

Appendix Test Data

Report No.:	18220WC40036401	Test Sample No.:	1-2-2
Start Test Date:	2024.4.3	Finish Test Date:	2024.4.3
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	1.143	2401.391	2402.534	---	---
		2441	1.152	2440.400	2441.552	---	---
		2480	1.128	2479.400	2480.528	---	---

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	1.0170	2401.4608	2402.4778	---	---
		2441	1.0154	2440.4631	2441.4785	---	---
		2480	1.0102	2479.4627	2480.4729	---	---

Test Graphs



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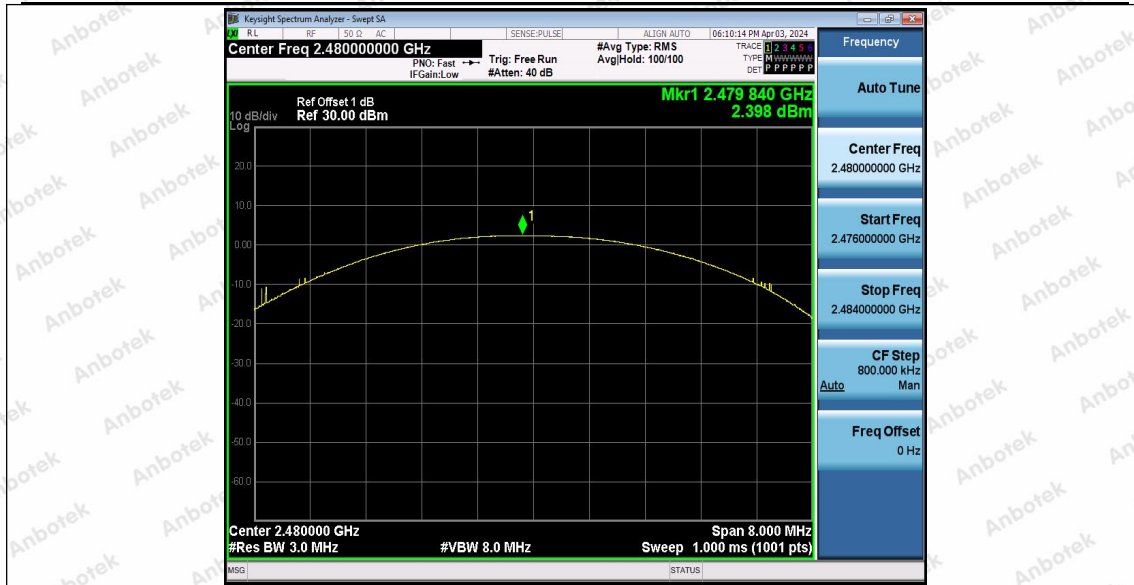
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2402	3.44	≤20.97	PASS
		2441	3.12	≤20.97	PASS
		2480	2.40	≤20.97	PASS

Test Graphs



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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	0.998	≥0.768	PASS

