

Appendix Test Data

Report No.:	1812C50269012501	Test Sample No.:	1-2-2
Start Test Date:	2025-6-9	Finish Test Date:	2025-6-13
Test Engineer:	Hu Sen Guan	Auditor:	Justin Feng
Temperature:	25.7°C	Relative Humidity:	50%
Pressure:	101kPa		

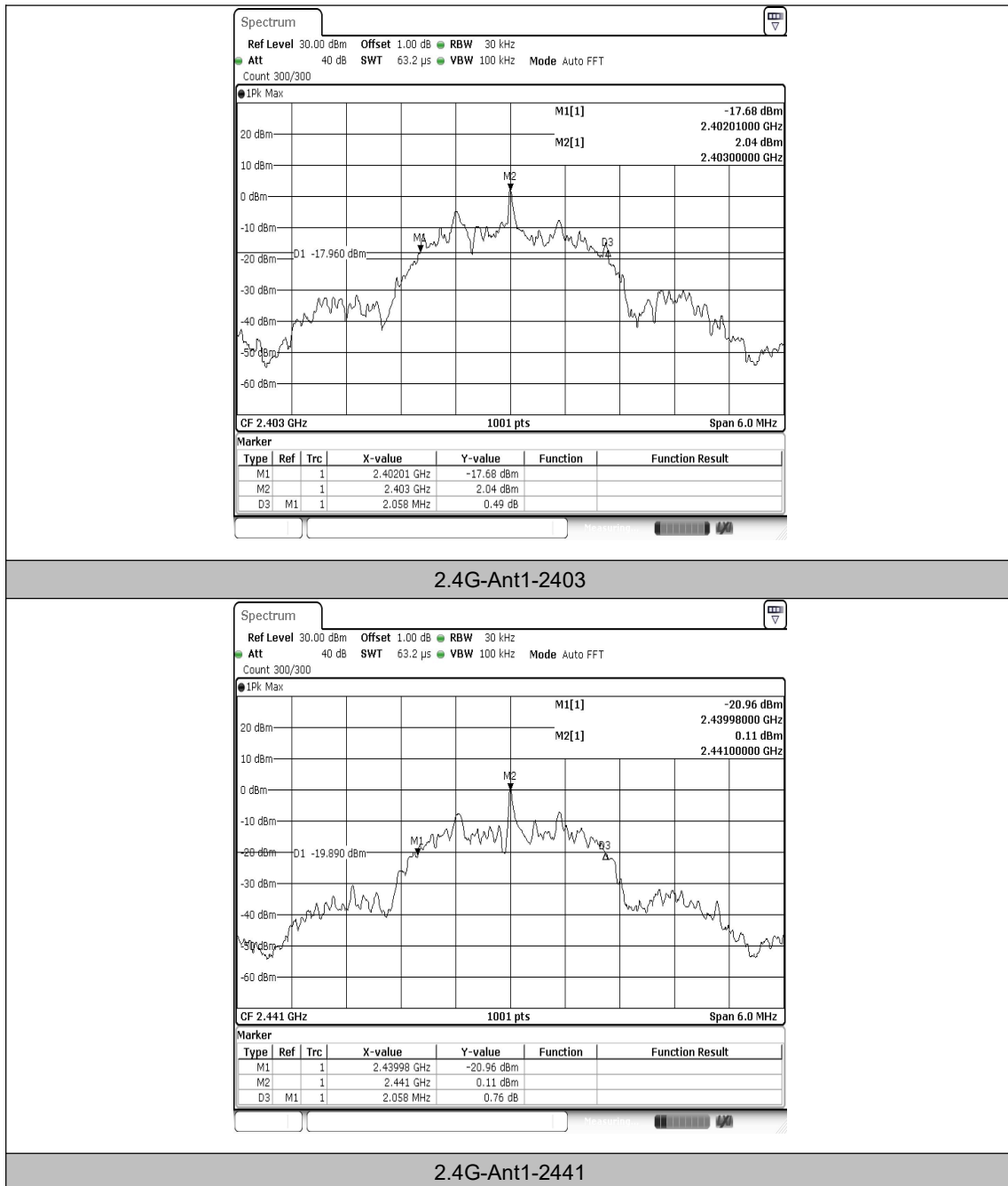
Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.06	2402.01	2404.07	---	---
2.4G	Ant1	2441	2.06	2439.98	2442.04	---	---
2.4G	Ant1	2479	2.03	2477.99	2480.02	---	---



Test Graphs

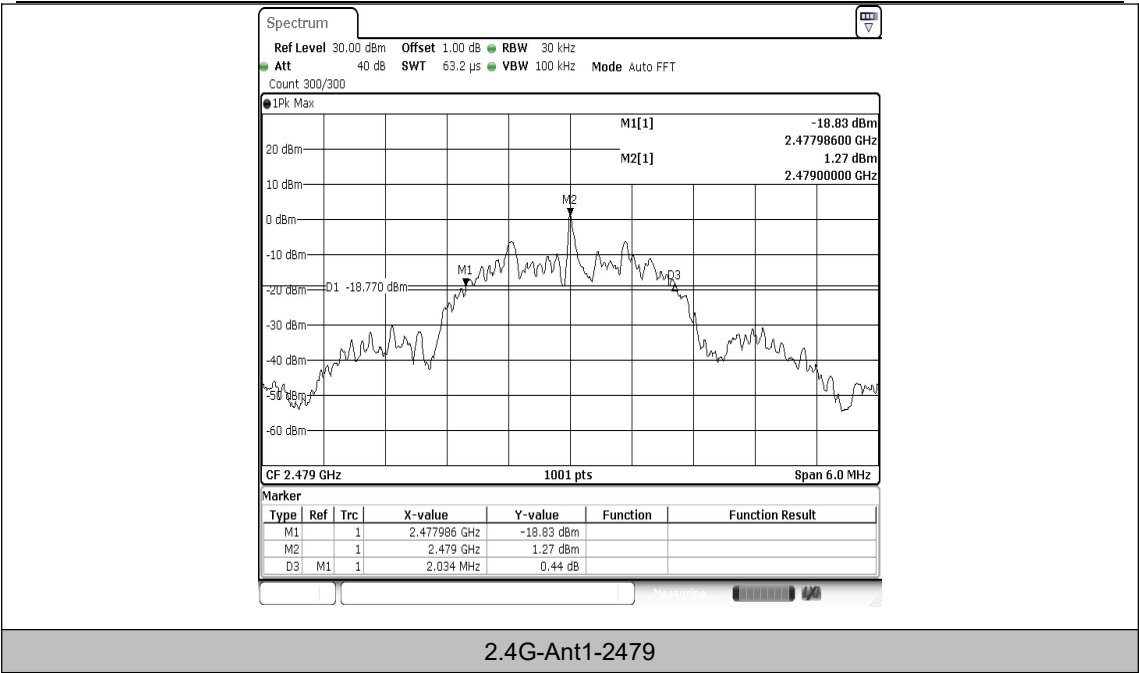


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Appendix B: 99% Occupied Bandwidth

