

Appendix Test Data

Report No.:	182512C400056102	Test Sample No.:	1-2-2
Start Test Date:	2024.5.22	Finish Test Date:	2024.6.12
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25.6°C	Relative Humidity:	49%
Pressure:	101kPa		

Appendix A: 20dB Bandwidth

Test Result

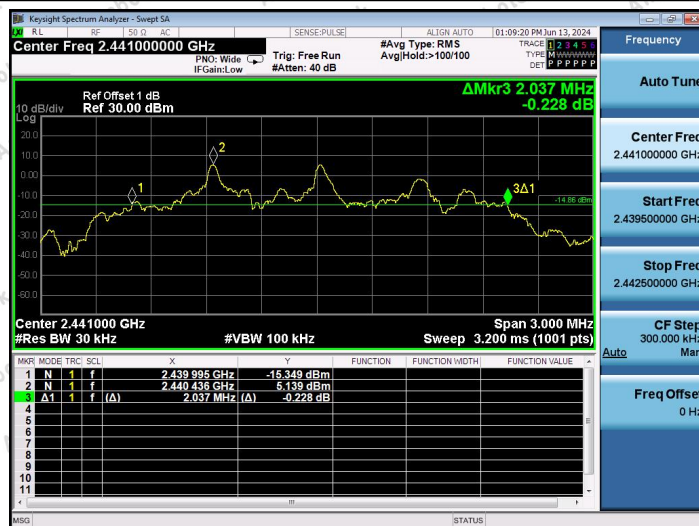
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	1.980	2402.001	2403.981	---	---
2.4G	Ant1	2441	2.037	2439.995	2442.032	---	---
2.4G	Ant1	2480	1.962	2478.007	2480.969	---	---

