

Appendix Test Data

Report No.:	1812C50016212502-01	Test Sample No.:	1-2-2
Start Test Date:	2025.1.14	Finish Test Date:	2025.1.20
Test Engineer:	Huisen Guan	Auditor:	Justin Feng
Temperature:	21.5°C	Relative Humidity:	39%
Pressure:	101kPa		

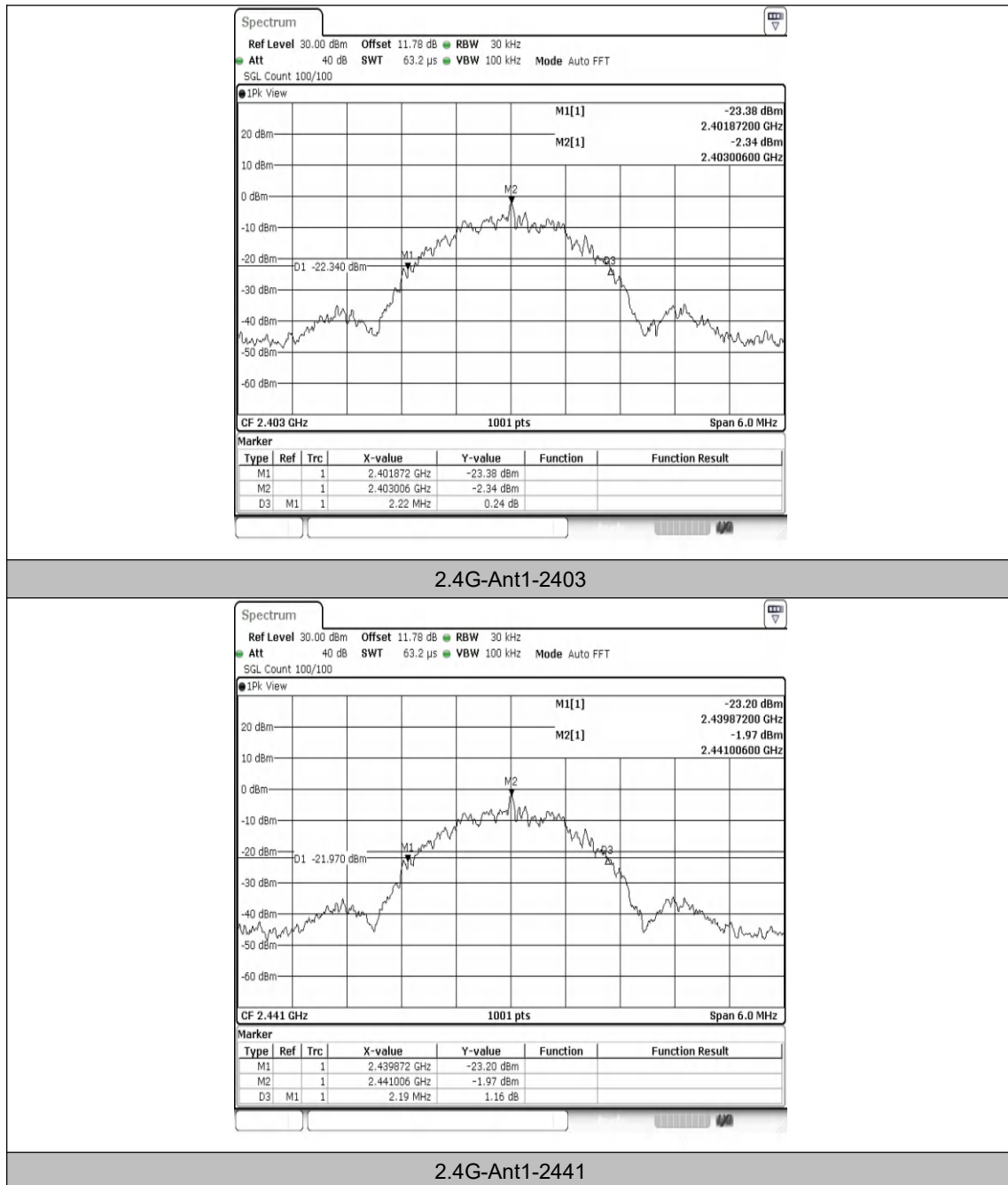


Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.22	2401.87	2404.09	---	---
2.4G	Ant1	2441	2.19	2439.87	2442.06	---	---
2.4G	Ant1	2477	2.22	2475.87	2478.09	---	---

