

## Appendix Test Data

Report No.:	18220WC40088001	Test Sample No.:	1-2-2
Start Test Date:	2024.05.06	Finish Test Date:	2024.05.08
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25.5°C	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	2403	2.070	2401.975	2404.045	---	---
2.4G	Ant1	2441	2.075	2439.970	2442.045	---	---
2.4G	Ant1	2479	2.080	2477.965	2480.045	---	---

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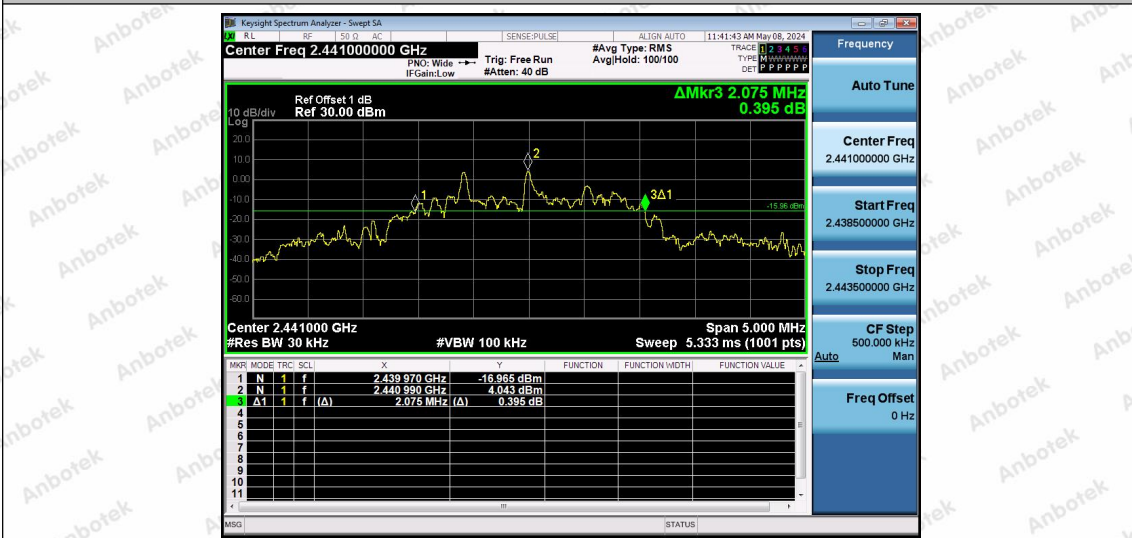
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## Test Graphs



2.4G-Ant1-2403



2.4G-Ant1-2441



2.4G-Ant1-2479

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## Appendix B: 99% Occupied Bandwidth

### Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.2097	2401.8535	2404.0632	---	---
2.4G	Ant1	2441	2.3372	2439.7784	2442.1156	---	---
2.4G	Ant1	2479	2.2436	2477.8331	2480.0767	---	---

### Test Graphs



2.4G-Ant1-2403



2.4G-Ant1-2441

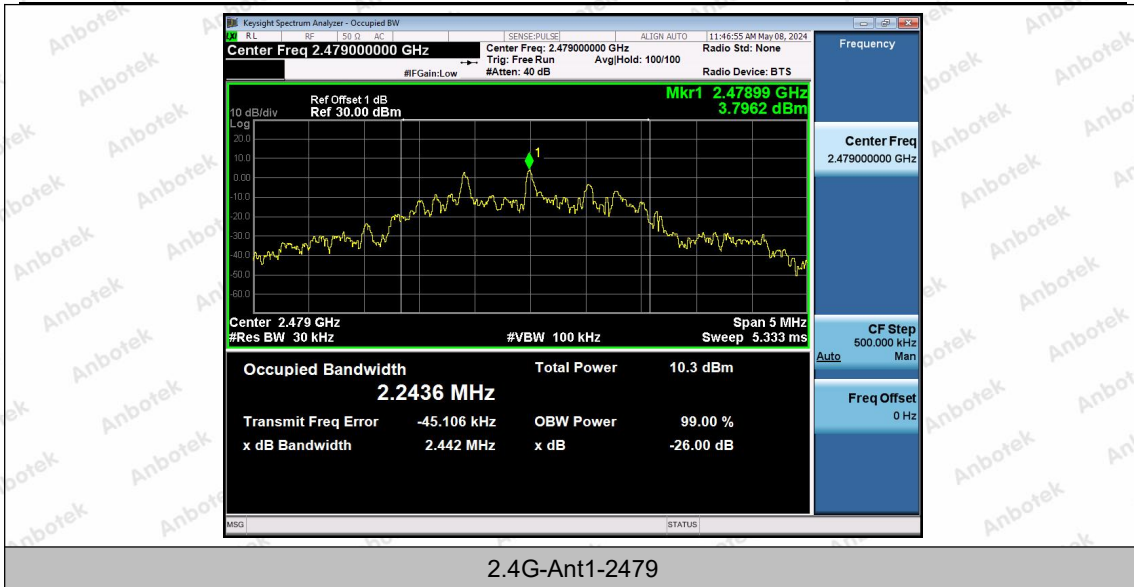
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2.4G-Ant1-2479

