

Appendix Test Data

Report No.:	1812C50021912501	Test Sample No.:	1-2-2
Start Test Date:	2025-1-14	Finish Test Date:	2025-1-20
Test Engineer:	Hu Sen Guan	Auditor:	Justin Feng
Temperature:	21.5°C	Relative Humidity:	39%
Pressure:	101kPa		

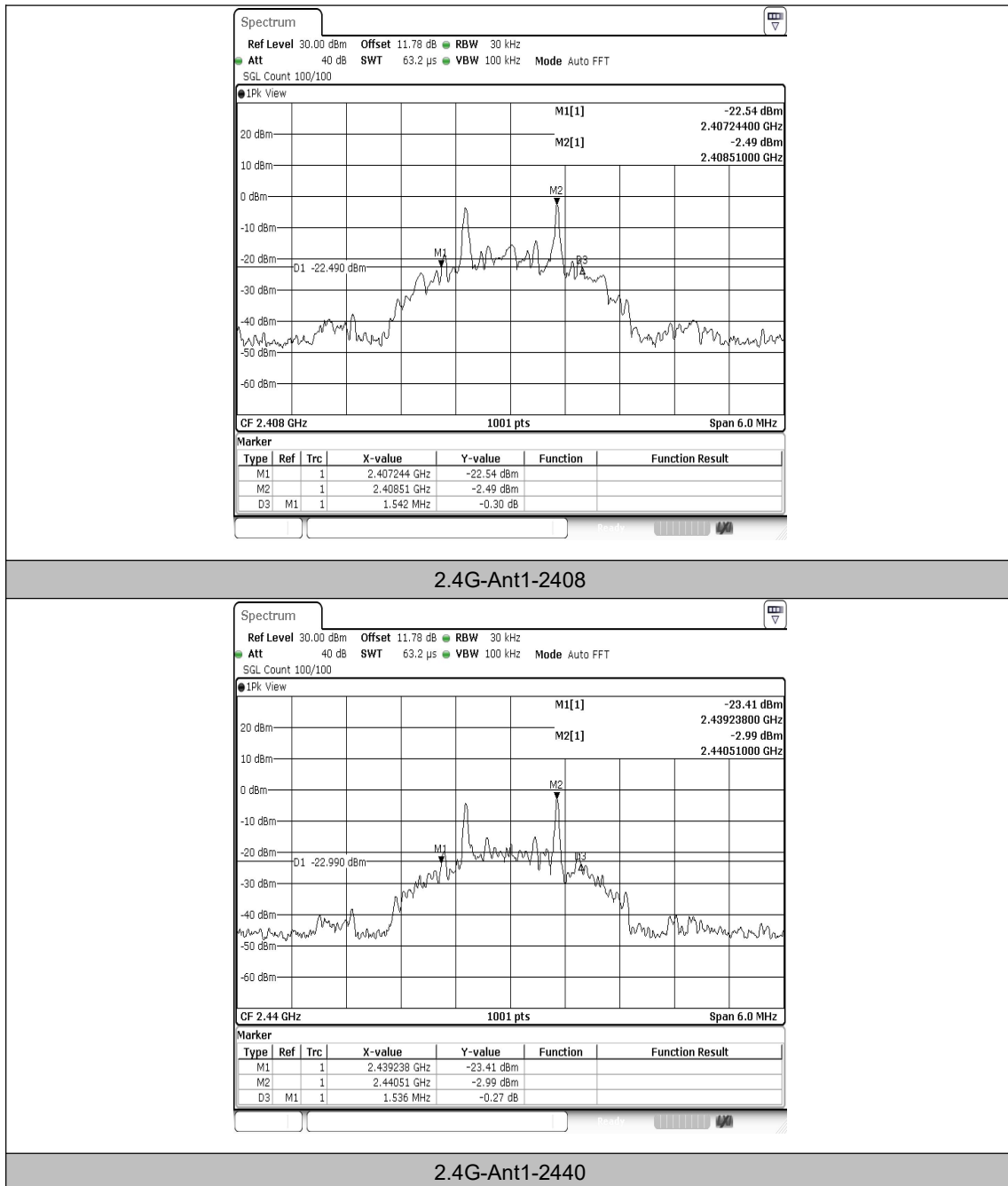
Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2408	1.54	2407.24	2408.79	---	---
2.4G	Ant1	2440	1.54	2439.24	2440.77	---	---
2.4G	Ant1	2474	1.51	2473.25	2474.76	---	---



Test Graphs





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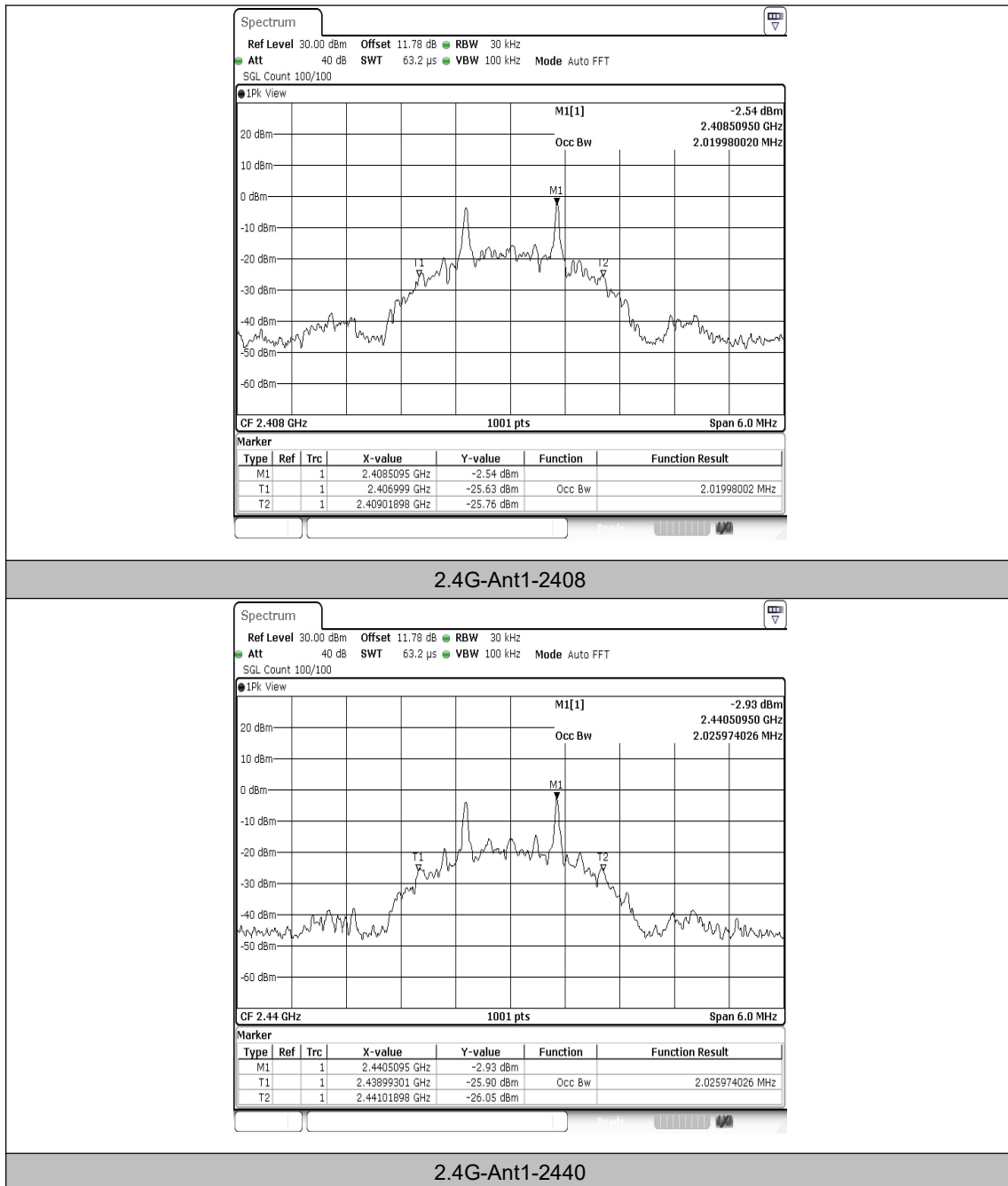
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2408	2.02	2406.9990	2409.0190	---	---
2.4G	Ant1	2440	2.026	2438.9930	2441.0190	---	---
2.4G	Ant1	2474	2.014	2472.9990	2475.0130	---	---



