

Appendix Test Data

Report No.:	18220WC40085702	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	2.345	2401.855	2404.200	---	---
2.4G	Ant1	2441	2.350	2439.840	2442.190	---	---
2.4G	Ant1	2480	2.220	2478.945	2481.165	---	---



Test Graphs



2.4G-Ant1-2403



2.4G-Ant1-2441



2.4G-Ant1-2480

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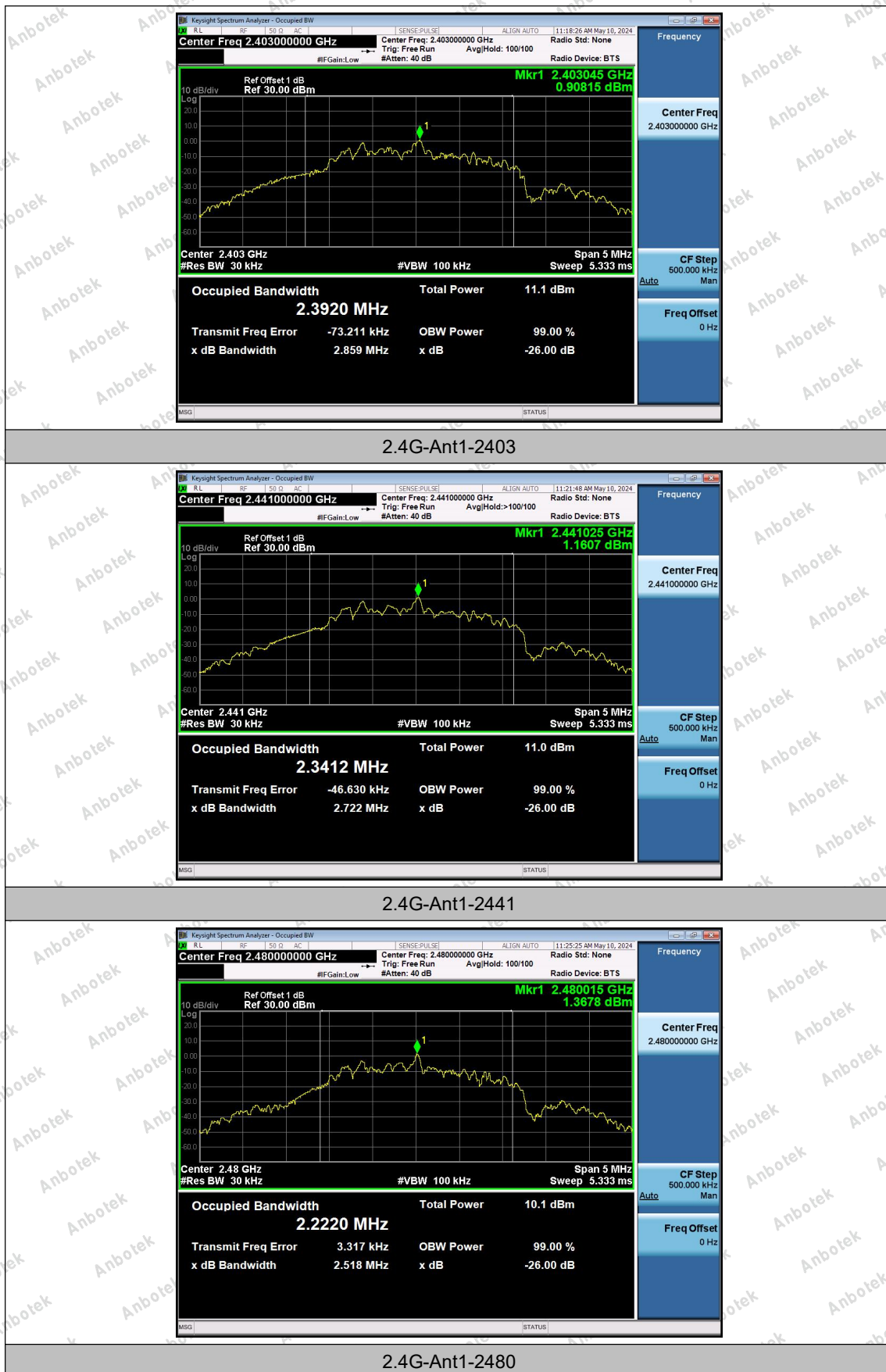
Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.3920	2401.7308	2404.1228	---	---
2.4G	Ant1	2441	2.3412	2439.7828	2442.1240	---	---
2.4G	Ant1	2480	2.2220	2478.8923	2481.1143	---	---



