

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 Huang     | Auditor:           | Justin Feng |
| Temperature:     | 25.5℃           | Relative Humidity: | 47%         |
| Pressure:        | 101kPa          |                    |             |

Appendix A: 20dB Bandwidth

Test Result

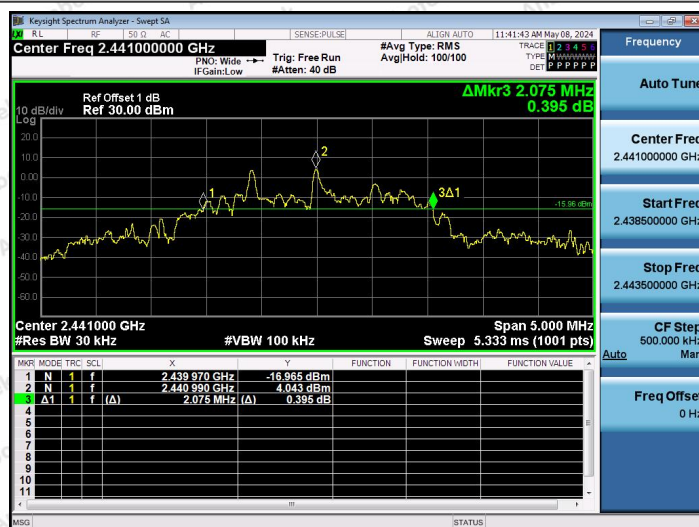
| TestMode | Antenna | Frequency[MHz] | 20db<br>EBW[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|----------------|------------------|----------|----------|------------|---------|
| 2.4G     | Ant1    | 2403           | 2.070            | 2401.975 | 2404.045 | ---        | ---     |
| 2.4G     | Ant1    | 2441           | 2.075            | 2439.970 | 2442.045 | ---        | ---     |
| 2.4G     | Ant1    | 2479           | 2.080            | 2477.965 | 2480.045 | ---        | ---     |



## Test Graphs



2.4G-Ant1-2403



2.4G-Ant1-2441



2.4G-Ant1-2479

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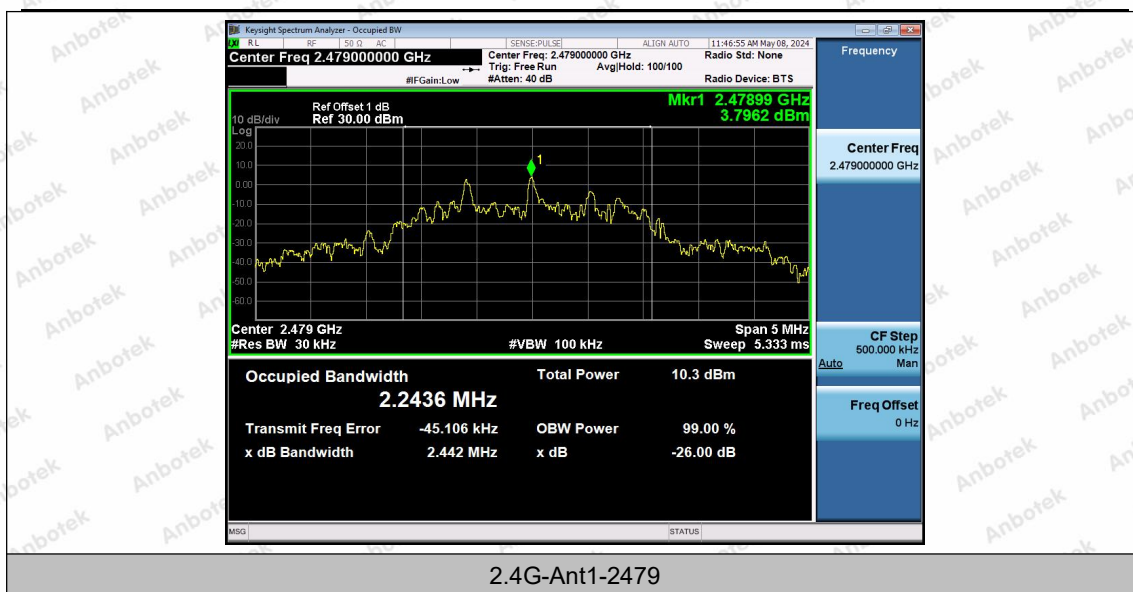
## Appendix B: 99% Occupied Bandwidth