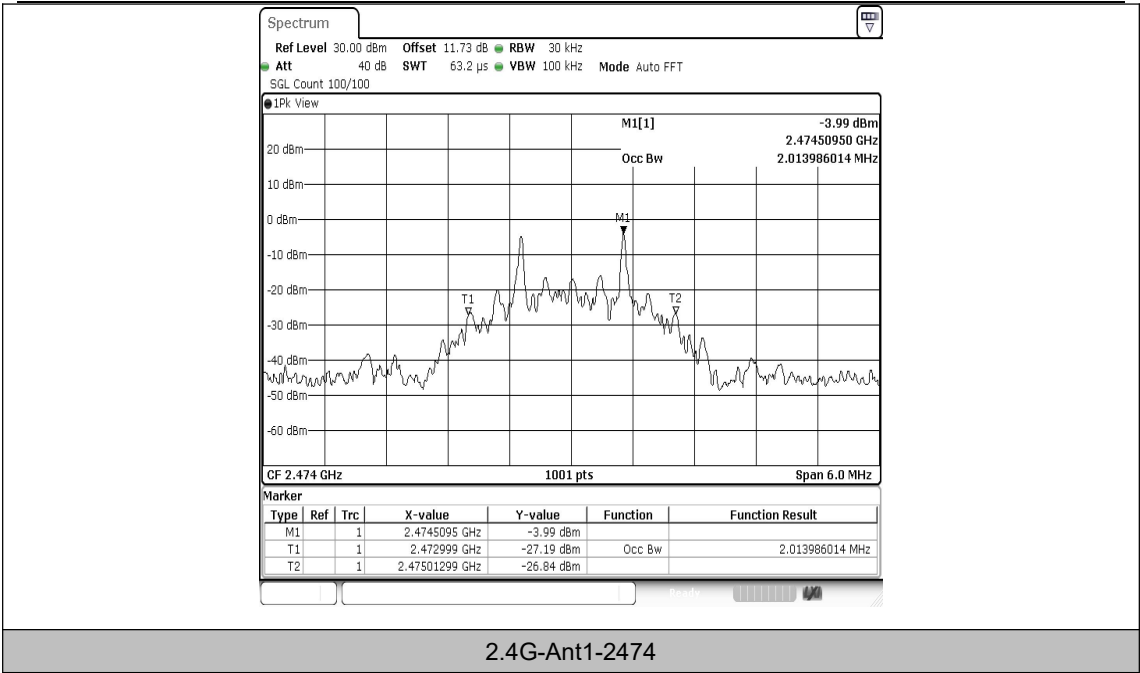
Test Graphs



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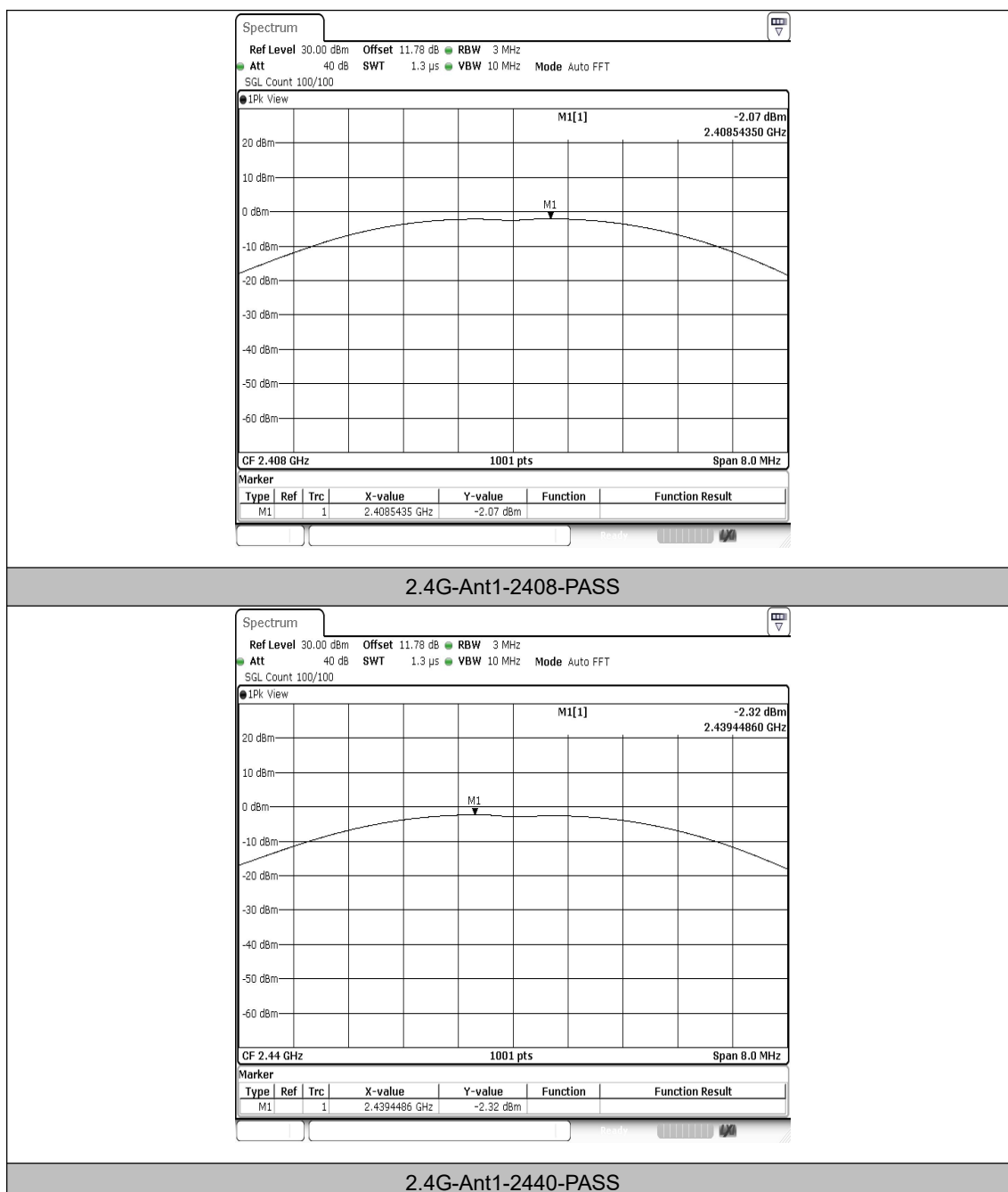
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Appendix C: Maximum Conducted Output Power