Test Graphs



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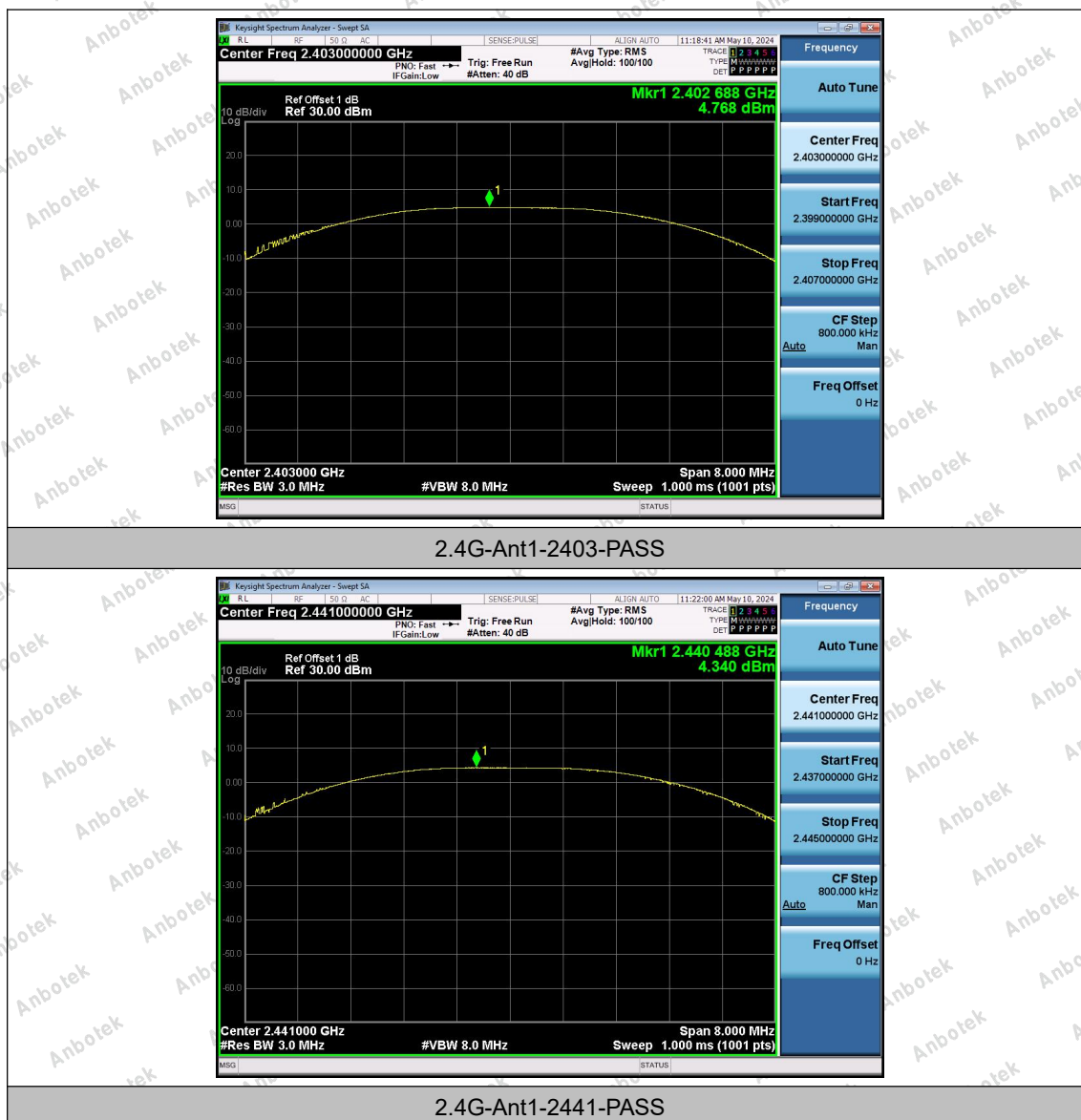


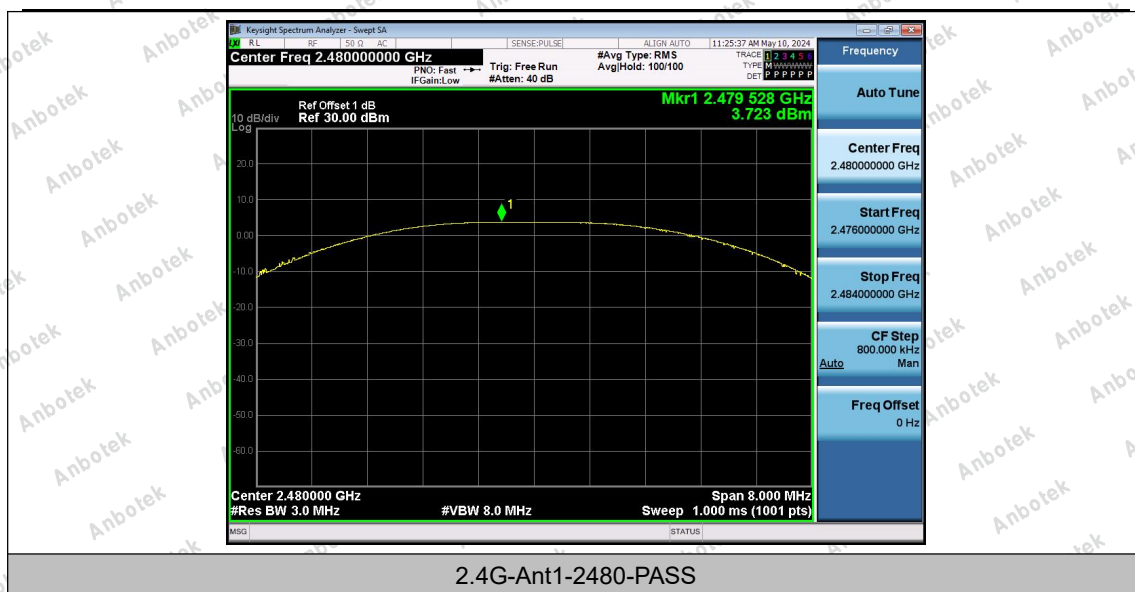
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	4.77	≤20.97	PASS
2.4G	Ant1	2441	4.34	≤20.97	PASS
2.4G	Ant1	2480	3.72	≤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	≥1.567	PASS



