

Appendix Test Data

Report No:	182512C400095101	Test Sample NO:	1-2-2
Start Test Date:	2024.6.23	Finish Test Date:	2024.6.25
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26.3°C	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	2.03	2401.98	2404.01	---	---
2.4G	Ant1	2441	2.03	2439.98	2442.01	---	---
2.4G	Ant1	2479	2.03	2477.98	2480.01	---	---

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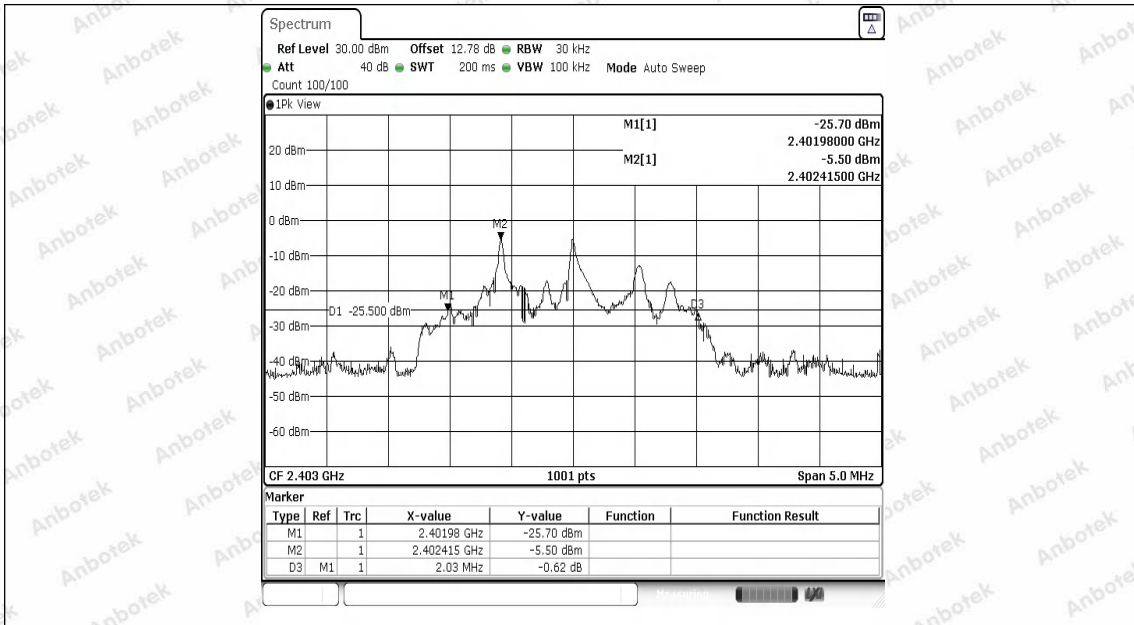
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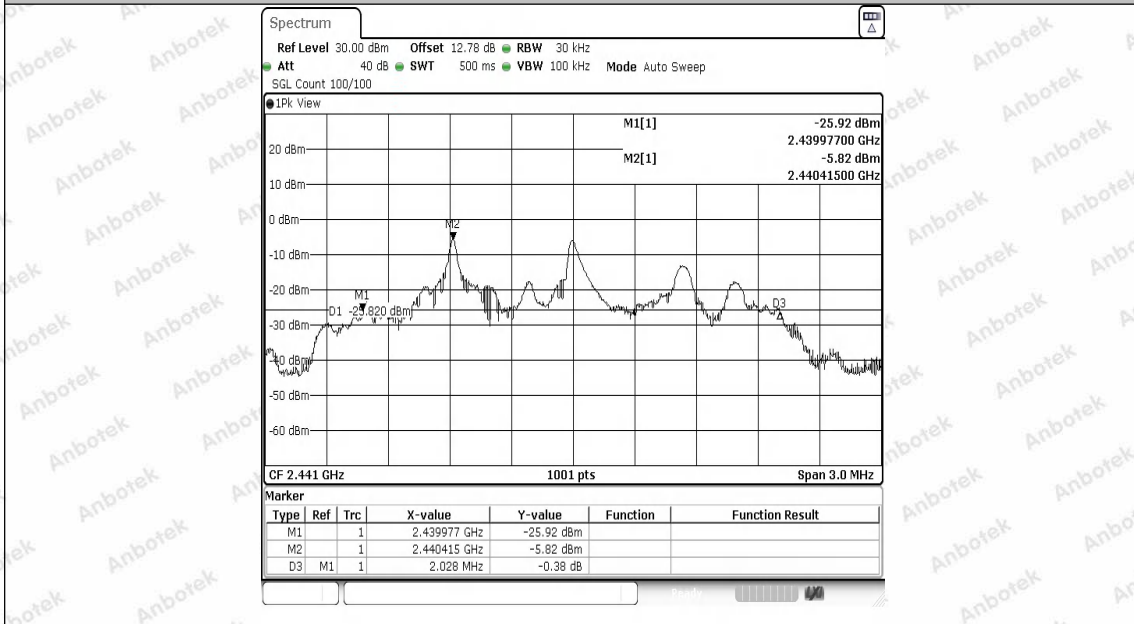
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Test Graphs

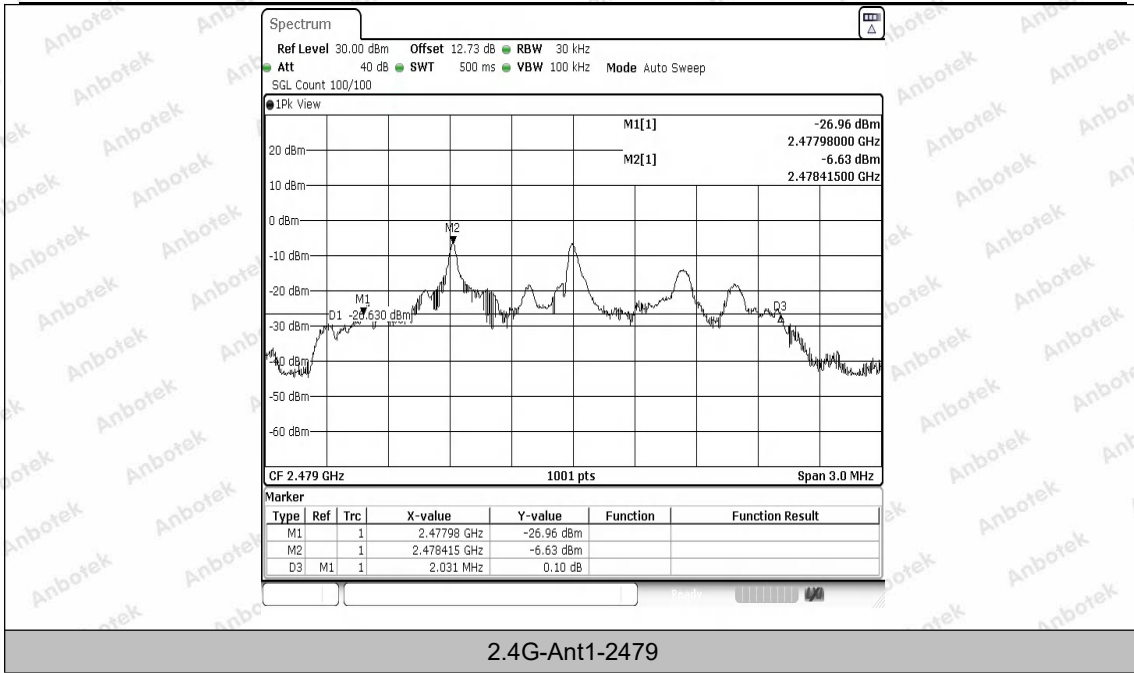


2.4G-Ant1-2403



2.4G-Ant1-2441





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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.098	2401.9411	2404.0390	---	---
2.4G	Ant1	2441	2.173	2439.8262	2441.9990	---	---
2.4G	Ant2	2479	2.218	2477.8212	2480.0390	---	---

