

Appendix Test Data

Report No.:	1812C40005412501	Test Sample No.:	1-2-2
Start Test Date:	2024.7.30	Finish Test Date:	2024.8.16
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25.5℃	Relative Humidity:	47%
Pressure:	101kPa		

Appendix A: 20dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	1.715	2402.315	2404.030	---	---
2.4G	Ant1	2441	1.320	2440.345	2441.665	---	---
2.4G	Ant1	2480	1.230	2479.390	2480.620	---	---



Test Graphs



2.4G-Ant1-2403



2.4G-Ant1-2441



2.4G-Ant1-2480

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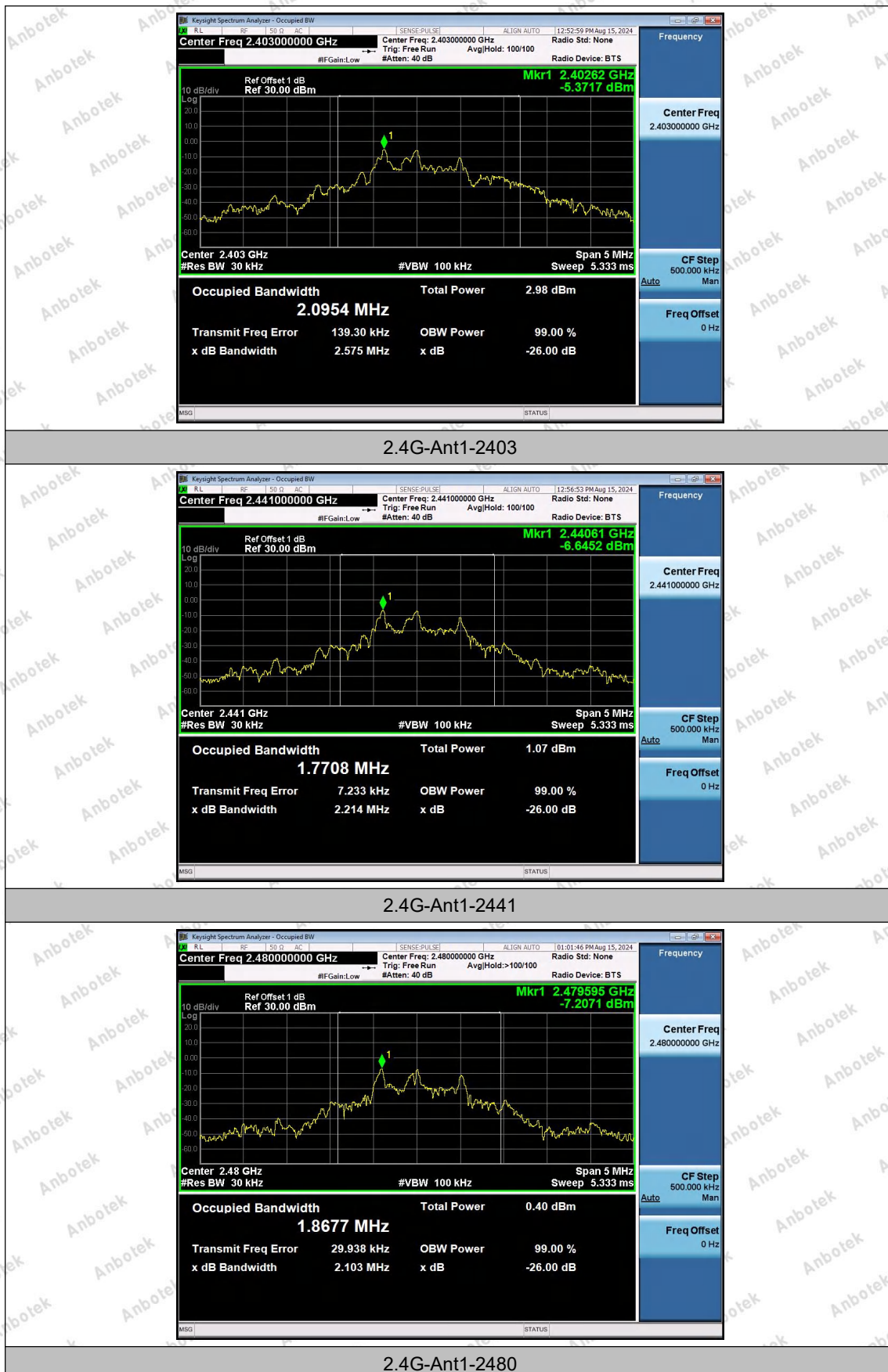
Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.0954	2402.0916	2404.1870	---	---
2.4G	Ant1	2441	1.7708	2440.1218	2441.8926	---	---
2.4G	Ant1	2480	1.8677	2479.0961	2480.9638	---	---



