

Appendix Test Data

Report No.:	1812C50329612502	Test Sample No.:	1-2-2
Start Test Date:	2025-7-2	Finish Test Date:	2025-7-11
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26.0°C	Relative Humidity:	51%
Pressure:	101kPa		

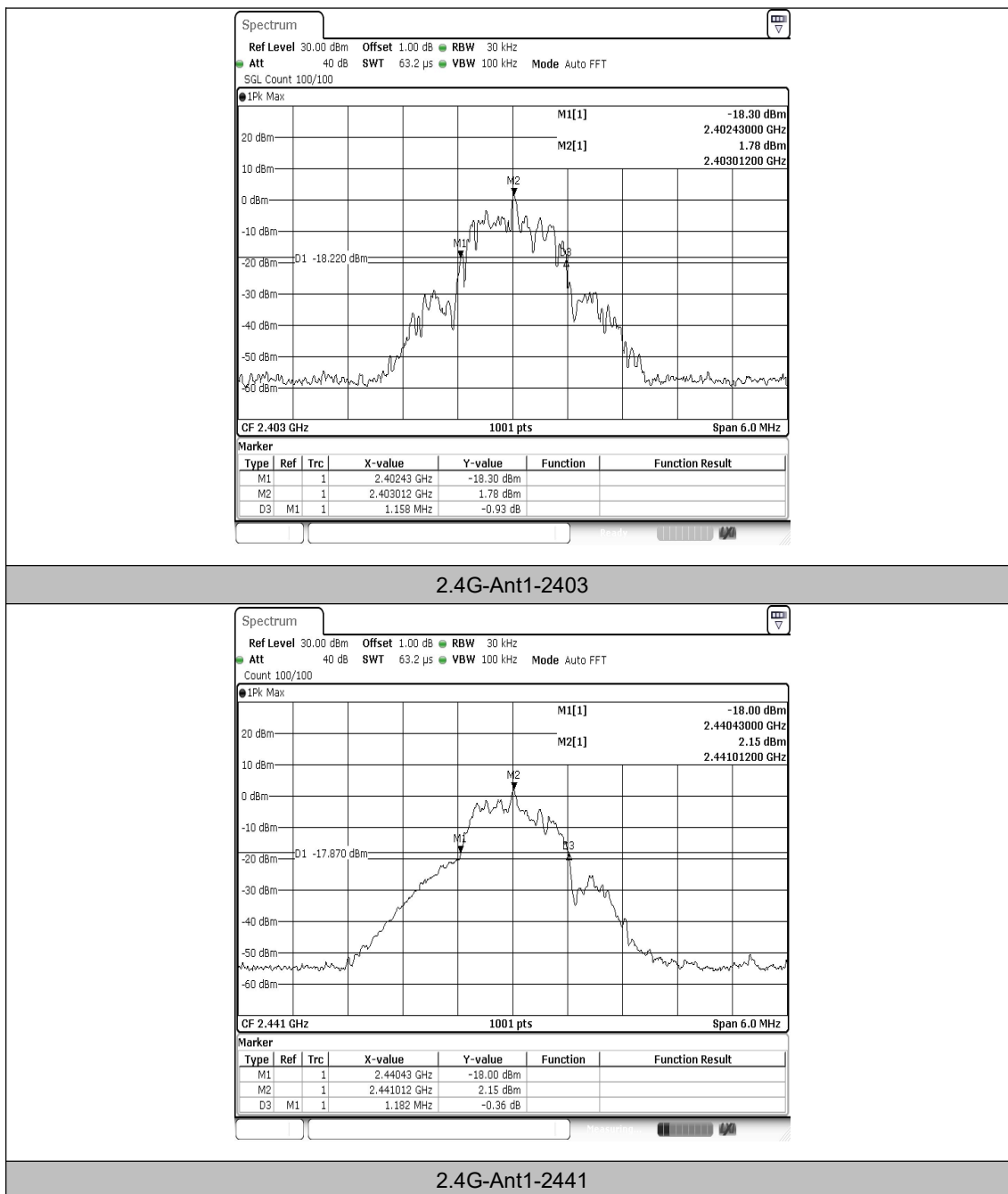
Appendix A: 20dB Bandwidth

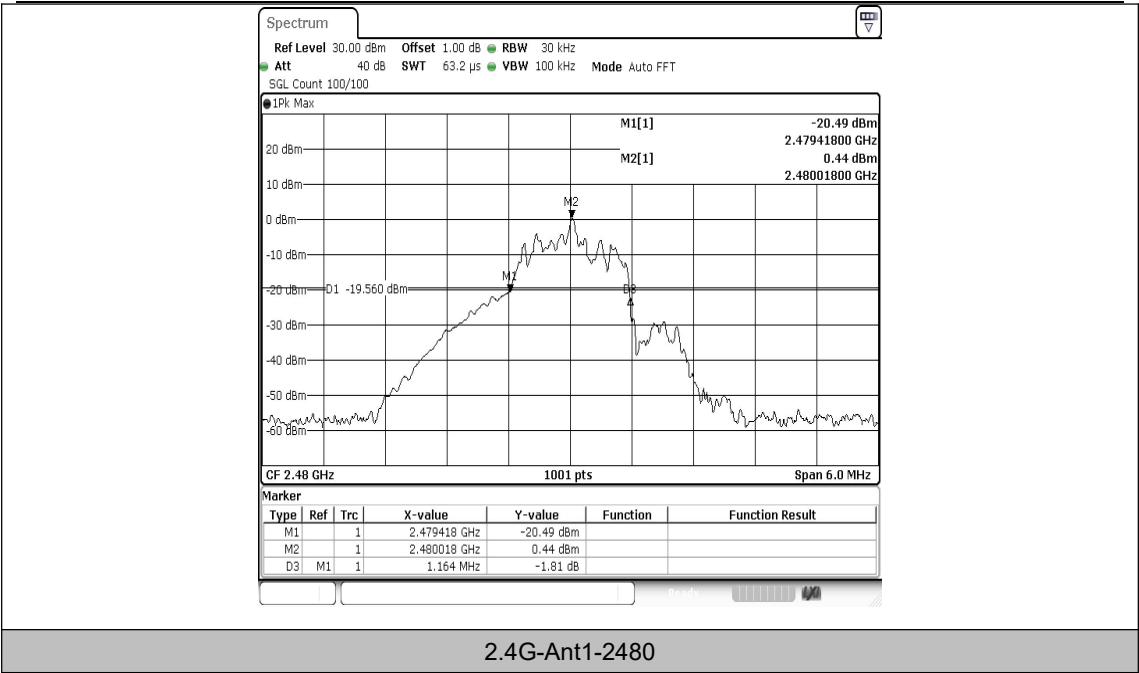
Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	1.16	2402.43	2403.59	---	---
2.4G	Ant1	2441	1.18	2440.43	2441.61	---	---
2.4G	Ant1	2480	1.16	2479.42	2480.58	---	---



Test Graphs





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Appendix B: 99% Occupied Bandwidth

