

Appendix Test Data

Report No:	18220WC40099402	Test Sample NO:	1-2-2
Start Test Date:	2024.6.20	Finish Test Date:	2024.6.20
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	26.3℃	Relative Humidity:	45%
Pressure:	101 kPa		

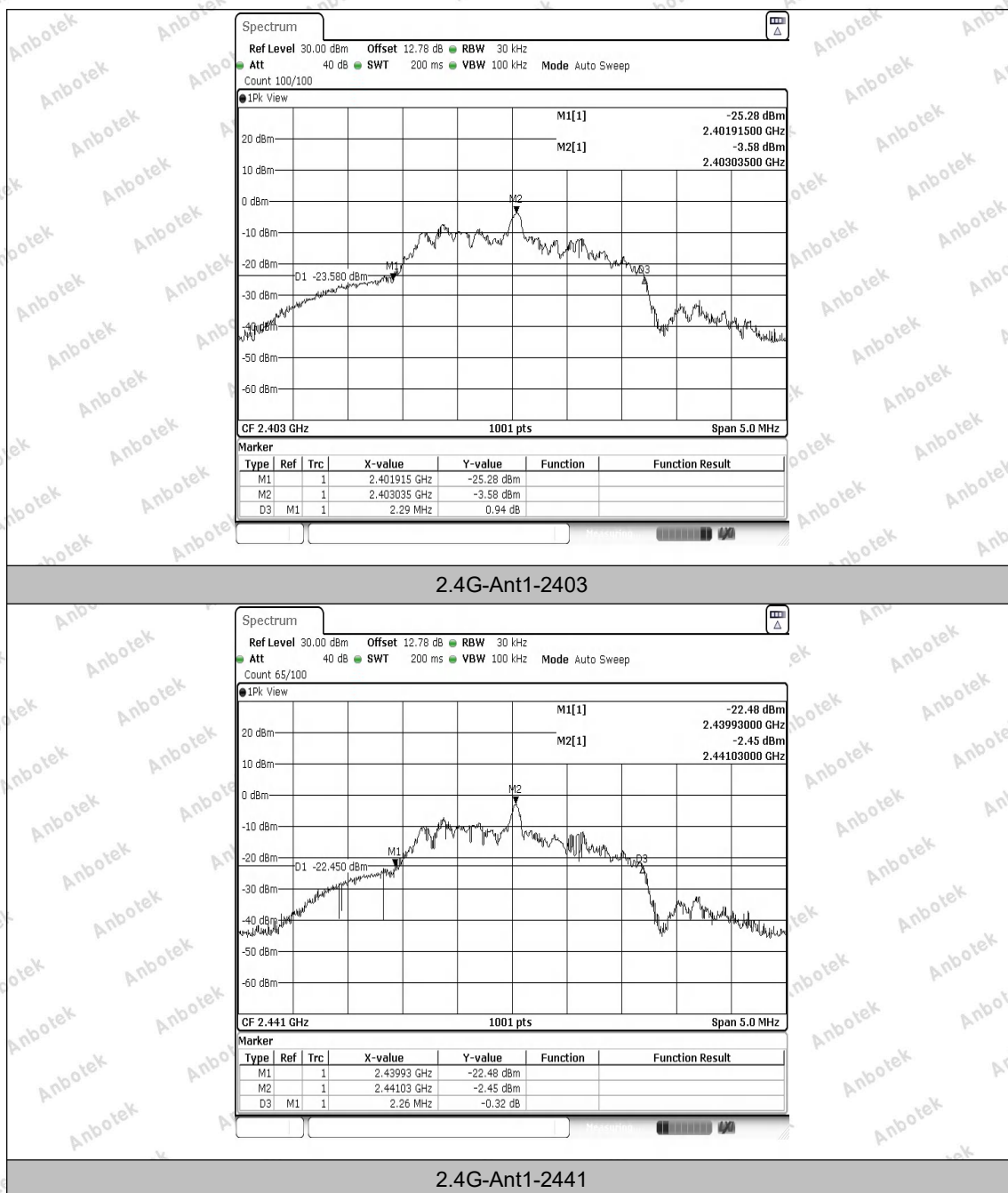
Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.29	2401.92	2404.21	---	---
2.4G	Ant1	2441	2.26	2439.93	2442.19	---	---
2.4G	Ant1	2480	2.25	2478.93	2481.18	---	---



