

Appendix Test Data-ANT2

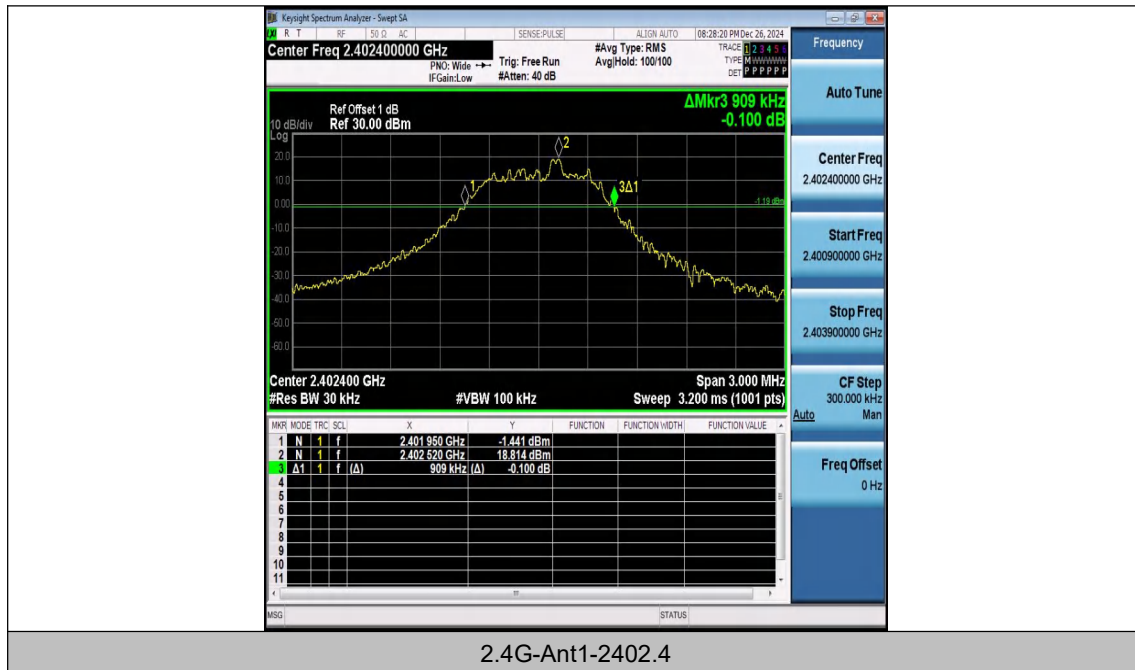
Report No.:	1812C40194712502	Test Sample No.:	1-2-2
Start Test Date:	2024-12-26	Finish Test Date:	2024-12-27
Test Engineer:	<i>Foker Huang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.5°C	Relative Humidity:	47%
Pressure:	101kPa		

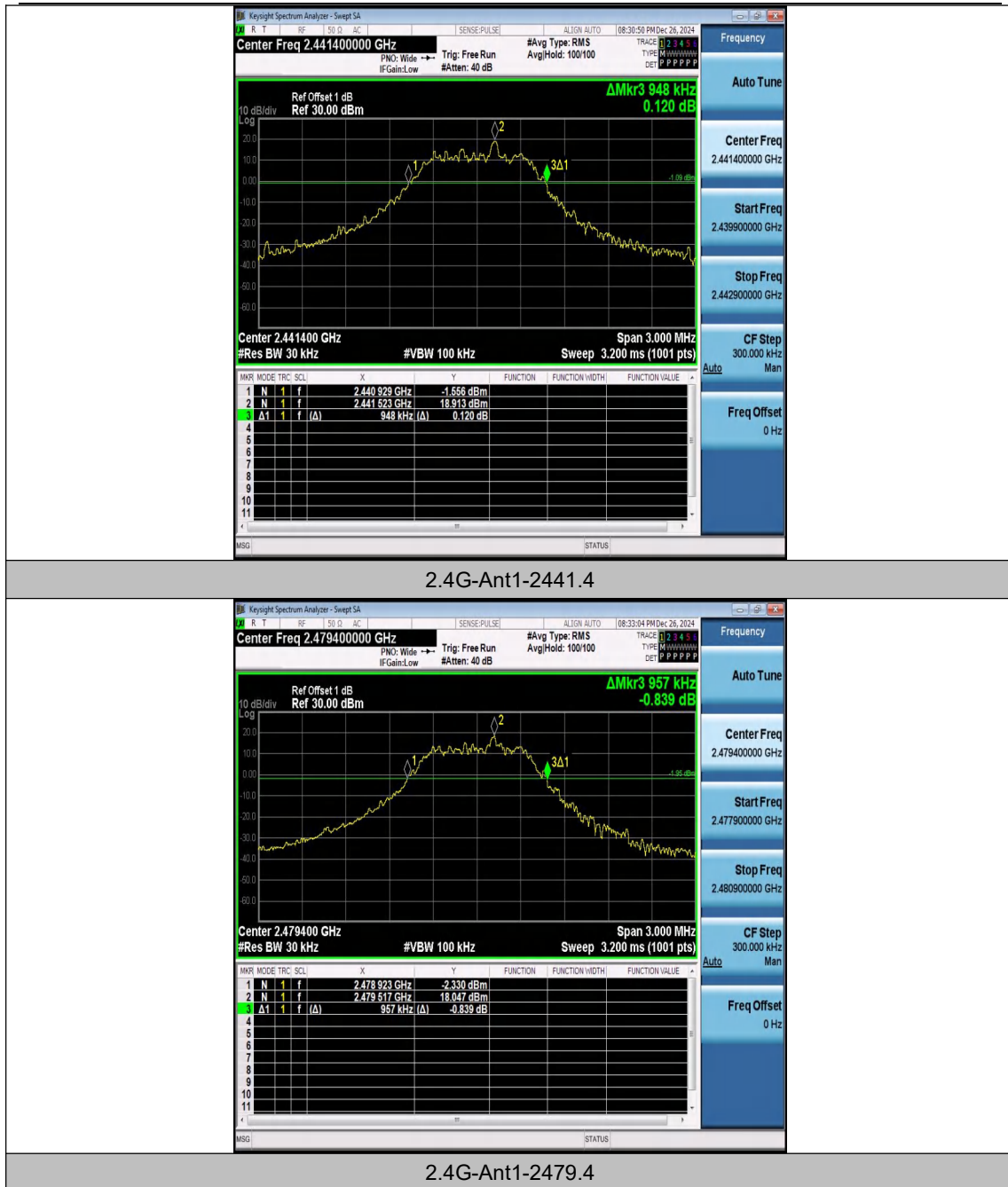
Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402.4	0.909	2401.950	2402.859	---	---
2.4G	Ant1	2441.4	0.948	2440.929	2441.877	---	---
2.4G	Ant1	2479.4	0.957	2478.923	2479.880	---	---