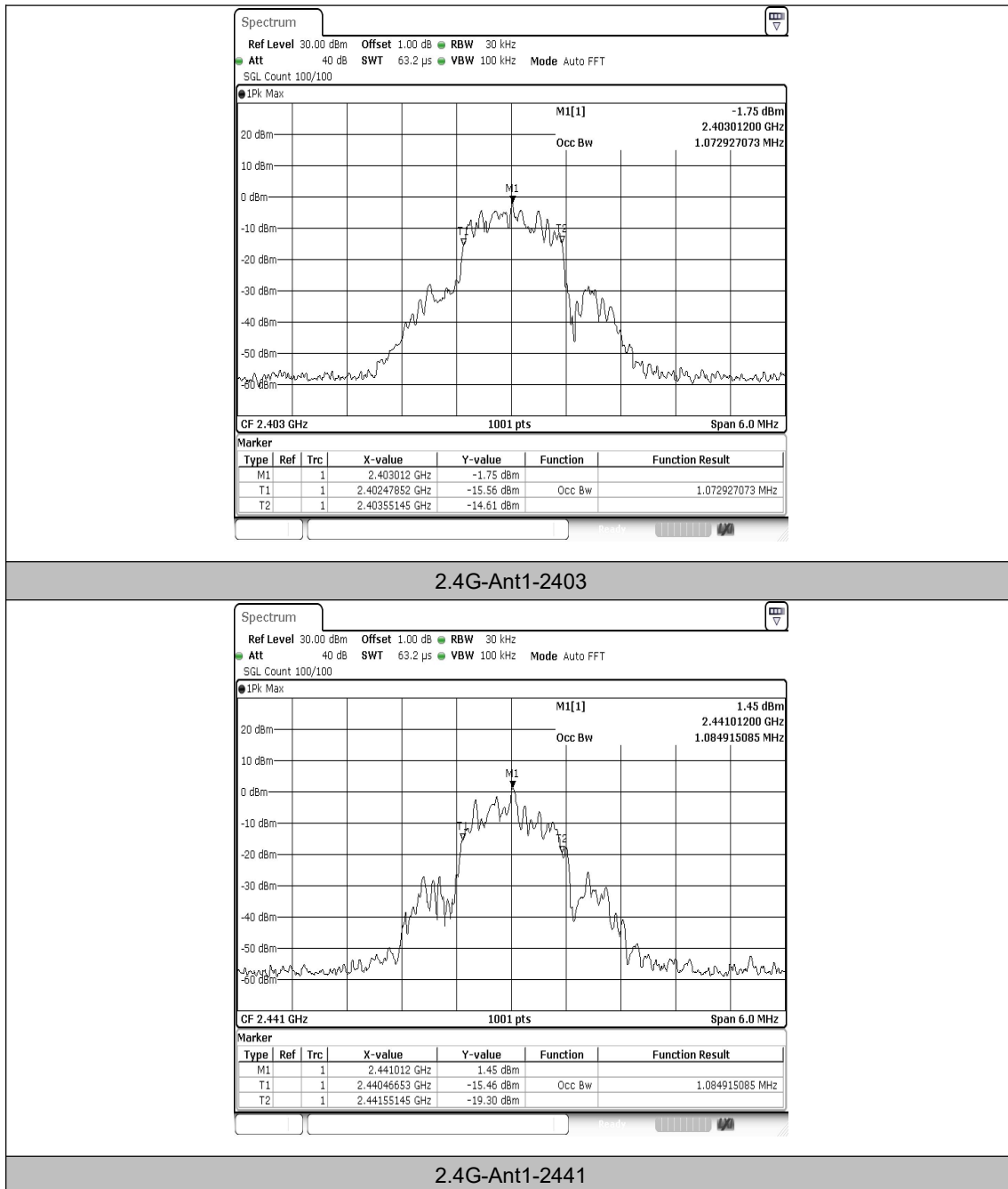
Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	1.0729	2402.4785	2403.5514	---	---
2.4G	Ant1	2441	1.0849	2440.4665	2441.5514	---	---
2.4G	Ant1	2480	1.0490	2479.5085	2480.5574	---	---

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Test Graphs





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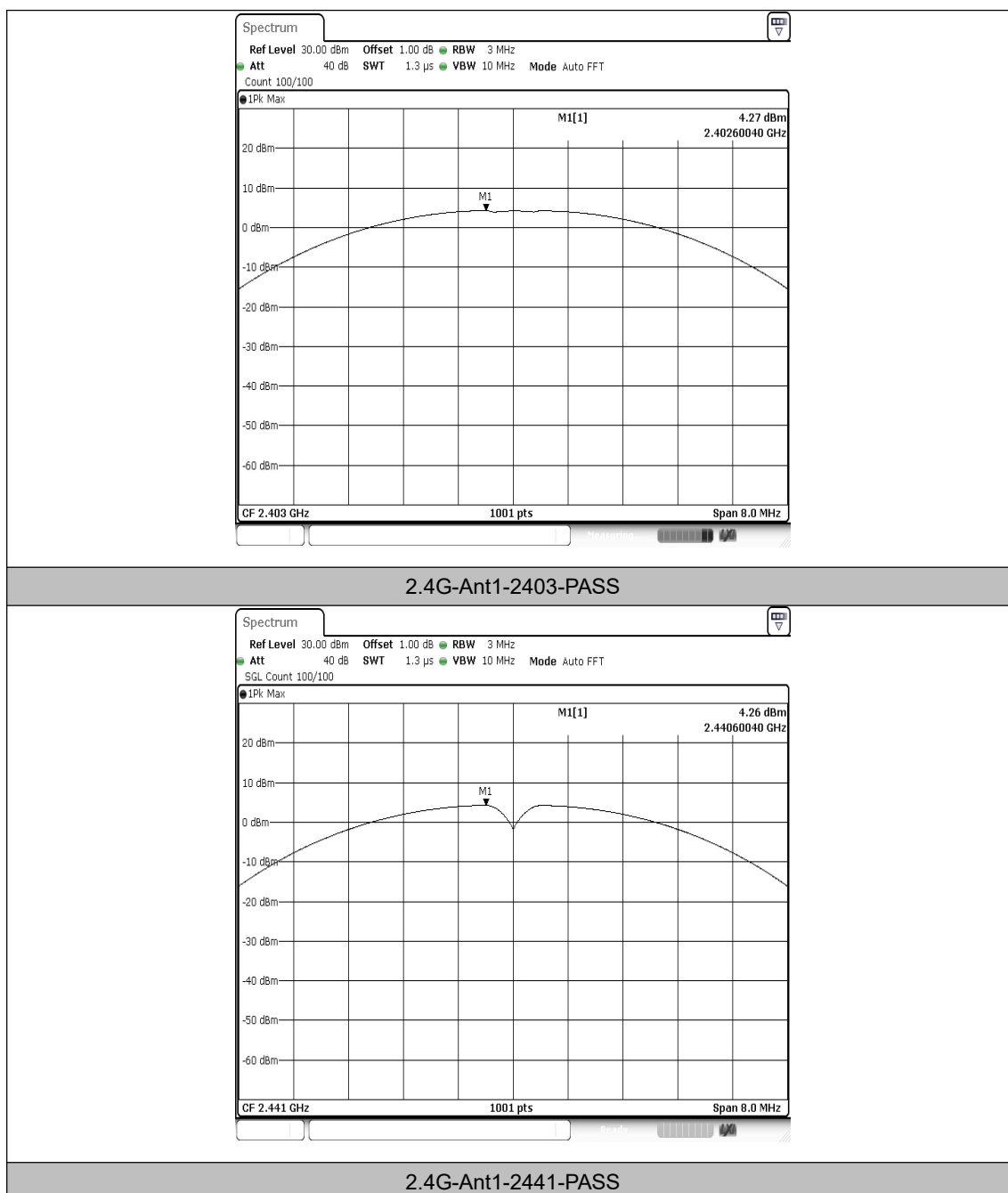
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Appendix C: Maximum Conducted Output Power

