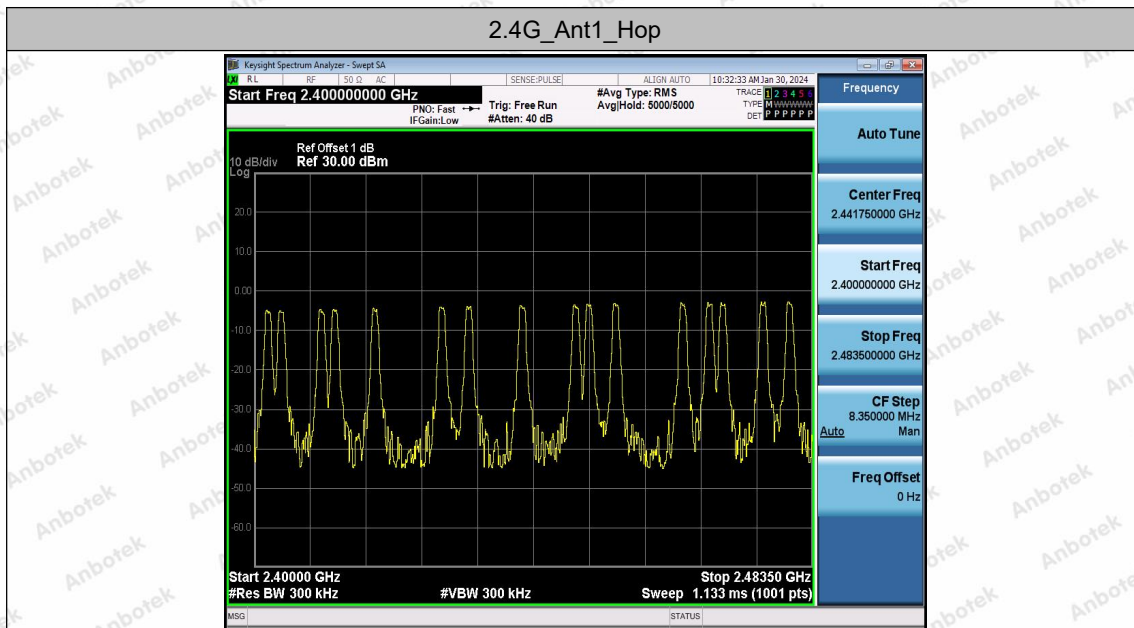
Appendix F: Number of hopping channels

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

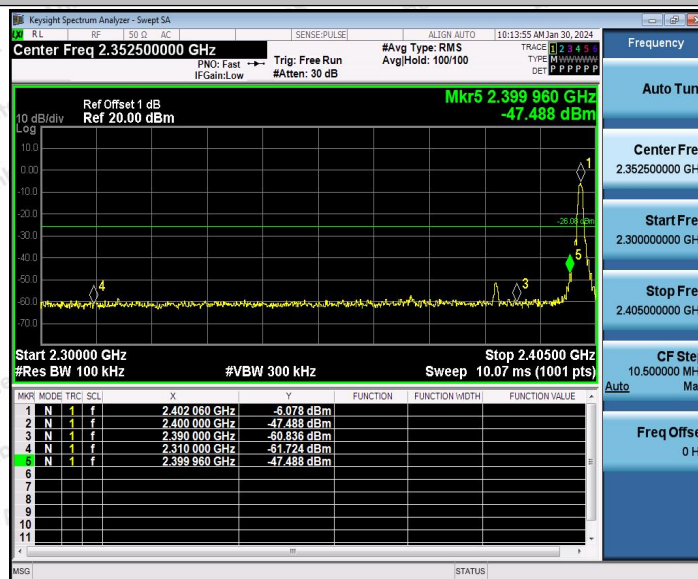
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2402	-6.08	-47.49	≤-26.08	PASS
		High	2480	-4.83	-48.17	≤-24.83	PASS
		Low	Hop_2402	-6.63	-51.32	≤-26.63	PASS
		High	Hop_2480	-4.44	-40.24	≤-24.44	PASS

