

Appendix Test Data-ANT2

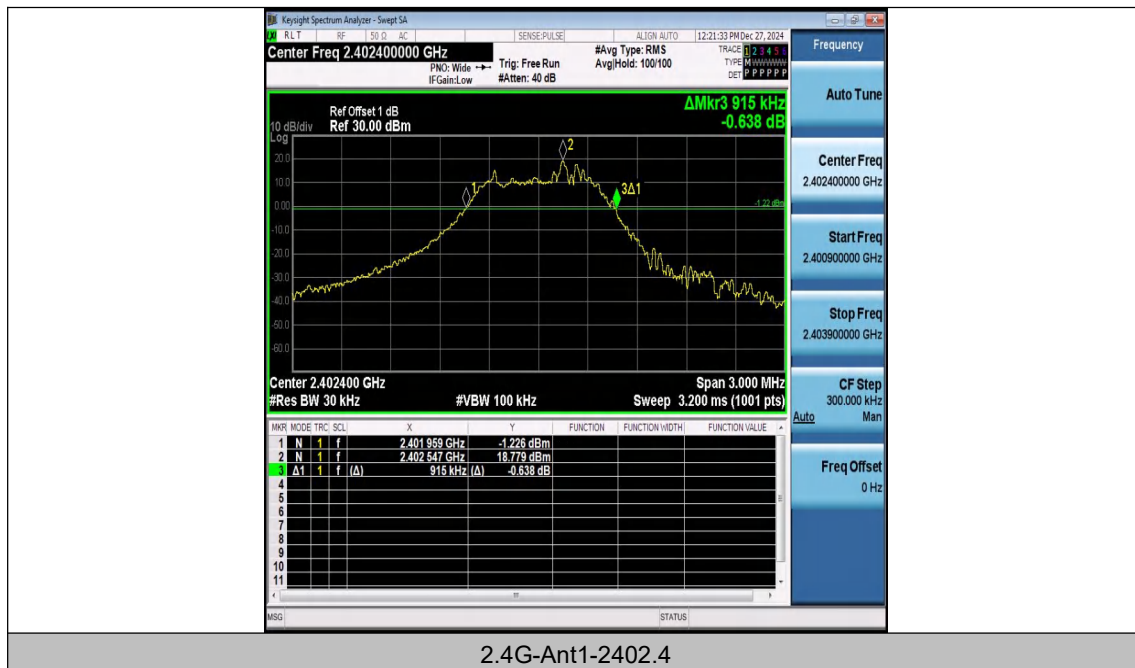
Report No.:	1812C40194812502	Test Sample No.:	1-2-2
Start Test Date:	2024-12-27	Finish Test Date:	2024-12-27
Test Engineer:	<i>Joker Huang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.5°C	Relative Humidity:	47%
Pressure:	101kPa		

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	0.915	2401.959	2402.874	---	---
2.4G	Ant1	2441.4	0.915	2440.947	2441.862	---	---
2.4G	Ant1	2479.4	0.906	2478.956	2479.862	---	---

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

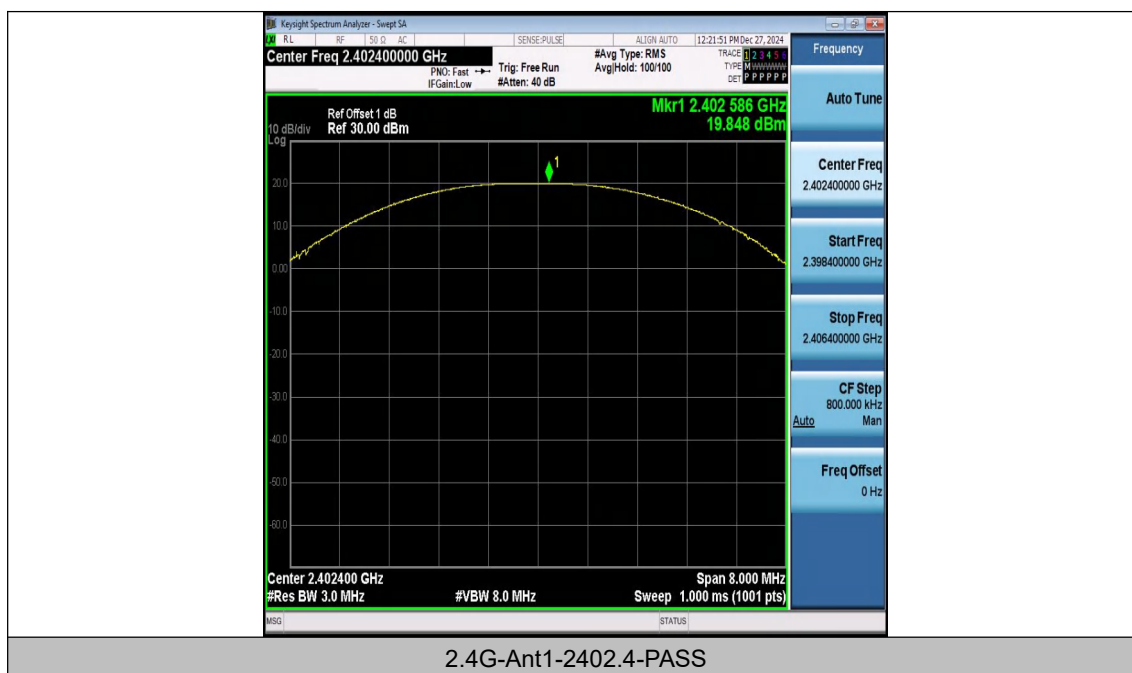
Hotline 400-003-0500
www.anbotek.com

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	19.85	≤30	PASS
2.4G	Ant1	2441.4	19.86	≤30	PASS
2.4G	Ant1	2479.4	19.74	≤30	PASS

