

Appendix Test Data

|                  |                 |                    |             |
|------------------|-----------------|--------------------|-------------|
| Report No.:      | 18220WC40091901 | Test Sample No.:   | 1-2-2       |
| Start Test Date: | 2024.05.07      | Finish Test Date:  | 2024.05.13  |
| 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 |
|----------|---------|----------------|------------------|----------|----------|------------|---------|
| DH5      | Ant1    | 2402           | 1.035            | 2401.529 | 2402.564 | ---        | ---     |
| DH5      | Ant1    | 2441           | 0.993            | 2440.529 | 2441.522 | ---        | ---     |
| DH5      | Ant1    | 2480           | 0.951            | 2479.538 | 2480.489 | ---        | ---     |



## Test Graphs



DH5-Ant1-2402



DH5-Ant1-2441



DH5-Ant1-2480

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## Appendix B: 99% Occupied Bandwidth

### Test Result

| TestMode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|----------|---------|----------------|-----------|-----------|-----------|------------|---------|
| DH5      | Ant1    | 2402           | 0.95883   | 2401.5464 | 2402.5053 | ---        | ---     |
| DH5      | Ant1    | 2441           | 0.89977   | 2440.5566 | 2441.4564 | ---        | ---     |
| DH5      | Ant1    | 2480           | 0.89087   | 2479.5602 | 2480.4511 | ---        | ---     |

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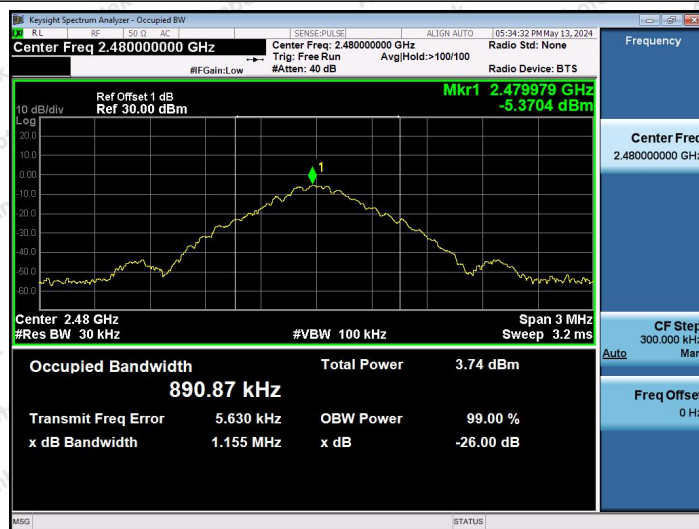
## Test Graphs



DH5-Ant1-2402



DH5-Ant1-2441



DH5-Ant1-2480

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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 |
|-----------|---------|----------------|---------------------------|----------------------|---------|
| DH5       | Ant1    | 2402           | -0.61                     | ≤20.97               | PASS    |
| DH5       | Ant1    | 2441           | -1.49                     | ≤20.97               | PASS    |
| DH5       | Ant1    | 2480           | -2.97                     | ≤20.97               | PASS    |



## Test Graphs



DH5-Ant1-2402-PASS



DH5-Ant1-2441-PASS



DH5-Ant1-2480-PASS

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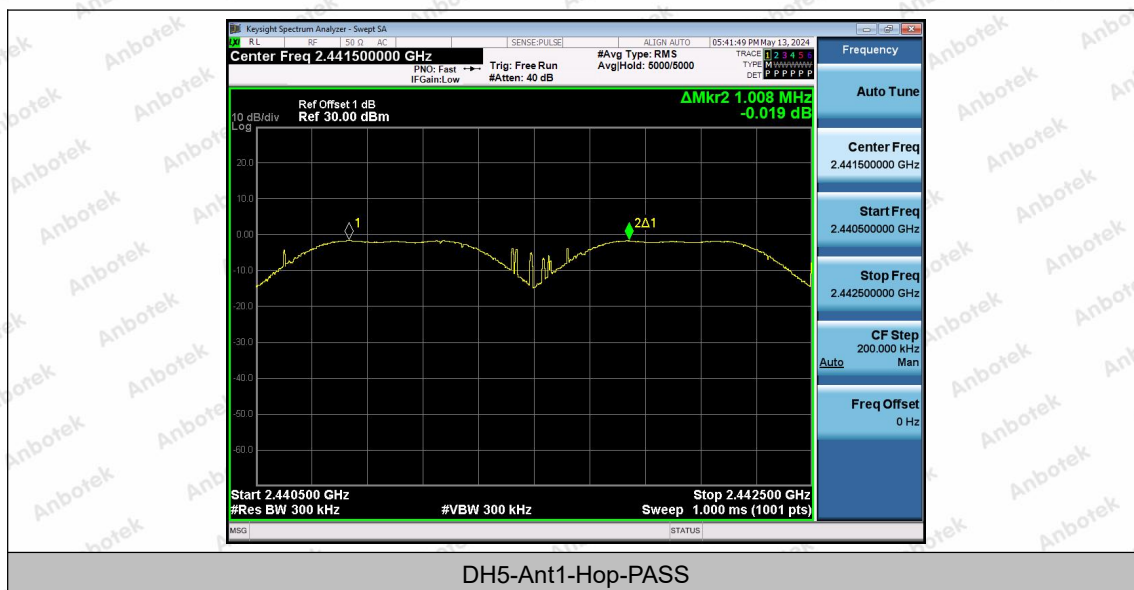


