

Appendix Test Data

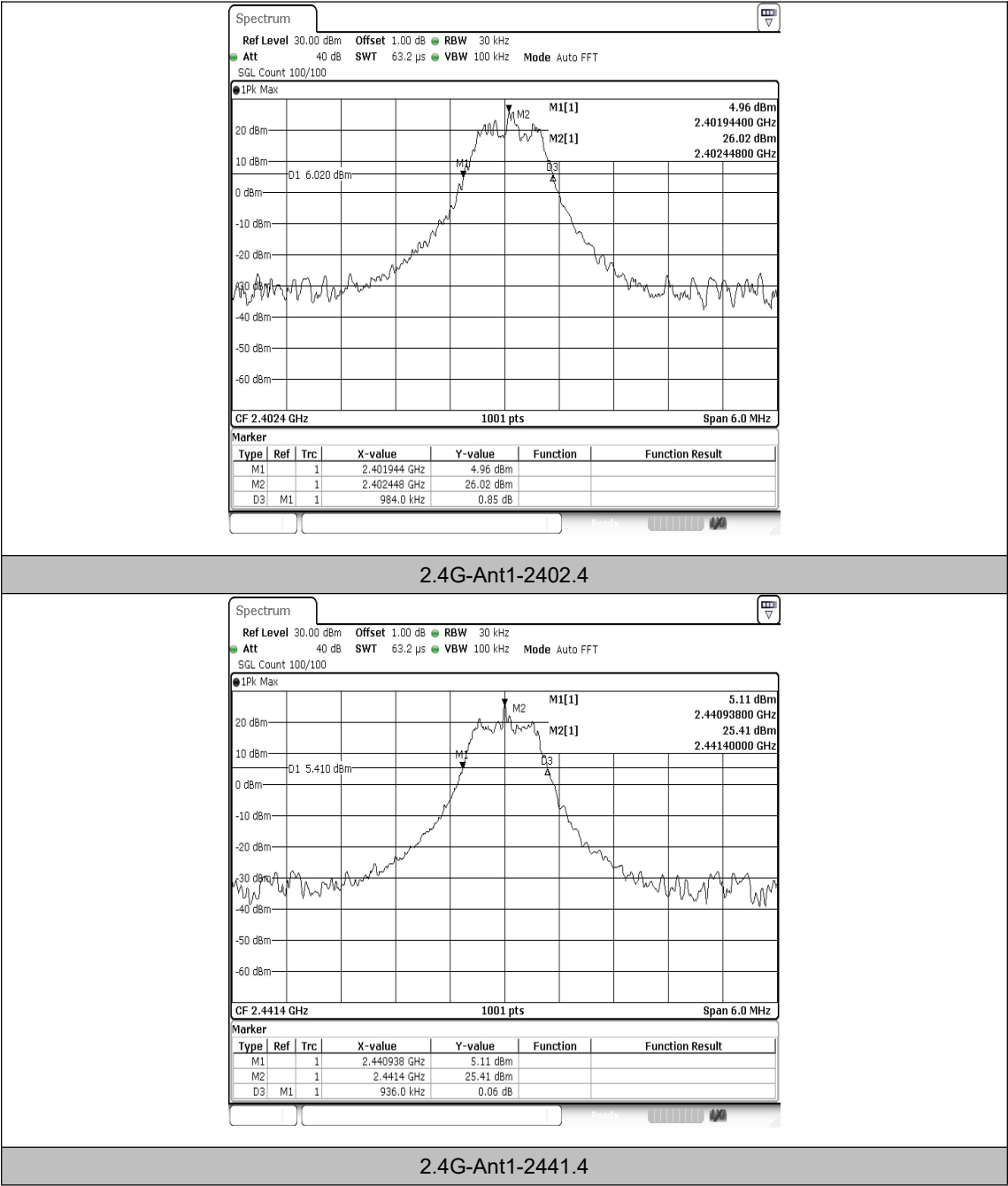
Report No.:	1812C50294912503	Test Sample No.:	1-2-2
Start Test Date:	2025-7-18	Finish Test Date:	2025-9-3
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	21.8℃	Relative Humidity:	61%
Pressure:	101kPa		

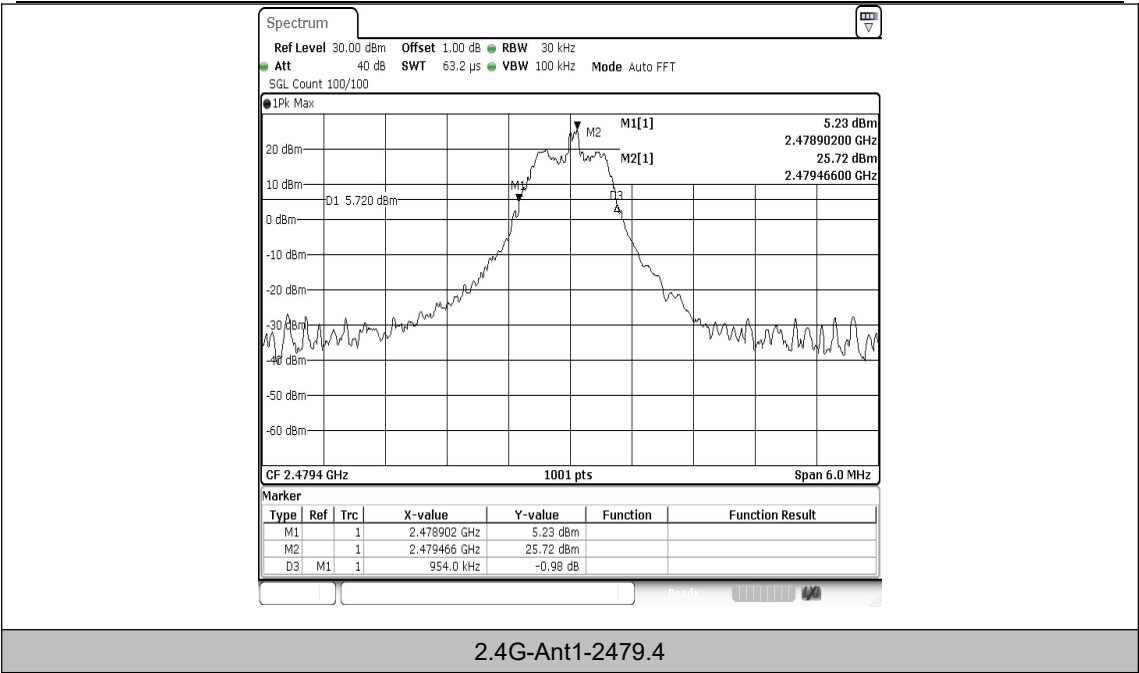
Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402.4	0.98	2401.94	2402.93	---	---
2.4G	Ant1	2441.4	0.94	2440.94	2441.87	---	---
2.4G	Ant1	2479.4	0.95	2478.90	2479.86	---	---