Test Graphs





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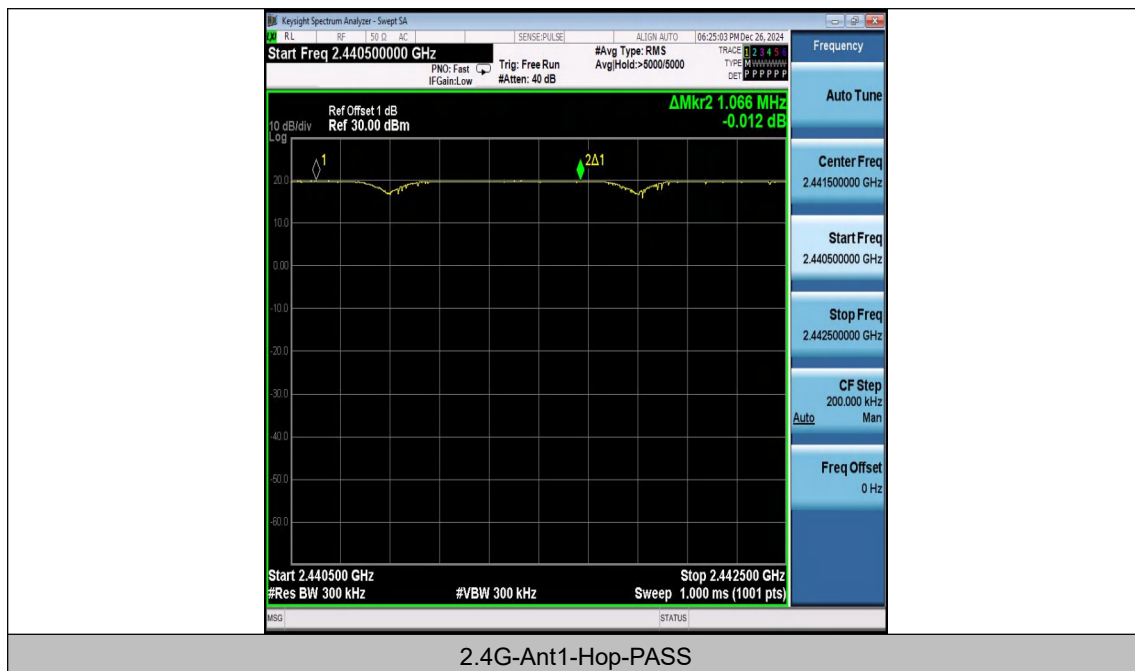
Hotline
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www.anbotech.com

Appendix C: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	1.066	≥0.915	PASS