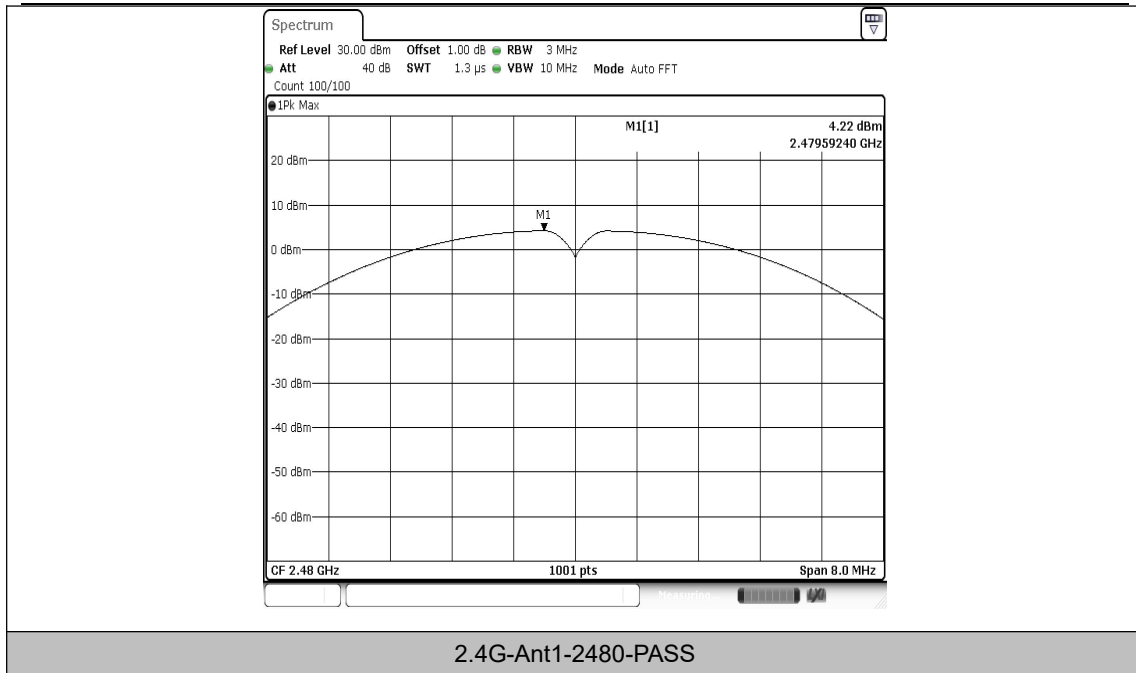
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	4.27	≤20.97	PASS
2.4G	Ant1	2441	4.26	≤20.97	PASS
2.4G	Ant1	2480	4.22	≤20.97	PASS

Test Graphs



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Appendix D: Carrier frequency separation

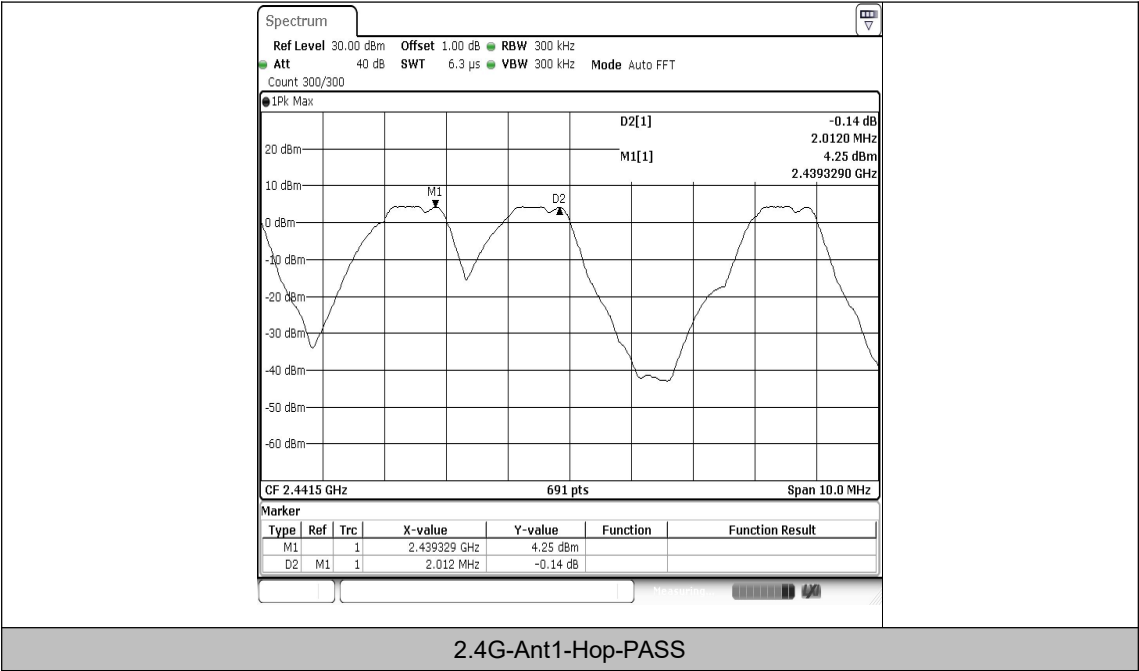
Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.012	≥0.787	PASS

Note: Only record the worst data in the test data.



Test Graphs



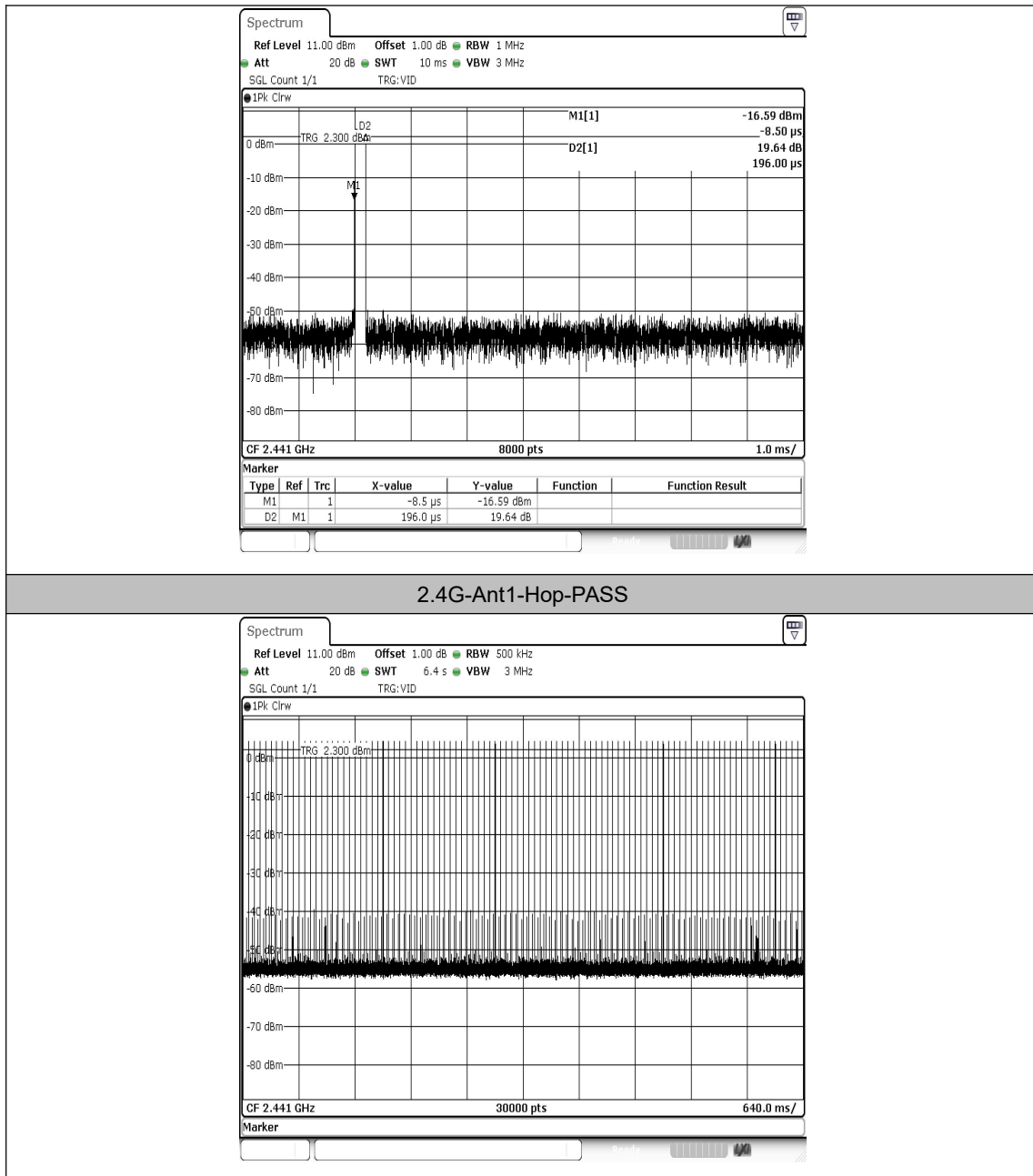
Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	0.196	100	0.02	≤0.4	PASS



