

Appendix Test Data

Report No.:	182512C400309101	Test Sample No.:	1-2-2
Start Test Date:	2024.7.23	Finish Test Date:	2024.7.23
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	2402	1.137	2401.541	2402.678	---	---
2.4G	Ant1	2440	1.110	2439.559	2440.669	---	---
2.4G	Ant1	2480	1.077	2479.601	2480.678	---	---



Test Graphs



2.4G-Ant1-2402



2.4G-Ant1-2440



2.4G-Ant1-2480

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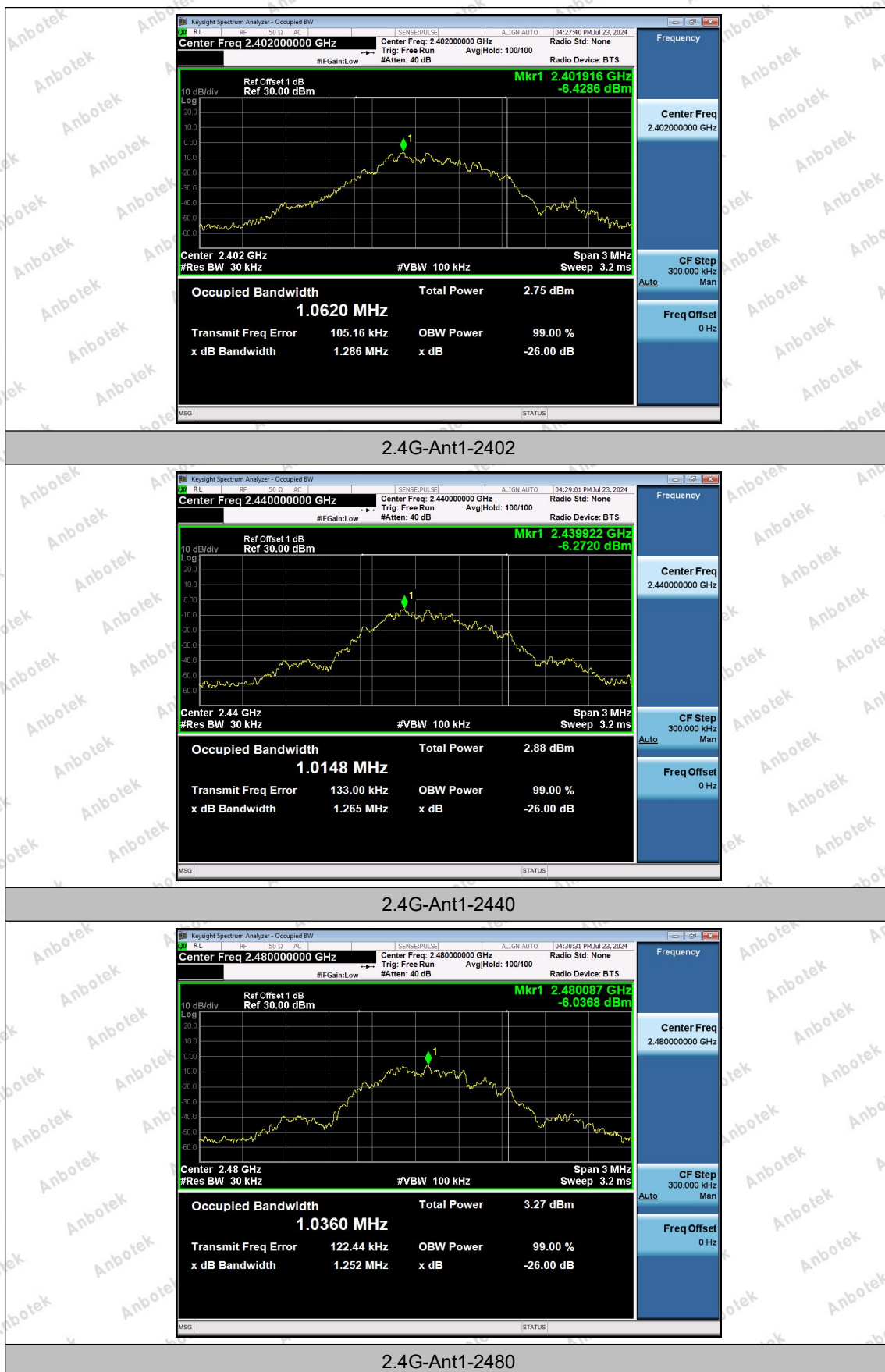
Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402	1.0620	2401.5742	2402.6362	---	---
2.4G	Ant1	2440	1.0148	2439.6256	2440.6404	---	---
2.4G	Ant1	2480	1.0360	2479.6044	2480.6404	---	---