Test Graphs

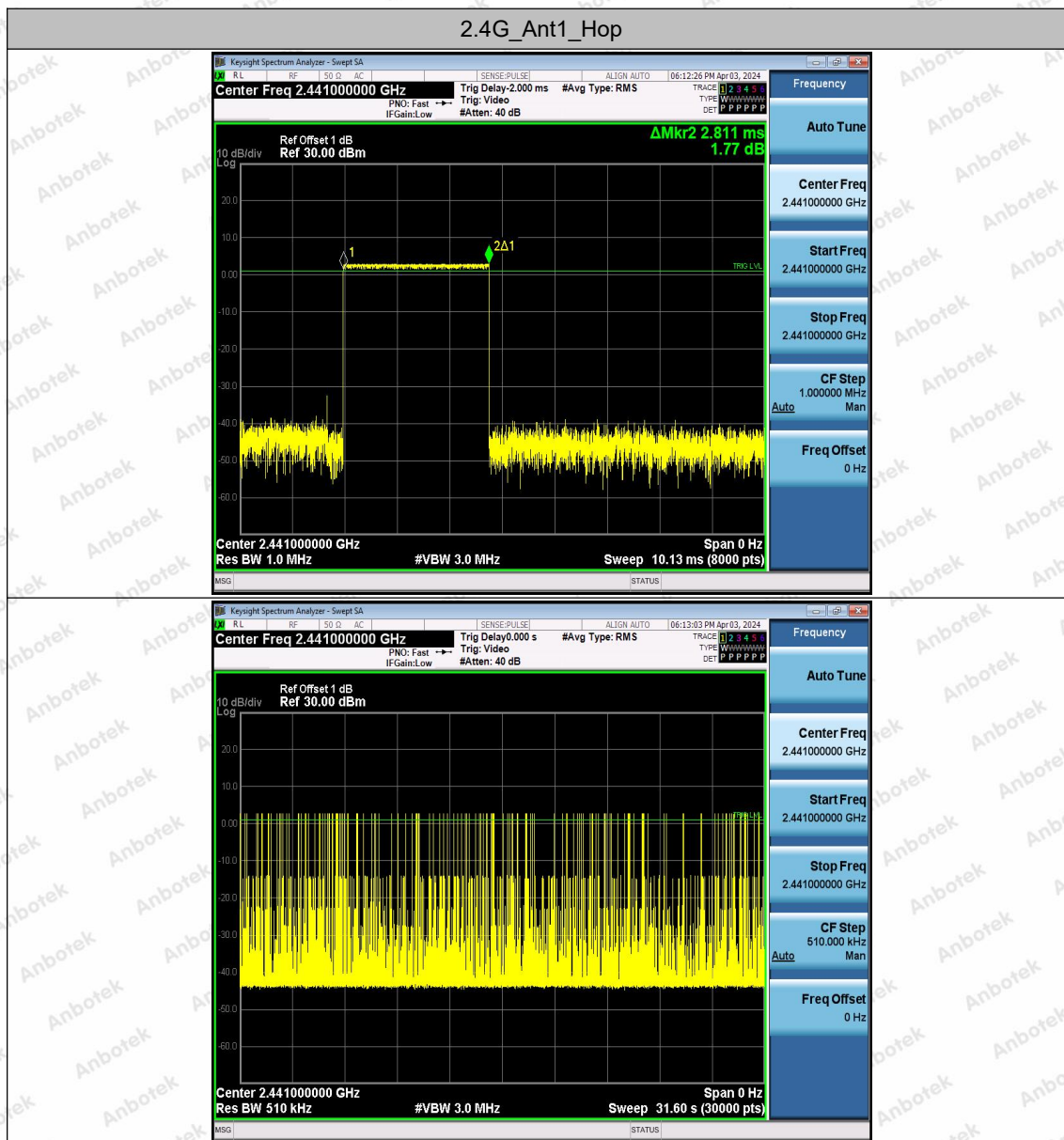


Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	2.811	133	0.374	≤0.4	PASS

Test Graphs



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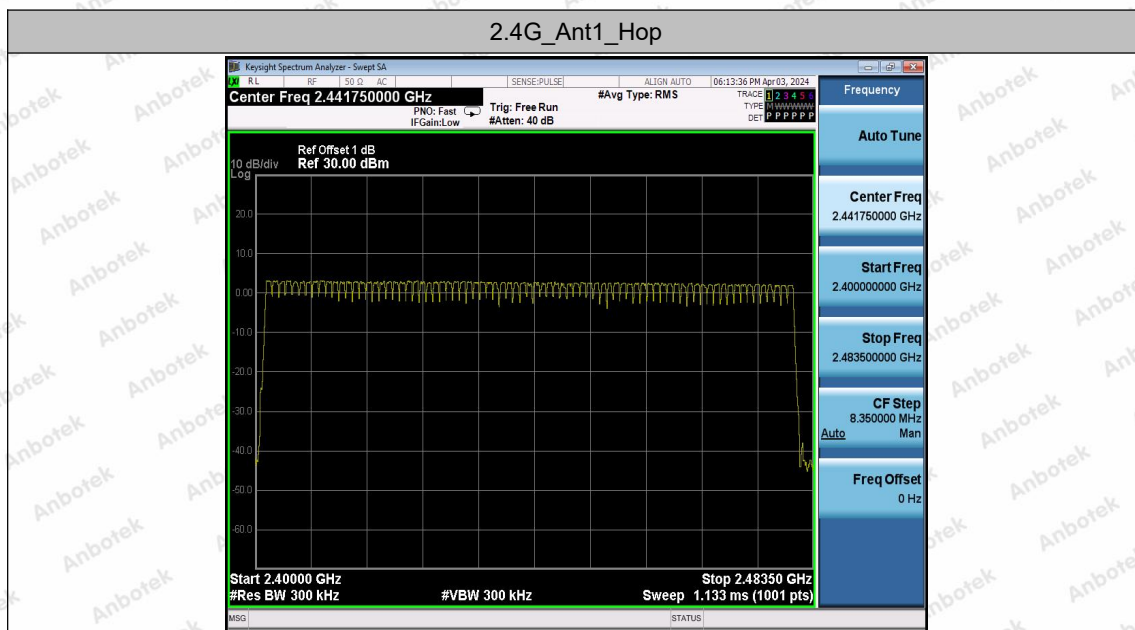