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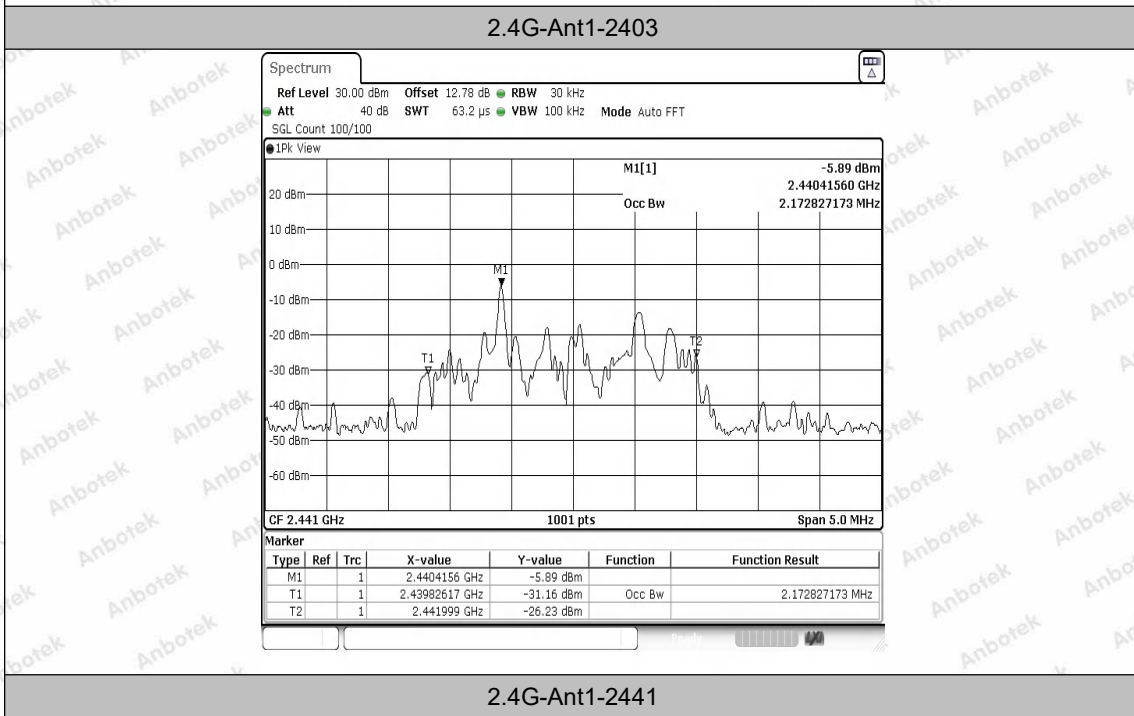
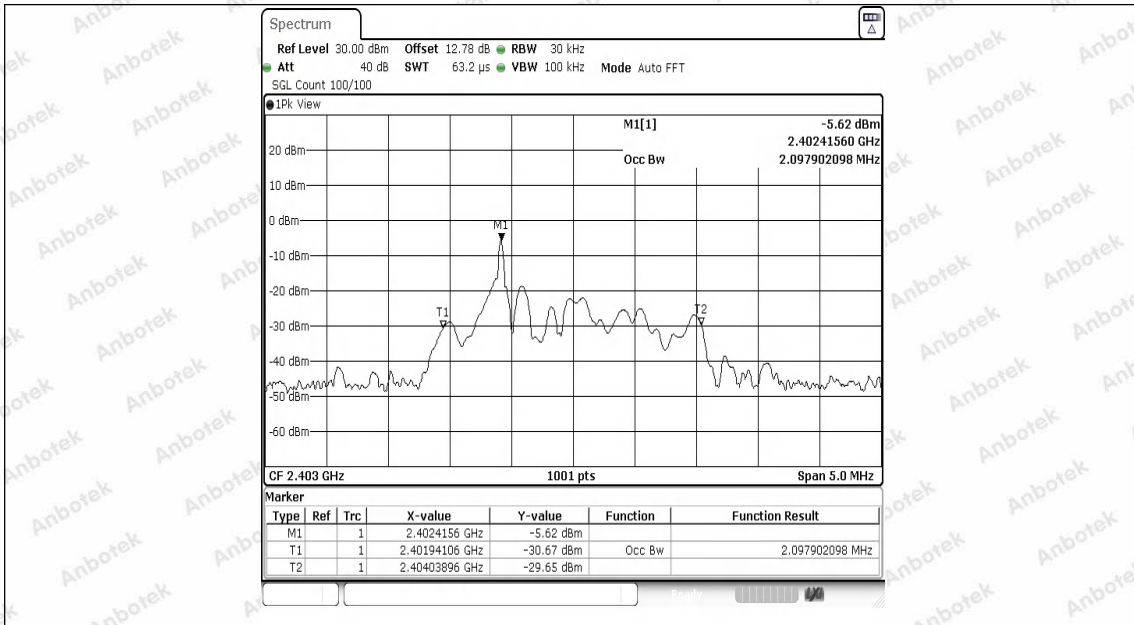
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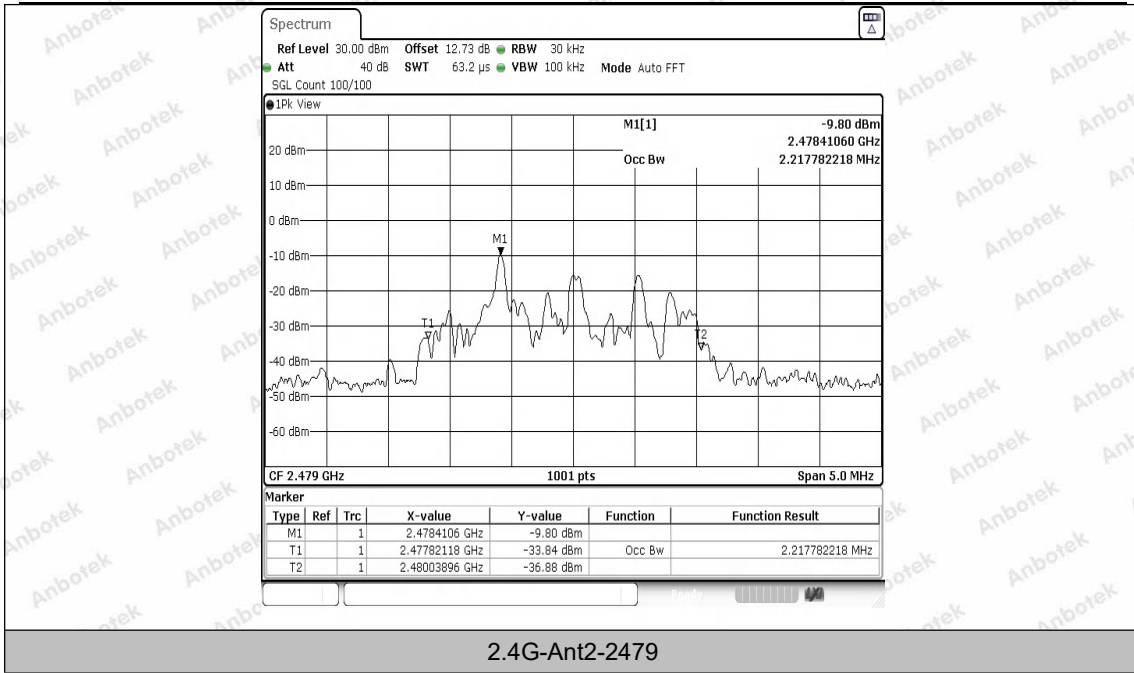


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Test Graphs





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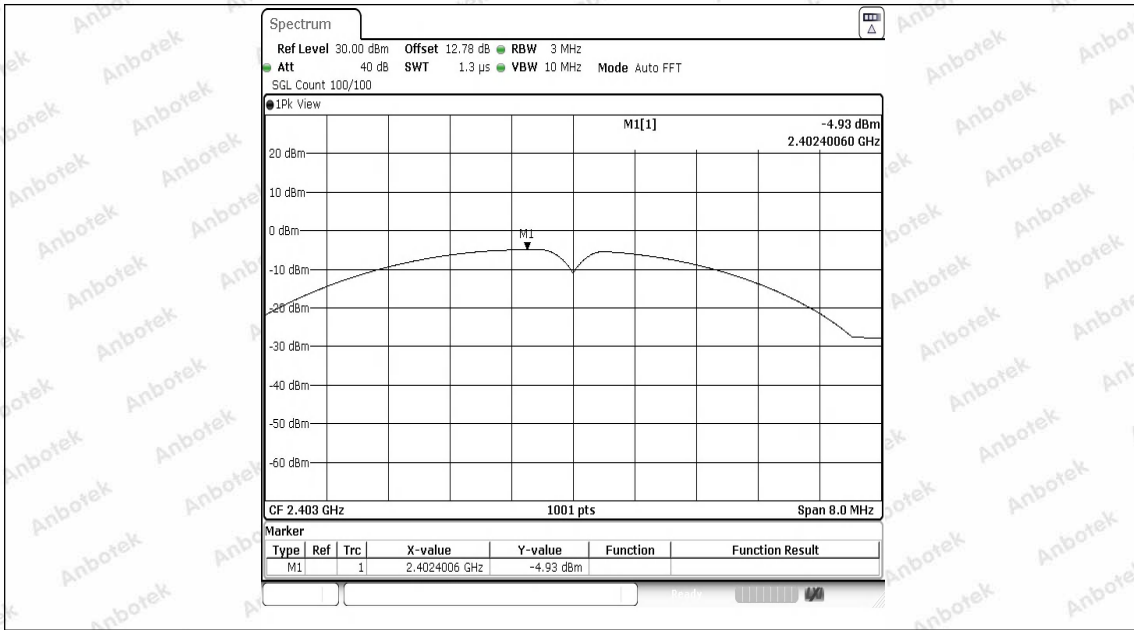
Appendix C: Maximum conducted output power

