

Appendix Test Data

Report No.:	1812C50271312501	Test Sample No.:	1-2-2
Start Test Date:	2025-6-4	Finish Test Date:	2025-6-11
Test Engineer:	Hu Sen Guan	Auditor:	Justin Feng
Temperature:	25.7°C	Relative Humidity:	52%
Pressure:	101kPa		

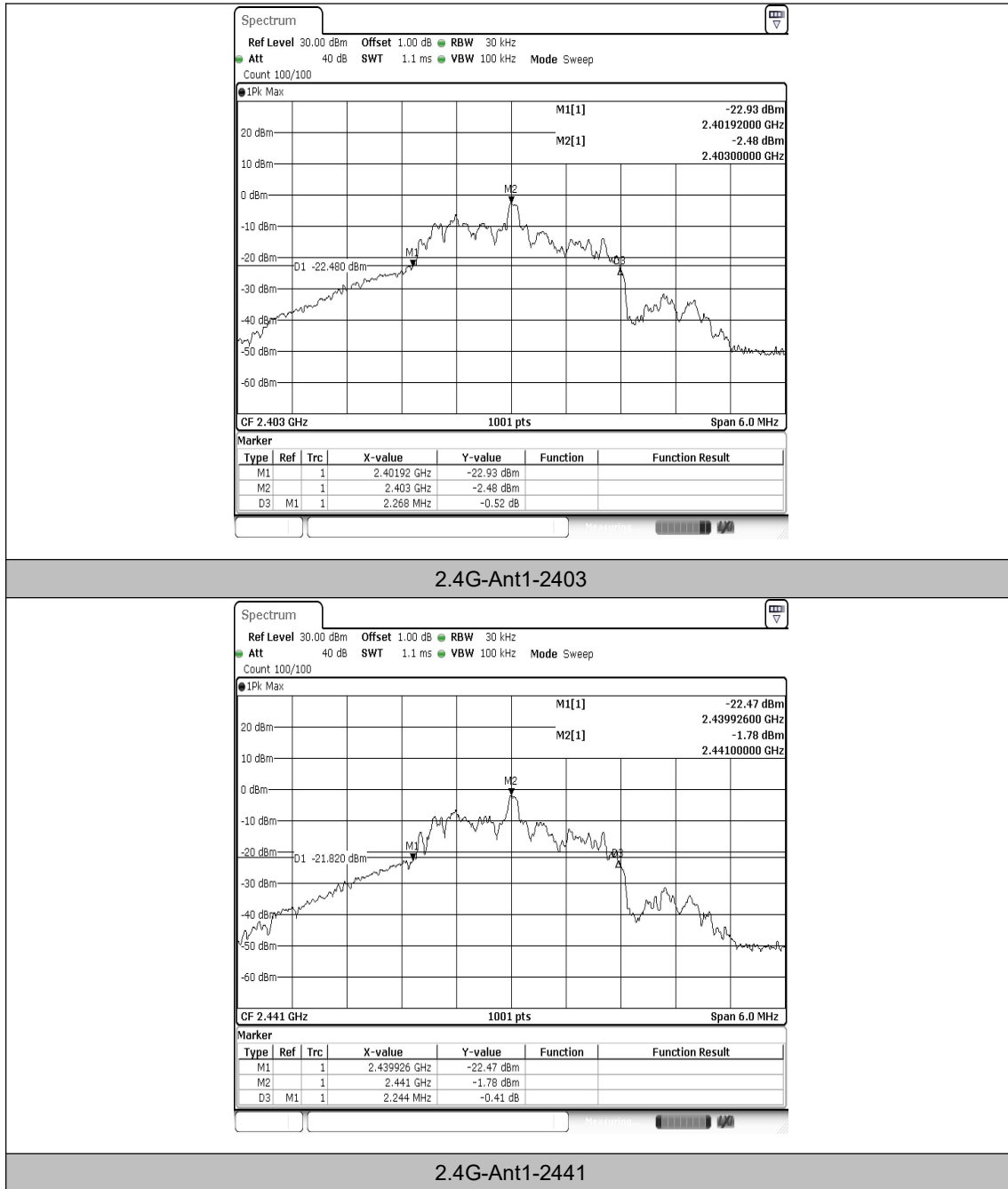
Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.27	2401.92	2404.19	---	---
2.4G	Ant1	2441	2.24	2439.93	2442.17	---	---
2.4G	Ant1	2480	2.22	2478.95	2481.17	---	---



Test Graphs





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Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86) 0755-26066440 Email: service@anbotek.com

Hotline
400-003-0500
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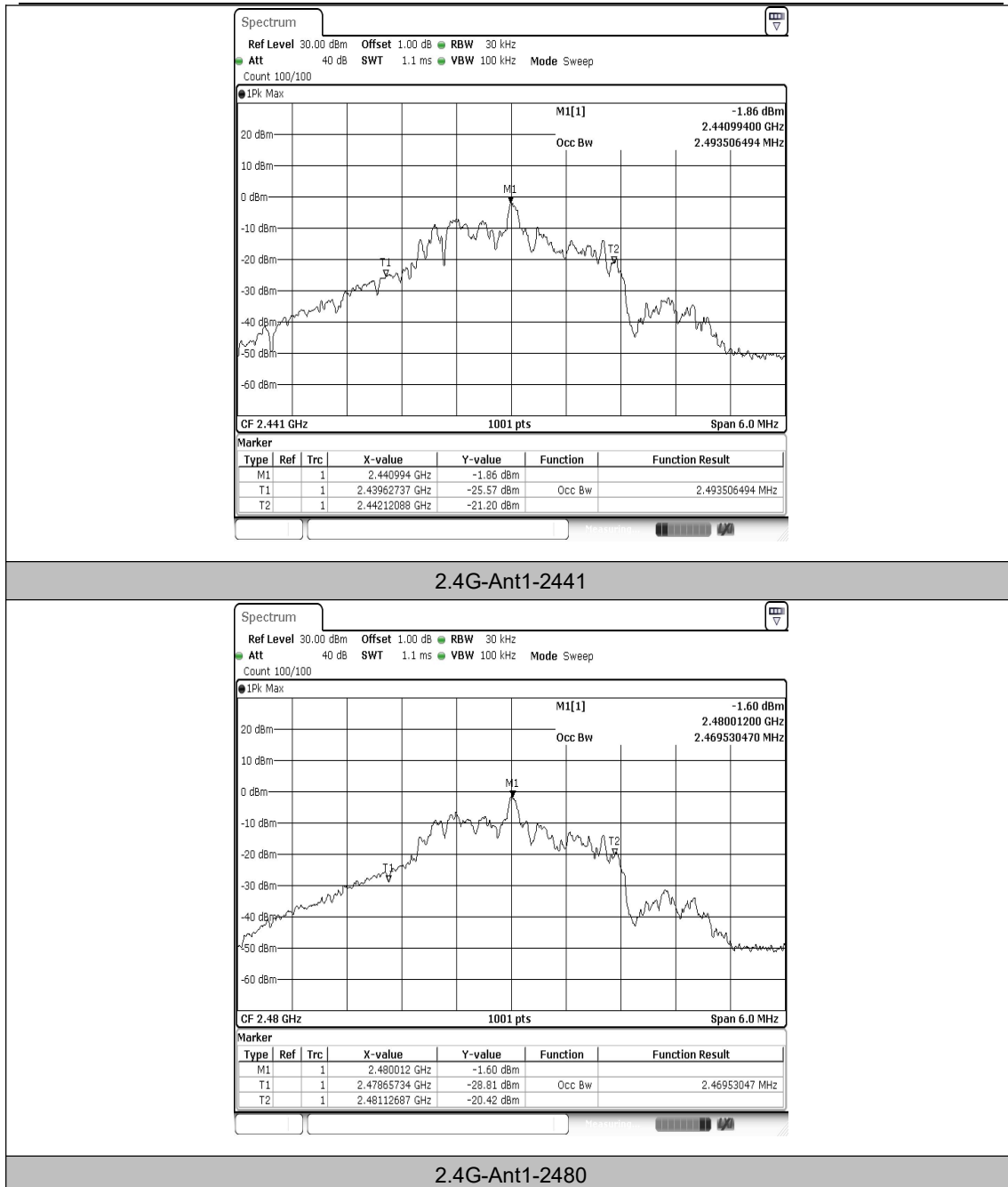
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.5415	2401.5734	2404.1149	---	---
2.4G	Ant1	2441	2.4935	2439.6274	2442.1209	---	---
2.4G	Ant1	2480	2.4695	2478.6573	2481.1269	---	---