Test Graphs



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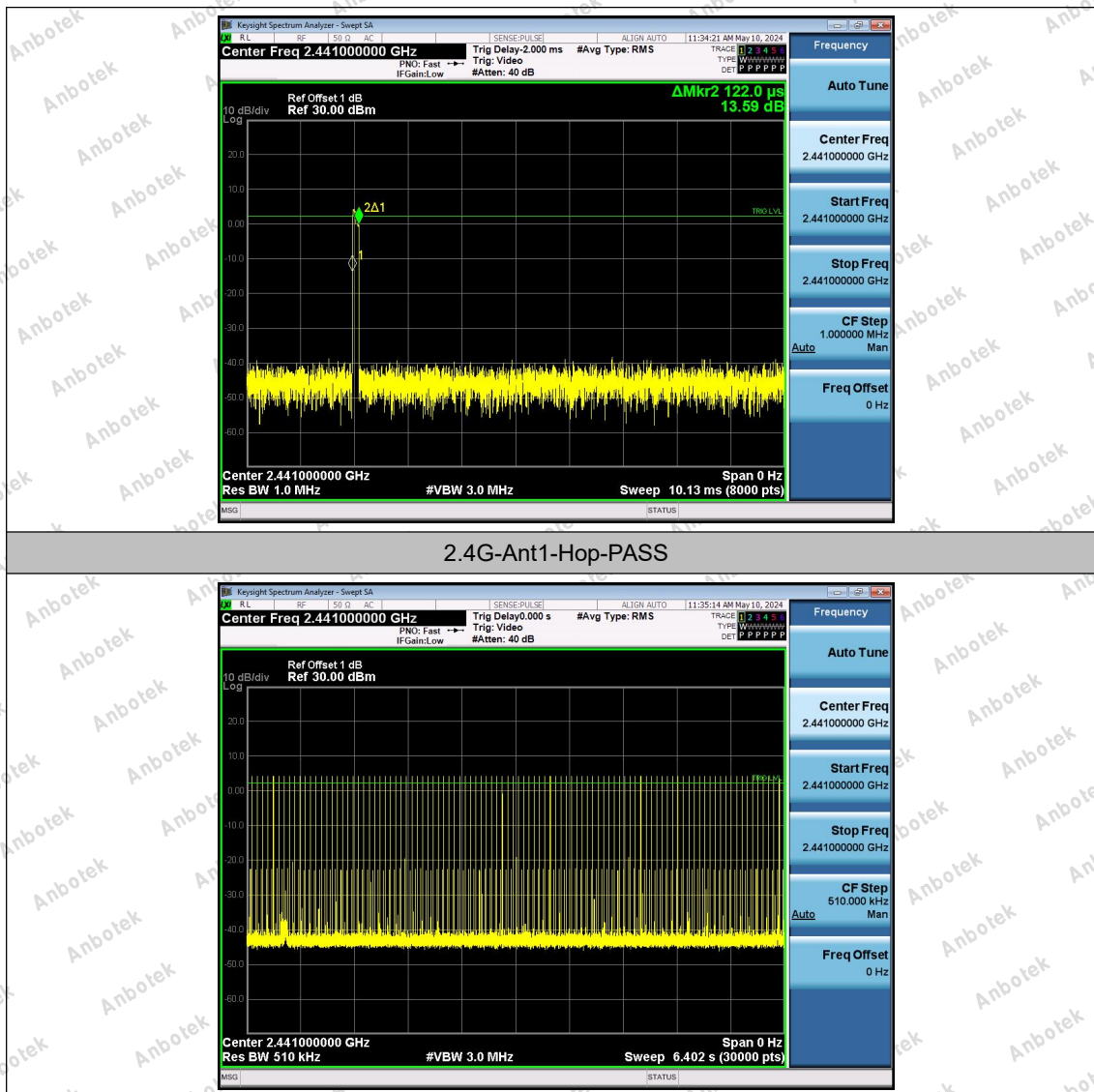
Appendix E: Dwell Time