### 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



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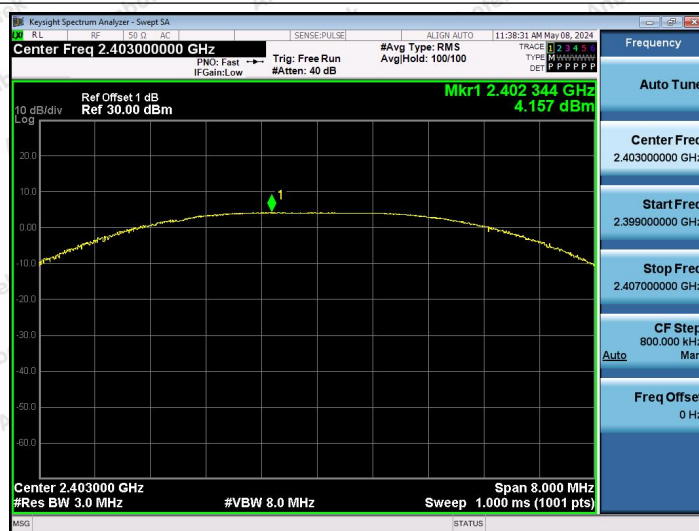


## Appendix C: Maximum Conducted Output Power

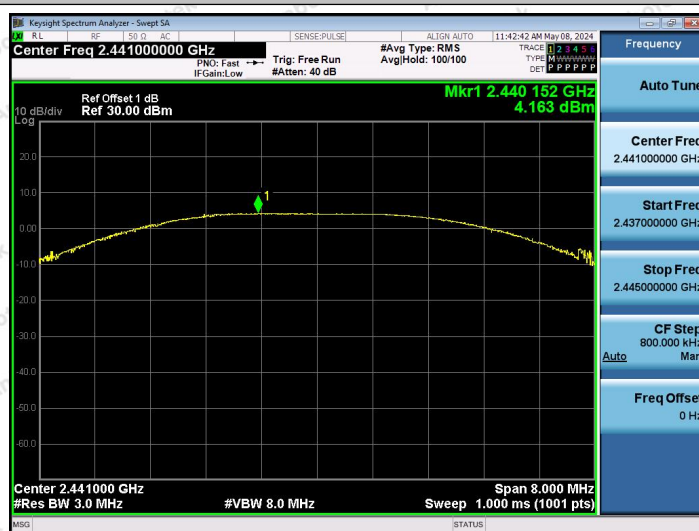
### Test Result Peak

| 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

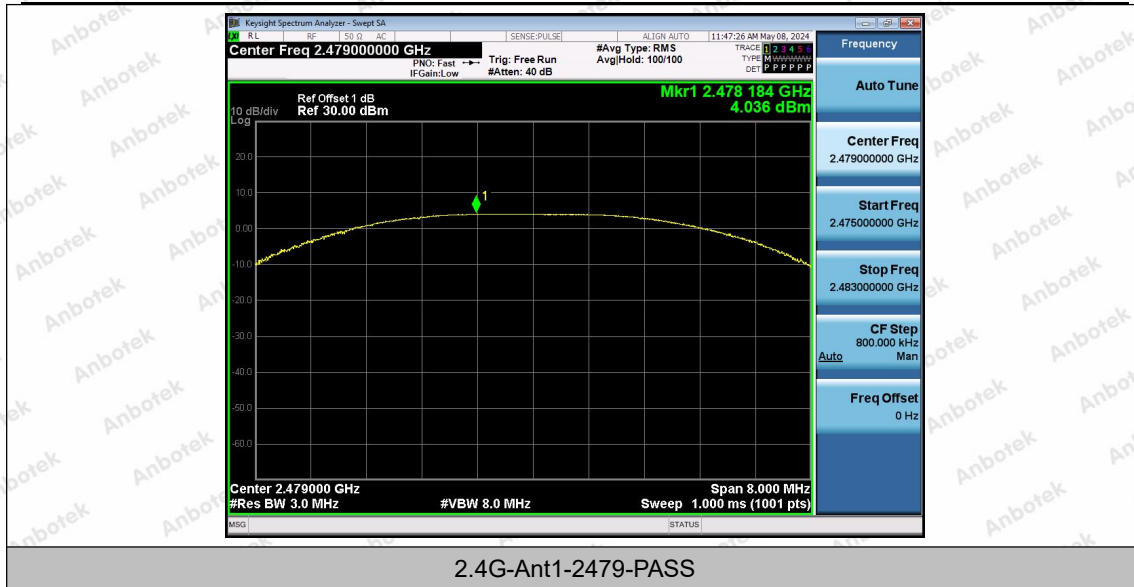


