

Appendix Test Data-ANT1

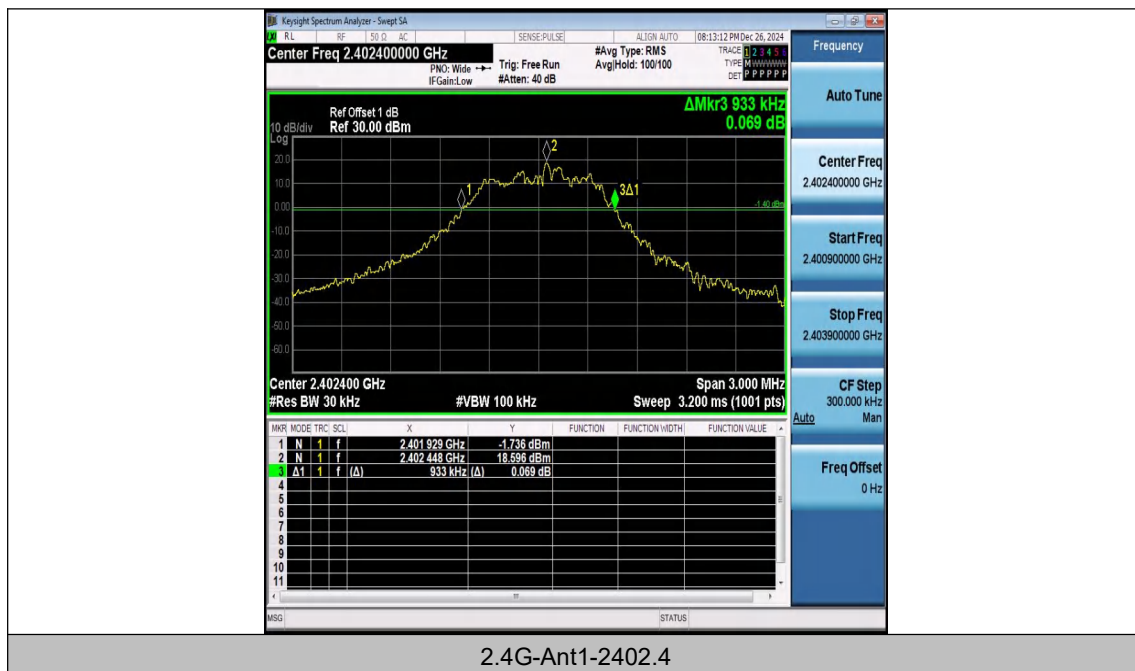
Report No.:	1812C40194712502	Test Sample No.:	1-2-2
Start Test Date:	2024-12-27	Finish Test Date:	2024-12-27
Test Engineer:	<i>Joker Huang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.5°C	Relative Humidity:	47%
Pressure:	101kPa		

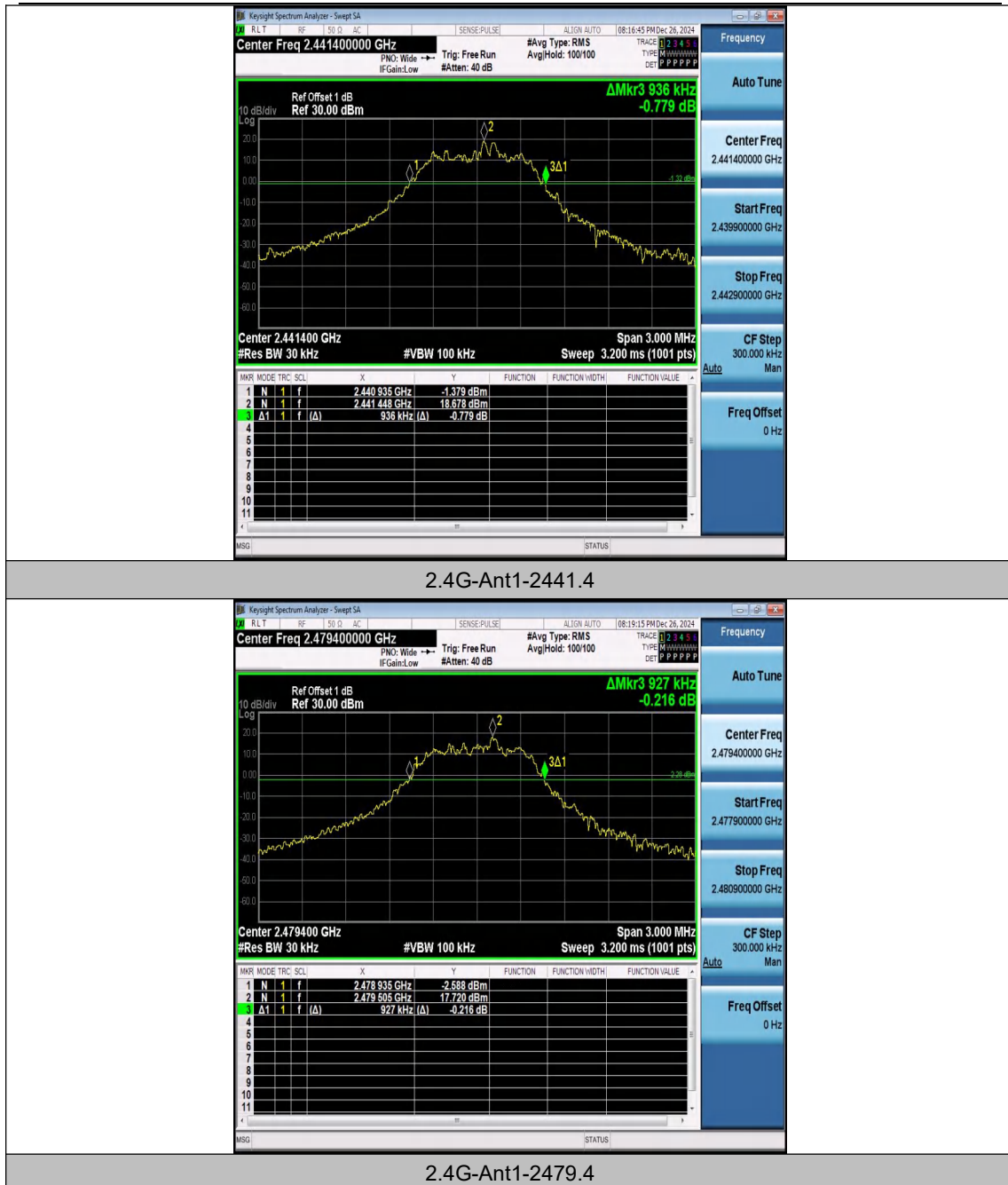
Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402.4	0.933	2401.929	2402.862	---	---
2.4G	Ant1	2441.4	0.936	2440.935	2441.871	---	---
2.4G	Ant1	2479.4	0.927	2478.935	2479.862	---	---

