

Appendix Test Data

Report No.:	1812C50015212501	Test Sample No.:	1-2-2
Start Test Date:	2025-1-14	Finish Test Date:	2025-1-20
Test Engineer:	Hu Sen Guan	Auditor:	Justin Feng
Temperature:	21.5°C	Relative Humidity:	39%
Pressure:	101kPa		

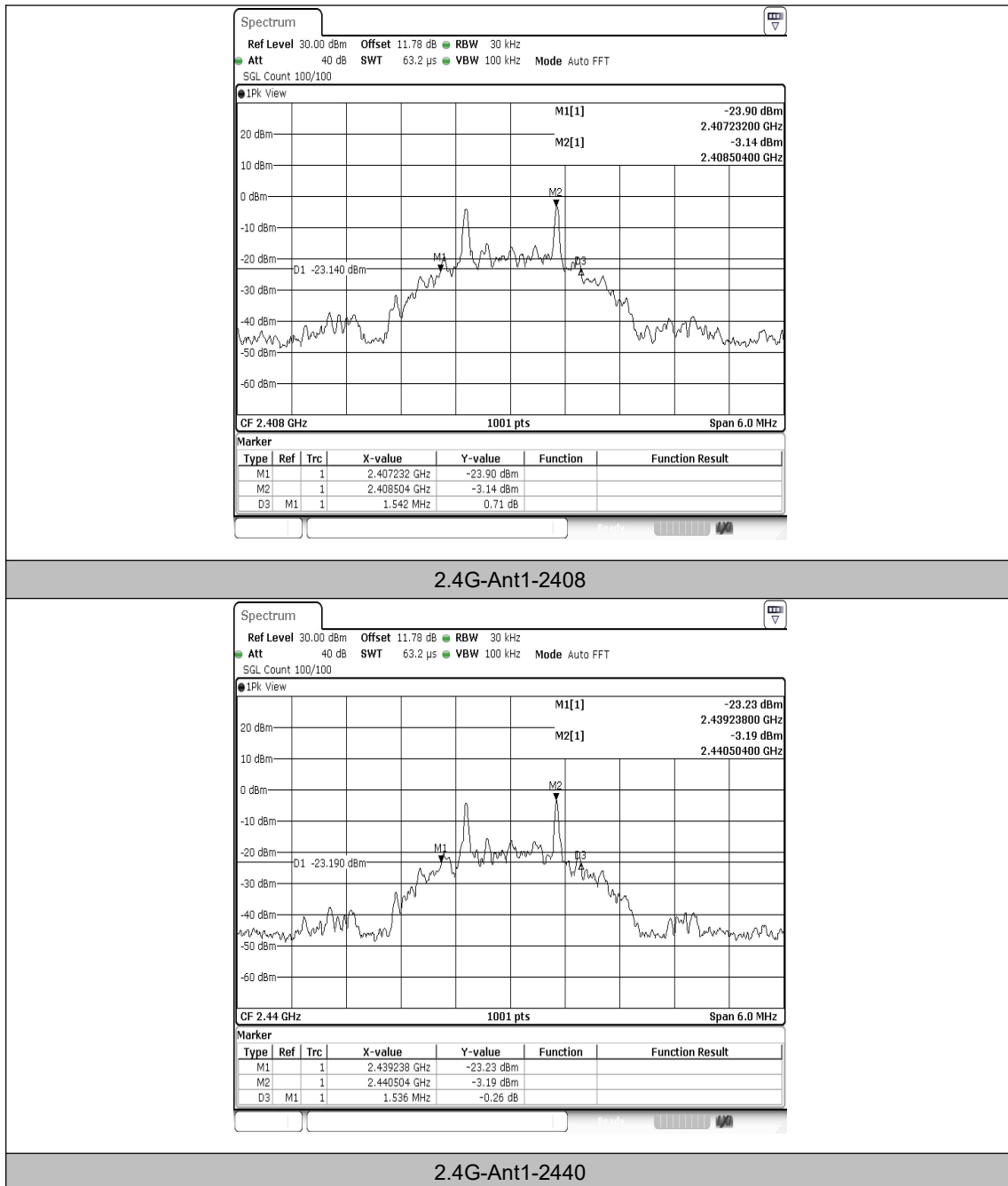
Appendix A: 20dB Bandwidth

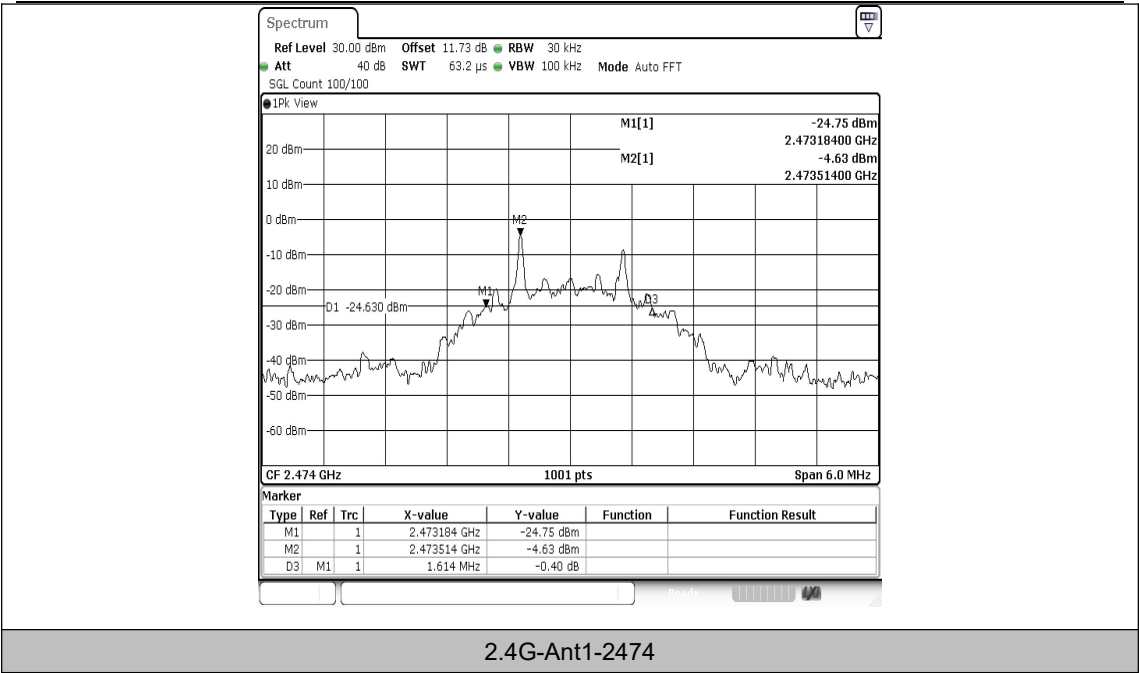
Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2408	1.54	2407.23	2408.77	---	---
2.4G	Ant1	2440	1.54	2439.24	2440.77	---	---
2.4G	Ant1	2474	1.61	2473.18	2474.80	---	---



Test Graphs





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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2408	2.008	2406.9930	2409.0010	---	---
2.4G	Ant1	2440	2.182	2438.9211	2441.1029	---	---
2.4G	Ant1	2474	2.056	2472.9870	2475.0430	---	---

