

Appendix Test Data

Report No.:	18220WC40045301	Test Sample No.:	1-2-2
Start Test Date:	2024.3.26	Finish Test Date:	2024.3.26
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	2402	1.869	2401.094	2402.963	---	---
		2440	1.254	2439.406	2440.660	---	---
		2480	1.263	2479.403	2480.666	---	---

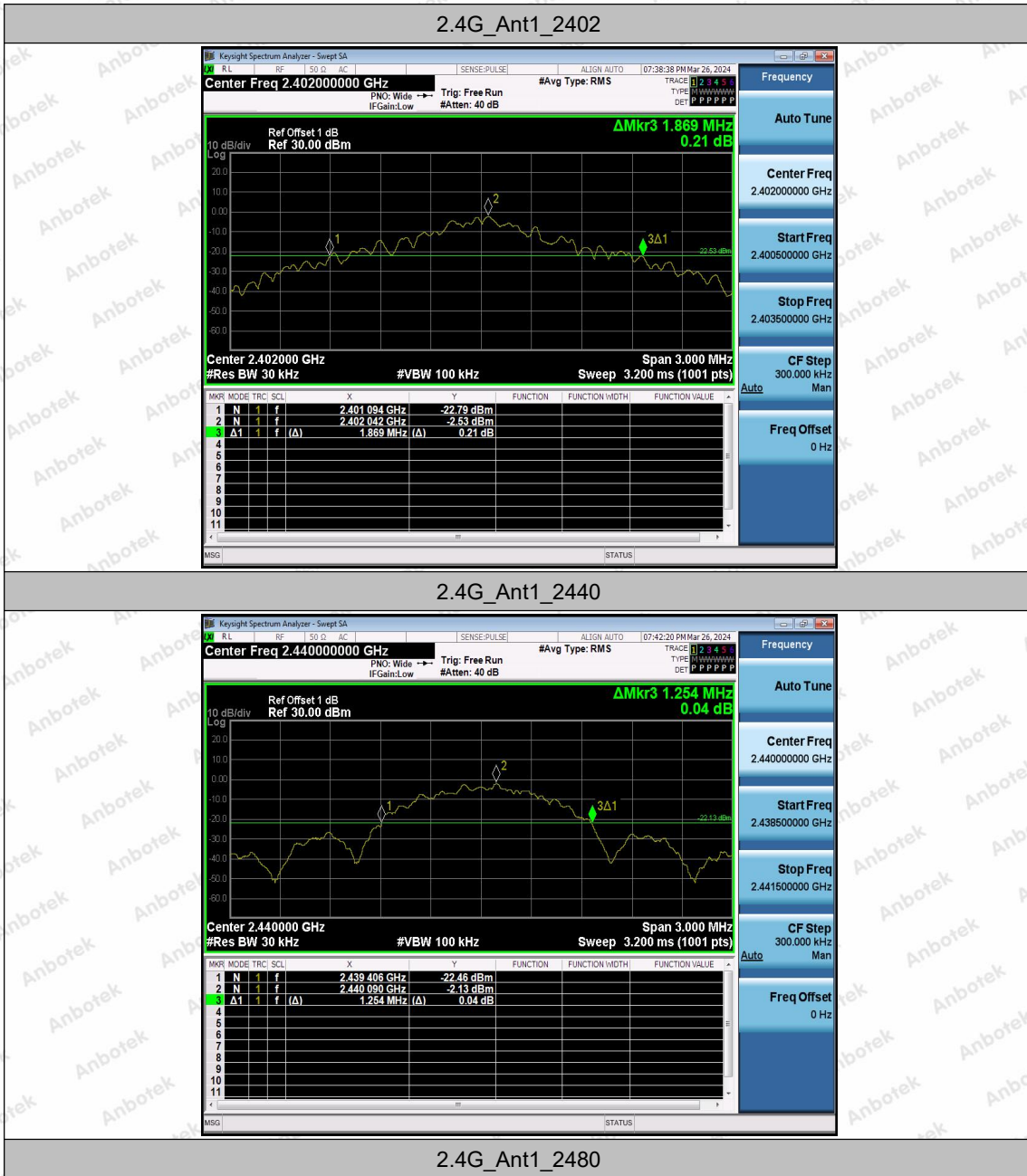
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Test Graphs



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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	1.7813	2401.1216	2402.9029	---	---
		2440	1.1526	2439.4424	2440.5950	---	---
		2480	1.1706	2479.4356	2480.6062	---	---

