

Appendix Test Data

Report No:	182512C400090101	Test Sample NO:	1-2-2
Start Test Date:	2024.6.24	Finish Test Date:	2024.6.25
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.7°C	Relative Humidity:	56%
Pressure:	101 kPa		

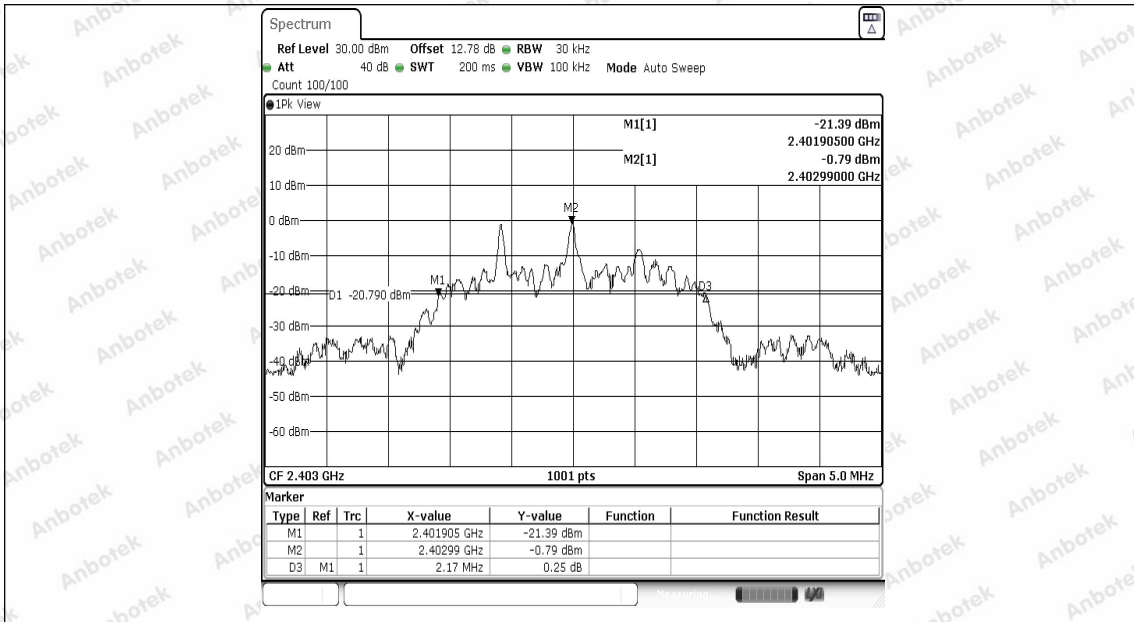
Appendix A: 20dB Emission Bandwidth

Test Result

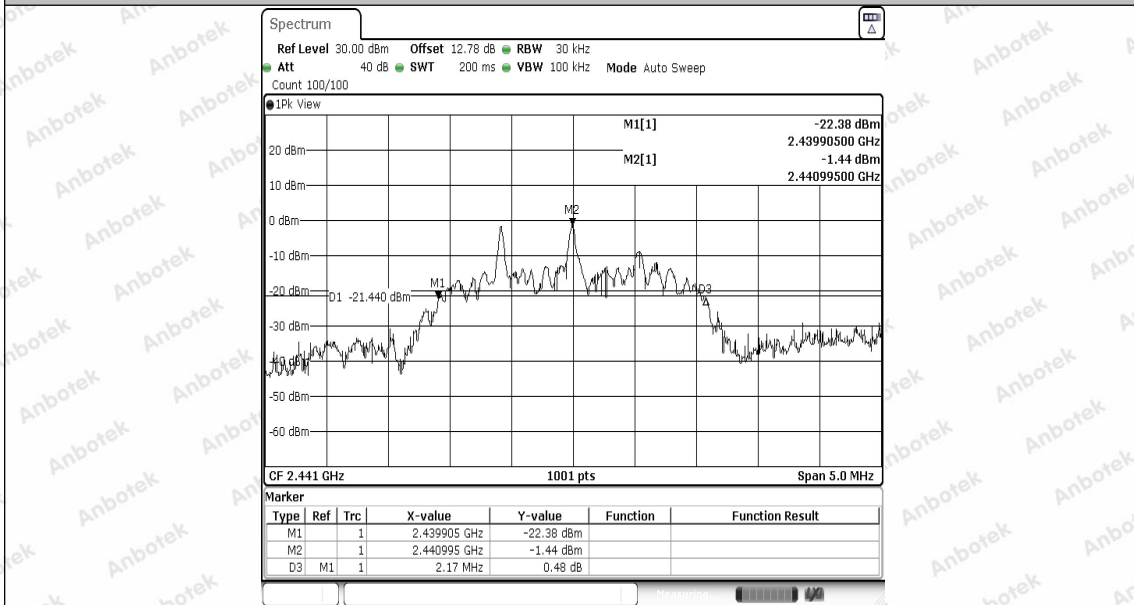
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.17	2401.91	2404.08	---	---
2.4G	Ant1	2441	2.17	2439.91	2442.08	---	---
2.4G	Ant1	2479	2.17	2477.90	2480.08	---	---



Test Graphs

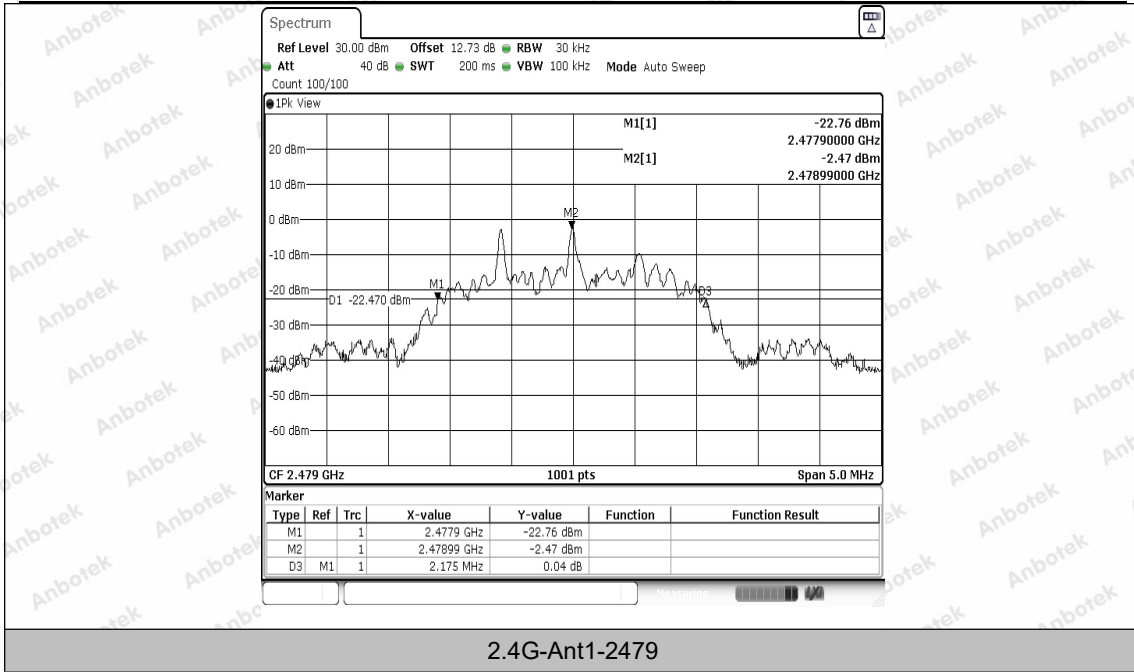


2.4G-Ant1-2403



2.4G-Ant1-2441





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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	2.168	2401.9011	2404.0689	---	---
2.4G	Ant1	2441	2.308	2439.8761	2442.1838	---	---
2.4G	Ant2	2479	2.208	2477.8711	2480.0789	---	---