Test Graphs



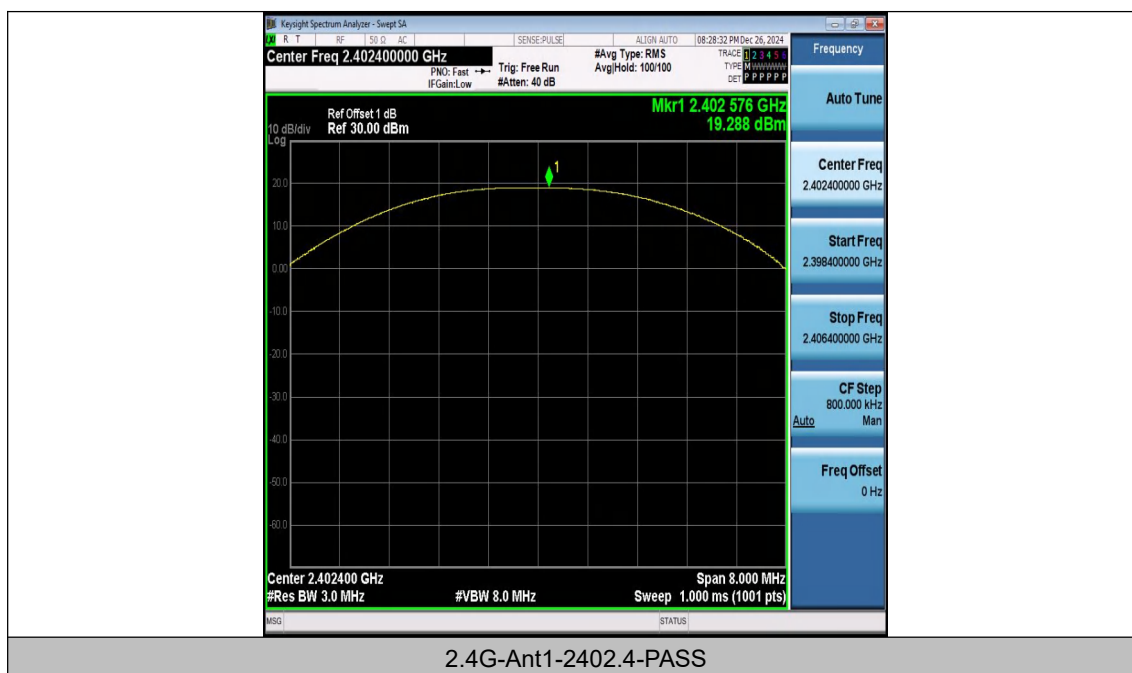


Appendix B: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2402.4	19.29	≤30	PASS
2.4G	Ant1	2441.4	19.05	≤30	PASS
2.4G	Ant1	2479.4	19.73	≤30	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



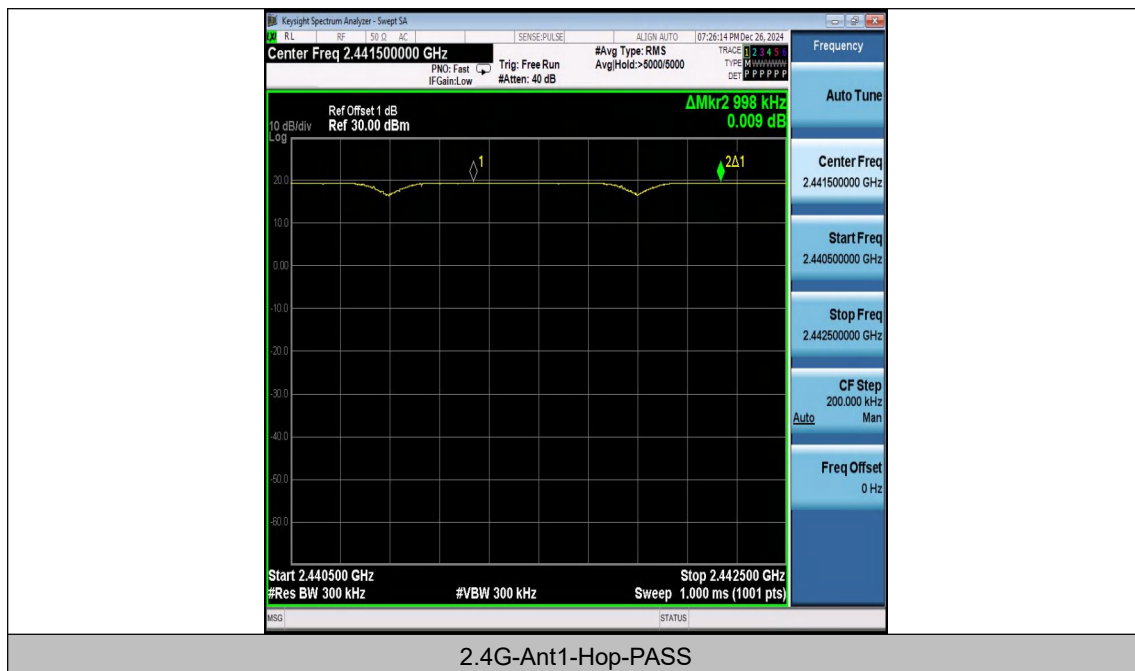
Hotline
400-003-0500
www.anbotech.com

Appendix C: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	0.998	≥0.957	PASS

