

Appendix Test Data

Report No.:	1812C50339512501	Test Sample No.:	1-2-2
Start Test Date:	2025-7-10	Finish Test Date:	2025-7-24
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.0°C	Relative Humidity:	44%
Pressure:	101kPa		

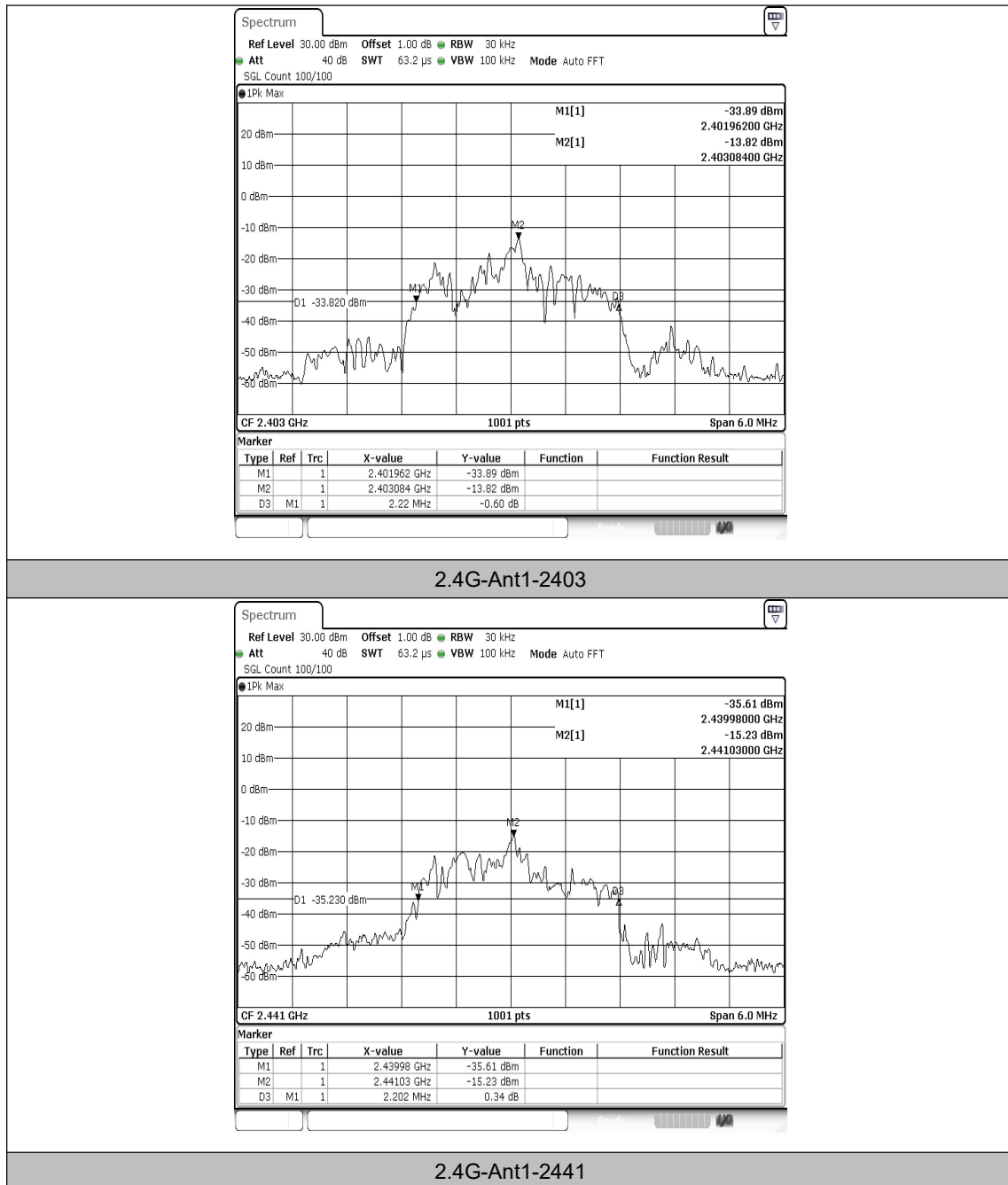
Appendix A: 20dB Bandwidth

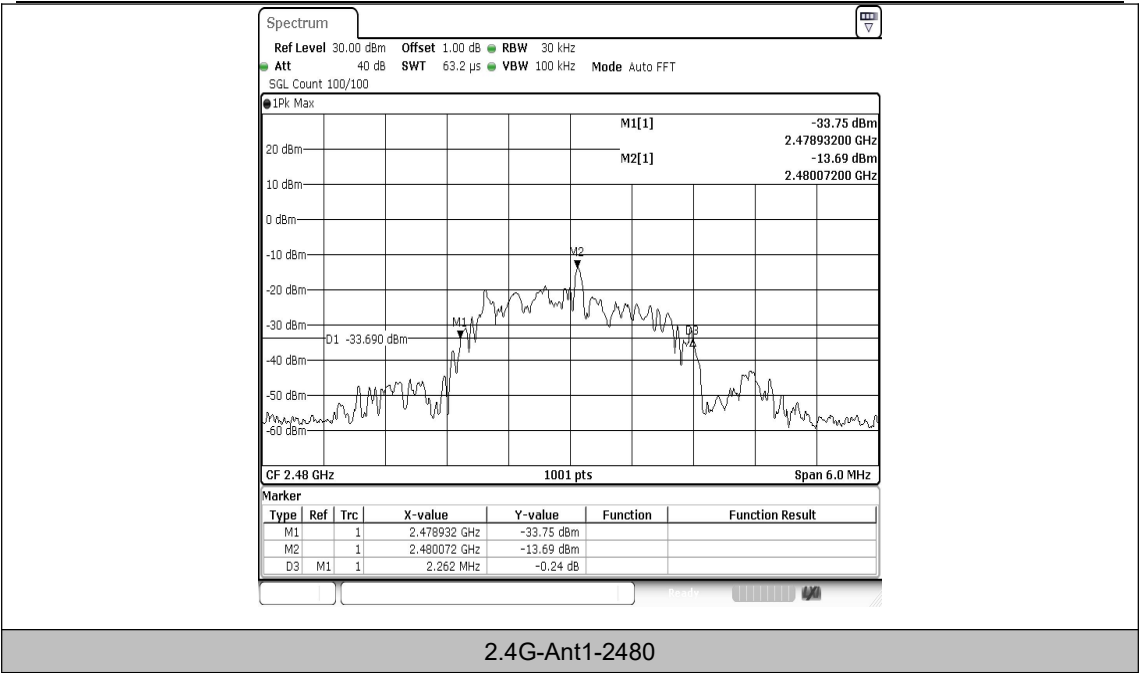
Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.22	2401.96	2404.18	---	---
2.4G	Ant1	2441	2.20	2439.98	2442.18	---	---
2.4G	Ant1	2480	2.26	2478.93	2481.19	---	---



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	1.9840	2401.8731	2403.8571	---	---
2.4G	Ant1	2441	2.5654	2439.5614	2442.1269	---	---
2.4G	Ant1	2480	2.1518	2479.0230	2481.1748	---	---