Test Graphs



2.4G-Ant1-2403





2.4G-Ant1-2441



2.4G-Ant1-2480

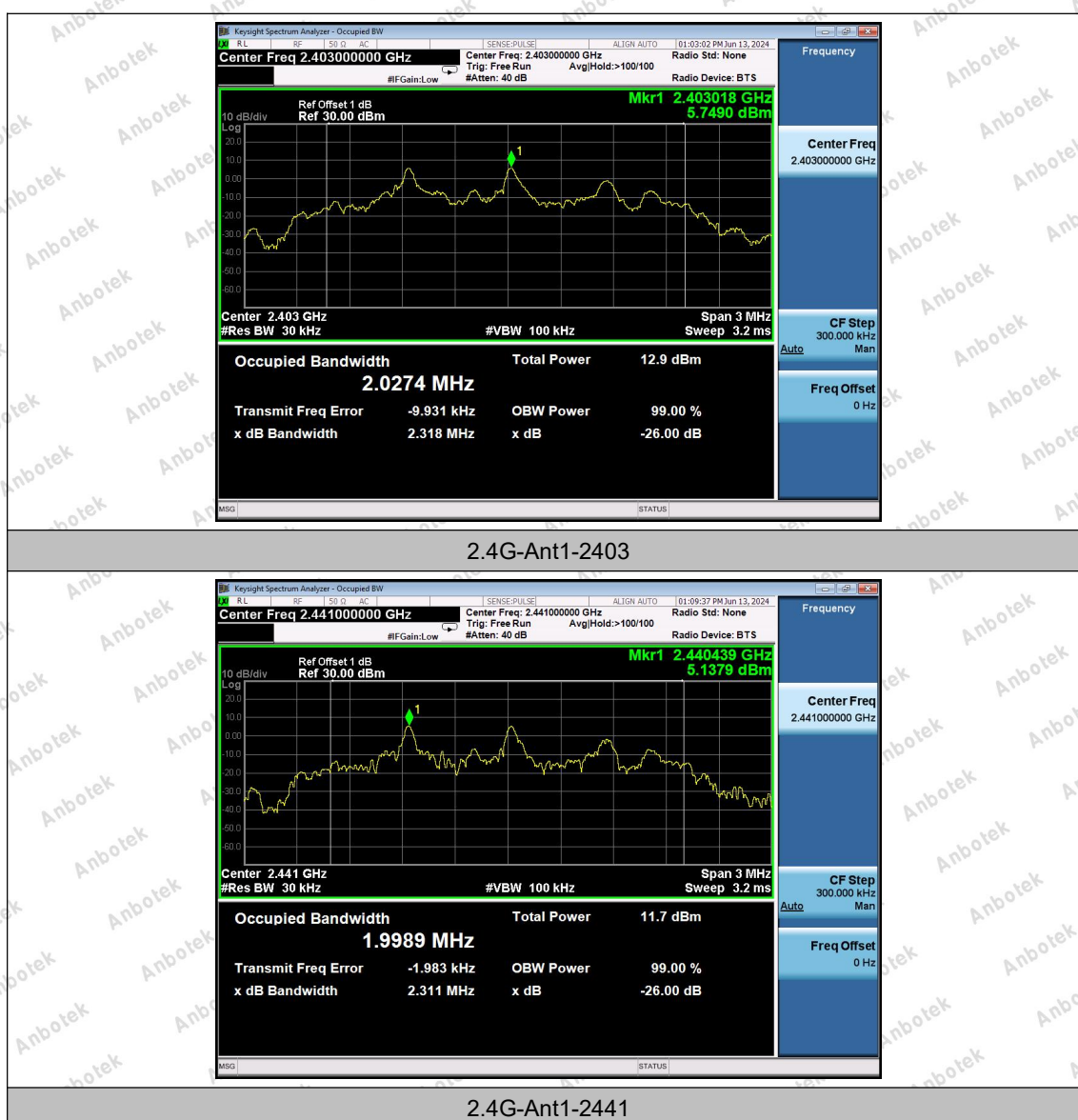


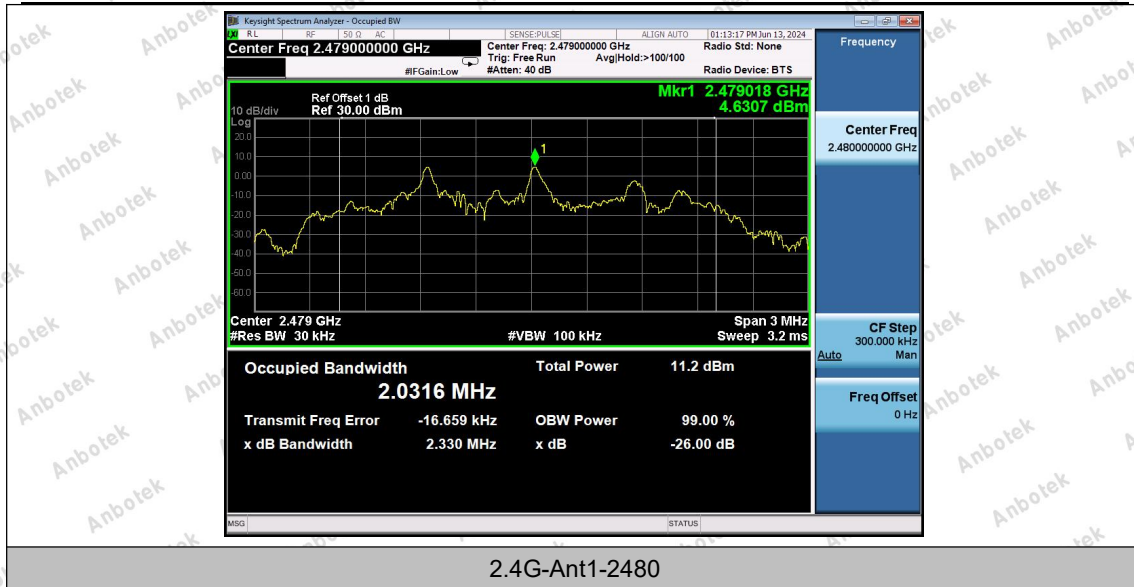
Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.0281	2401.9759	2404.0040	---	---
2.4G	Ant1	2441	1.9991	2440.0002	2441.9993	---	---
2.4G	Ant1	2480	2.0271	2477.9714	2480.9985	---	---

Test Graphs





Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hahgcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,
Tel: (86) 0755-26066440 Email: service@anbotek.com