Test Graphs

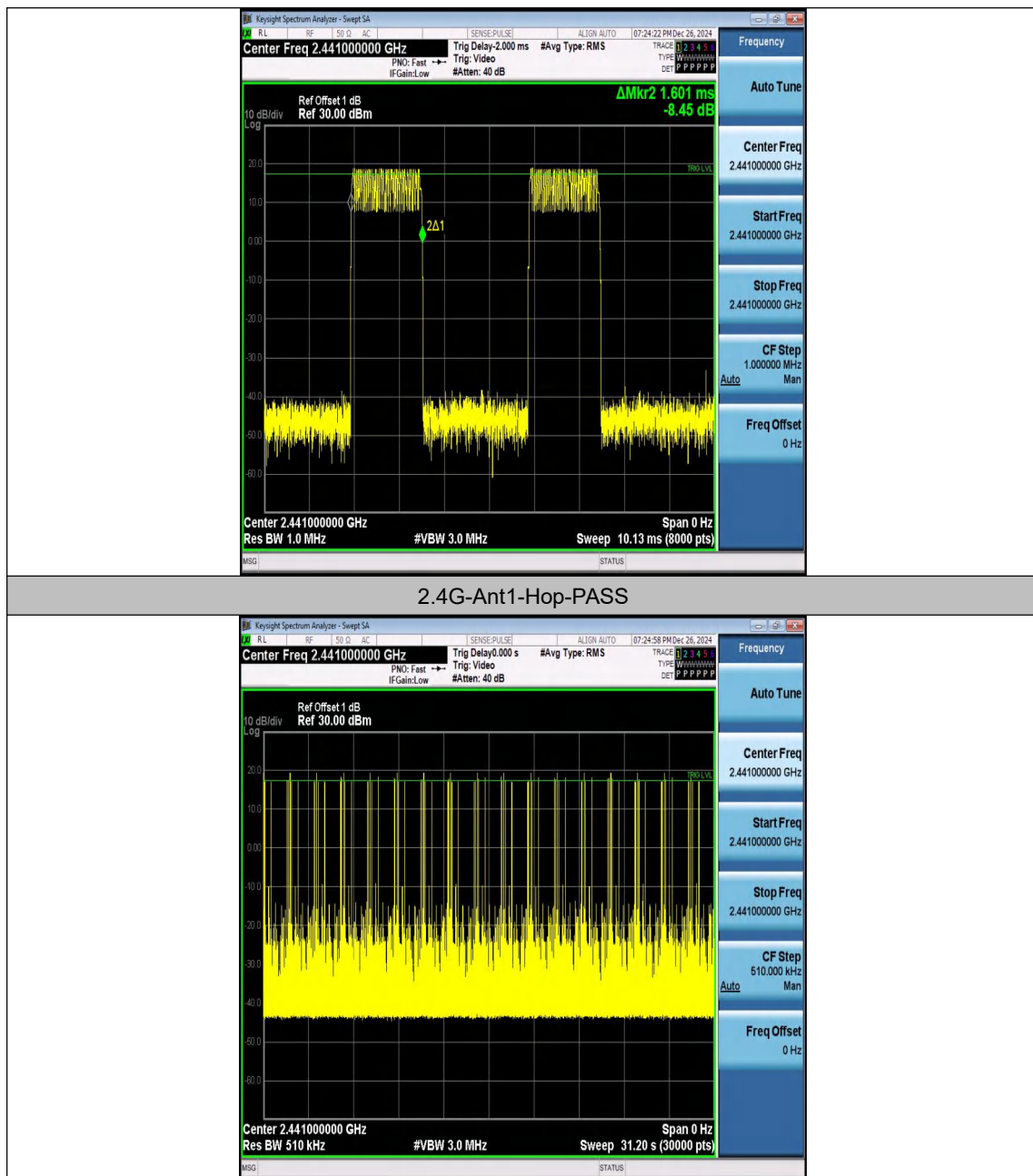


Appendix D: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	1.601	83	0.133	≤0.4	PASS

Test Graphs

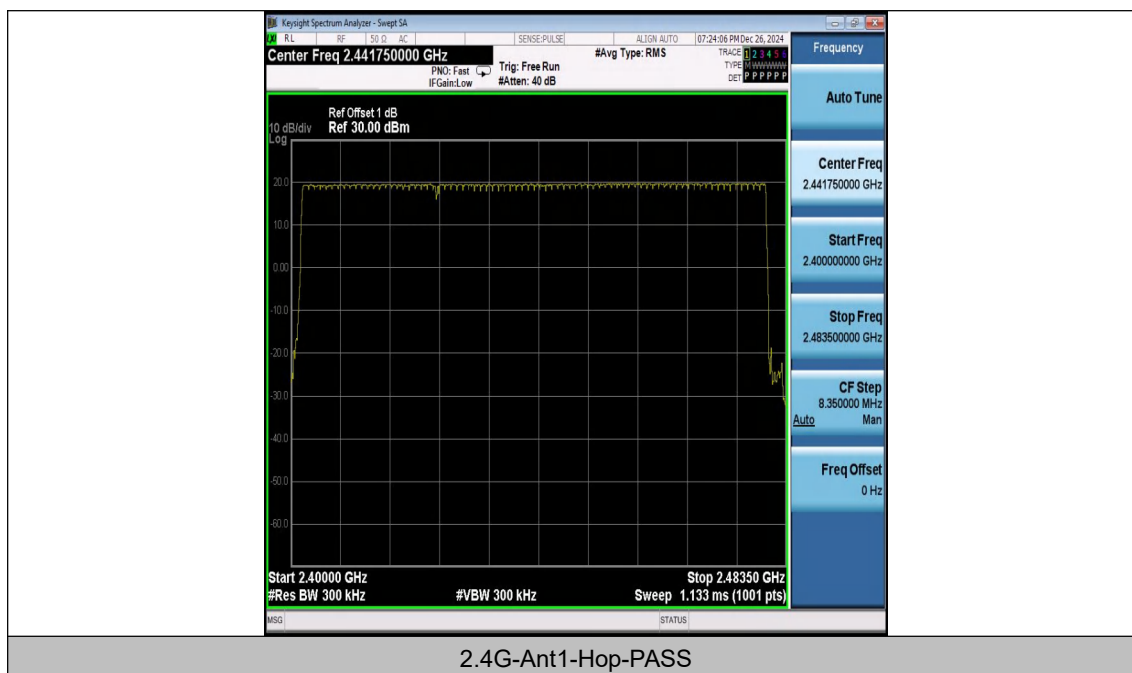


Appendix E: Number of Hopping Channel

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [Num]	Limit [Num]	Verdict
2.4G	Ant1	Hop	78	≥15	PASS

