

Appendix Test Data

Report No:	1812C40049012502	Test Sample NO:	1-2-2
Start Test Date:	2024.9.11	Finish Test Date:	2024.9.11
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	24.7°C	Relative Humidity:	51%
Pressure:	101 kPa		

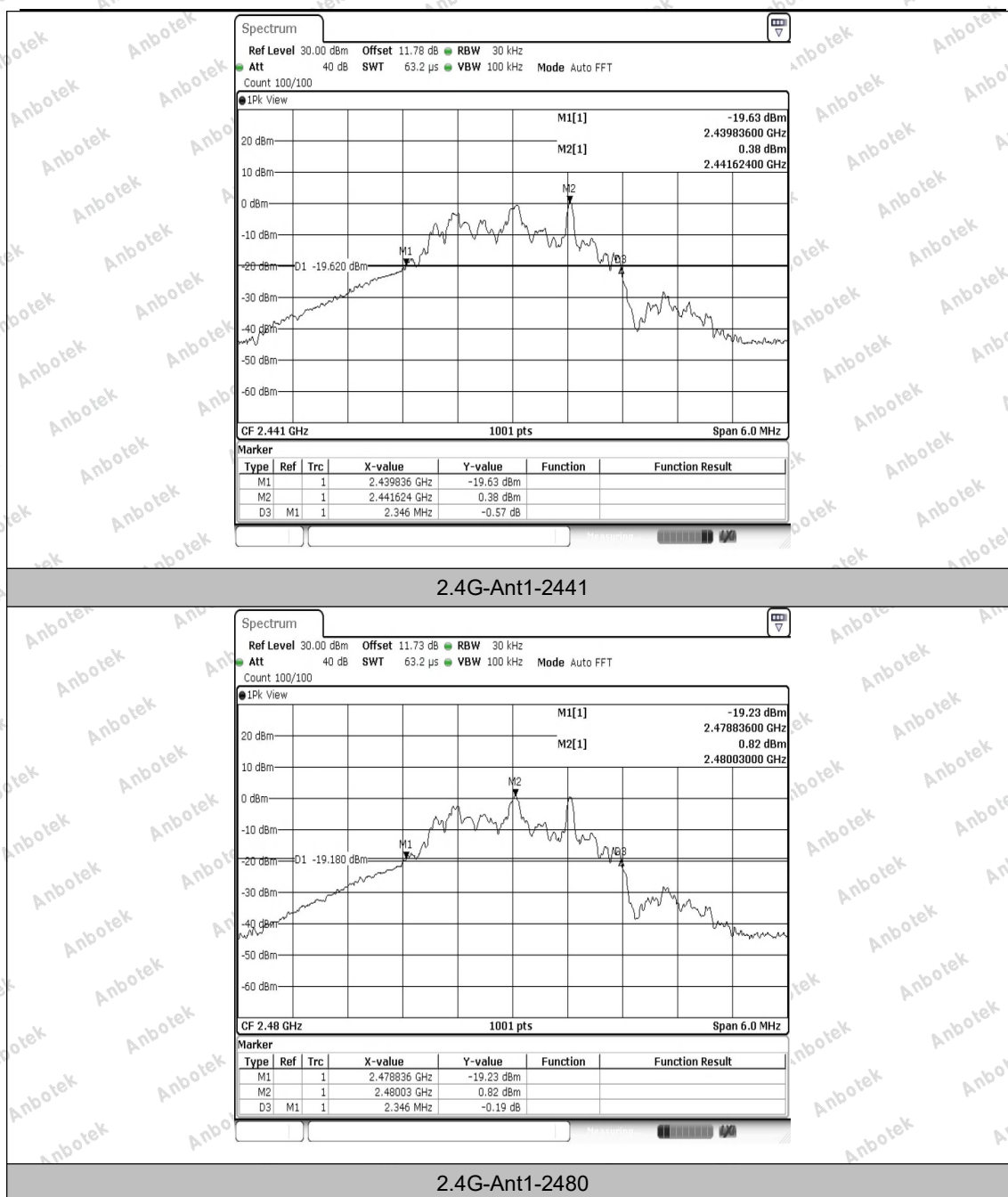
Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.37	2401.82	2404.19	---	---
2.4G	Ant1	2441	2.35	2439.84	2442.18	---	---
2.4G	Ant1	2480	2.35	2478.84	2481.18	---	---

Test Graphs



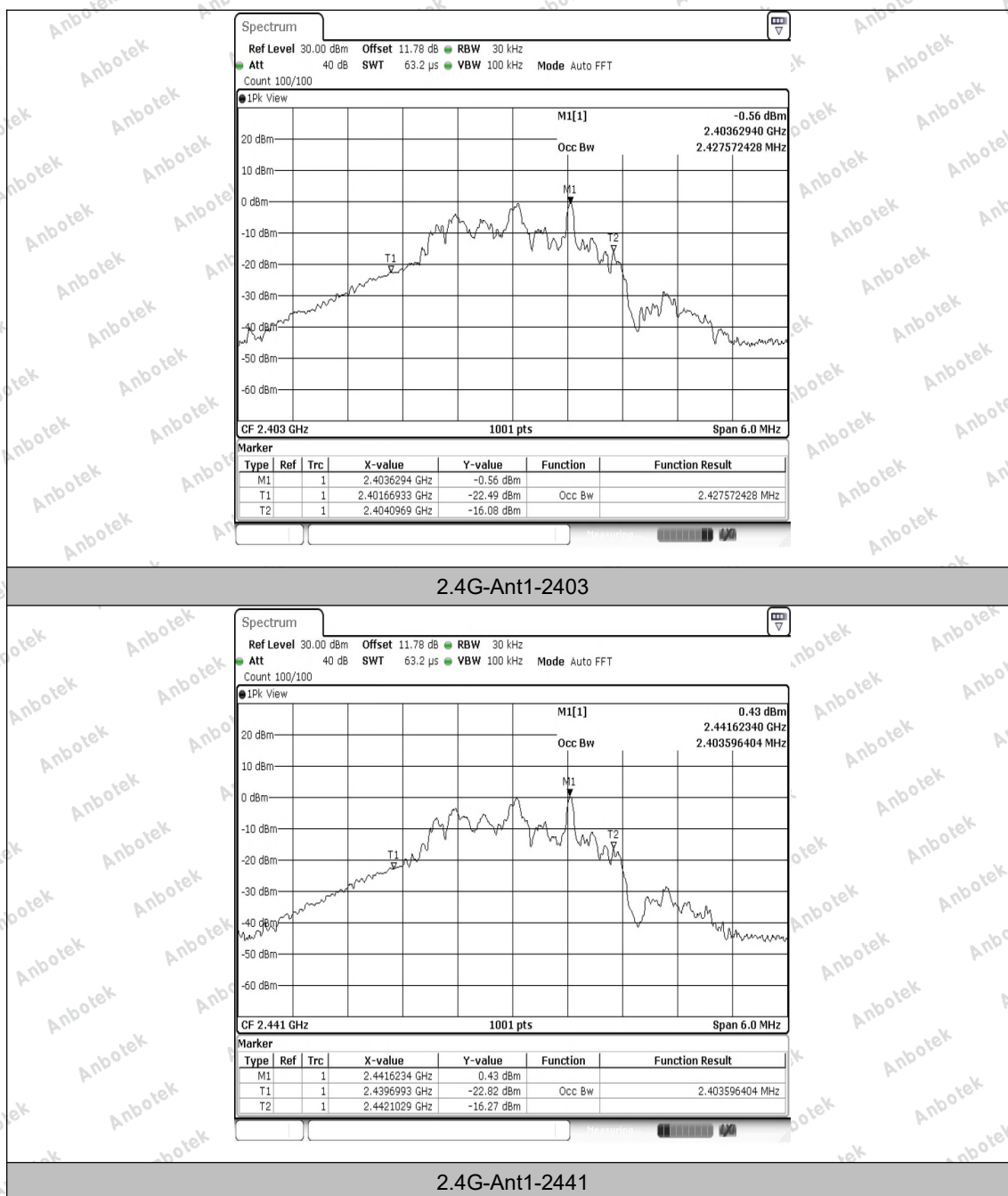


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.428	2401.6693	2404.0969	---	---
2.4G	Ant1	2441	2.404	2439.6993	2442.1029	---	---
2.4G	Ant1	2480	2.374	2478.7233	2481.0969	---	---

