

Appendix Test Data-ANT2

Report No.:	1812C40097512503	Test Sample No.:	1-2-2
Start Test Date:	2024-11-06	Finish Test Date:	2024-11-06
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	25.5℃	Relative Humidity:	47%
Pressure:	101kPa		

Appendix A: 20dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402.4	0.975	2401.911	2402.886	---	---
2.4G	Ant1	2441.4	0.981	2440.905	2441.886	---	---
2.4G	Ant1	2479.4	0.969	2478.923	2479.892	---	---



Test Graphs



2.4G-Ant1-2402.4



2.4G-Ant1-2441.4



2.4G-Ant1-2479.4

Shenzhen Anbotek Compliance Laboratory Limited

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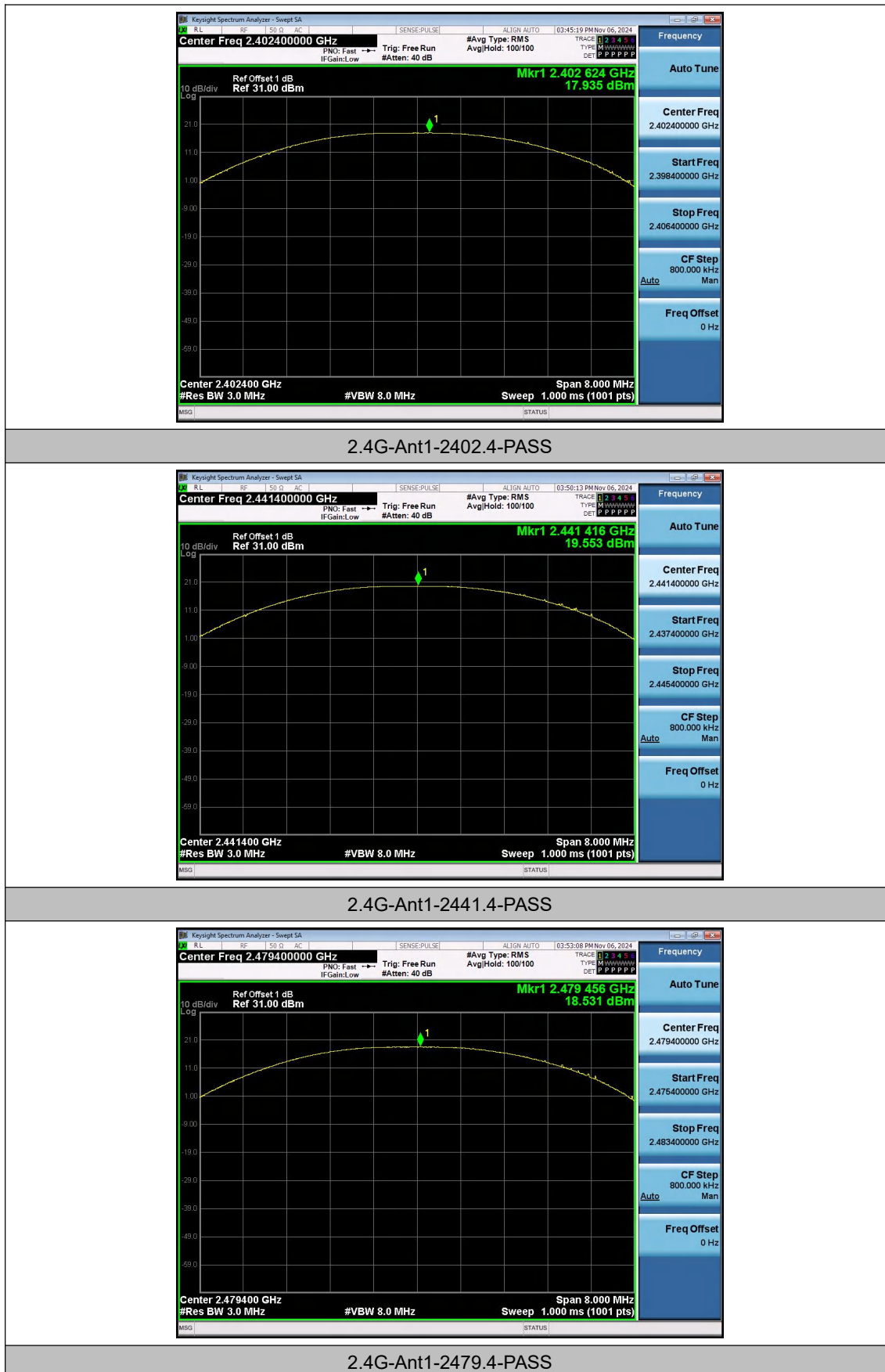
Appendix B: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2402.4	17.94	≤30	PASS
2.4G	Ant1	2441.4	19.55	≤30	PASS
2.4G	Ant1	2479.4	18.53	≤30	PASS