Test Result Peak

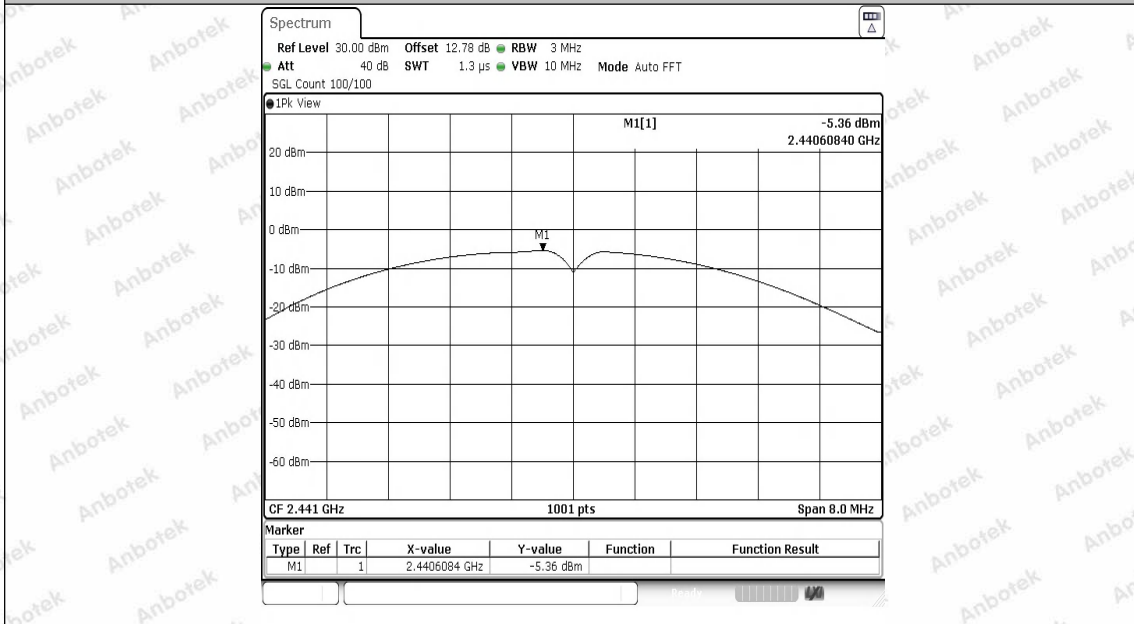
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	-4.93	≤20.97	PASS
2.4G	Ant1	2441	-5.36	≤20.97	PASS
2.4G	Ant1	2479	-6.26	≤20.97	PASS



Test Graphs

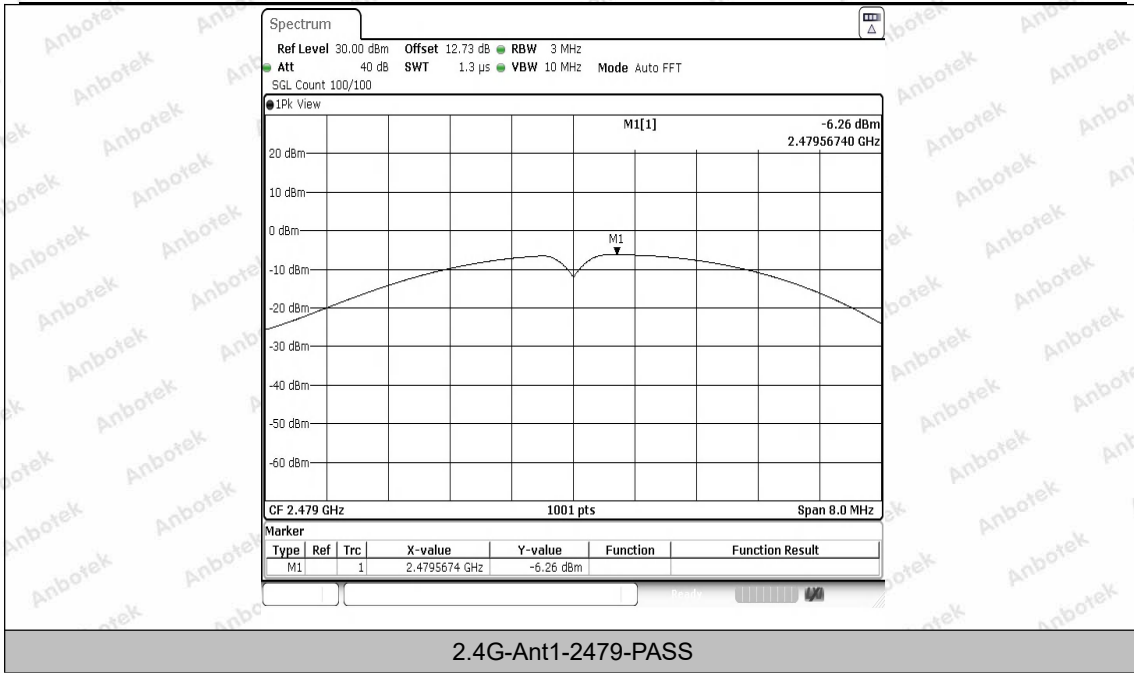


2.4G-Ant1-2403-PASS



2.4G-Ant1-2441-PASS





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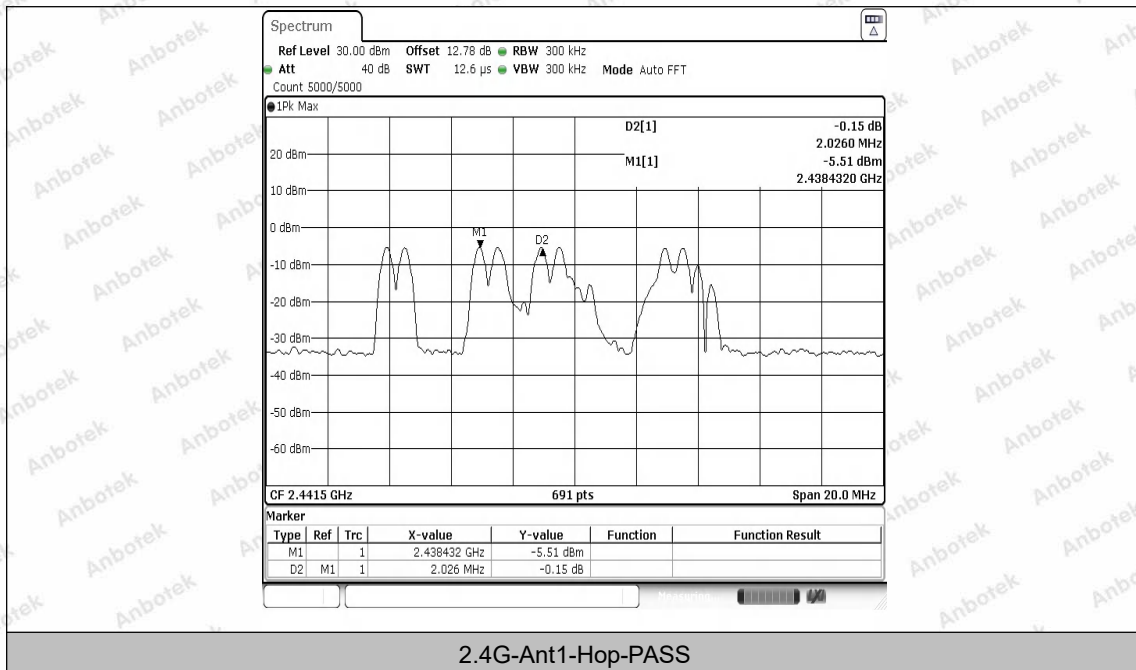