Test Graphs



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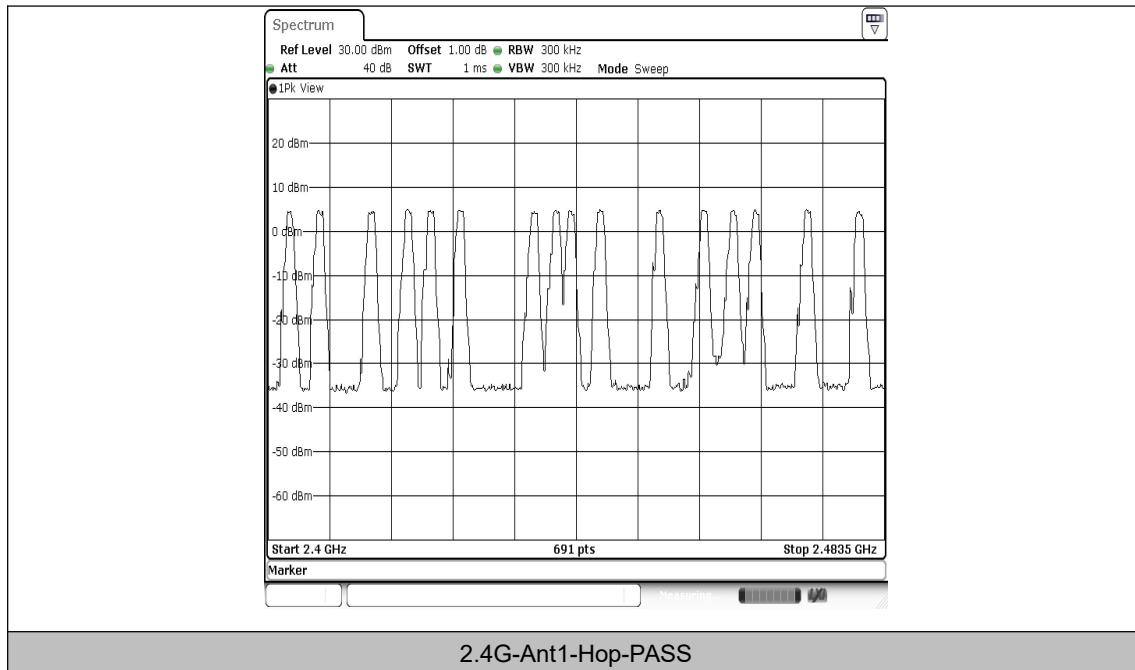
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Appendix F: Number of Hopping Channel