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.122	101	0.012	≤0.4	PASS



Test Graphs



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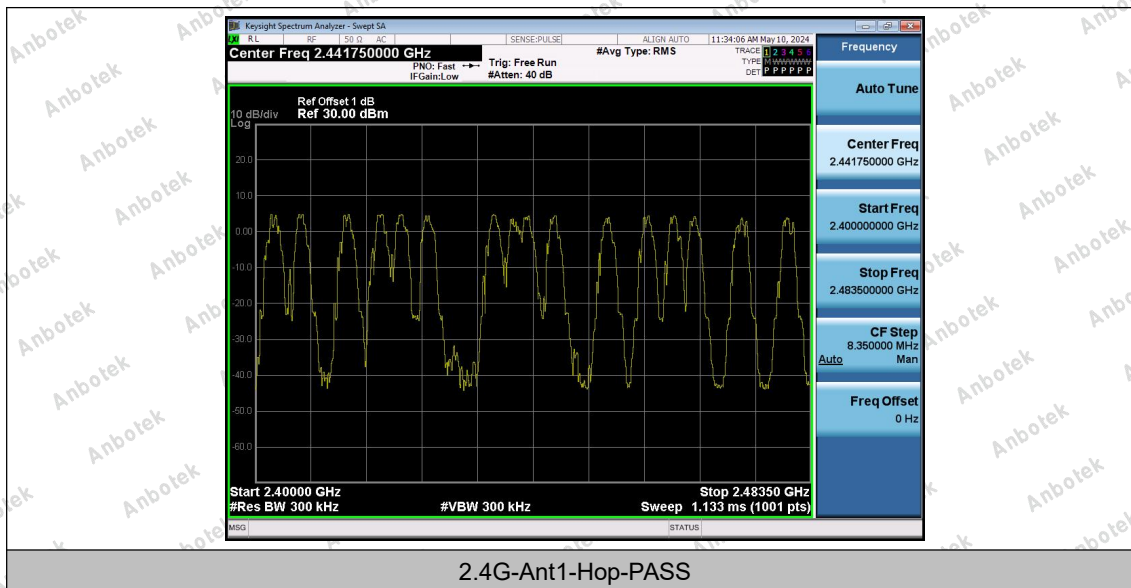
Appendix F: Number of Hopping Channel