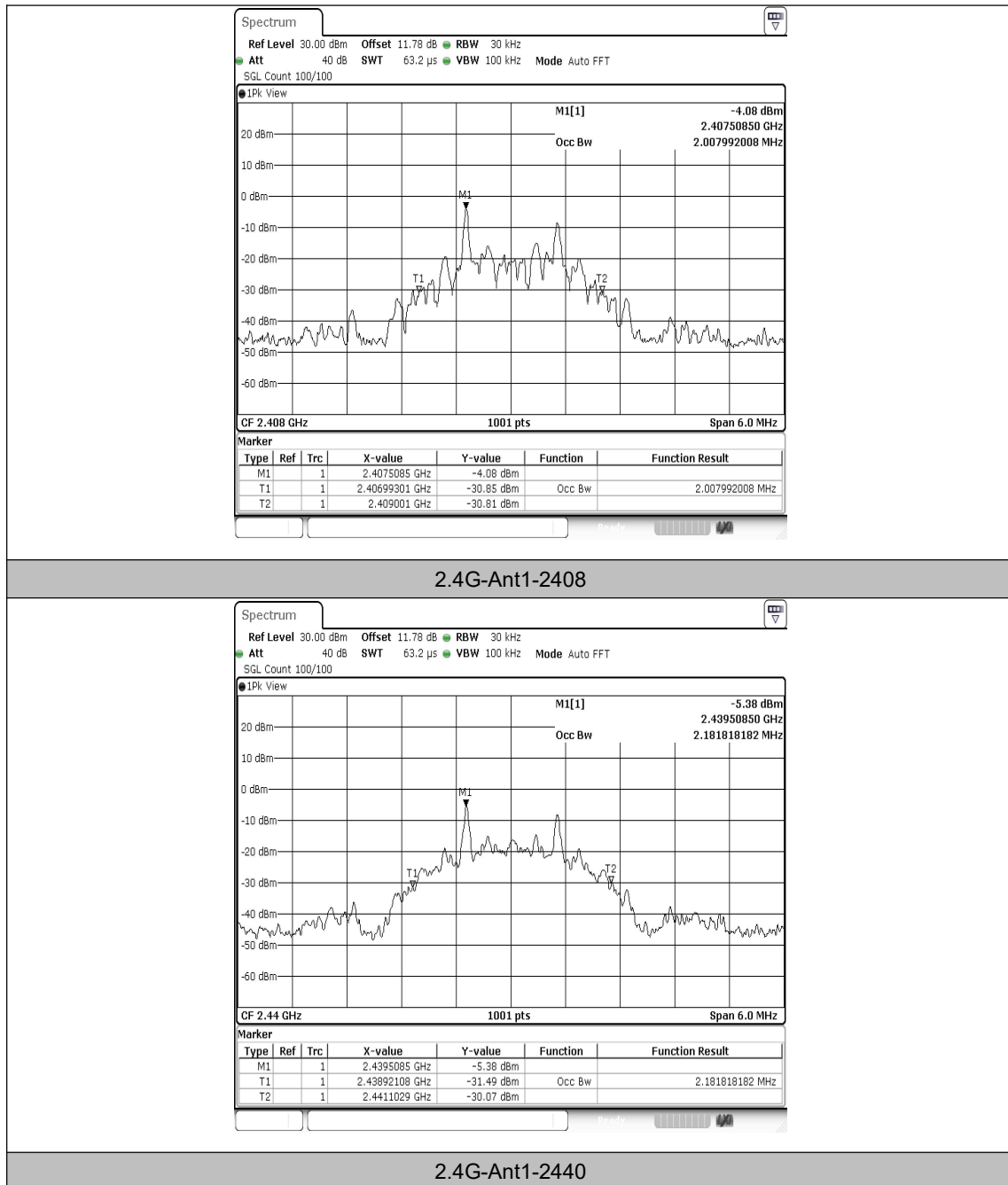
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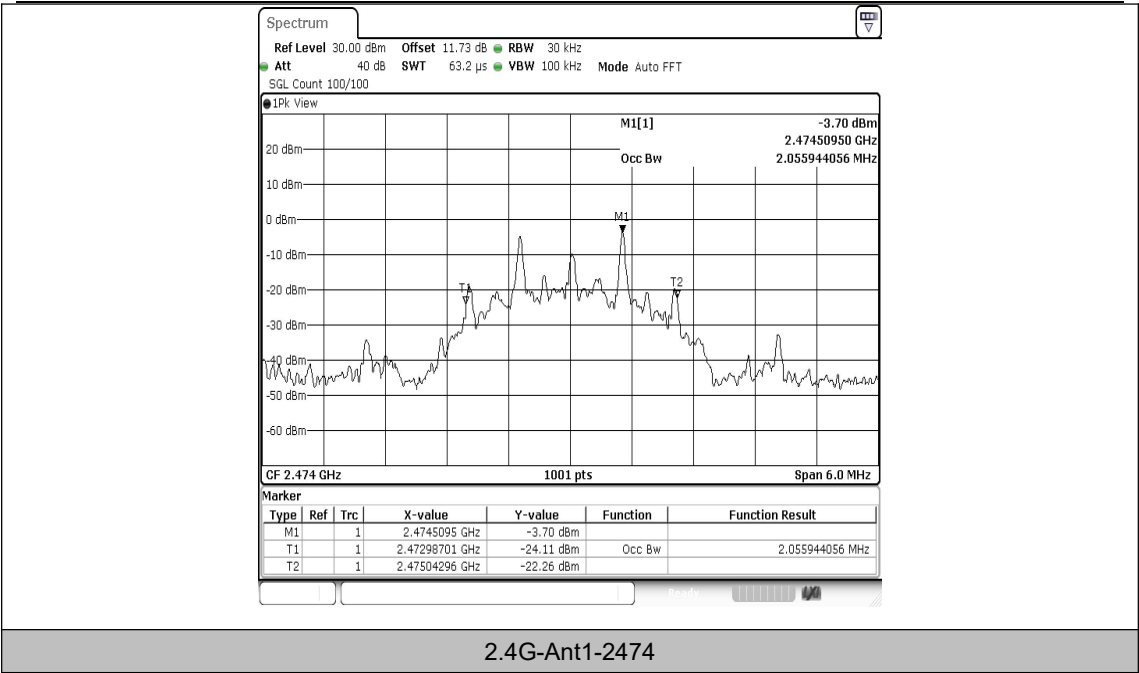
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Test Graphs





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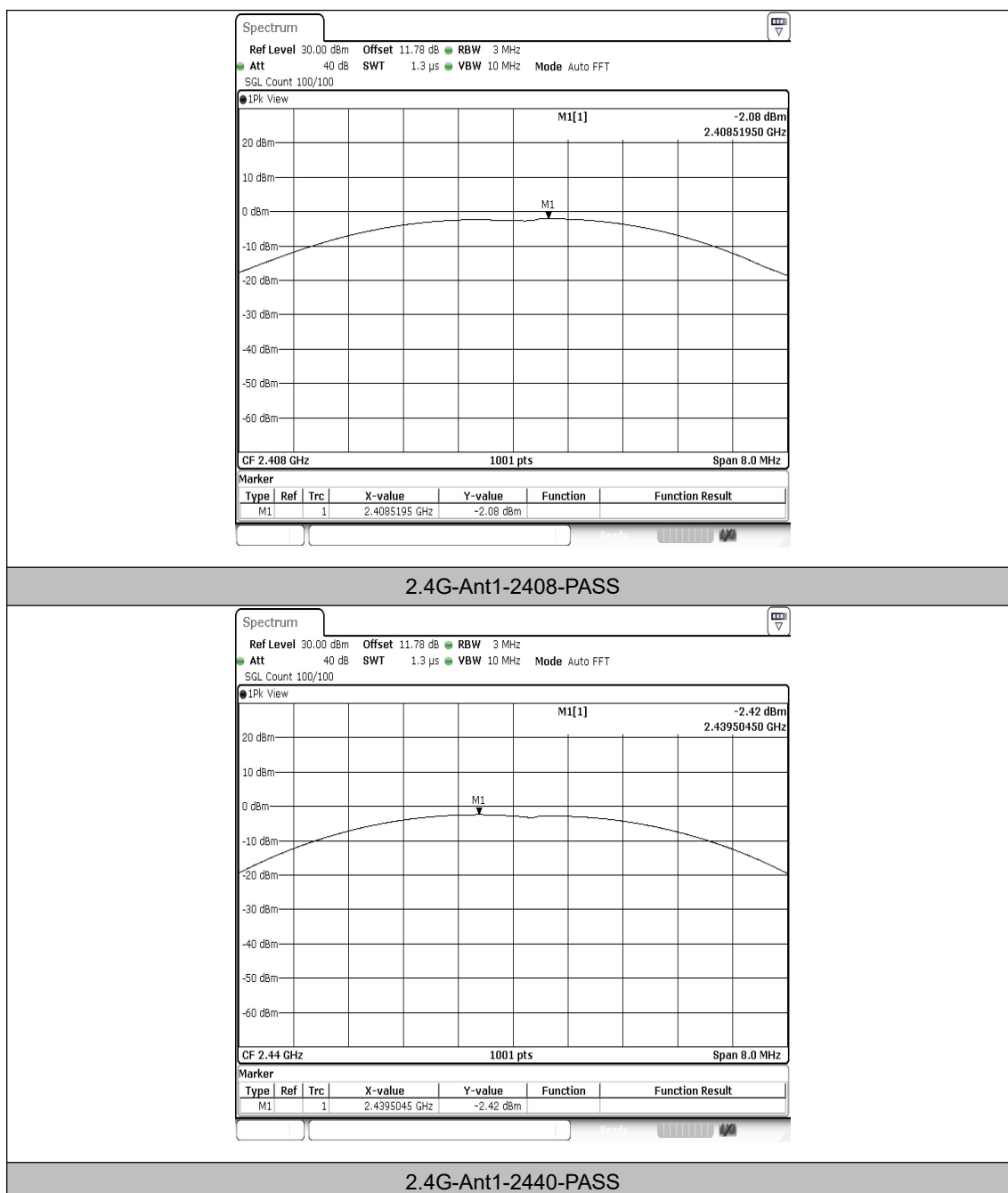
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Appendix C: Maximum Conducted Output Power