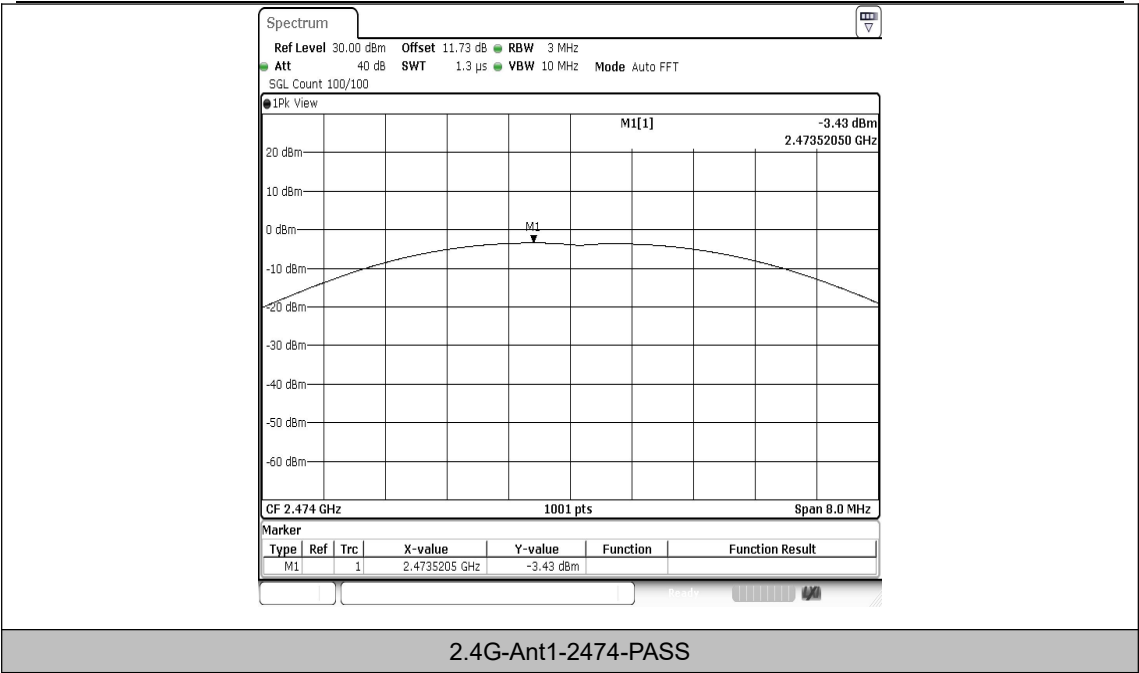
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2408	-2.07	≤20.97	PASS
2.4G	Ant1	2440	-2.32	≤20.97	PASS
2.4G	Ant1	2474	-3.43	≤20.97	PASS

Test Graphs



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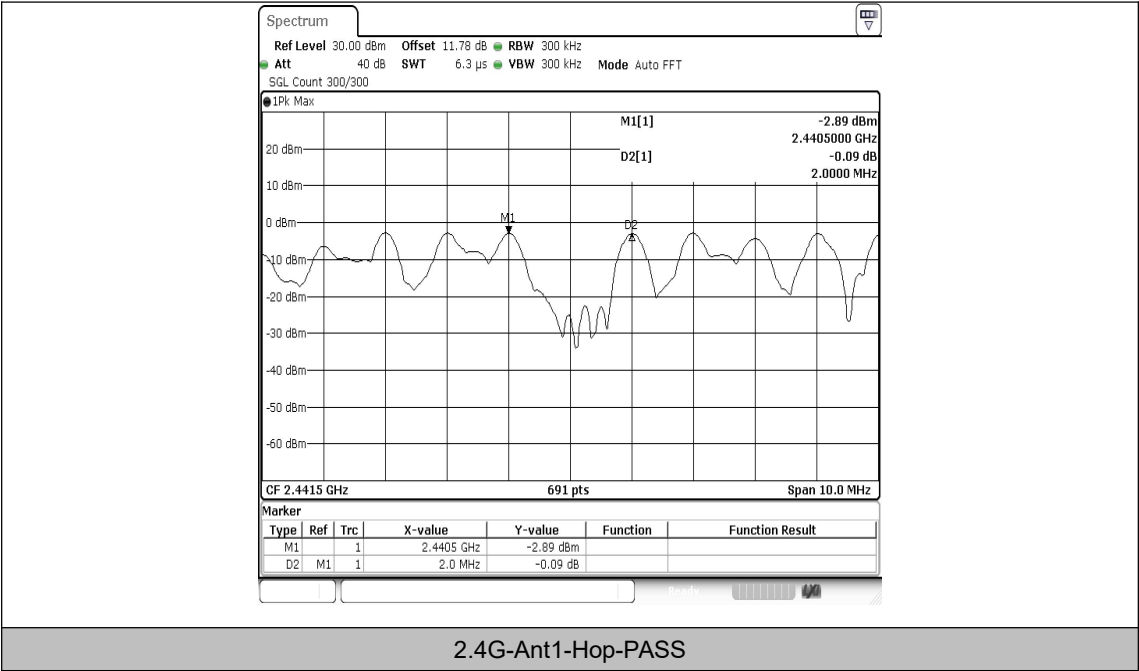
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2	≥ 1.027	PASS



Test Graphs



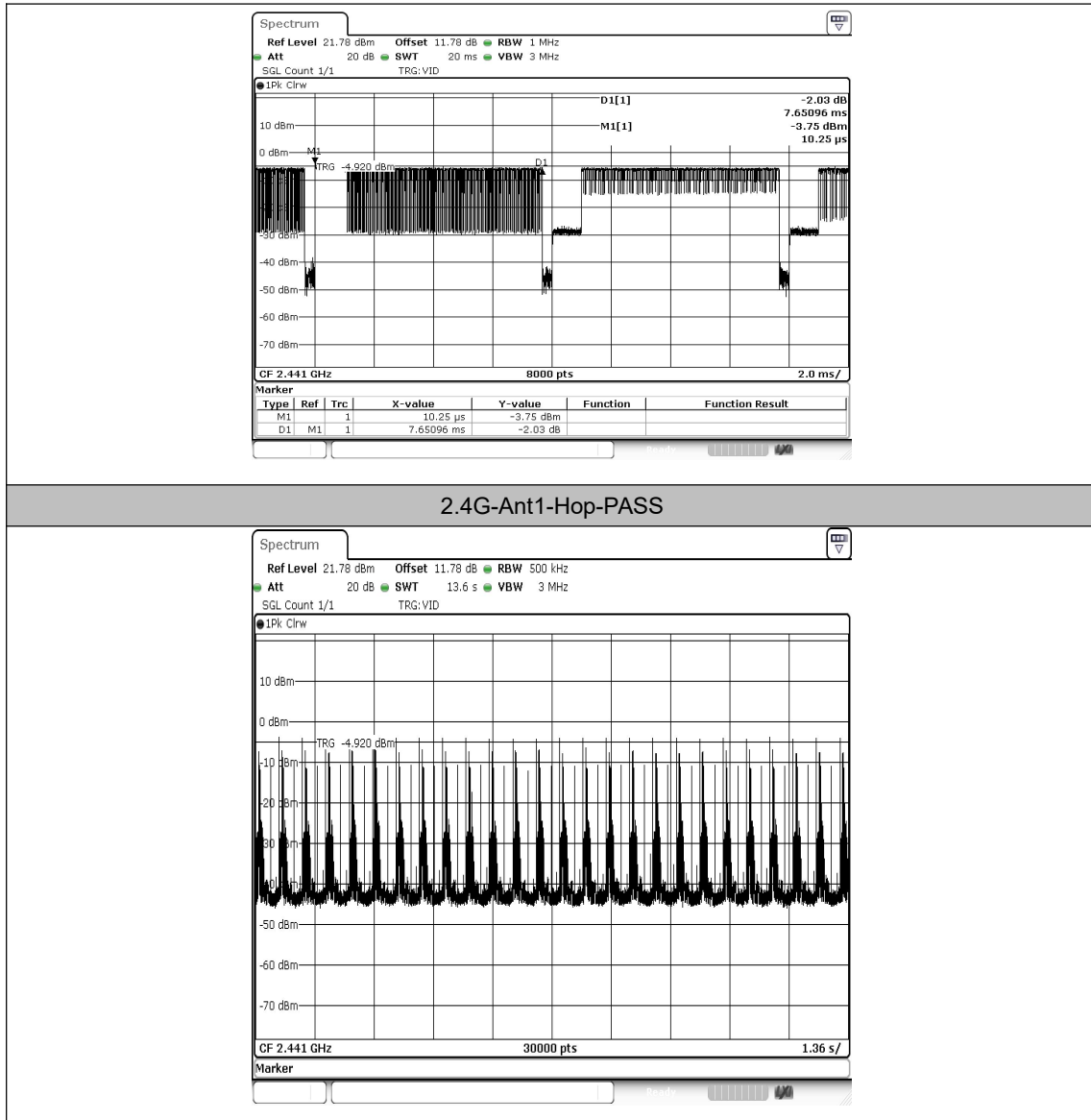
Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	0.010	78	0.0078	≤0.4	PASS



