

Appendix Test Data

Report No.:	18220WC40085302	Test Sample No.:	1-2-2
Start Test Date:	2024.05.09	Finish Test Date:	2024.05.10
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25.5℃	Relative Humidity:	47%
Pressure:	101kPa		

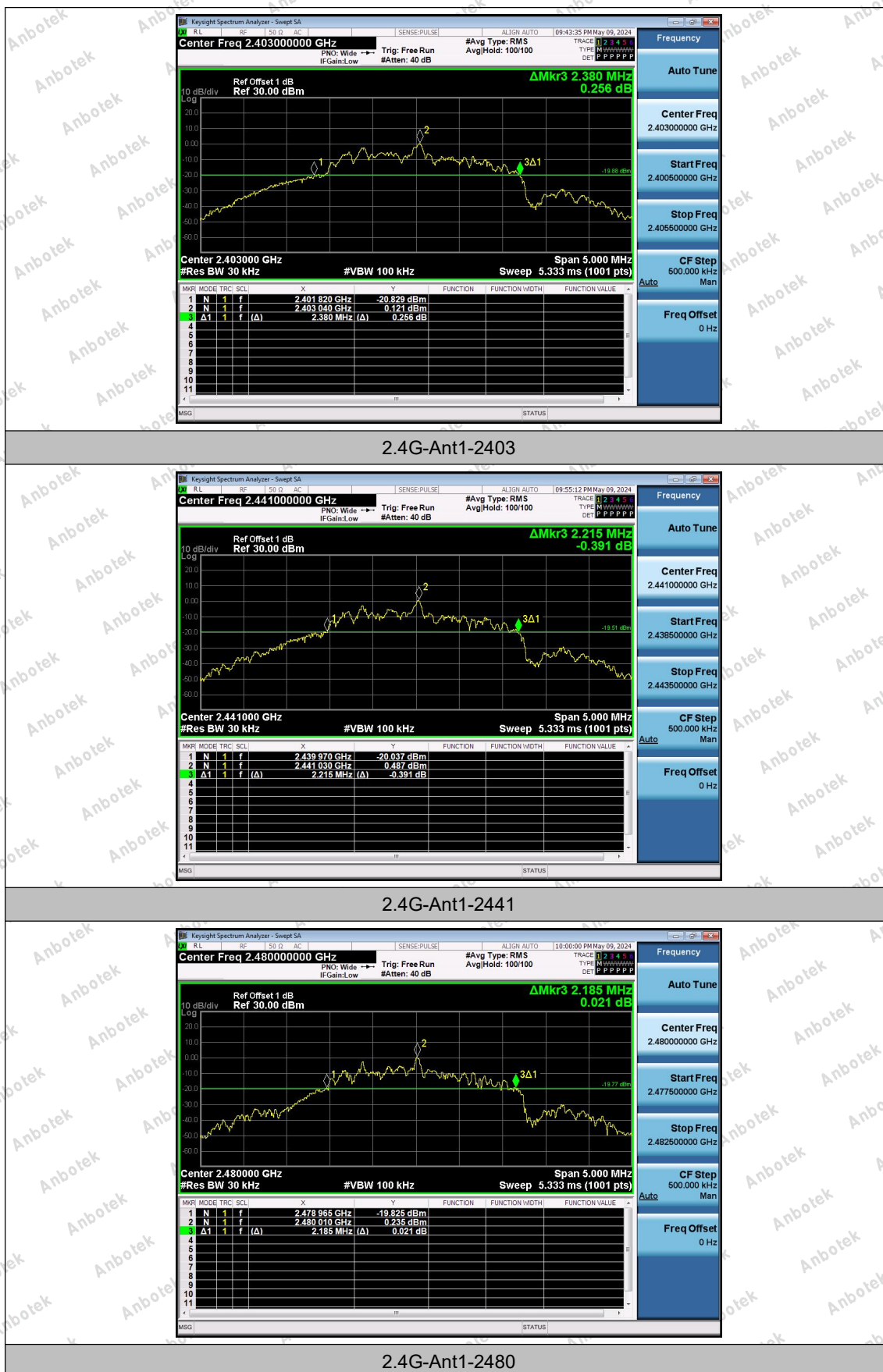
Appendix A: 20dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.380	2401.820	2404.200	---	---
2.4G	Ant1	2441	2.215	2439.970	2442.185	---	---
2.4G	Ant1	2480	2.185	2478.965	2481.150	---	---