Test Graphs



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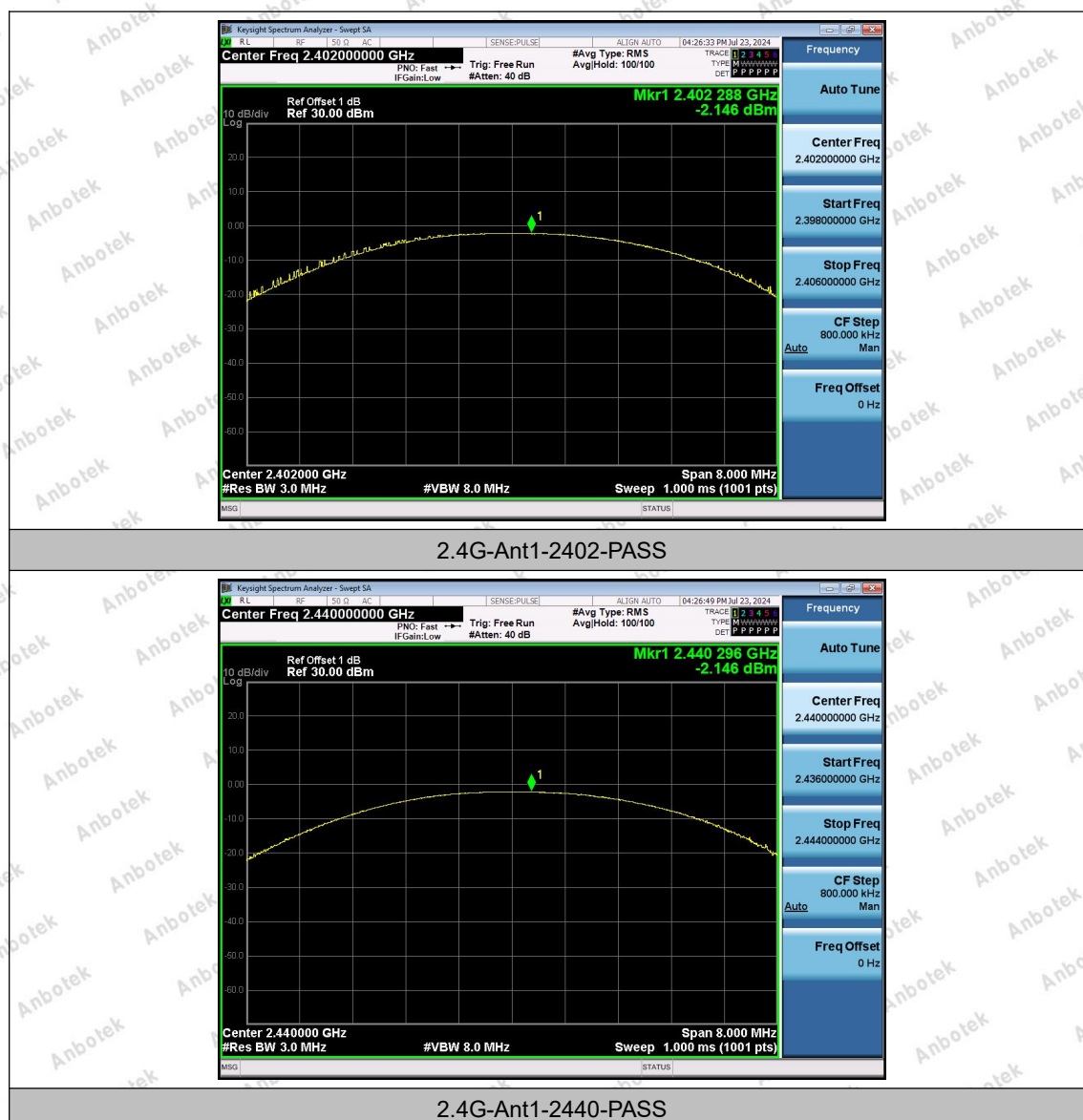


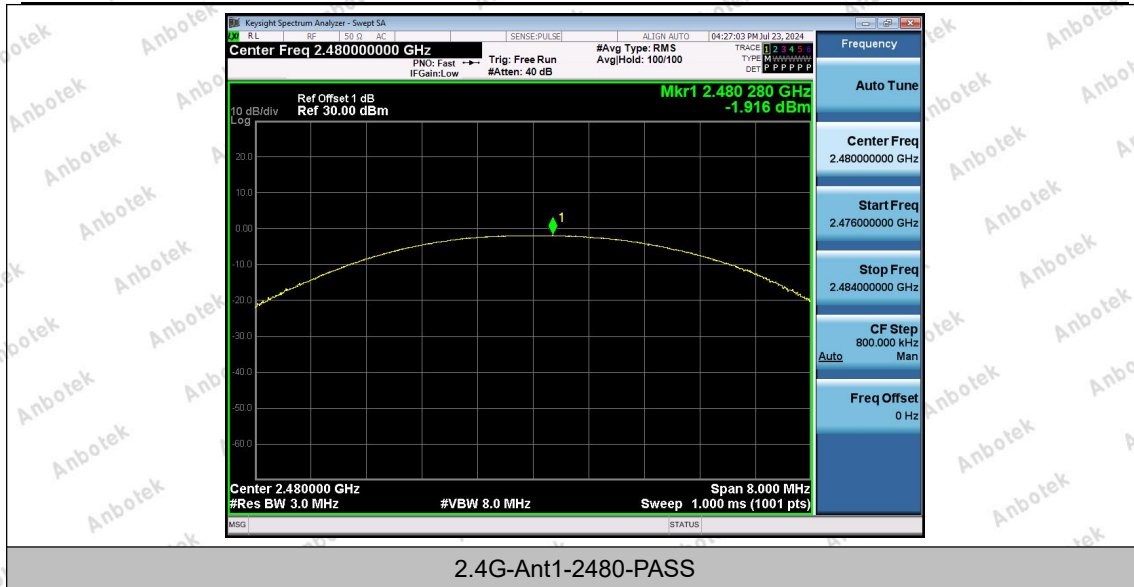
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2402	-2.15	≤20.97	PASS
2.4G	Ant1	2440	-2.15	≤20.97	PASS
2.4G	Ant1	2480	-1.92	≤20.97	PASS