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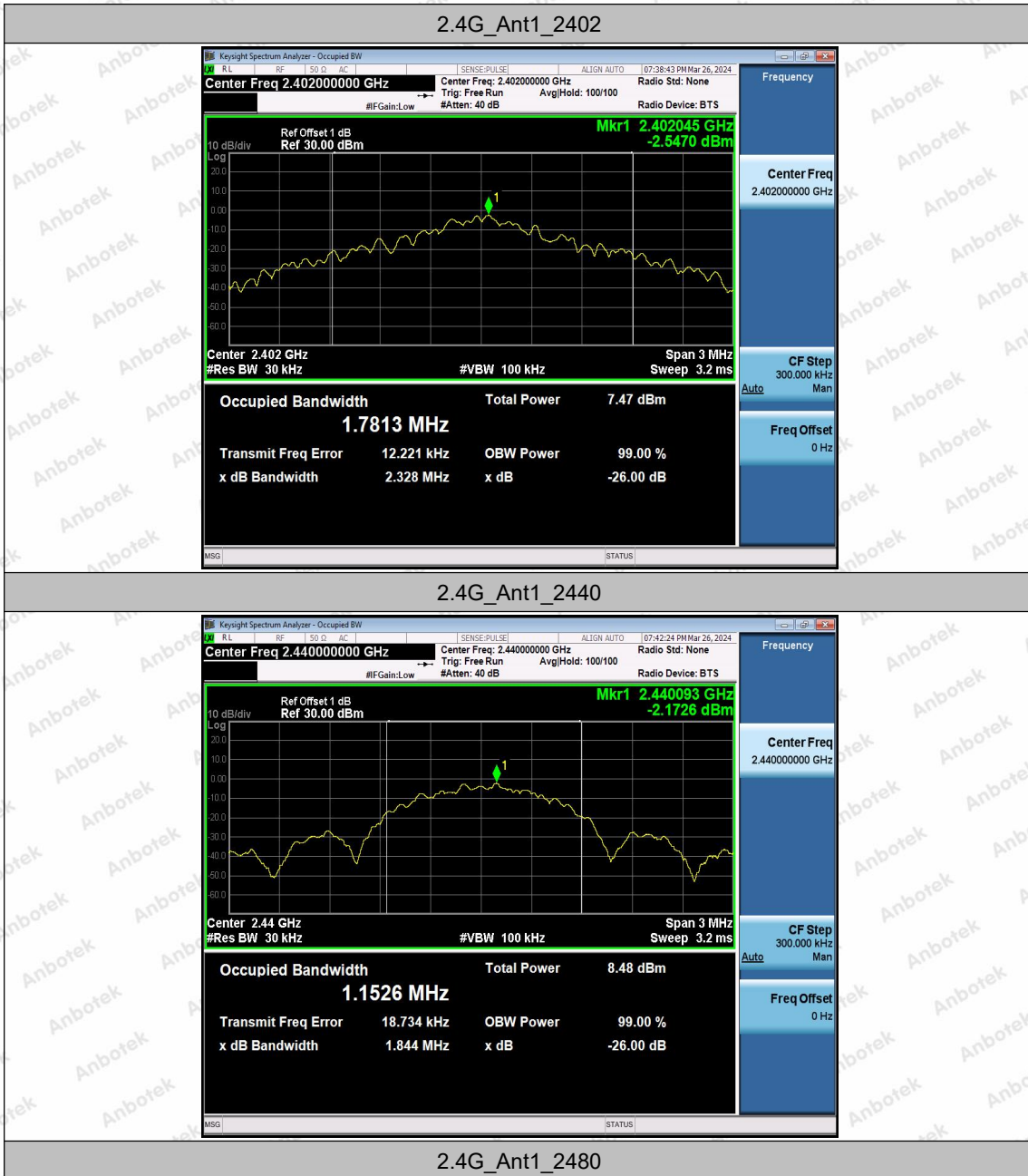
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Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2402	3.12	≤20.97	PASS
		2440	3.20	≤20.97	PASS
		2480	3.22	≤20.97	PASS