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	2403	-5.12	≤20.97	PASS
2.4G	Ant1	2441	-6.92	≤20.97	PASS
2.4G	Ant1	2480	-6.84	≤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	≥1.143	PASS



Test Graphs



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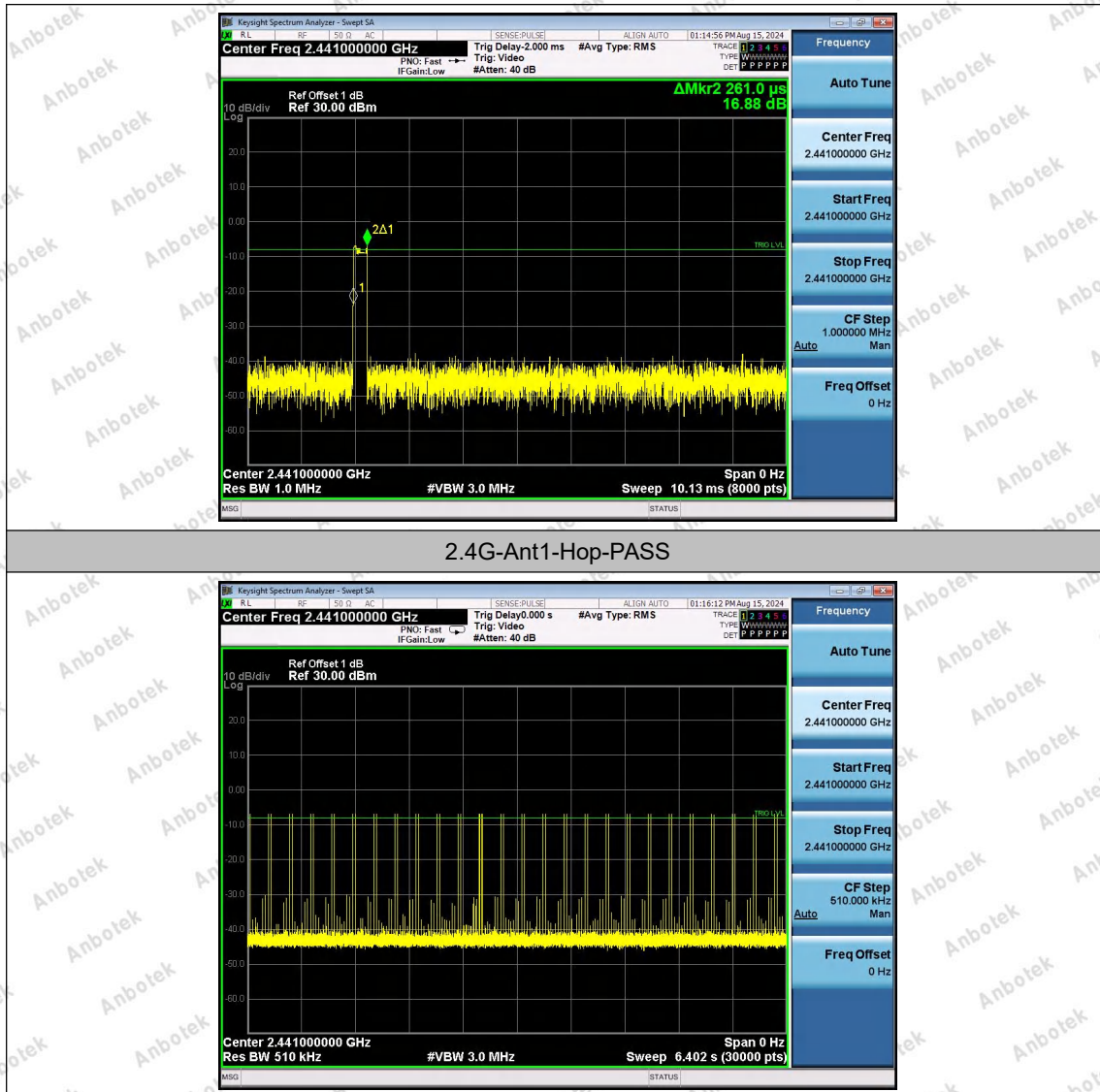
Appendix E: Dwell Time