Test Graphs



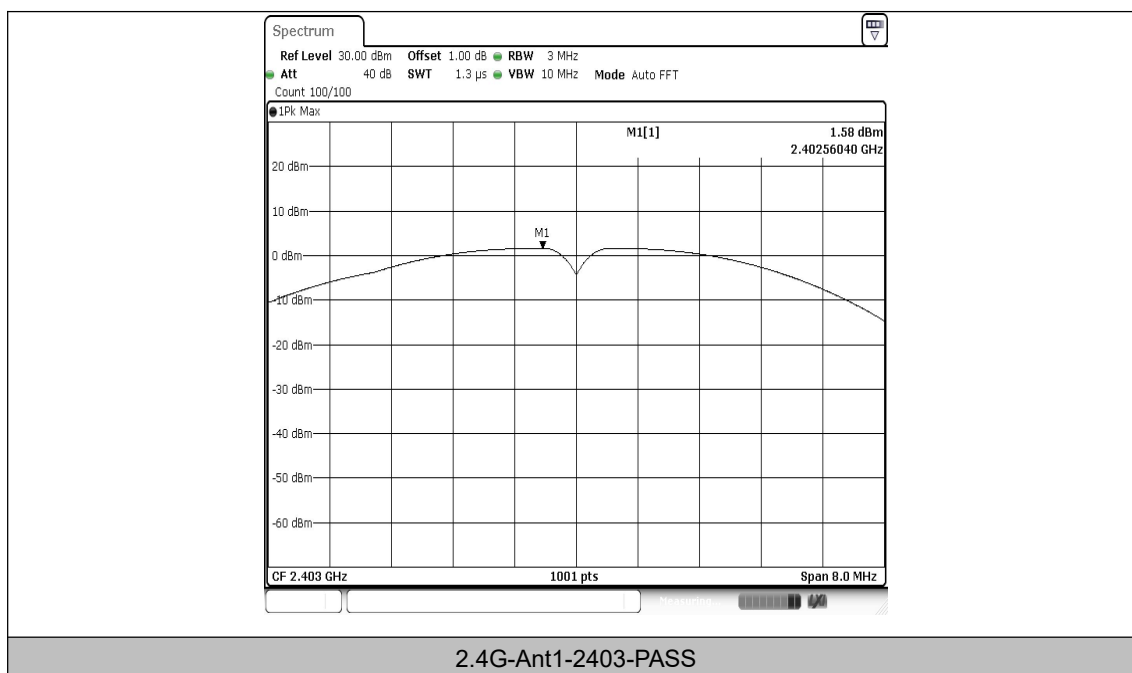


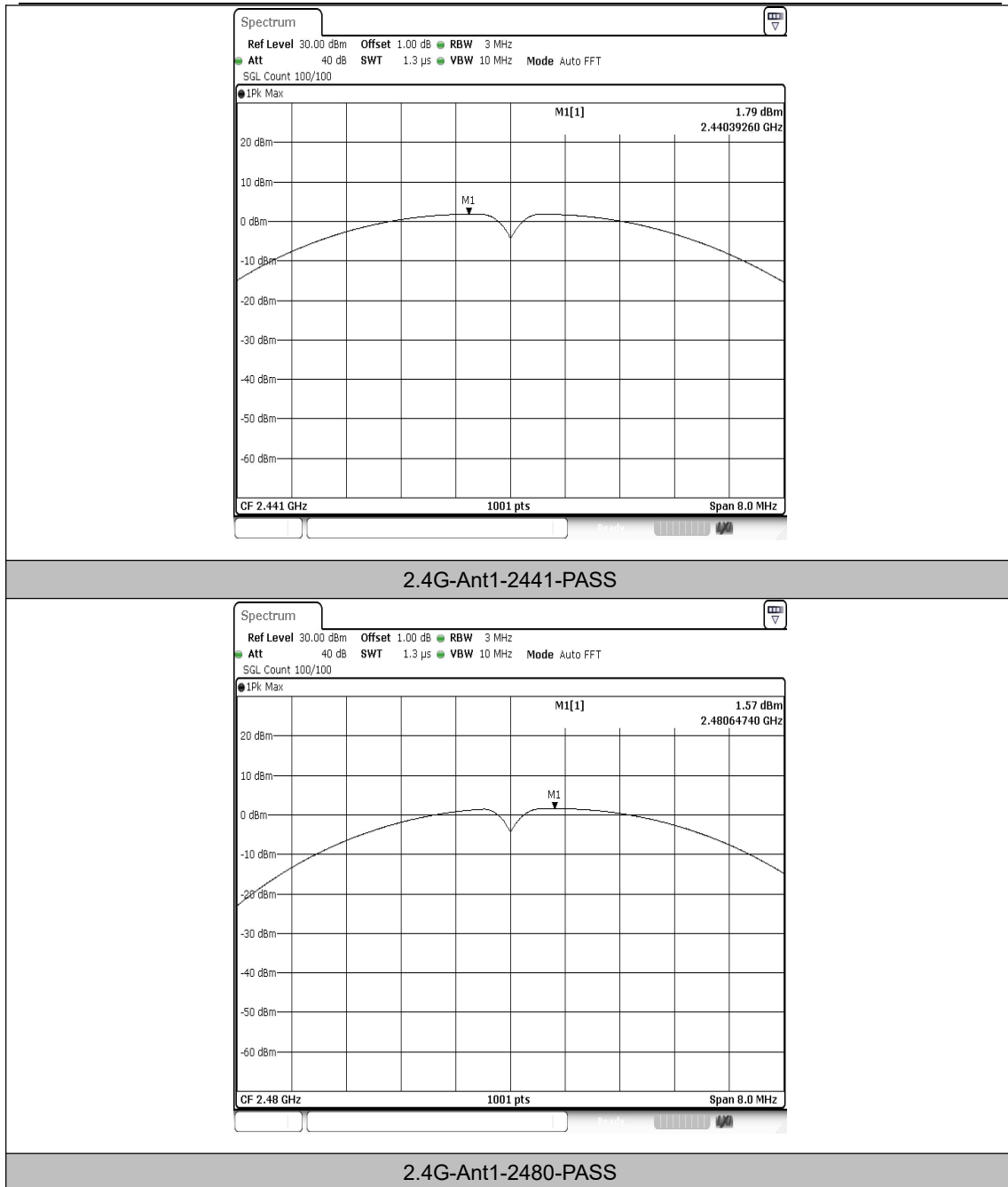
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	1.58	≤20.97	PASS
2.4G	Ant1	2441	1.79	≤20.97	PASS
2.4G	Ant1	2480	1.57	≤20.97	PASS