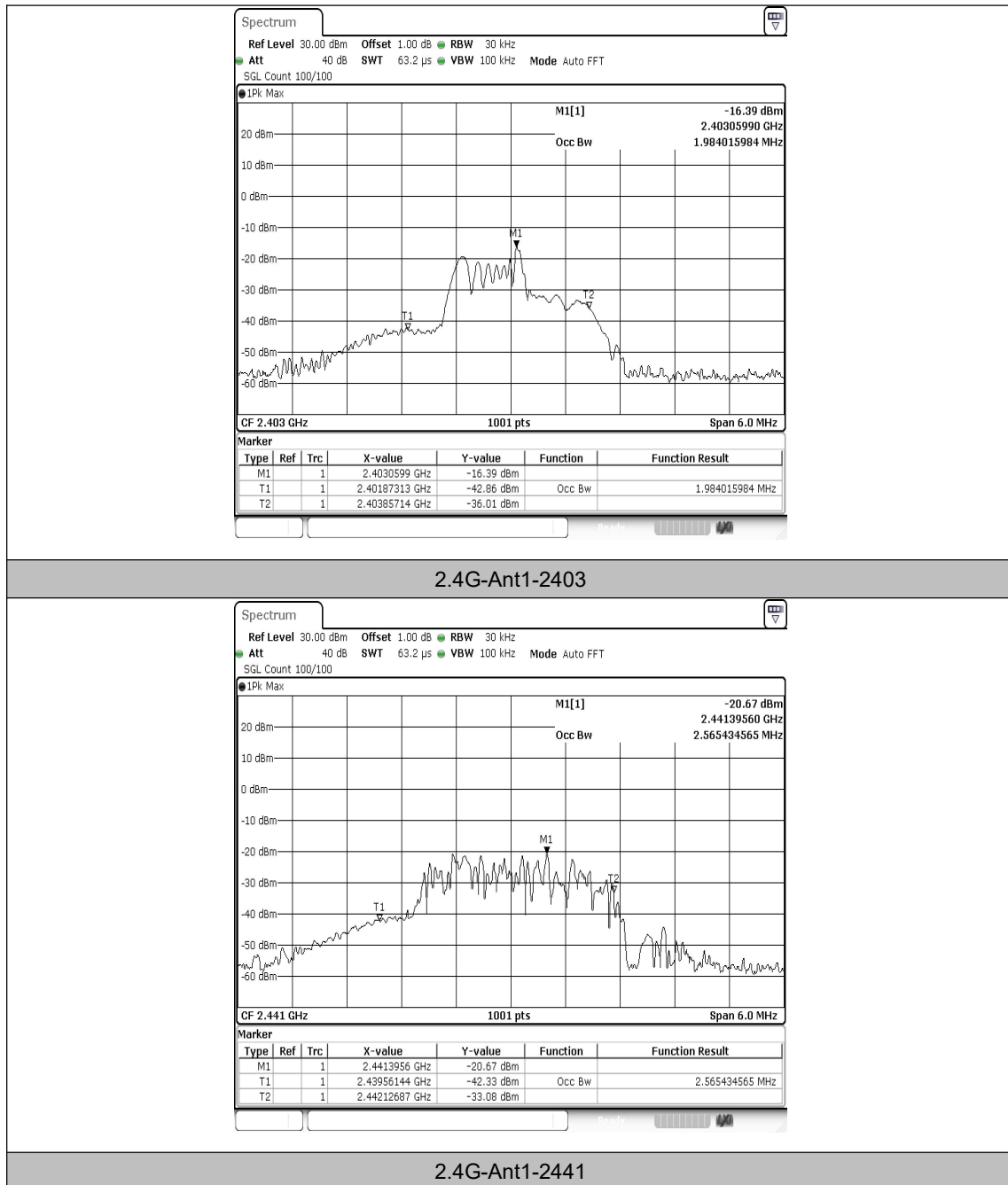
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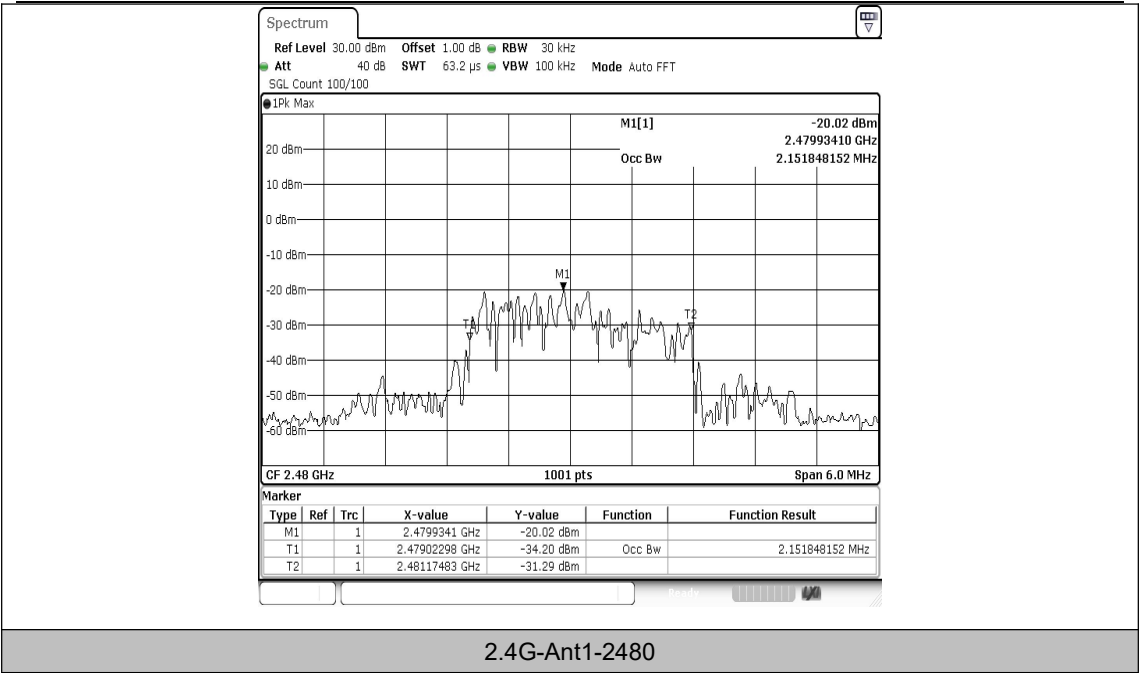
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Test Graphs