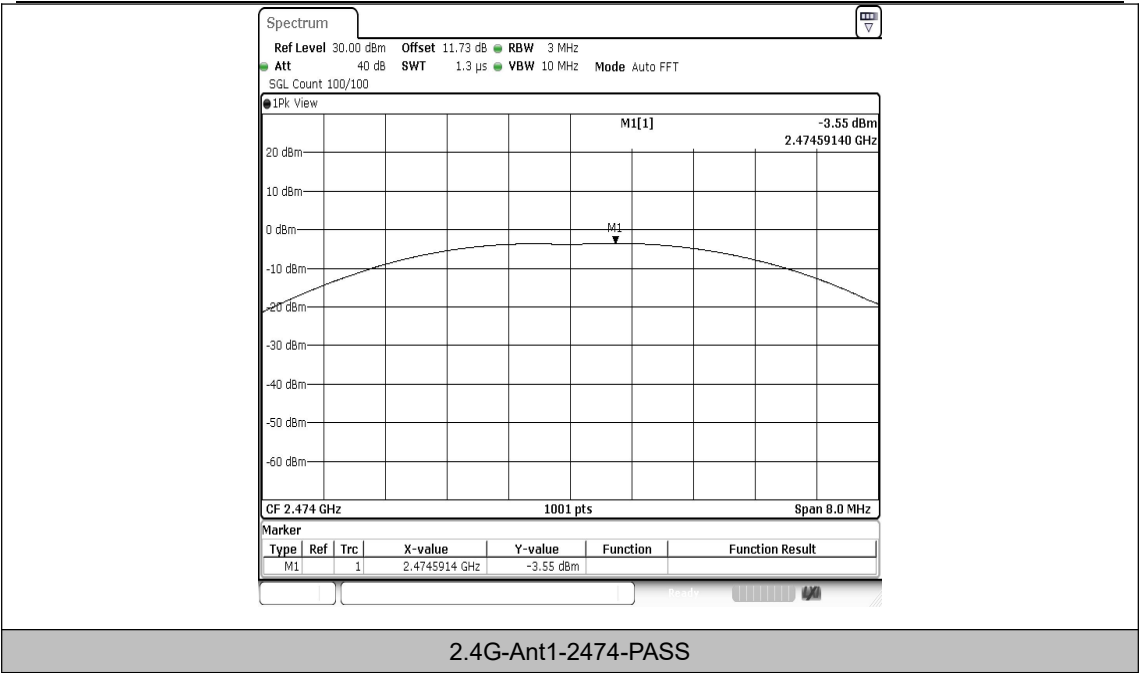
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2408	-2.08	≤20.97	PASS
2.4G	Ant1	2440	-2.42	≤20.97	PASS
2.4G	Ant1	2474	-3.55	≤20.97	PASS

Test Graphs



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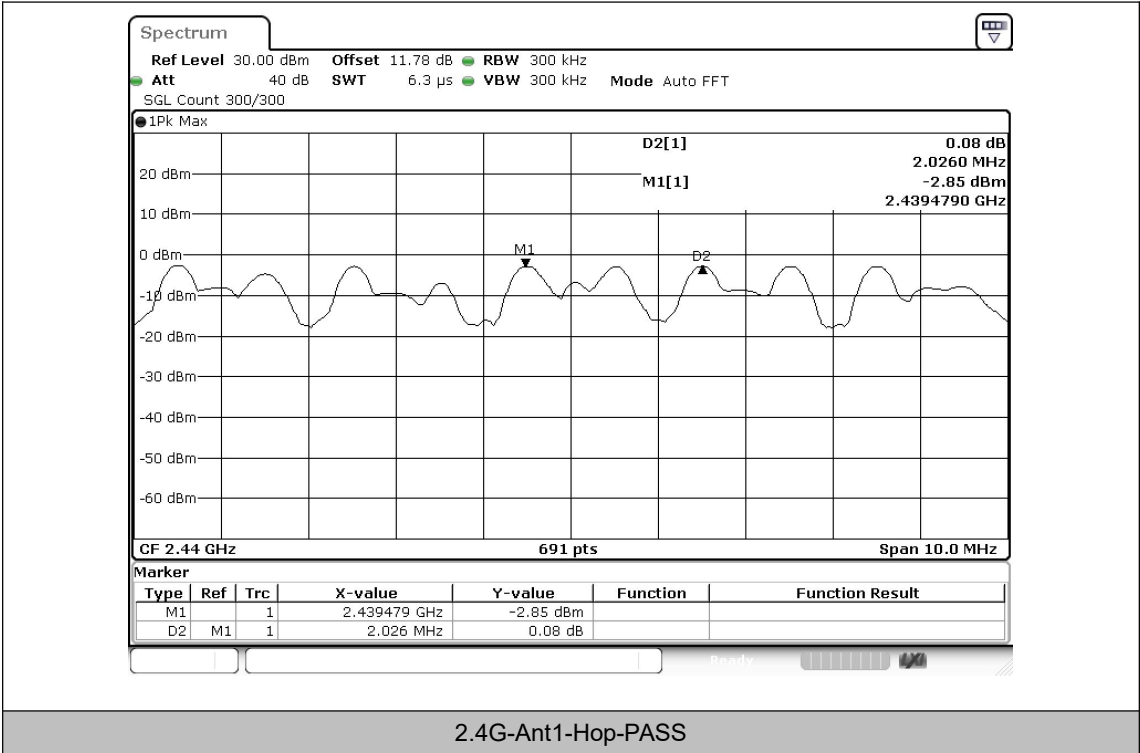
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.026	≥1.073	PASS



