

Appendix Test Data-ANT1

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	0.969	2401.923	2402.892	---	---
2.4G	Ant1	2441.4	0.924	2440.941	2441.865	---	---
2.4G	Ant1	2479.4	0.918	2478.935	2479.853	---	---

Test Graphs





Shenzhen Anbotech Compliance Laboratory Limited

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Tel: (86) 0755-26066440 Email: service@anbotech.com

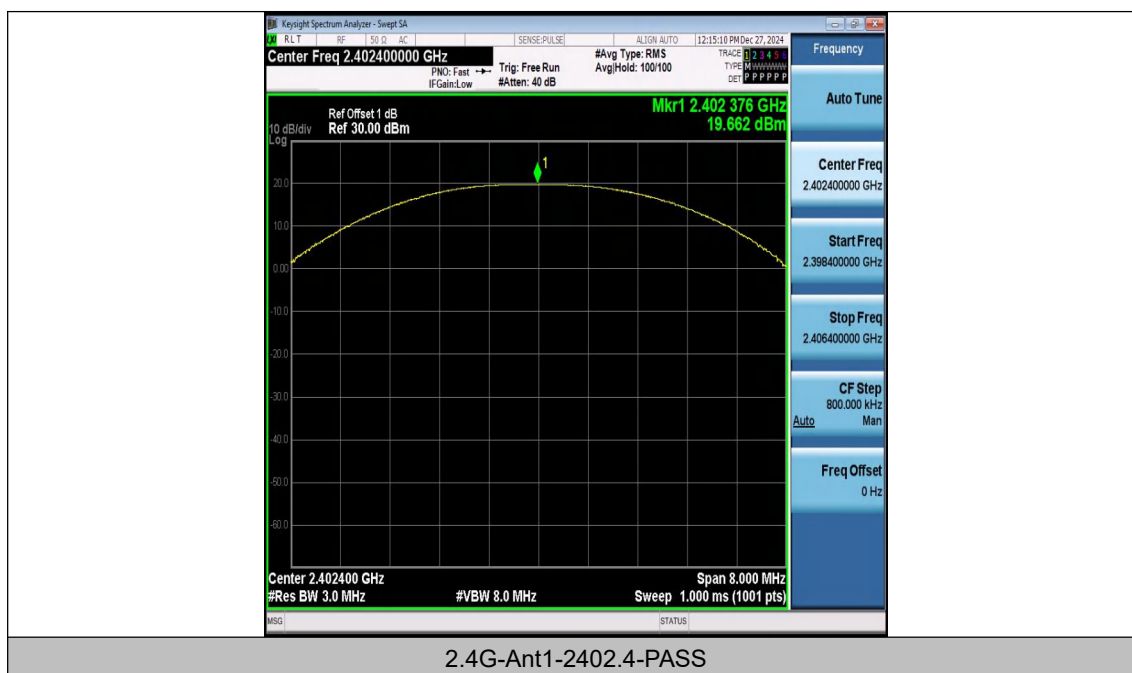
Hotline
400-003-0500
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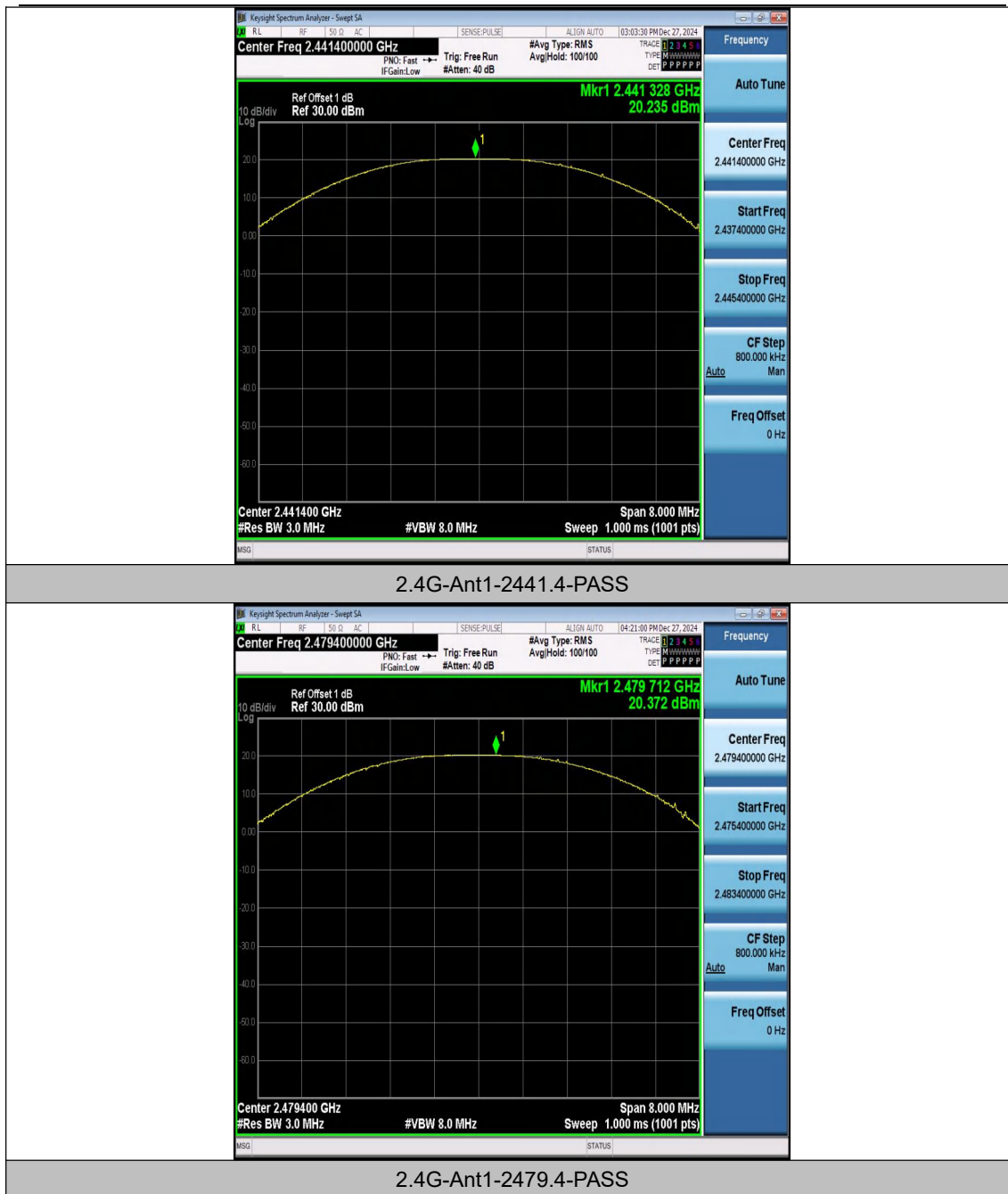
Appendix B: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2402.4	19.66	≤30	PASS
2.4G	Ant1	2441.4	20.24	≤30	PASS
2.4G	Ant1	2479.4	20.37	≤30	PASS