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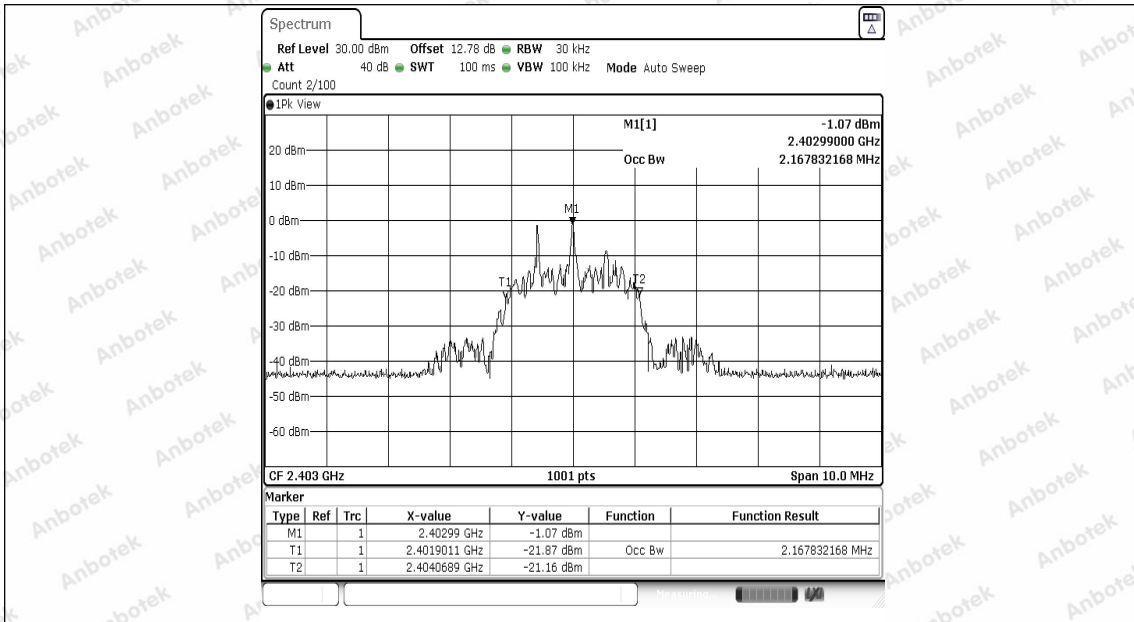
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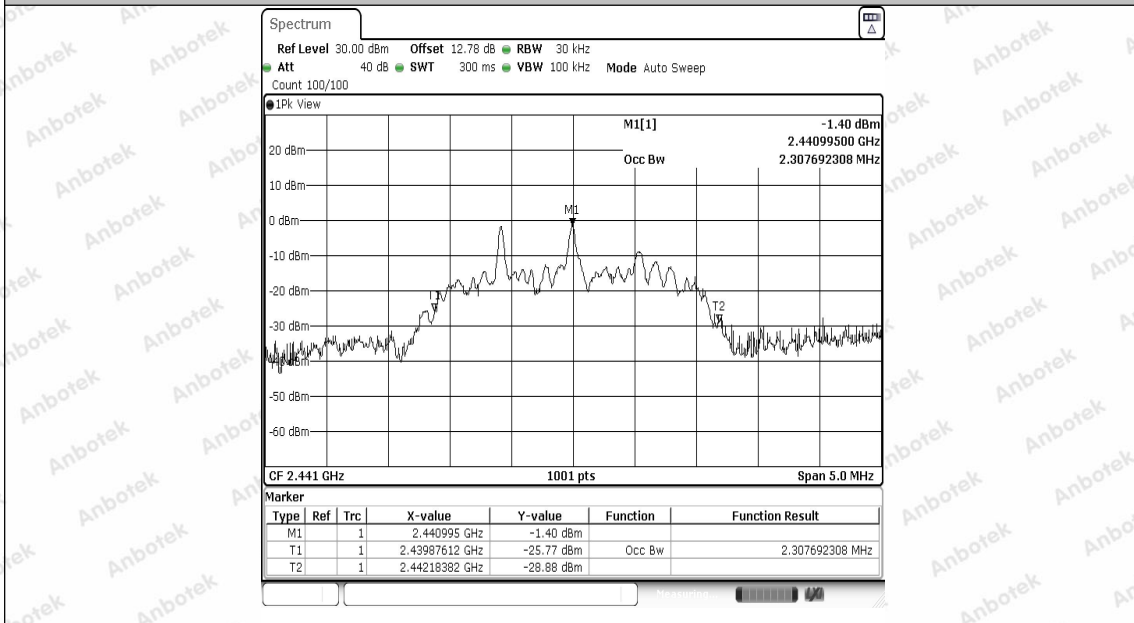
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Test Graphs

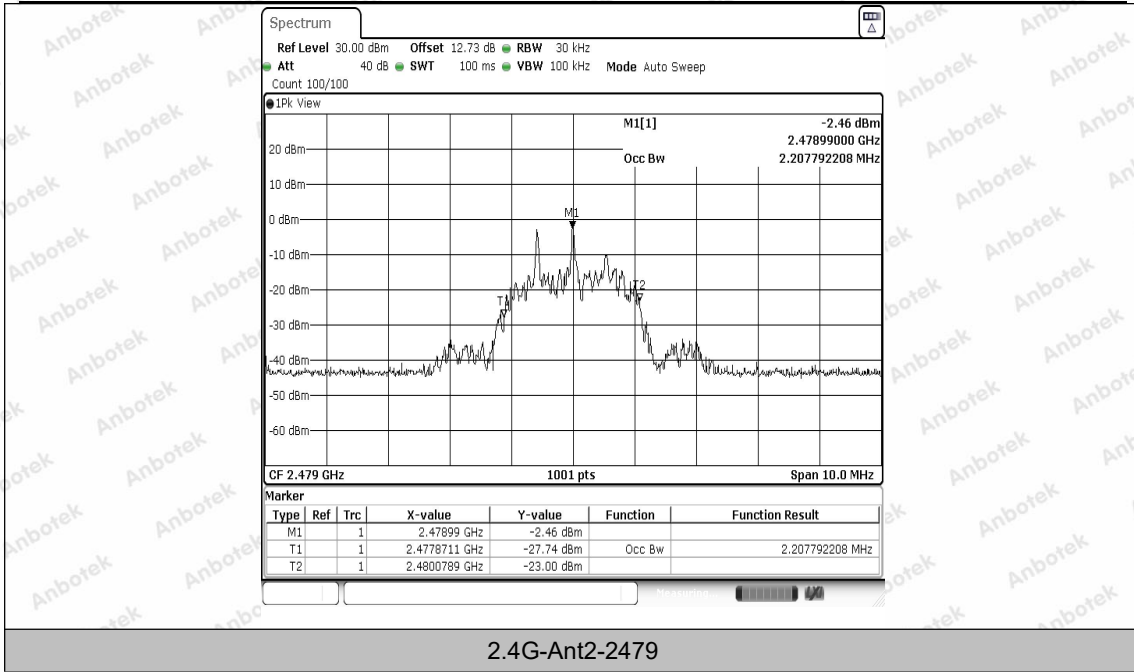


2.4G-Ant1-2403



2.4G-Ant1-2441





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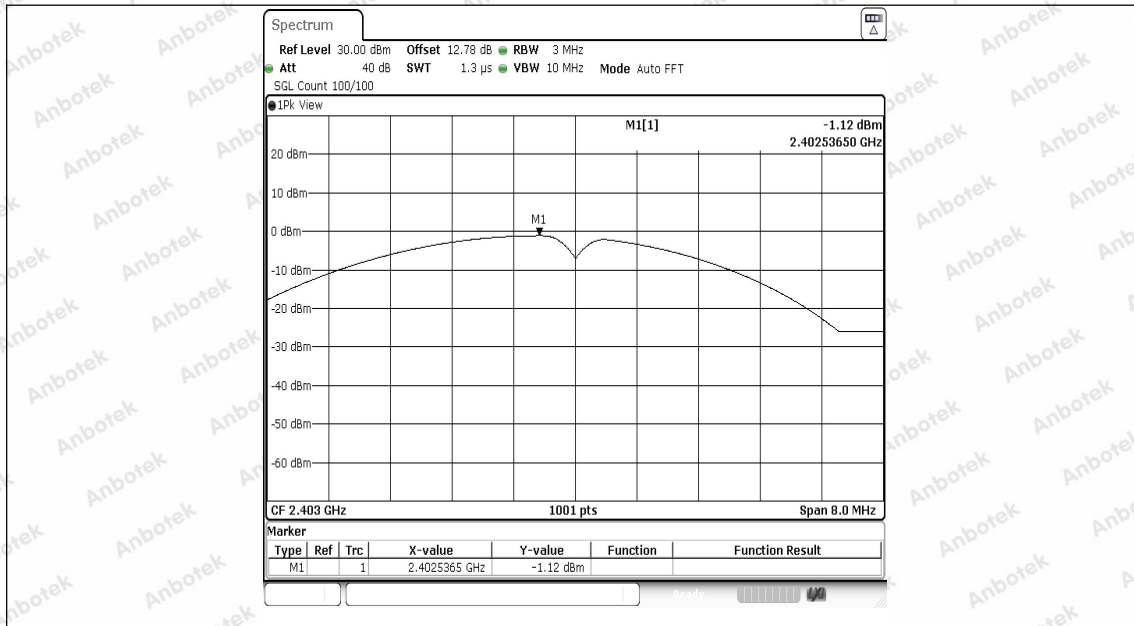