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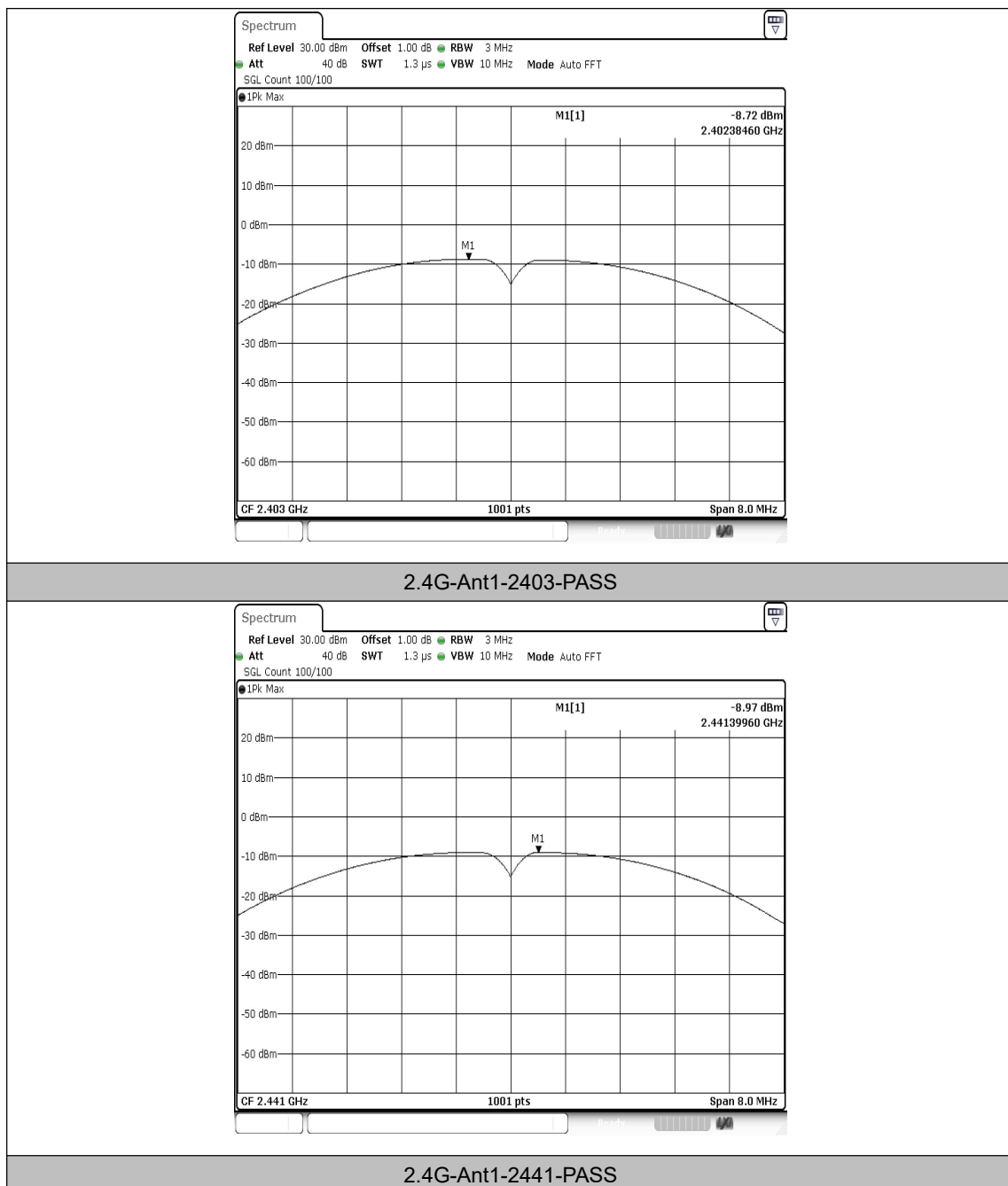
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Appendix C: Maximum Conducted Output Power

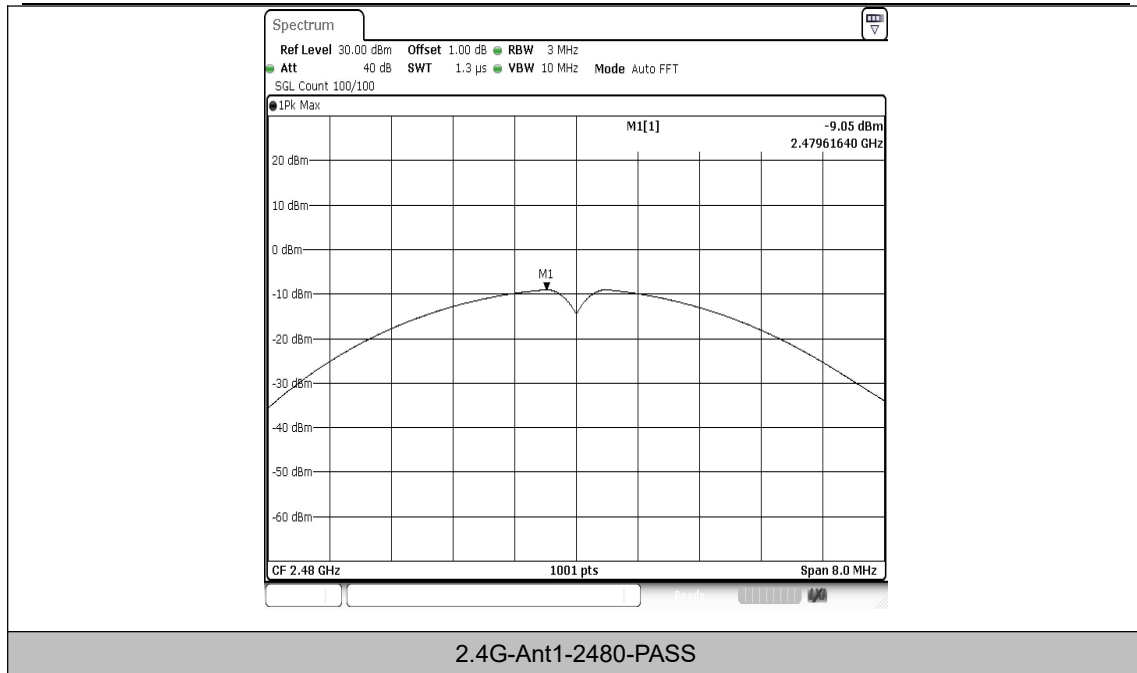
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	-8.72	≤20.97	PASS
2.4G	Ant1	2441	-8.97	≤20.97	PASS
2.4G	Ant1	2480	-9.05	≤20.97	PASS

Test Graphs



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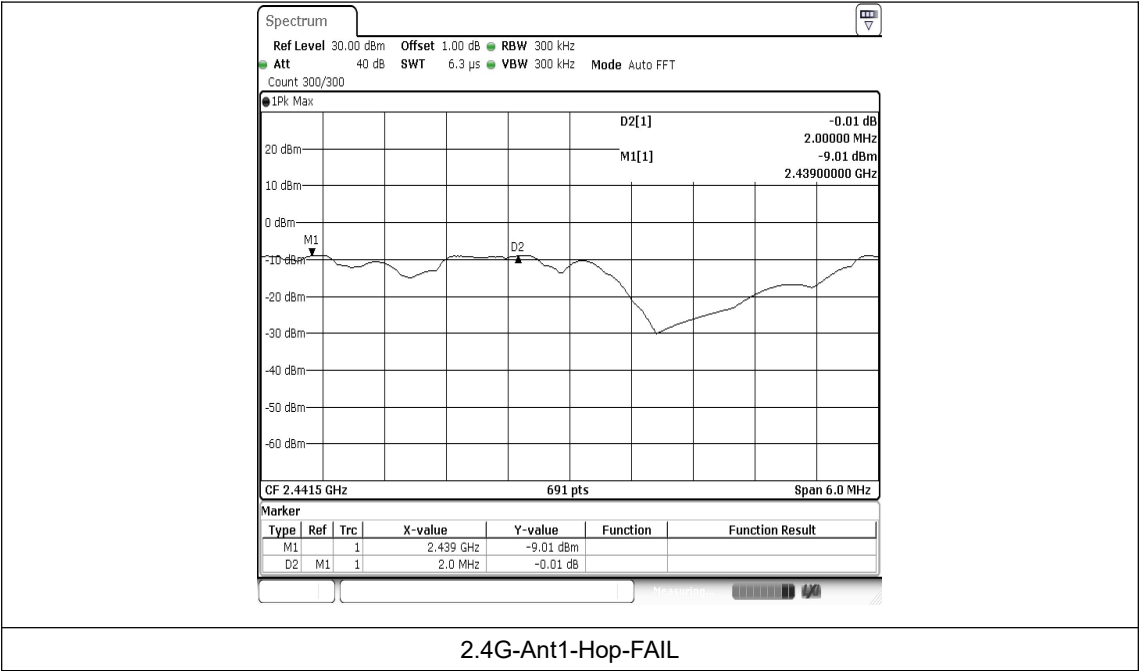
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.000	≥1.507	PASS