## Appendix D: Carrier frequency separation

### Test Result

| TestMode | Antenna | Frequency[MHz] | Result[MHz] | Limit[MHz] | Verdict |
|----------|---------|----------------|-------------|------------|---------|
| DH5      | Ant1    | Hop            | 1.008       | ≥0.690     | PASS    |

### Test Graphs



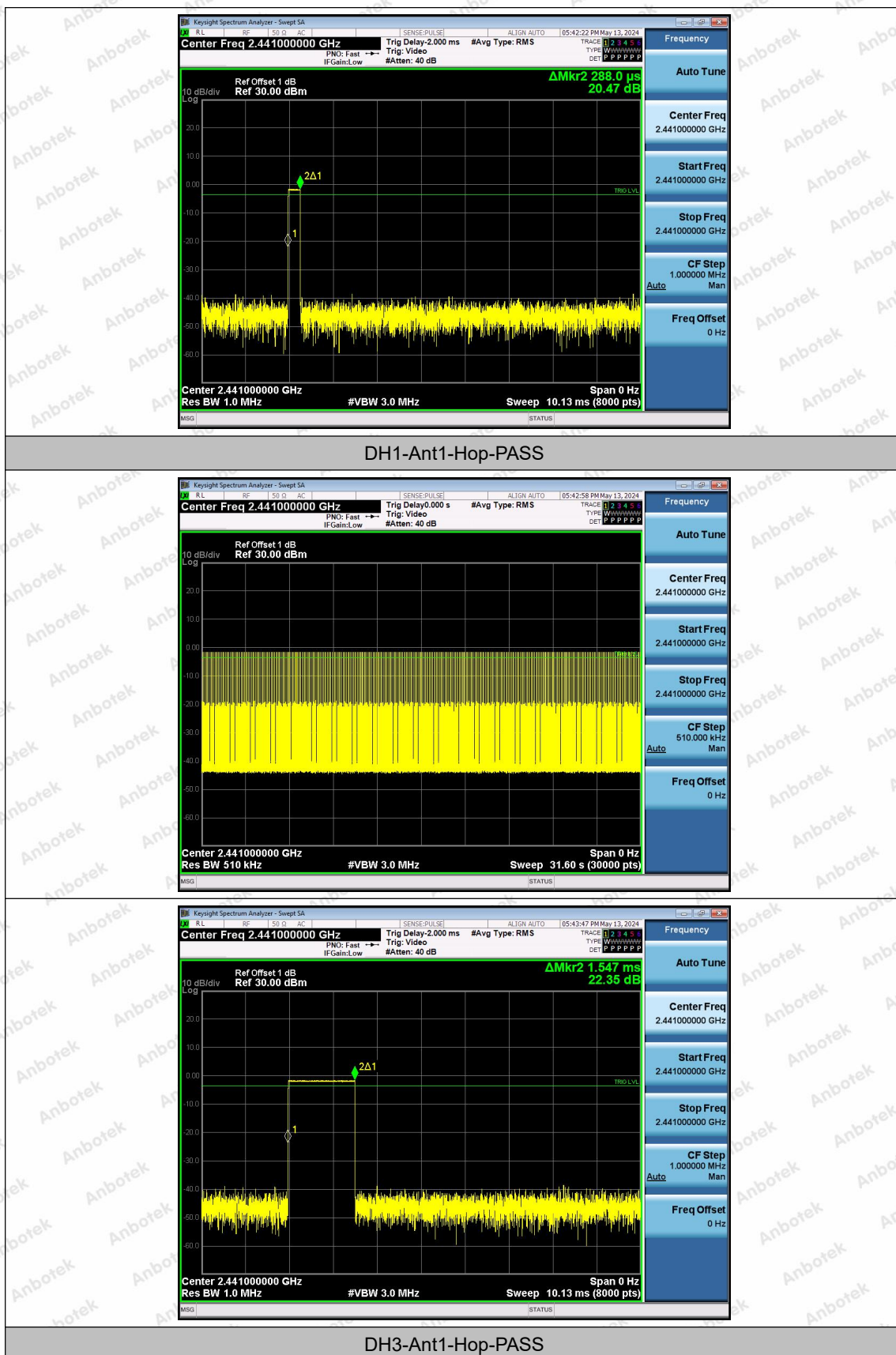
## Appendix E: Dwell Time

### Test Result

| TestMode | Antenna | Frequency[MHz] | BurstWidth<br>[ms] | TotalHops<br>[Num] | Result[s] | Limit[s] | Verdict |
