

Appendix Test Data

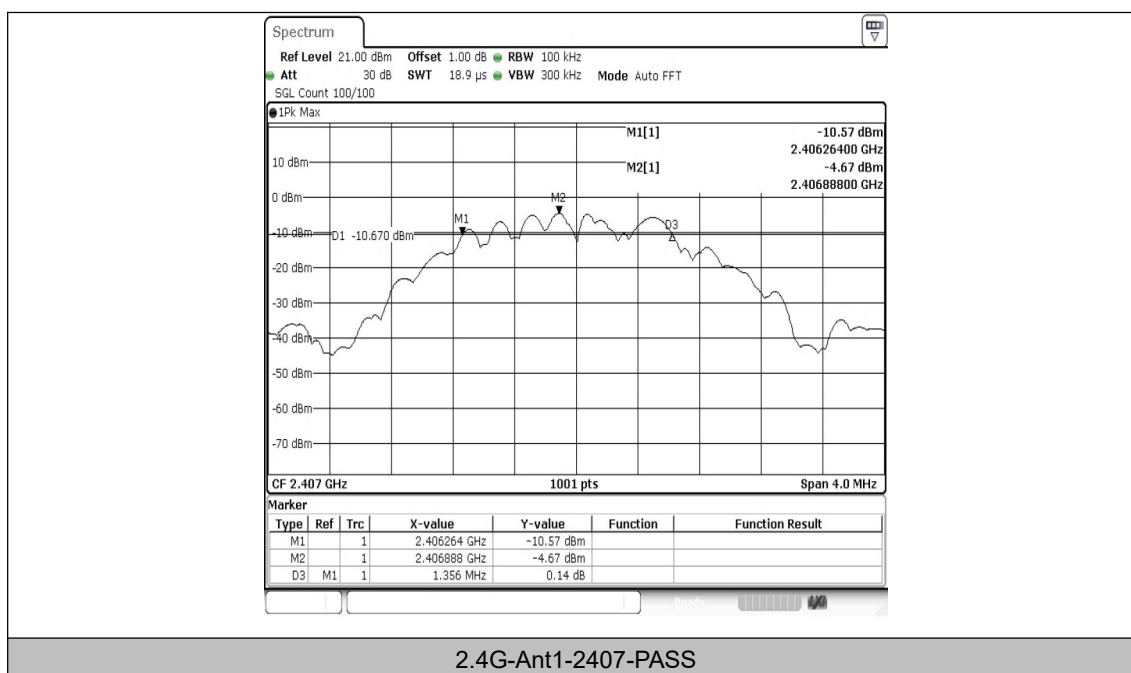
Report No.:	1812C50379412502	Test Sample No.:	1-2-2
Start Test Date:	2025-8-1	Finish Test Date:	2025-9-1
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26.9°C	Relative Humidity:	50%
Pressure:	101kPa		

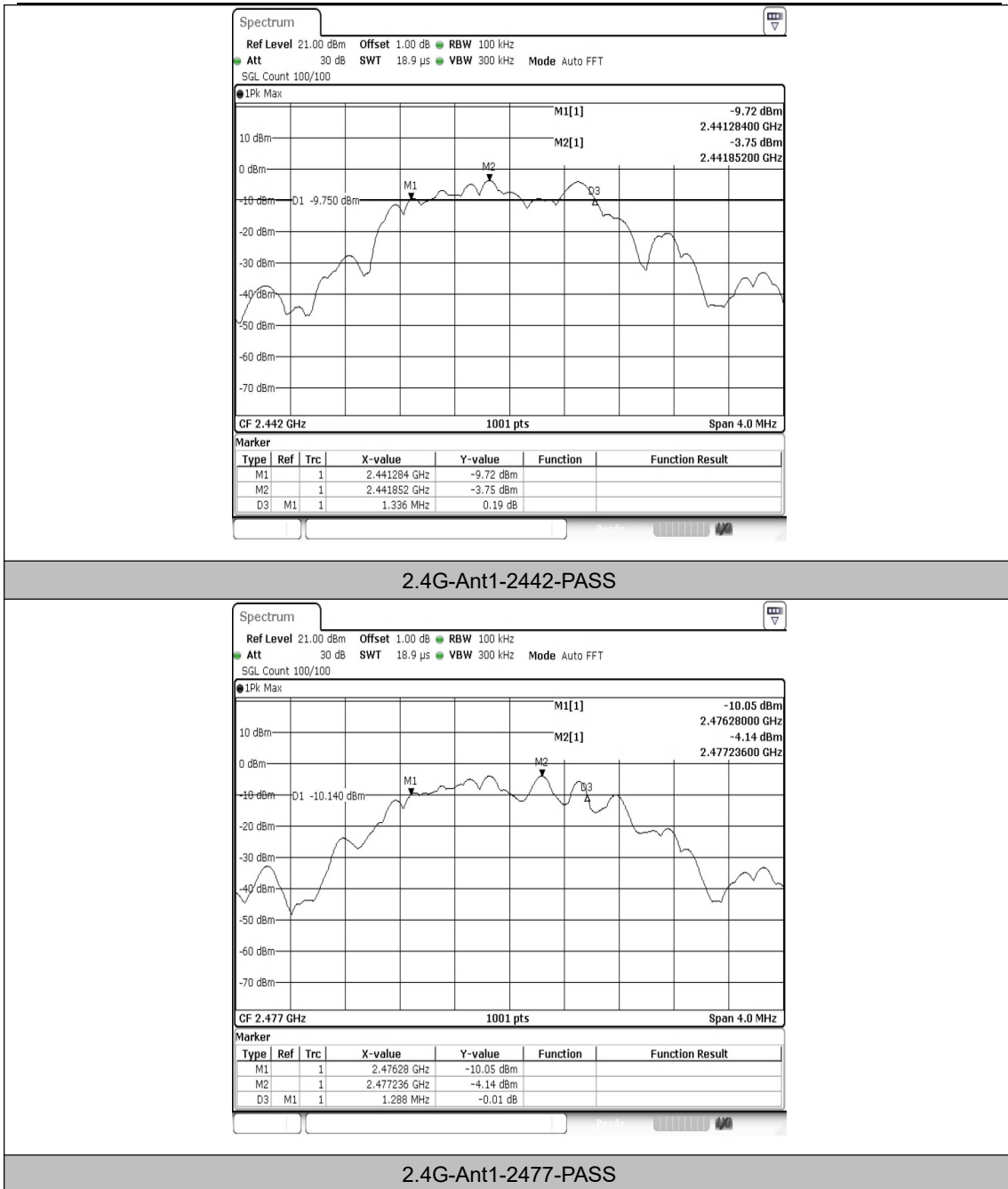
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2407	1.36	2406.26	2407.62	0.5	PASS
2.4G	Ant1	2442	1.34	2441.28	2442.62	0.5	PASS
2.4G	Ant1	2477	1.29	2476.28	2477.57	0.5	PASS