Test Graphs



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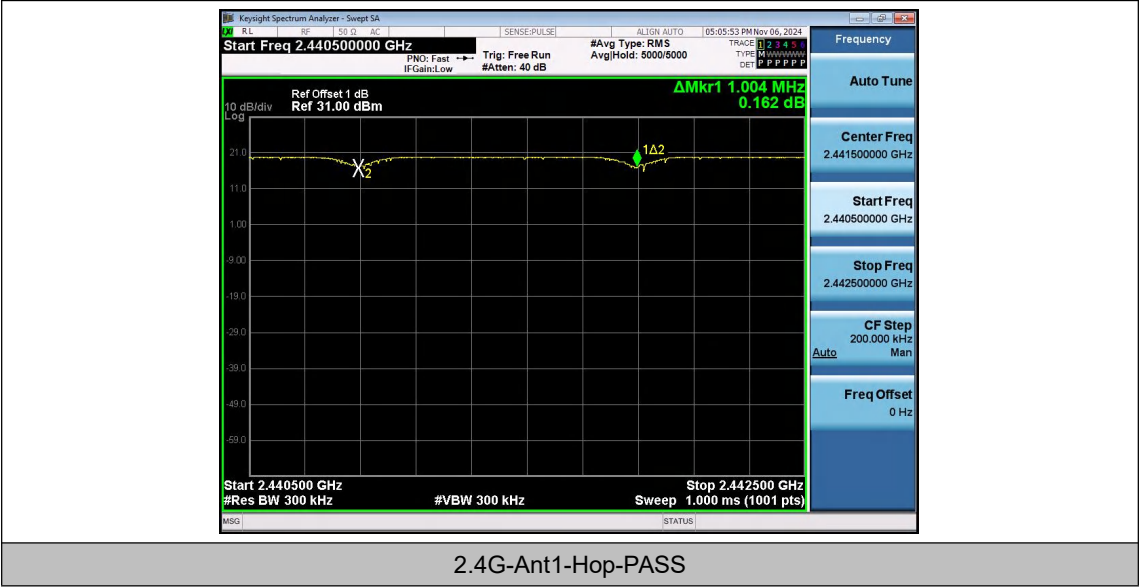


Appendix C: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	1.004	≥0.981	PASS