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.026	≥1.353	PASS

Test Graphs

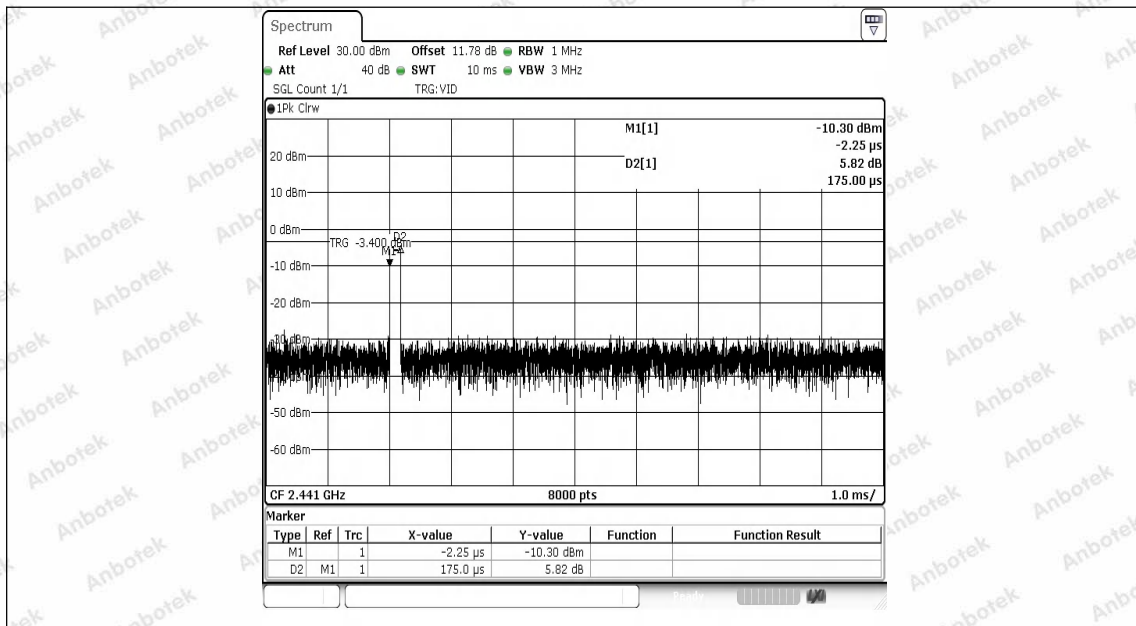


Appendix E: Time of occupancy

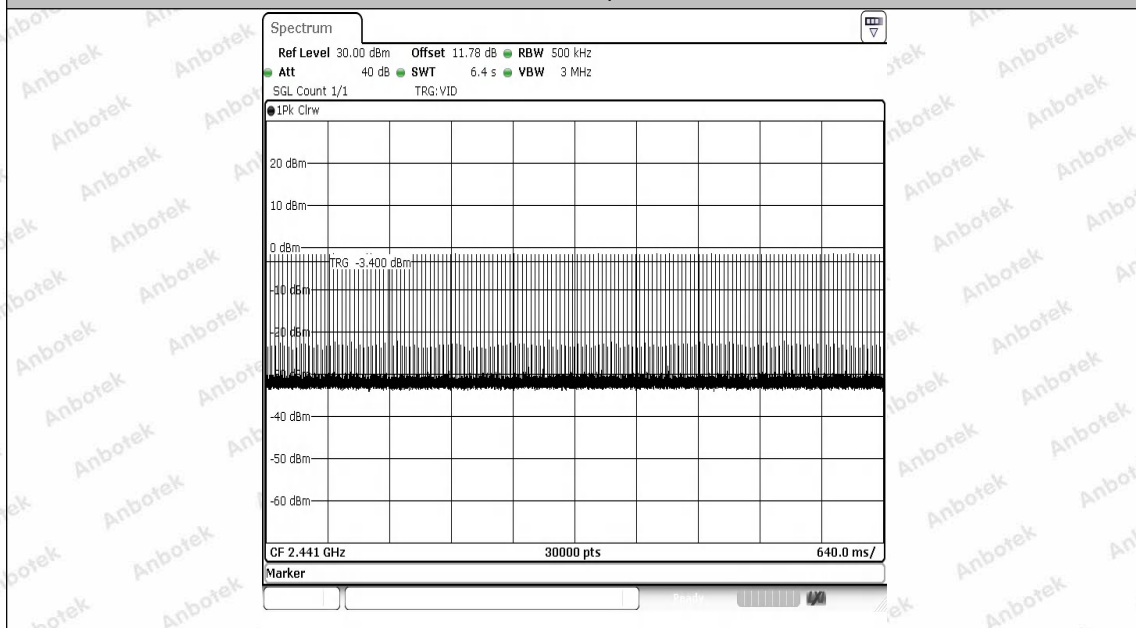
Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.175	310	0.054	≤0.4	PASS