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

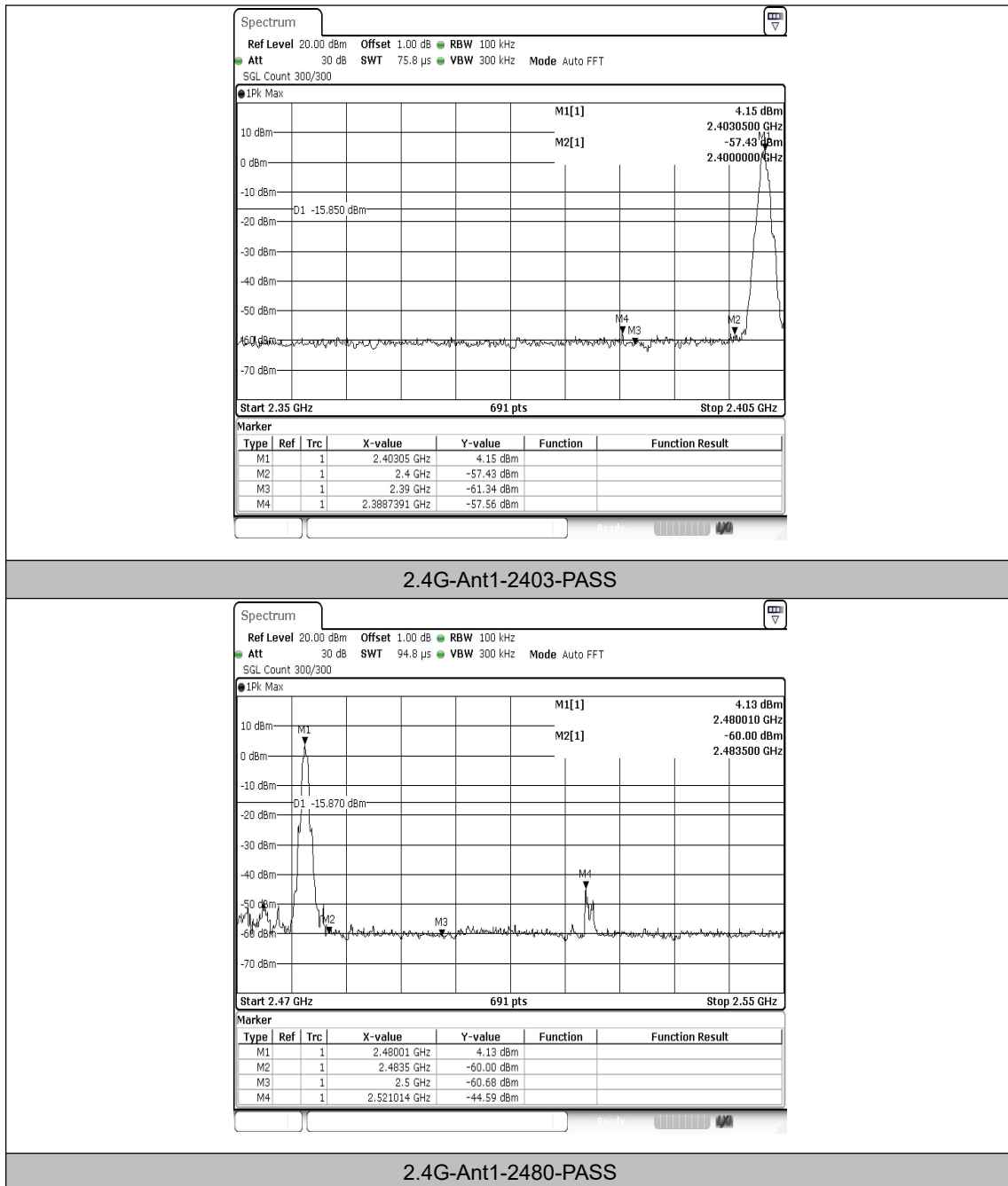
Test Result

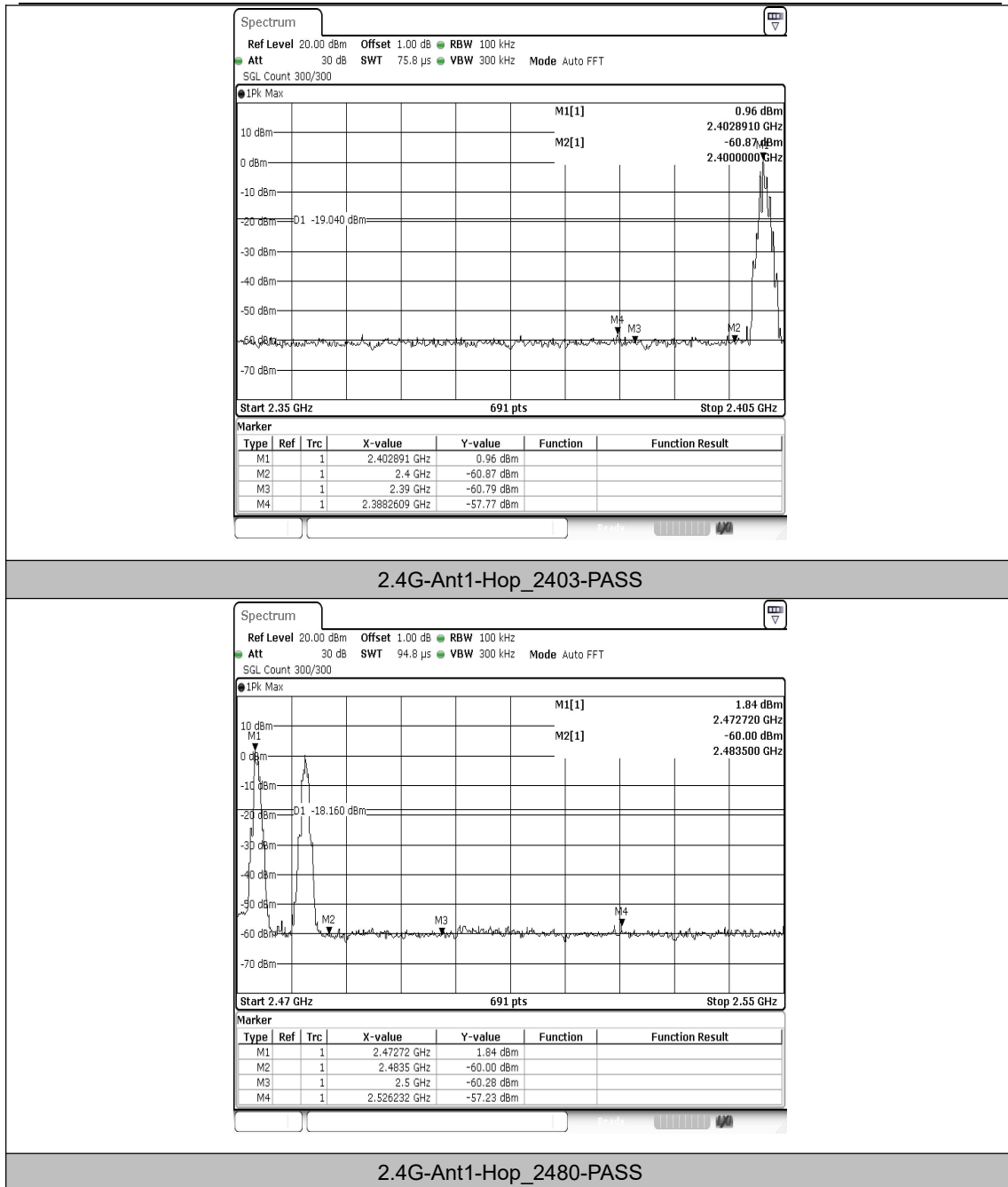
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	4.15	-57.56	≤-15.85	PASS
2.4G	Ant1	High	2480	4.13	-44.59	≤-15.87	PASS
2.4G	Ant1	Low	Hop_2403	0.96	-57.77	≤-19.04	PASS
2.4G	Ant1	High	Hop_2480	1.84	-57.23	≤-18.16	PASS

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

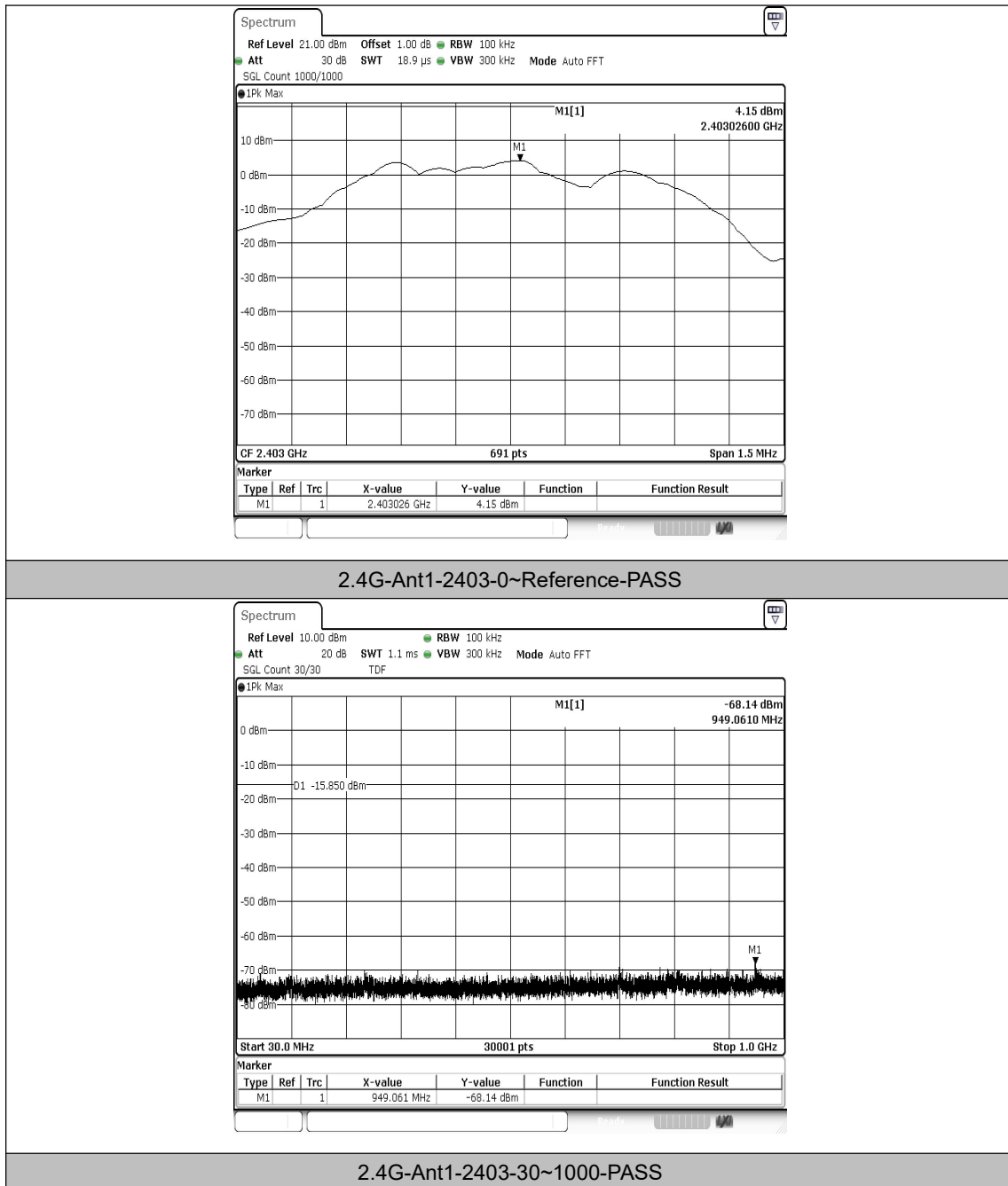
Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	0~Reference	4.15	4.15	---	PASS
2.4G	Ant1	2403	30~1000	4.15	-68.14	≤-15.85	PASS
2.4G	Ant1	2403	1000~26500	4.15	-39.05	≤-15.85	PASS
2.4G	Ant1	2441	0~Reference	4.16	4.16	---	PASS
2.4G	Ant1	2441	30~1000	4.16	-69.03	≤-15.84	PASS
2.4G	Ant1	2441	1000~26500	4.16	-53.12	≤-15.84	PASS
2.4G	Ant1	2480	0~Reference	4.06	4.06	---	PASS
2.4G	Ant1	2480	30~1000	4.06	-68.96	≤-15.94	PASS
2.4G	Ant1	2480	1000~26500	4.06	-42.08	≤-15.94	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.