Test Graphs



Appendix F: Conducted Band edge

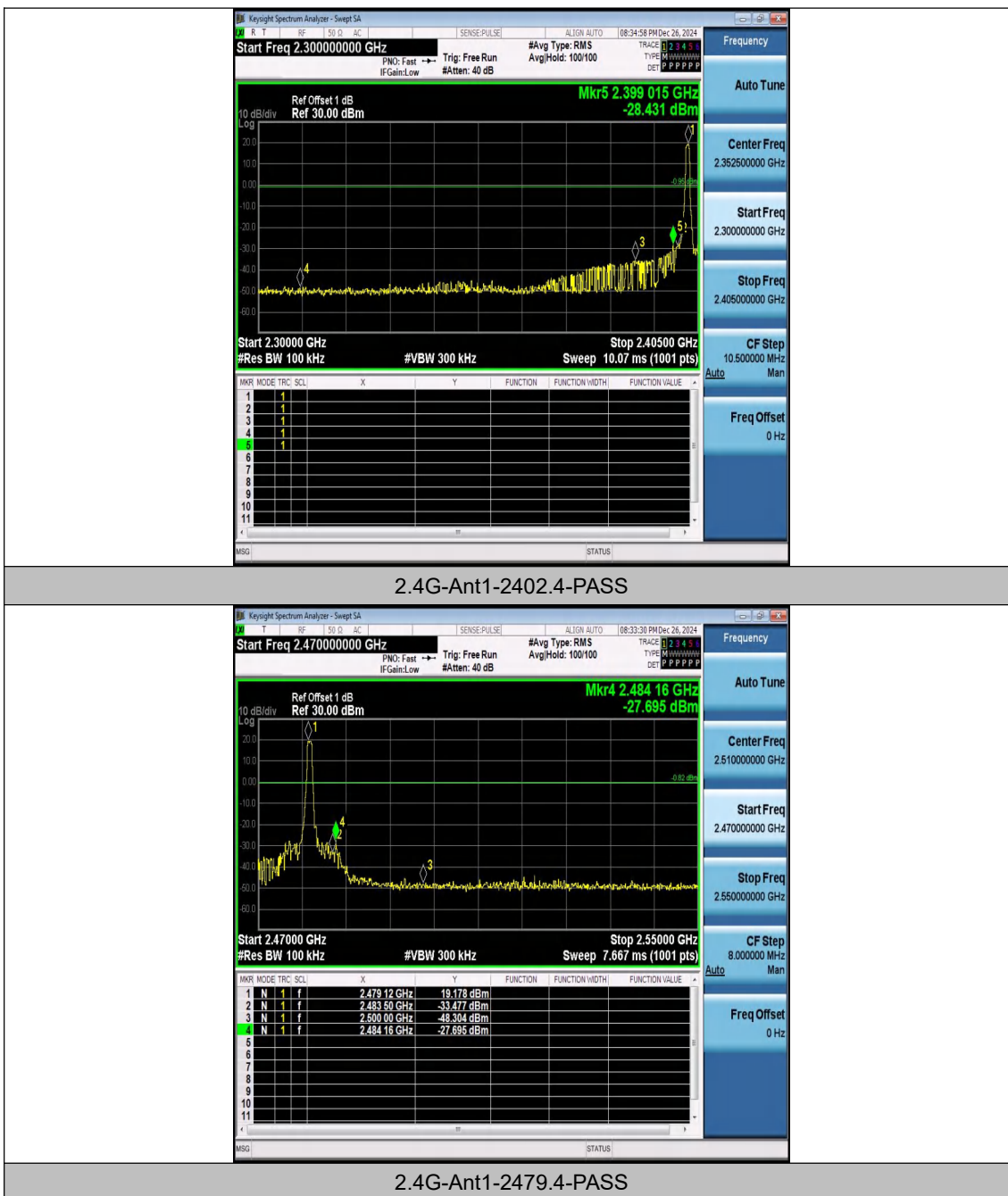
Test Result

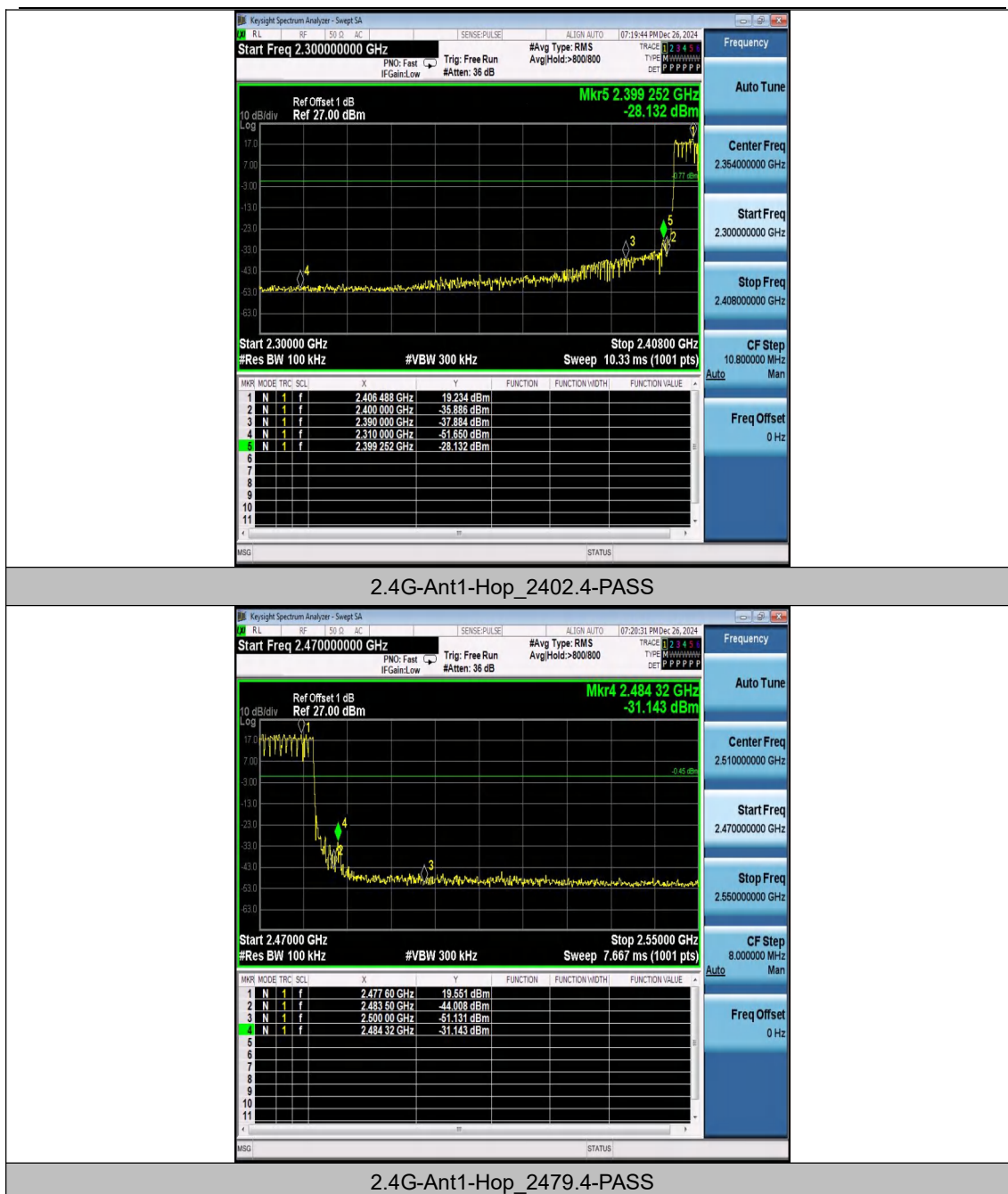
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2402.4	19.05	-28.43	≤ -0.95	PASS
2.4G	Ant1	High	2479.4	19.18	-27.7	≤ -0.82	PASS
2.4G	Ant1	Low	Hop_2402.4	19.23	-28.13	≤ -0.77	PASS
2.4G	Ant1	High	Hop_2479.4	19.55	-31.14	≤ -0.45	PASS