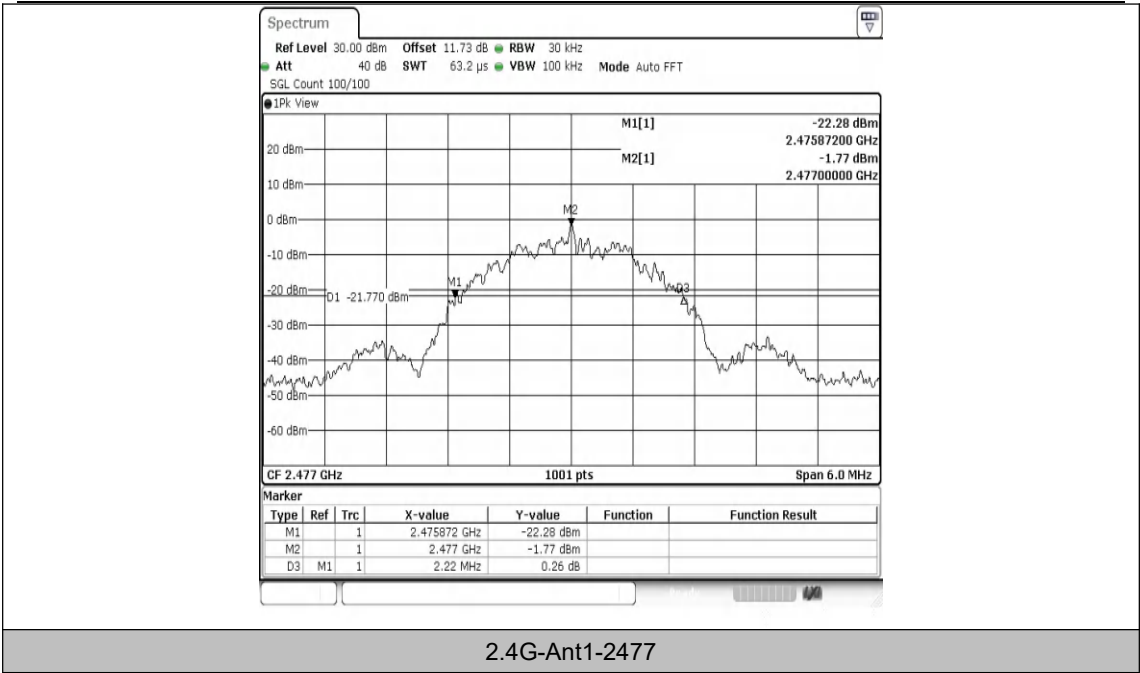
Test Graphs



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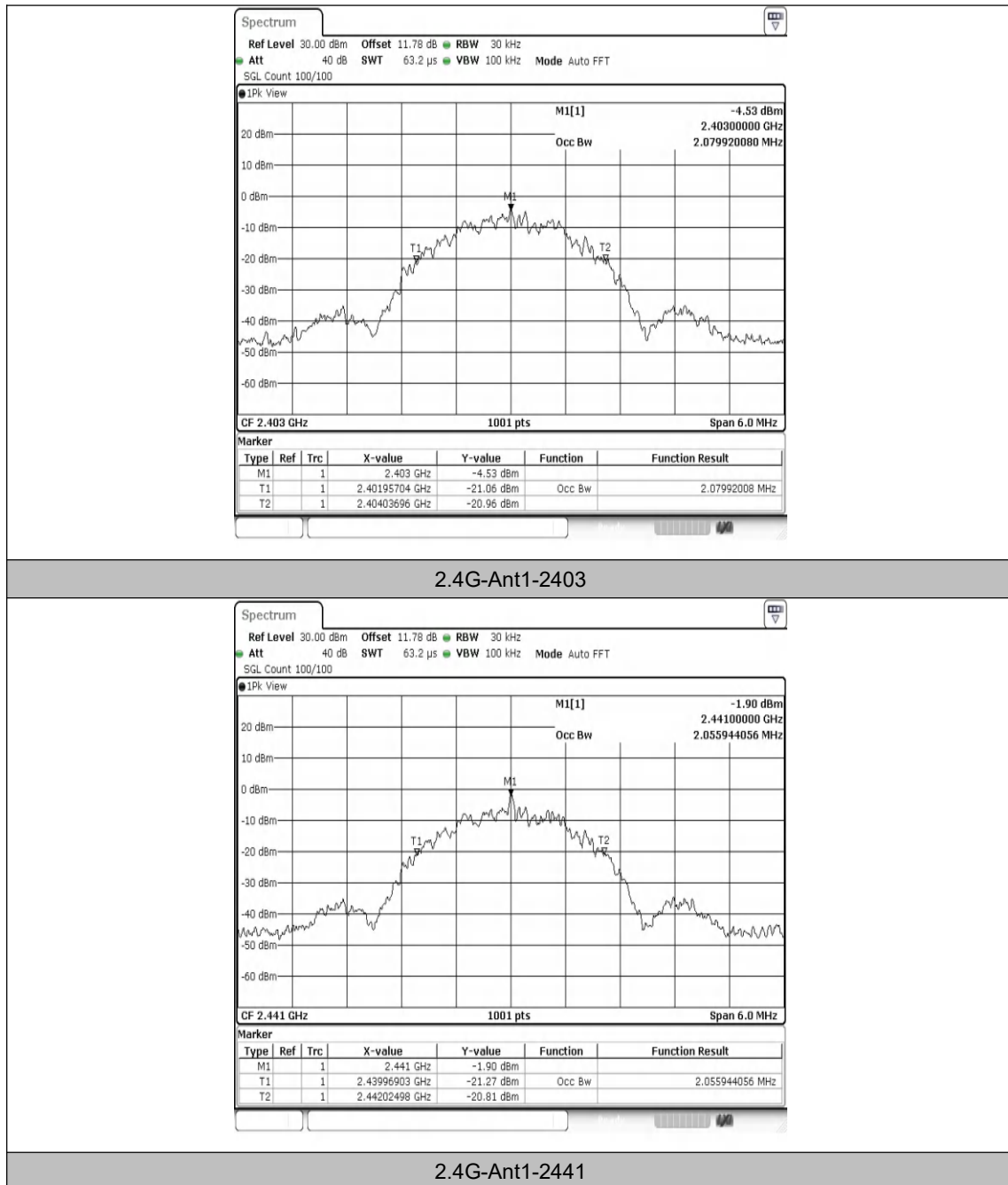
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.08	2401.9570	2404.0370	---	---
2.4G	Ant1	2441	2.056	2439.9690	2442.0250	---	---
2.4G	Ant1	2477	2.074	2475.9570	2478.0310	---	---