2.4G-Ant1-2403-PASS



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

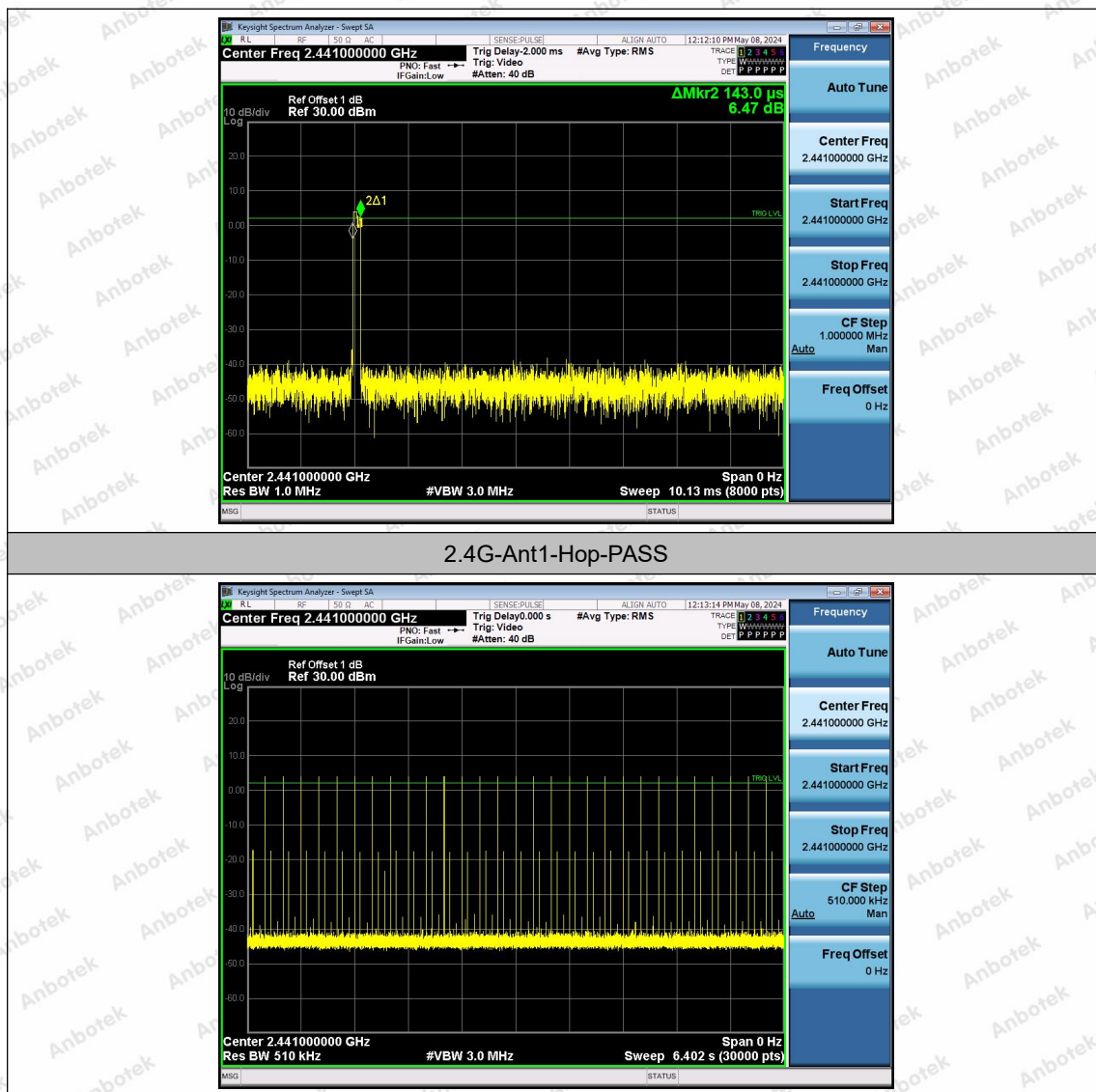


## Appendix E: Dwell Time

### Test Result

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

### Test Graphs



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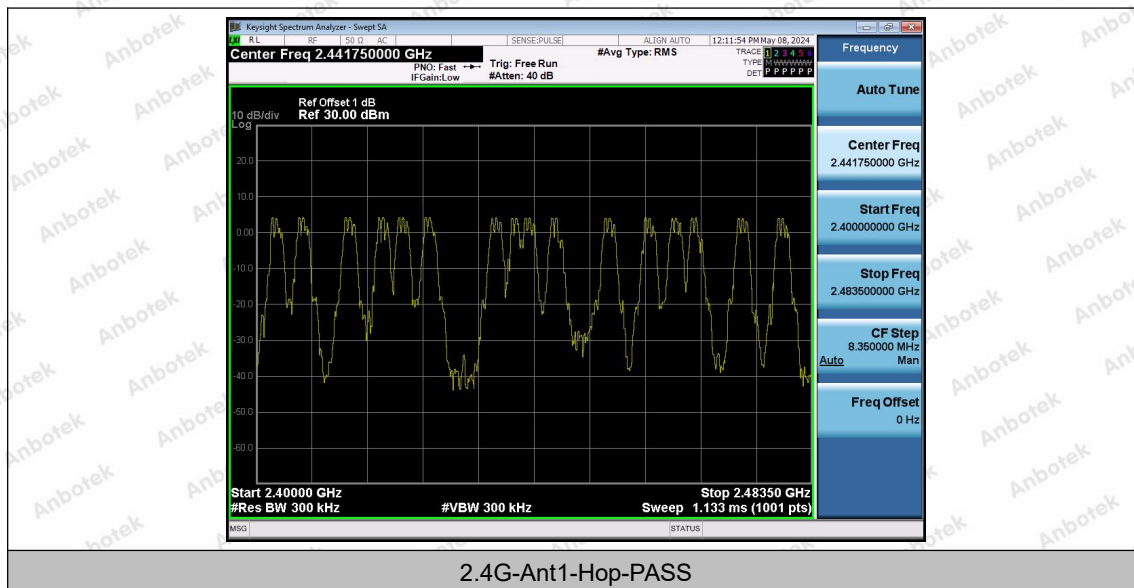