Test Graphs



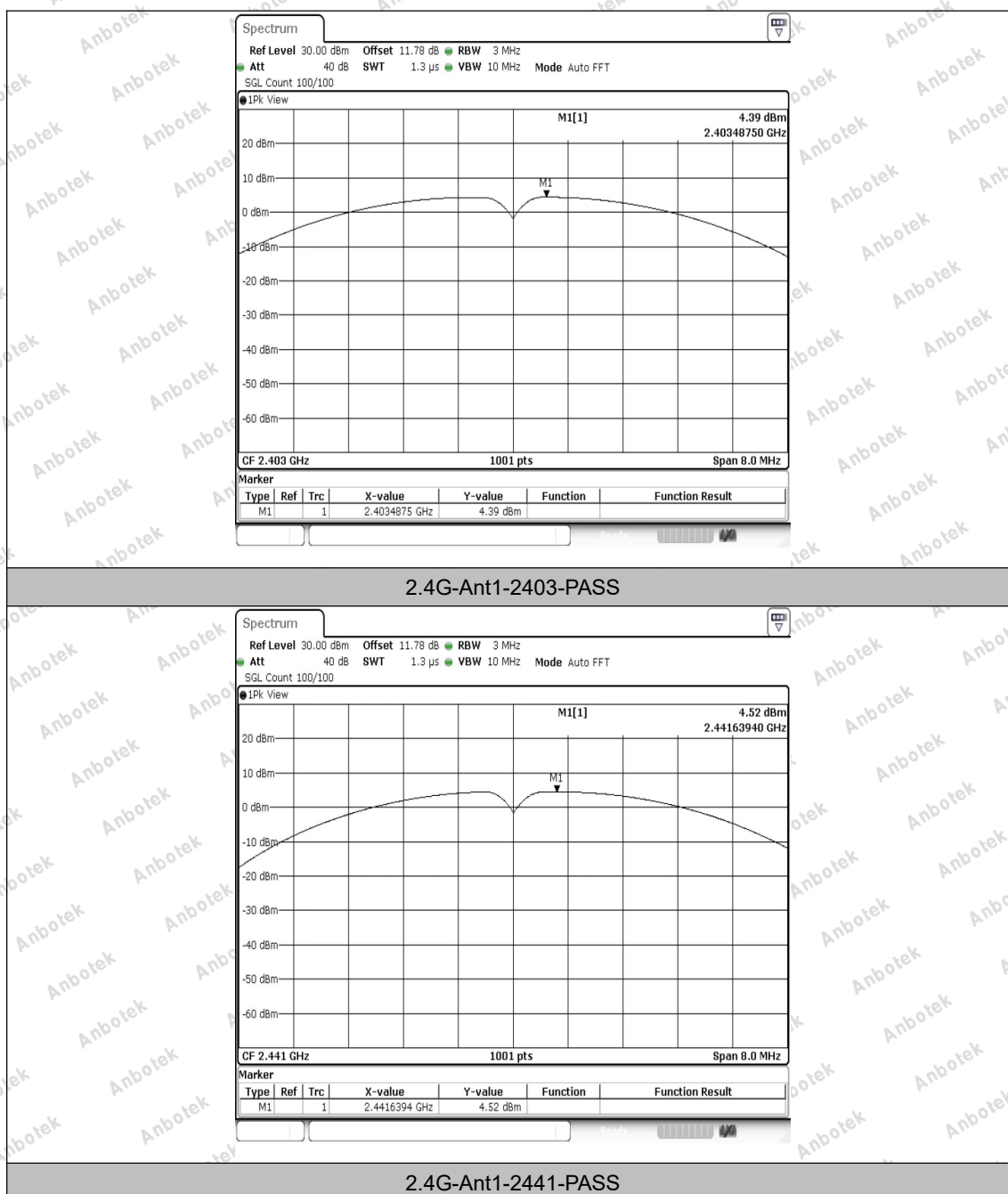


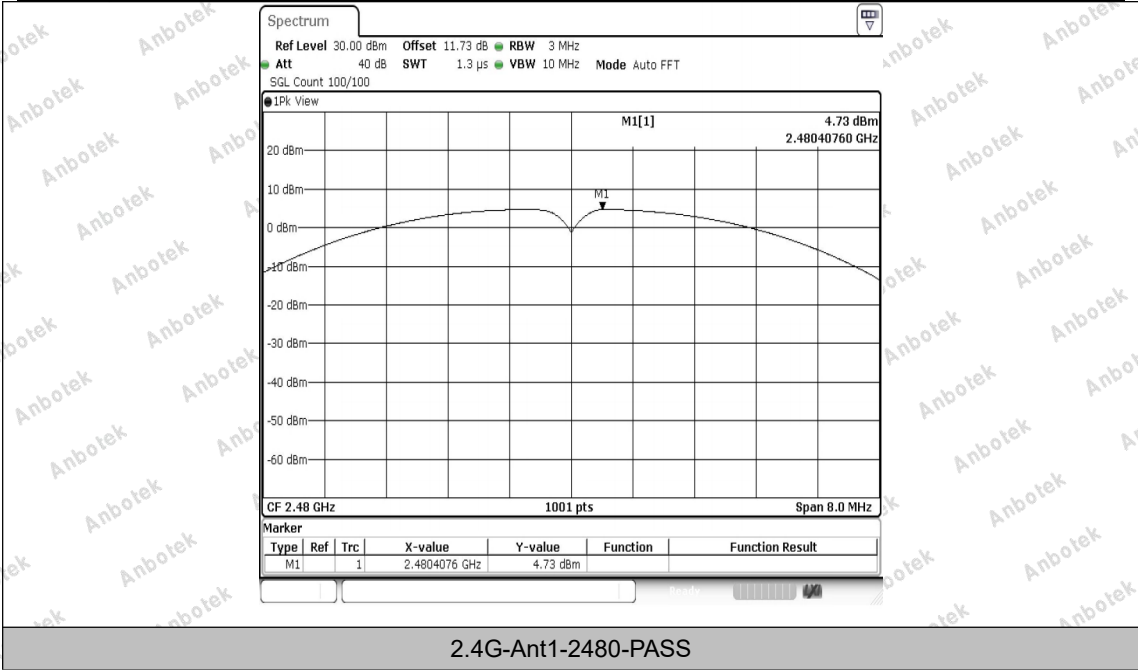
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	4.39	≤20.97	PASS
2.4G	Ant1	2441	4.52	≤20.97	PASS
2.4G	Ant1	2480	4.73	≤20.97	PASS