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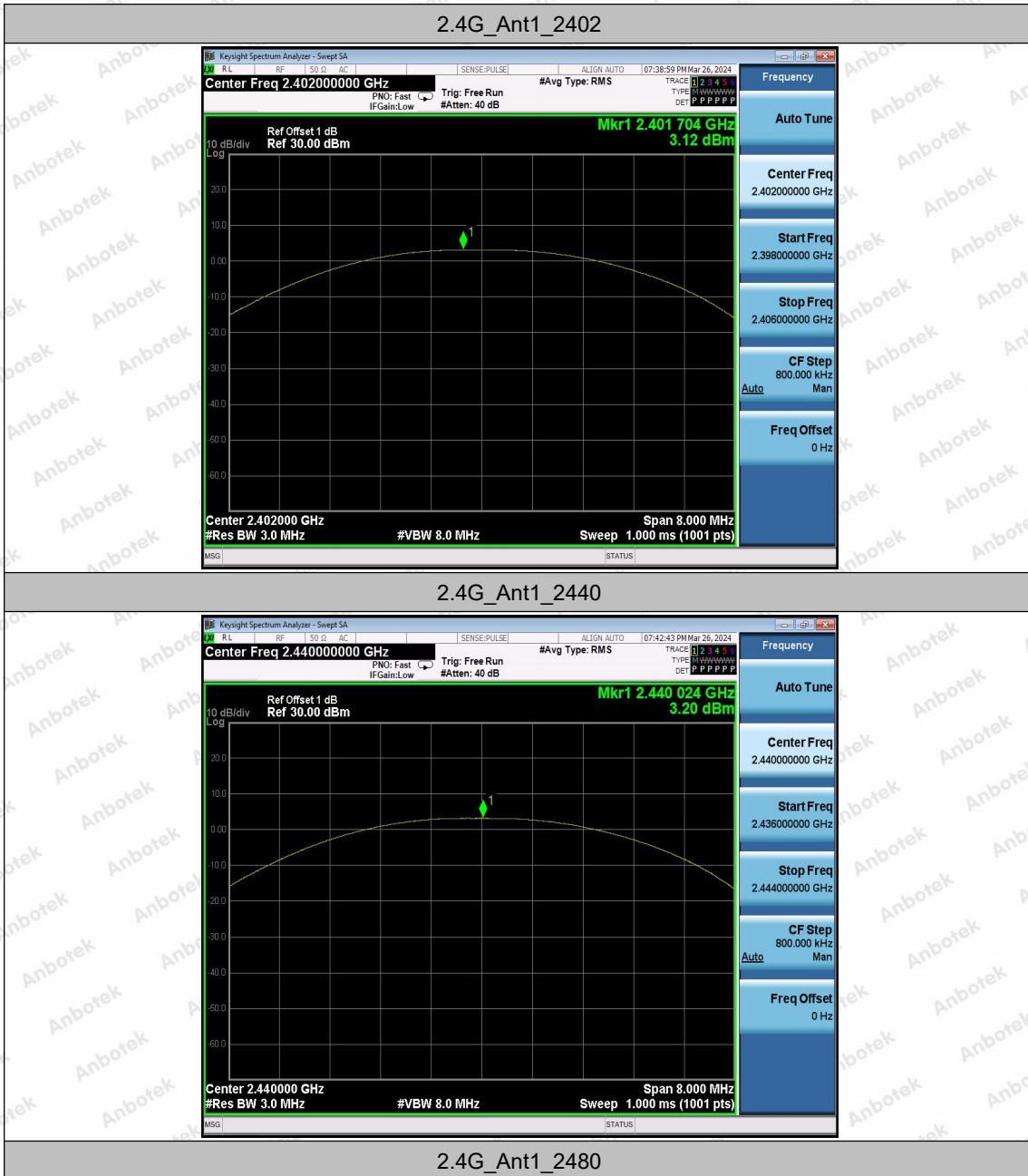
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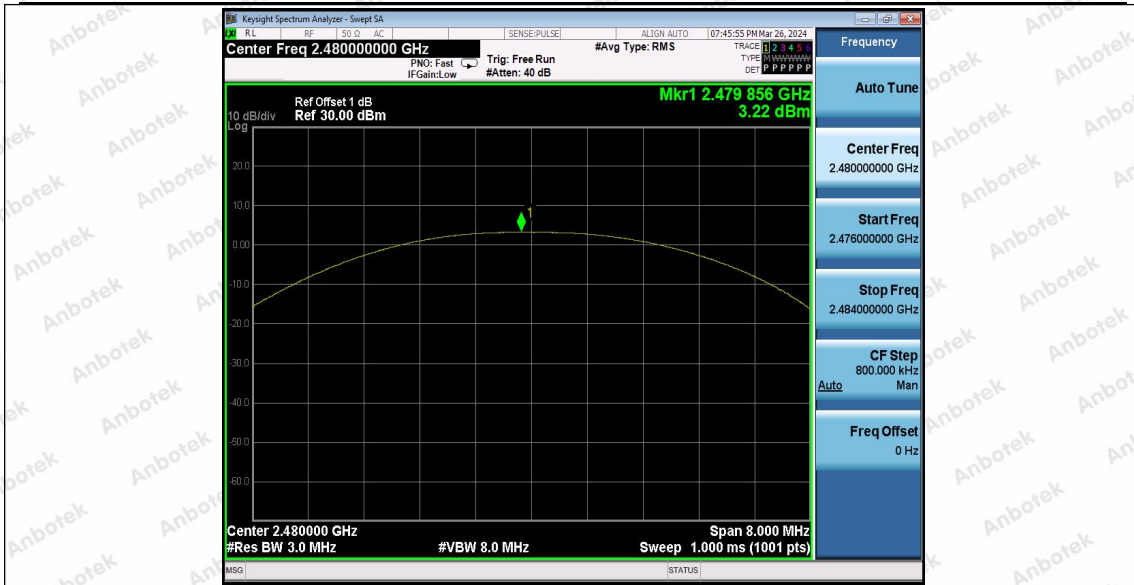


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Appendix D: Carrier Frequency Separation

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.07	≥1.246	PASS

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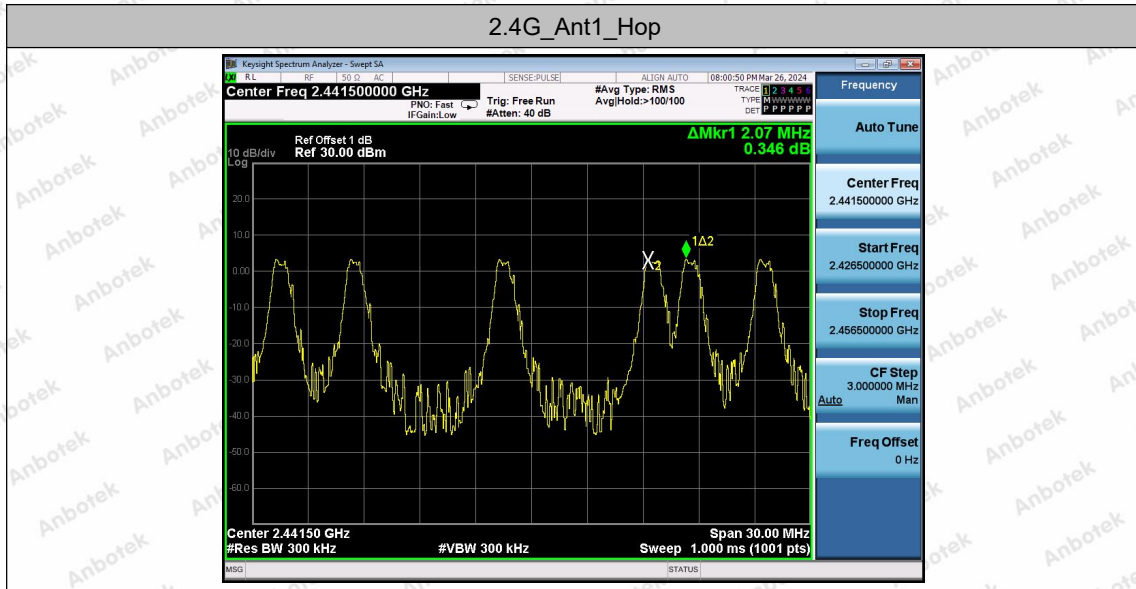
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.12	53	0.006	≤0.4	PASS