Hotline
400-003-0500
www.anbotek.com

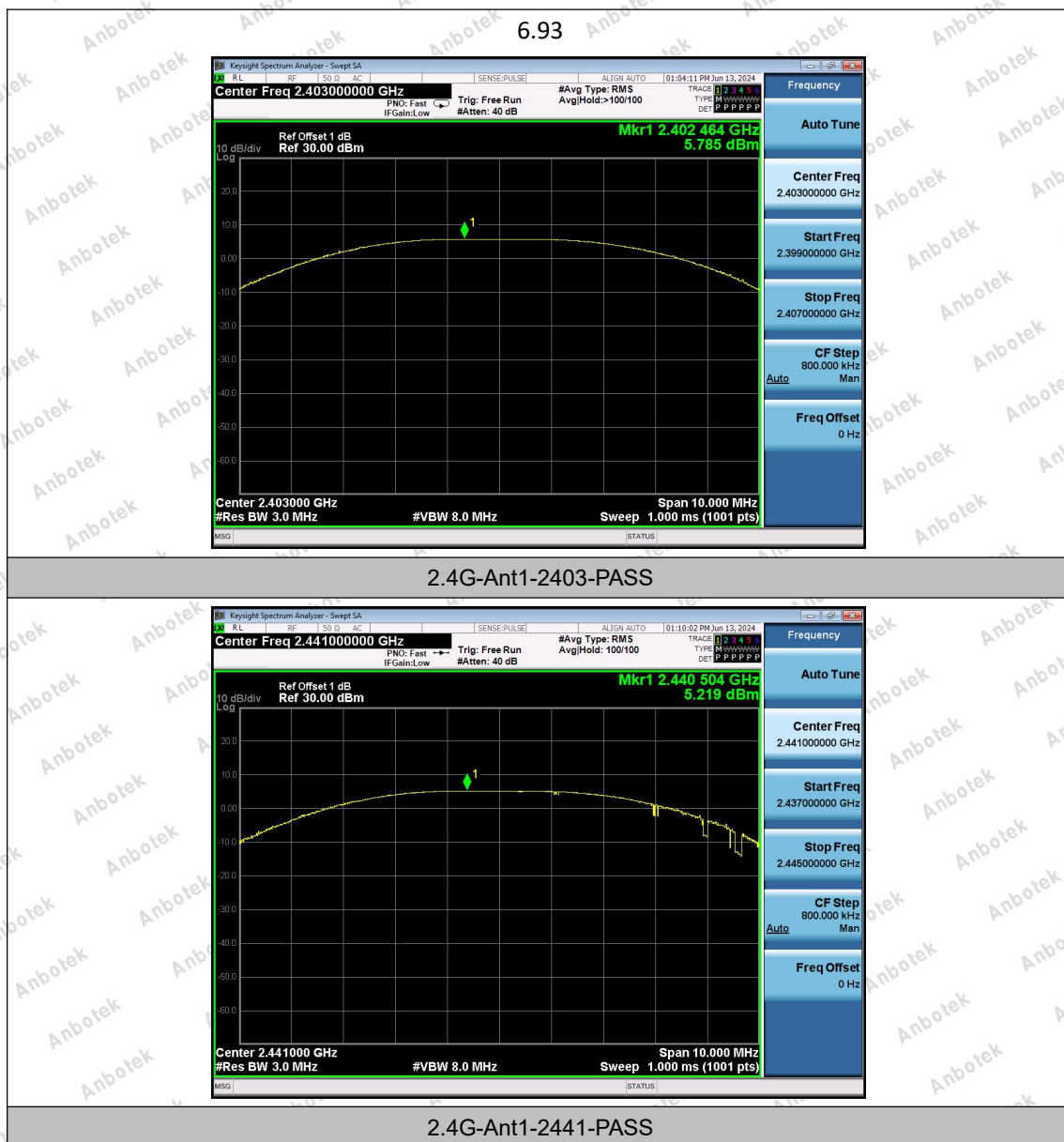


Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	5.79	≤20.97	PASS
2.4G	Ant1	2441	5.22	≤20.97	PASS
2.4G	Ant1	2480	4.70	≤20.97	PASS

Test Graphs



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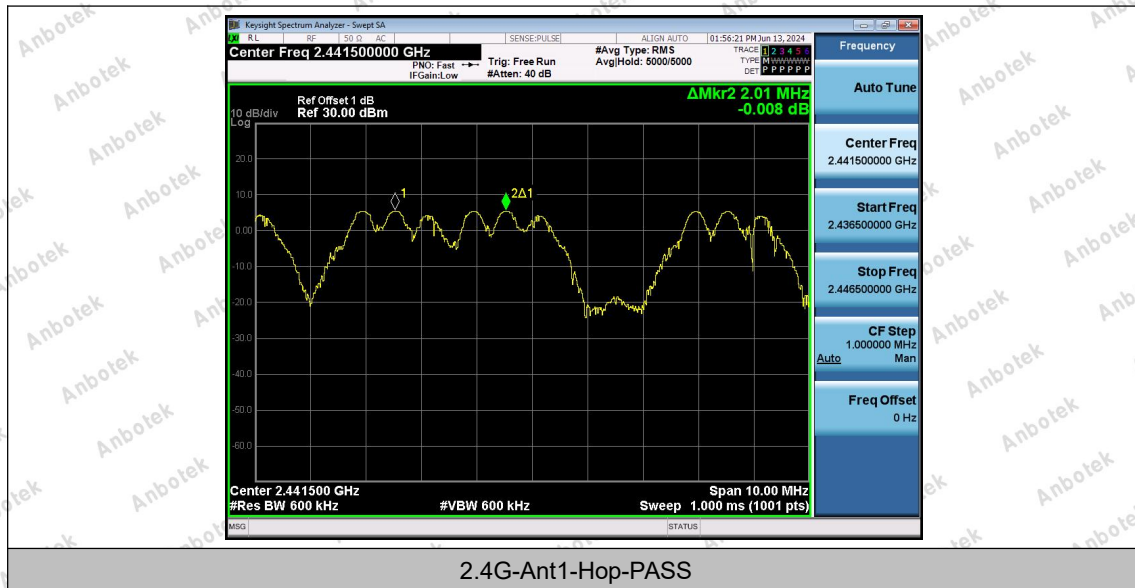