Appendix C: Maximum conducted output power

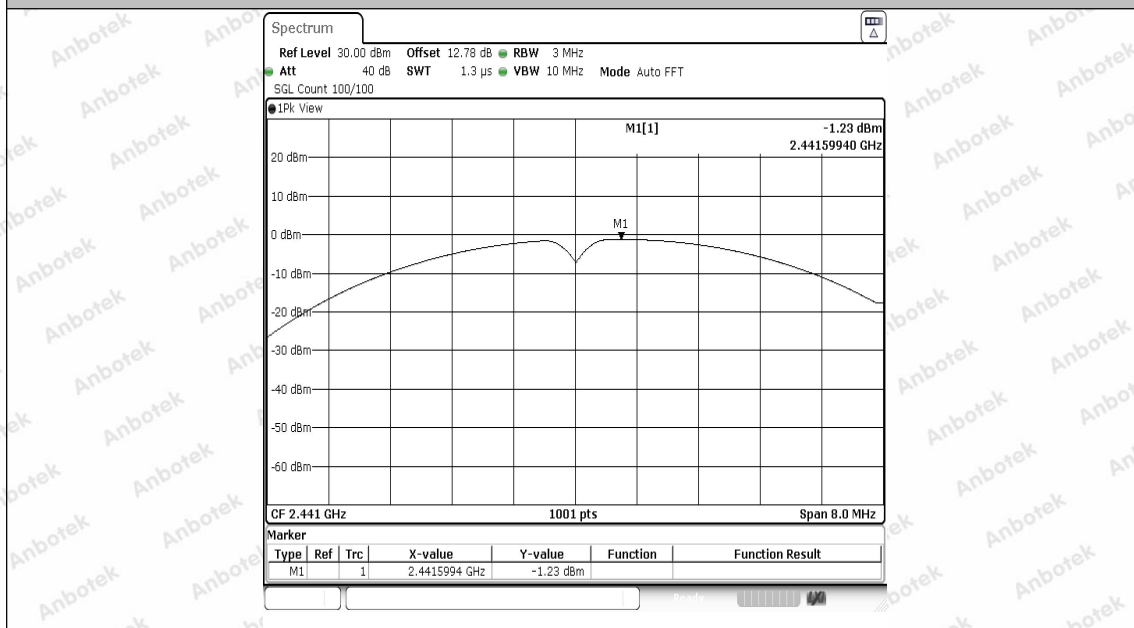
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	-1.12	≤20.97	PASS
2.4G	Ant1	2441	-1.23	≤20.97	PASS
2.4G	Ant1	2479	-2.38	≤20.97	PASS

Test Graphs



2.4G-Ant1-2403-PASS



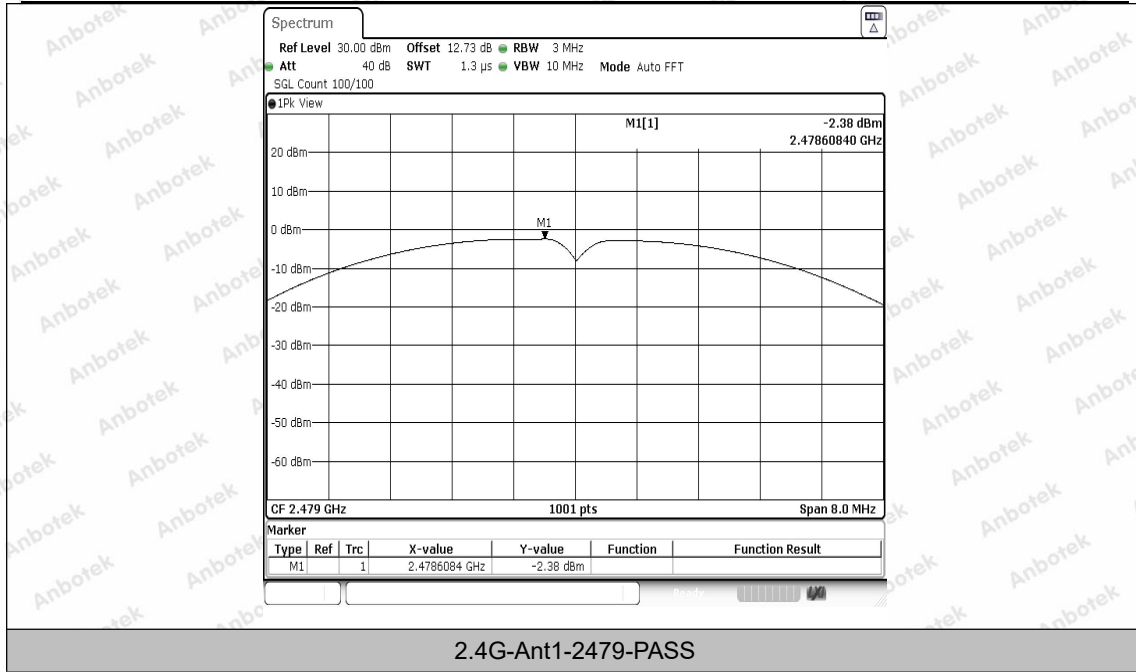
2.4G-Ant1-2441-PASS

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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.003	≥1.447	PASS

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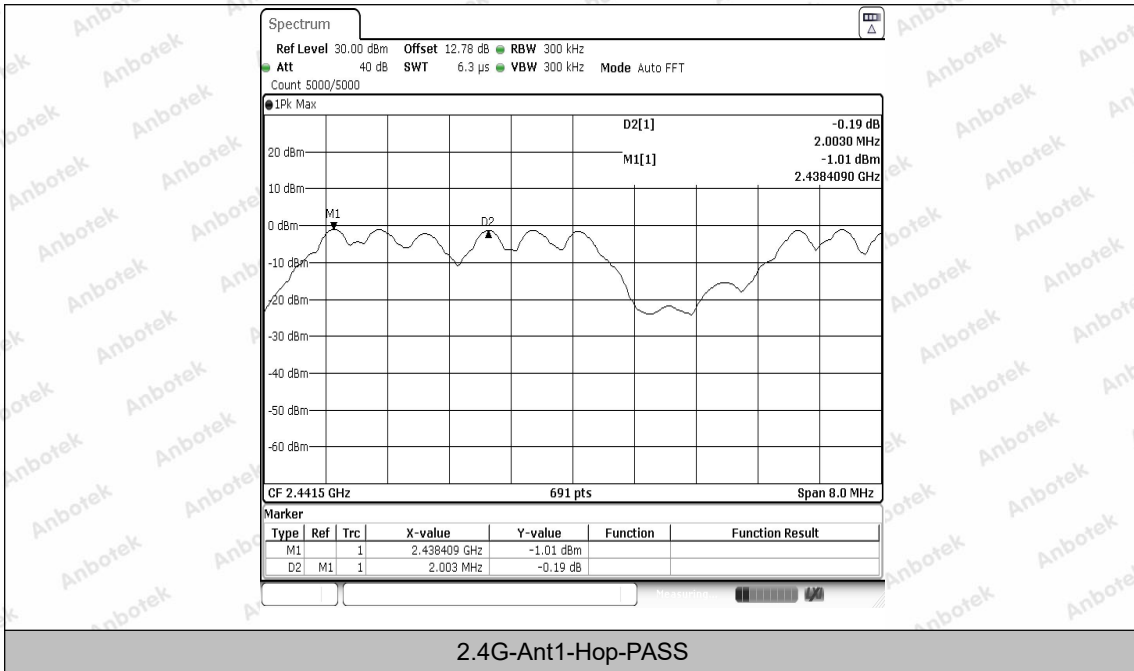
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Test Graphs