Test Graphs



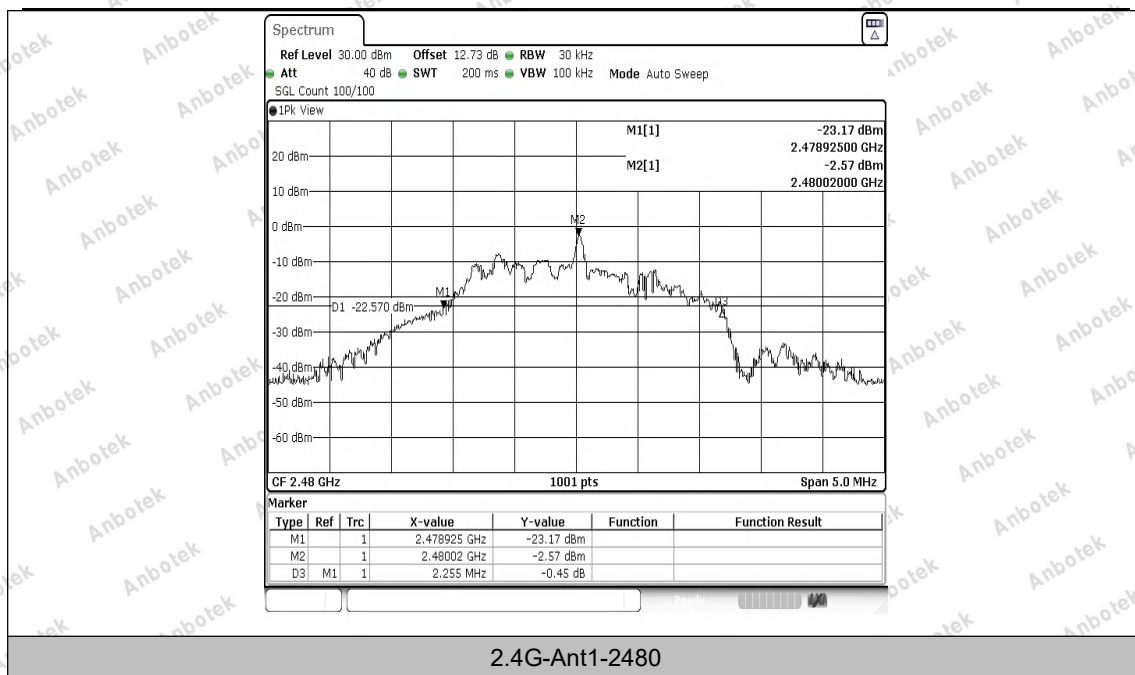
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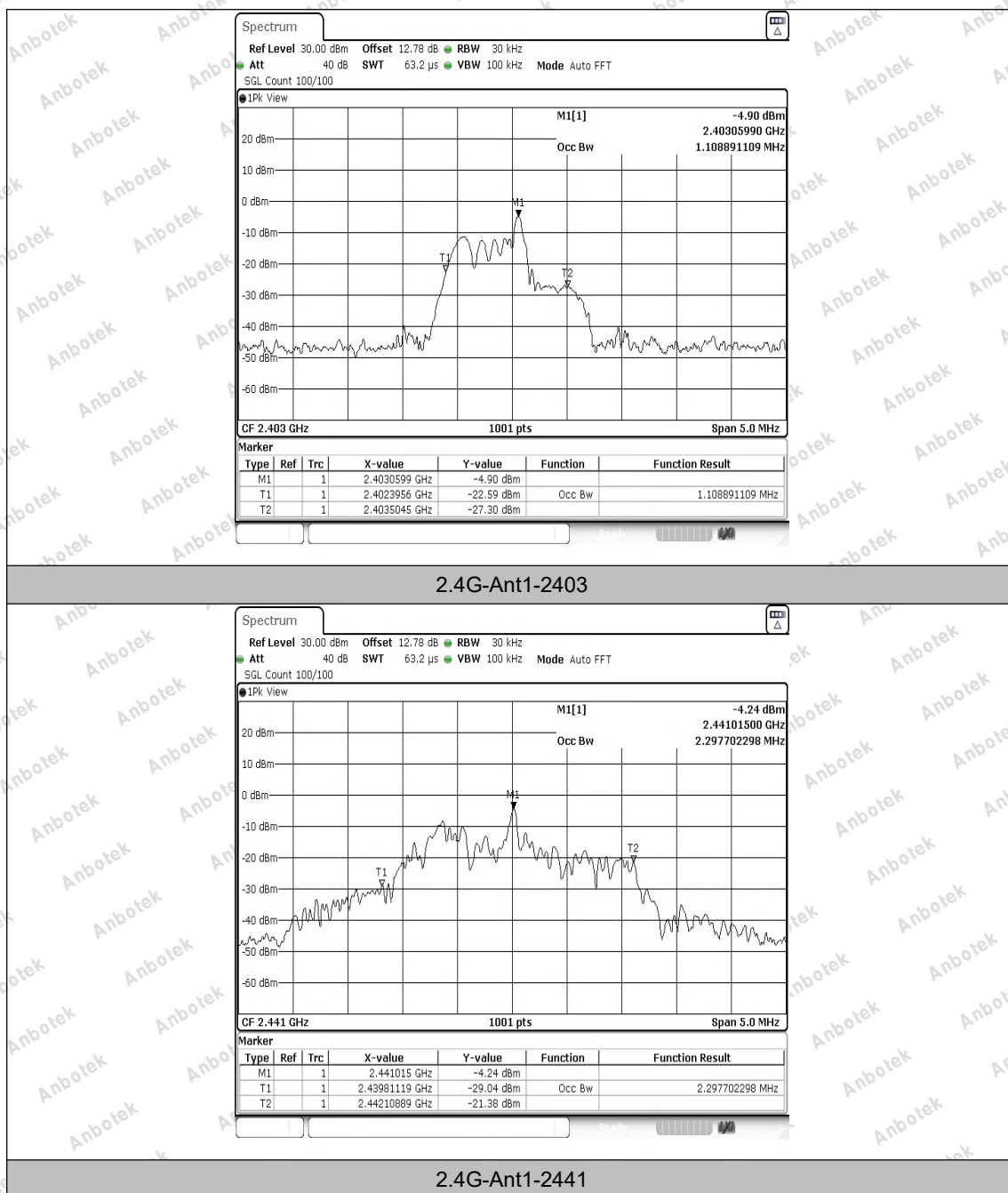
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	1.109	2402.3956	2403.5045	---	---
2.4G	Ant1	2441	2.298	2439.8112	2442.1089	---	---
2.4G	Ant2	2480	2.178	2478.9810	2481.1588	---	---



Test Graphs





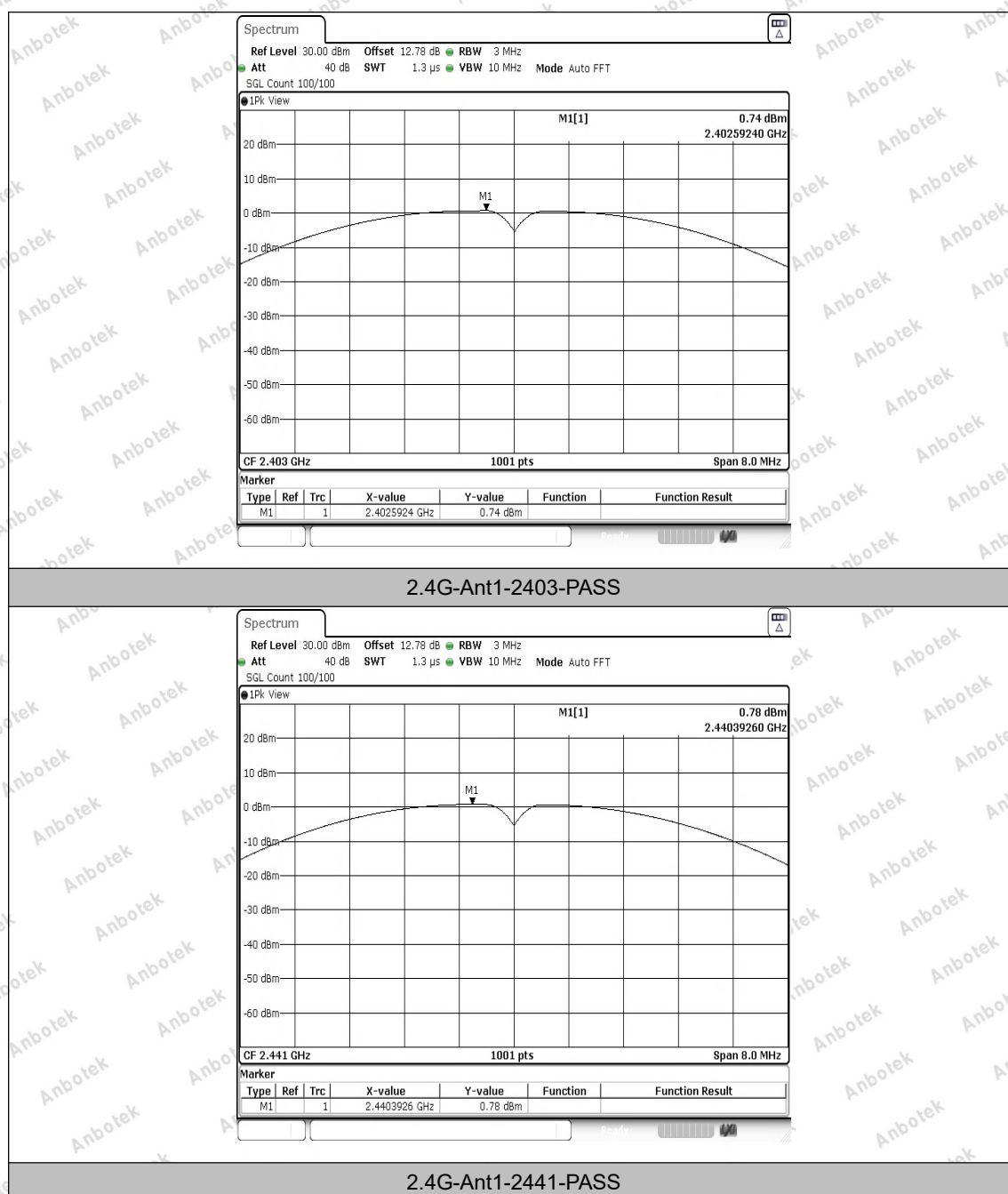
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	0.74	≤20.97	PASS
2.4G	Ant1	2441	0.78	≤20.97	PASS
2.4G	Ant1	2480	0.07	≤20.97	PASS