Test Graphs





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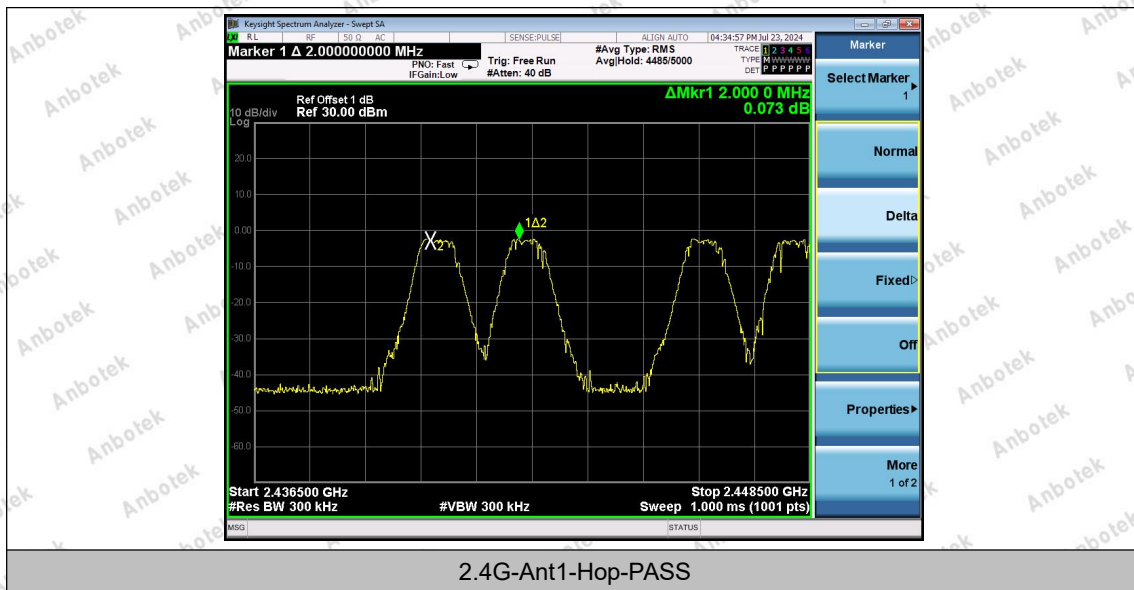
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.000	≥1.137	PASS



Test Graphs



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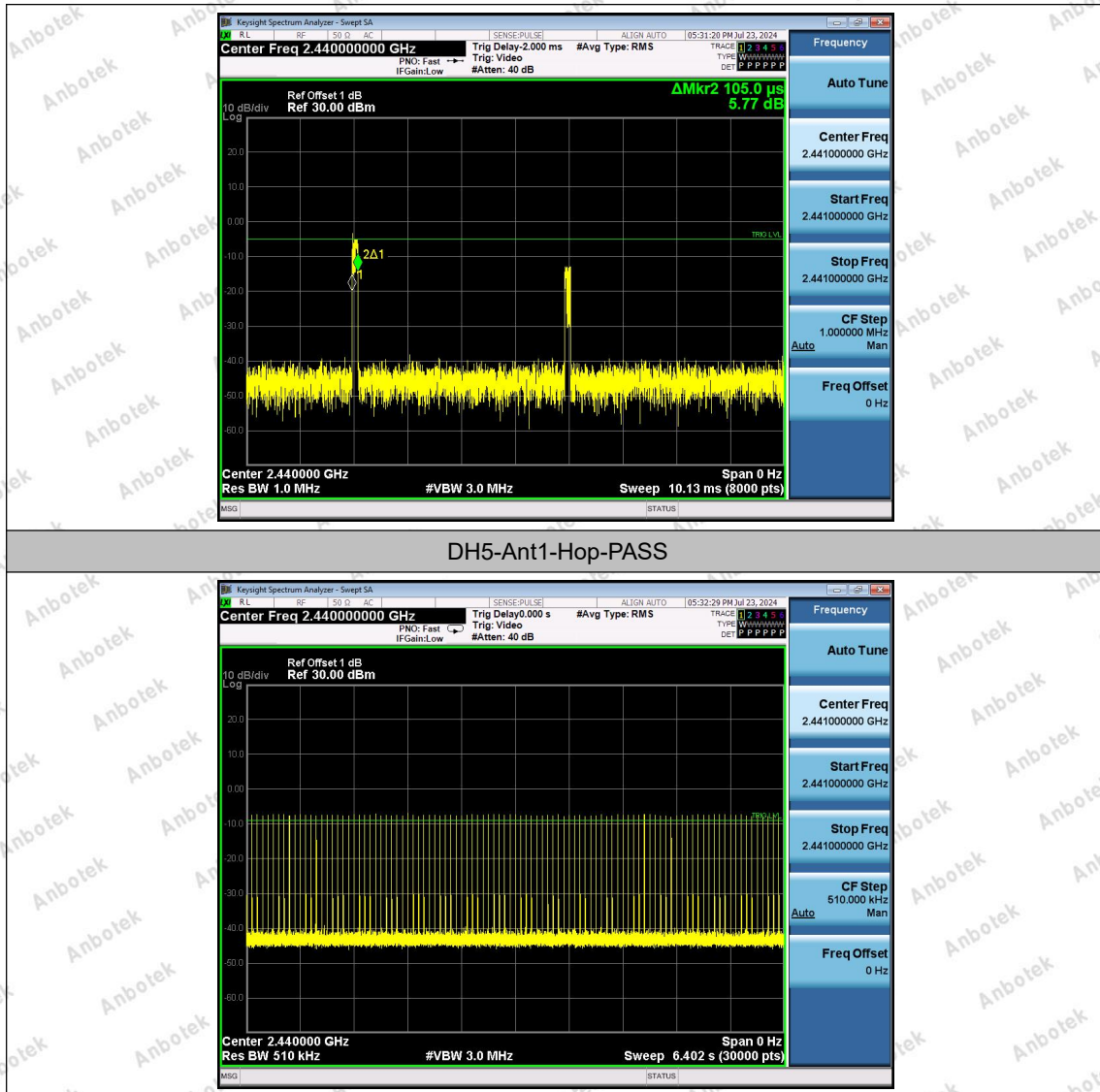
Appendix E: Dwell Time