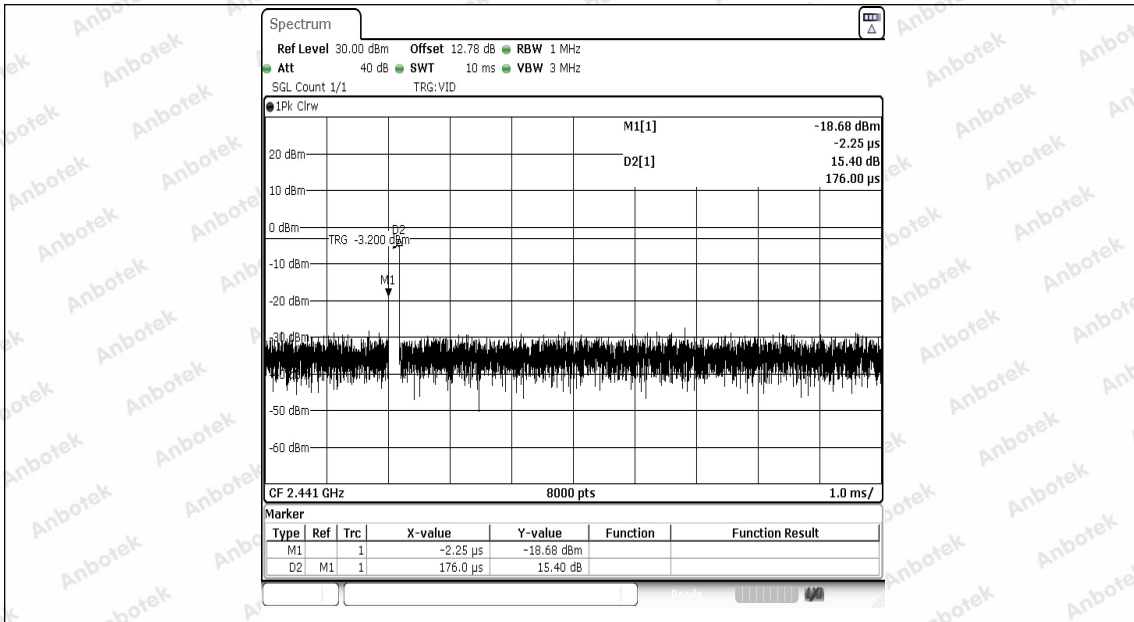
Appendix E: Time of occupancy

Test Result

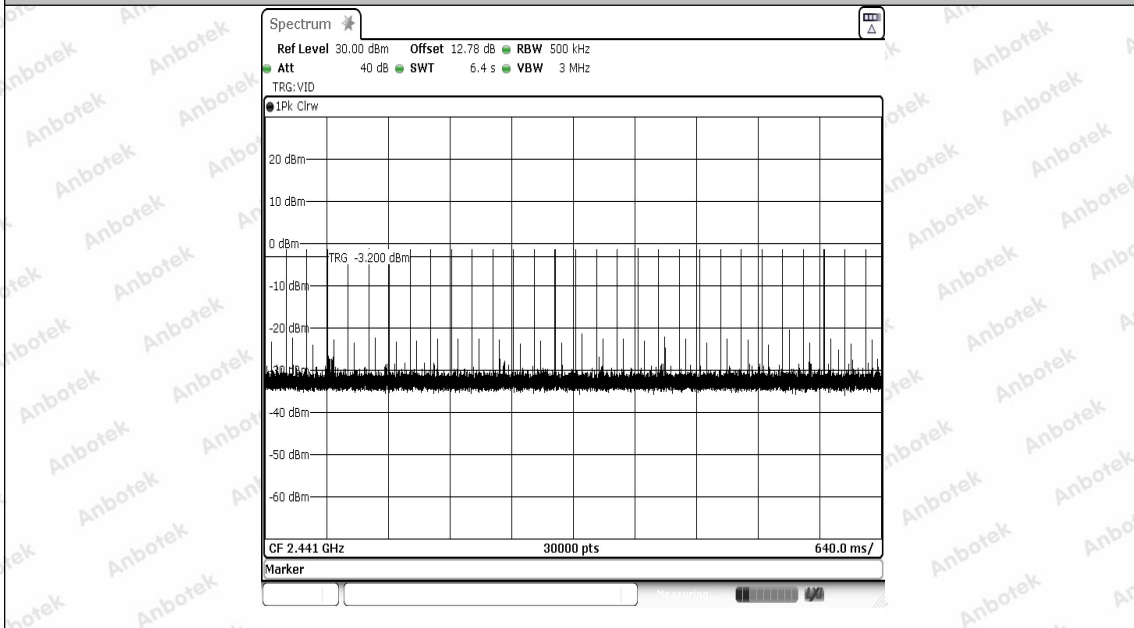
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.176	300	0.053	≤0.4	PASS



Test Graphs



2.4G-Ant1-Hop-PASS



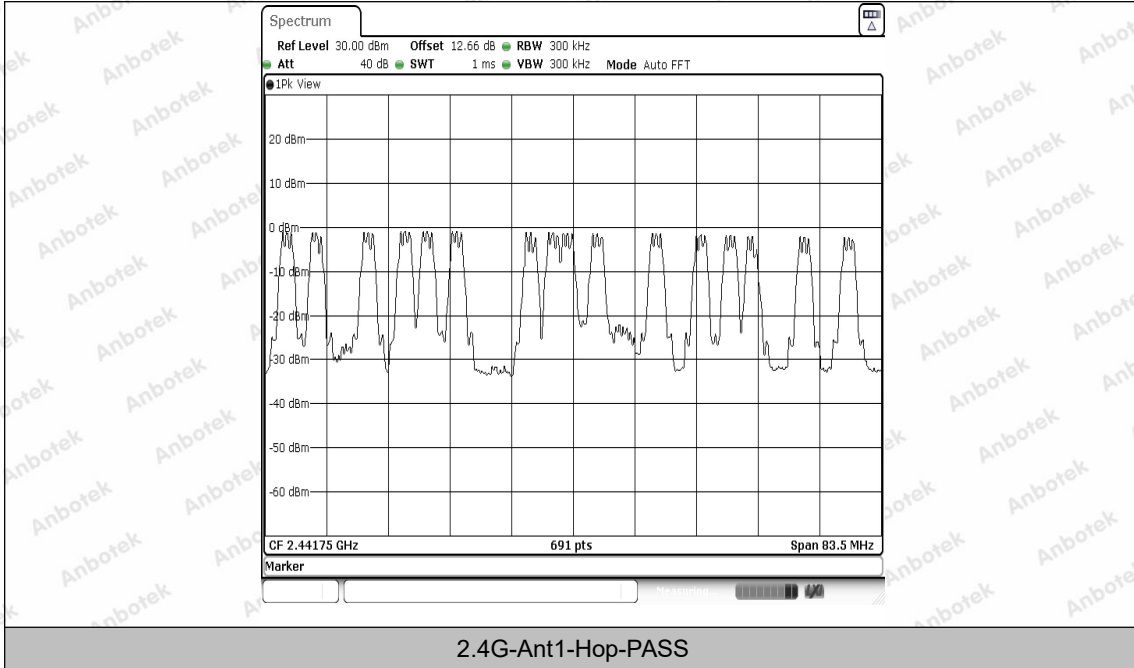
Appendix F: Number of hopping channels

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	-0.82	-46.14	≤-20.82	PASS
2.4G	Ant1	High	2479	-2.32	-45.92	≤-22.32	PASS
2.4G	Ant1	Low	Hop_2403	-1.21	-47.23	≤-21.21	PASS
2.4G	Ant1	High	Hop_2479	-7.86	-45.3	≤-27.86	PASS

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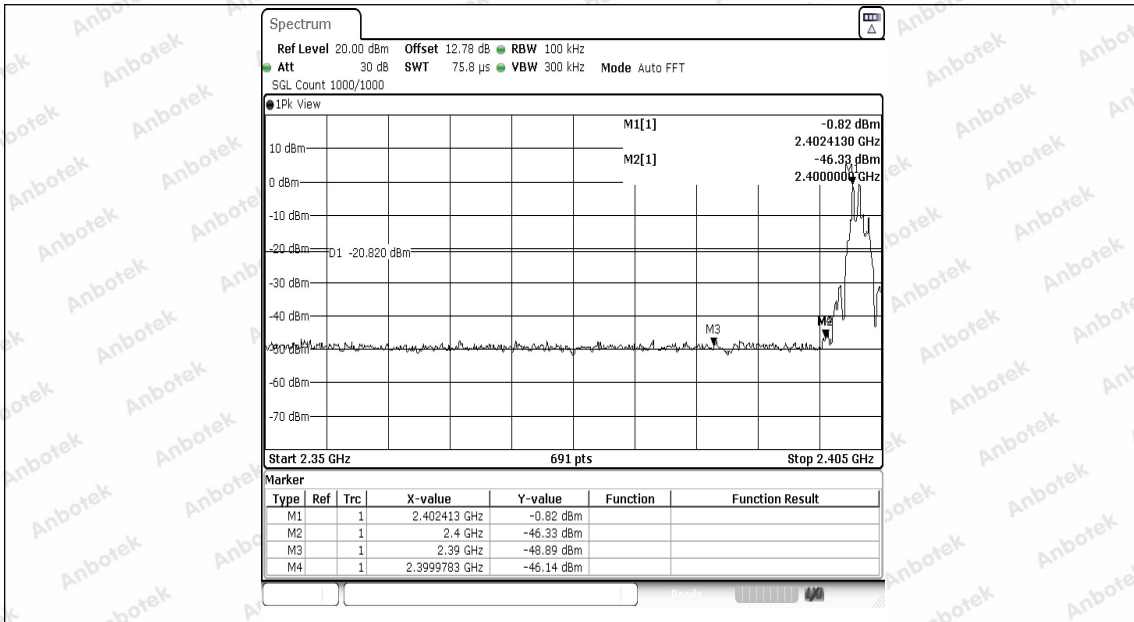
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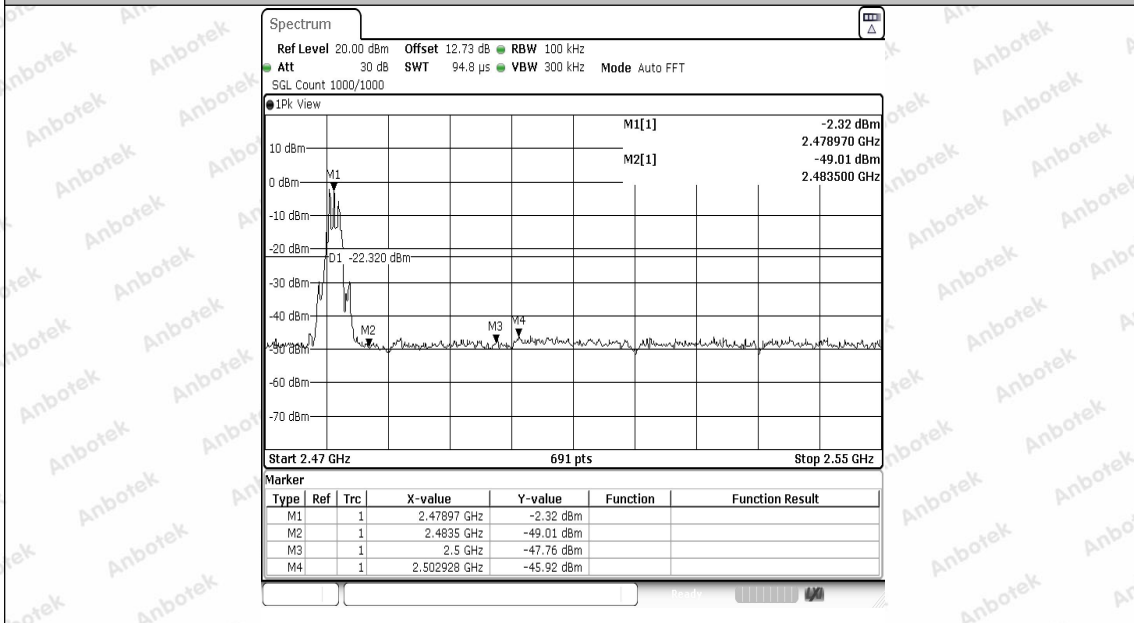
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Test Graphs