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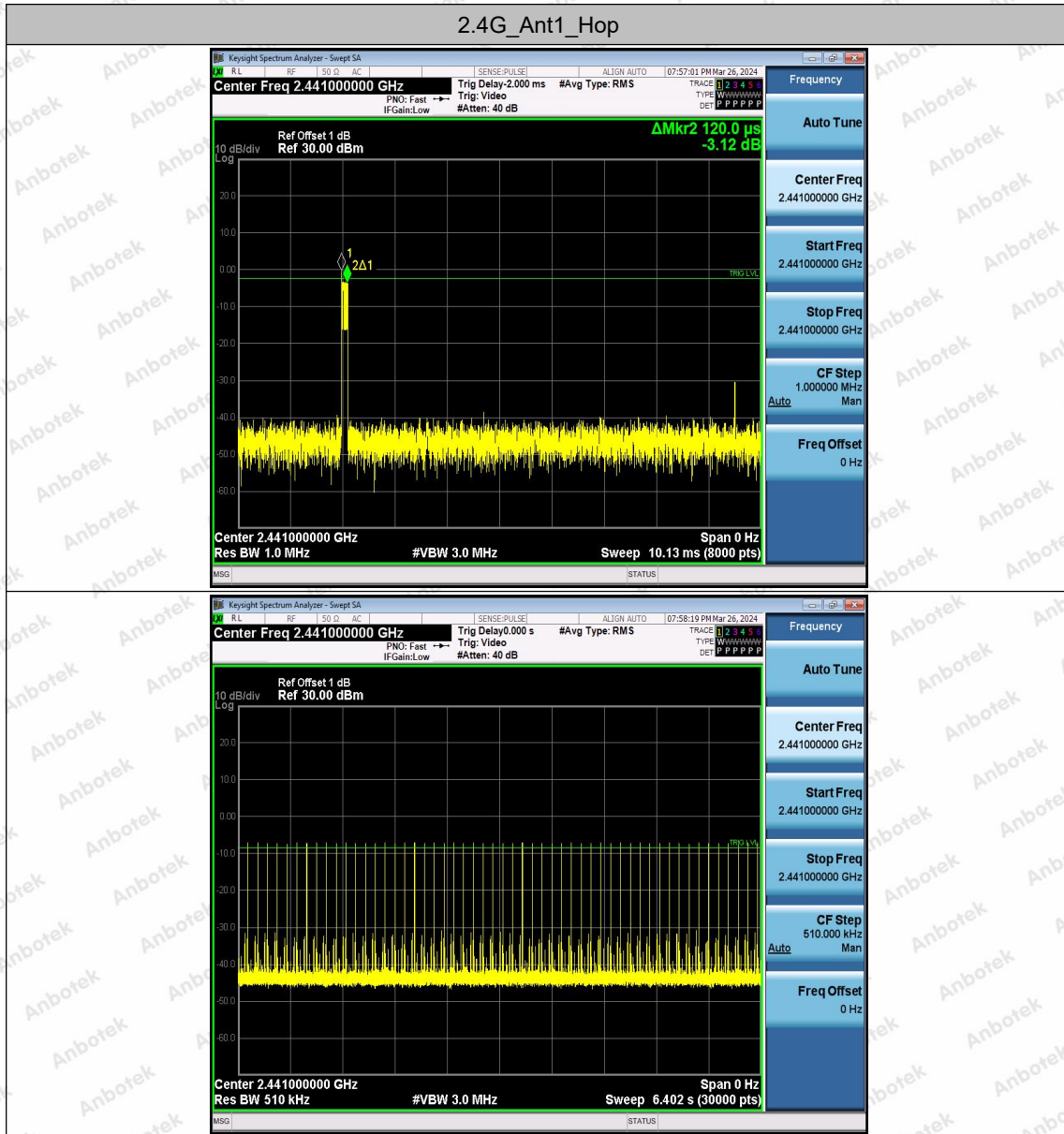
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Appendix F: Number of Hopping Channel

Test Result

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

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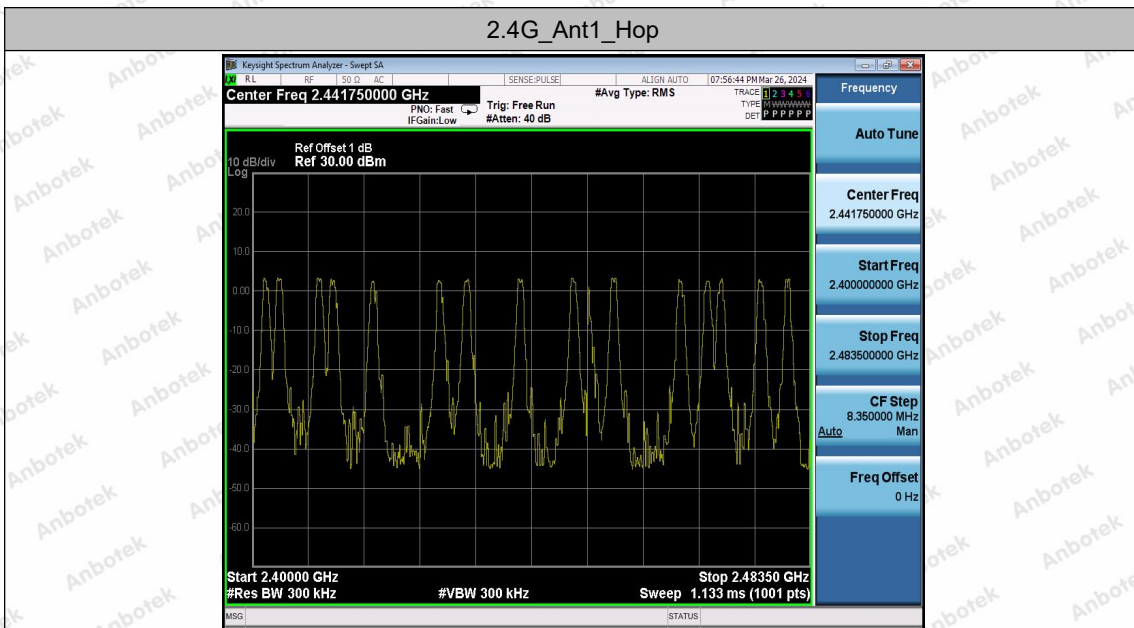
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Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2402	1.19	-35.51	≤-18.81	PASS
		High	2480	1.96	-41.47	≤-18.04	PASS
		Low	Hop_2402	2.11	-43.63	≤-17.9	PASS
		High	Hop_2480	2.25	-49.07	≤-17.75	PASS