Test Graphs



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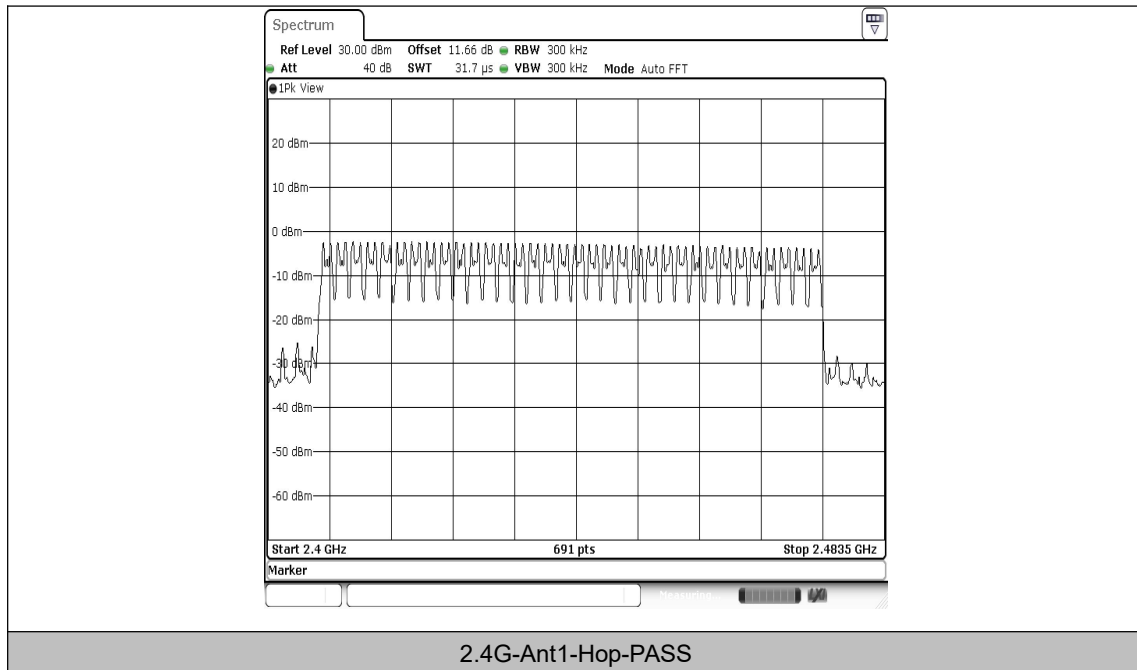
Appendix F: Number of Hopping Channel

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [Num]	Limit [Num]	Verdict
2.4G	Ant1	Hop	34	≥15	PASS



Test Graphs



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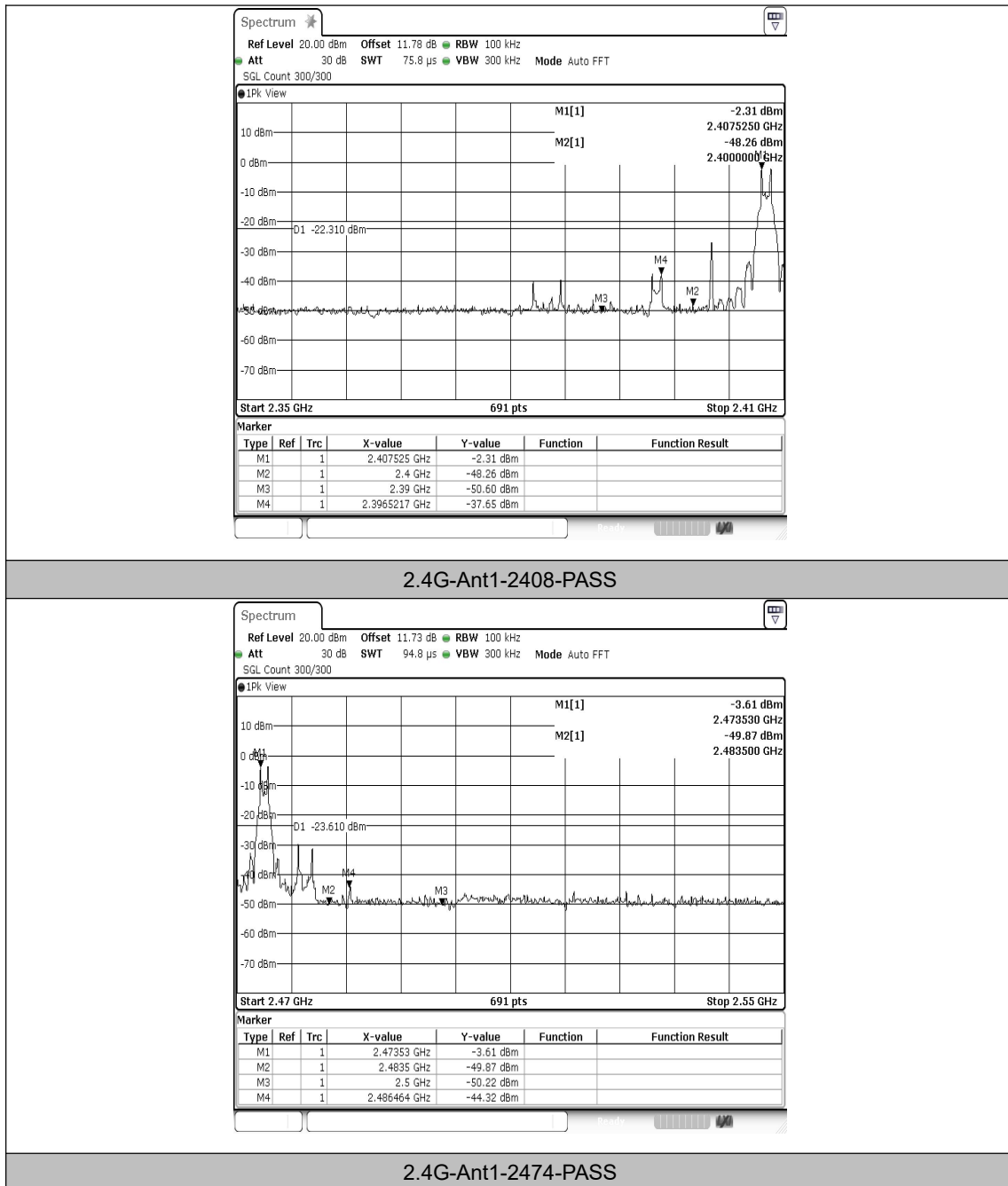
Appendix G: Conducted Band edge