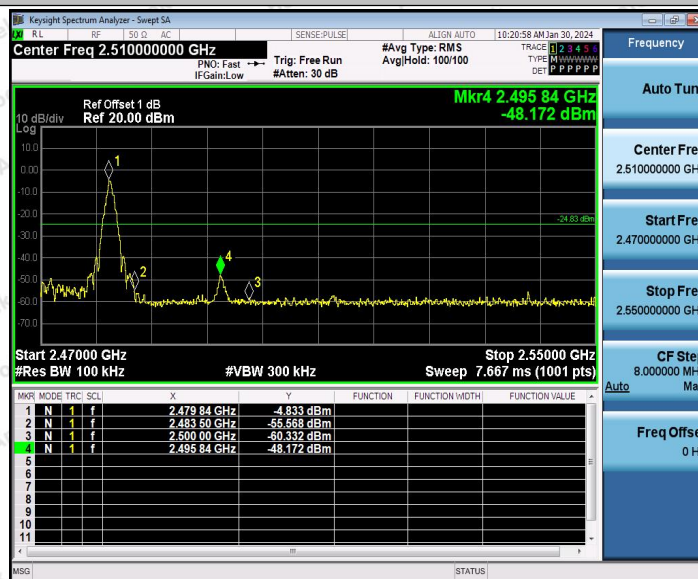


Test Graphs

2.4G_Ant1_Low_2402



2.4G_Ant1_High_2480



2.4G_Ant1_Low_Hop_2402

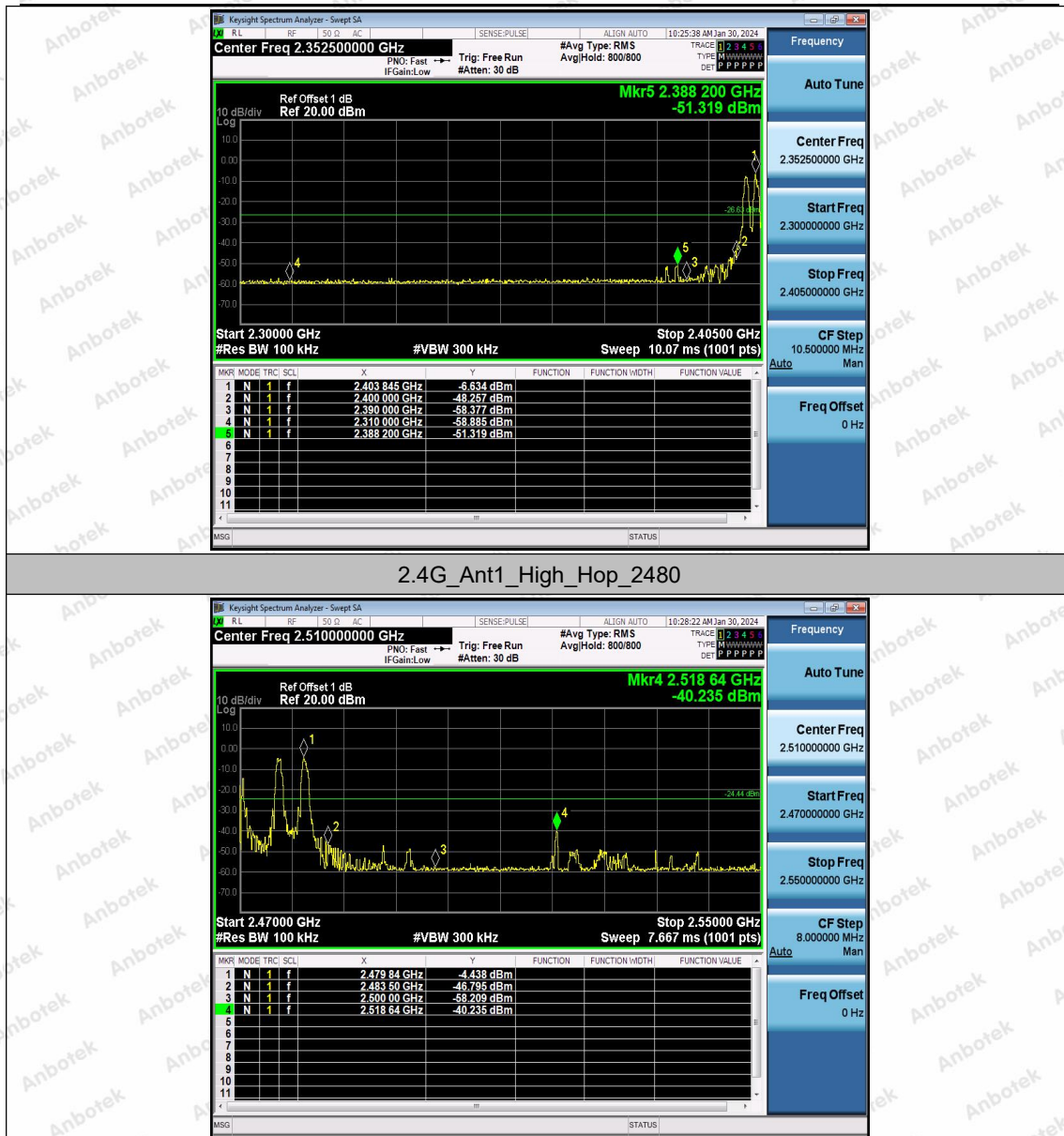
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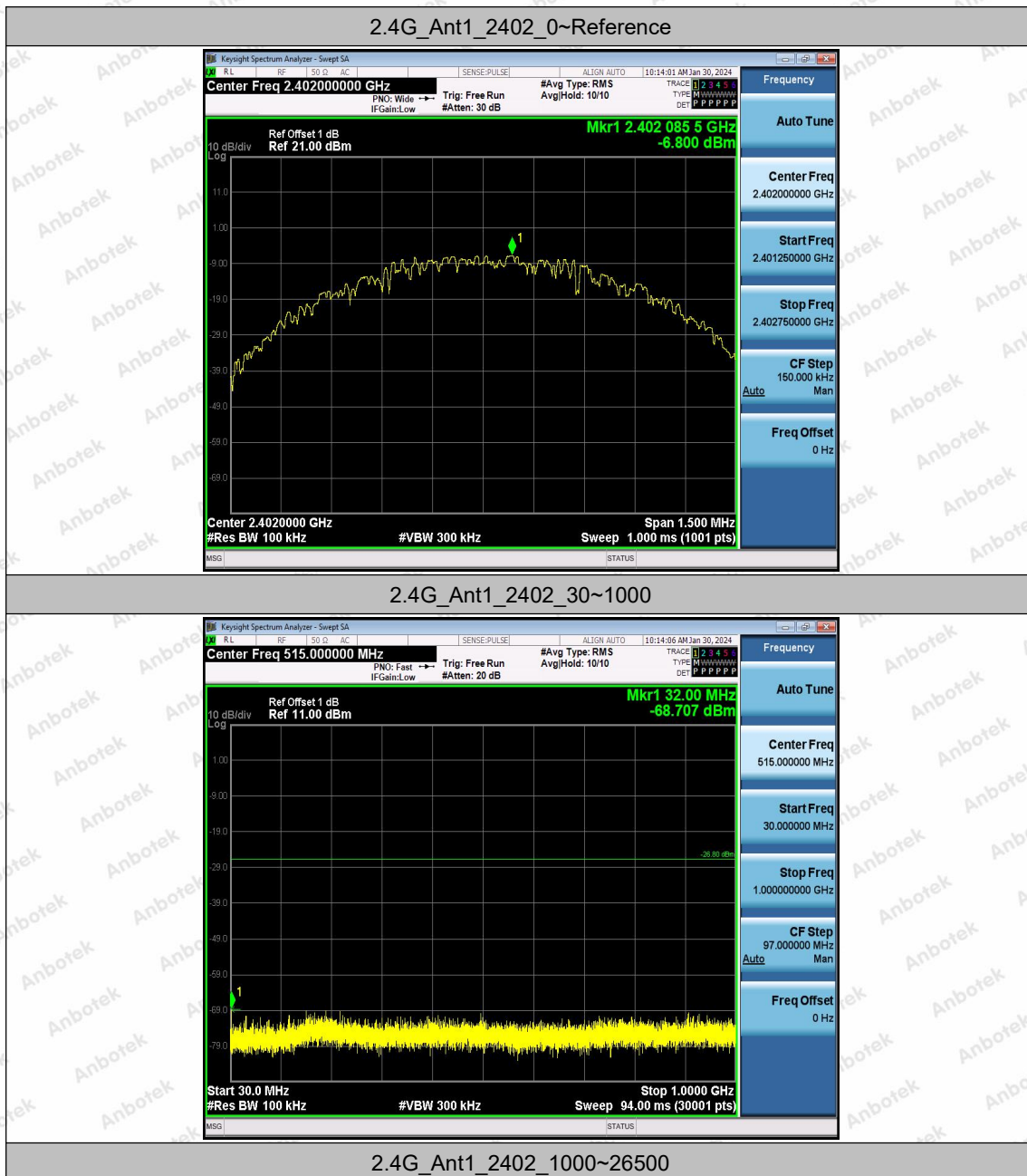
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2402	Reference	-6.80	-6.80	---	PASS
			30~1000	-6.80	-68.71	≤-26.8	PASS
			1000~26500	-6.80	-37.86	≤-26.8	PASS
		2440	Reference	-5.81	-5.81	---	PASS
			30~1000	-5.81	-69.15	≤-25.81	PASS
			1000~26500	-5.81	-40.84	≤-25.81	PASS
		2480	Reference	-5.06	-5.06	---	PASS
			30~1000	-5.06	-65.86	≤-25.06	PASS
			1000~26500	-5.06	-42.52	≤-25.06	PASS