Test Graphs

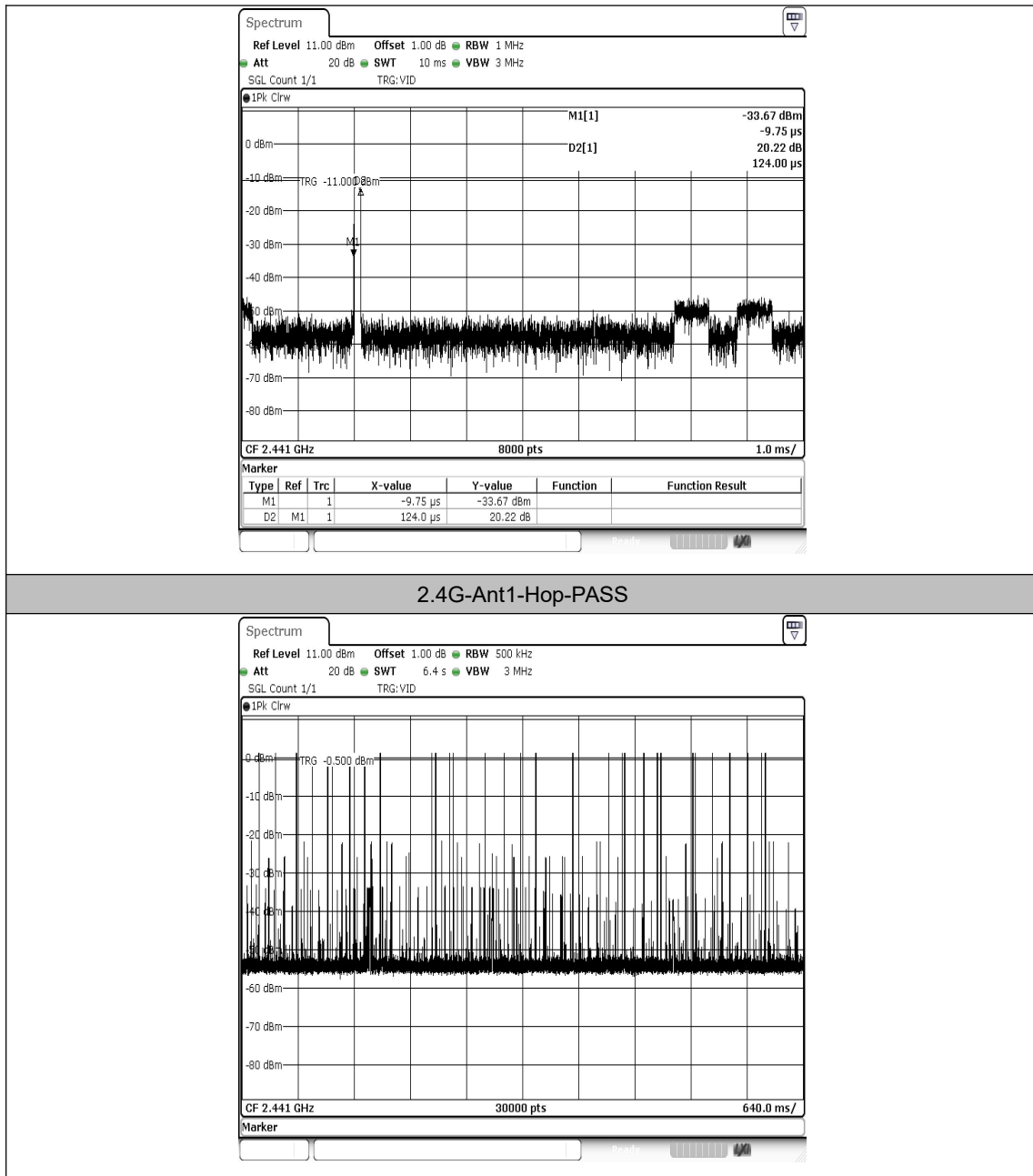


Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	0.124	32	0.004	≤0.4	PASS

Test Graphs



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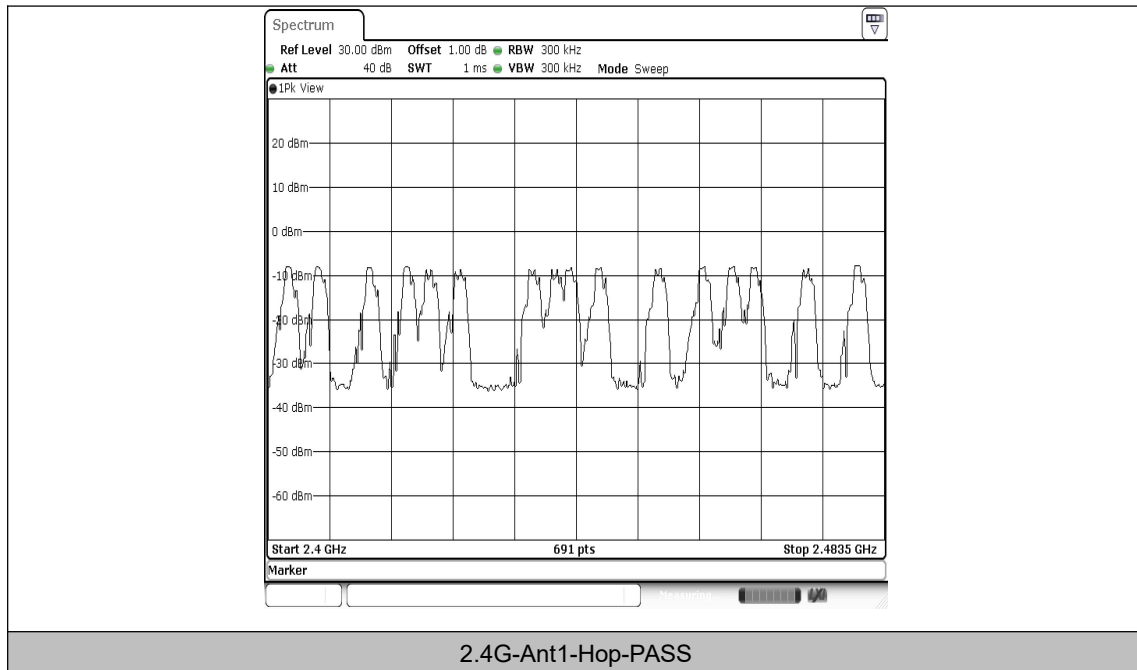
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Appendix F: Number of Hopping Channel

Test Result

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

Test Graphs



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Appendix G: Conducted Band edge