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.261	253	0.066	≤0.4	PASS



Test Graphs



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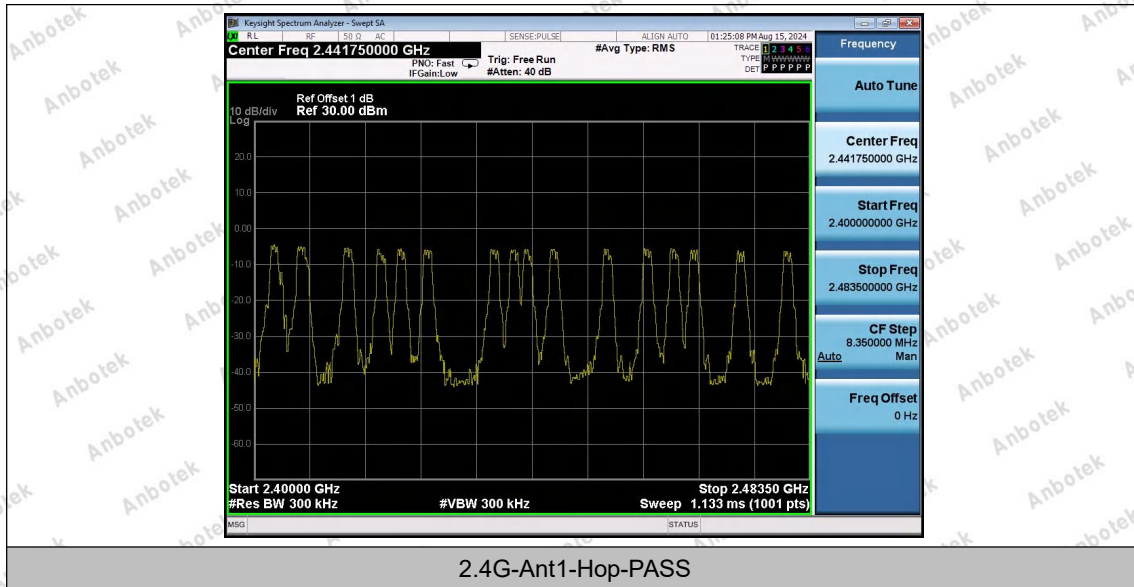
Appendix F: Number of Hopping Channel

Test Result

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



Test Graphs



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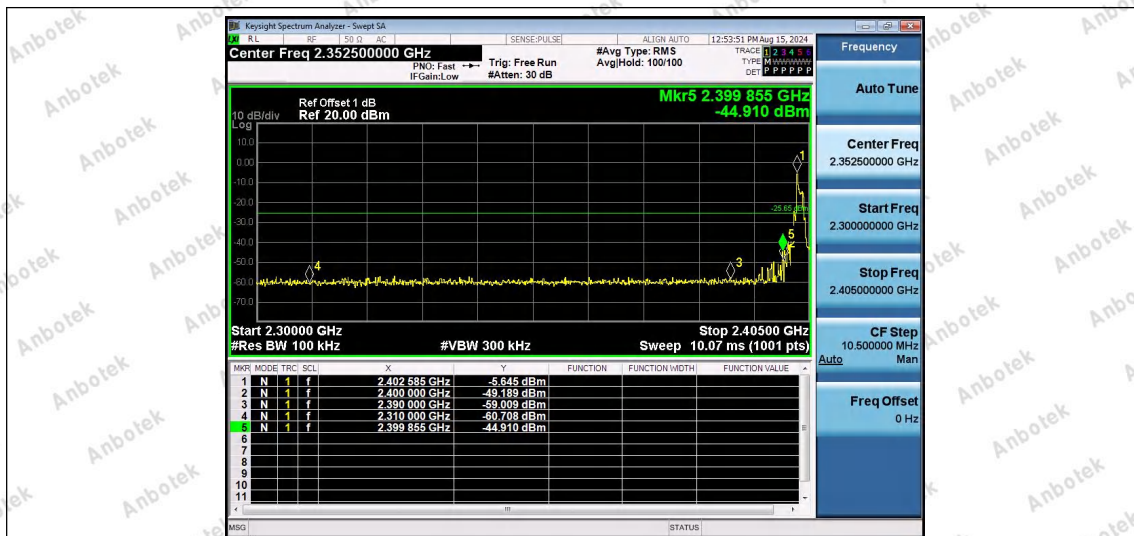
Appendix G: Conducted Band edge