Test Graphs



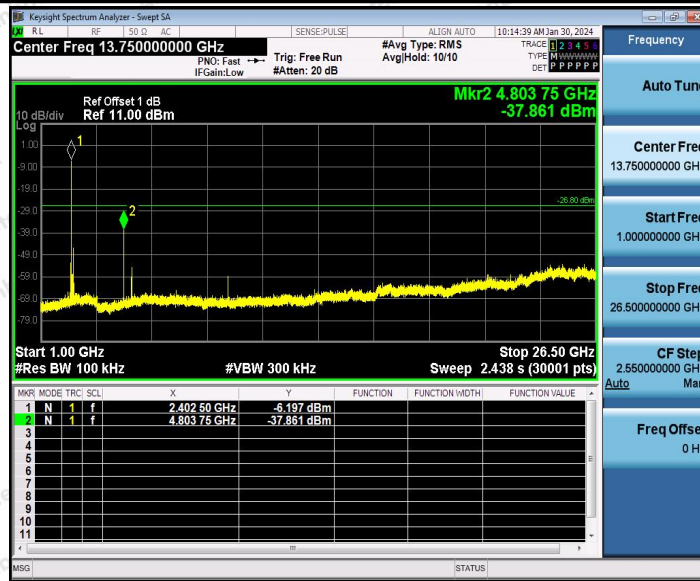
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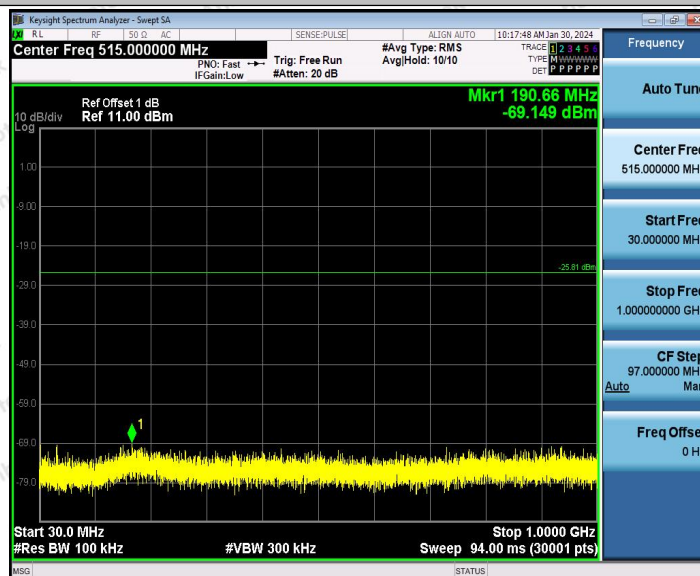