Test Graphs



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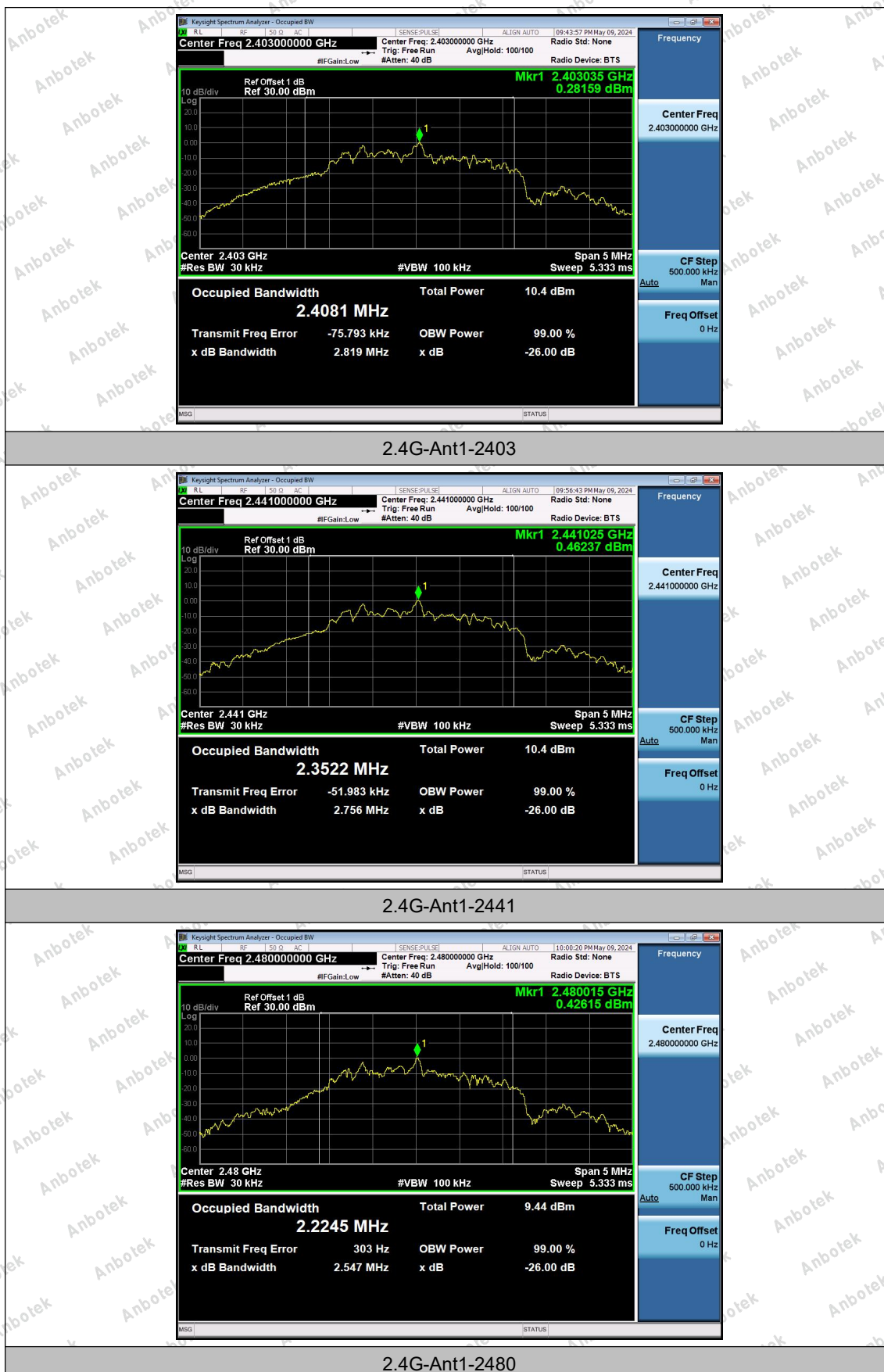
Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.4081	2401.7202	2404.1283	---	---
2.4G	Ant1	2441	2.3522	2439.7719	2442.1241	---	---
2.4G	Ant1	2480	2.2245	2478.8881	2481.1126	---	---



