

Appendix Test Data

Report No.:	1812C50549312502-01	Test Sample No.:	1-2-2
Start Test Date:	2025-10-20	Finish Test Date:	2025-10-24
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.5°C	Relative Humidity:	50%
Pressure:	101kPa		

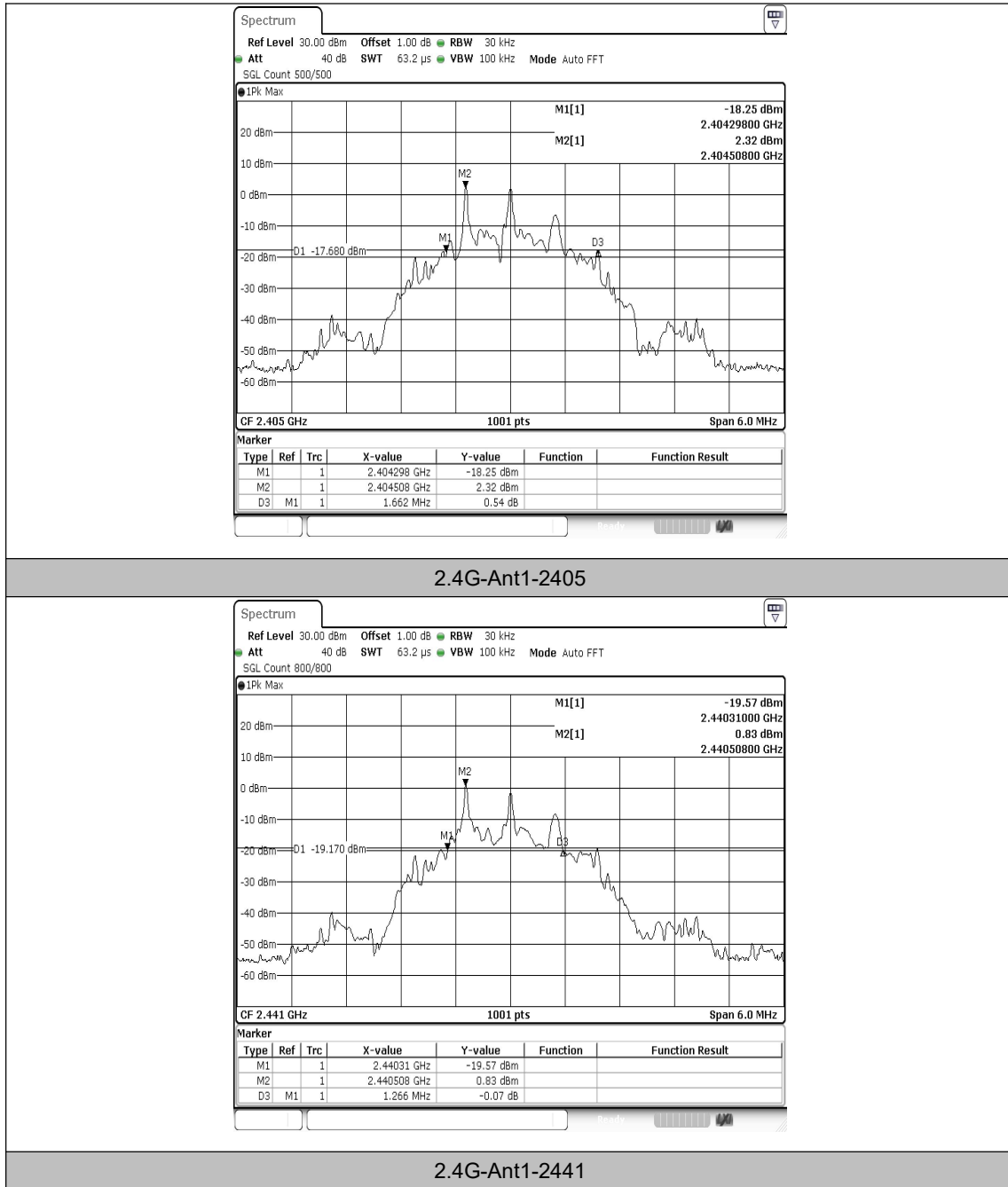


Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2405	1.66	2404.30	2405.96	---	---
2.4G	Ant1	2441	1.27	2440.31	2441.58	---	---
2.4G	Ant1	2475	1.72	2474.24	2475.96	---	---

Test Graphs



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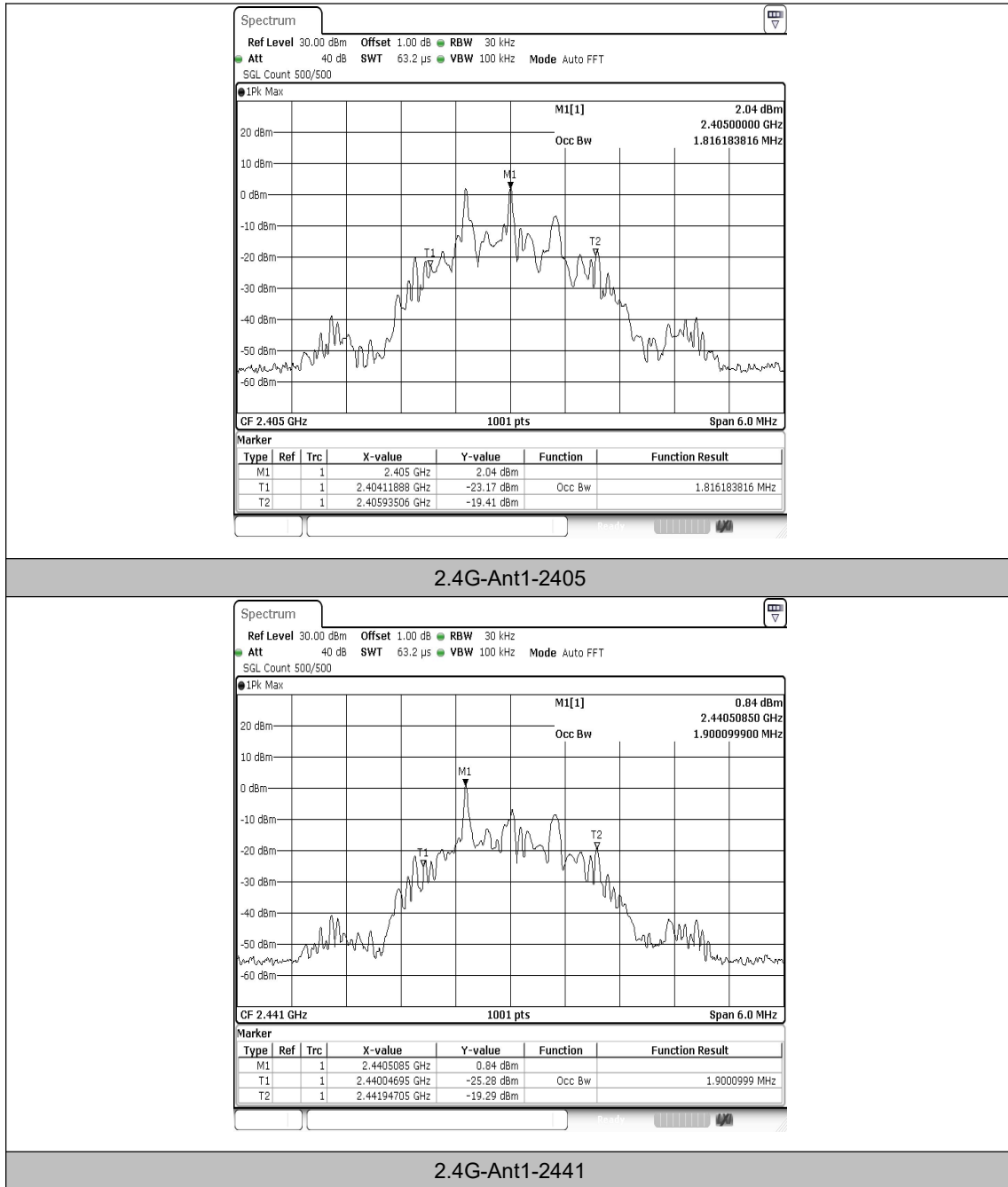
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Appendix B: 99% Occupied Bandwidth**Test Result**