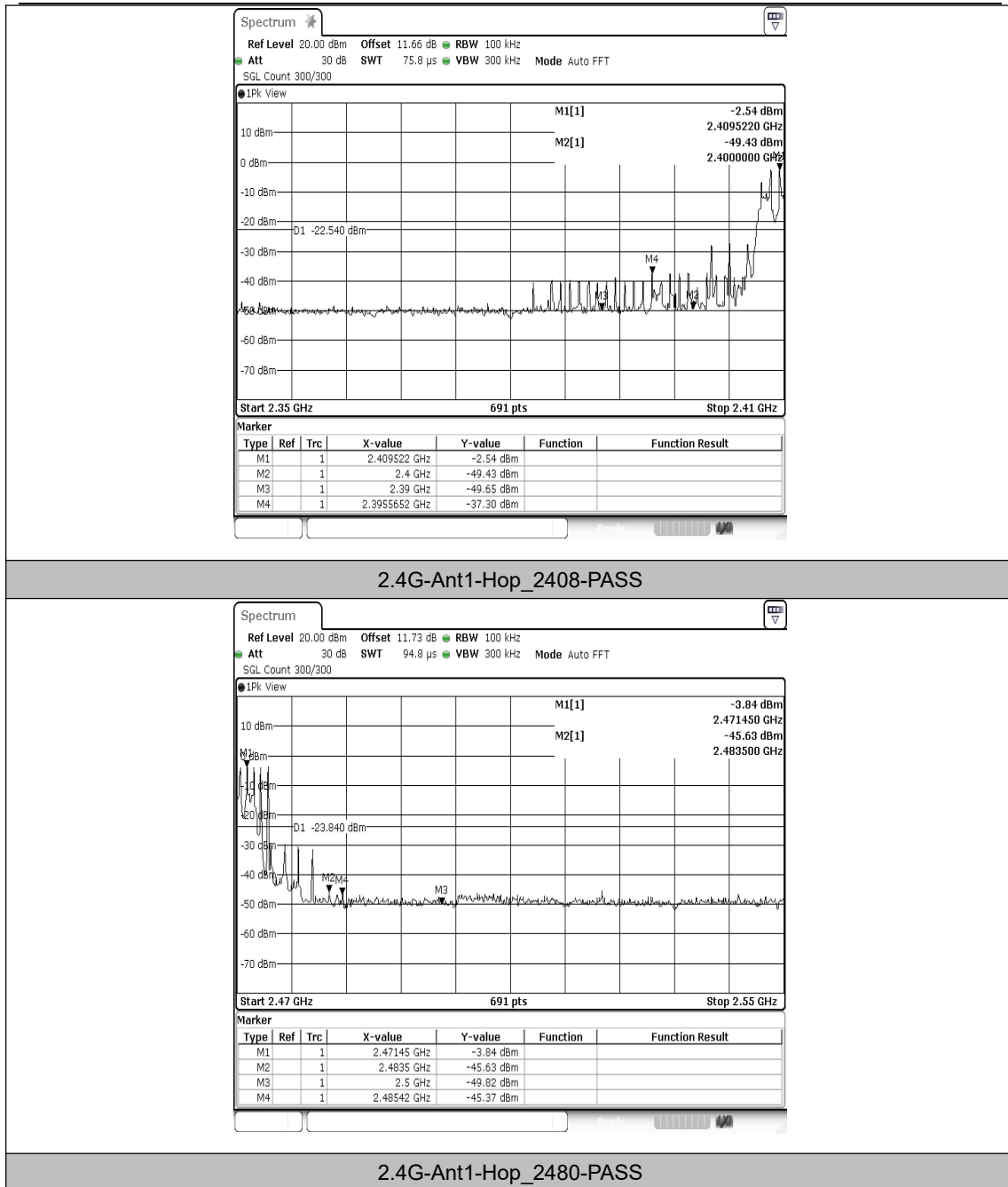
Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2408	-2.31	-37.65	≤ -22.31	PASS
2.4G	Ant1	High	2474	-3.61	-44.32	≤ -23.61	PASS
2.4G	Ant1	Low	Hop_2408	-2.54	-37.3	≤ -22.54	PASS
2.4G	Ant1	High	Hop_2480	-3.84	-45.37	≤ -23.84	PASS



Test Graphs





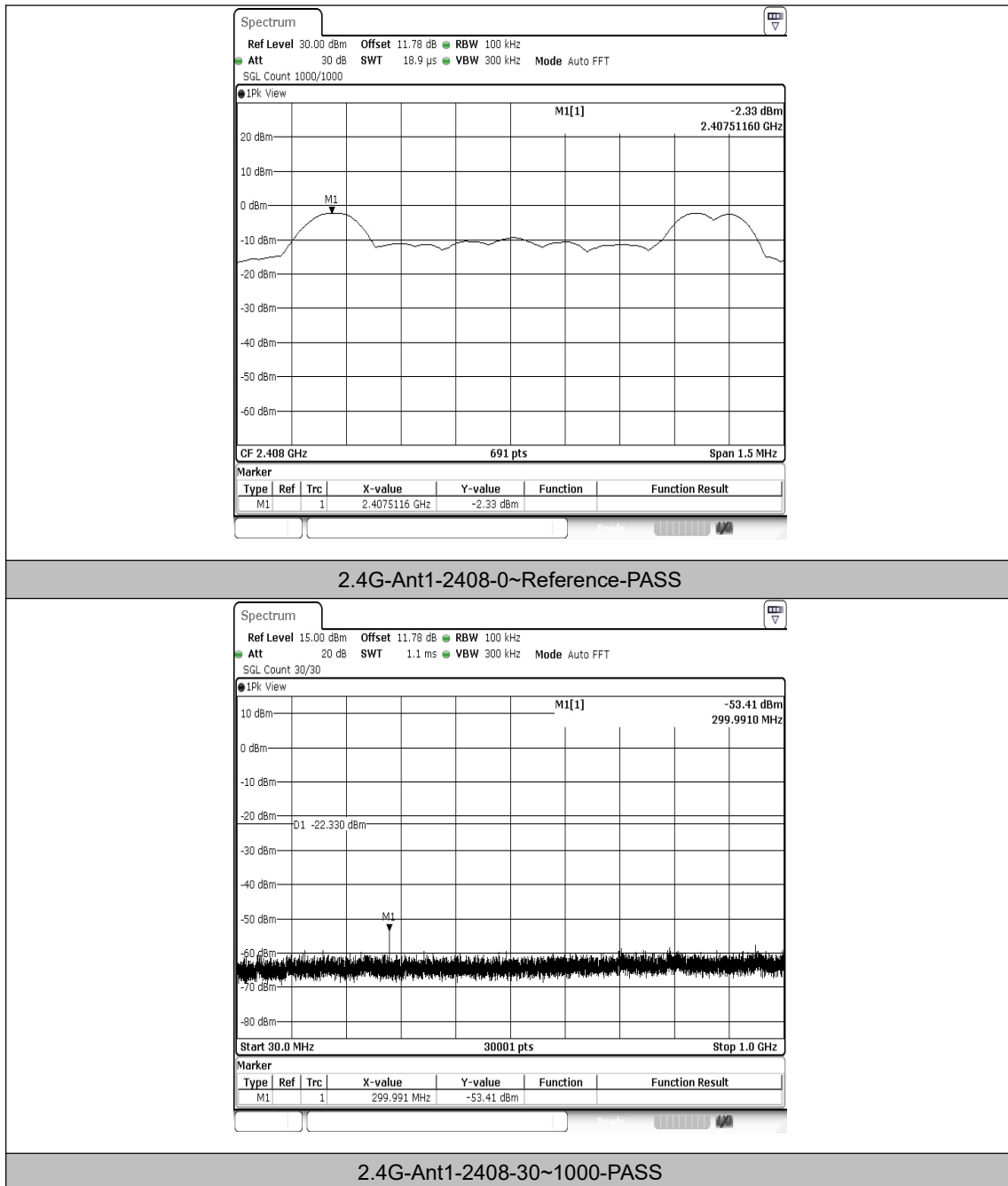
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2408	0~Reference	-2.33	-2.33	---	PASS
2.4G	Ant1	2408	30~1000	-2.33	-53.41	≤-22.33	PASS
2.4G	Ant1	2408	1000~26500	-2.33	-40.72	≤-22.33	PASS
2.4G	Ant1	2440	0~Reference	-2.71	-2.71	---	PASS
2.4G	Ant1	2440	30~1000	-2.71	-52.23	≤-22.71	PASS
2.4G	Ant1	2440	1000~26500	-2.71	-39.3	≤-22.71	PASS
2.4G	Ant1	2474	0~Reference	-3.70	-3.70	---	PASS
2.4G	Ant1	2474	30~1000	-3.70	-53.85	≤-23.7	PASS
2.4G	Ant1	2474	1000~26500	-3.70	-39.14	≤-23.7	PASS