Test Graphs



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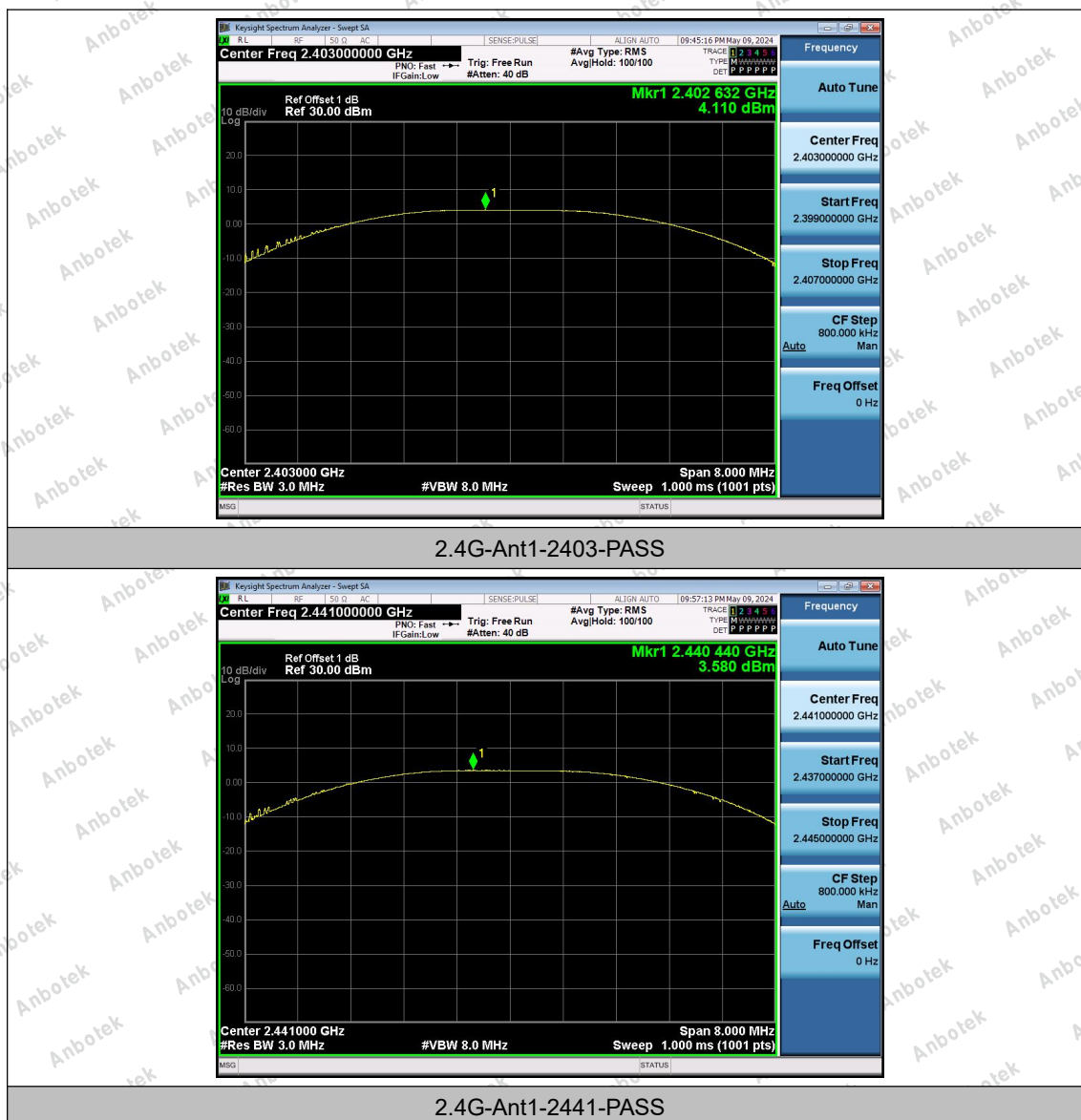


Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	4.11	≤20.97	PASS
2.4G	Ant1	2441	3.58	≤20.97	PASS
2.4G	Ant1	2480	2.91	≤20.97	PASS