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2405	1.8162	2404.1189	2405.9351	---	---
2.4G	Ant1	2441	1.9001	2440.0470	2441.9471	---	---
2.4G	Ant1	2475	1.6843	2474.1968	2475.8811	---	---

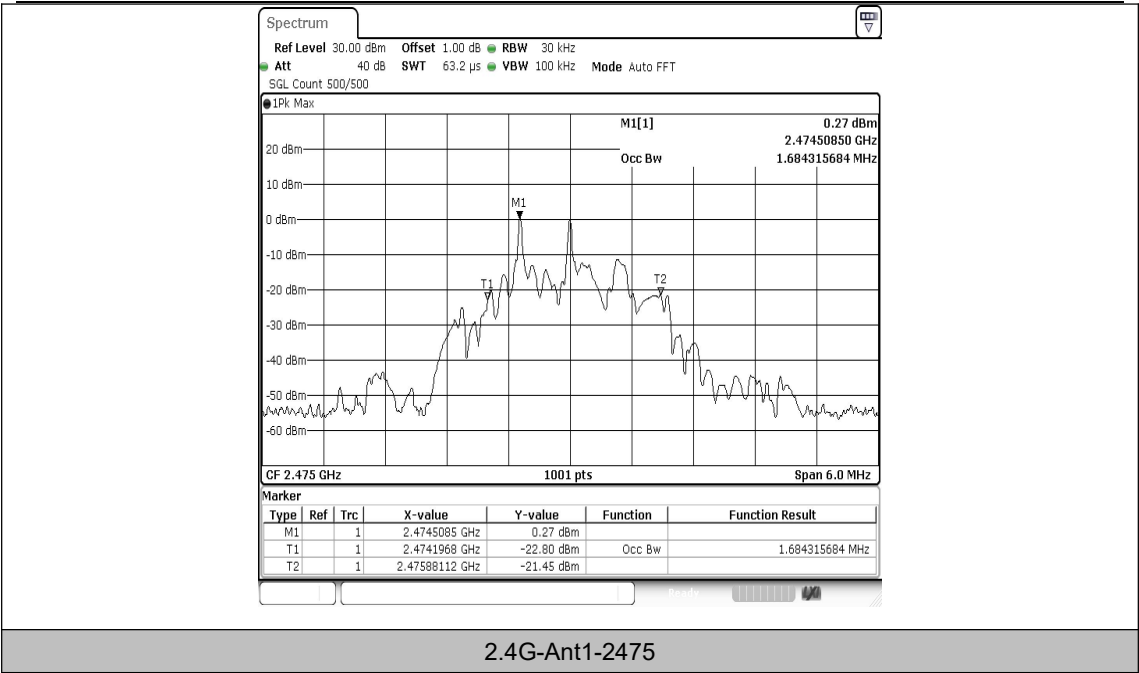
Test Graphs



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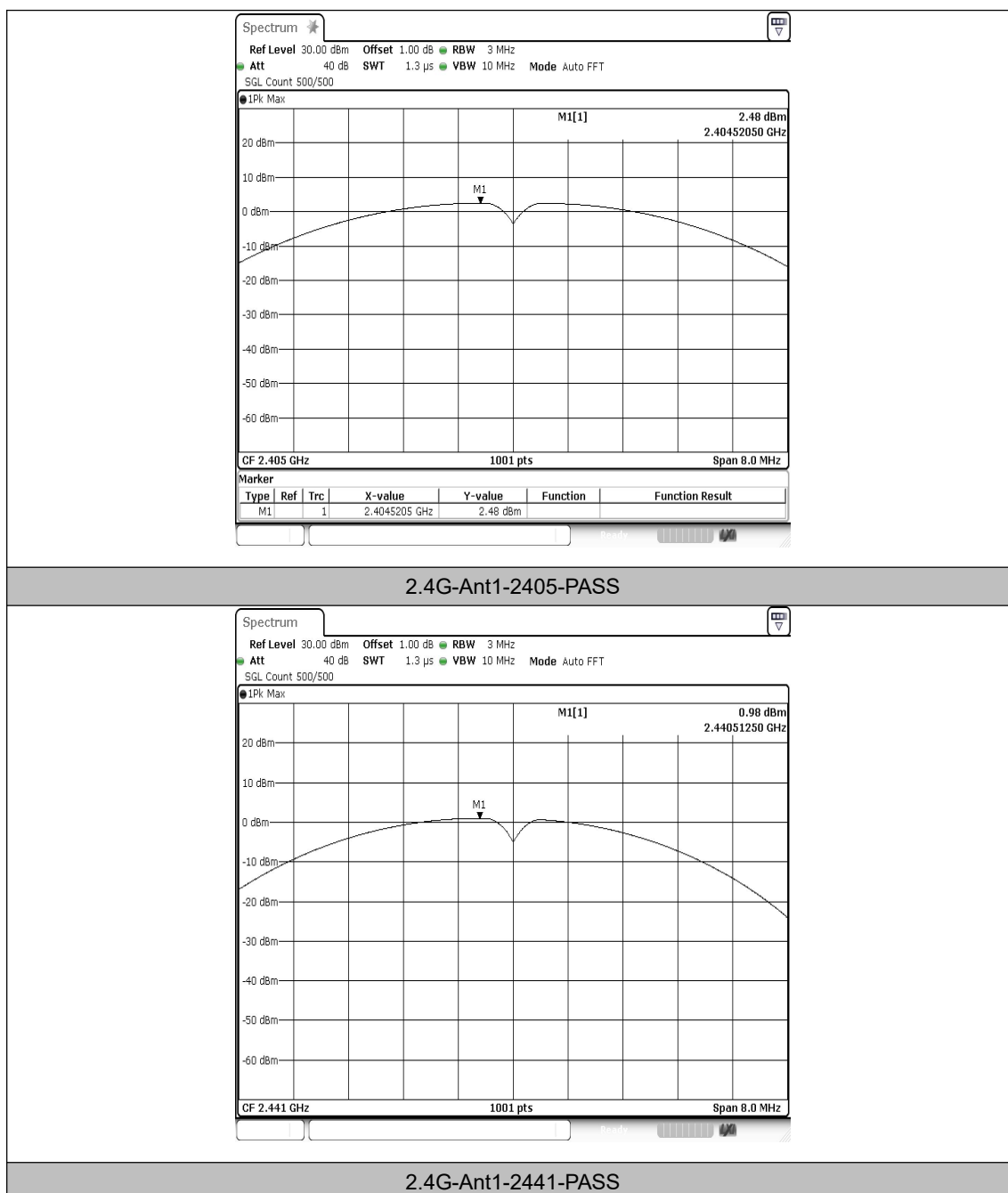
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Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2405	2.48	≤20.97	PASS
2.4G	Ant1	2441	0.98	≤20.97	PASS
2.4G	Ant1	2475	0.44	≤20.97	PASS