Test Graphs





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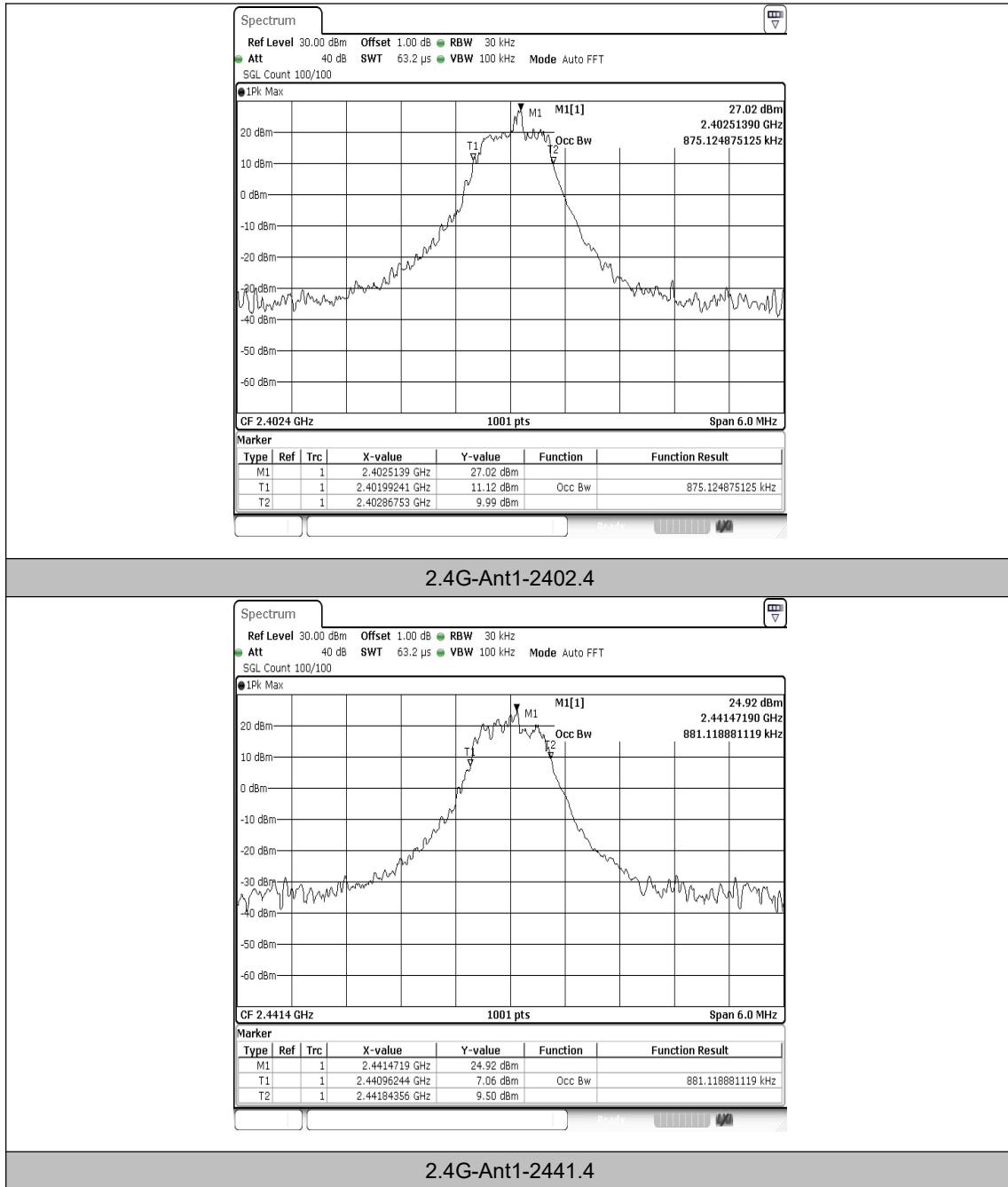
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402.4	0.87512	2401.9924	2402.8675	---	---
2.4G	Ant1	2441.4	0.88112	2440.9624	2441.8436	---	---
2.4G	Ant1	2479.4	0.89311	2478.9504	2479.8436	---	---

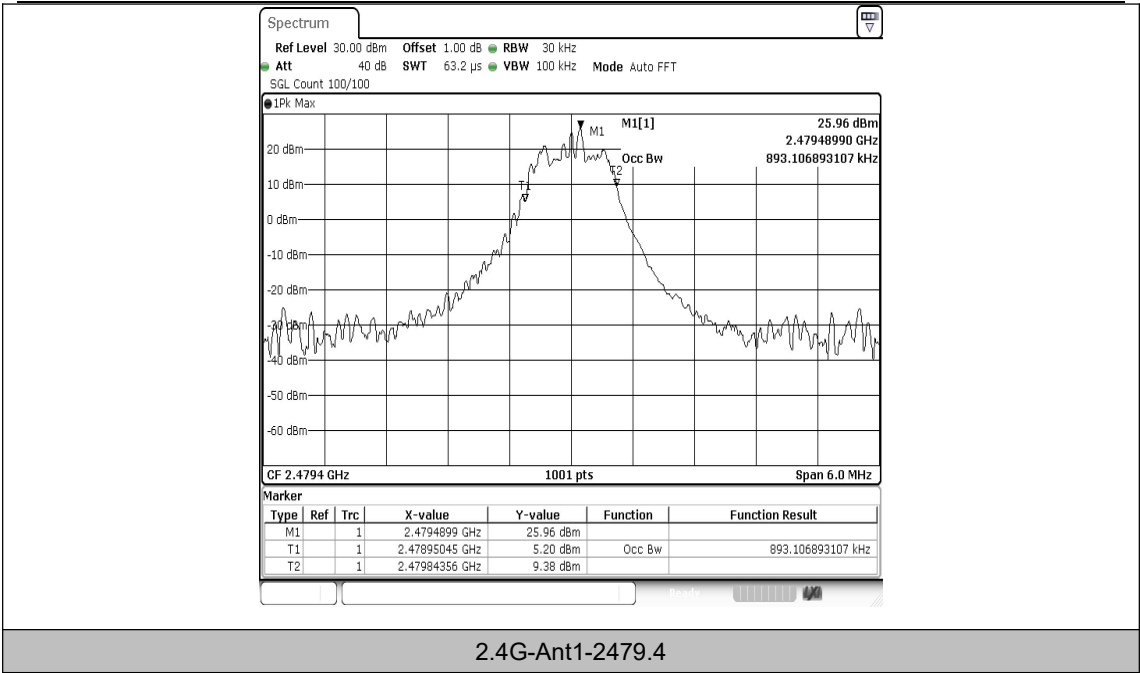
Test Graphs



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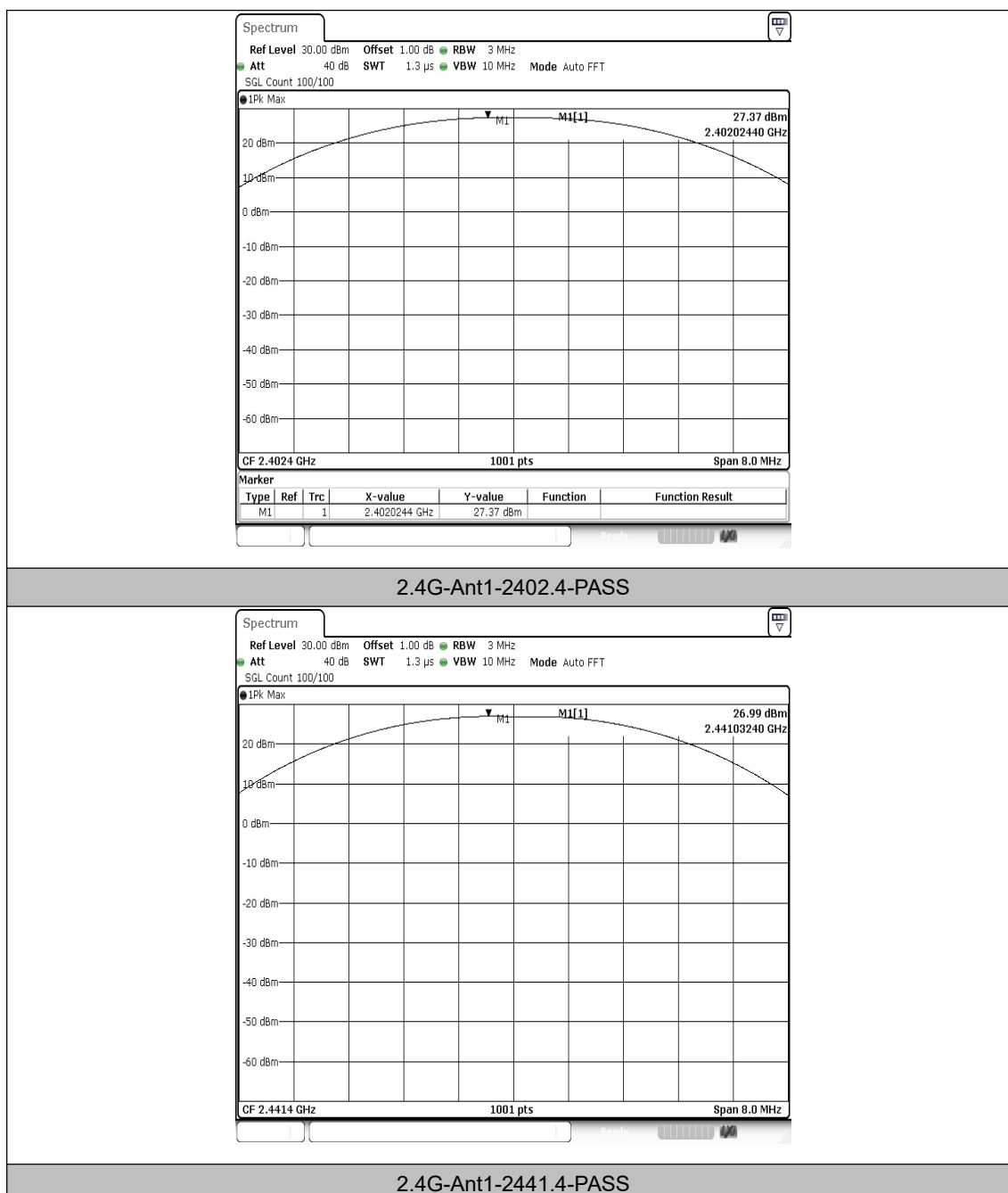
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Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2402.4	27.38	≤30	PASS
2.4G	Ant1	2441.4	26.99	≤30	PASS
2.4G	Ant1	2479.4	26.39	≤30	PASS