Test Graphs





Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.00	≥1.587	PASS



Test Graphs



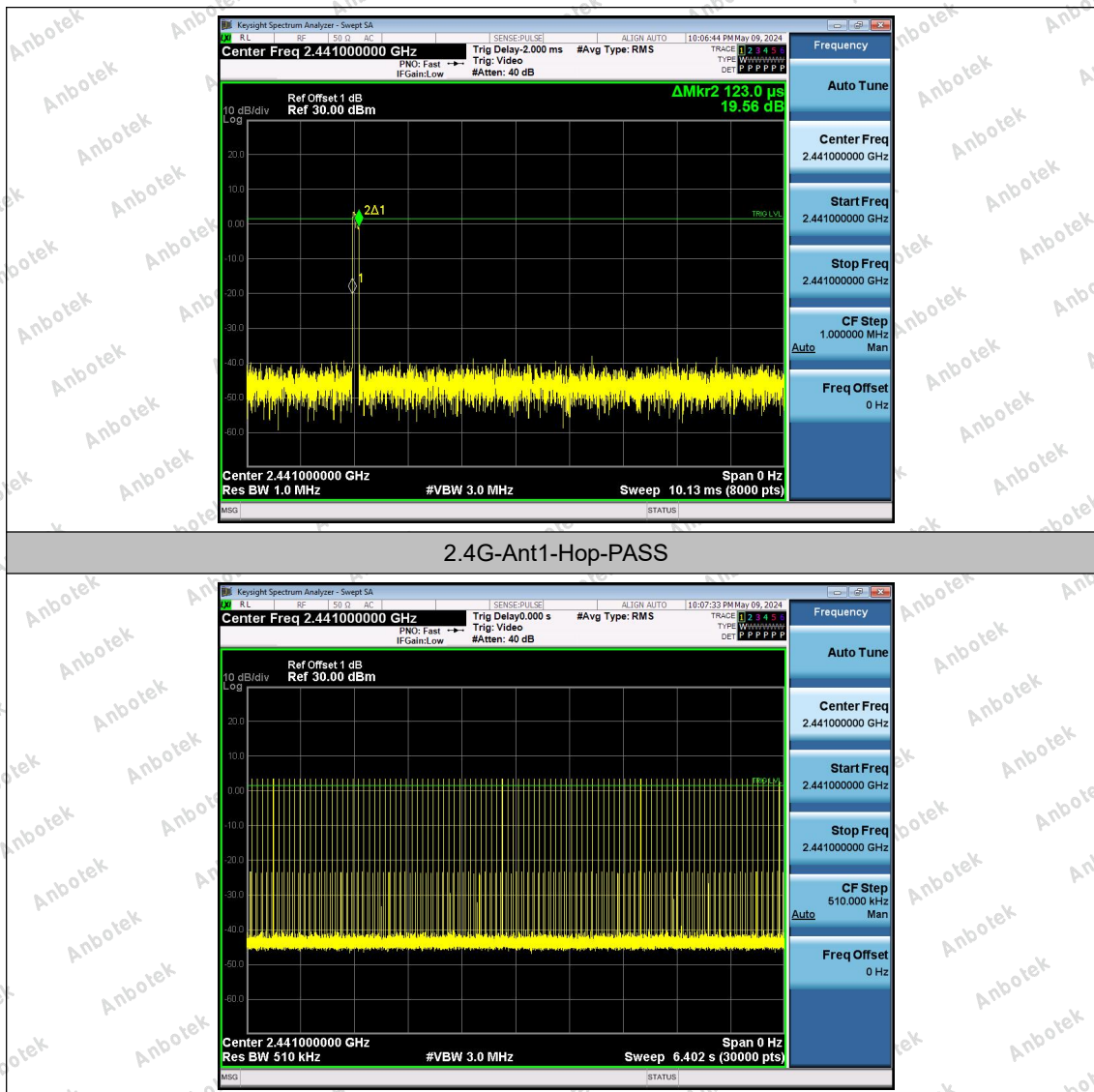
Appendix E: Dwell Time

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.123	101	0.012	≤0.4	PASS



Test Graphs



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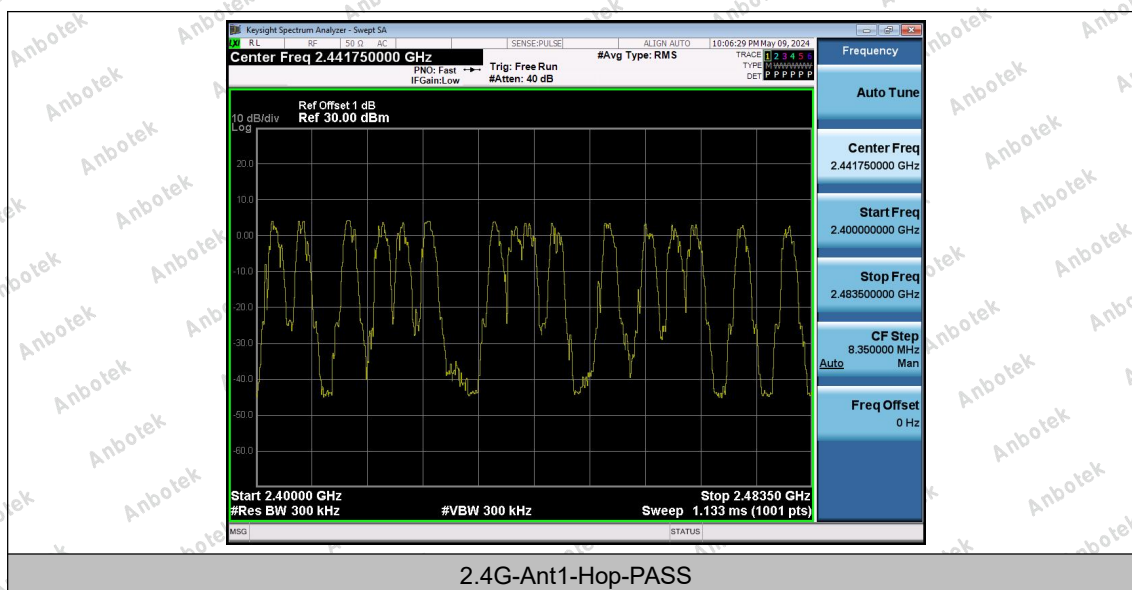
Appendix F: Number of Hopping Channel