Test Graphs





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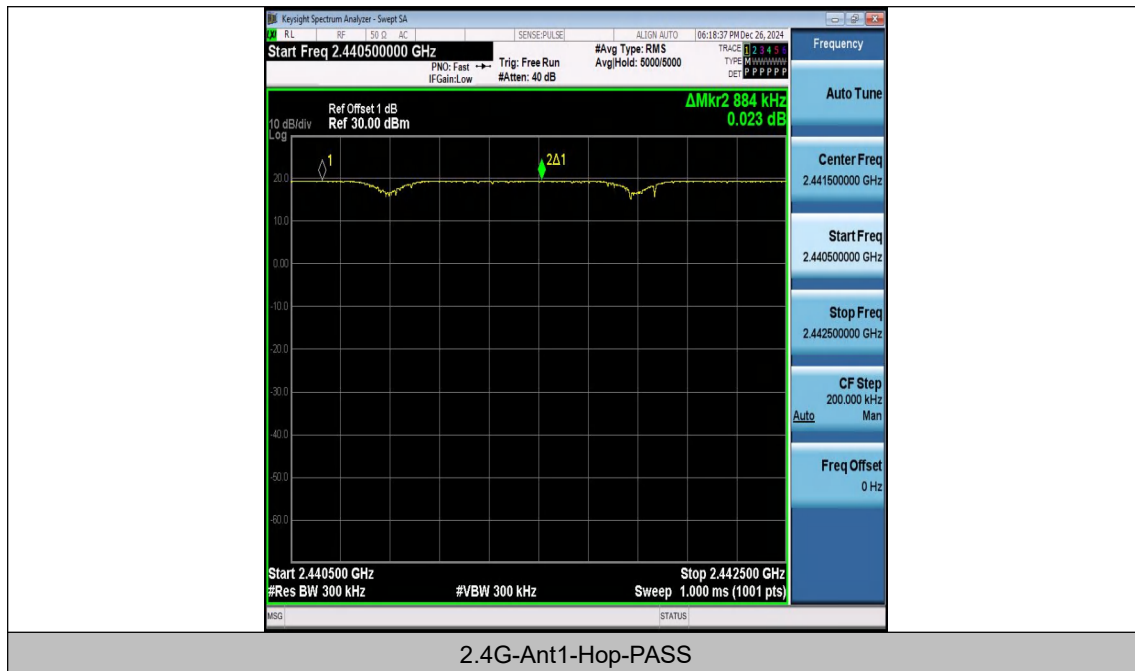
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Appendix C: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	0.884	≥0.969	PASS