Test Graphs



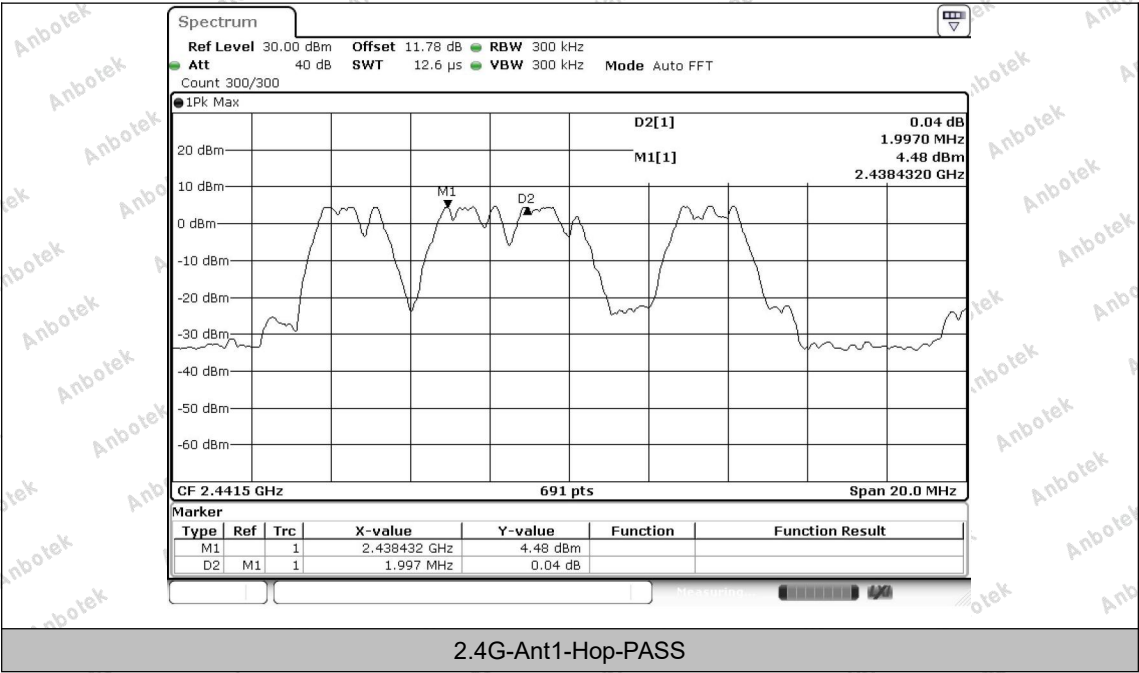


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	1.997	≥1.58	PASS

Test Graphs

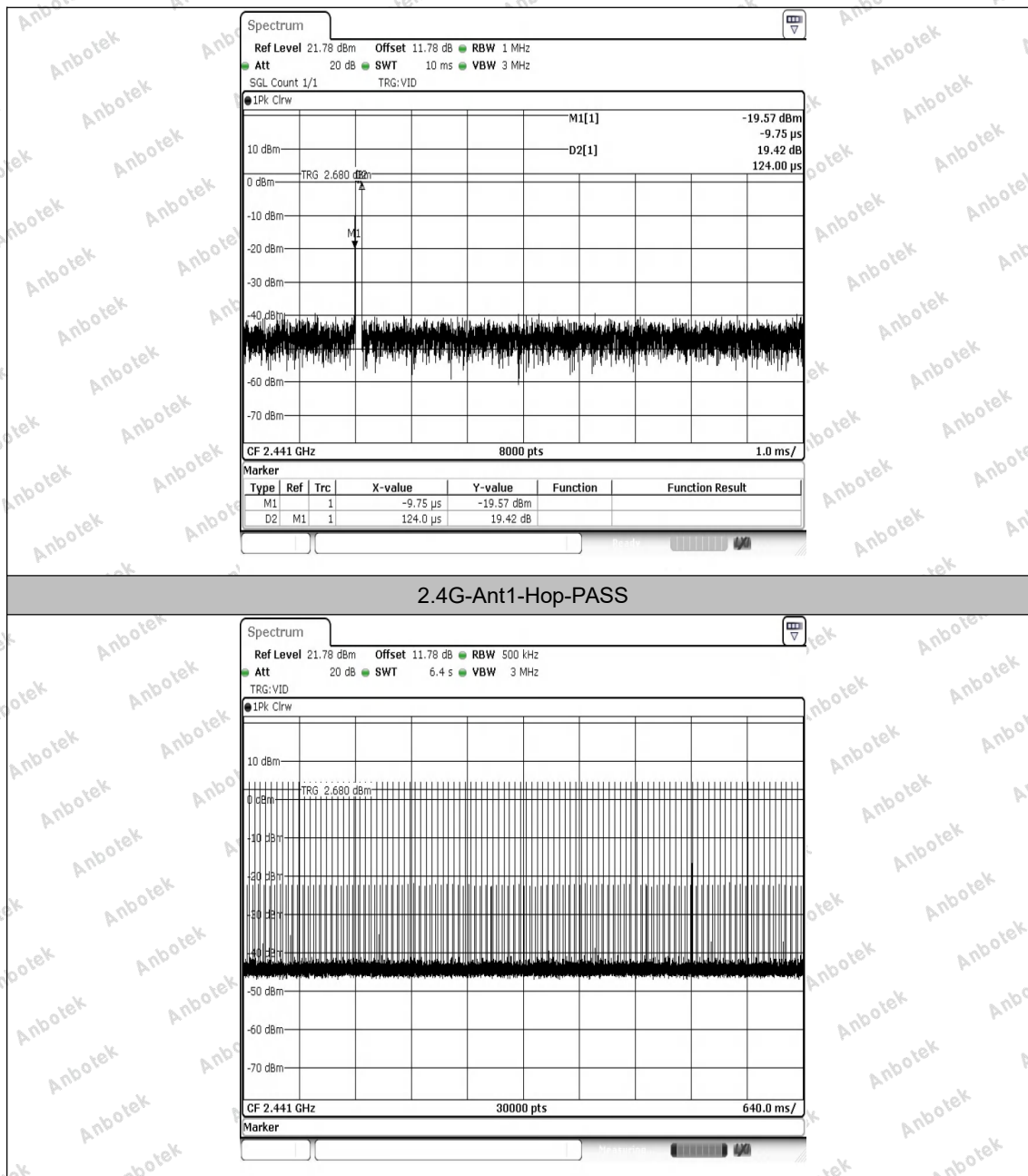


Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.124	101	0.013	≤0.4	PASS

Test Graphs

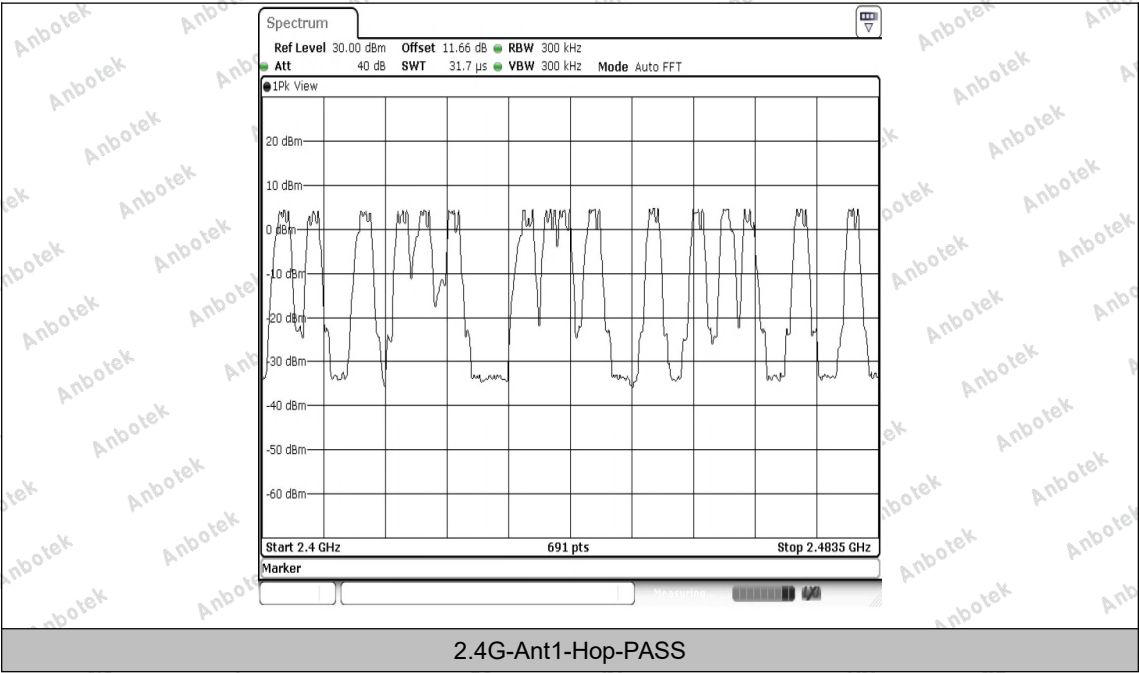


Appendix F: Number of hopping channels

Test Result