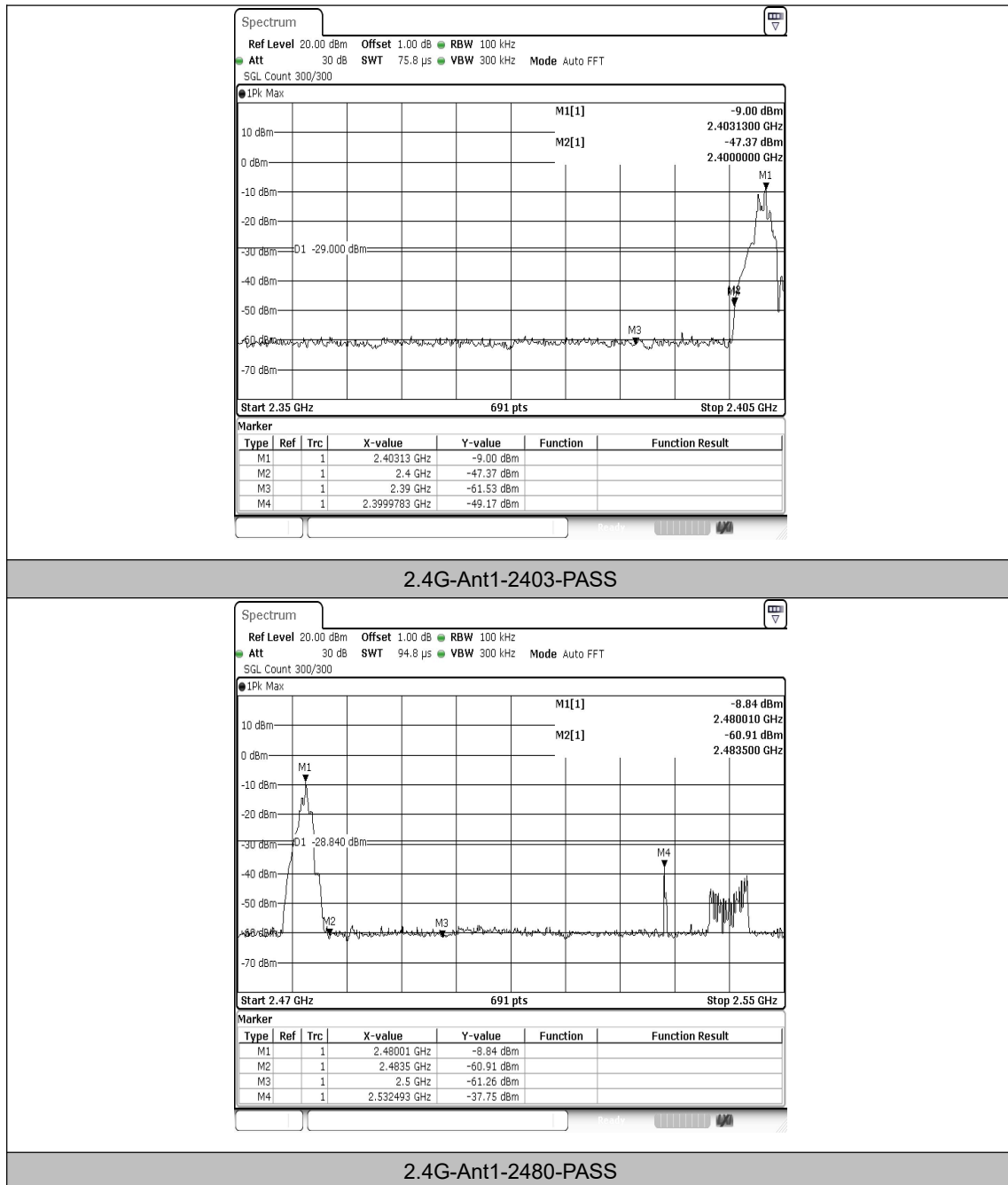
Test Result

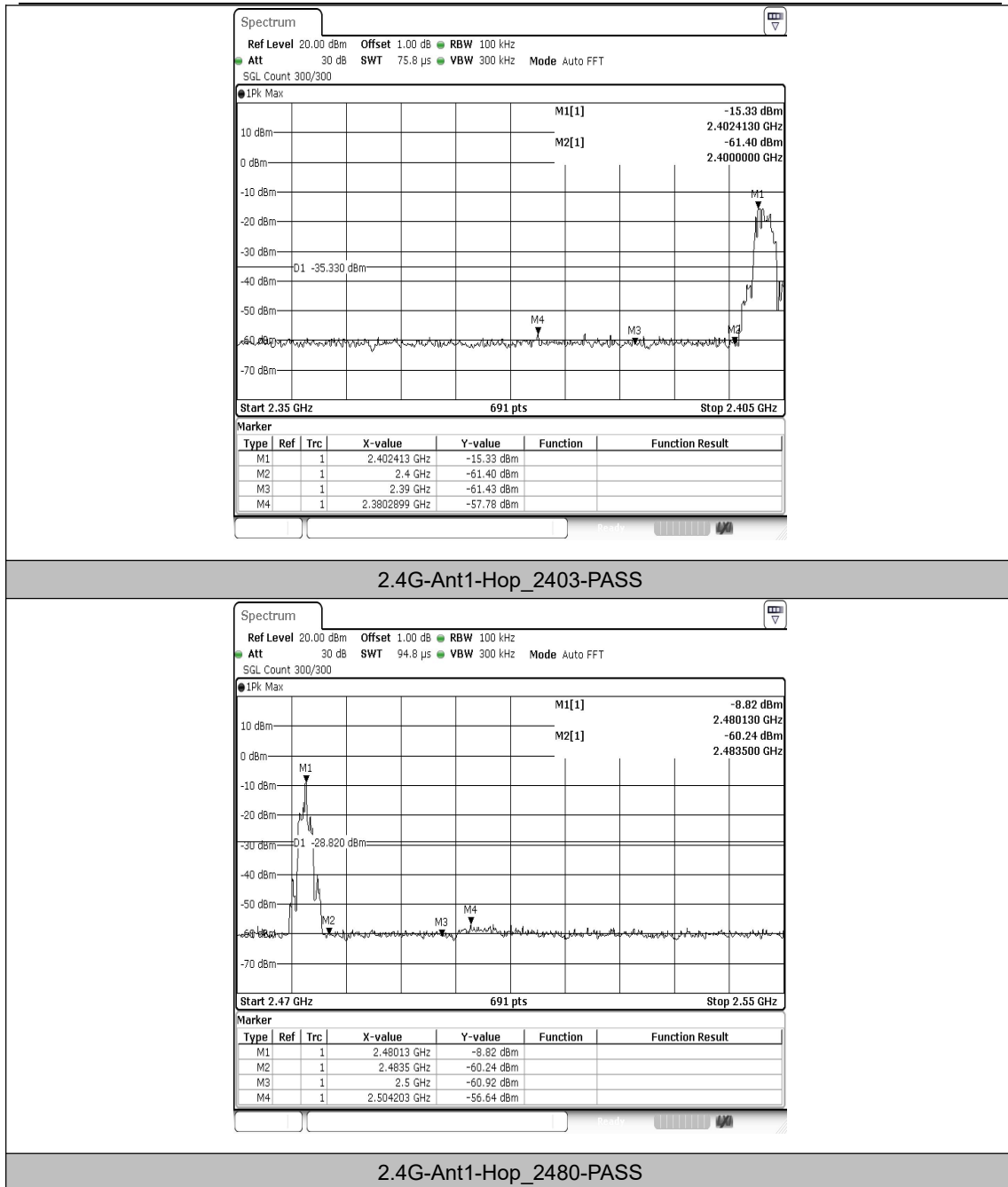
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	-9.00	-49.17	≤-29	PASS
2.4G	Ant1	High	2480	-8.84	-37.75	≤-28.84	PASS
2.4G	Ant1	Low	Hop_2403	-15.33	-57.78	≤-35.33	PASS
2.4G	Ant1	High	Hop_2480	-8.82	-56.64	≤-28.82	PASS