Test Graphs



2.4G-Ant1-Hop-PASS

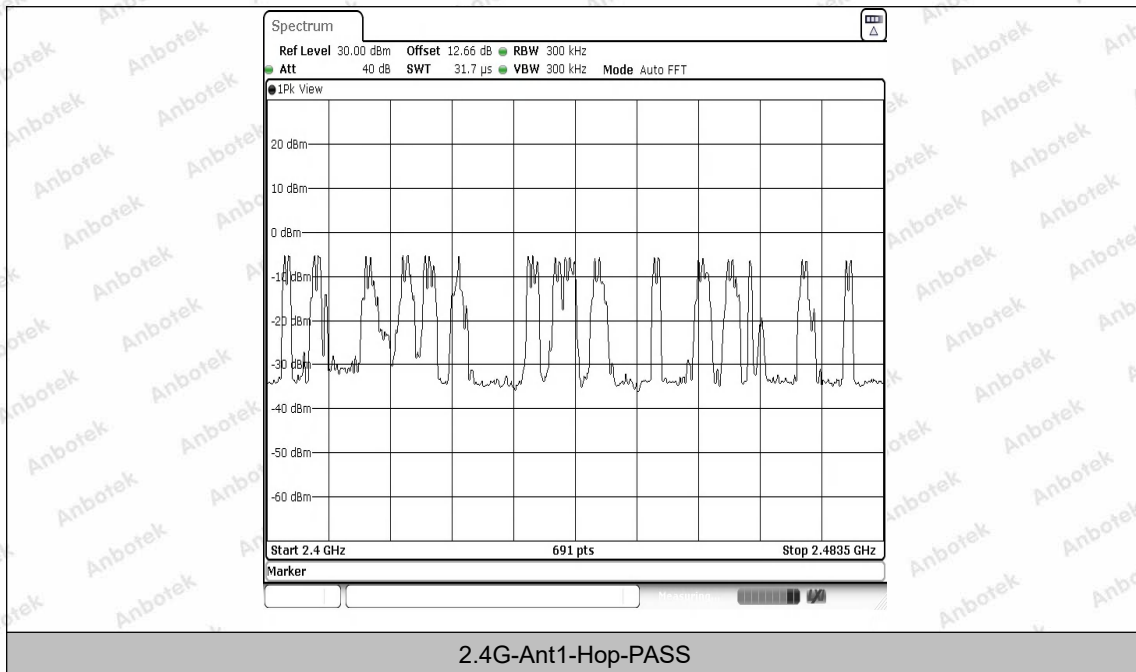


Appendix F: Number of hopping channels

Test Result

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

Test Graphs



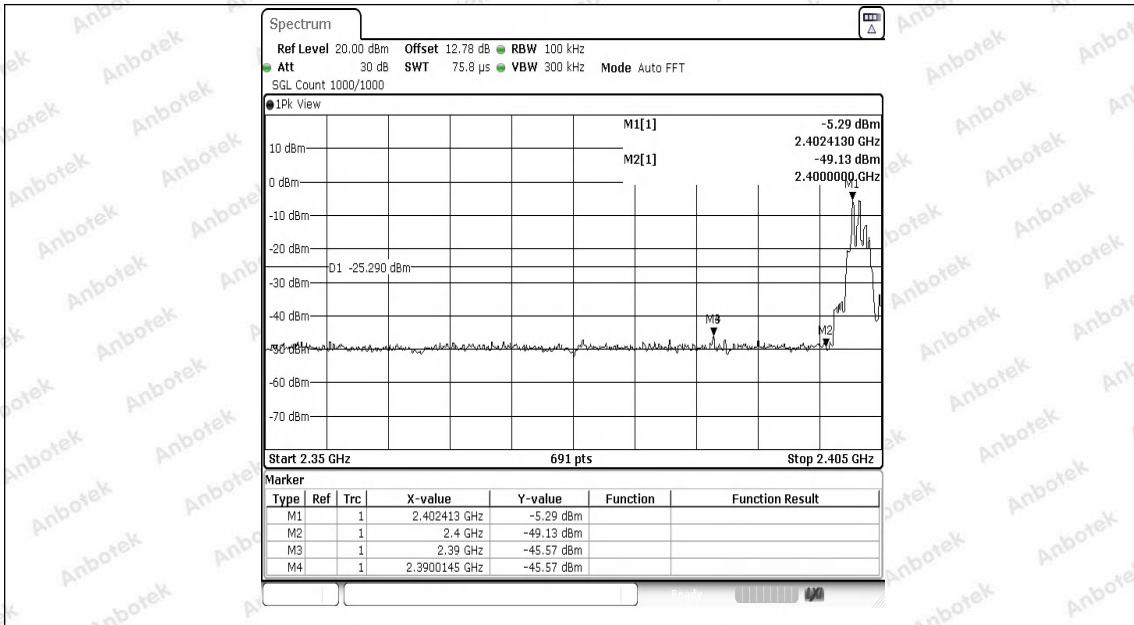
Appendix G: Band edge measurements

Test Result

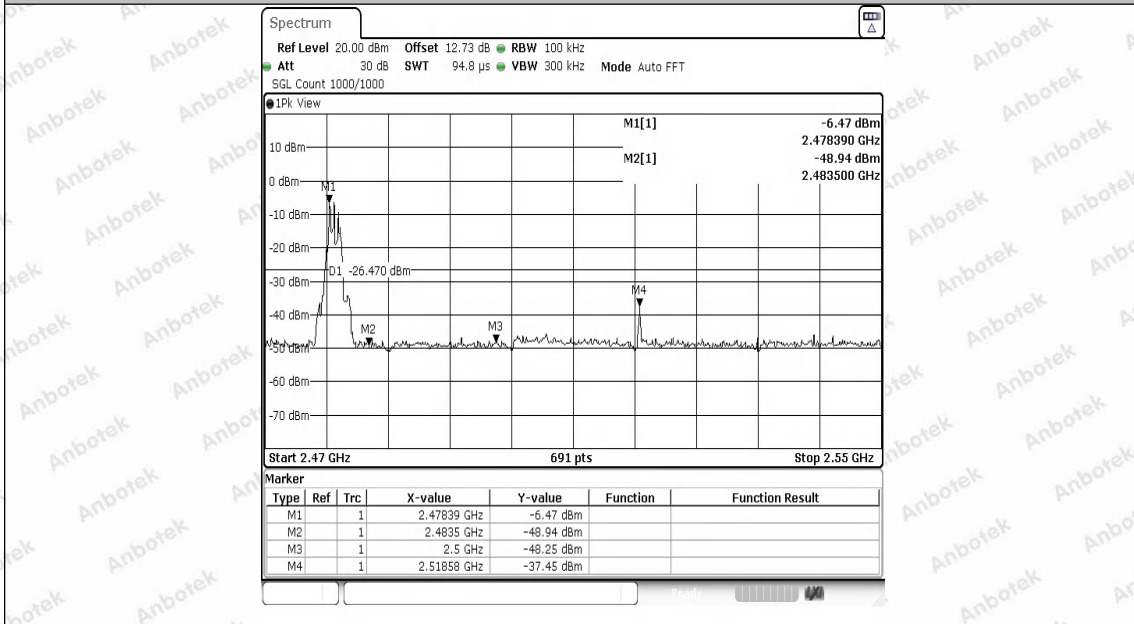
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	-5.29	-45.57	≤-25.29	PASS
2.4G	Ant1	High	2479	-6.47	-37.45	≤-26.47	PASS
2.4G	Ant1	Low	Hop_2403	-10.42	-47.36	≤-30.42	PASS
2.4G	Ant1	High	Hop_2479	-5.65	-46.38	≤-25.65	PASS



Test Graphs

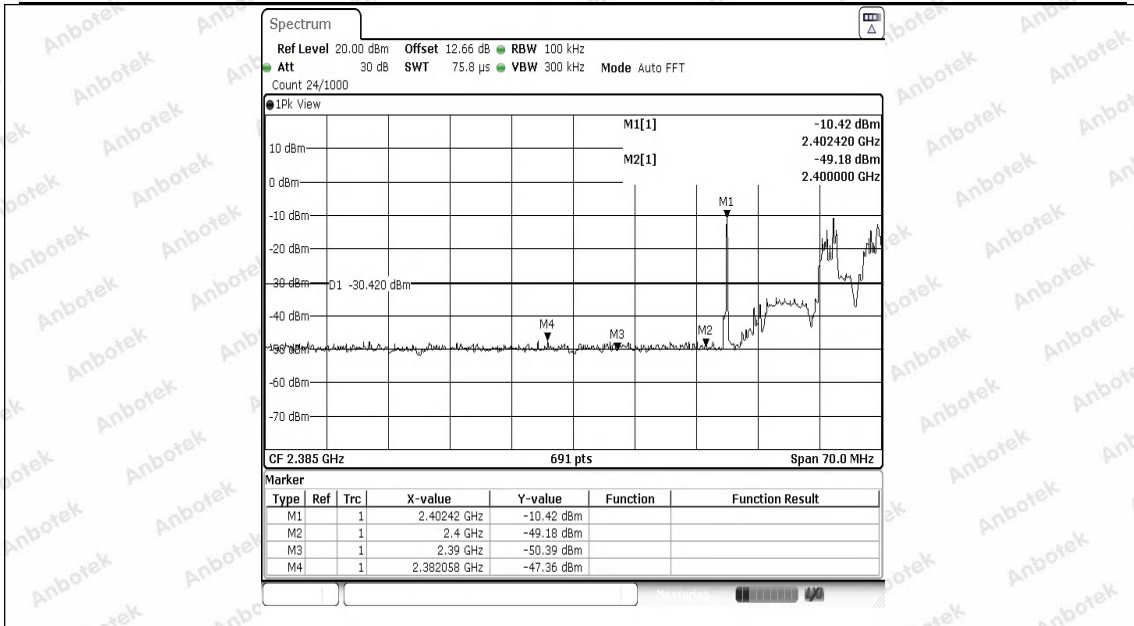


2.4G-Ant1-2403-PASS

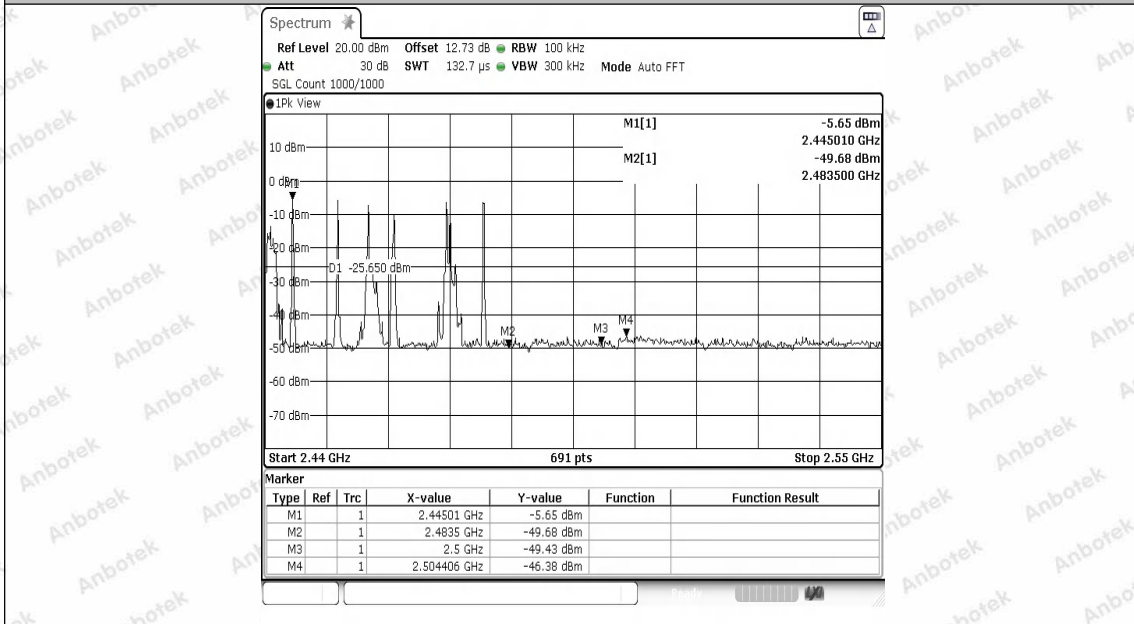


2.4G-Ant1-2479-PASS





2.4G-Ant1-Hop_2403-PASS



2.4G-Ant1-Hop_2479-PASS

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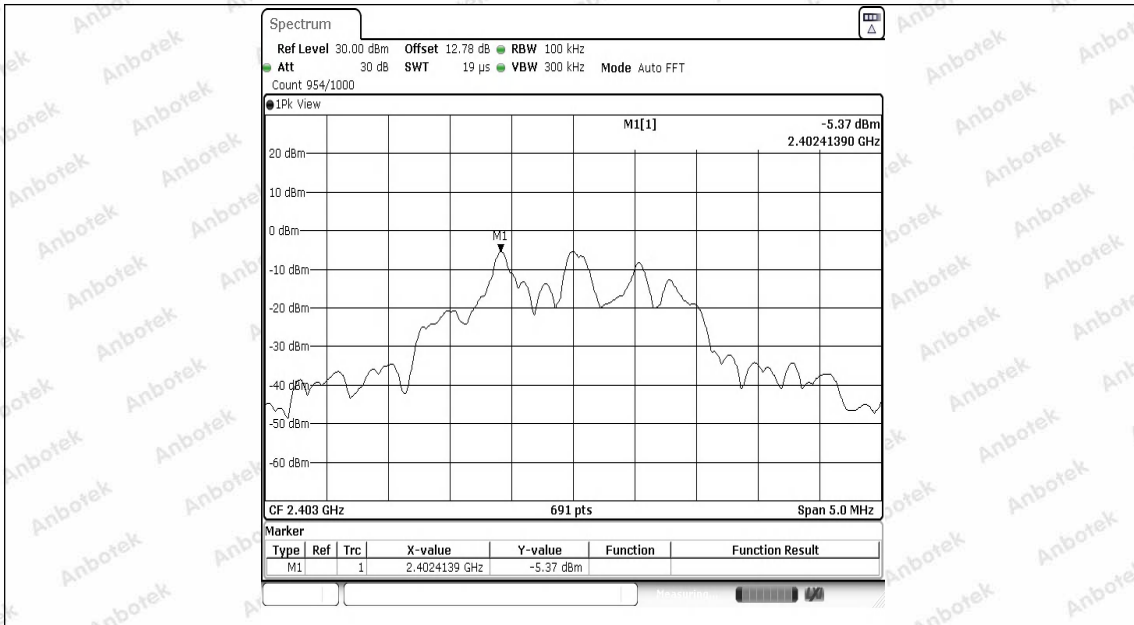
Appendix H: Conducted Spurious Emission