Test Graphs



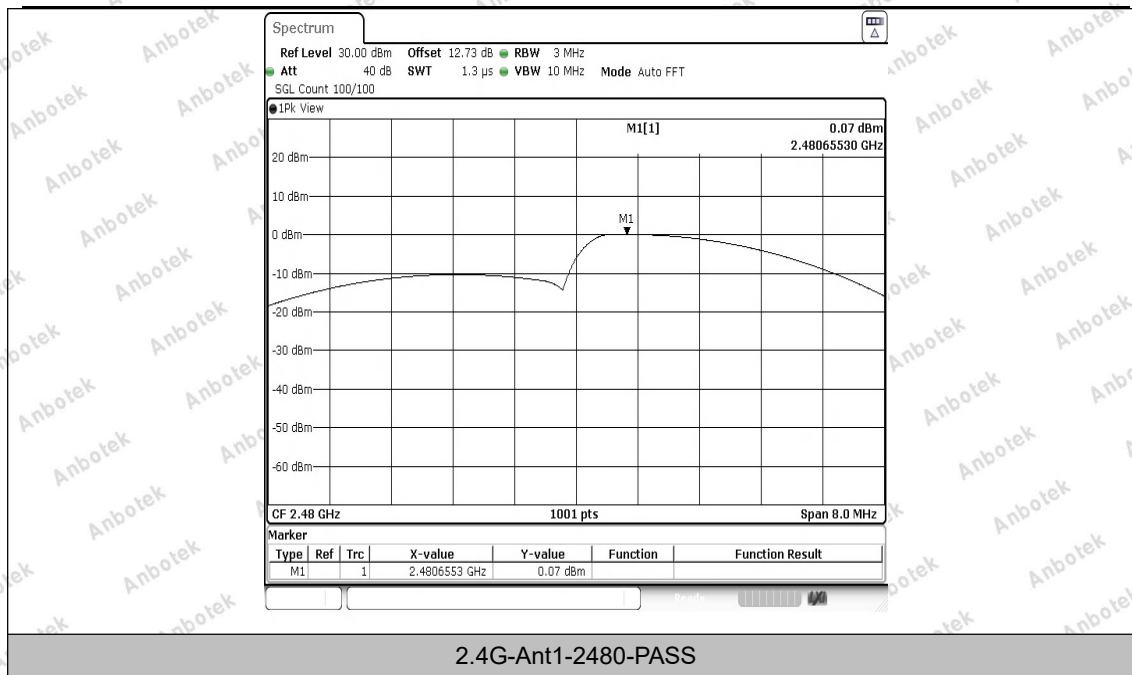
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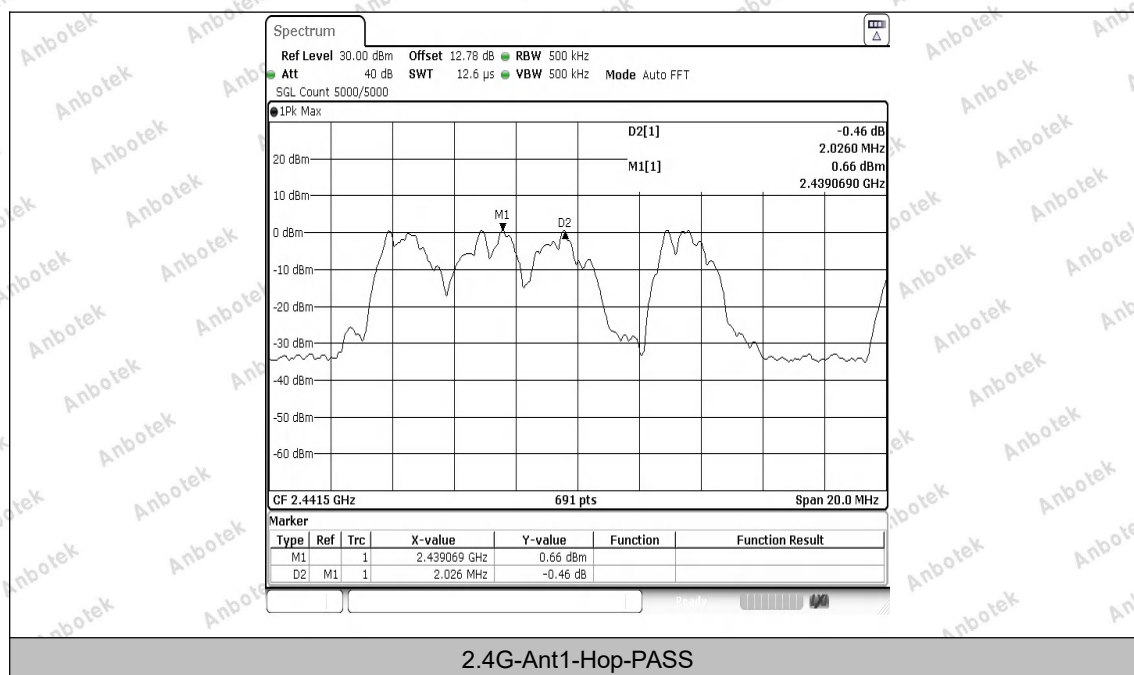