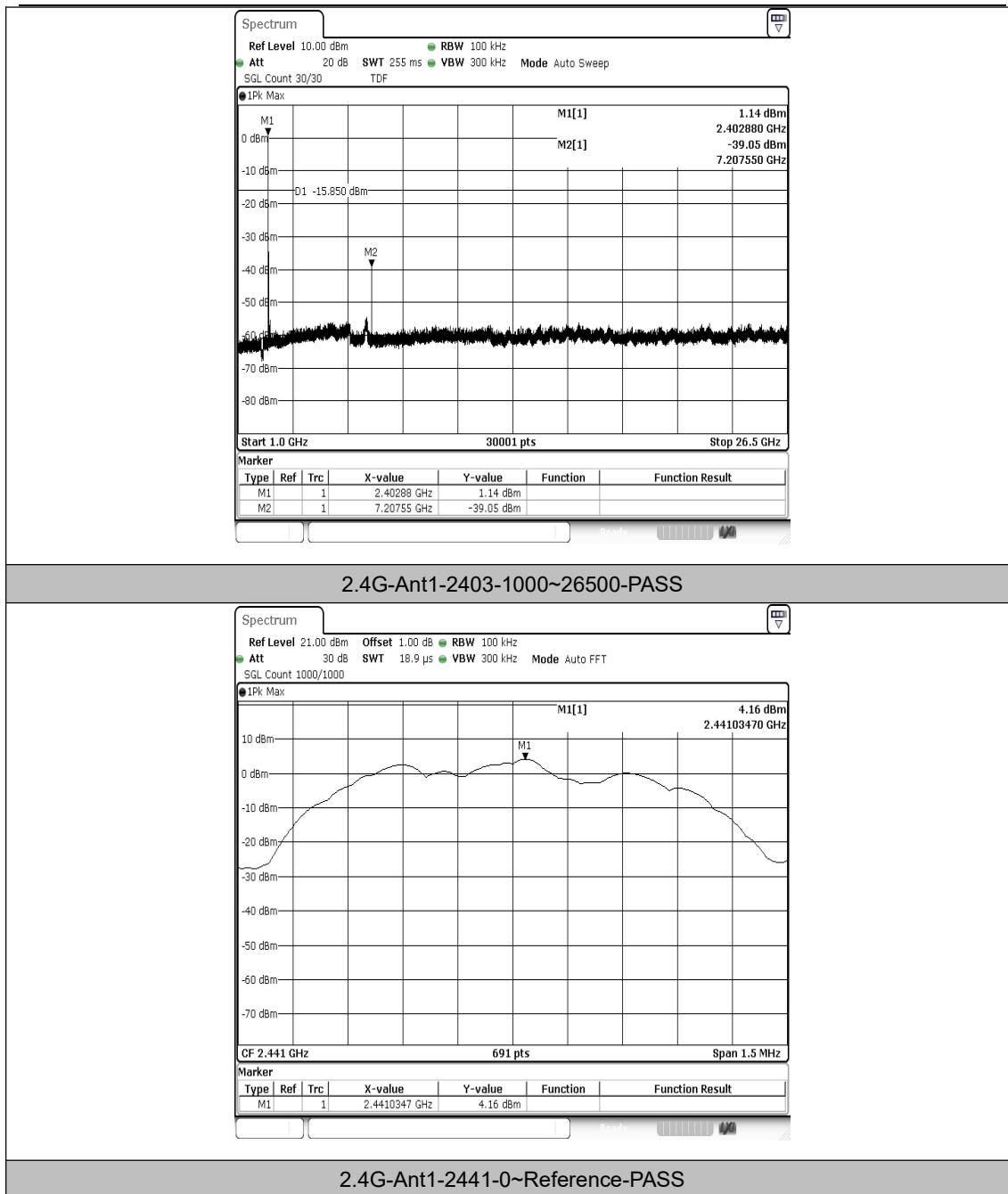
Test Graphs

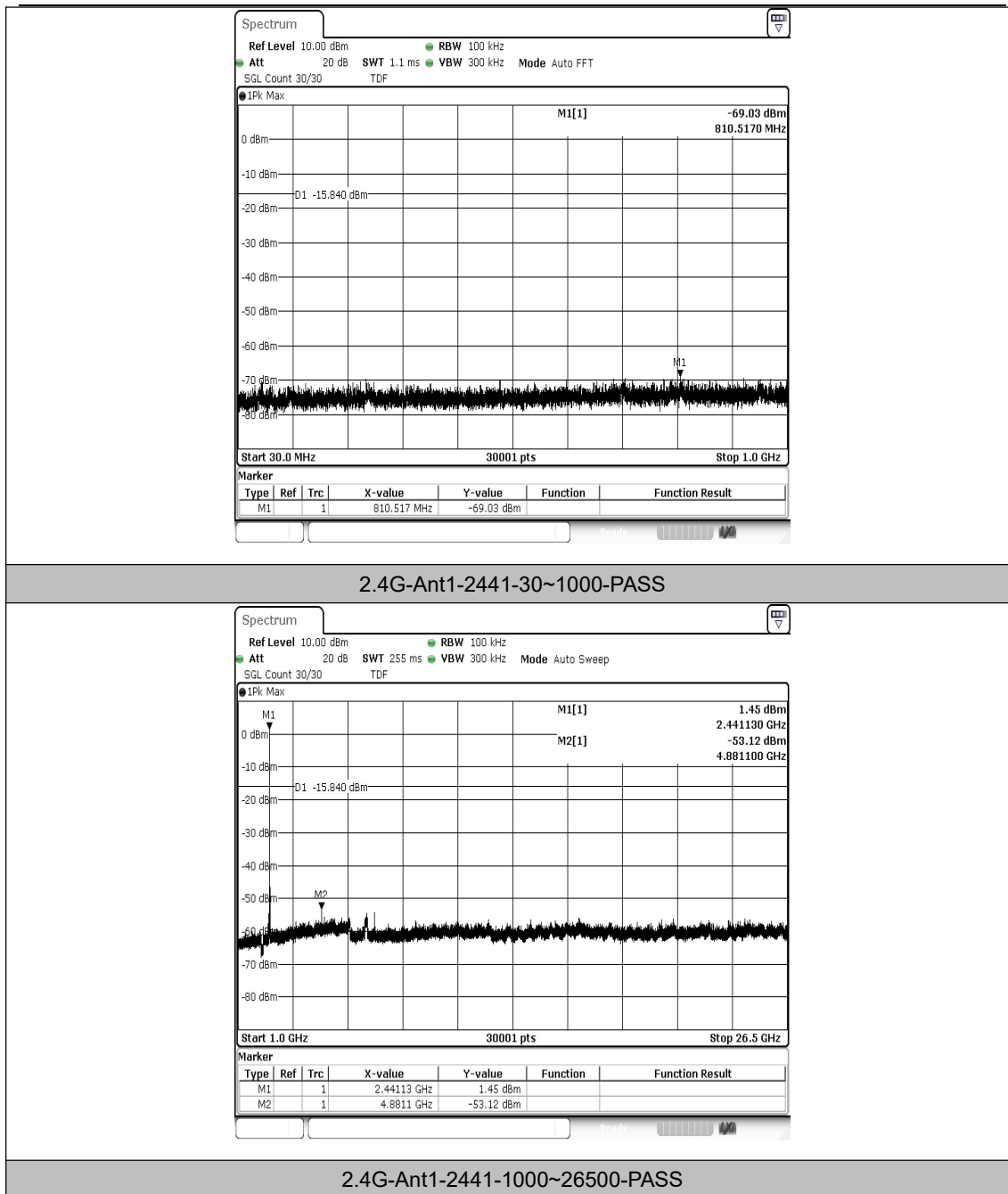


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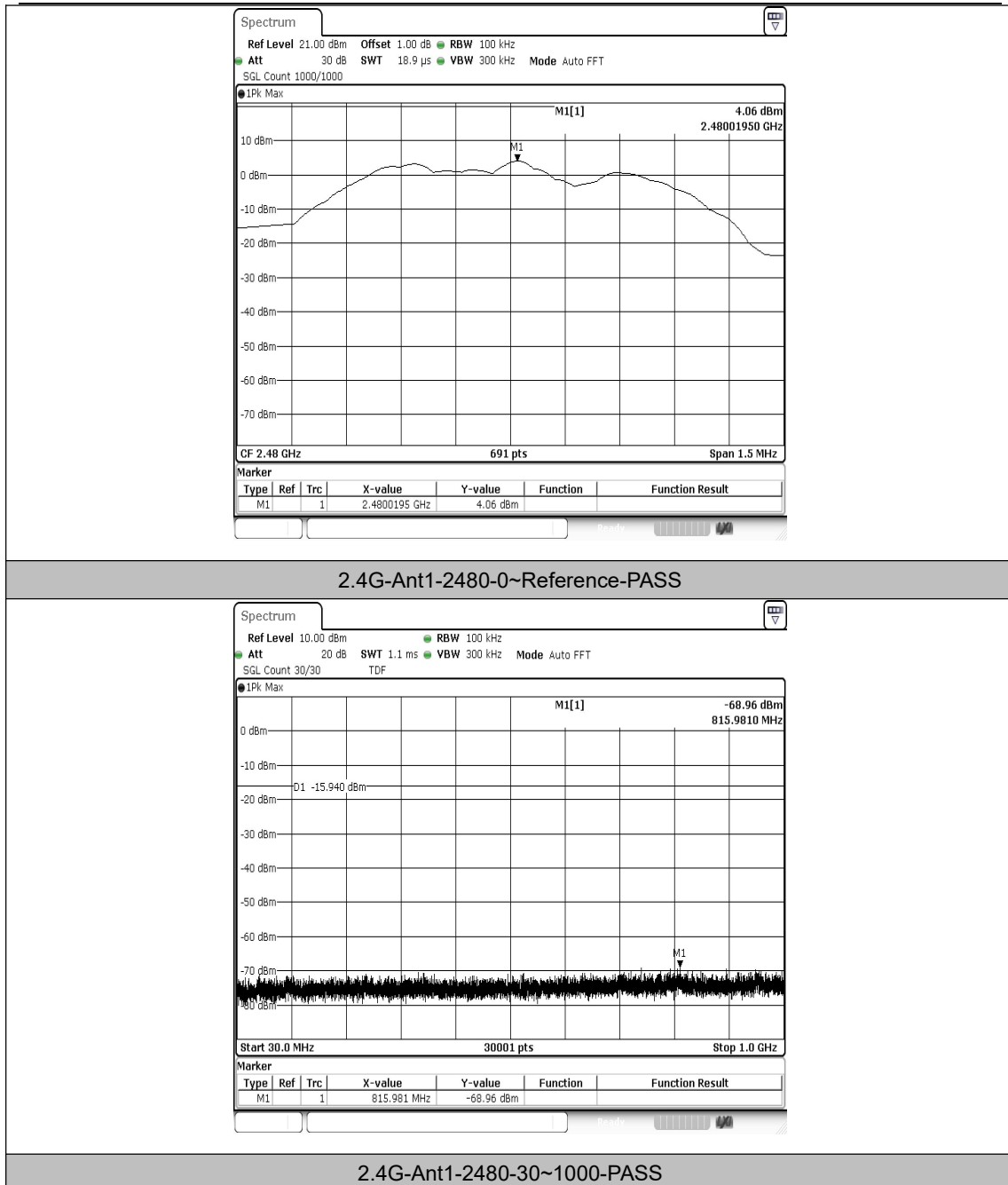