|----------|---------|----------------|--------------------|--------------------|-----------|----------|---------|
| DH1      | Ant1    | Hop            | 0.288              | 366                | 0.105     | ≤0.4     | PASS    |
| DH3      | Ant1    | Hop            | 1.547              | 168                | 0.26      | ≤0.4     | PASS    |
| DH5      | Ant1    | Hop            | 2.787              | 111                | 0.309     | ≤0.4     | PASS    |



## Test Graphs



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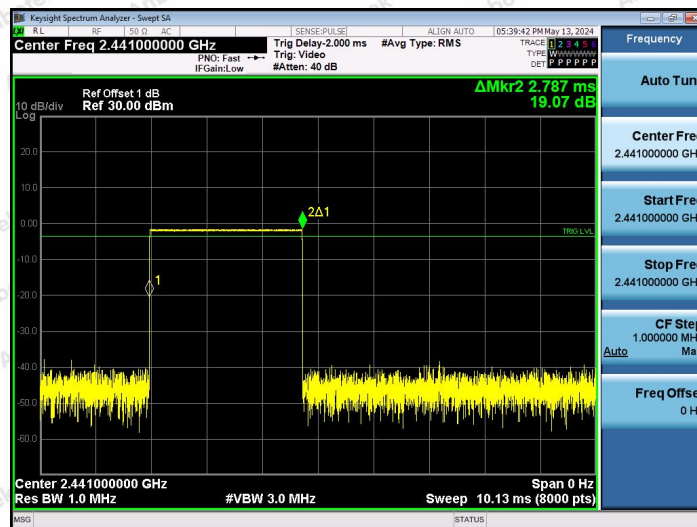
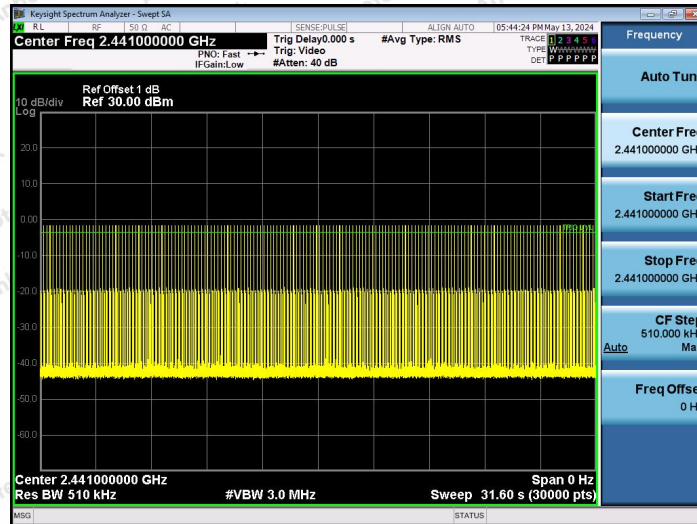