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	0.105	100	0.011	≤0.4	PASS



Test Graphs



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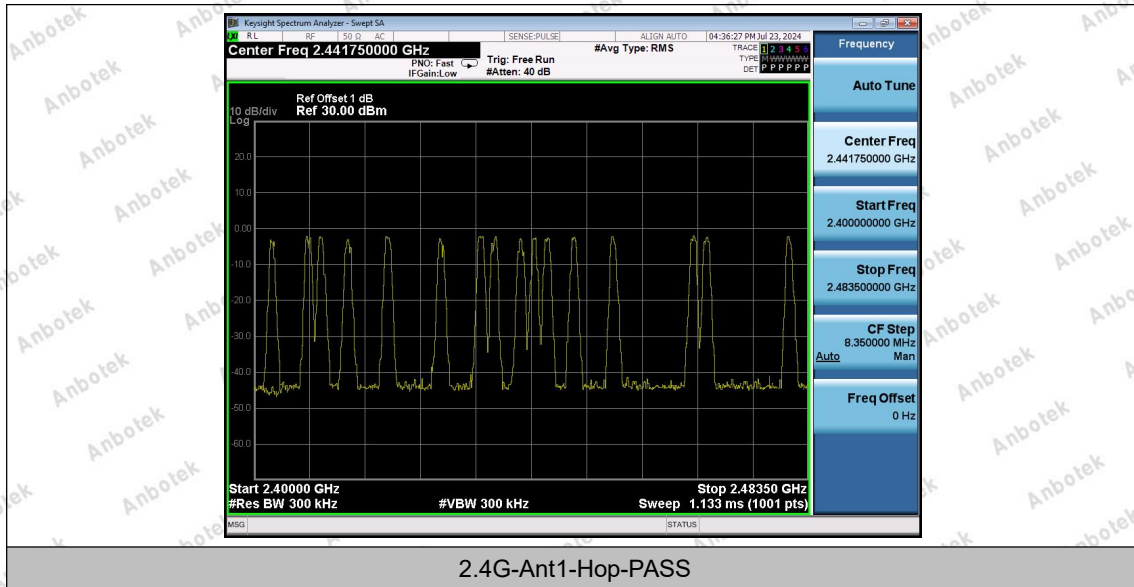
Appendix F: Number of Hopping Channel