Test Graphs

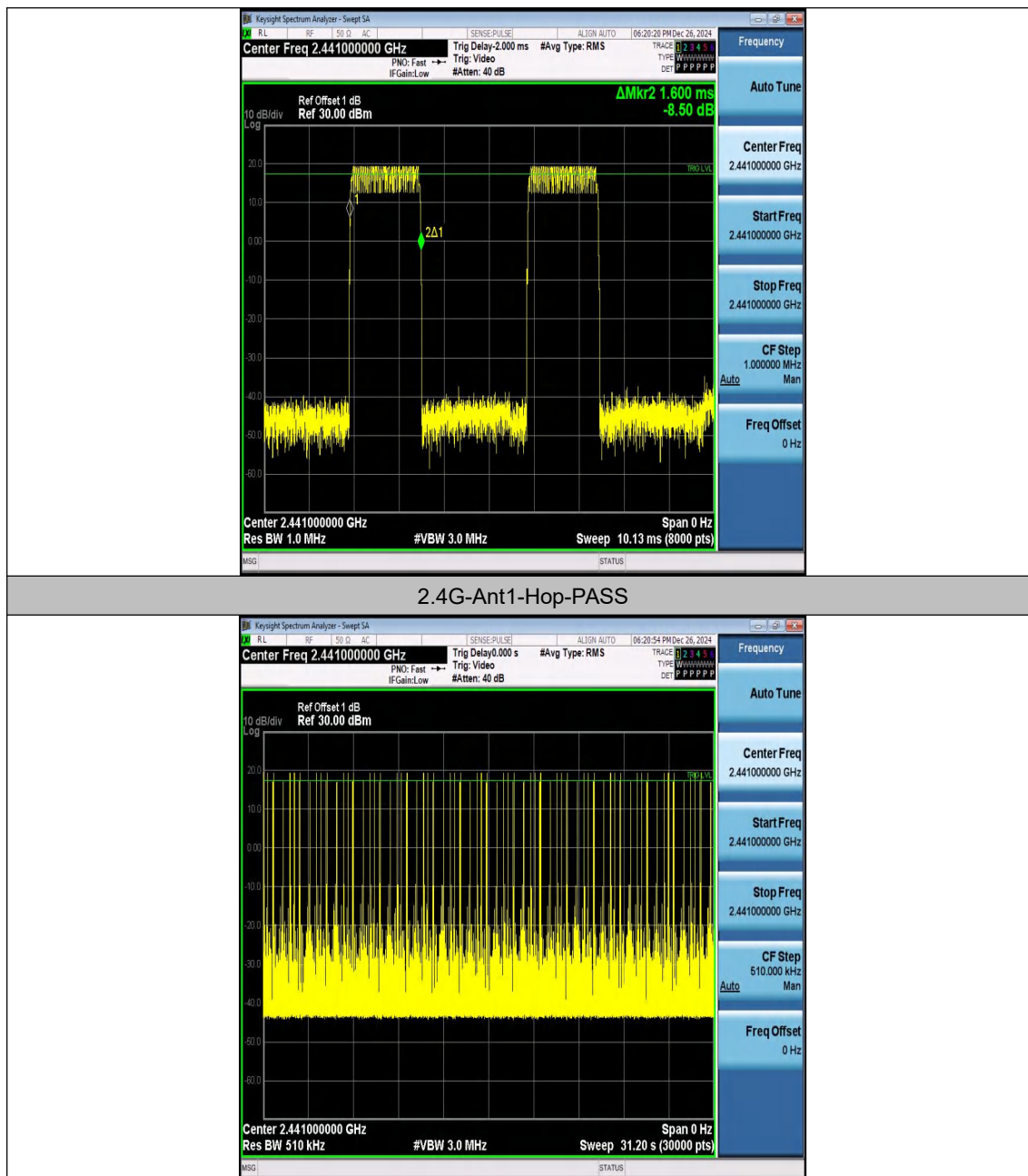


Appendix D: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	1.600	85	0.136	≤0.4	PASS

