

Appendix Test Data

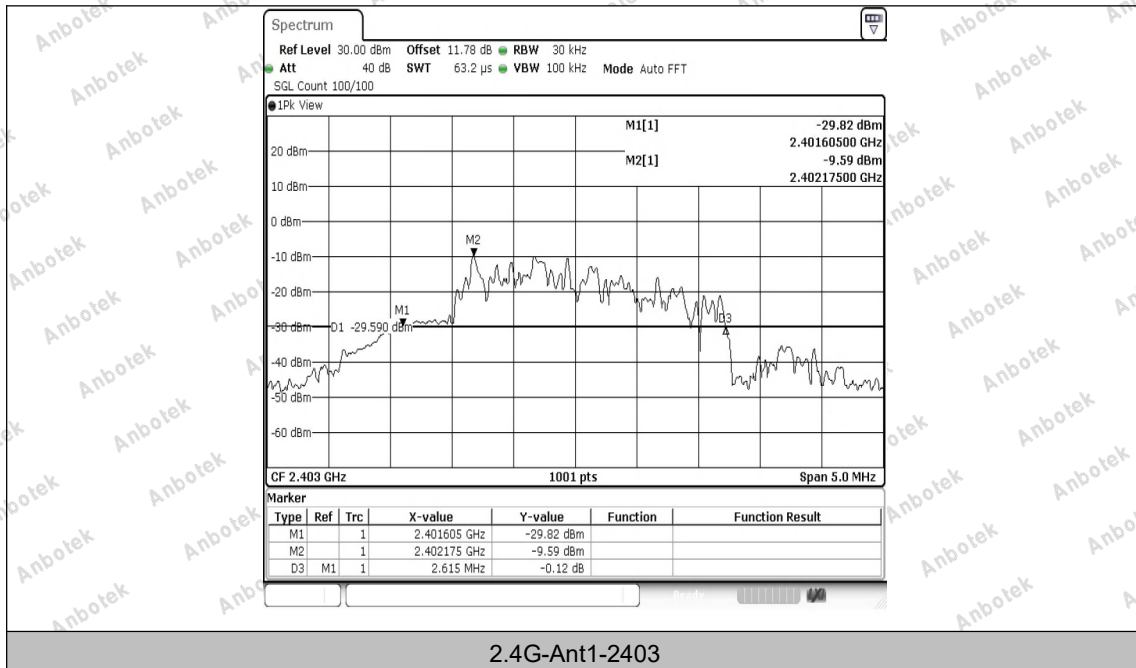
Report No:	1812C40065512502	Test Sample NO:	1-2-2
Start Test Date:	2024.9.10	Finish Test Date:	2024.9.10
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	22.1°C	Relative Humidity:	48%
Pressure:	101 kPa		

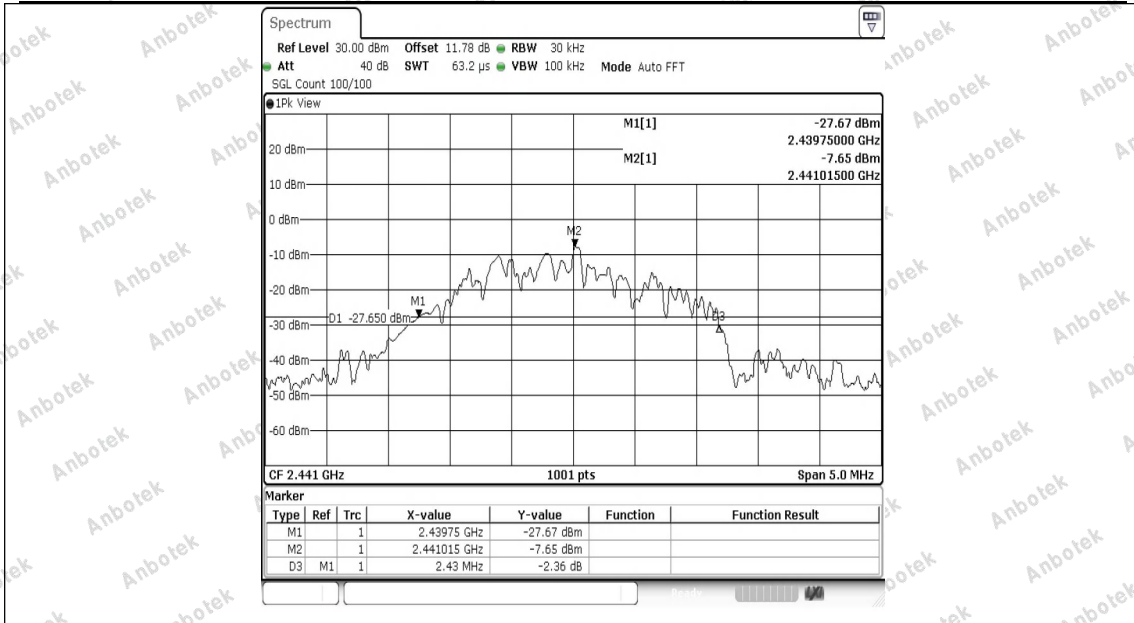
Appendix A: 20dB Emission Bandwidth

Test Result

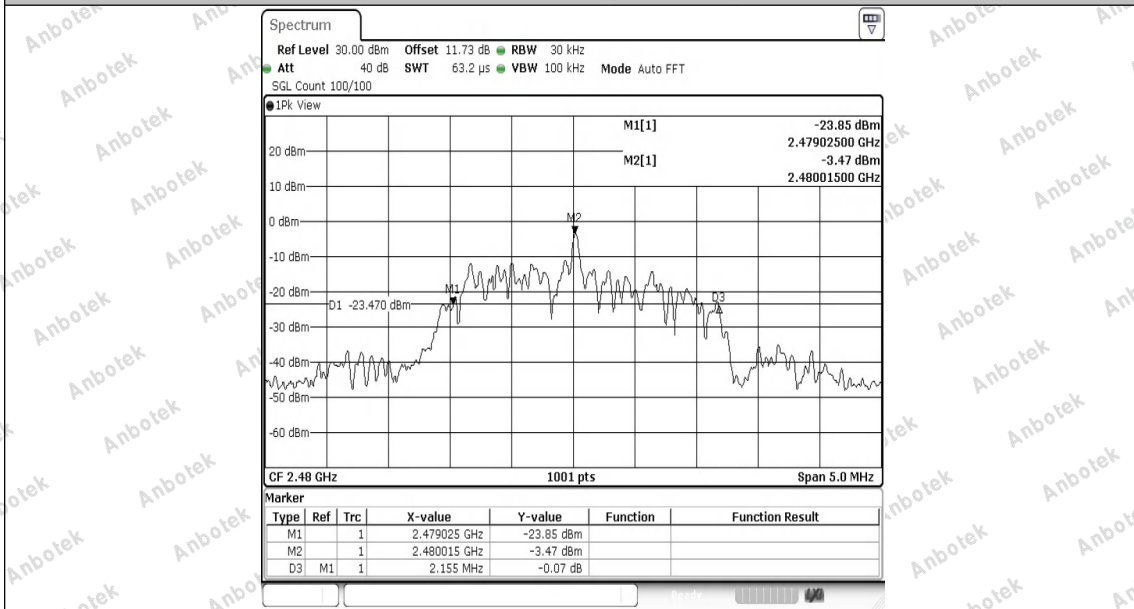
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.61	2401.61	2404.22	---	---
2.4G	Ant1	2441	2.43	2439.75	2442.18	---	---
2.4G	Ant1	2480	2.15	2479.03	2481.18	---	---