Test Graphs

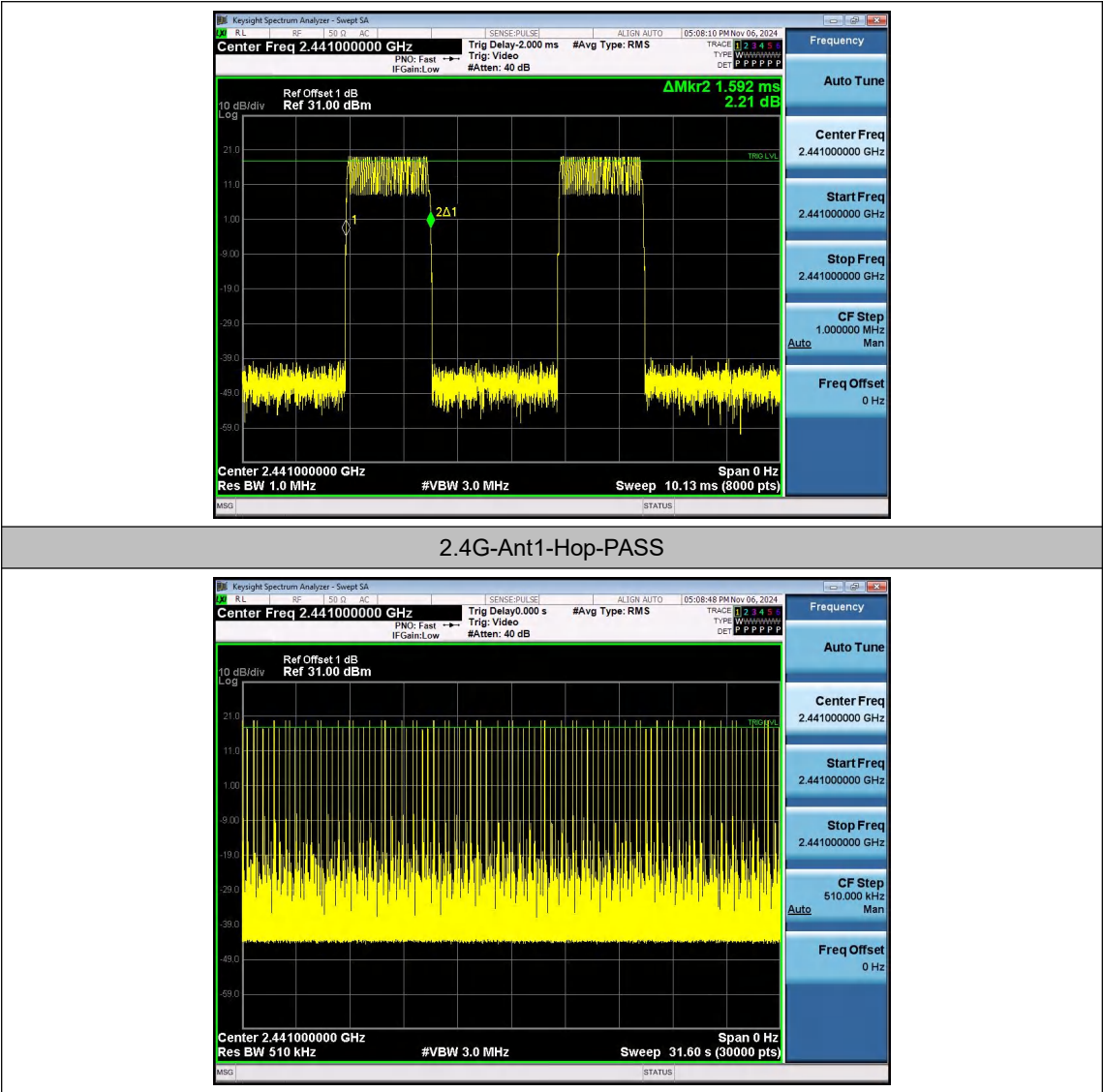


Appendix D: Dwell Time

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	1.592	102	0.162	≤0.4	PASS

Test Graphs

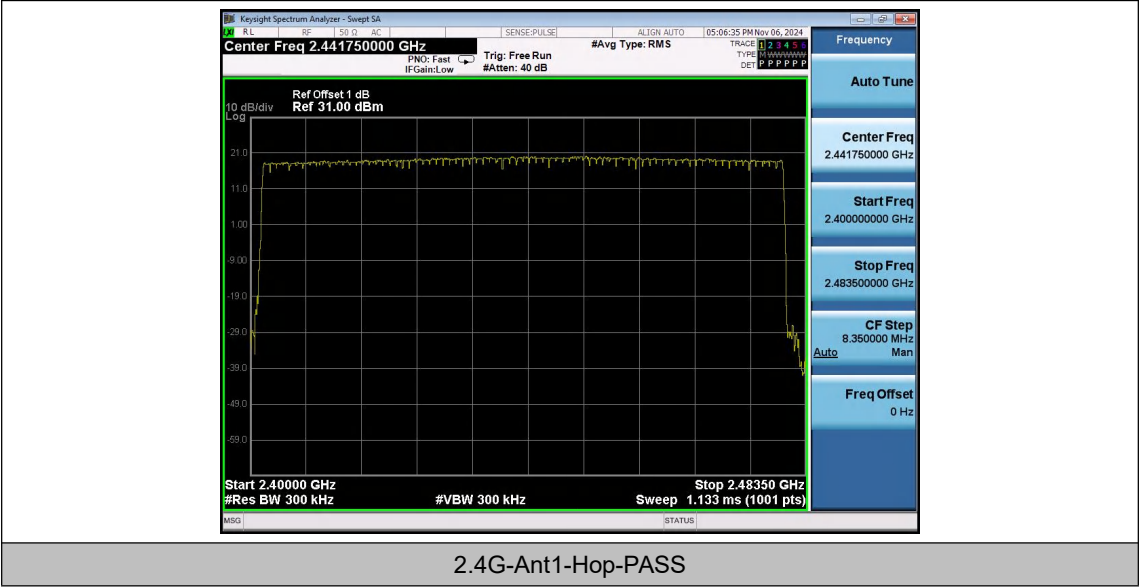


Appendix E: Number of Hopping Channel