Test Graphs

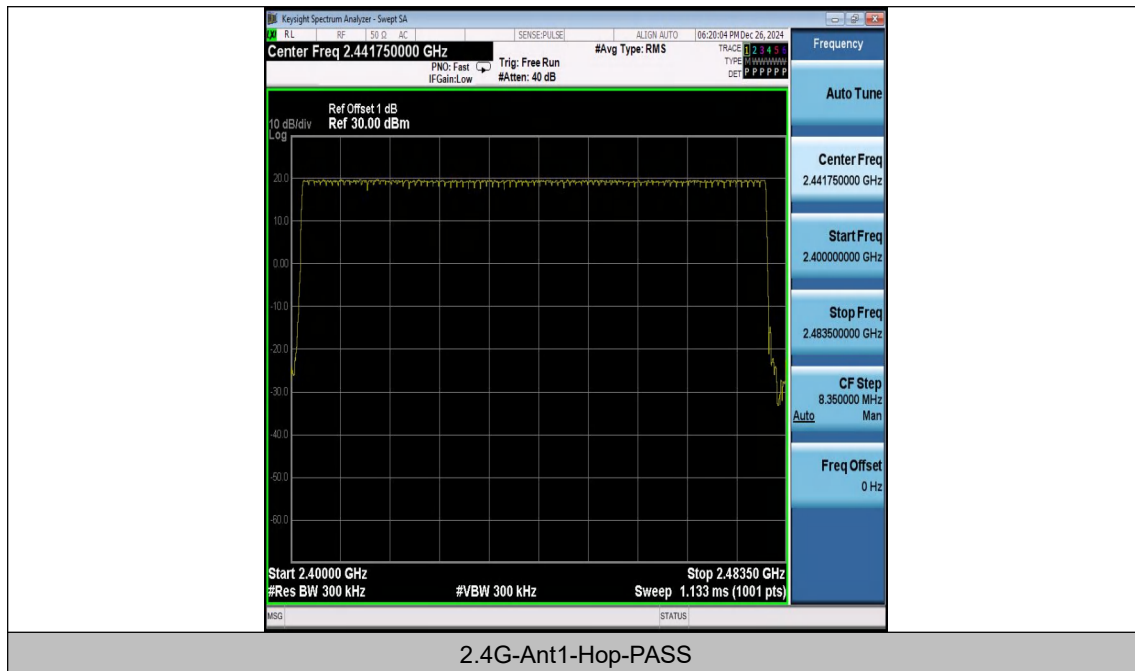


Appendix E: Number of Hopping Channel

Test Result

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

Test Graphs



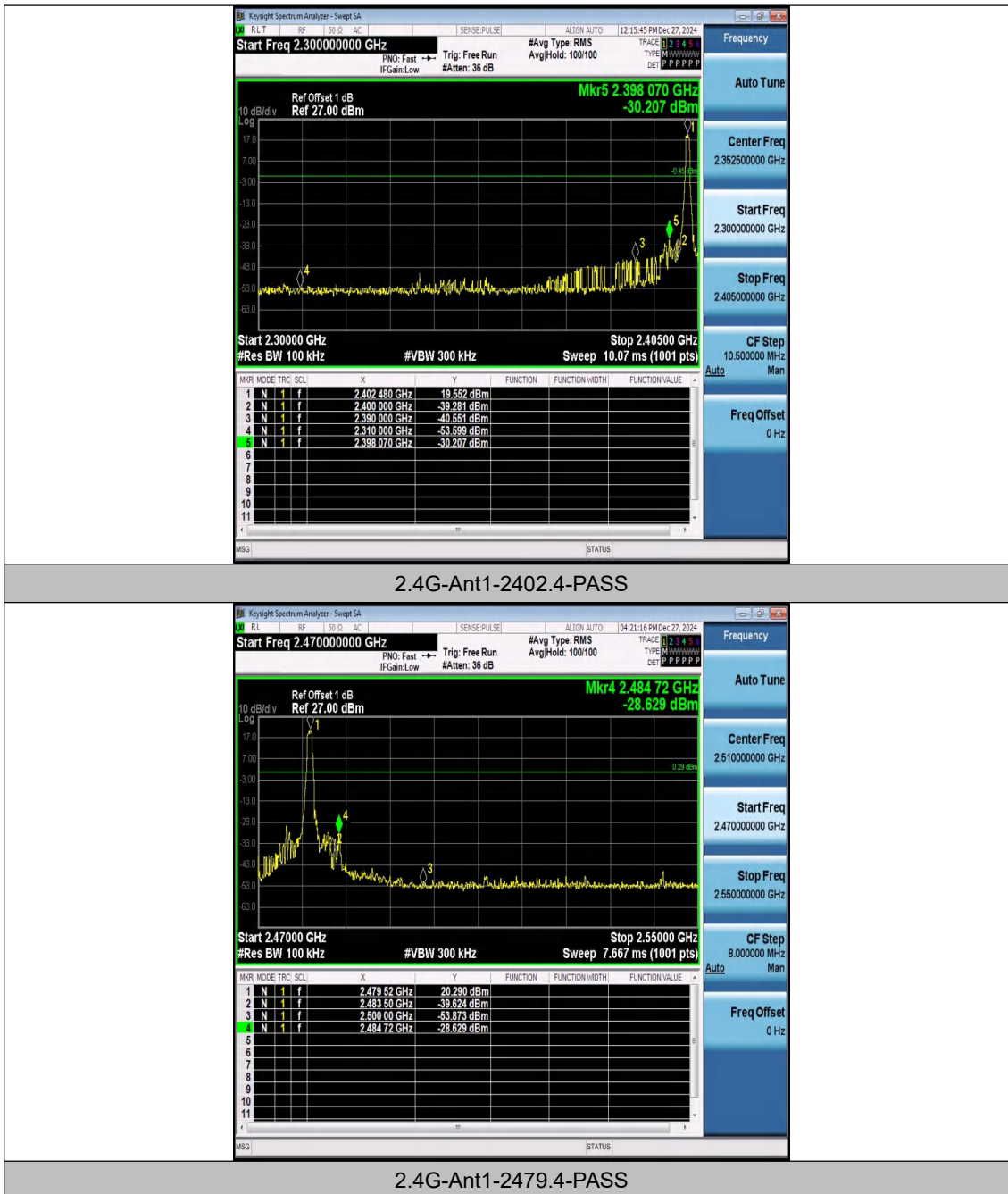
Appendix F: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2402.4	19.55	-30.21	≤ -0.45	PASS
2.4G	Ant1	High	2479.4	20.29	-28.63	≤ 0.29	PASS
2.4G	Ant1	Low	Hop_2402.4	19.39	-33.29	≤ -0.61	PASS
2.4G	Ant1	High	Hop_2479.4	19.30	-30.51	≤ -0.7	PASS