Test Graphs





2.4G-Ant1-2441



2.4G-Ant1-2480

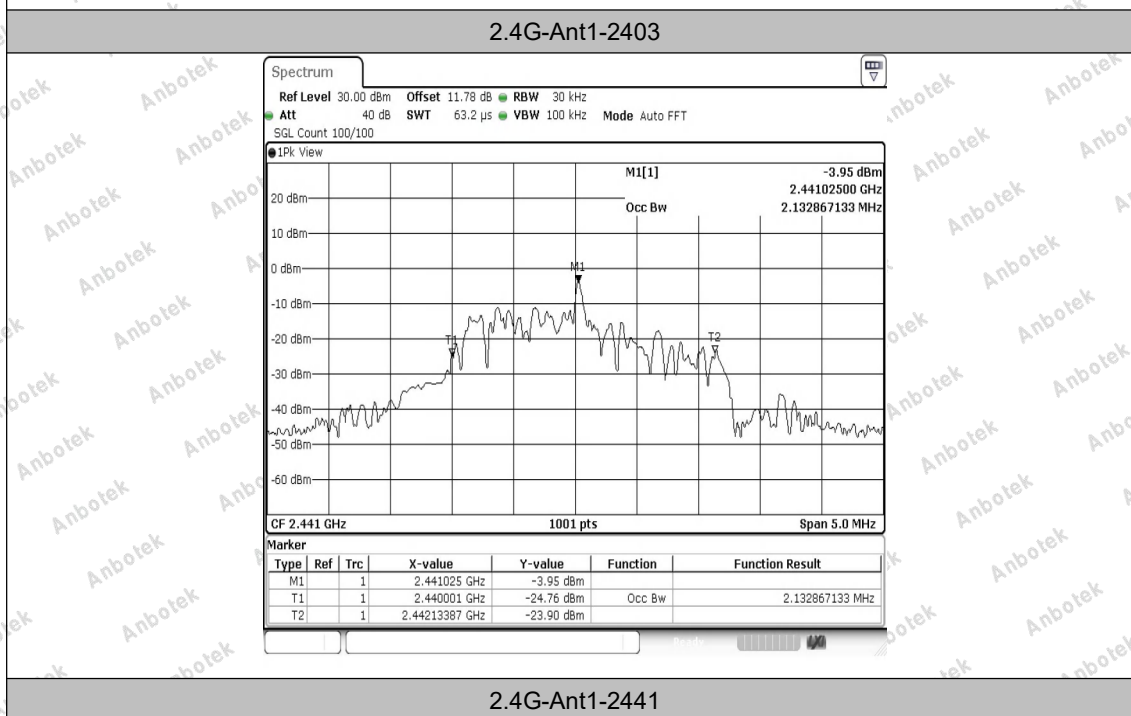
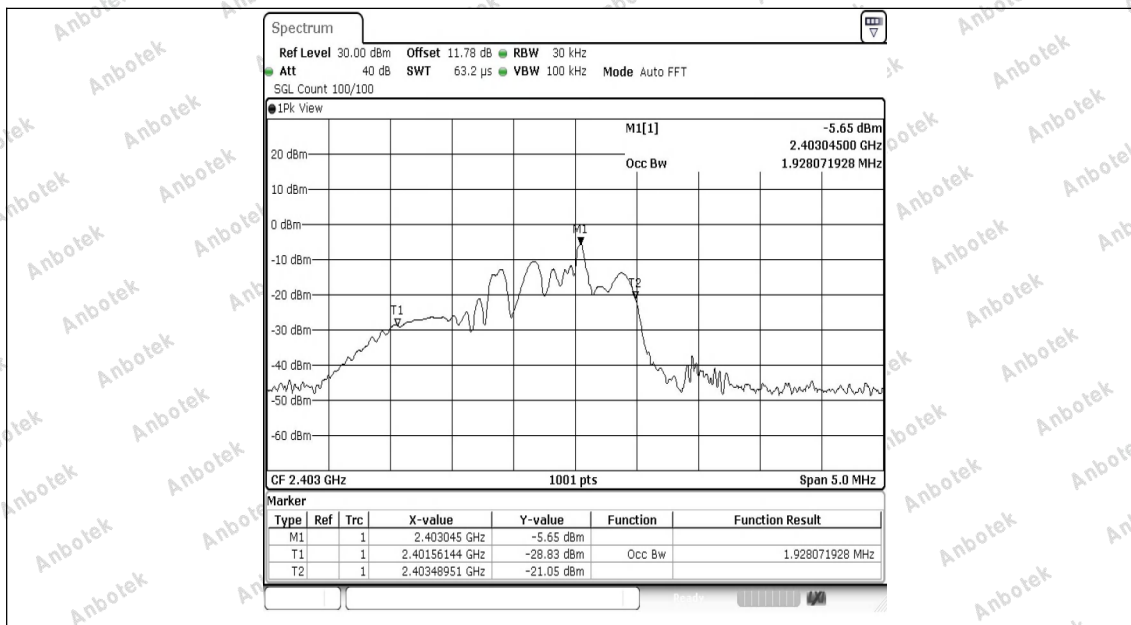


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	1.928	2401.5614	2403.4895	---	---
2.4G	Ant1	2441	2.133	2440.0010	2442.1339	---	---
2.4G	Ant1	2480	2.178	2478.9311	2481.1089	---	---

Test Graphs





Shenzhen Anbotek Compliance Laboratory Limited

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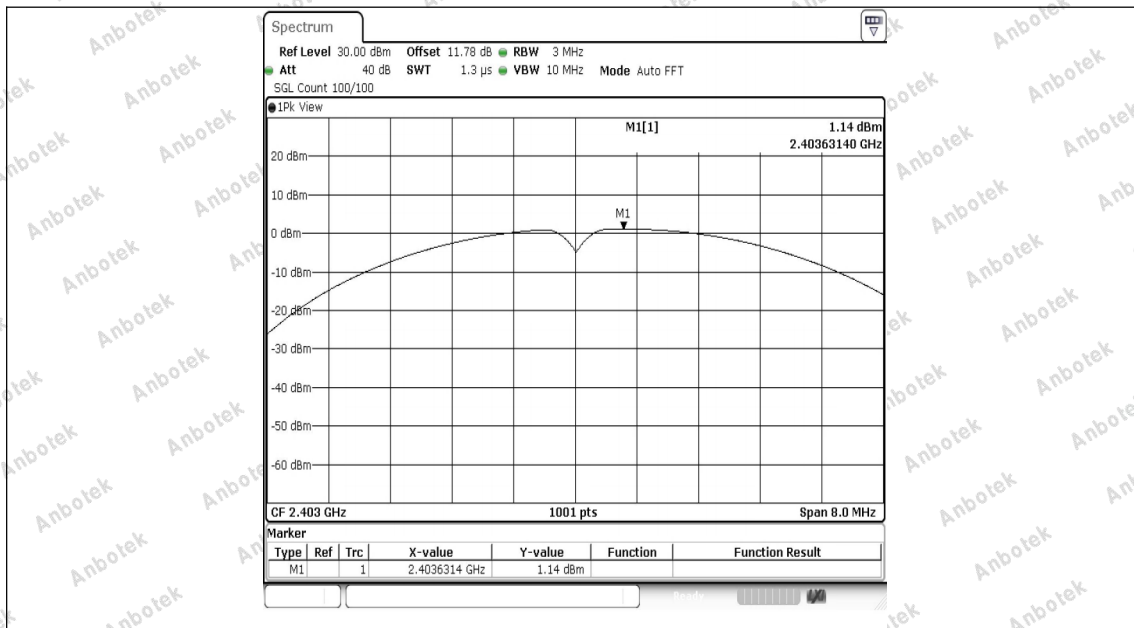


Appendix C: Maximum conducted output power

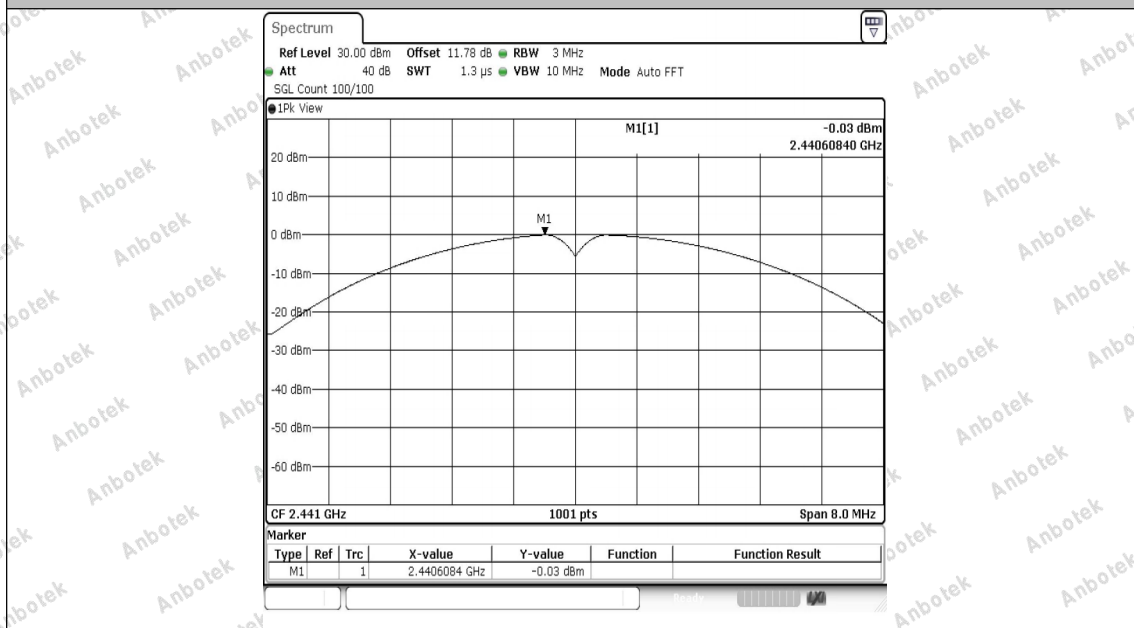
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	1.14	≤20.97	PASS
2.4G	Ant1	2441	-0.03	≤20.97	PASS
2.4G	Ant1	2480	-0.78	≤20.97	PASS