Test Result

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

Test Graphs

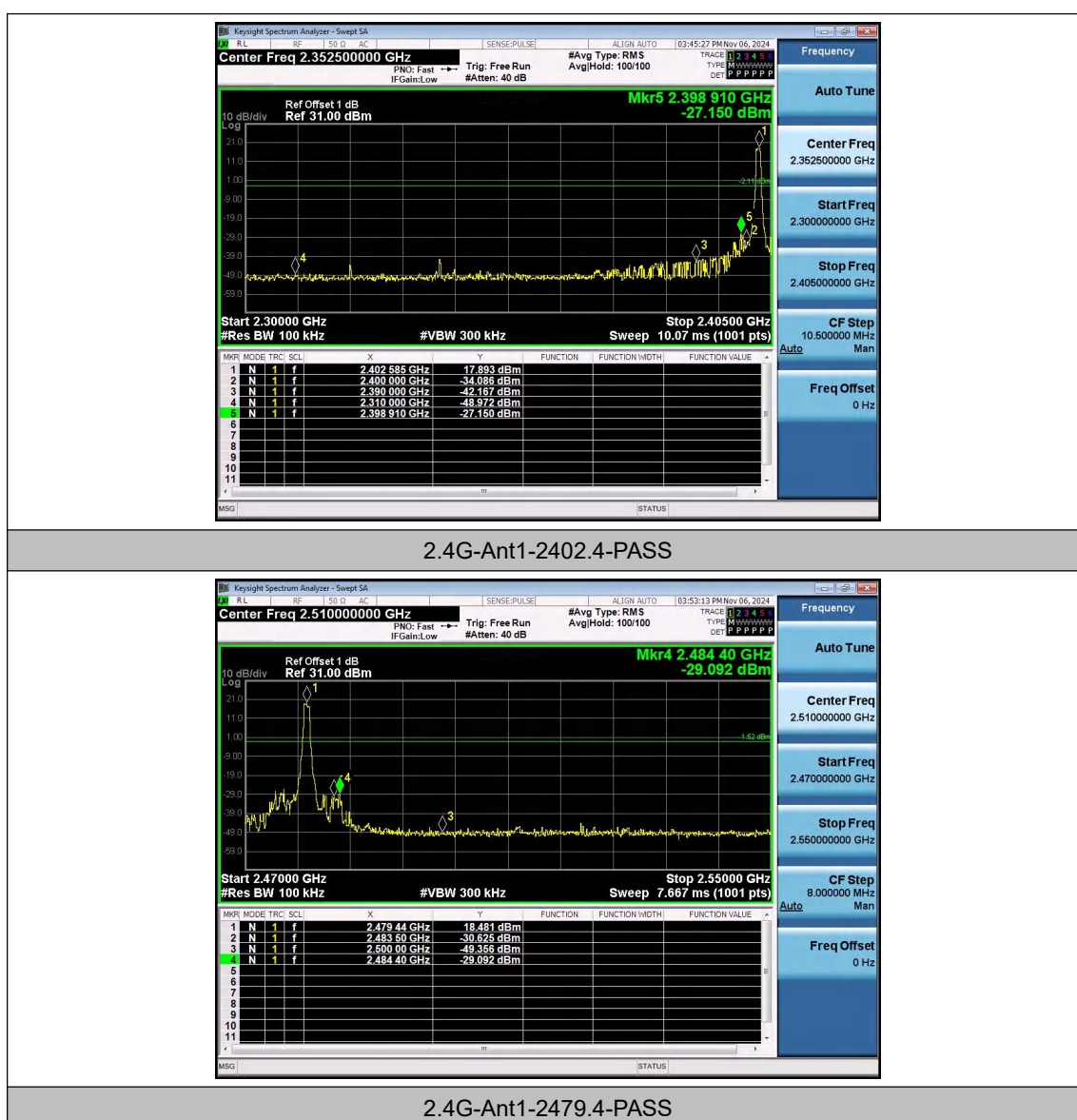


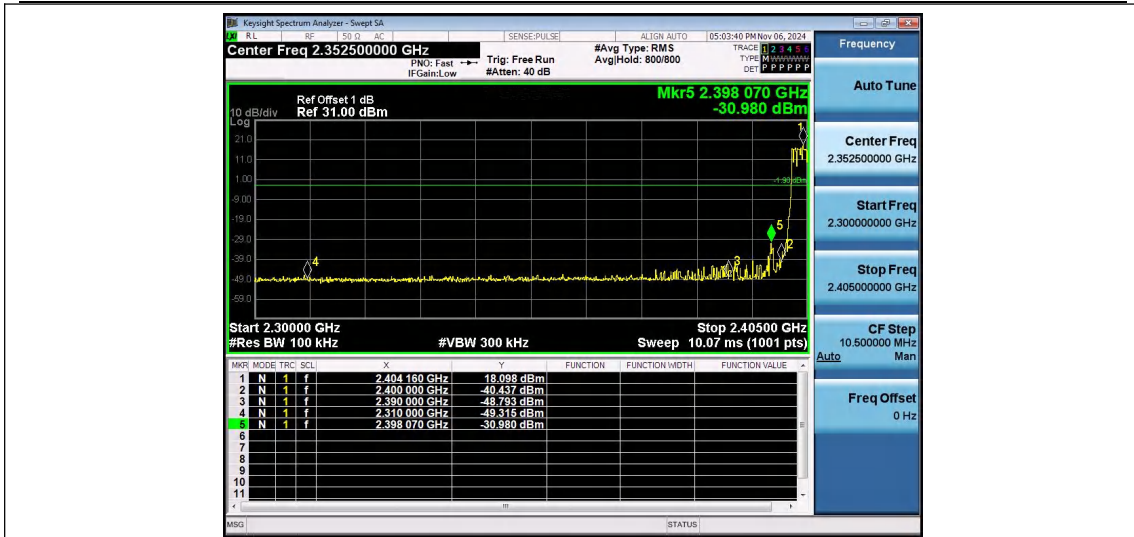
Appendix F: Conducted Band edge

Test Result

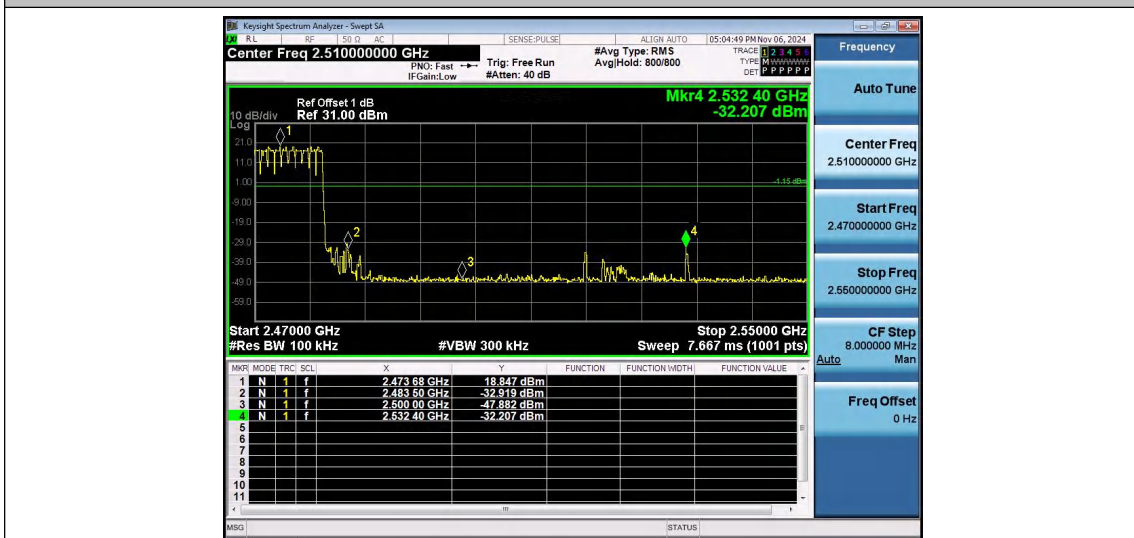
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2402.4	17.89	-27.15	≤-2.11	PASS
2.4G	Ant1	High	2479.4	18.48	-29.09	≤-1.52	PASS
2.4G	Ant1	Low	Hop_2402.4	18.10	-30.98	≤-1.9	PASS
2.4G	Ant1	High	Hop_2479.4	18.85	-32.21	≤-1.15	PASS