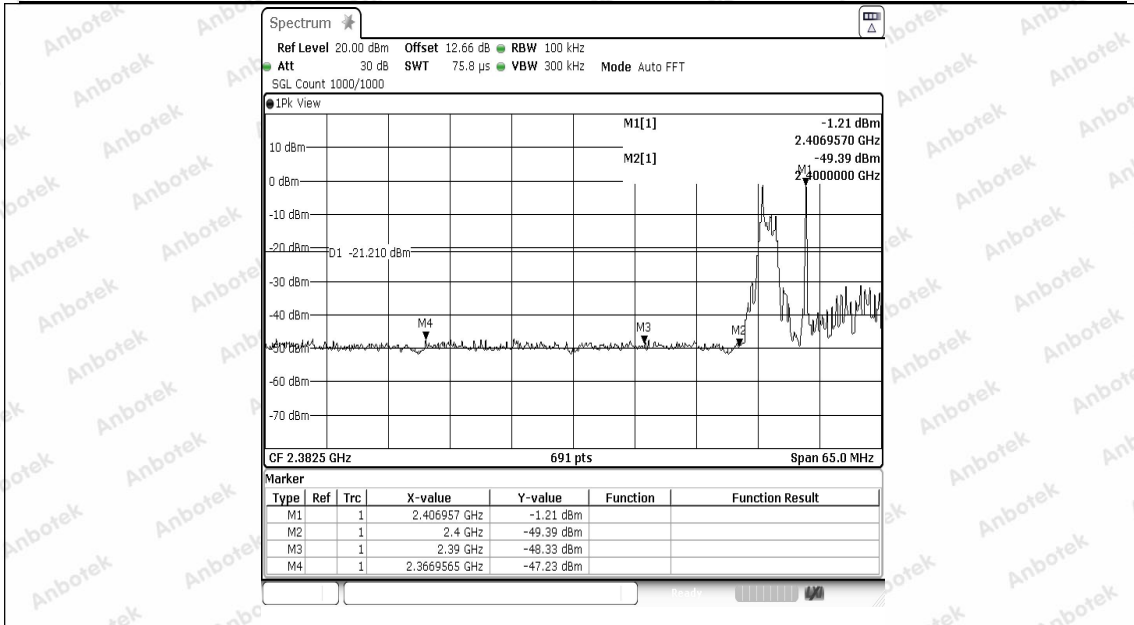


2.4G-Ant1-2403-PASS

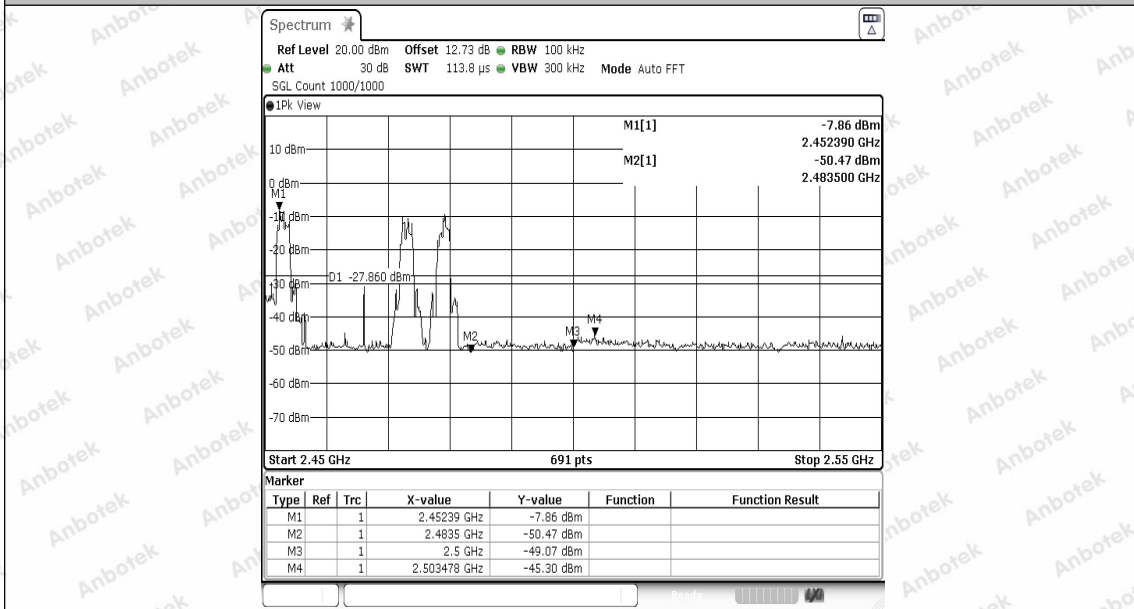


2.4G-Ant1-2479-PASS





2.4G-Ant1-Hop_2403-PASS



2.4G-Ant1-Hop_2479-PASS



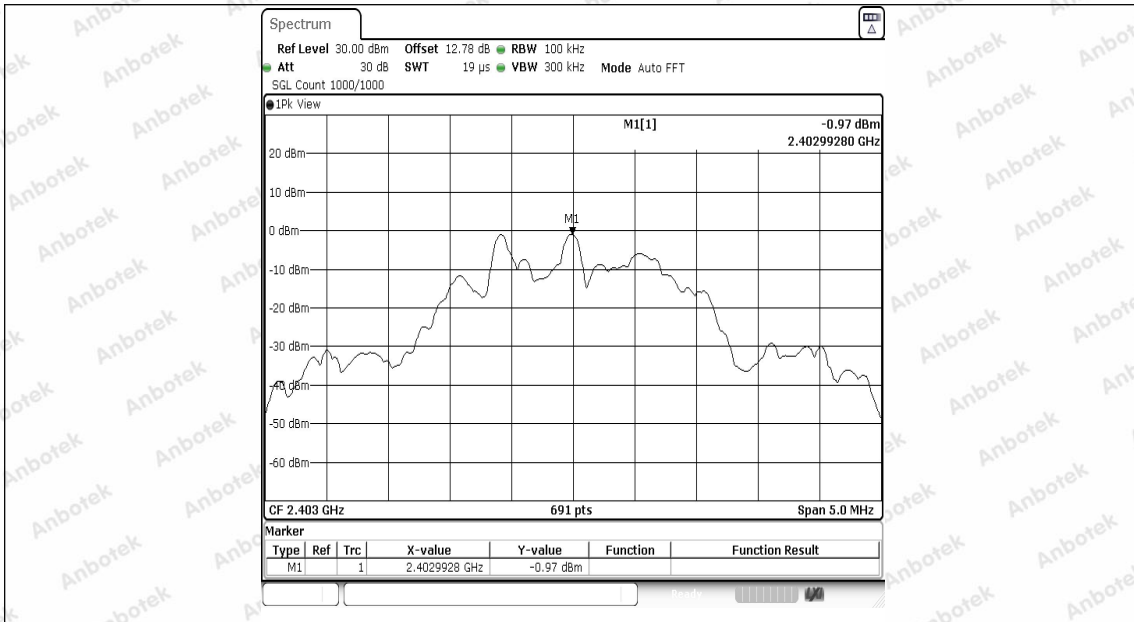
Appendix H: Conducted Spurious Emission

Test Result

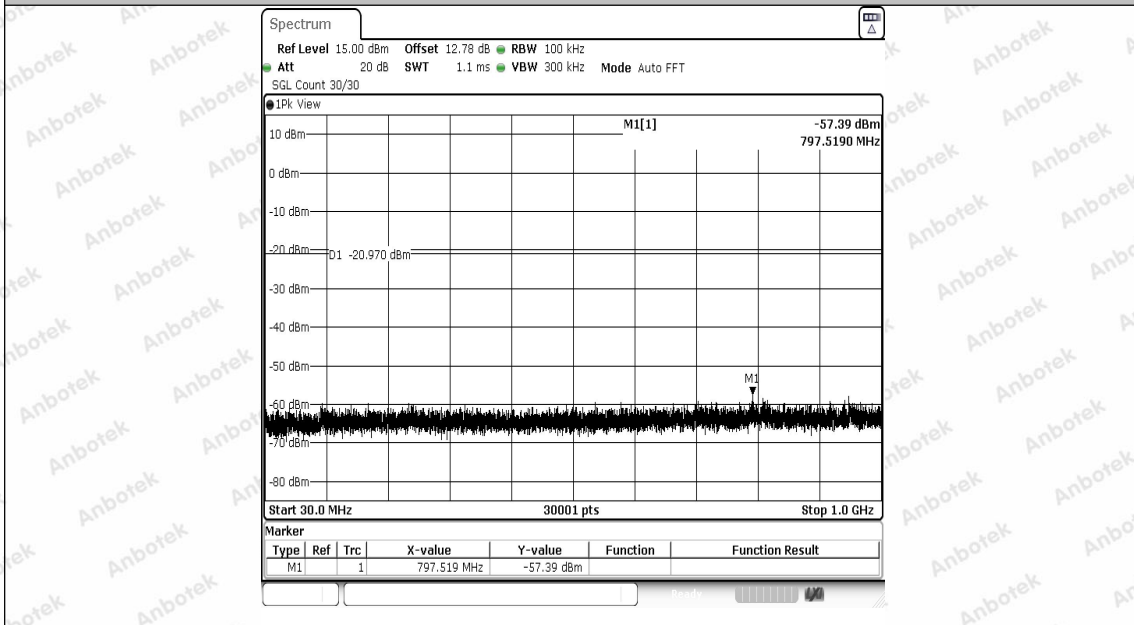
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	0~Reference	-0.97	-0.97	---	PASS
2.4G	Ant1	2403	30~1000	-0.97	-57.39	≤-20.97	PASS
2.4G	Ant1	2403	1000~26500	-0.97	-50.31	≤-20.97	PASS
2.4G	Ant1	2441	0~Reference	-1.29	-1.29	---	PASS
2.4G	Ant1	2441	30~1000	-1.29	-58.29	≤-21.29	PASS
2.4G	Ant1	2441	1000~26500	-1.29	-33.14	≤-21.29	PASS
2.4G	Ant1	2479	0~Reference	-2.34	-2.34	---	PASS
2.4G	Ant1	2479	30~1000	-2.34	-57.59	≤-22.34	PASS
2.4G	Ant1	2479	1000~26500	-2.34	-35.69	≤-22.34	PASS