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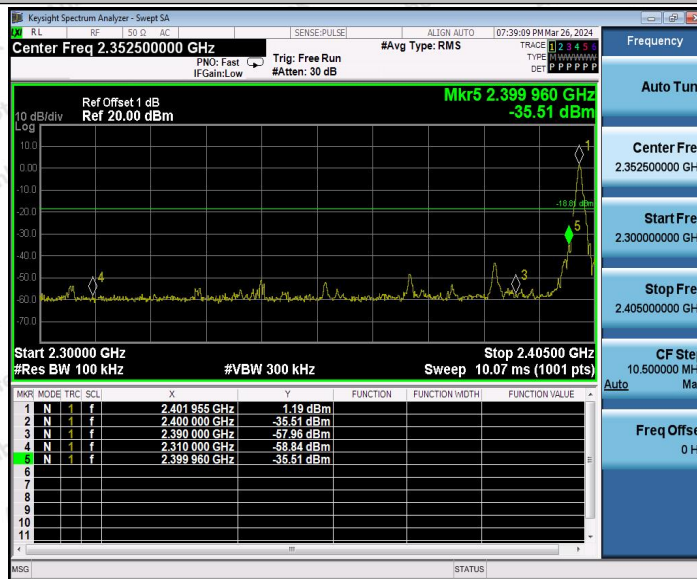


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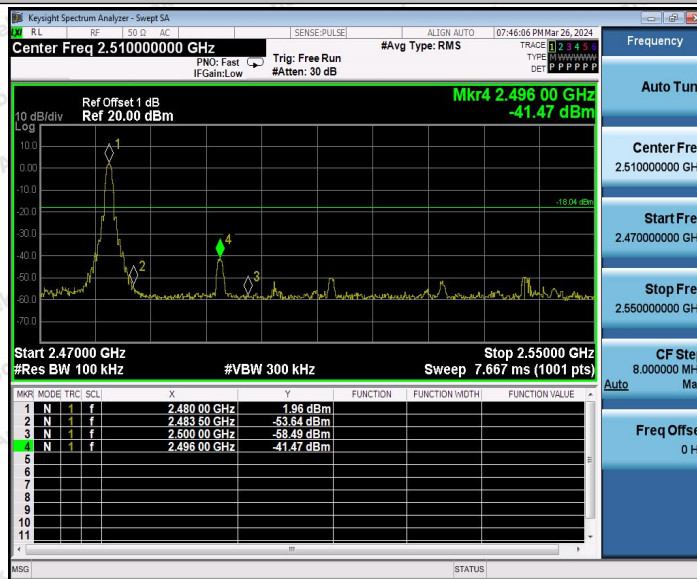


Test Graphs

2.4G_Ant1_Low_2402



2.4G_Ant1_High_2480



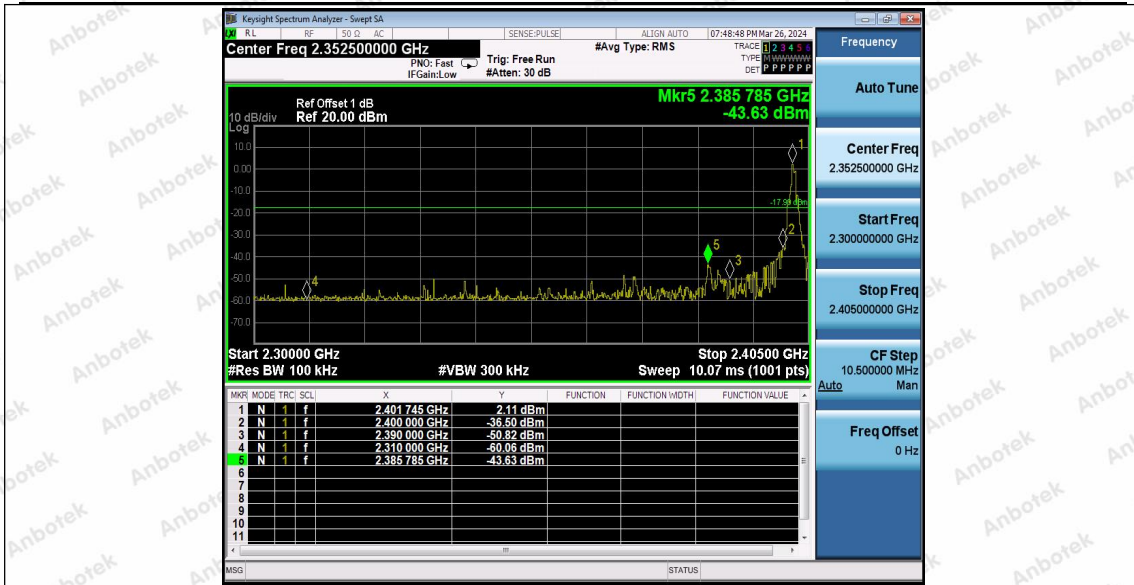
2.4G_Ant1_Low_Hop_2402

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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	1.06	1.06	---	PASS
			30~1000	1.06	-67.71	≤-18.94	PASS
			1000~26500	1.06	-50.93	≤-18.94	PASS
		2440	Reference	1.34	1.34	---	PASS
			30~1000	1.34	-67.01	≤-18.66	PASS
			1000~26500	1.34	-45.98	≤-18.66	PASS
		2480	Reference	1.40	1.40	---	PASS
			30~1000	1.40	-67.53	≤-18.6	PASS
			1000~26500	1.40	-44.86	≤-18.6	PASS