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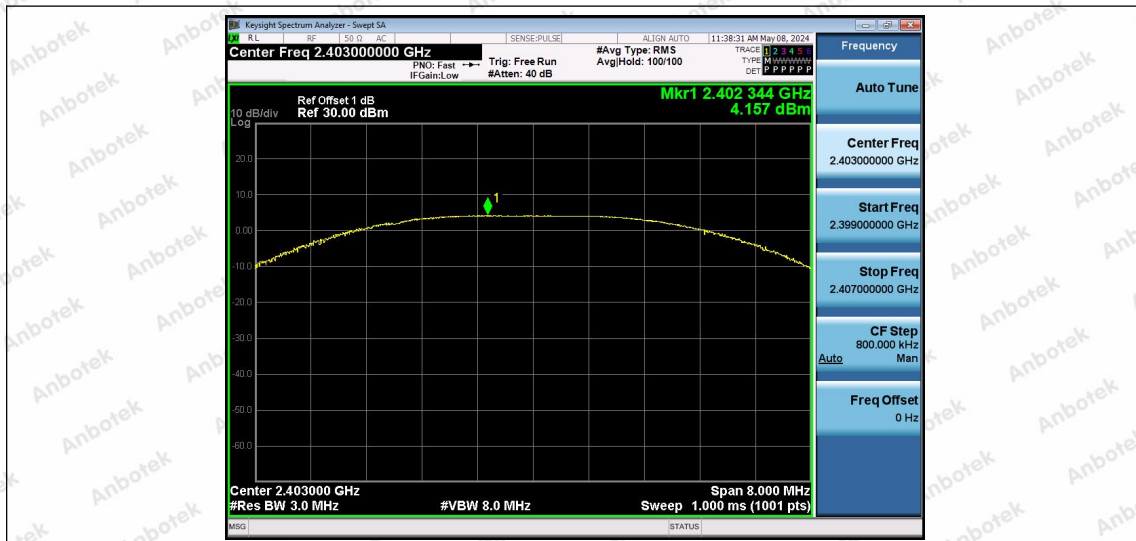


## Appendix C: Maximum Conducted Output Power

### Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	4.16	≤20.97	PASS
2.4G	Ant1	2441	4.16	≤20.97	PASS
2.4G	Ant1	2479	4.04	≤20.97	PASS

### Test Graphs



2.4G-Ant1-2403-PASS



2.4G-Ant1-2441-PASS





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## Appendix D: Carrier frequency separation

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.00	≥1.383	PASS

### Test Graphs



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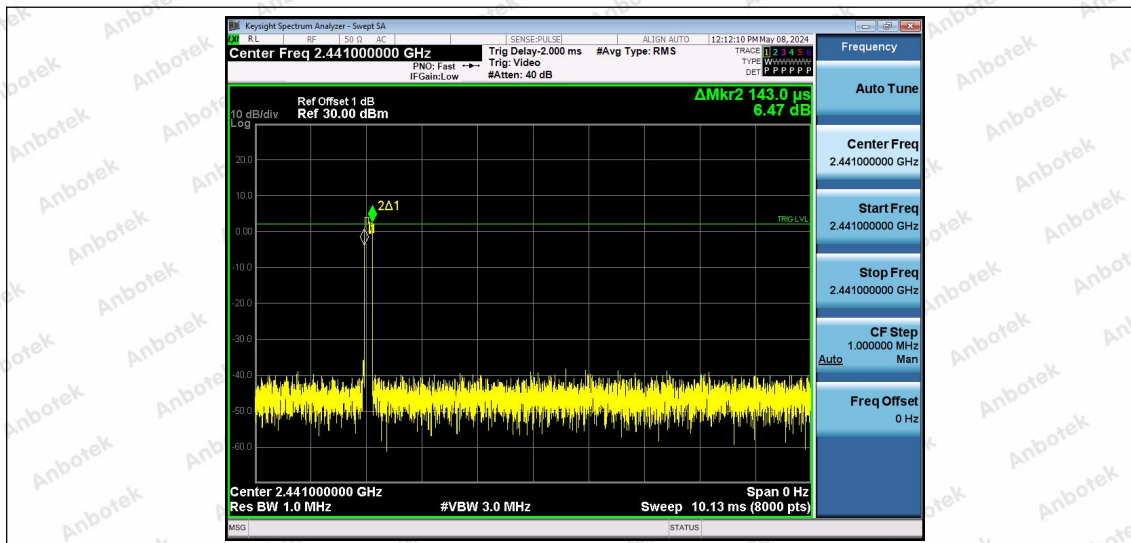