Test Graphs





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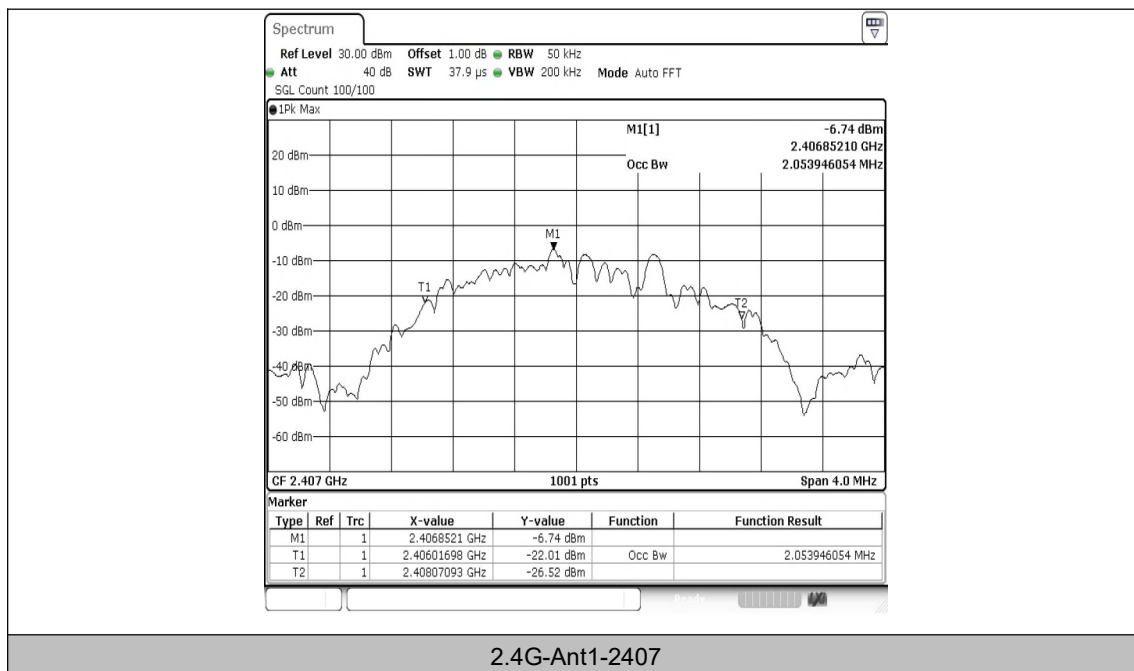
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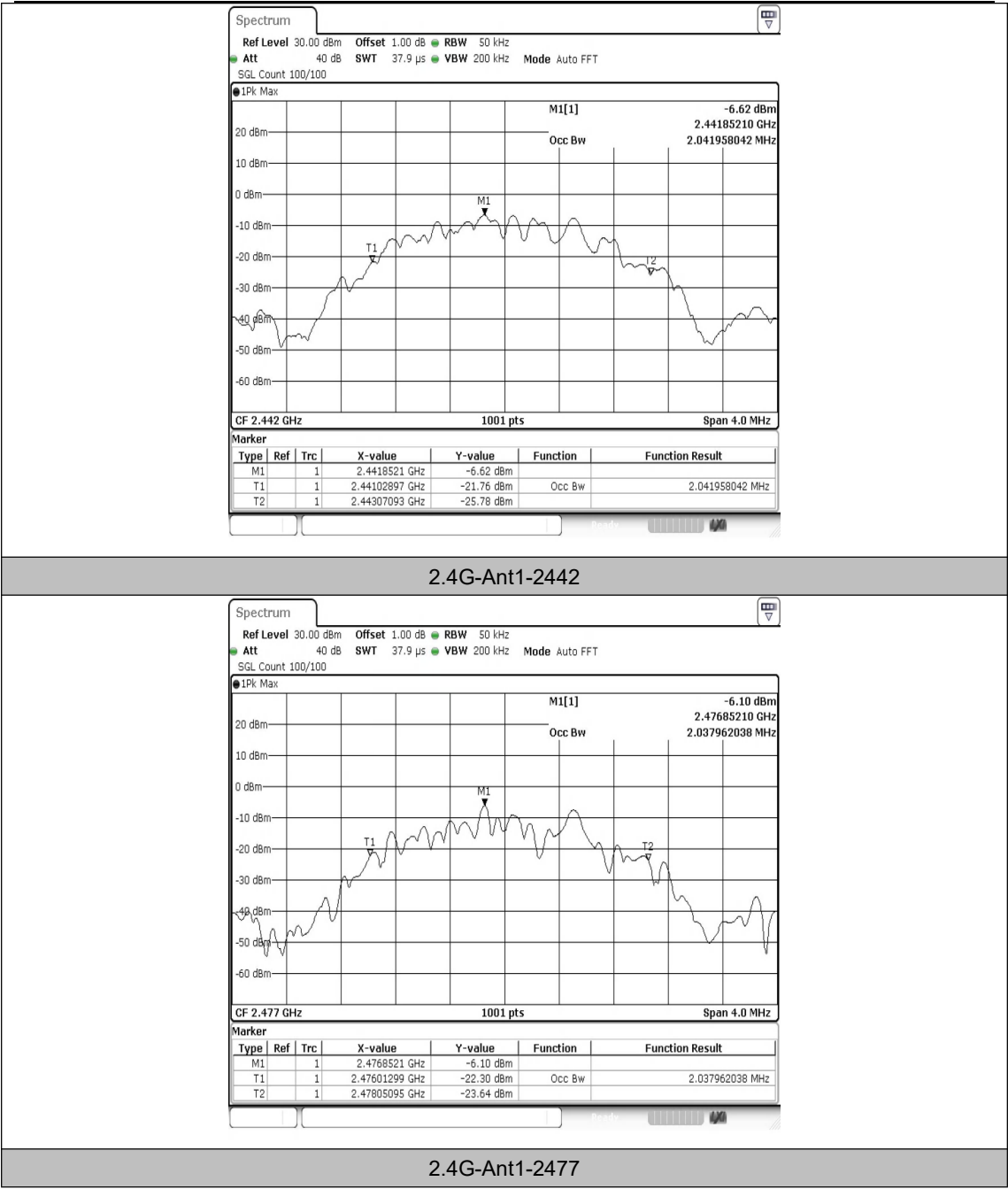
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2407	2.0539	2406.0170	2408.0709	---	---
2.4G	Ant1	2442	2.0420	2441.0290	2443.0709	---	---
2.4G	Ant1	2477	2.0380	2476.0130	2478.0509	---	---