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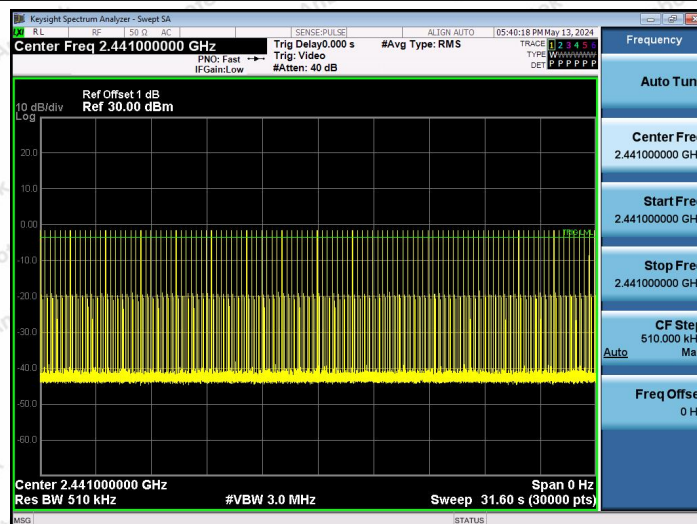
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## DH5-Ant1-Hop-PASS



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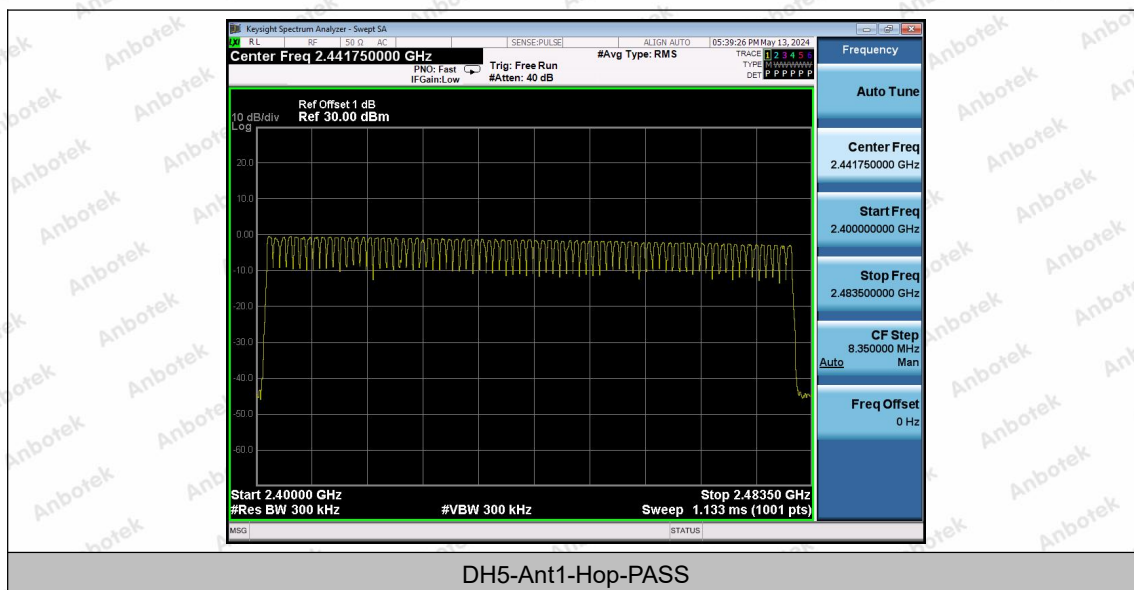


## Appendix F: Number of Hopping Channel

### Test Result

| TestMode | Antenna | Frequency[MHz] | Result[Num] | Limit[Num] | Verdict |
|----------|---------|----------------|-------------|------------|---------|
| DH5      | Ant1    | Hop            | 79          | ≥15        | PASS    |

