

Appendix Test Data

Report No.:	1812C40194912502	Test Sample No.:	1-2-2
Start Test Date:	2024.12.25	Finish Test Date:	2024.12.31
Test Engineer:	Joker Huang	Auditor:	Justin Feng
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	0.942	2401.929	2402.871	---	---
2.4G	Ant1	2441.4	0.948	2440.926	2441.874	---	---
2.4G	Ant1	2479.4	0.912	2478.950	2479.862	---	---

Test Graphs



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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402.4	0.84519	2401.9711	2402.8163	---	---
2.4G	Ant1	2441.4	0.88200	2440.9494	2441.8314	---	---
2.4G	Ant1	2479.4	0.86594	2478.9632	2479.8291	---	---

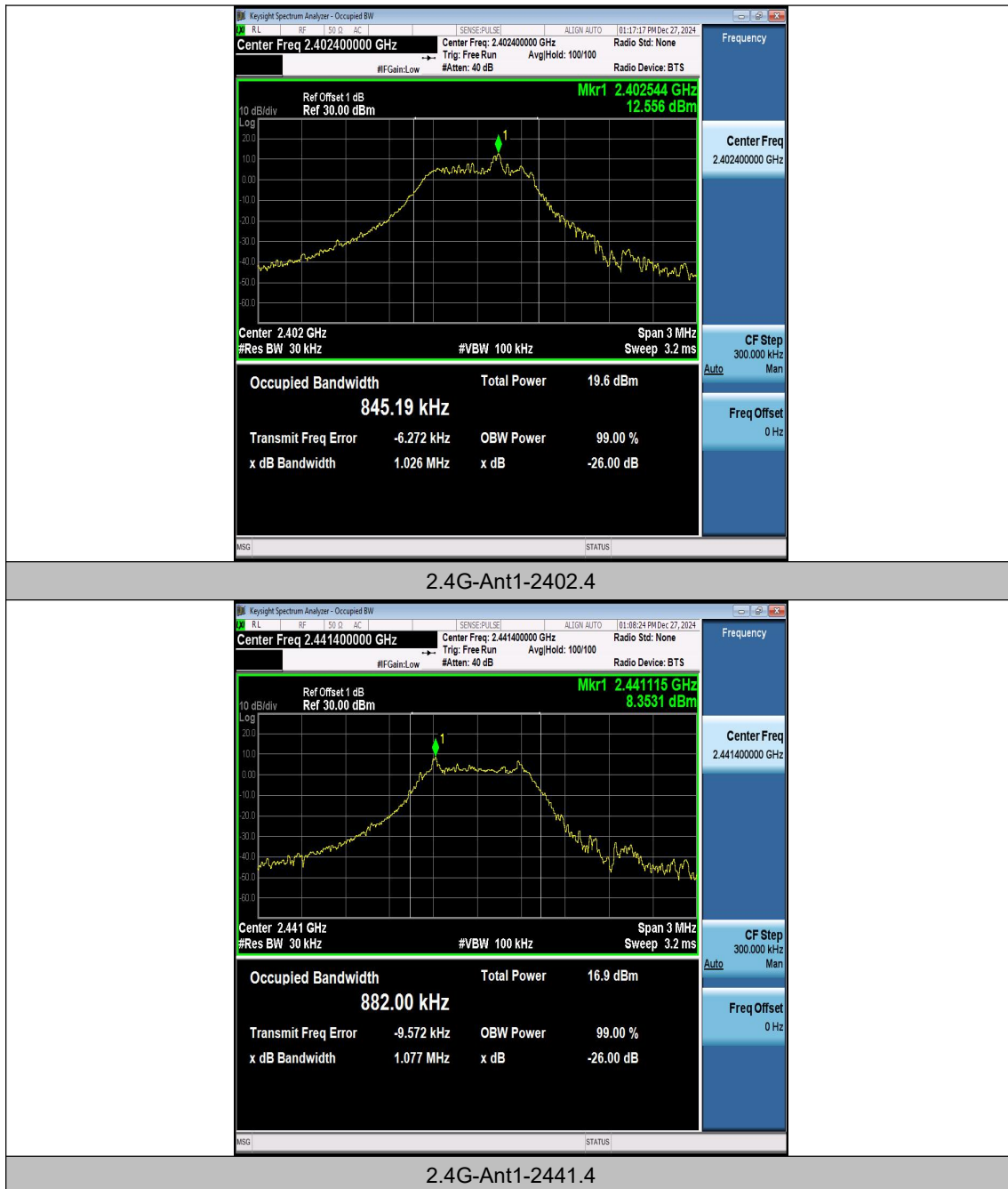
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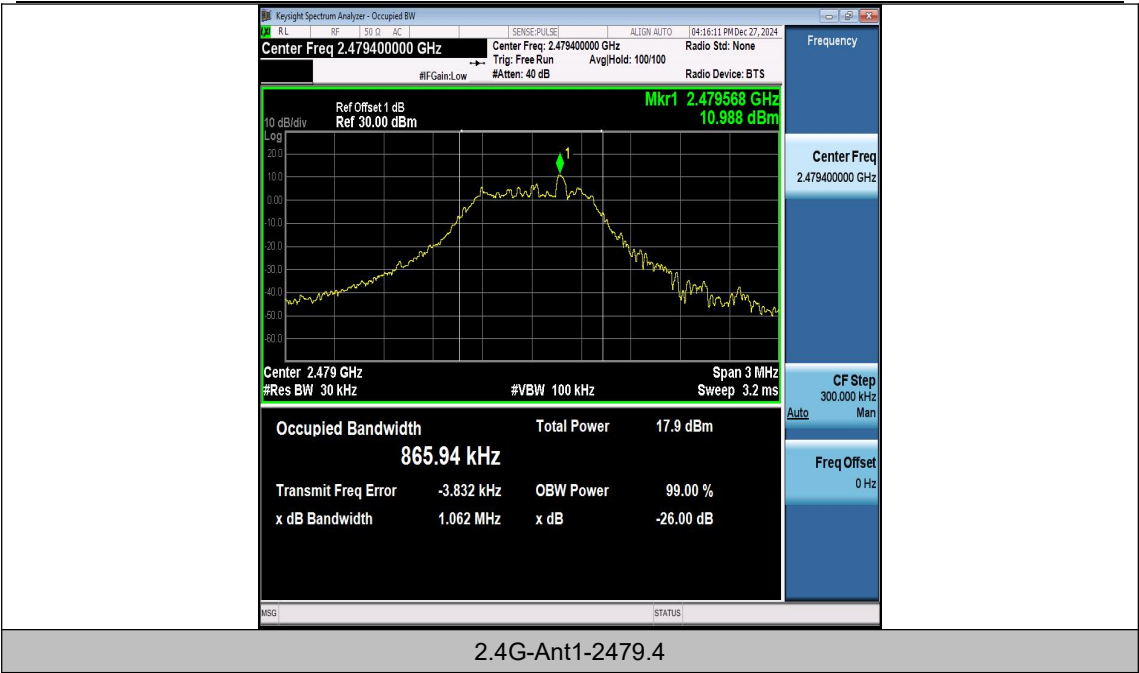
Test Graphs