Test Graphs

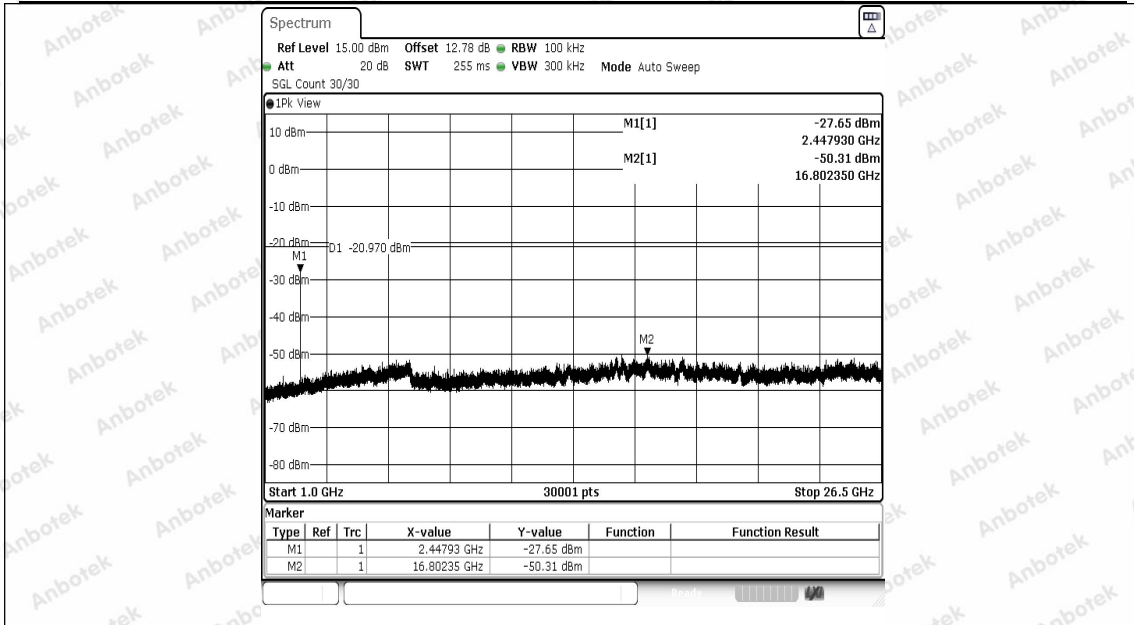


2.4G-Ant1-2403-0~Reference-PASS

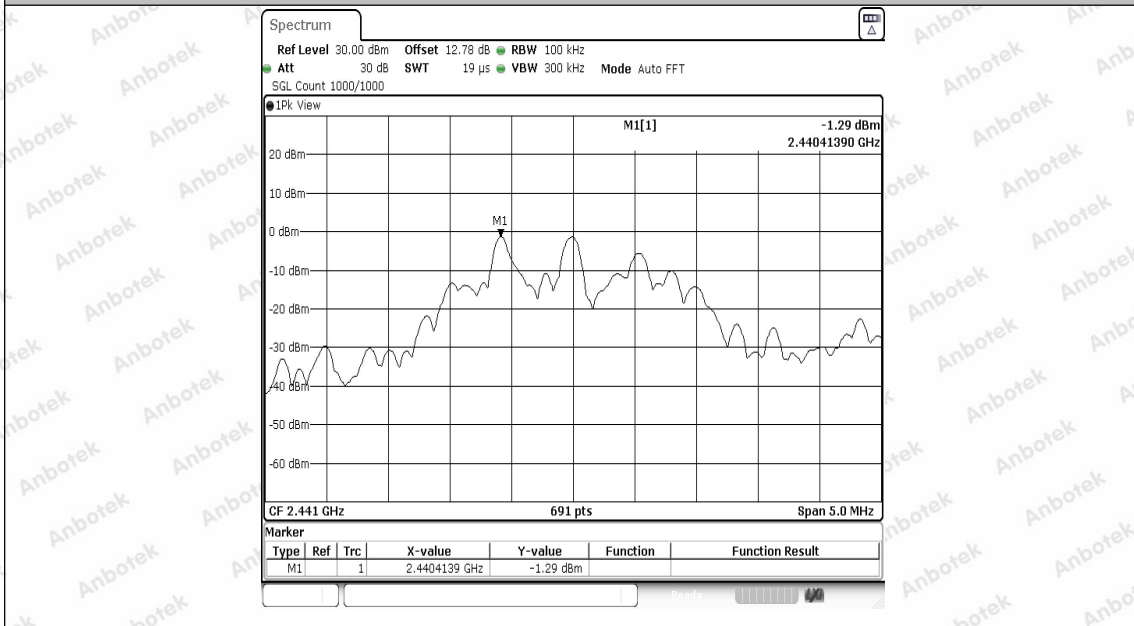


2.4G-Ant1-2403-30~1000-PASS





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



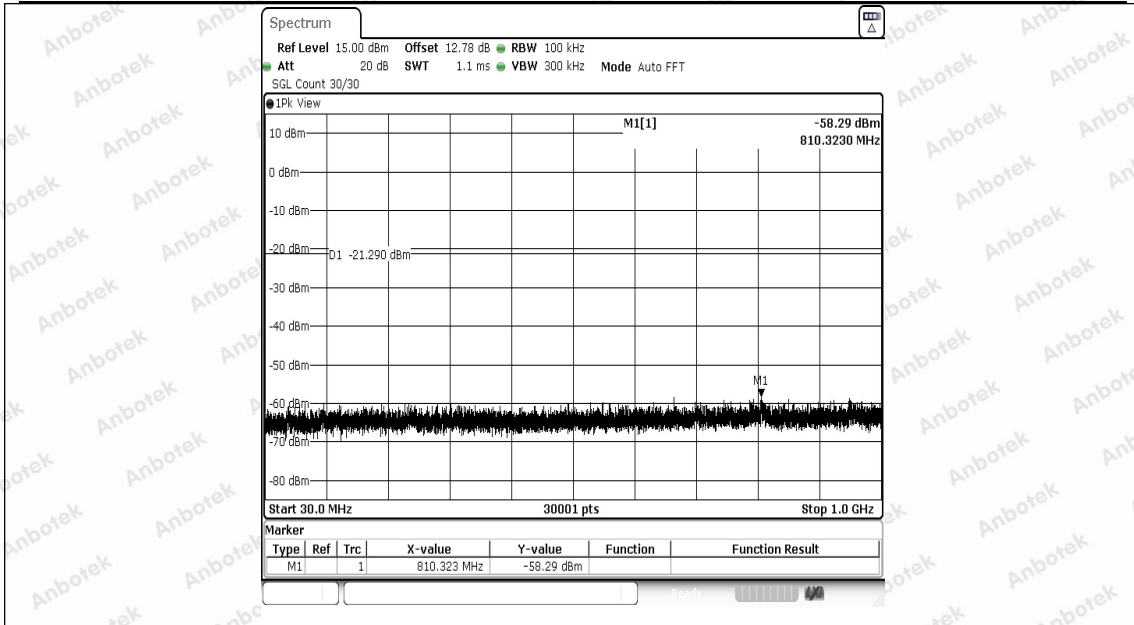
2.4G-Ant1-2441-0~Reference-PASS

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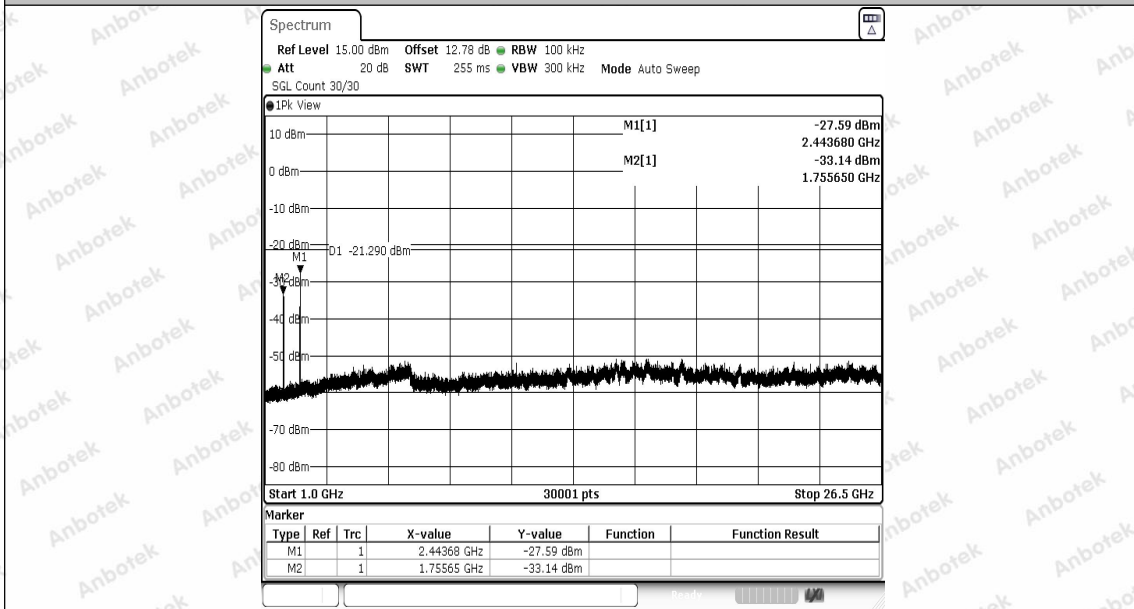
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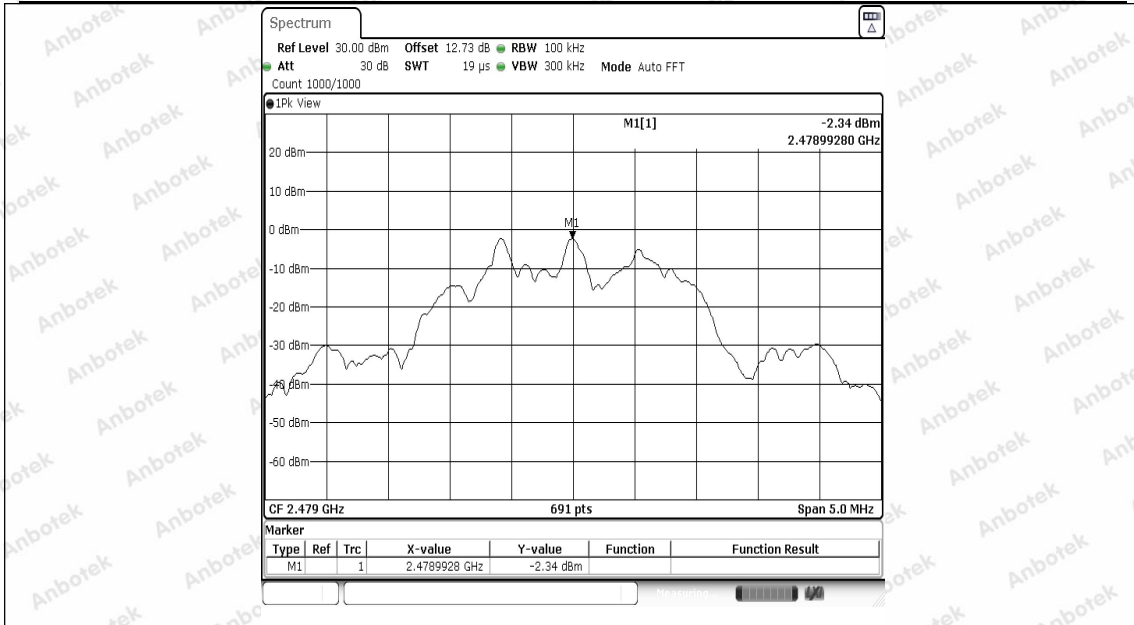


