

## **FCC Appendix RF Test Data for BT**

**FCC ID** : 2BQHT-T8620-6

**Company** : DAMASCO TRADING LLC

**EUT** : 8.4 inch Tablet

**Model Number** : T8620-6

**Report No.** : CTA25120100107

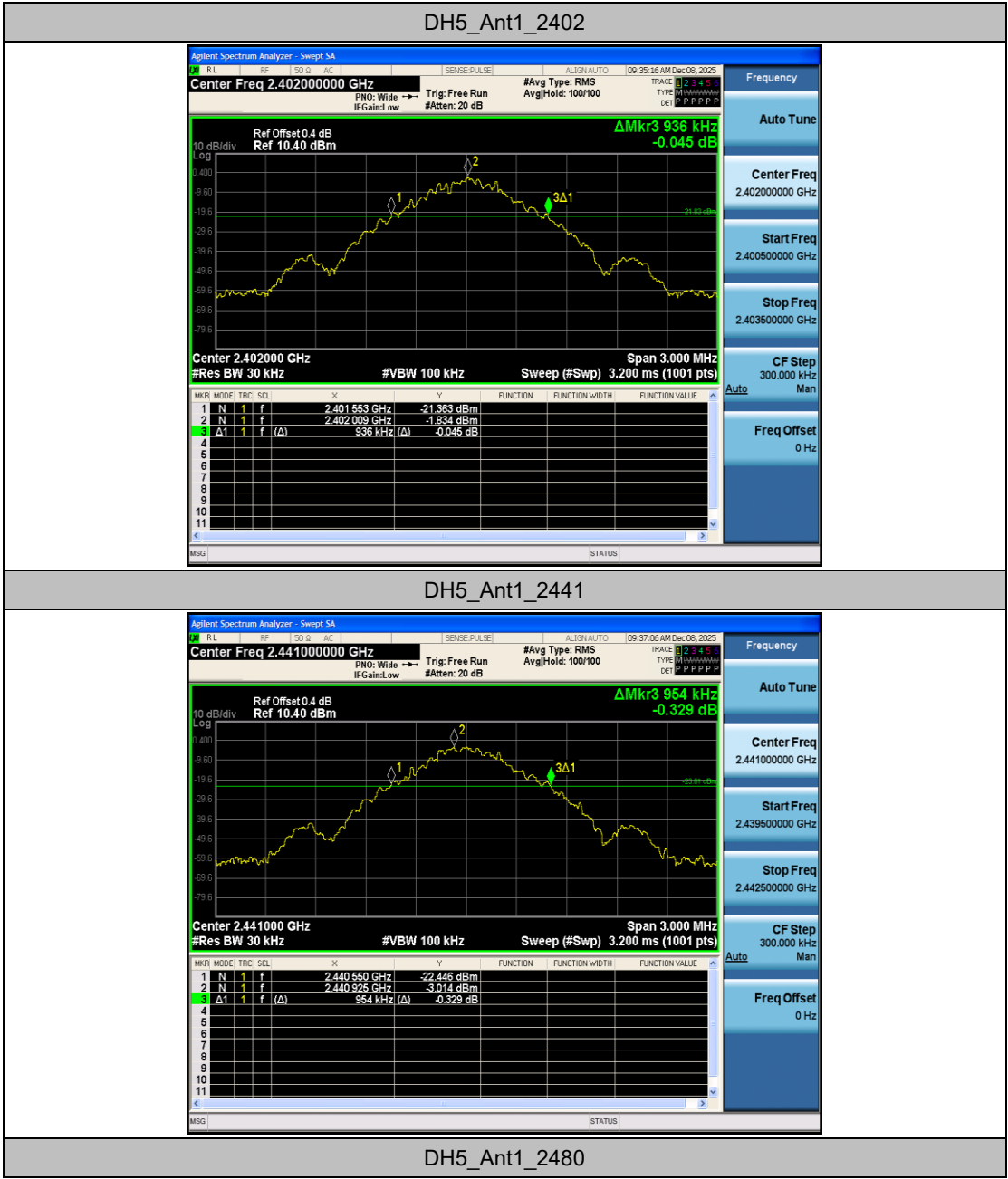
**Reviewed By** : Eric Wang

## Appendix A: 20dB Emission Bandwidth

### Test Result

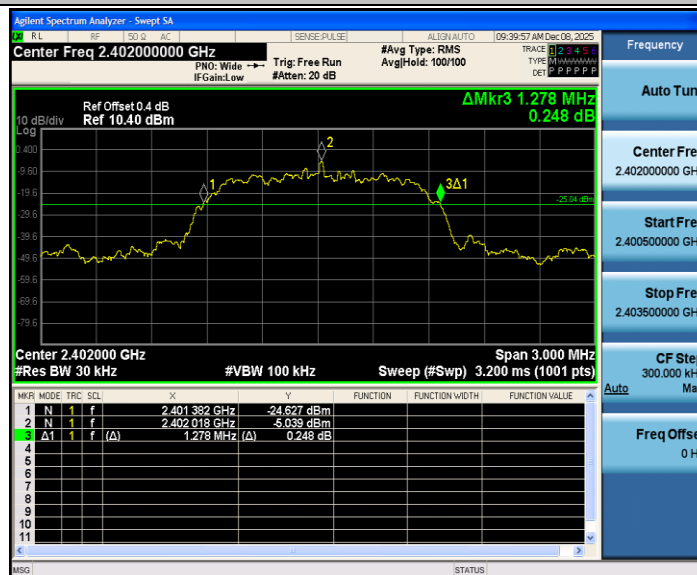
| TestMode | Antenna | Freq(MHz) | 20dB<br>EBW[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|-----------|------------------|----------|----------|------------|---------|
| DH5      | Ant1    | 2402      | 0.936            | 2401.553 | 2402.489 | ---        | ---     |
|          |         | 2441      | 0.954            | 2440.550 | 2441.504 | ---        | ---     |
|          |         | 2480      | 0.954            | 2479.550 | 2480.504 | ---        | ---     |
| 2DH5     | Ant1    | 2402      | 1.278            | 2401.382 | 2402.660 | ---        | ---     |
|          |         | 2441      | 1.314            | 2440.355 | 2441.669 | ---        | ---     |
|          |         | 2480      | 1.347            | 2479.337 | 2480.684 | ---        | ---     |
| 3DH5     | Ant1    | 2402      | 1.278            | 2401.382 | 2402.660 | ---        | ---     |
|          |         | 2441      | 1.278            | 2440.382 | 2441.660 | ---        | ---     |
|          |         | 2480      | 1.278            | 2479.382 | 2480.660 | ---        | ---     |