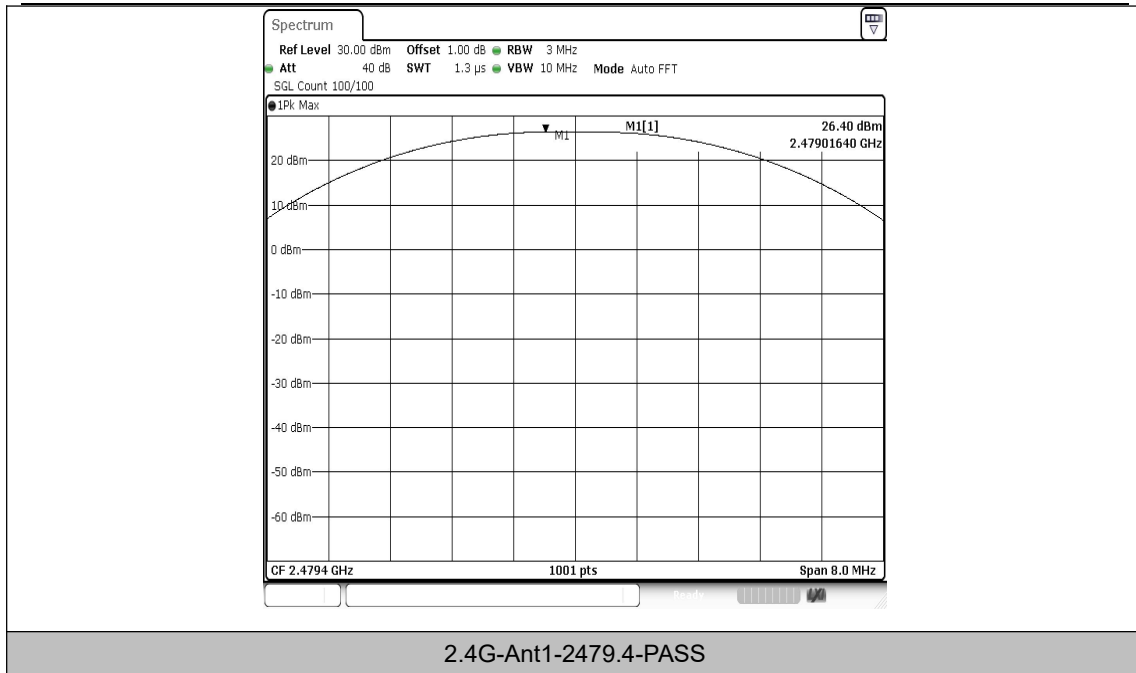
Test Graphs



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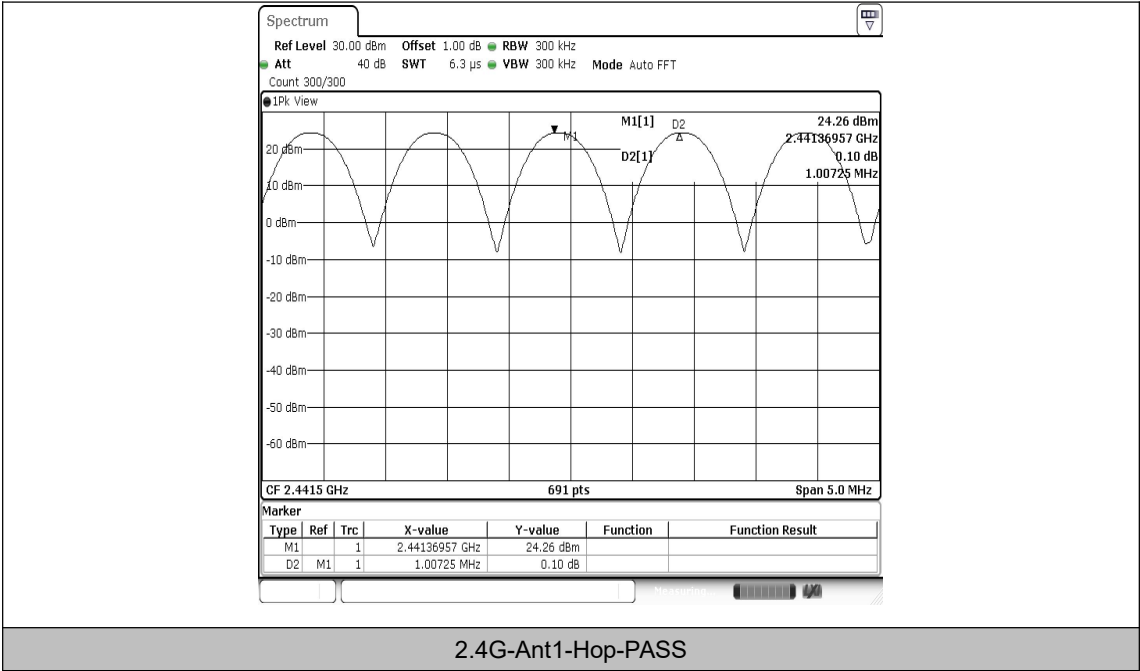
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	1.000	≥0.653	PASS