## Appendix F: Number of Hopping Channel

### Test Result

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

### Test Graphs

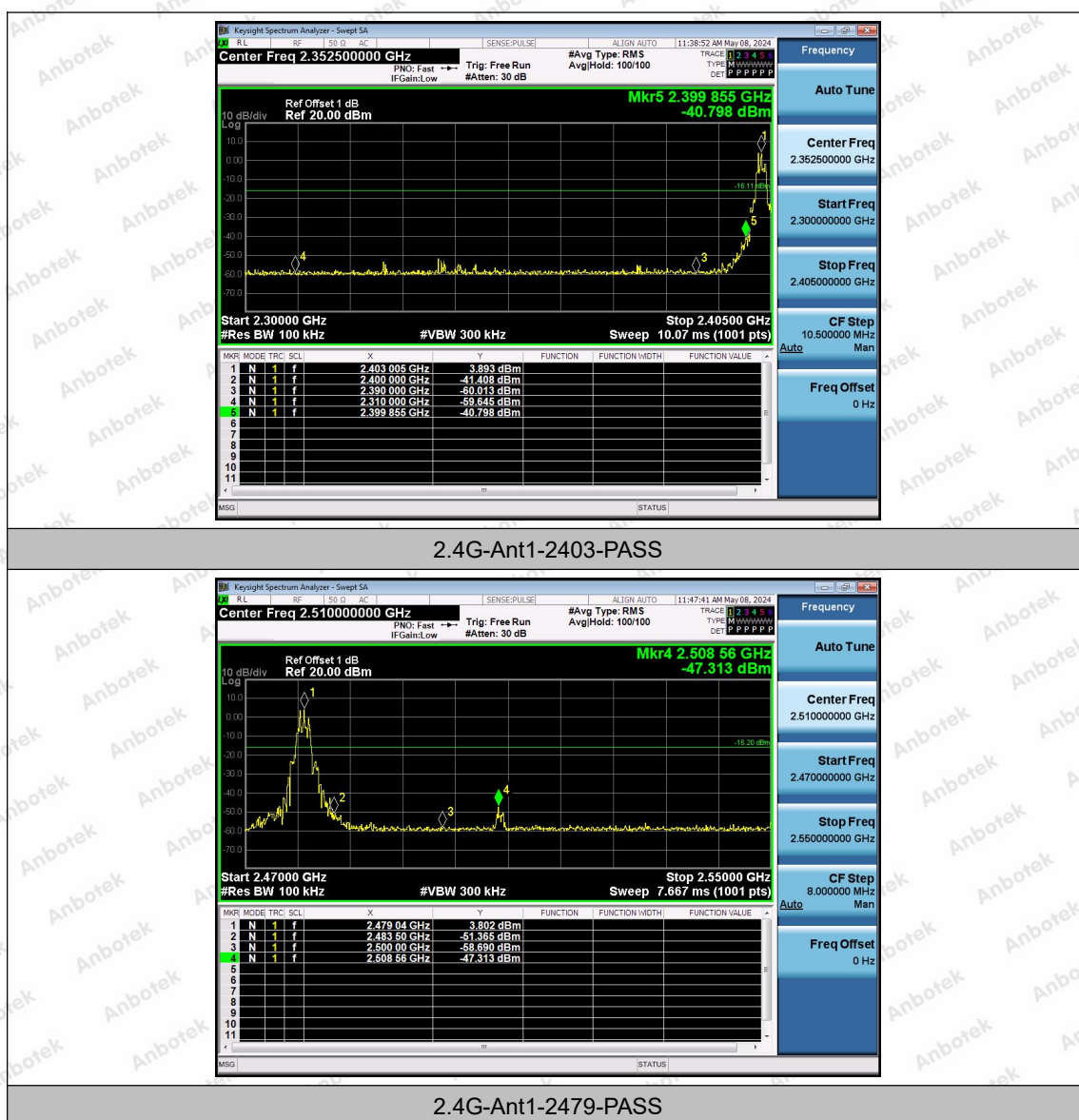


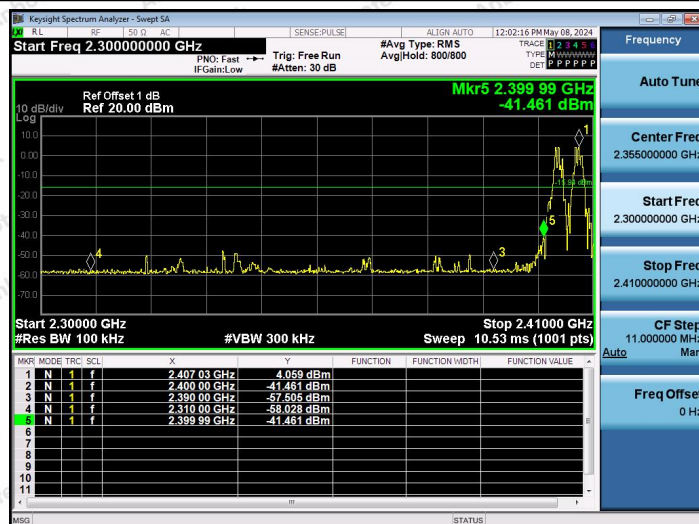
## Appendix G: Conducted Band edge

### 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-Hop\_2403-PASS



2.4G-Ant1-Hop\_2479-PASS

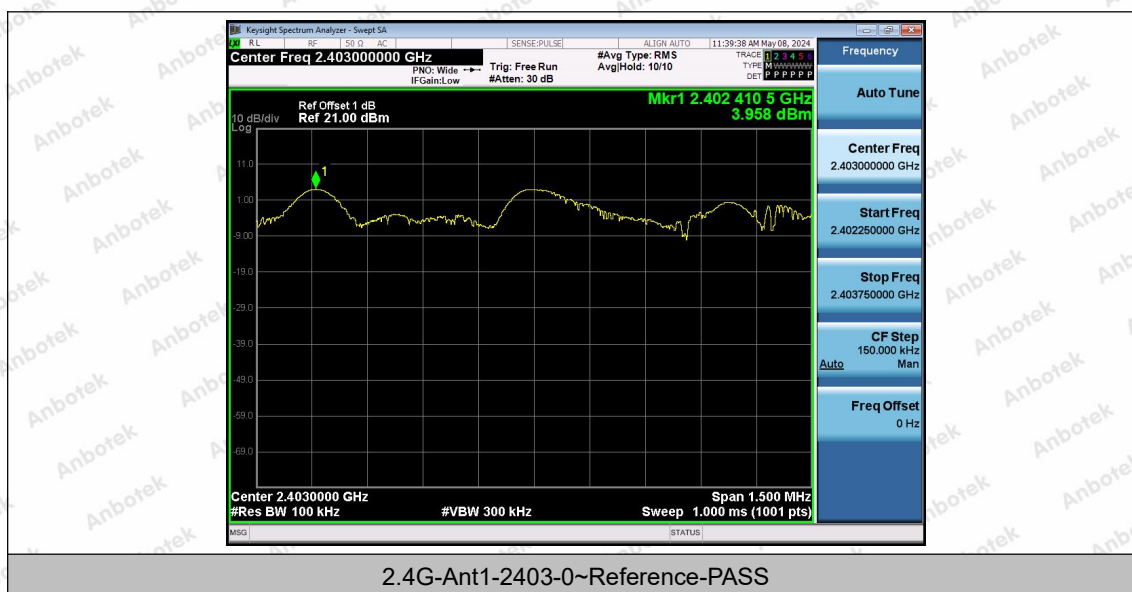