Test Graphs

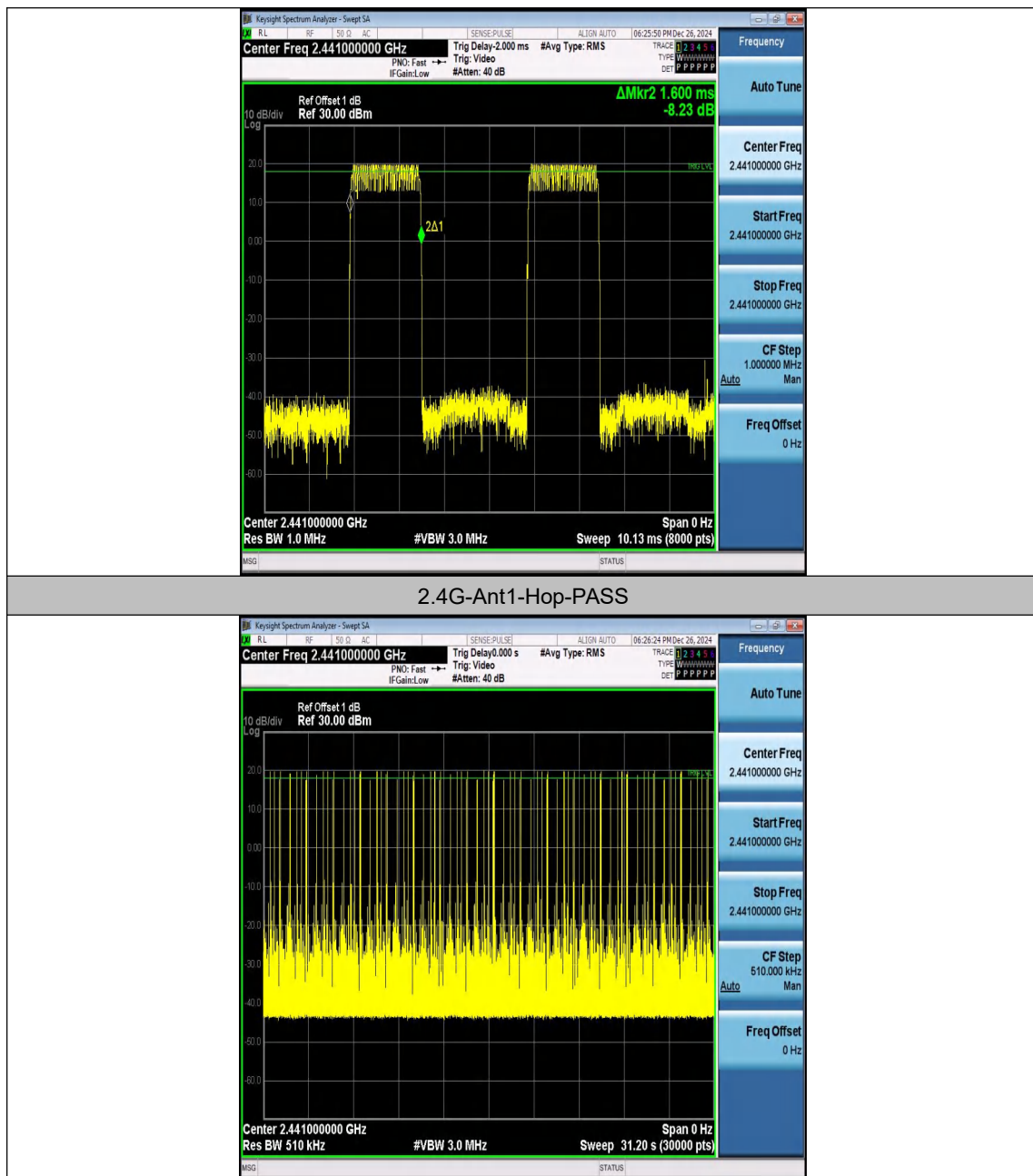


Appendix D: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	1.600	84	0.134	≤0.4	PASS