Test Graphs



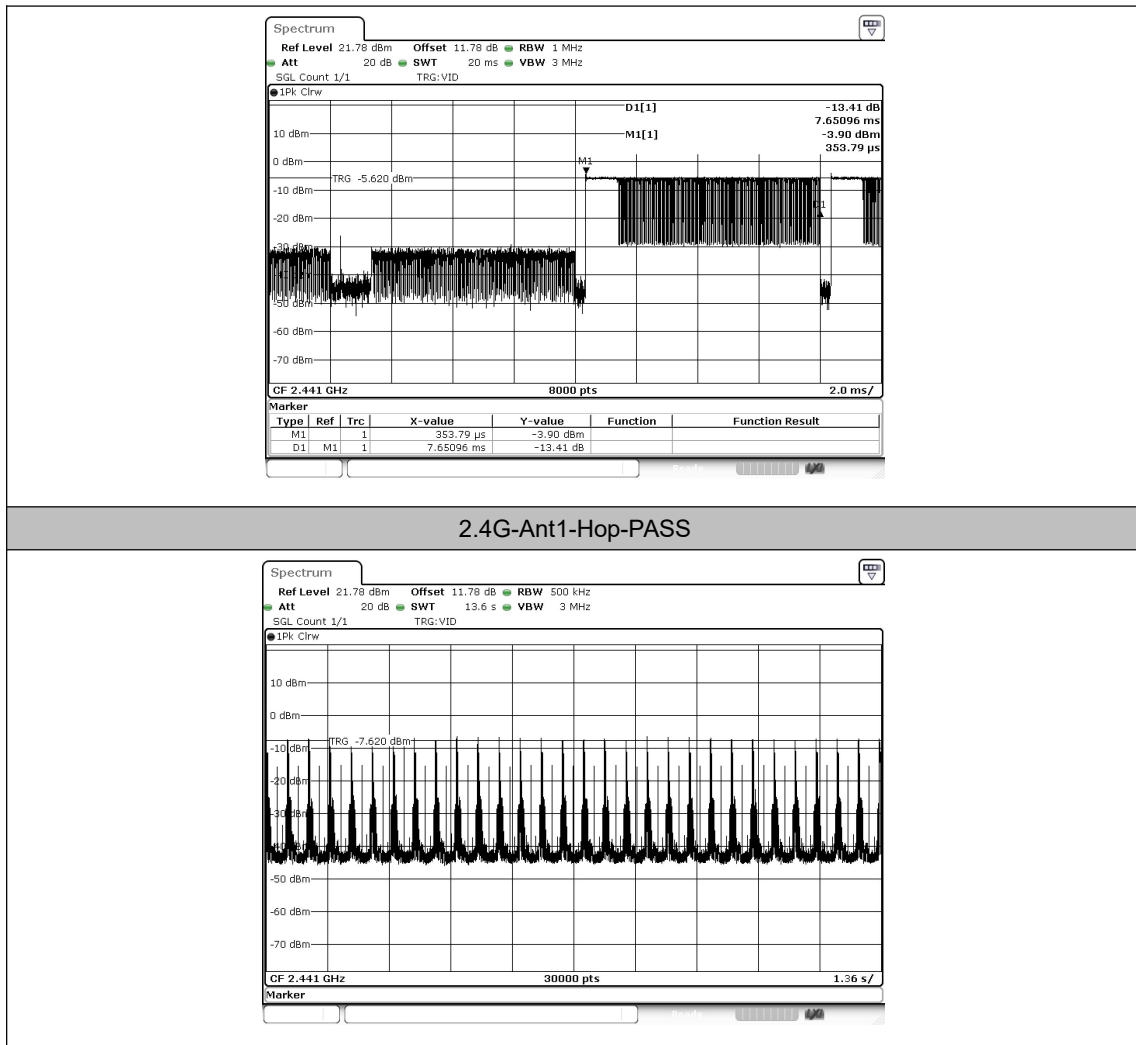
Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	0.353	61	0.215	≤0.4	PASS



Test Graphs



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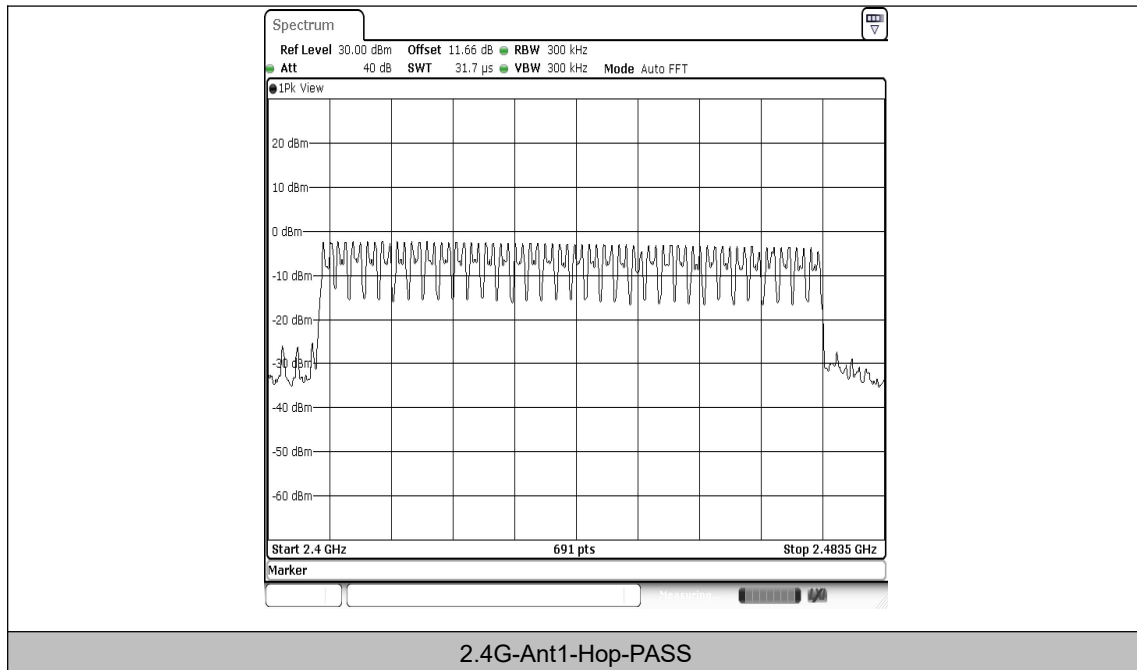
Appendix F: Number of Hopping Channel

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [Num]	Limit [Num]	Verdict
2.4G	Ant1	Hop	34	≥15	PASS