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





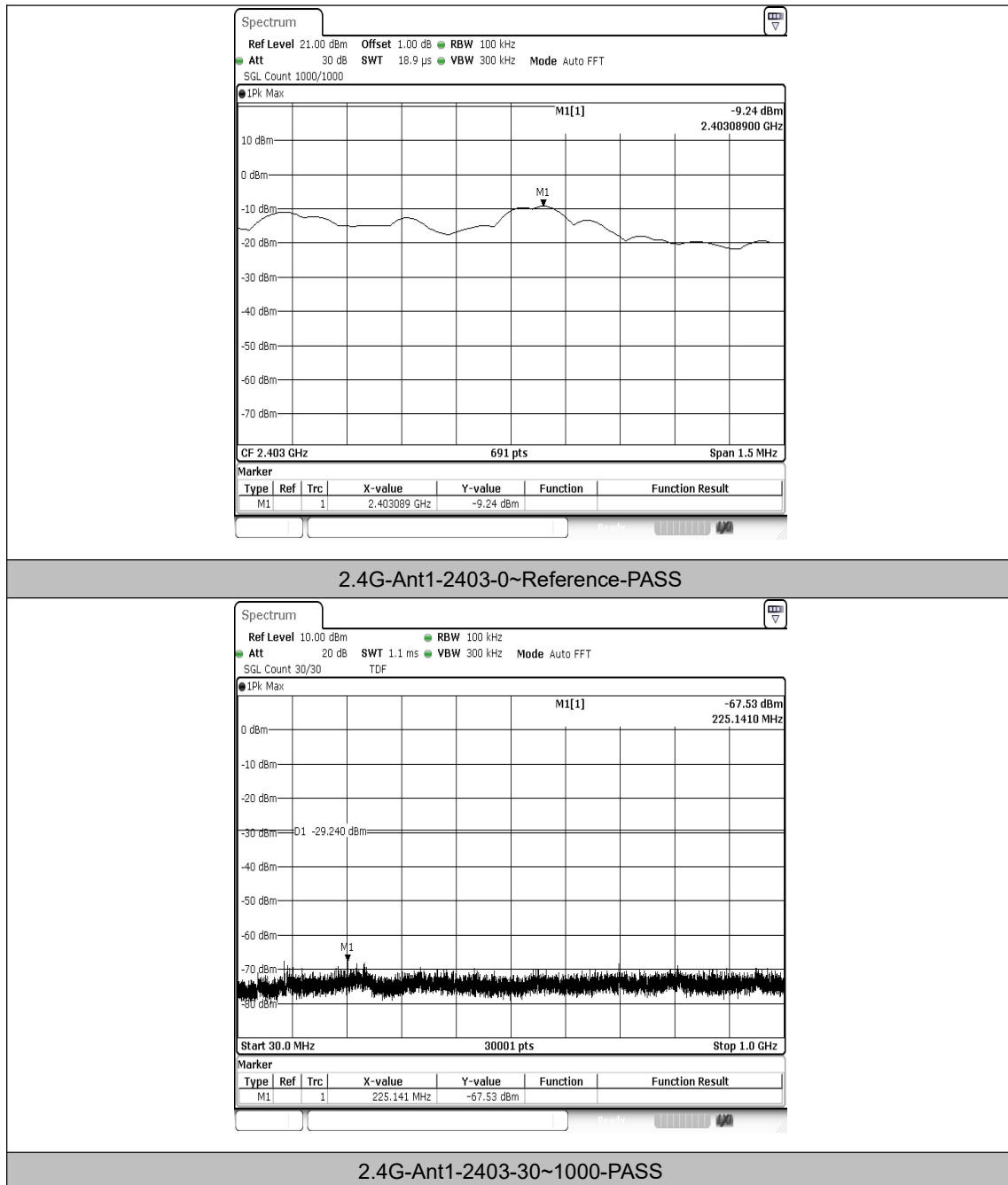
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	0~Reference	-9.24	-9.24	---	PASS
2.4G	Ant1	2403	30~1000	-9.24	-67.53	≤-29.24	PASS
2.4G	Ant1	2403	1000~26500	-9.24	-34.61	≤-29.24	PASS
2.4G	Ant1	2441	0~Reference	-9.53	-9.53	---	PASS
2.4G	Ant1	2441	30~1000	-9.53	-68.2	≤-29.53	PASS
2.4G	Ant1	2441	1000~26500	-9.53	-31.62	≤-29.53	PASS
2.4G	Ant1	2480	0~Reference	-8.74	-8.74	---	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.