Test Result

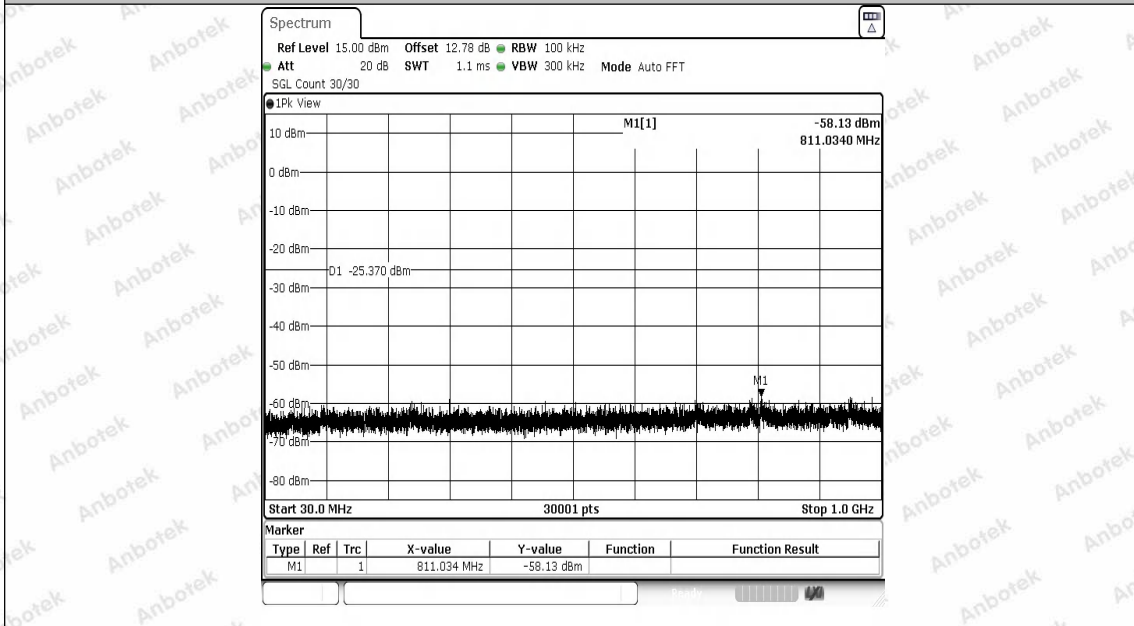
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	0~Reference	-5.37	-5.37	---	PASS
2.4G	Ant1	2403	30~1000	-5.37	-58.13	≤-25.37	PASS
2.4G	Ant1	2403	1000~26500	-5.37	-36.16	≤-25.37	PASS
2.4G	Ant1	2441	0~Reference	-5.62	-5.62	---	PASS
2.4G	Ant1	2441	30~1000	-5.62	-57.8	≤-25.62	PASS
2.4G	Ant1	2441	1000~26500	-5.62	-34.17	≤-25.62	PASS
2.4G	Ant1	2479	0~Reference	-6.50	-6.50	---	PASS
2.4G	Ant1	2479	30~1000	-6.50	-57.69	≤-26.5	PASS
2.4G	Ant1	2479	1000~26500	-6.50	-37.86	≤-26.5	PASS