Appendix F: Number of Hopping Channel

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
2.4G	Ant1	Hop	79	≥15	PASS

Test Graphs

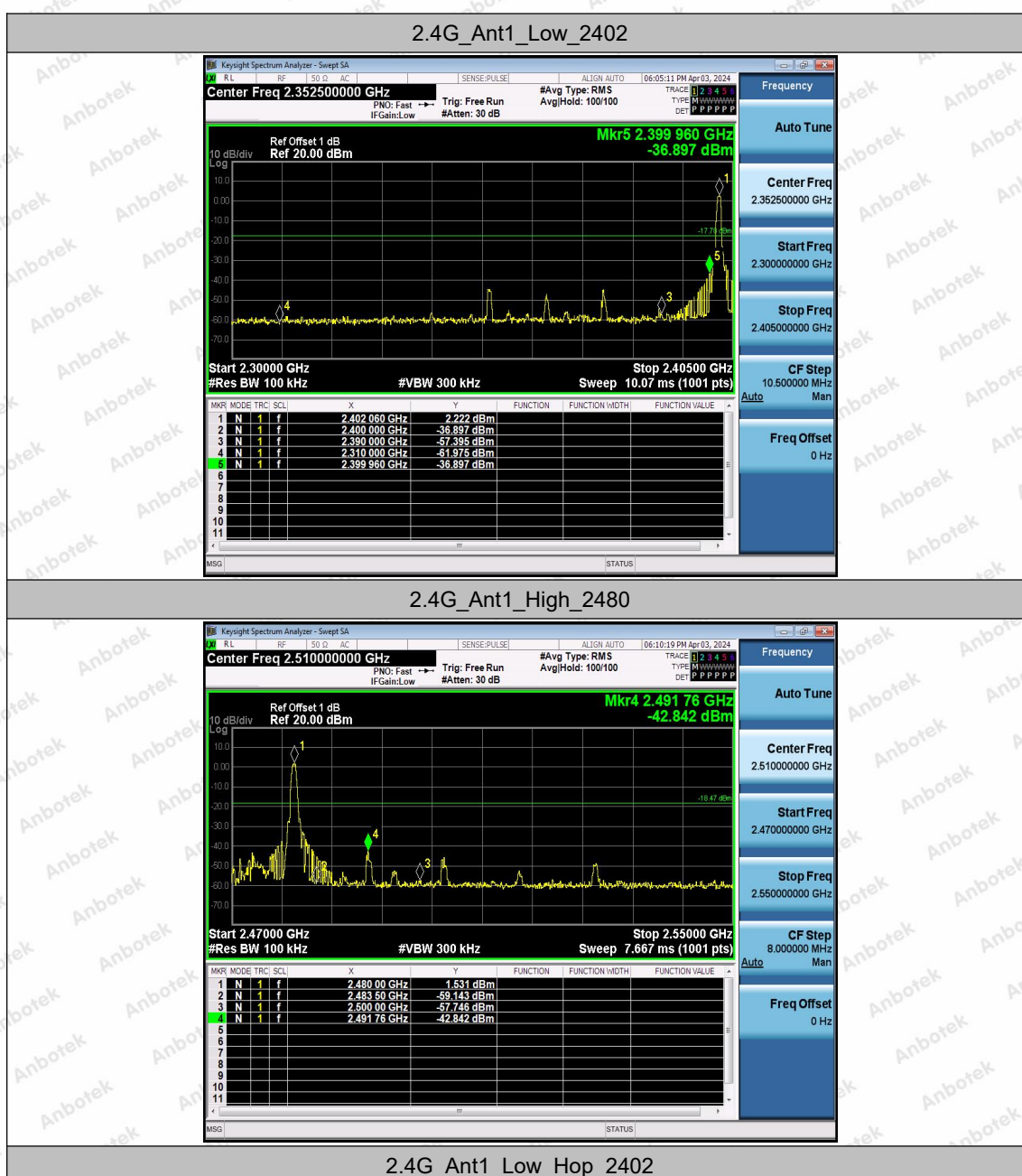


Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2402	2.22	-36.9	≤-17.78	PASS
		High	2480	1.53	-42.84	≤-18.47	PASS
		Low	Hop_2402	1.82	-44.64	≤-18.18	PASS
		High	Hop_2480	1.20	-44.44	≤-18.8	PASS