Test Graphs





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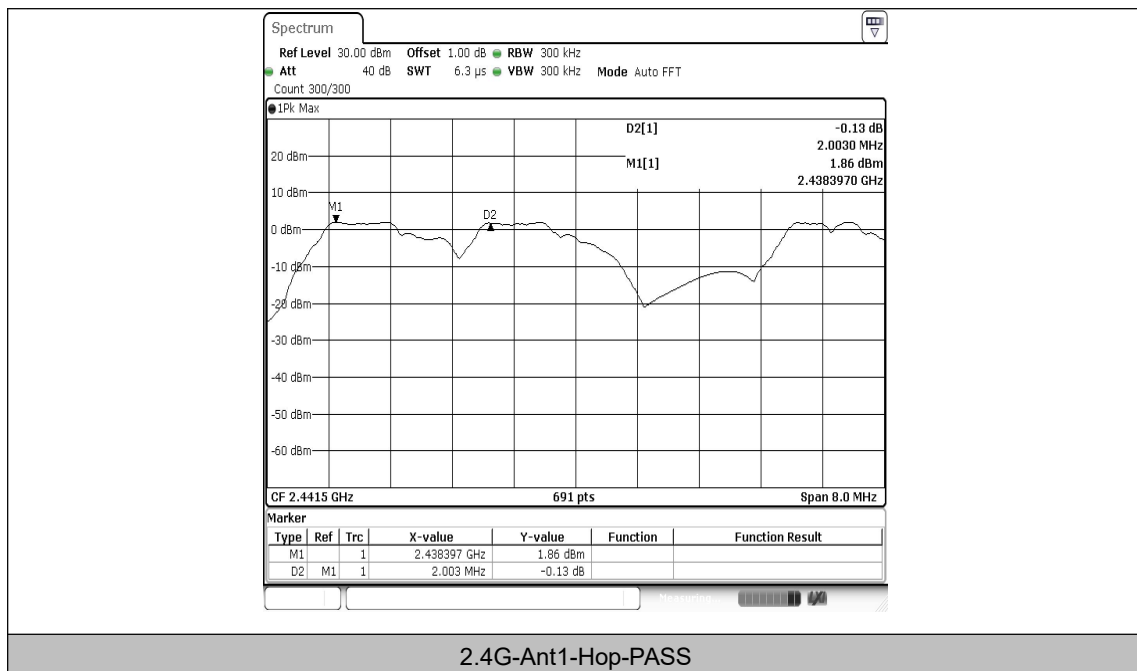
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.003	≥1.513	PASS