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

Test Graphs

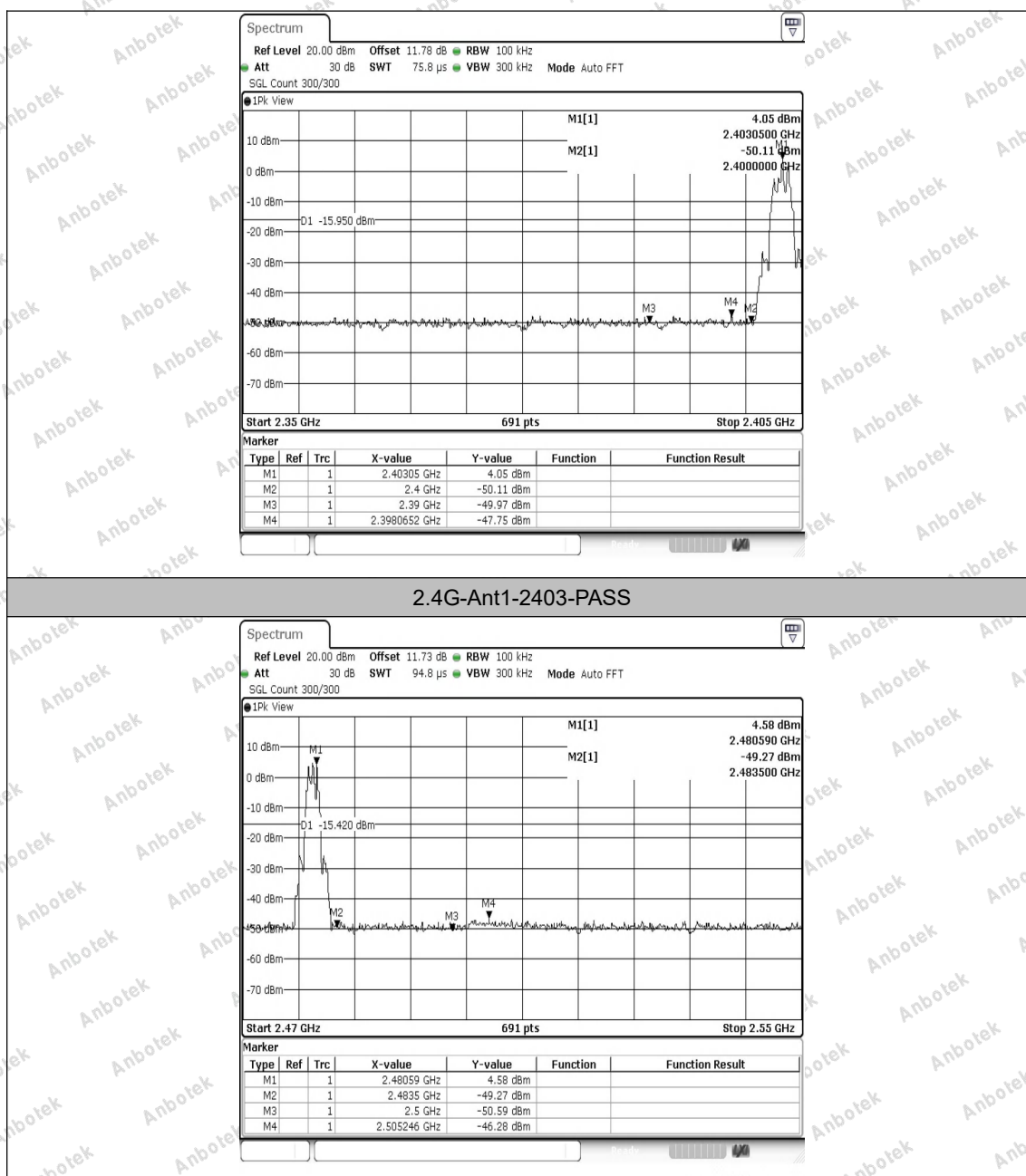


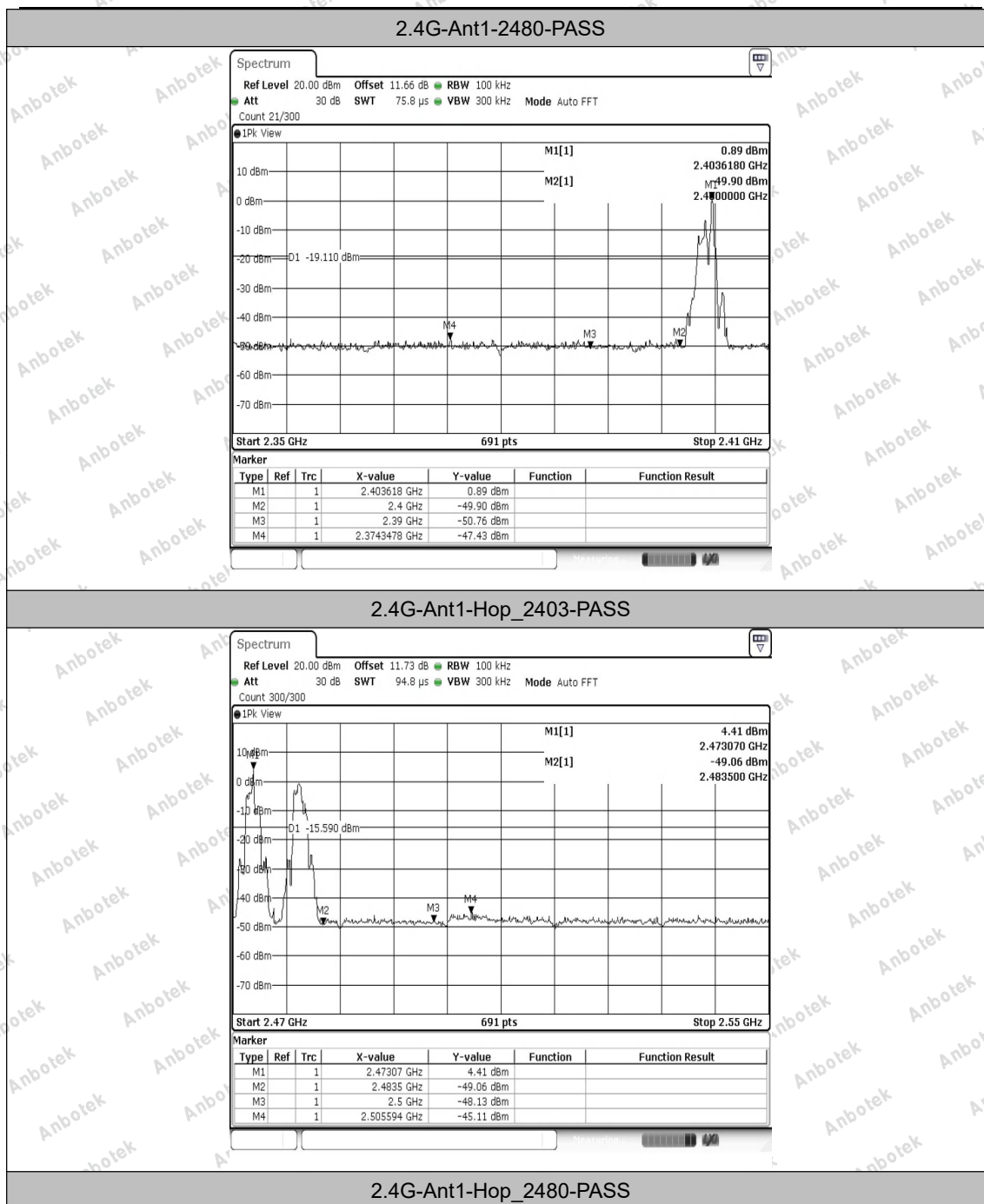
Appendix G: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	4.05	-47.75	≤-15.95	PASS
2.4G	Ant1	High	2480	4.58	-46.28	≤-15.42	PASS
2.4G	Ant1	Low	Hop_2403	0.89	-47.43	≤-19.11	PASS
2.4G	Ant1	High	Hop_2480	4.41	-45.11	≤-15.59	PASS