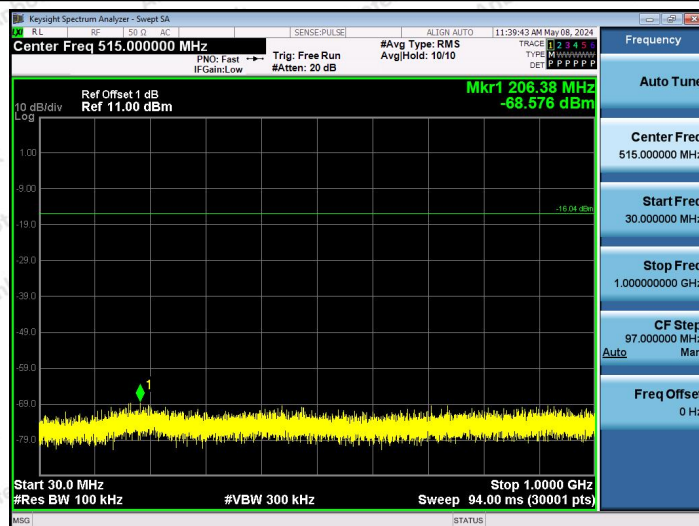
## Appendix H: Conducted Spurious Emission

### Test Result

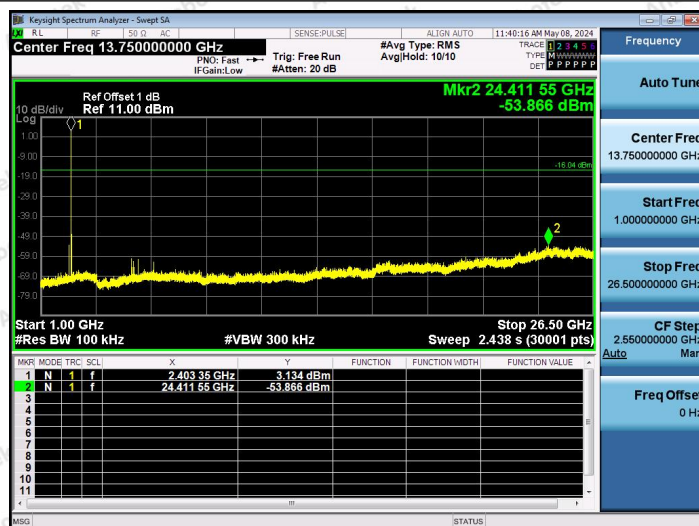
| TestMode | Antenna | Frequency[MHz] | FreqRange [MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|----------------|-----------------|----------------|--------------|-------------|---------|