Test Graphs

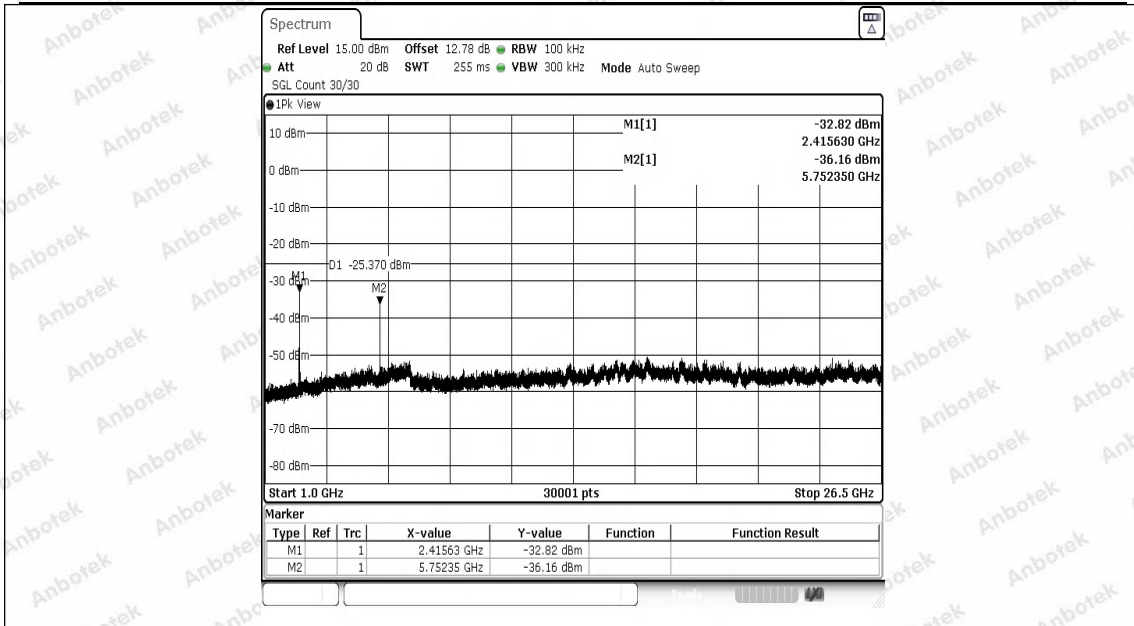


2.4G-Ant1-2403-0~Reference-PASS

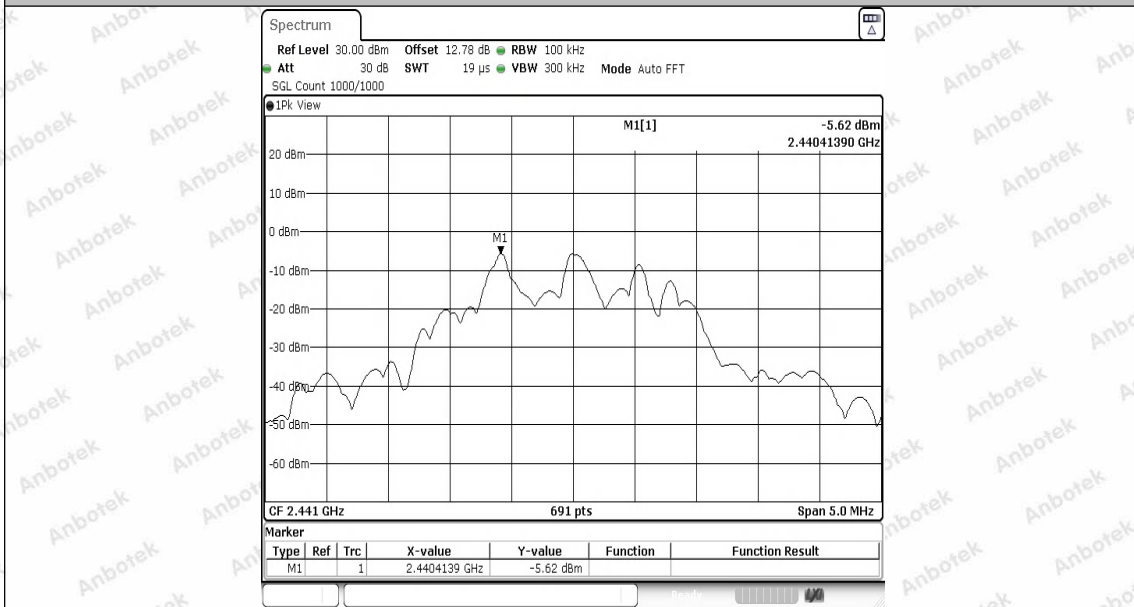


2.4G-Ant1-2403-30~1000-PASS



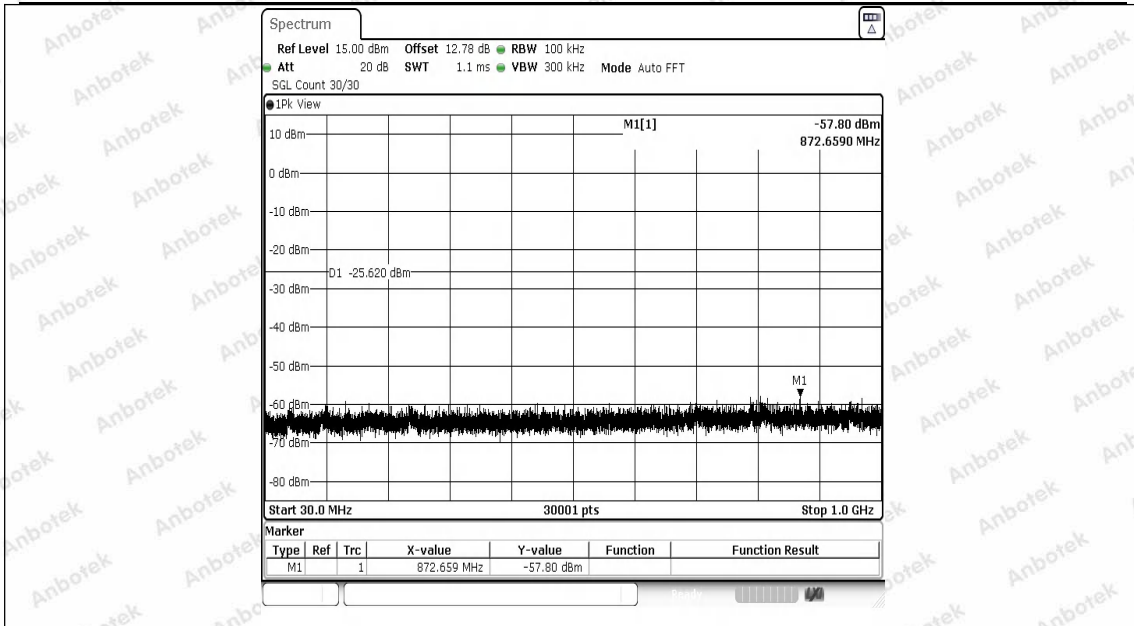


2.4G-Ant1-2403-1000~26500-PASS

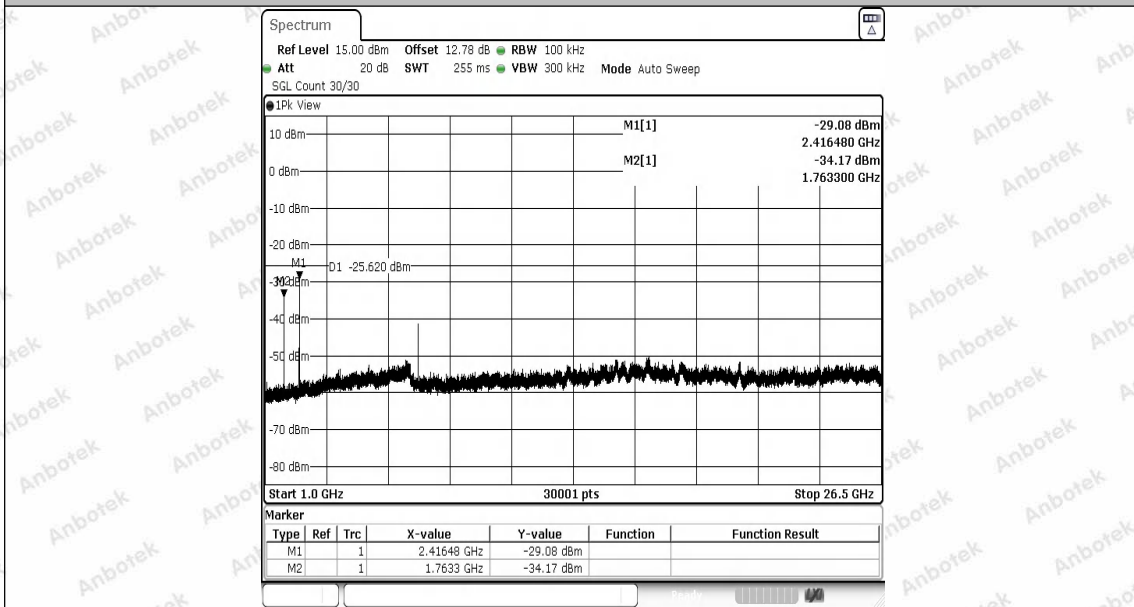


2.4G-Ant1-2441-0~Reference-PASS



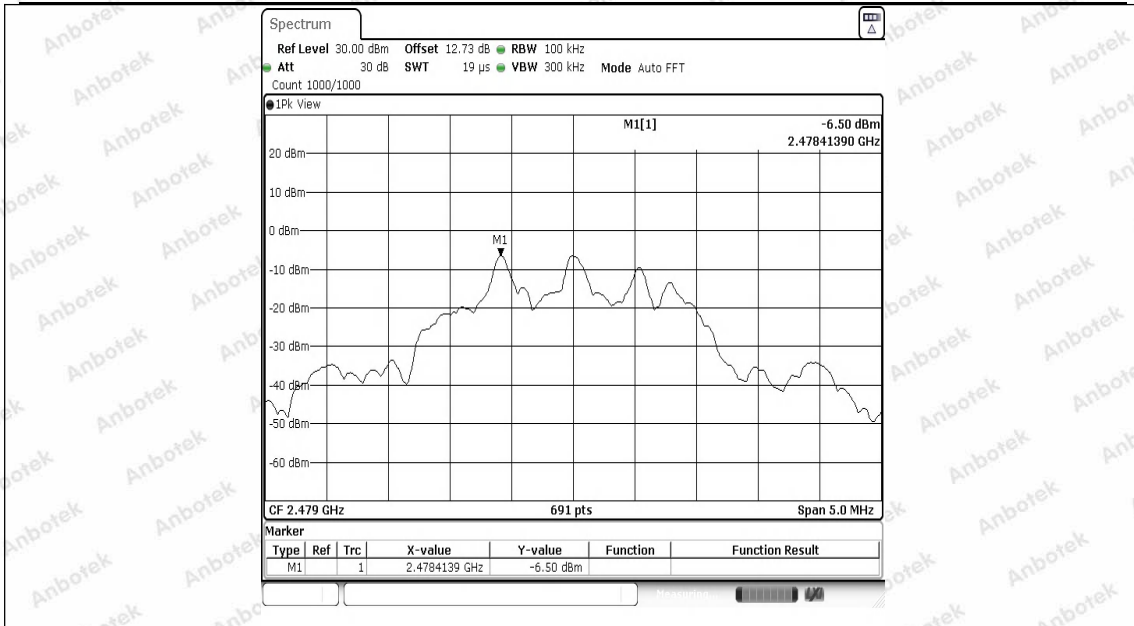


2.4G-Ant1-2441-30~1000-PASS

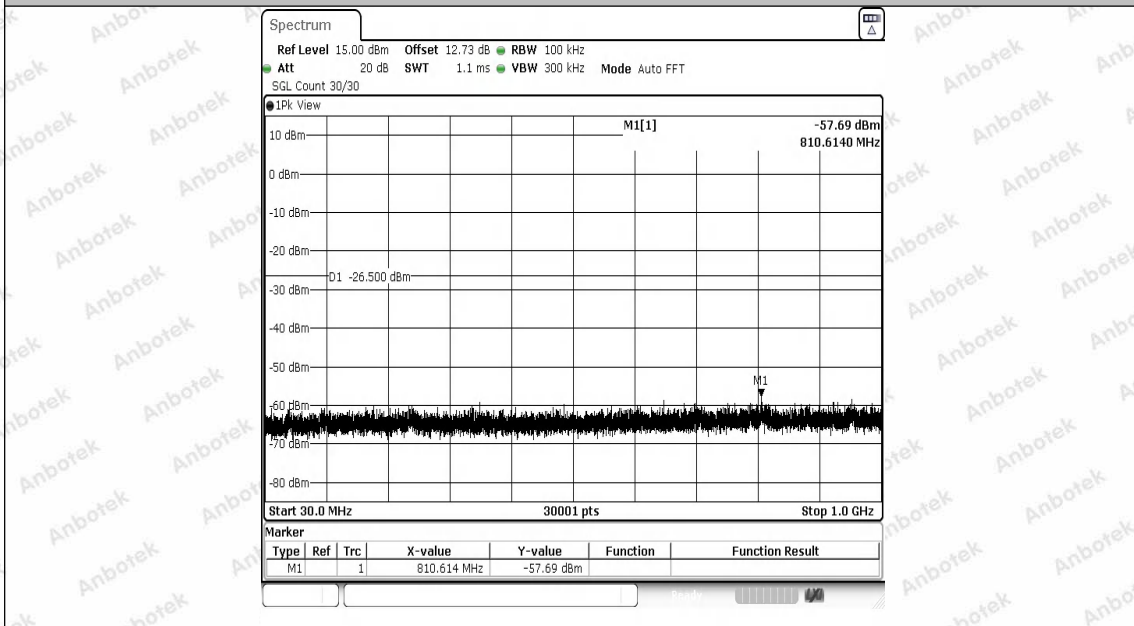


2.4G-Ant1-2441-1000~26500-PASS



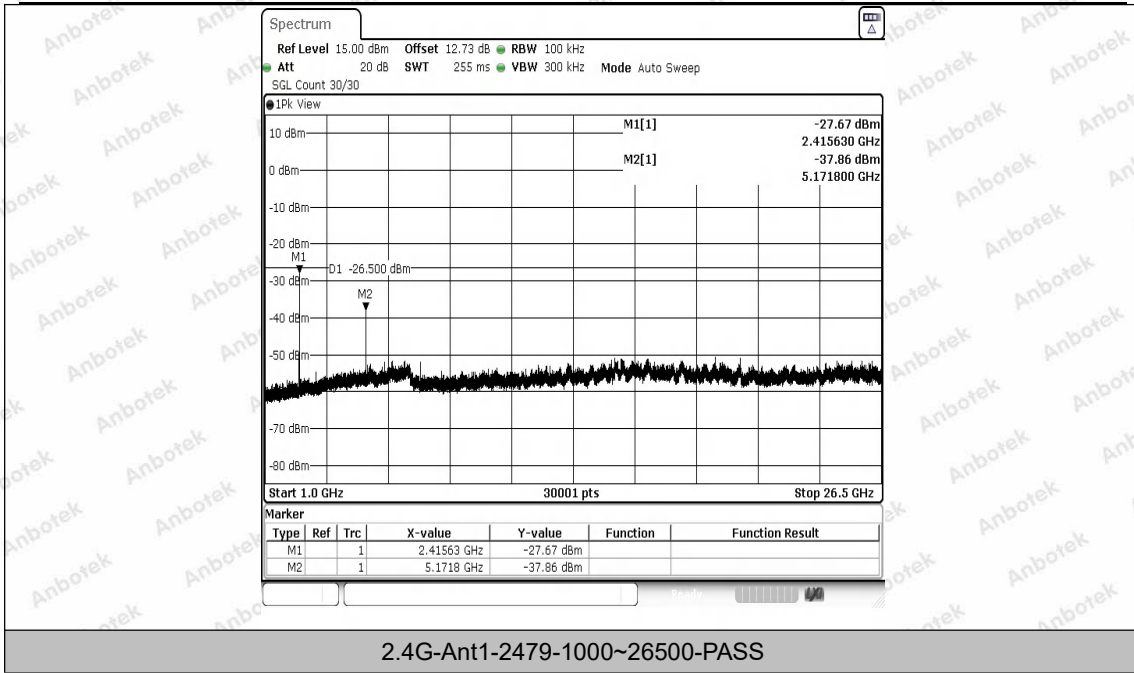


2.4G-Ant1-2479-0~Reference-PASS



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