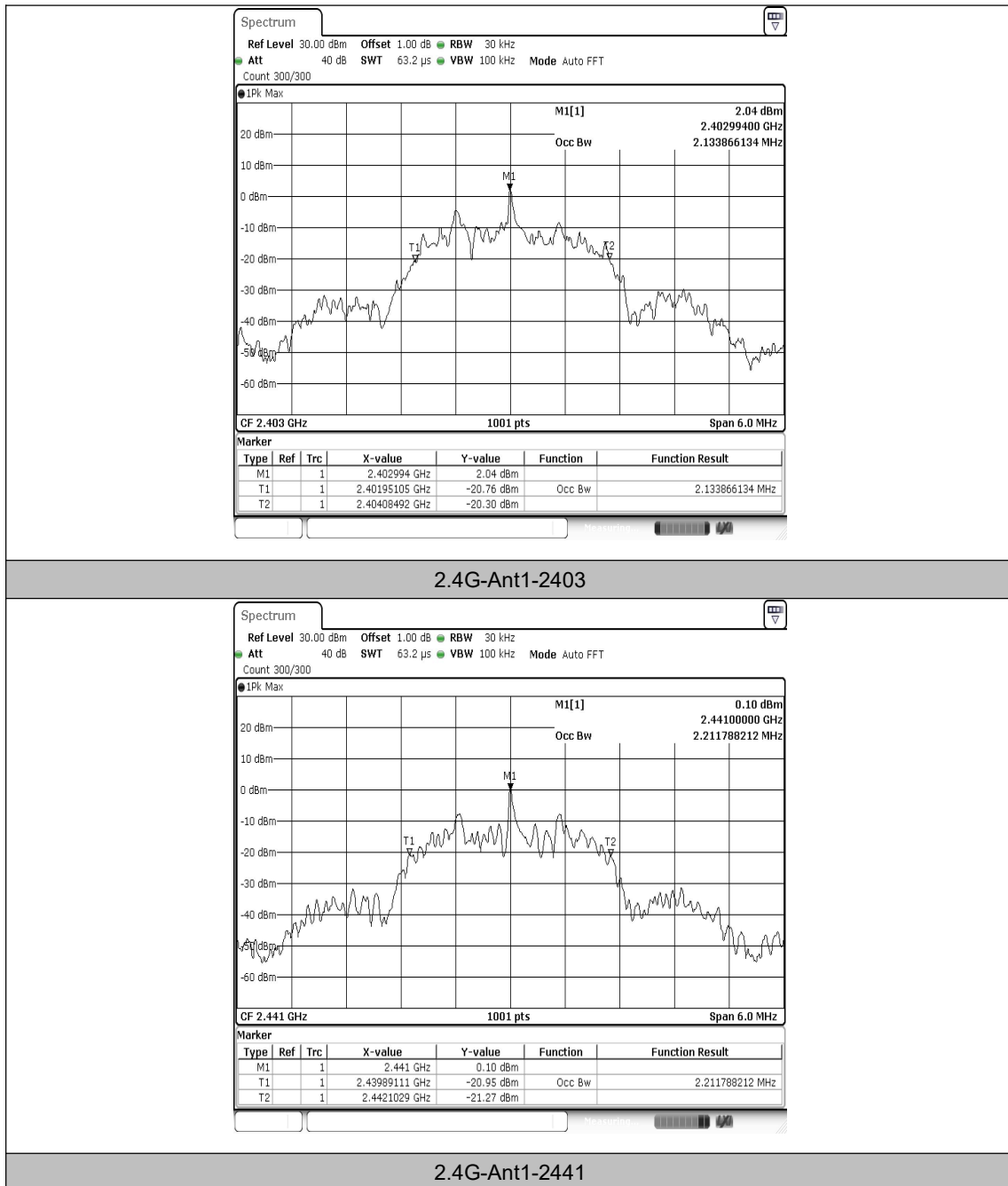
Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.1339	2401.9510	2404.0849	---	---
2.4G	Ant1	2441	2.2118	2439.8911	2442.1029	---	---
2.4G	Ant1	2479	2.1938	2477.8851	2480.0789	---	---

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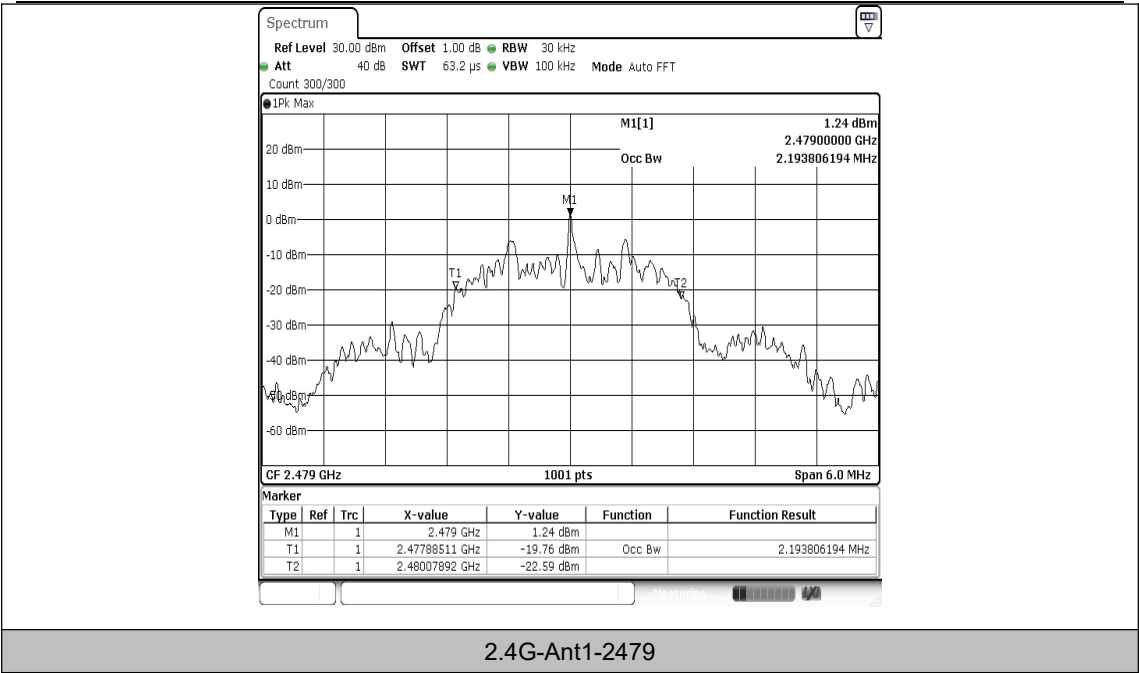
Test Graphs