Test Graphs

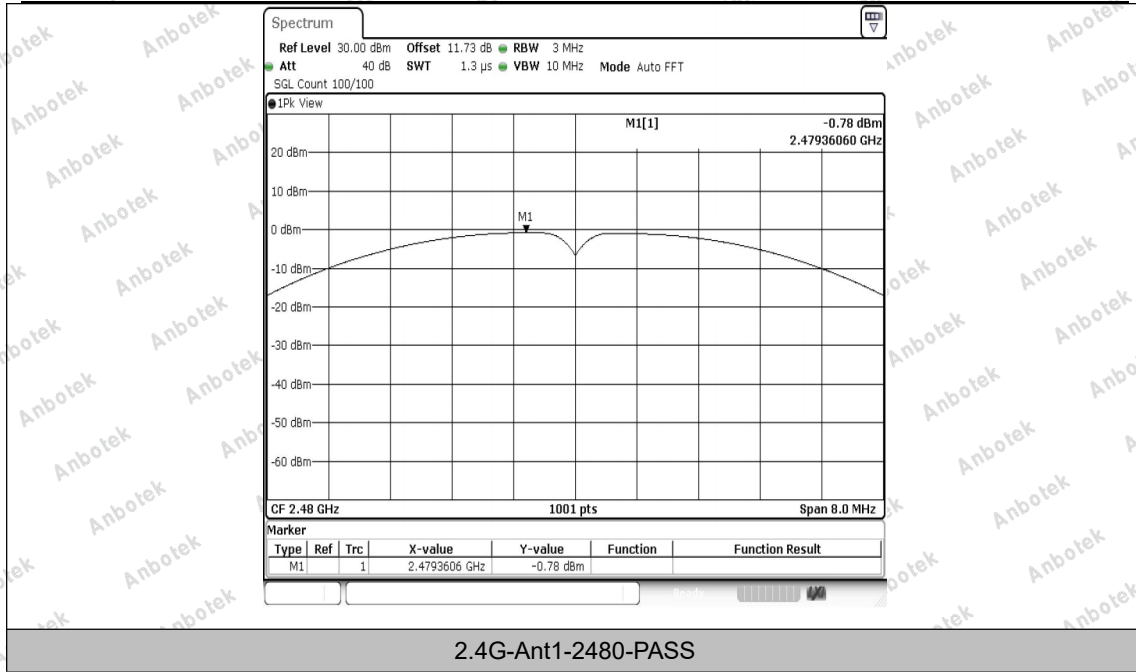


2.4G-Ant1-2403-PASS



2.4G-Ant1-2441-PASS





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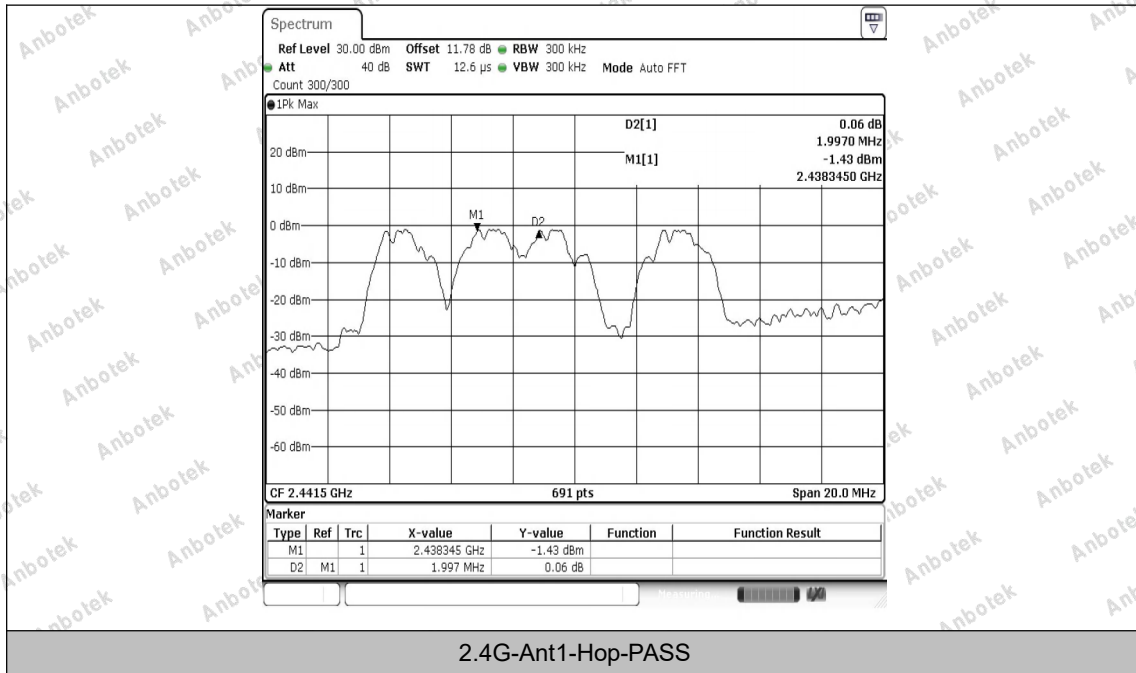