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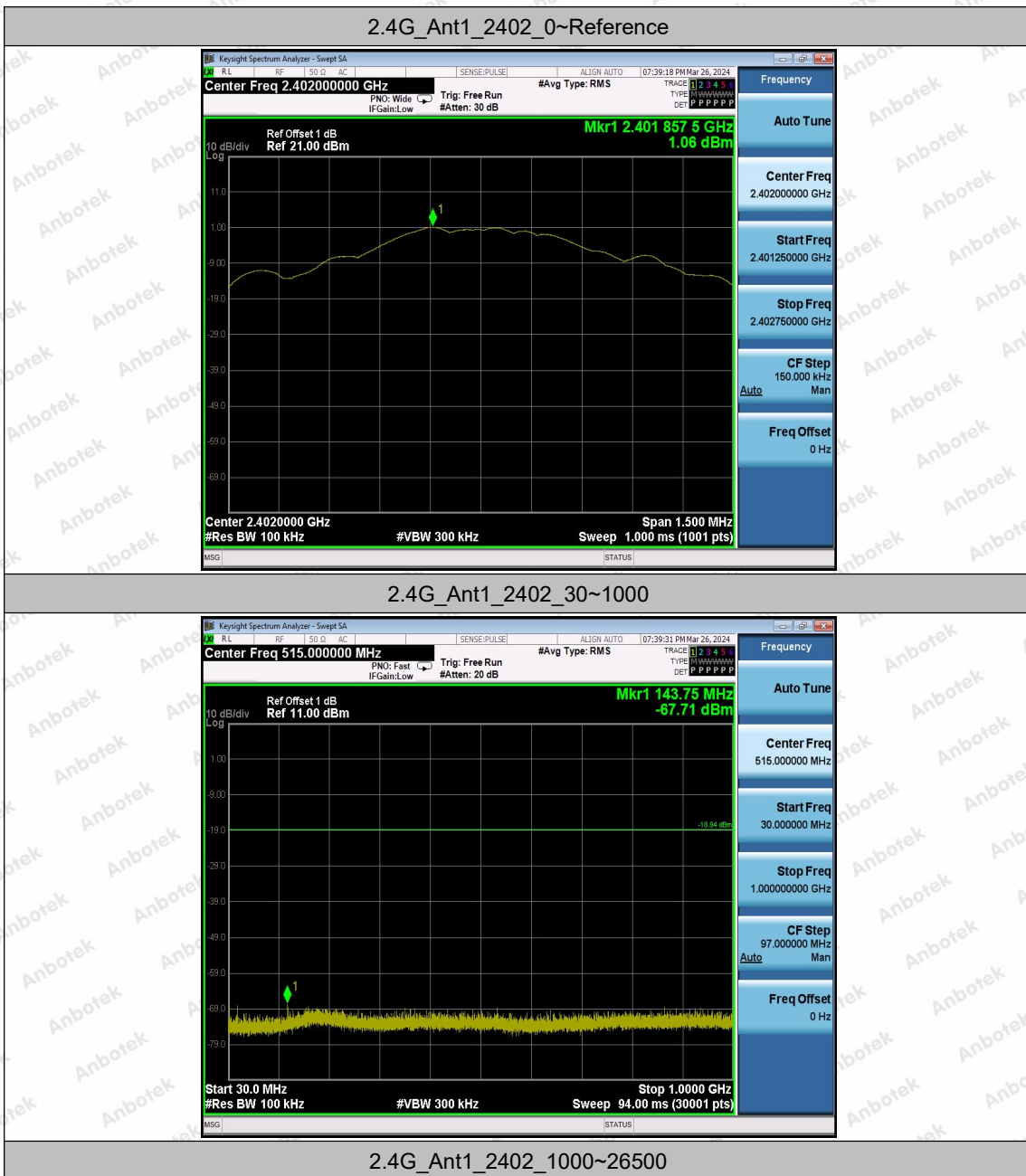
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Test Graphs