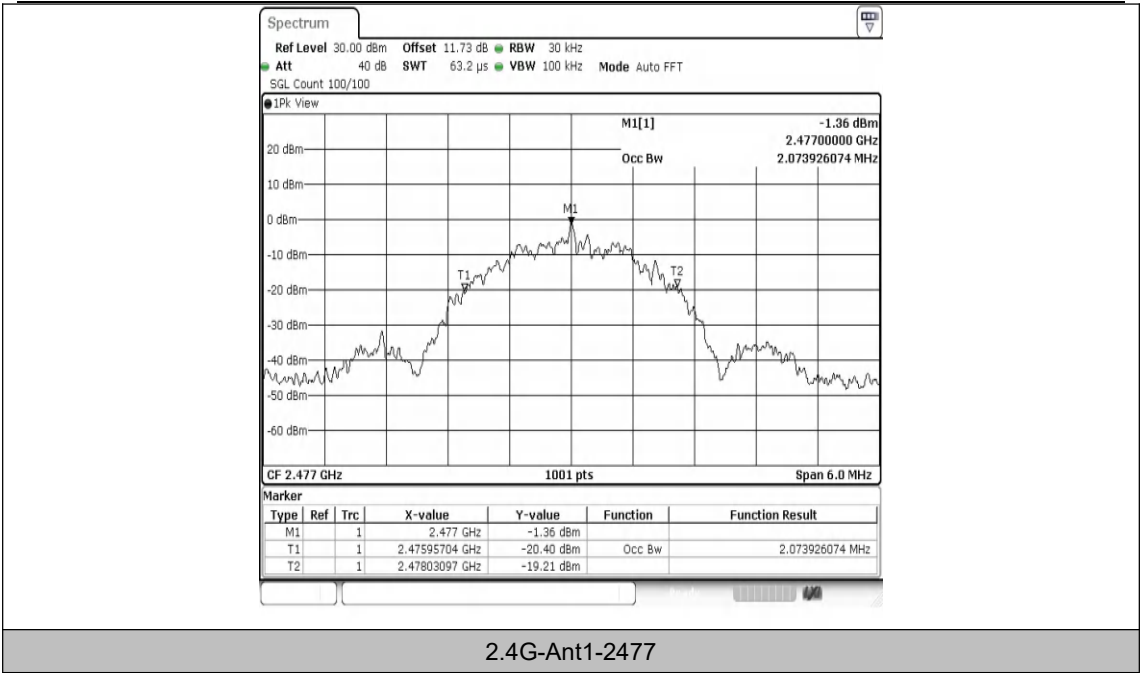
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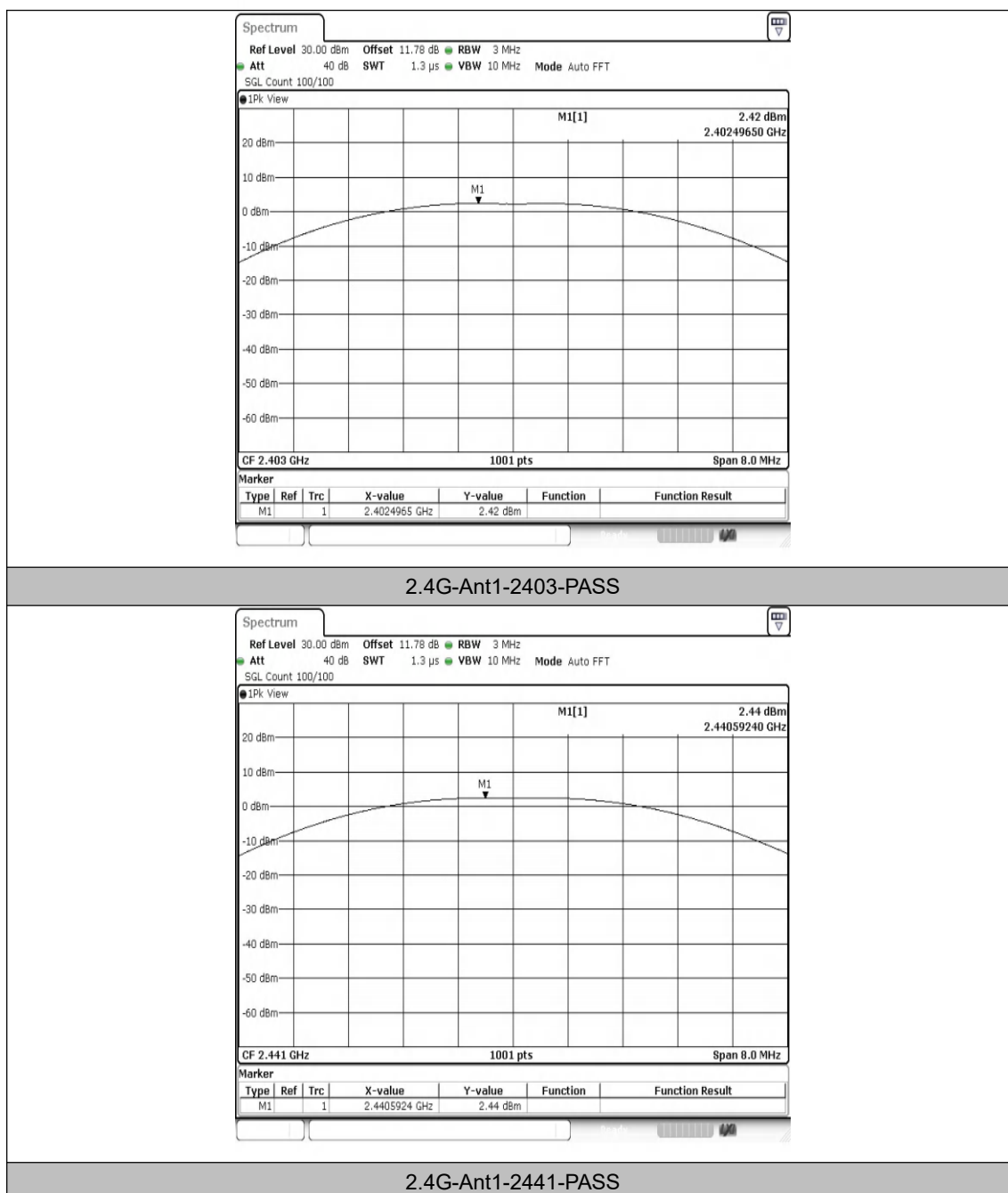
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Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	2.42	≤20.97	PASS
2.4G	Ant1	2441	2.44	≤20.97	PASS
2.4G	Ant1	2477	3.04	≤20.97	PASS