## Appendix E: Dwell Time

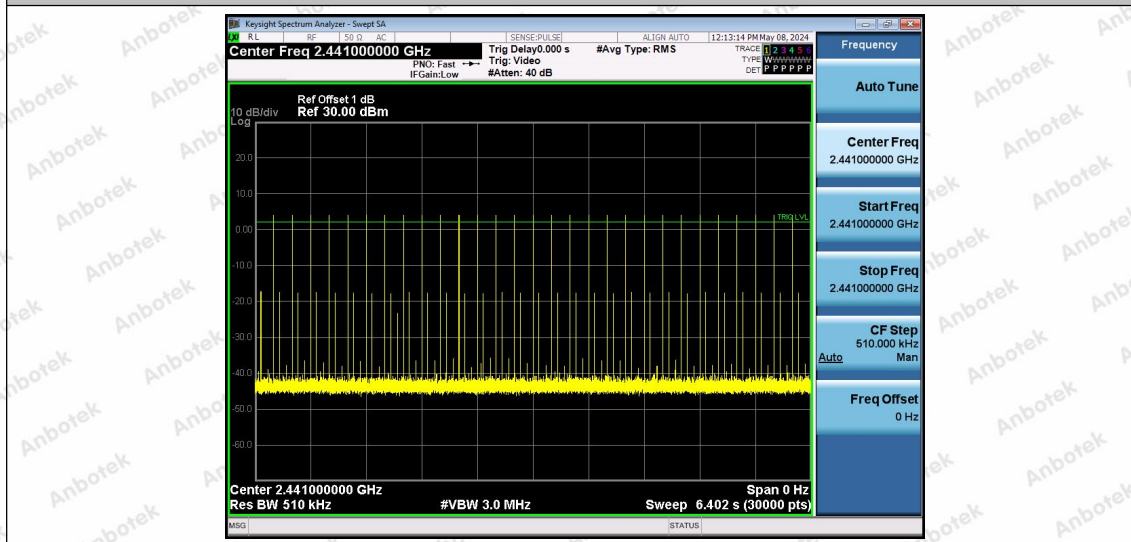
### Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.143	30	0.004	≤0.4	PASS