Test Result

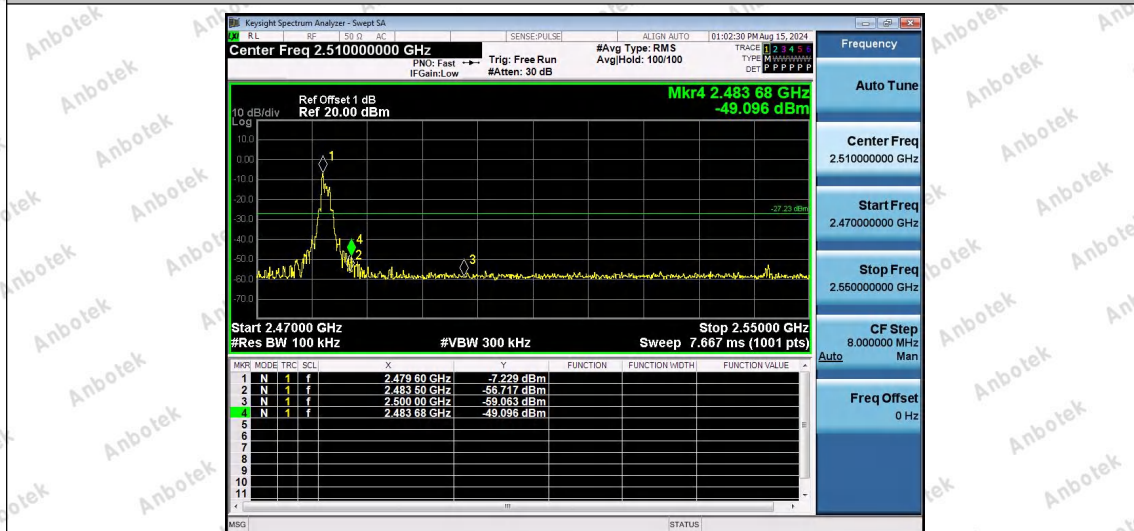
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	-5.65	-44.91	≤-25.65	PASS
2.4G	Ant1	High	2480	-7.23	-49.1	≤-27.23	PASS
2.4G	Ant1	Low	Hop_2403	-4.00	-44.04	≤-24	PASS
2.4G	Ant1	High	Hop_2479	-6.46	-50.01	≤-26.46	PASS