Test Graphs





2DH5\_Ant1\_2402



2DH5\_Ant1\_2441



## 2DH5\_Ant1\_2480



## 3DH5\_Ant1\_2402



## 3DH5\_Ant1\_2441



3DH5\_Ant1\_2480

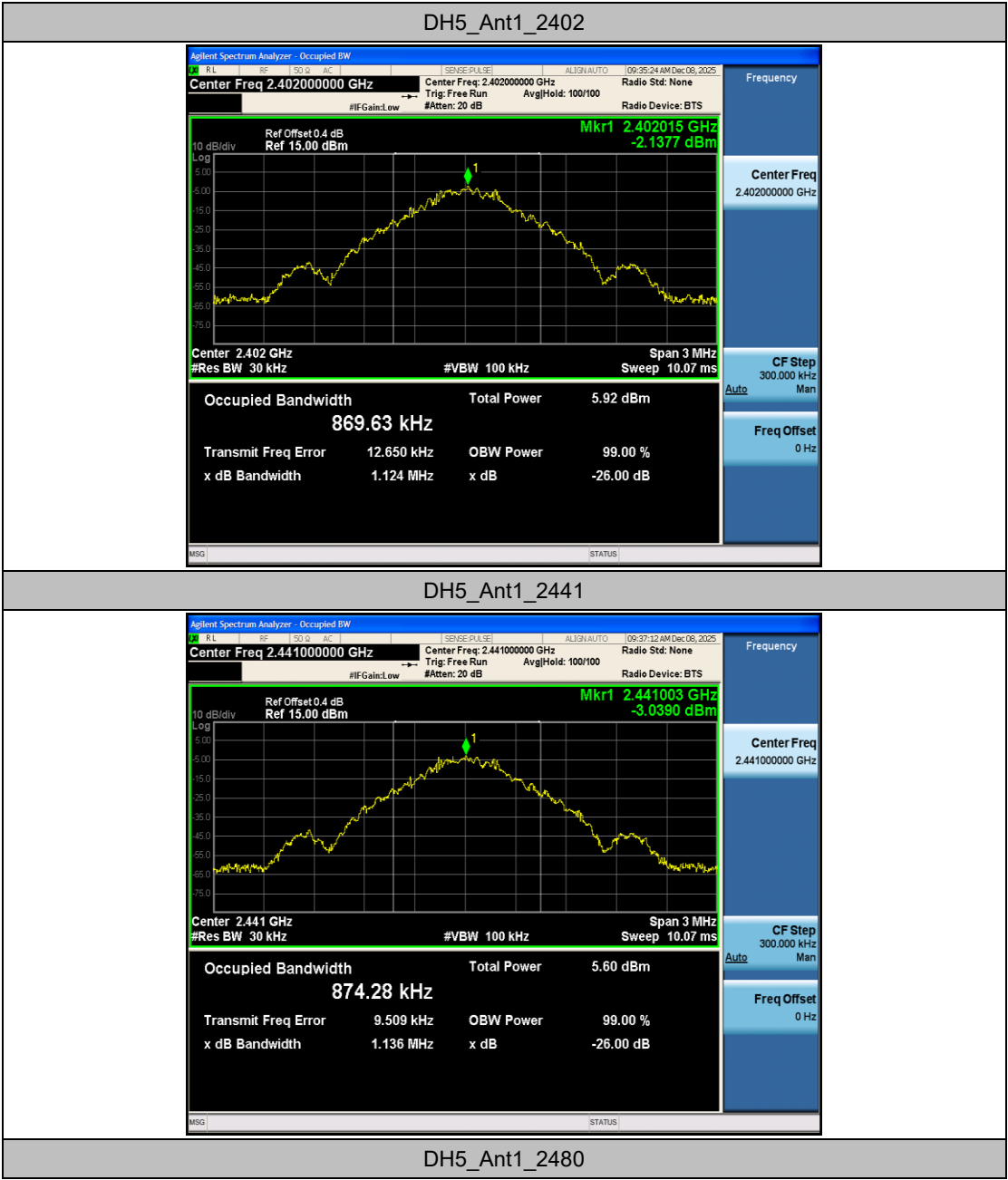


## Appendix B: Occupied Channel Bandwidth

### Test Result

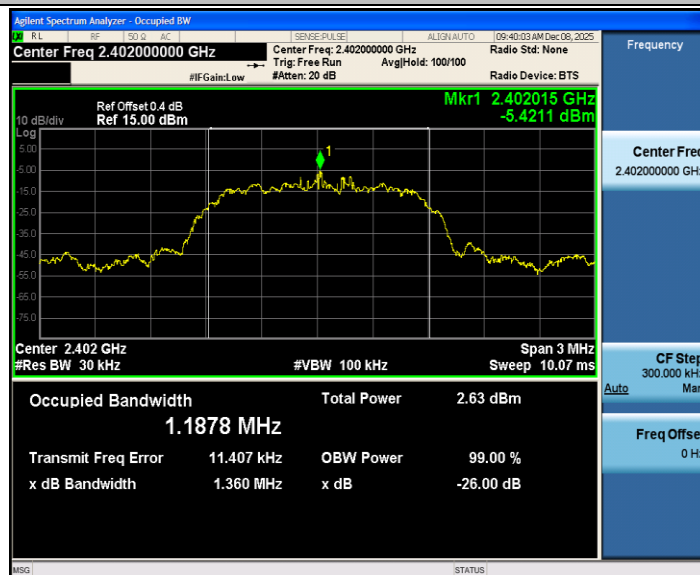
| TestMode | Antenna | Freq(MHz) | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|----------|---------|-----------|-----------|-----------|-----------|------------|---------|
| DH5      | Ant1    | 2402      | 0.86963   | 2401.5778 | 2402.4475 | ---        | ---     |
|          |         | 2441      | 0.87428   | 2440.5724 | 2441.4467 | ---        | ---     |
|          |         | 2480      | 0.87584   | 2479.5722 | 2480.4481 | ---        | ---     |
| 2DH5     | Ant1    | 2402      | 1.1878    | 2401.4175 | 2402.6053 | ---        | ---     |
|          |         | 2441      | 1.1863    | 2440.4180 | 2441.6043 | ---        | ---     |
|          |         | 2480      | 1.1882    | 2479.4173 | 2480.6055 | ---        | ---     |
| 3DH5     | Ant1    | 2402      | 1.1830    | 2401.4194 | 2402.6024 | ---        | ---     |
|          |         | 2441      | 1.1868    | 2440.4168 | 2441.6036 | ---        | ---     |
|          |         | 2480      | 1.1904    | 2479.4161 | 2480.6065 | ---        | ---     |

Test Graphs

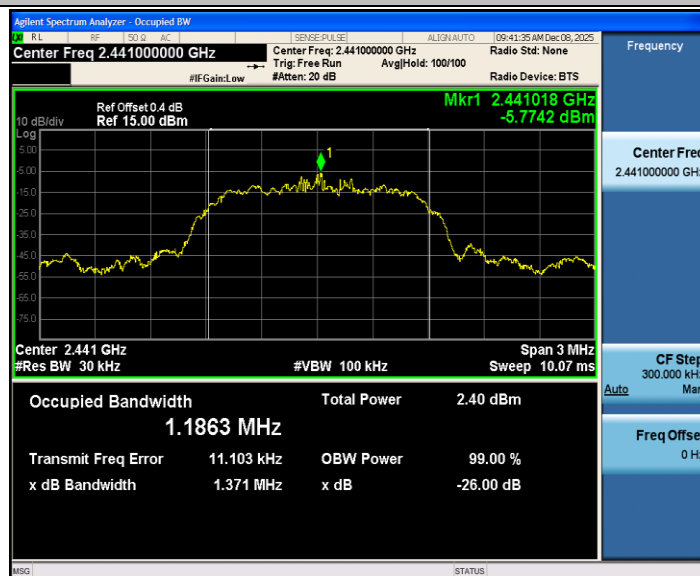




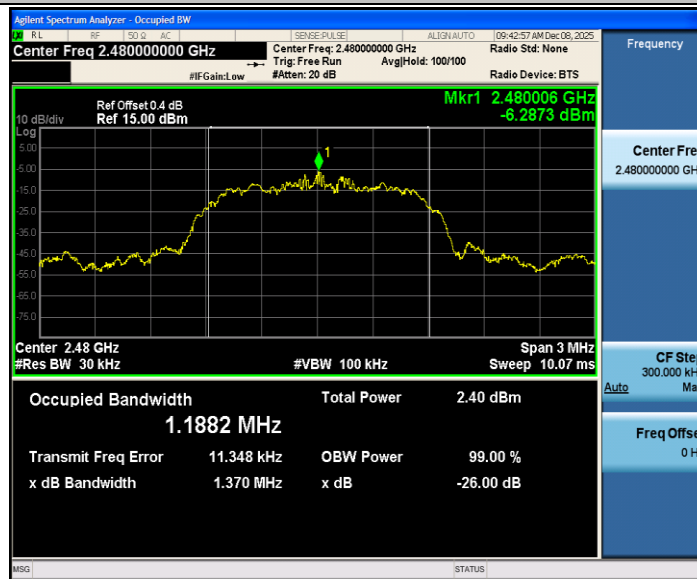
2DH5\_Ant1\_2402



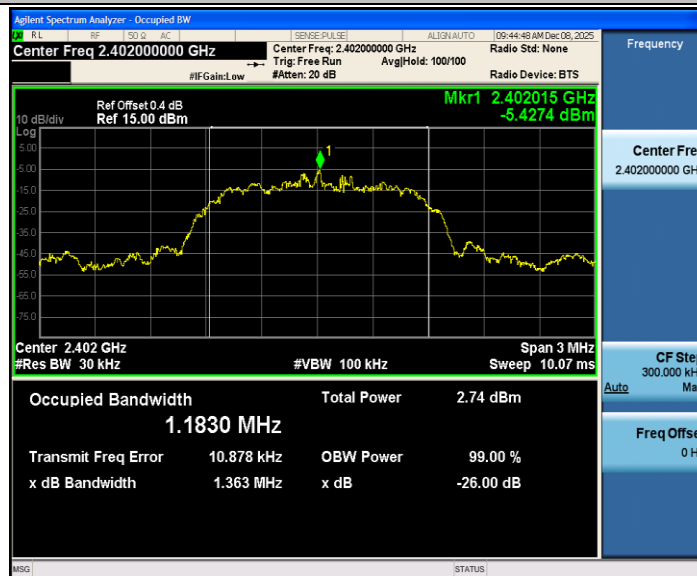
2DH5\_Ant1\_2441



### 2DH5\_Ant1\_2480



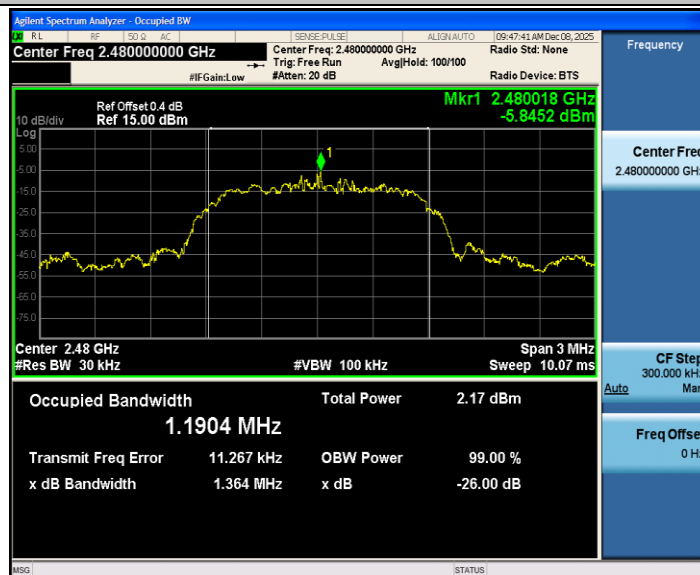
### 3DH5\_Ant1\_2402



### 3DH5\_Ant1\_2441



3DH5\_Ant1\_2480



## Appendix C: Maximum conducted output power

### Test Result Peak

| Test Mode | Antenna | Freq(MHz) | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|-----------|---------|-----------|---------------------------|----------------------|---------|
| DH5       | Ant1    | 2402      | -0.03                     | ≤20.97               | PASS    |
|           |         | 2441      | -0.27                     | ≤20.97               | PASS    |
|           |         | 2480      | -0.35                     | ≤20.97               | PASS    |
| 2DH5      | Ant1    | 2402      | -0.81                     | ≤20.97               | PASS    |
|           |         | 2441      | -1.08                     | ≤20.97               | PASS    |
|           |         | 2480      | -1.17                     | ≤20.97               | PASS    |
| 3DH5      | Ant1    | 2402      | -0.82                     | ≤20.97               | PASS    |
|           |         | 2441      | -1.03                     | ≤20.97               | PASS    |
|           |         | 2480      | -1.13                     | ≤20.97               | PASS    |