Test Graphs



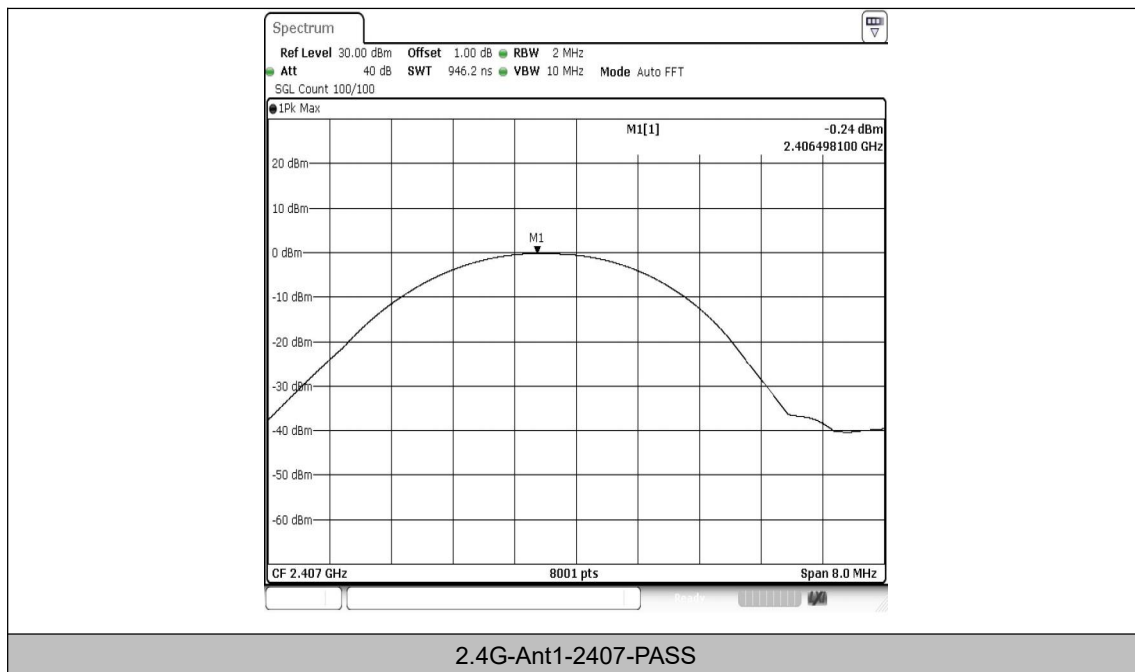


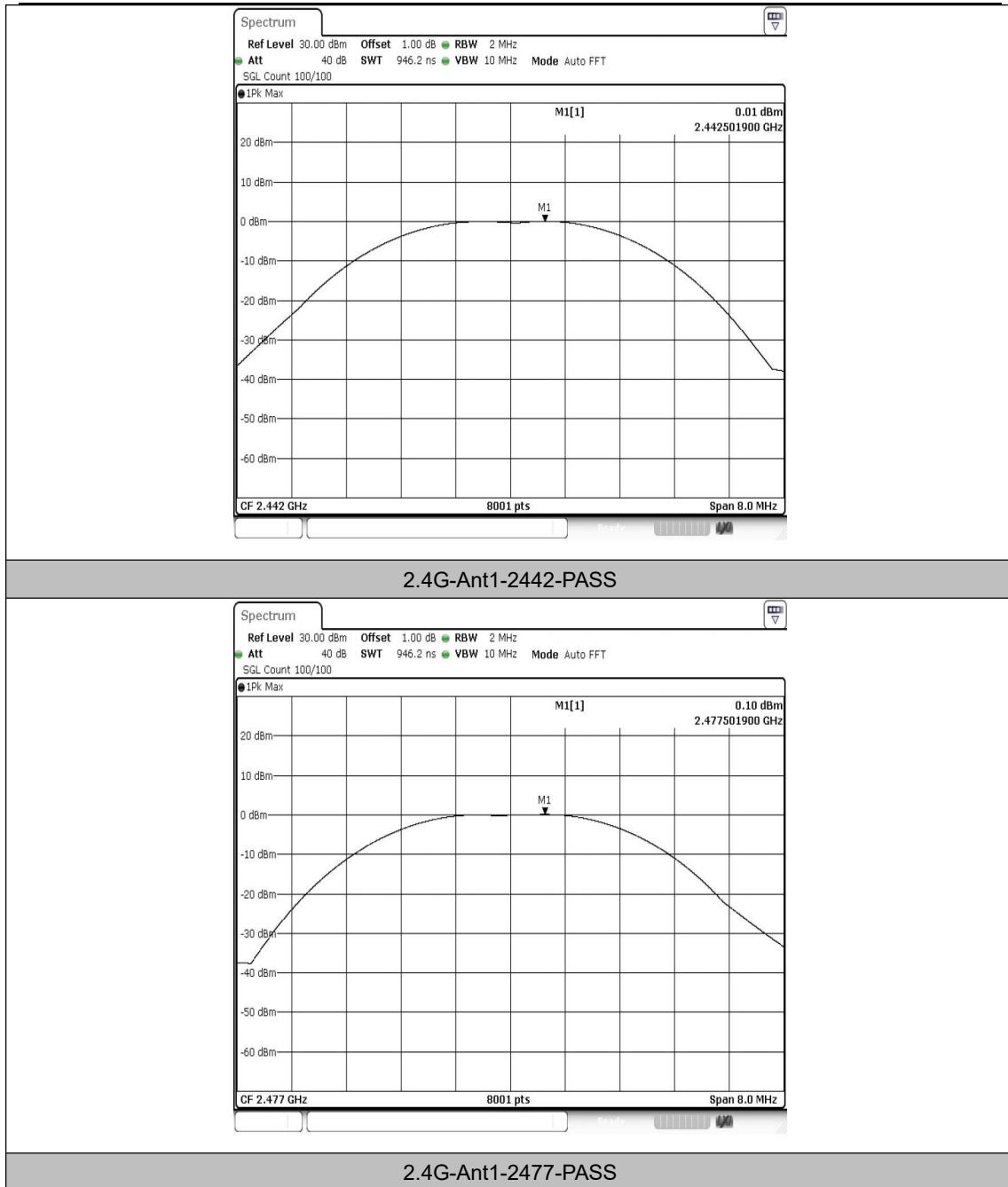
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2407	-0.24	≤30	PASS
2.4G	Ant1	2442	0.01	≤30	PASS
2.4G	Ant1	2477	0.10	≤30	PASS