### Test Graphs



2.4G-Ant1-Hop-PASS



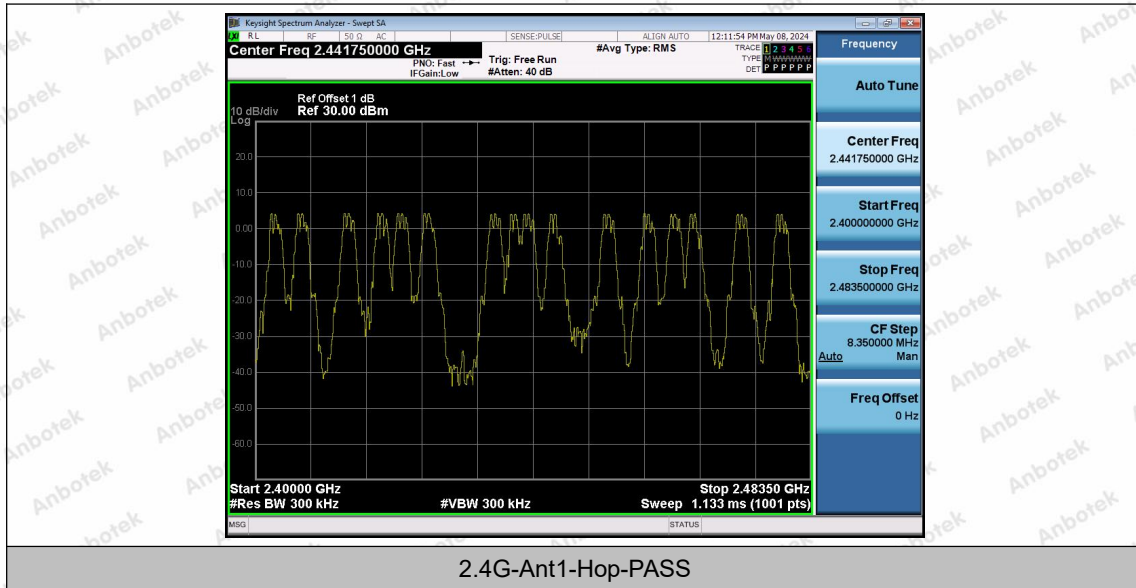


## Appendix F: Number of Hopping Channel

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
2.4G	Ant1	Hop	16	≥15	PASS

### Test Graphs

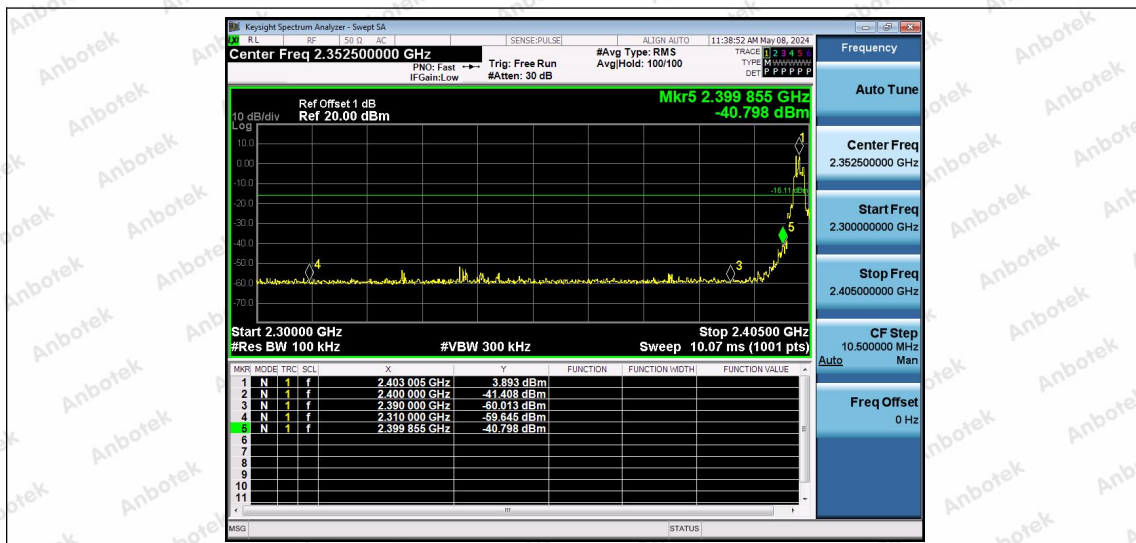


## Appendix G: Conducted Band edge

### Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	3.89	-40.8	≤-16.11	PASS
2.4G	Ant1	High	2479	3.80	-47.31	≤-16.2	PASS
2.4G	Ant1	Low	Hop_2403	4.06	-41.46	≤-15.94	PASS
2.4G	Ant1	High	Hop_2479	3.96	-45.55	≤-16.04	PASS