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	1.997	≥1.620	PASS

Test Graphs

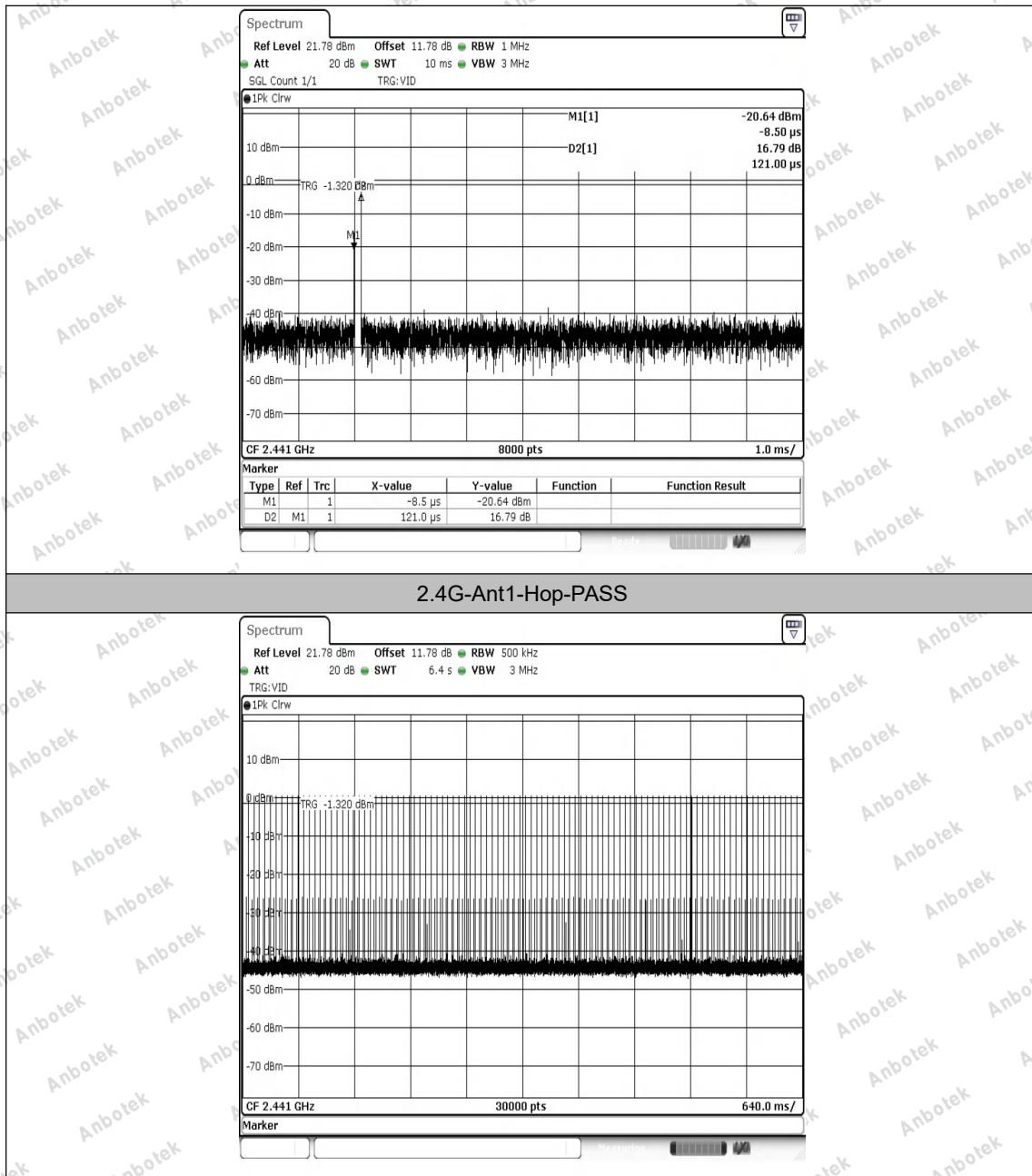


Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.121	101	0.012	≤0.4	PASS

Test Graphs

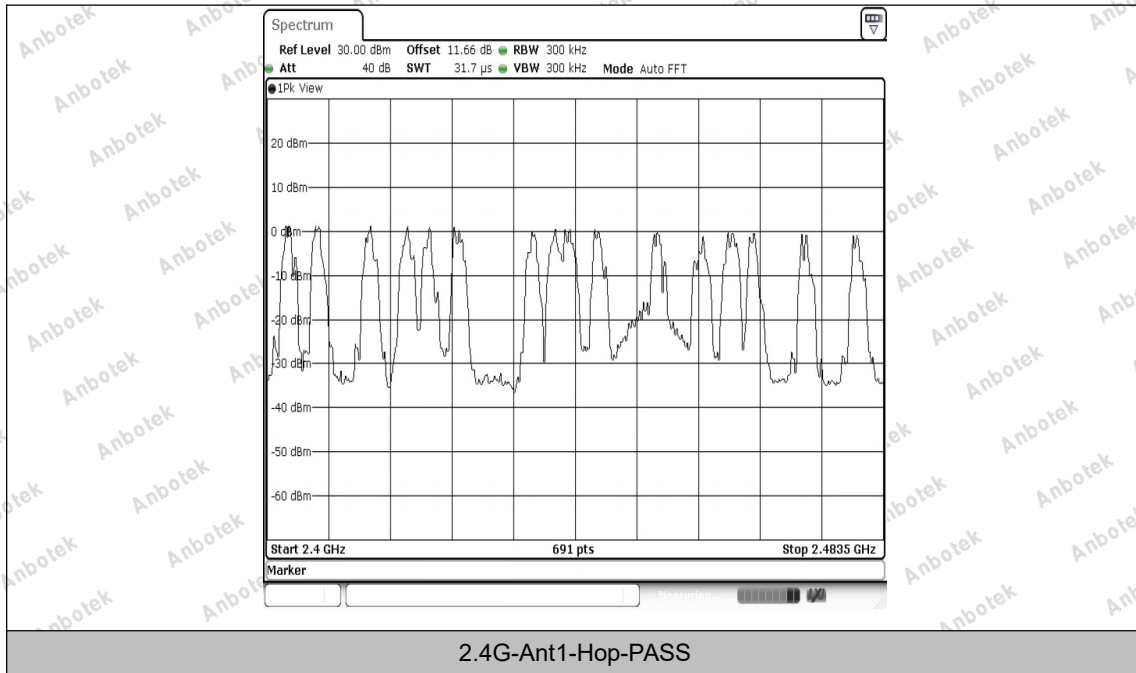


Appendix F: Number of hopping channels

Test Result

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

Test Graphs

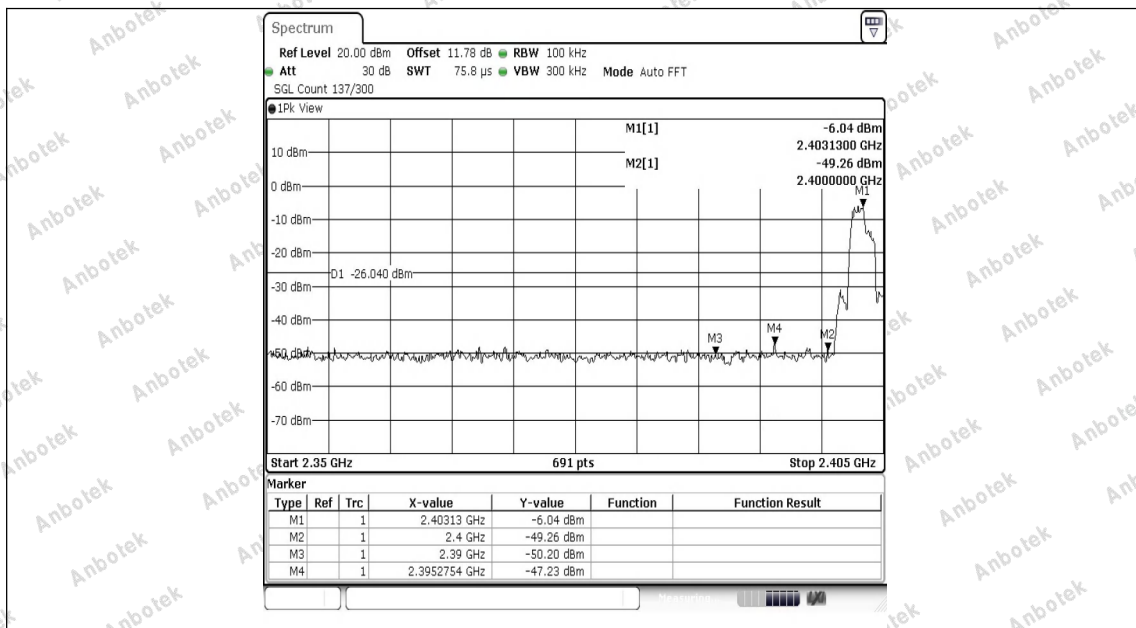


Appendix G: Band edge measurements

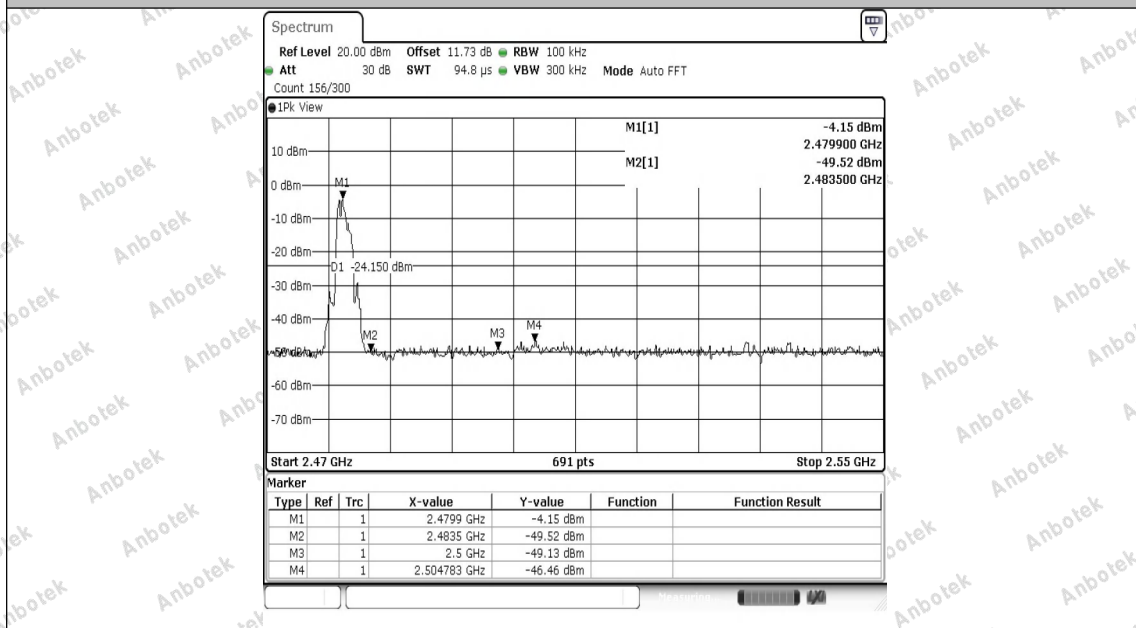
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	-6.04	-47.23	≤-26.04	PASS
2.4G	Ant1	High	2480	-4.15	-46.46	≤-24.15	PASS
2.4G	Ant1	Low	Hop_2403	-2.57	-46.65	≤-22.57	PASS
2.4G	Ant1	High	Hop_2480	-7.20	-45.76	≤-27.2	PASS