Test Graphs





2.4G-Ant1-Hop_2402.4-PASS



2.4G-Ant1-Hop_2479.4-PASS



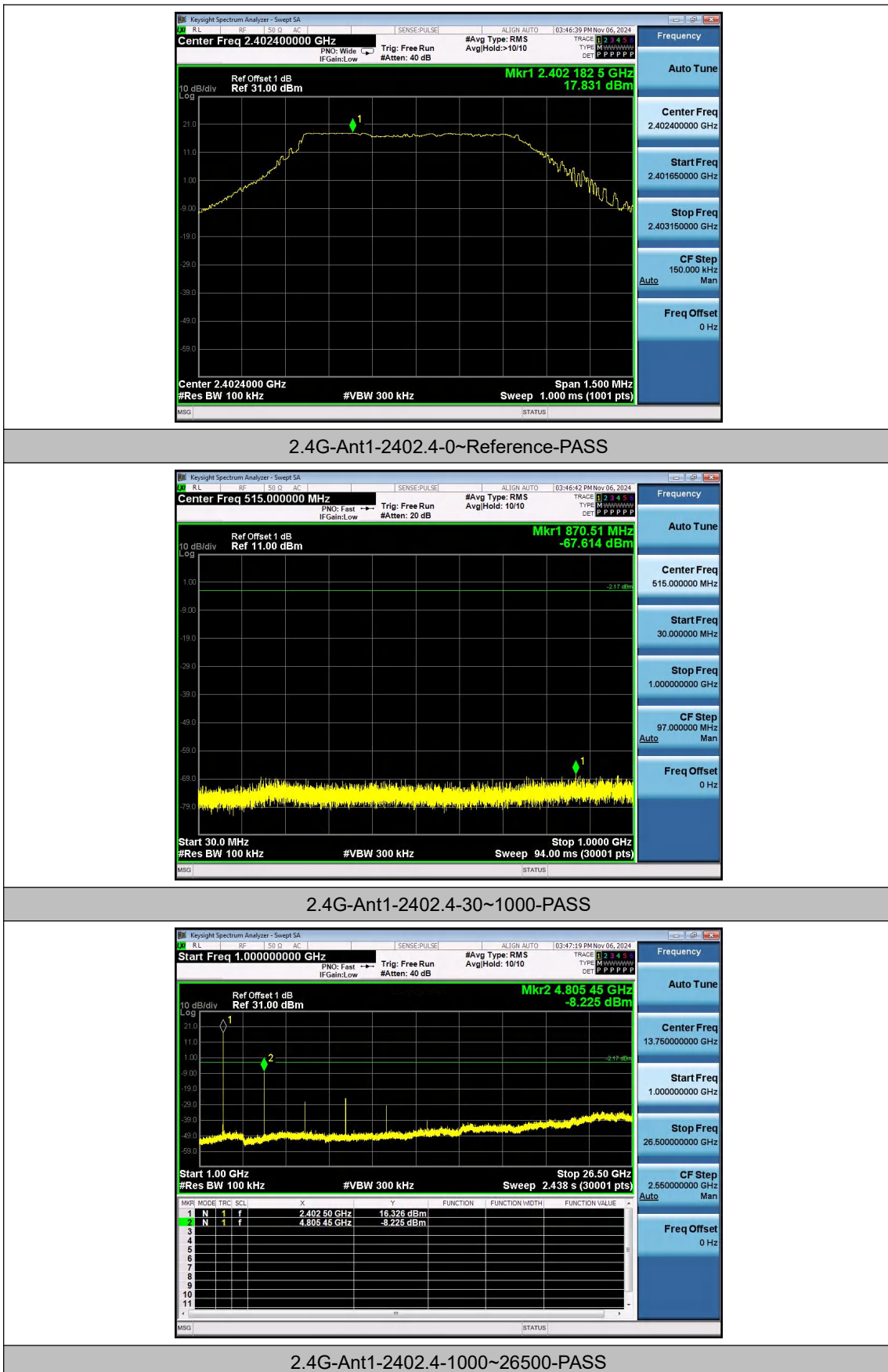
Appendix G: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2402.4	0~Reference	17.83	17.83	---	PASS
2.4G	Ant1	2402.4	30~1000	17.83	-67.61	≤-2.17	PASS
2.4G	Ant1	2402.4	1000~26500	17.83	-8.23	≤-2.17	PASS
2.4G	Ant1	2441.4	0~Reference	19.46	19.46	---	PASS
2.4G	Ant1	2441.4	30~1000	19.46	-64.02	≤-0.54	PASS
2.4G	Ant1	2441.4	1000~26500	19.46	-11.77	≤-0.54	PASS
2.4G	Ant1	2479.4	0~Reference	18.43	18.43	---	PASS
2.4G	Ant1	2479.4	30~1000	18.43	-68	≤-1.57	PASS
2.4G	Ant1	2479.4	1000~26500	18.43	-13.14	≤-1.57	PASS



Test Graphs



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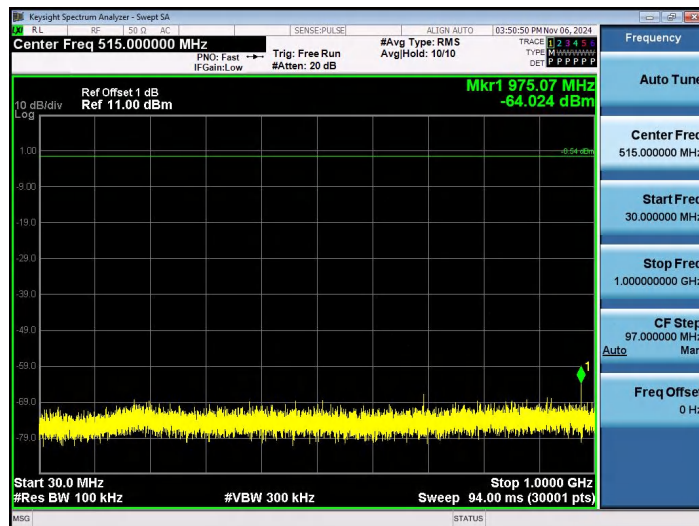
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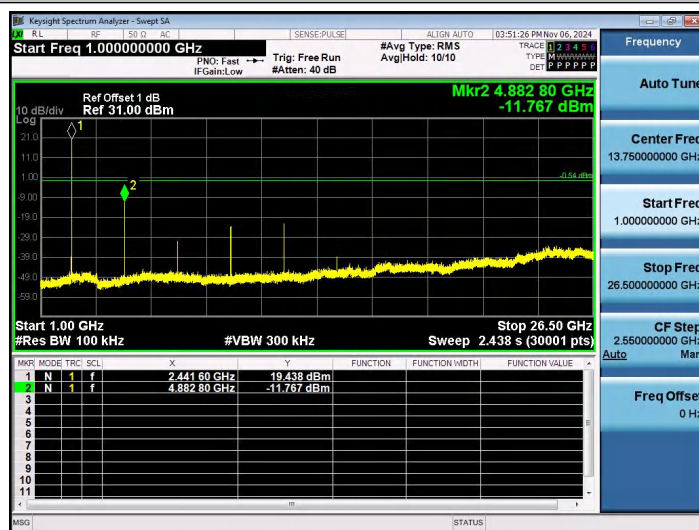




