

Appendix Test Data

Report No.:	1812C50082812502	Test Sample No.:	1-2-2
Start Test Date:	2025-03-11	Finish Test Date:	2025-05-29
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	23.7°C	Relative Humidity:	38%
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	2.184	2401.938	2404.122	---	---
2.4G	Ant1	2441	2.106	2439.962	2442.068	---	---
2.4G	Ant1	2480	2.130	2478.980	2481.110	---	---



Test Graphs



Shenzhen Anbotek Compliance Laboratory Limited

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
www.anbotek.com



Shenzhen Anbotek Compliance Laboratory Limited

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
www.anbotek.com

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	2.2811	2401.9458	2404.2269	---	---
2.4G	Ant1	2441	2.1724	2439.9589	2442.1313	---	---
2.4G	Ant1	2480	2.1974	2478.9608	2481.1582	---	---

Test Graphs





Shenzhen Anbotech Compliance Laboratory Limited

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@anbotech.com



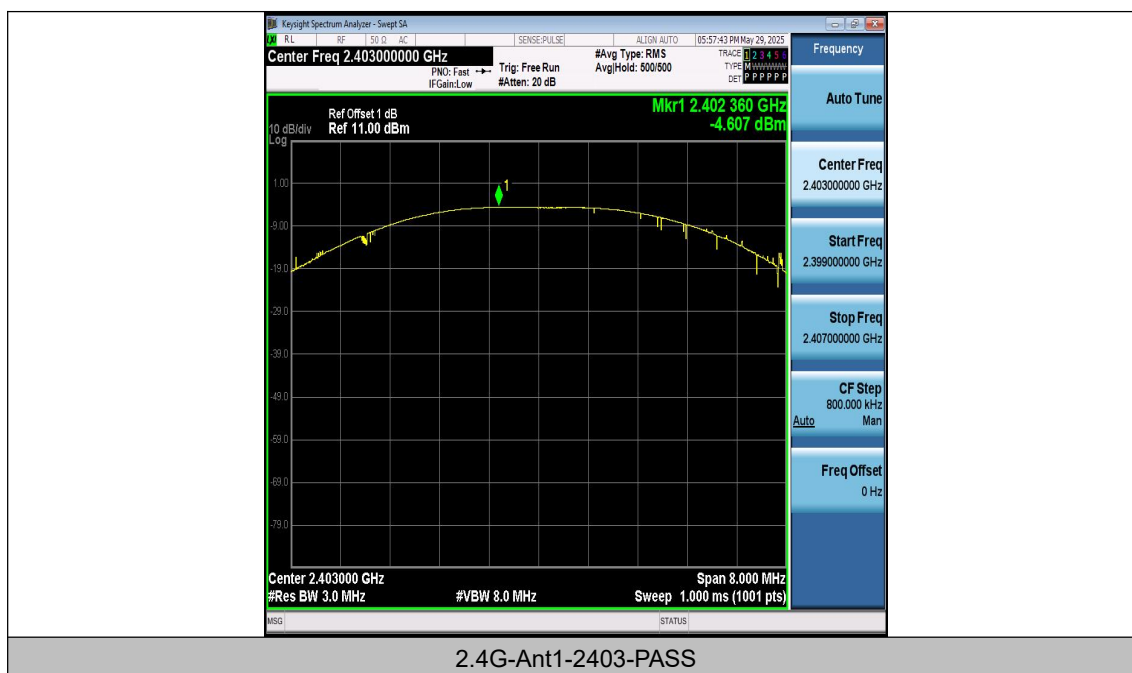
Hotline
400-003-0500
www.anbotech.com

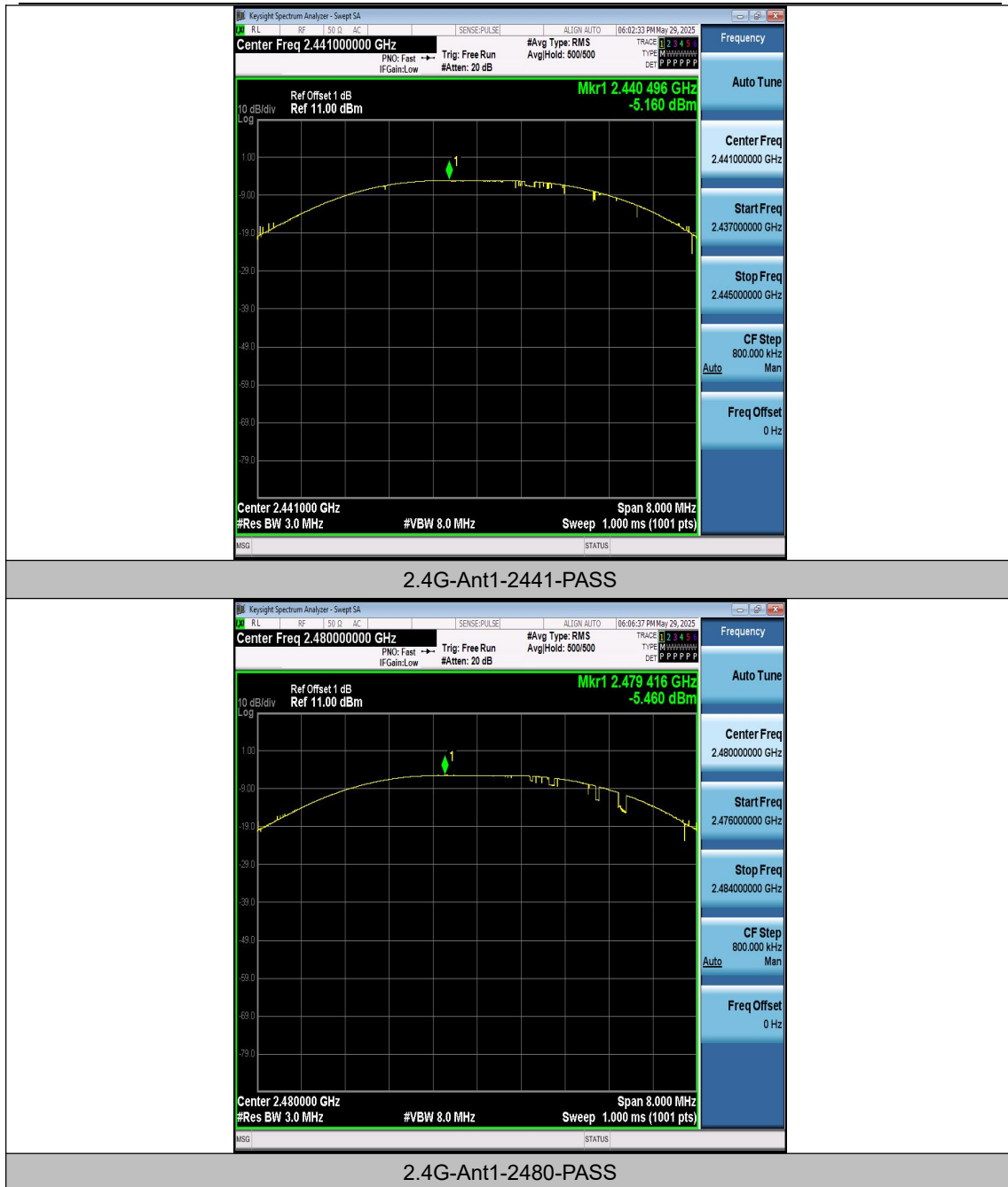
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	-4.61	≤21	PASS
2.4G	Ant1	2441	-5.16	≤21	PASS
2.4G	Ant1	2480	-5.46	≤21	PASS