2.4G-Ant1-2441-30~1000-PASS

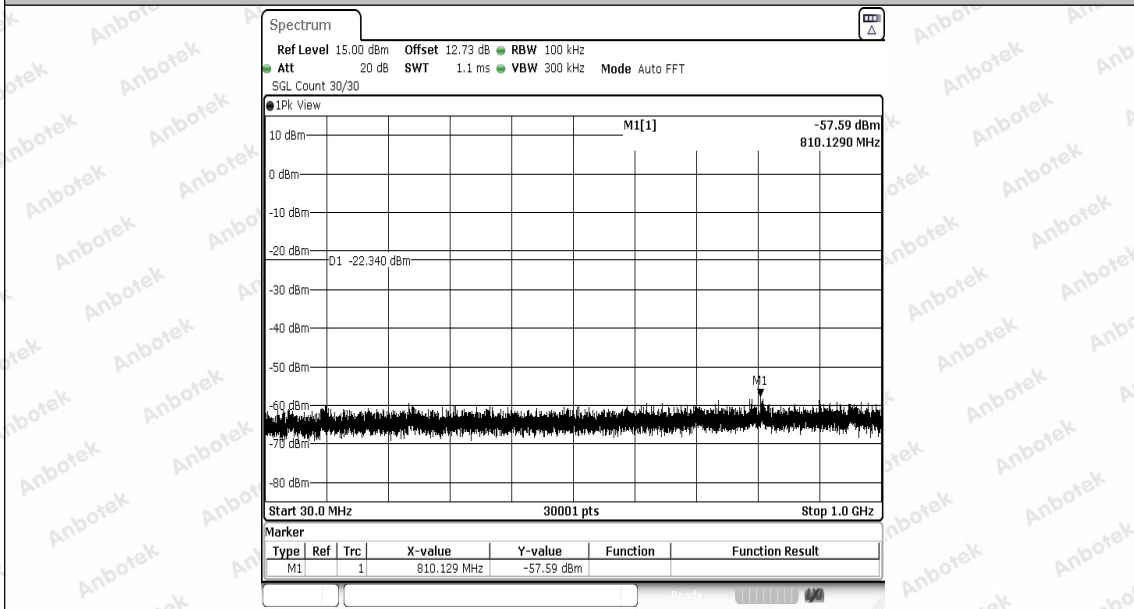


2.4G-Ant1-2441-1000~26500-PASS



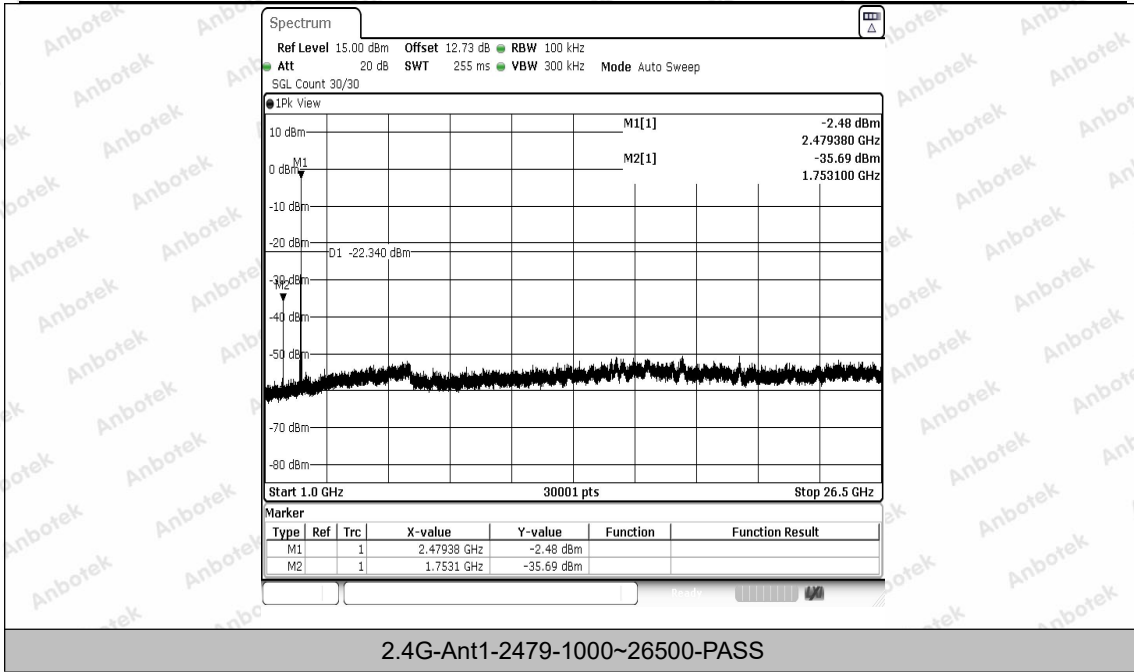


2.4G-Ant1-2479-0~Reference-PASS



2.4G-Ant1-2479-30~1000-PASS





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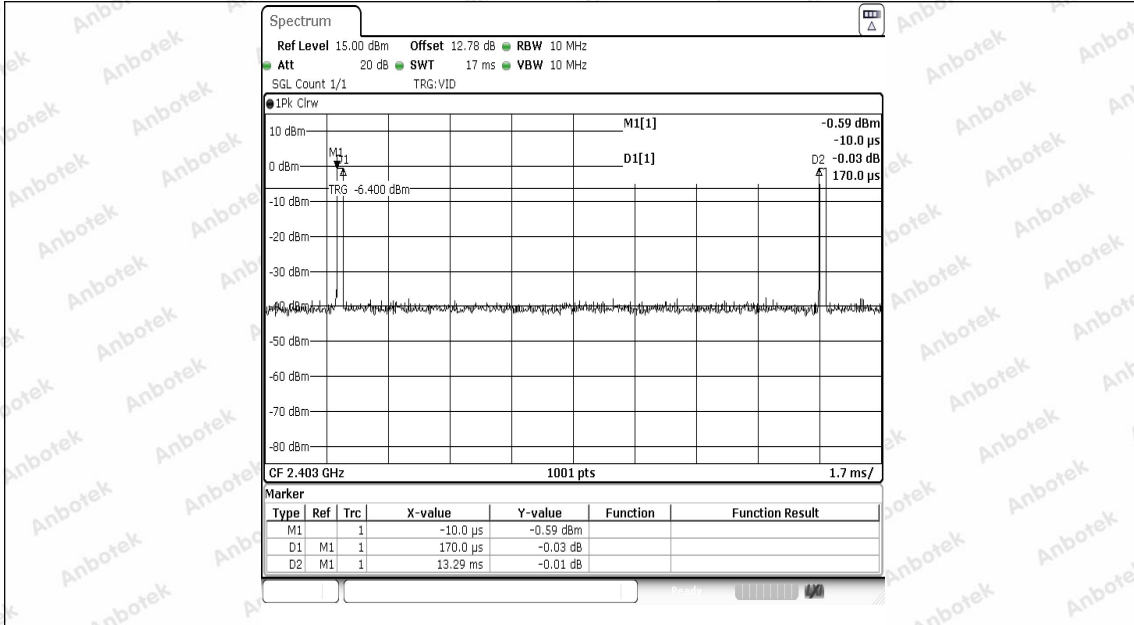
Appendix I: Duty Cycle

Test Result