Test Graphs

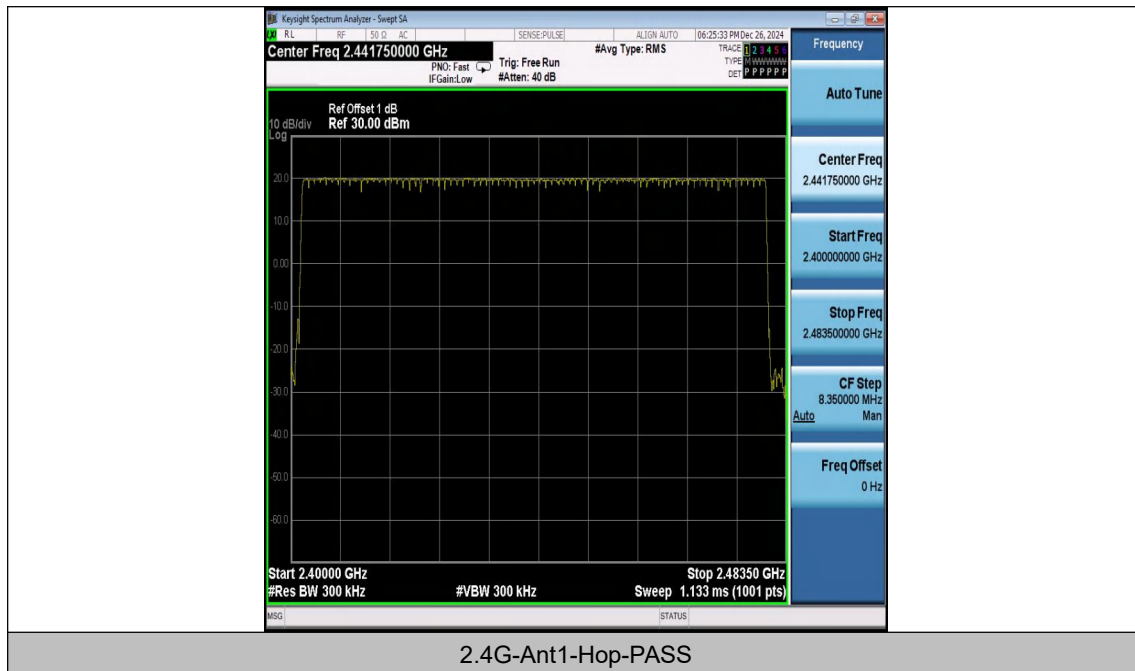


Appendix E: Number of Hopping Channel

Test Result

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

Test Graphs



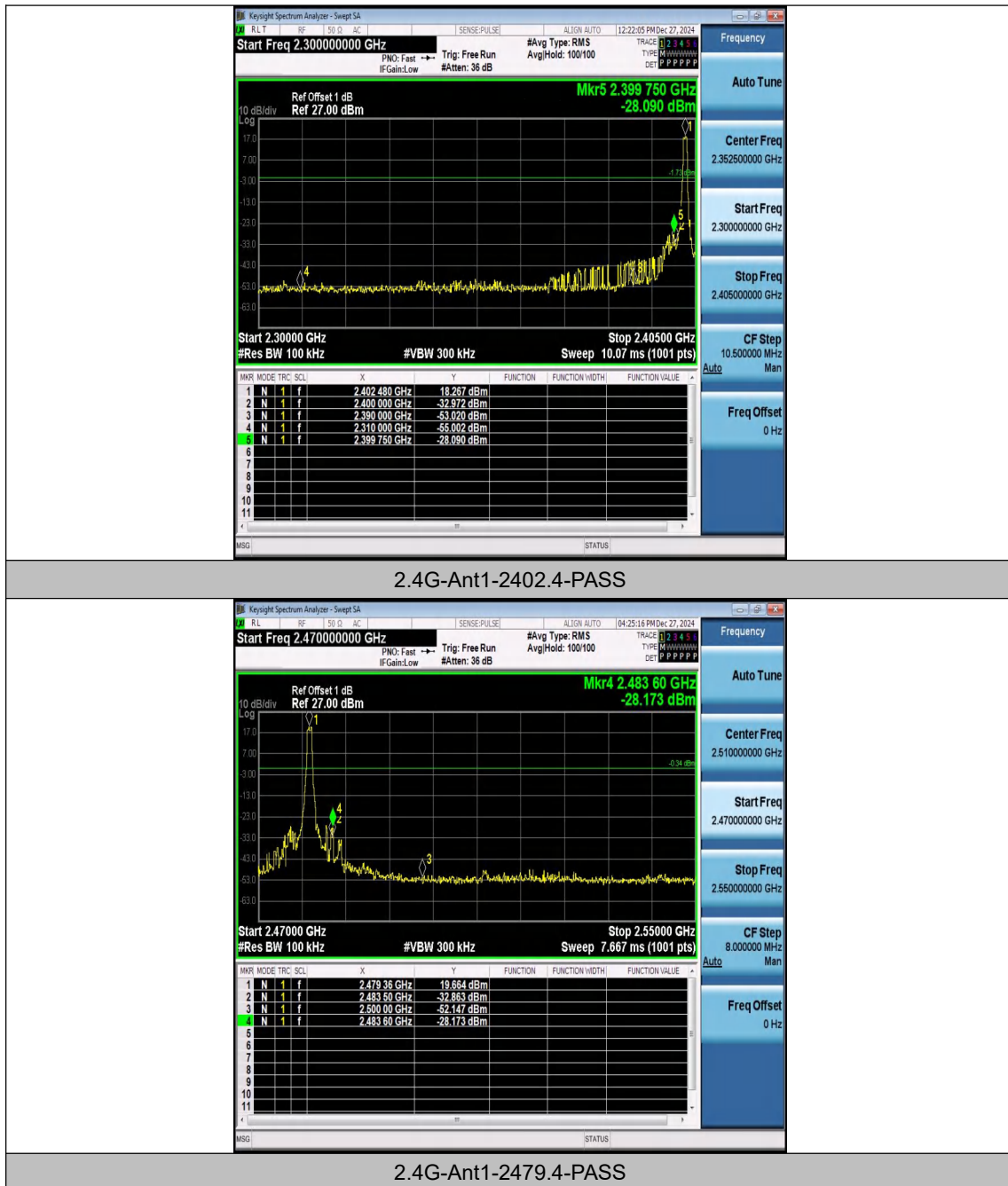
Appendix F: Conducted Band edge