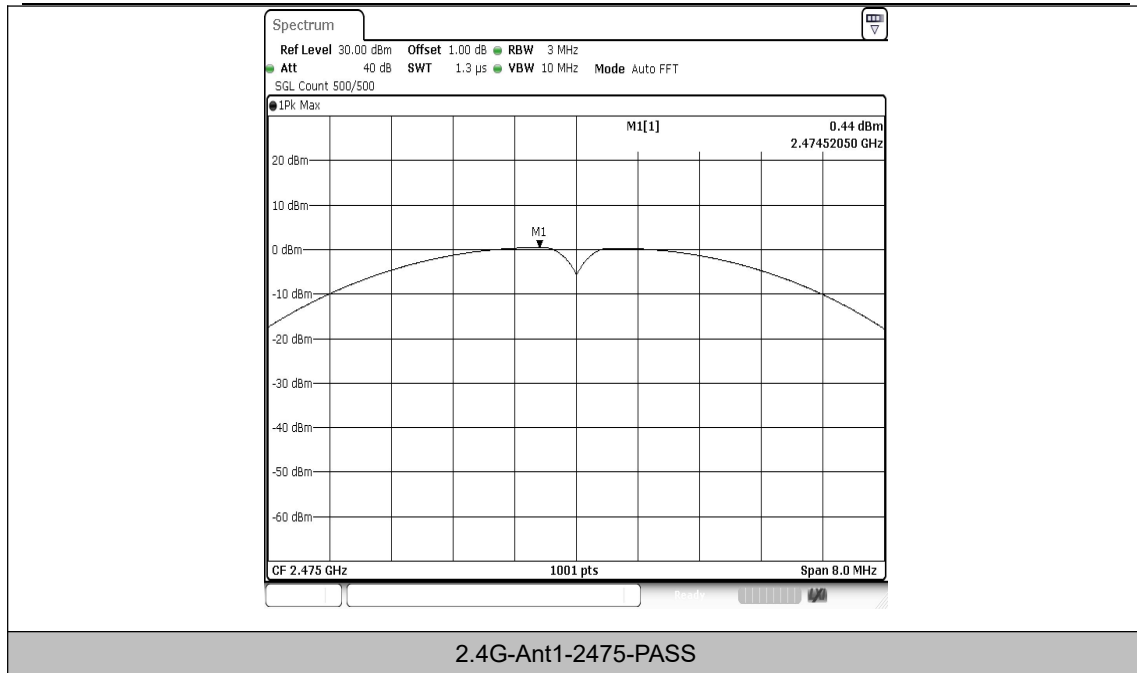
Test Graphs



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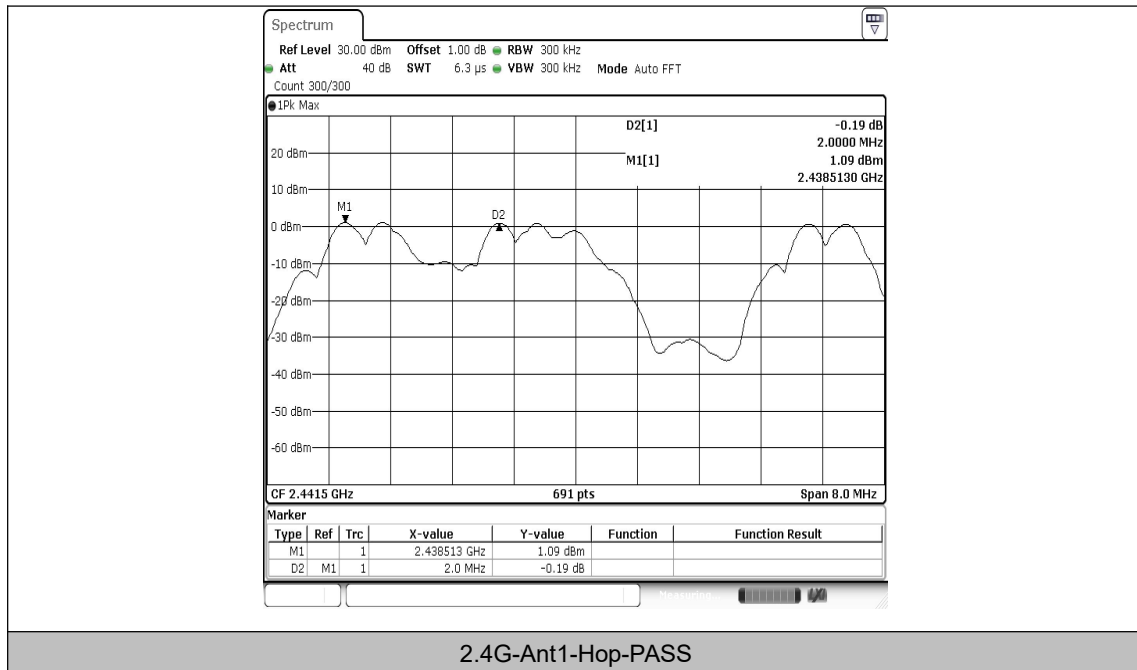
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.000	≥1.147	PASS

Note: Only record the worst data in the report.

Test Graphs



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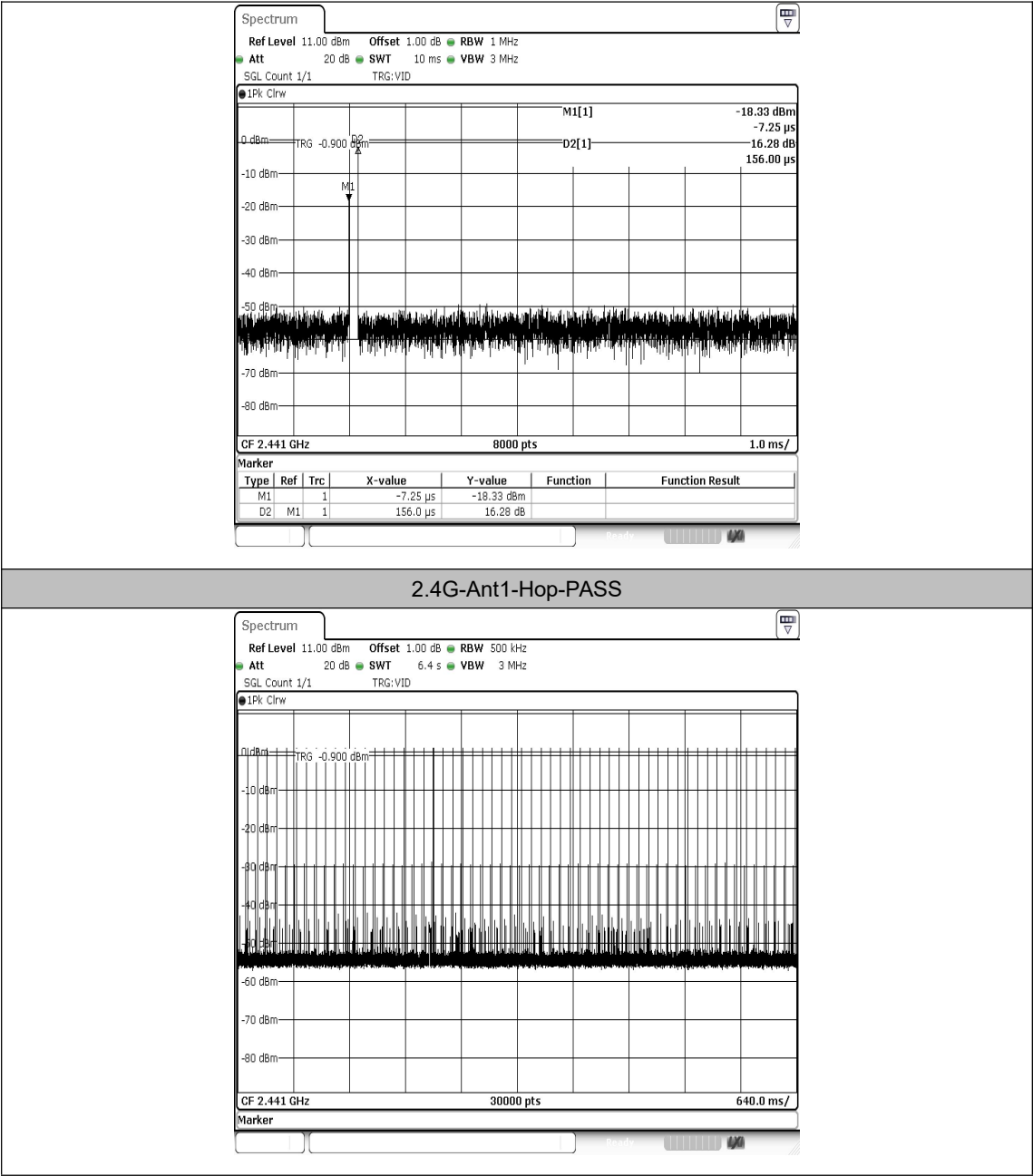
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	0.156	57	0.0089	≤0.4	PASS