Test Result

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



Test Graphs



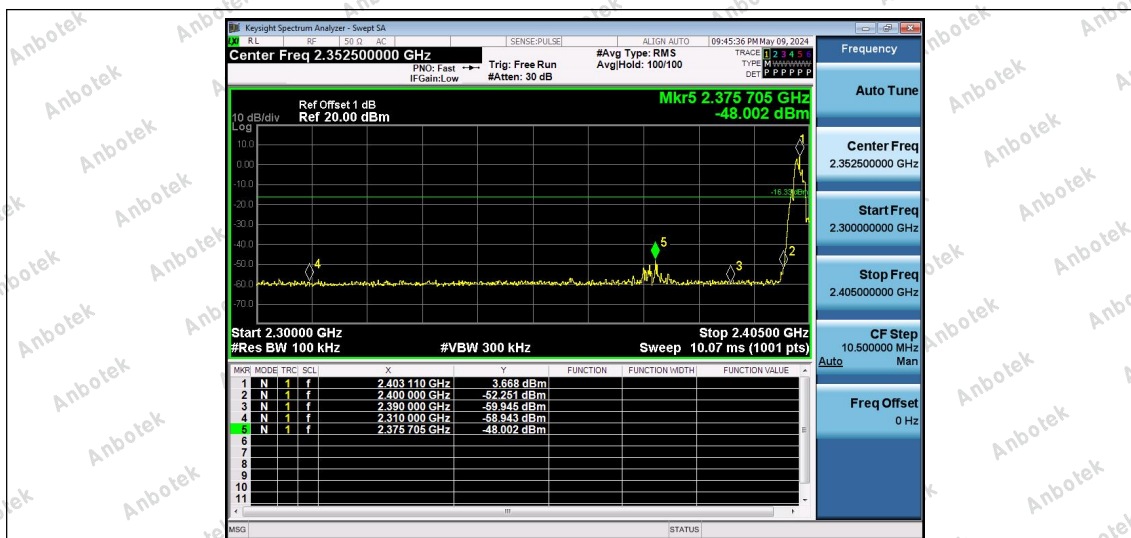
Appendix G: Conducted Band edge

Test Result

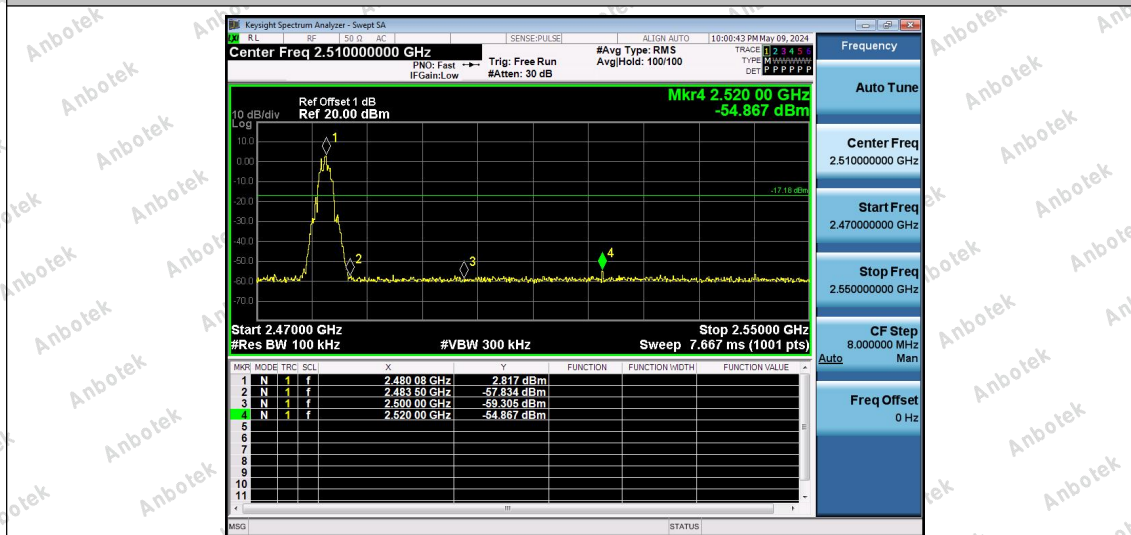
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	3.67	-48	≤-16.33	PASS
2.4G	Ant1	High	2480	2.82	-54.87	≤-17.18	PASS
2.4G	Ant1	Low	Hop_2403	3.68	-47.45	≤-16.32	PASS
2.4G	Ant1	High	Hop_2480	3.16	-50.67	≤-16.84	PASS