Test Graphs



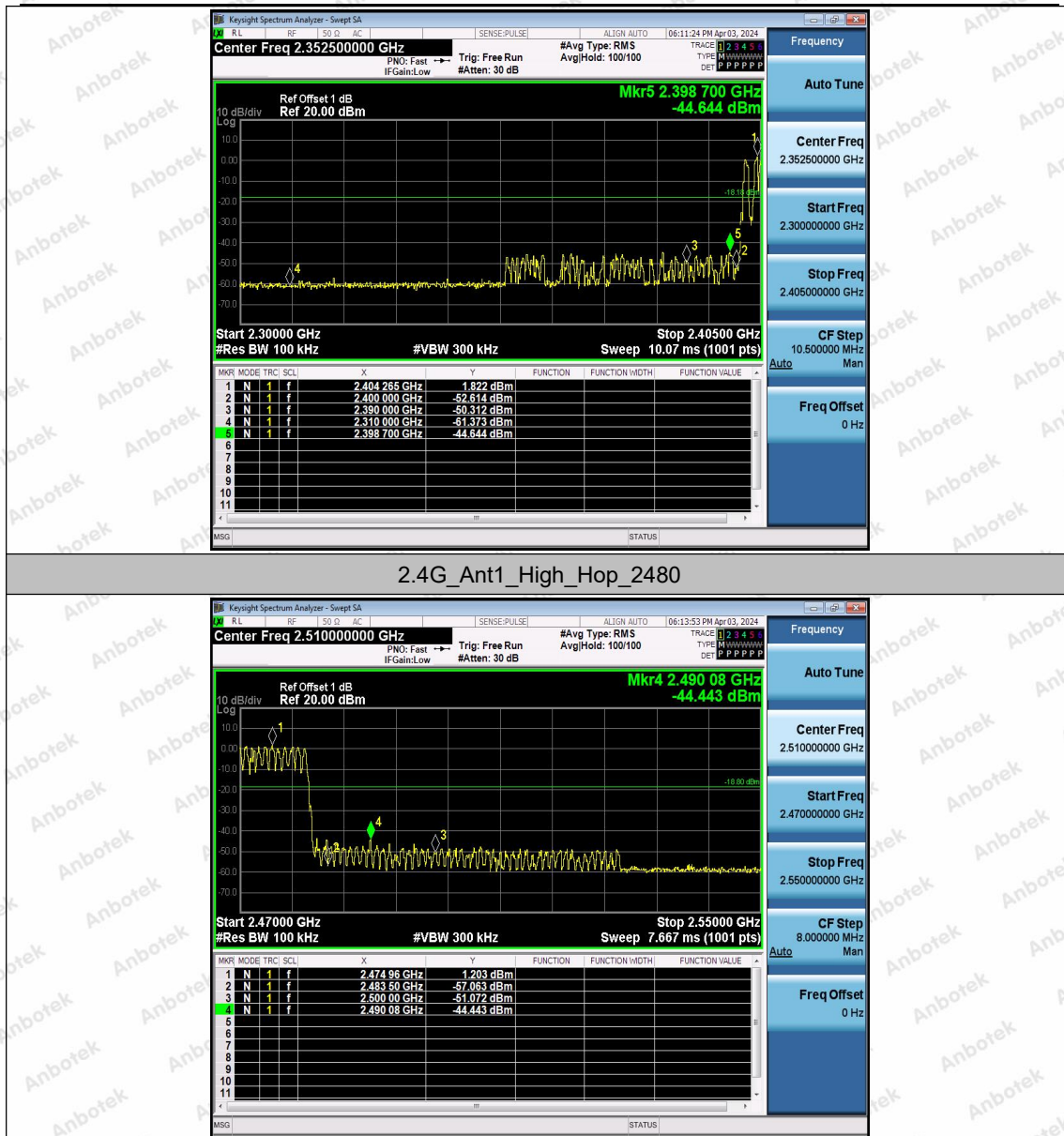
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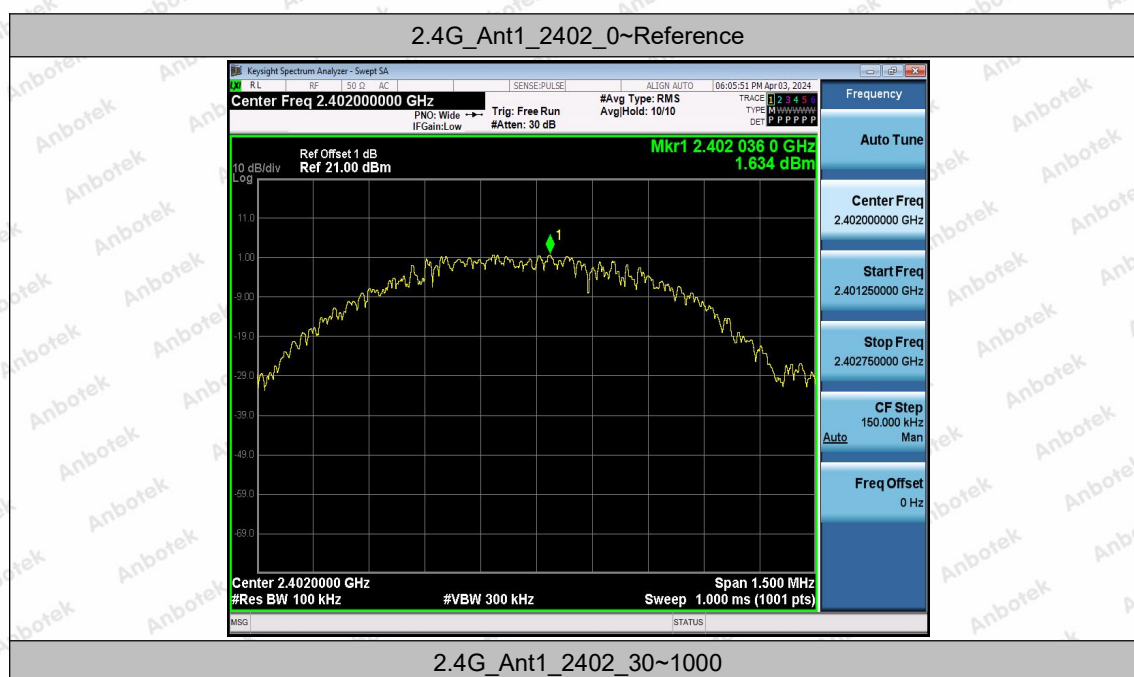


Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2402	Reference	1.63	1.63	---	PASS
			30~1000	1.63	-48.12	≤-18.37	PASS
			1000~26500	1.63	-33.76	≤-18.37	PASS
		2441	Reference	1.59	1.59	---	PASS
			30~1000	1.59	-47.59	≤-18.41	PASS
			1000~26500	1.59	-34.07	≤-18.41	PASS
		2480	Reference	0.72	0.72	---	PASS
			30~1000	0.72	-46.69	≤-19.28	PASS
			1000~26500	0.72	-33.09	≤-19.28	PASS

Test Graphs



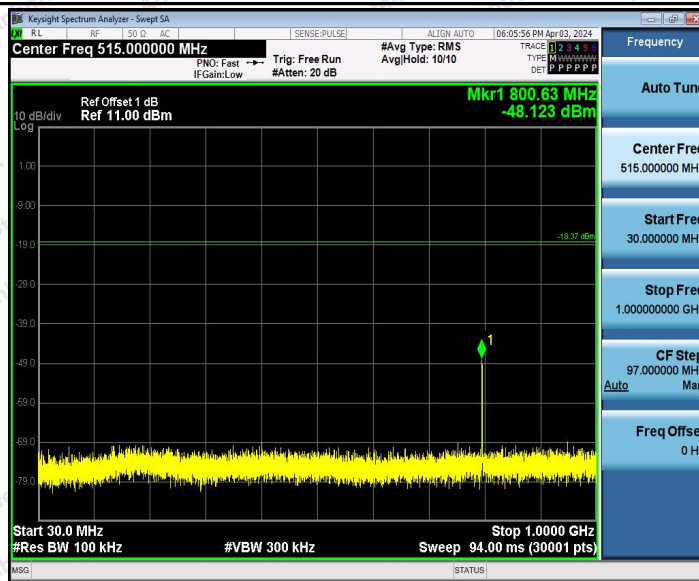
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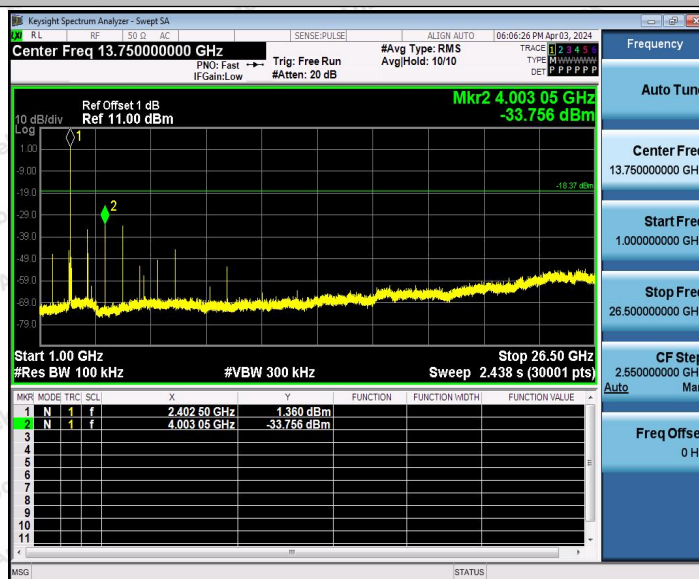