Test Graphs



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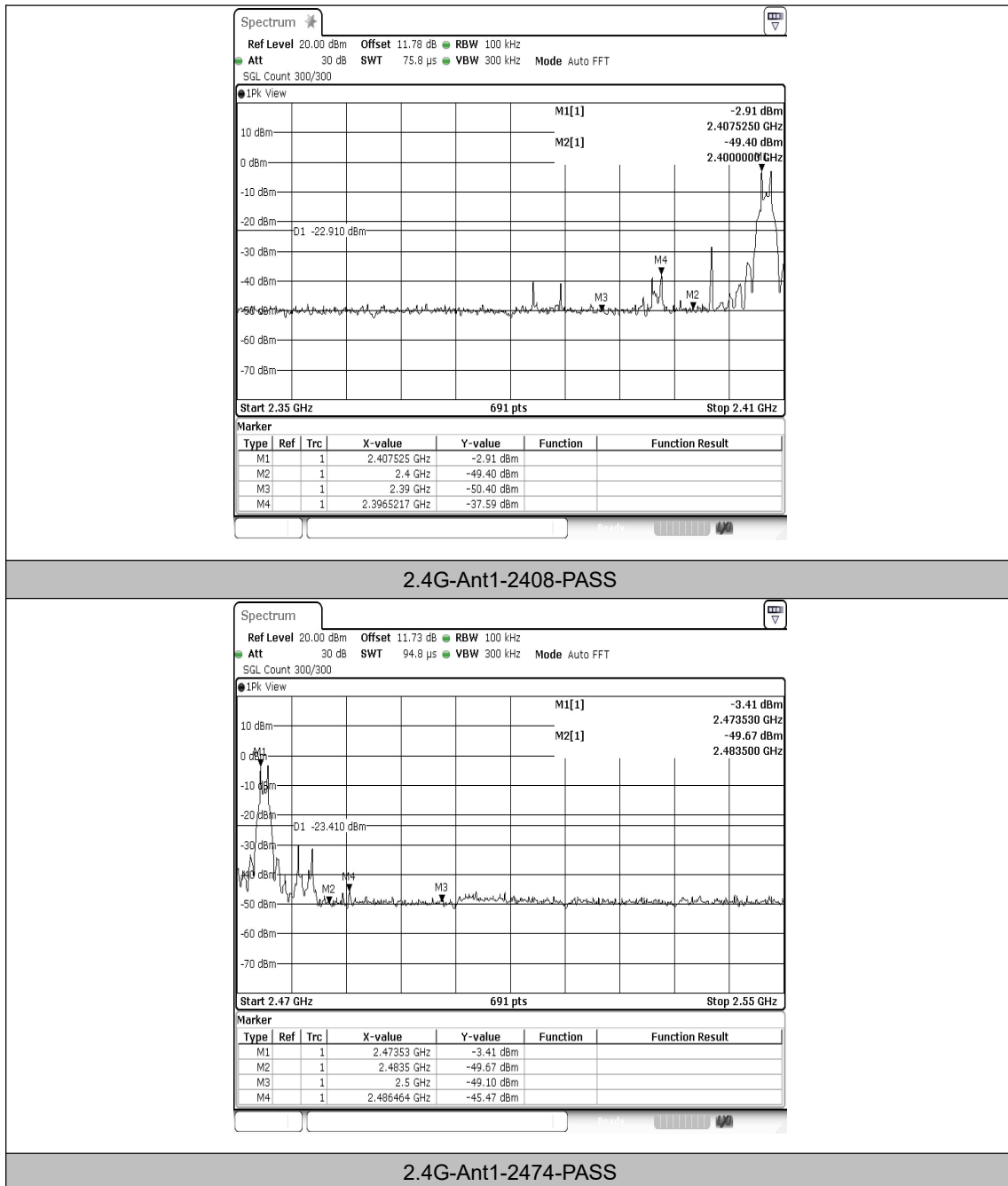
Appendix G: Conducted Band edge

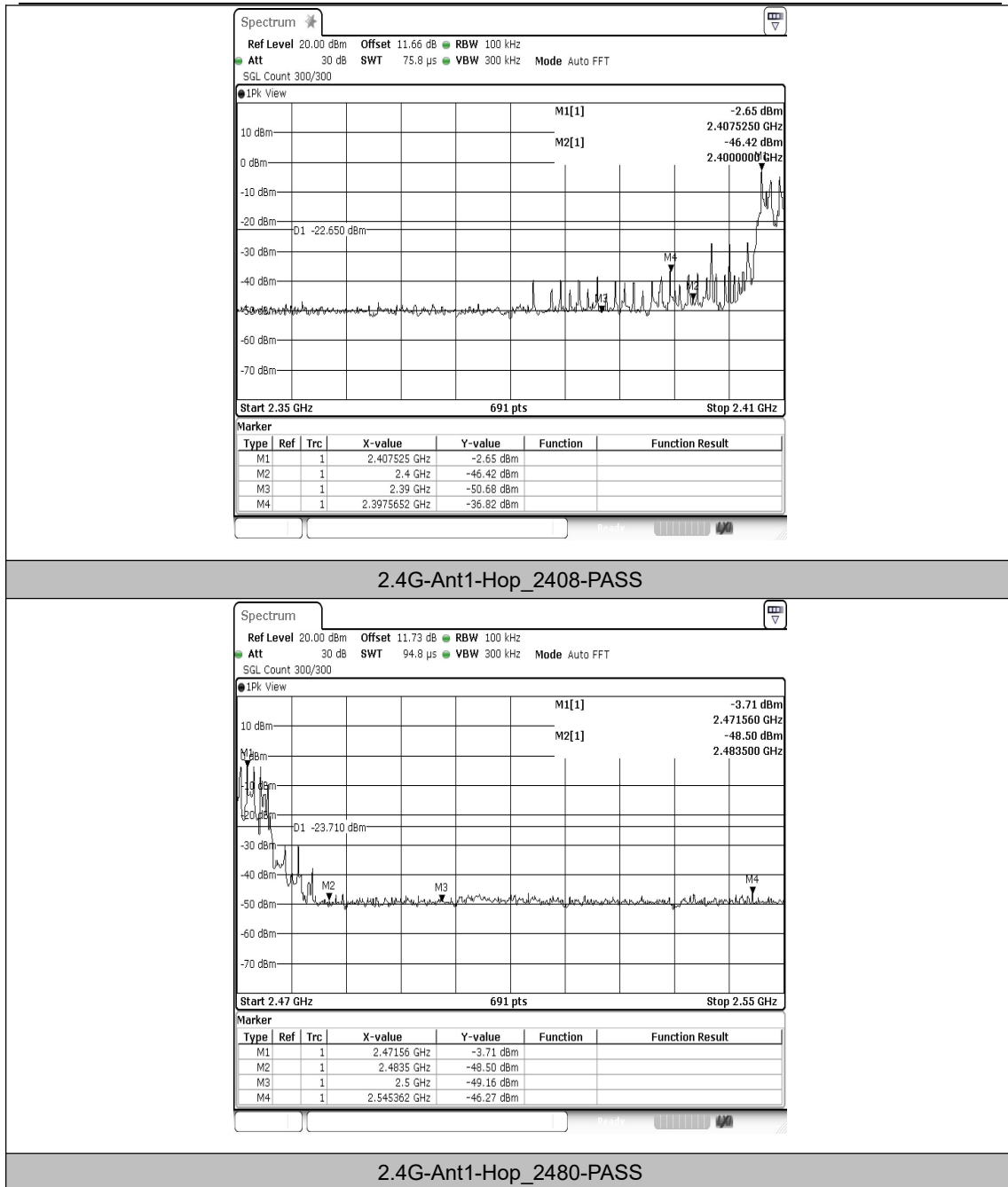
Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2408	-2.91	-37.59	≤-22.91	PASS
2.4G	Ant1	High	2474	-3.41	-45.47	≤-23.41	PASS
2.4G	Ant1	Low	Hop_2408	-2.65	-36.82	≤-22.65	PASS
2.4G	Ant1	High	Hop_2480	-3.71	-46.27	≤-23.71	PASS