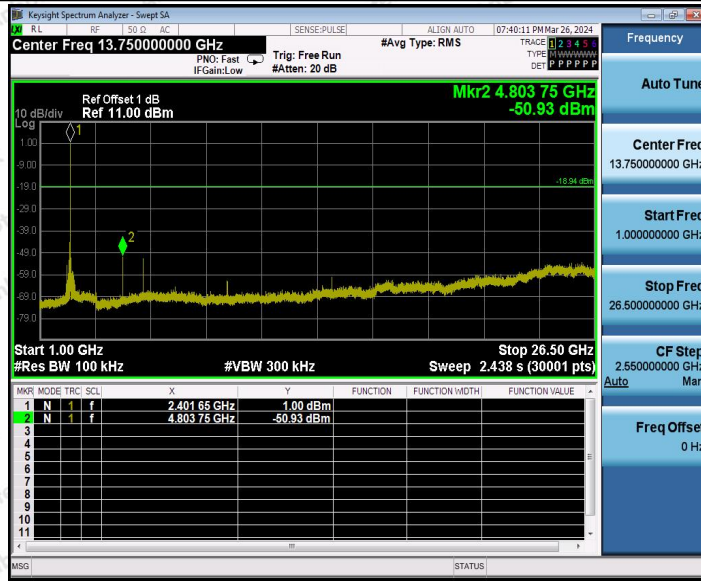


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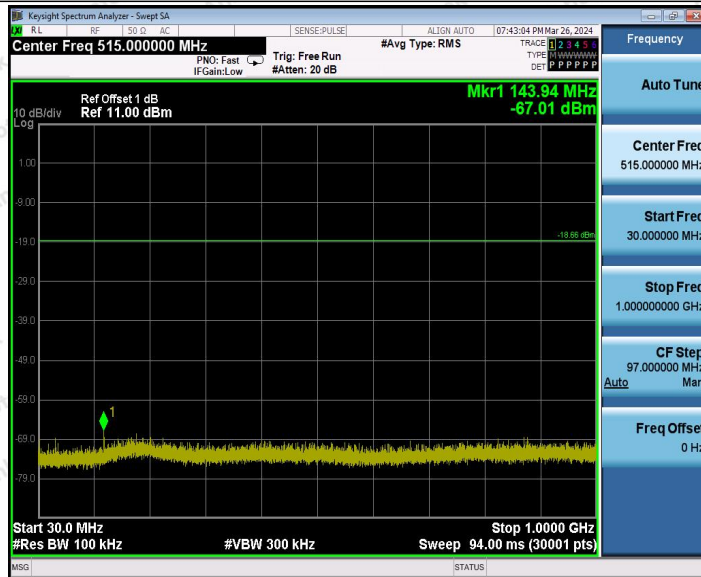