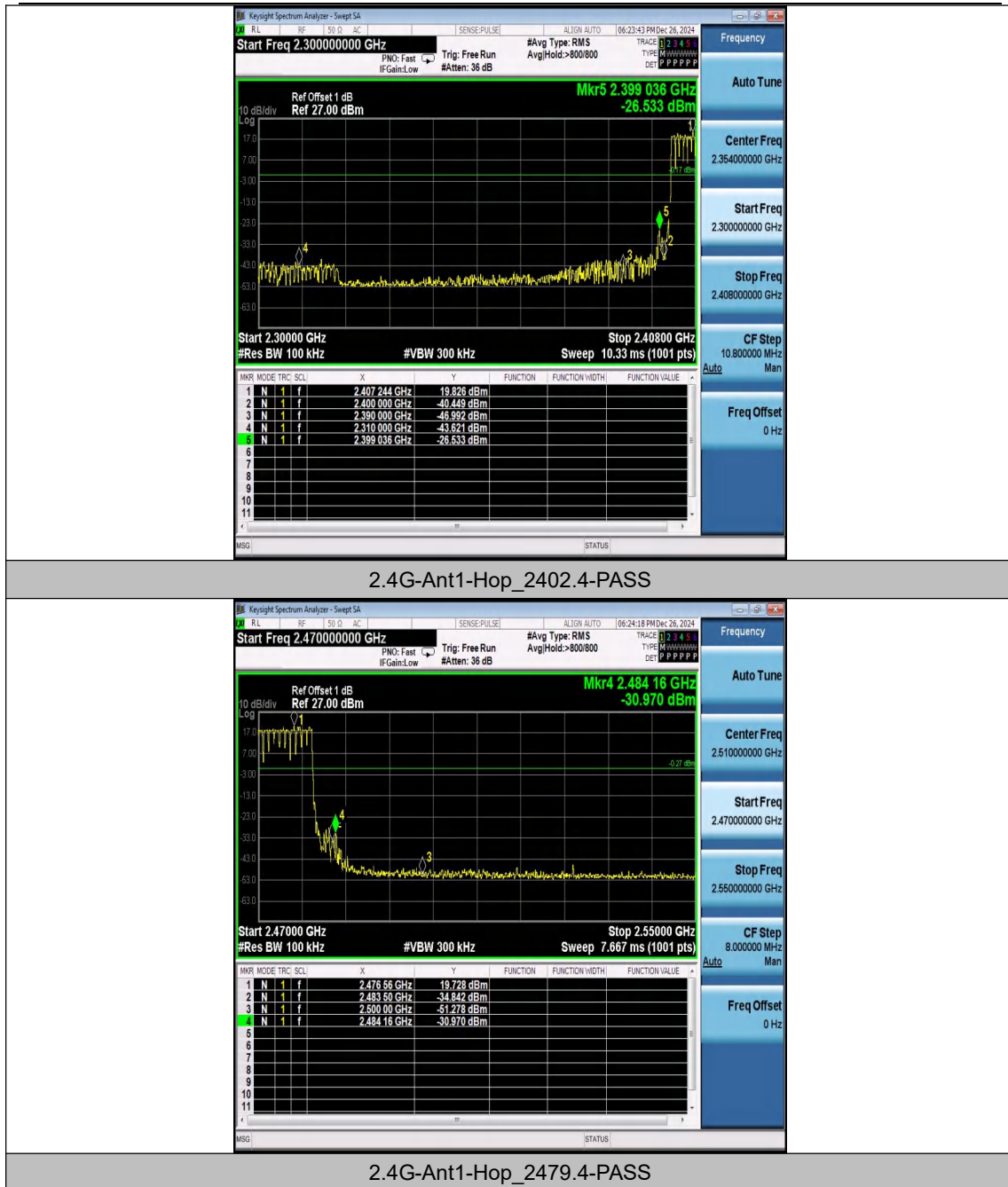
Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2402.4	18.27	-28.09	≤ -1.73	PASS
2.4G	Ant1	High	2479.4	19.66	-28.17	≤ -0.34	PASS
2.4G	Ant1	Low	Hop_2402.4	19.83	-26.53	≤ -0.17	PASS
2.4G	Ant1	High	Hop_2479.4	19.73	-30.97	≤ -0.27	PASS