Test Graphs





Shenzhen Anbotech Compliance Laboratory Limited

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@anbotech.com



Hotline
400-003-0500
www.anbotech.com

Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	3.00	≥2.184	PASS

Test Graphs

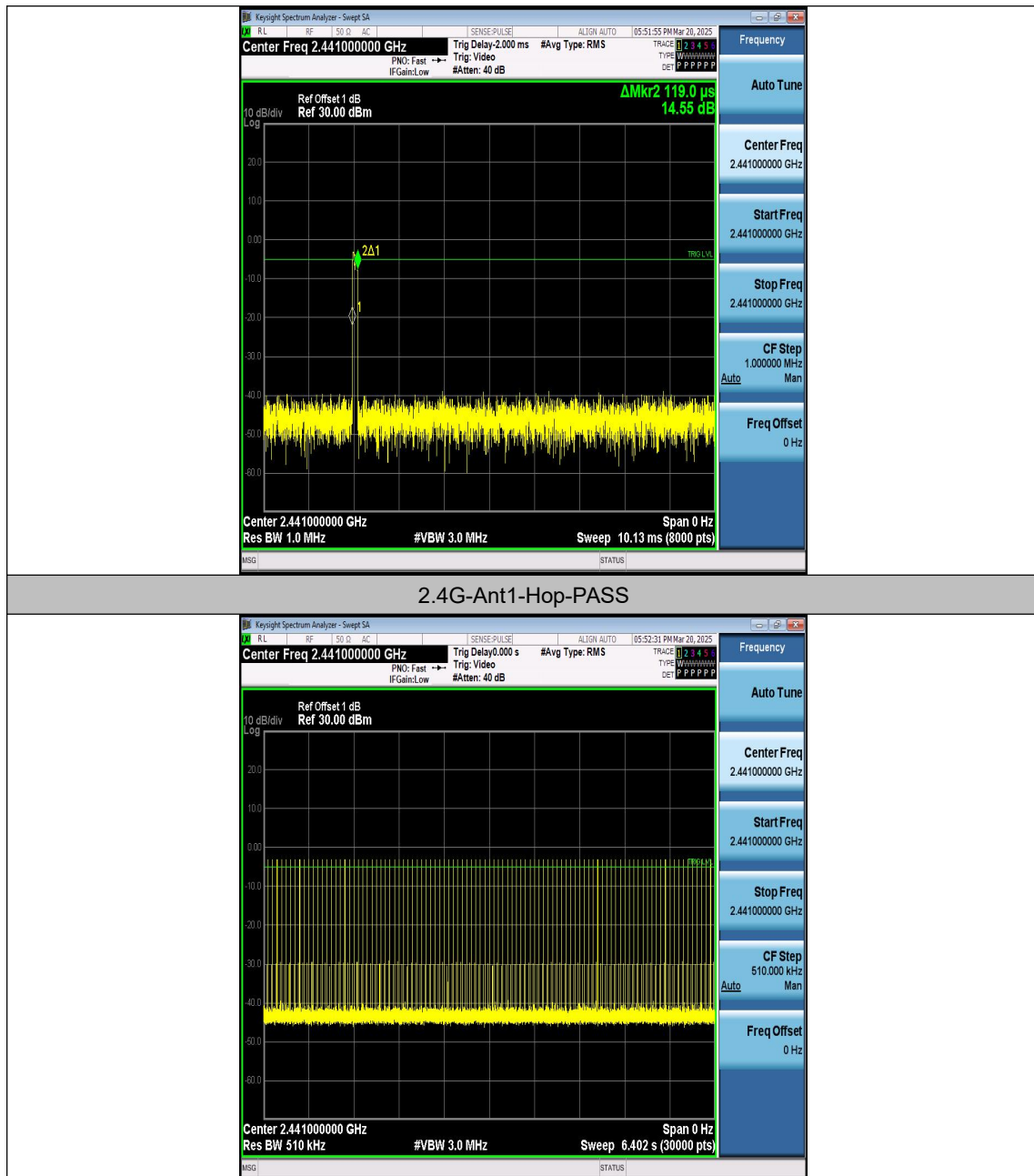


Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	0.119	100	0.012	≤0.4	PASS

Test Graphs

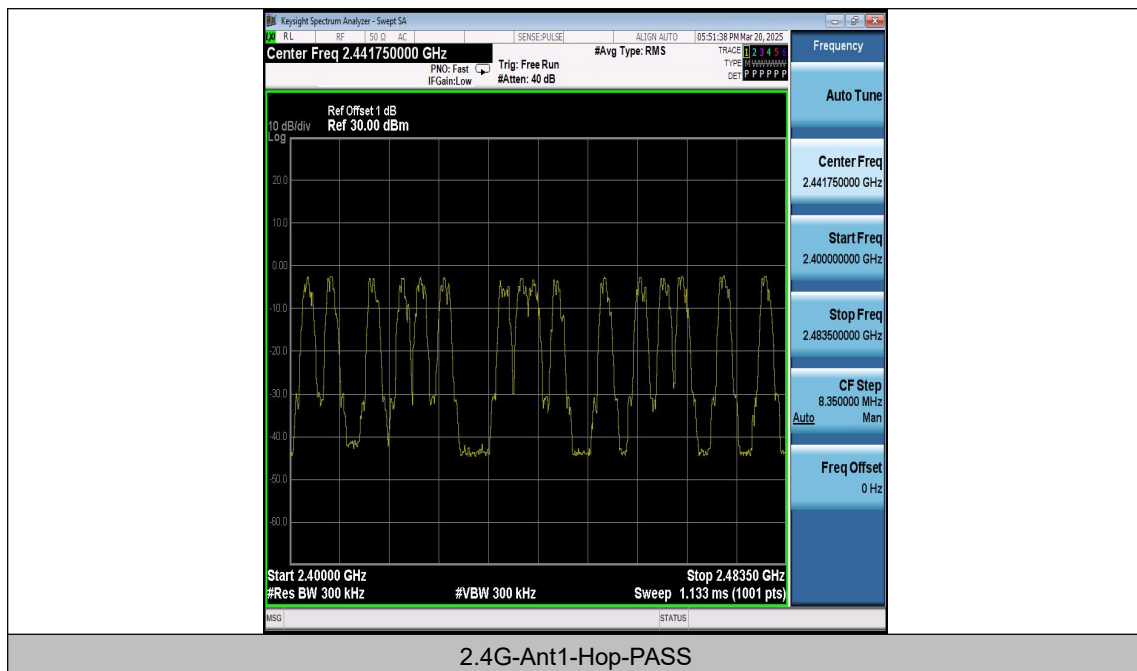