Test Graphs





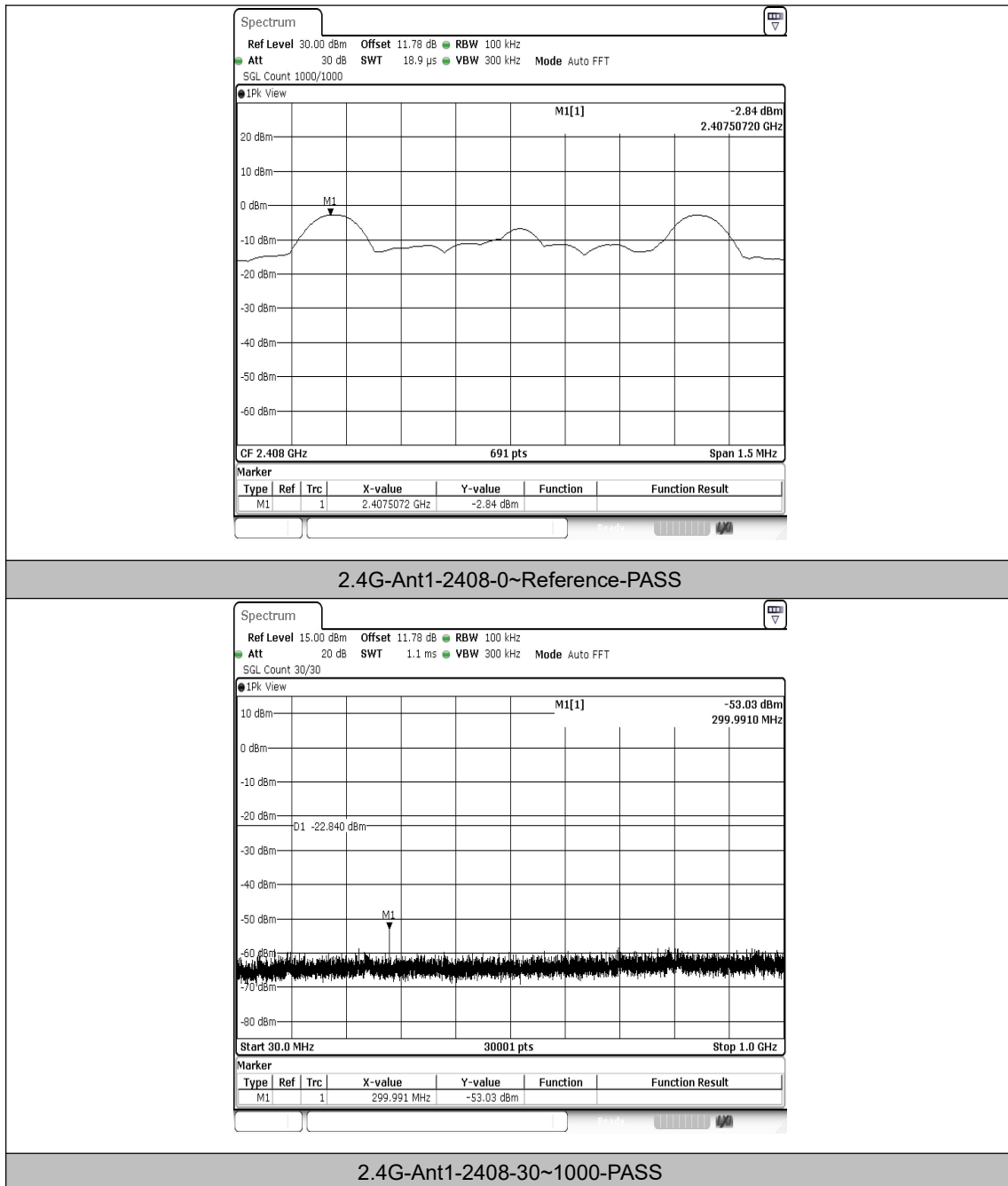
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2408	0~Reference	-2.84	-2.84	---	PASS
2.4G	Ant1	2408	30~1000	-2.84	-53.03	≤-22.84	PASS
2.4G	Ant1	2408	1000~26500	-2.84	-41.18	≤-22.84	PASS
2.4G	Ant1	2440	0~Reference	-2.92	-2.92	---	PASS
2.4G	Ant1	2440	30~1000	-2.92	-52.22	≤-22.92	PASS
2.4G	Ant1	2440	1000~26500	-2.92	-38.93	≤-22.92	PASS
2.4G	Ant1	2474	0~Reference	-3.41	-3.41	---	PASS
2.4G	Ant1	2474	30~1000	-3.41	-52.4	≤-23.41	PASS
2.4G	Ant1	2474	1000~26500	-3.41	-35.57	≤-23.41	PASS