2.4G_Ant1_2440_0~Reference



2.4G_Ant1_2440_30~1000

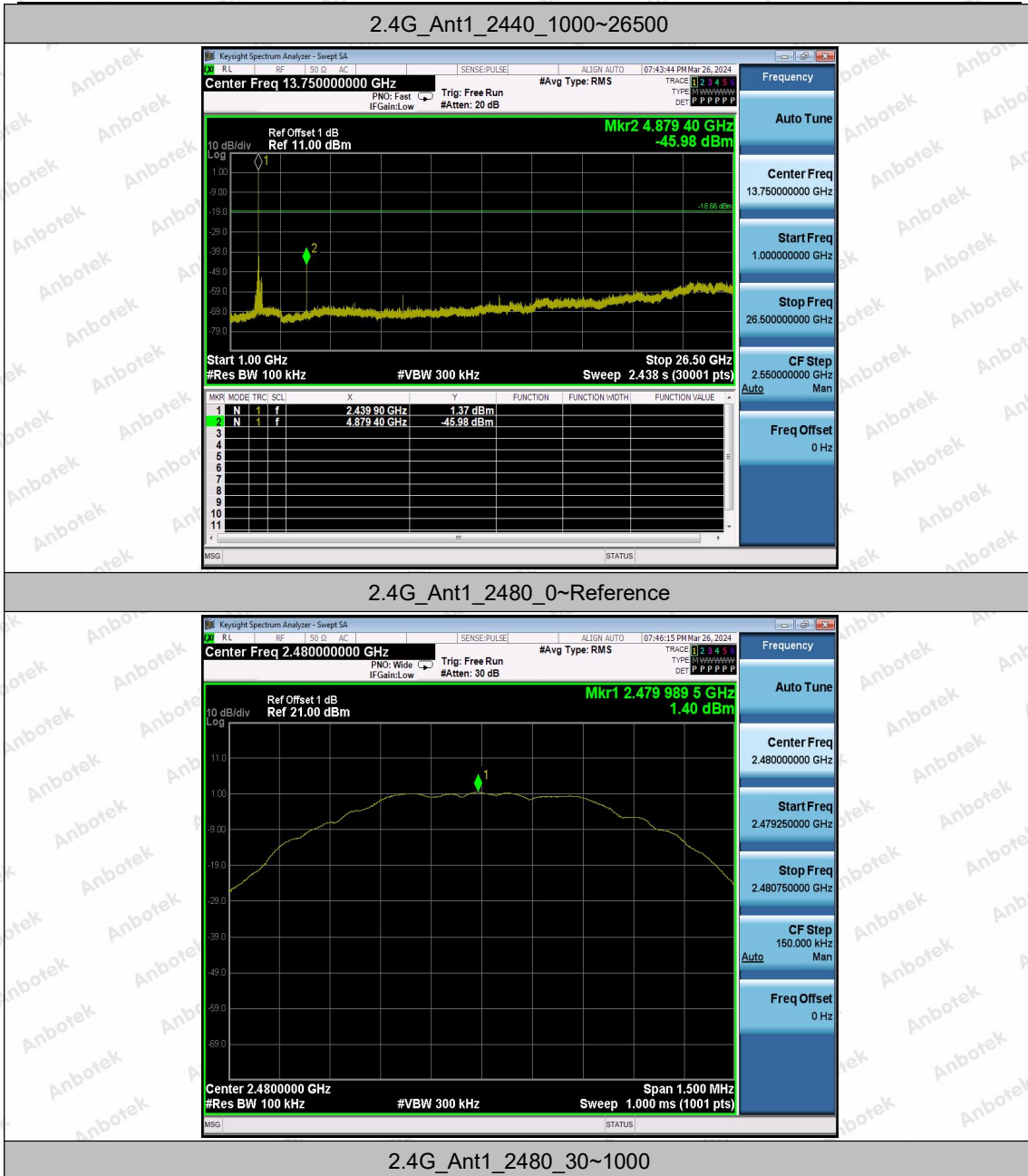


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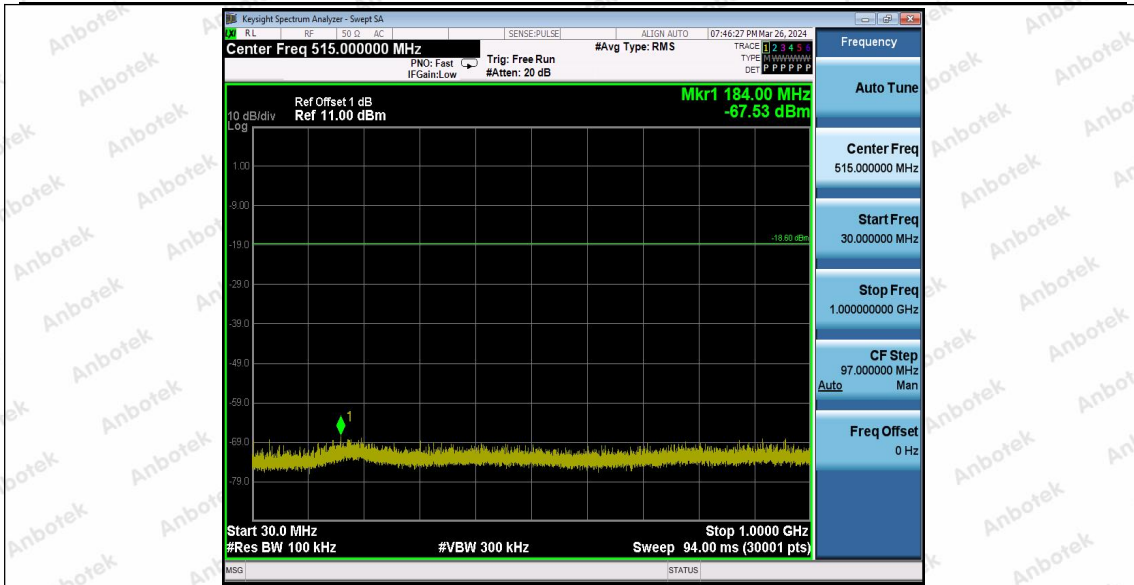


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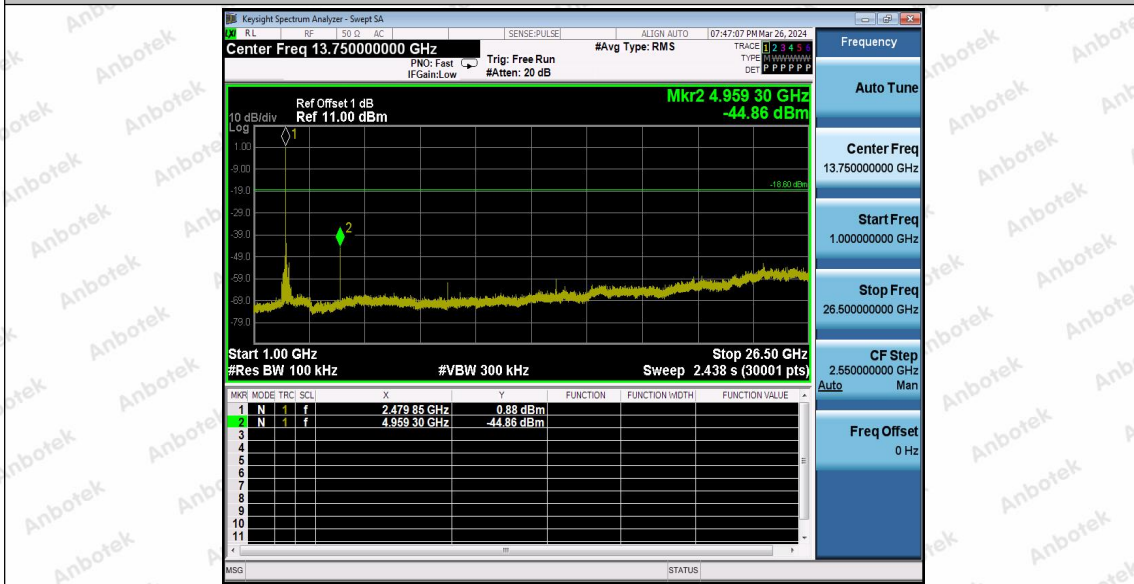
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2.4G_Ant1_2480_1000~26500



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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	27.00	27.00	100	PASS
		2440	27.00	27.00	100	PASS
		2480	27.00	27.00	100	PASS

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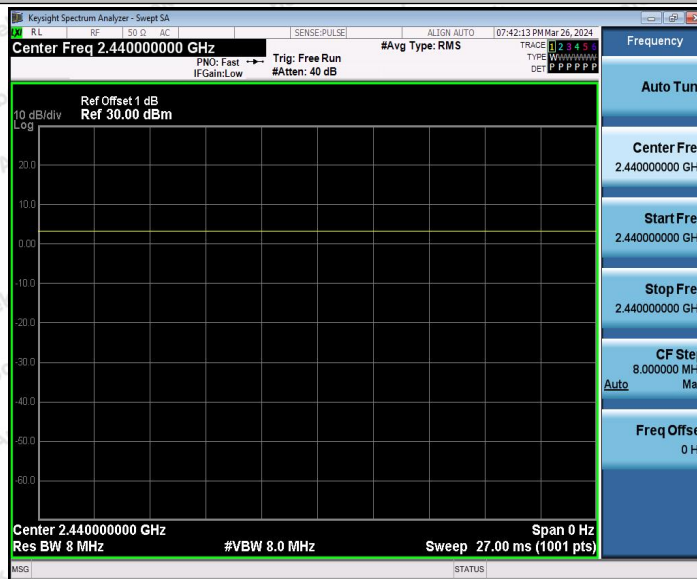


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2.4G_Ant1_2402



2.4G_Ant1_2440



2.4G_Ant1_2480

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