Test Graphs Peak





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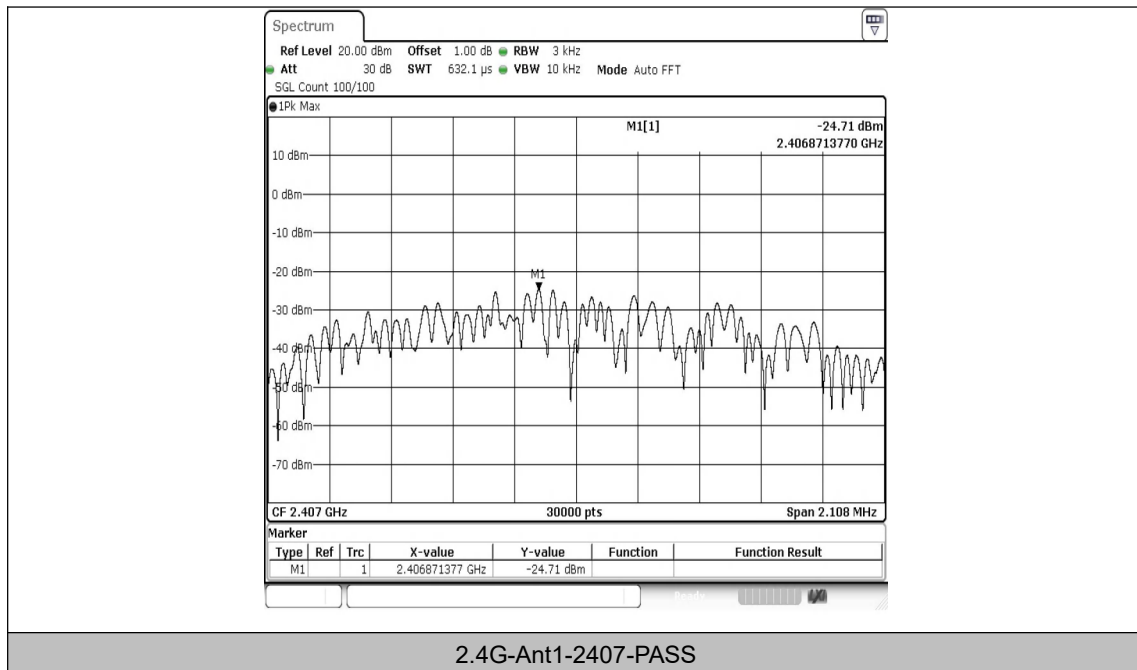
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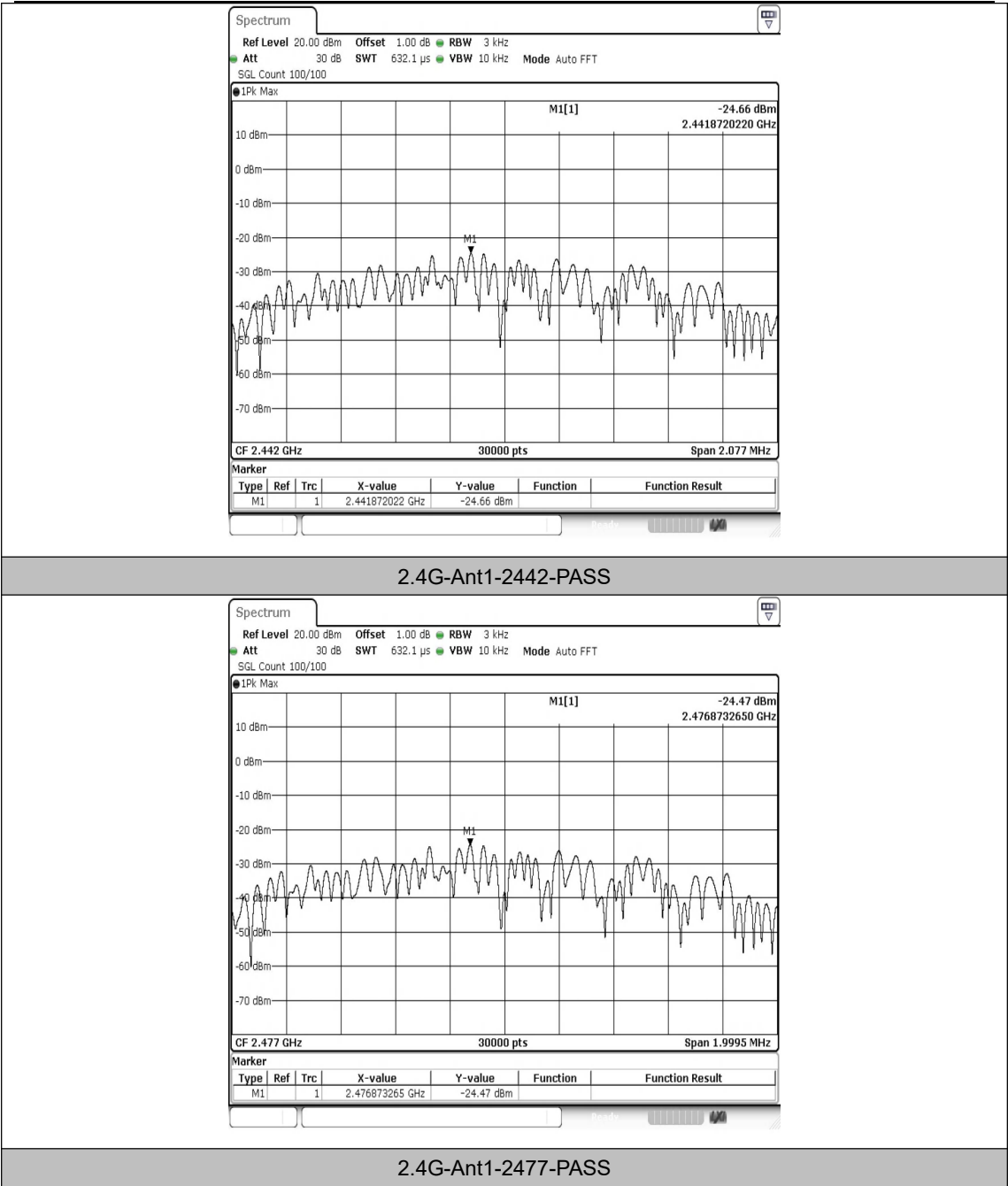
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4G	Ant1	2407	-24.71	≤8.00	PASS
2.4G	Ant1	2442	-24.66	≤8.00	PASS
2.4G	Ant1	2477	-24.47	≤8.00	PASS