| 2.4G     | Ant1    | 2403           | 0~Reference     | 3.96           | 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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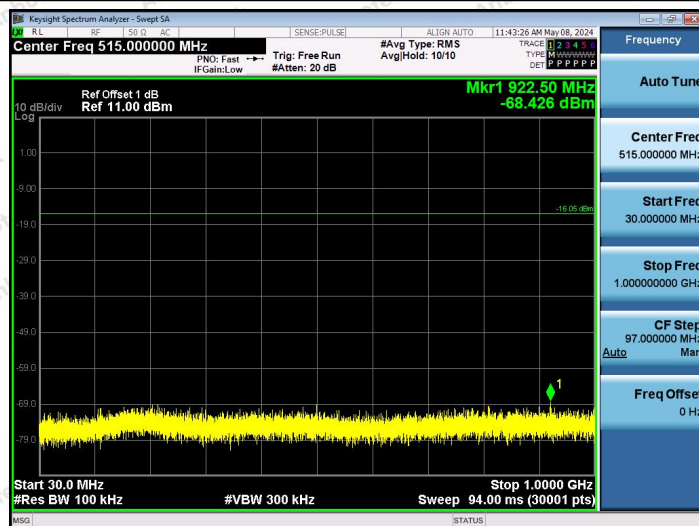
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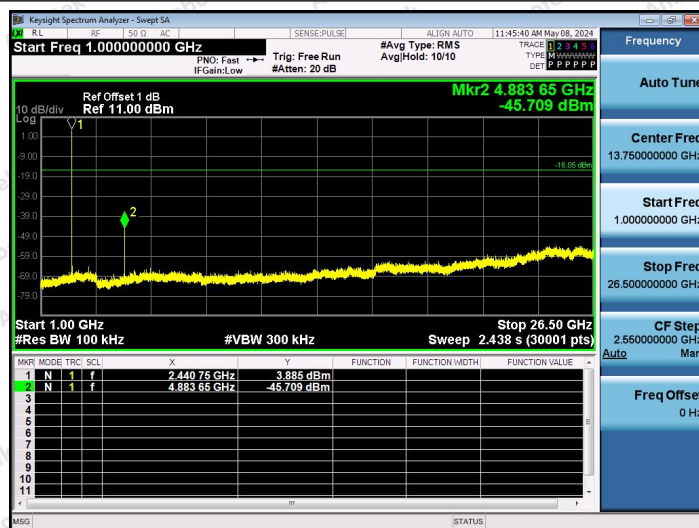
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2.4G-Ant1-2441-30~1000-PASS