### Test Graphs

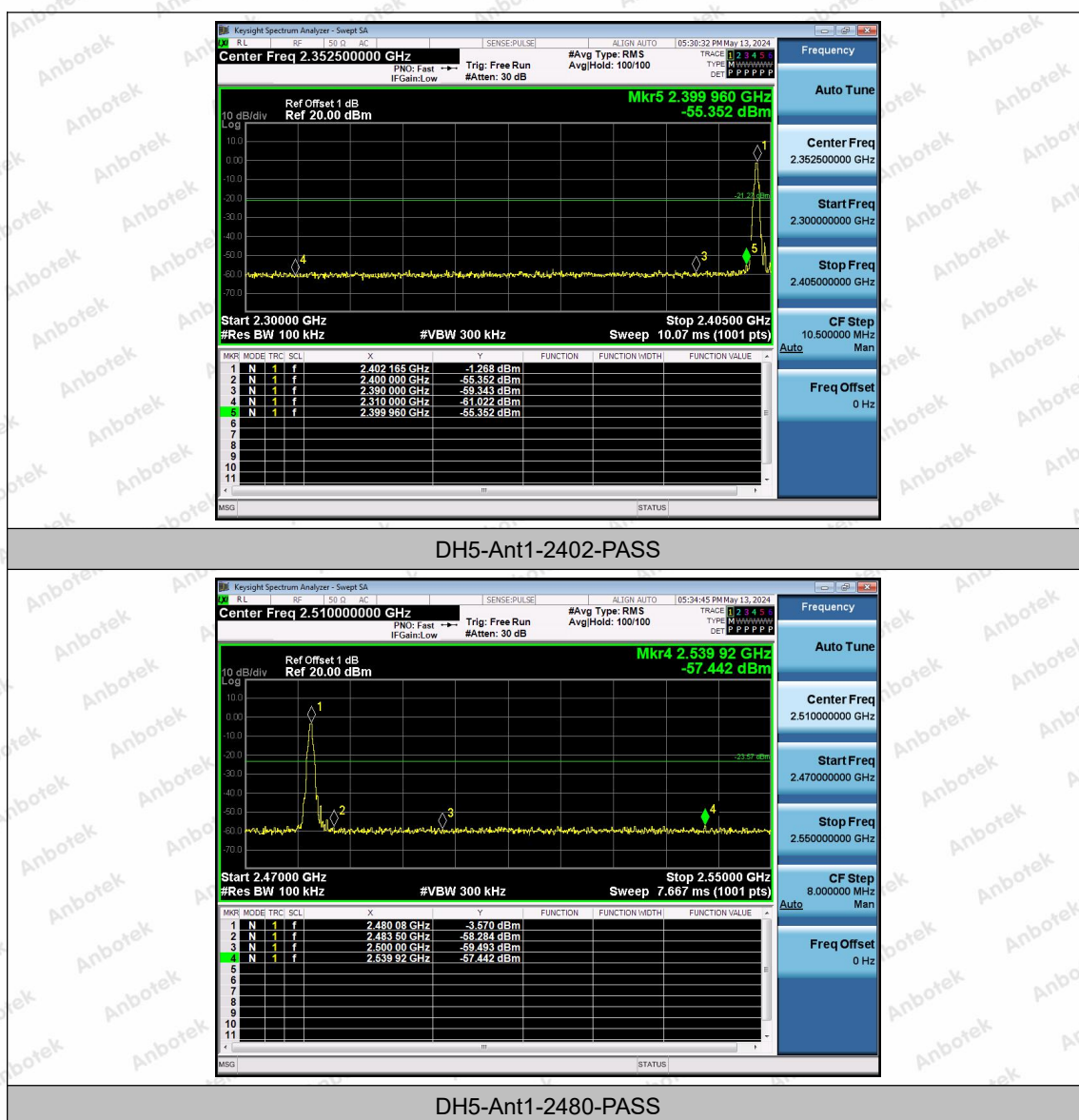


## Appendix G: Conducted Band edge

### Test Result

| TestMode | Antenna | ChName | Frequency[MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|--------|----------------|----------------|--------------|-------------|---------|
| DH5      | Ant1    | Low    | 2402           | -1.27          | -55.35       | ≤-21.27     | PASS    |
| DH5      | Ant1    | High   | 2480           | -3.57          | -57.44       | ≤-23.57     | PASS    |
| DH5      | Ant1    | Low    | Hop_2402       | -1.20          | -55.78       | ≤-21.2      | PASS    |
| DH5      | Ant1    | High   | Hop_2480       | -2.94          | -56.25       | ≤-22.94     | PASS    |

### Test Graphs



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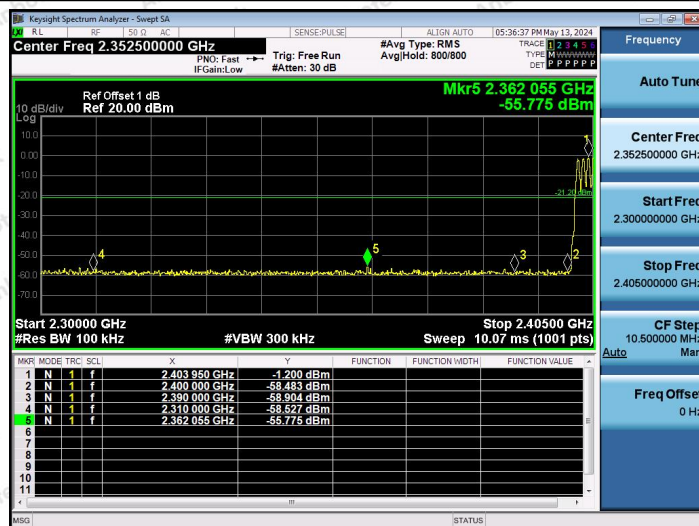