Test Graphs

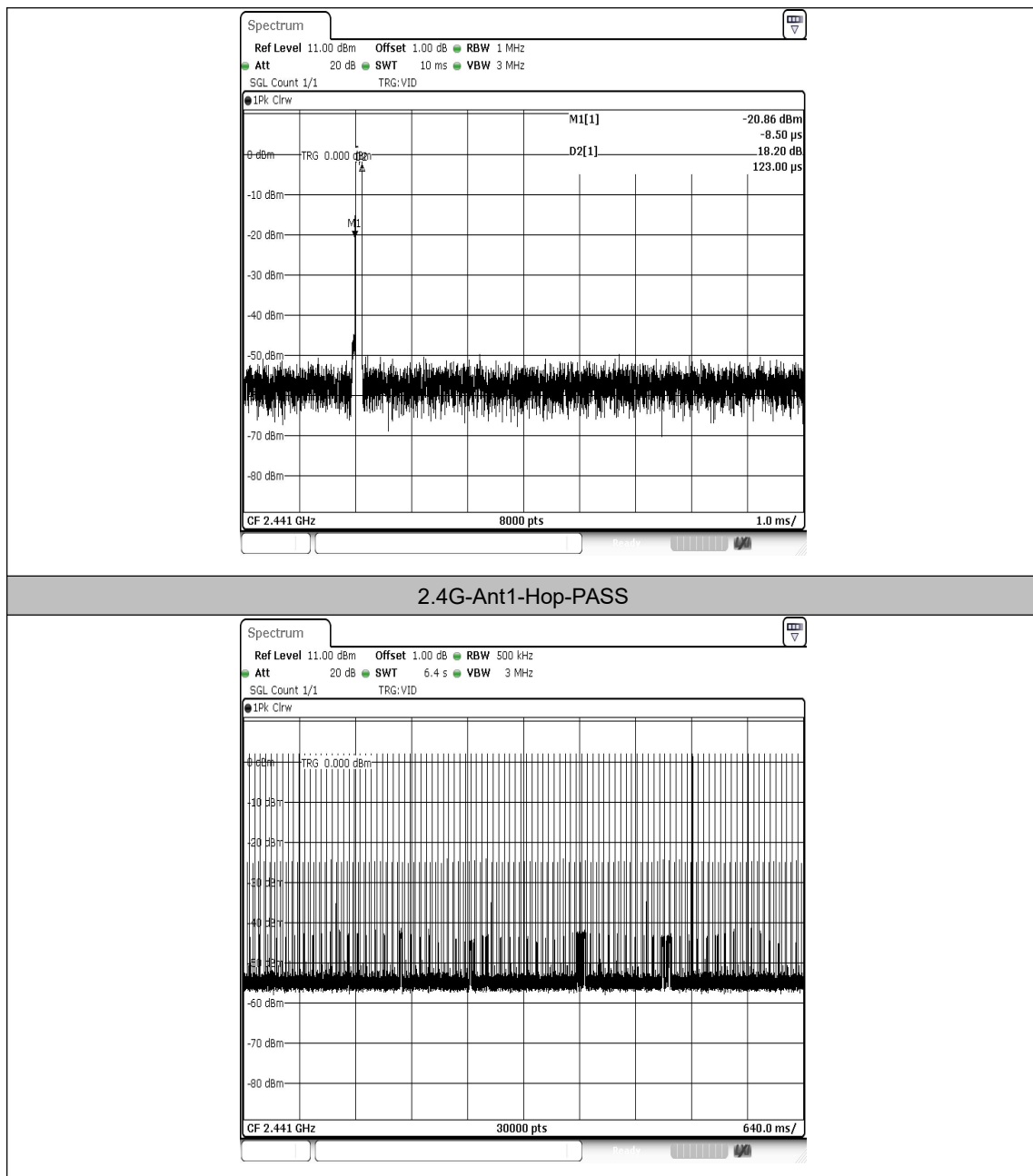


Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	0.123	101	0.012	≤6.4	PASS

Test Graphs

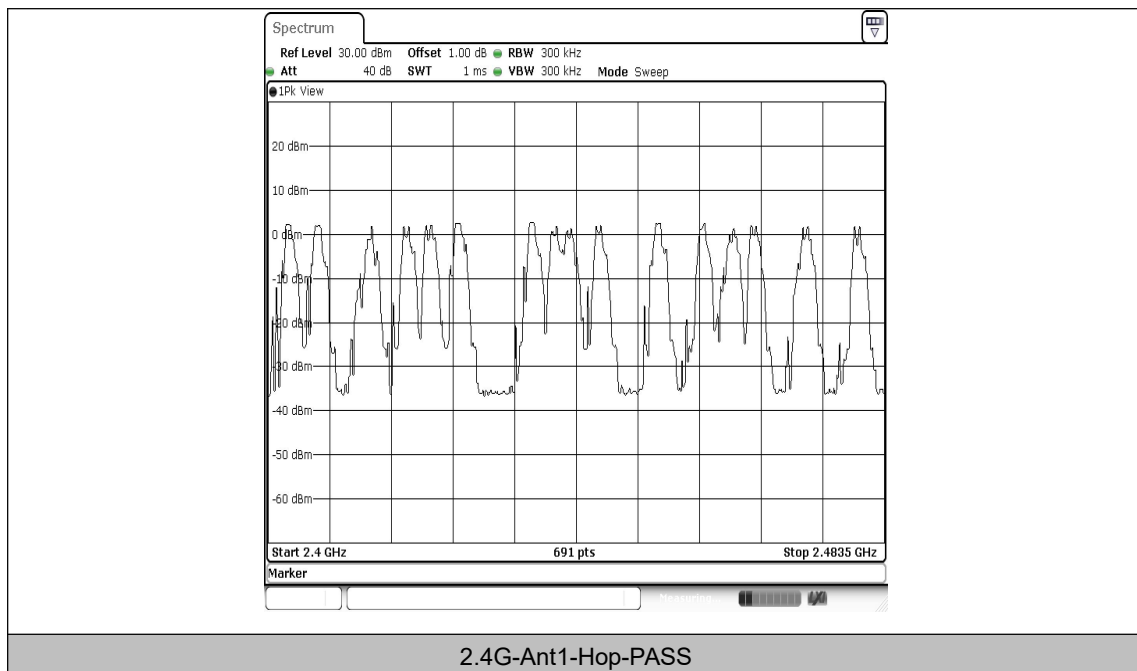


Appendix F: Number of Hopping Channel

Test Result

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

Test Graphs



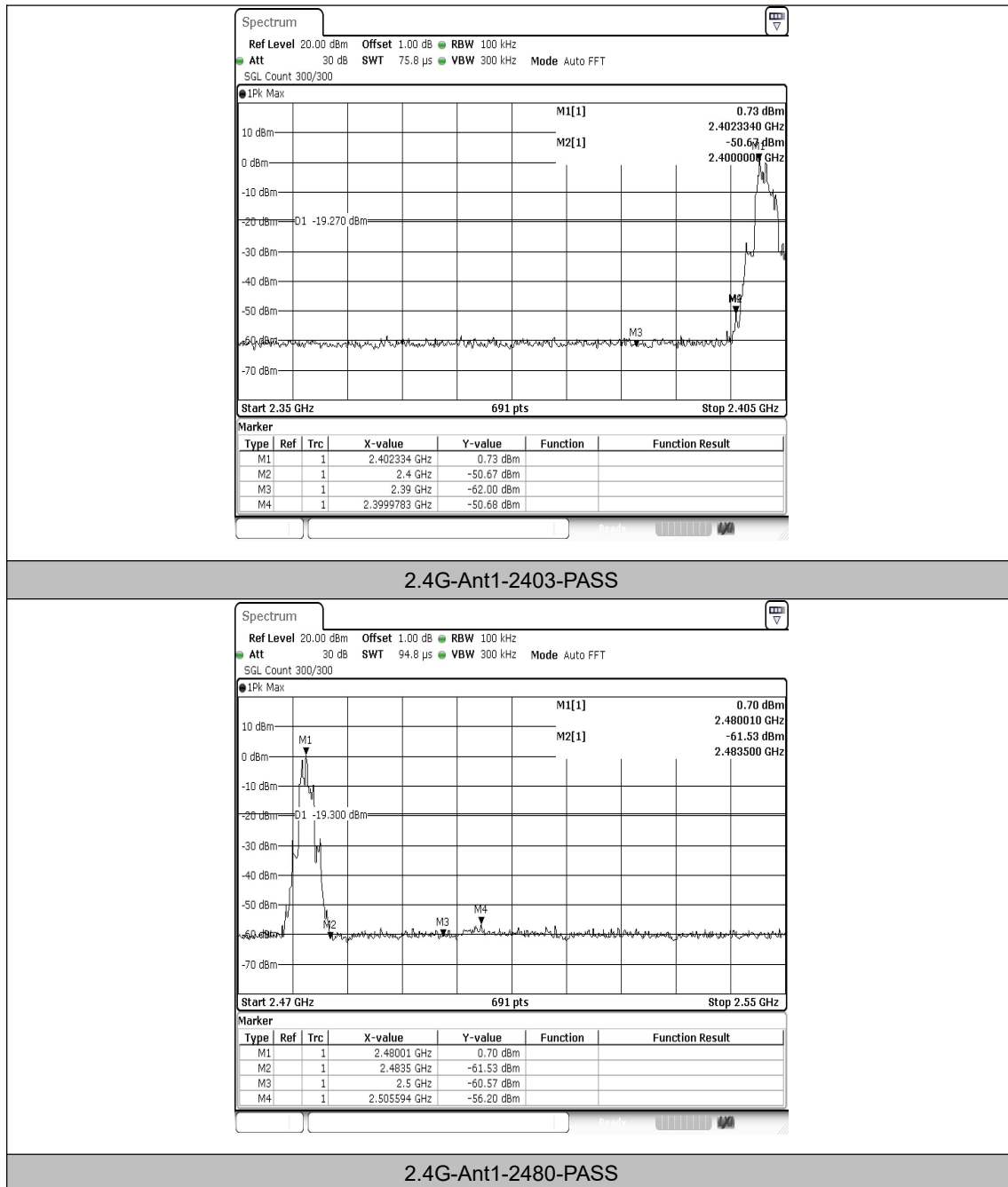
Appendix G: Conducted Band edge

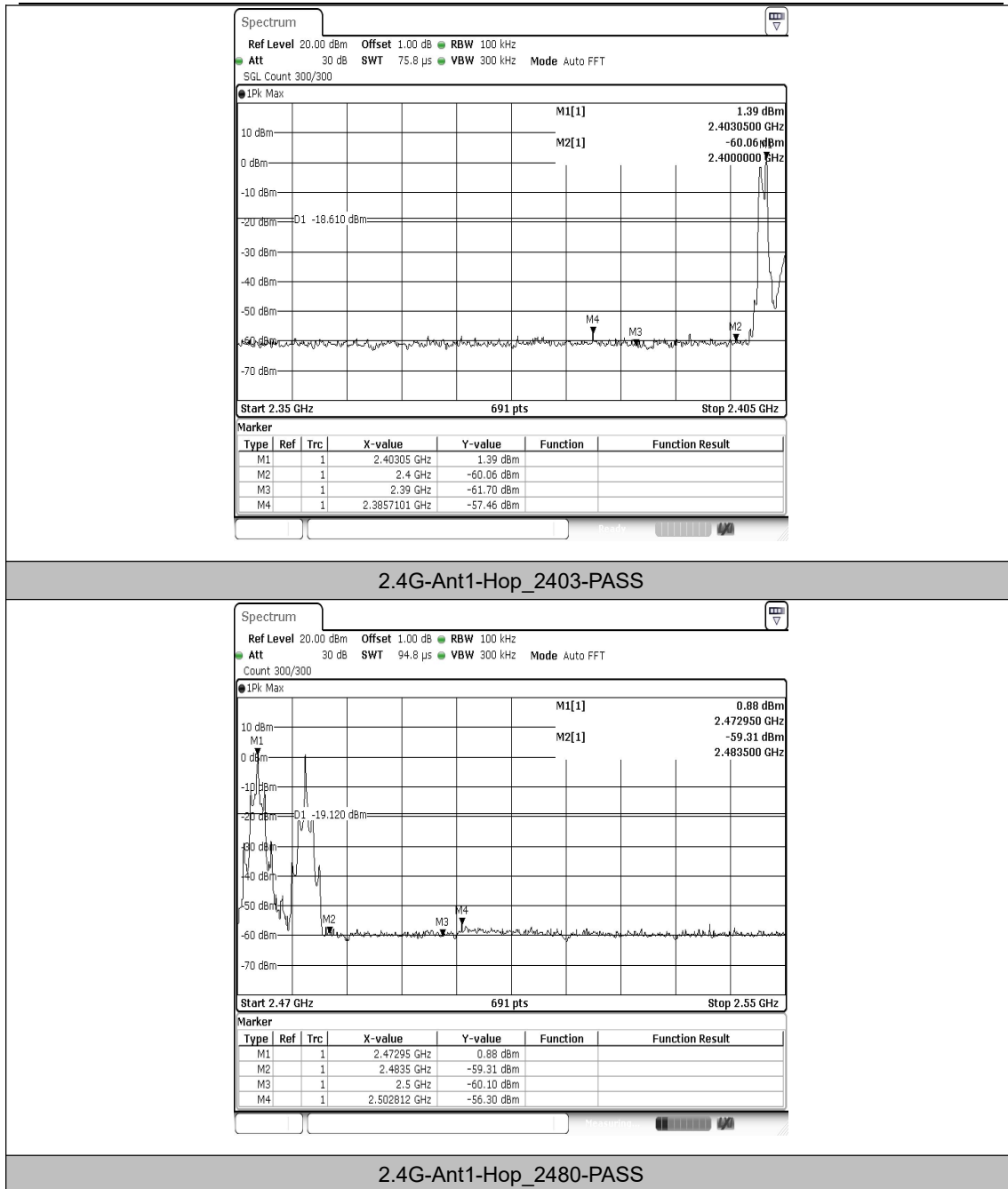
Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	0.73	-50.68	≤ -19.27	PASS
2.4G	Ant1	High	2480	0.70	-56.2	≤ -19.3	PASS
2.4G	Ant1	Low	Hop_2403	1.39	-57.46	≤ -18.61	PASS