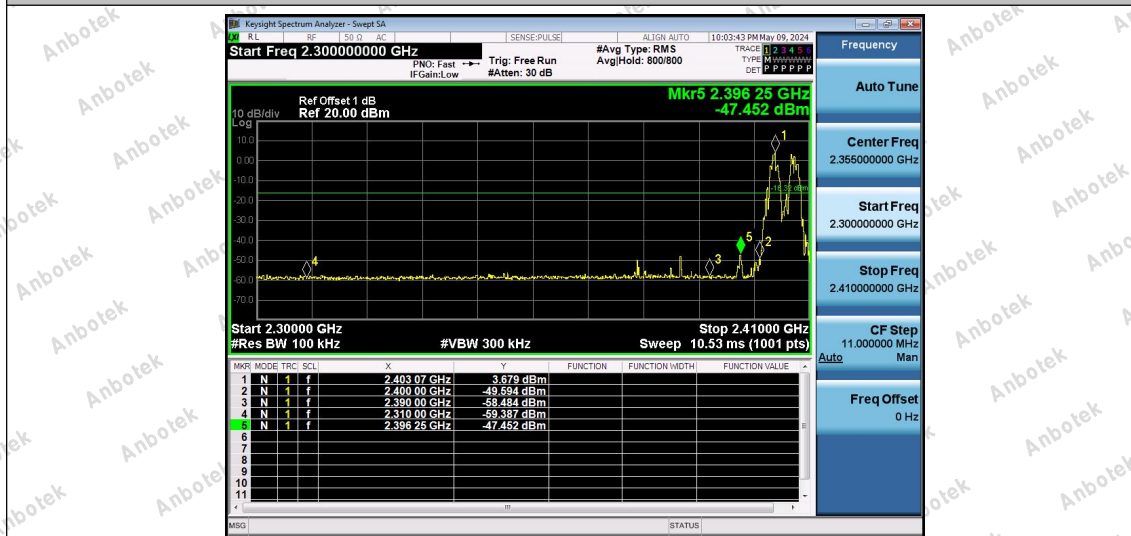
Test Graphs



2.4G-Ant1-2403-PASS



2.4G-Ant1-2480-PASS



2.4G-Ant1-Hop_2403-PASS

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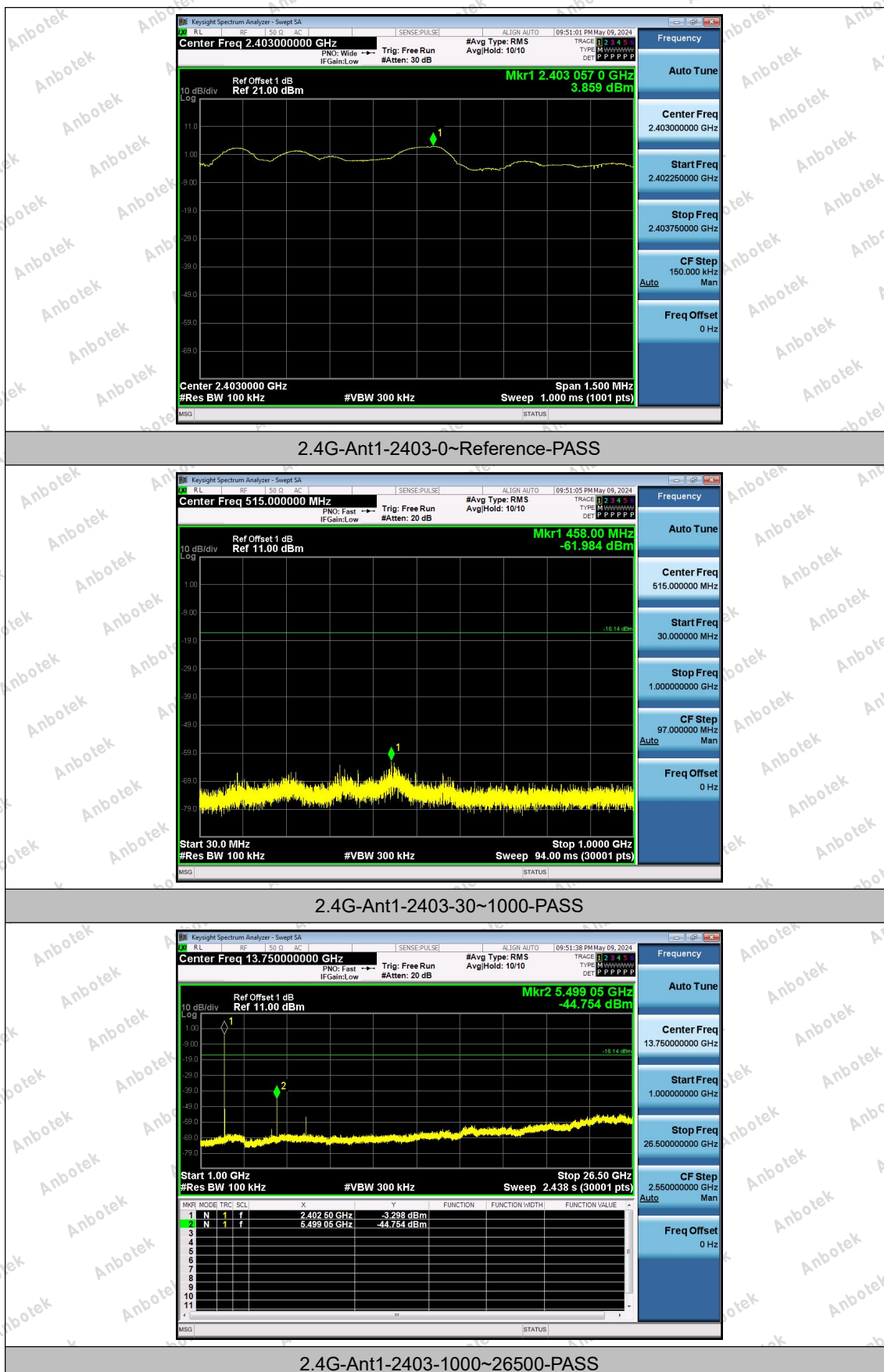
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	0~Reference	3.86	3.86	---	PASS
2.4G	Ant1	2403	30~1000	3.86	-61.98	≤-16.14	PASS
2.4G	Ant1	2403	1000~26500	3.86	-44.75	≤-16.14	PASS
2.4G	Ant1	2441	0~Reference	3.40	3.40	---	PASS
2.4G	Ant1	2441	30~1000	3.40	-60.95	≤-16.6	PASS
2.4G	Ant1	2441	1000~26500	3.40	-50.53	≤-16.6	PASS
2.4G	Ant1	2480	0~Reference	2.77	2.77	---	PASS
2.4G	Ant1	2480	30~1000	2.77	-61.25	≤-17.23	PASS
2.4G	Ant1	2480	1000~26500	2.77	-51.41	≤-17.23	PASS