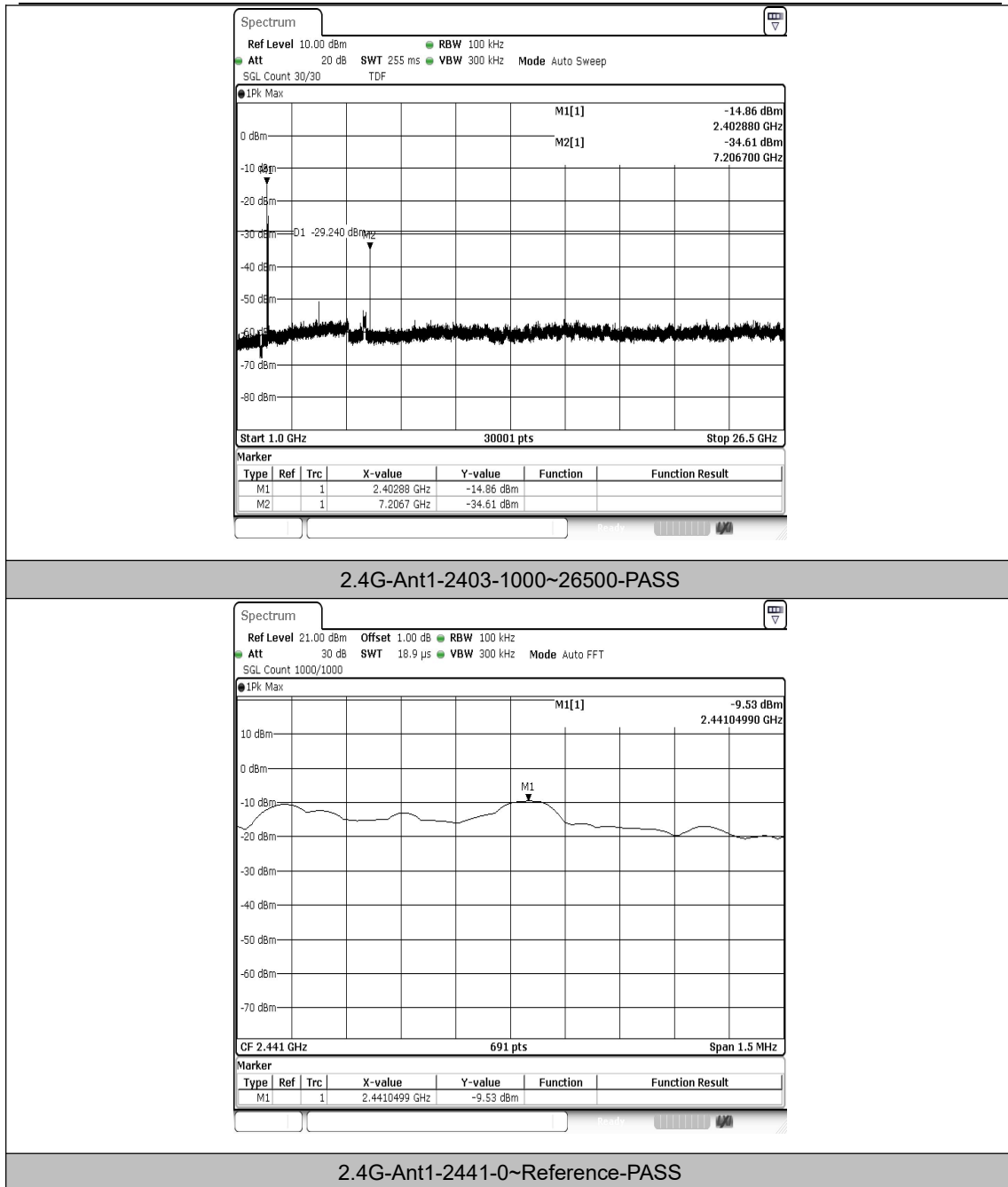
Test Graphs



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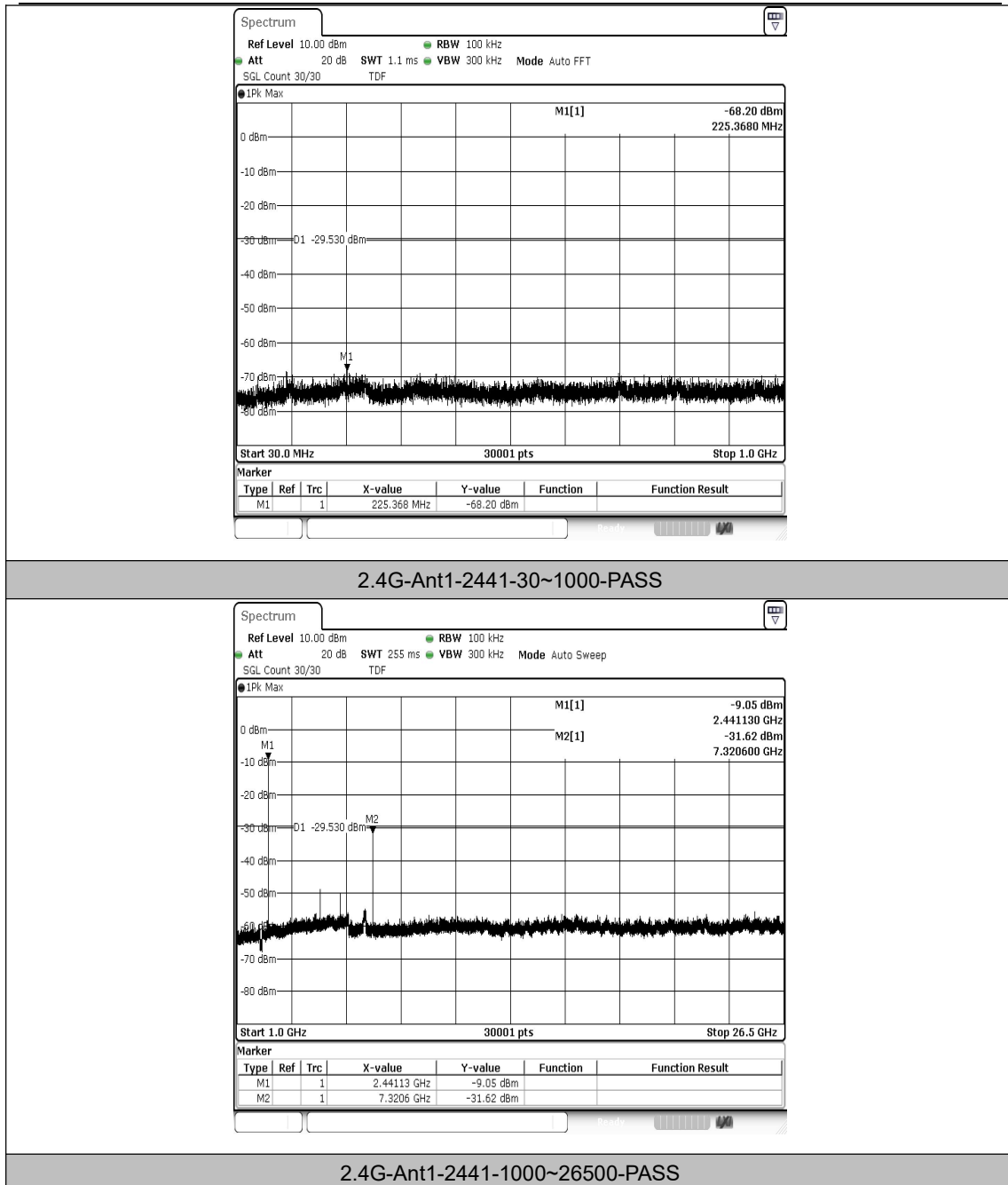
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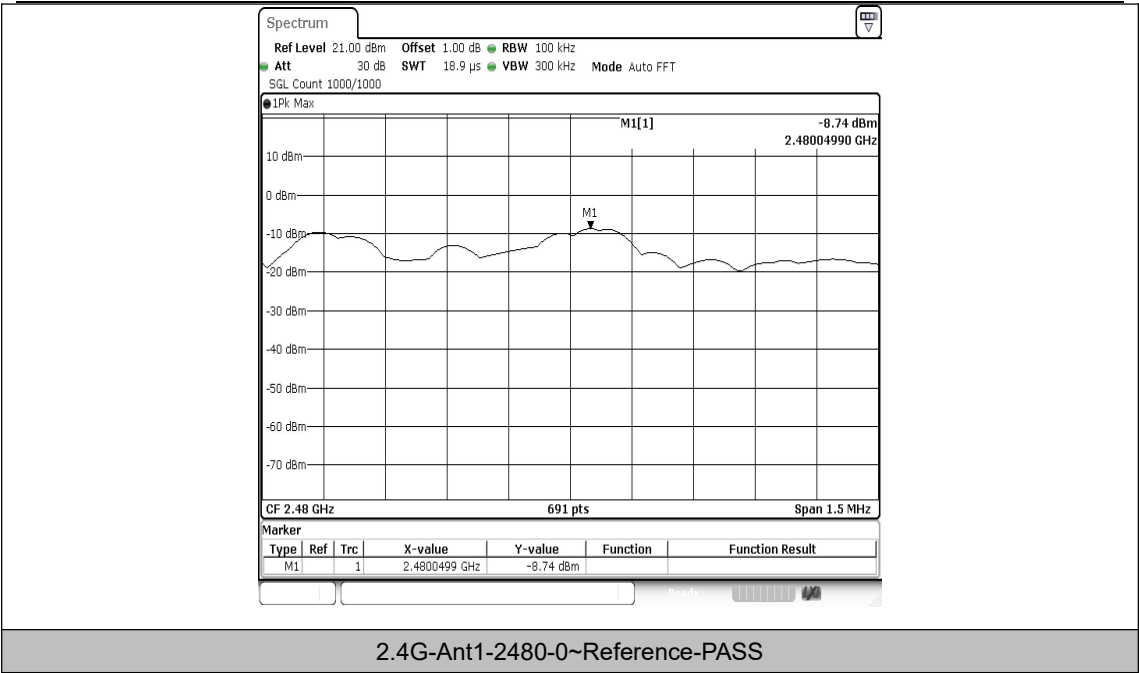
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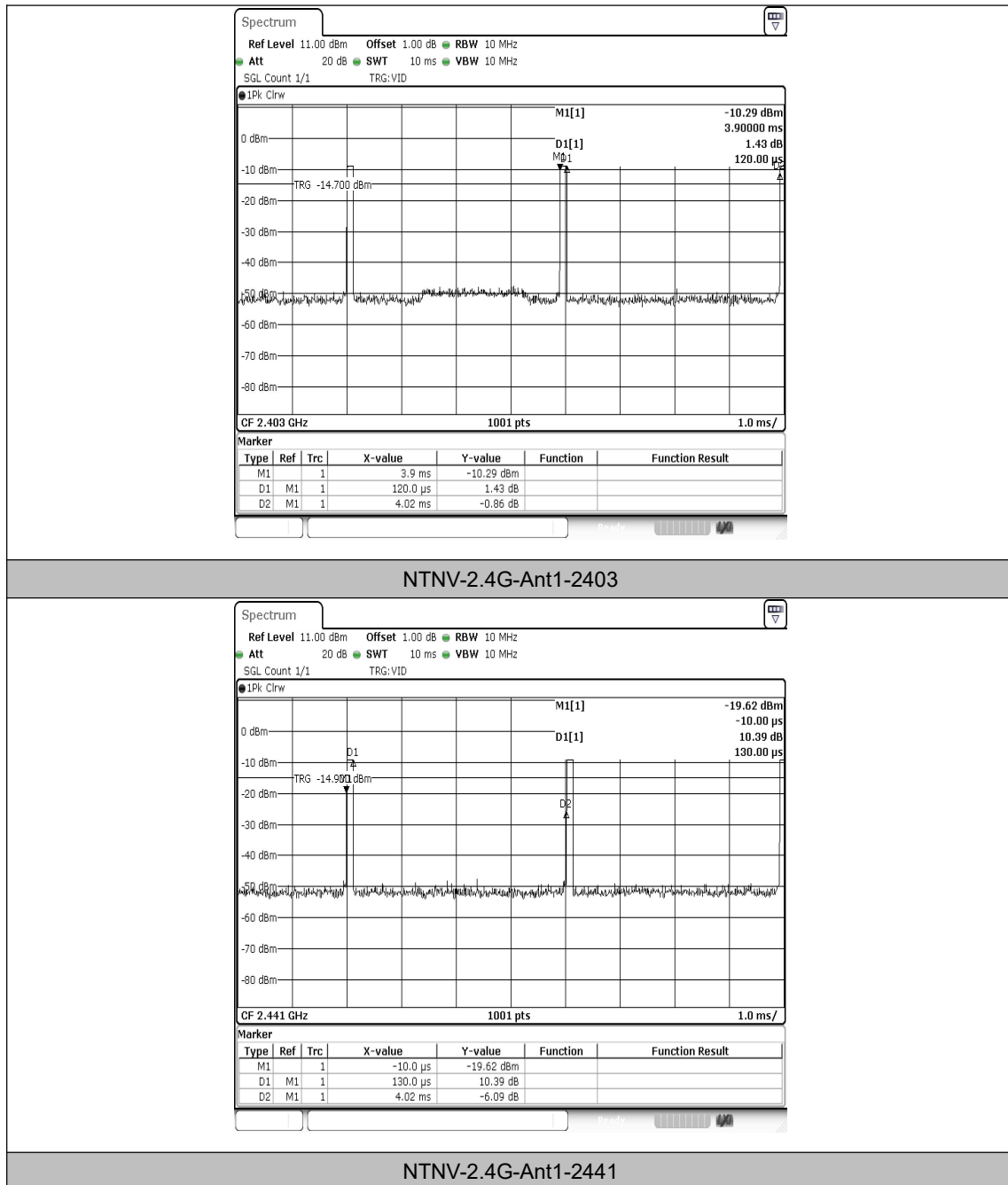