Test Graphs

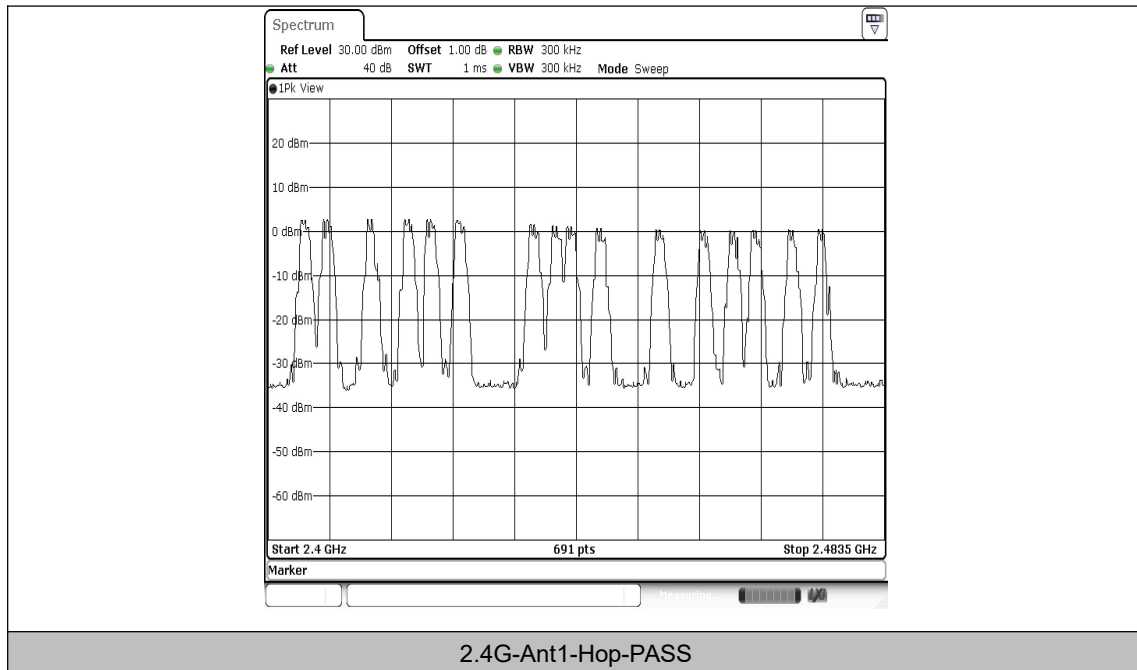


Appendix F: Number of Hopping Channel

Test Result

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

Test Graphs



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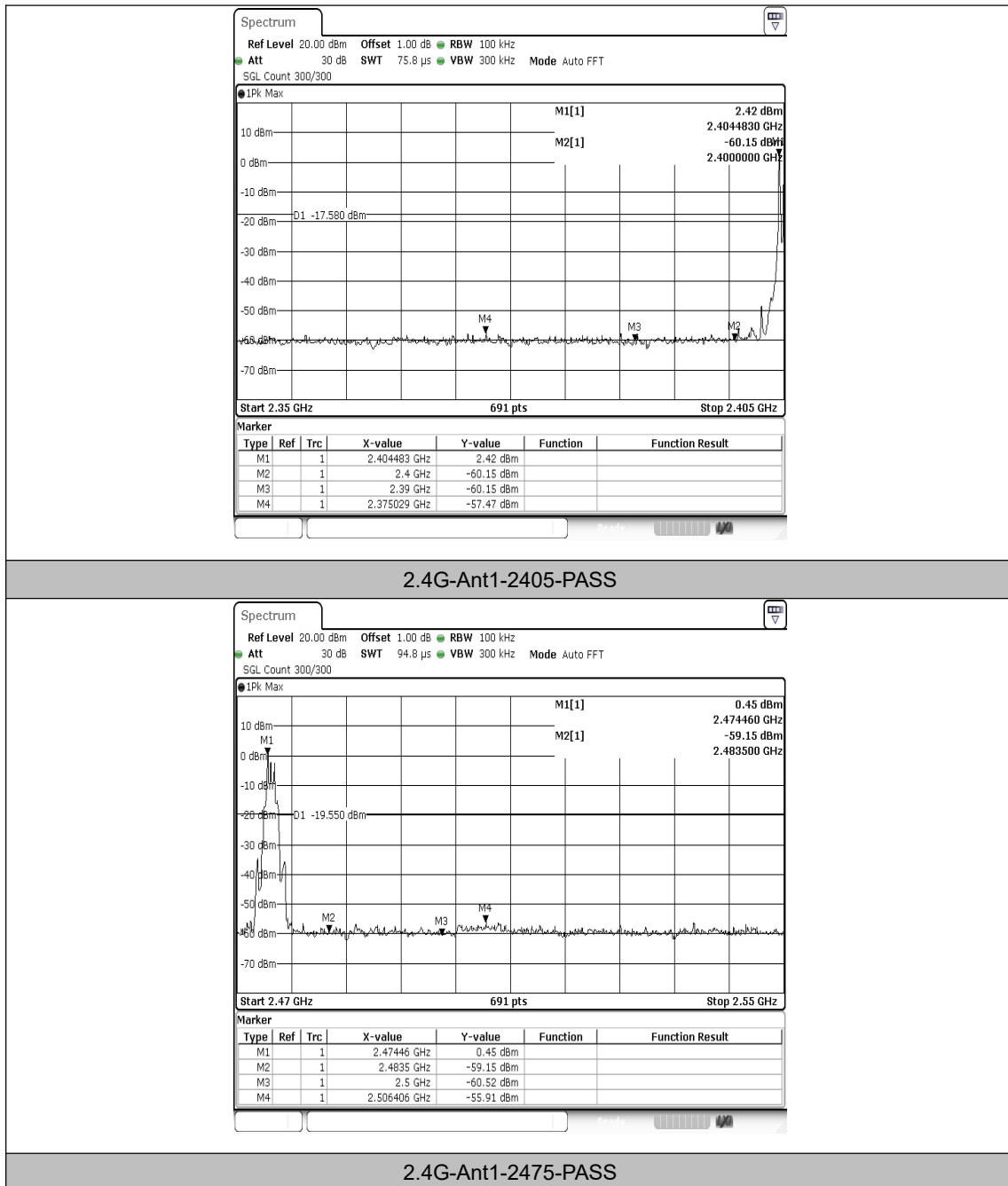
Appendix G: Conducted Band edge