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2.4G_Ant1_2402_1000~26500



2.4G_Ant1_2441_0~Reference



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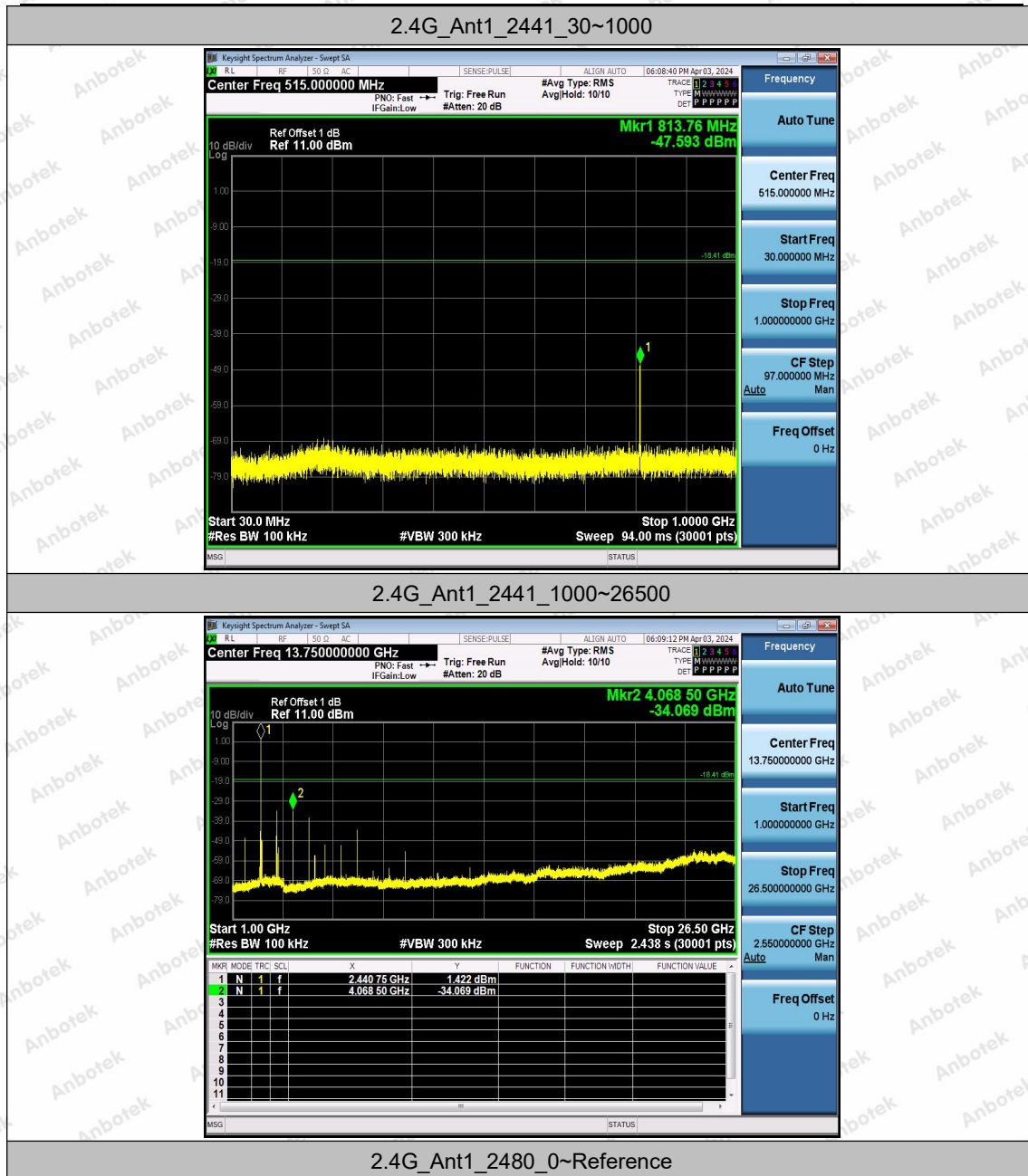
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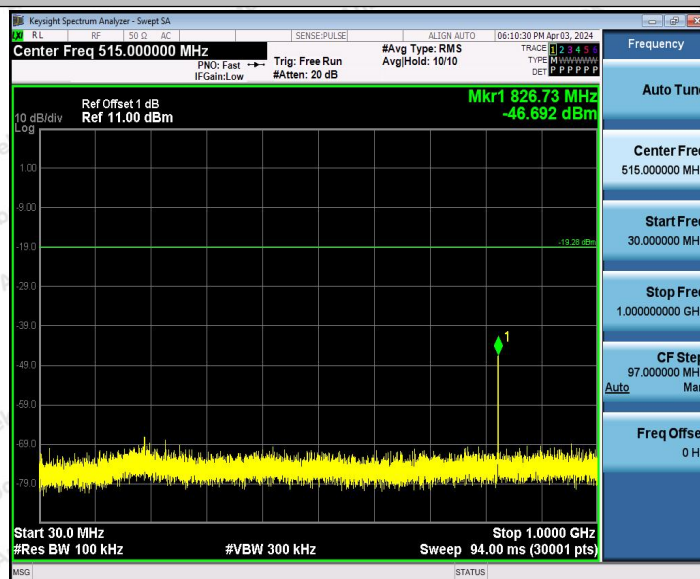