Test Result

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



Test Graphs



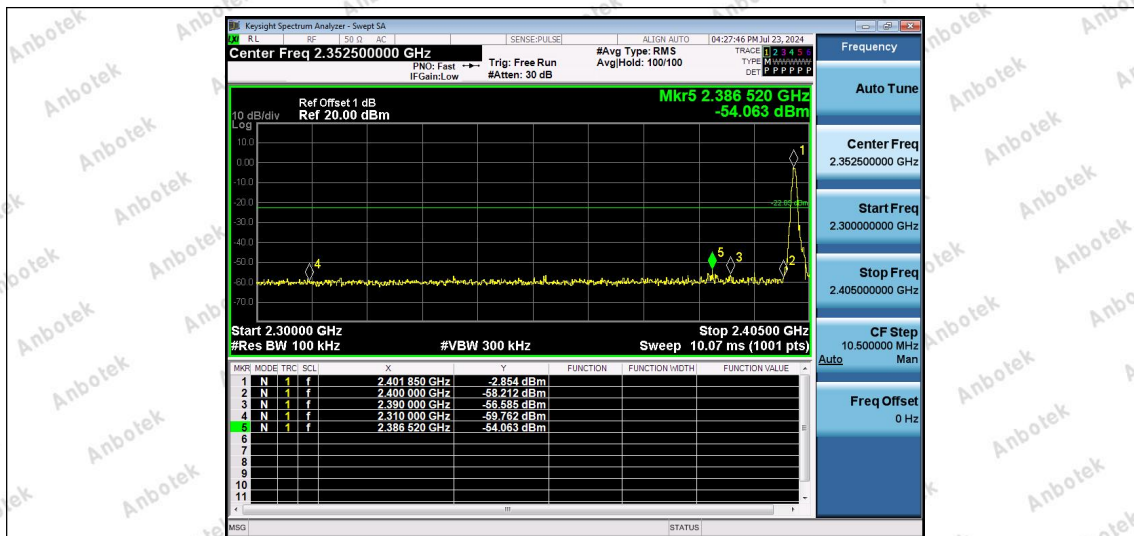
Appendix G: Conducted Band edge

Test Result

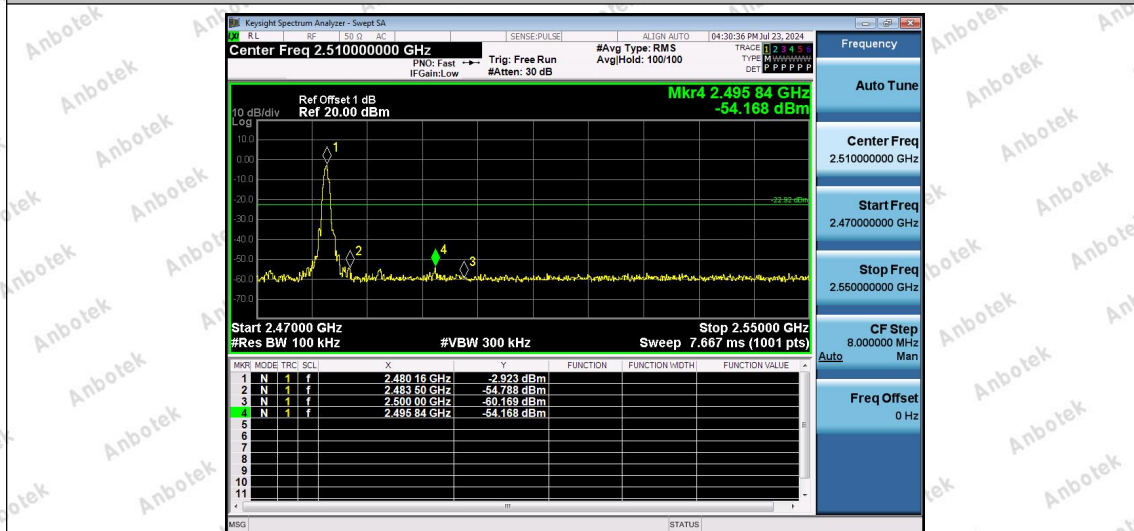
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2402	-2.85	-54.06	≤-22.85	PASS
2.4G	Ant1	High	2480	-2.92	-54.17	≤-22.92	PASS
2.4G	Ant1	Low	Hop_2402	-3.36	-53.94	≤-23.36	PASS
2.4G	Ant1	High	Hop_2480	-3.25	-55.14	≤-23.25	PASS