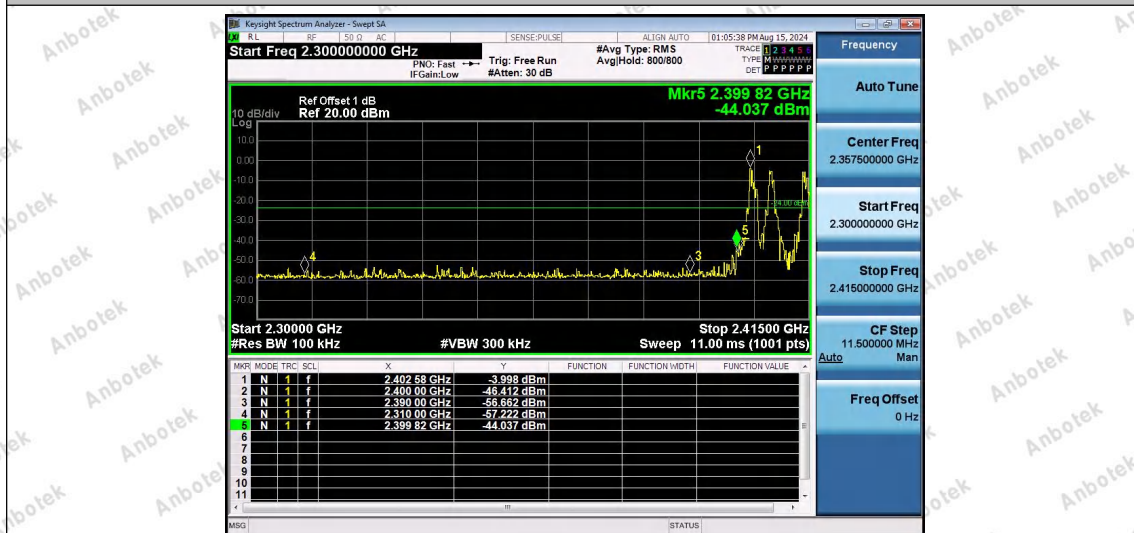
Test Graphs



2.4G-Ant1-2403-PASS



2.4G-Ant1-2480-PASS



2.4G-Ant1-Hop_2403-PASS

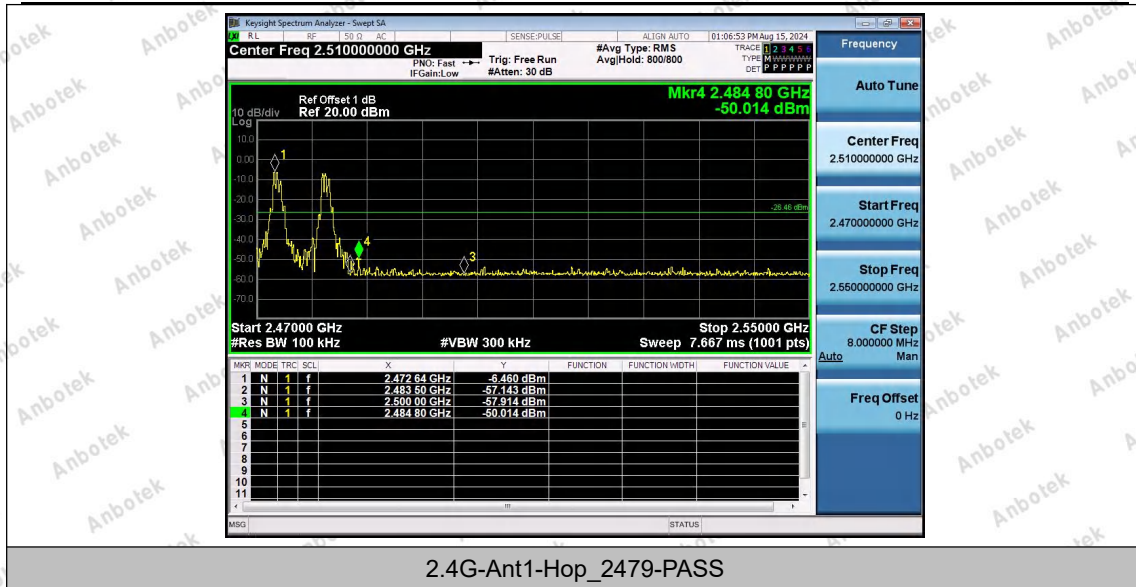
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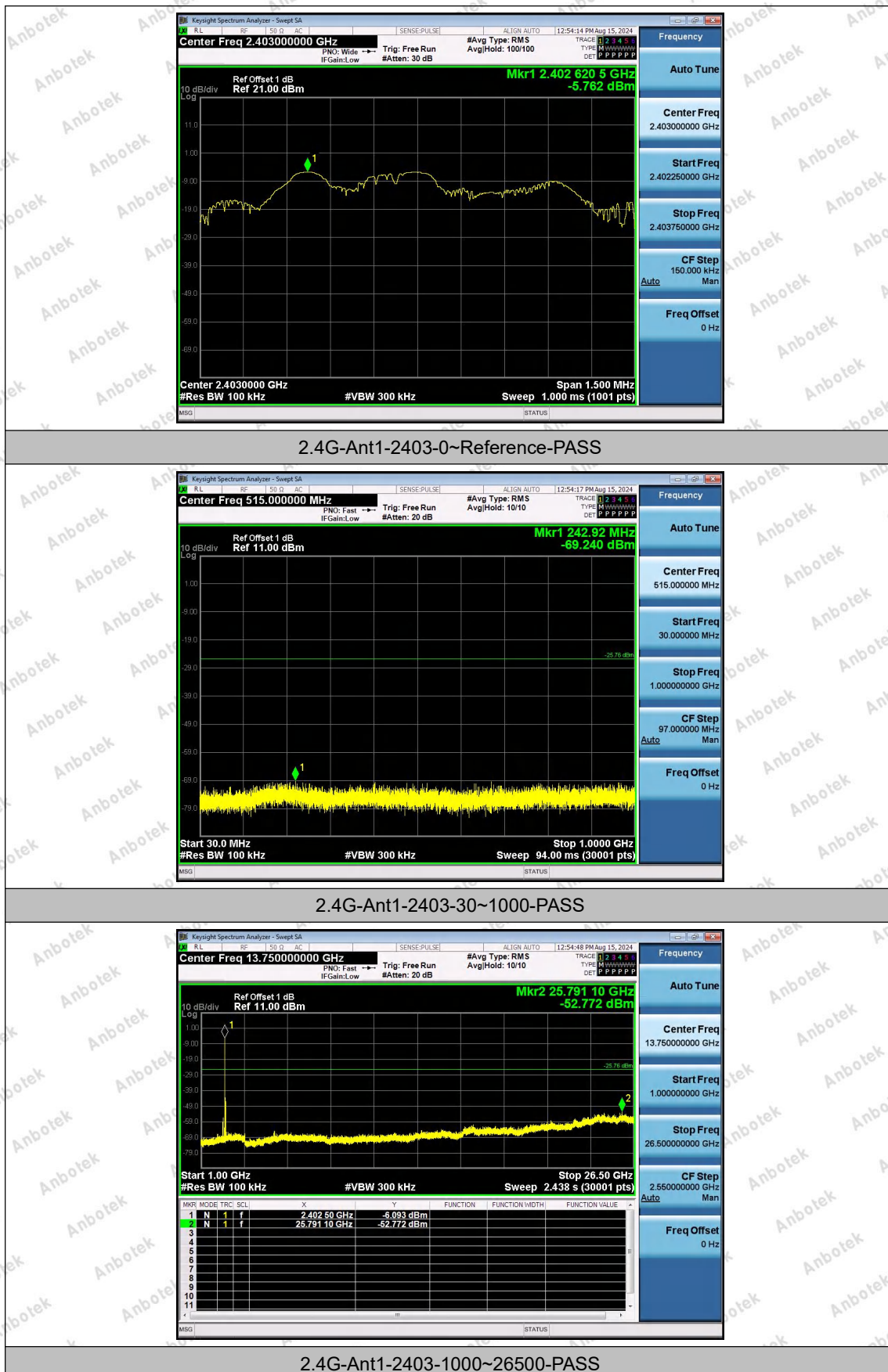
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	0~Reference	-5.76	-5.76	---	PASS
2.4G	Ant1	2403	30~1000	-5.76	-69.24	≤-25.76	PASS
2.4G	Ant1	2403	1000~26500	-5.76	-52.77	≤-25.76	PASS
2.4G	Ant1	2441	0~Reference	-7.23	-7.23	---	PASS
2.4G	Ant1	2441	30~1000	-7.23	-69.11	≤-27.23	PASS
2.4G	Ant1	2441	1000~26500	-7.23	-45.53	≤-27.23	PASS
2.4G	Ant1	2480	0~Reference	-7.25	-7.25	---	PASS
2.4G	Ant1	2480	30~1000	-7.25	-68.87	≤-27.25	PASS
2.4G	Ant1	2480	1000~26500	-7.25	-48.13	≤-27.25	PASS