Appendix F: Number of Hopping Channel

Test Result

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

Test Graphs



Appendix G: Conducted Band edge

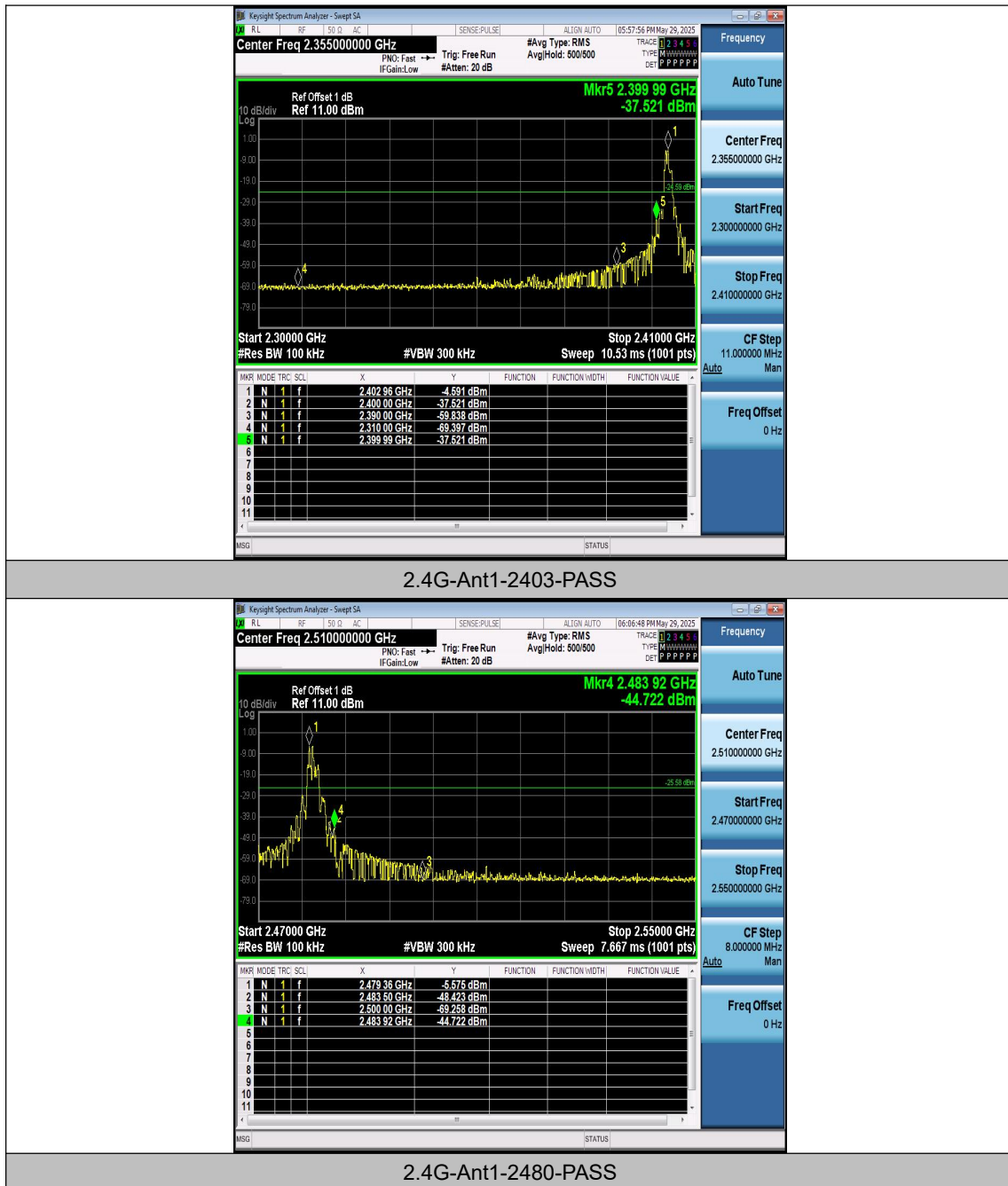
Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	-4.59	-37.52	≤-24.59	PASS
2.4G	Ant1	High	2480	-5.58	-44.72	≤-25.58	PASS
2.4G	Ant1	Low	Hop	-4.51	-40.16	≤-24.51	PASS
2.4G	Ant1	High	Hop	-5.35	-43.4	≤-25.35	PASS