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.01	≥1.358	PASS

Test Graphs

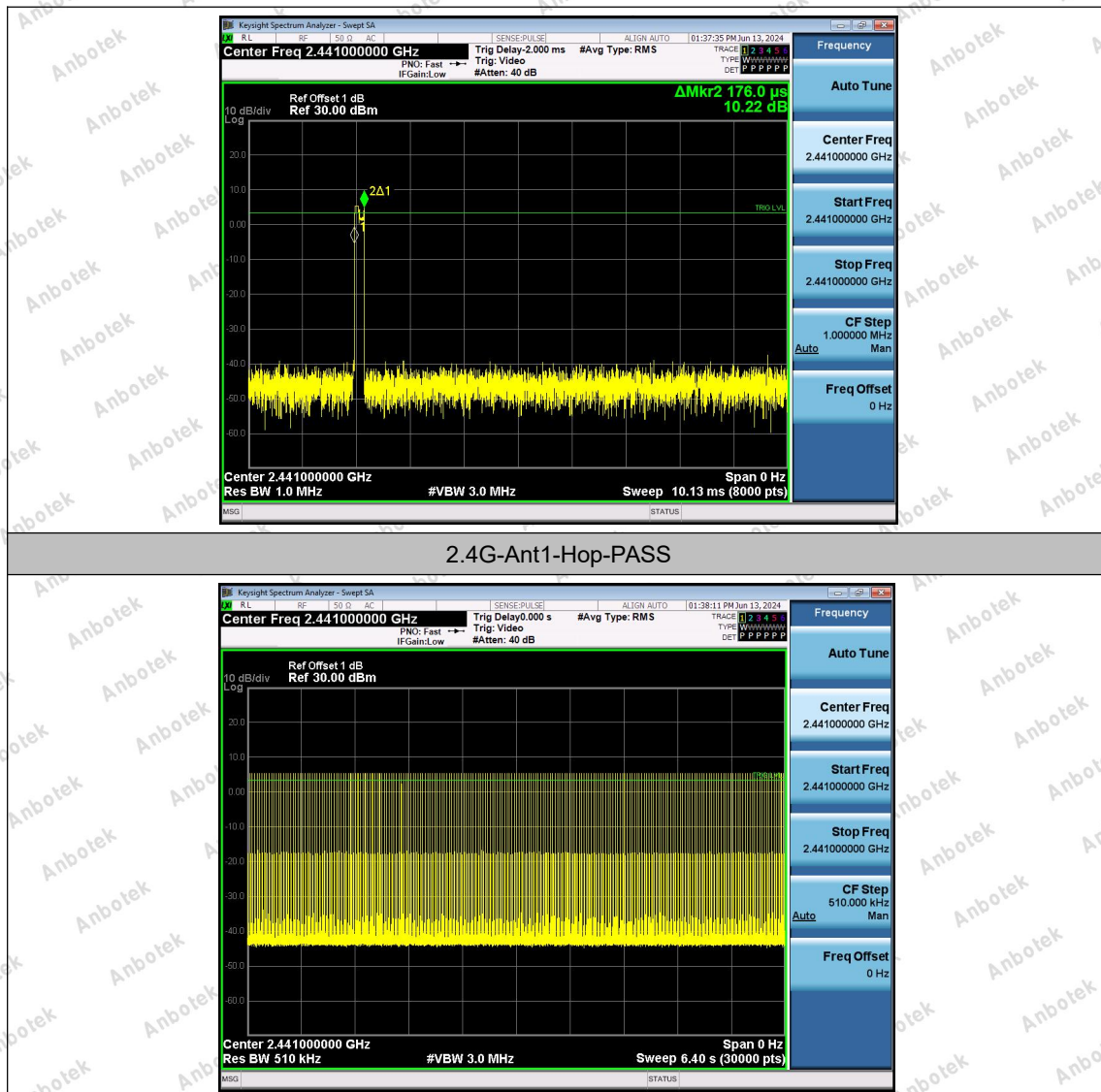


Appendix E: Dwell Time

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.176	223	0.039	≤0.4	PASS

Test Graphs



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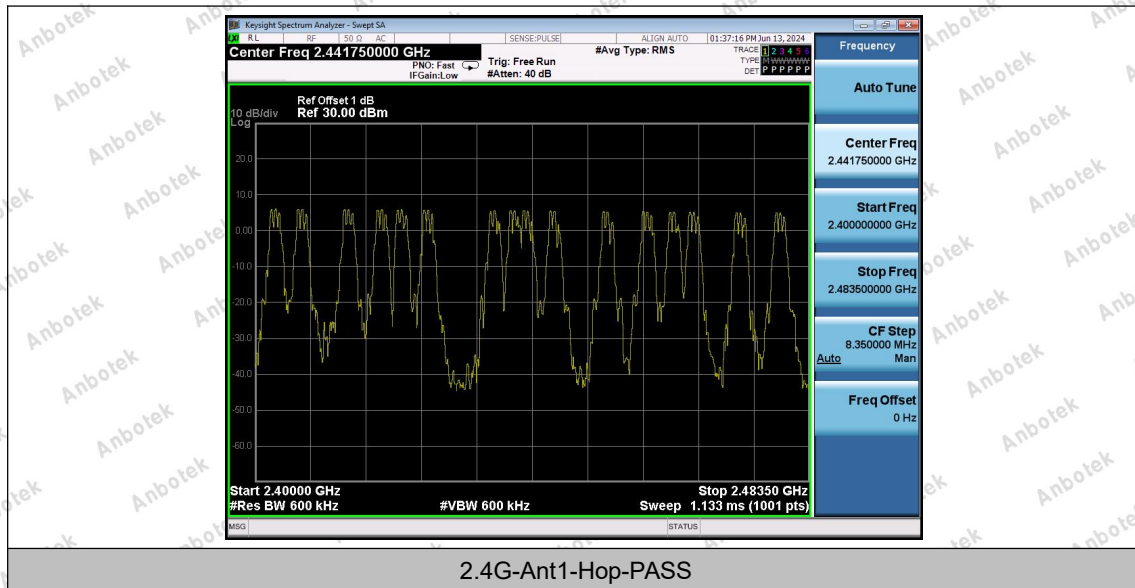