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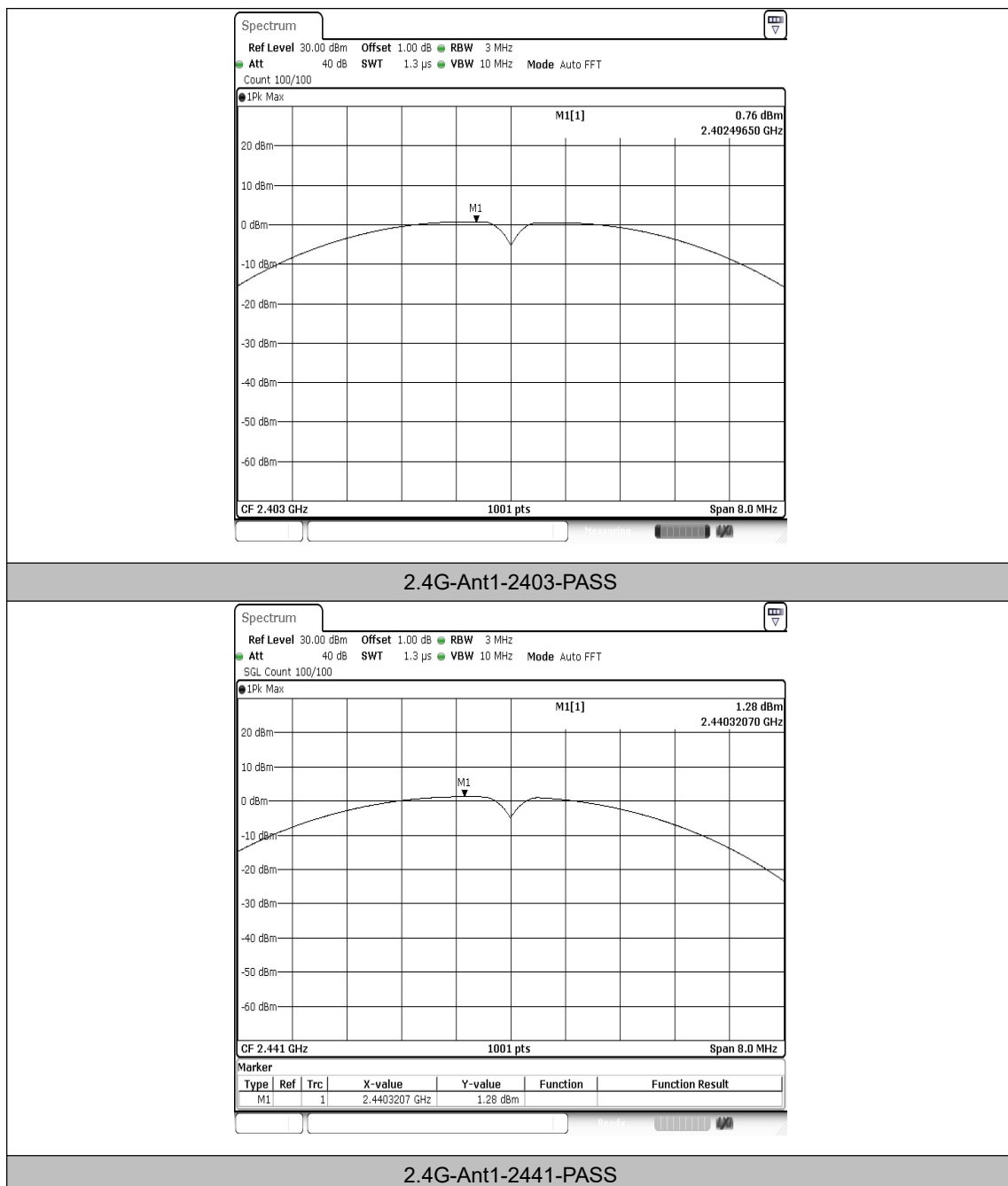
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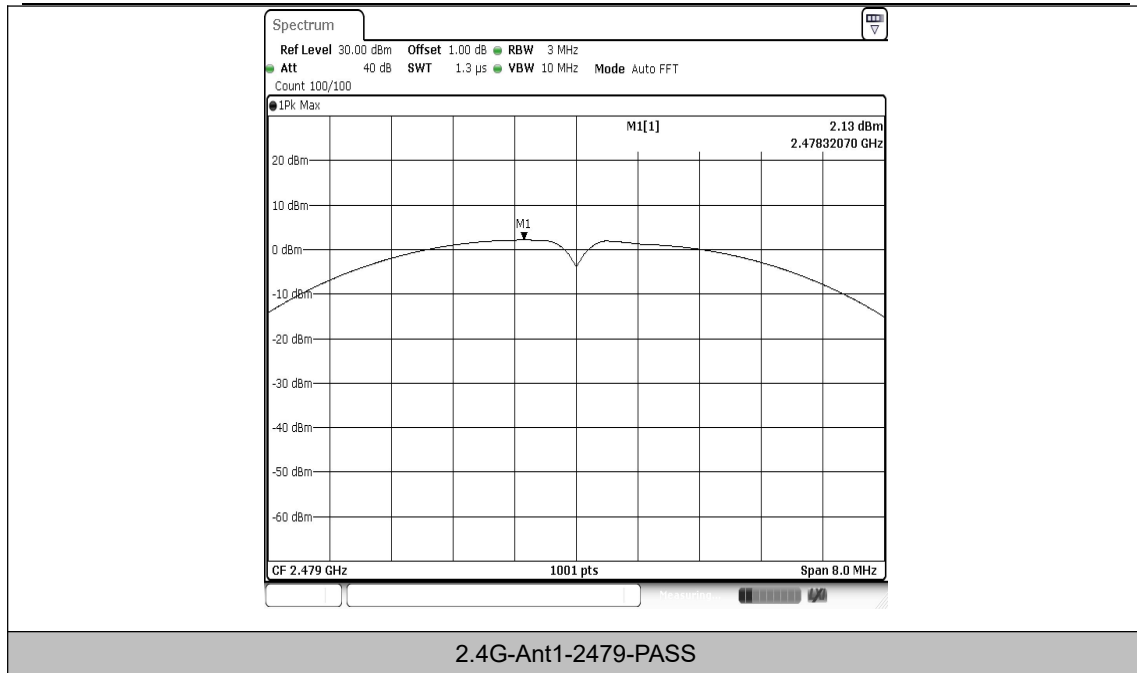
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	0.76	≤20.97	PASS
2.4G	Ant1	2441	1.28	≤20.97	PASS
2.4G	Ant1	2479	2.13	≤20.97	PASS

Test Graphs





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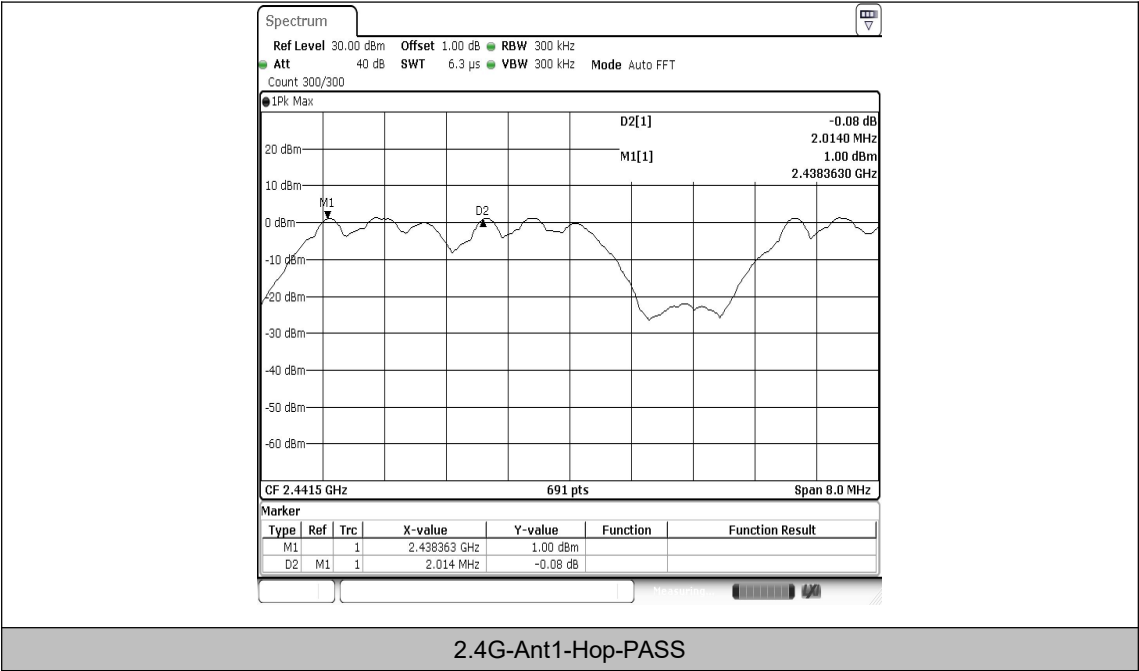
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.014	≥ 1.373	PASS