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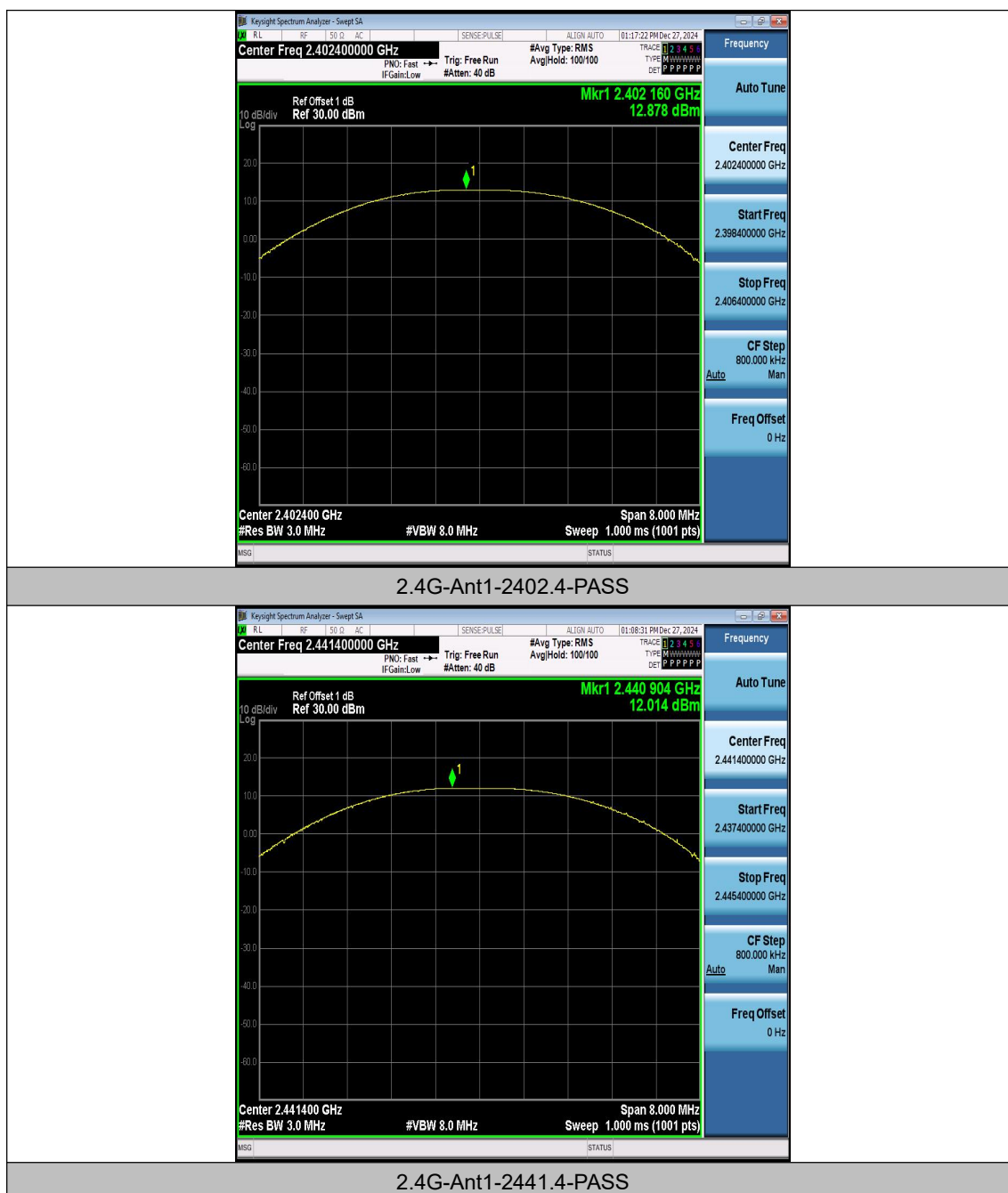
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Appendix C: Maximum Conducted Output Power

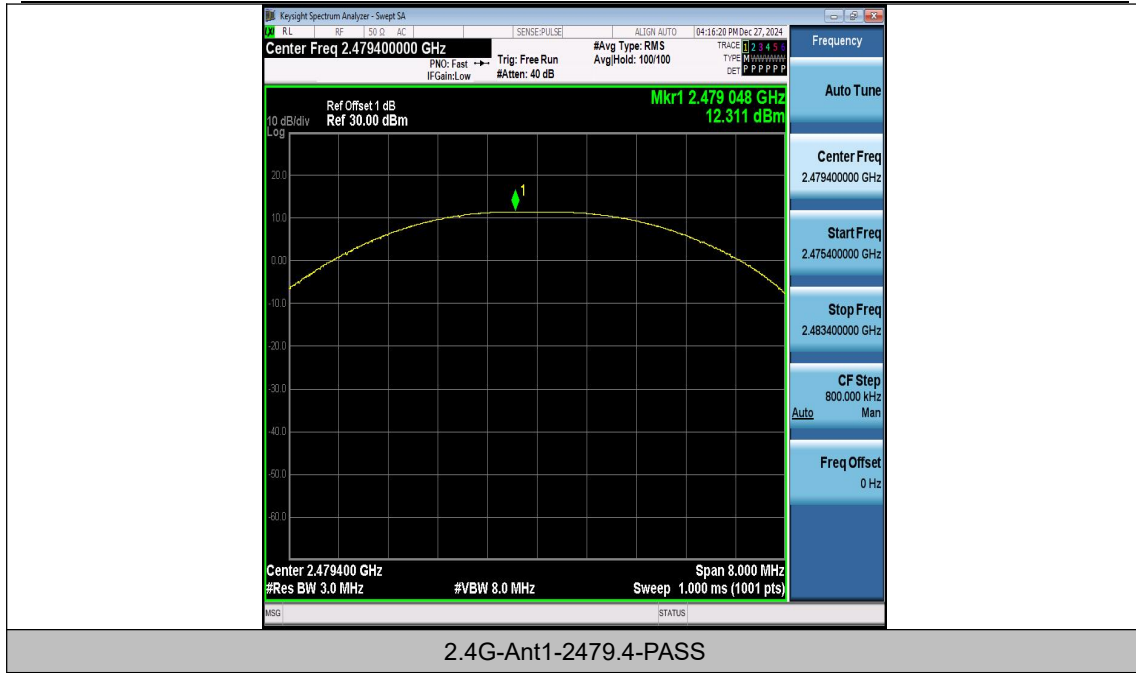
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2402.4	12.88	≤30	PASS
2.4G	Ant1	2441.4	12.01	≤30	PASS
2.4G	Ant1	2479.4	11.41	≤30	PASS