## Appendix D: Carrier frequency separation

### Test Result

| TestMode | Antenna | Freq(MHz) | Result[MHz] | Limit[MHz]   | Verdict |
|----------|---------|-----------|-------------|--------------|---------|
| DH5      | Ant1    | Hop       | 0.996       | $\geq 0.954$ | PASS    |
| 2DH5     | Ant1    | Hop       | 0.984       | $\geq 0.898$ | PASS    |
| 3DH5     | Ant1    | Hop       | 1.308       | $\geq 1.278$ | PASS    |

Test Graphs



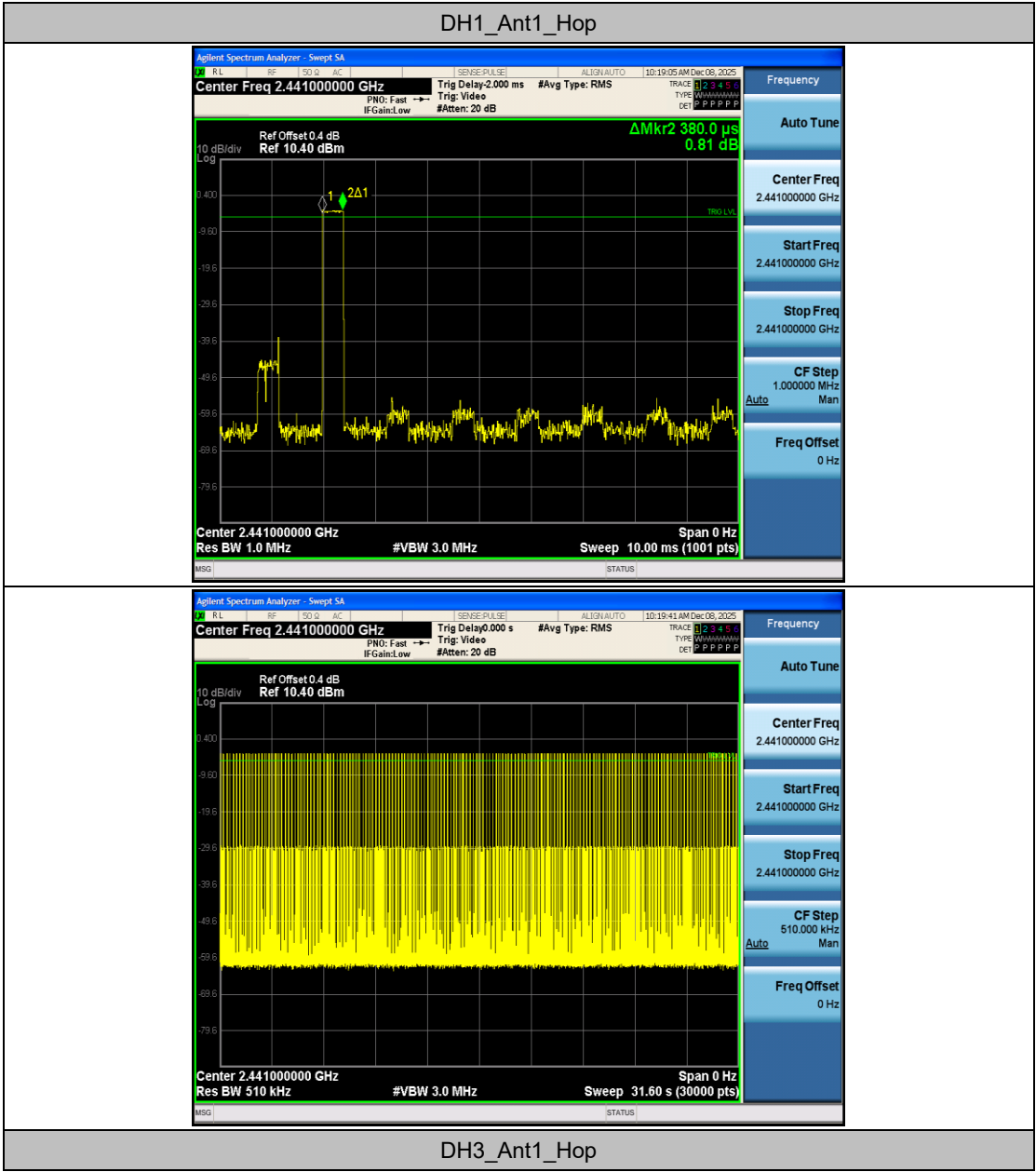


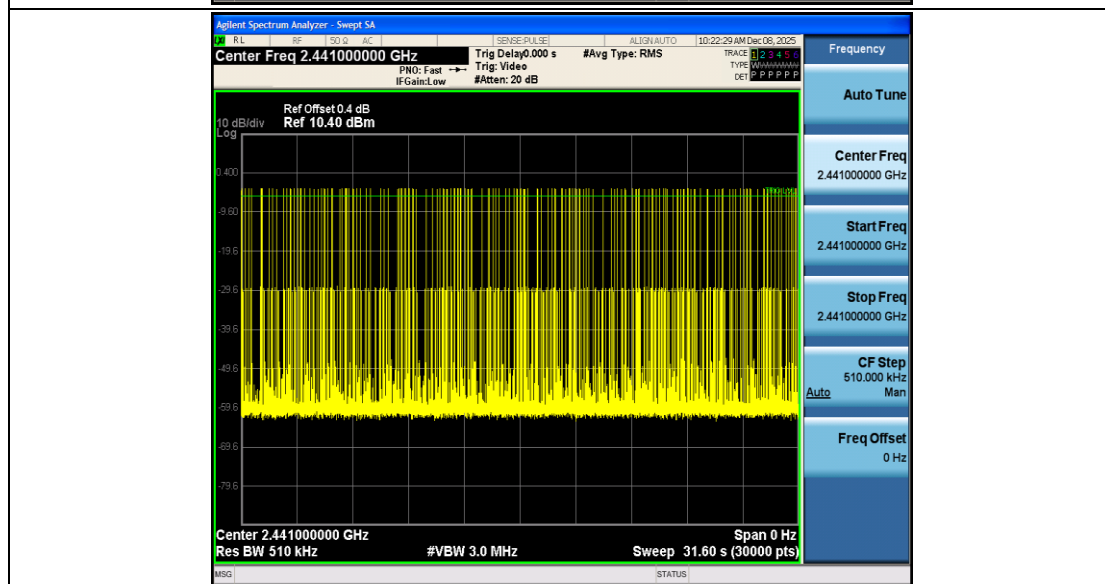
## Appendix E: Time of occupancy

### Test Result

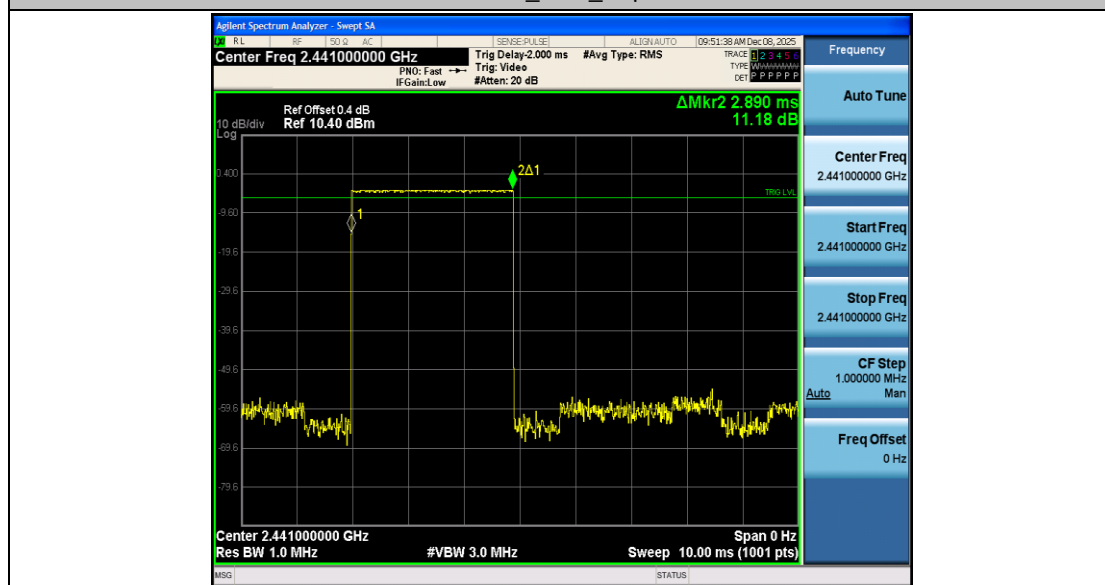
| TestMode | Antenna | Freq(MHz) | BurstWidth<br>[ms] | TotalHops<br>[Num] | Result[s] | Limit[s] | Verdict |
|----------|---------|-----------|--------------------|--------------------|-----------|----------|---------|
| DH1      | Ant1    | Hop       | 0.380              | 318                | 0.121     | ≤0.4     | PASS    |
| DH3      | Ant1    | Hop       | 1.640              | 169                | 0.277     | ≤0.4     | PASS    |
| DH5      | Ant1    | Hop       | 2.890              | 112                | 0.324     | ≤0.4     | PASS    |
| 2DH1     | Ant1    | Hop       | 0.390              | 317                | 0.124     | ≤0.4     | PASS    |
| 2DH3     | Ant1    | Hop       | 1.640              | 161                | 0.264     | ≤0.4     | PASS    |
| 2DH5     | Ant1    | Hop       | 2.900              | 116                | 0.336     | ≤0.4     | PASS    |
| 3DH1     | Ant1    | Hop       | 0.390              | 319                | 0.124     | ≤0.4     | PASS    |
| 3DH3     | Ant1    | Hop       | 1.640              | 160                | 0.262     | ≤0.4     | PASS    |
| 3DH5     | Ant1    | Hop       | 2.900              | 118                | 0.342     | ≤0.4     | PASS    |

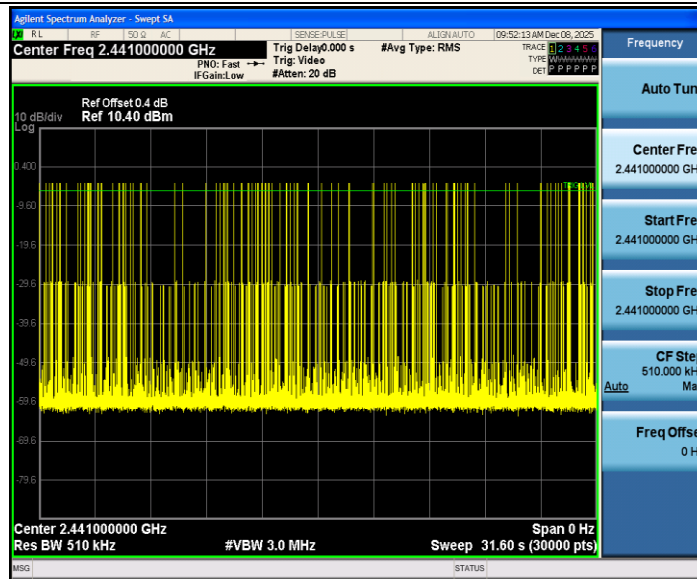
Test Graphs



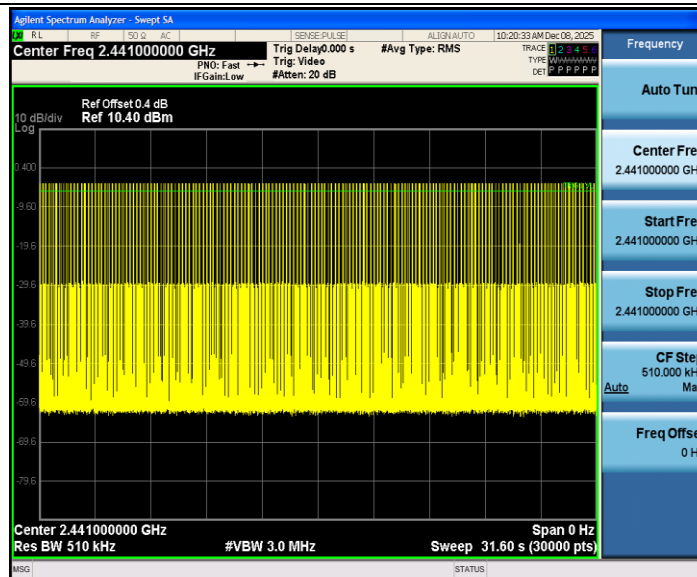
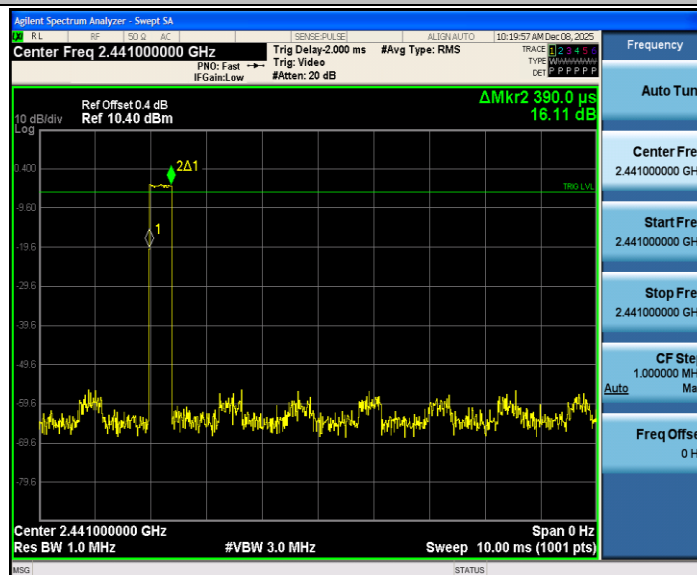