Test Graphs



2.4G-Ant1-Hop-PASS

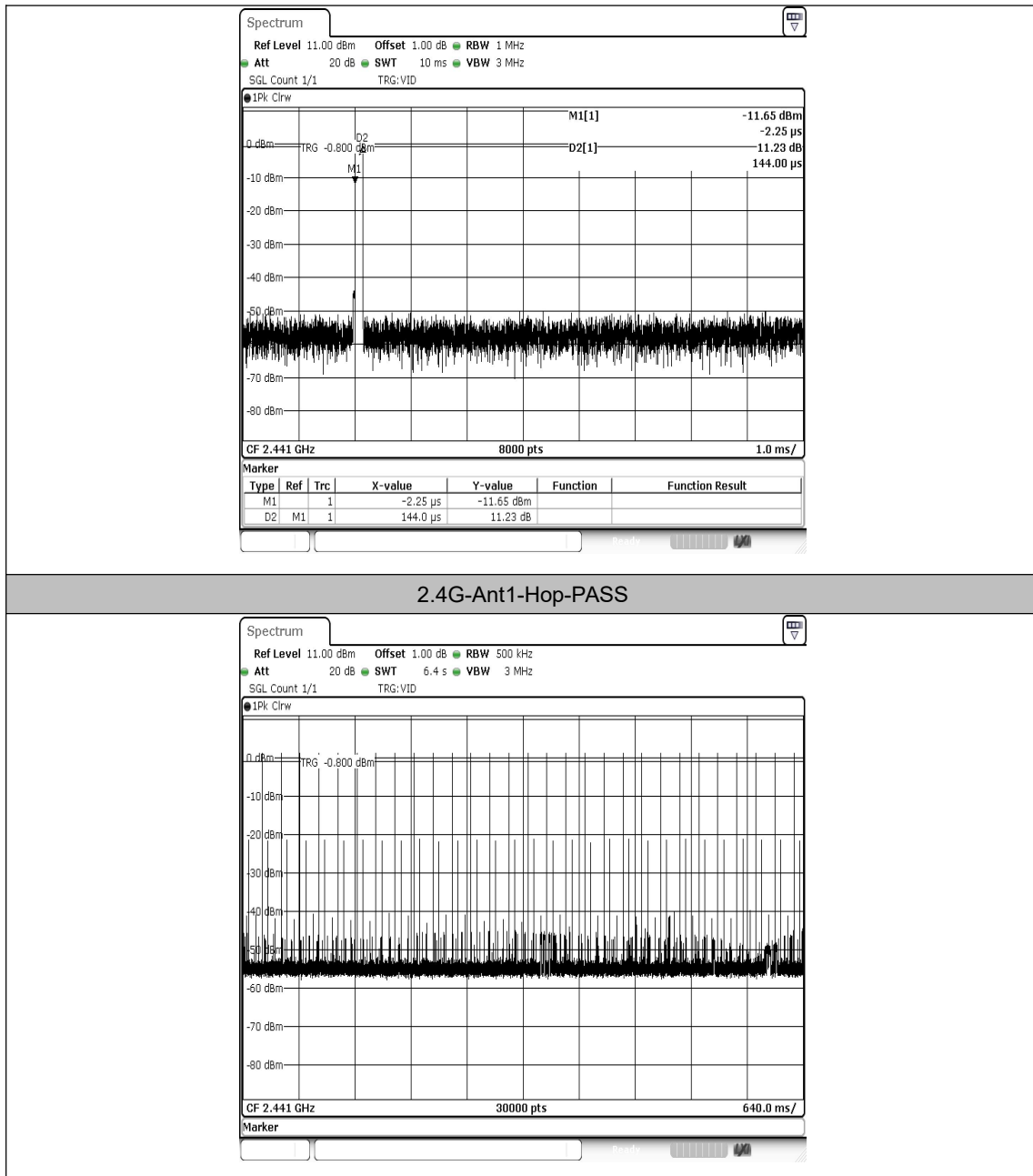
Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	0.144	30	0.004	≤0.4	PASS



Test Graphs



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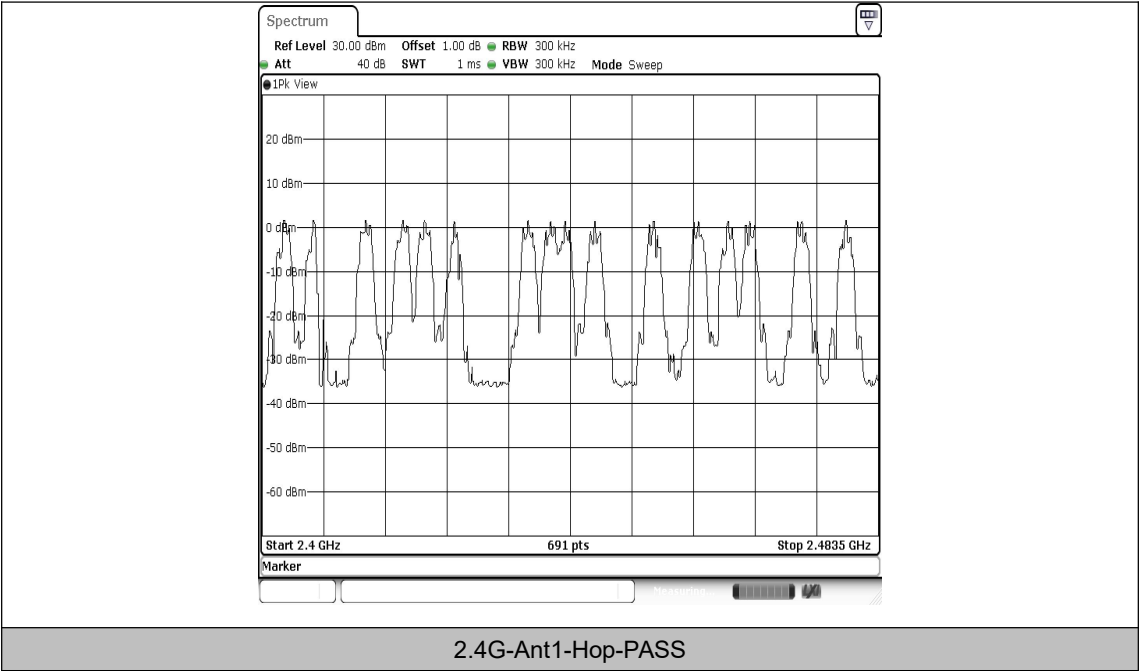
Appendix F: Number of Hopping Channel

Test Result

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



Test Graphs



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Appendix G: Conducted Band edge

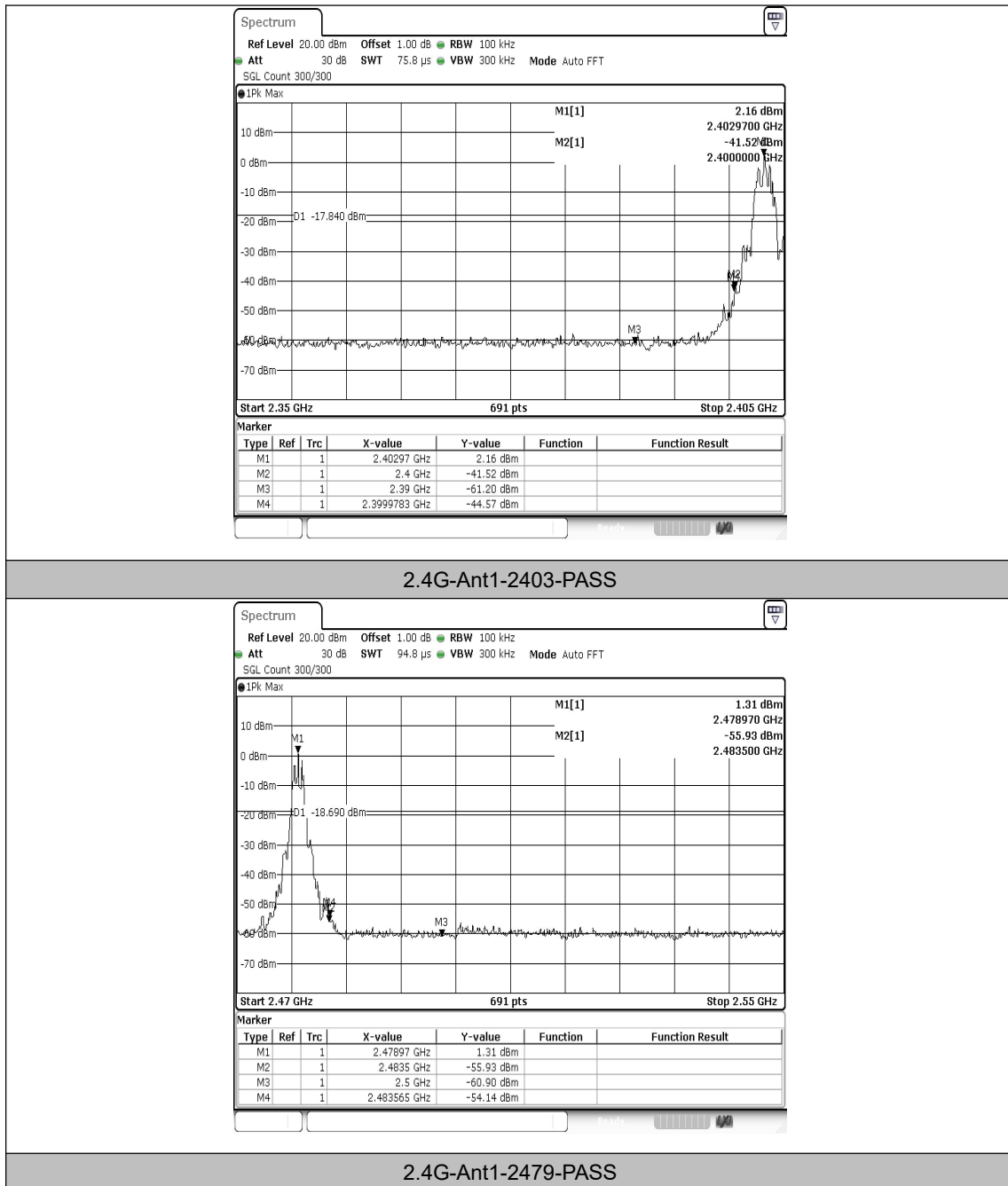
Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	2.16	-44.57	≤-17.84	PASS
2.4G	Ant1	High	2479	1.31	-54.14	≤-18.69	PASS
2.4G	Ant1	Low	Hop_2403	1.57	-41.78	≤-18.43	PASS
2.4G	Ant1	High	Hop_2479	1.35	-44.87	≤-18.65	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.