Test Graphs



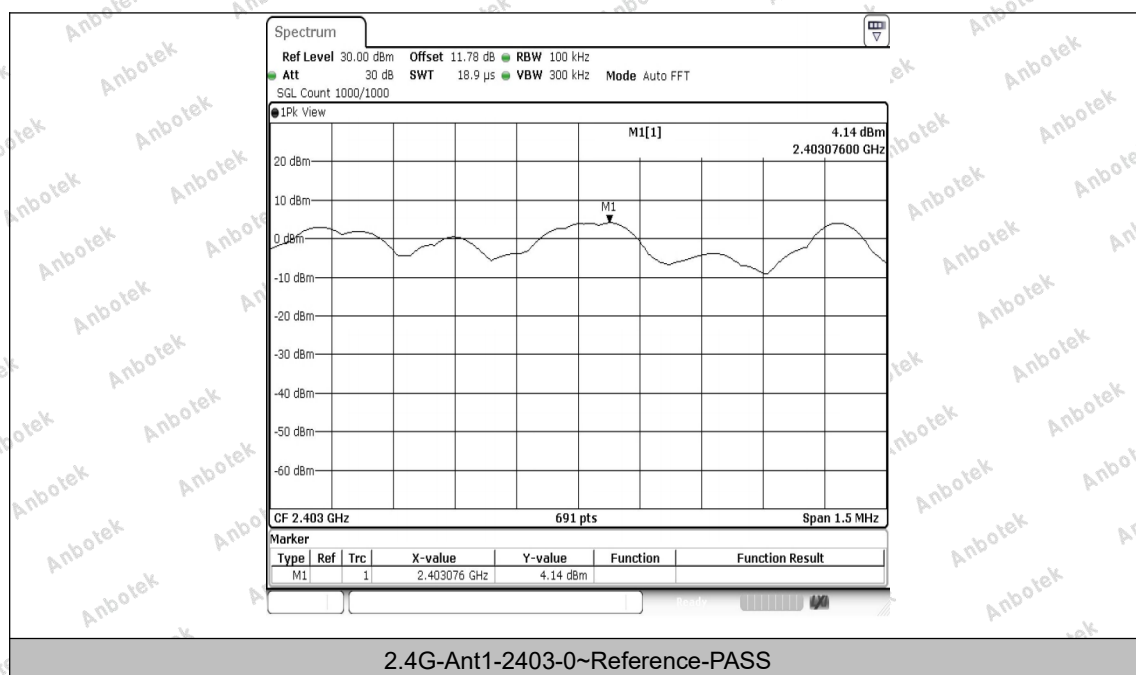


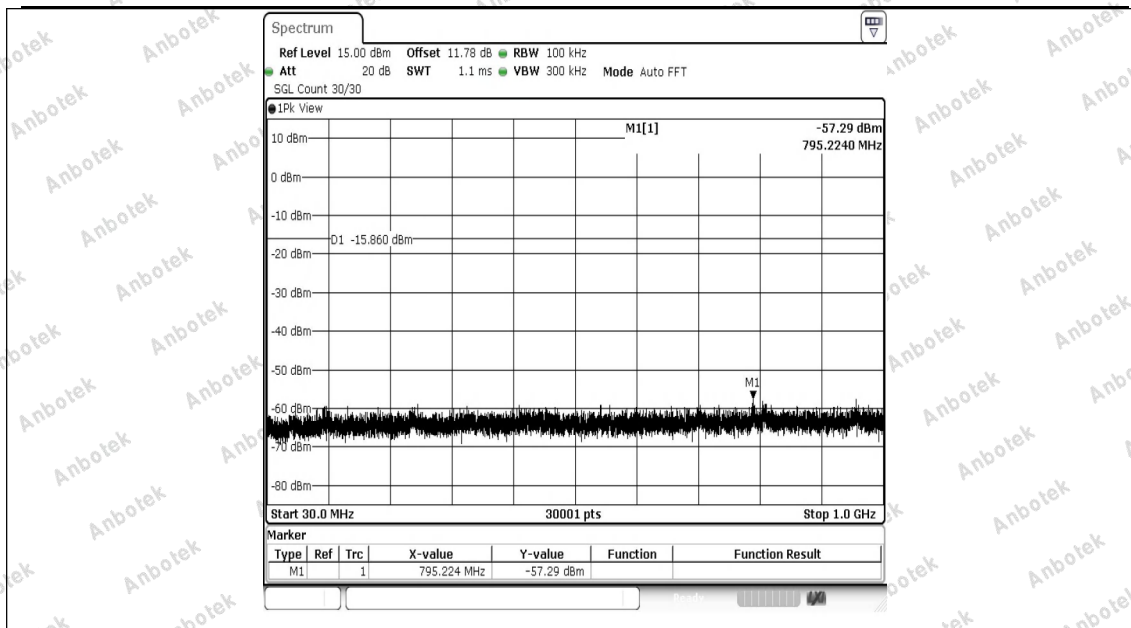
Appendix H: Conducted Spurious Emission

Test Result

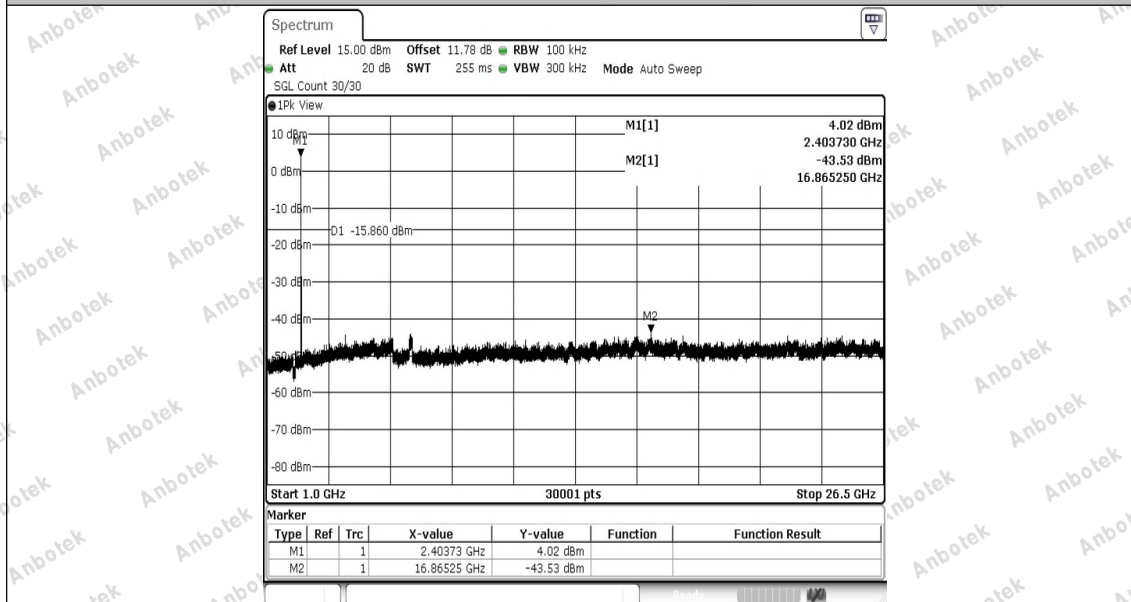
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	0~Reference	4.14	4.14	---	PASS
2.4G	Ant1	2403	30~1000	4.14	-57.29	≤-15.86	PASS
2.4G	Ant1	2403	1000~26500	4.14	-43.53	≤-15.86	PASS
2.4G	Ant1	2441	0~Reference	4.59	4.59	---	PASS
2.4G	Ant1	2441	30~1000	4.59	-57.76	≤-15.41	PASS
2.4G	Ant1	2441	1000~26500	4.59	-34.28	≤-15.41	PASS
2.4G	Ant1	2480	0~Reference	4.69	4.69	---	PASS
2.4G	Ant1	2480	30~1000	4.69	-58.41	≤-15.31	PASS
2.4G	Ant1	2480	1000~26500	4.69	-31.22	≤-15.31	PASS