Test Graphs



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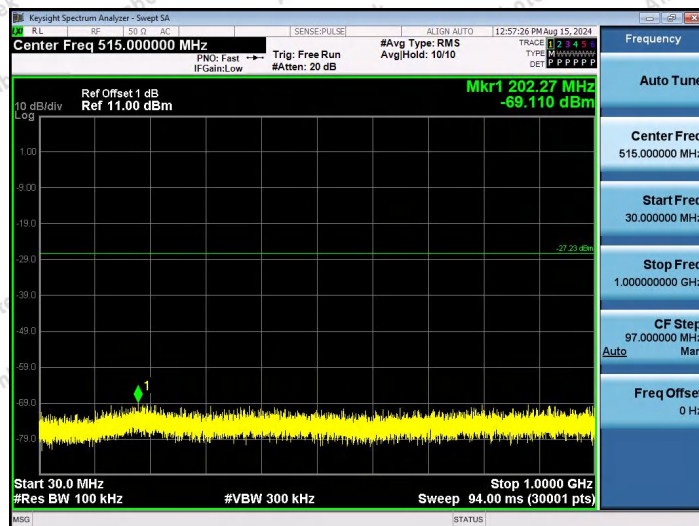


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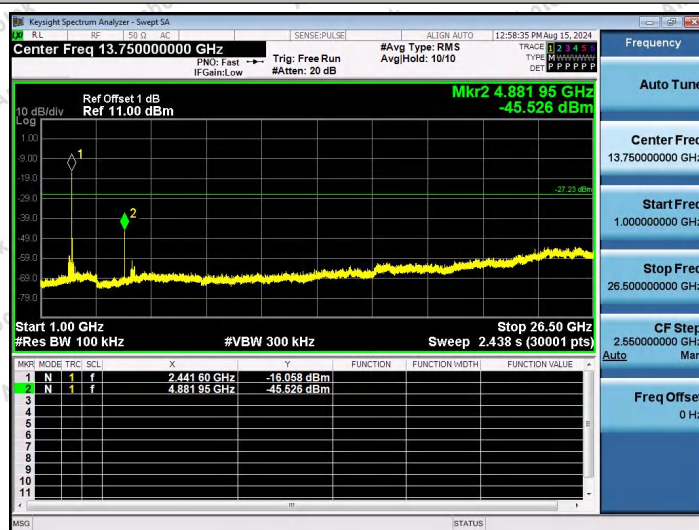