Test Graphs





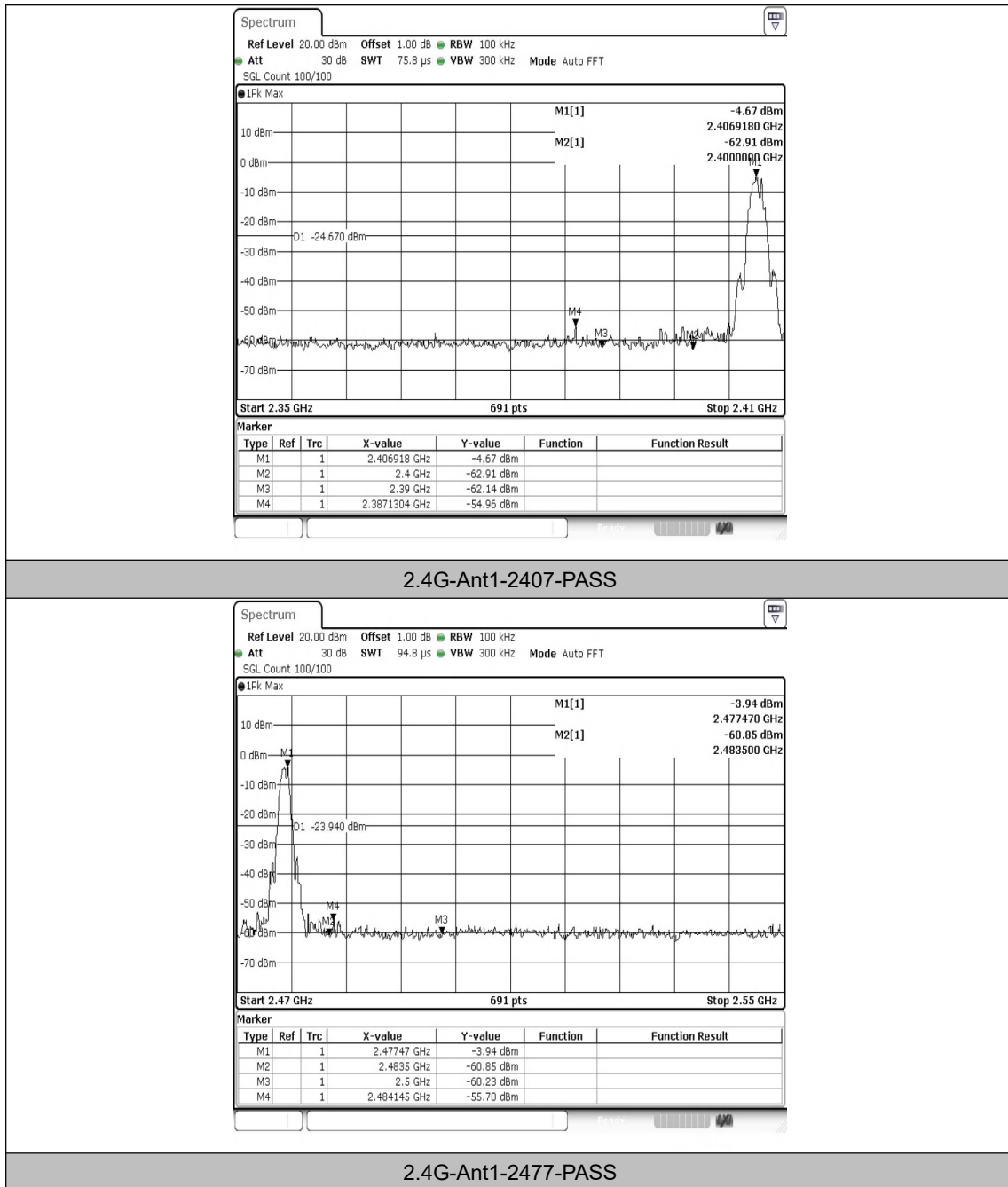
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2407	-4.67	-54.96	≤-24.67	PASS
2.4G	Ant1	High	2477	-3.94	-55.7	≤-23.94	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