DH5\_Ant1\_Hop

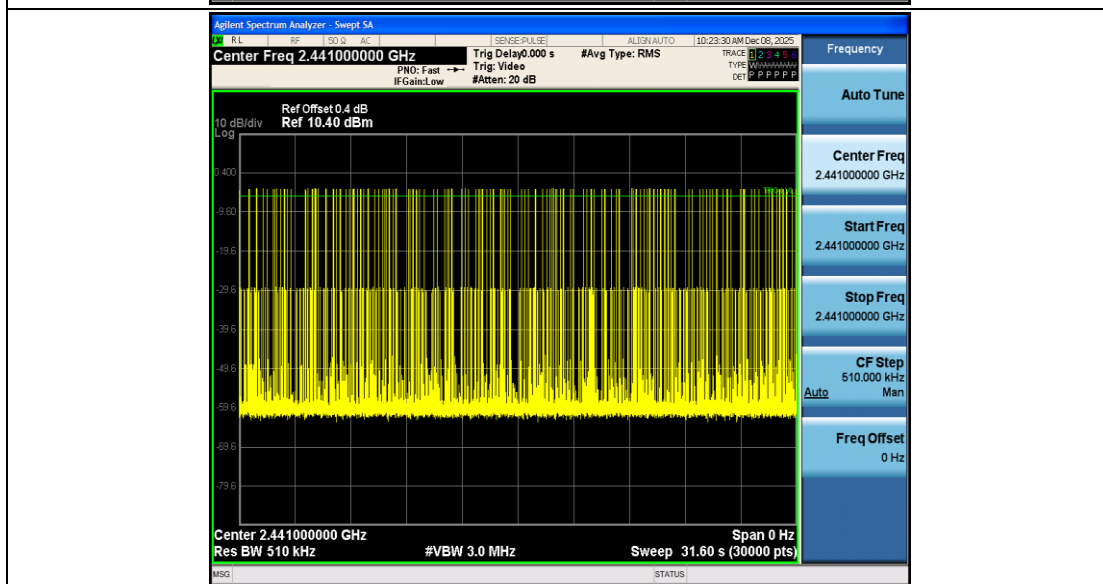




2DH1\_Ant1\_Hop

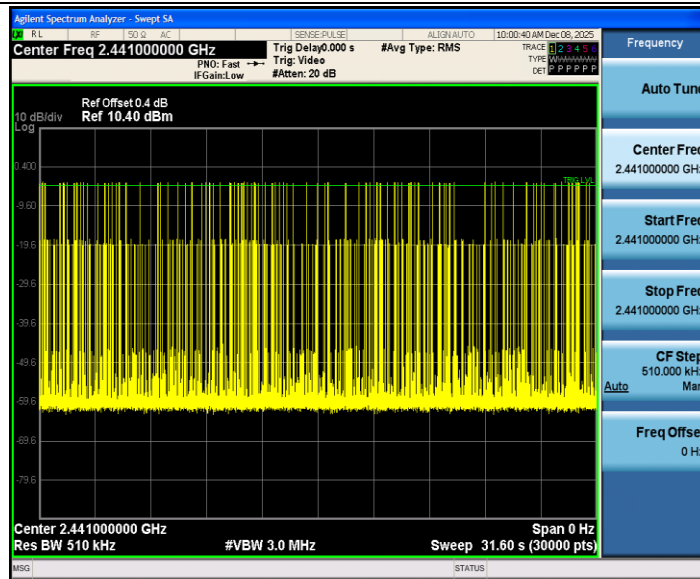


2DH3\_Ant1\_Hop

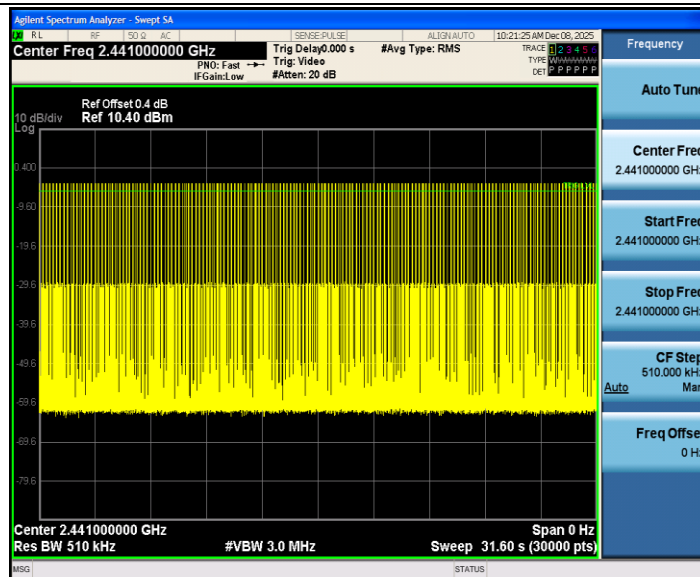
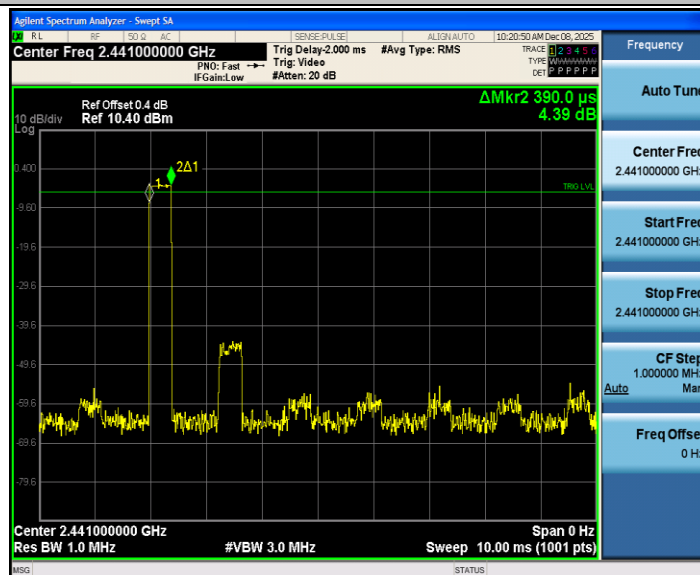