Appendix F: Number of Hopping Channel

Test Result

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

Test Graphs

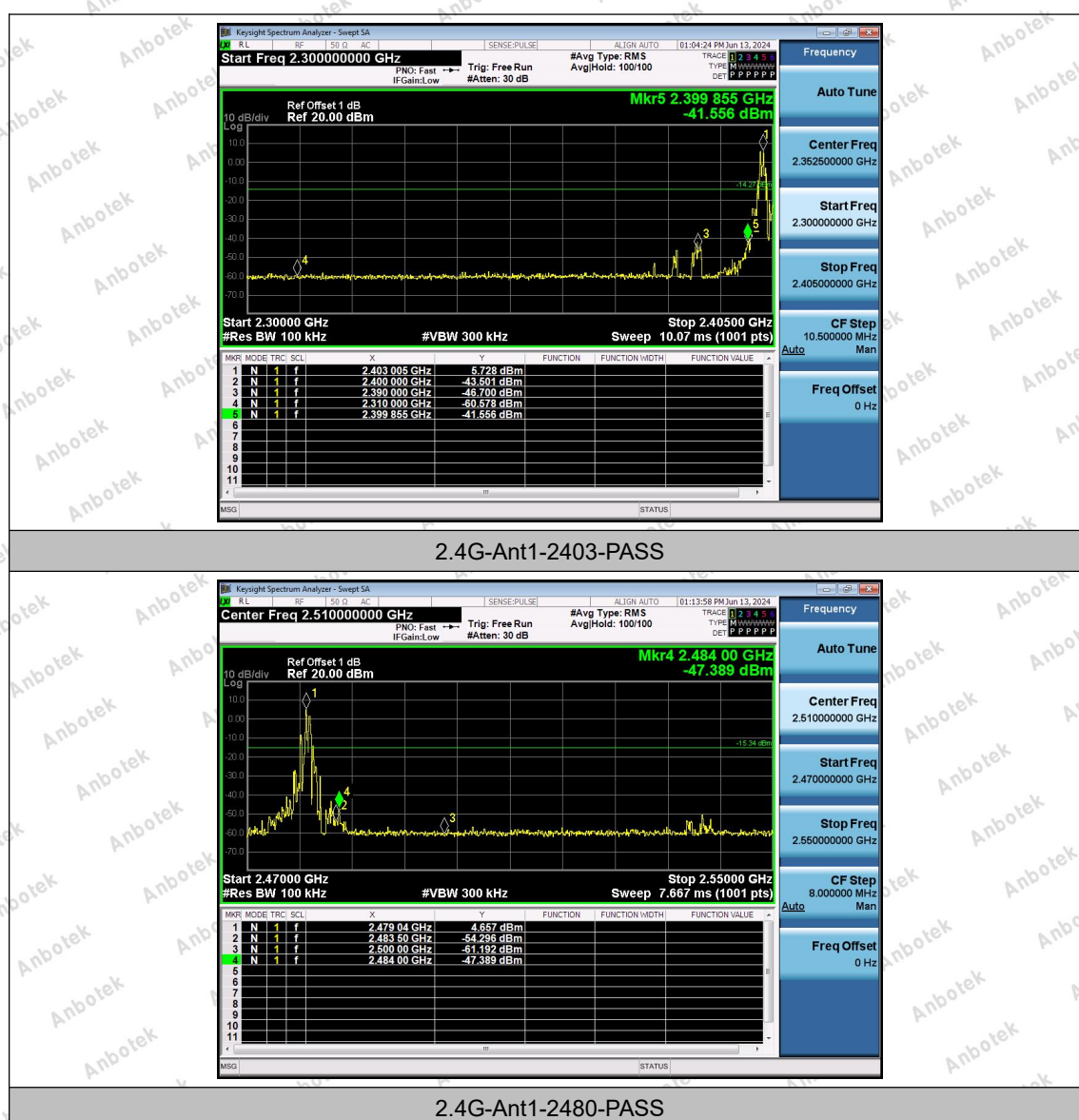


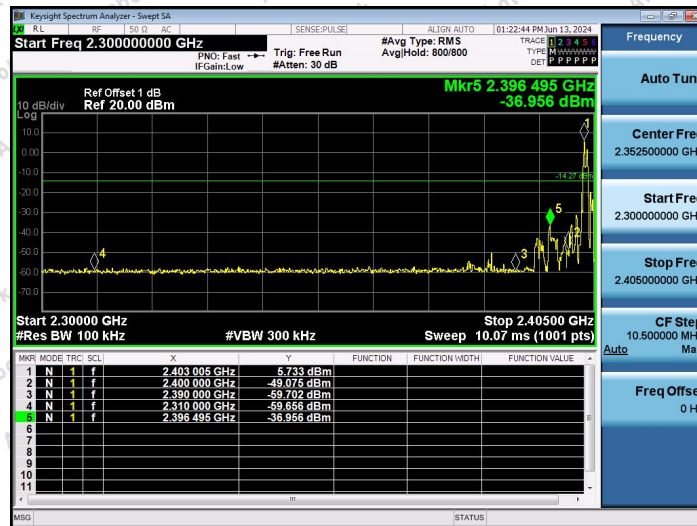
Appendix G: Conducted Band edge

Test Result

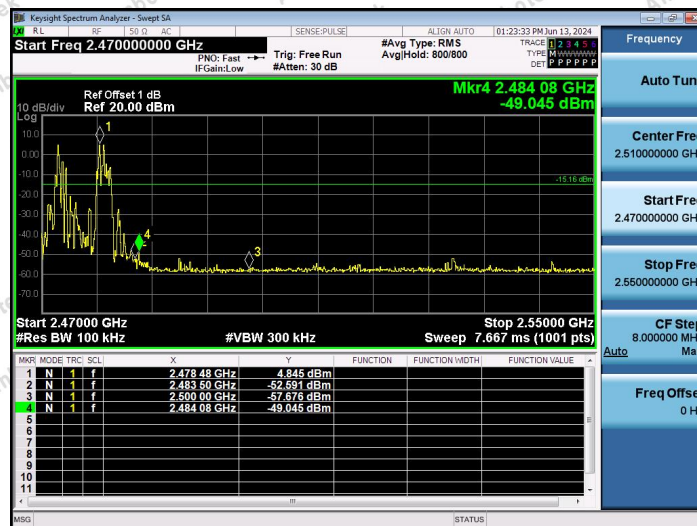
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	5.73	-41.56	≤-14.27	PASS
2.4G	Ant1	High	2480	4.66	-47.39	≤-15.34	PASS
2.4G	Ant1	Low	Hop_2403	5.73	-36.96	≤-14.27	PASS
2.4G	Ant1	High	Hop_2480	4.85	-49.05	≤-15.16	PASS