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

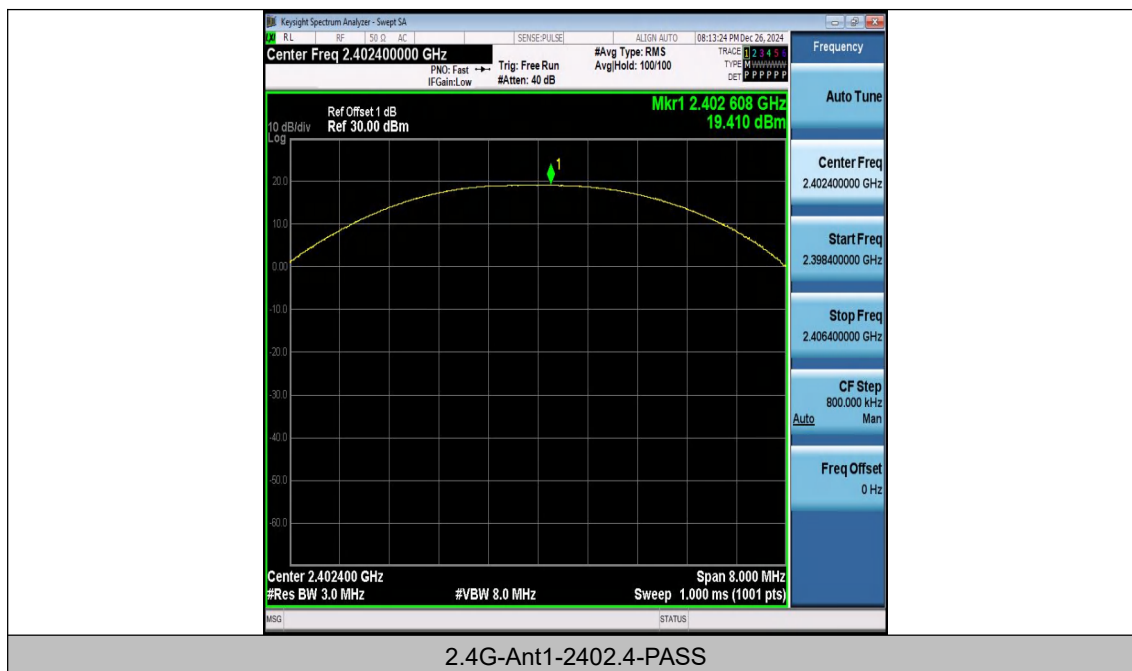
Hotline 400-003-0500
www.anbotech.com

Appendix 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	19.41	≤30	PASS
2.4G	Ant1	2441.4	19.12	≤30	PASS
2.4G	Ant1	2479.4	19.36	≤30	PASS

Test Graphs





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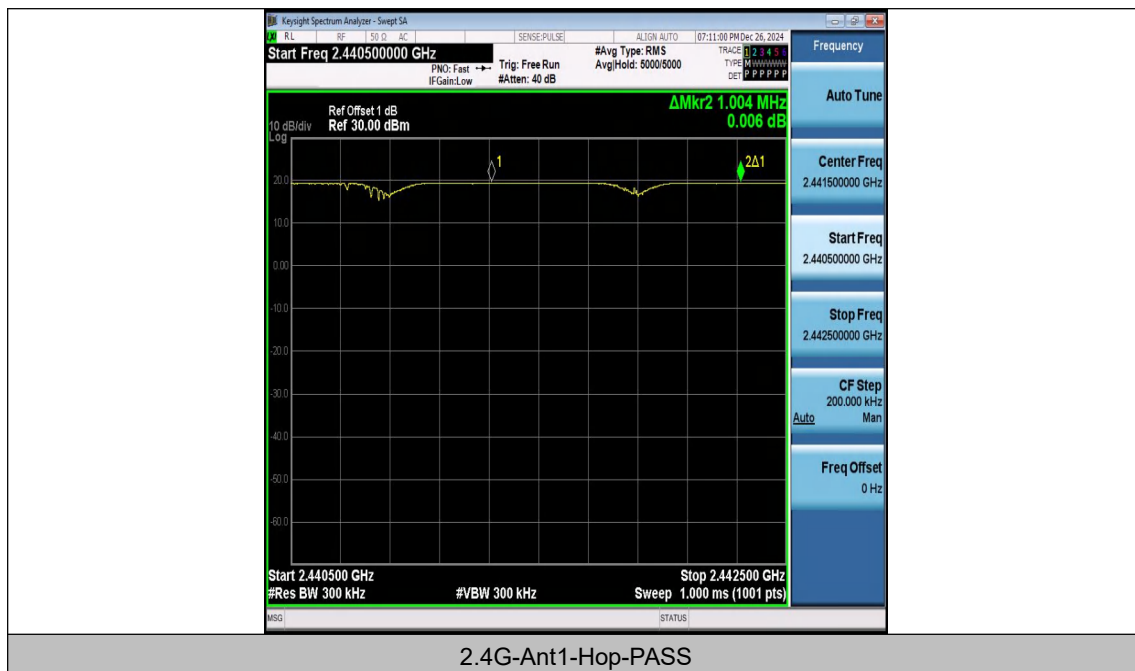
Hotline
400-003-0500
www.anbotech.com

Appendix C: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	1.004	≥0.936	PASS