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.026	≥1.527	PASS

Test Graphs

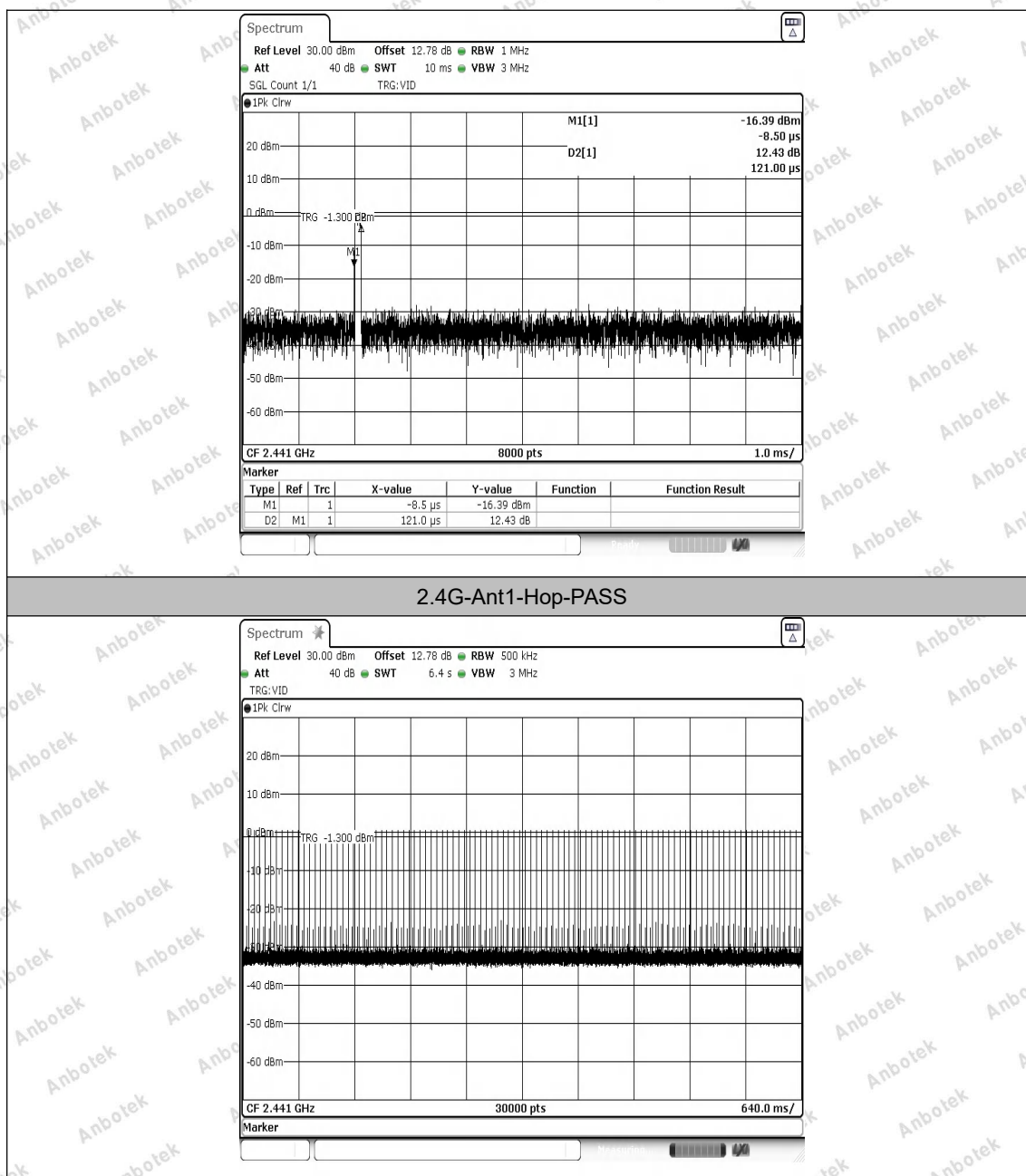


Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.121	1010	0.122	≤0.4	PASS

Test Graphs

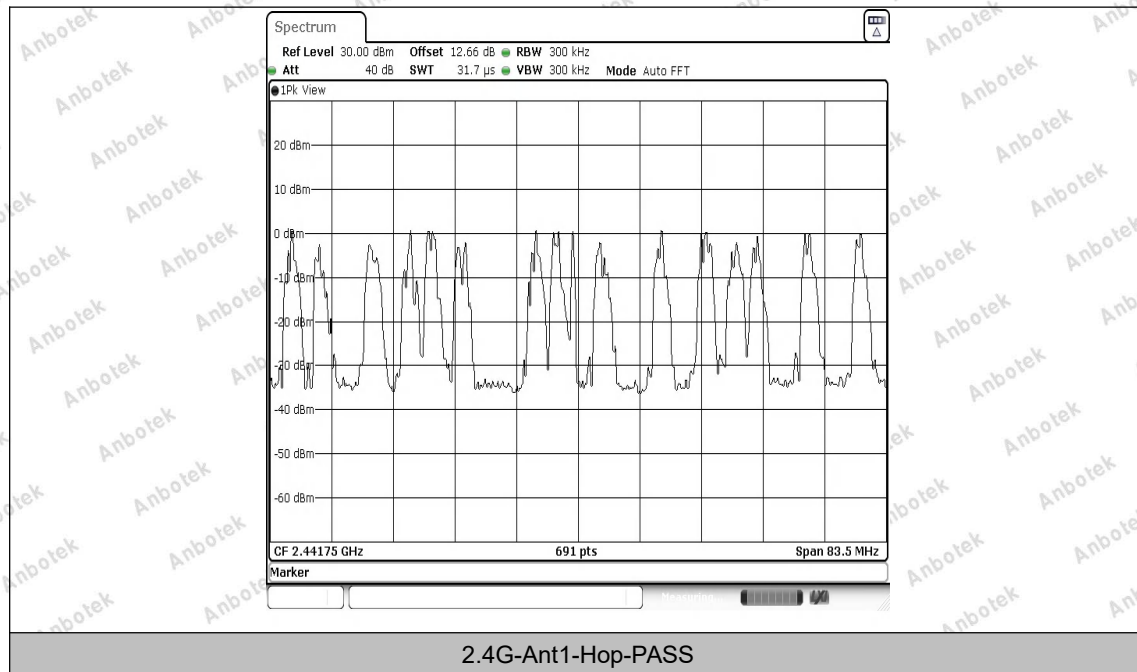


Appendix F: Number of hopping channels

Test Result

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

Test Graphs



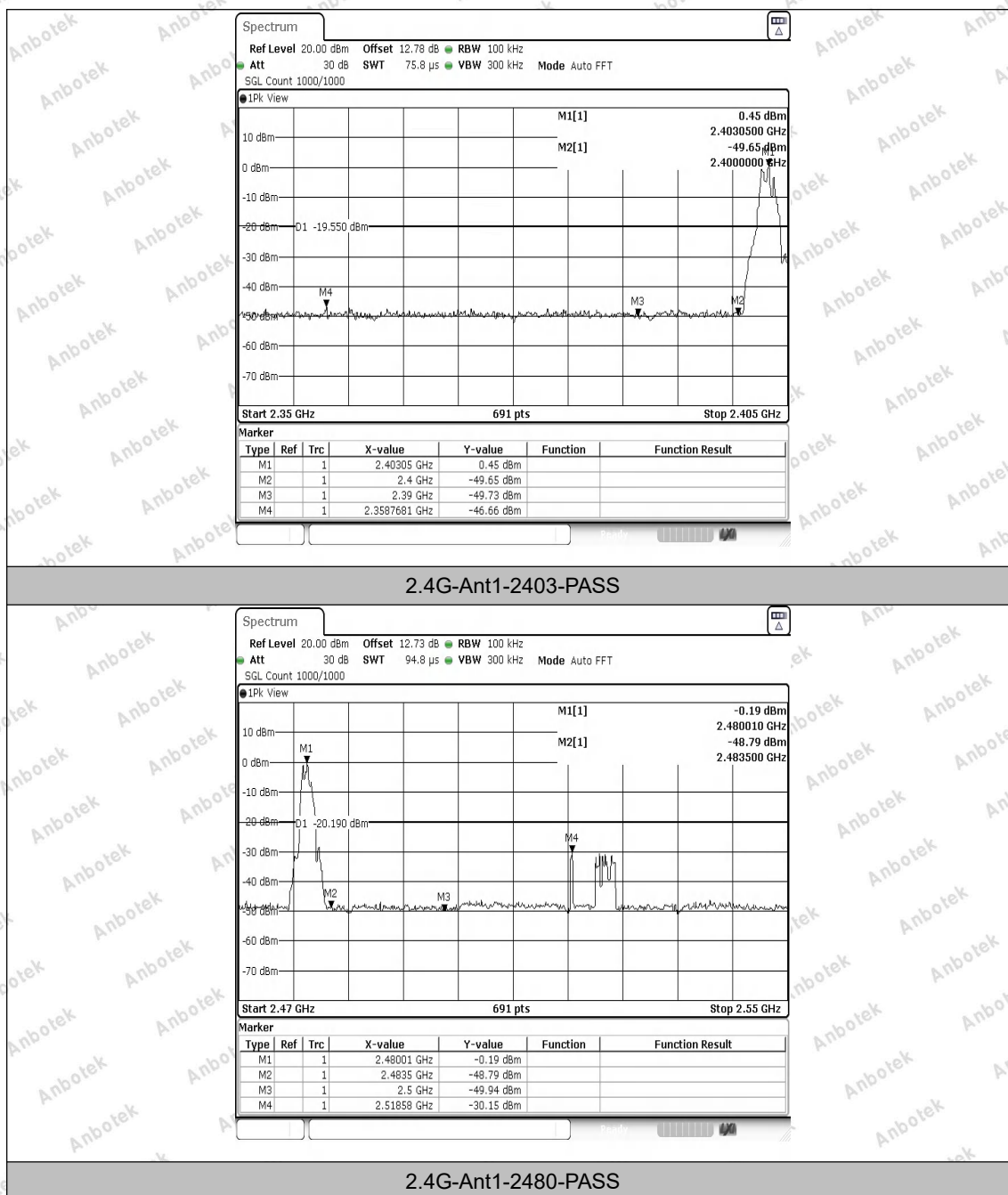