Test Graphs





2.4G-Ant1-Hop_2403-PASS



2.4G-Ant1-Hop_2480-PASS



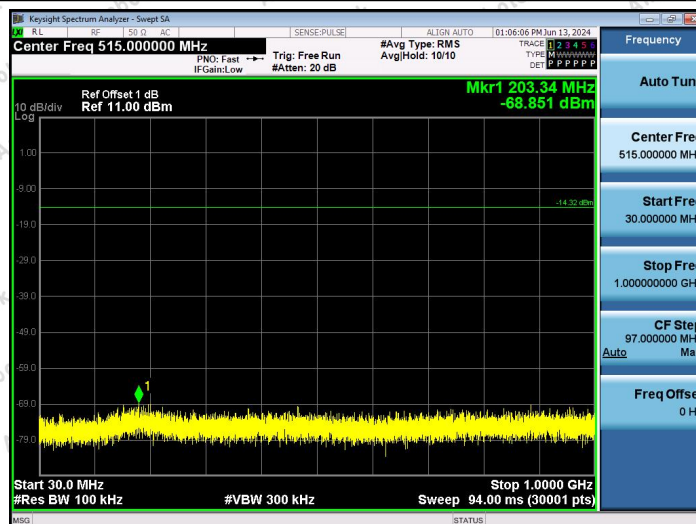
Appendix H: Conducted Spurious Emission

Test Result

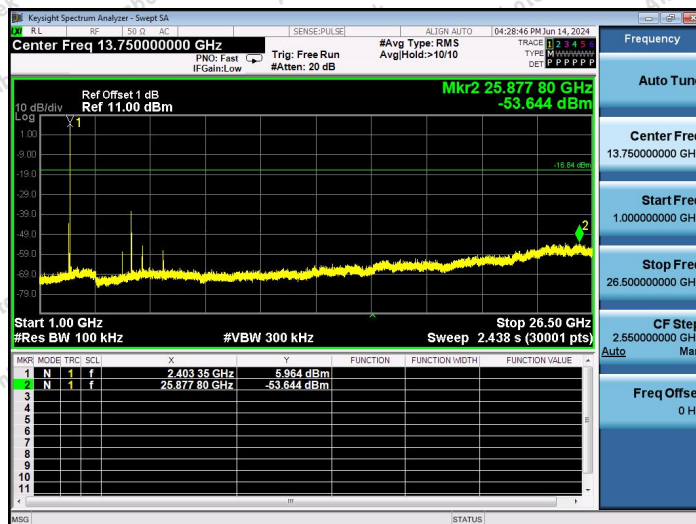
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	0~Reference	5.68	5.68	---	PASS
2.4G	Ant1	2403	30~1000	5.68	-68.85	≤-14.32	PASS
2.4G	Ant1	2403	1000~26500	5.68	-53.64	≤-14.32	PASS
2.4G	Ant1	2441	0~Reference	5.12	5.12	---	PASS
2.4G	Ant1	2441	30~1000	5.12	-68.85	≤-14.88	PASS
2.4G	Ant1	2441	1000~26500	5.12	-45.13	≤-14.88	PASS
2.4G	Ant1	2480	0~Reference	4.61	4.61	---	PASS
2.4G	Ant1	2480	30~1000	4.61	-67.6	≤-15.39	PASS
2.4G	Ant1	2480	1000~26500	4.61	-38.68	≤-15.39	PASS