Test Graphs

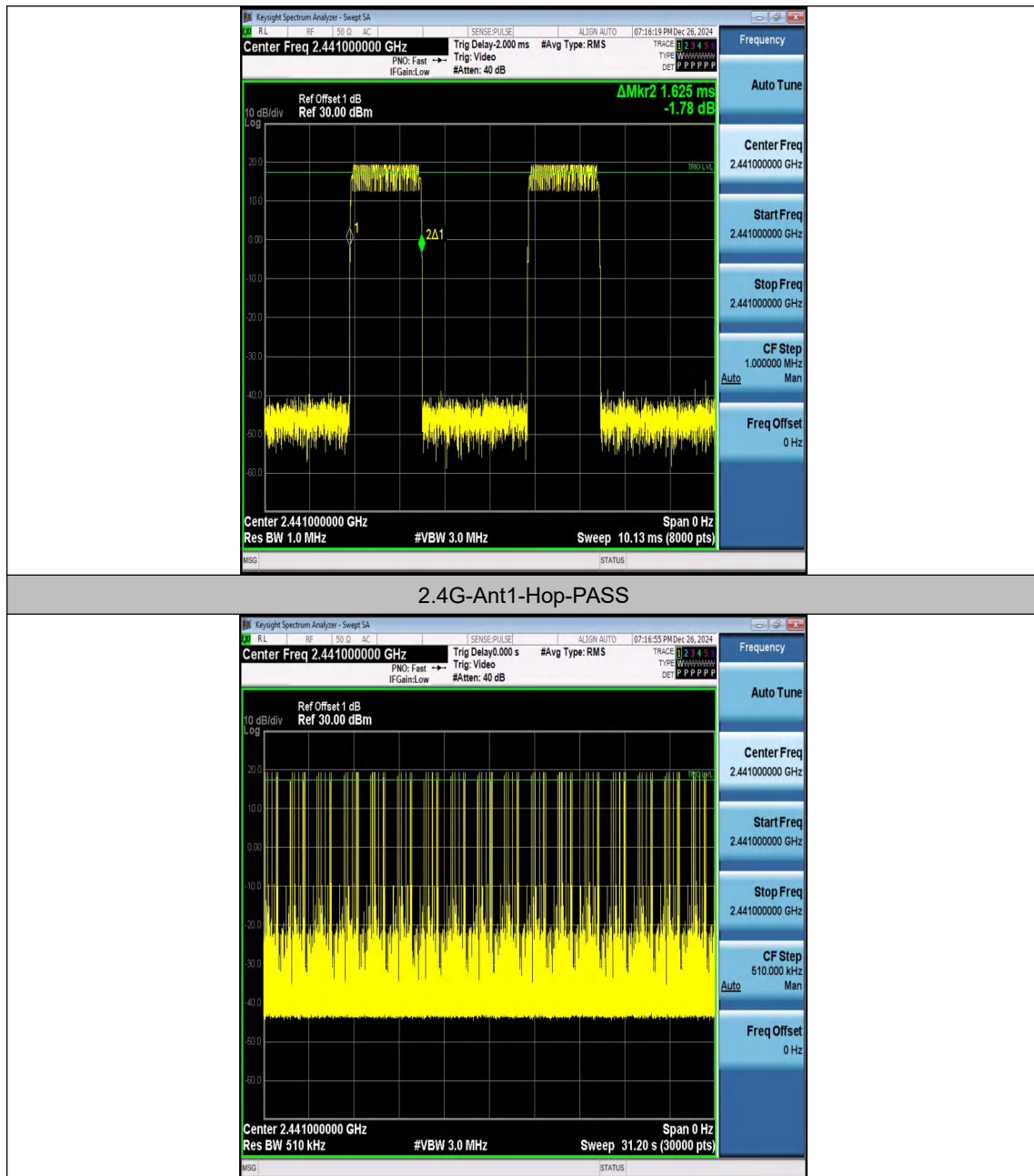


Appendix D: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	1.625	118	0.192	≤0.4	PASS