2.4G_Ant1_2440_0~Reference



2.4G_Ant1_2440_30~1000



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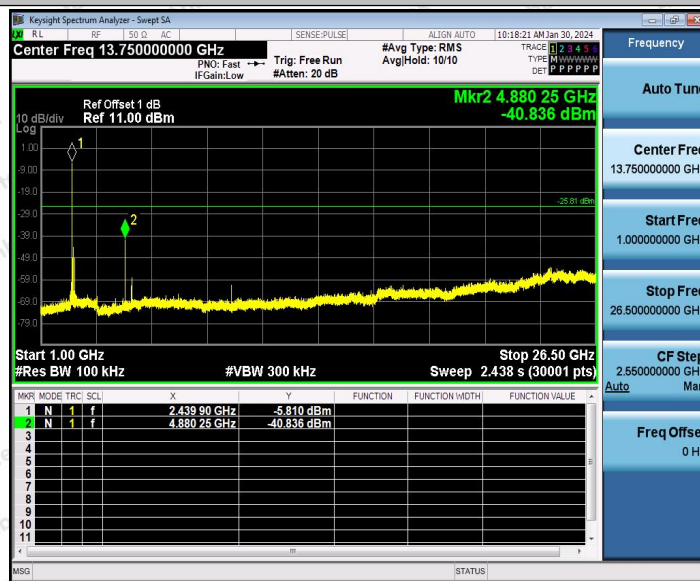
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2.4G_Ant1_2440_1000~26500