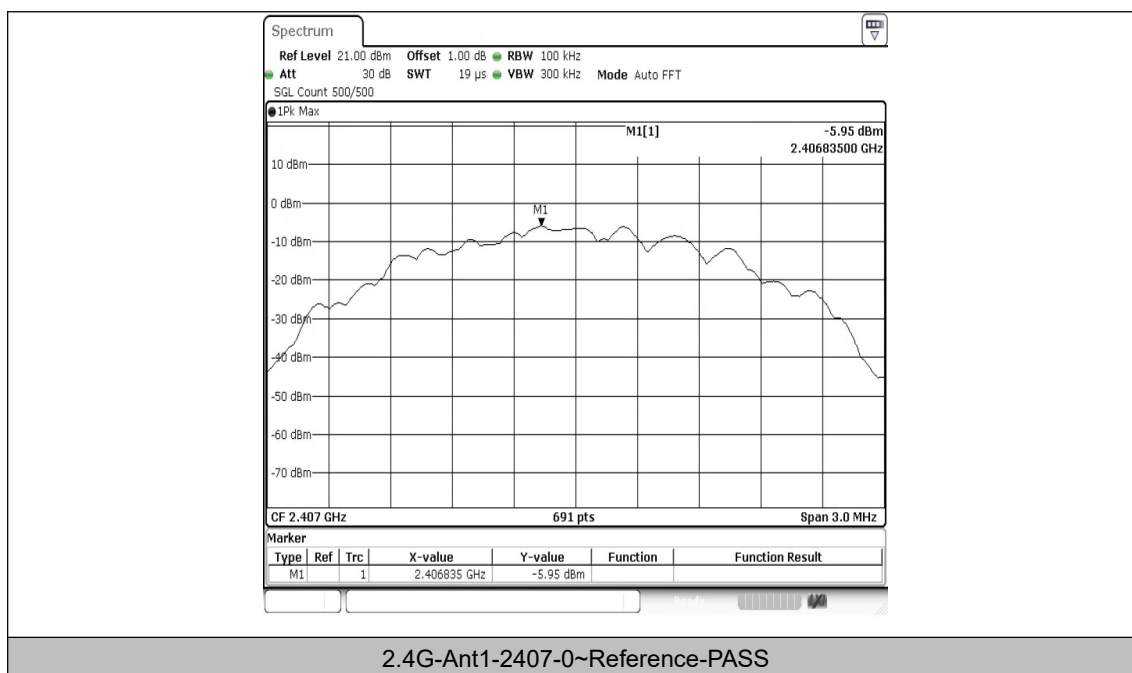
Appendix F: Conducted Spurious Emission

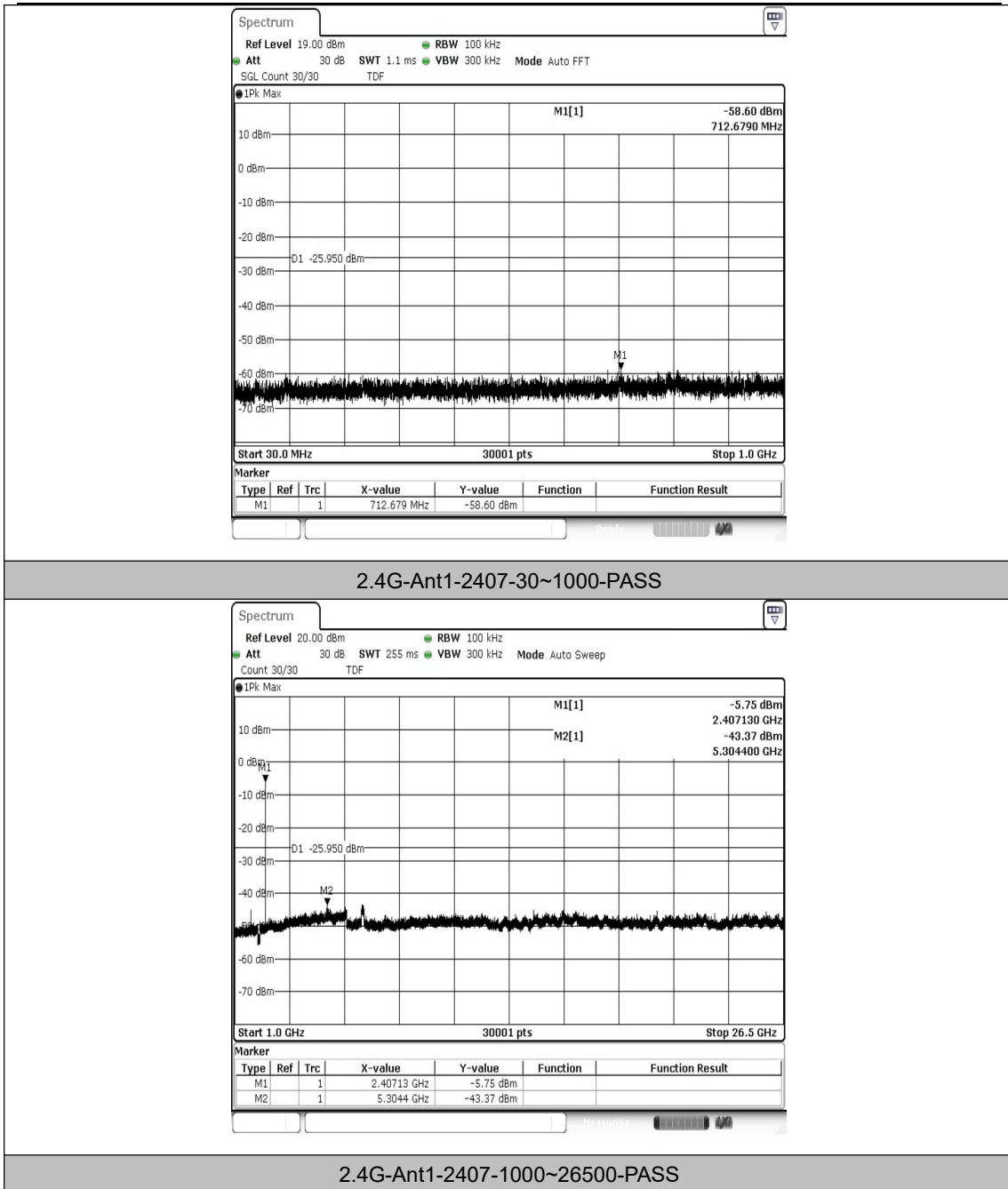
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2407	0~Reference	-5.95	-5.95	---	PASS
2.4G	Ant1	2407	30~1000	-5.95	-58.6	≤-25.95	PASS
2.4G	Ant1	2407	1000~26500	-5.95	-43.37	≤-25.95	PASS
2.4G	Ant1	2442	0~Reference	-3.20	-3.20	---	PASS
2.4G	Ant1	2442	30~1000	-3.20	-58.5	≤-23.2	PASS
2.4G	Ant1	2442	1000~26500	-3.20	-43.59	≤-23.2	PASS
2.4G	Ant1	2477	0~Reference	-3.16	-3.16	---	PASS
2.4G	Ant1	2477	30~1000	-3.16	-57.87	≤-23.16	PASS
2.4G	Ant1	2477	1000~26500	-3.16	-43.31	≤-23.16	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