Test Graphs

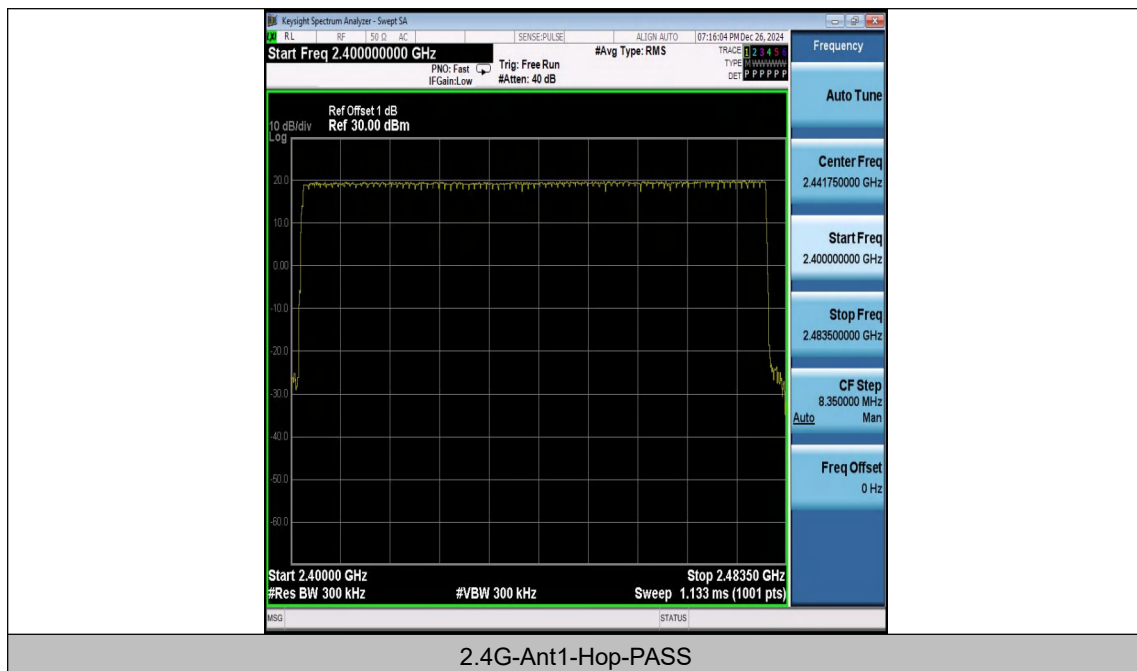


Appendix E: Number of Hopping Channel

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

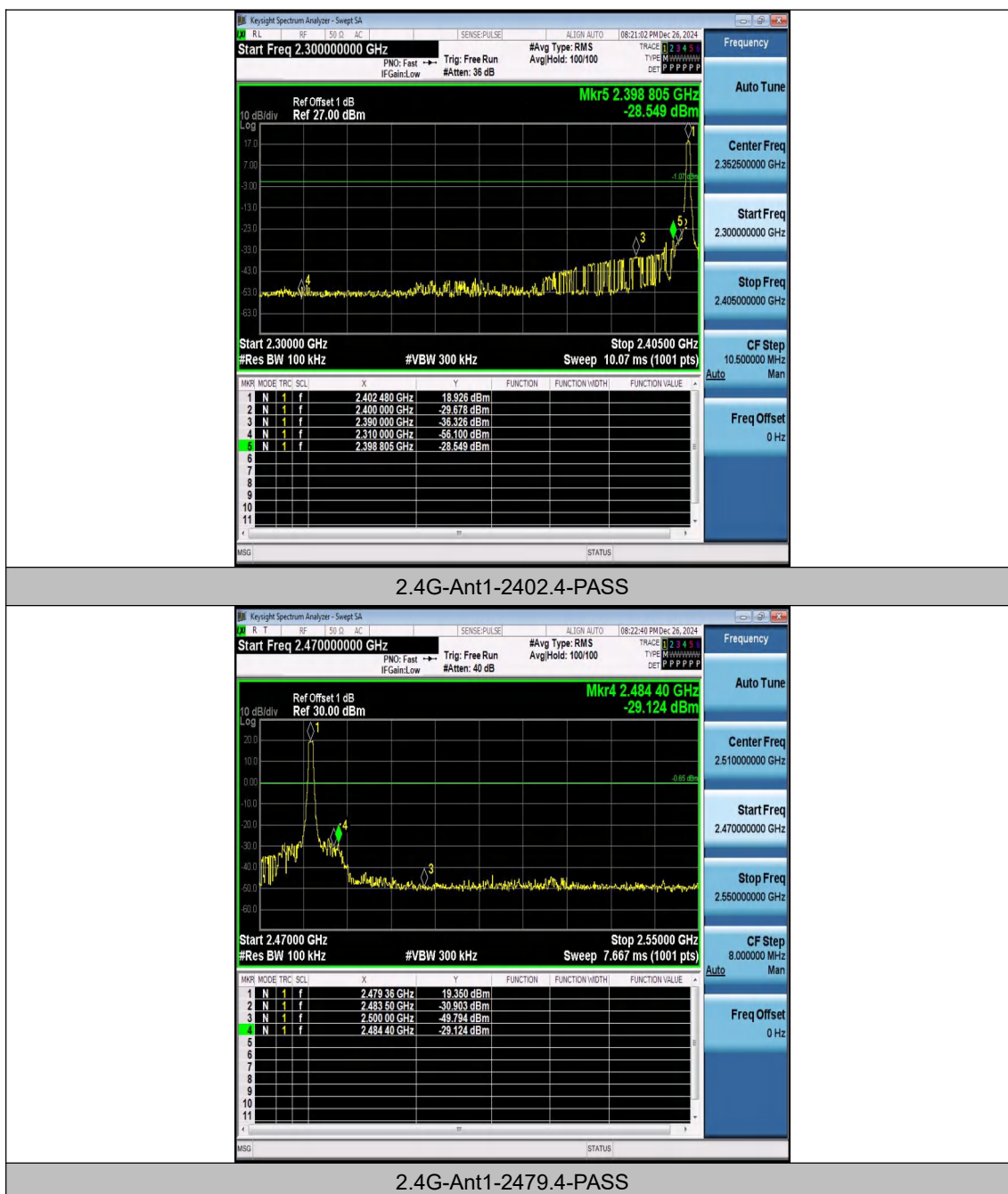
Test Result

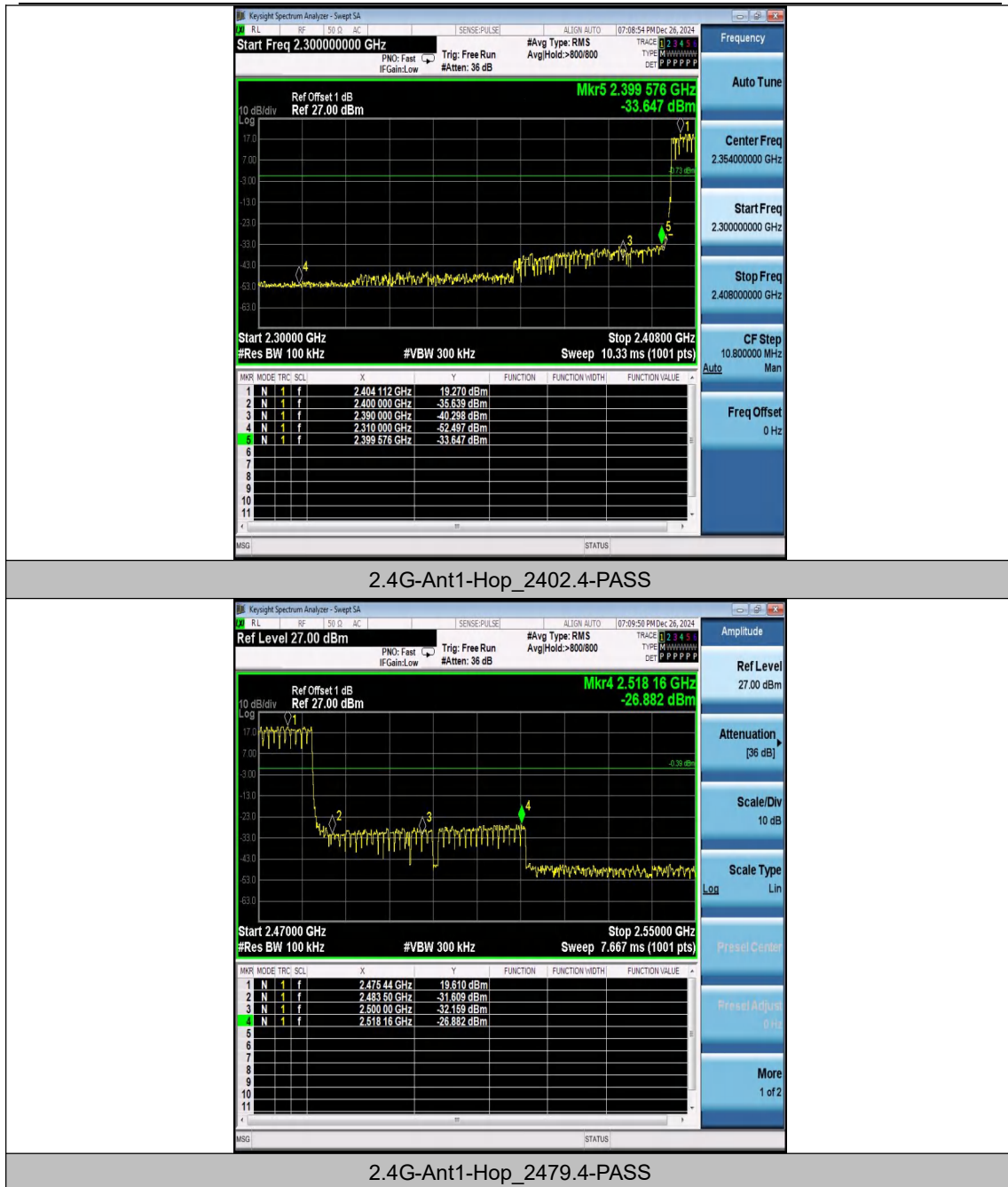
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2402.4	18.93	-28.55	≤ -1.07	PASS
2.4G	Ant1	High	2479.4	19.35	-29.12	≤ -0.65	PASS
2.4G	Ant1	Low	Hop_2402.4	19.27	-33.65	≤ -0.73	PASS
2.4G	Ant1	High	Hop_2479.4	19.61	-26.88	≤ -0.39	PASS