2.4G_Ant1_2480_0~Reference



2.4G_Ant1_2480_30~1000

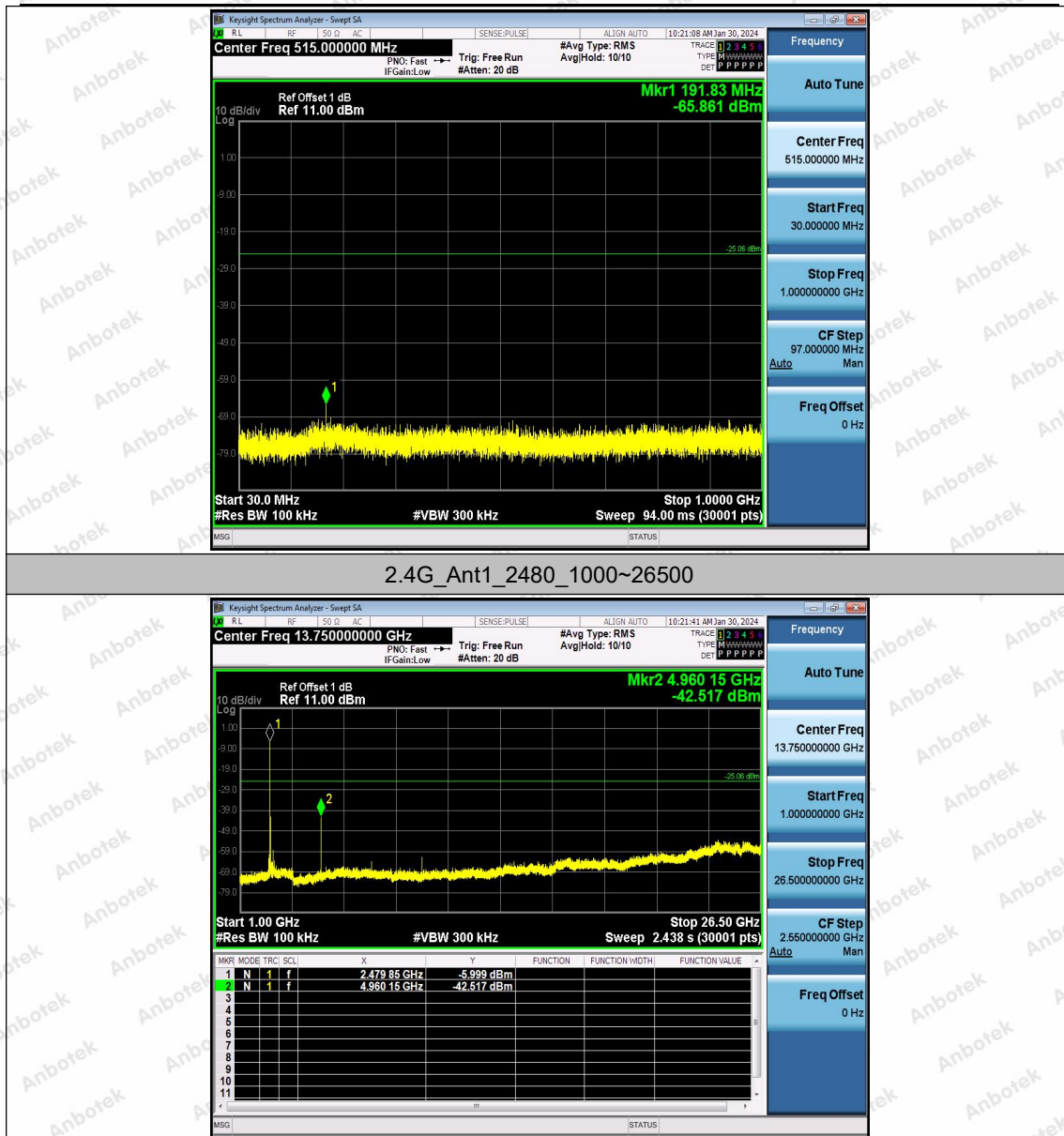
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Appendix I: Duty Cycle

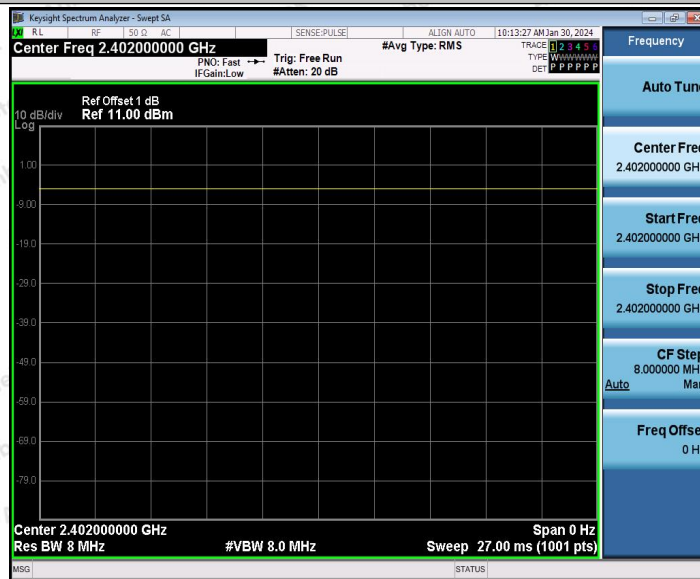
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time[ms]	Period[ms]	Duty Cycle[%]	Duty Cycle Factor[dB]
2.4G	Ant1	2402	27.00	27.00	100	0.00
		2440	27.00	27.00	100	0.00
		2480	27.00	27.00	100	0.00