Test Result

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



Test Graphs



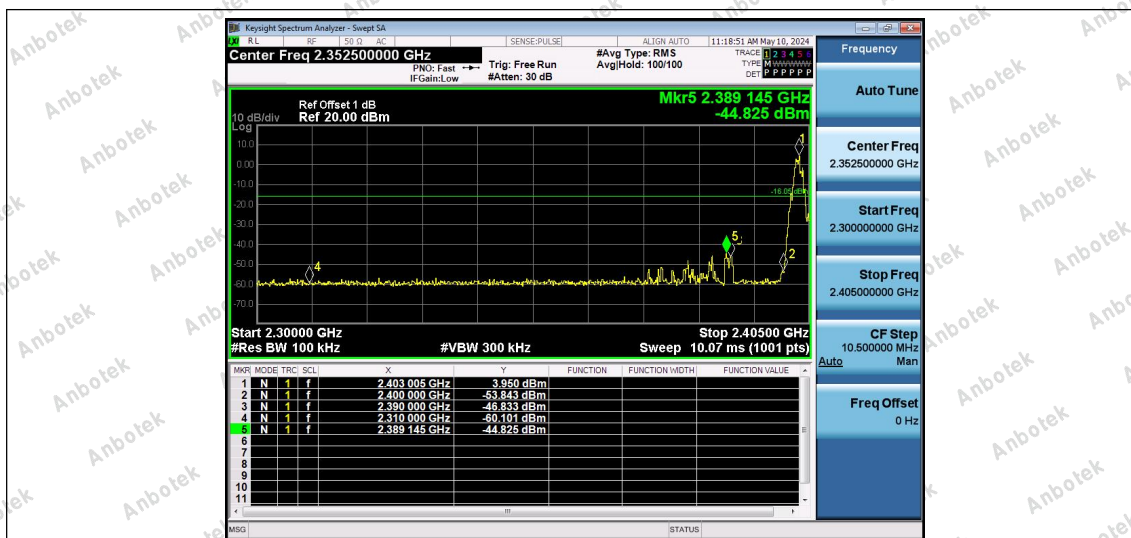
Appendix G: Conducted Band edge

Test Result

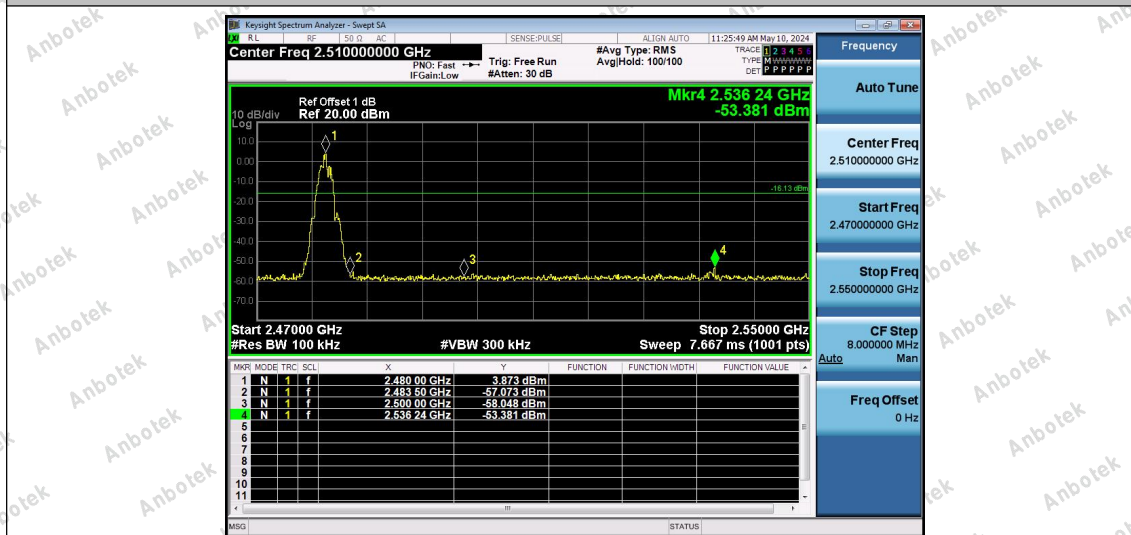
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	3.95	-44.83	≤-16.05	PASS
2.4G	Ant1	High	2480	3.87	-53.38	≤-16.13	PASS
2.4G	Ant1	Low	Hop_2403	4.04	-45.41	≤-15.96	PASS
2.4G	Ant1	High	Hop_2480	3.45	-46.33	≤-16.55	PASS