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Test Graphs



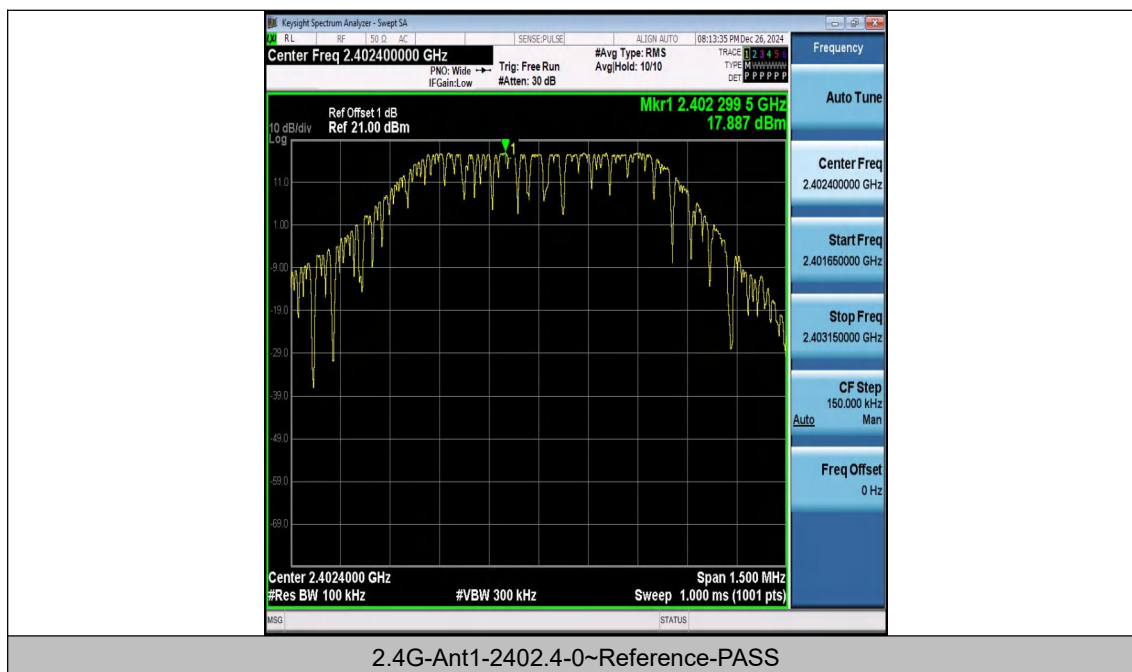


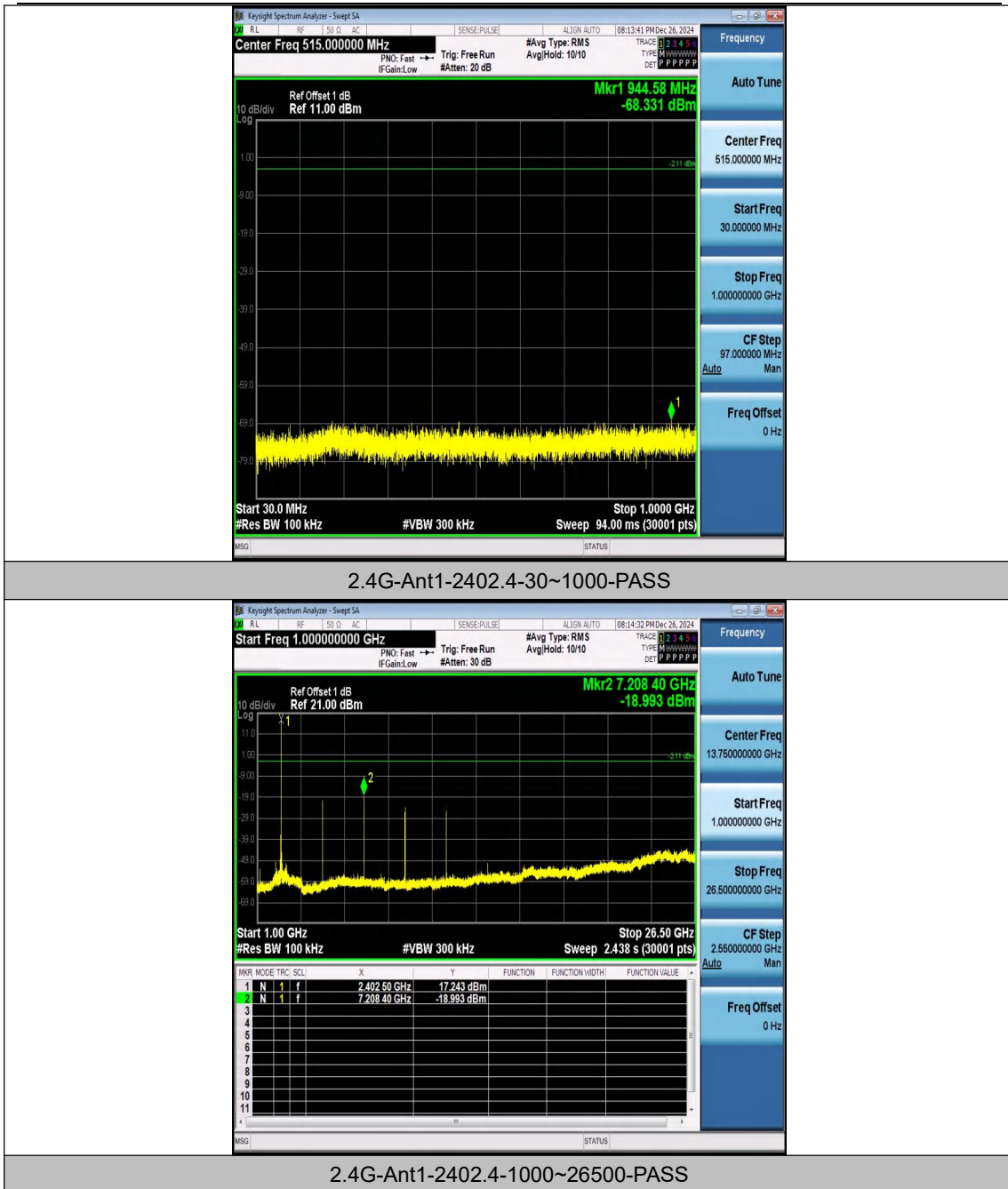
Appendix G: Conducted Spurious Emission

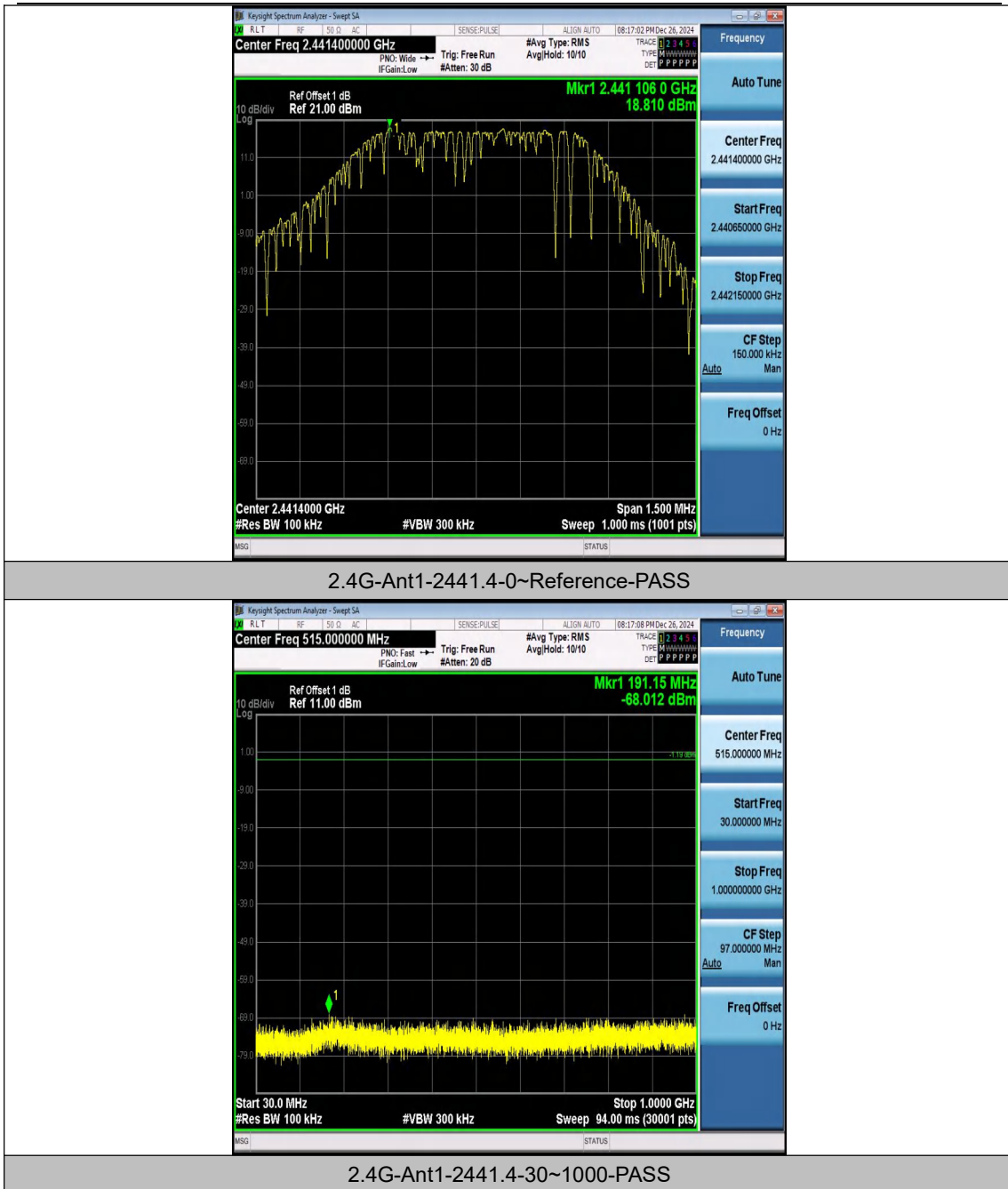
Test Result

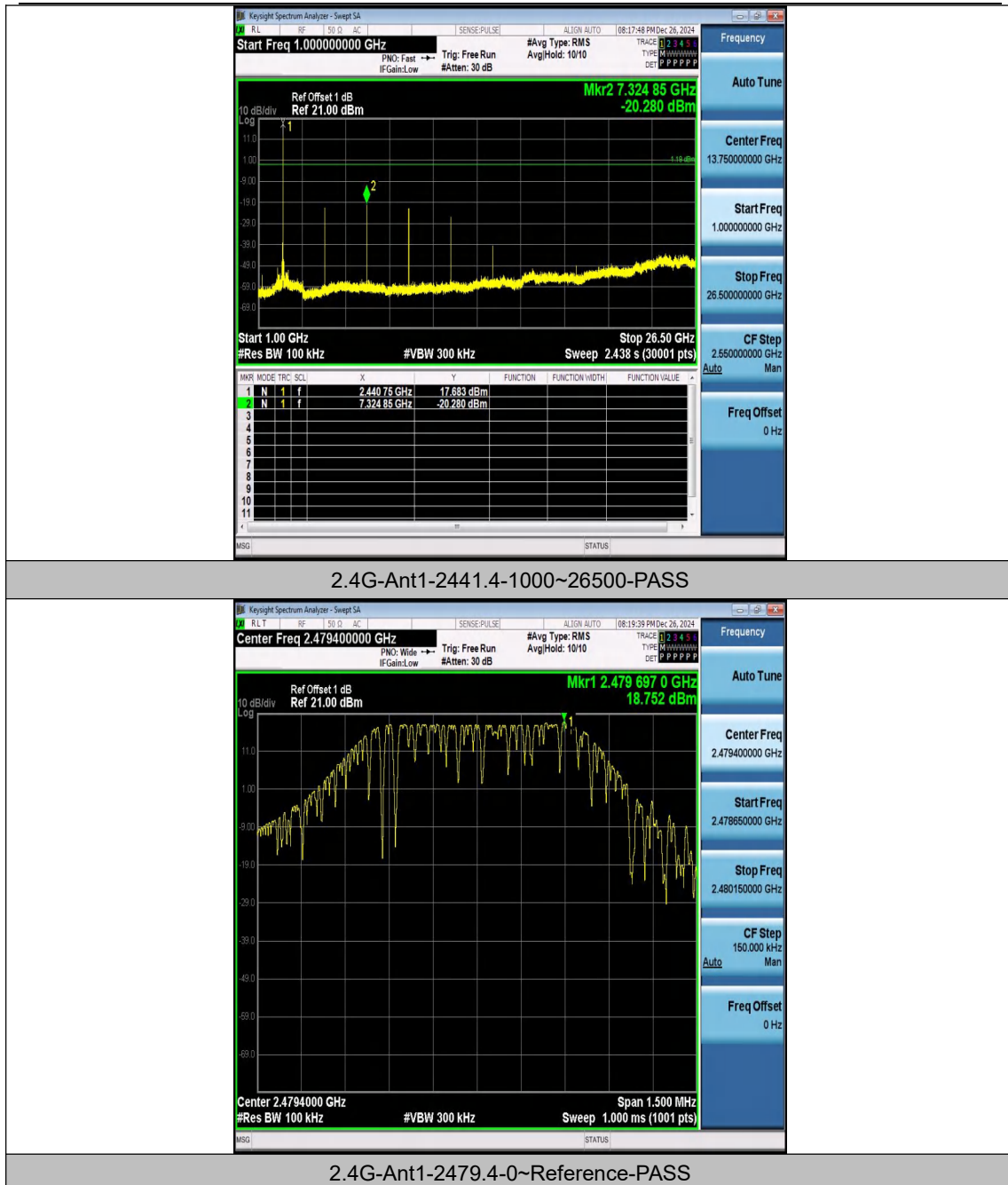
Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2402.4	0~Reference	17.89	17.89	---	PASS
2.4G	Ant1	2402.4	30~1000	17.89	-68.33	≤-2.11	PASS
2.4G	Ant1	2402.4	1000~26500	17.89	-18.99	≤-2.11	PASS
2.4G	Ant1	2441.4	0~Reference	18.81	18.81	---	PASS
2.4G	Ant1	2441.4	30~1000	18.81	-68.01	≤-1.19	PASS
2.4G	Ant1	2441.4	1000~26500	18.81	-20.28	≤-1.19	PASS
2.4G	Ant1	2479.4	0~Reference	18.75	18.75	---	PASS
2.4G	Ant1	2479.4	30~1000	18.75	-67.25	≤-1.25	PASS
2.4G	Ant1	2479.4	1000~26500	18.75	-13.89	≤-1.25	PASS