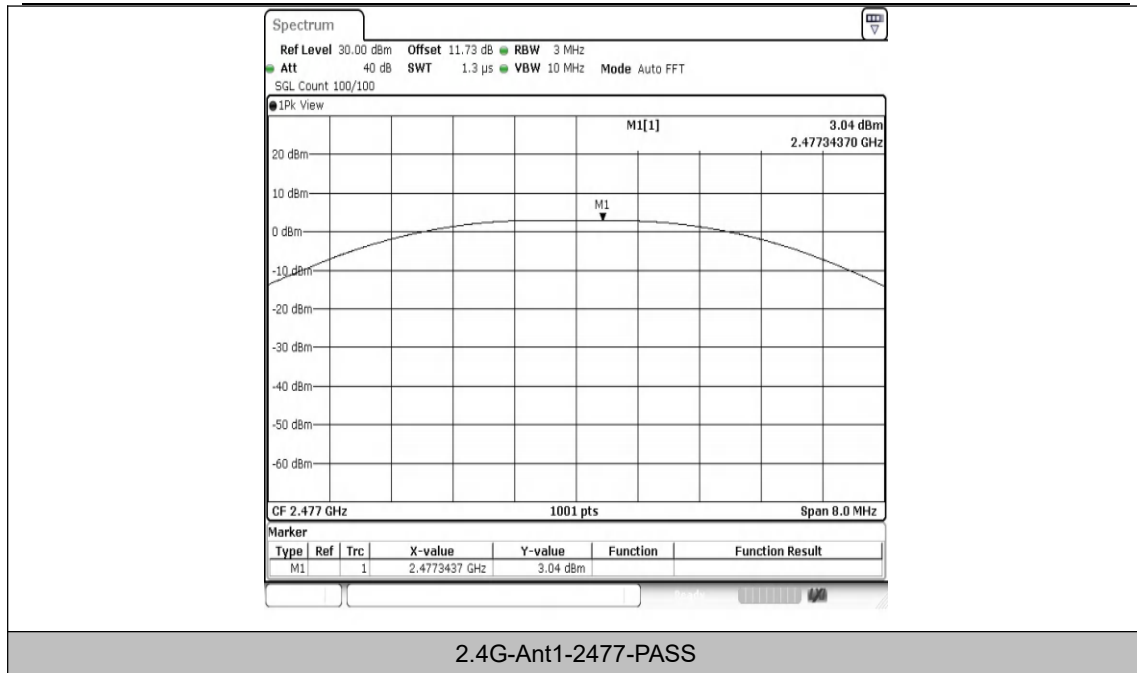
Test Graphs



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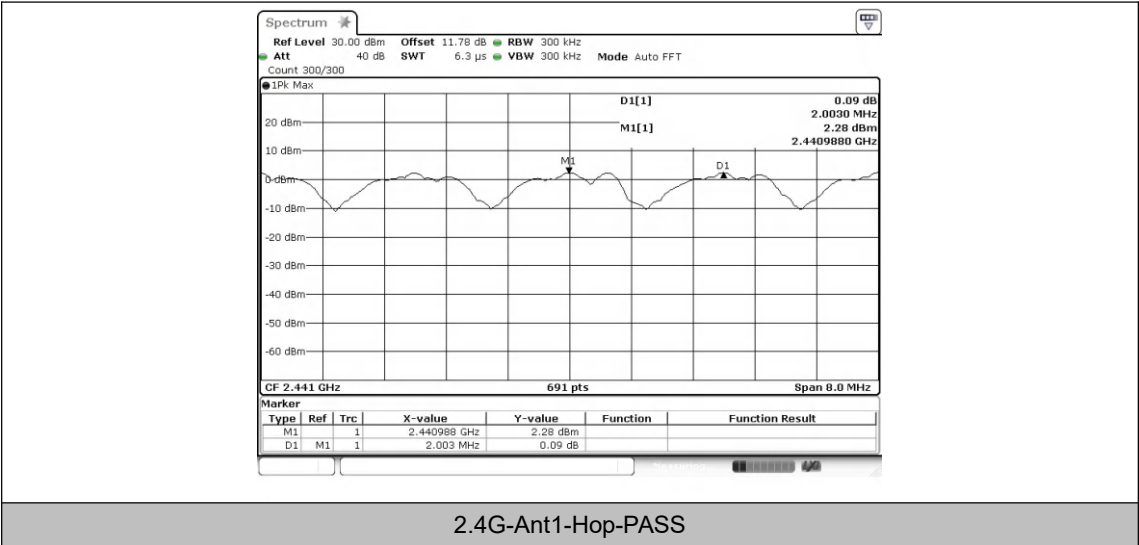
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.003	≥1.460	PASS