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Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[M Hz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2403	0.17	8.70	1.95	17.10
2.4G	Ant1	2441	0.18	8.69	2.07	16.84
2.4G	Ant1	2479	0.18	8.69	2.07	16.84

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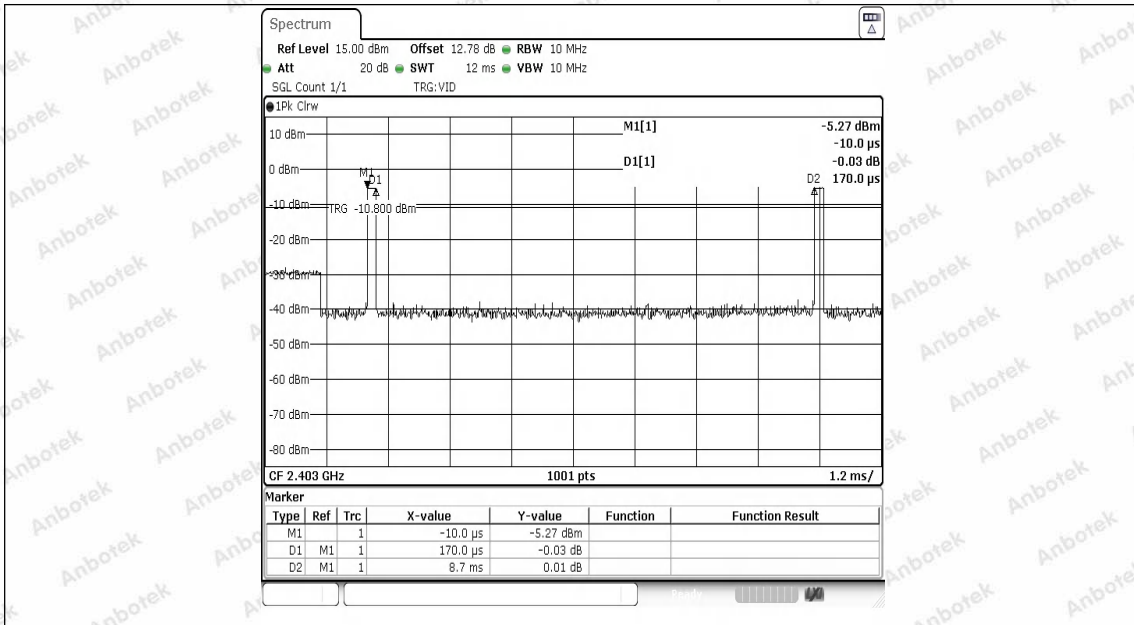
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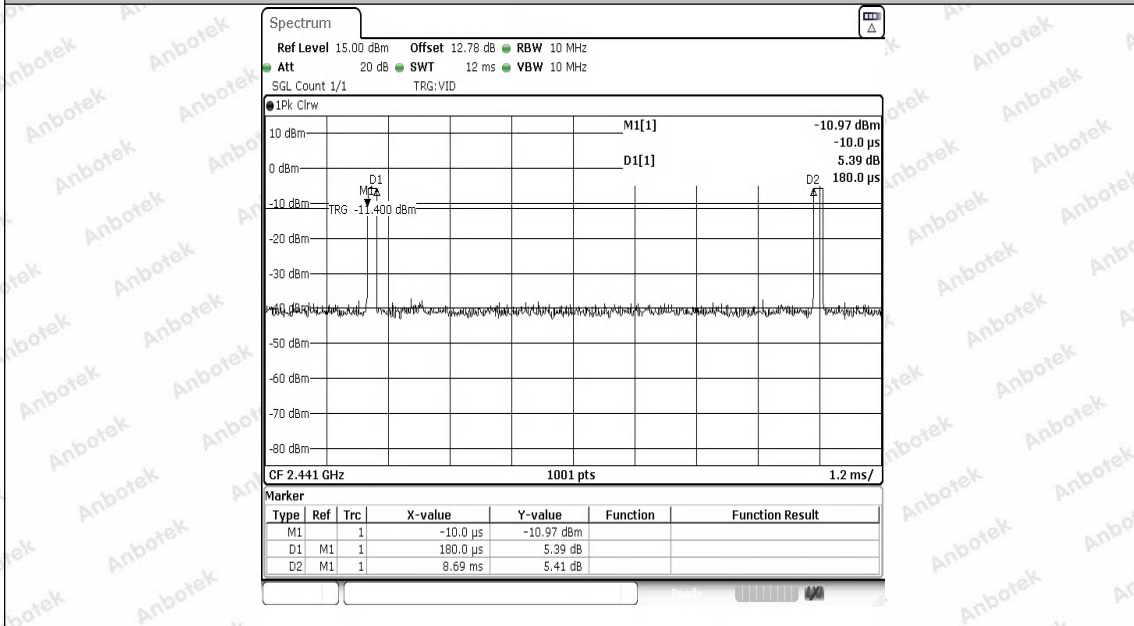
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Test Graphs

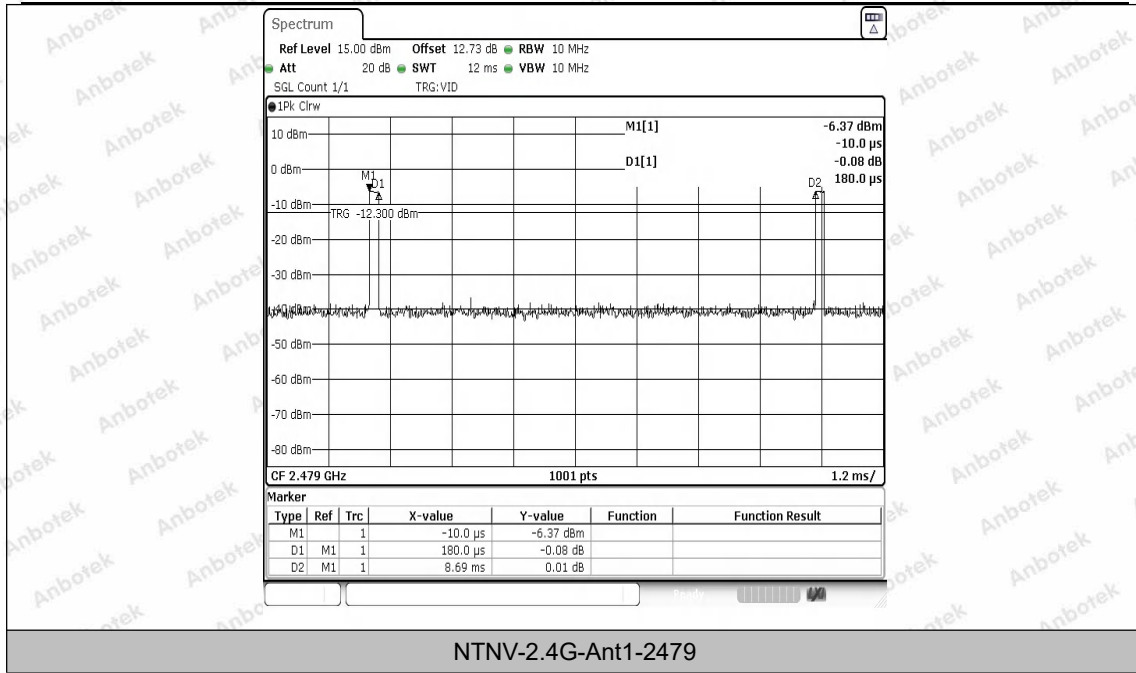


NTNV-2.4G-Ant1-2403



NTNV-2.4G-Ant1-2441





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