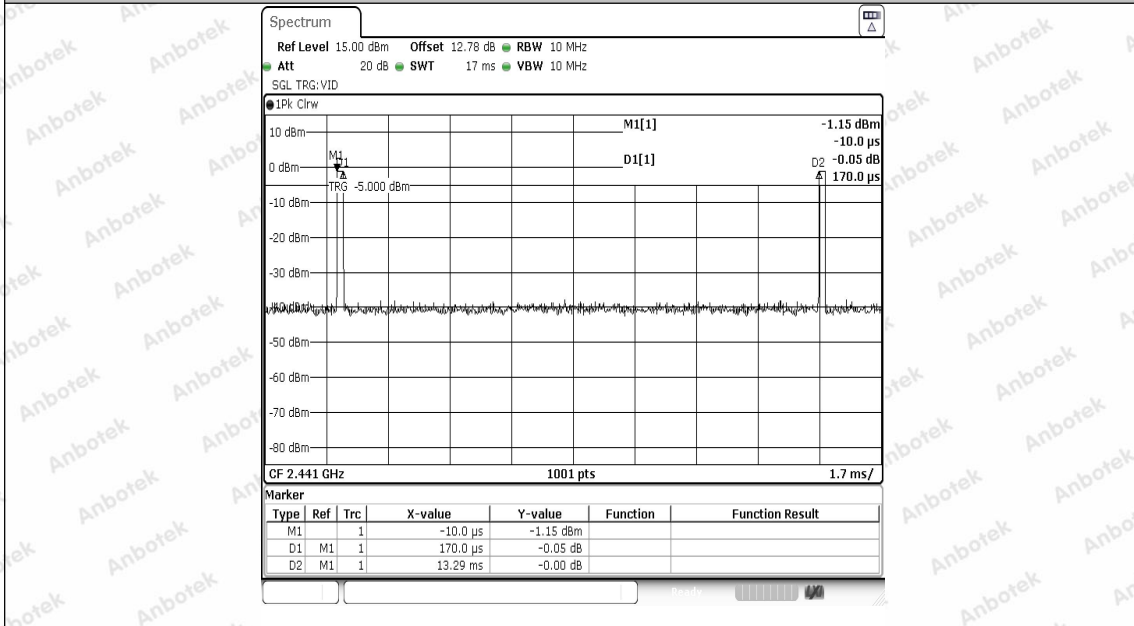
TestMode	Antenn a	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2403	0.17	13.29	1.28	18.93
2.4G	Ant1	2441	0.17	13.29	1.28	18.93
2.4G	Ant1	2479	0.17	13.29	1.28	18.93



Test Graphs

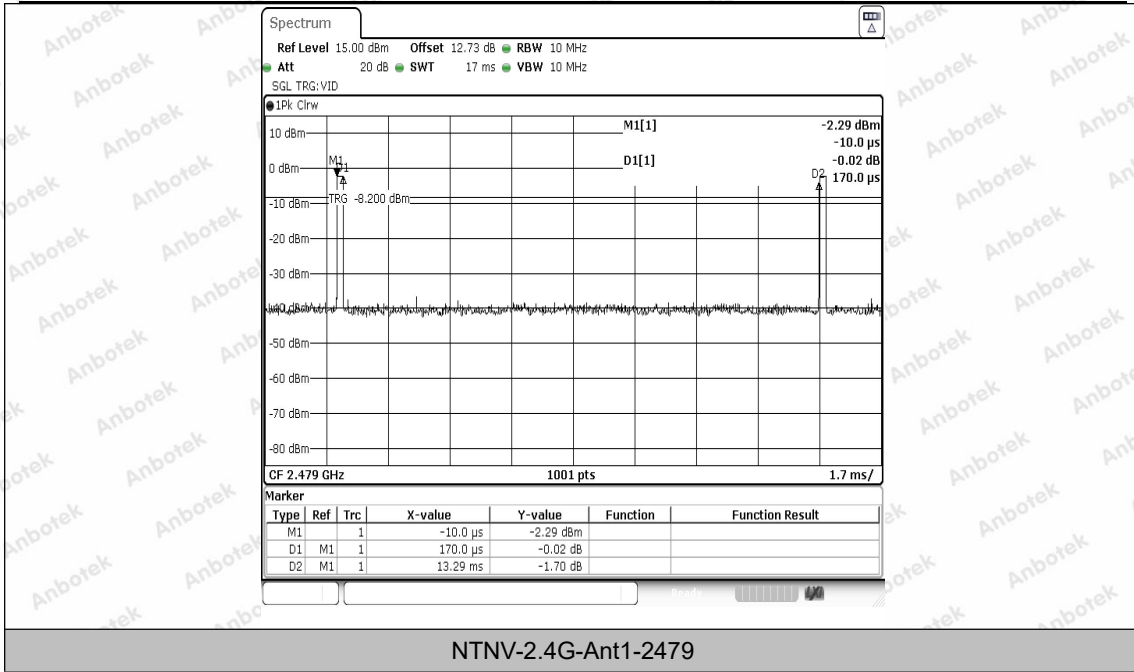


NTNV-2.4G-Ant1-2403



NTNV-2.4G-Ant1-2441





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