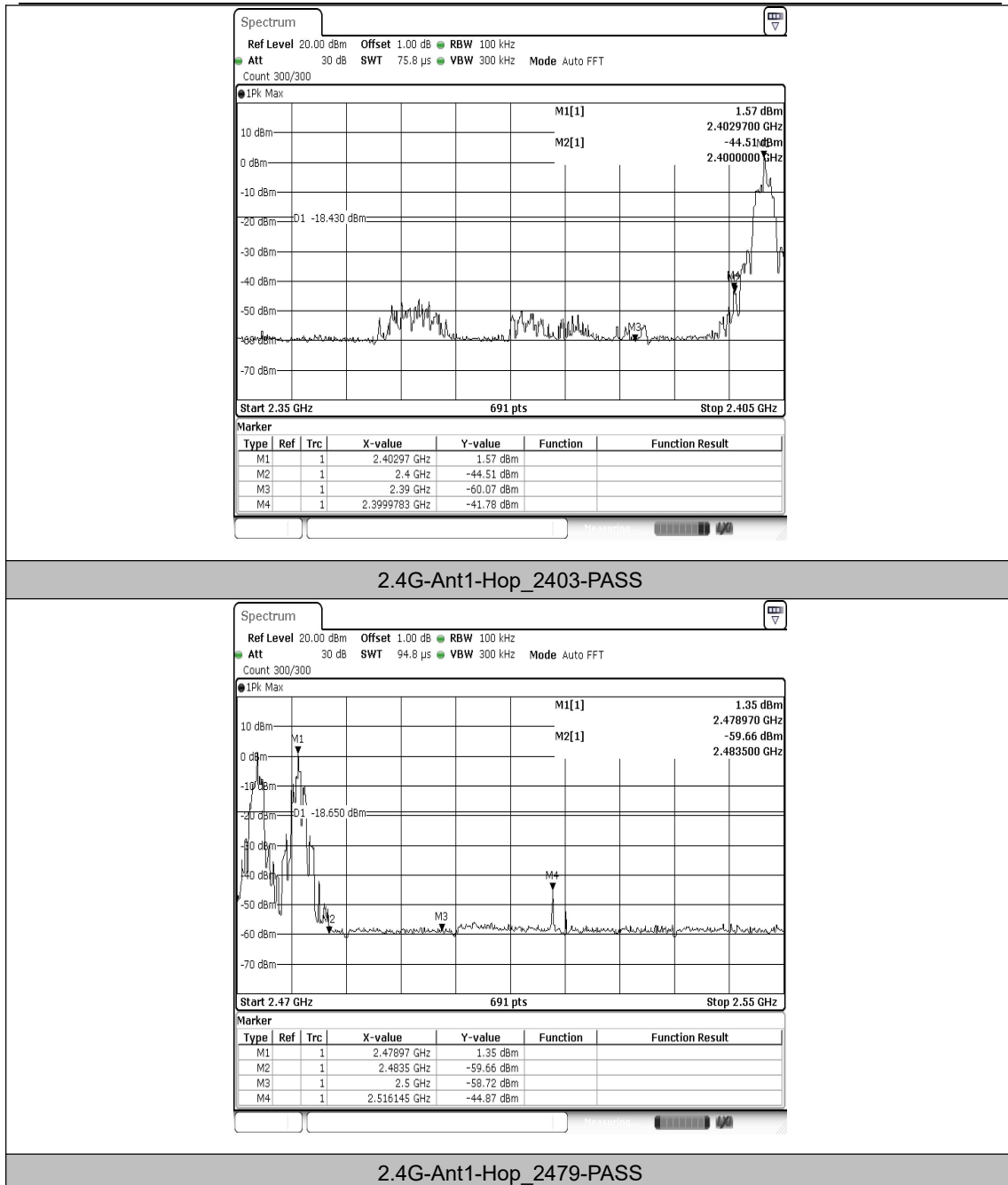
Test Graphs



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Appendix H: Conducted Spurious Emission