Test Graphs



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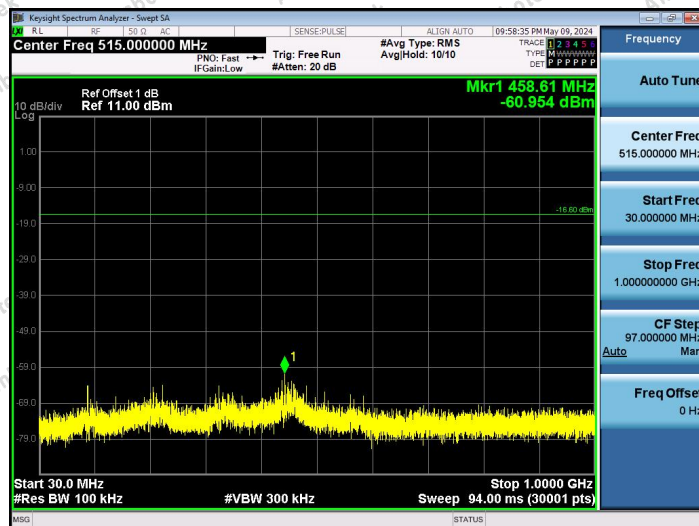


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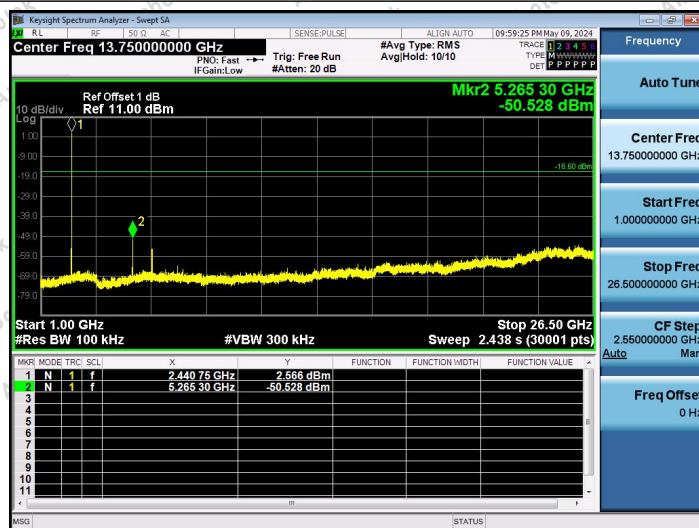