Test Graphs



2.4G-Ant1-2403-PASS



2.4G-Ant1-2480-PASS

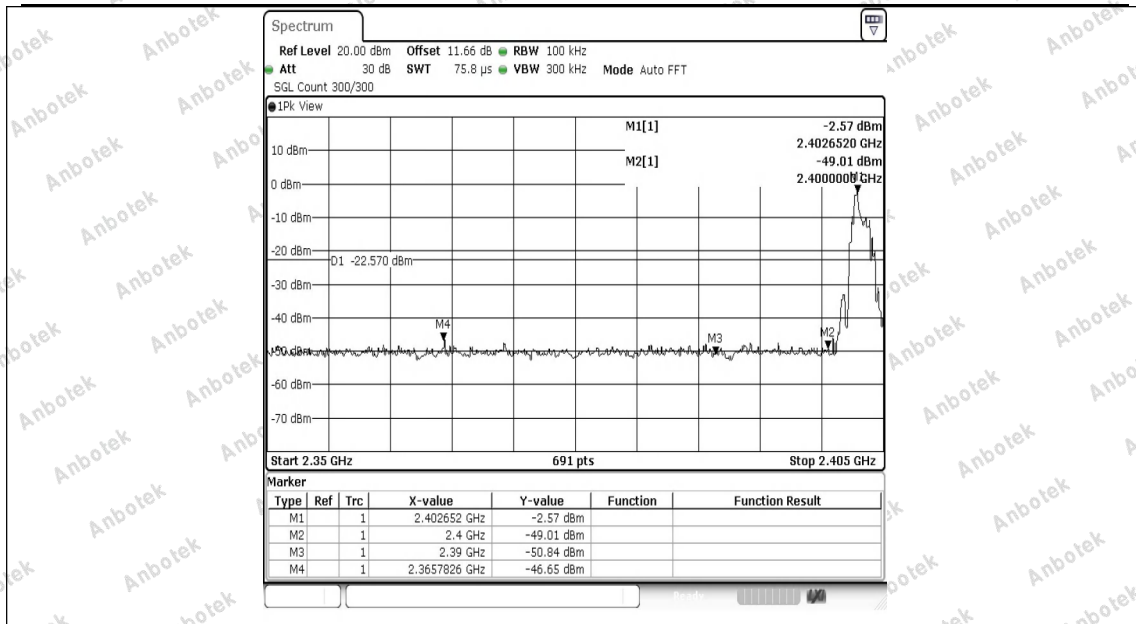
Shenzhen Anbotek Compliance Laboratory Limited

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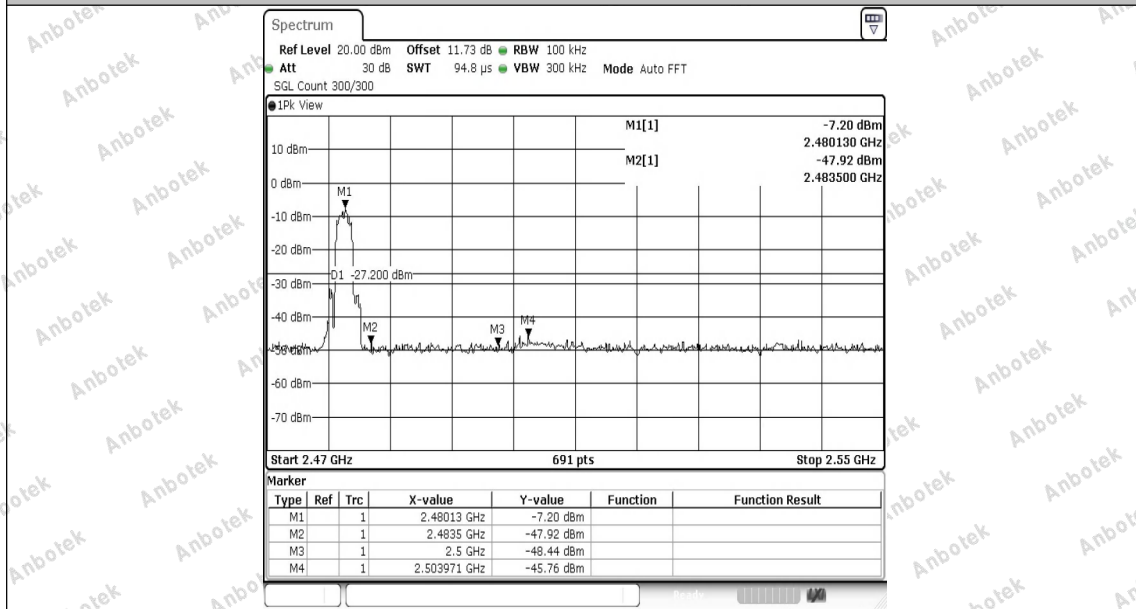