Test Graphs





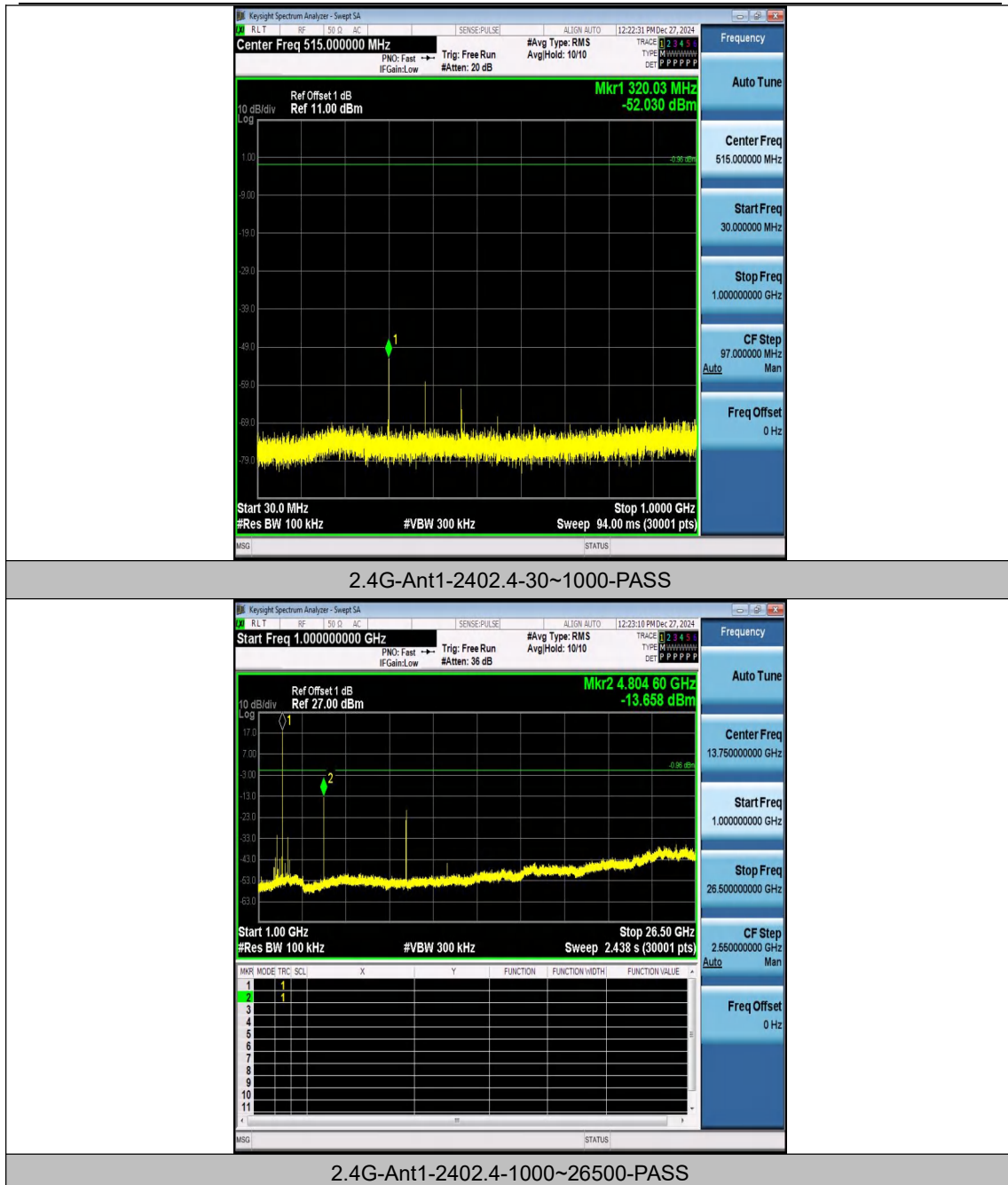
Appendix G: Conducted Spurious Emission

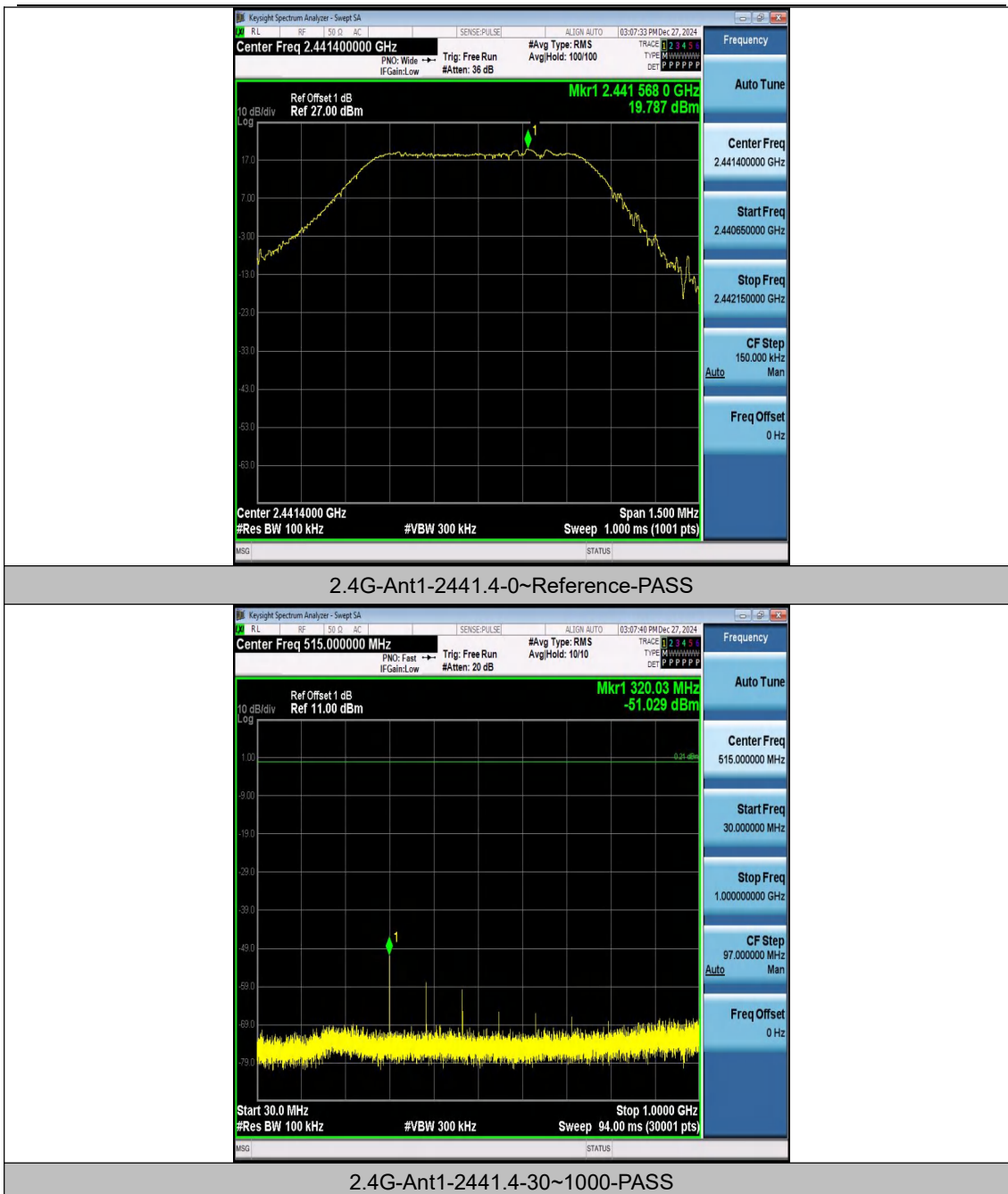
Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2402.4	0~Reference	19.04	19.04	---	PASS
2.4G	Ant1	2402.4	30~1000	19.04	-52.03	≤-0.96	PASS
2.4G	Ant1	2402.4	1000~26500	19.04	-13.66	≤-0.96	PASS
2.4G	Ant1	2441.4	0~Reference	19.79	19.79	---	PASS
2.4G	Ant1	2441.4	30~1000	19.79	-51.03	≤-0.21	PASS
2.4G	Ant1	2441.4	1000~26500	19.79	-12.08	≤-0.21	PASS
2.4G	Ant1	2479.4	0~Reference	19.43	19.43	---	PASS
2.4G	Ant1	2479.4	30~1000	19.43	-51.43	≤-0.57	PASS
2.4G	Ant1	2479.4	1000~26500	19.43	-16.31	≤-0.57	PASS