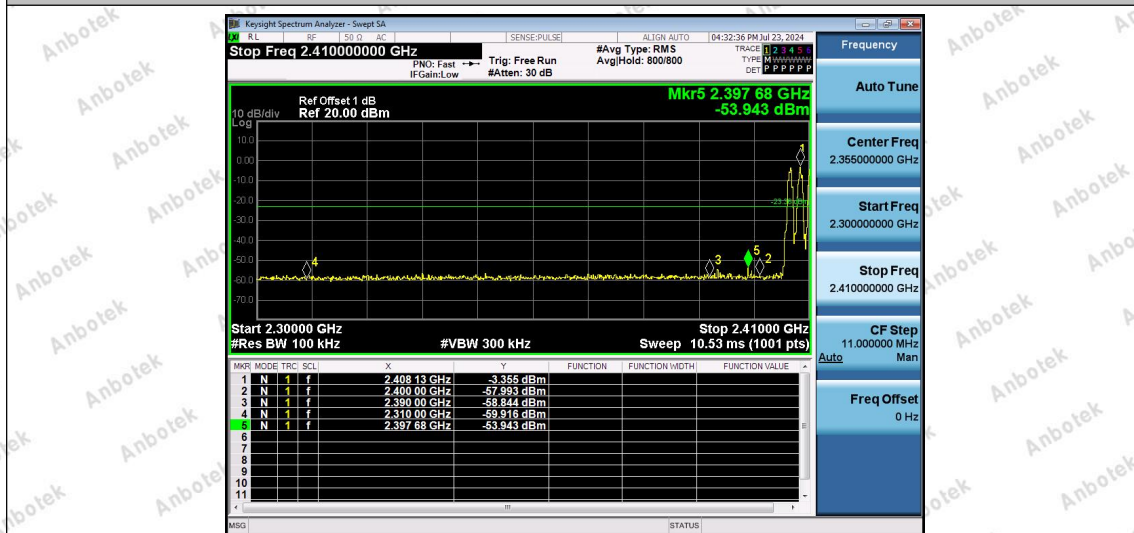
Test Graphs



2.4G-Ant1-2402-PASS



2.4G-Ant1-2480-PASS



2.4G-Ant1-Hop_2402-PASS

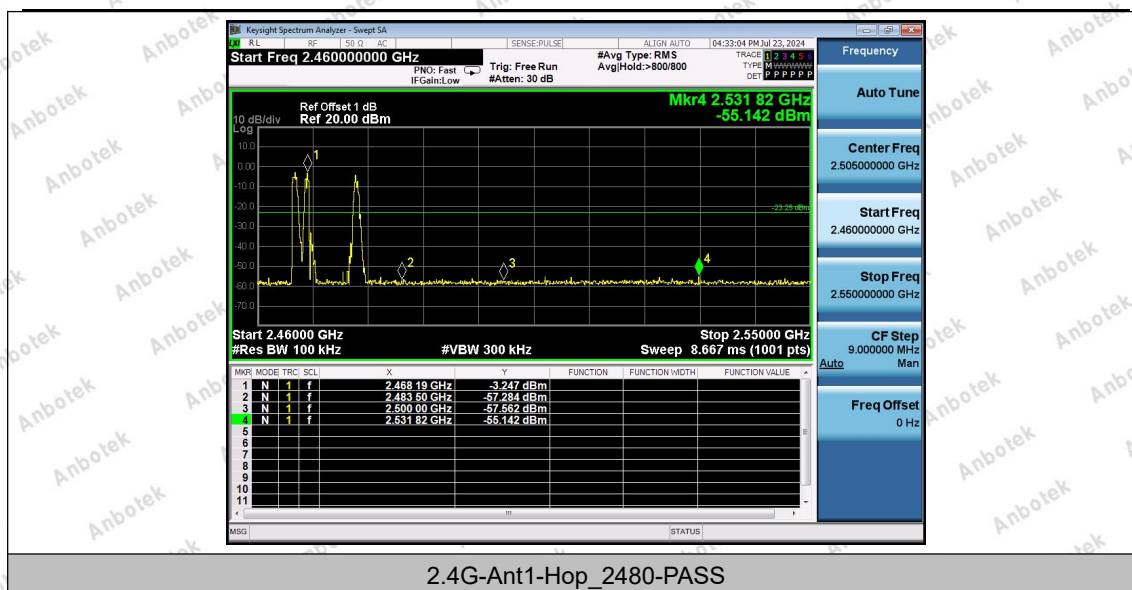
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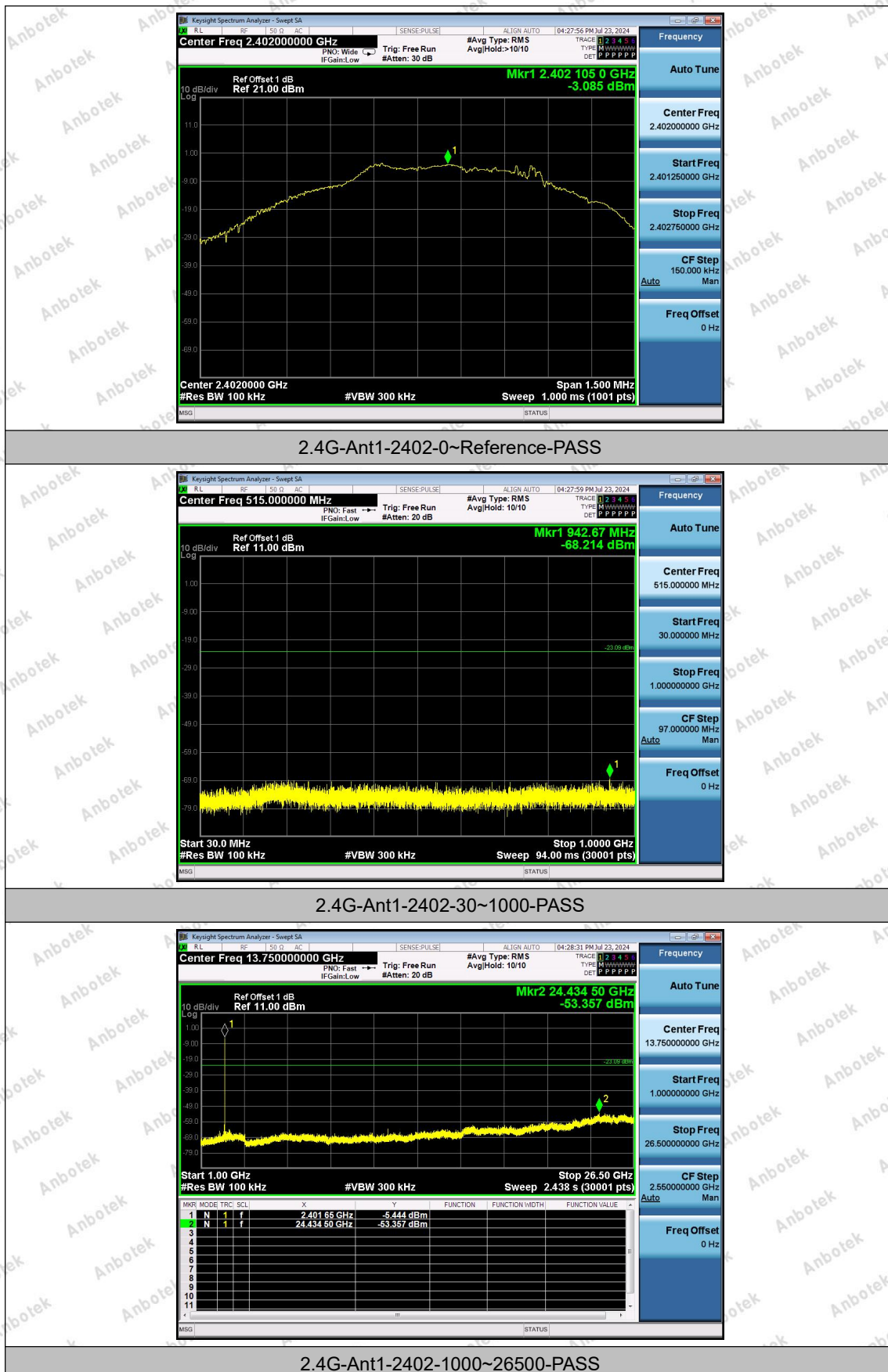
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2402	0~Reference	-3.09	-3.09	---	PASS
2.4G	Ant1	2402	30~1000	-3.09	-68.21	≤-23.09	PASS
2.4G	Ant1	2402	1000~26500	-3.09	-53.36	≤-23.09	PASS
2.4G	Ant1	2440	0~Reference	-3.49	-3.49	---	PASS
2.4G	Ant1	2440	30~1000	-3.49	-67.23	≤-23.49	PASS
2.4G	Ant1	2440	1000~26500	-3.49	-53.19	≤-23.49	PASS
2.4G	Ant1	2480	0~Reference	-3.47	-3.47	---	PASS
2.4G	Ant1	2480	30~1000	-3.47	-68.57	≤-23.47	PASS
2.4G	Ant1	2480	1000~26500	-3.47	-53.52	≤-23.47	PASS