Test Graphs



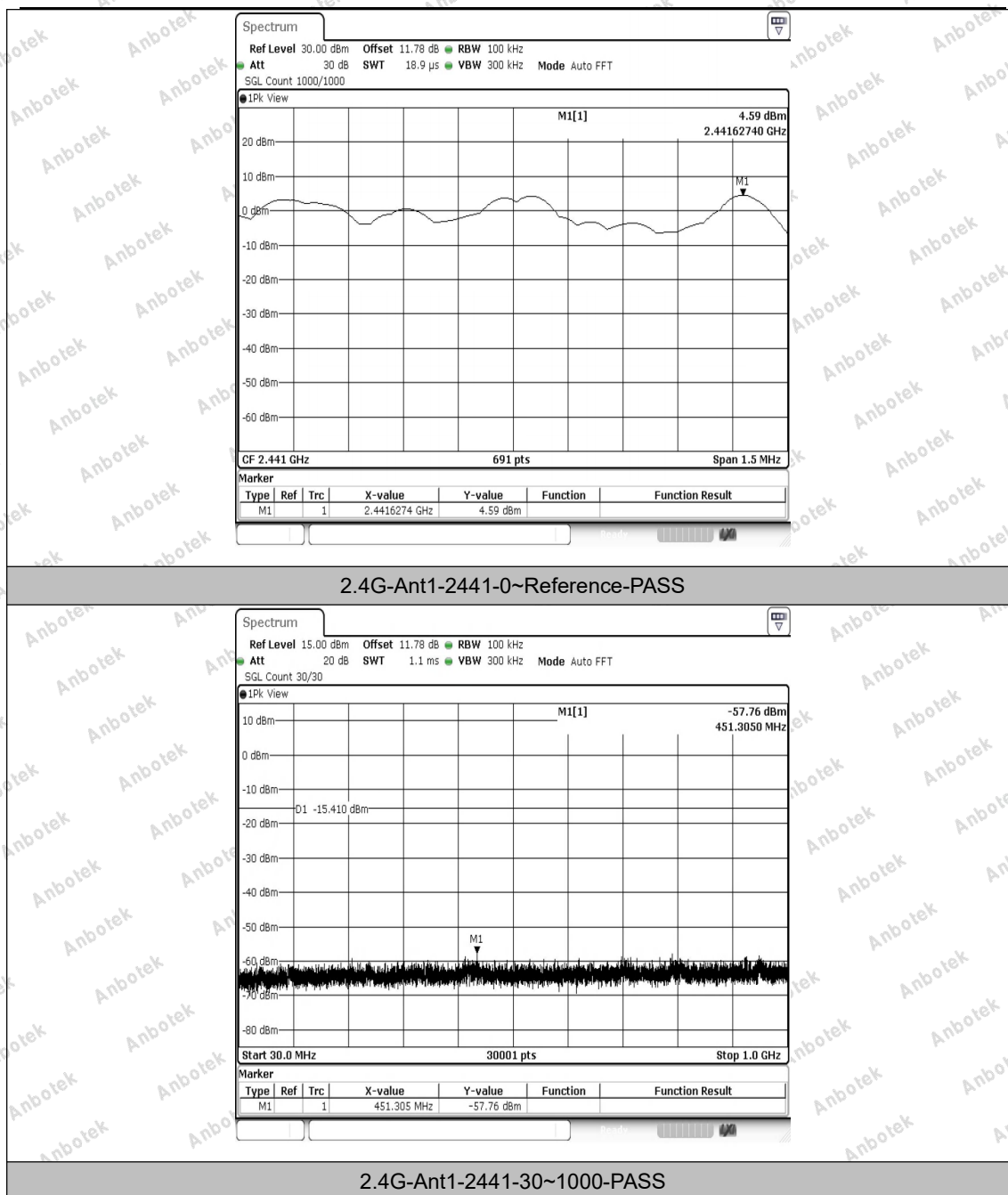


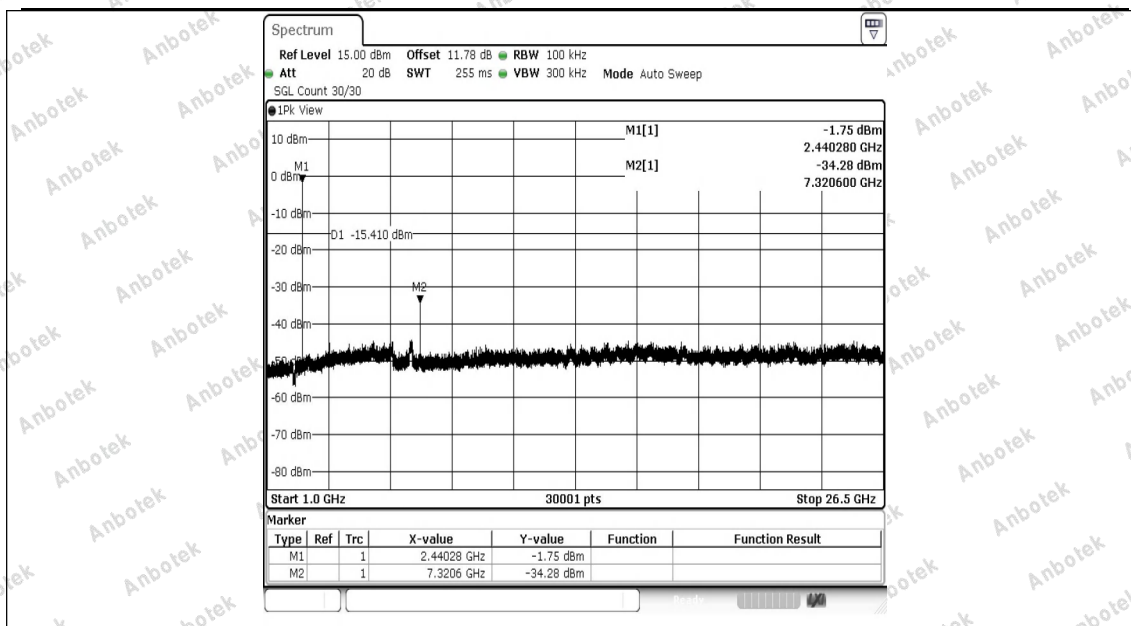
2.4G-Ant1-2403-30~1000-PASS



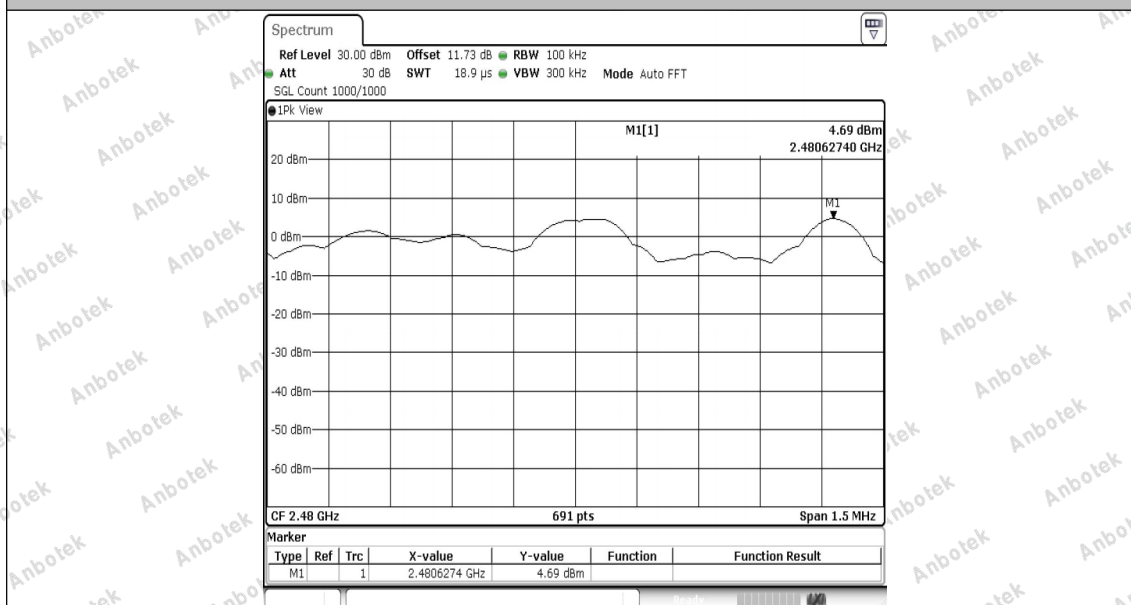
2.4G-Ant1-2403-1000~26500-PASS





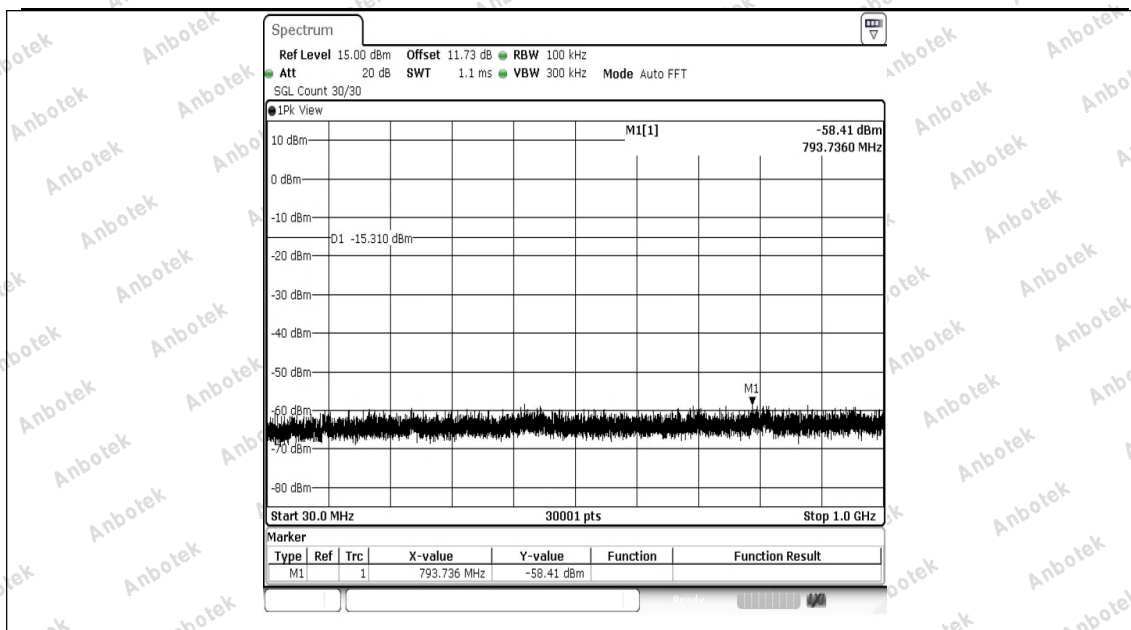