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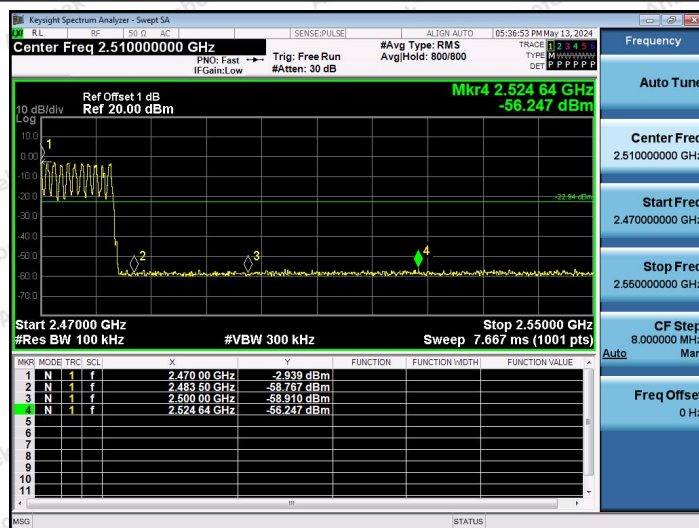
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DH5-Ant1-Hop\_2402-PASS



DH5-Ant1-Hop\_2480-PASS



## Appendix H: Conducted Spurious Emission

### Test Result

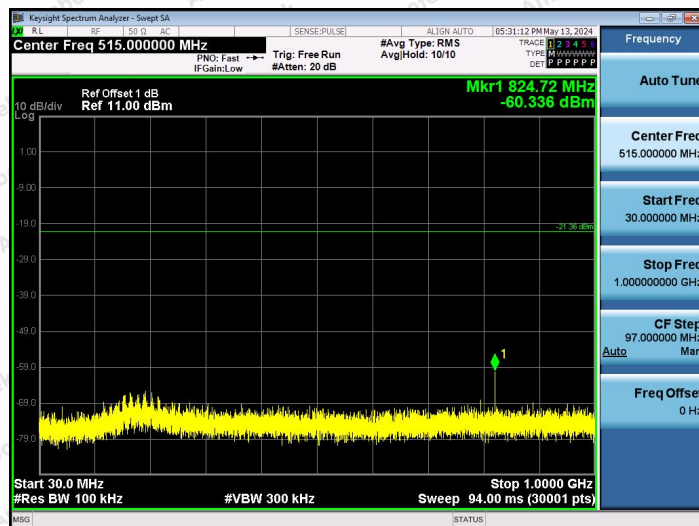
| TestMode | Antenna | Frequency[MHz] | FreqRange [MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|----------------|-----------------|----------------|--------------|-------------|---------|
| DH5      | Ant1    | 2402           | 0~Reference     | -1.36          | -1.36        | ---         | PASS    |
| DH5      | Ant1    | 2402           | 30~1000         | -1.36          | -60.34       | ≤-21.36     | PASS    |
| DH5      | Ant1    | 2402           | 1000~26500      | -1.36          | -52.98       | ≤-21.36     | PASS    |
| DH5      | Ant1    | 2441           | 0~Reference     | -2.30          | -2.30        | ---         | PASS    |
| DH5      | Ant1    | 2441           | 30~1000         | -2.30          | -65.58       | ≤-22.3      | PASS    |
| DH5      | Ant1    | 2441           | 1000~26500      | -2.30          | -53.49       | ≤-22.3      | PASS    |
| DH5      | Ant1    | 2480           | 0~Reference     | -3.77          | -3.77        | ---         | PASS    |
| DH5      | Ant1    | 2480           | 30~1000         | -3.77          | -65.75       | ≤-23.77     | PASS    |
| DH5      | Ant1    | 2480           | 1000~26500      | -3.77          | -54.01       | ≤-23.77     | PASS    |