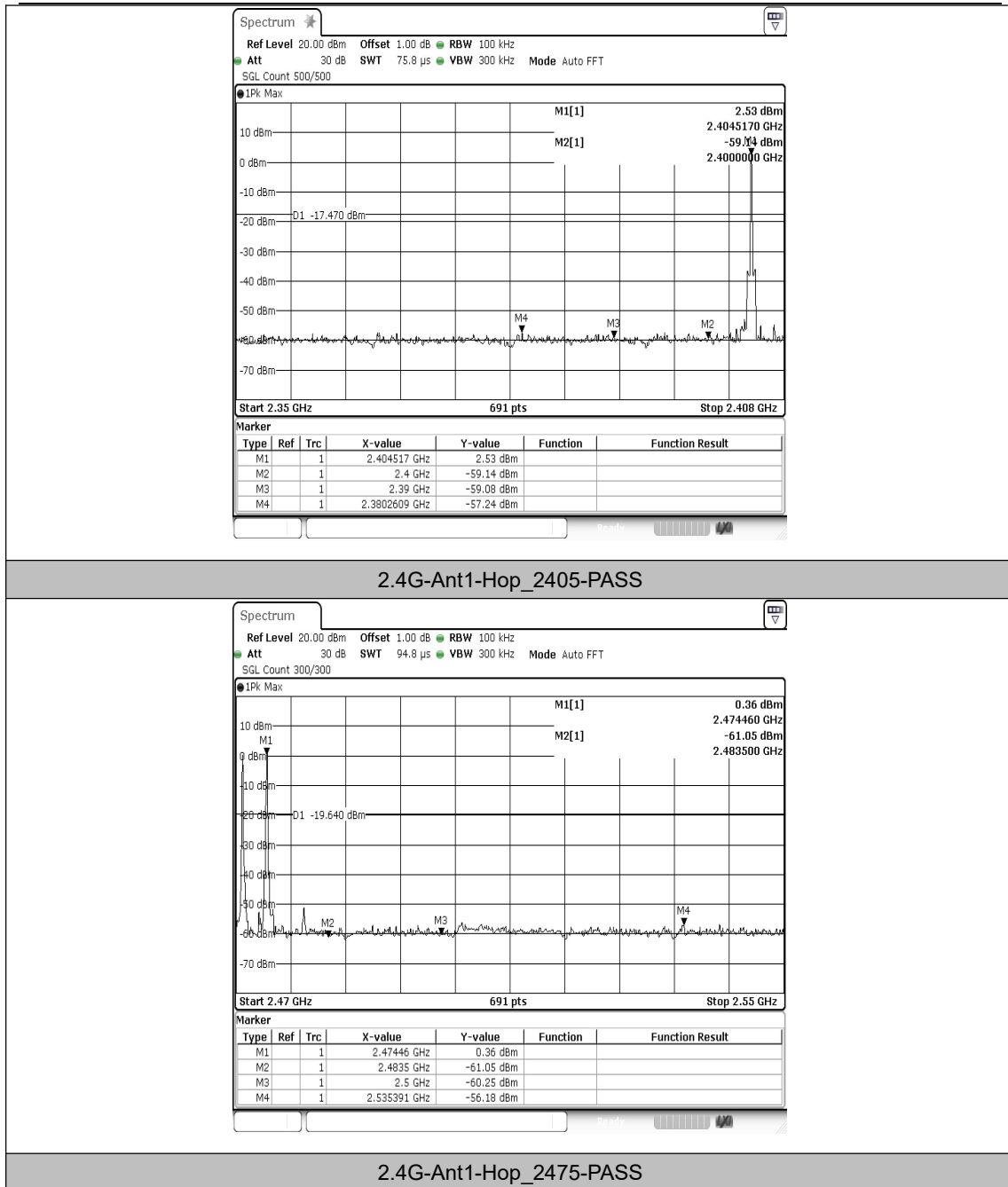
Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2405	2.42	-57.47	≤-17.58	PASS
2.4G	Ant1	High	2475	0.45	-55.91	≤-19.55	PASS
2.4G	Ant1	Low	Hop_2405	2.53	-57.24	≤-17.52	PASS
2.4G	Ant1	High	Hop_2475	0.36	-56.18	≤-19.8	PASS

Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

Test Graphs





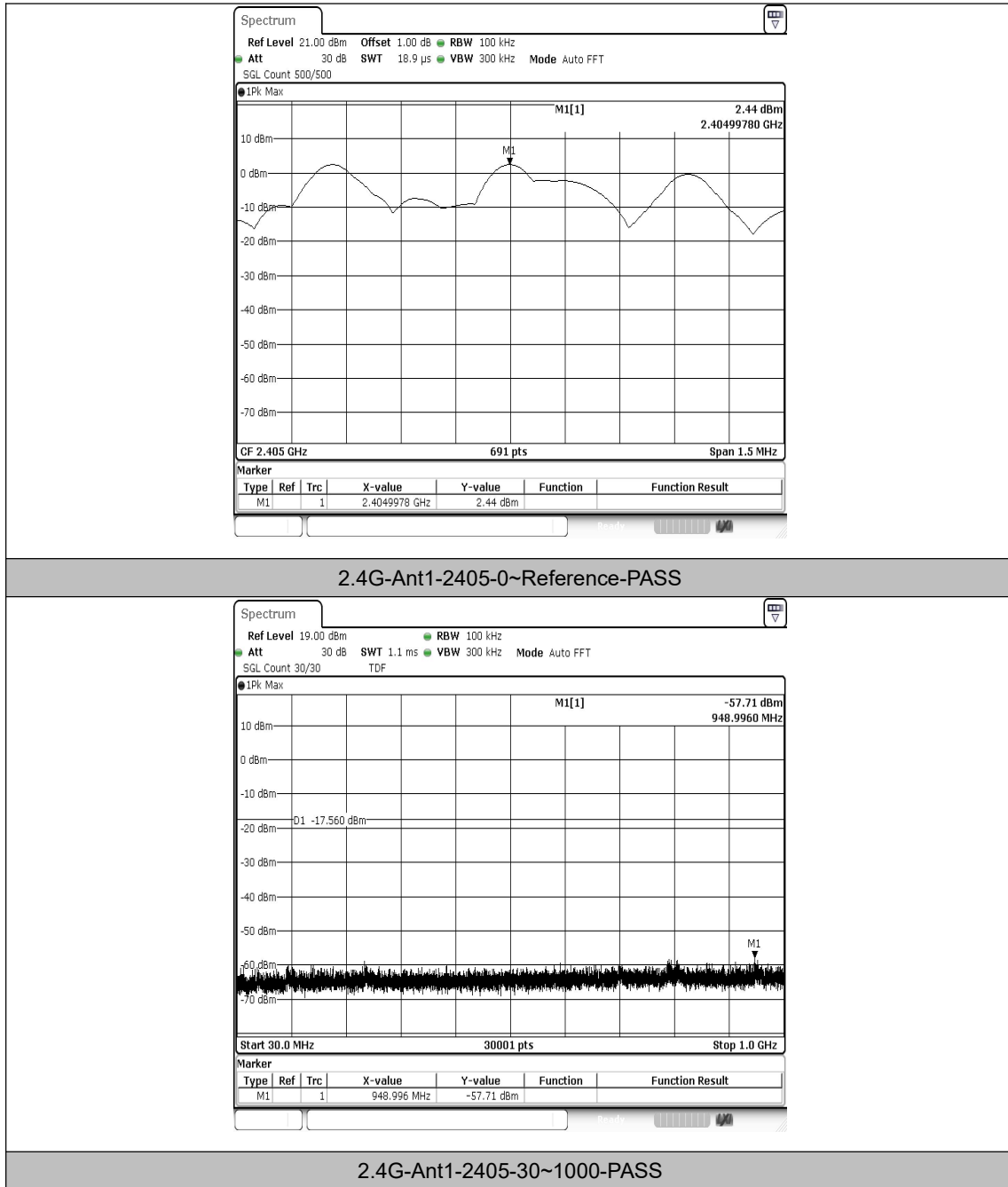
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2405	0~Reference	2.44	2.44	---	PASS
2.4G	Ant1	2405	30~1000	2.44	-57.71	≤-17.56	PASS
2.4G	Ant1	2405	1000~26500	2.44	-35.71	≤-17.56	PASS
2.4G	Ant1	2441	0~Reference	0.98	0.98	---	PASS
2.4G	Ant1	2441	30~1000	0.98	-57.12	≤-19.02	PASS
2.4G	Ant1	2441	1000~26500	0.98	-44.22	≤-19.02	PASS
2.4G	Ant1	2475	0~Reference	0.43	0.43	---	PASS
2.4G	Ant1	2475	30~1000	0.43	-58.27	≤-19.57	PASS
2.4G	Ant1	2475	1000~26500	0.43	-33.36	≤-19.57	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'TDF' of the Spectrum Analyzer during the test.