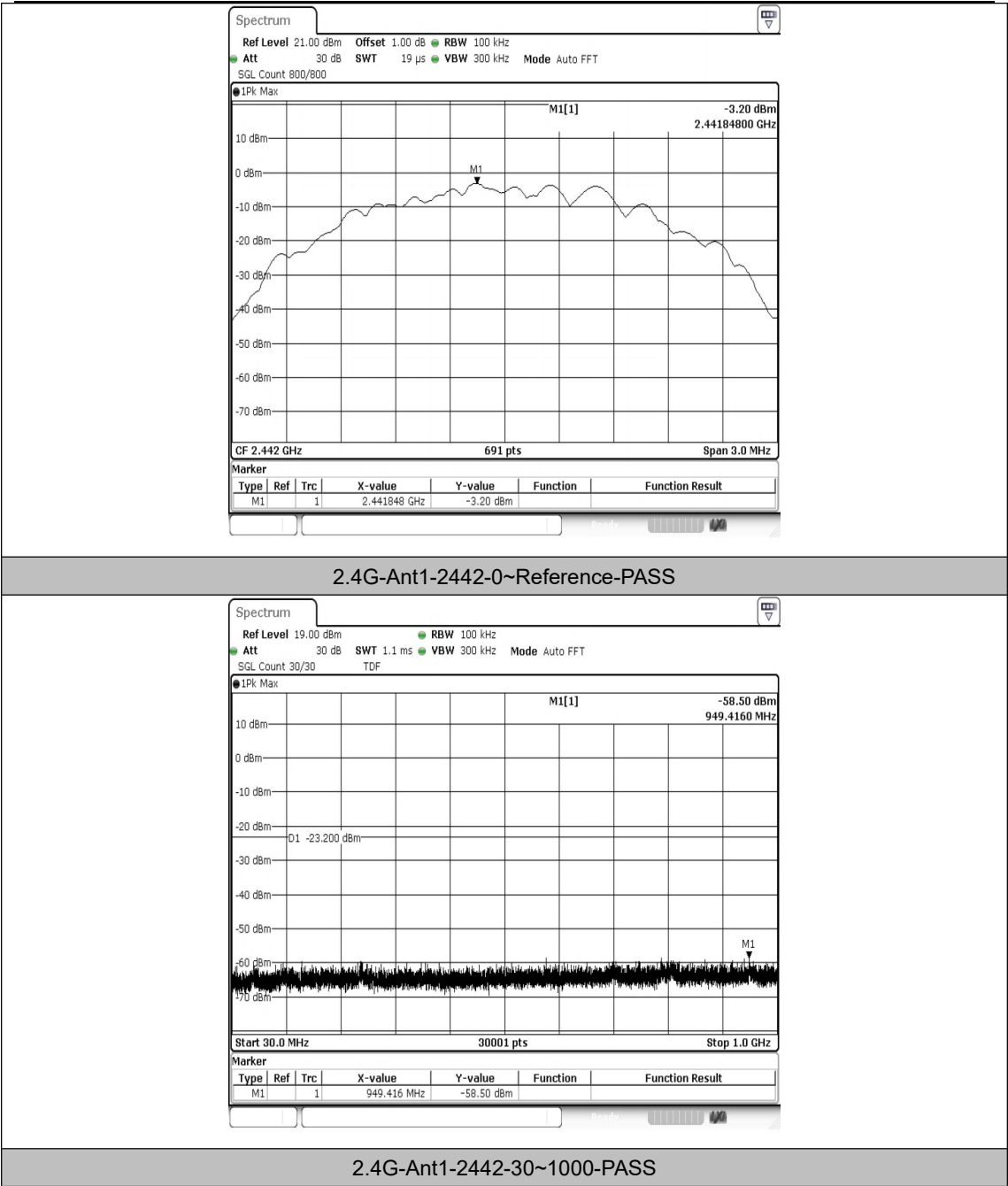




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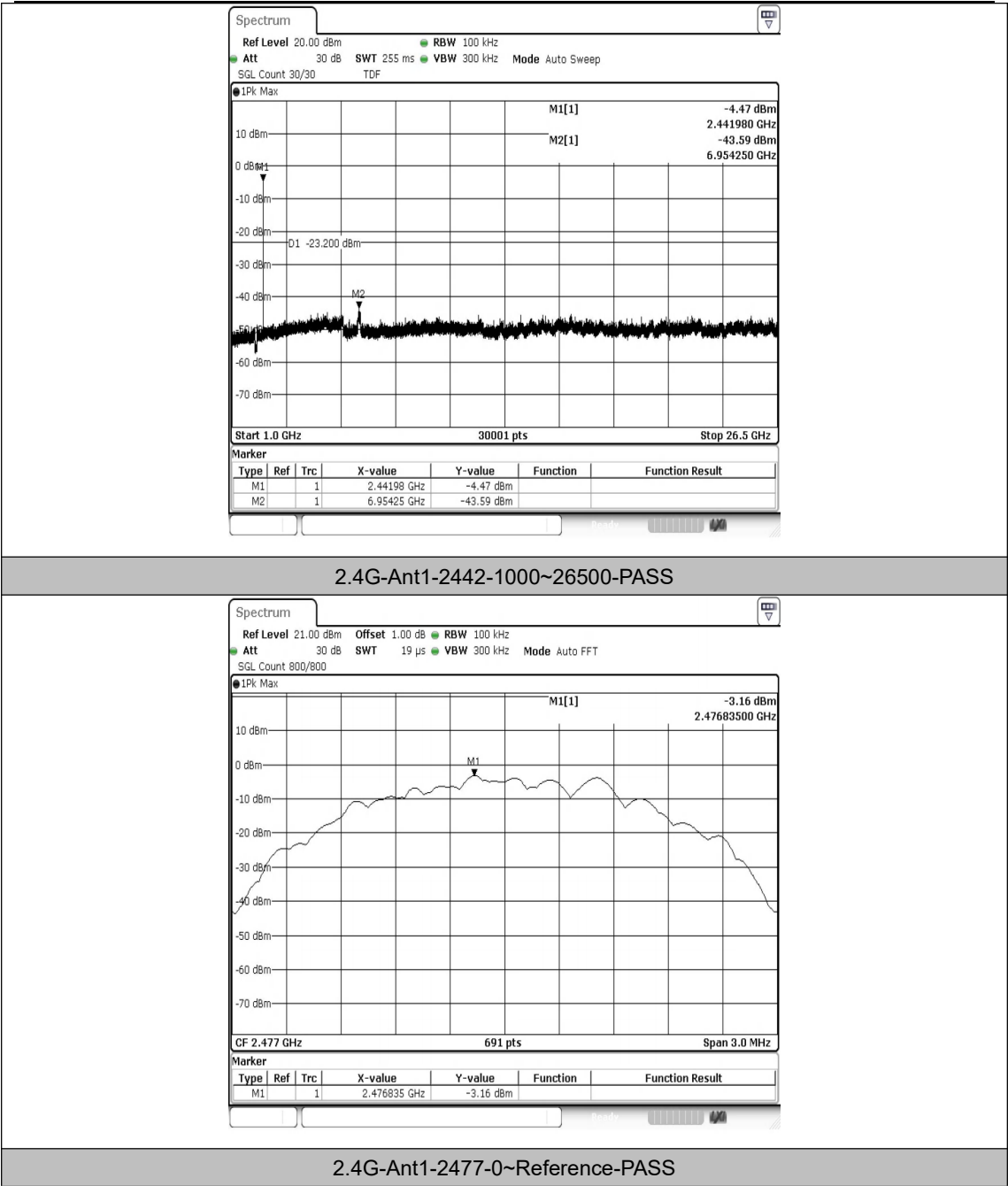
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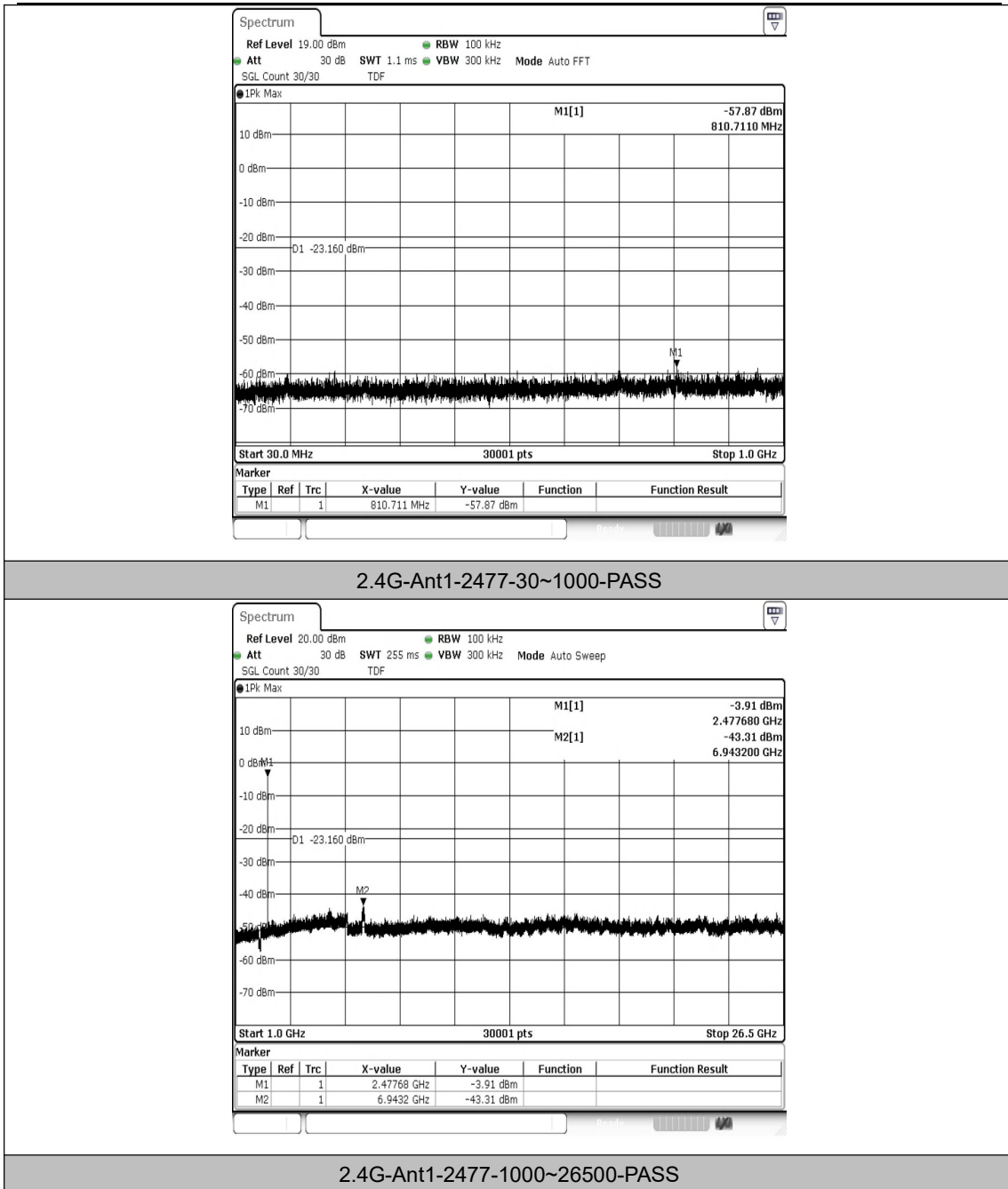