Shenzhen Anbotek Compliance Laboratory Limited



Test Graphs



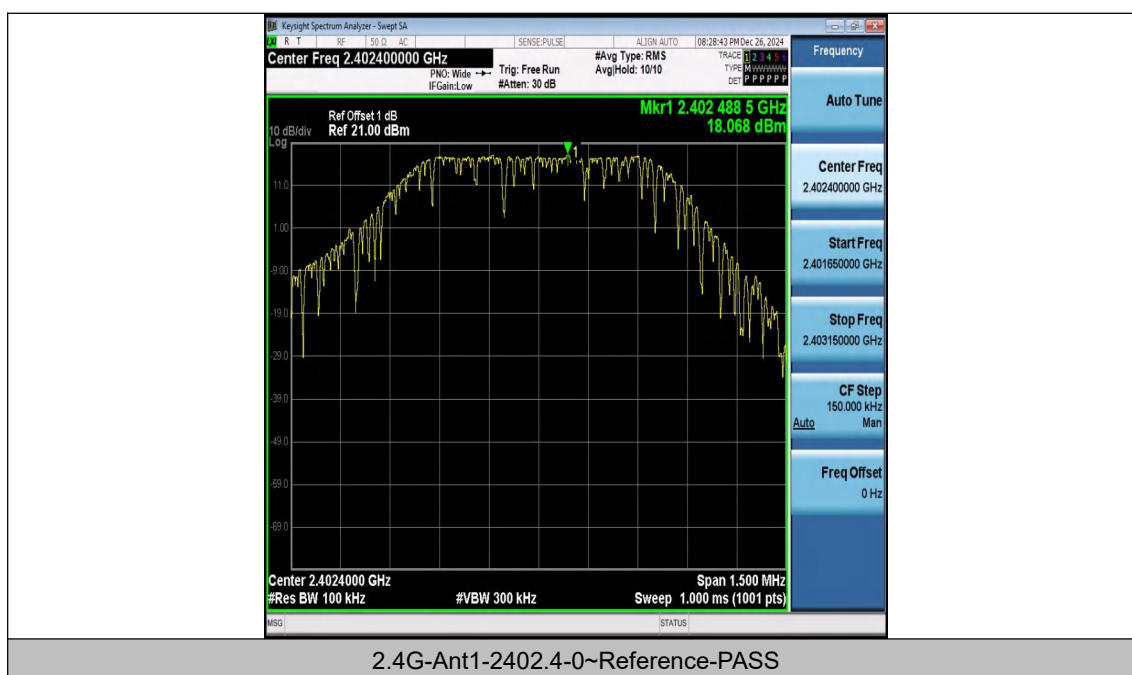


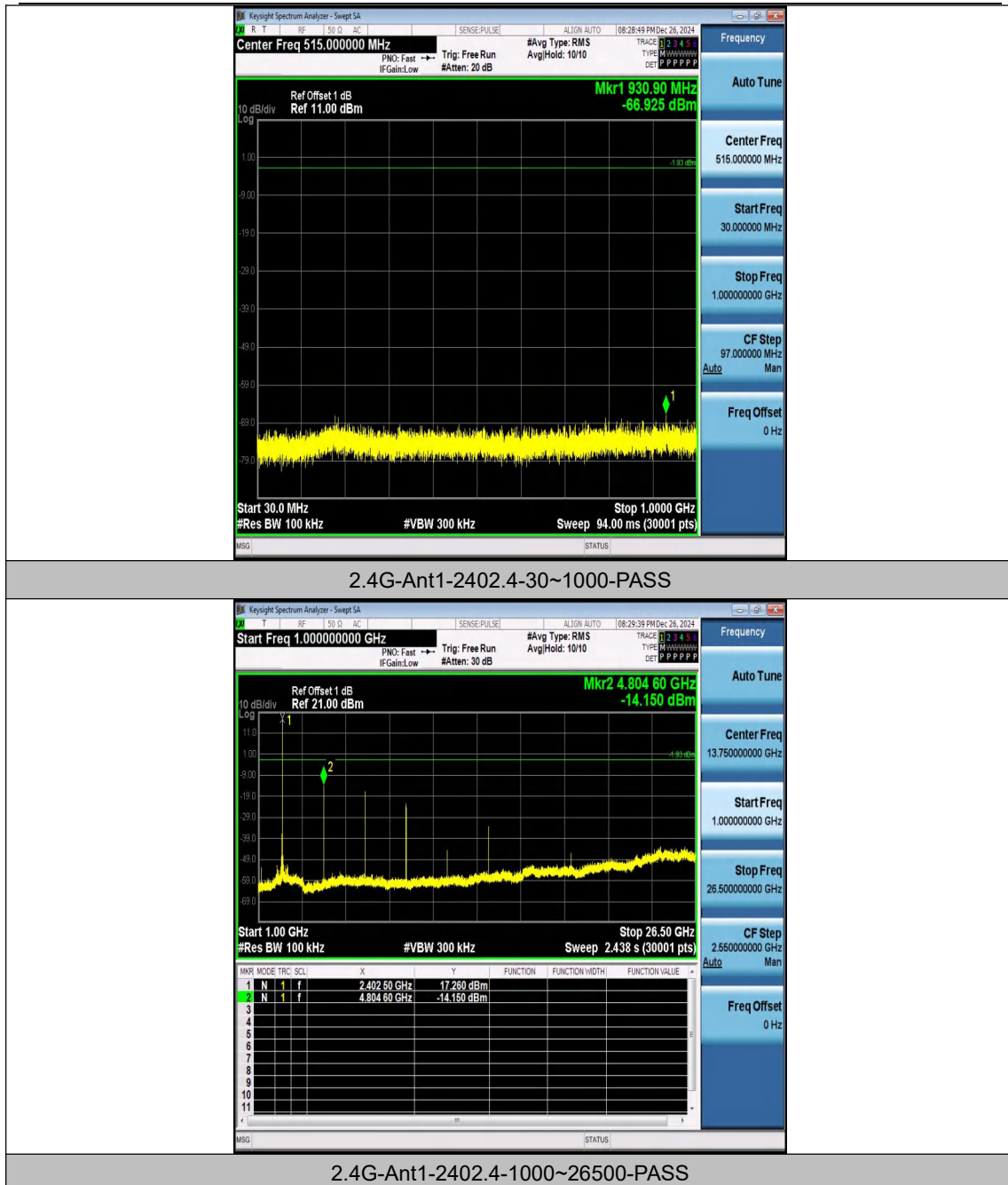
Appendix G: Conducted Spurious Emission

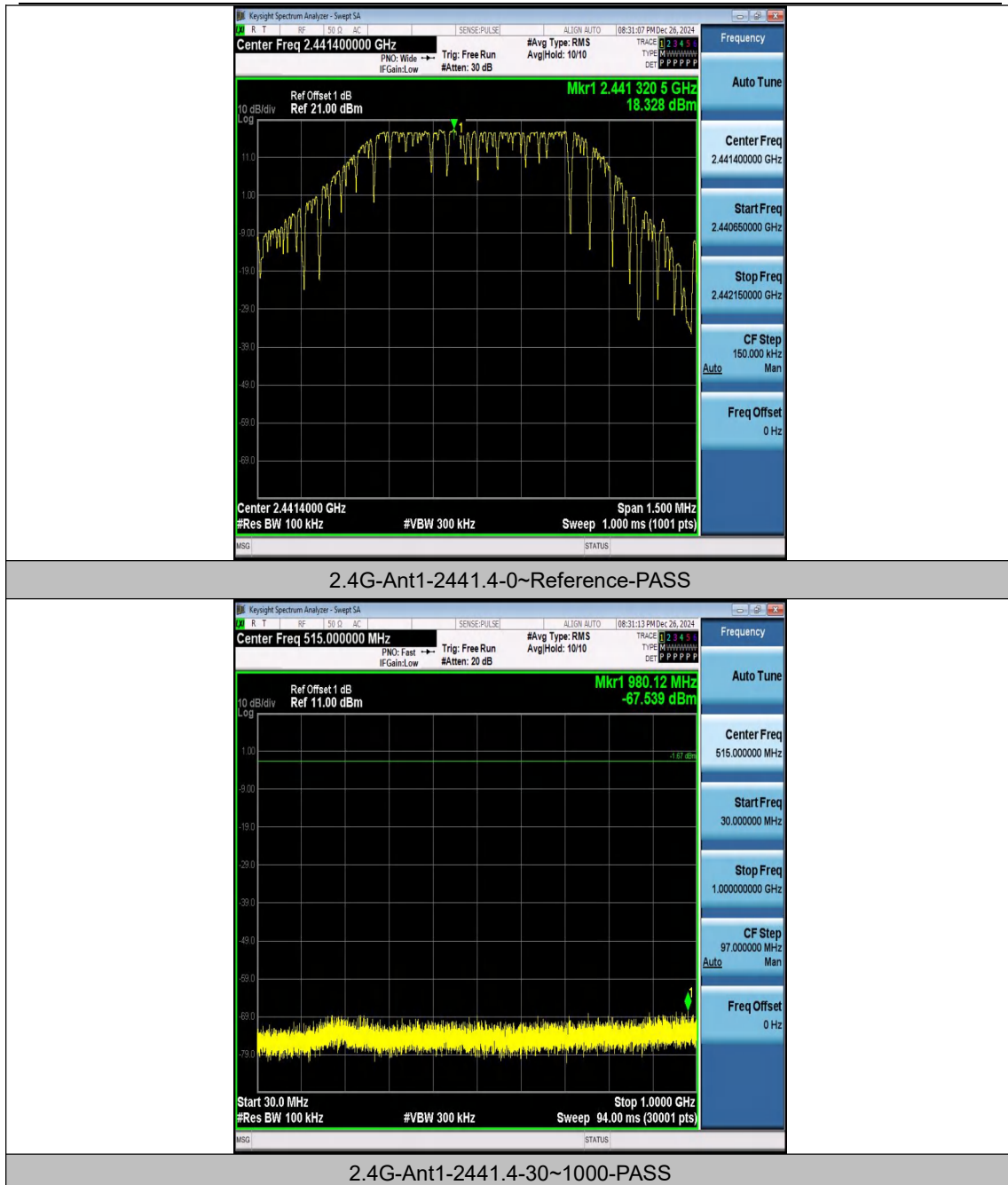
Test Result

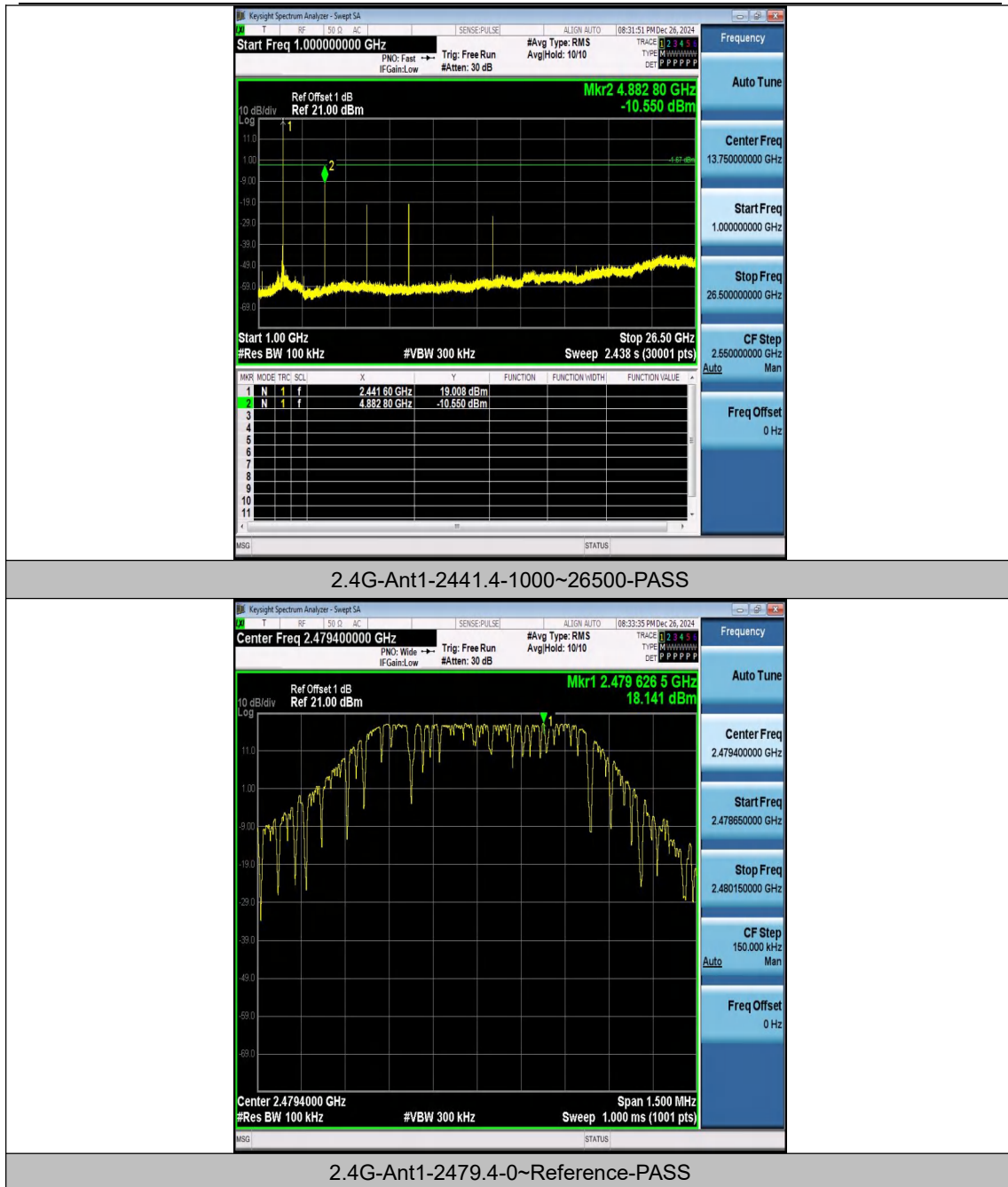
Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2402.4	0~Reference	18.07	18.07	---	PASS
2.4G	Ant1	2402.4	30~1000	18.07	-66.93	≤-1.93	PASS
2.4G	Ant1	2402.4	1000~26500	18.07	-14.15	≤-1.93	PASS
2.4G	Ant1	2441.4	0~Reference	18.33	18.33	---	PASS
2.4G	Ant1	2441.4	30~1000	18.33	-67.54	≤-1.67	PASS
2.4G	Ant1	2441.4	1000~26500	18.33	-10.55	≤-1.67	PASS
2.4G	Ant1	2479.4	0~Reference	18.14	18.14	---	PASS
2.4G	Ant1	2479.4	30~1000	18.14	-66.1	≤-1.86	PASS
2.4G	Ant1	2479.4	1000~26500	18.14	-9.7	≤-1.86	PASS