### Test Graphs



2.4G-Ant1-2403-PASS



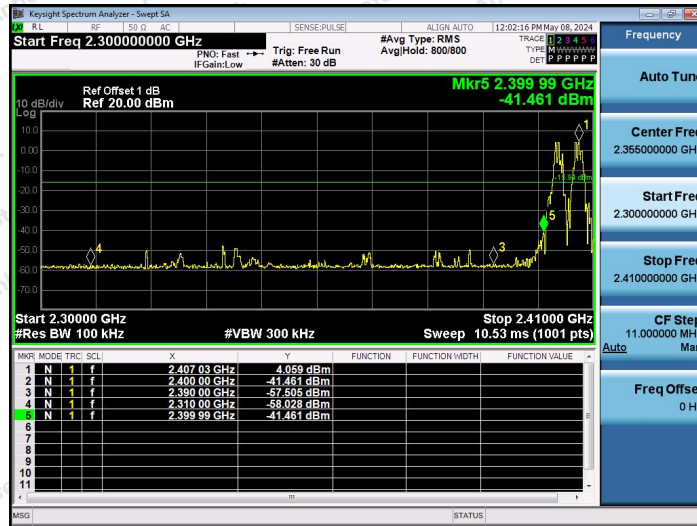
2.4G-Ant1-2479-PASS

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2.4G-Ant1-Hop\_2403-PASS



2.4G-Ant1-Hop\_2479-PASS

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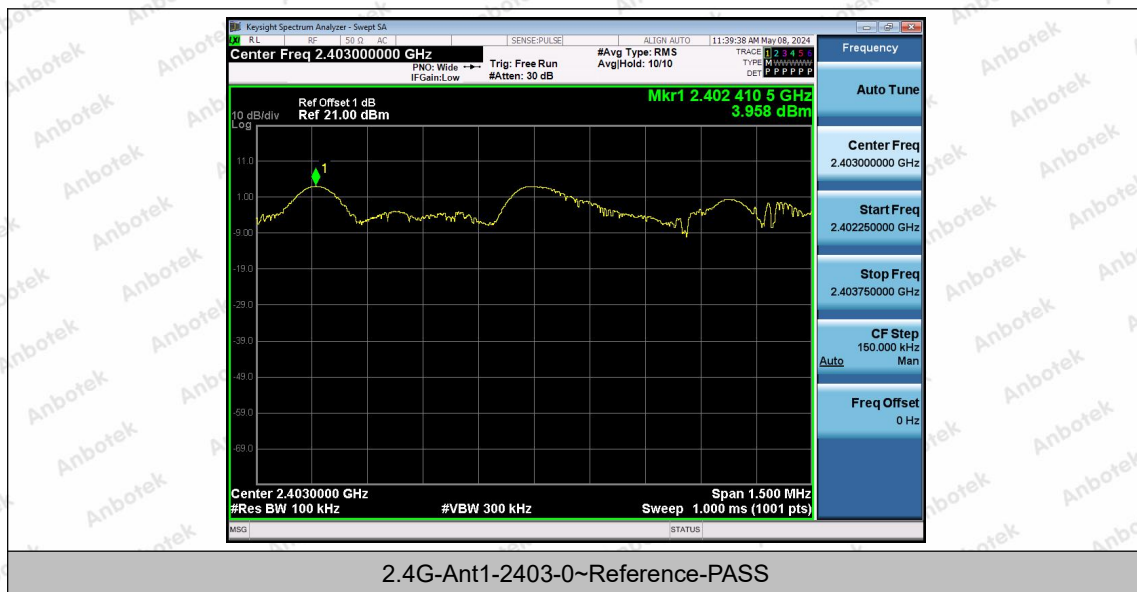


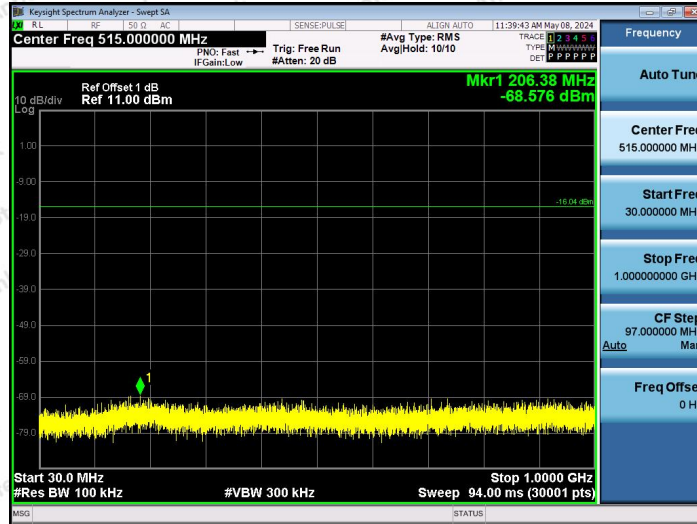
## Appendix H: Conducted Spurious Emission