Remark: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





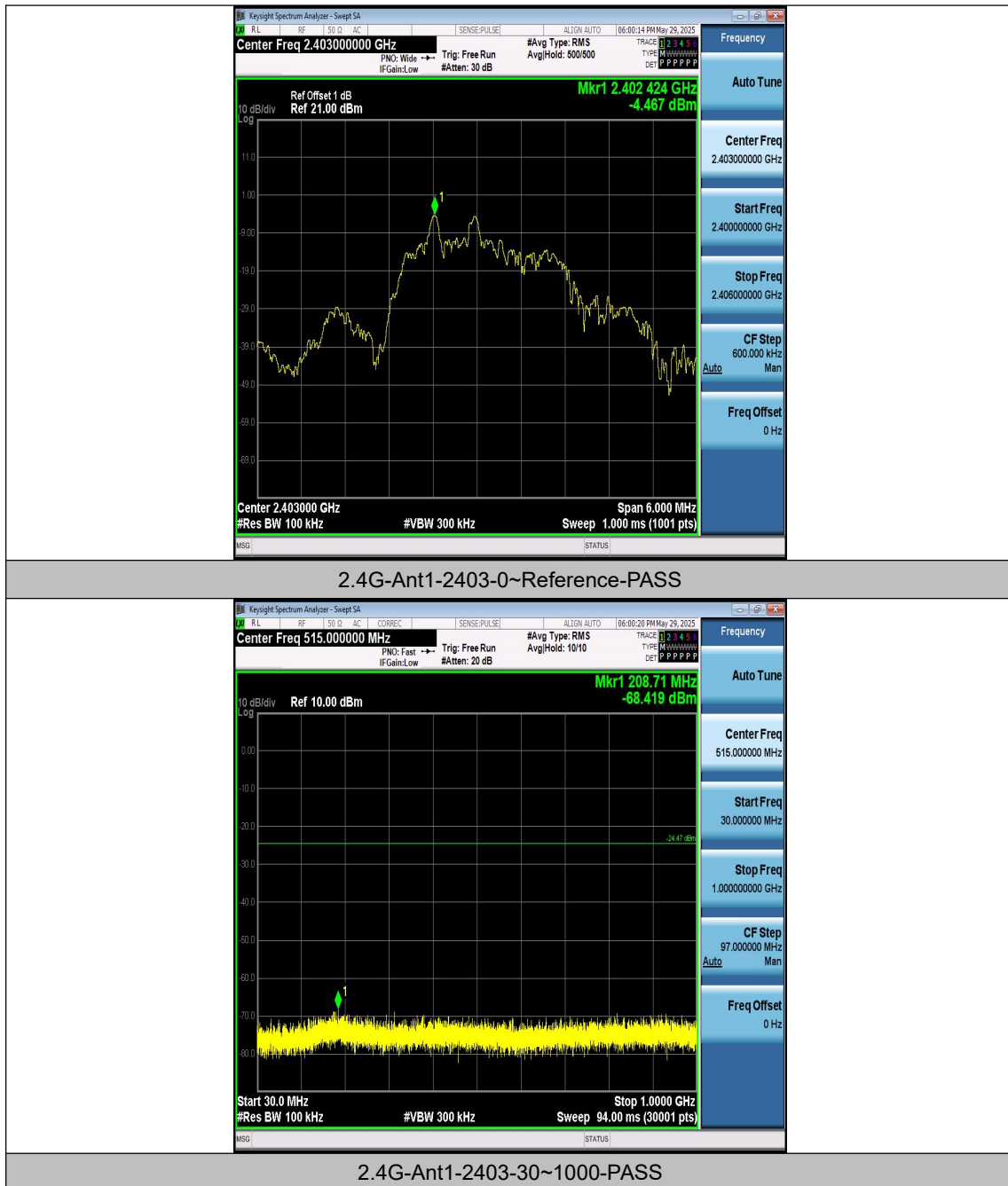
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	0~Reference	-4.47	-4.47	---	PASS
2.4G	Ant1	2403	30~1000	-4.47	-68.42	≤-24.47	PASS
2.4G	Ant1	2403	1000~26500	-4.47	-51.79	≤-24.47	PASS
2.4G	Ant1	2441	0~Reference	-5.06	-5.06	---	PASS
2.4G	Ant1	2441	30~1000	-5.06	-67.26	≤-25.06	PASS
2.4G	Ant1	2441	1000~26500	-5.06	-35.49	≤-25.06	PASS
2.4G	Ant1	2480	0~Reference	-5.54	-5.54	---	PASS
2.4G	Ant1	2480	30~1000	-5.54	-68.14	≤-25.54	PASS
2.4G	Ant1	2480	1000~26500	-5.54	-53.7	≤-25.54	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose and attenuator factors have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