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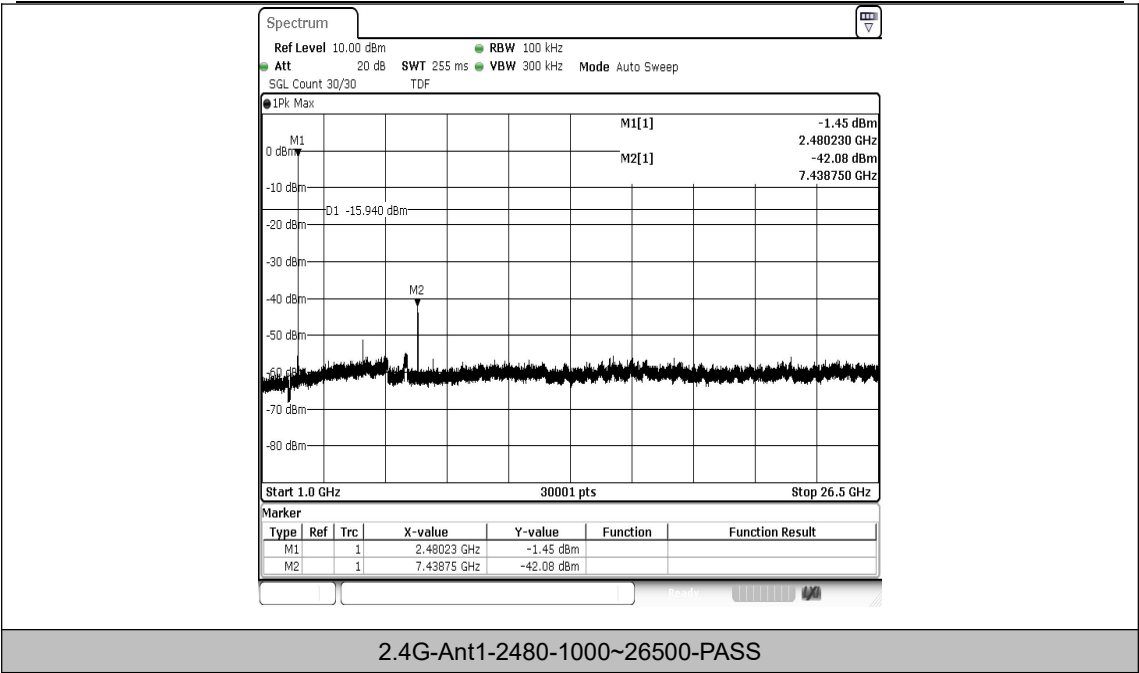
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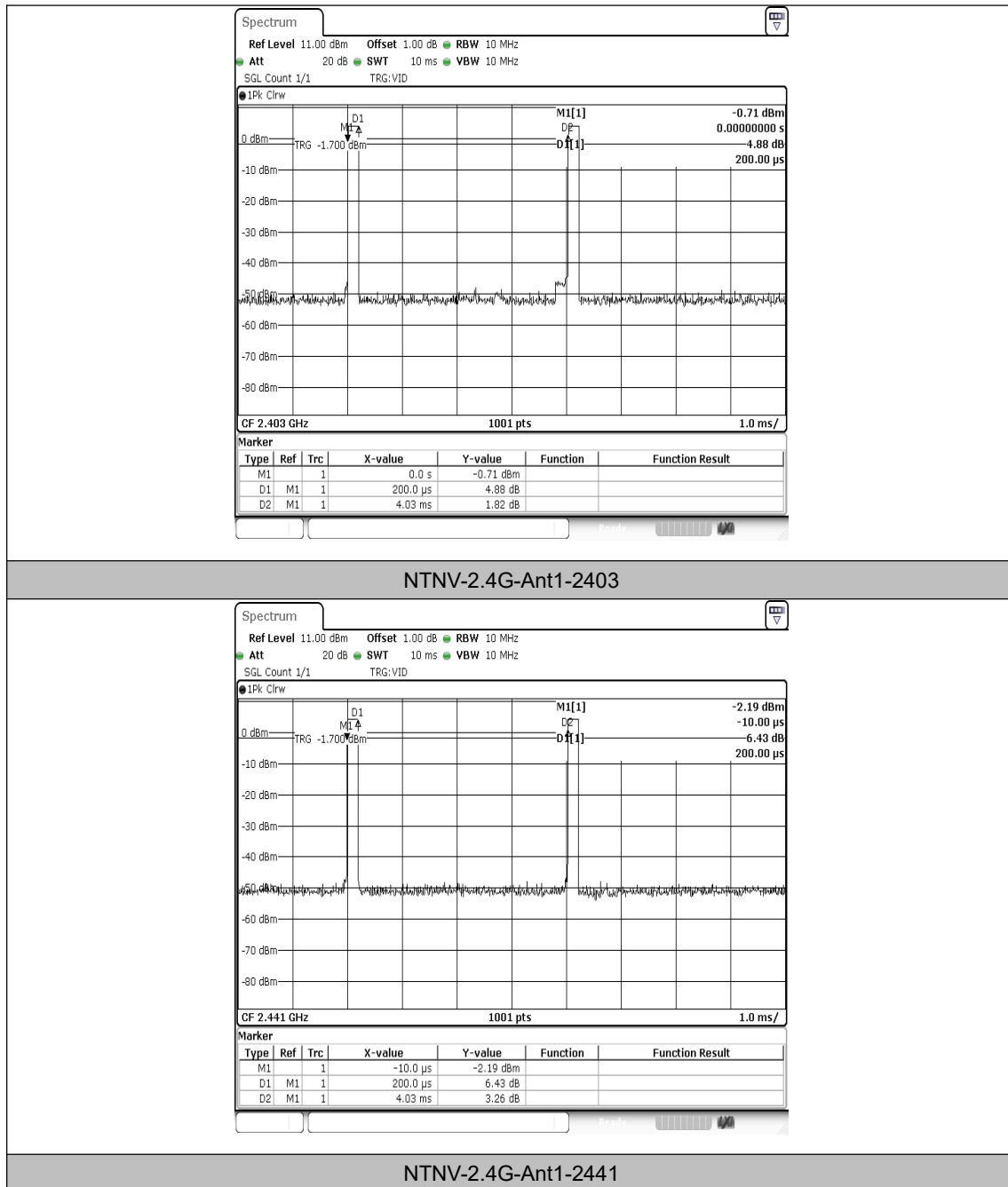
Appendix I: Duty Cycle

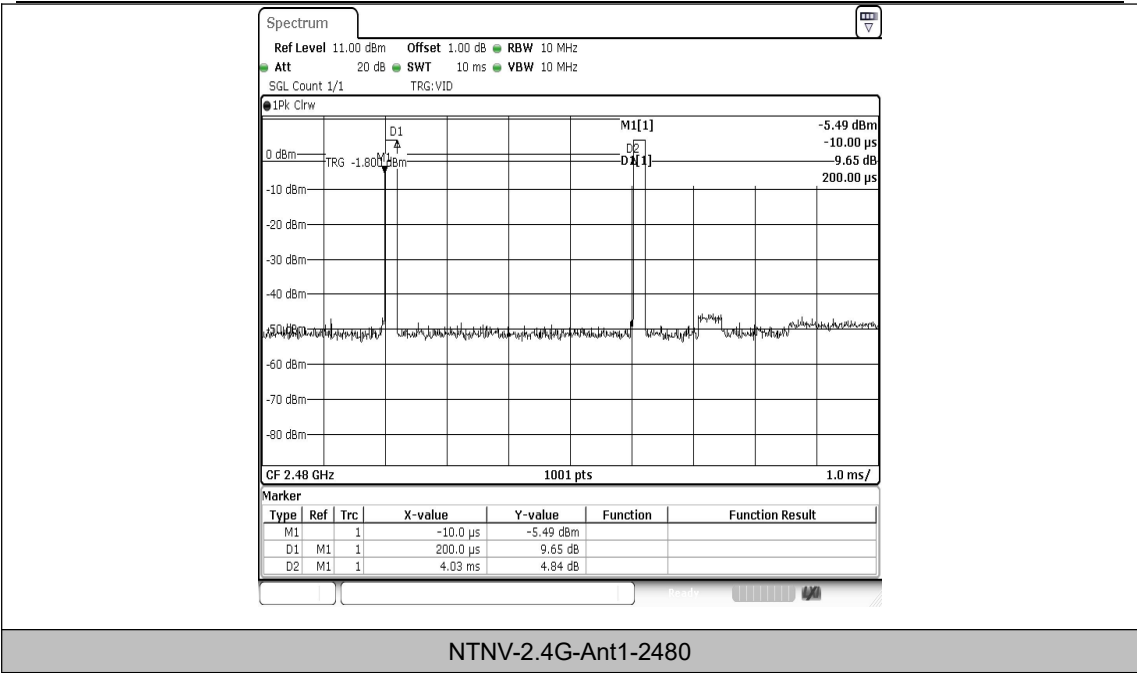
Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2403	0.20	4.03	4.96	13.05
2.4G	Ant1	2441	0.20	4.03	4.96	13.05
2.4G	Ant1	2480	0.20	4.03	4.96	13.05



Test Graphs





---End---