2.4G	Ant1	High	Hop_2480	0.88	-56.3	≤ -19.12	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

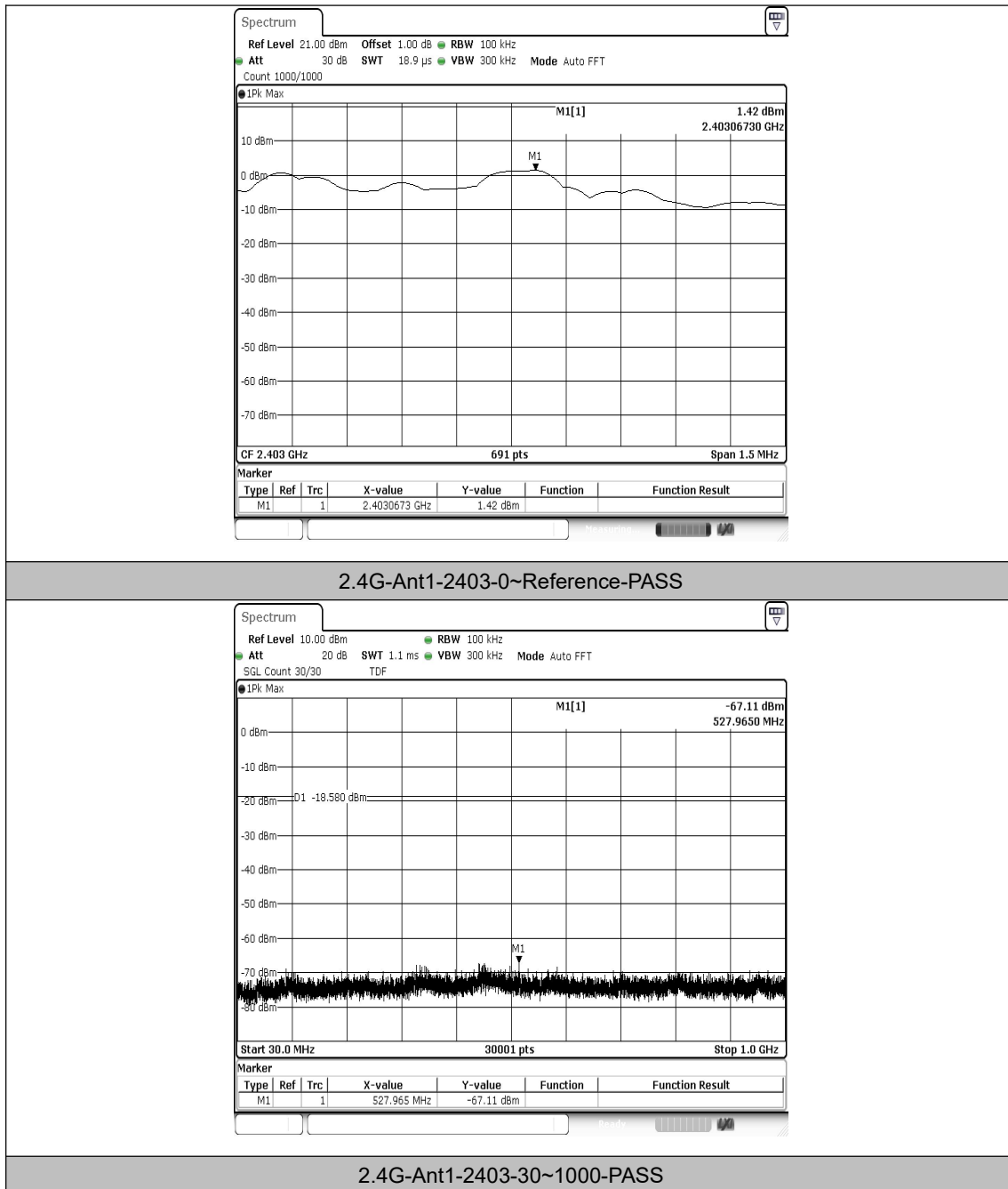
Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	0~Reference	1.42	1.42	---	PASS
2.4G	Ant1	2403	30~1000	1.42	-67.11	≤-18.58	PASS
2.4G	Ant1	2403	1000~26500	1.42	-54.42	≤-18.58	PASS
2.4G	Ant1	2441	0~Reference	1.73	1.73	---	PASS
2.4G	Ant1	2441	30~1000	1.73	-65.36	≤-18.27	PASS
2.4G	Ant1	2441	1000~26500	1.73	-54.84	≤-18.27	PASS
2.4G	Ant1	2480	0~Reference	1.43	1.43	---	PASS
2.4G	Ant1	2480	30~1000	1.43	-66.87	≤-18.57	PASS
2.4G	Ant1	2480	1000~26500	1.43	-47.65	≤-18.57	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.