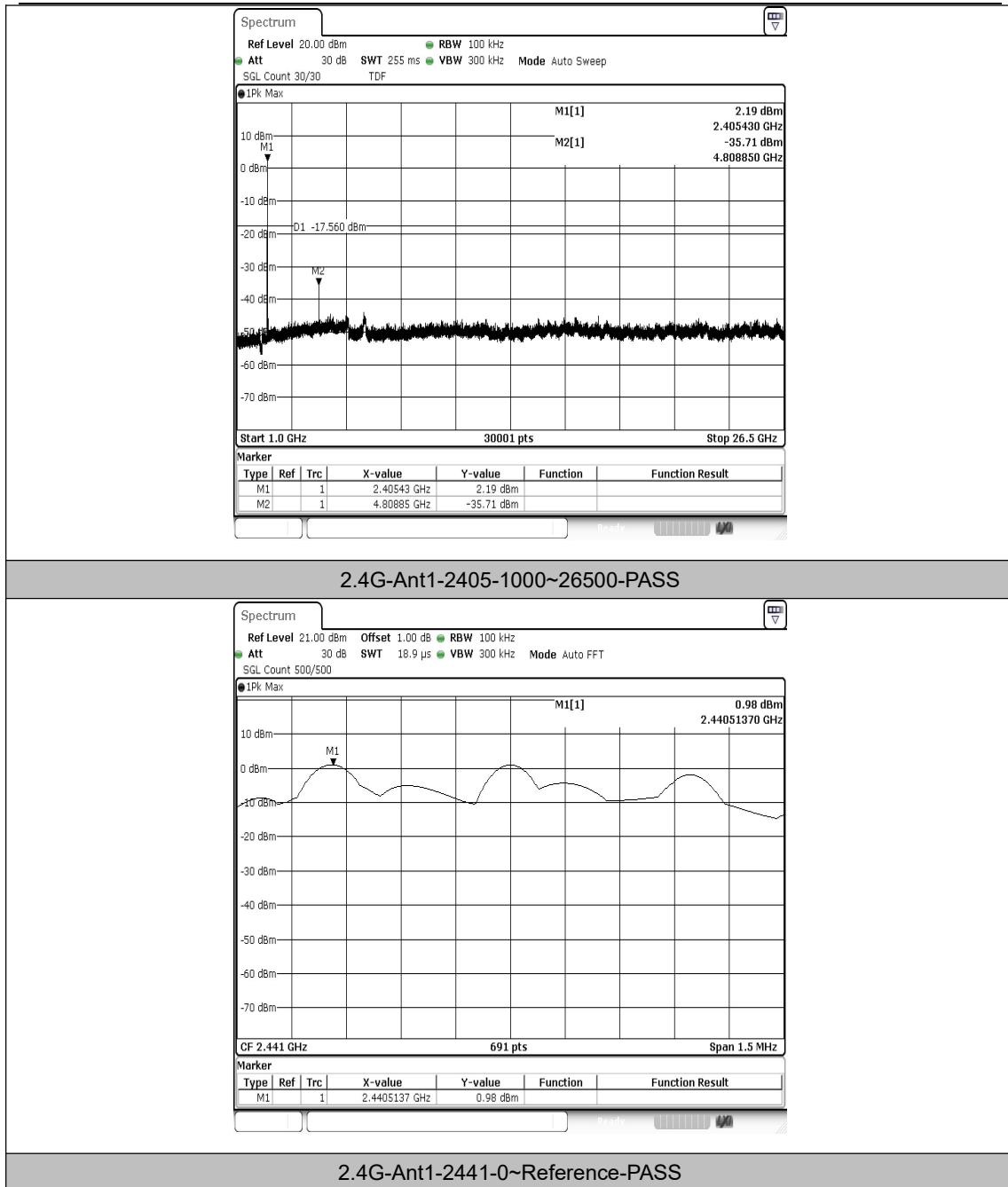
Test Graphs



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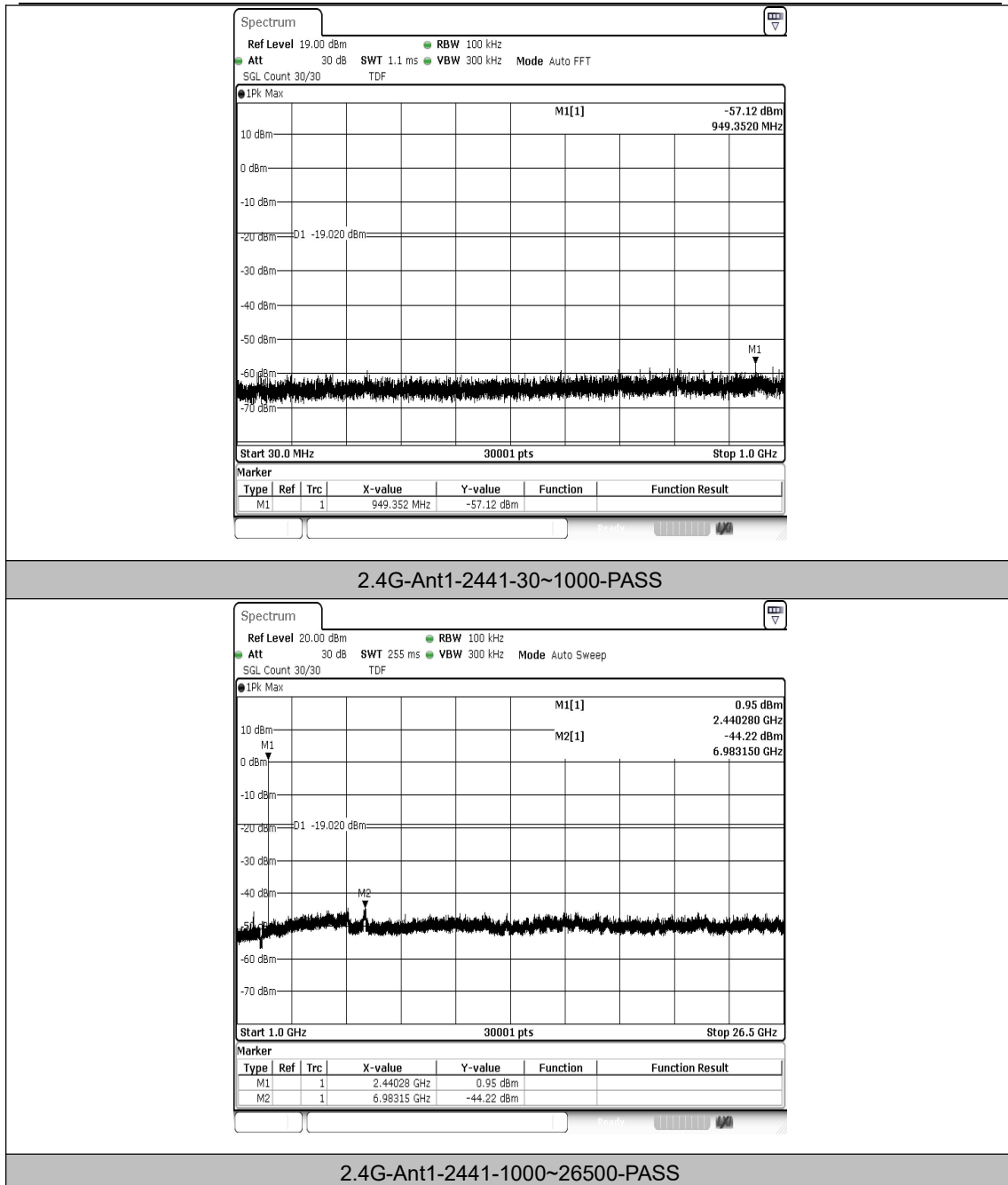
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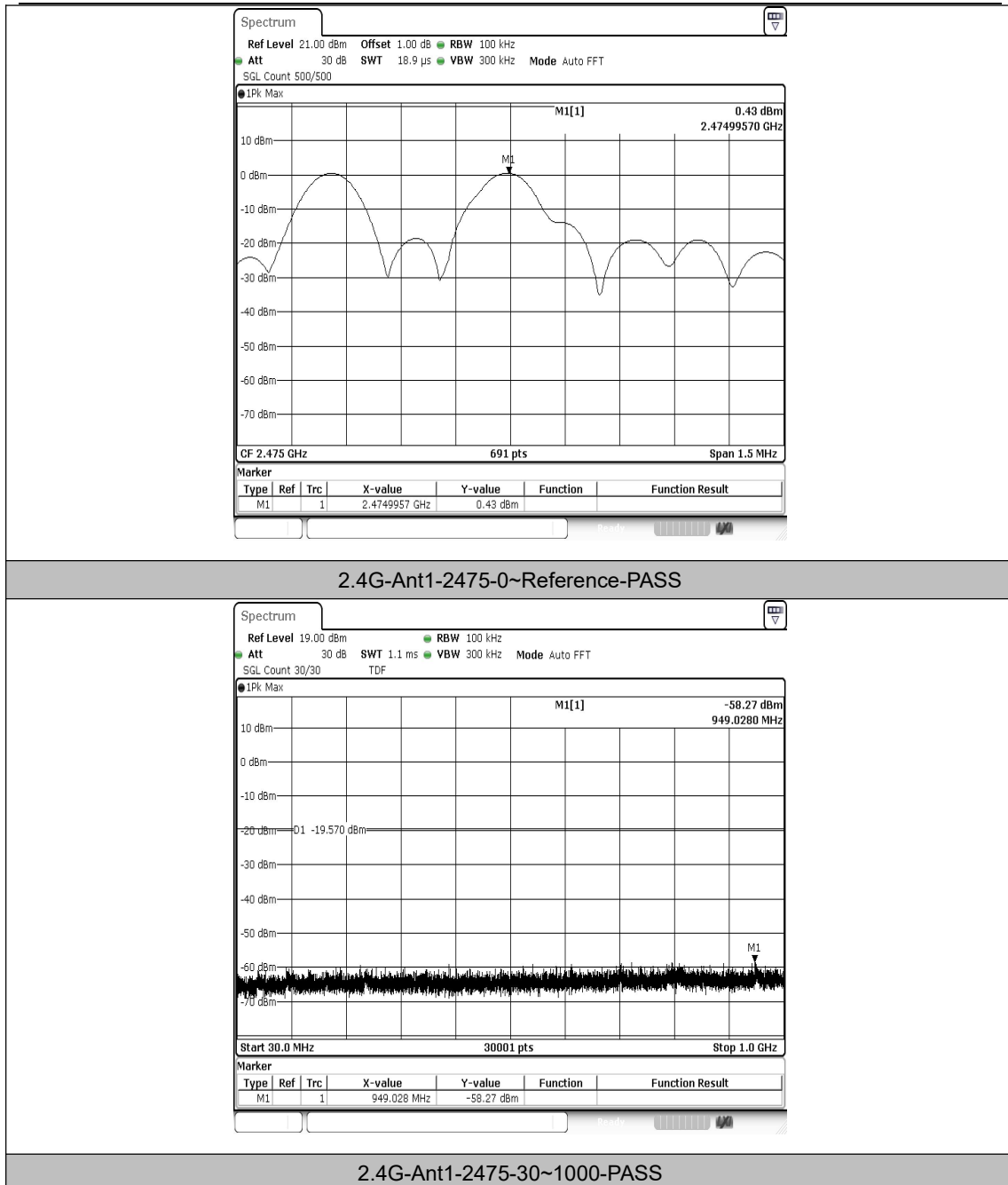
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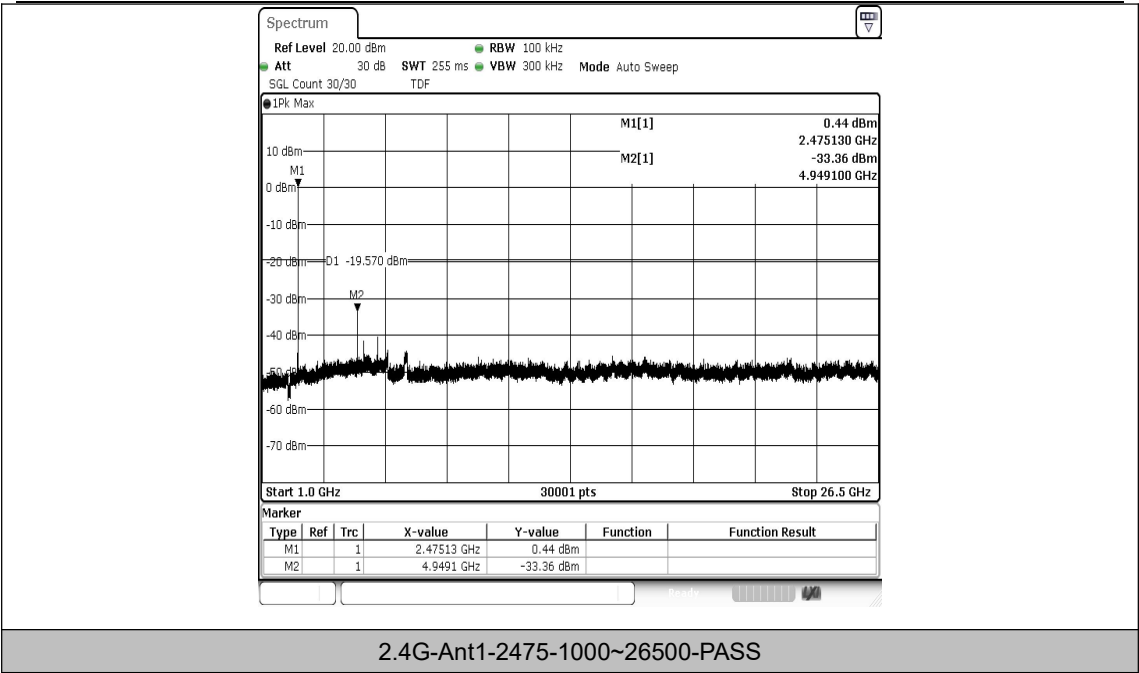