Test Graphs



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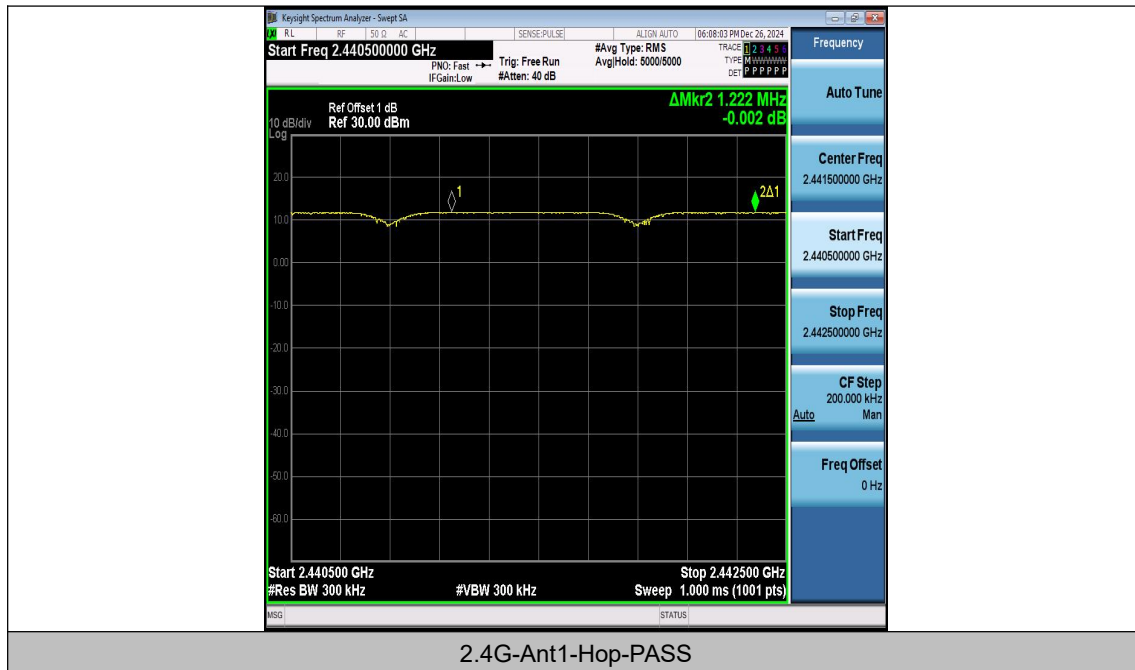
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	1.222	≥0.948	PASS



Test Graphs



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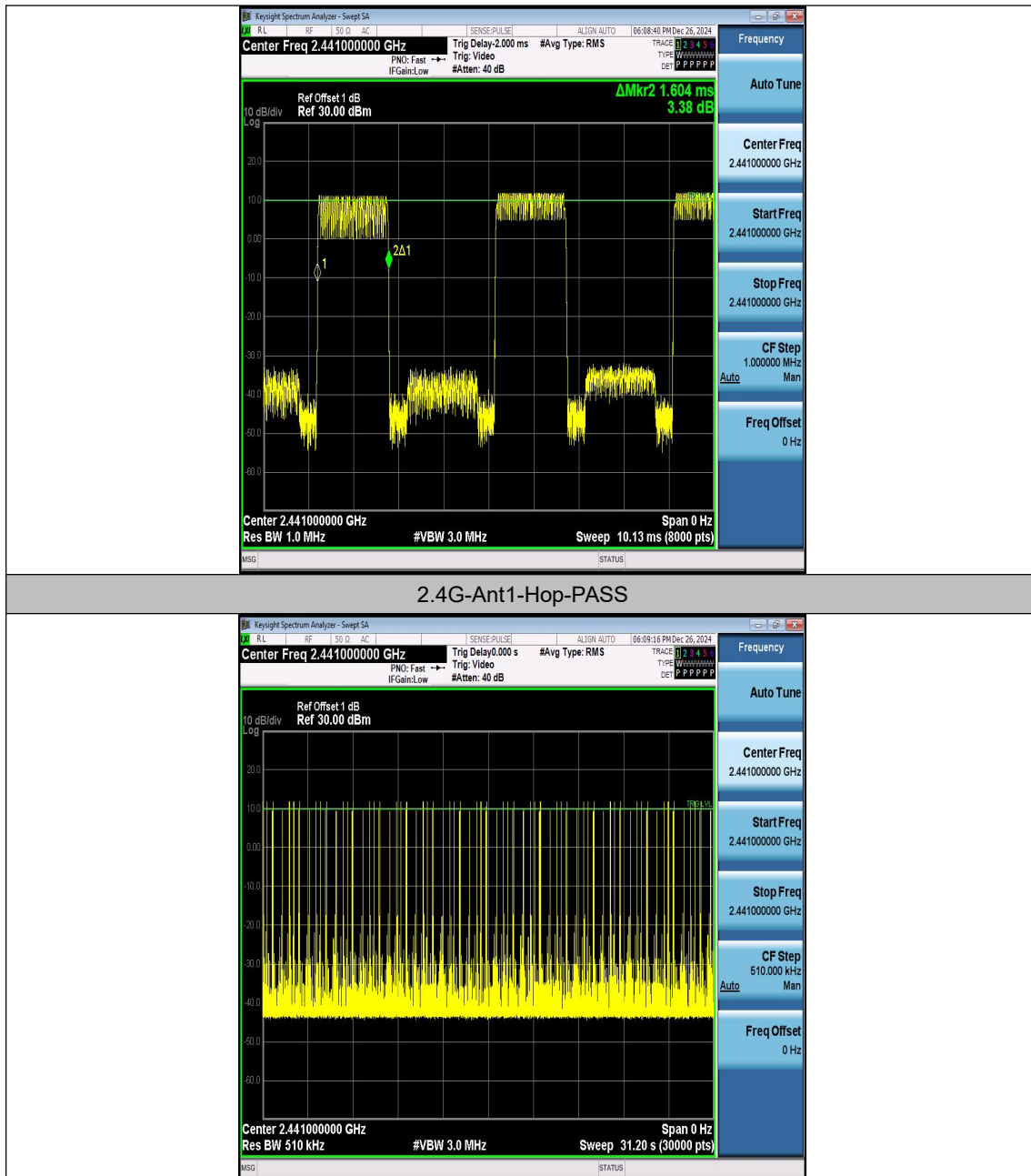
Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	1.604	85	0.136	≤0.4	PASS