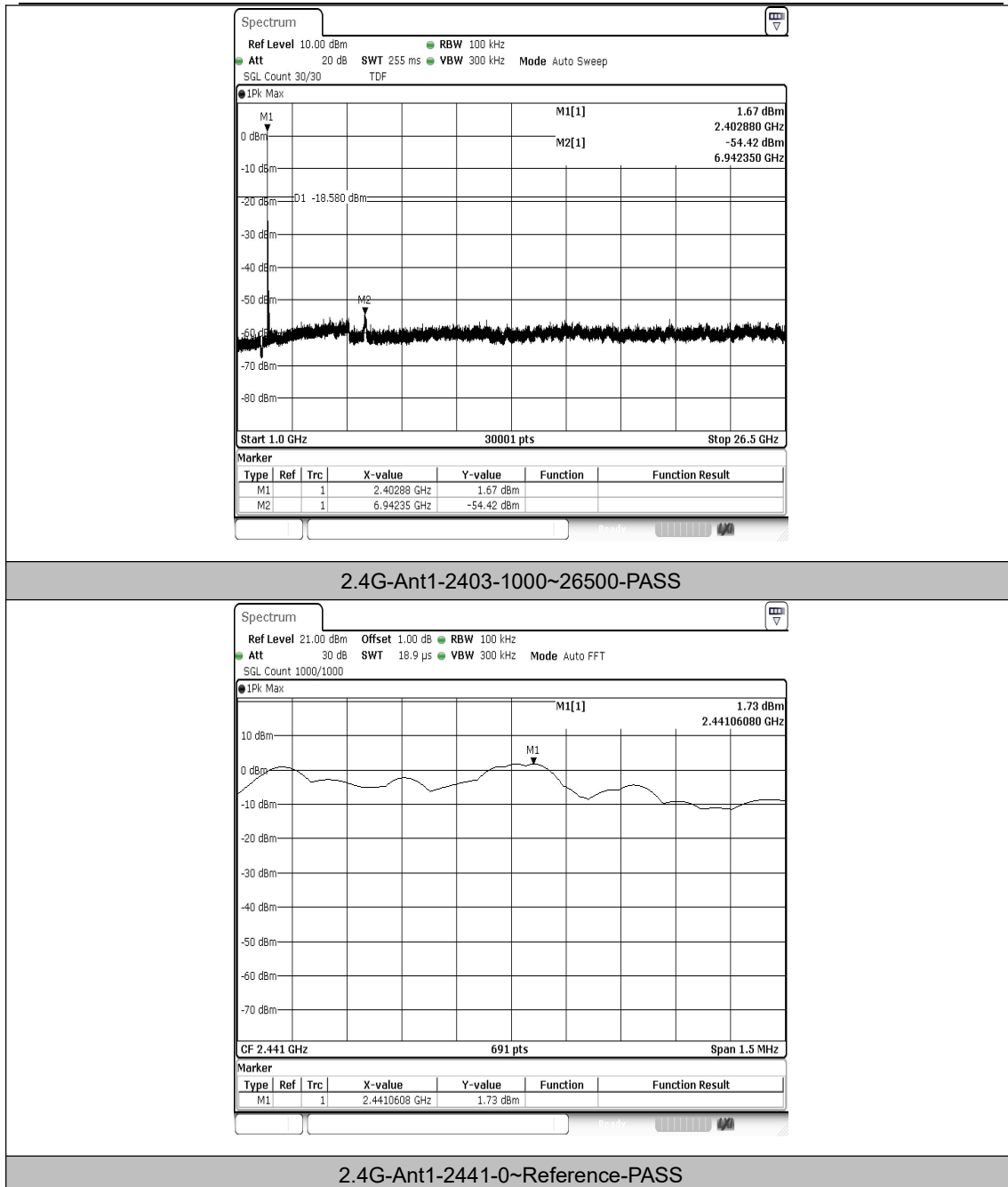
Test Graphs



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Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel:(86)0755-26066440 Email:service@anbotek.com

Hotline
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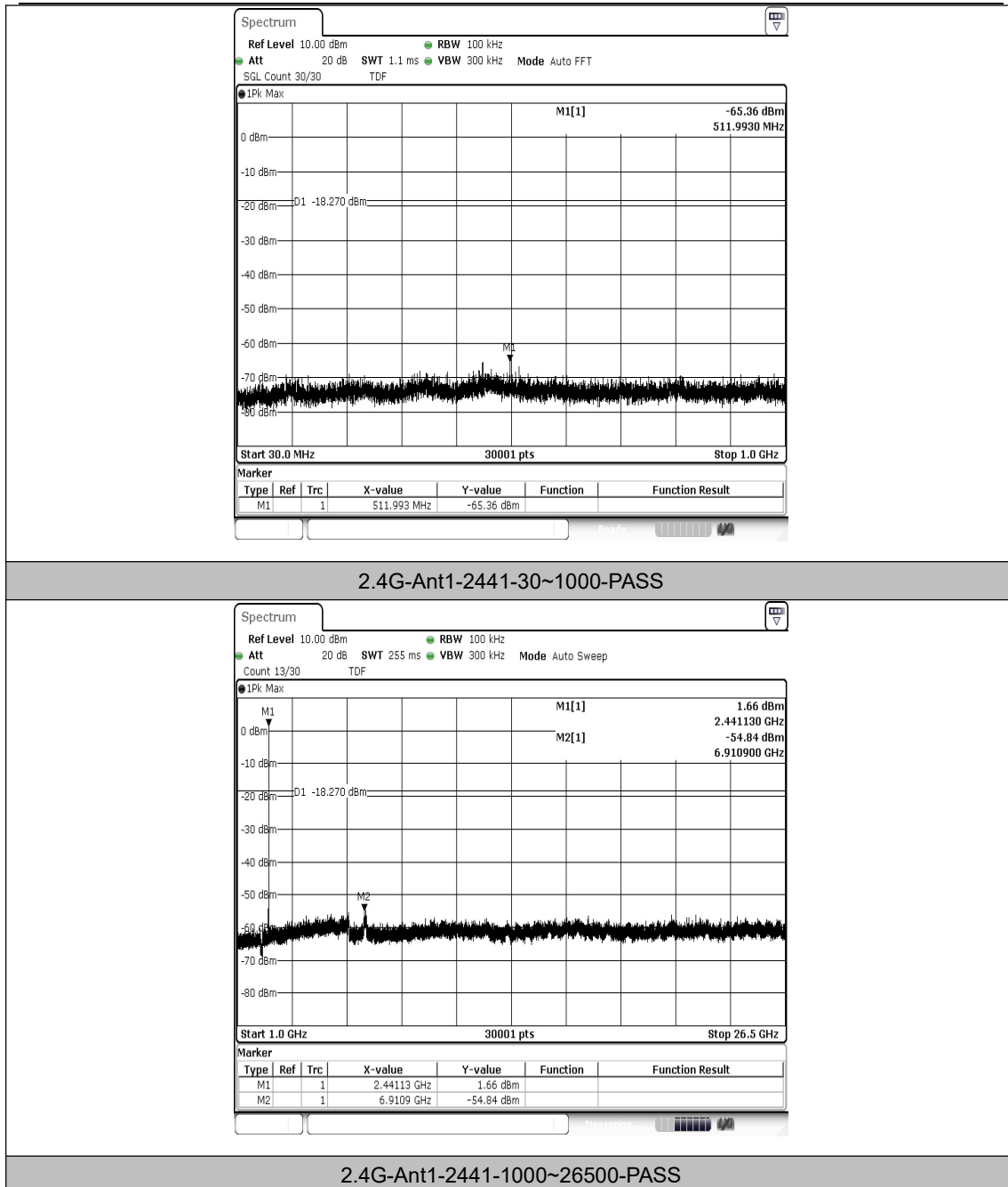