Test Graphs

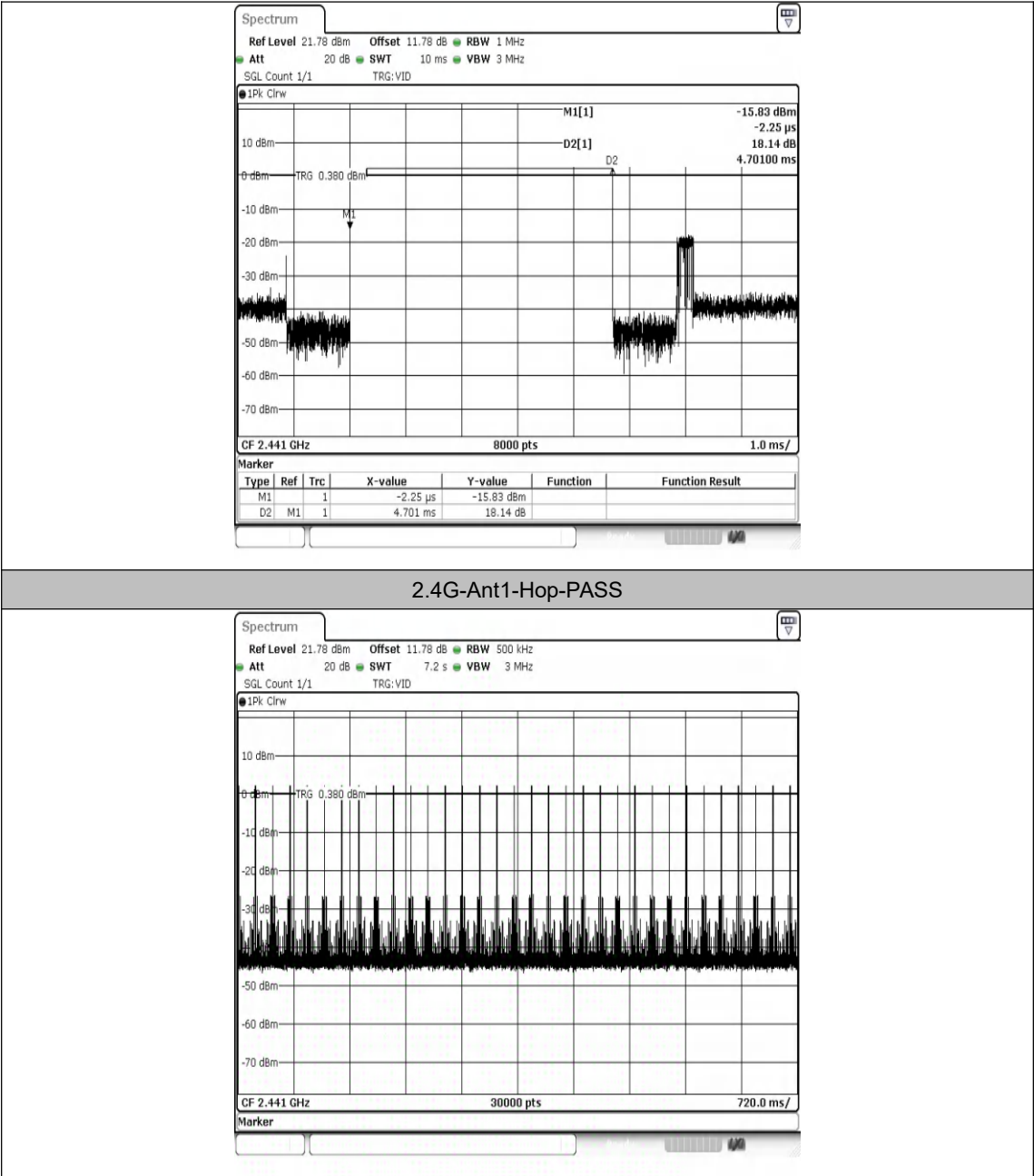


Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	4.701	33	0.155	≤0.4	PASS

Test Graphs

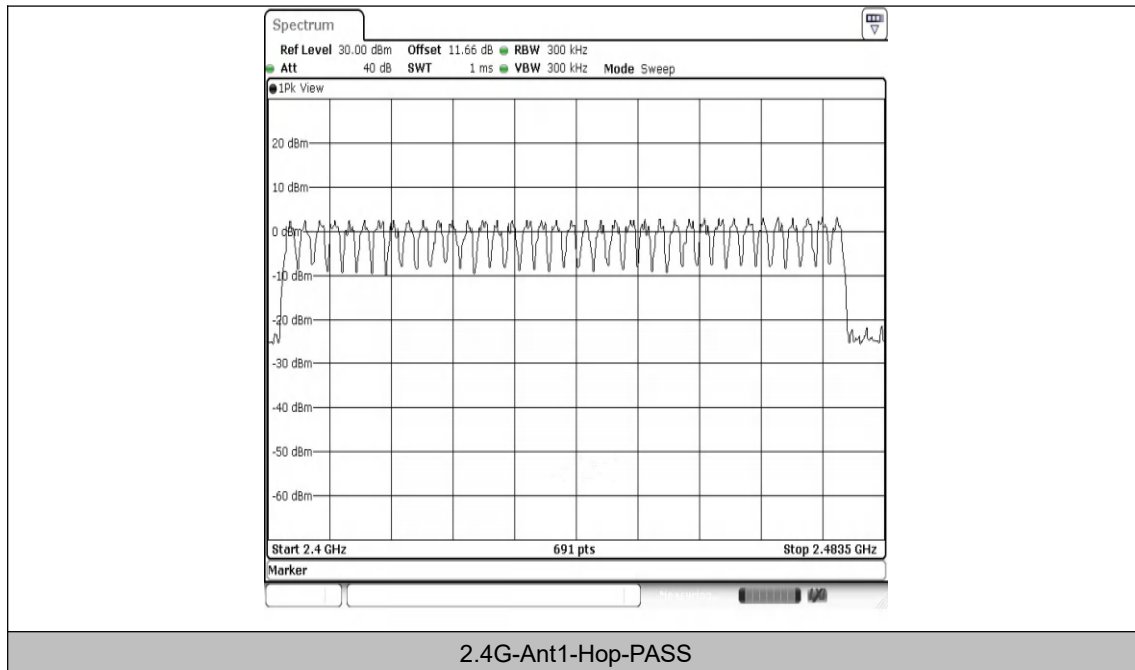


Appendix F: Number of Hopping Channel

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [Num]	Limit [Num]	Verdict
2.4G	Ant1	Hop	38	≥15	PASS

Test Graphs



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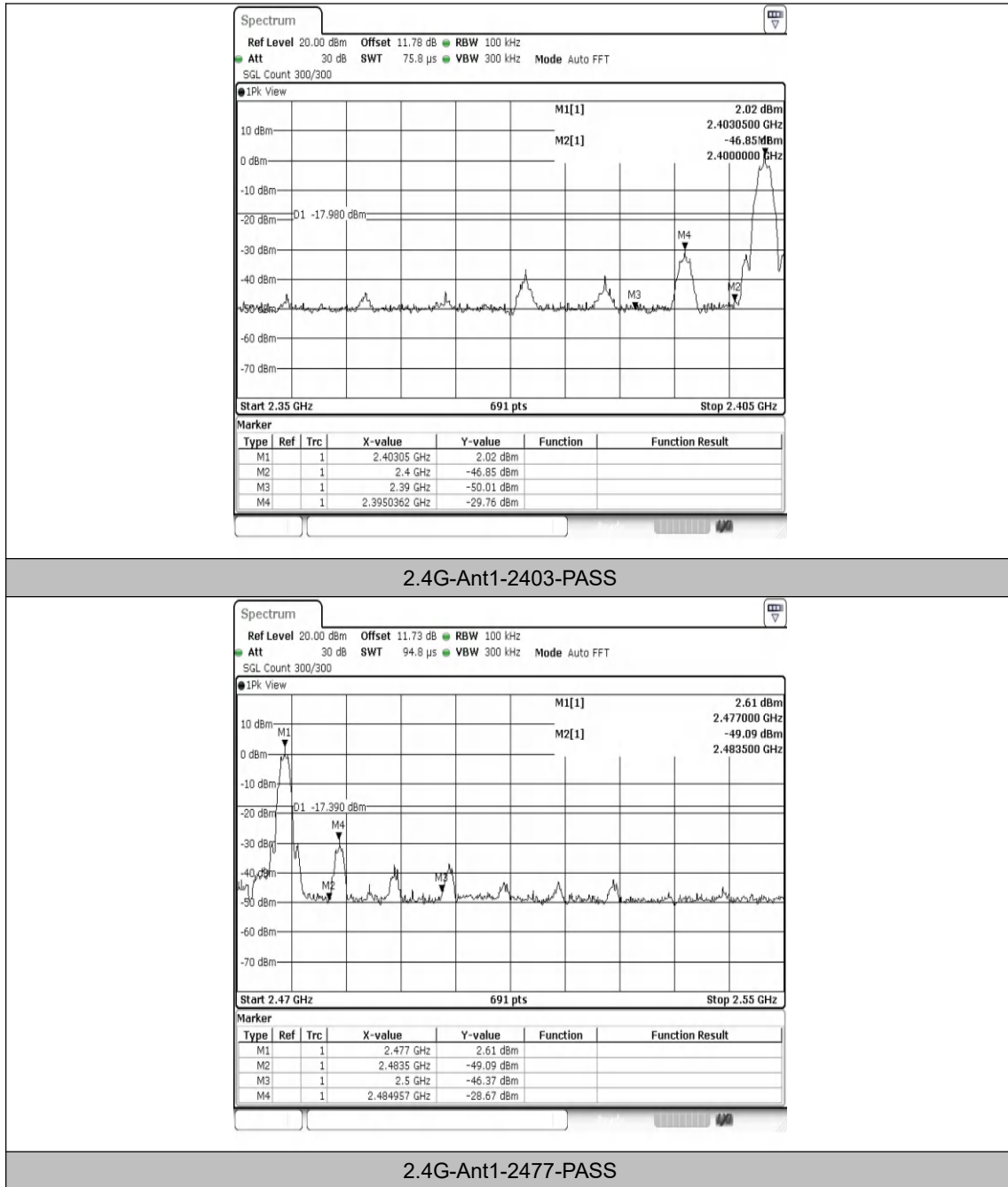
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Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	2.02	-29.76	≤-17.98	PASS
2.4G	Ant1	High	2477	2.61	-28.67	≤-17.39	PASS
2.4G	Ant1	Low	Hop_2403	2.02	-28.49	≤-17.98	PASS
2.4G	Ant1	High	Hop_2480	2.80	-27.17	≤-17.2	PASS