Test Graphs

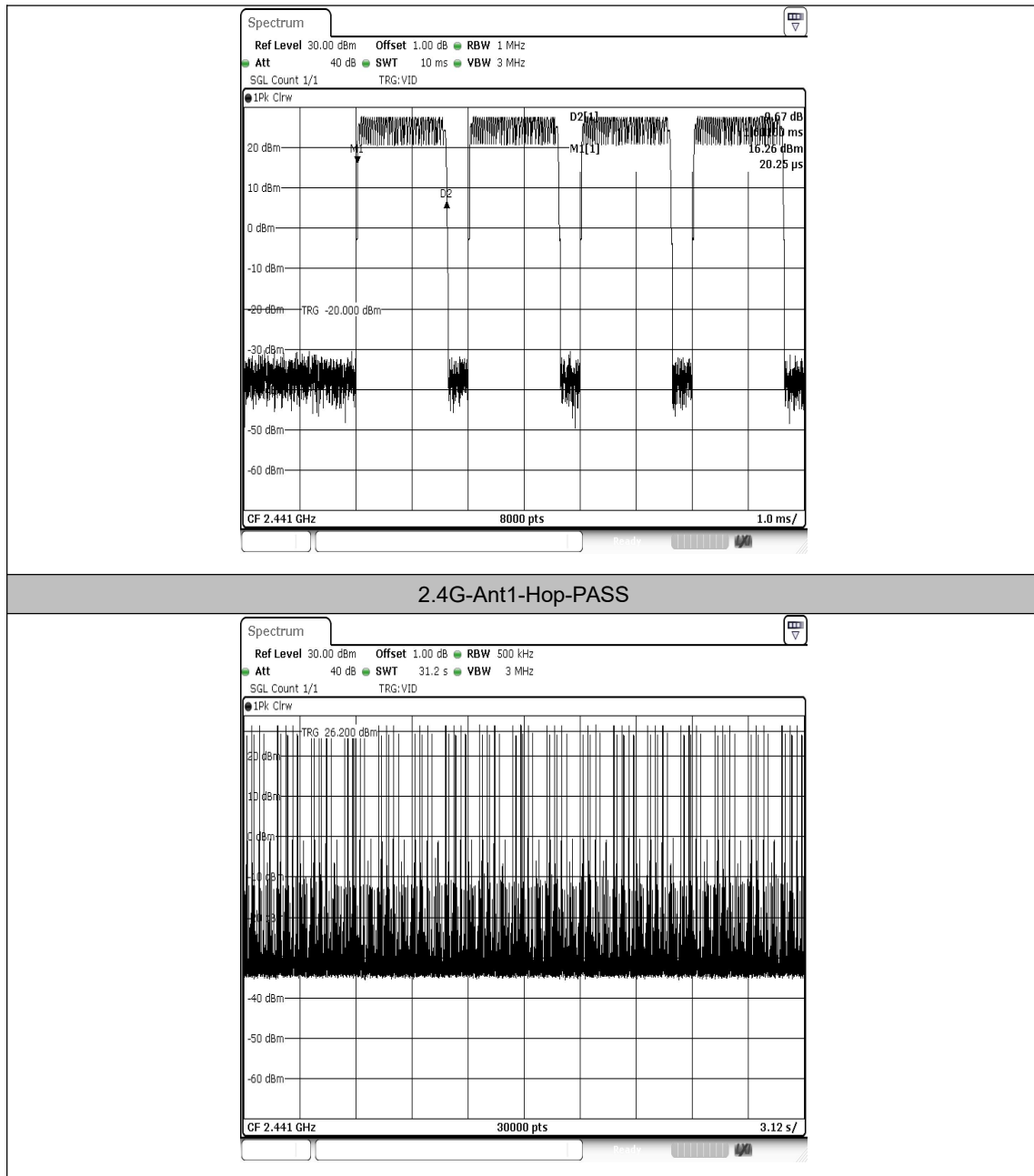


Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	1.601	102	0.163	≤0.4	PASS

Test Graphs



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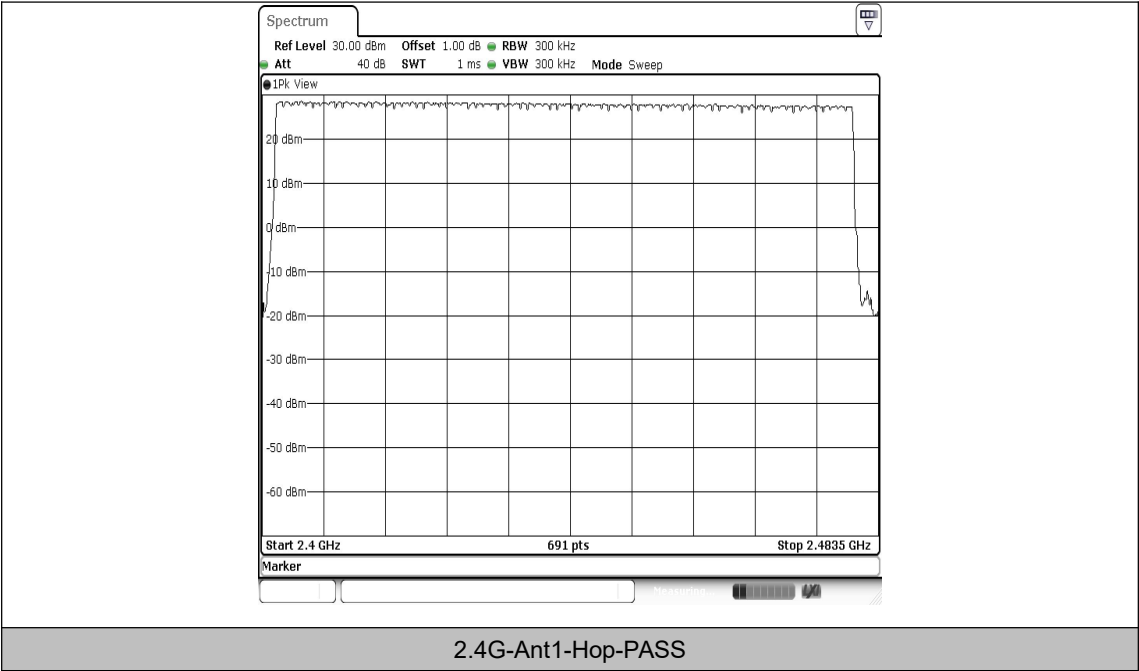
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Appendix F: Number of Hopping Channel

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [Num]	Limit [Num]	Verdict
2.4G	Ant1	Hop	78	≥15	PASS

Test Graphs



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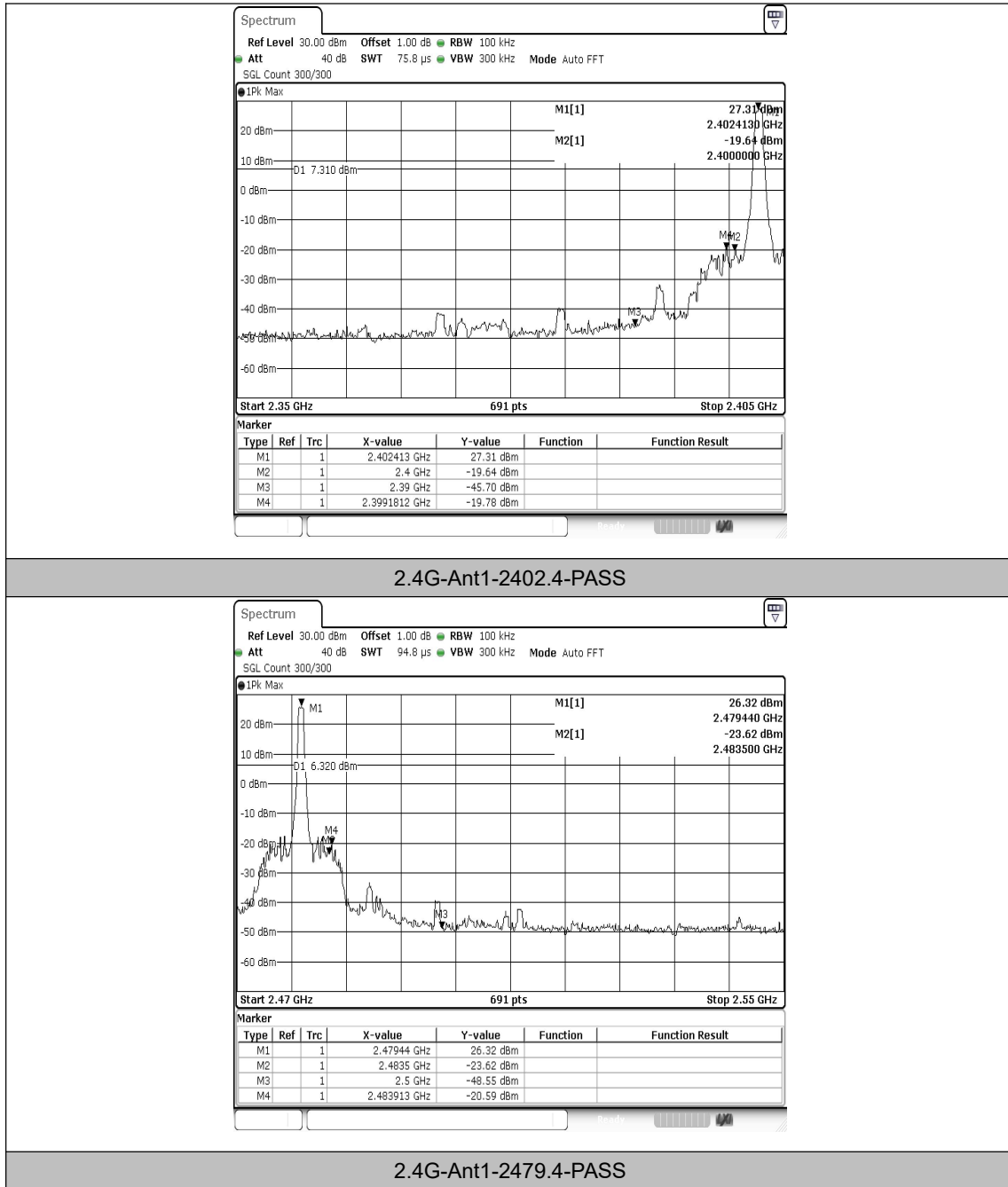
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2402.4	27.31	-19.78	≤7.31	PASS
2.4G	Ant1	High	2479.4	26.32	-20.59	≤6.32	PASS
2.4G	Ant1	Low	Hop_2402.4	25.44	-32.95	≤5.44	PASS
2.4G	Ant1	High	Hop_2479.4	25.24	-33.77	≤5.24	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.