Test Graphs



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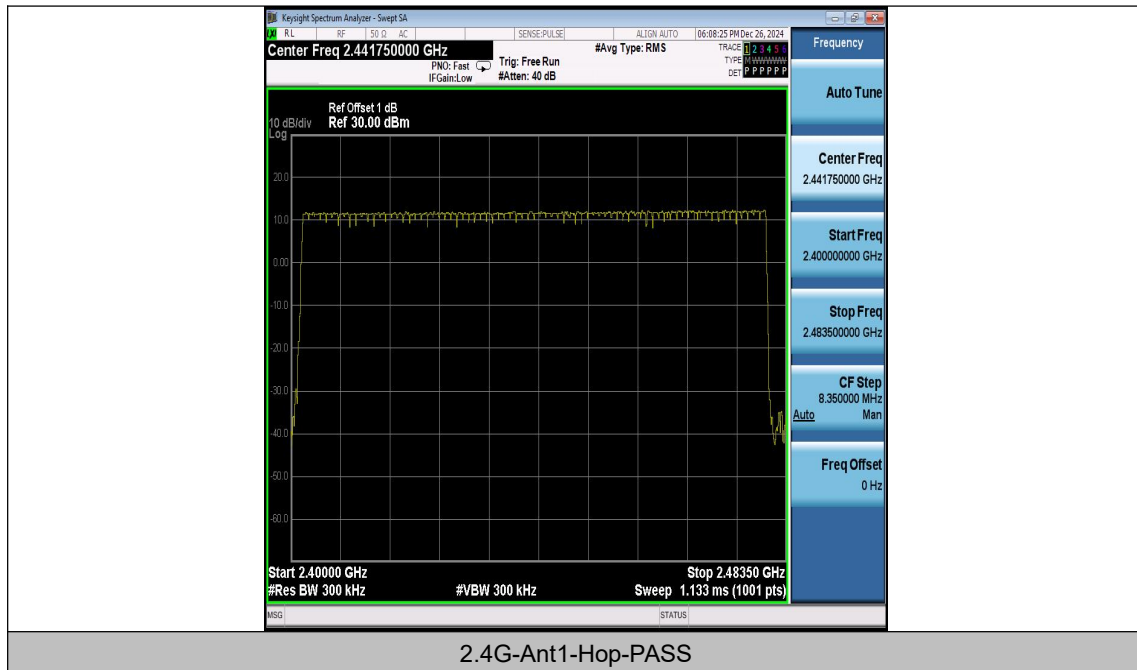
Appendix F: Number of Hopping Channel

Test Result

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



Test Graphs



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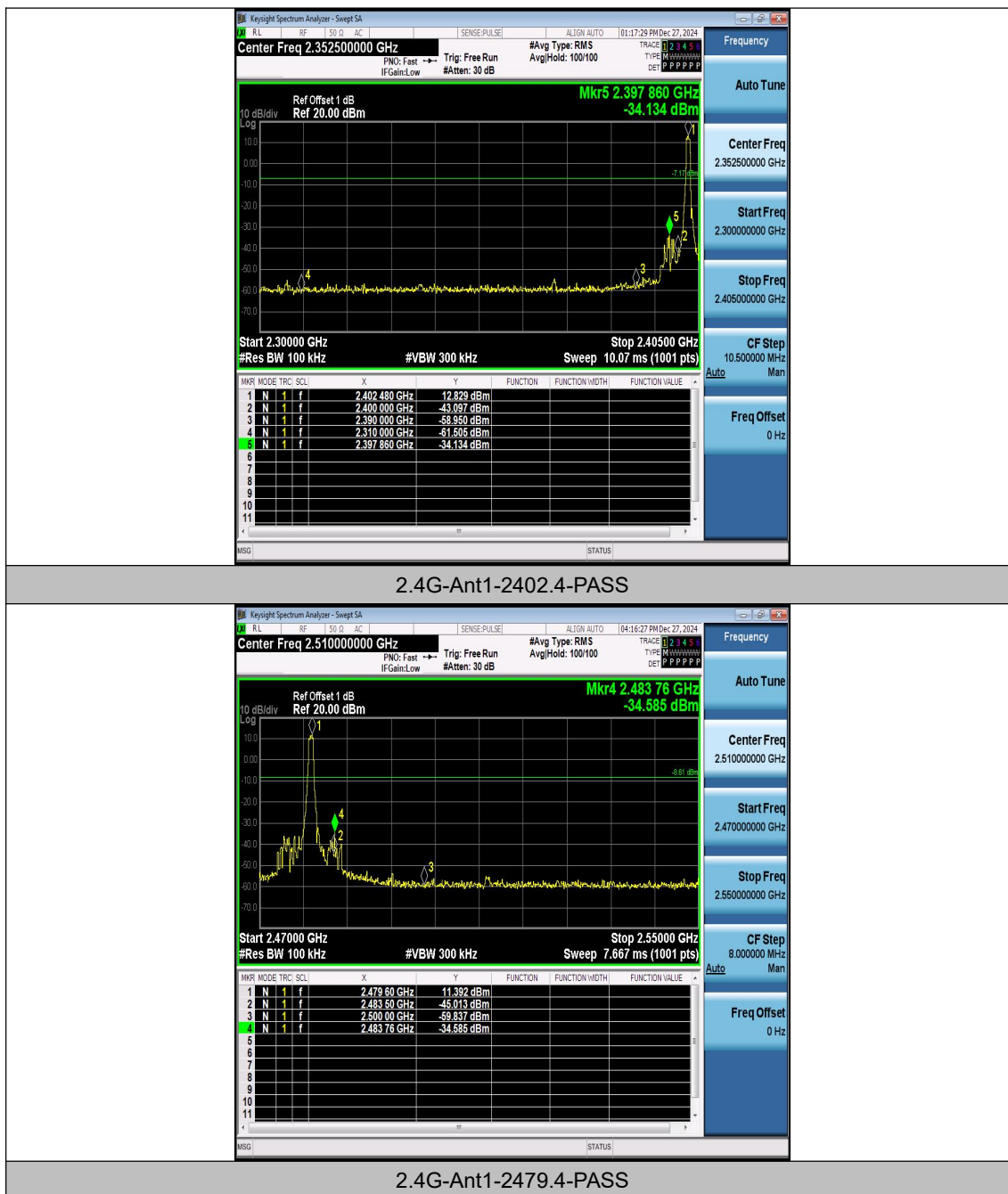
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2402.4	12.83	-34.13	≤ -7.17	PASS
2.4G	Ant1	High	2479.4	11.39	-34.59	≤ -8.61	PASS
2.4G	Ant1	Low	Hop_2402.4	11.43	-40.83	≤ -8.57	PASS
2.4G	Ant1	High	Hop_2479.4	12.24	-41.42	≤ -7.77	PASS