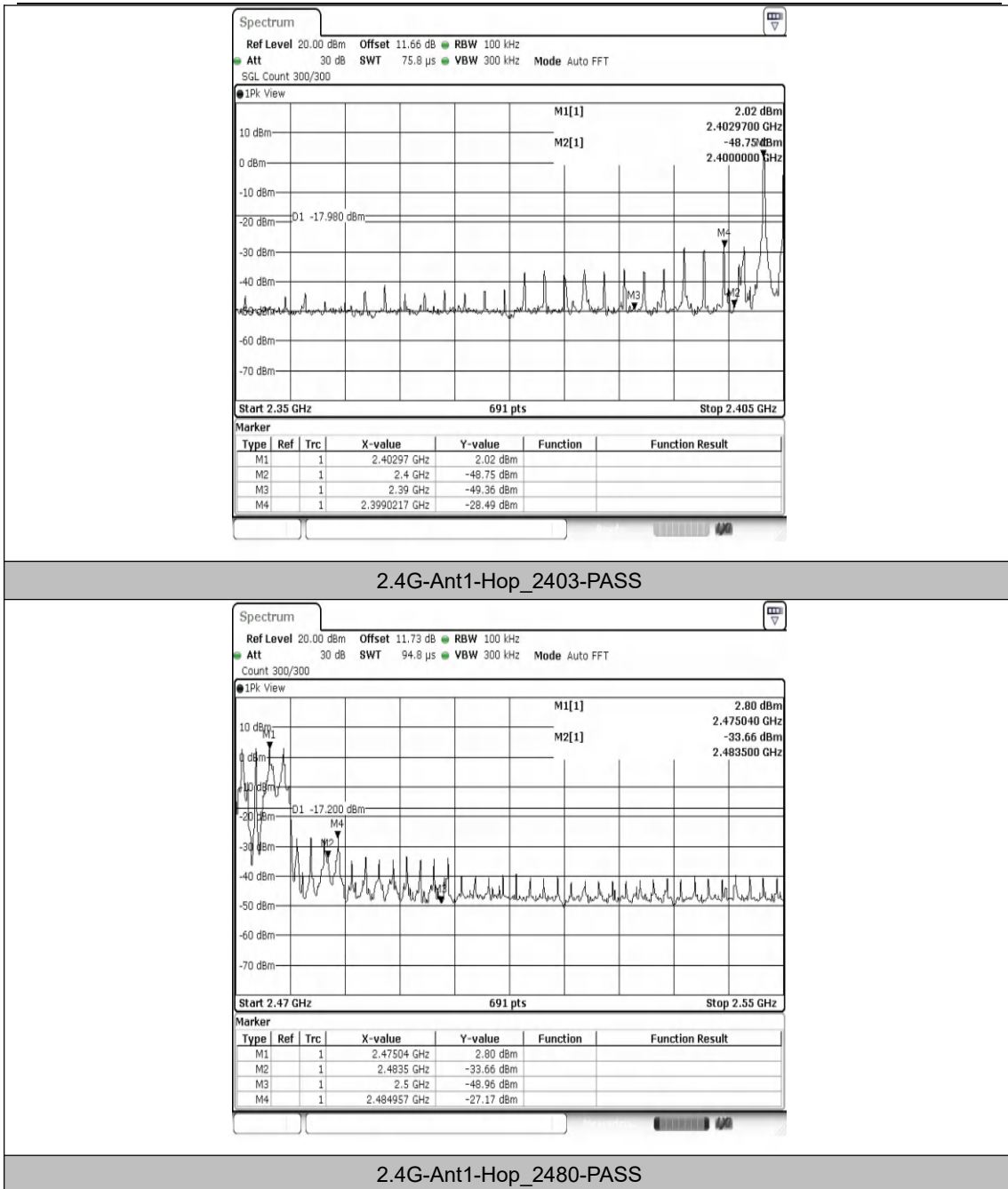
Test Graphs



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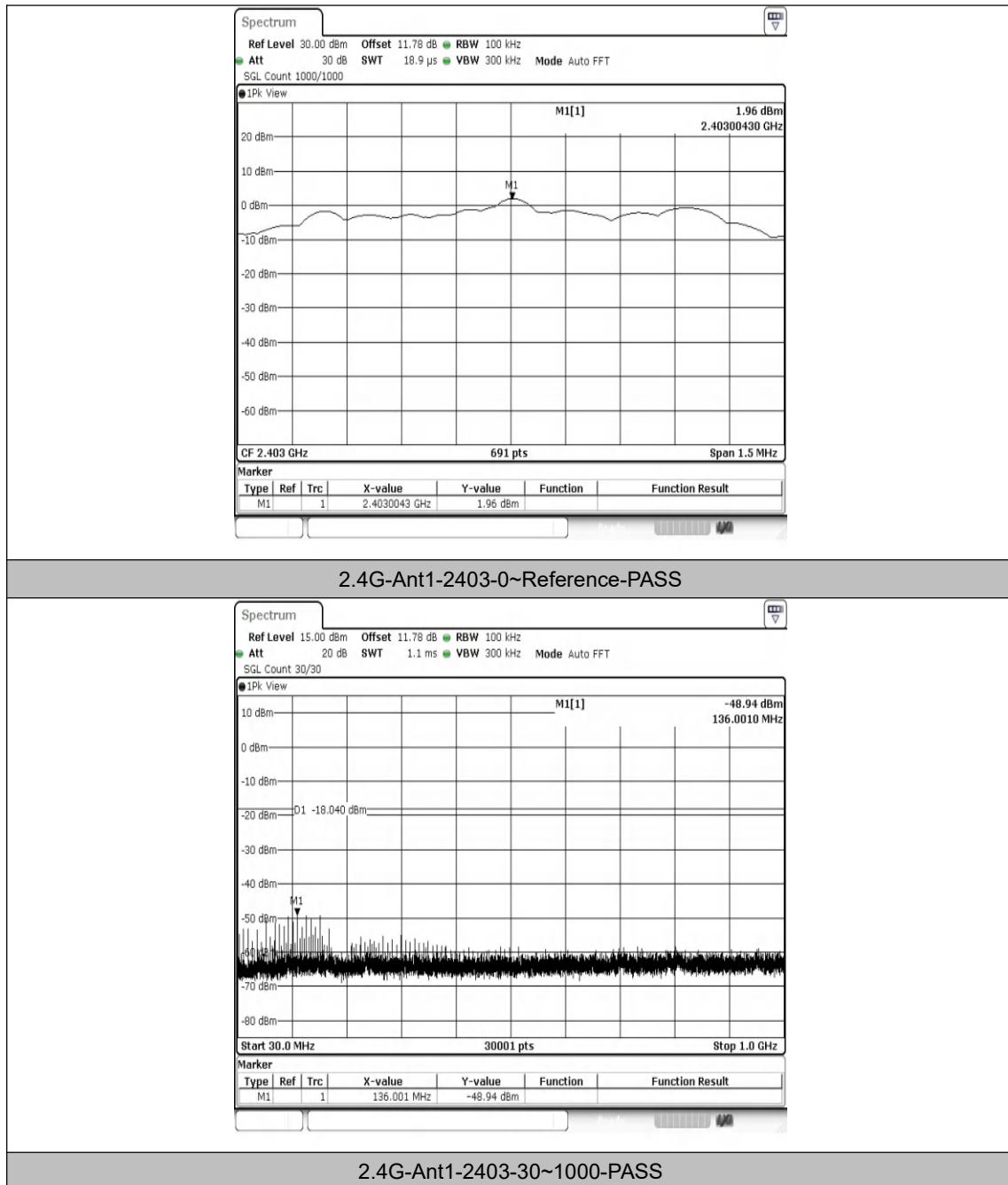


Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	0~Reference	1.96	1.96	---	PASS
2.4G	Ant1	2403	30~1000	1.96	-48.94	≤-18.04	PASS
2.4G	Ant1	2403	1000~26500	1.96	-40.94	≤-18.04	PASS
2.4G	Ant1	2441	0~Reference	2.12	2.12	---	PASS
2.4G	Ant1	2441	30~1000	2.12	-48.83	≤-17.88	PASS
2.4G	Ant1	2441	1000~26500	2.12	-39.26	≤-17.88	PASS
2.4G	Ant1	2477	0~Reference	2.68	2.68	---	PASS
2.4G	Ant1	2477	30~1000	2.68	-48.67	≤-17.32	PASS
2.4G	Ant1	2477	1000~26500	2.68	-41.92	≤-17.32	PASS

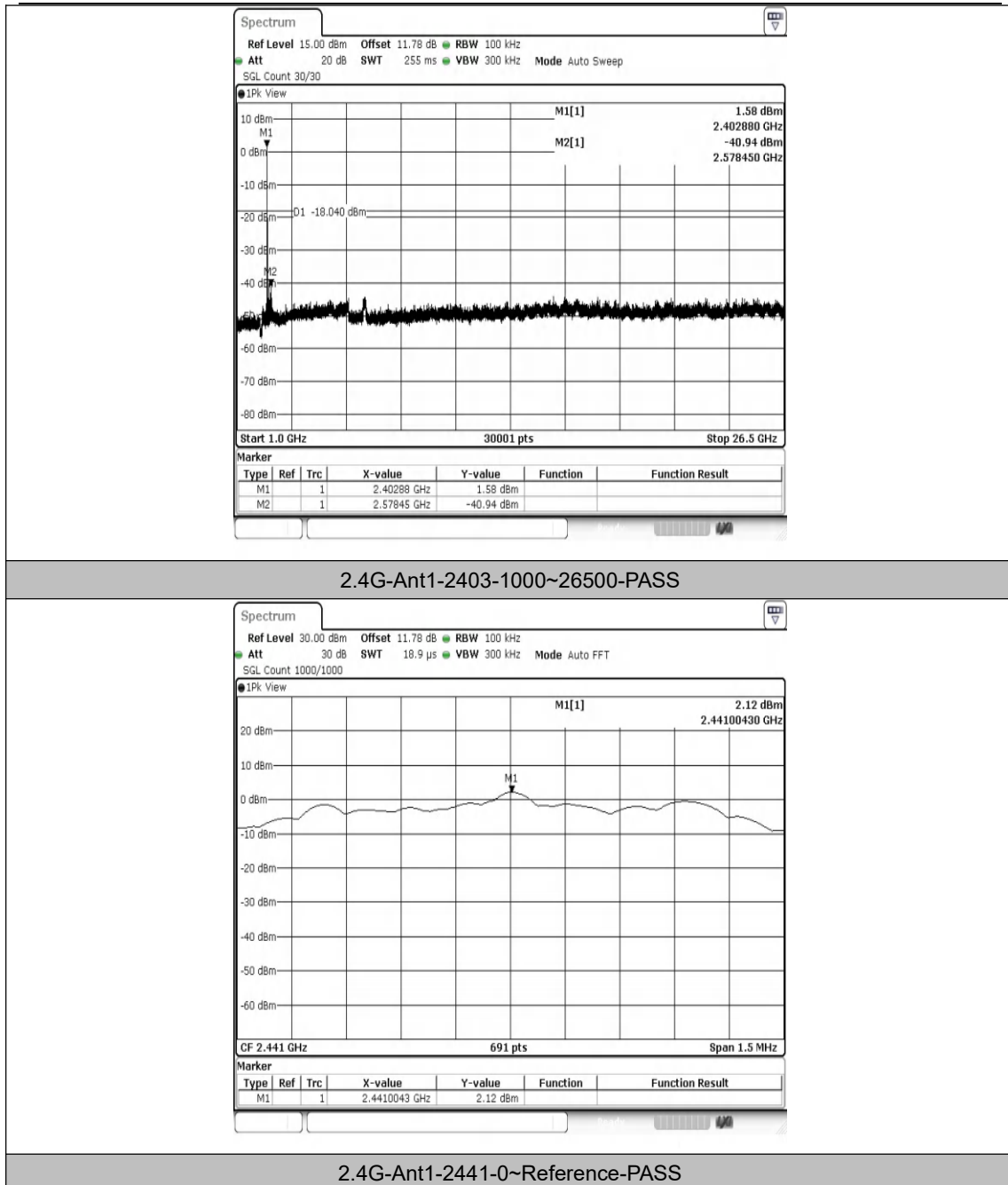
Test Graphs

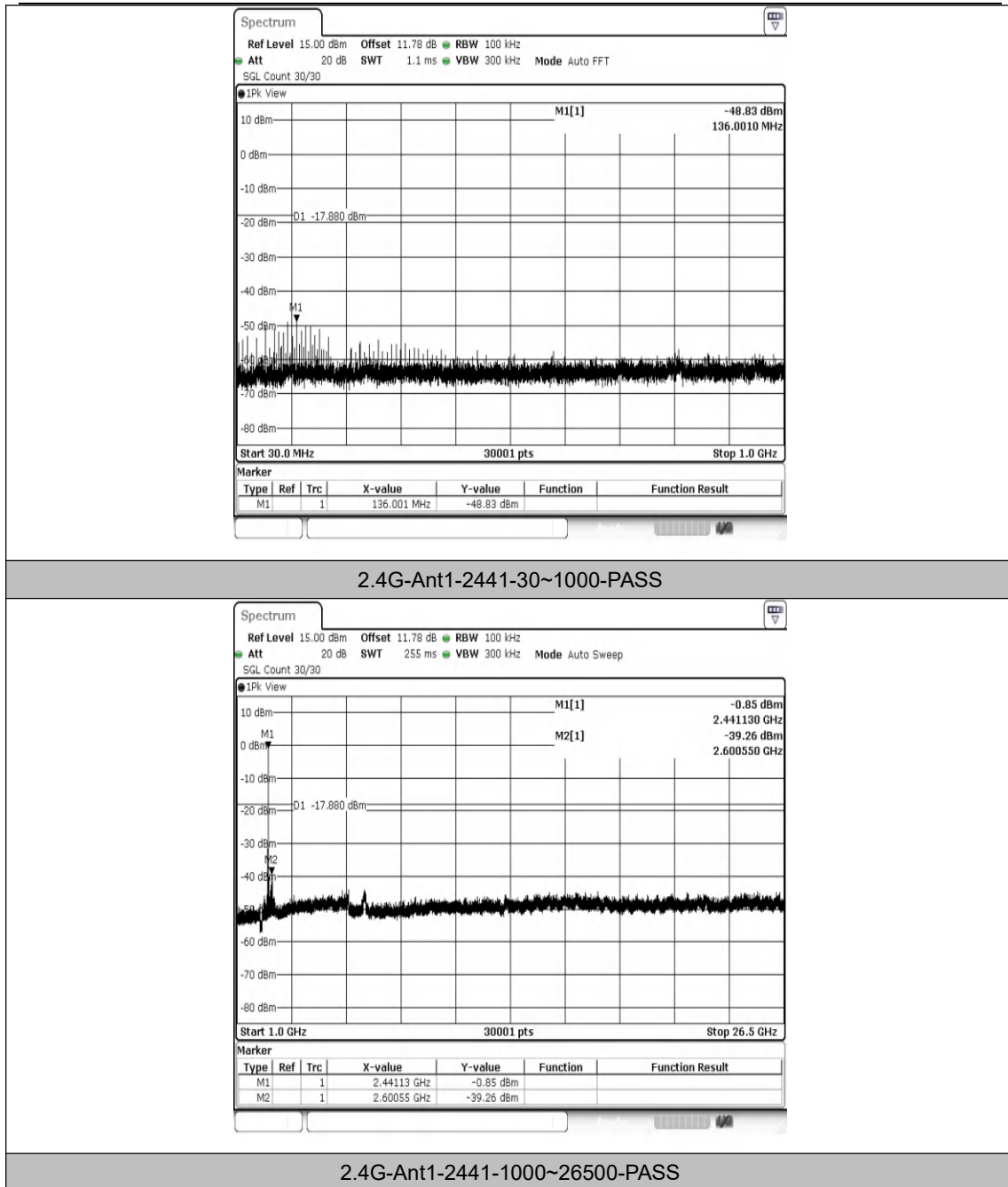


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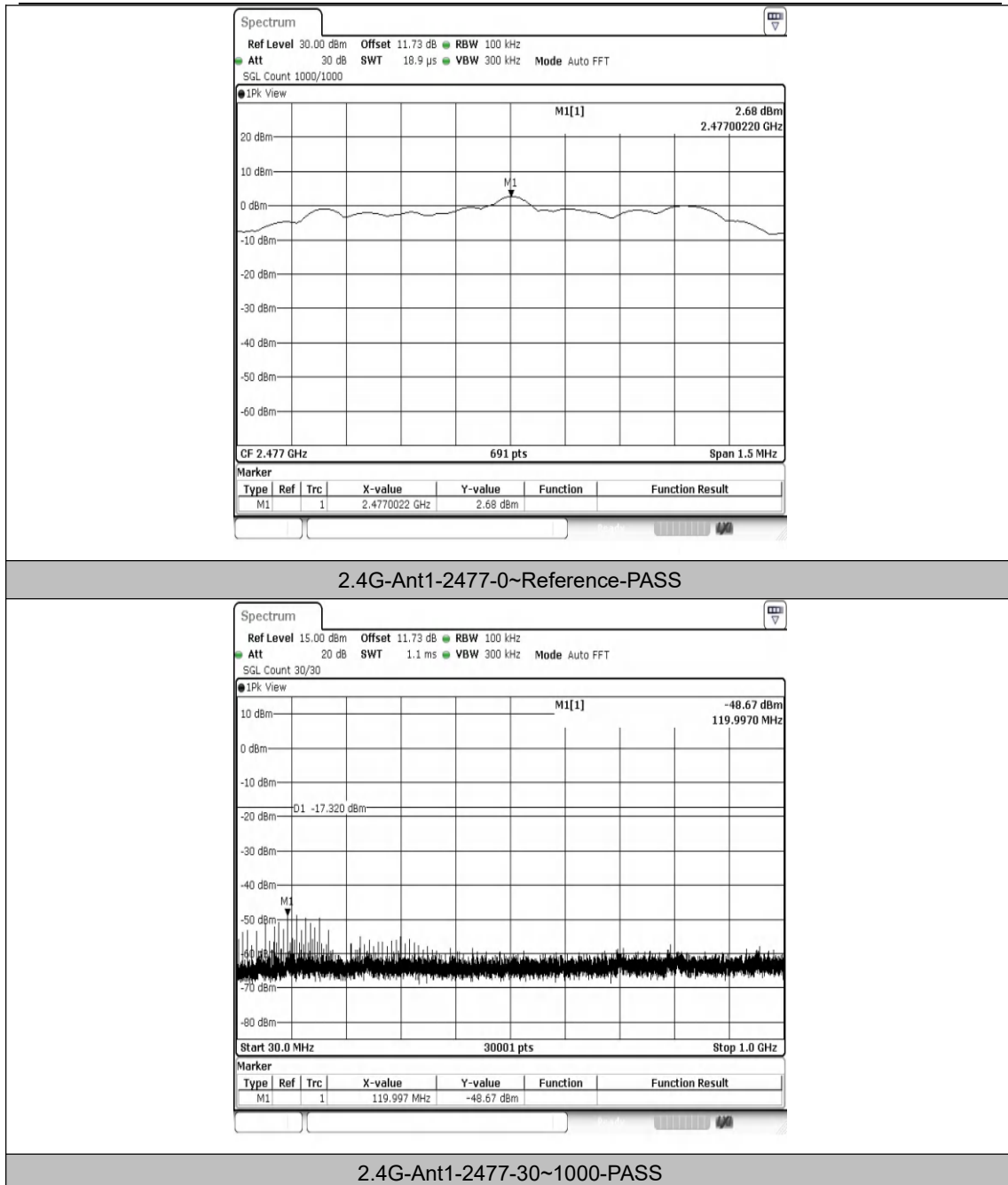