2.4G-Ant1-2441-1000~26500-PASS

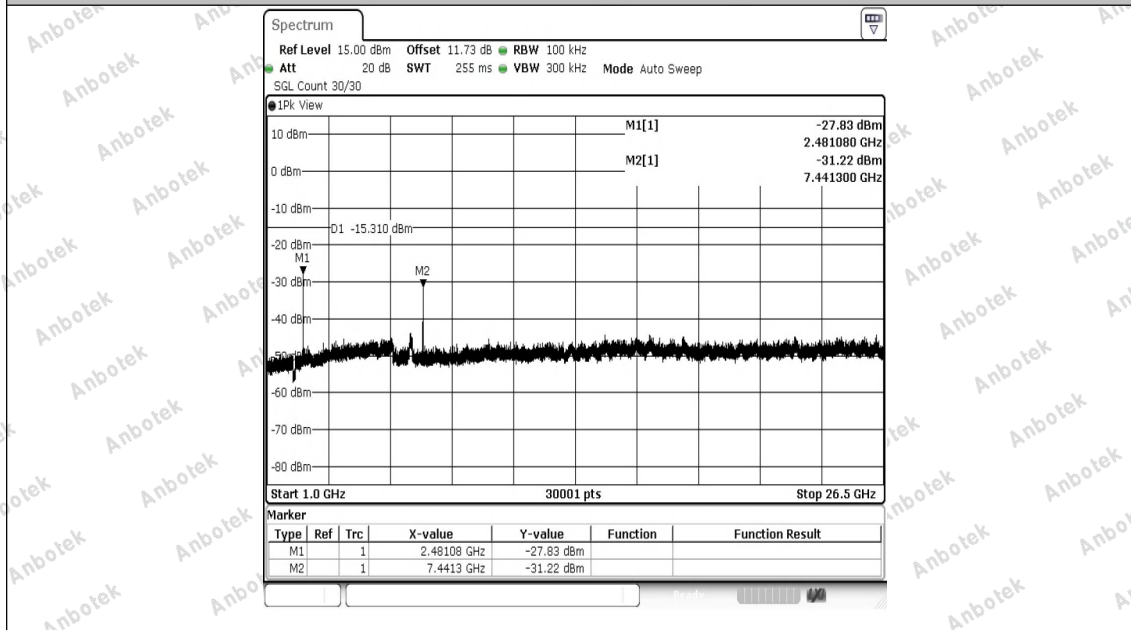


2.4G-Ant1-2480-0~Reference-PASS





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



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

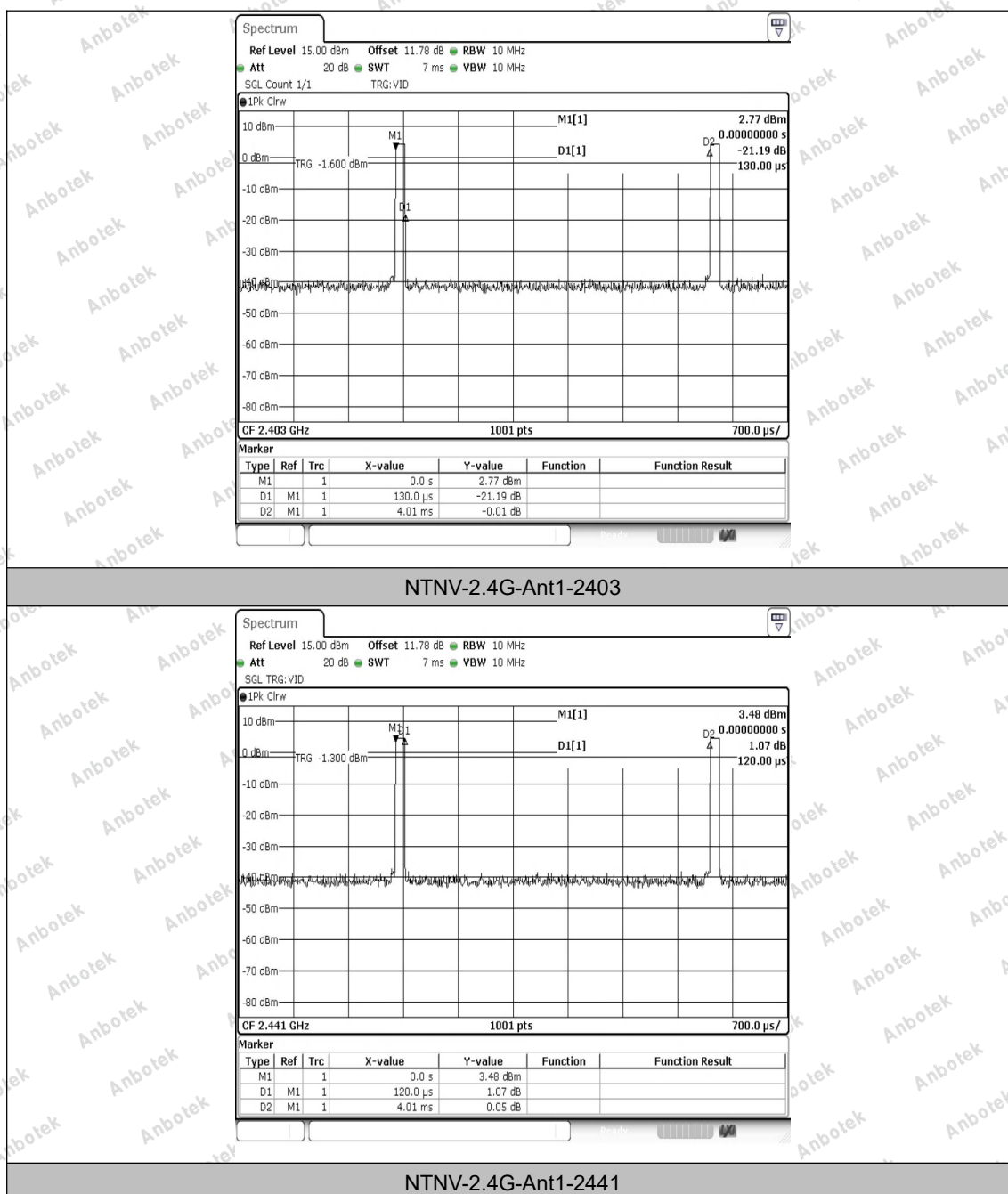