Test Graphs





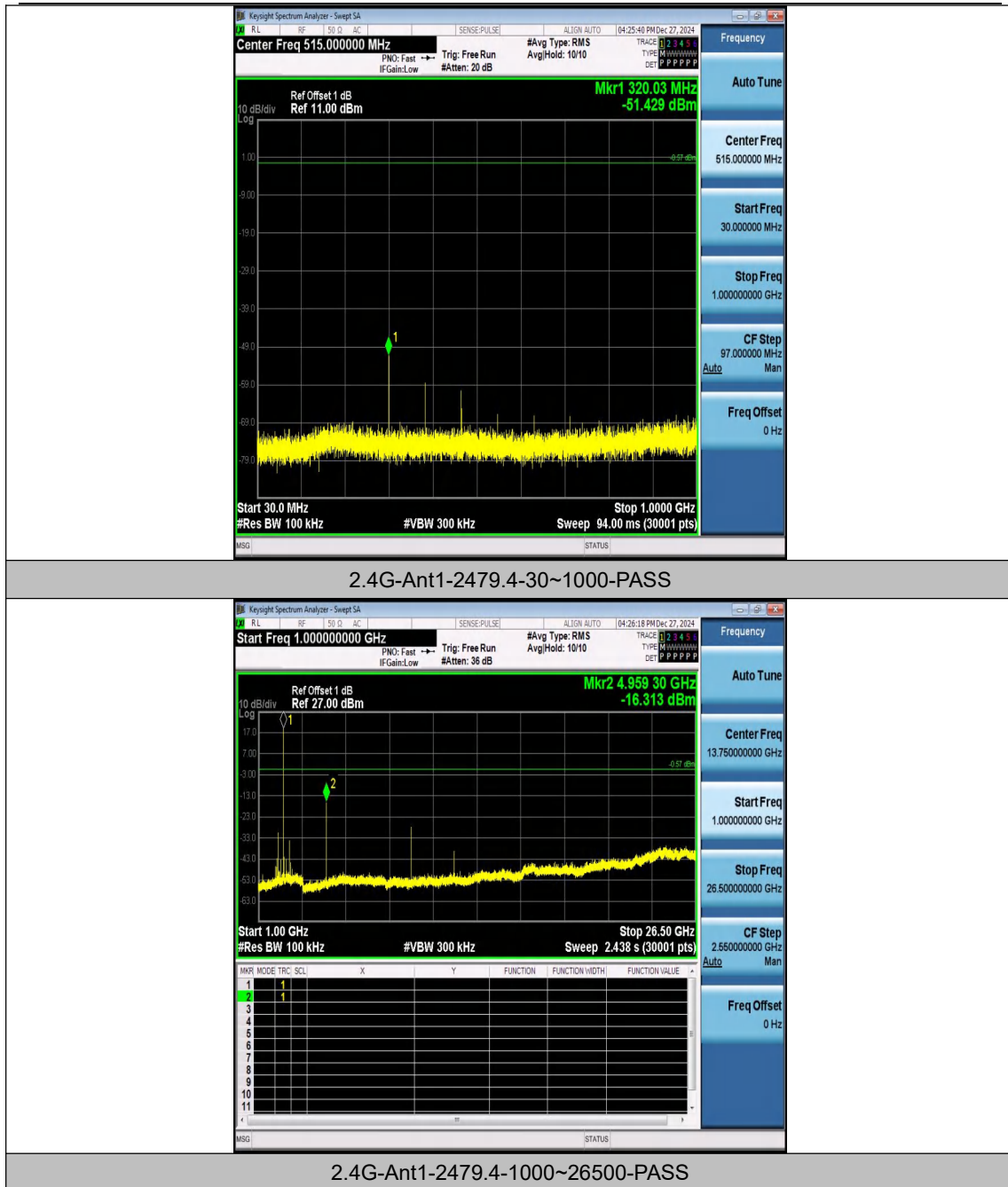




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Appendix H: Duty Cycle

Test Result

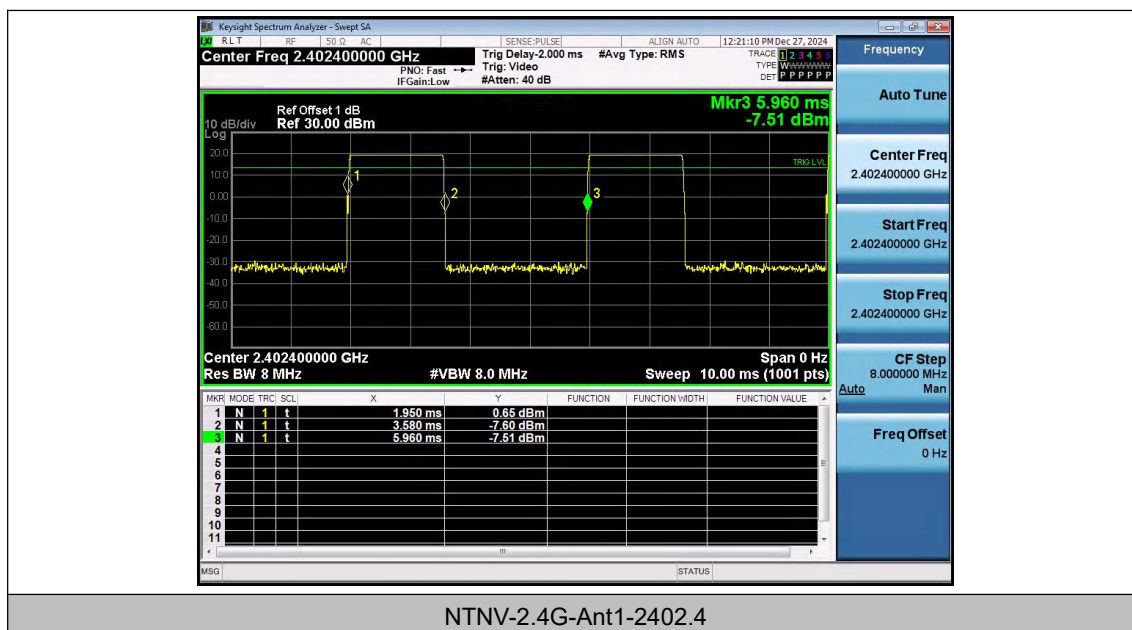
Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2402.4	1.63	4.01	40.65	3.91
2.4G	Ant1	2441.4	1.63	4.01	40.65	3.91
2.4G	Ant1	2479.4	1.64	4.02	40.80	3.89