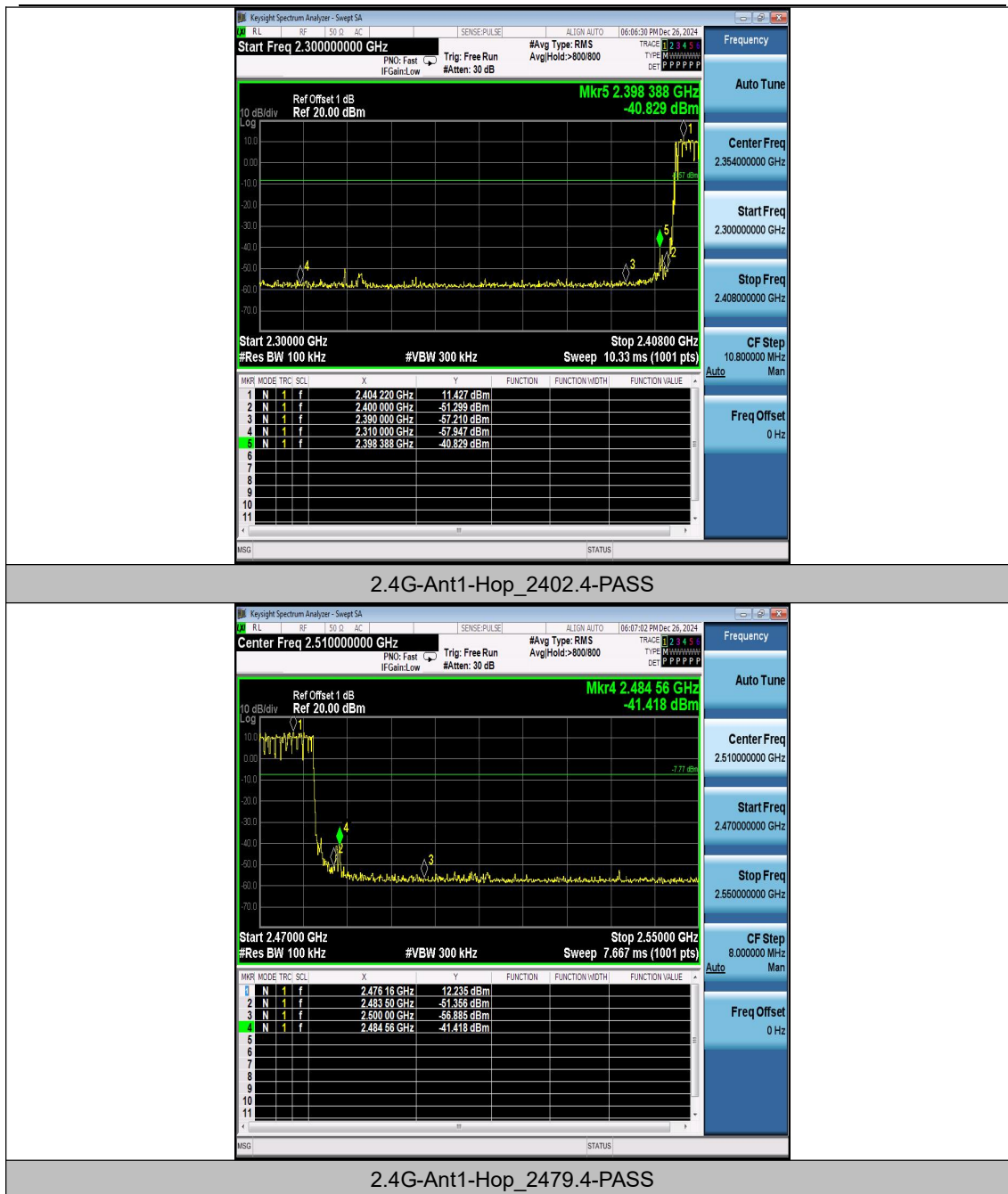
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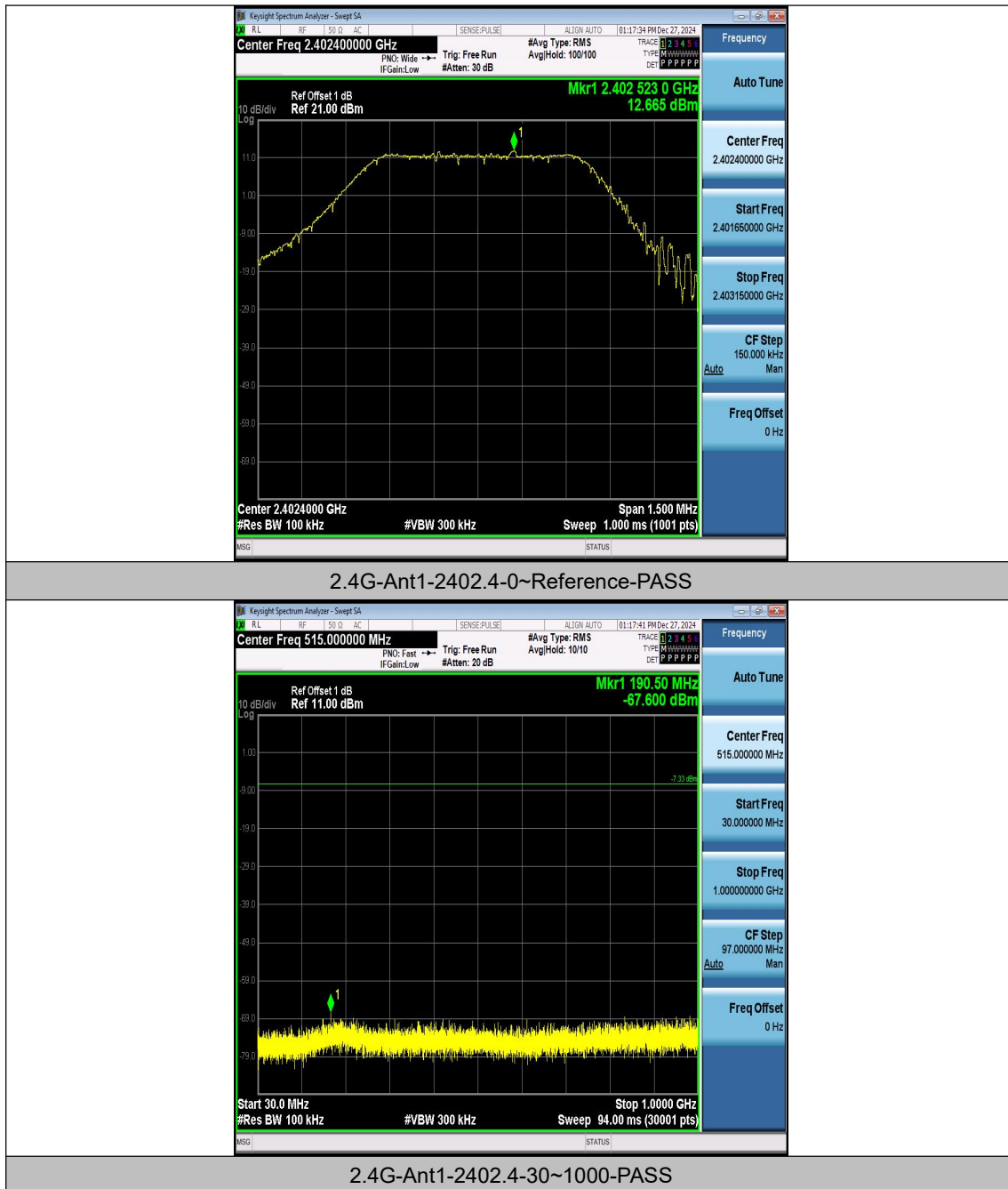
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2402.4	0~Reference	12.67	12.67	---	PASS
2.4G	Ant1	2402.4	30~1000	12.67	-67.6	≤-7.33	PASS
2.4G	Ant1	2402.4	1000~26500	12.67	-23.64	≤-7.33	PASS
2.4G	Ant1	2441.4	0~Reference	11.84	11.84	---	PASS
2.4G	Ant1	2441.4	30~1000	11.84	-68.23	≤-8.16	PASS
2.4G	Ant1	2441.4	1000~26500	11.84	-29.65	≤-8.16	PASS
2.4G	Ant1	2479.4	0~Reference	11.38	11.38	---	PASS
2.4G	Ant1	2479.4	30~1000	11.38	-68	≤-8.62	PASS
2.4G	Ant1	2479.4	1000~26500	11.38	-26.89	≤-8.62	PASS