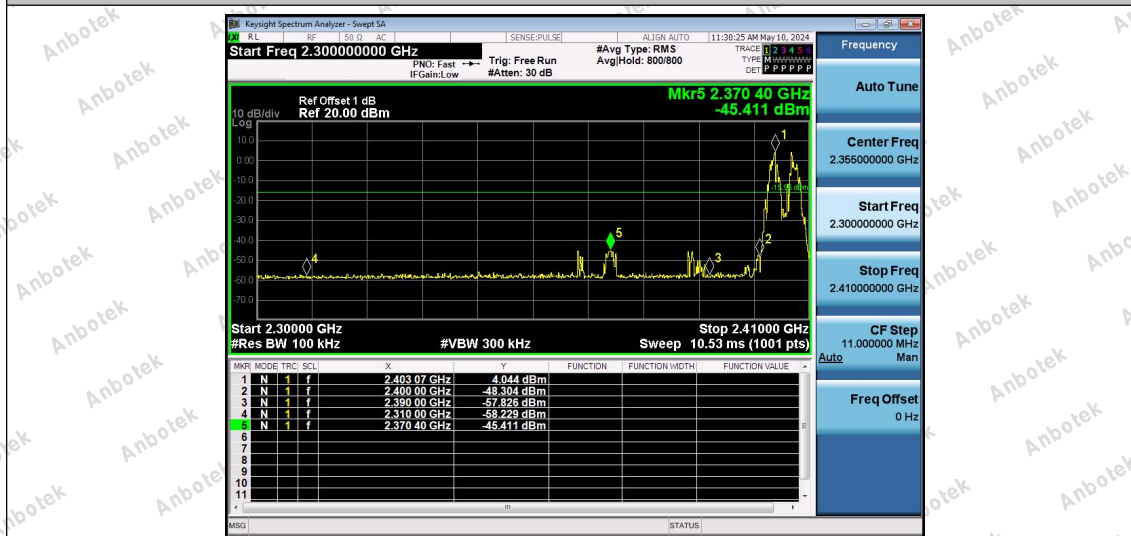
Test Graphs



2.4G-Ant1-2403-PASS



2.4G-Ant1-2480-PASS



2.4G-Ant1-Hop_2403-PASS

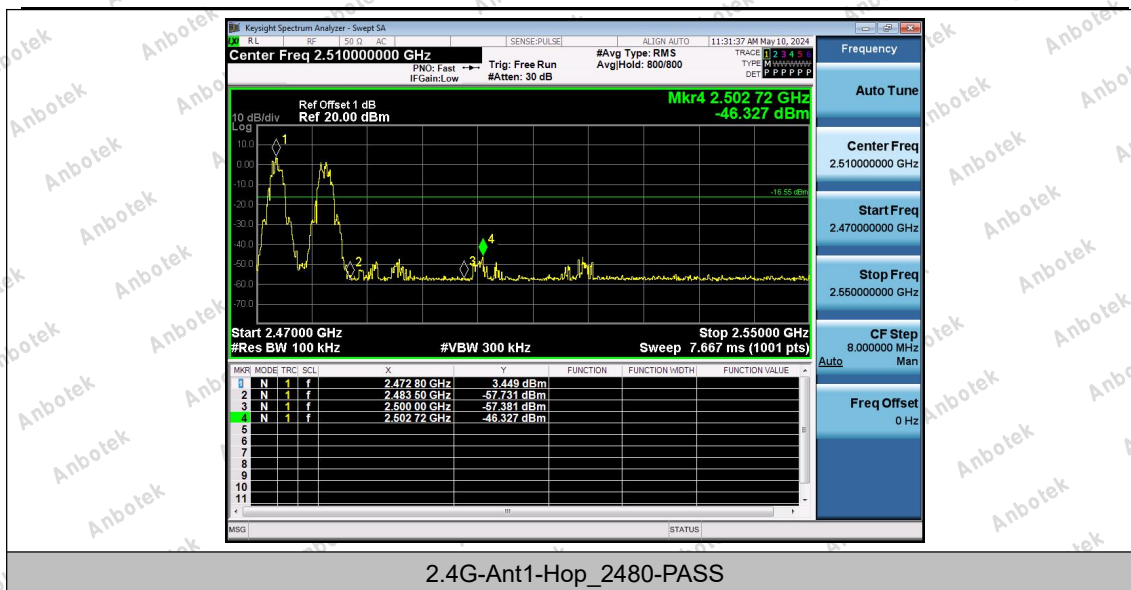
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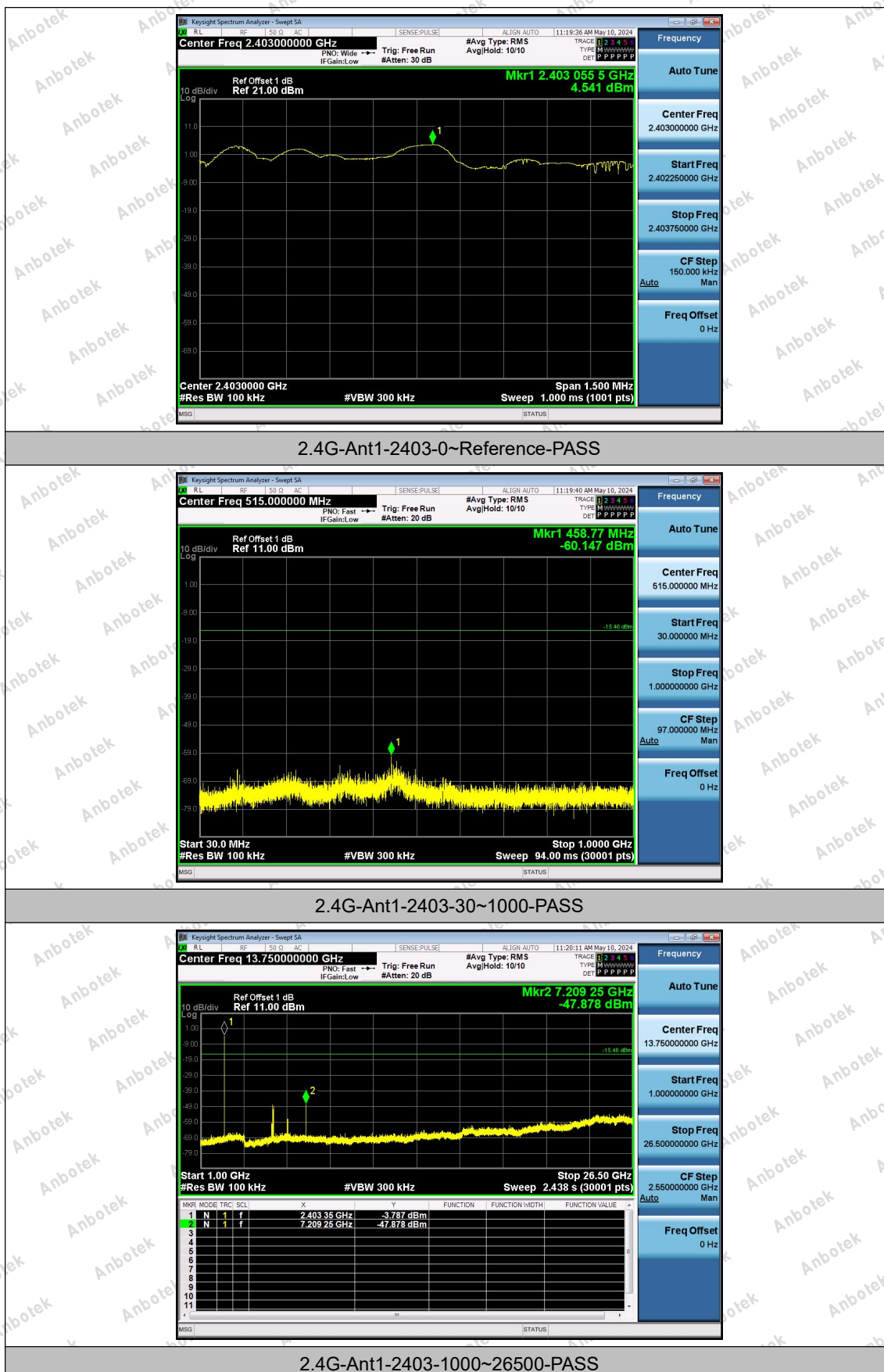
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	0~Reference	4.54	4.54	---	PASS
2.4G	Ant1	2403	30~1000	4.54	-60.15	≤-15.46	PASS
2.4G	Ant1	2403	1000~26500	4.54	-47.88	≤-15.46	PASS
2.4G	Ant1	2441	0~Reference	4.15	4.15	---	PASS
2.4G	Ant1	2441	30~1000	4.15	-60.56	≤-15.85	PASS
2.4G	Ant1	2441	1000~26500	4.15	-41.87	≤-15.85	PASS
2.4G	Ant1	2480	0~Reference	3.57	3.57	---	PASS
2.4G	Ant1	2480	30~1000	3.57	-60.31	≤-16.43	PASS
2.4G	Ant1	2480	1000~26500	3.57	-52.8	≤-16.43	PASS