Appendix G: Band edge measurements

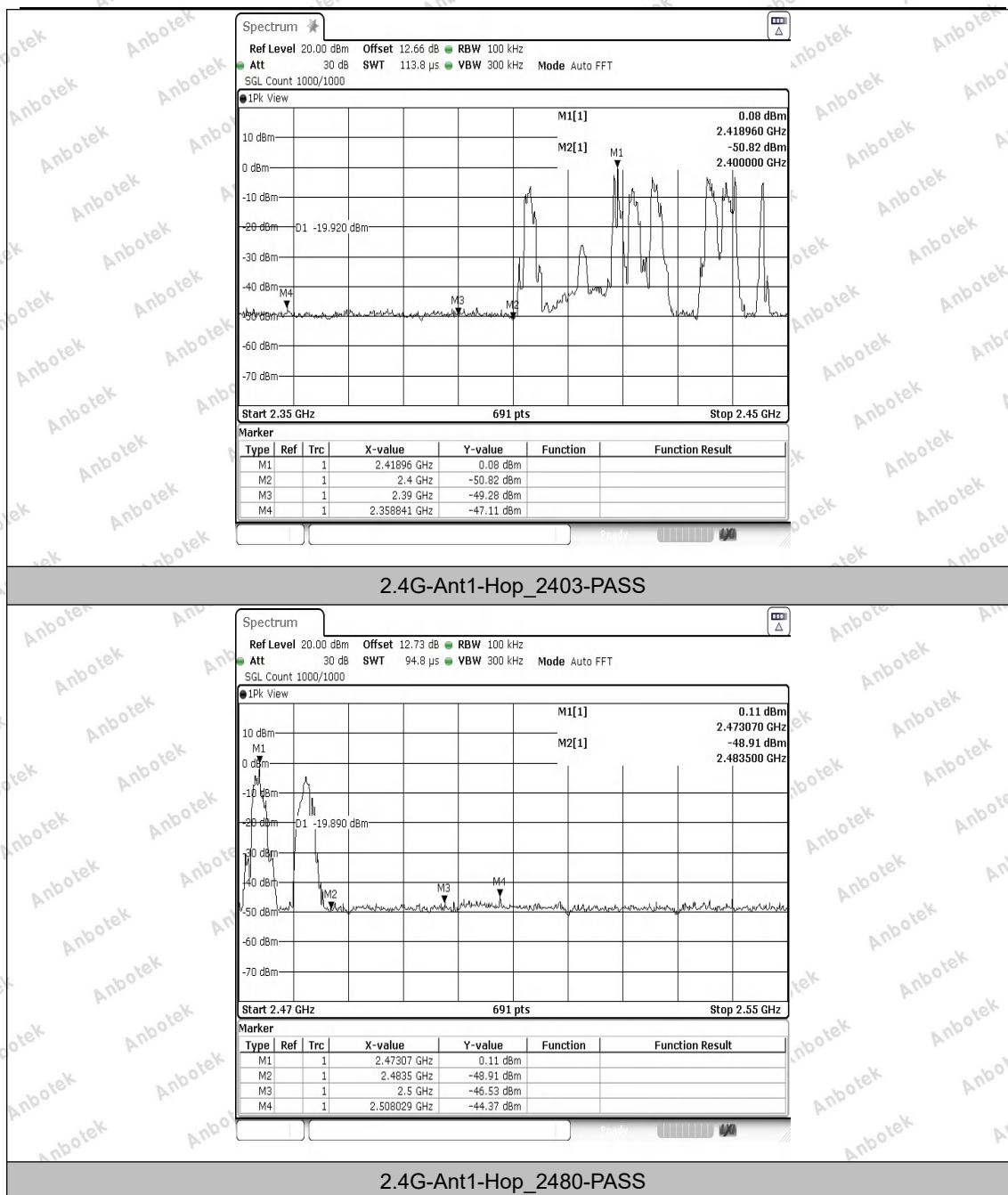
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	0.45	-46.66	≤-19.55	PASS
2.4G	Ant1	High	2480	-0.19	-30.15	≤-20.19	PASS
2.4G	Ant1	Low	Hop_2403	0.08	-47.11	≤-19.92	PASS
2.4G	Ant1	High	Hop_2480	0.11	-44.37	≤-19.89	PASS



Test Graphs





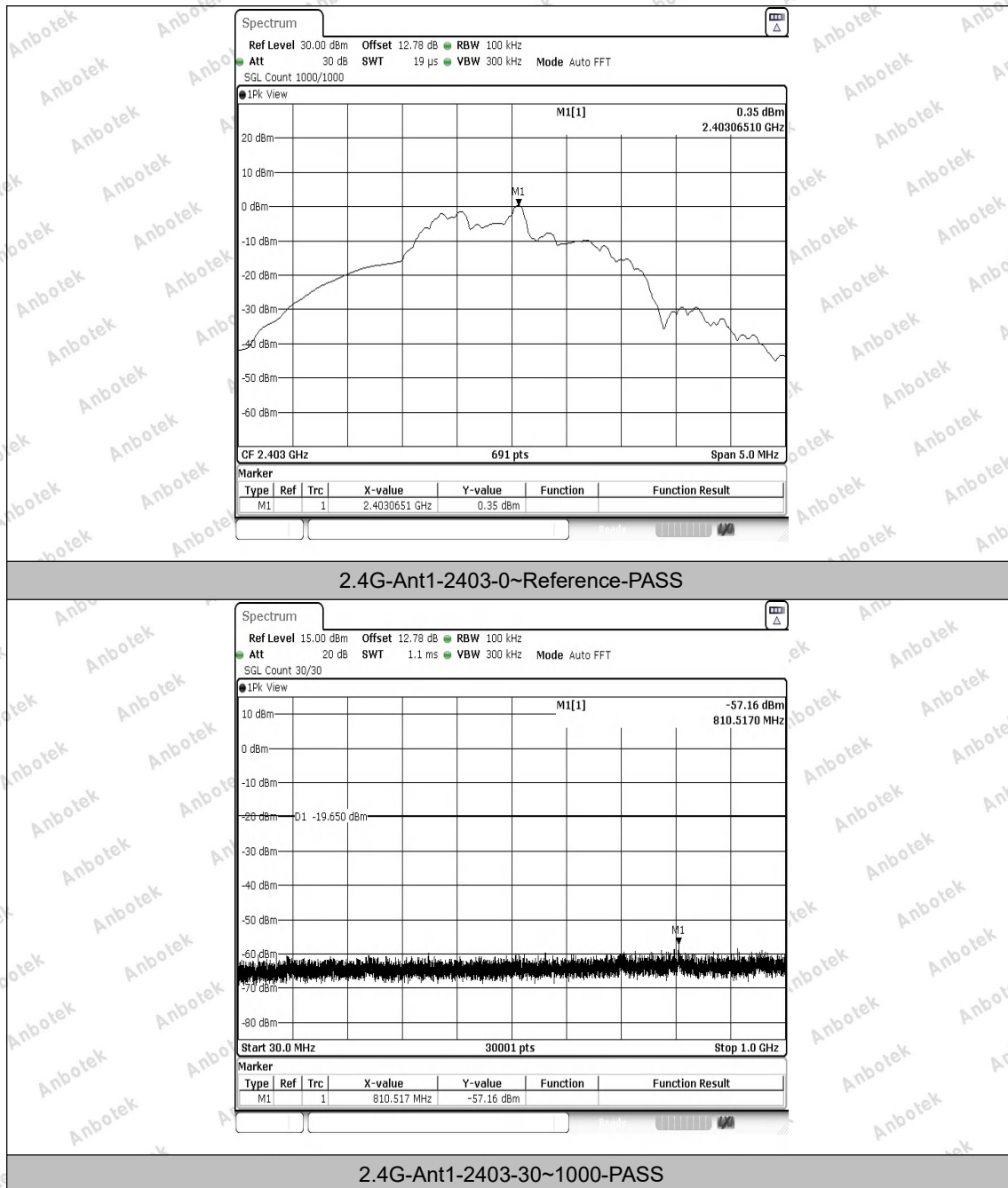
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	0~Reference	0.35	0.35	---	PASS
2.4G	Ant1	2403	30~1000	0.35	-57.16	≤-19.65	PASS
2.4G	Ant1	2403	1000~26500	0.35	-50.49	≤-19.65	PASS
2.4G	Ant1	2441	0~Reference	0.43	0.43	---	PASS
2.4G	Ant1	2441	30~1000	0.43	-58.38	≤-19.57	PASS
2.4G	Ant1	2441	1000~26500	0.43	-50.61	≤-19.57	PASS
2.4G	Ant1	2480	0~Reference	-0.25	-0.25	---	PASS
2.4G	Ant1	2480	30~1000	-0.25	-56.1	≤-20.25	PASS
2.4G	Ant1	2480	1000~26500	-0.25	-50.14	≤-20.25	PASS