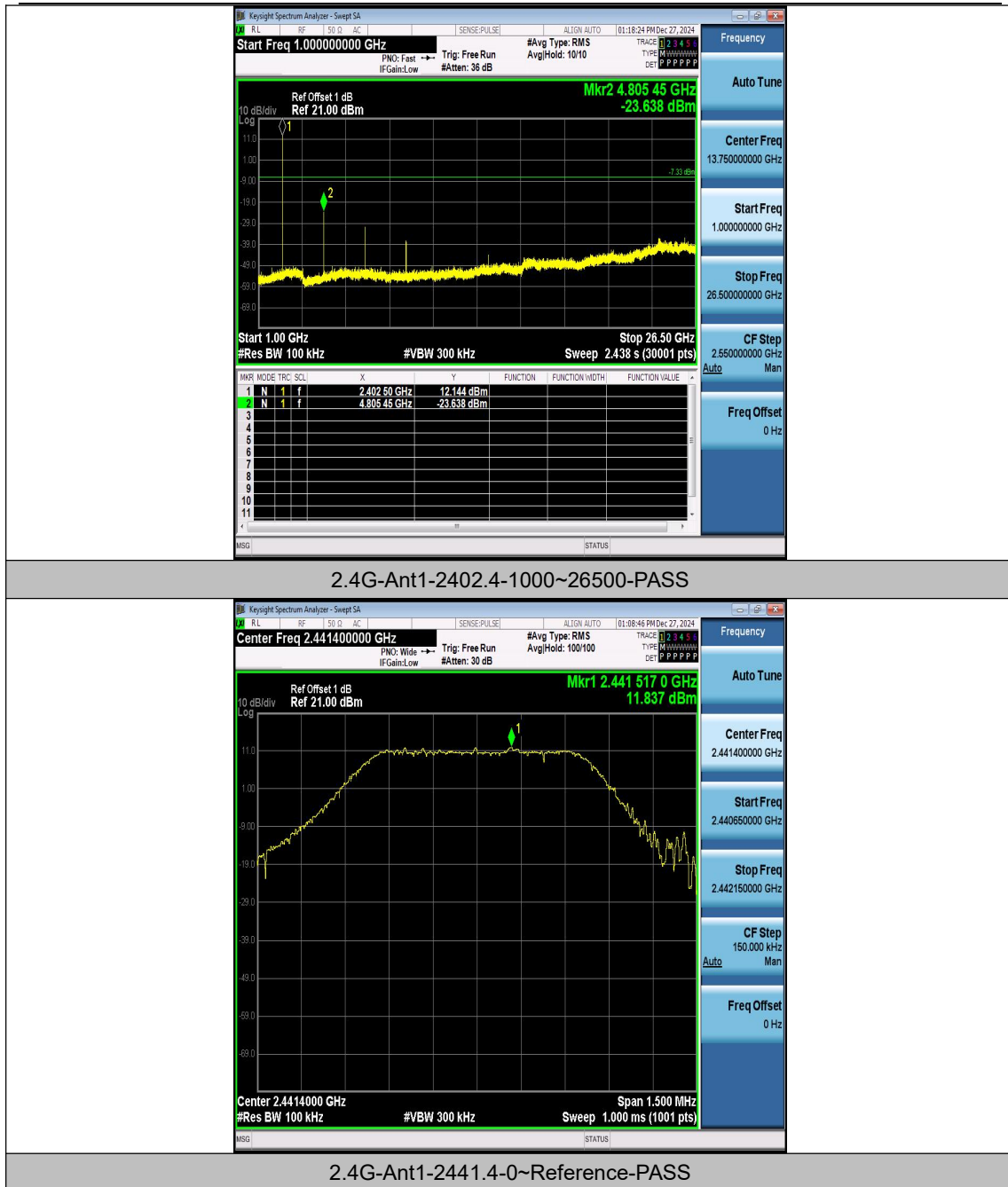
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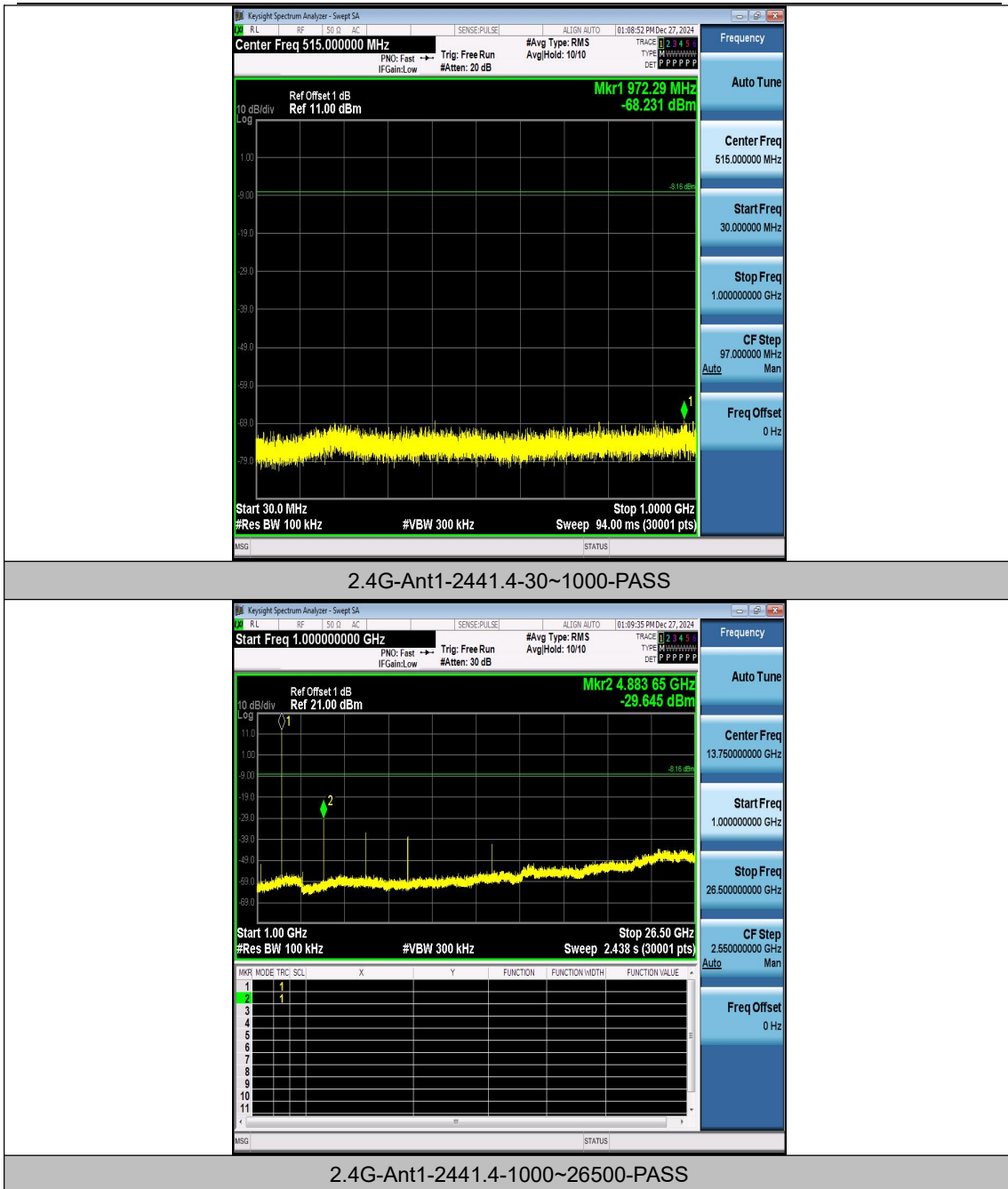