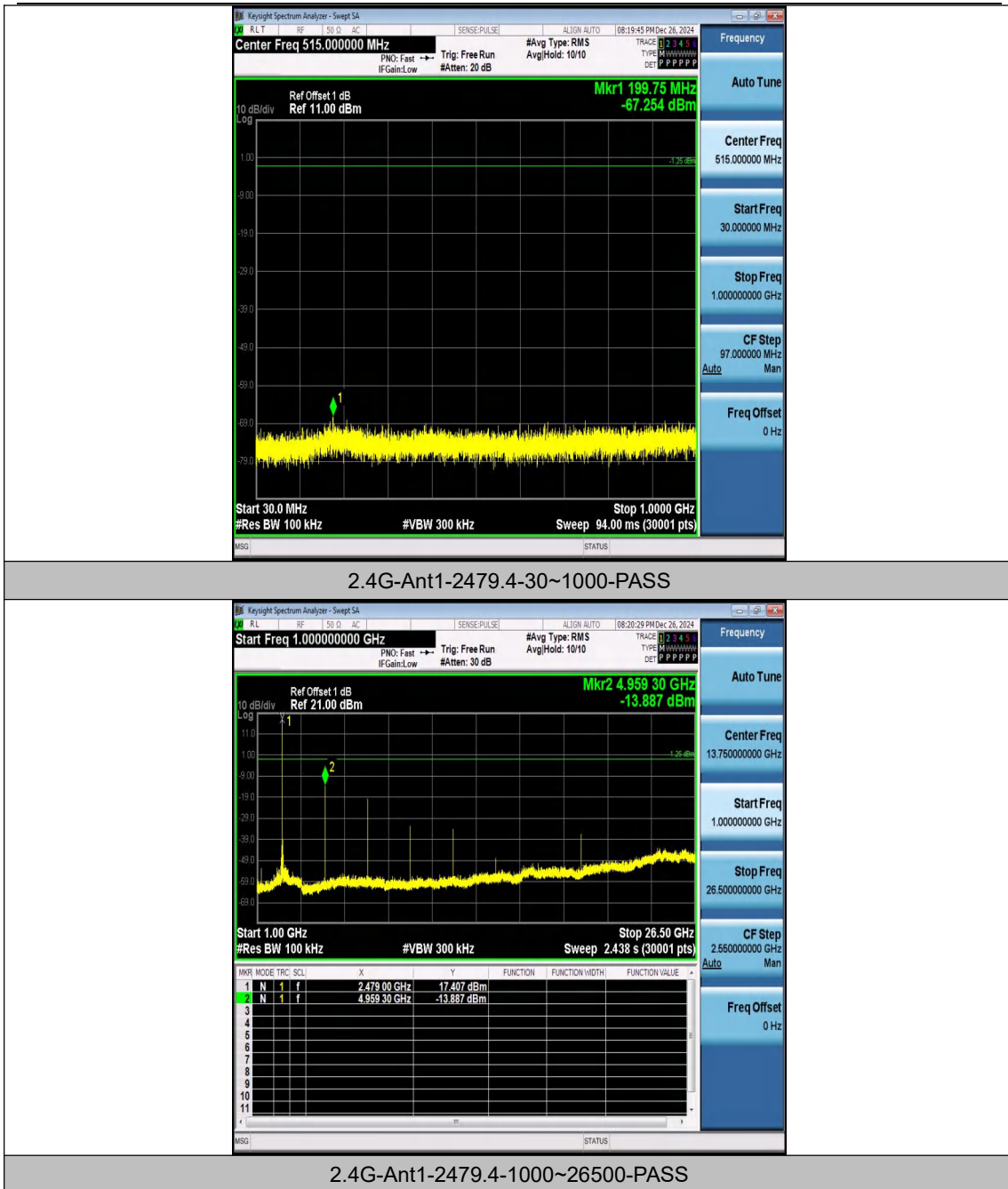
Test Graphs











Appendix H: Duty Cycle

Test Result

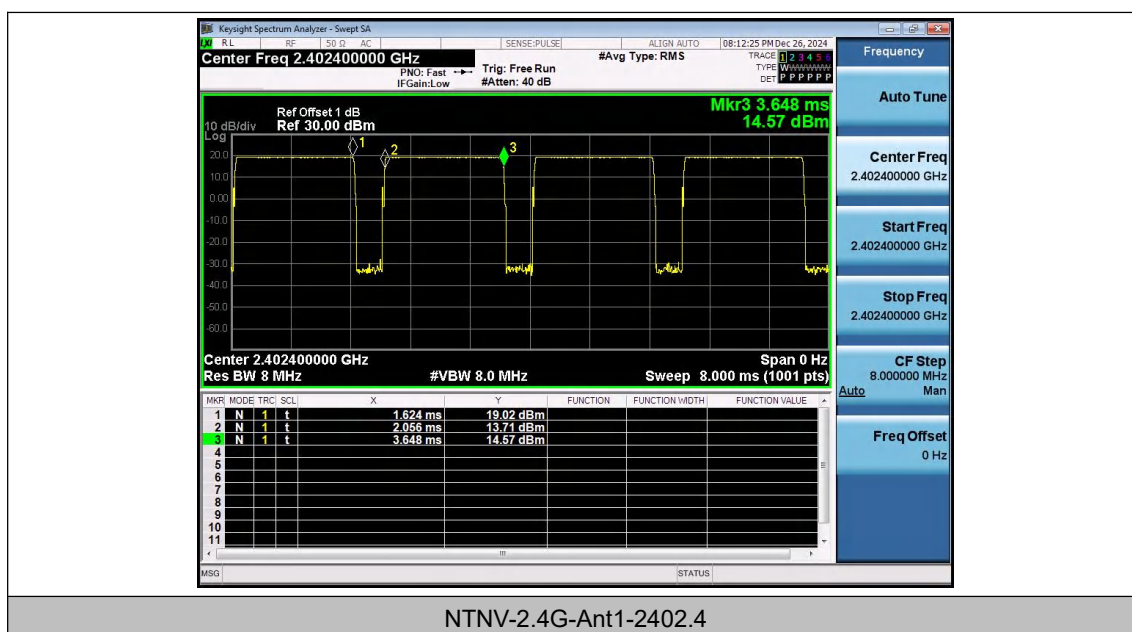
Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2402.4	1.59	2.02	78.71	1.04
2.4G	Ant1	2441.4	1.62	2.02	80.20	0.96