### Test Result

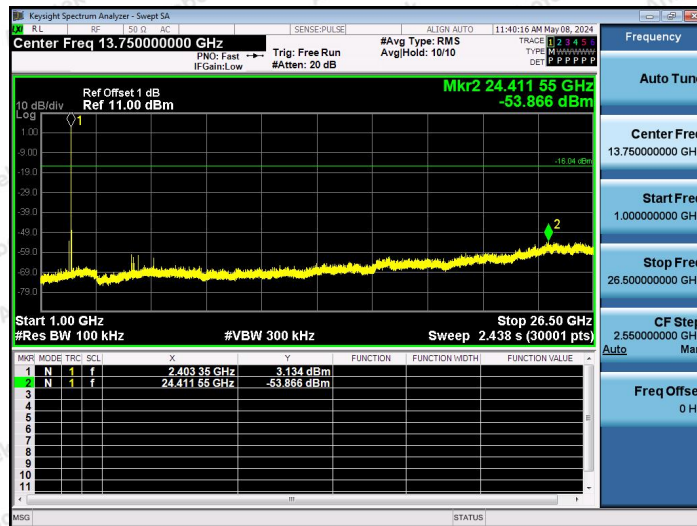
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	0~Reference	3.96	3.96	---	PASS
2.4G	Ant1	2403	30~1000	3.96	-68.58	≤-16.04	PASS
2.4G	Ant1	2403	1000~26500	3.96	-53.87	≤-16.04	PASS
2.4G	Ant1	2441	0~Reference	3.95	3.95	---	PASS
2.4G	Ant1	2441	30~1000	3.95	-68.43	≤-16.05	PASS
2.4G	Ant1	2441	1000~26500	3.95	-45.71	≤-16.05	PASS
2.4G	Ant1	2479	0~Reference	3.83	3.83	---	PASS
2.4G	Ant1	2479	30~1000	3.83	-67.38	≤-16.17	PASS
2.4G	Ant1	2479	1000~26500	3.83	-22.59	≤-16.17	PASS

### Test Graphs





2.4G-Ant1-2403-30~1000-PASS



2.4G-Ant1-2403-1000~26500-PASS



2.4G-Ant1-2441-0~Reference-PASS

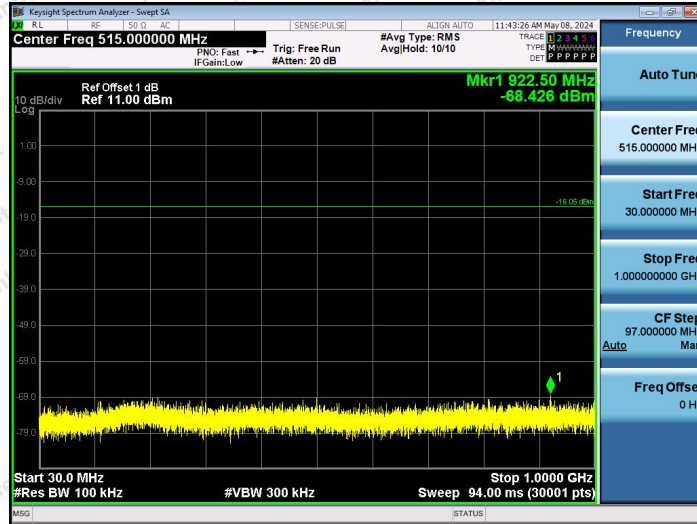
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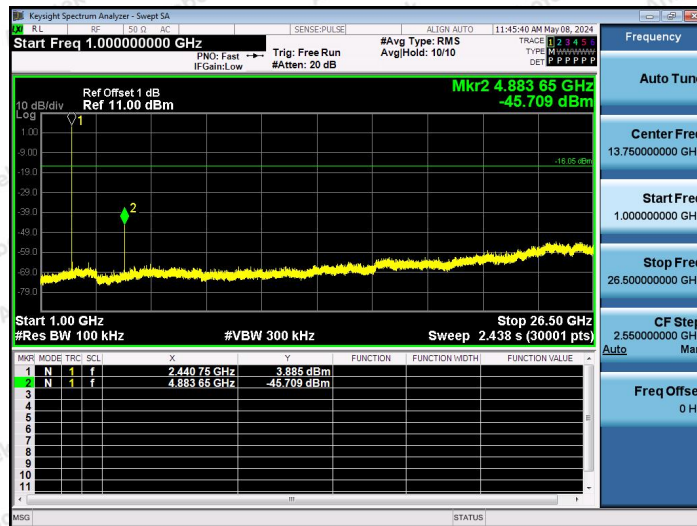
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2.4G-Ant1-2441-30~1000-PASS