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2.4G-Ant1-Hop_2403-PASS



2.4G-Ant1-Hop_2480-PASS

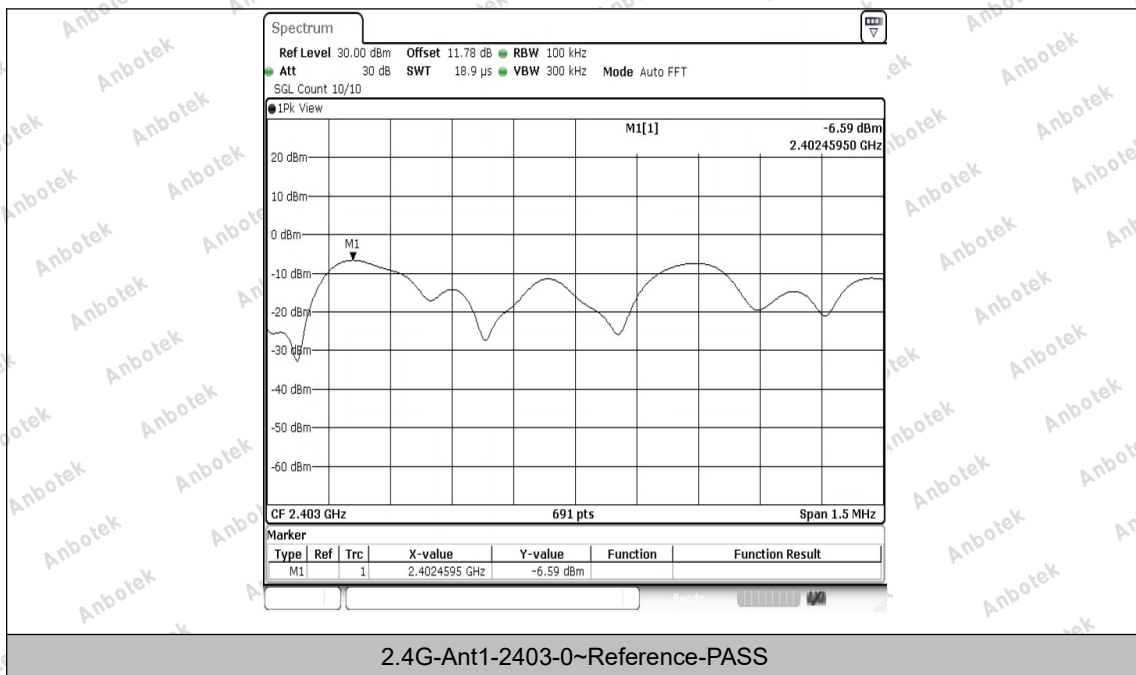


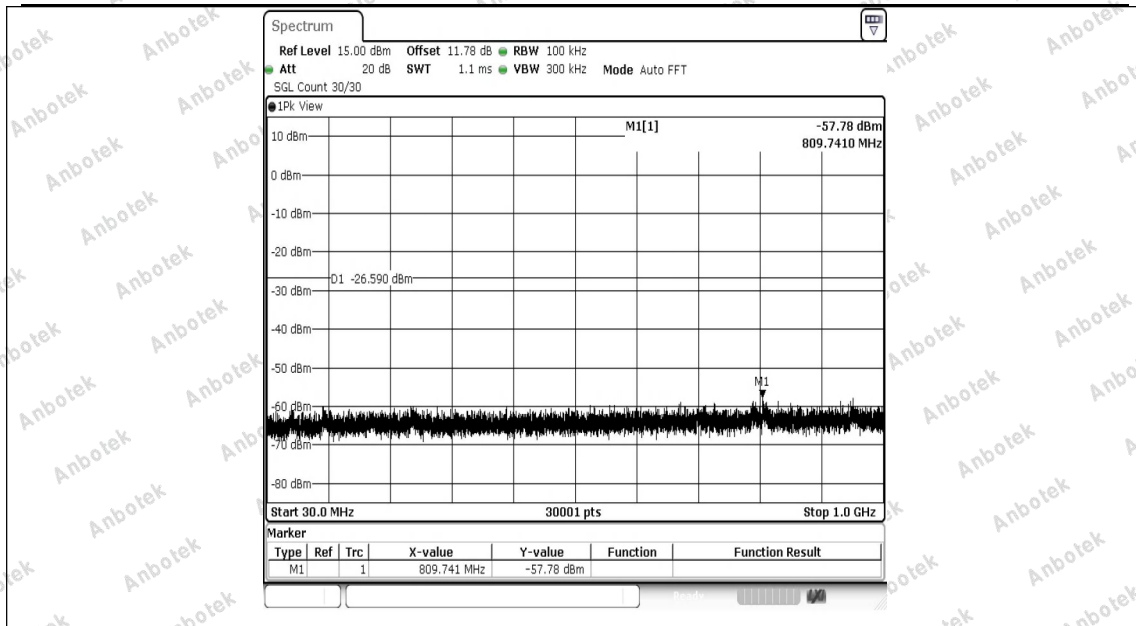
Appendix H: Conducted Spurious Emission

Test Result

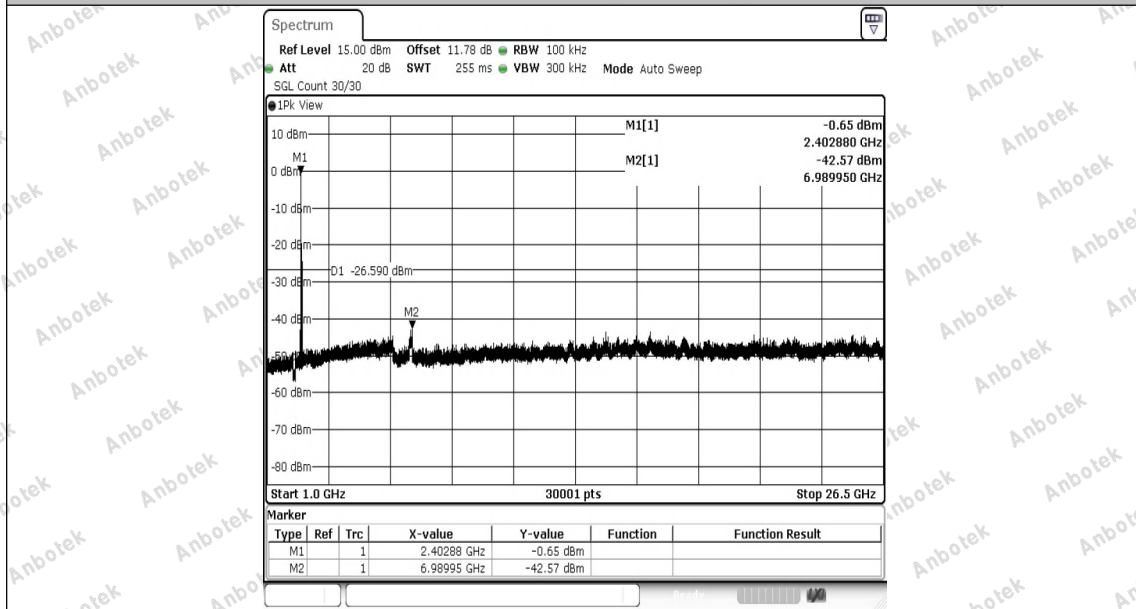
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	0~Reference	-6.59	-6.59	---	PASS
2.4G	Ant1	2403	30~1000	-6.59	-57.78	≤-26.59	PASS
2.4G	Ant1	2403	1000~26500	-6.59	-42.57	≤-26.59	PASS
2.4G	Ant1	2441	0~Reference	-6.14	-6.14	---	PASS
2.4G	Ant1	2441	30~1000	-6.14	-58.51	≤-26.14	PASS
2.4G	Ant1	2441	1000~26500	-6.14	-43.08	≤-26.14	PASS
2.4G	Ant1	2480	0~Reference	-8.49	-8.49	---	PASS
2.4G	Ant1	2480	30~1000	-8.49	-57.81	≤-28.49	PASS
2.4G	Ant1	2480	1000~26500	-8.49	-41.2	≤-28.49	PASS