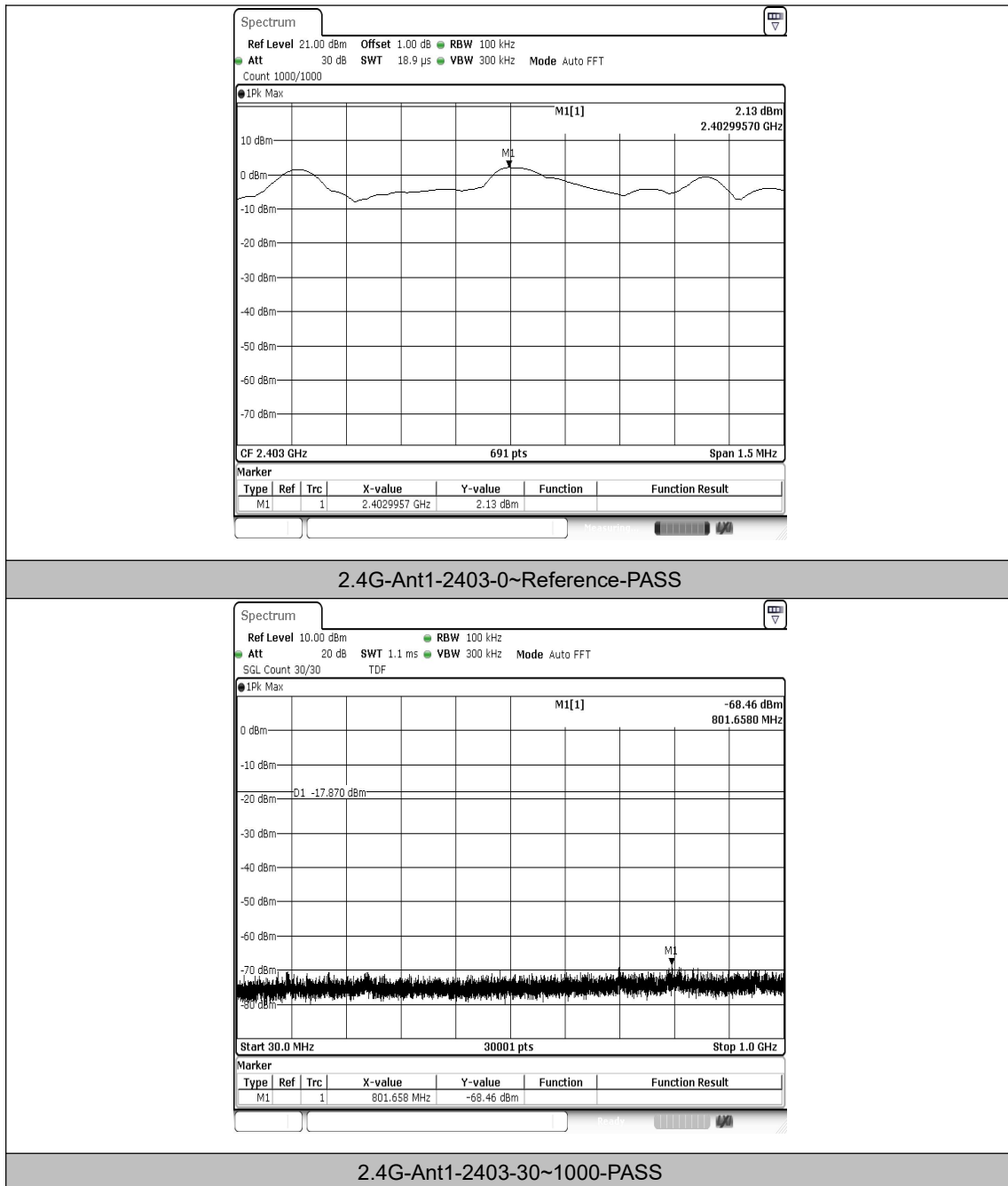
Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	0~Reference	2.13	2.13	---	PASS
2.4G	Ant1	2403	30~1000	2.13	-68.46	≤-17.87	PASS
2.4G	Ant1	2403	1000~26500	2.13	-32.13	≤-17.87	PASS
2.4G	Ant1	2441	0~Reference	1.16	1.16	---	PASS
2.4G	Ant1	2441	30~1000	1.16	-69.17	≤-18.84	PASS
2.4G	Ant1	2441	1000~26500	1.16	-30.61	≤-18.84	PASS
2.4G	Ant1	2479	0~Reference	1.31	1.31	---	PASS
2.4G	Ant1	2479	30~1000	1.31	-68.03	≤-18.69	PASS
2.4G	Ant1	2479	1000~26500	1.31	-33.55	≤-18.69	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.