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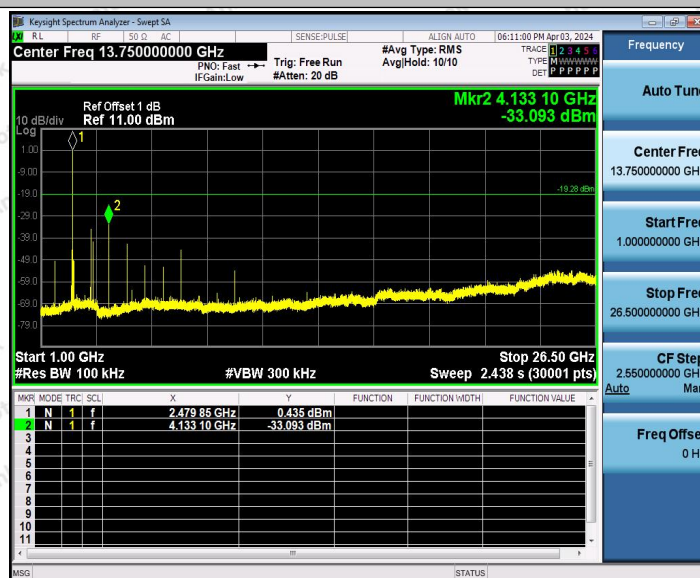