Test Graphs



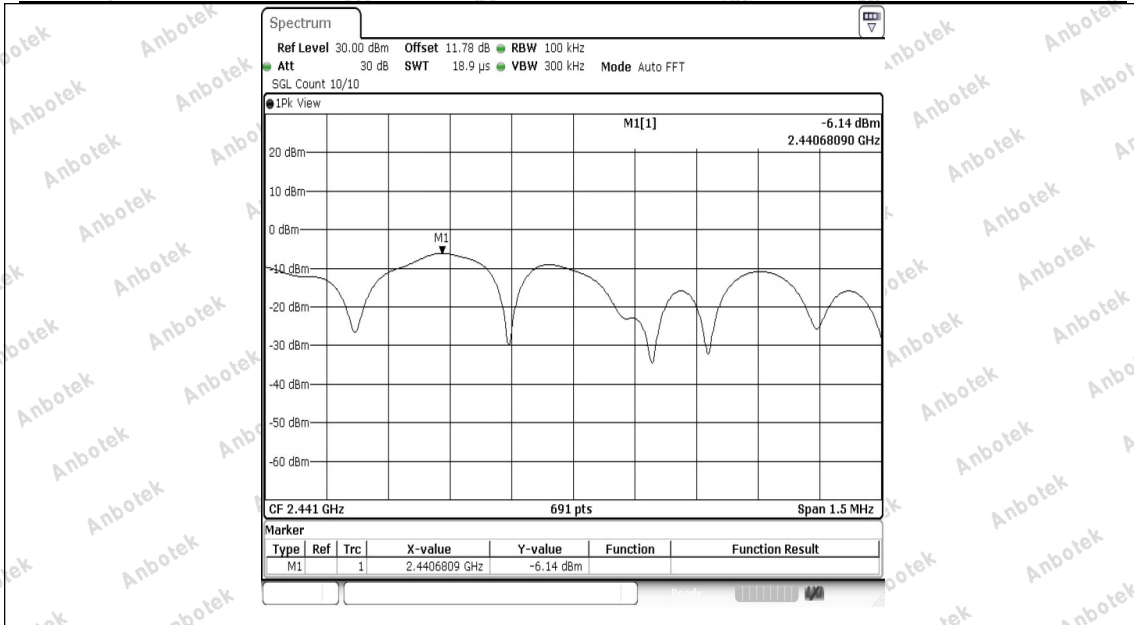


2.4G-Ant1-2403-30~1000-PASS

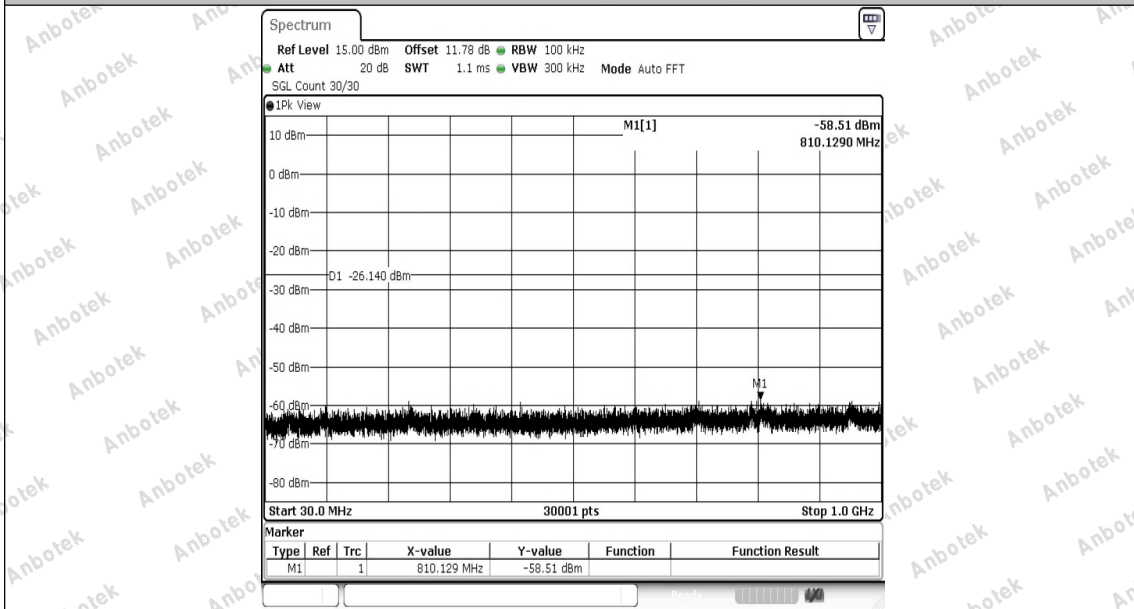


2.4G-Ant1-2403-1000~26500-PASS



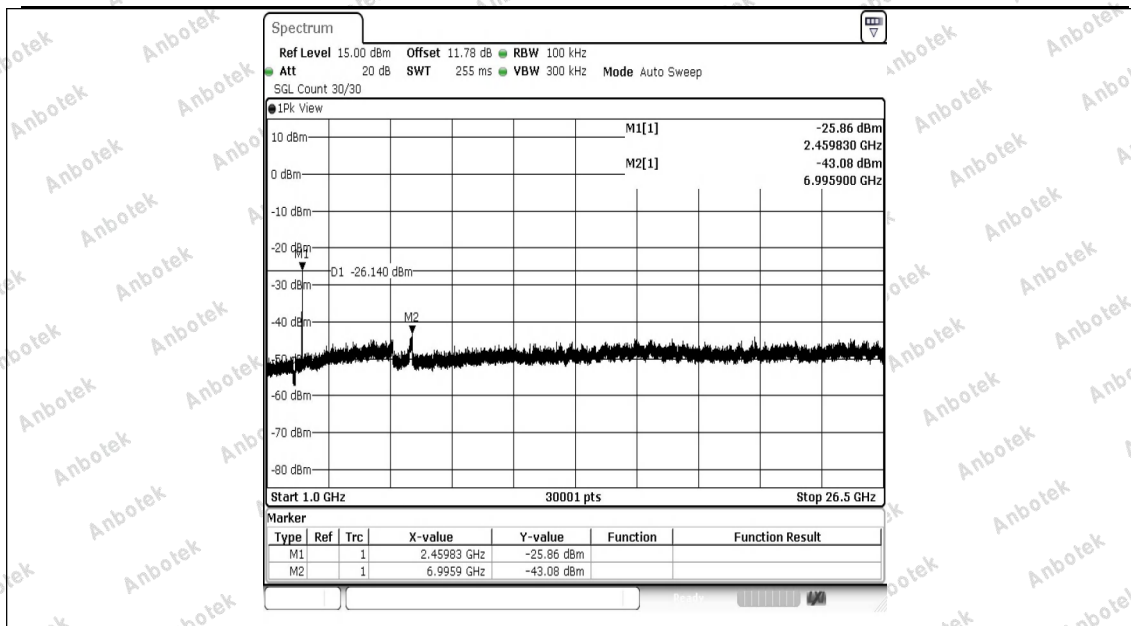


2.4G-Ant1-2441-0~Reference-PASS

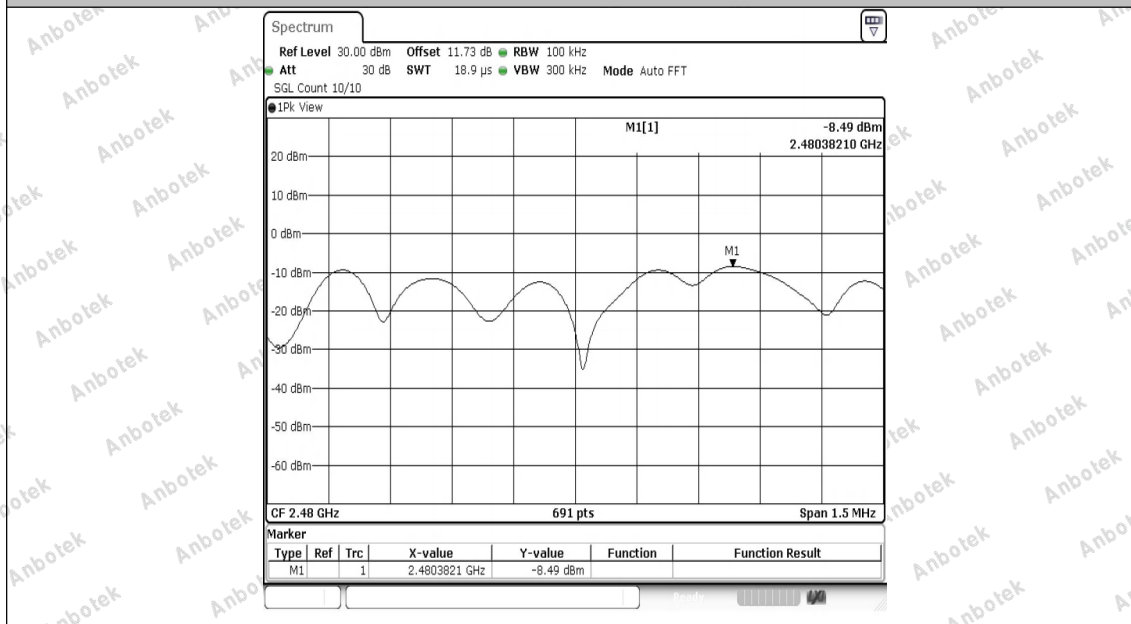


2.4G-Ant1-2441-30~1000-PASS



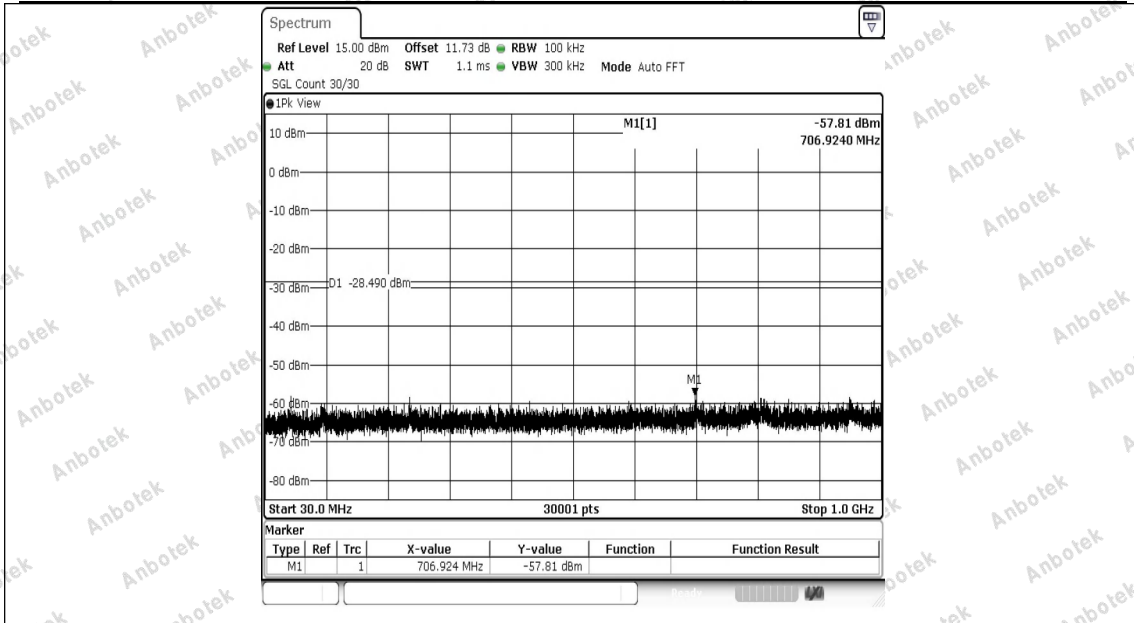


2.4G-Ant1-2441-1000~26500-PASS

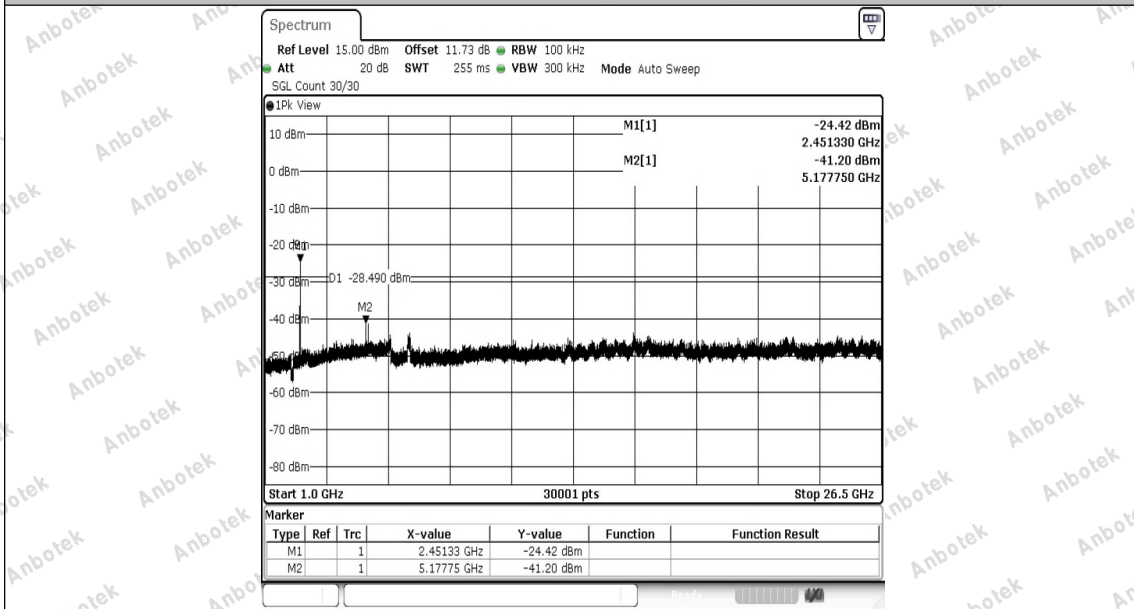


2.4G-Ant1-2480-0~Reference-PASS





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