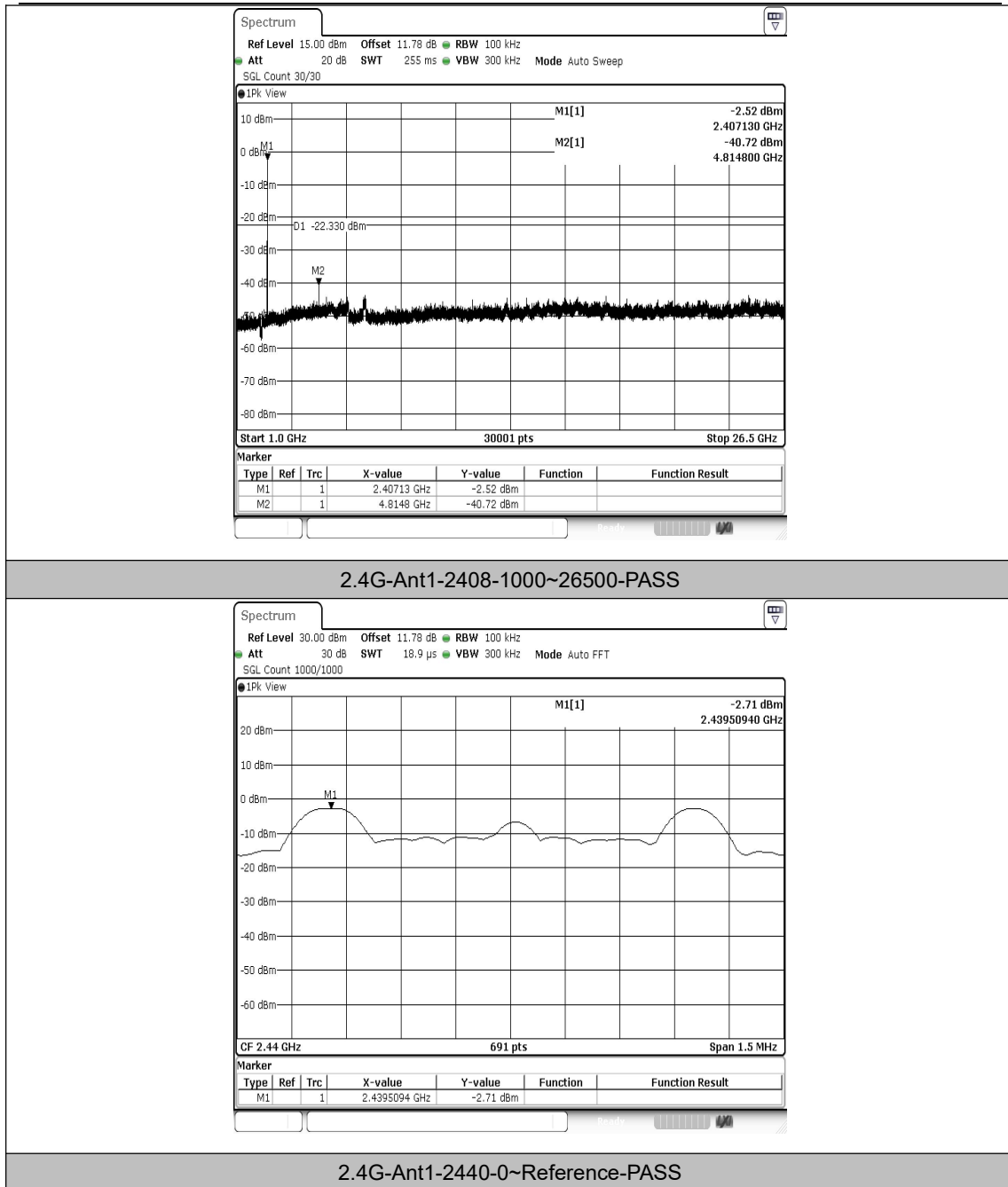
Test Graphs



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