Test Graphs



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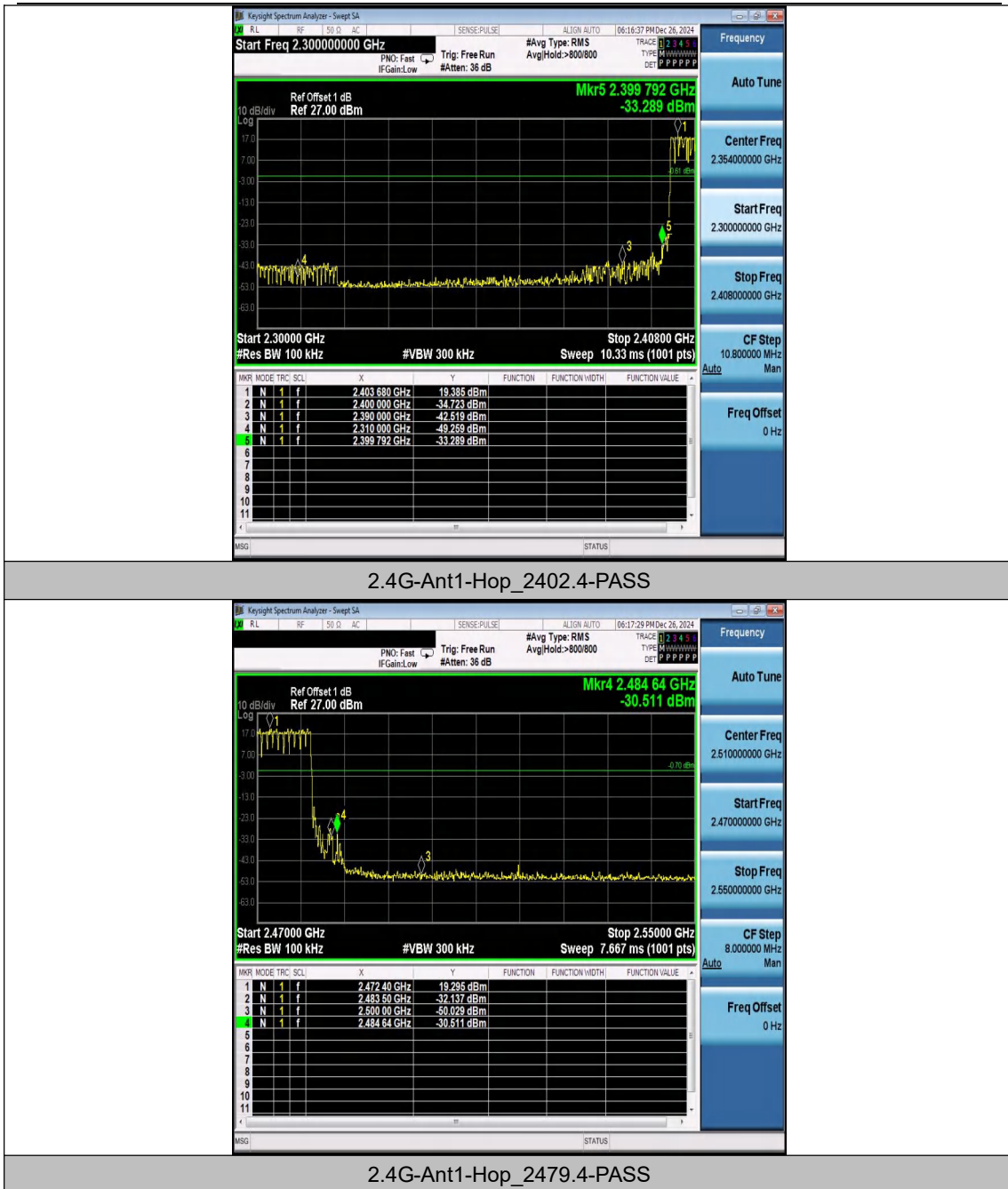
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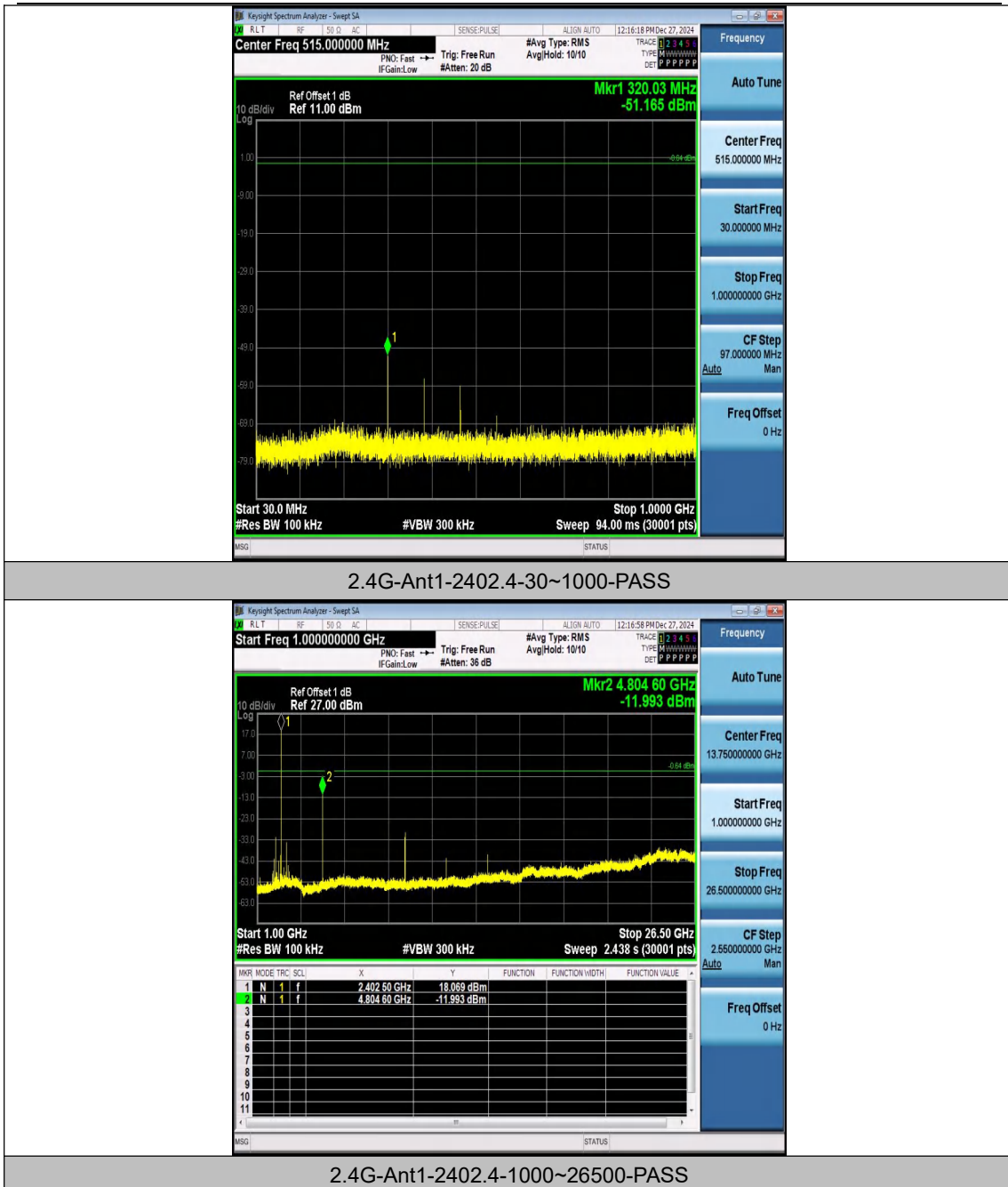
Appendix G: Conducted Spurious Emission