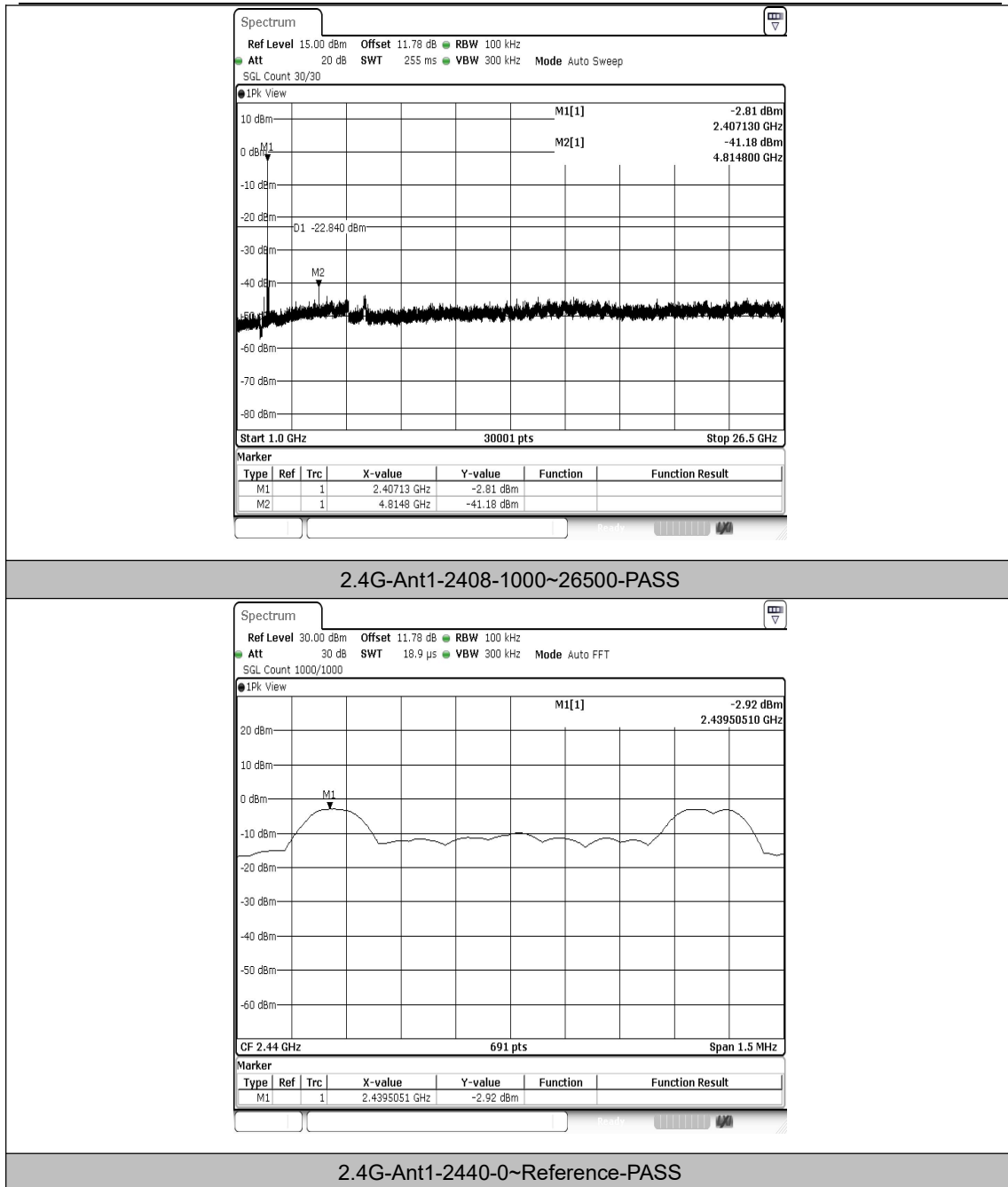
Test Graphs



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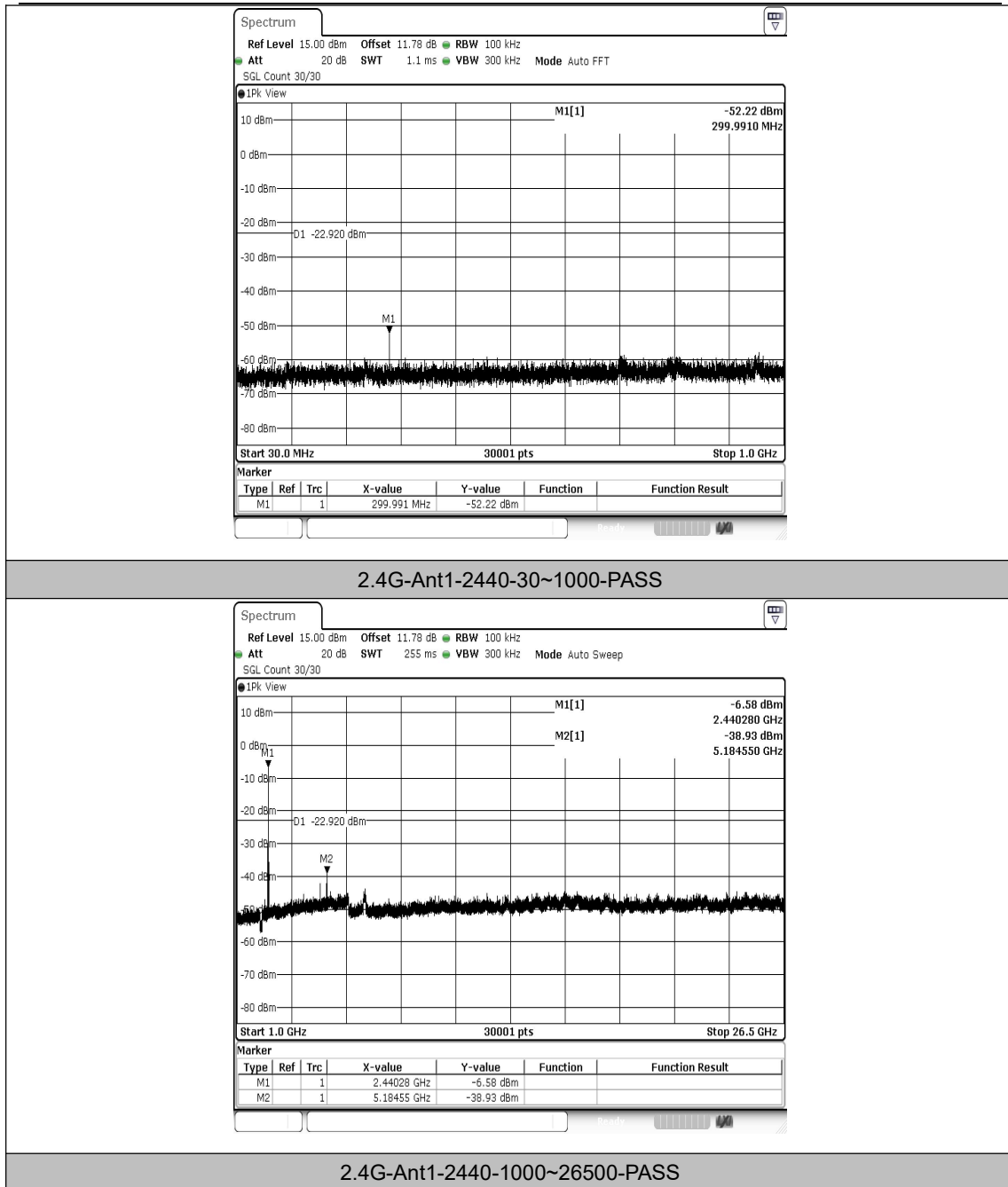
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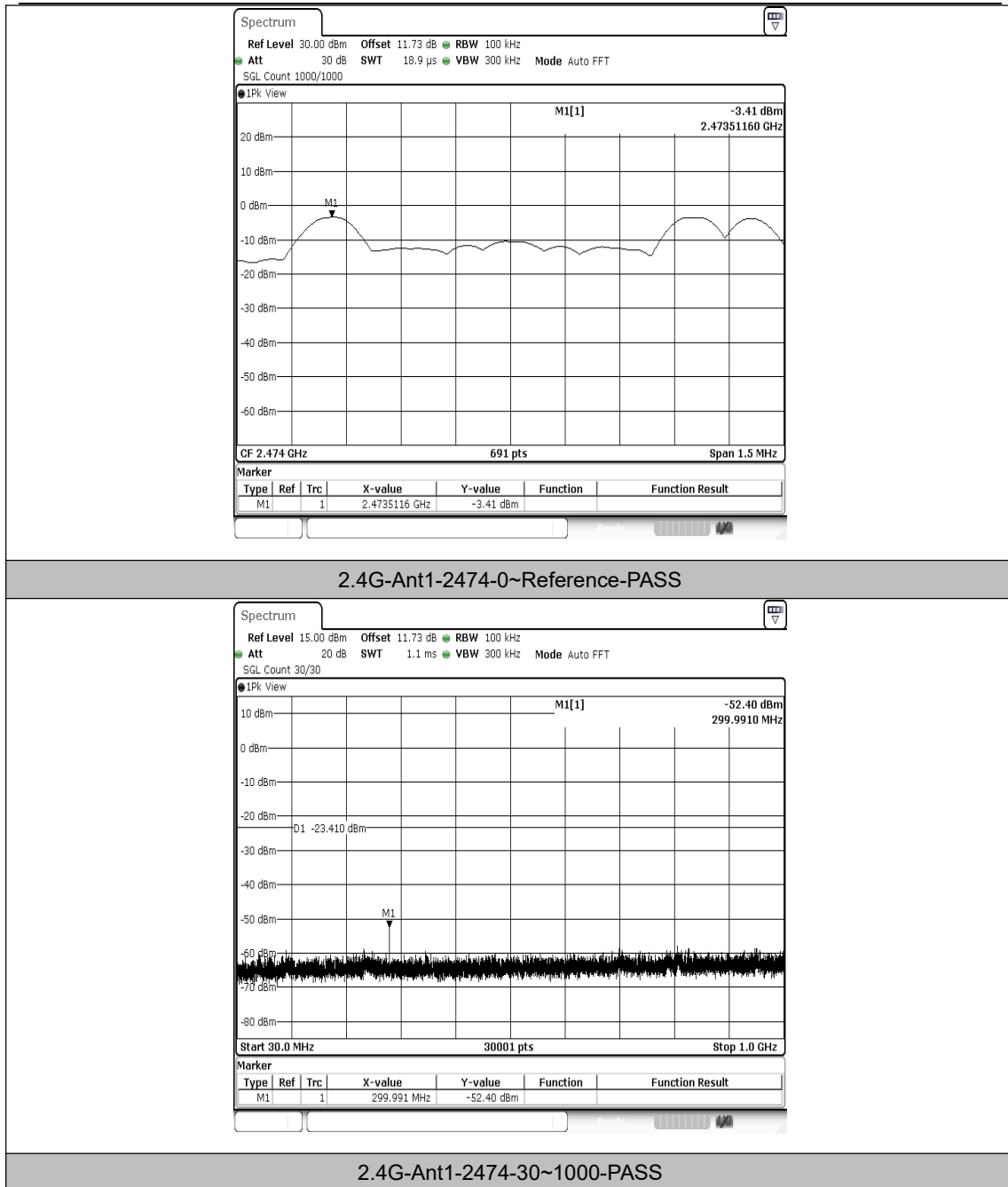
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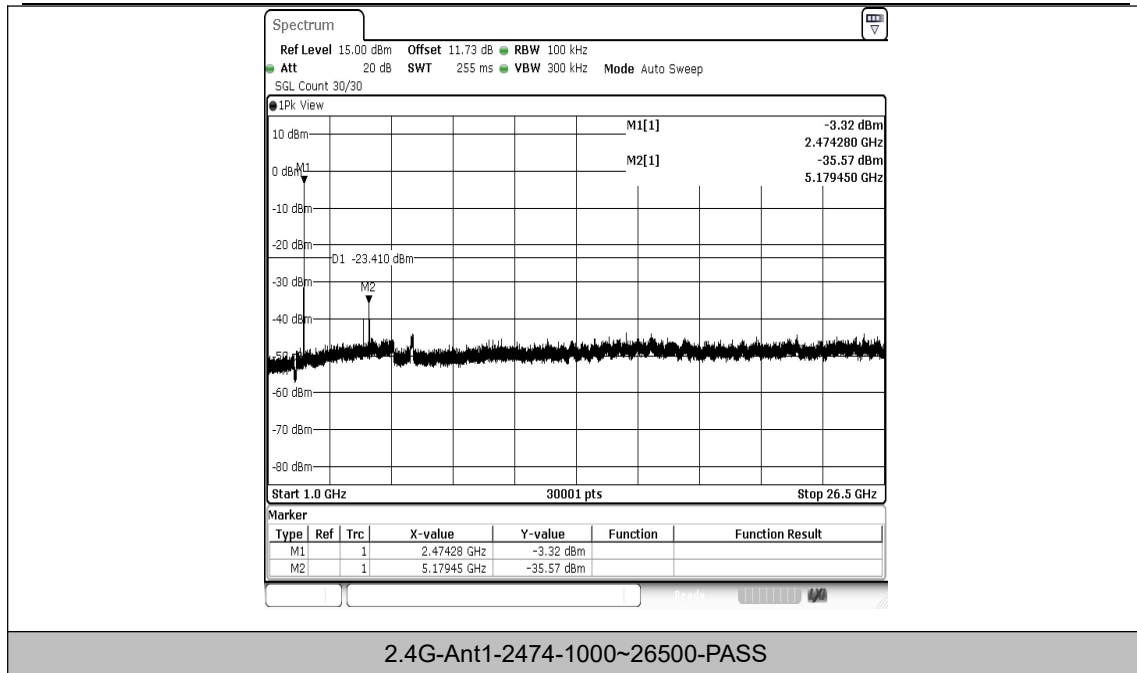
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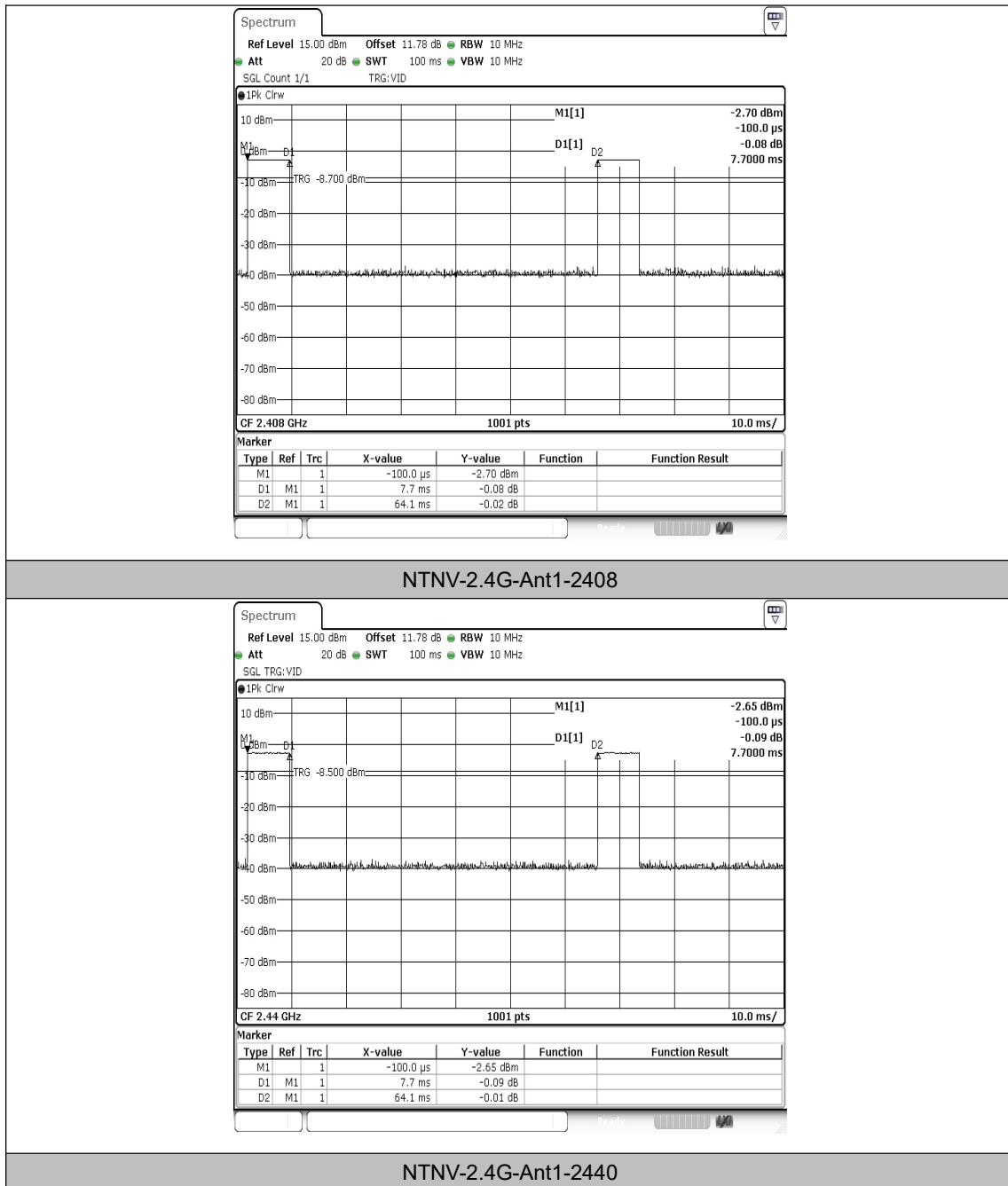
Appendix I: Duty Cycle