Test Graphs



Shenzhen Anbotech Compliance Laboratory Limited

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@anbotech.com



Hotline
400-003-0500
www.anbotech.com

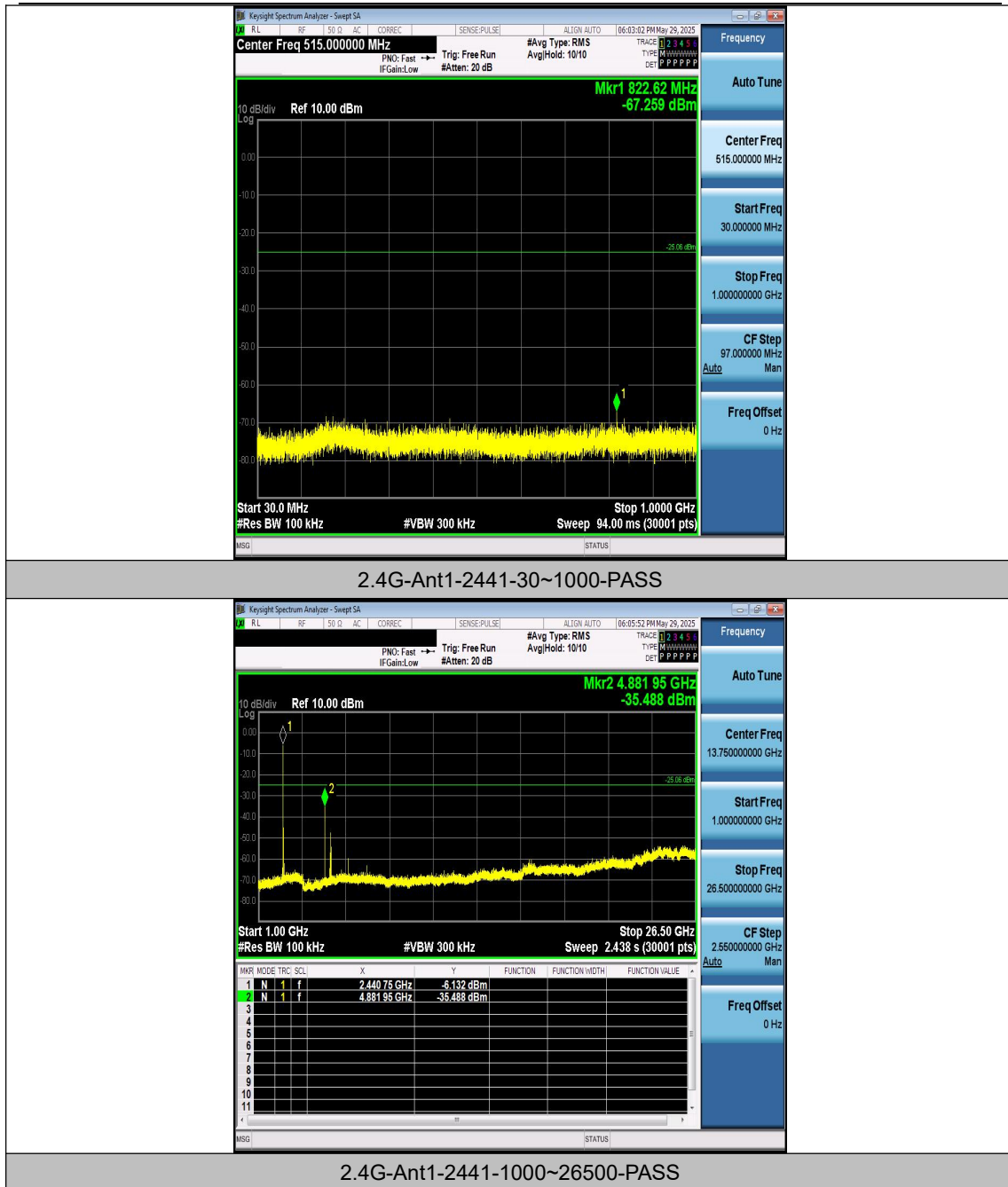


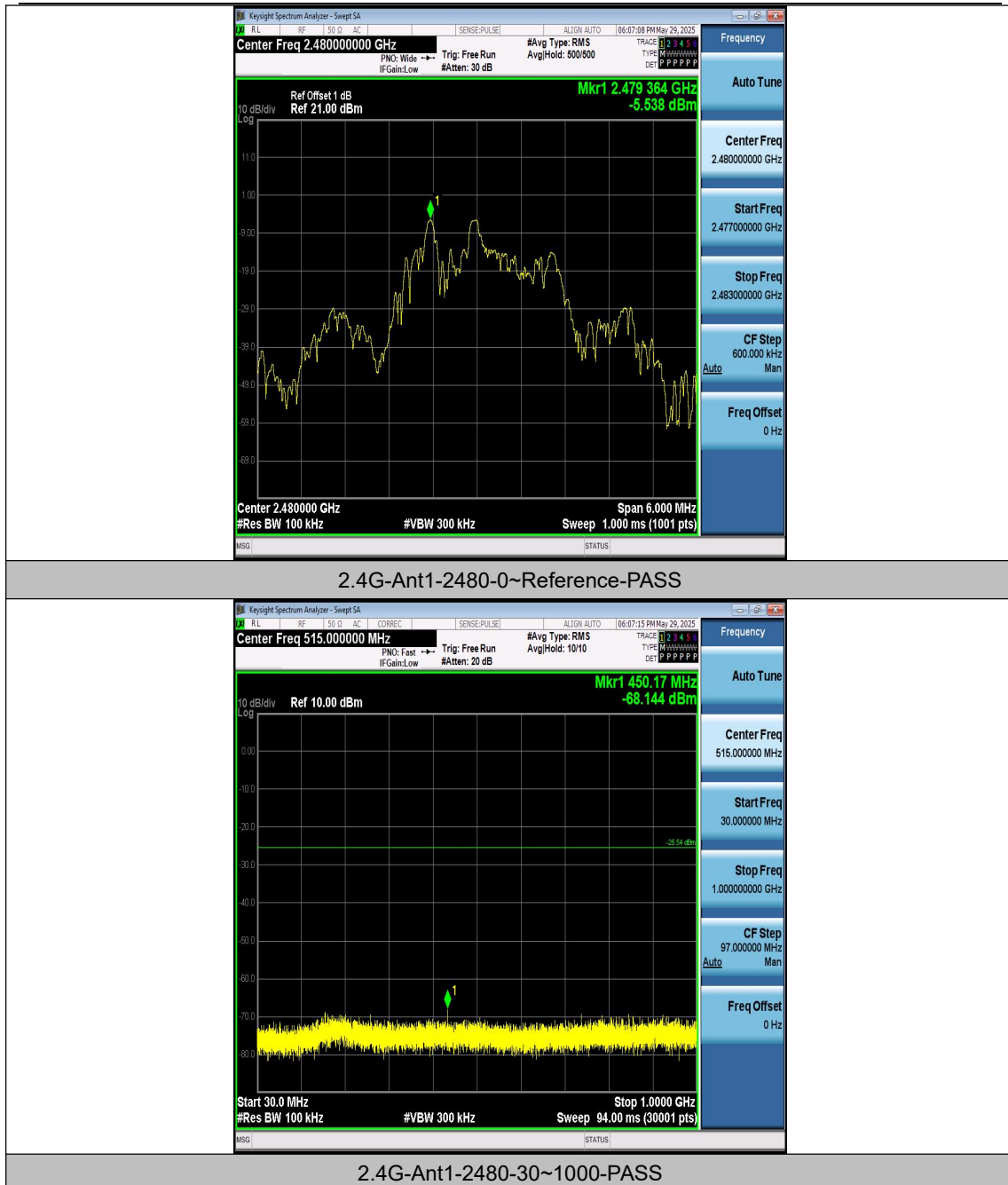
Shenzhen Anbotek Compliance Laboratory Limited