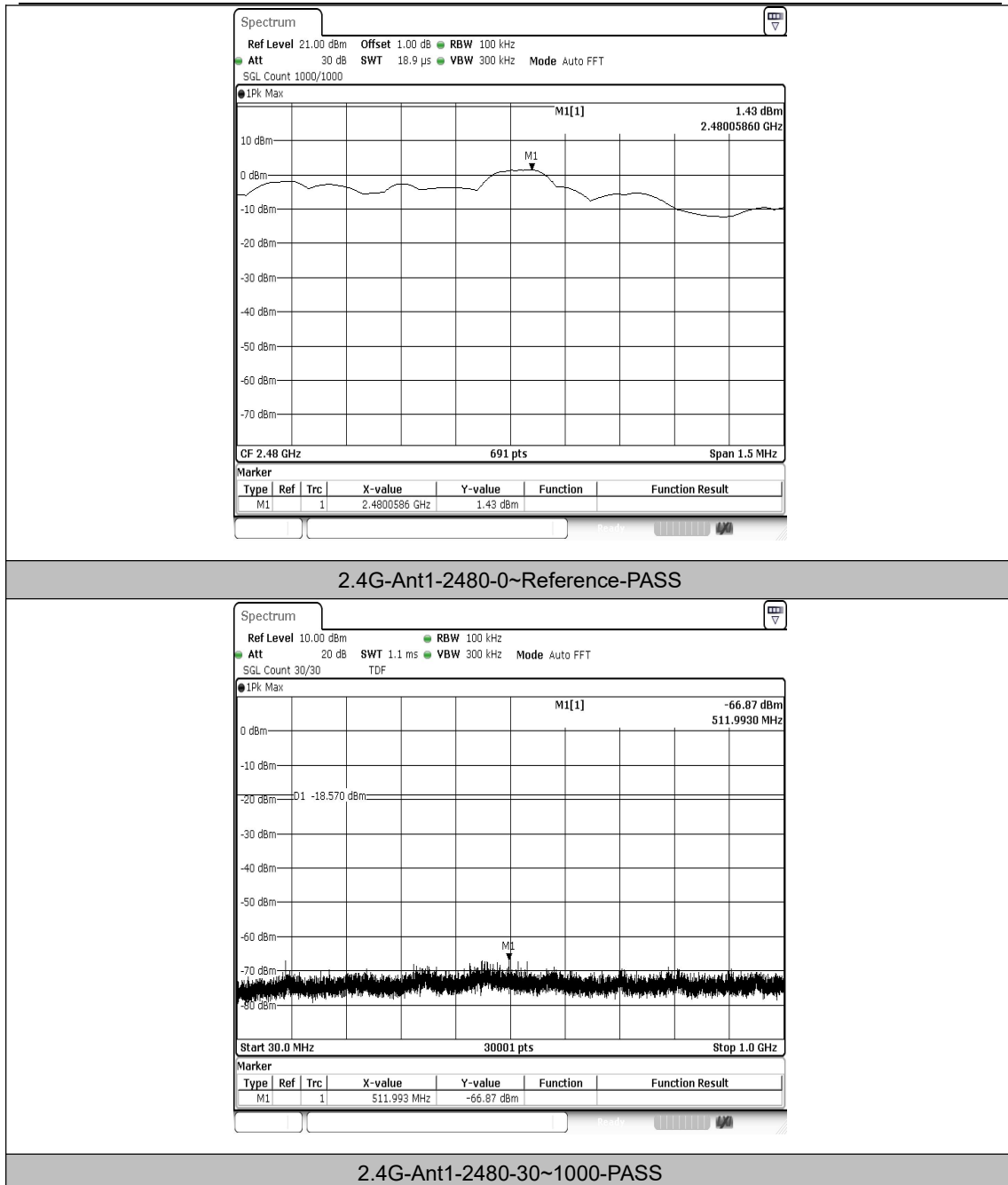
Shenzhen Anbotek Compliance Laboratory Limited

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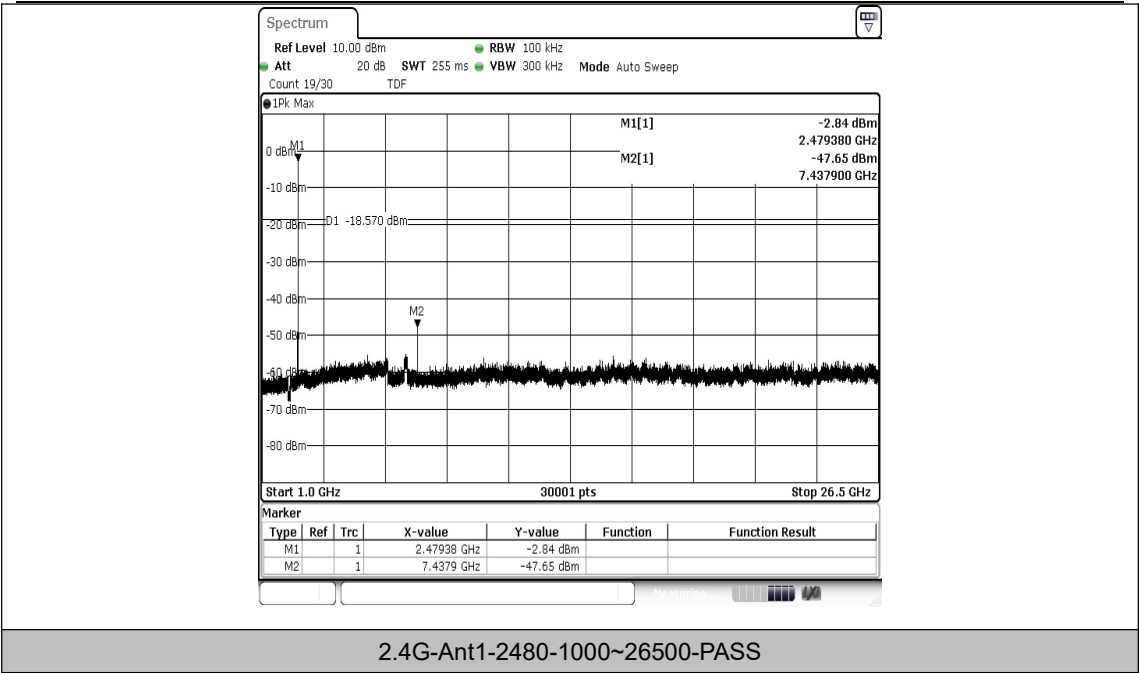