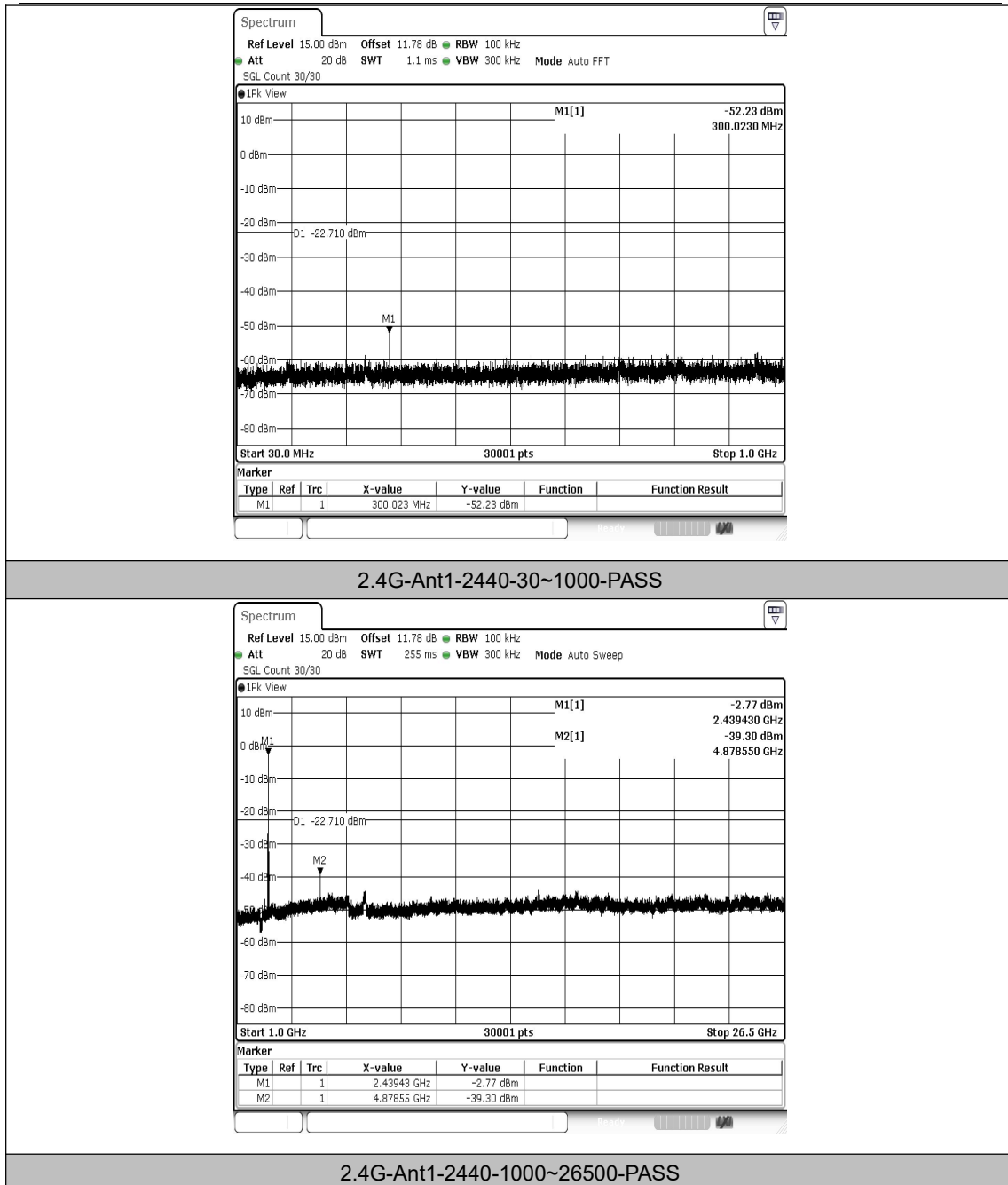
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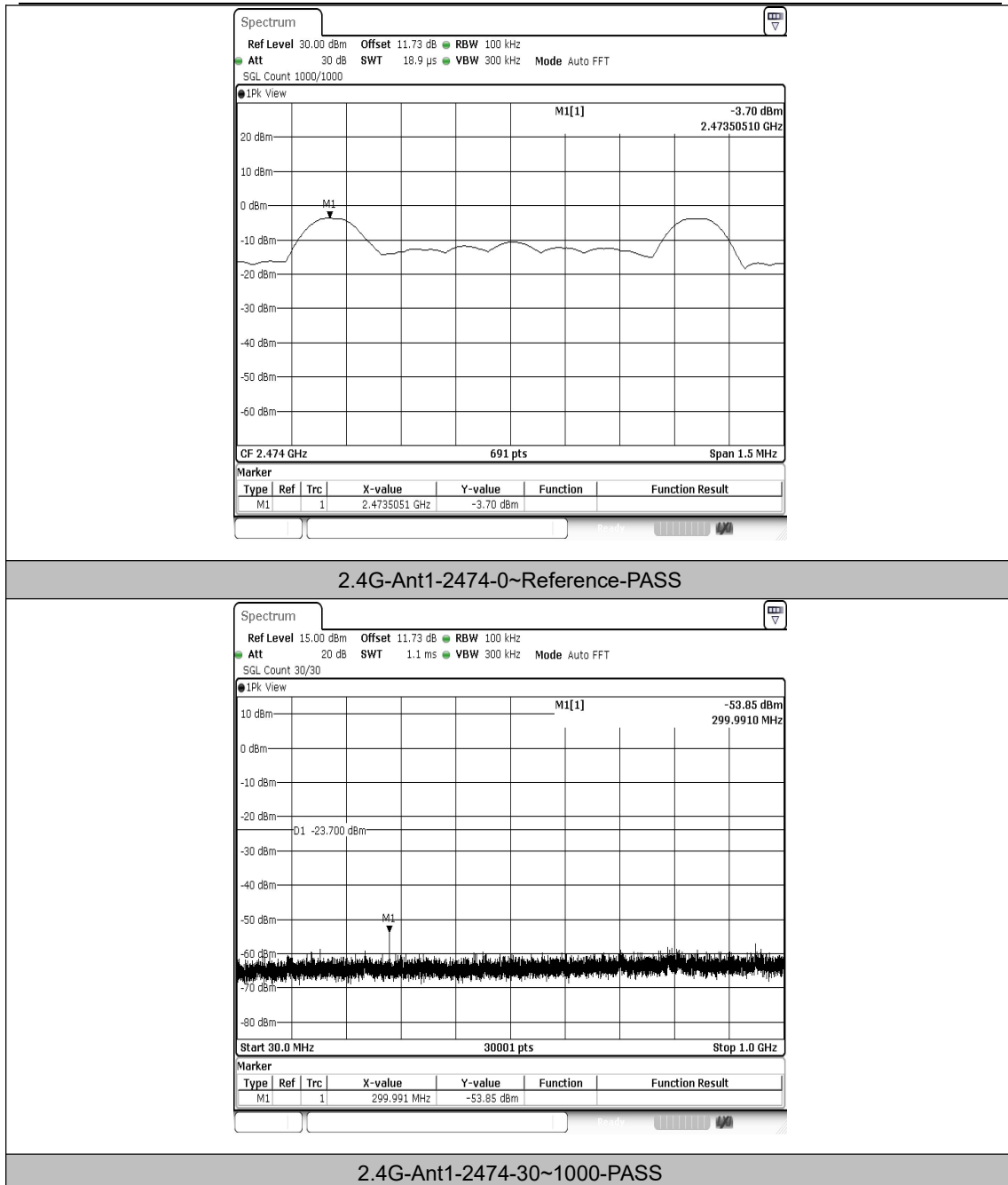