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



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

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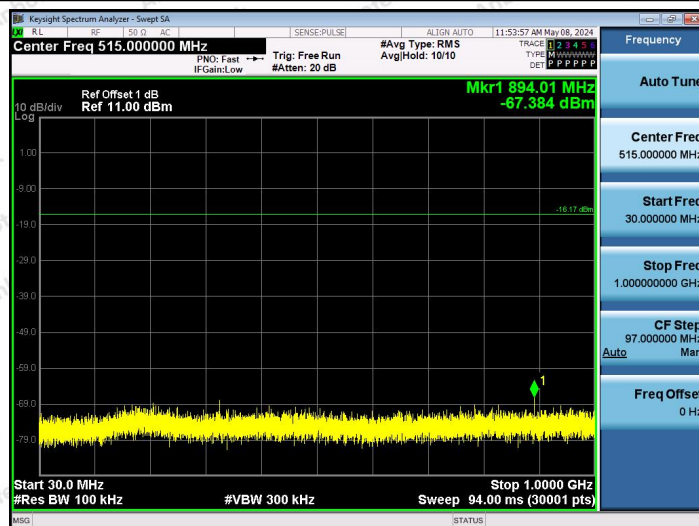


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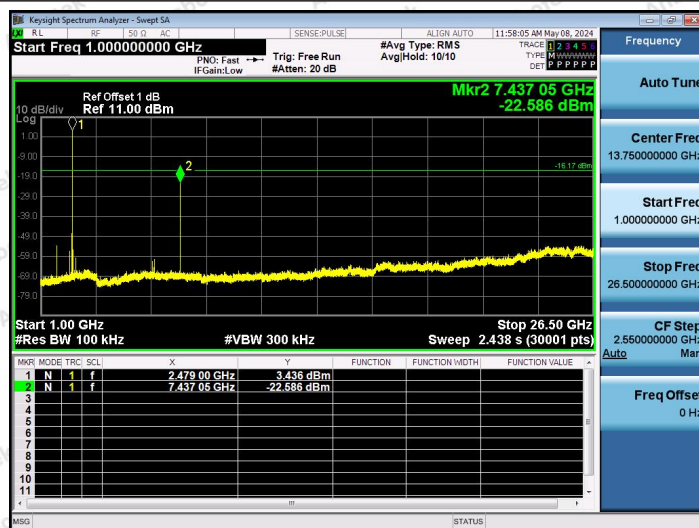
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2.4G-Ant1-2479-30~1000-PASS