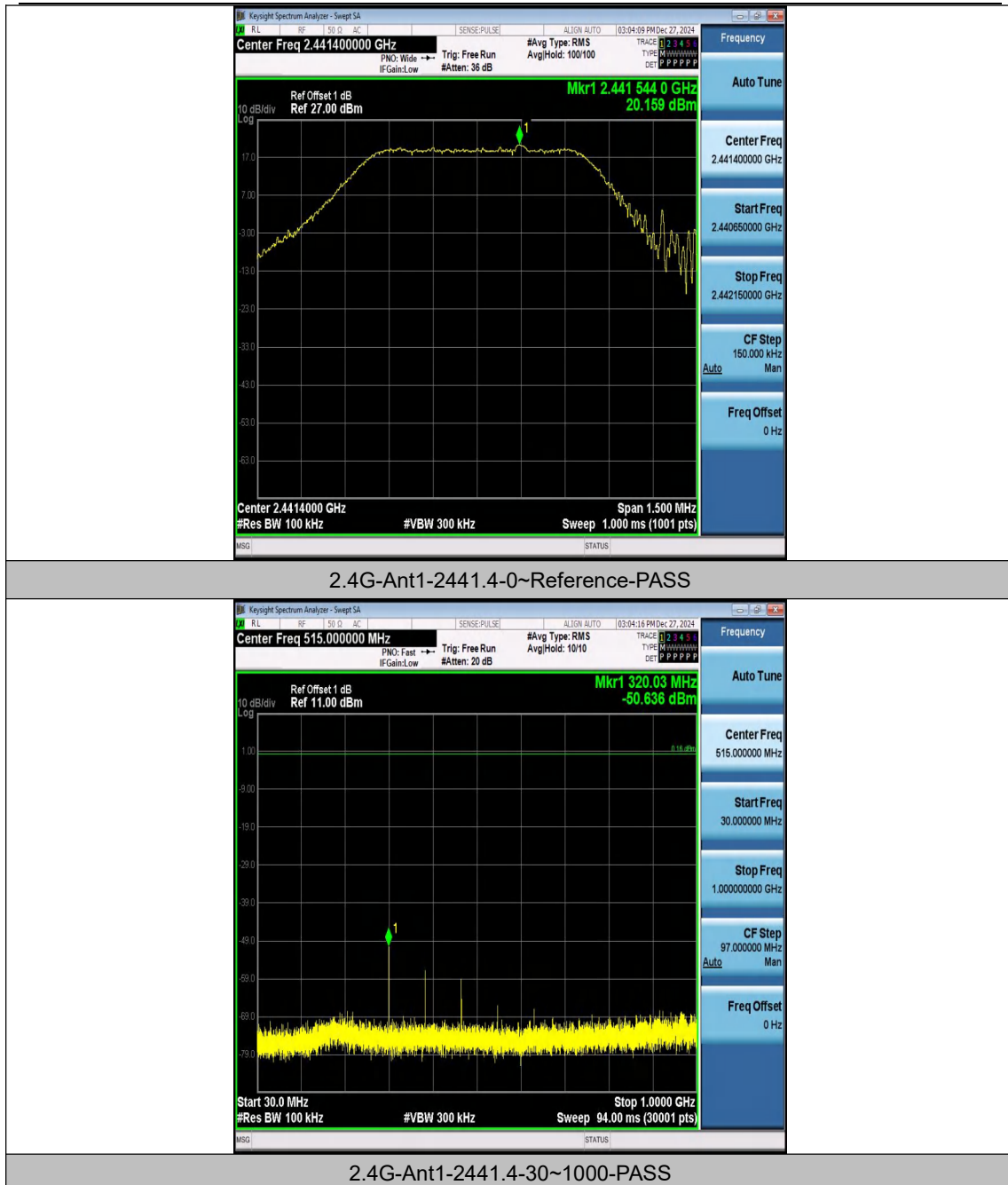
Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2402.4	0~Reference	19.36	19.36	---	PASS
2.4G	Ant1	2402.4	30~1000	19.36	-51.17	≤-0.64	PASS
2.4G	Ant1	2402.4	1000~26500	19.36	-11.99	≤-0.64	PASS
2.4G	Ant1	2441.4	0~Reference	20.16	20.16	---	PASS
2.4G	Ant1	2441.4	30~1000	20.16	-50.64	≤0.16	PASS
2.4G	Ant1	2441.4	1000~26500	20.16	-14.01	≤0.16	PASS
2.4G	Ant1	2479.4	0~Reference	20.08	20.08	---	PASS
2.4G	Ant1	2479.4	30~1000	20.08	-50.78	≤0.08	PASS
2.4G	Ant1	2479.4	1000~26500	20.08	-15.04	≤0.08	PASS