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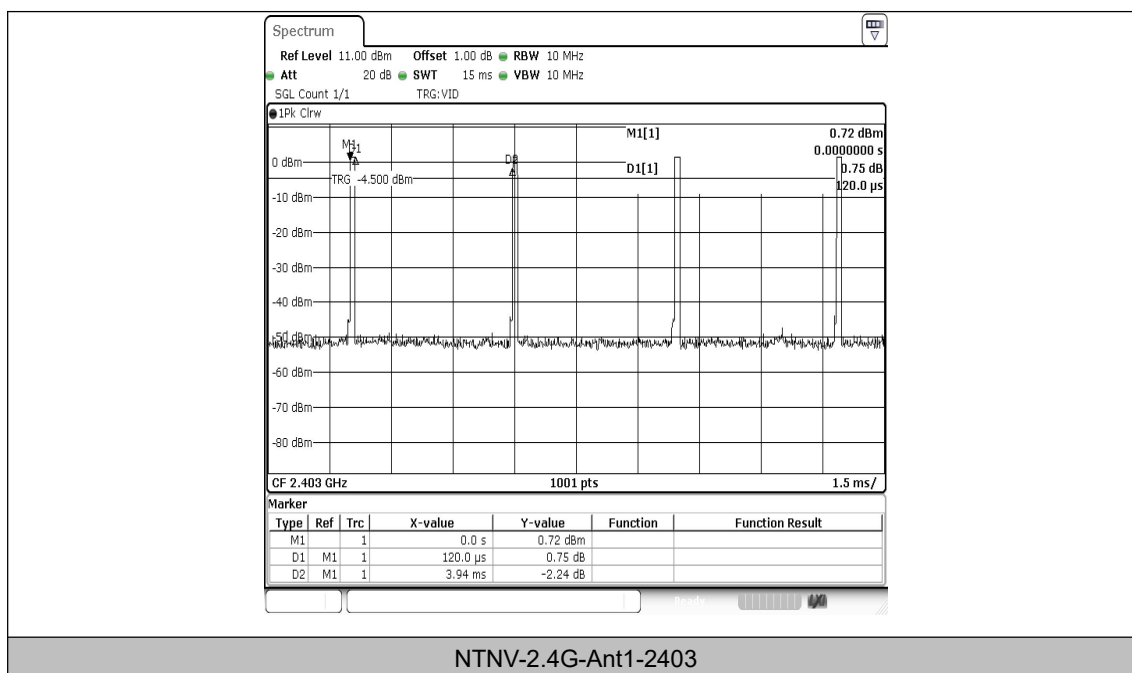
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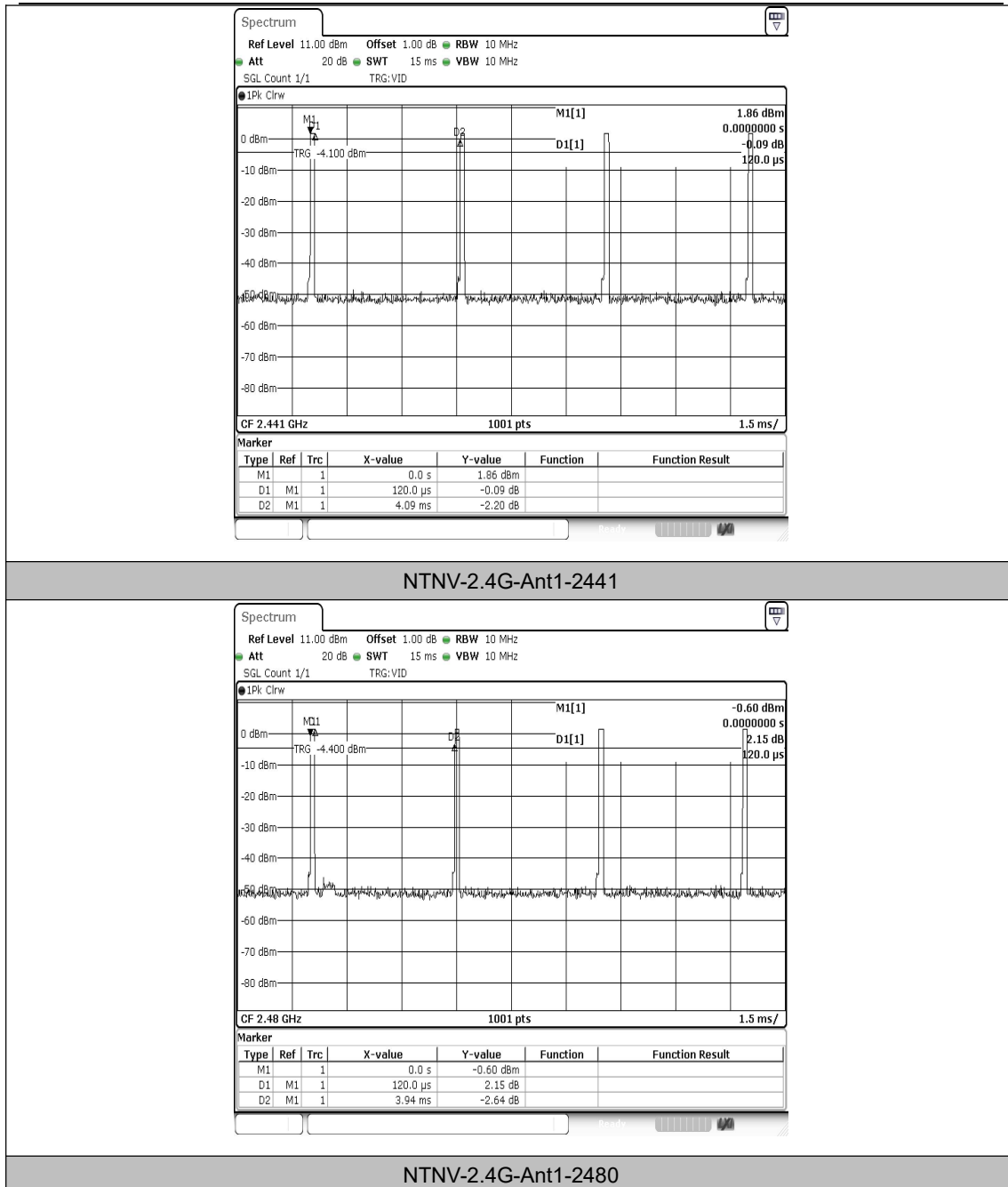
Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2403	0.12	3.94	3.05	15.16
2.4G	Ant1	2441	0.12	4.09	2.93	15.33
2.4G	Ant1	2480	0.12	3.94	3.05	15.16

Test Graphs





---End---