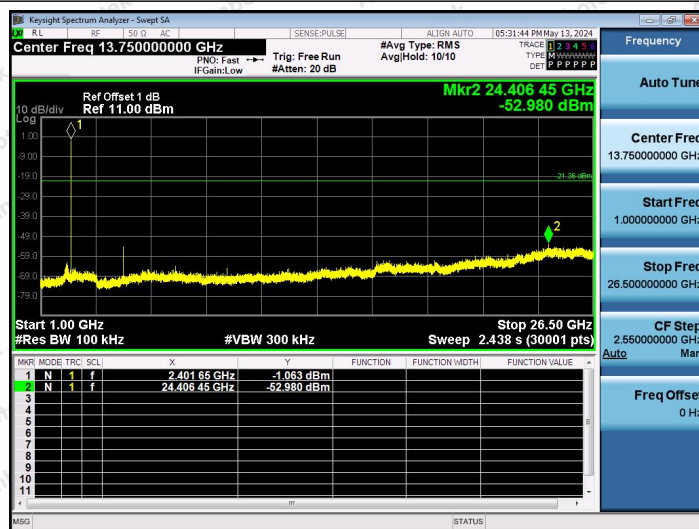
## Test Graphs



DH5-Ant1-2402-0~Reference-PASS



DH5-Ant1-2402-30~1000-PASS



DH5-Ant1-2402-1000~26500-PASS

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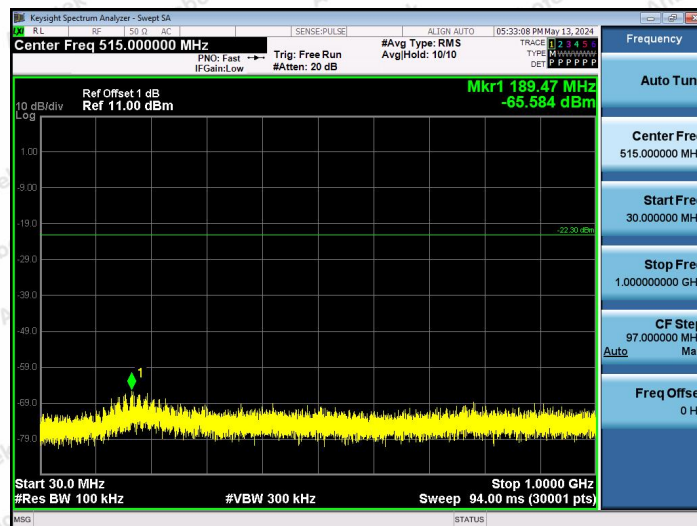
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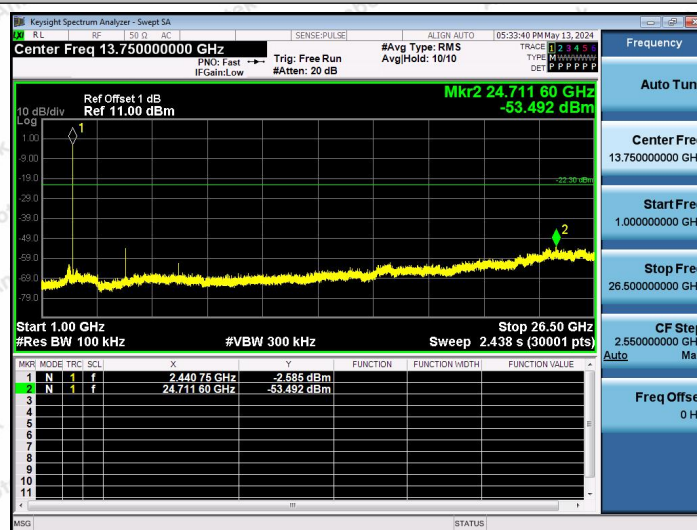