2.4G_Ant1_2480_30~1000



2.4G_Ant1_2480_1000~26500



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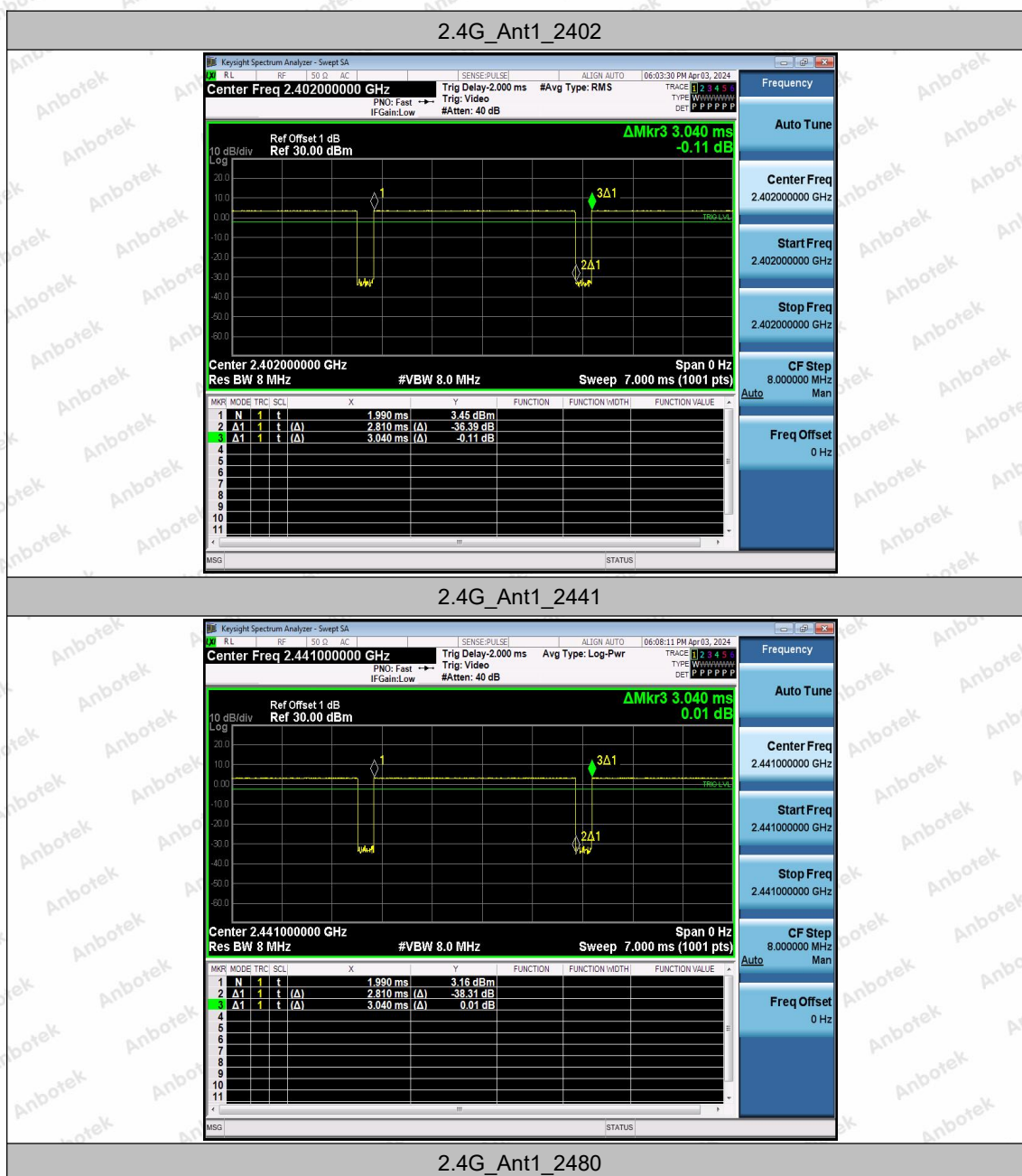


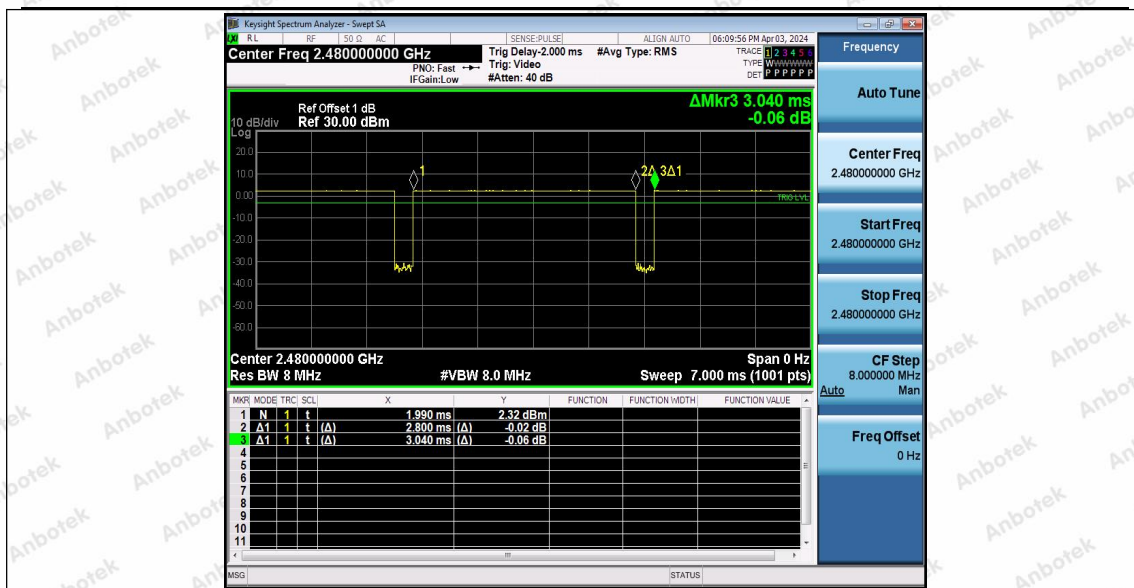
Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[M Hz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2402	2.81	3.04	92.43	0.34
		2441	2.81	3.04	92.43	0.34
		2480	2.80	3.04	92.11	0.36

Test Graphs





---END---