Test Graphs



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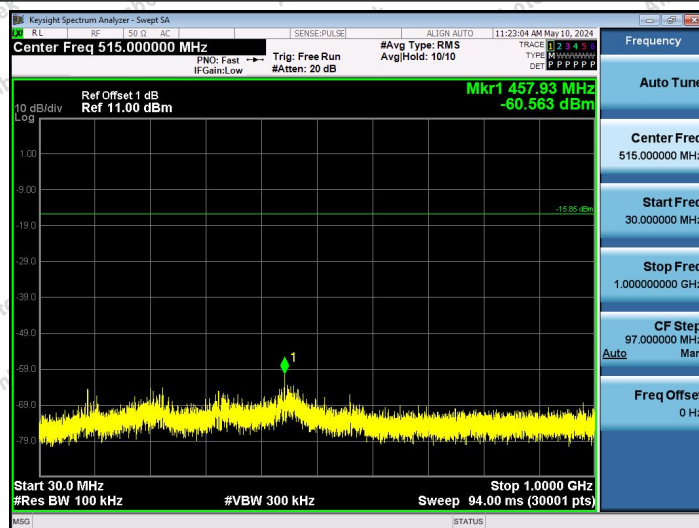


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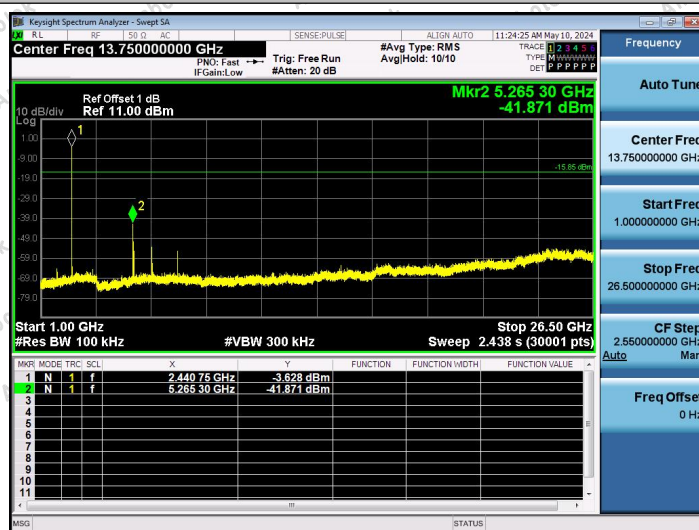