2.4G-Ant1-2441.4-0~Reference-PASS



2.4G-Ant1-2441.4-30~1000-PASS

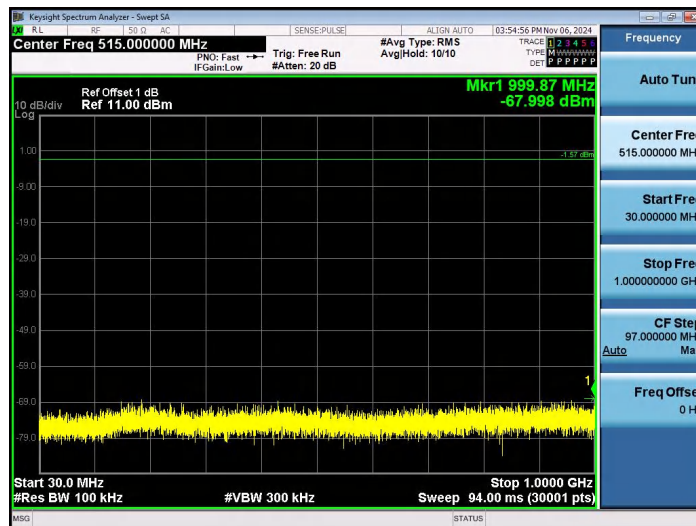


2.4G-Ant1-2441.4-1000~26500-PASS

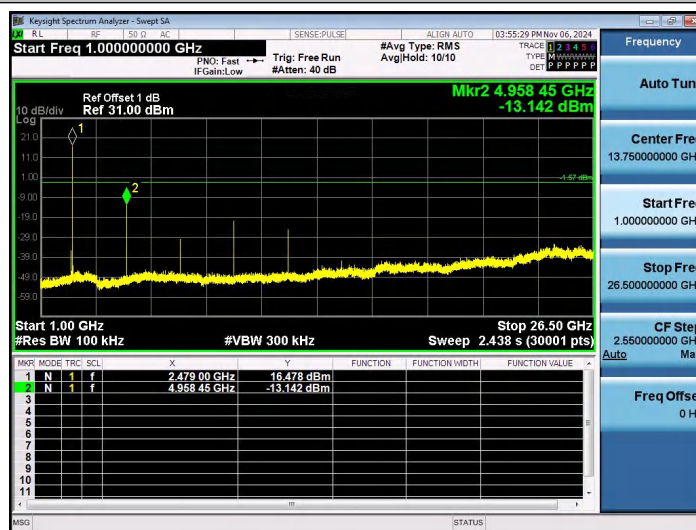




2.4G-Ant1-2479.4-0~Reference-PASS



2.4G-Ant1-2479.4-30~1000-PASS



2.4G-Ant1-2479.4-1000~26500-PASS