2DH5\_Ant1\_Hop

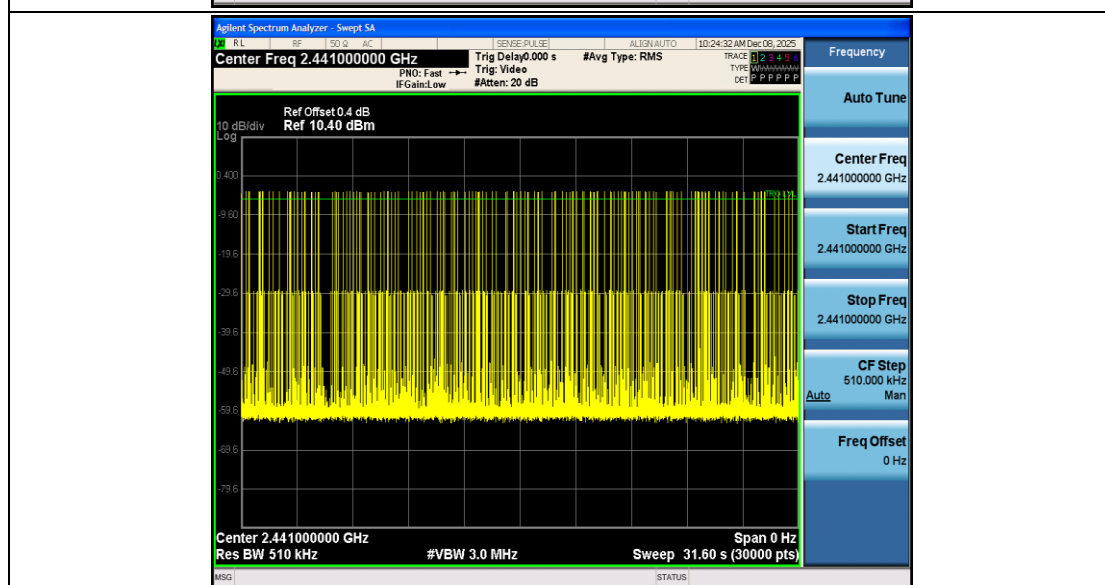




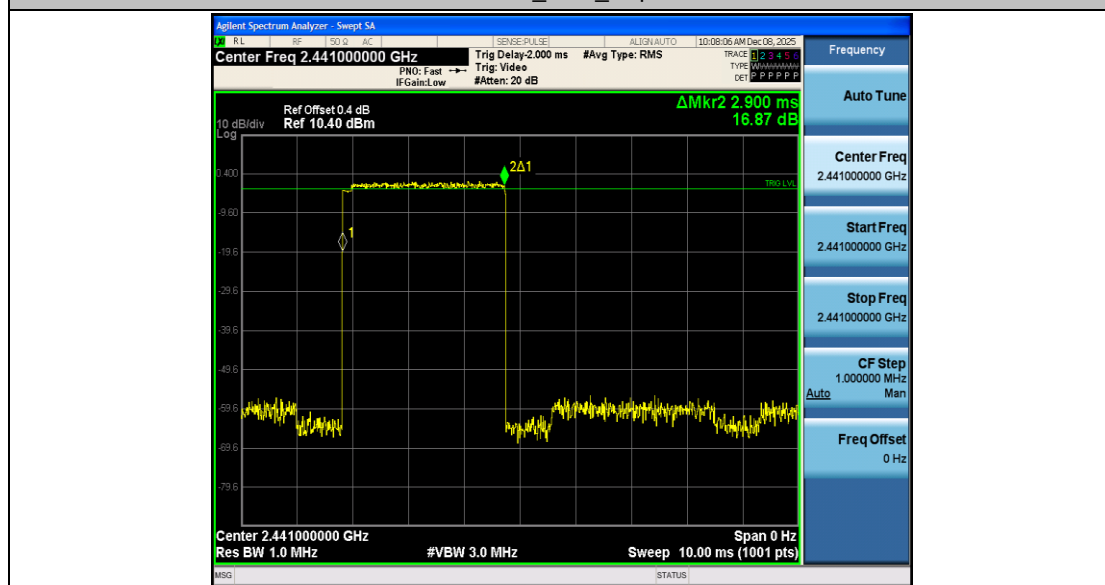
3DH1\_Ant1\_Hop

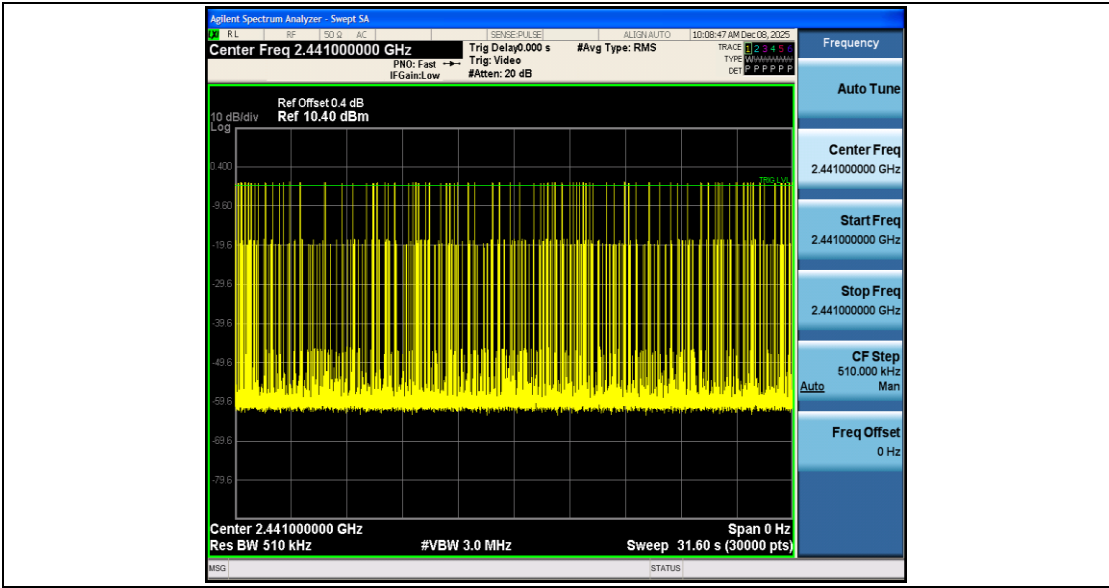


3DH3\_Ant1\_Hop



3DH5\_Ant1\_Hop





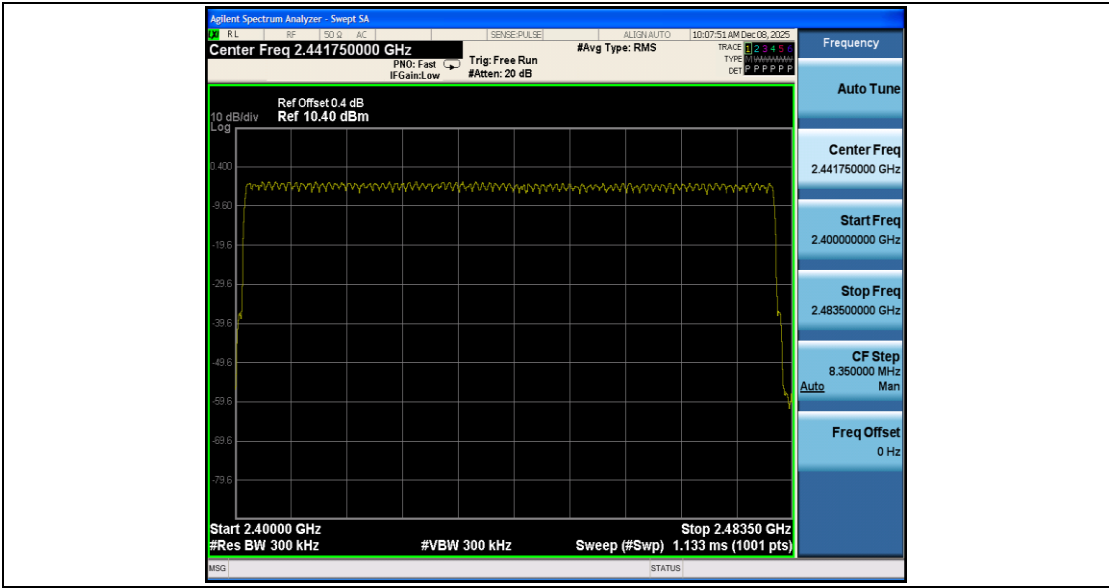
## Appendix F: Number of hopping channels

### Test Result

| TestMode | Antenna | Freq(MHz) | Result[Num] | Limit[Num] | Verdict |
|----------|---------|-----------|-------------|------------|---------|
| DH5      | Ant1    | Hop       | 79          | ≥15        | PASS    |
| 2DH5     | Ant1    | Hop       | 79          | ≥15        | PASS    |
| 3DH5     | Ant1    | Hop       | 79          | ≥15        | PASS    |

Test Graphs



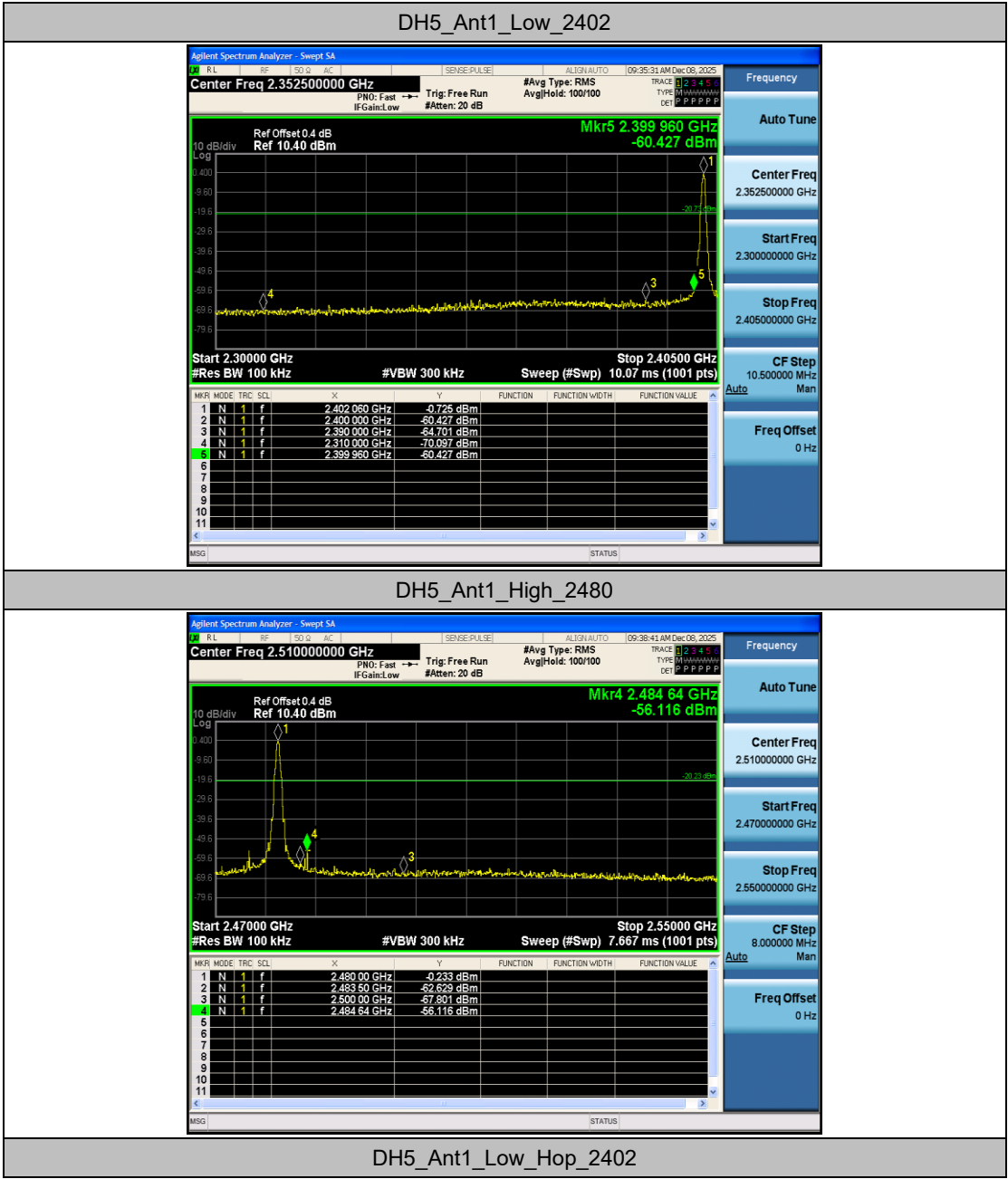


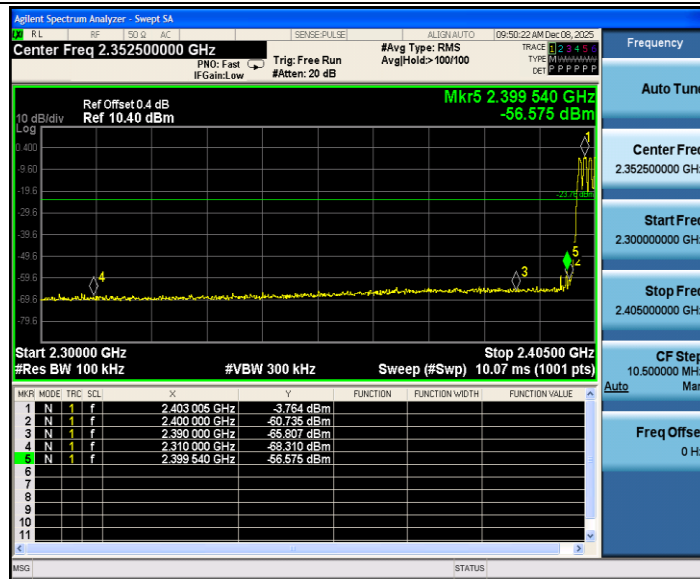
## Appendix G: Band edge measurements

### Test Result

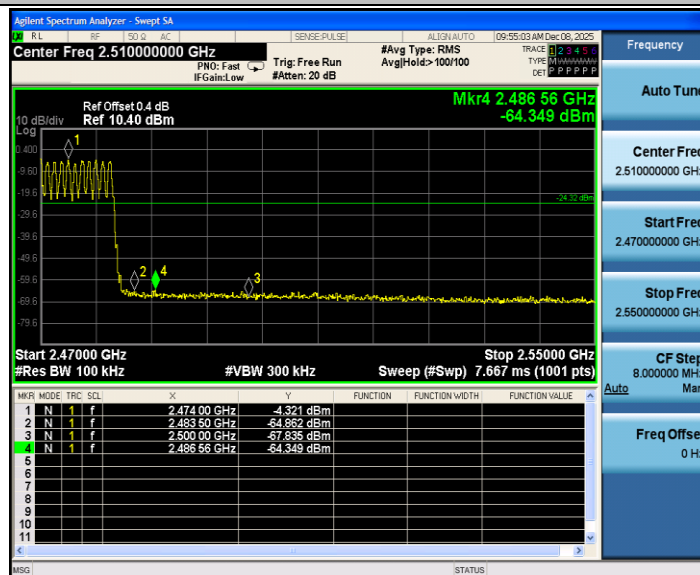
| TestMode | Antenna | ChName | Freq(MHz) | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|--------|-----------|----------------|--------------|-------------|---------|
| DH5      | Ant1    | Low    | 2402      | -0.73          | -60.43       | ≤-20.73     | PASS    |
|          |         | High   | 2480      | -0.23          | -56.12       | ≤-20.23     | PASS    |
|          |         | Low    | Hop_2402  | -3.76          | -56.58       | ≤-23.76     | PASS    |
|          |         | High   | Hop_2480  | -4.32          | -64.35       | ≤-24.32     | PASS    |
| 2DH5     | Ant1    | Low    | 2402      | -5.62          | -60.63       | ≤-25.62     | PASS    |
|          |         | High   | 2480      | -4.95          | -61.99       | ≤-24.95     | PASS    |
|          |         | Low    | Hop_2402  | -3.60          | -56.53       | ≤-23.6      | PASS    |
|          |         | High   | Hop_2480  | -3.91          | -64.33       | ≤-23.91     | PASS    |
| 3DH5     | Ant1    | Low    | 2402      | -4.81          | -61.02       | ≤-24.81     | PASS    |
|          |         | High   | 2480      | -5.09          | -62.59       | ≤-25.09     | PASS    |
|          |         | Low    | Hop_2402  | -6.61          | -55.75       | ≤-26.61     | PASS    |
|          |         | High   | Hop_2480  | -4.73          | -53.12       | ≤-24.73     | PASS    |