2.4G-Ant1-2441-0~Reference-PASS



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

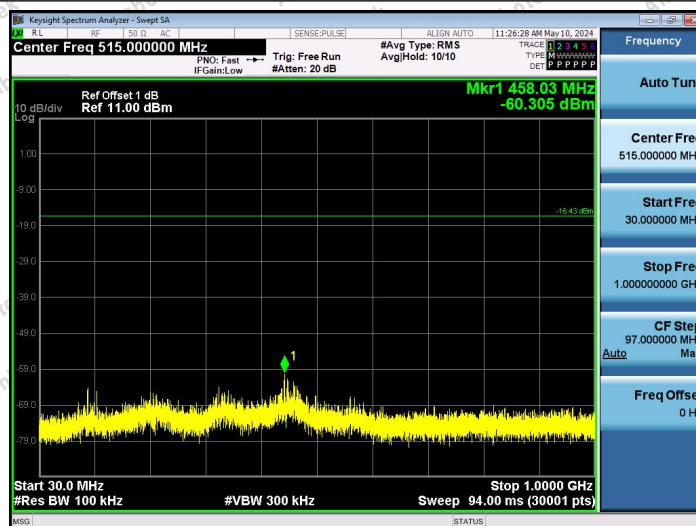


2.4G-Ant1-2441-1000~26500-PASS

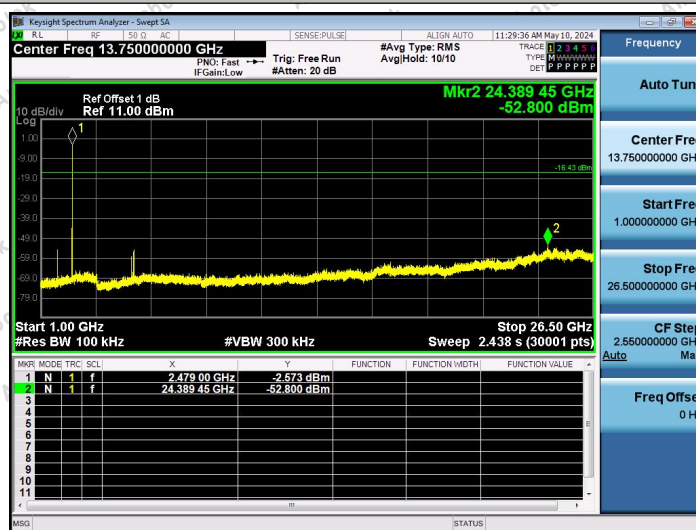




2.4G-Ant1-2480-0~Reference-PASS



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



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



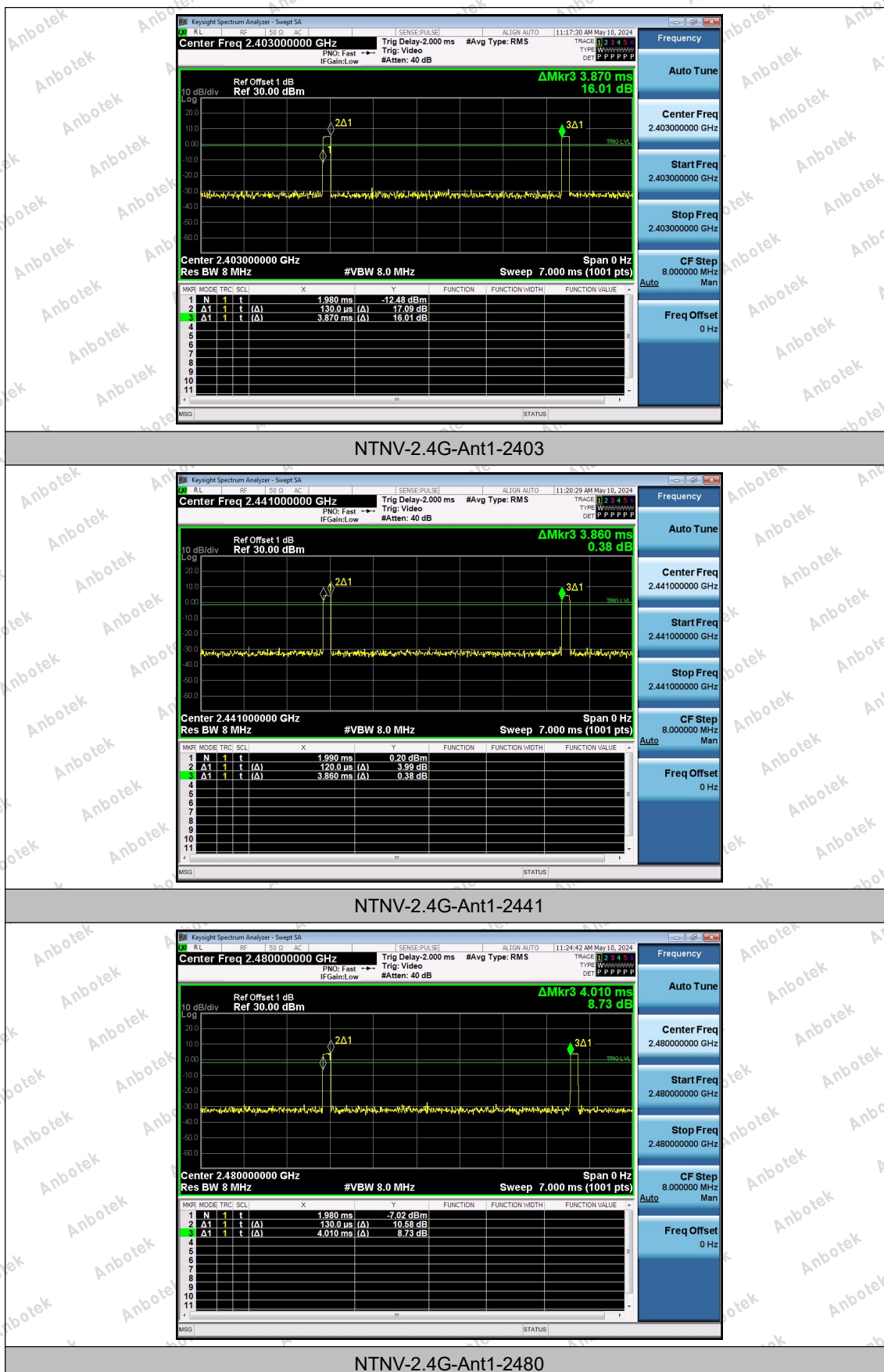
Appendix I: Duty Cycle

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	3.86	3.11	15.07
2.4G	Ant1	2480	0.13	4.01	3.24	14.89



Test Graphs



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