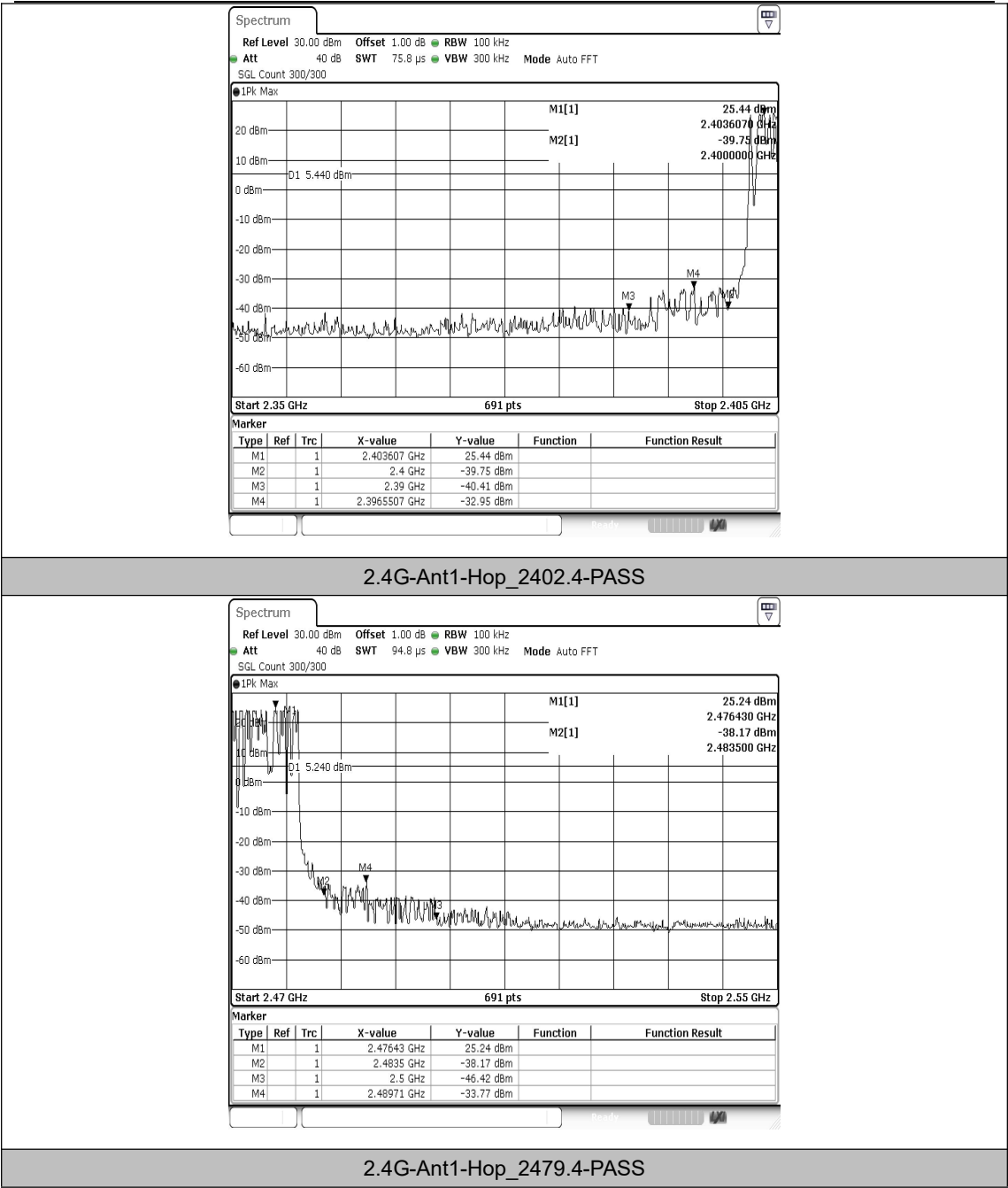
Test Graphs



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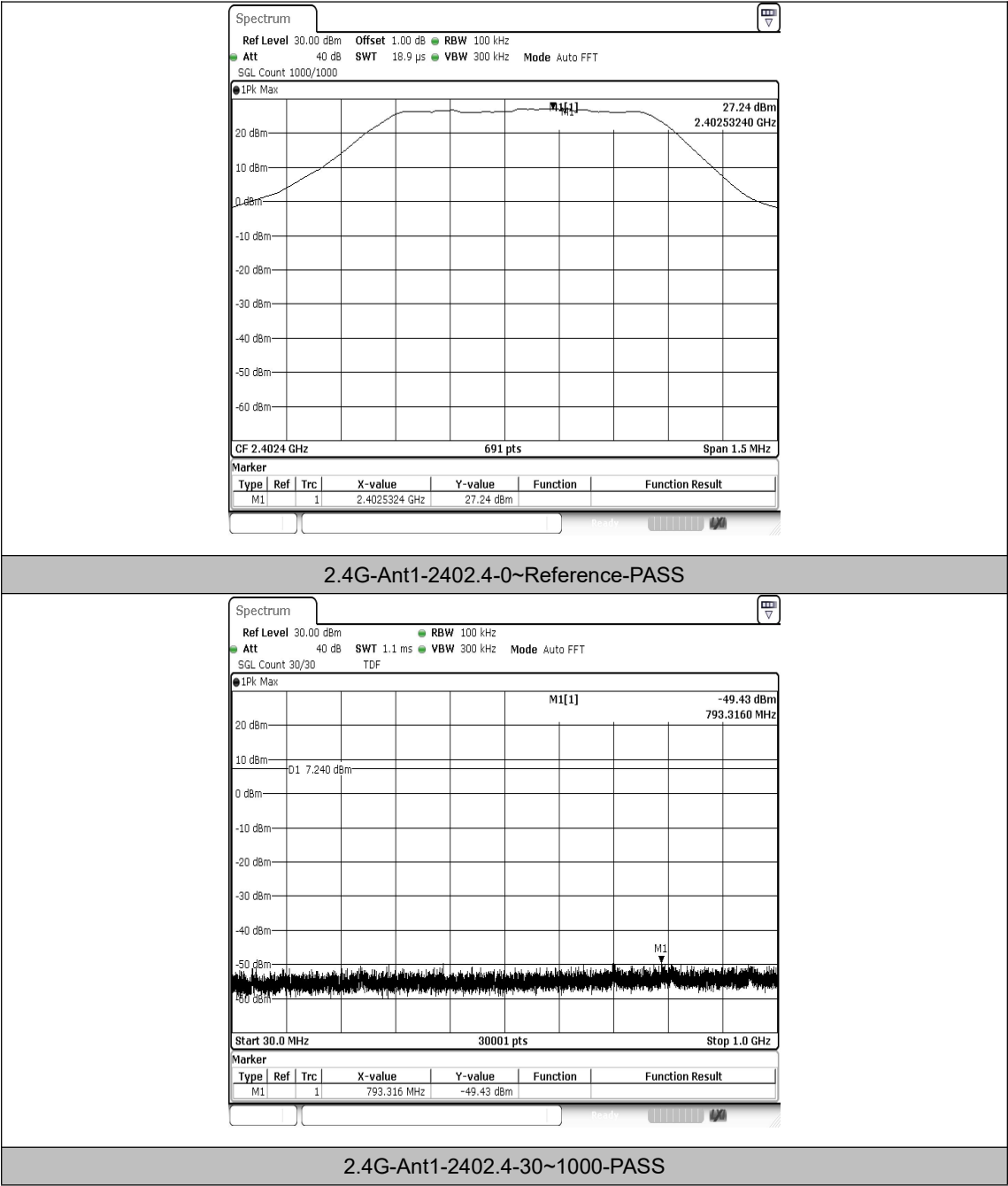
Appendix H: Conducted Spurious Emission