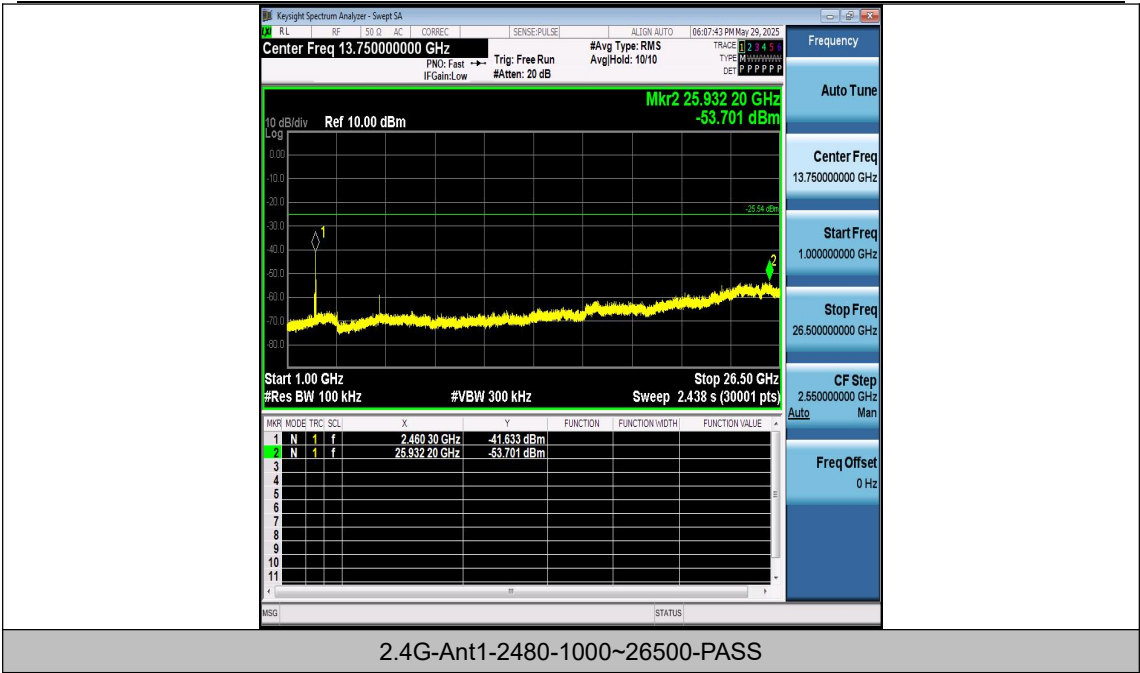
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86) 0755-26066440 Email: service@anbotek.com