Test Graphs





2.4G-Ant1-2403-30~1000-PASS

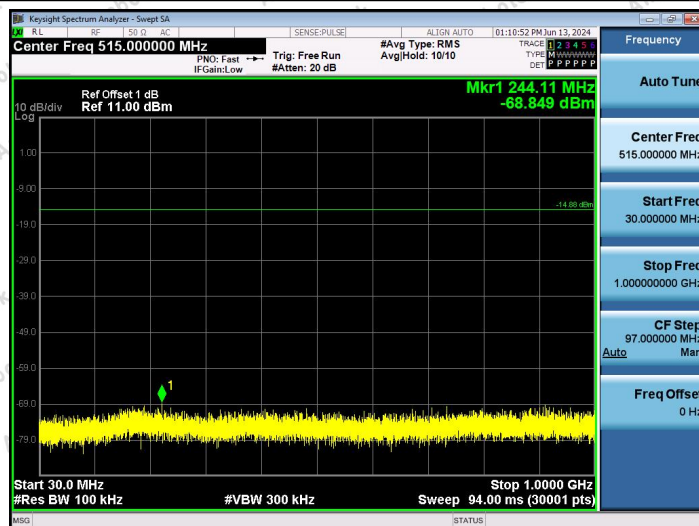


2.4G-Ant1-2403-1000~26500-PASS

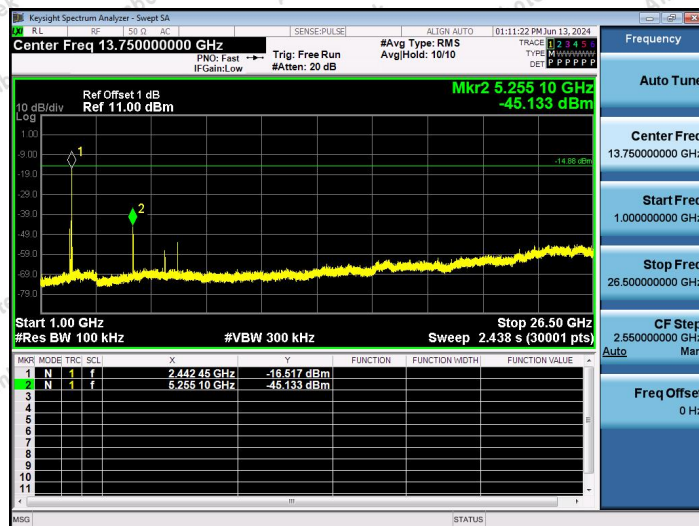


2.4G-Ant1-2441-0~Reference-PASS

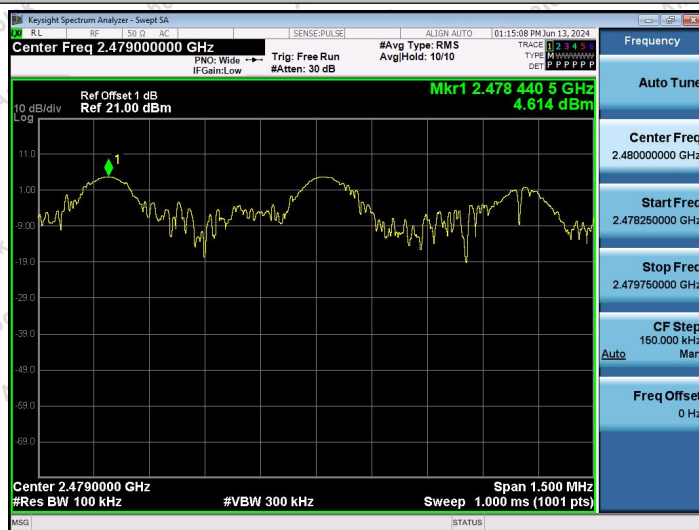




2.4G-Ant1-2441-30~1000-PASS

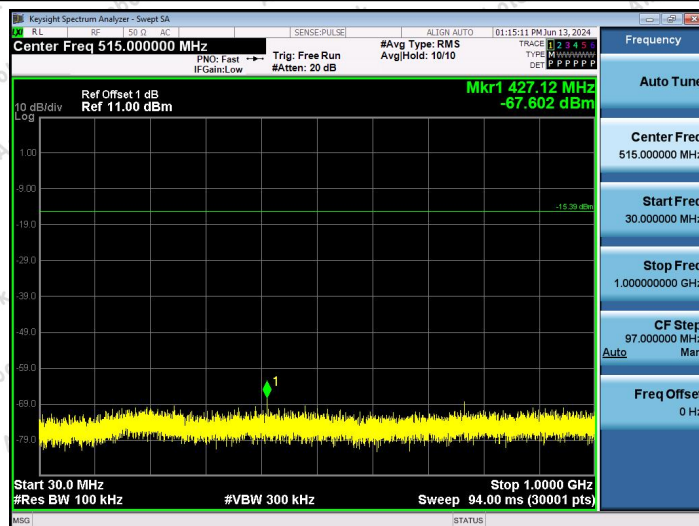


2.4G-Ant1-2441-1000~26500-PASS

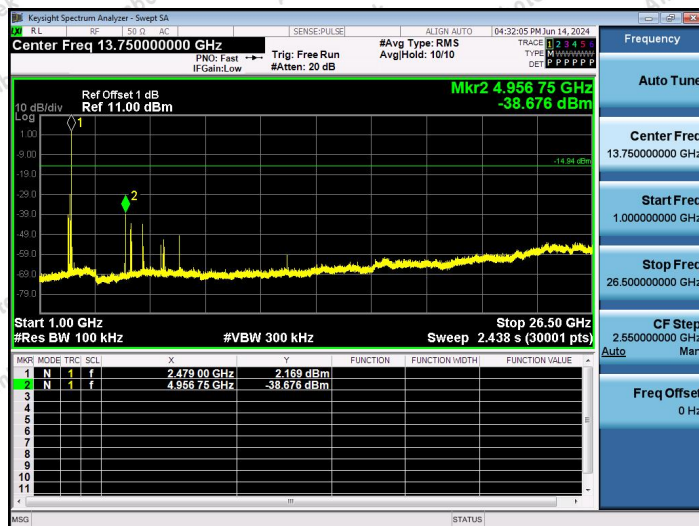