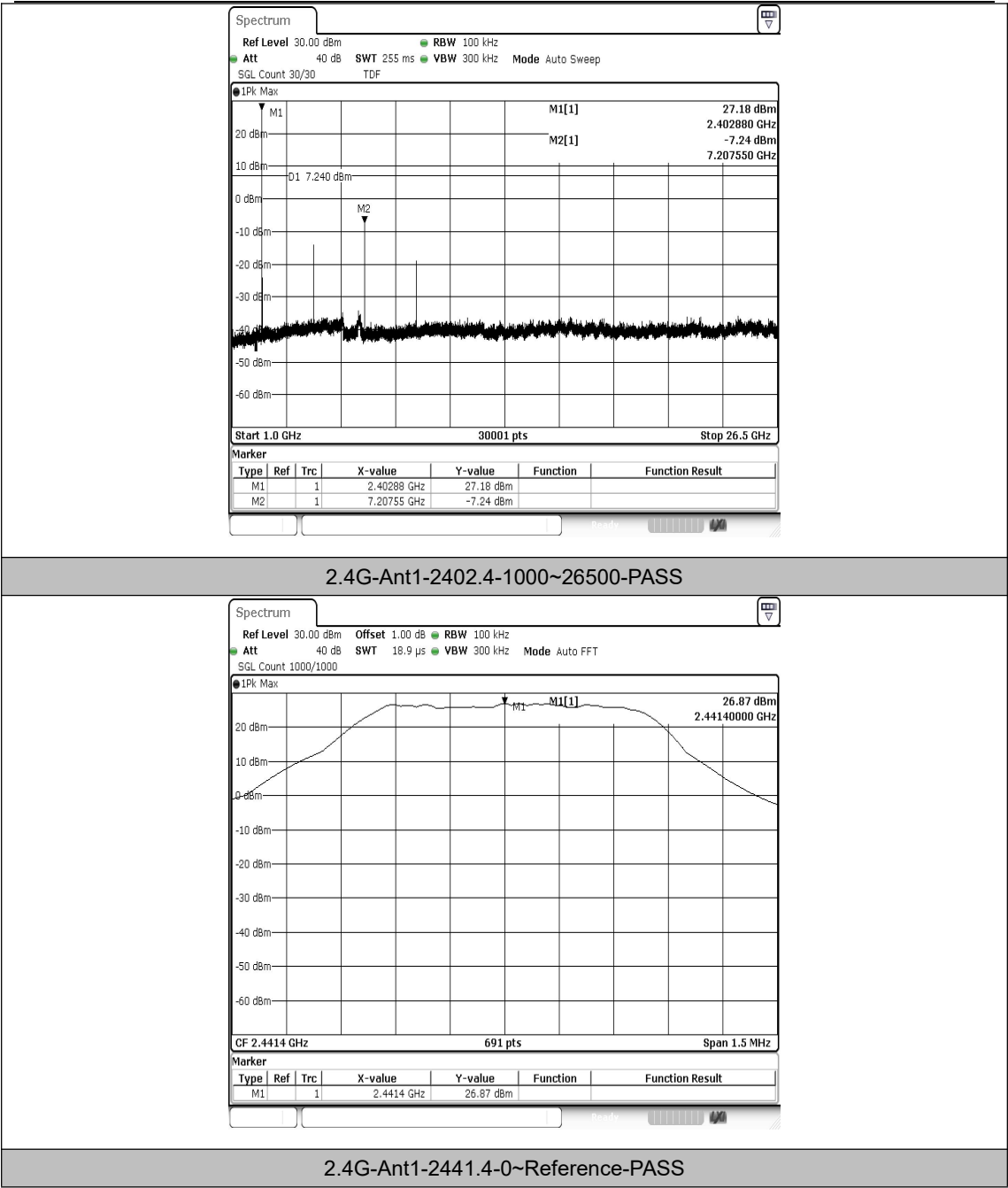
Test Result

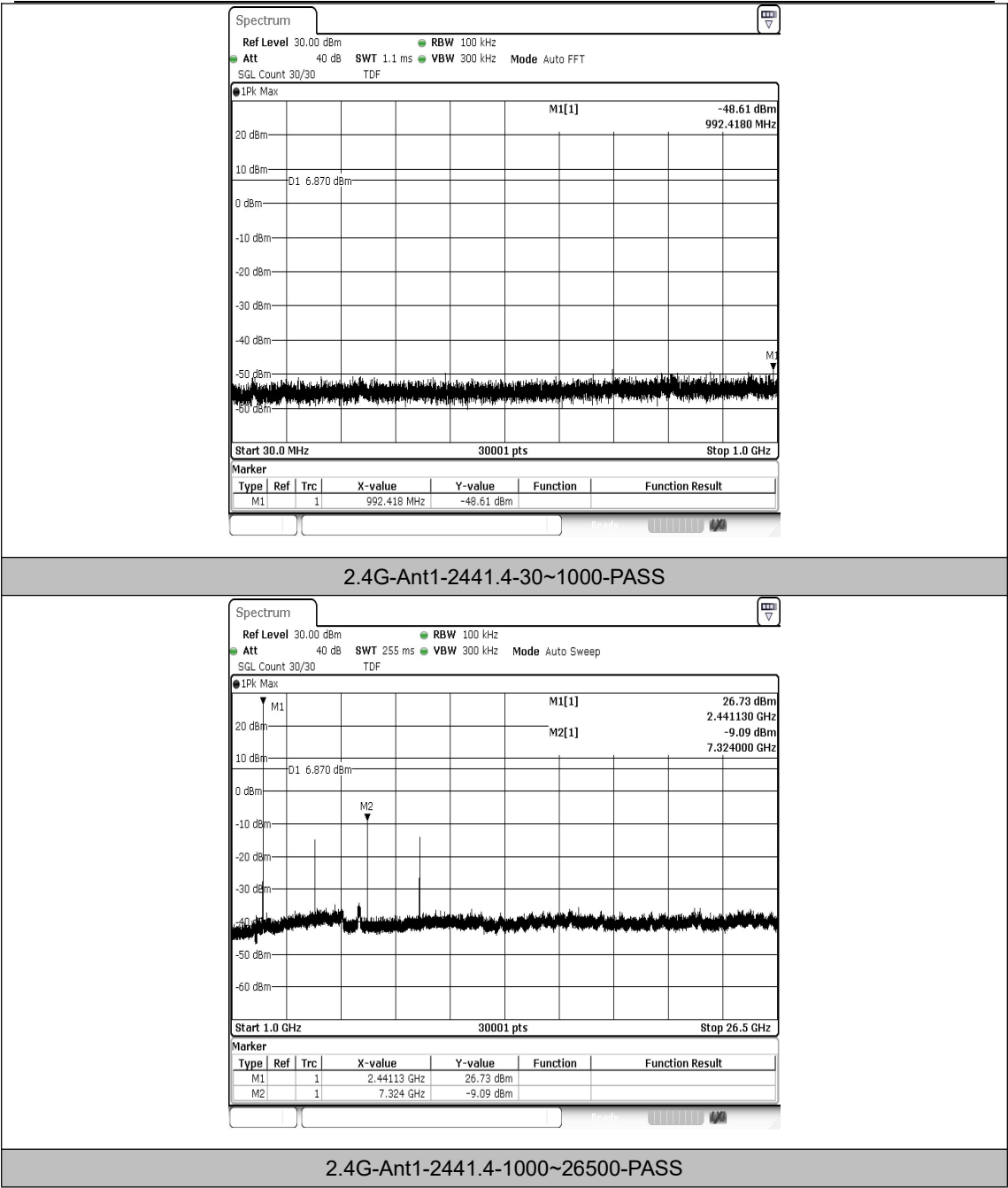
Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2402.4	0~Reference	27.24	27.24	---	PASS
2.4G	Ant1	2402.4	30~1000	27.24	-49.43	≤7.24	PASS
2.4G	Ant1	2402.4	1000~26500	27.24	-7.24	≤7.24	PASS
2.4G	Ant1	2441.4	0~Reference	26.87	26.87	---	PASS
2.4G	Ant1	2441.4	30~1000	26.87	-48.61	≤6.87	PASS
2.4G	Ant1	2441.4	1000~26500	26.87	-9.09	≤6.87	PASS
2.4G	Ant1	2479.4	0~Reference	26.31	26.31	---	PASS
2.4G	Ant1	2479.4	30~1000	26.31	-46.34	≤6.31	PASS
2.4G	Ant1	2479.4	1000~26500	26.31	-13.73	≤6.31	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