Test Graphs



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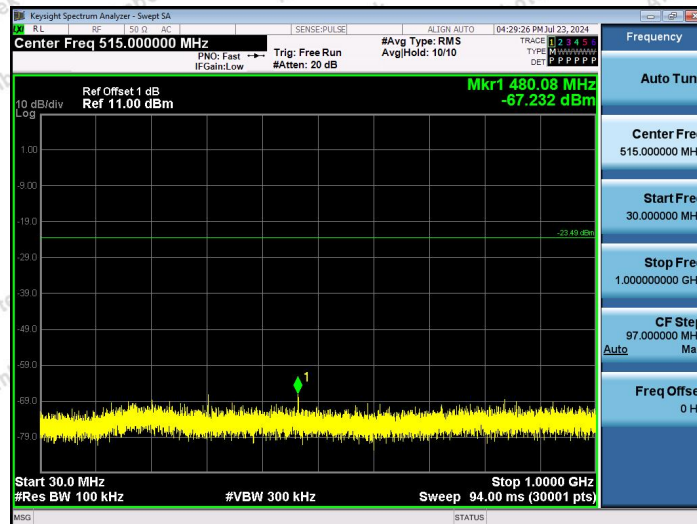


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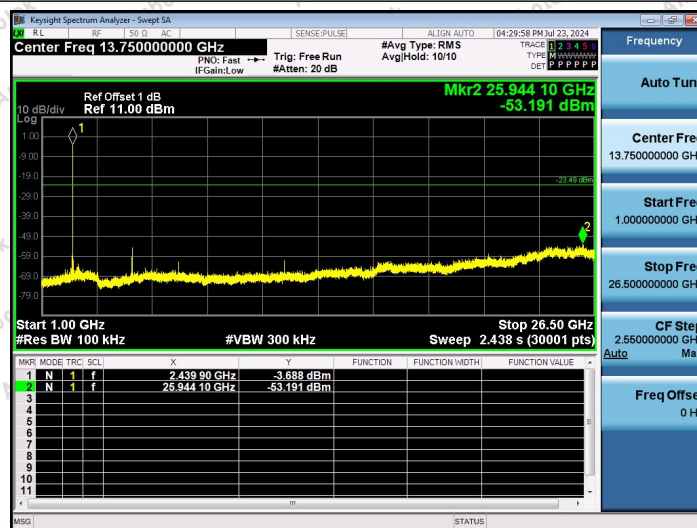