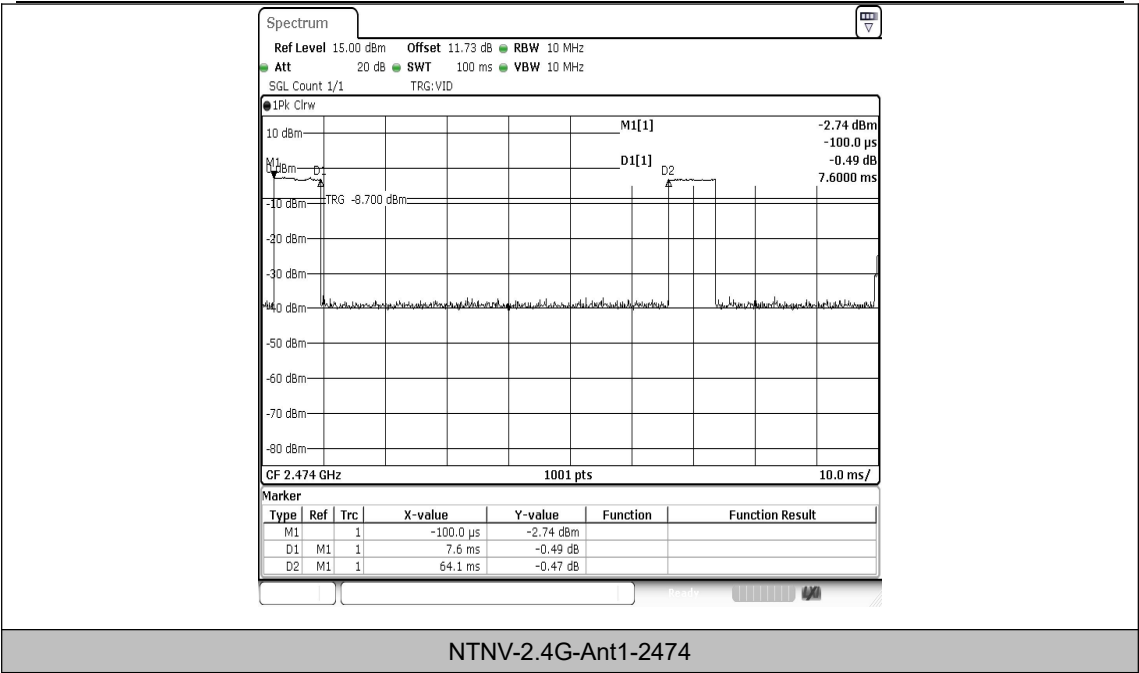
Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2408	7.70	64.10	12.01	9.20
2.4G	Ant1	2440	7.70	64.10	12.01	9.20
2.4G	Ant1	2474	7.60	64.10	11.86	9.26



Test Graphs





---End---