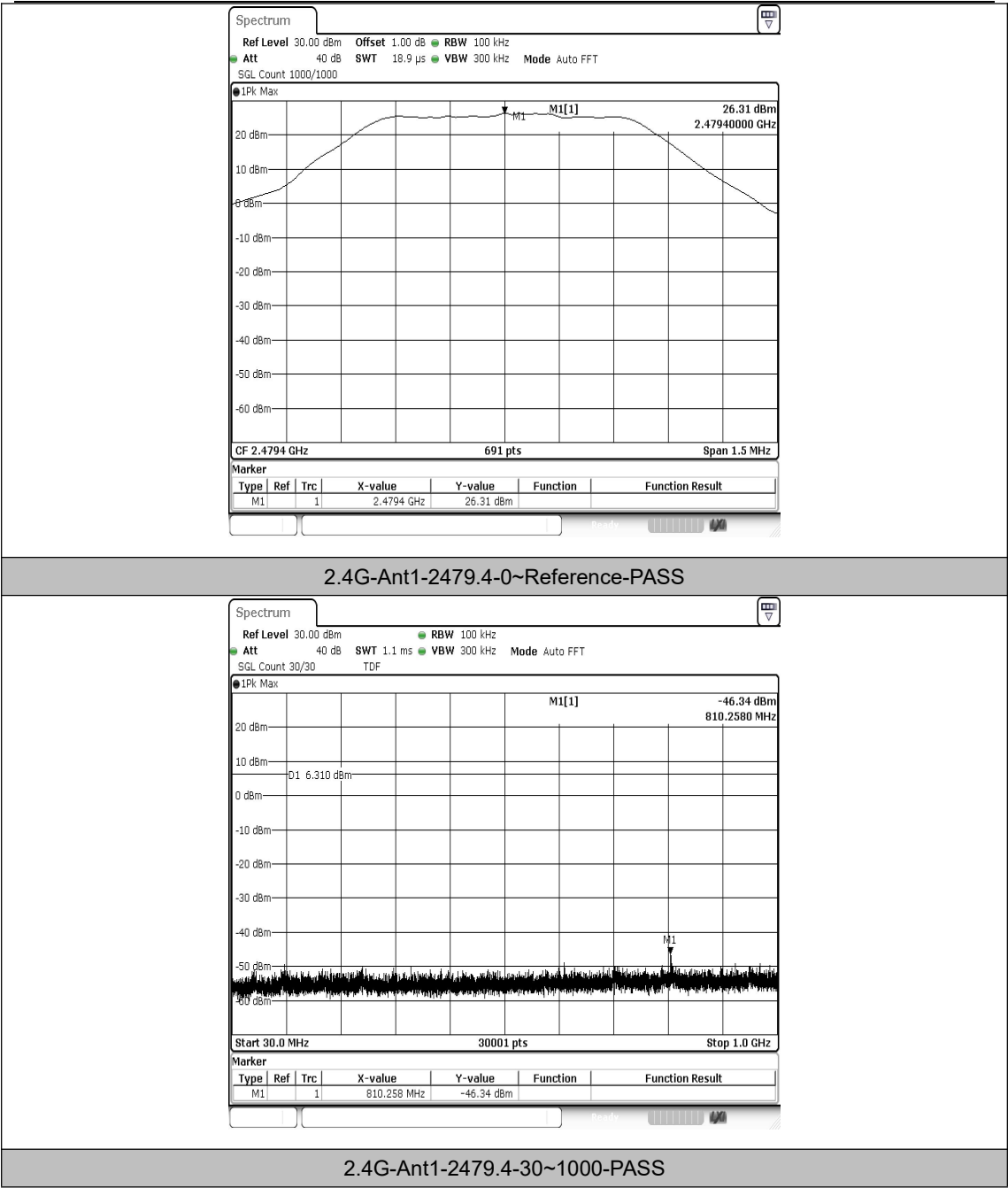




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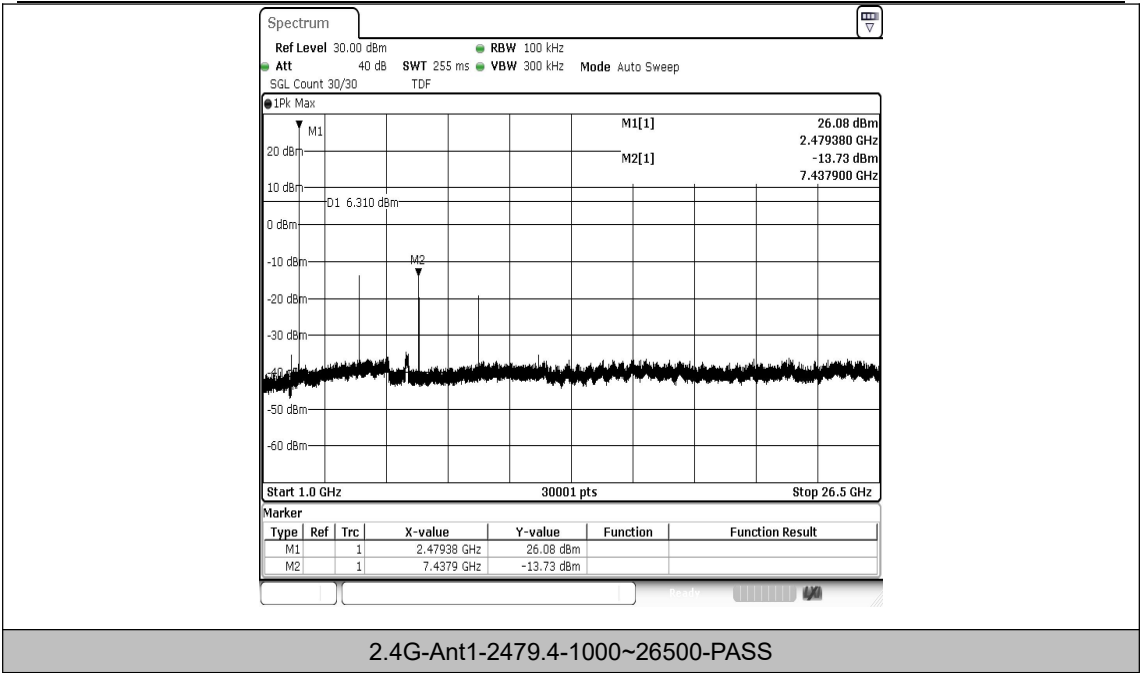
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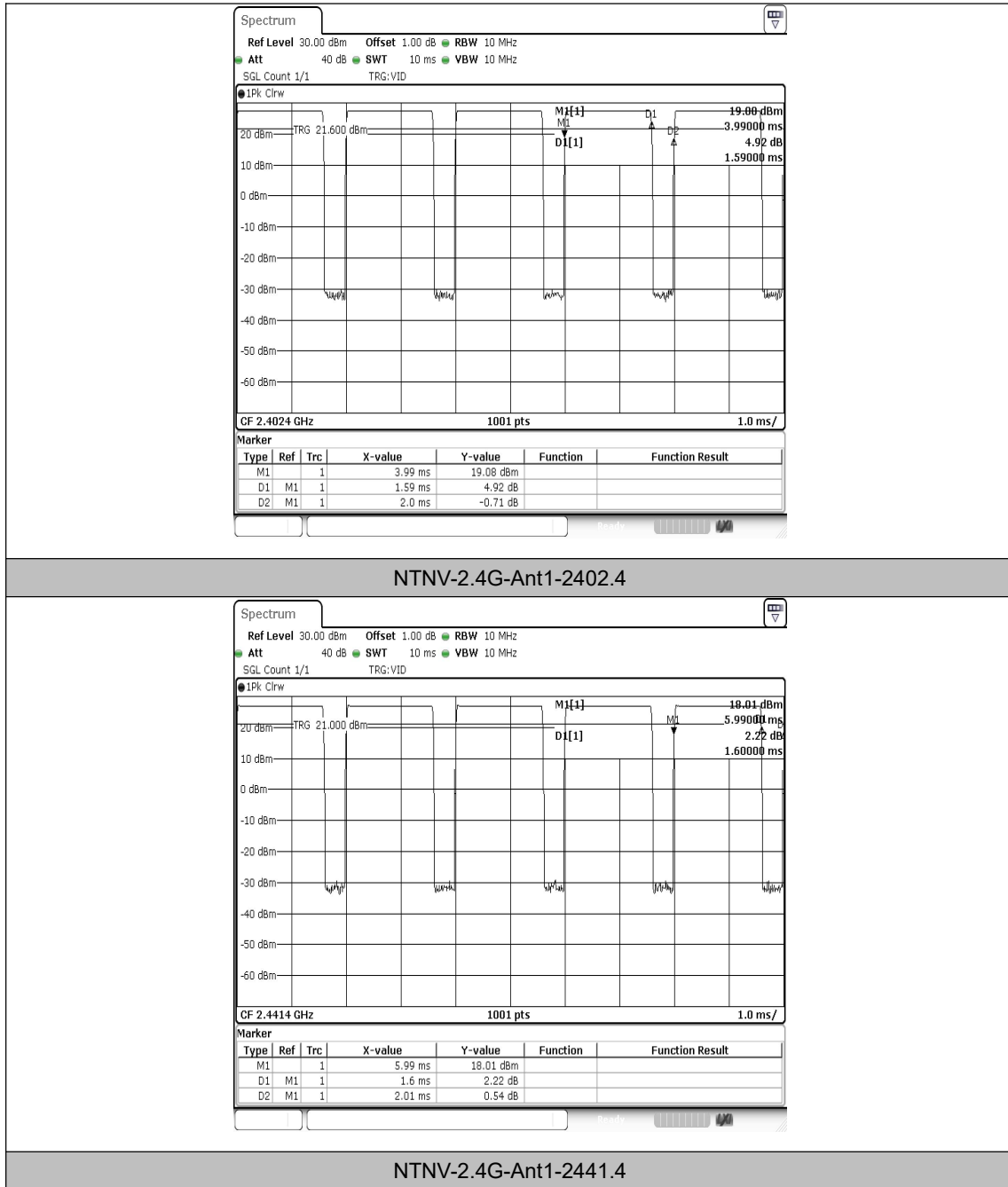