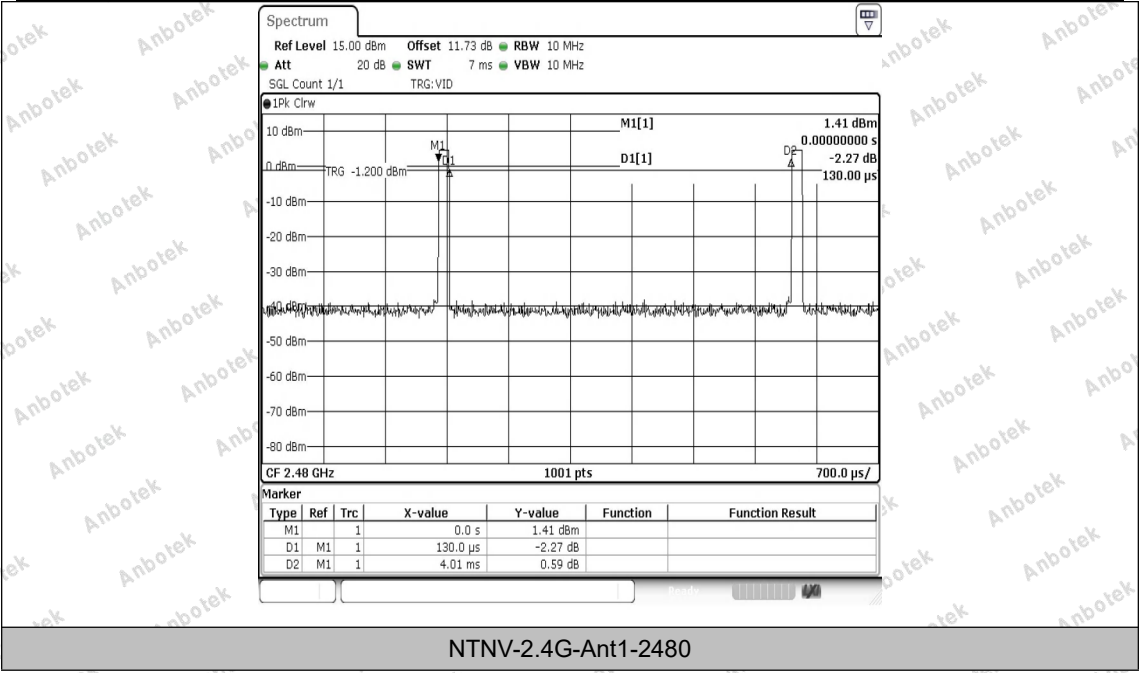
Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2403	0.13	4.01	3.24	14.89
2.4G	Ant1	2441	0.12	4.01	2.99	15.24
2.4G	Ant1	2480	0.13	4.01	3.24	14.89

Test Graphs





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