2.4G-Ant1-2440-0~Reference-PASS



2.4G-Ant1-2440-30~1000-PASS

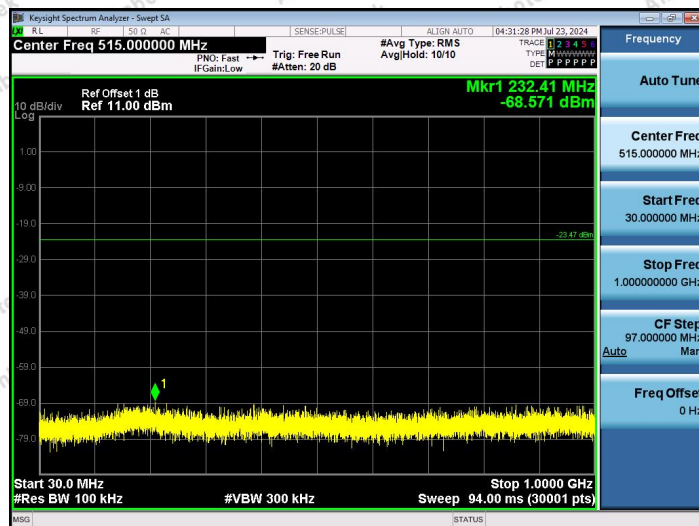


2.4G-Ant1-2440-1000~26500-PASS

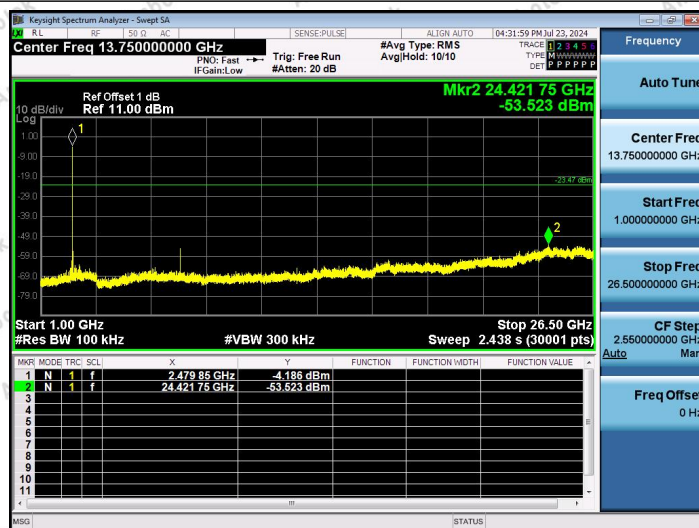




2.4G-Ant1-2480-0~Reference-PASS



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



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

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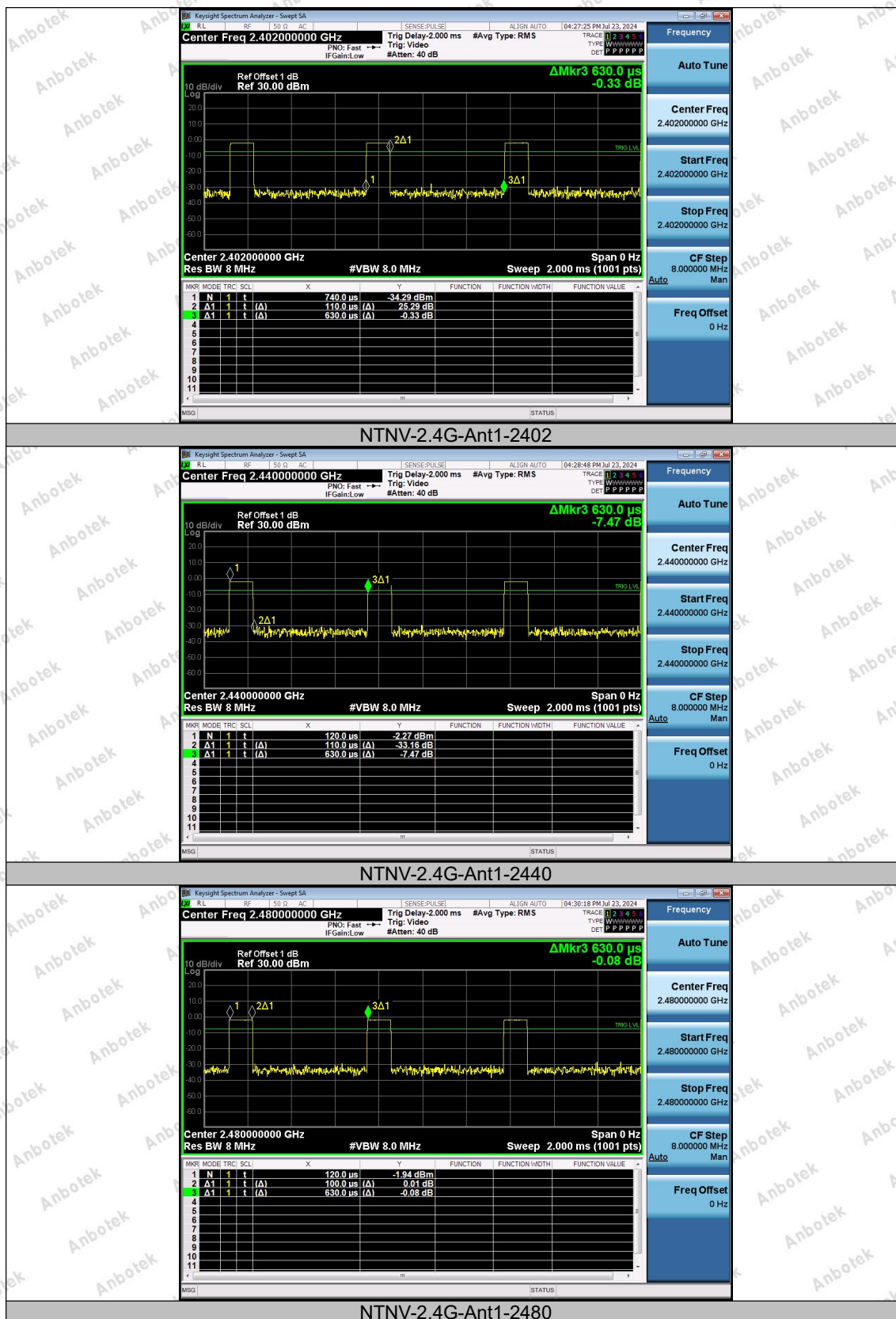
Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2402	0.11	0.63	17.46	7.58
2.4G	Ant1	2440	0.11	0.63	17.46	7.58
2.4G	Ant1	2480	0.10	0.63	15.87	7.99



Test Graphs



---End---

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