2.4G	Ant1	2479.4	1.62	2.00	81.00	0.92

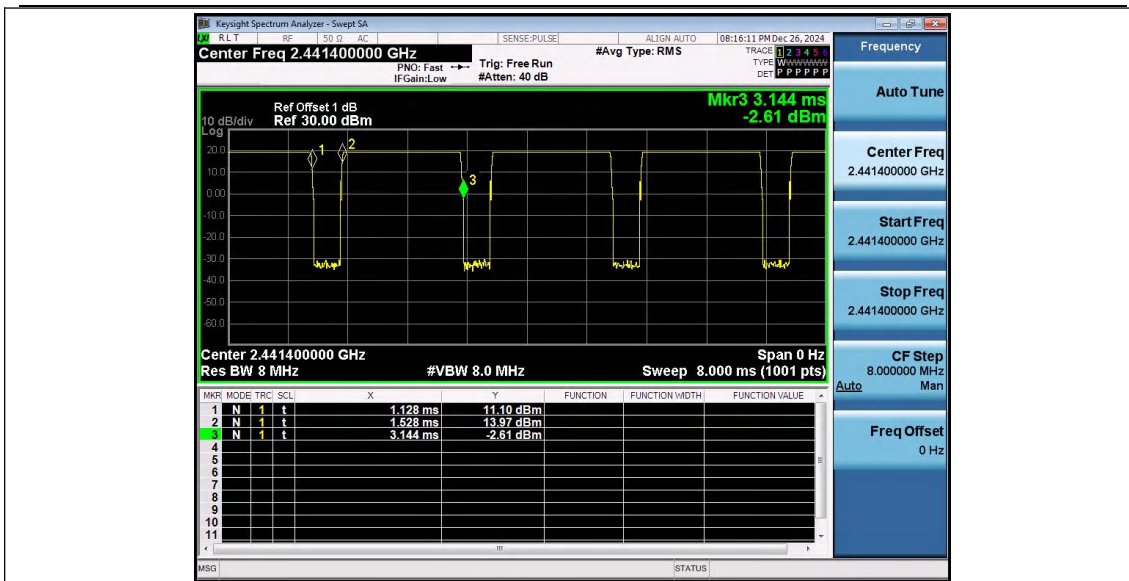
Note:

ON Time[ms]=Mkr3-Mkr2

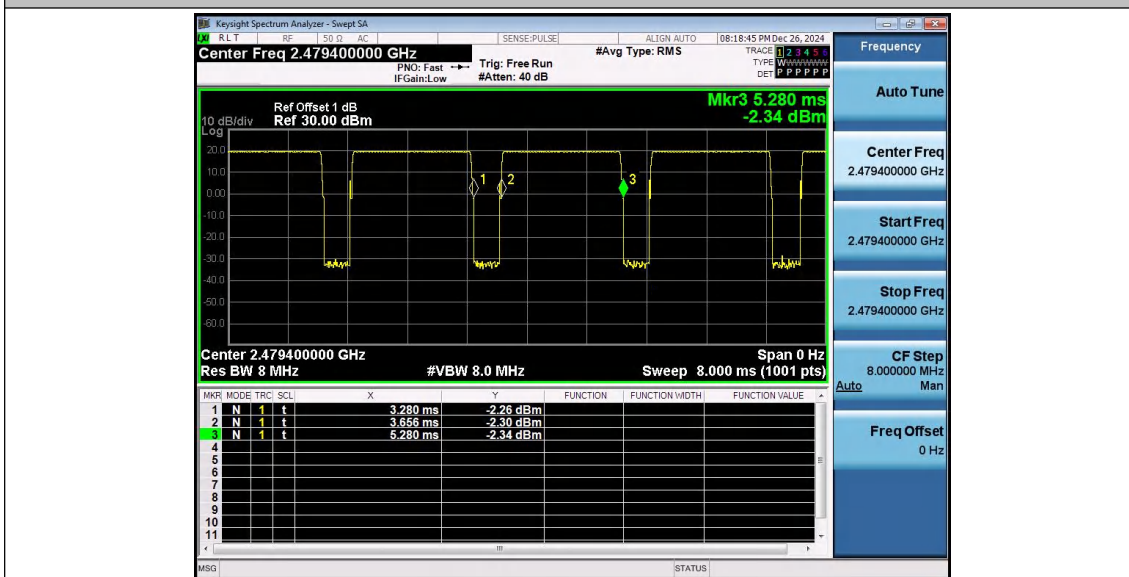
Period[ms]=ON Time+Mkr2-Mkr1

Test Graphs





NTNV-2.4G-Ant1-2441.4



NTNV-2.4G-Ant1-2479.4

---End---