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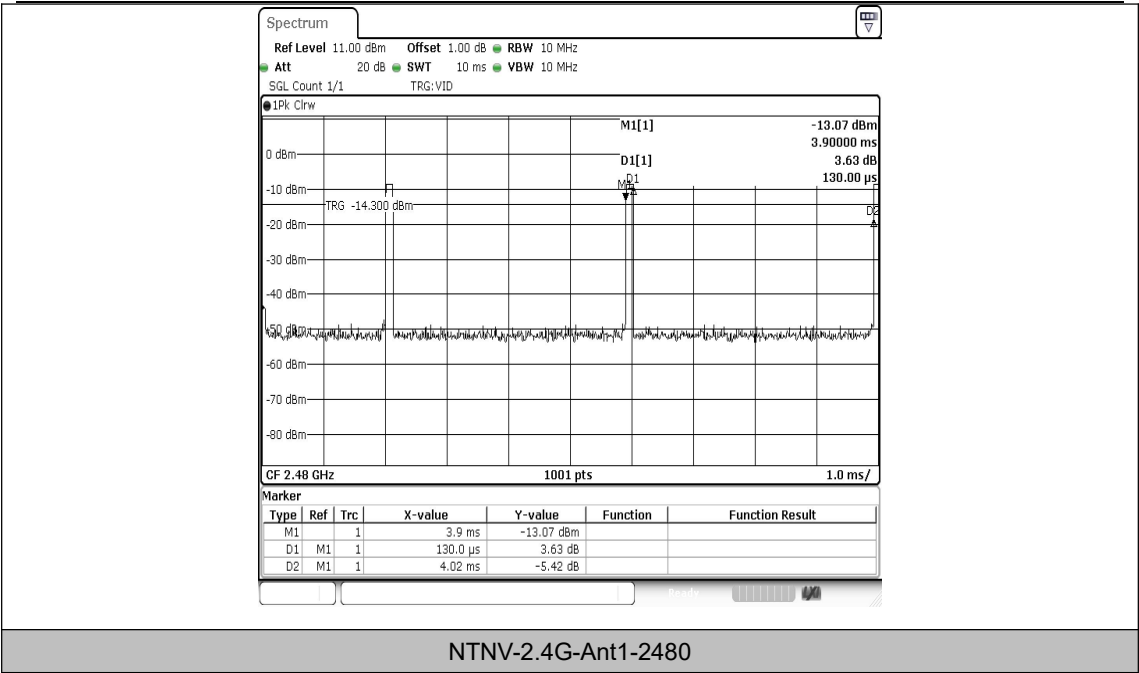
Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2403	0.12	4.02	2.99	15.24
2.4G	Ant1	2441	0.13	4.02	3.23	14.91
2.4G	Ant1	2480	0.13	4.02	3.23	14.91

Test Graphs





---End---