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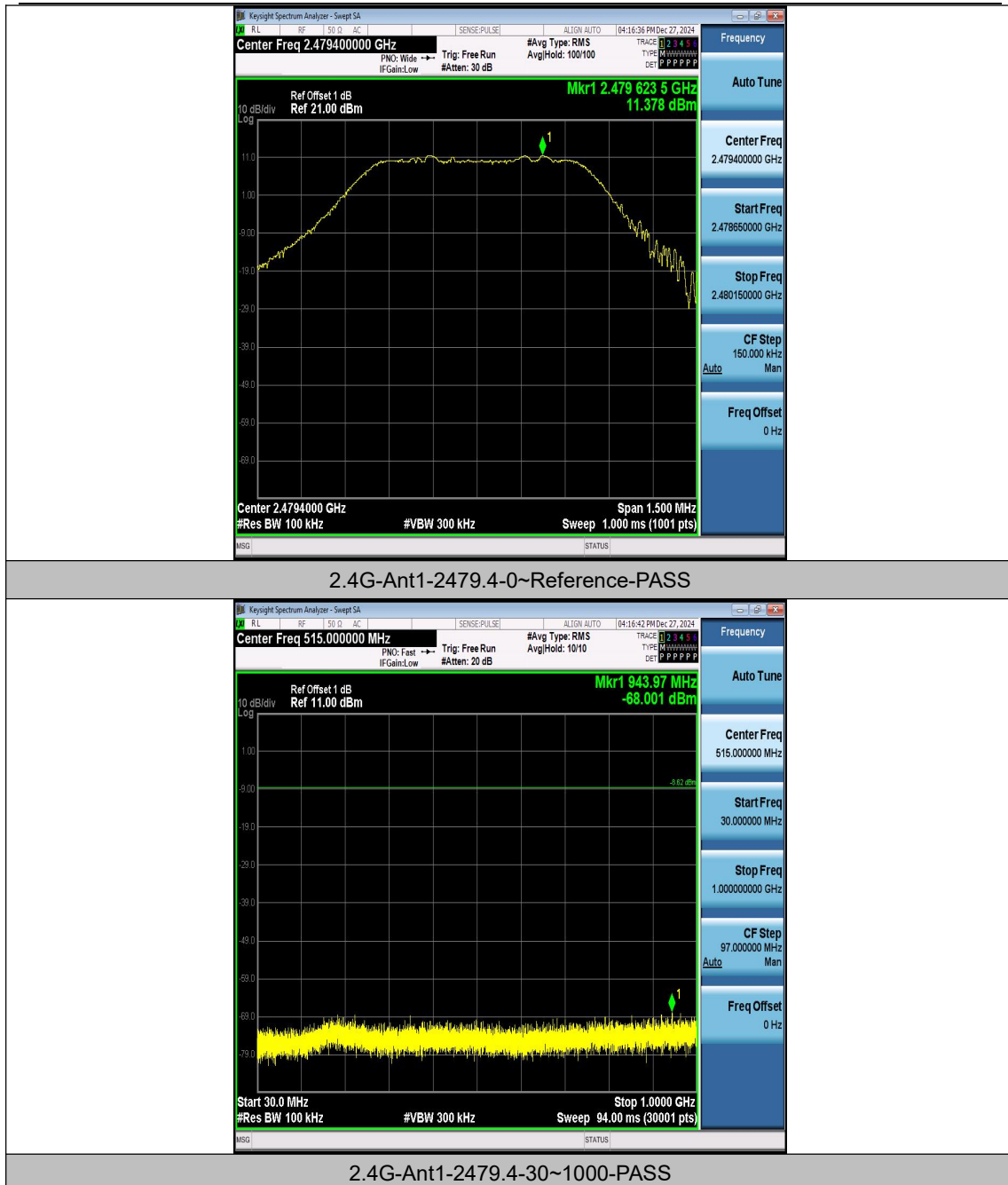