2.4G-Ant1-2441-1000~26500-PASS



2.4G-Ant1-2479-0~Reference-PASS

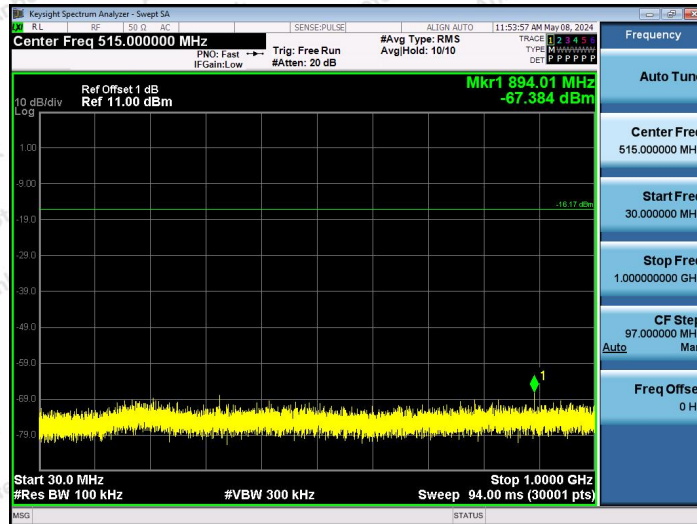
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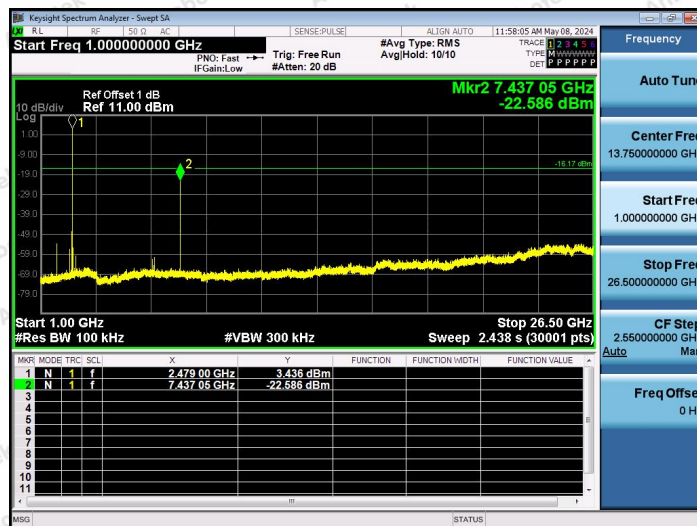
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2.4G-Ant1-2479-30~1000-PASS



2.4G-Ant1-2479-1000~26500-PASS

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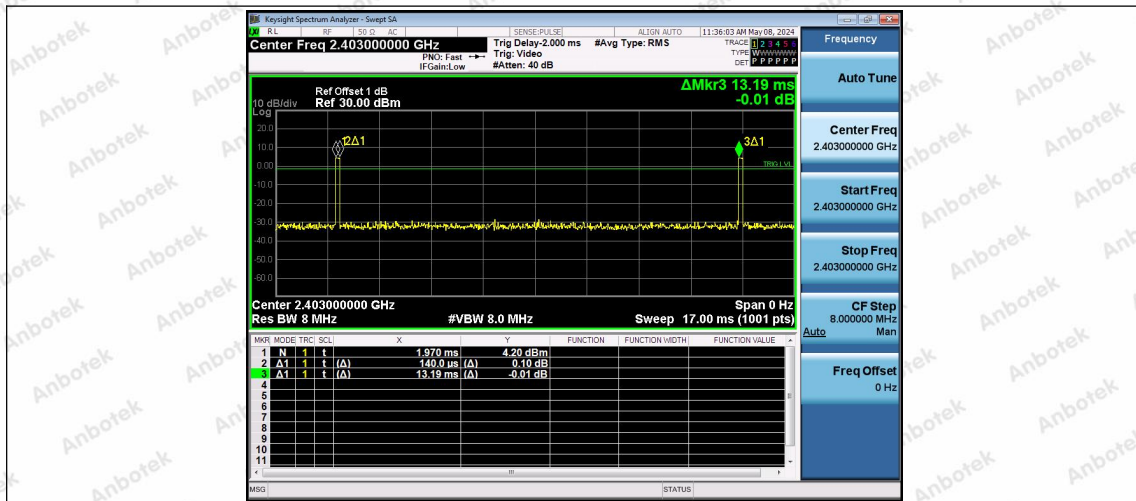