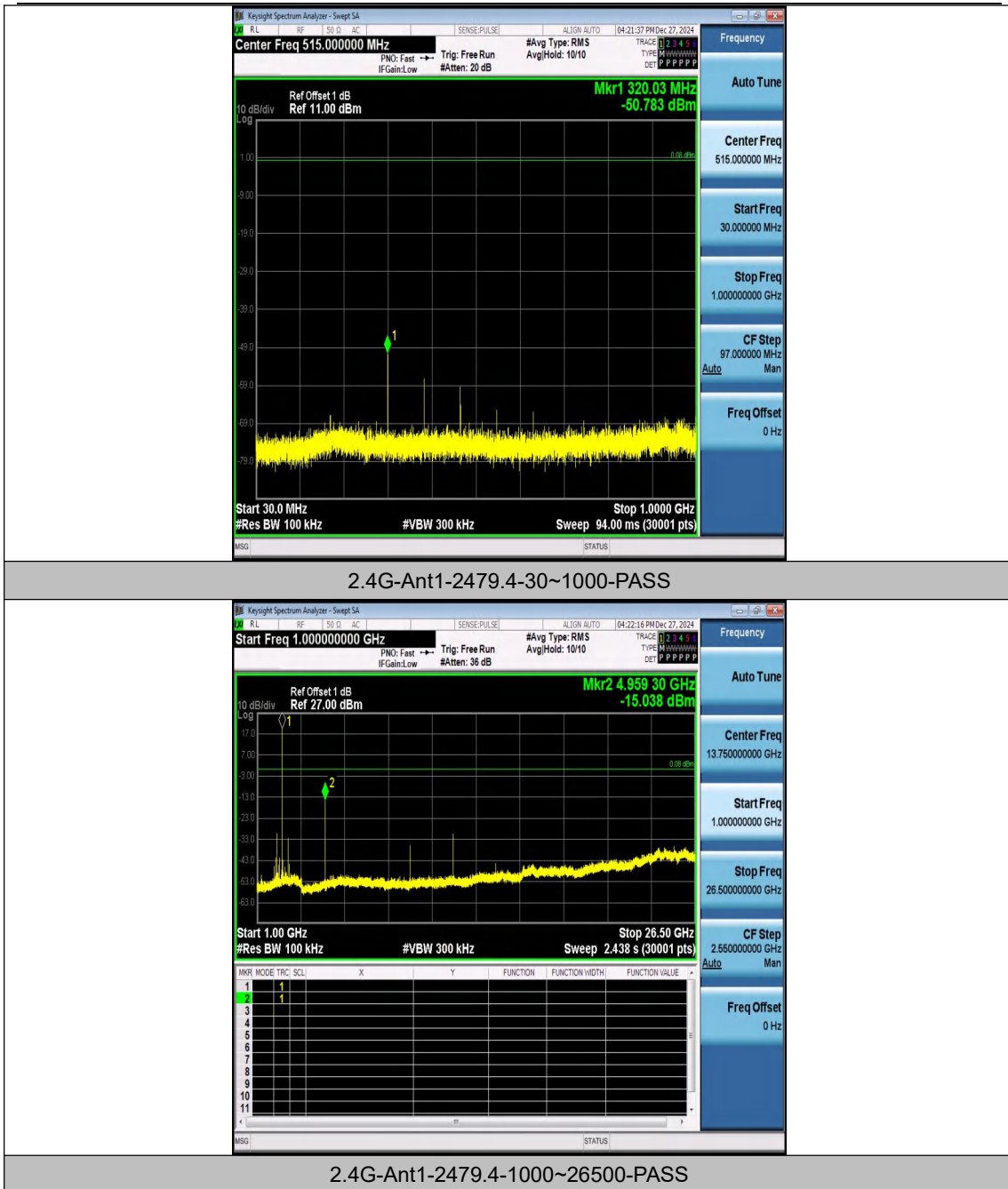
Test Graphs











Appendix H: Duty Cycle

Test Result

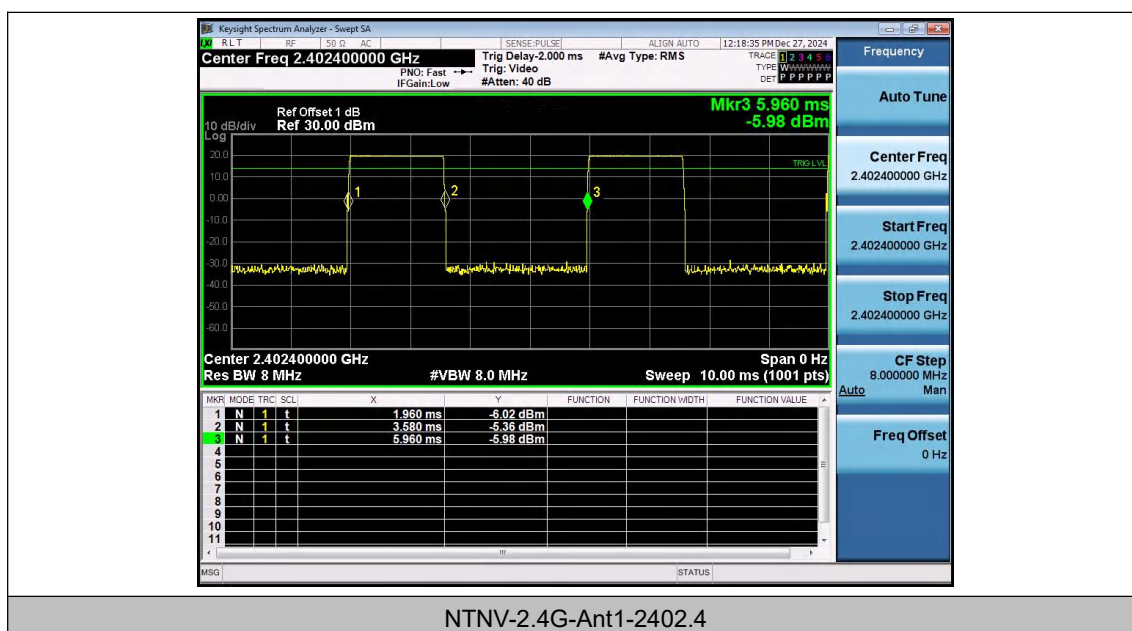
Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2402.4	1.62	4.00	40.50	3.93
2.4G	Ant1	2441.4	1.61	3.98	40.45	3.93
2.4G	Ant1	2479.4	1.64	4.01	40.90	3.88