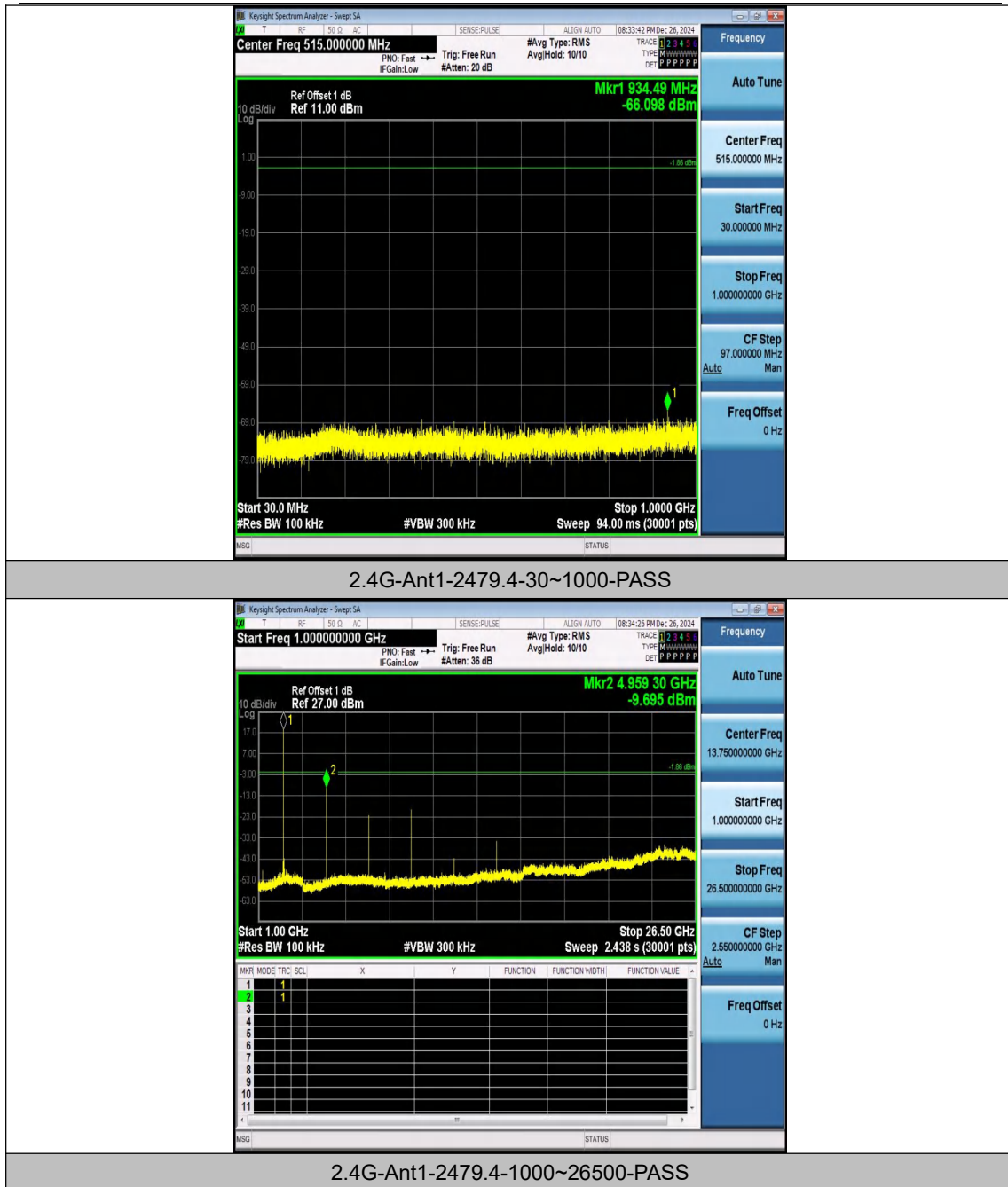
Test Graphs











Appendix H: Duty Cycle

Test Result

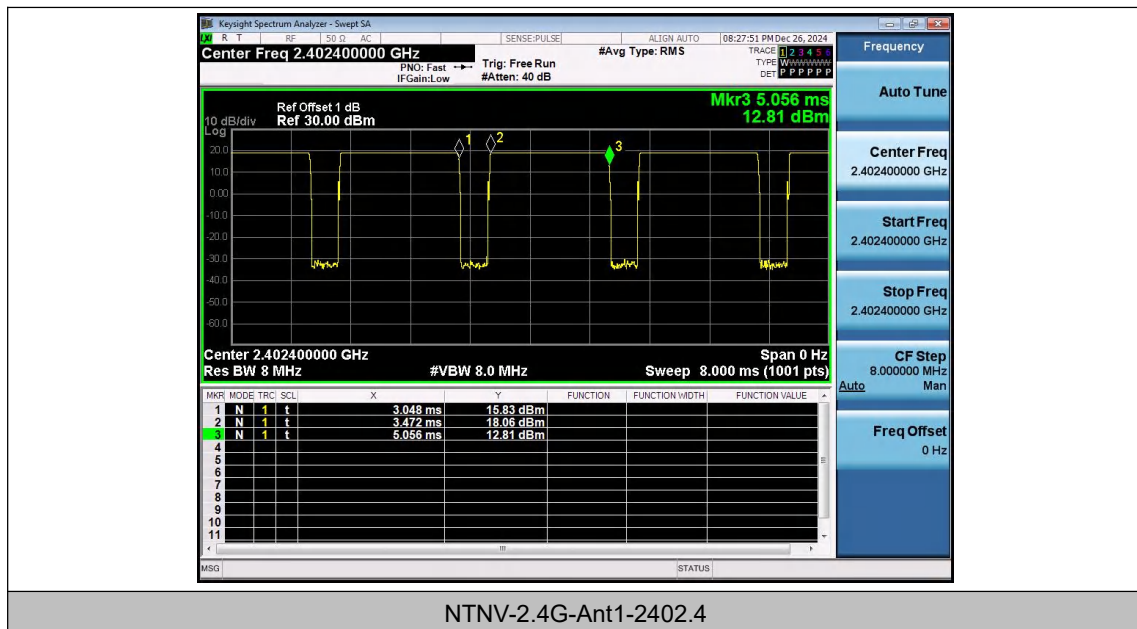
Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2402.4	1.58	2.01	78.61	1.05