Test Graphs



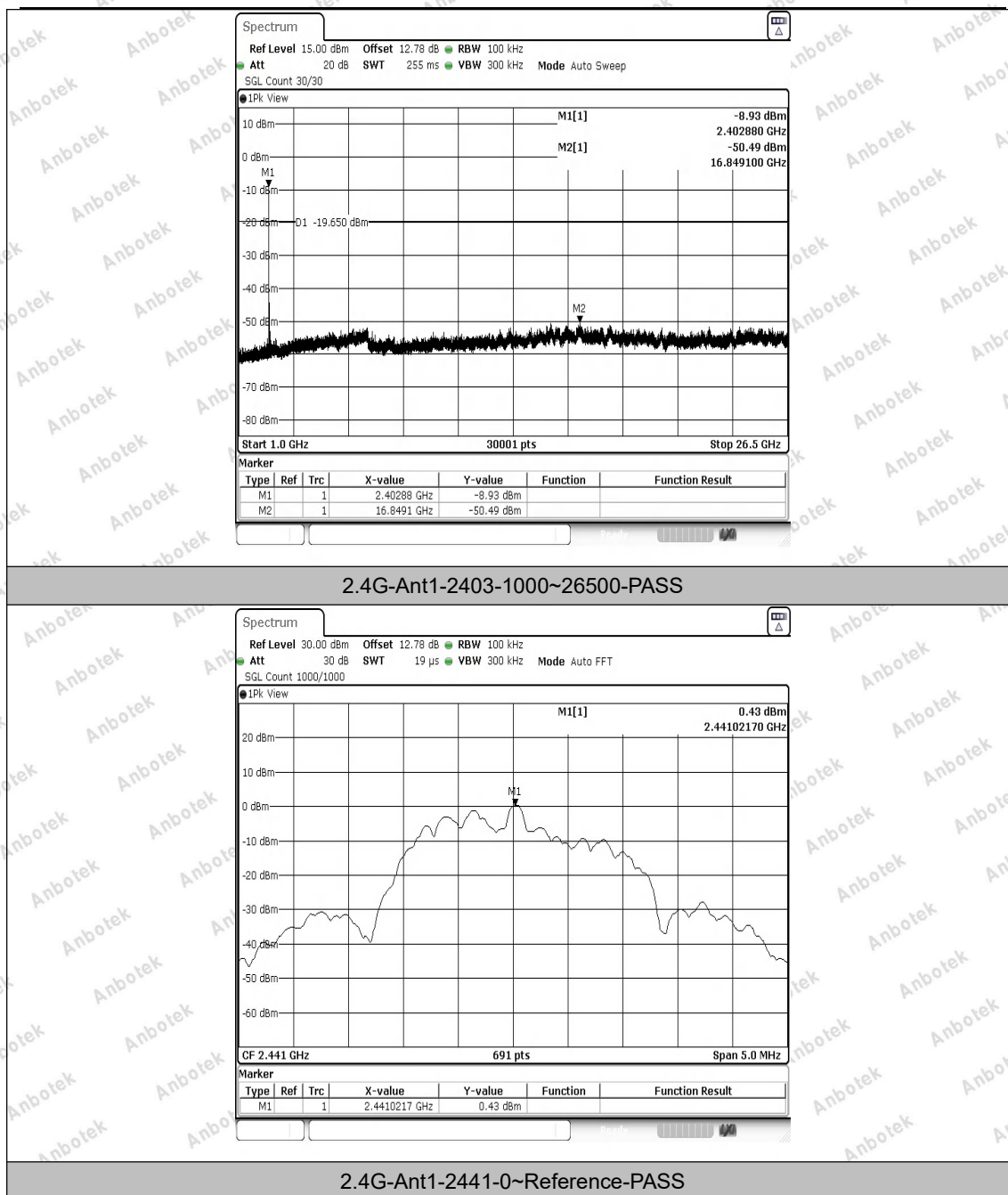
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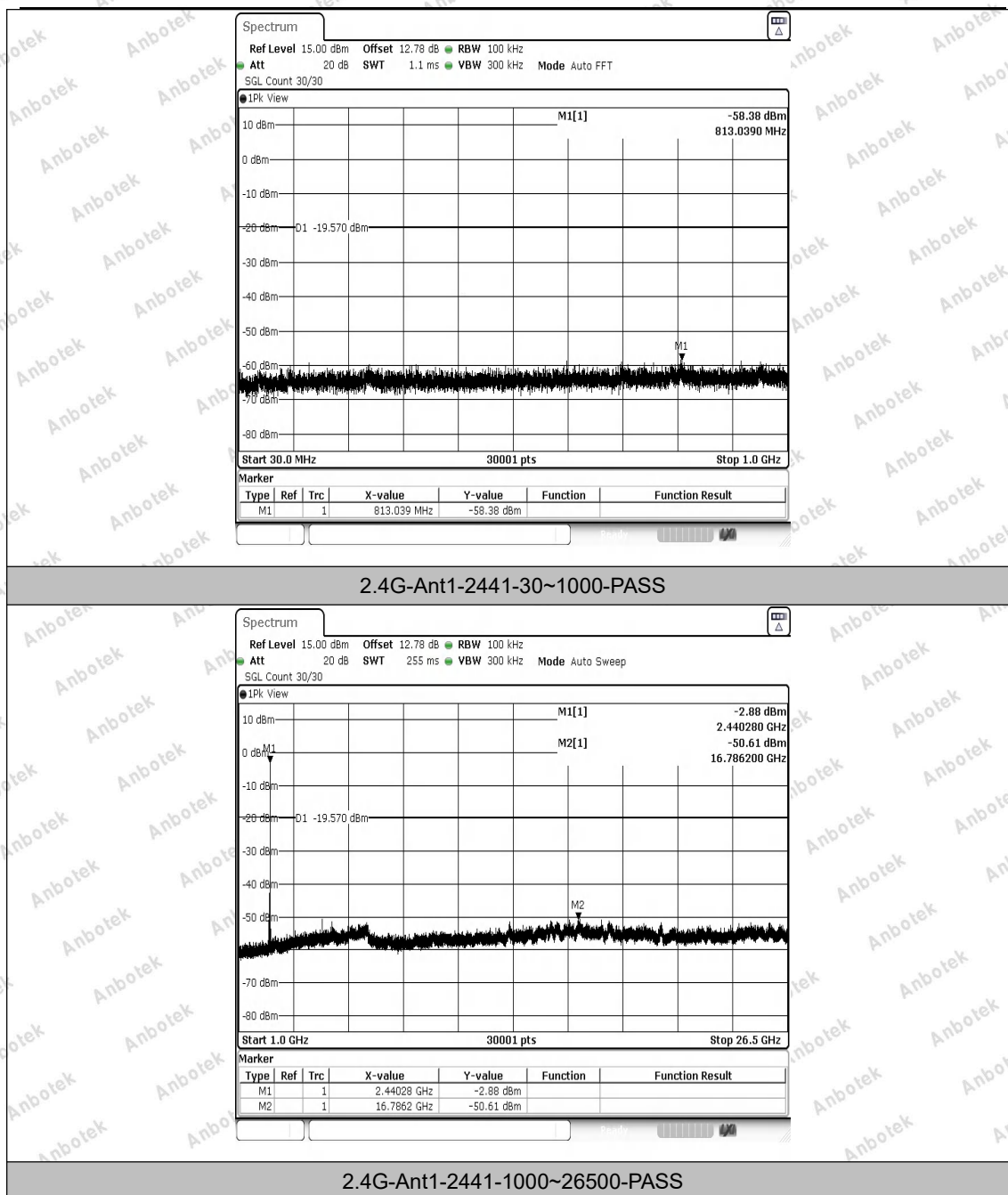
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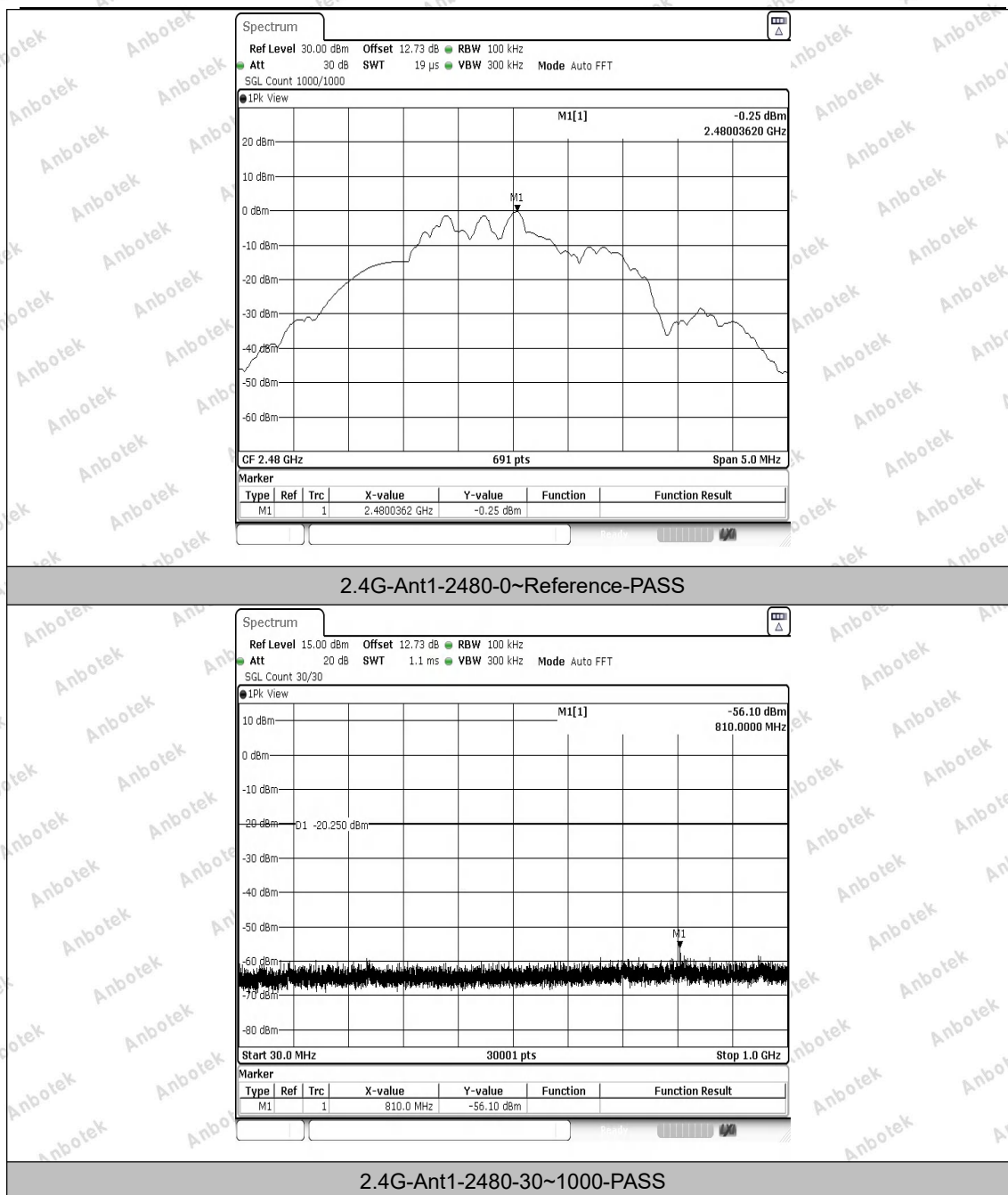