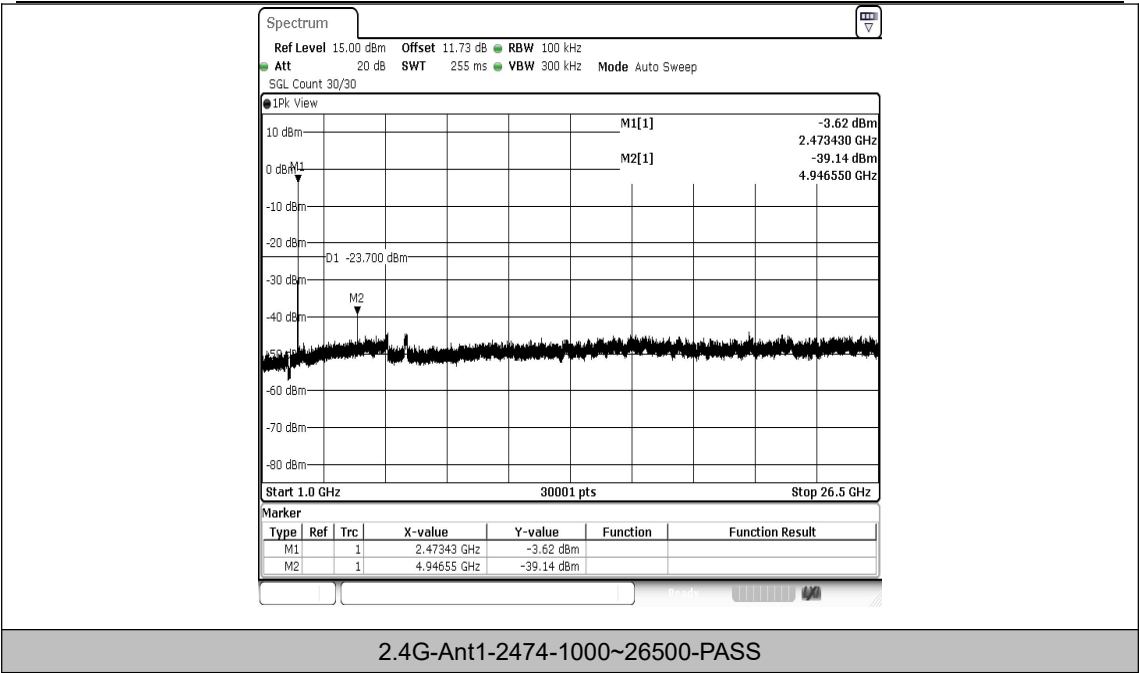
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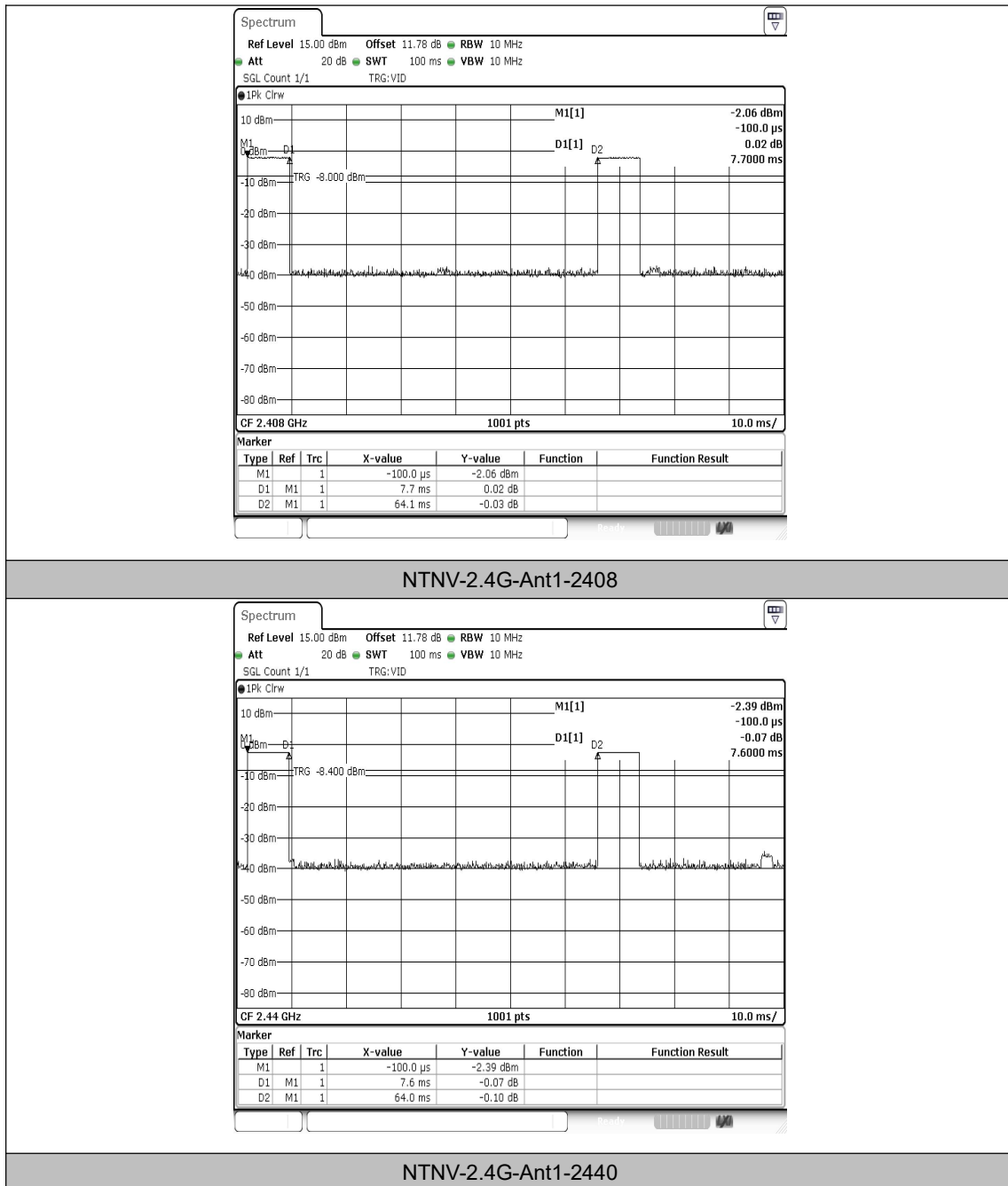
Appendix I: Duty Cycle

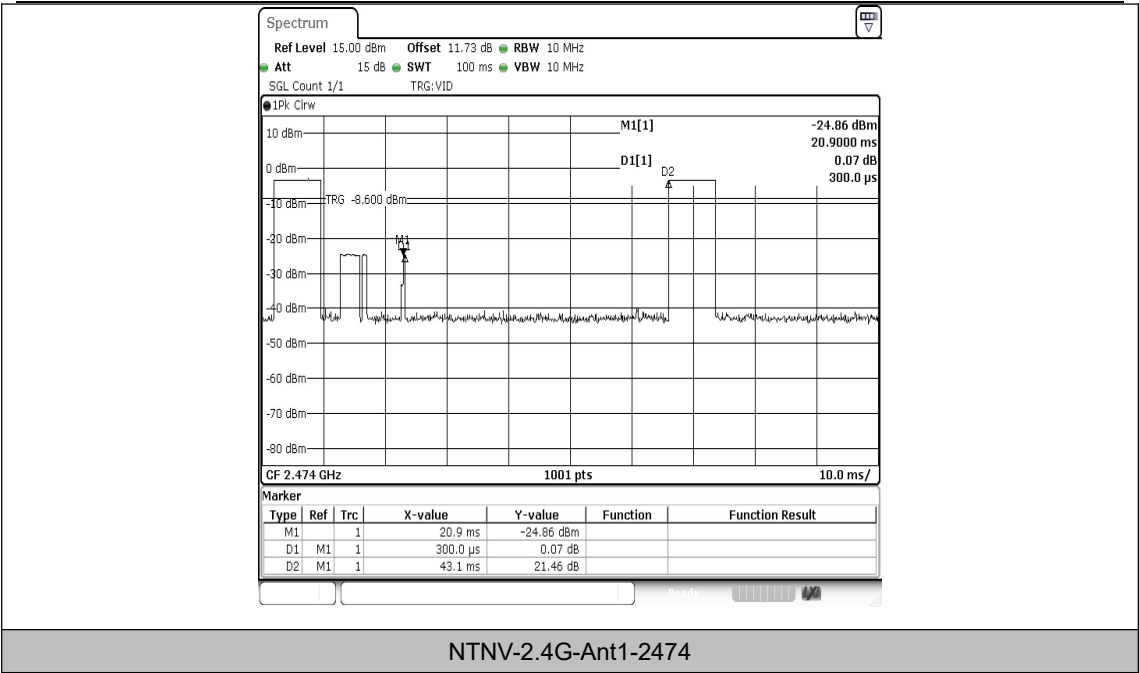
Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2408	7.70	64.10	12.01	9.20
2.4G	Ant1	2440	7.60	64.00	11.88	9.25
2.4G	Ant1	2474	0.30	43.10	0.70	21.55



Test Graphs





---End---