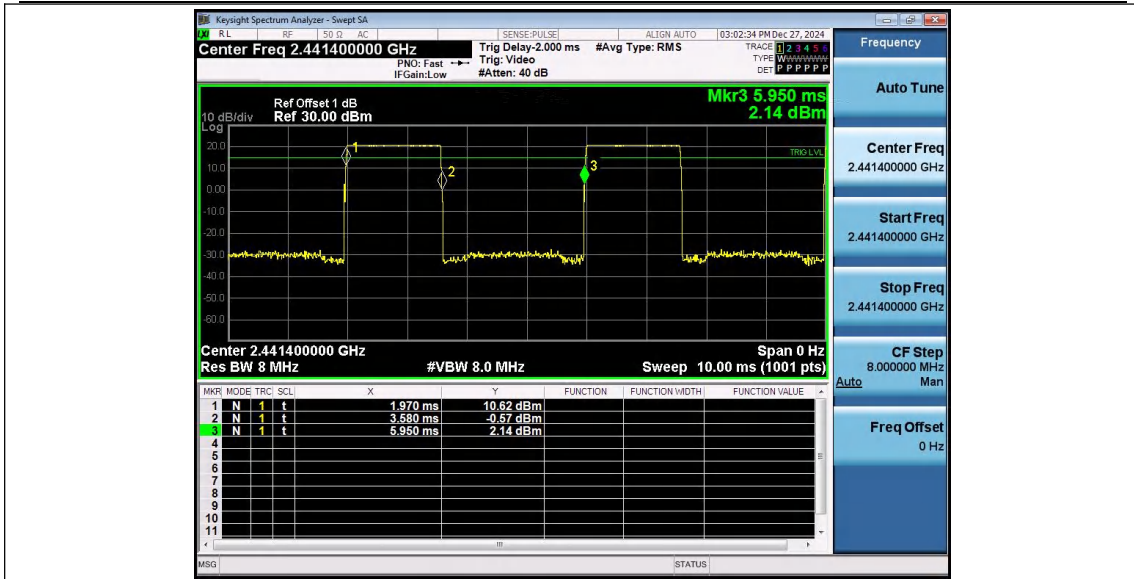
Note:

ON Time[ms]=Mkr2-Mkr1

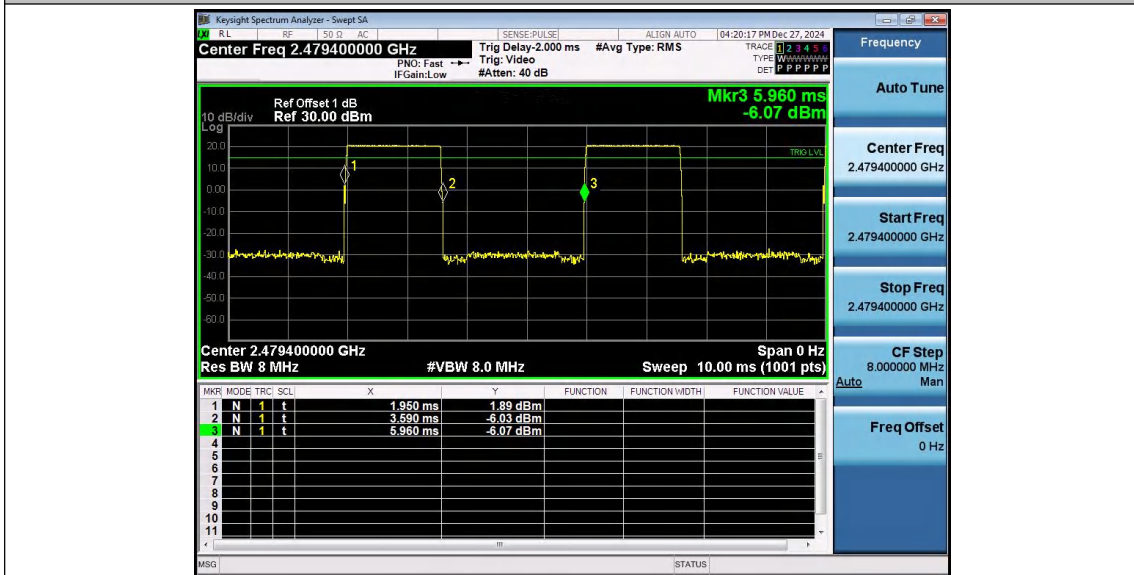
Period[ms]=ON Time+Mkr3-Mkr2

Test Graphs





NTNV-2.4G-Ant1-2441.4



NTNV-2.4G-Ant1-2479.4

---End---