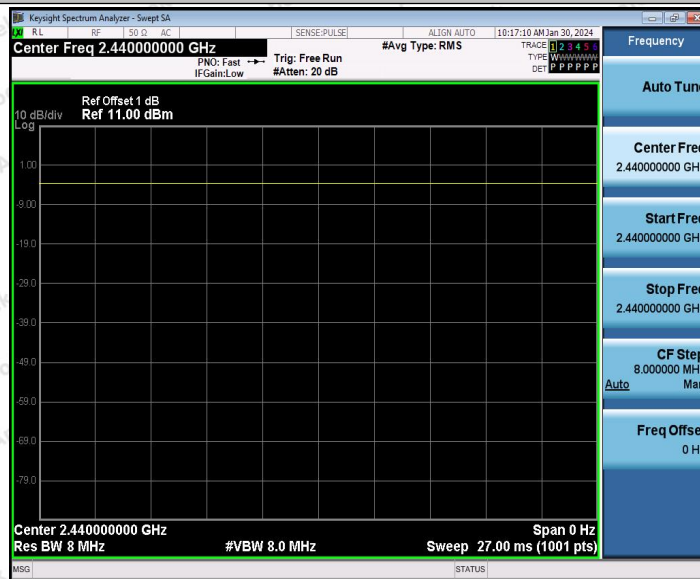


Test Graphs

2.4G_Ant1_2402



2.4G_Ant1_2440



2.4G_Ant1_2480

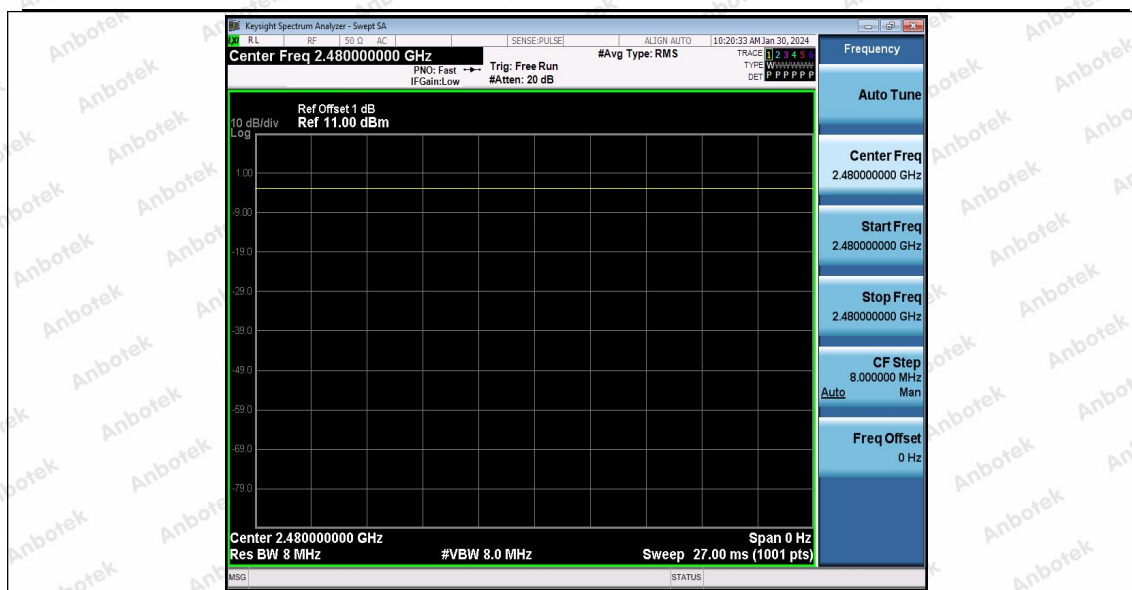
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