2.4G-Ant1-2441-0~Reference-PASS



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

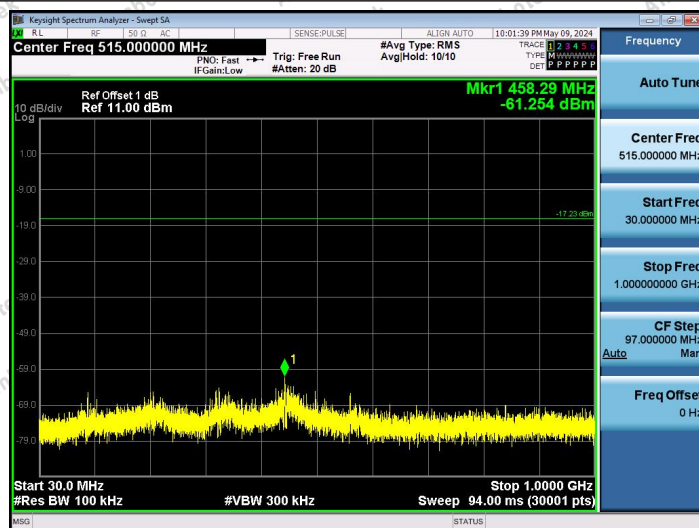


2.4G-Ant1-2441-1000~26500-PASS

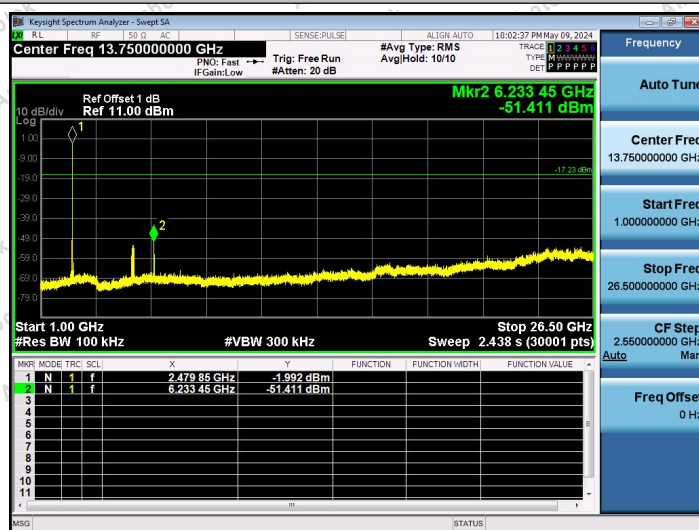




2.4G-Ant1-2480-0~Reference-PASS



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



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



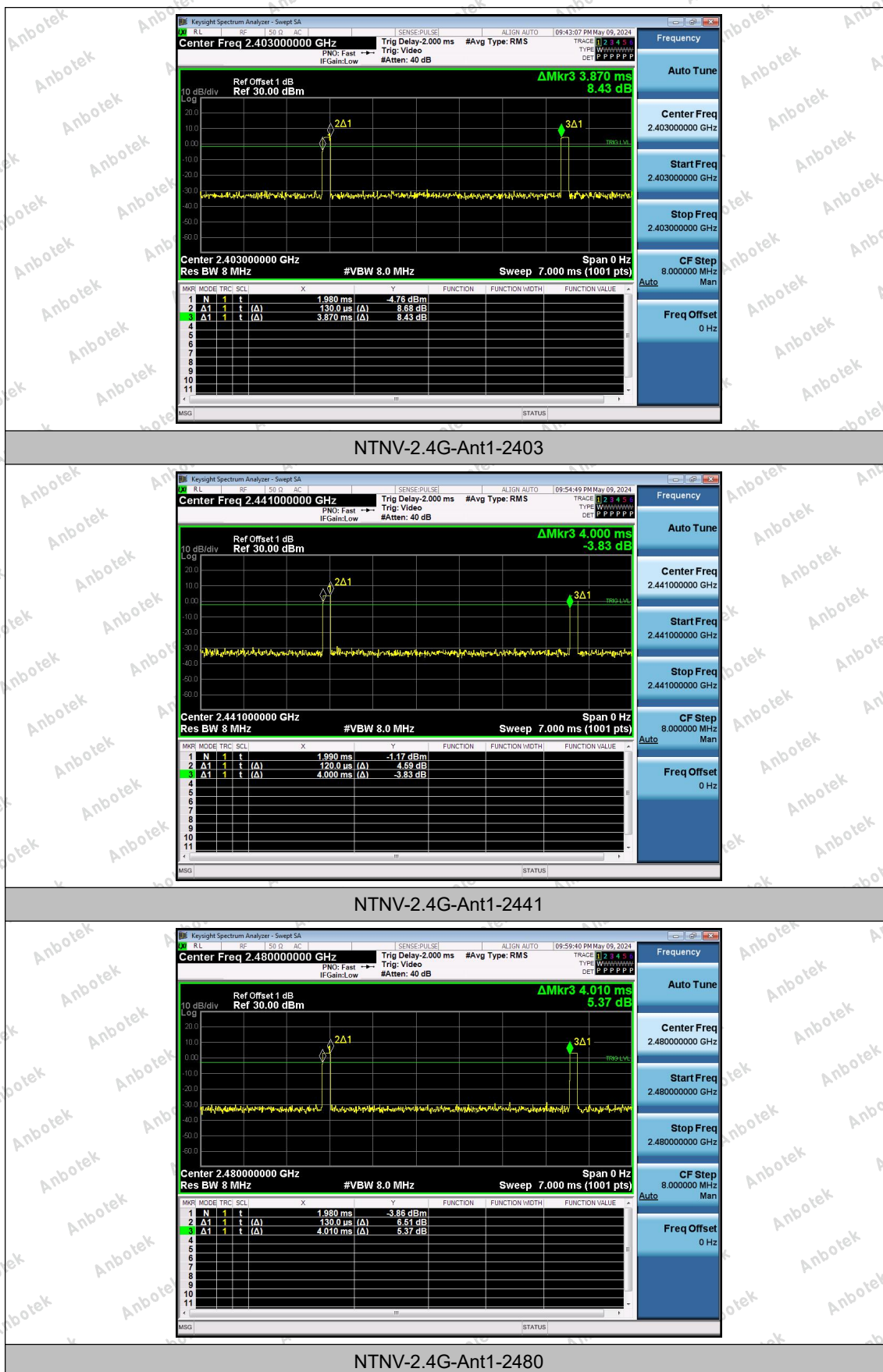
Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2403	0.13	3.87	3.36	14.74
2.4G	Ant1	2441	0.12	4.00	3.00	15.23
2.4G	Ant1	2480	0.13	4.01	3.24	14.89



Test Graphs



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