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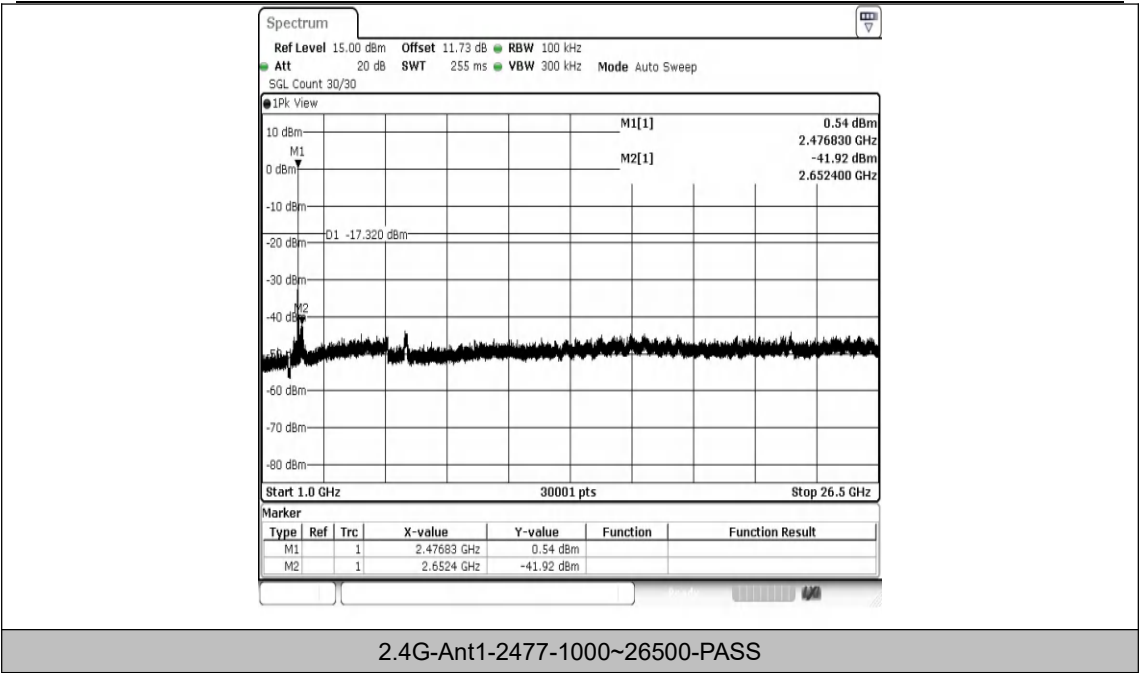
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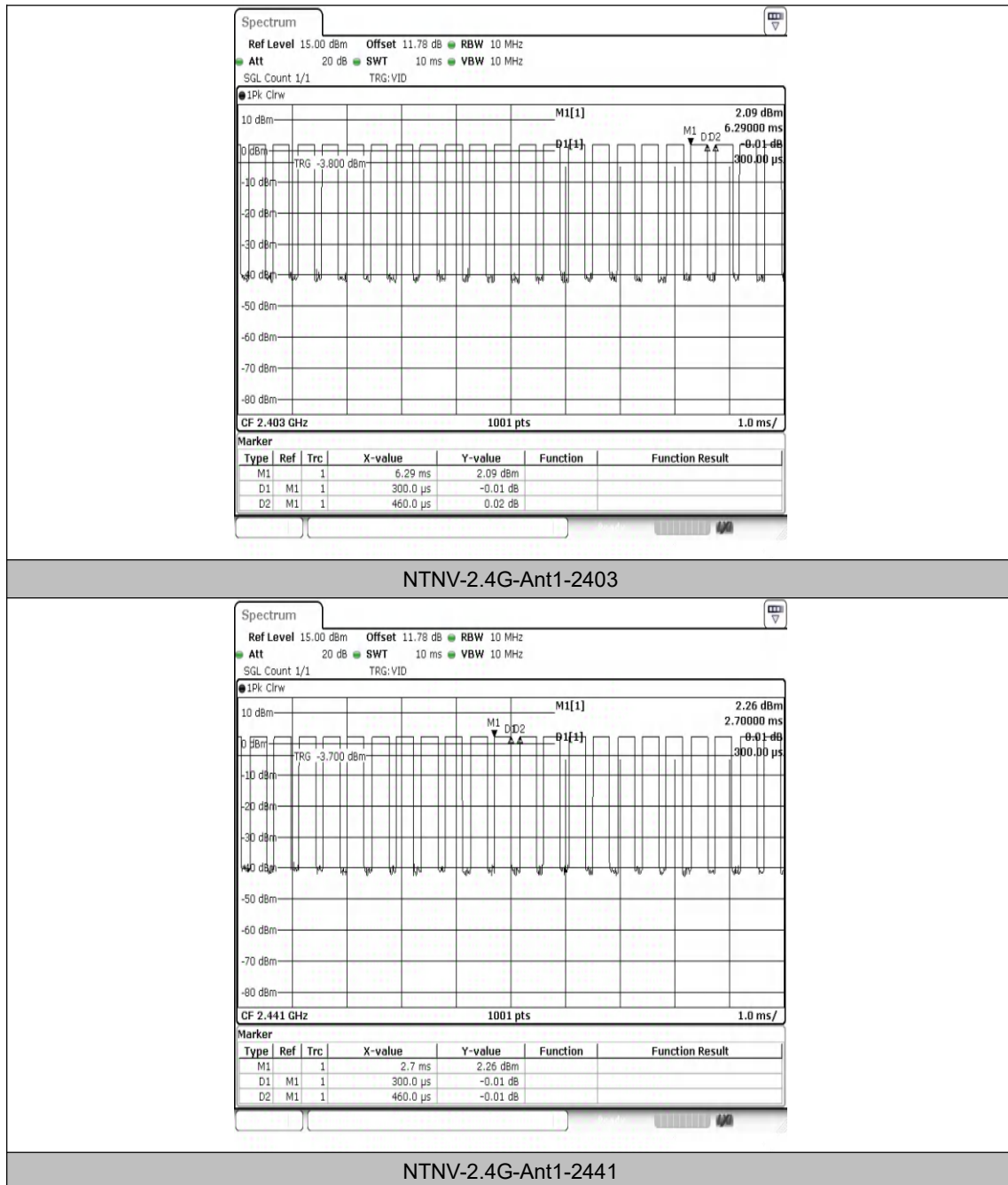
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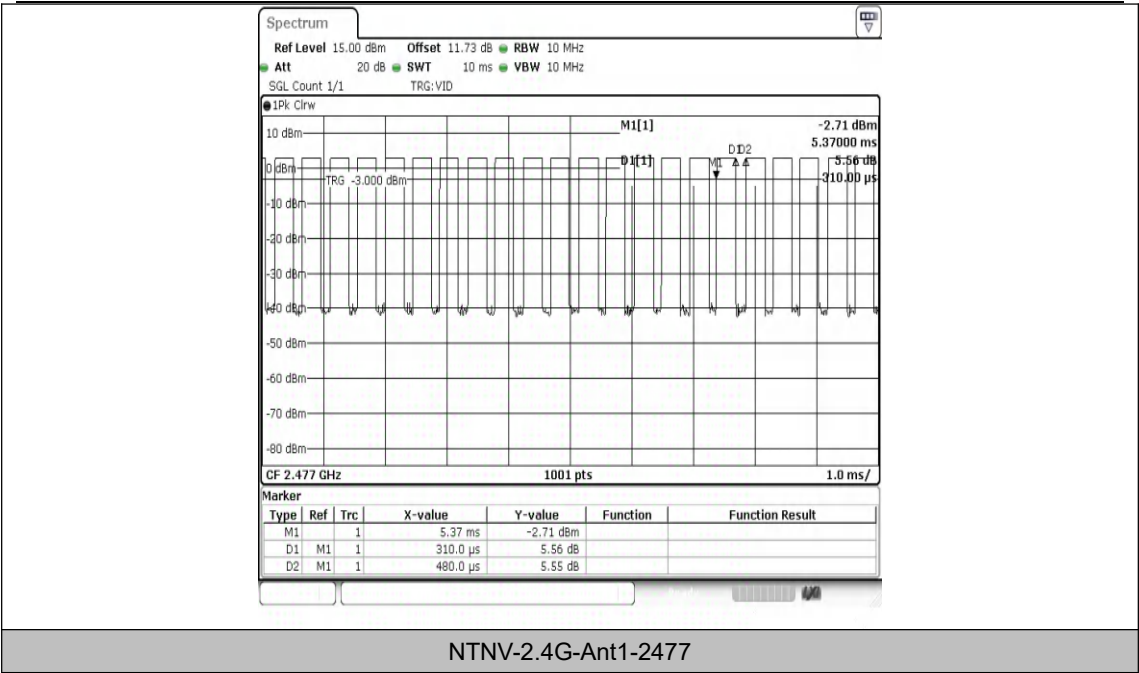
Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2403	0.30	0.46	65.22	1.86
2.4G	Ant1	2441	0.30	0.46	65.22	1.86
2.4G	Ant1	2477	0.31	0.48	64.58	1.90

Test Graphs





---End---