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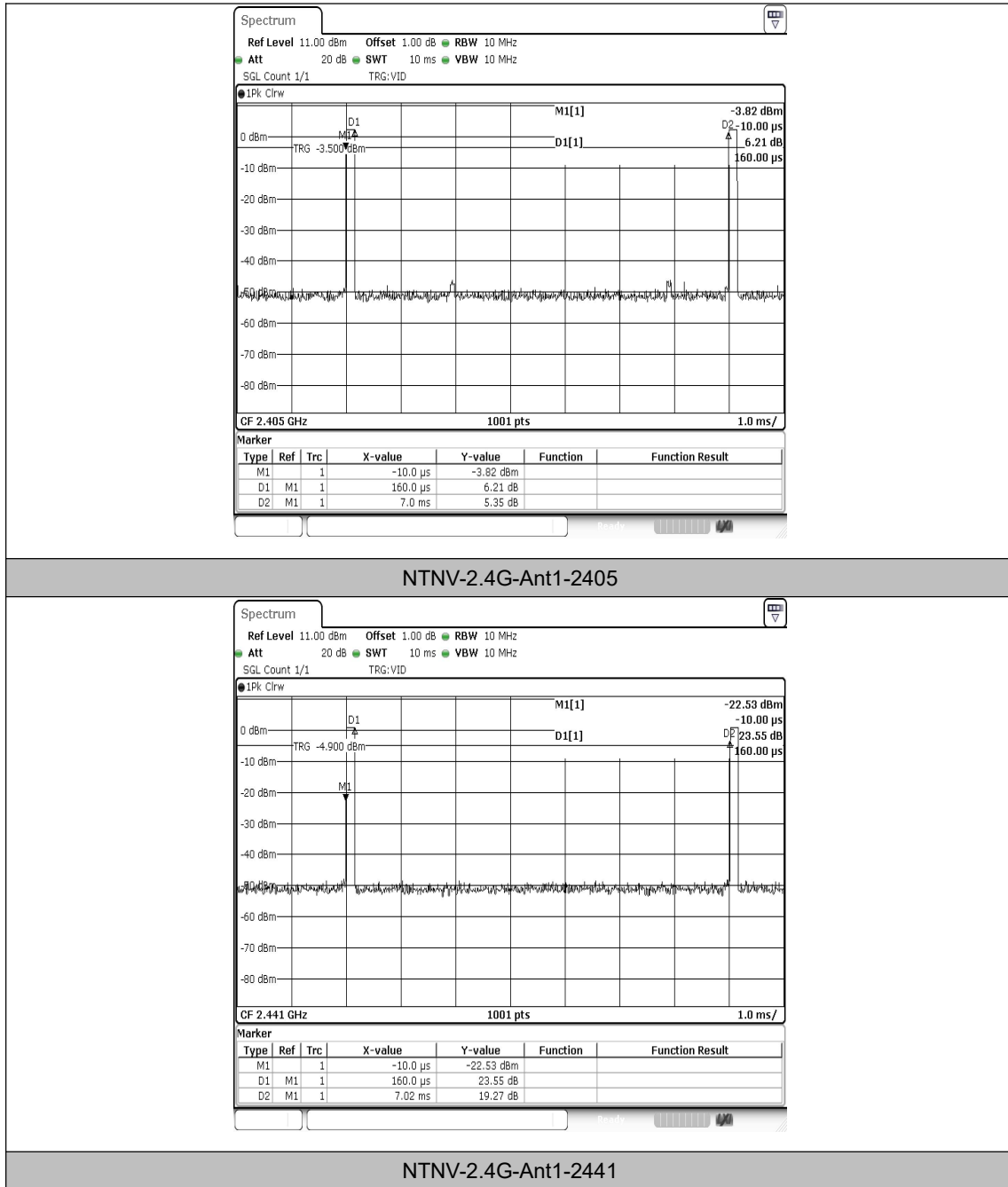
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Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2405	0.16	7.00	2.29	16.40
2.4G	Ant1	2441	0.16	7.02	2.28	16.42
2.4G	Ant1	2475	0.16	7.01	2.28	16.42