## Appendix I: Duty Cycle

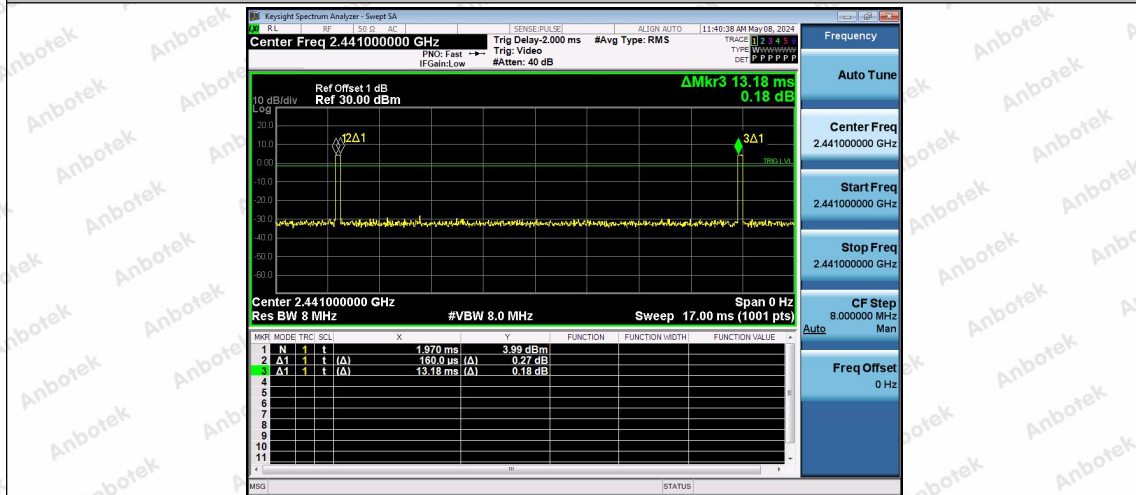
### Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2403	0.14	13.19	1.06	19.75
2.4G	Ant1	2441	0.16	13.18	1.21	19.17
2.4G	Ant1	2479	0.16	13.19	1.21	19.17

### Test Graphs



NTNV-2.4G-Ant1-2403



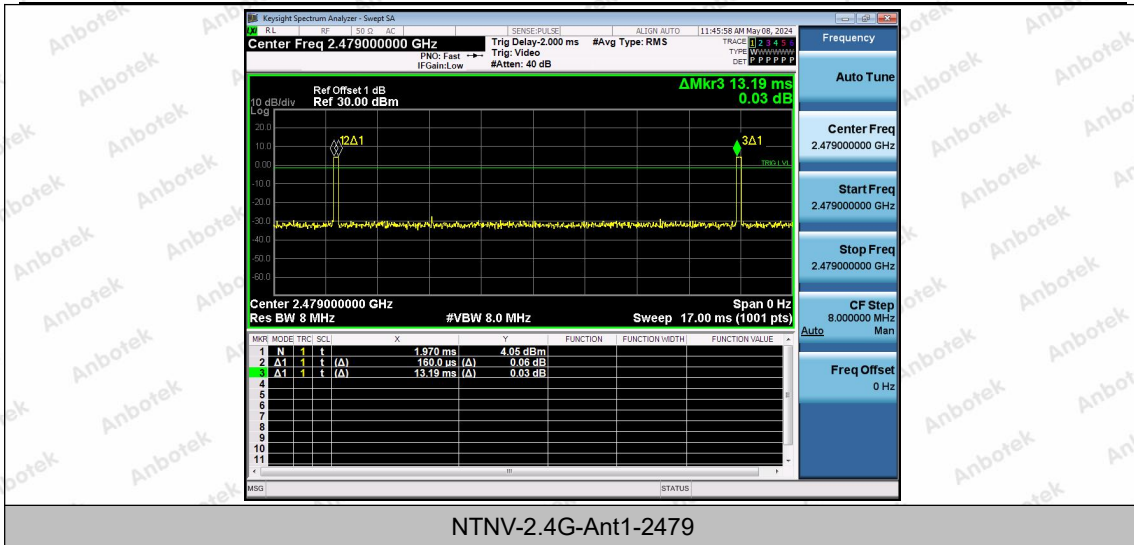
NTNV-2.4G-Ant1-2441

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