DH5-Ant1-2441-0~Reference-PASS



DH5-Ant1-2441-30~1000-PASS



DH5-Ant1-2441-1000~26500-PASS

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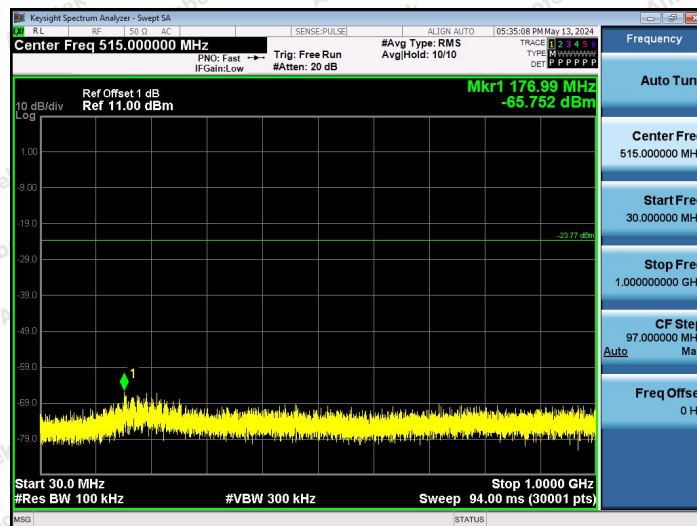
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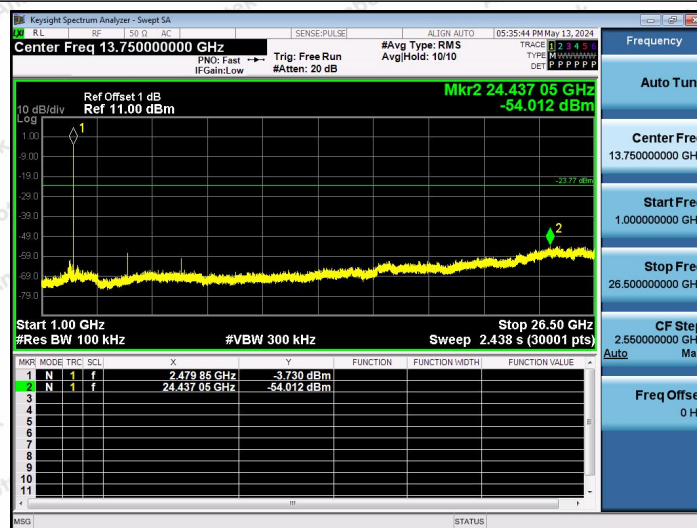




DH5-Ant1-2480-0~Reference-PASS



DH5-Ant1-2480-30~1000-PASS



DH5-Ant1-2480-1000~26500-PASS

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## 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] |
|----------|---------|----------------|-----------------|----------------|-------------------|--------------------------|
| DH5      | Ant1    | 2402           | 2.79            | 3.57           | 78.15             | 1.07                     |
| DH5      | Ant1    | 2441           | 2.79            | 3.57           | 78.15             | 1.07                     |
| DH5      | Ant1    | 2480           | 2.79            | 3.57           | 78.15             | 1.07                     |

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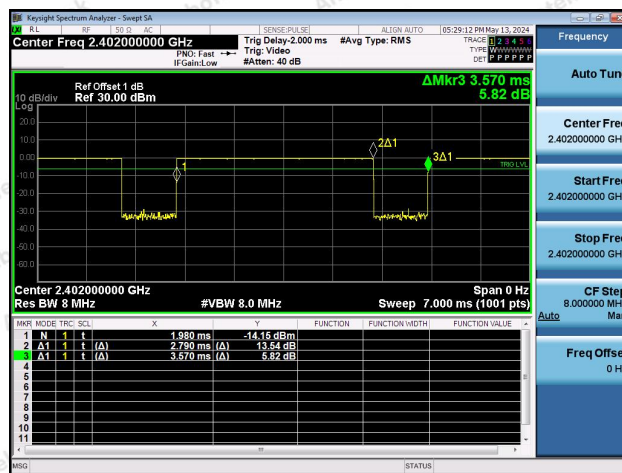
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community,  
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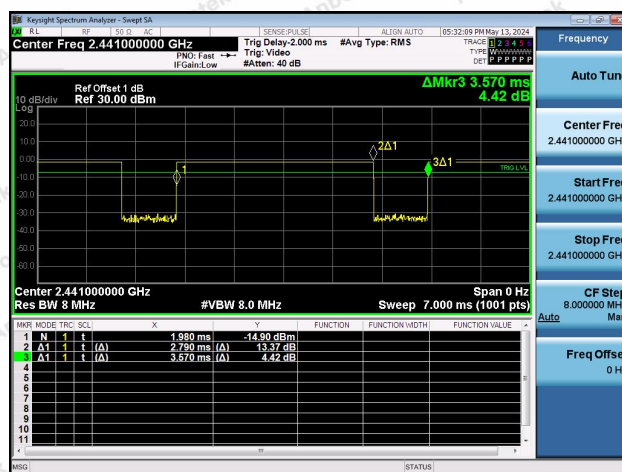
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## Test Graphs



NTNV-DH5-Ant1-2402



NTNV-DH5-Ant1-2441



NTNV-DH5-Ant1-2480

---End---

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