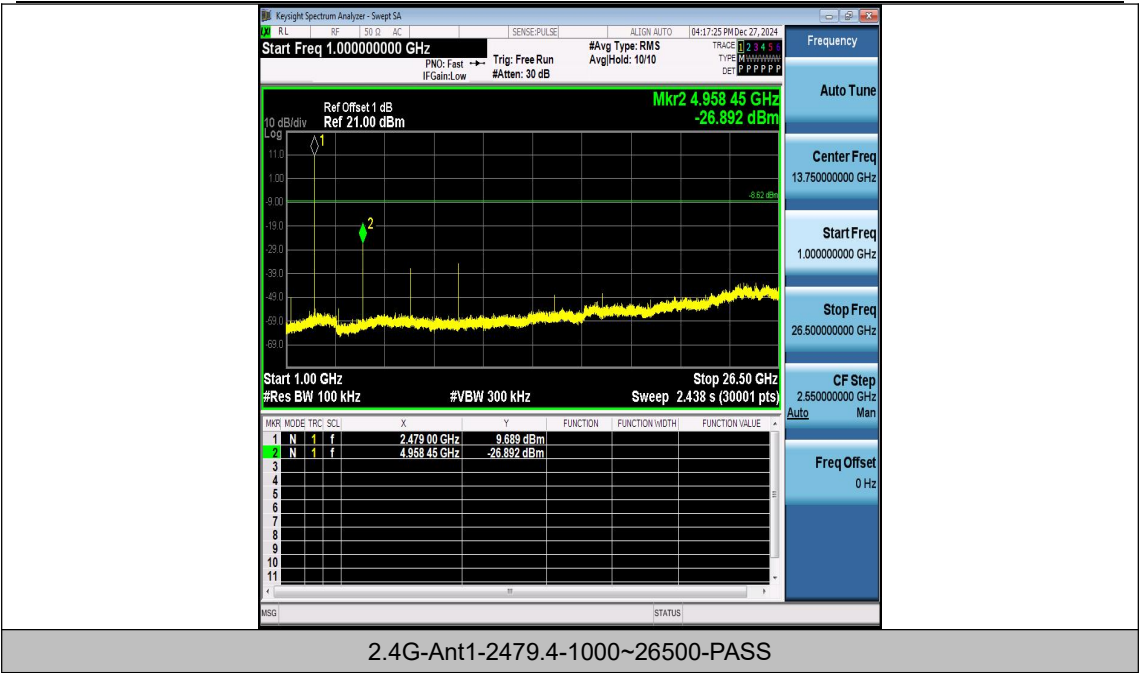
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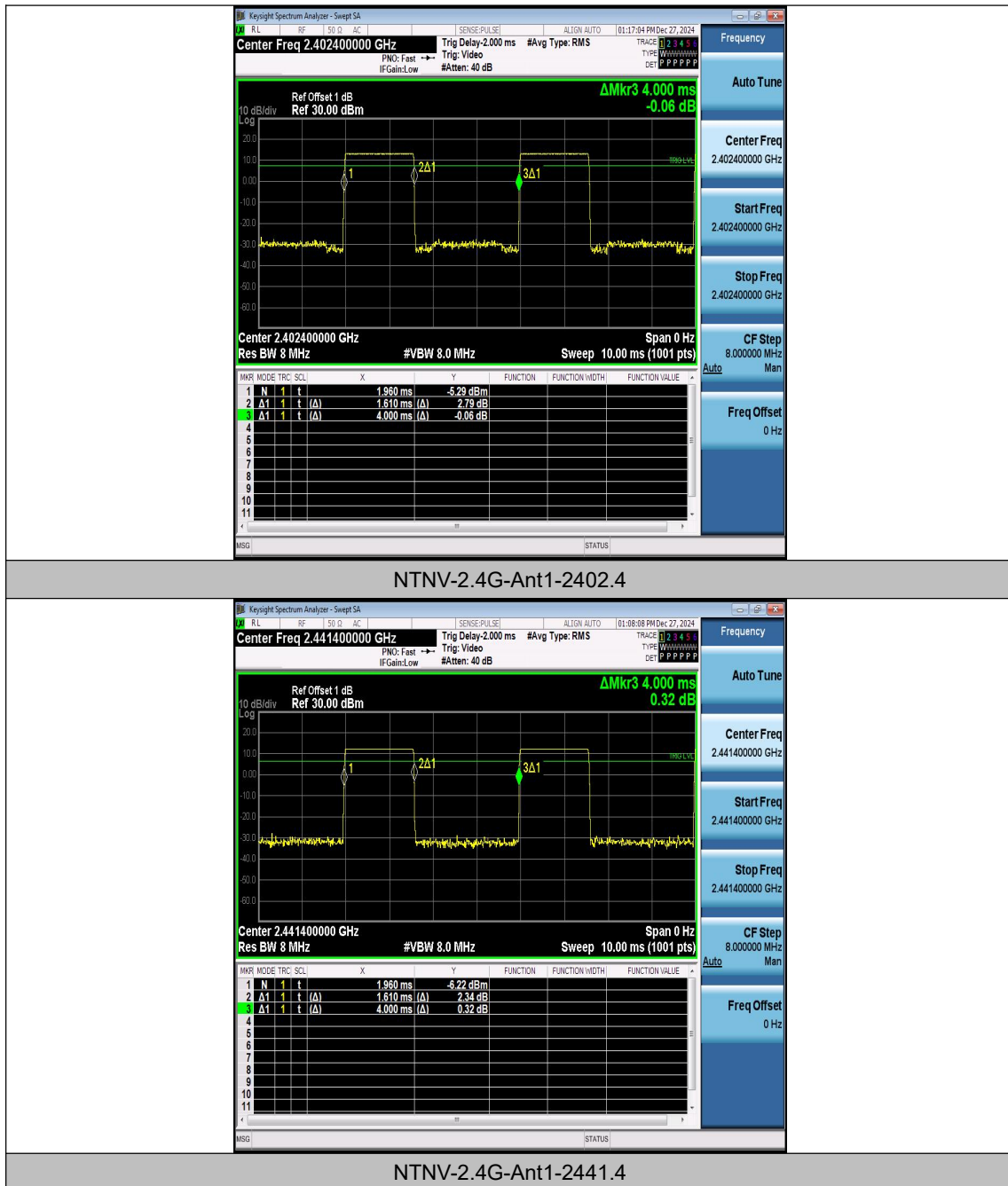
Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2402.4	1.61	4.00	40.25	3.95
2.4G	Ant1	2441.4	1.61	4.00	40.25	3.95
2.4G	Ant1	2479.4	1.61	4.00	40.25	3.95



Test Graphs





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