2.4G-Ant1-2441-0~Reference-PASS



2.4G-Ant1-2441-30~1000-PASS

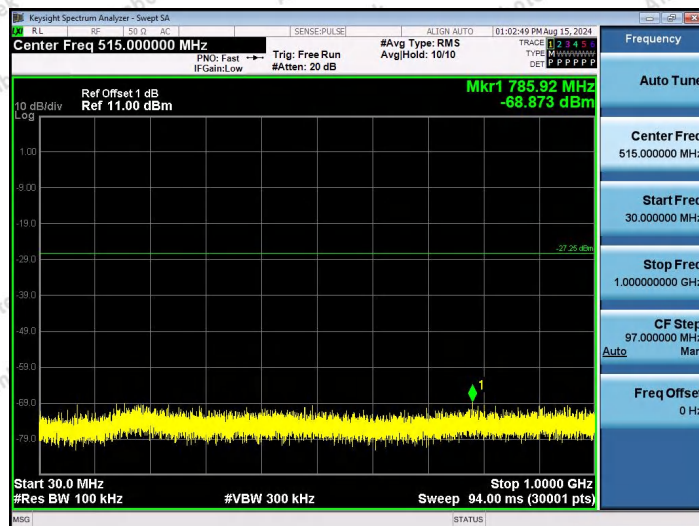


2.4G-Ant1-2441-1000~26500-PASS

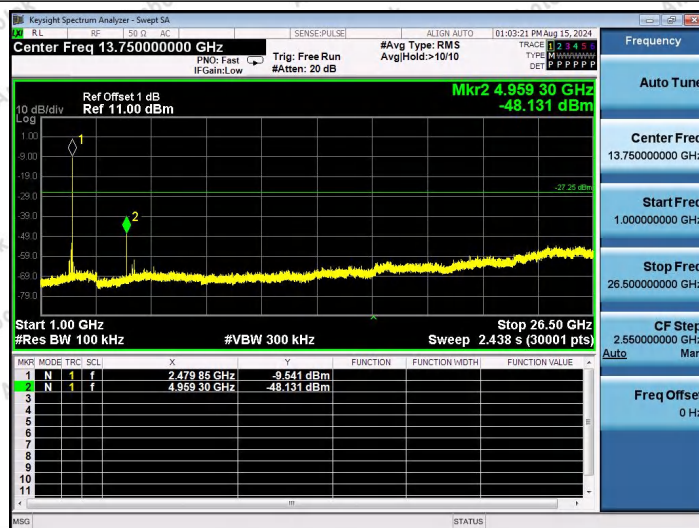




2.4G-Ant1-2480-0~Reference-PASS



2.4G-Ant1-2480-30~1000-PASS



2.4G-Ant1-2480-1000~26500-PASS



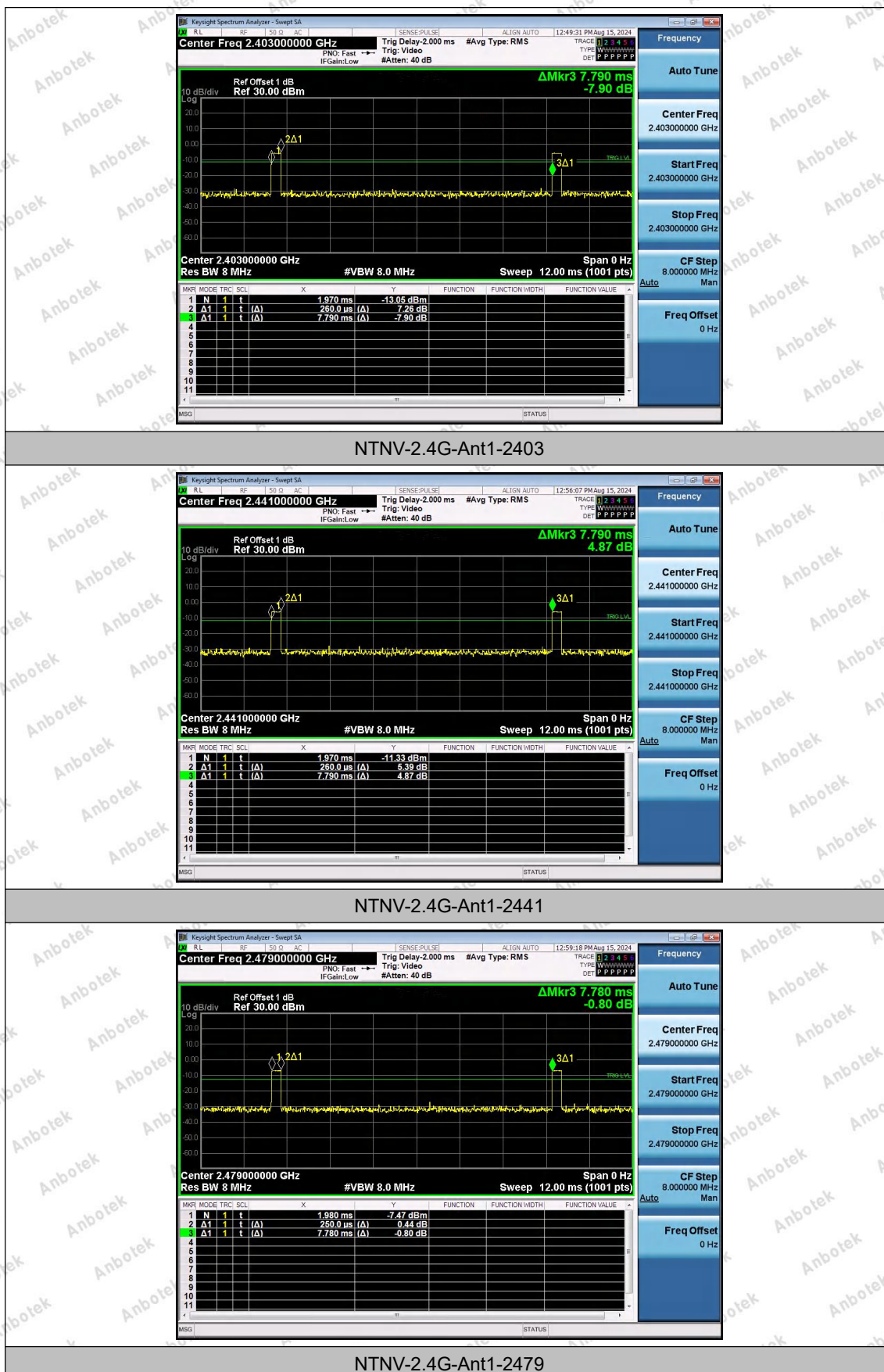
Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2403	0.26	7.79	3.34	14.76
2.4G	Ant1	2441	0.26	7.79	3.34	14.76
2.4G	Ant1	2479	0.25	7.78	3.21	14.93
2.4G	Ant1	2480	0.26	7.79	3.34	14.76



Test Graphs



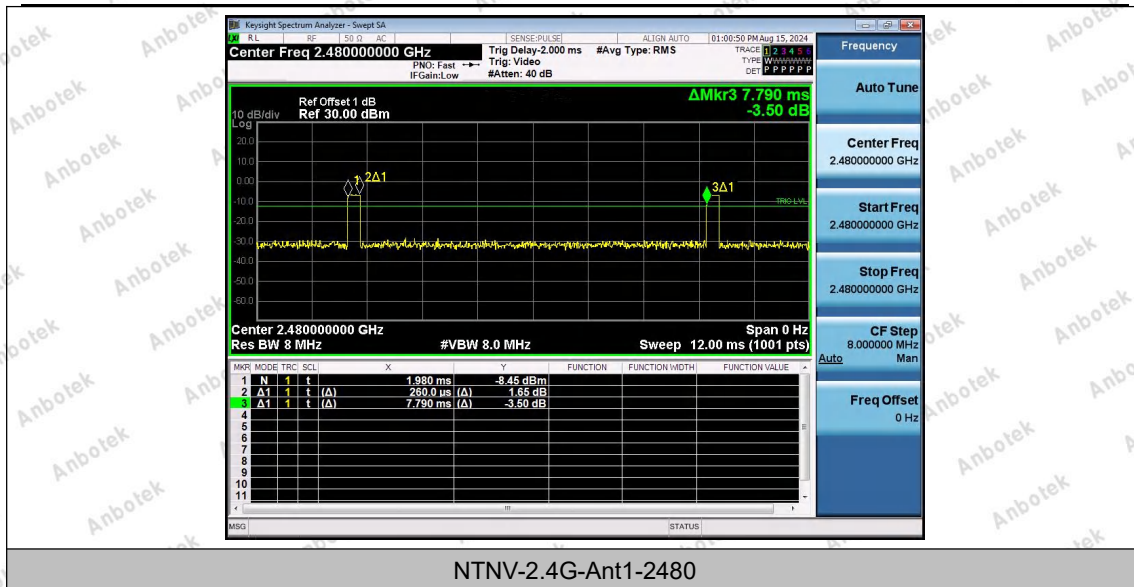
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