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

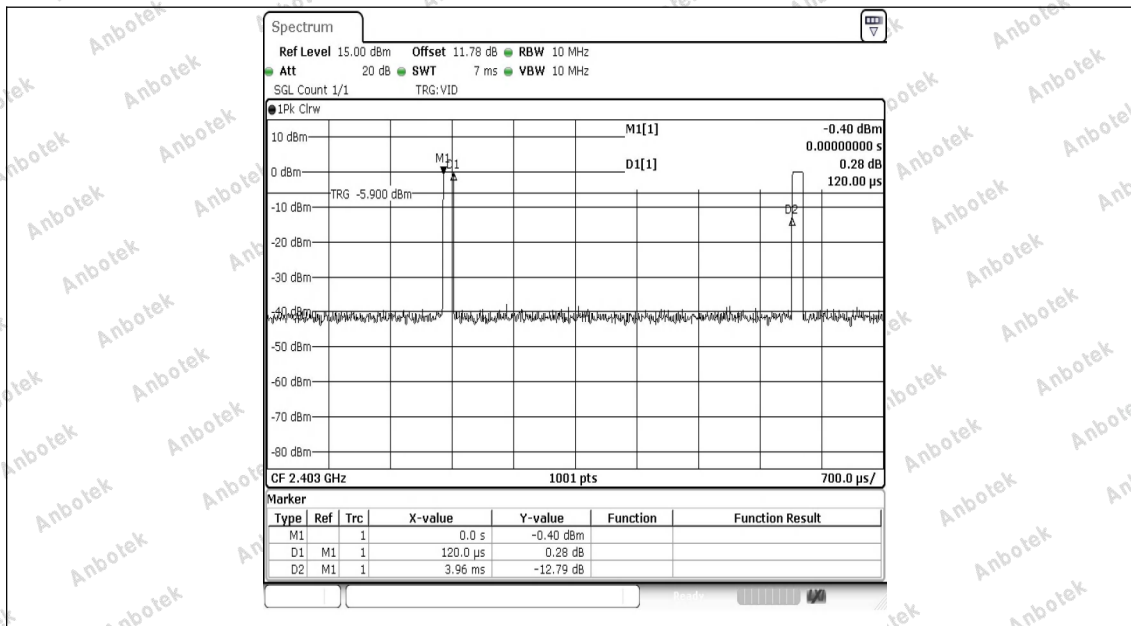


Appendix I: Duty Cycle

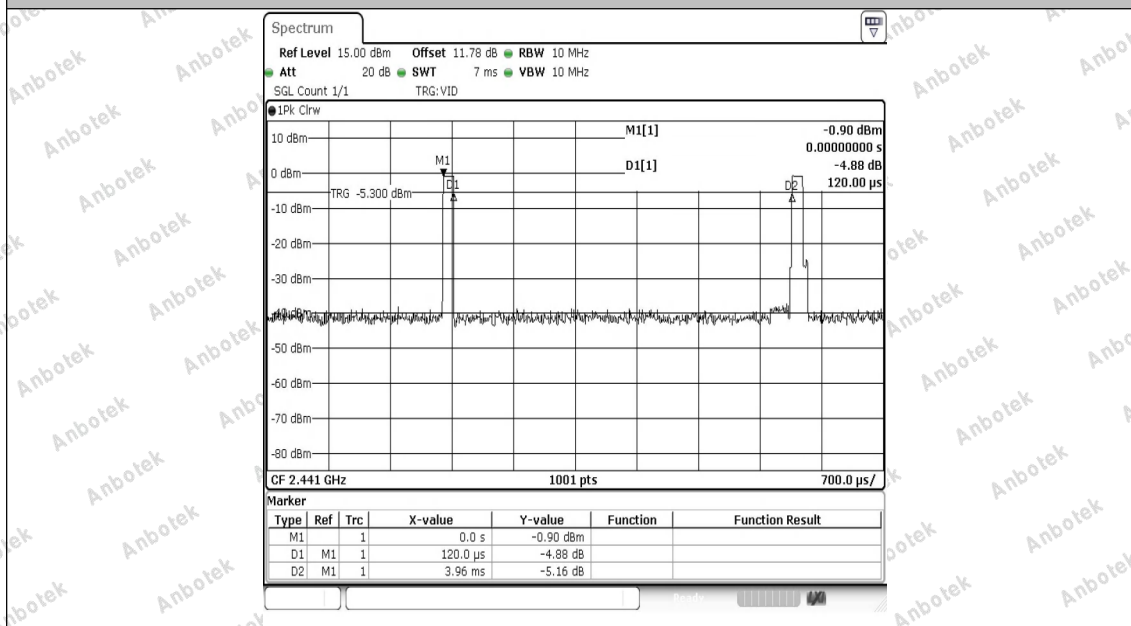
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2403	0.12	3.96	3.03	15.19
2.4G	Ant1	2441	0.12	3.96	3.03	15.19
2.4G	Ant1	2480	0.12	3.96	3.03	15.19

Test Graphs

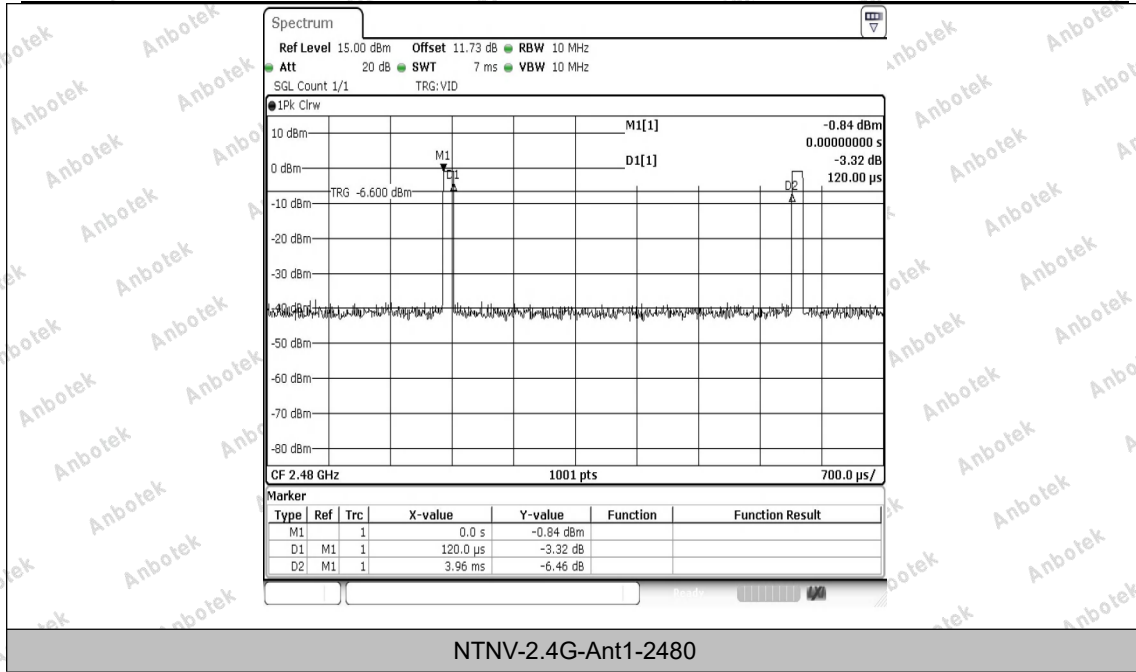


NTNV-2.4G-Ant1-2403



NTNV-2.4G-Ant1-2441





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