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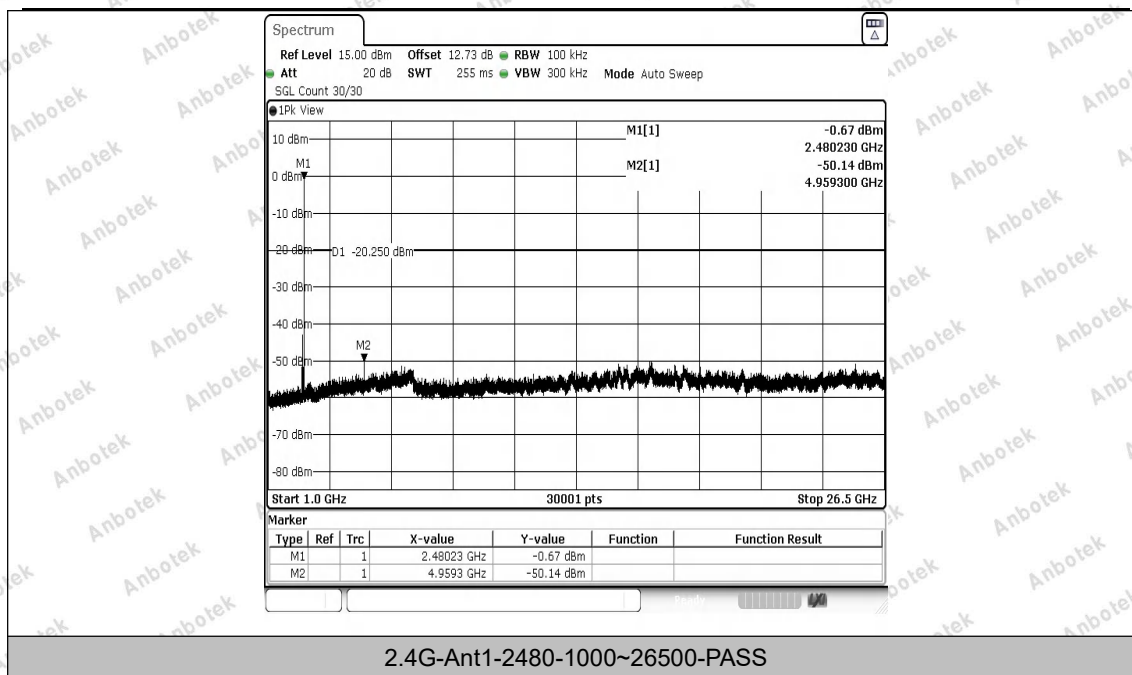
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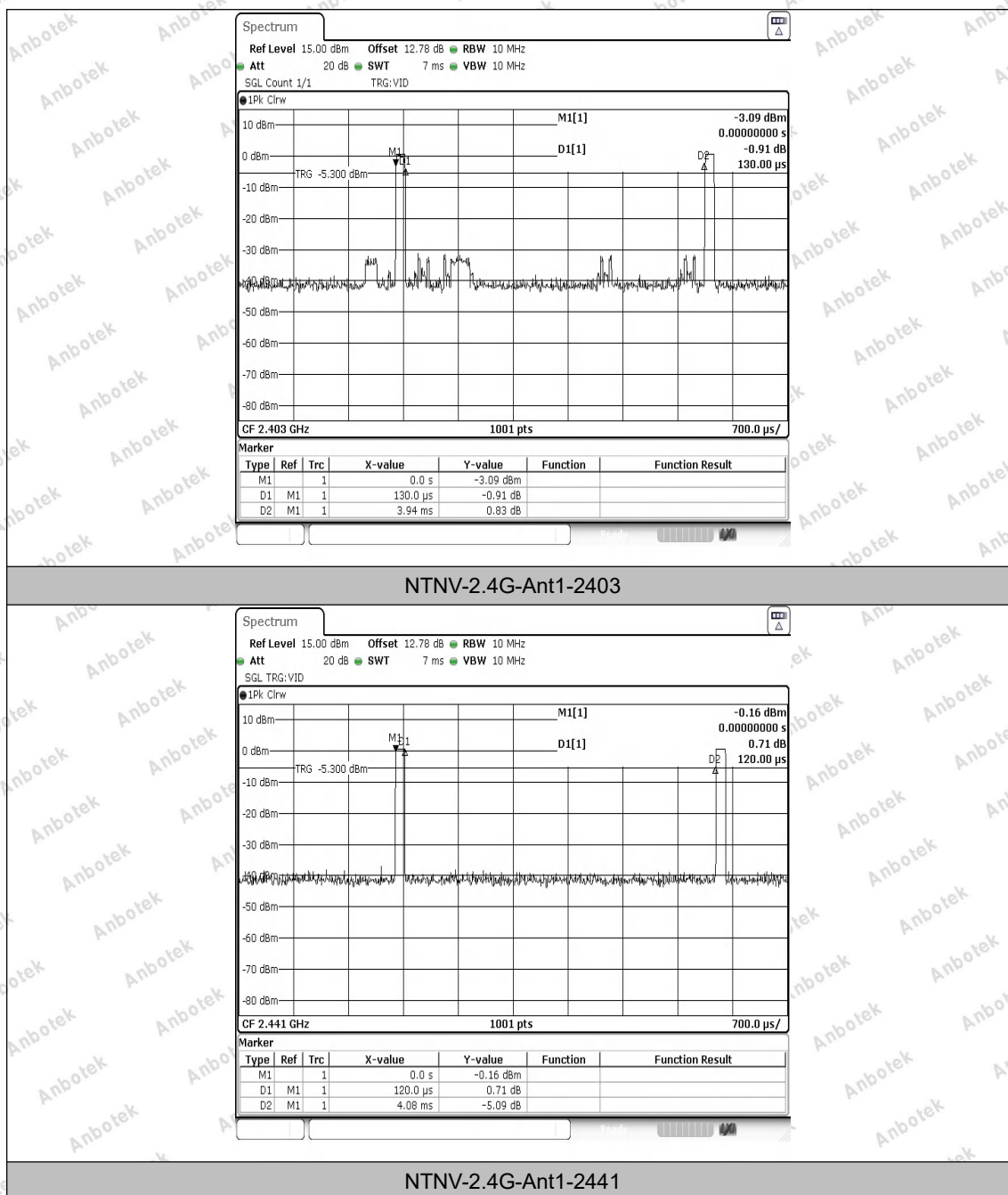
Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[M Hz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2403	0.13	3.94	3.30	14.81
2.4G	Ant1	2441	0.12	4.08	2.94	15.32
2.4G	Ant1	2480	0.13	3.94	3.30	14.81



Test Graphs



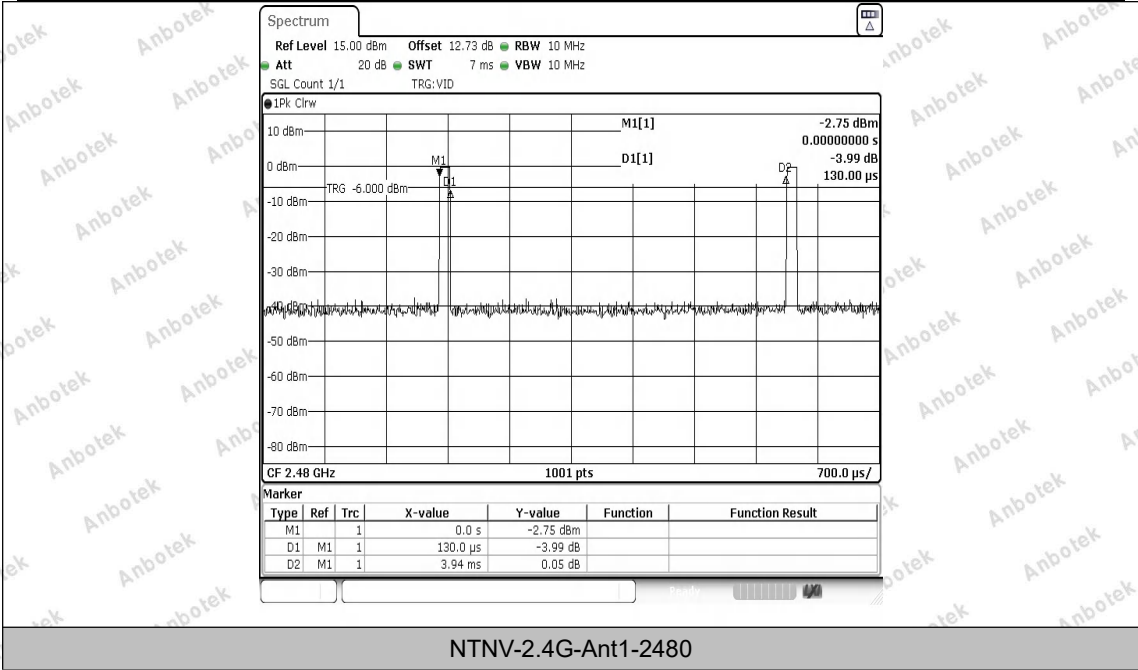
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