2.4G	Ant1	2441.4	1.61	2.01	80.10	0.96
2.4G	Ant1	2479.4	1.58	2.00	79.00	1.02

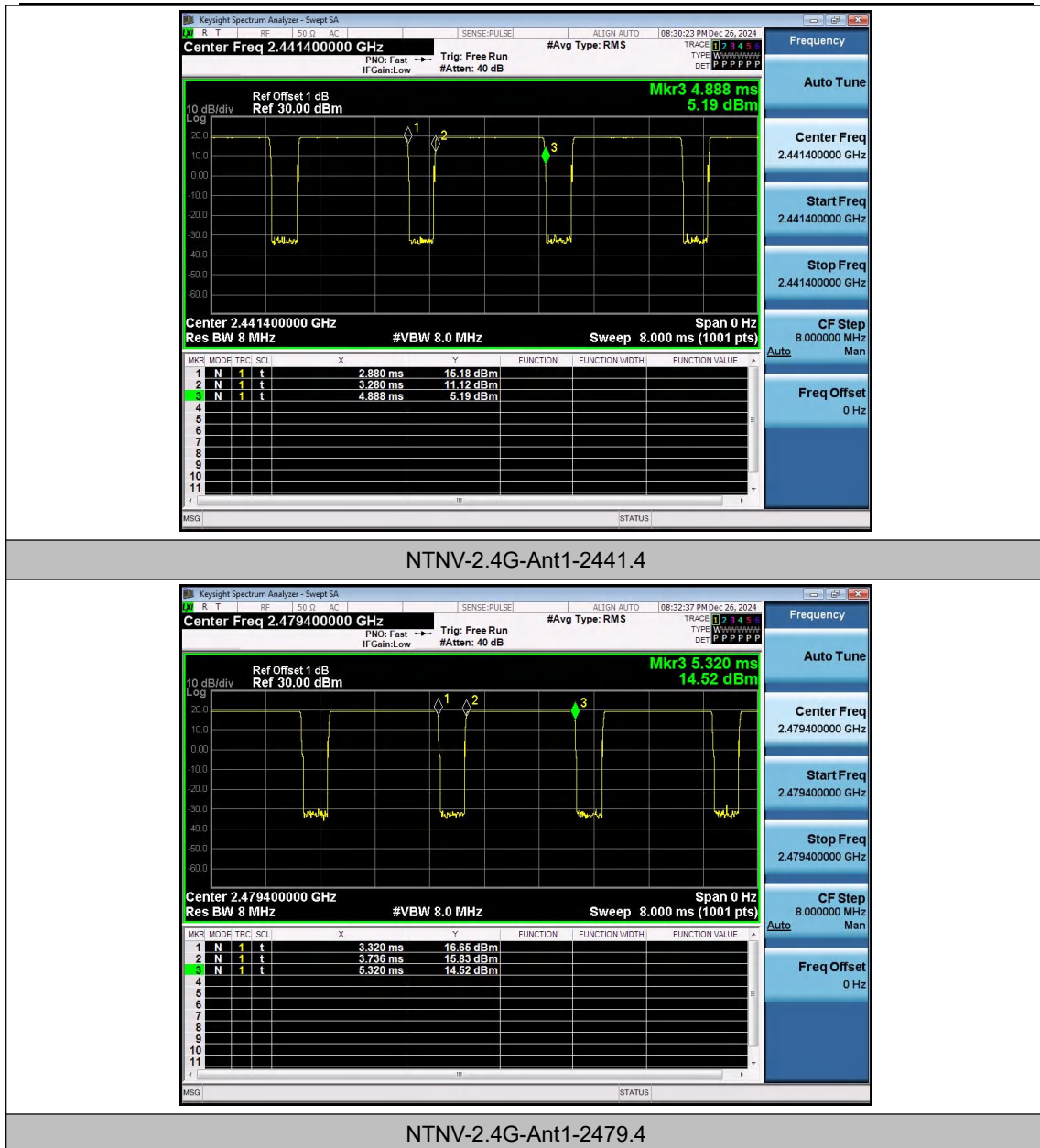
Note:

ON Time[ms]=Mkr3-Mkr2

Period[ms]=ON Time+Mkr2-Mkr1

Test Graphs





---END---