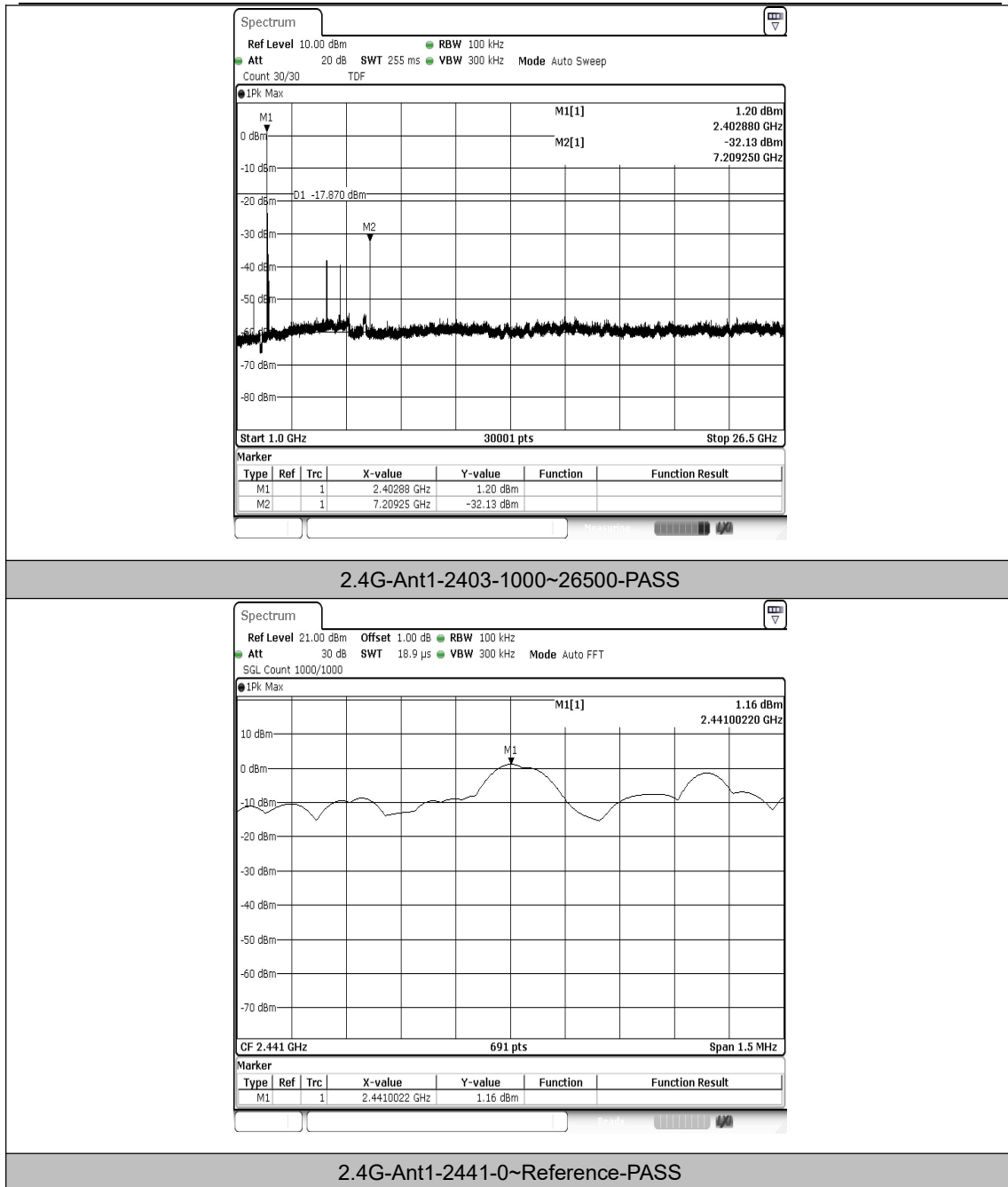
Test Graphs



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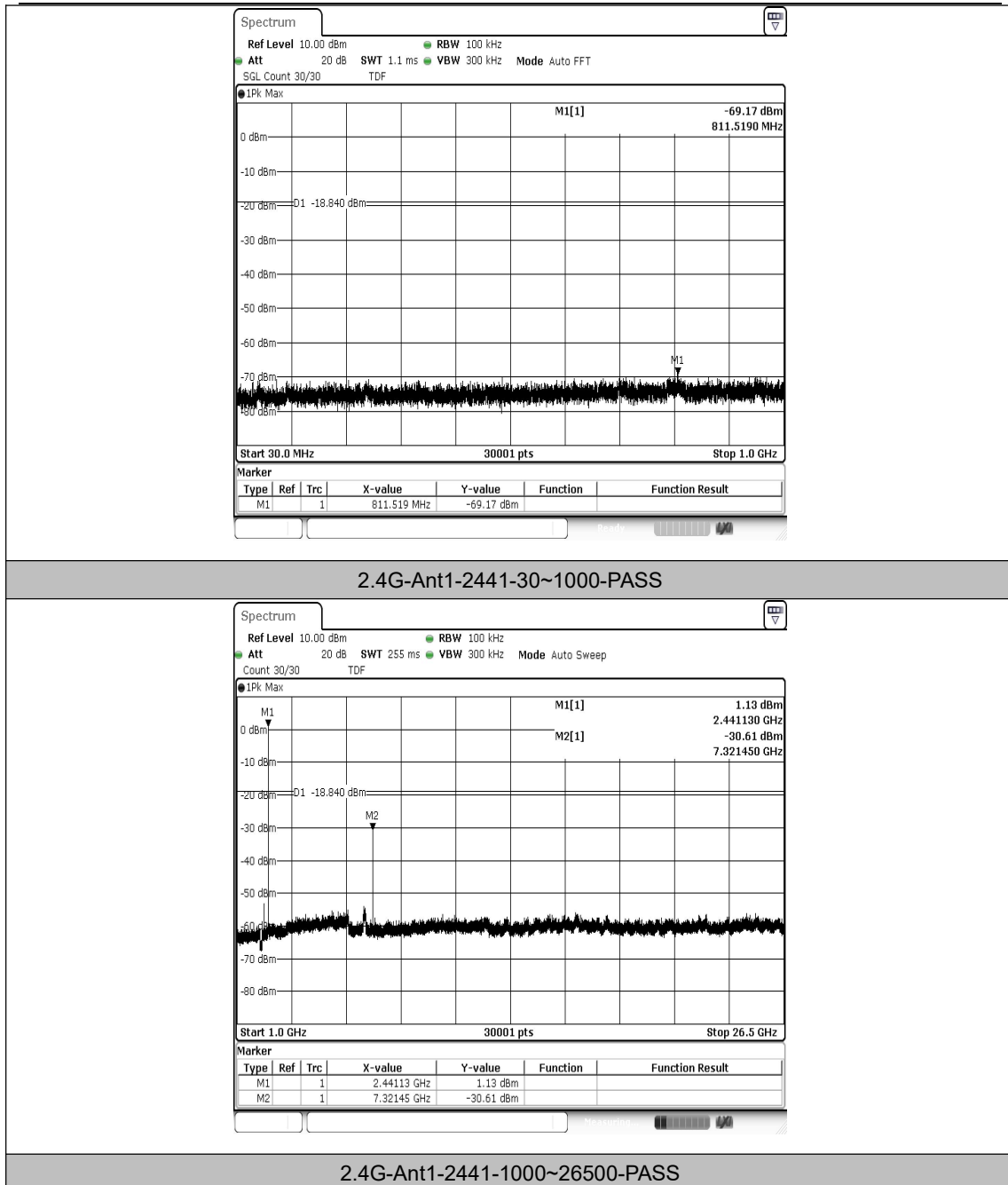


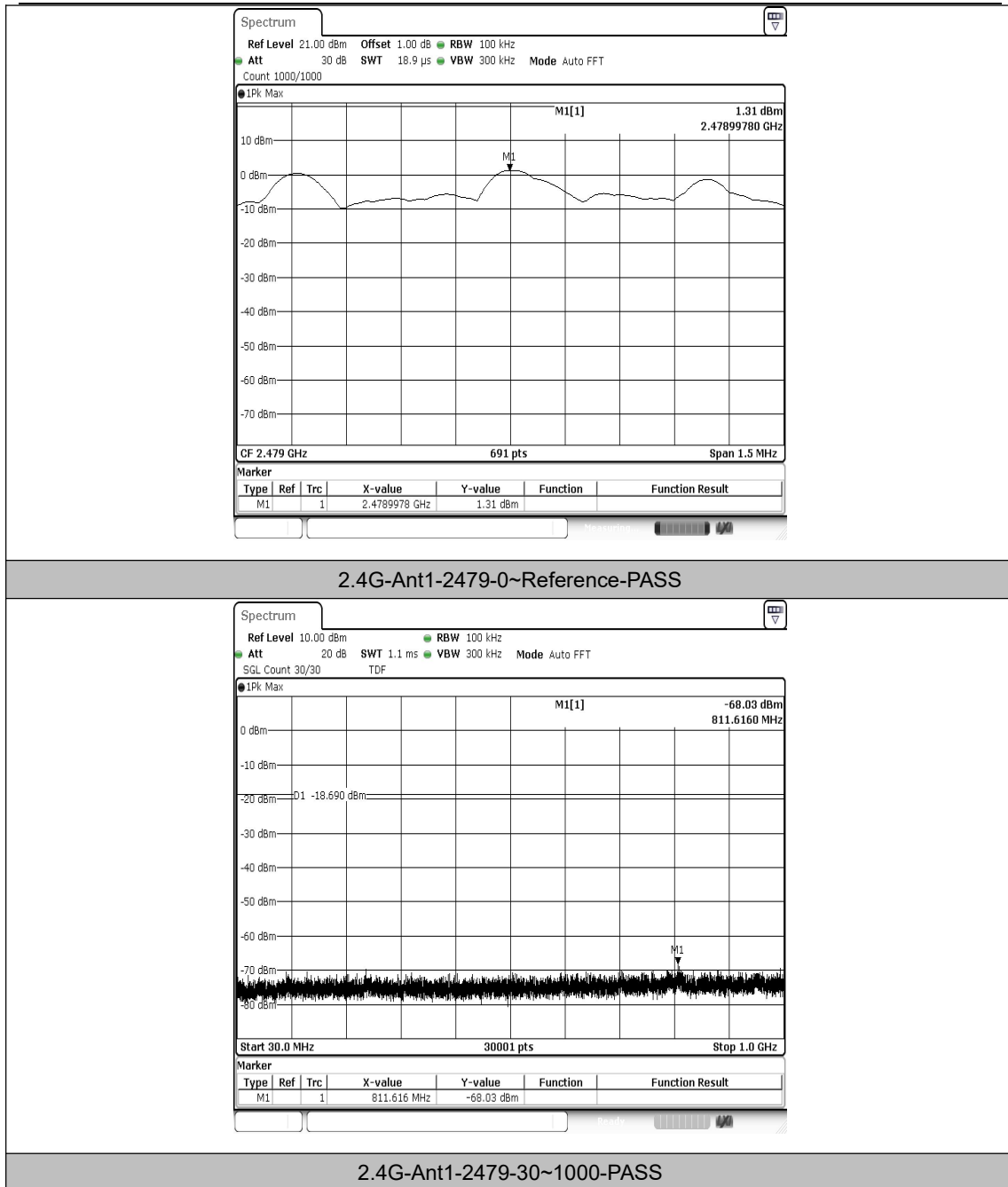
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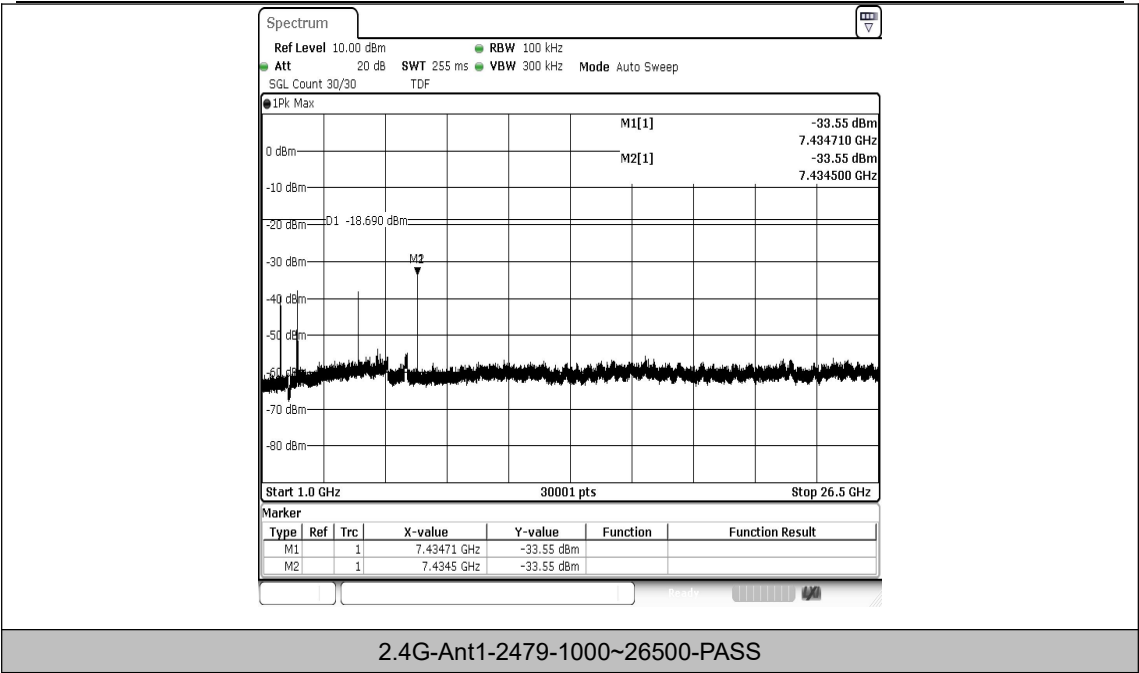