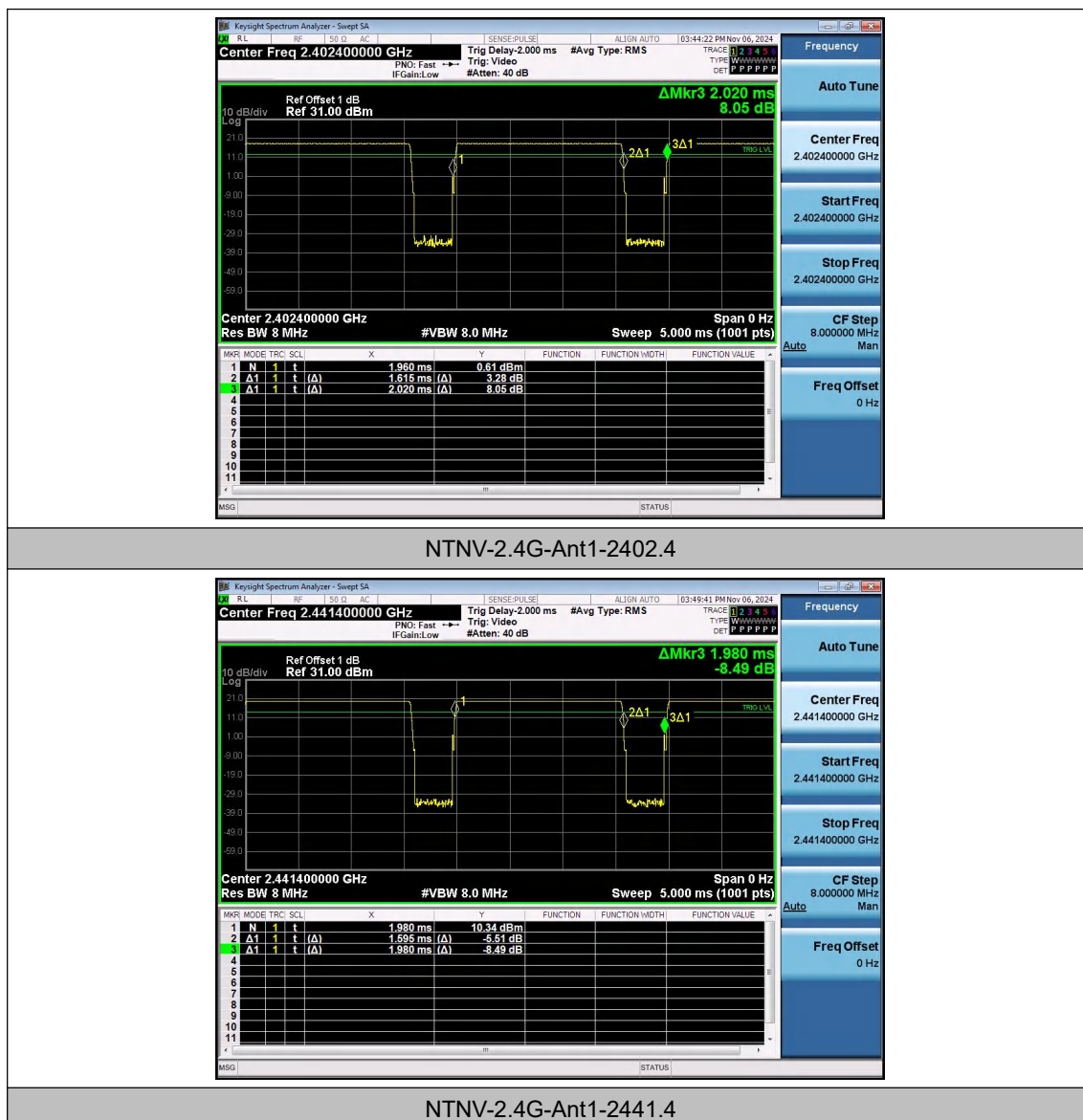


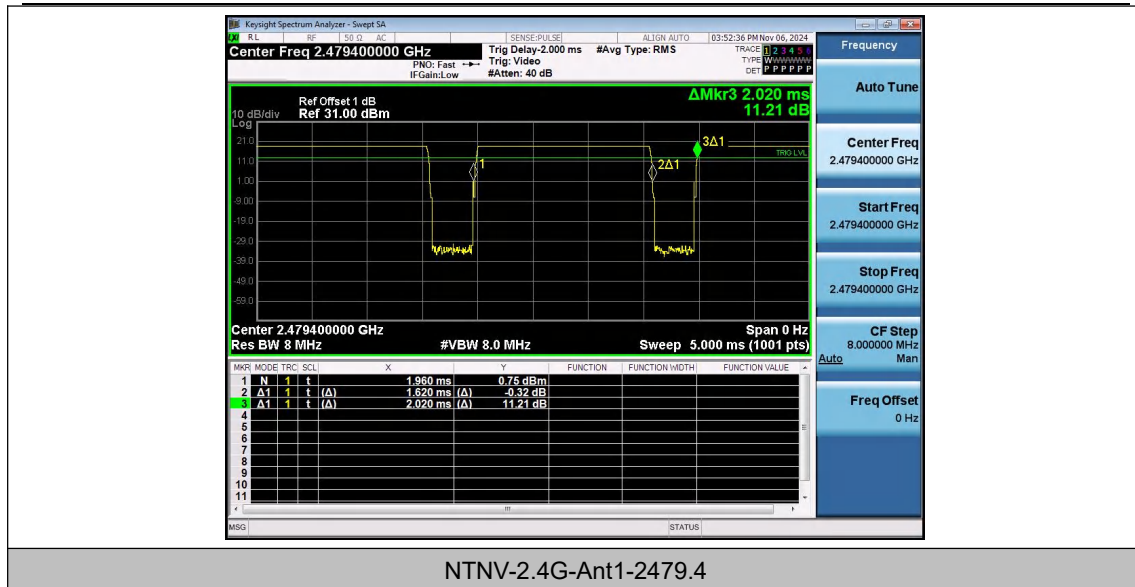
Appendix H: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2402.4	1.615	2.020	80	0.97
2.4G	Ant1	2441.4	1.595	1.980	81	0.92
2.4G	Ant1	2479.4	1.620	2.020	80	0.97

Test Graphs





---End---