2.4G-Ant1-2480-0~Reference-PASS





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



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

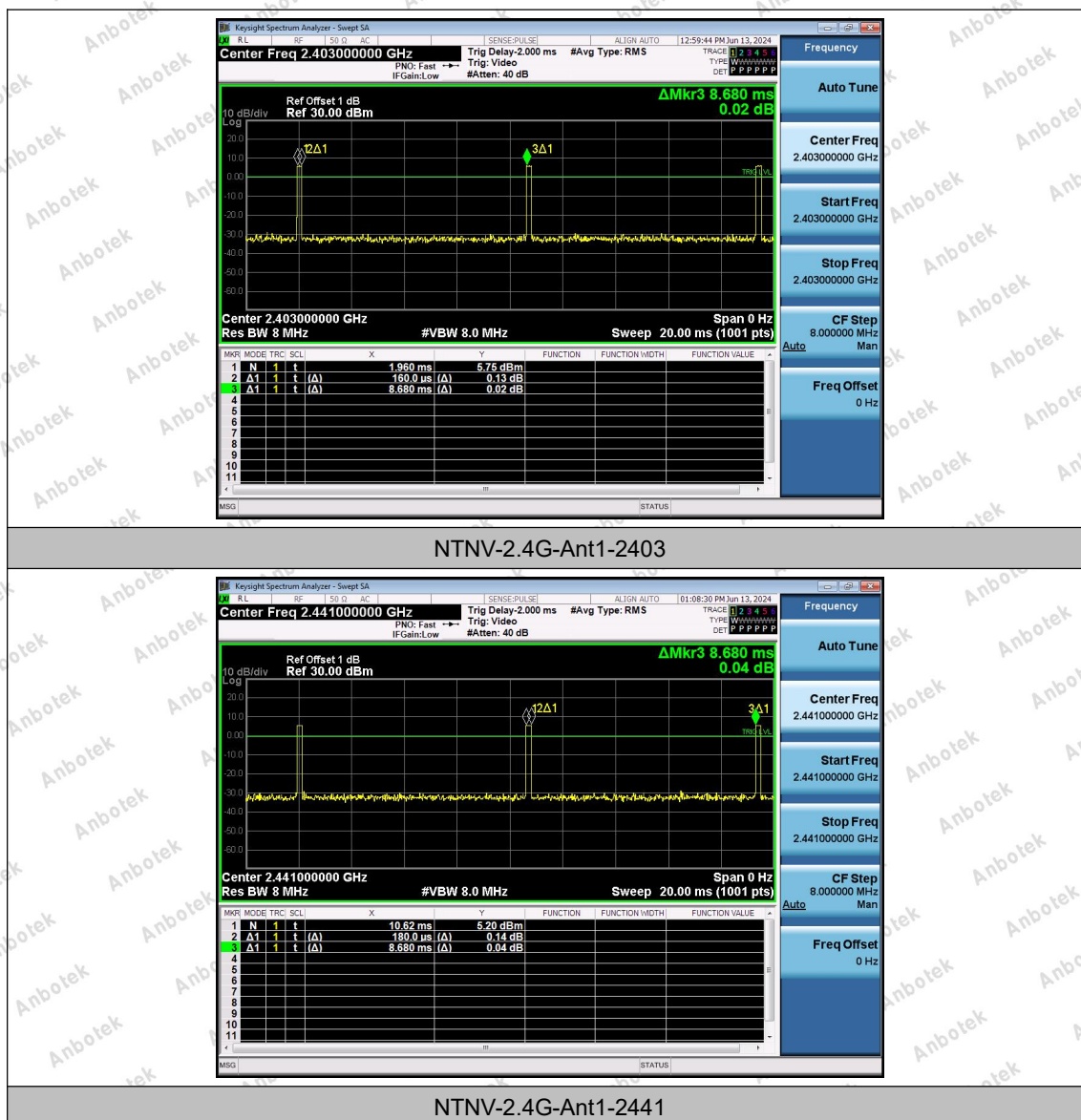


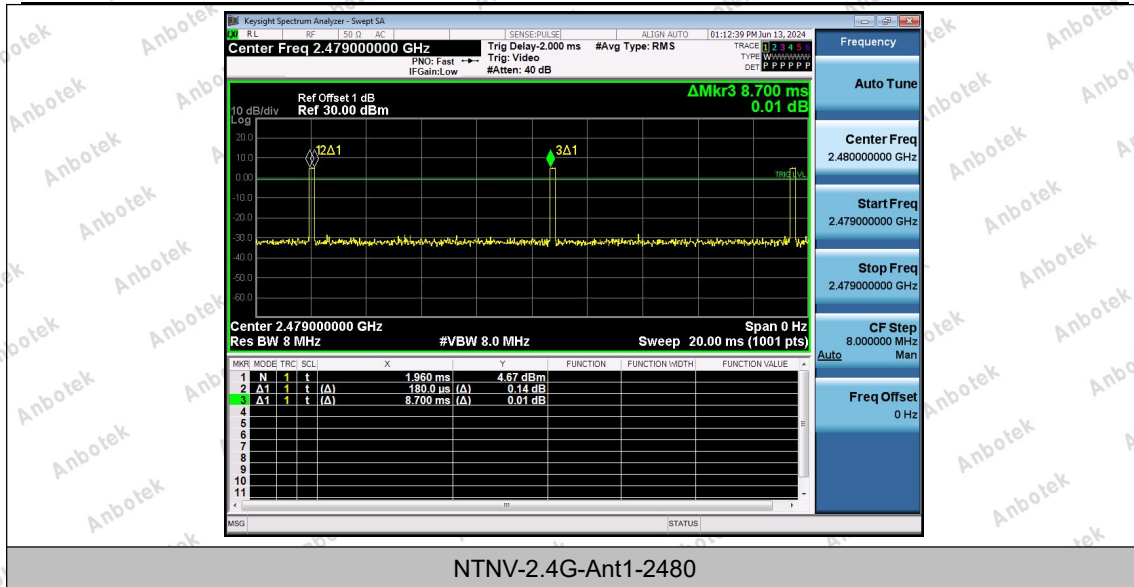
Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2403	0.16	8.68	1.84	17.35
2.4G	Ant1	2441	0.18	8.68	2.07	16.84
2.4G	Ant1	2480	0.18	8.70	2.07	16.84

Test Graphs





---End---