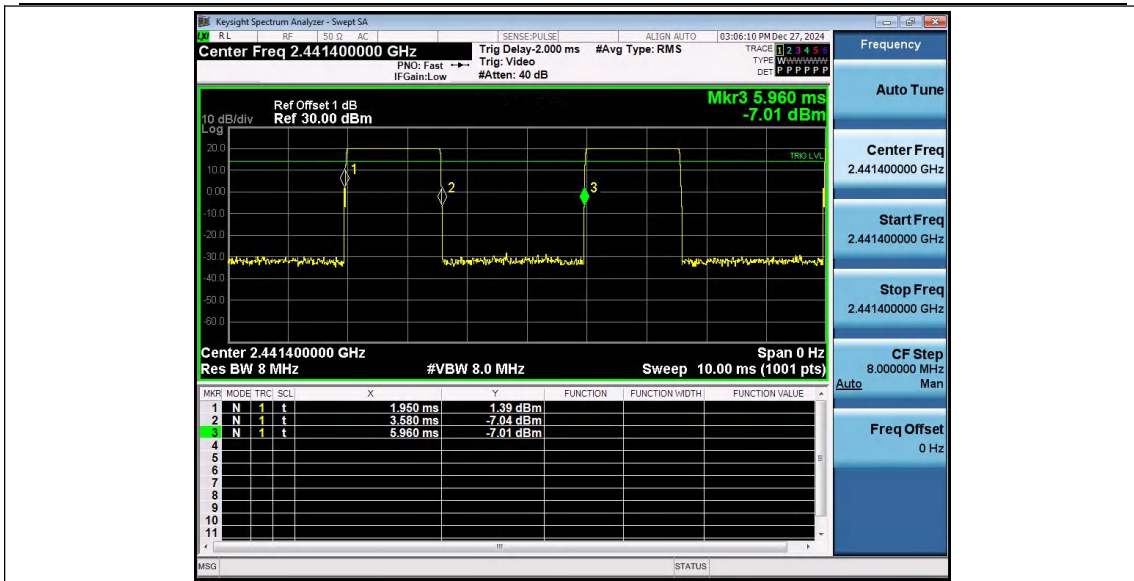
Note:

ON Time[ms]=Mkr2-Mkr1

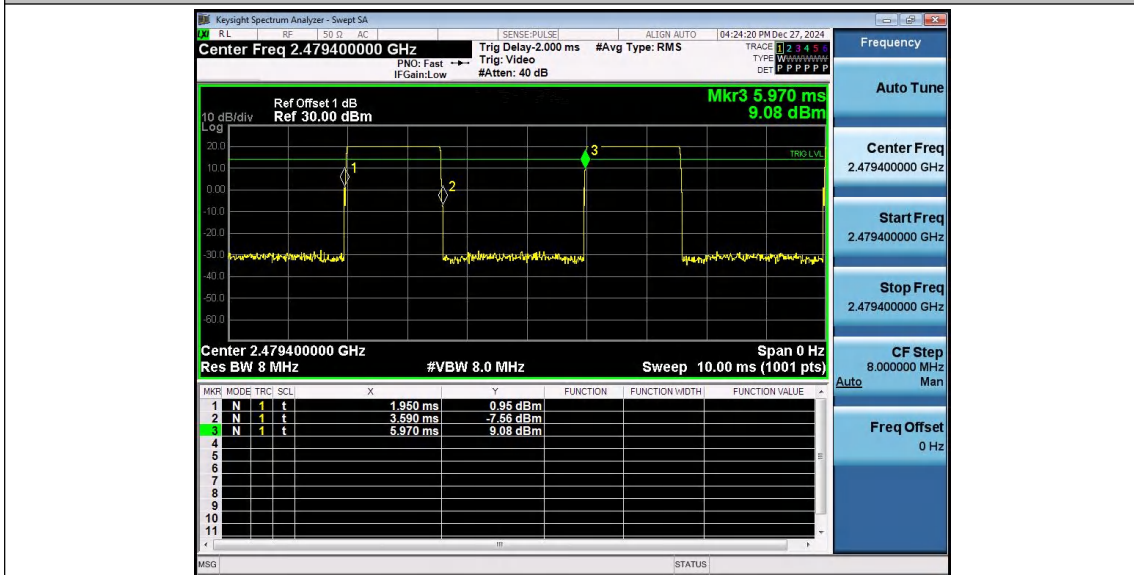
Period[ms]=ON Time+Mkr3-Mkr2

Test Graphs





NTNV-2.4G-Ant1-2441.4



NTNV-2.4G-Ant1-2479.4

---End---