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

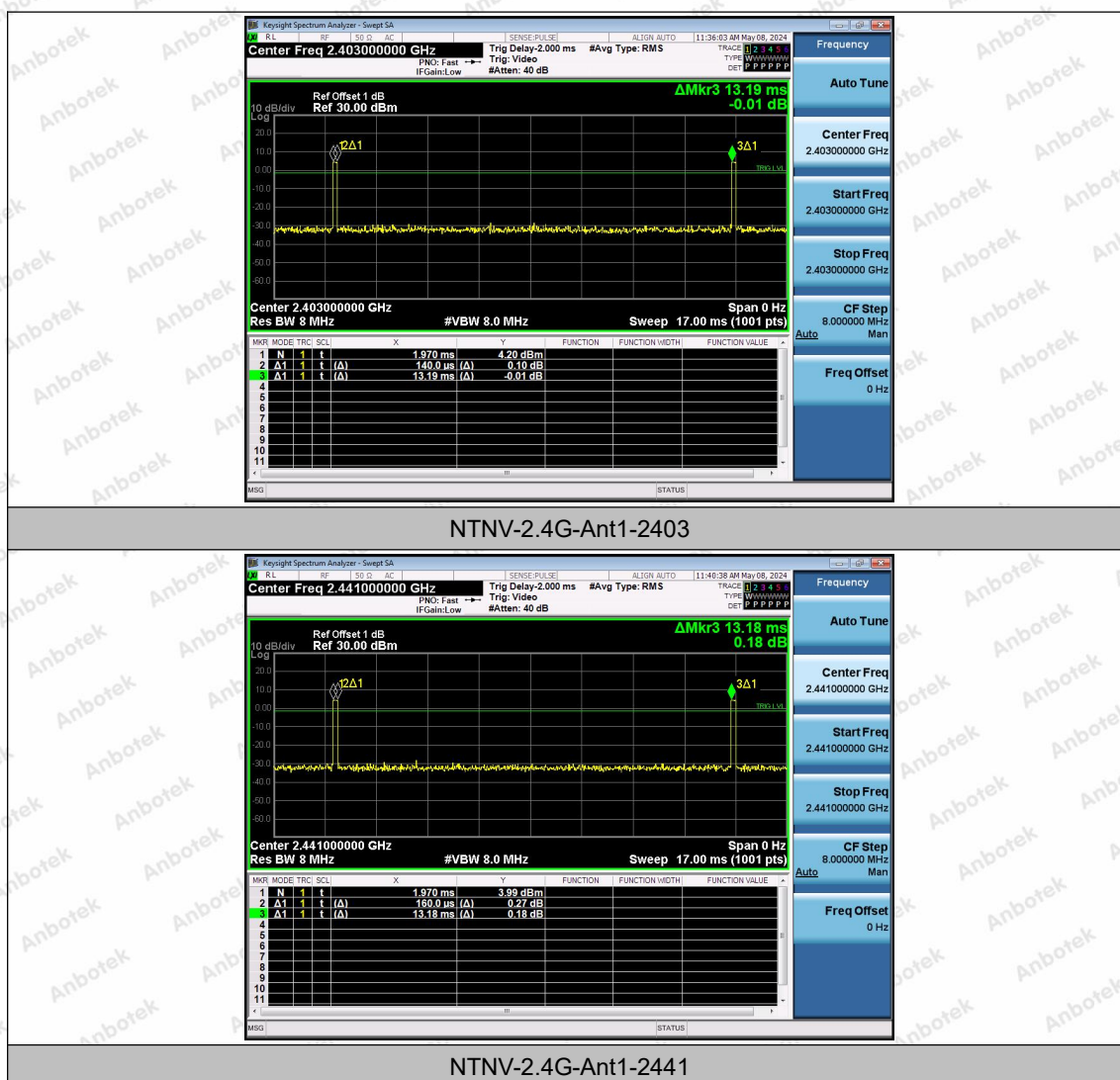


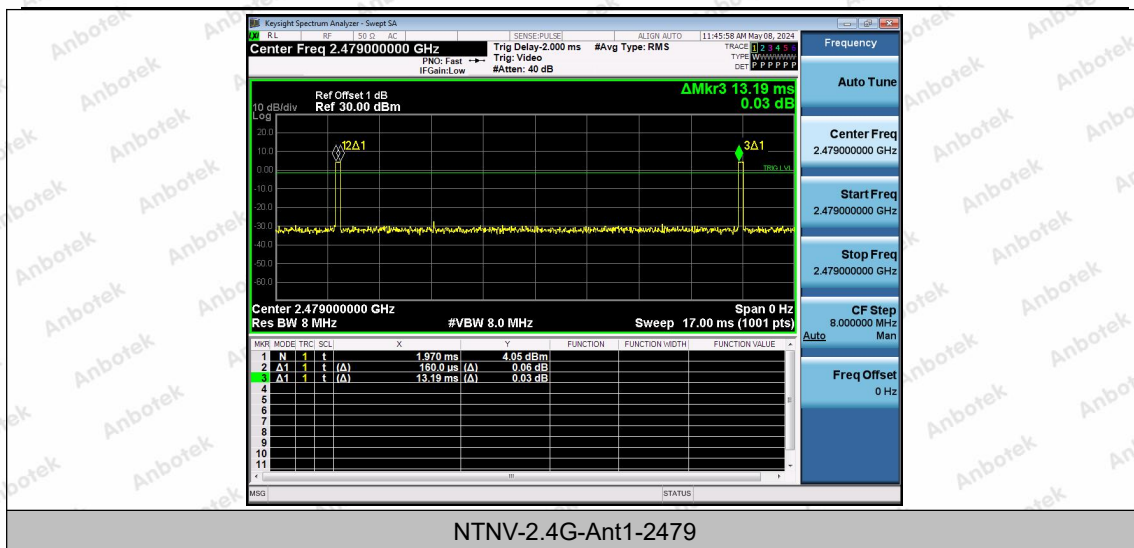
## Appendix I: Duty Cycle

### Test Result

| TestMode | Antenna | Frequency[MHz] | ON Time<br>[ms] | Period<br>[ms] | Duty Cycle<br>[%] | Duty Cycle<br>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





---End---