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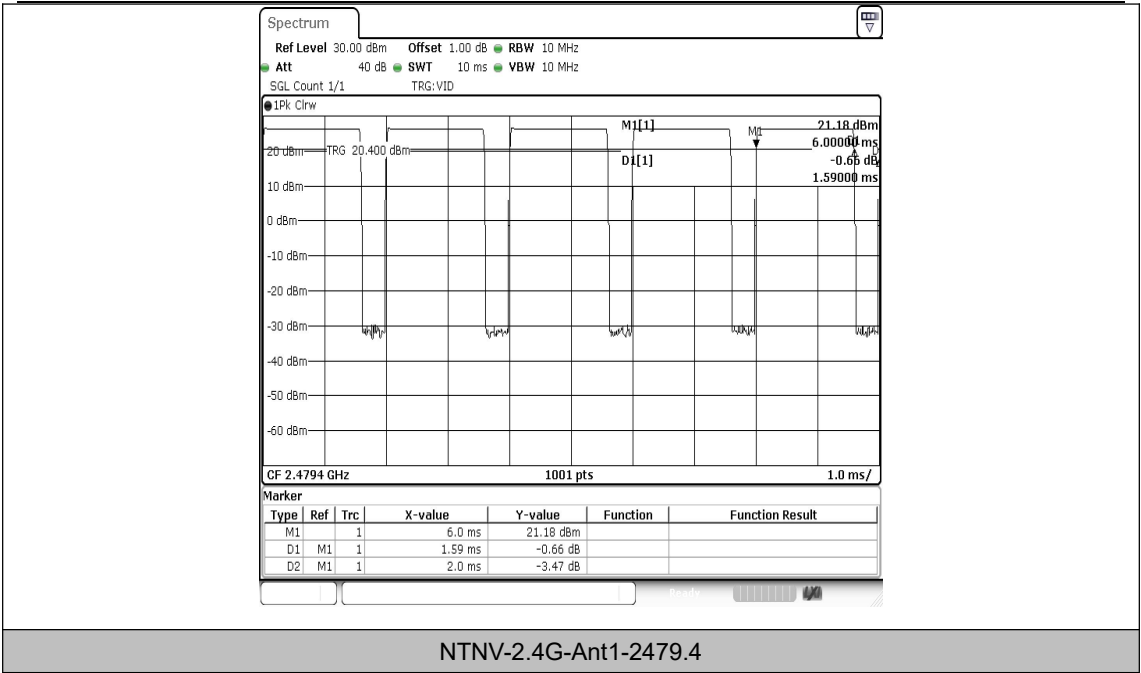
Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2402.4	1.59	2.00	79.50	1.00
2.4G	Ant1	2441.4	1.60	2.01	79.60	0.99
2.4G	Ant1	2479.4	1.59	2.00	79.50	1.00

Test Graphs





---End---