Hotline
400-003-0500
www.anbotek.com







Shenzhen Anbotek Compliance Laboratory Limited

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

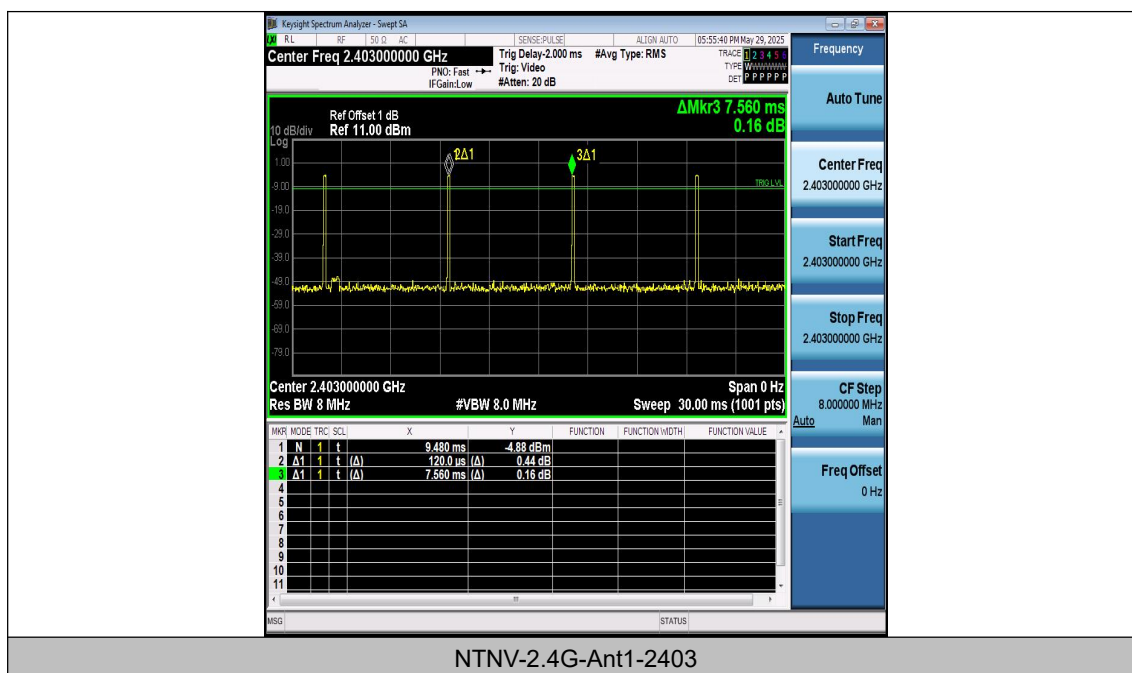
www.anbotek.com

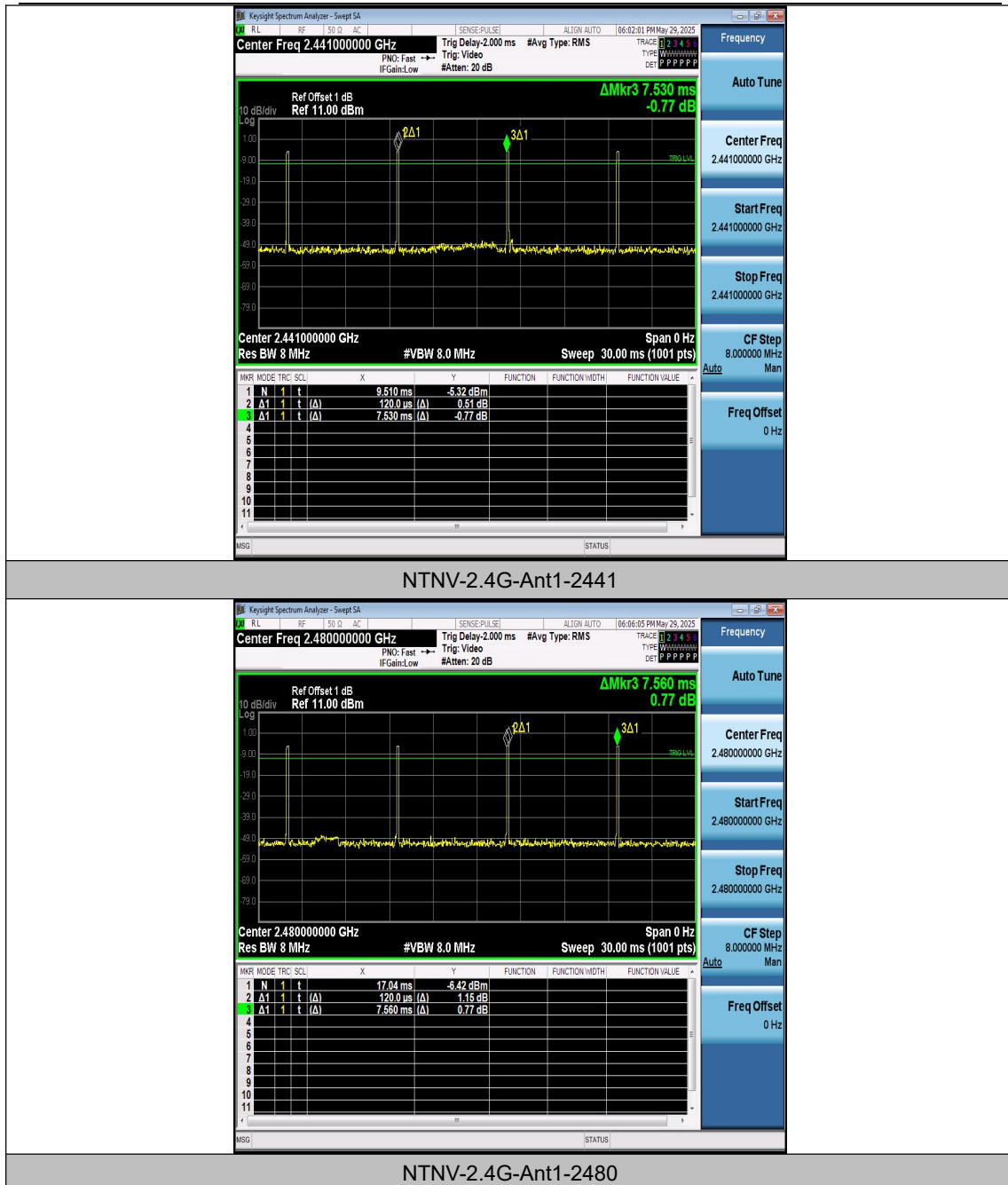
Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2403	0.12	7.56	1.59	17.99
2.4G	Ant1	2441	0.12	7.53	1.59	17.99
2.4G	Ant1	2480	0.12	7.56	1.59	17.99

Test Graphs





---End---