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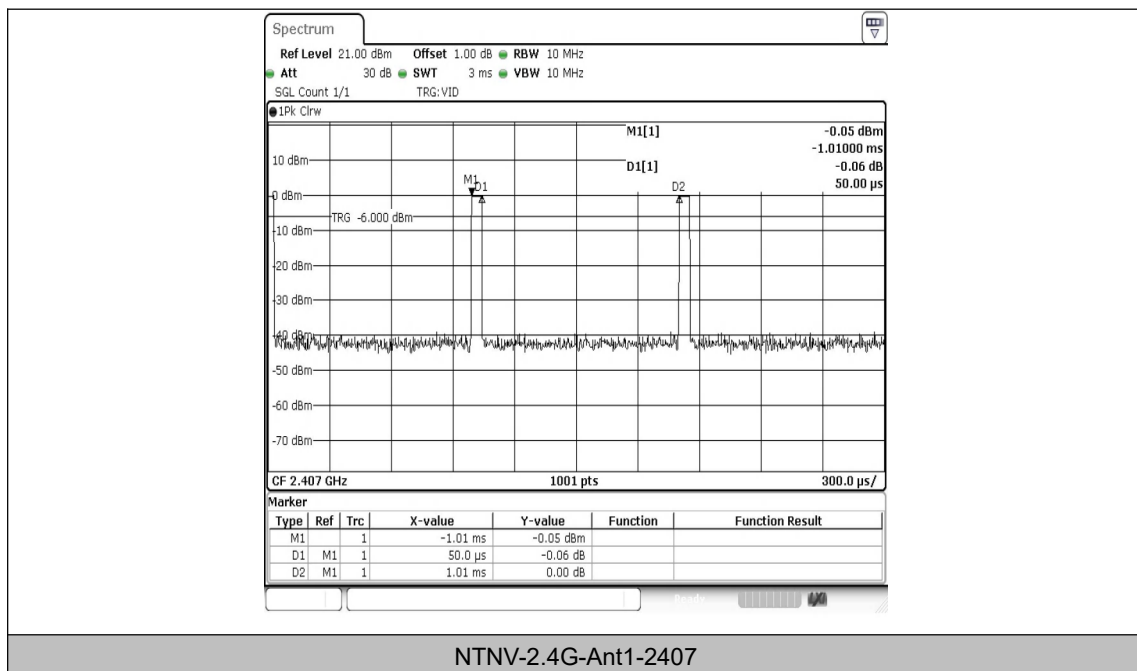
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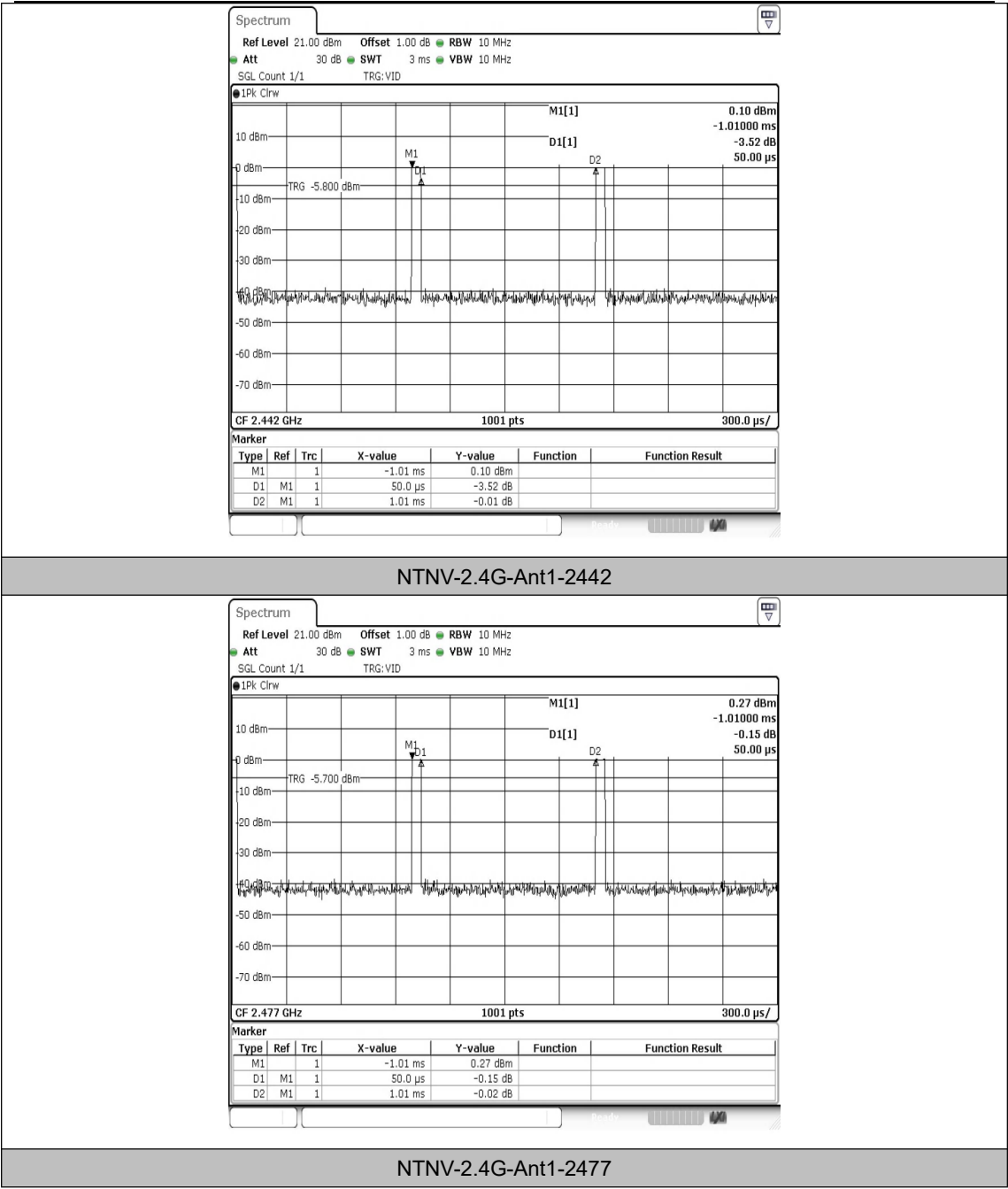
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2407	0.05	1.01	4.95	13.05
2.4G	Ant1	2442	0.05	1.01	4.95	13.05
2.4G	Ant1	2477	0.05	1.01	4.95	13.05

Test Graphs





---End---