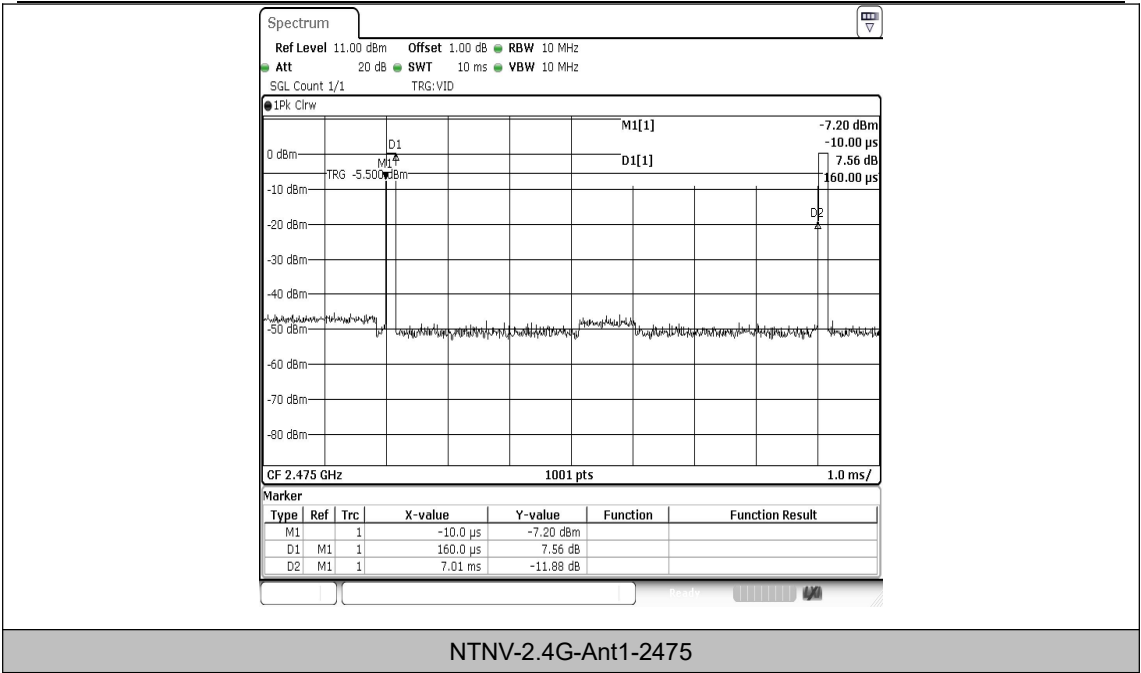
Test Graphs



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