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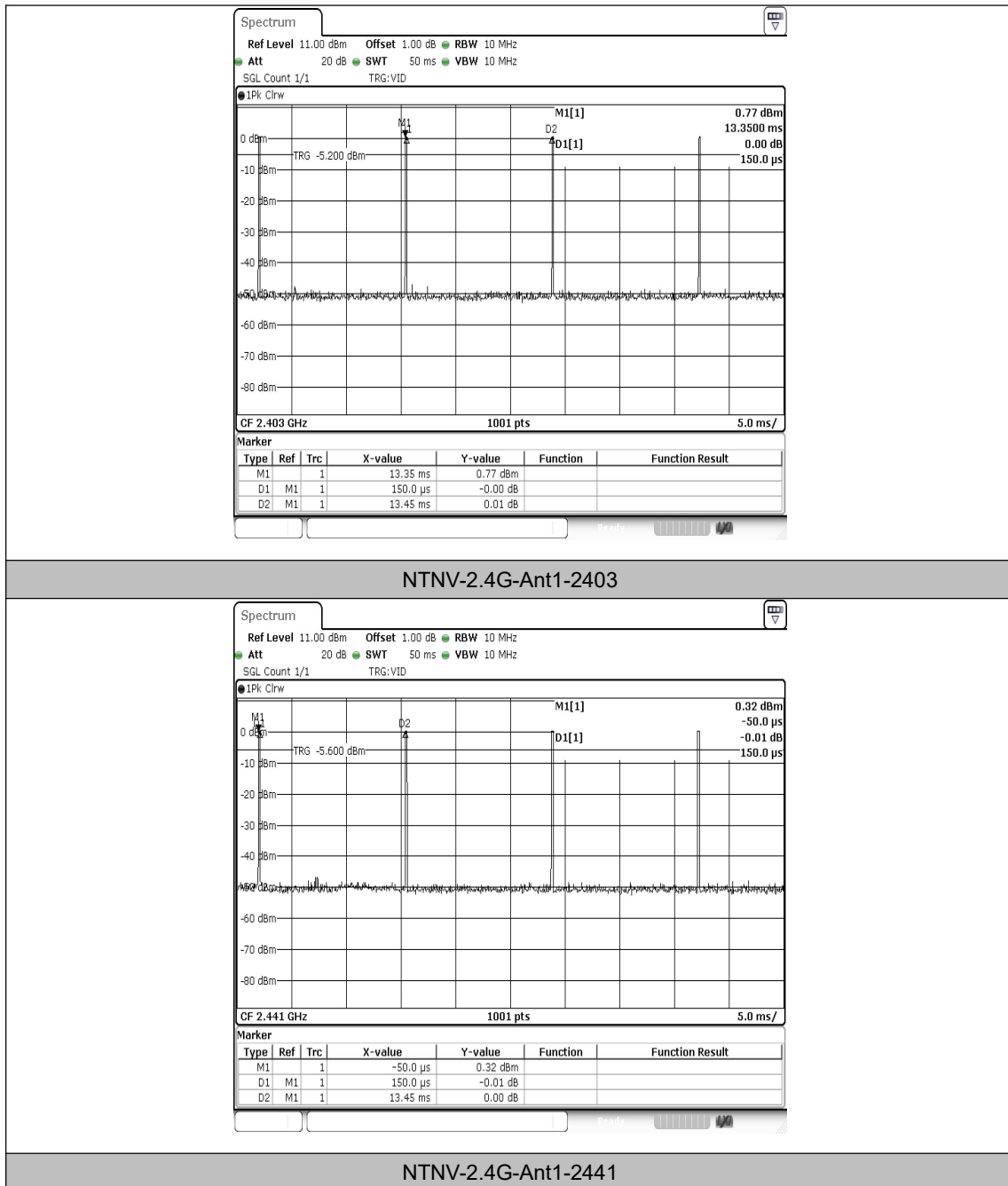
Appendix I: Duty Cycle

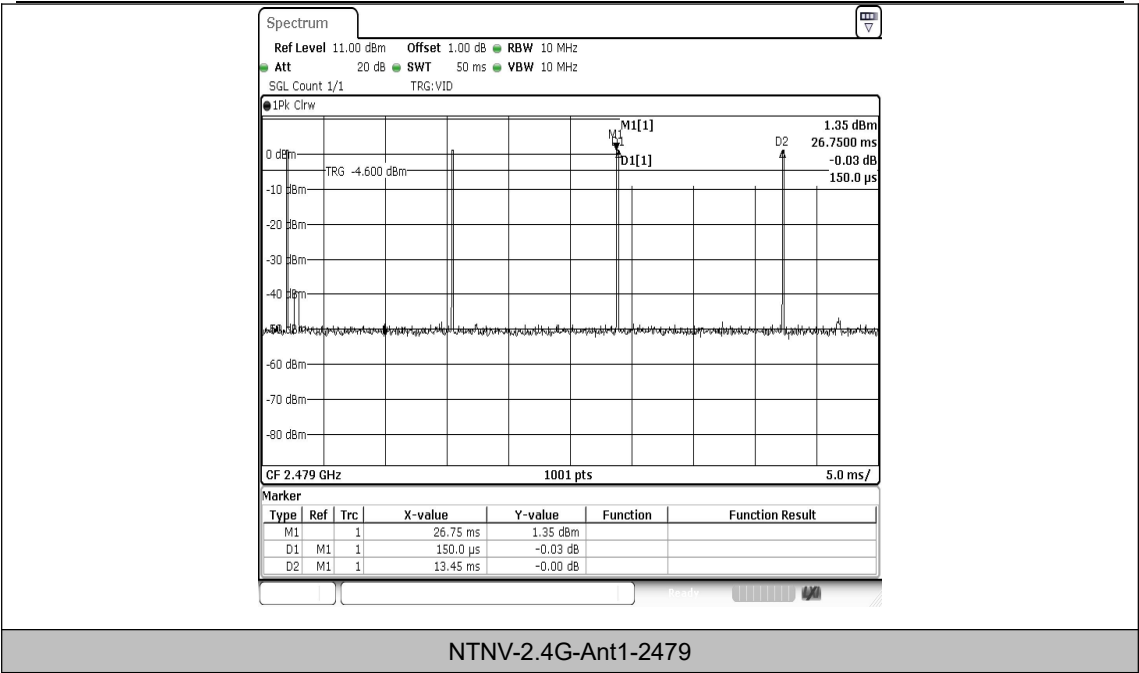
Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2403	0.15	13.45	1.12	19.51
2.4G	Ant1	2441	0.15	13.45	1.12	19.51
2.4G	Ant1	2479	0.15	13.45	1.12	19.51



Test Graphs





---End---