# Test Graphs

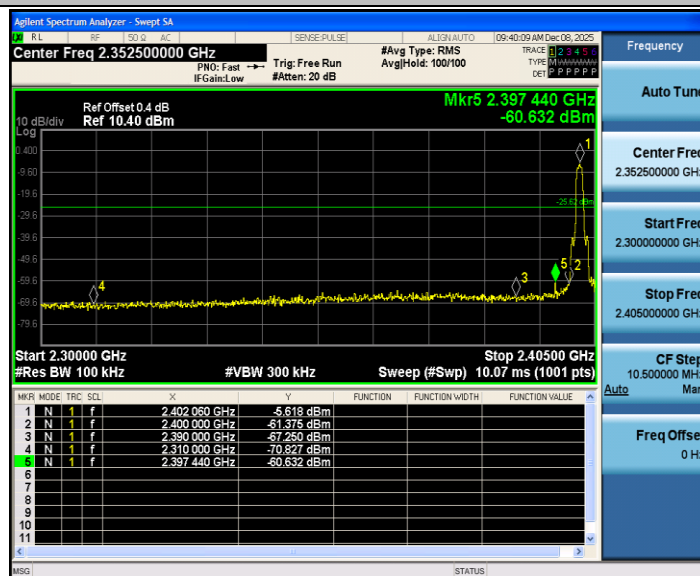




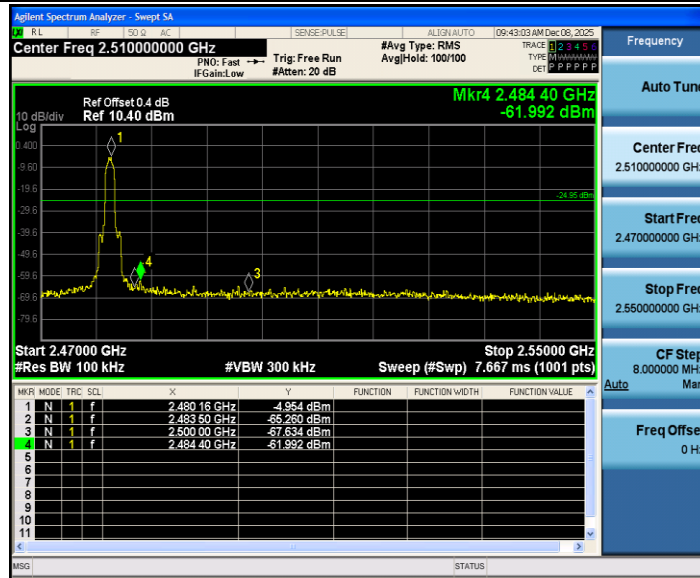
DH5\_Ant1\_High\_Hop\_2480



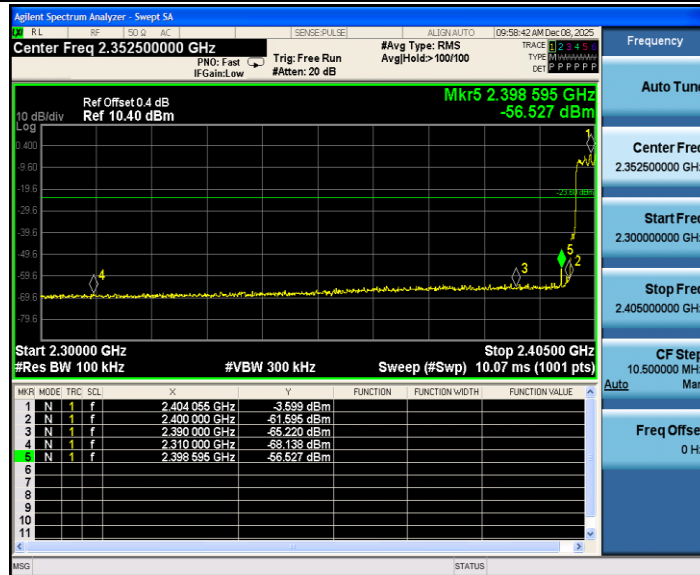
2DH5\_Ant1\_Low\_2402



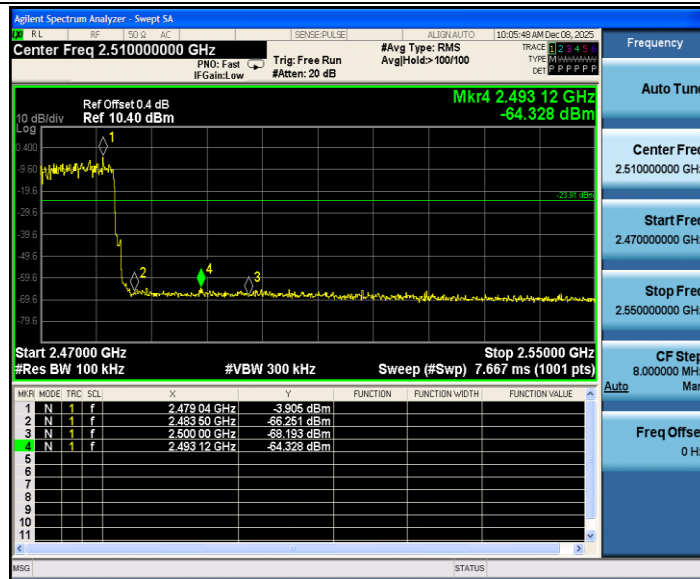
## 2DH5\_Ant1\_High\_2480



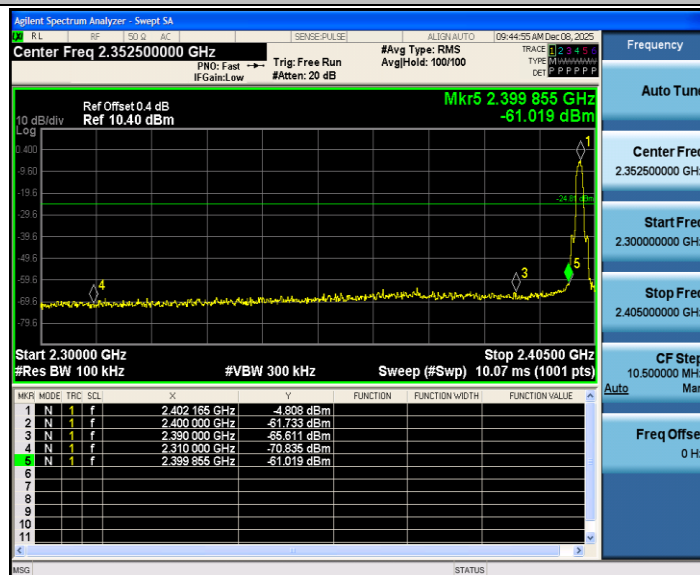
## 2DH5\_Ant1\_Low\_Hop\_2402



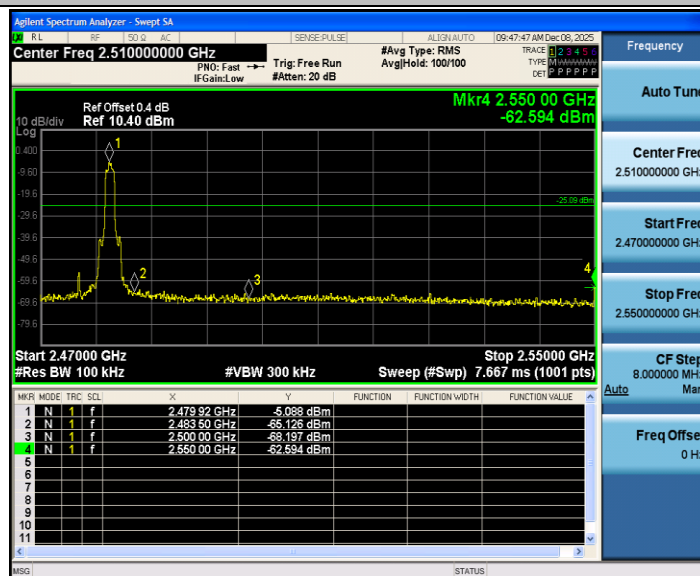
## 2DH5\_Ant1\_High\_Hop\_2480



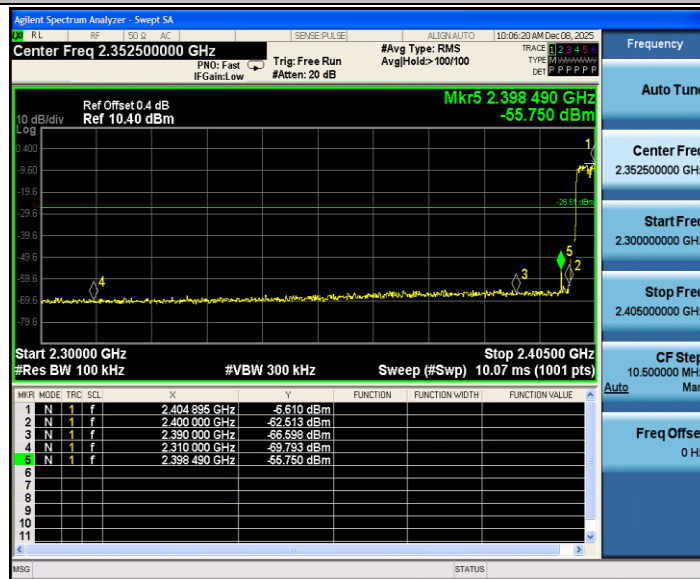
3DH5\_Ant1\_Low\_2402



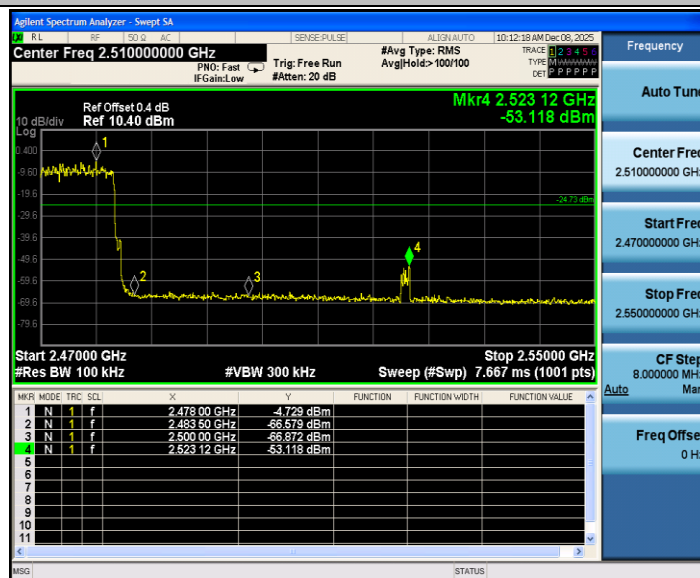
3DH5\_Ant1\_High\_2480



### 3DH5\_Ant1\_Low\_Hop\_2402



### 3DH5\_Ant1\_High\_Hop\_2480

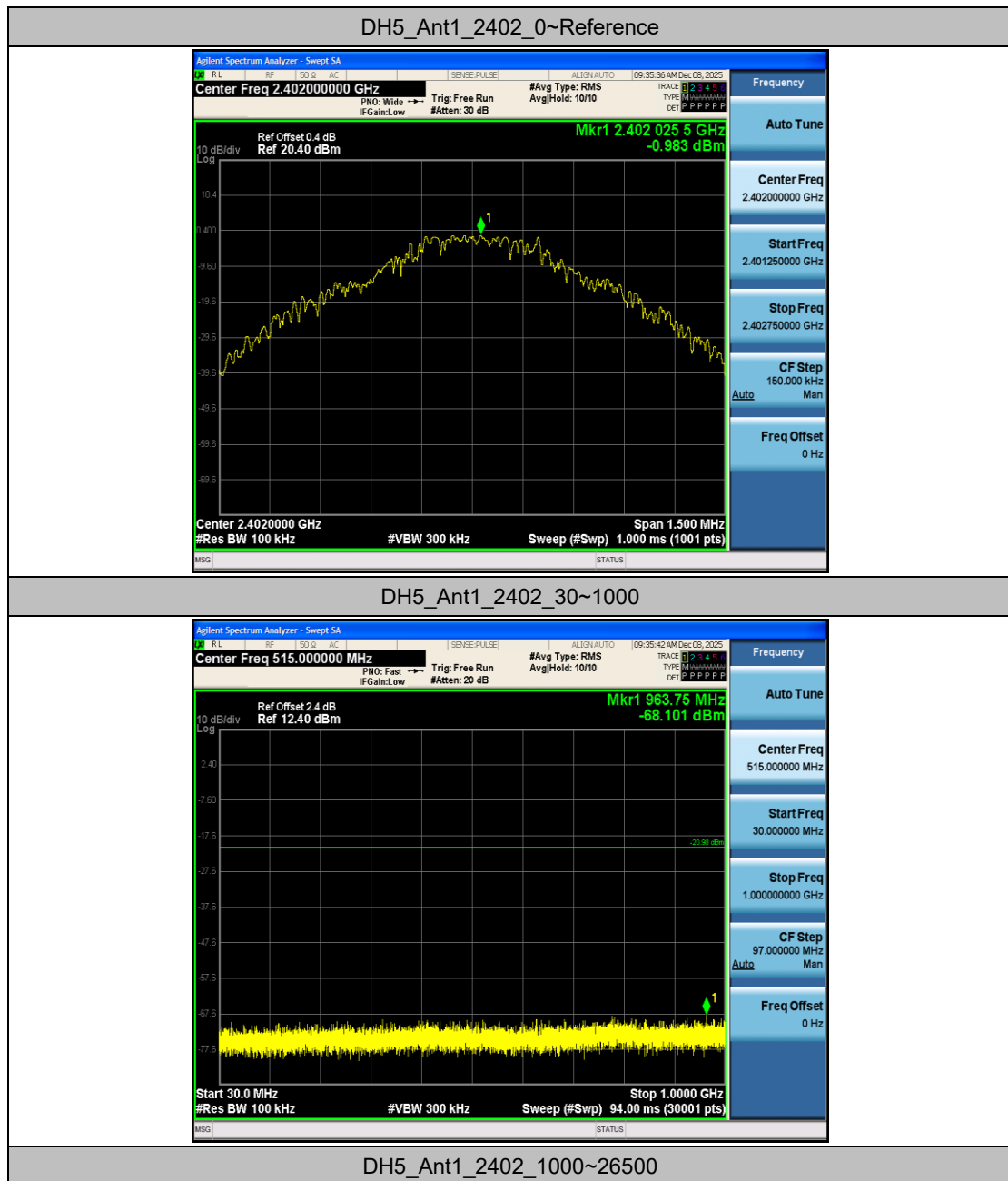


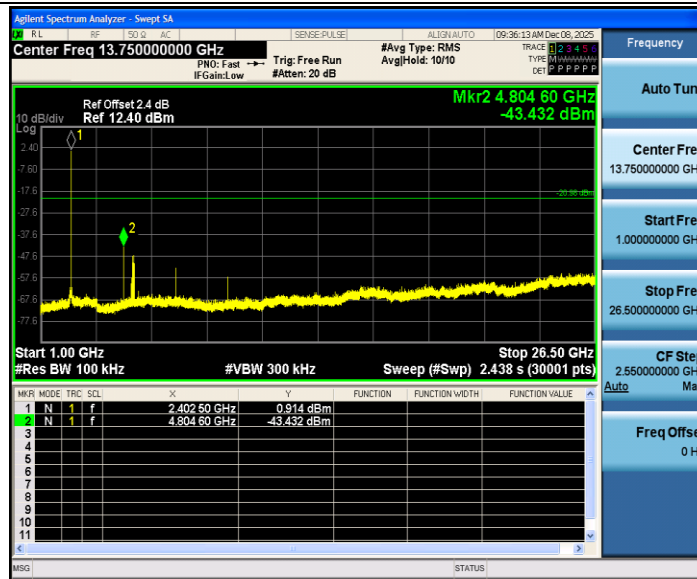
## Appendix H: Conducted Spurious Emission

### Test Result

| TestMode | Antenna | Freq(MHz) | FreqRange [MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|-----------|-----------------|----------------|--------------|-------------|---------|
| DH5      | Ant1    | 2402      | Reference       | -0.98          | -0.98        | ---         | PASS    |
|          |         |           | 30~1000         | -0.98          | -68.1        | ≤-20.98     | PASS    |
|          |         |           | 1000~26500      | -0.98          | -43.43       | ≤-20.98     | PASS    |
|          |         | 2441      | Reference       | -1.46          | -1.46        | ---         | PASS    |
|          |         |           | 30~1000         | -1.46          | -68.11       | ≤-21.46     | PASS    |
|          |         |           | 1000~26500      | -1.46          | -42.06       | ≤-21.46     | PASS    |
|          |         | 2480      | Reference       | -1.58          | -1.58        | ---         | PASS    |
|          |         |           | 30~1000         | -1.58          | -68.28       | ≤-21.58     | PASS    |
|          |         |           | 1000~26500      | -1.58          | -43.2        | ≤-21.58     | PASS    |
| 2DH5     | Ant1    | 2402      | Reference       | -6.10          | -6.10        | ---         | PASS    |
|          |         |           | 30~1000         | -6.10          | -68.15       | ≤-26.1      | PASS    |
|          |         |           | 1000~26500      | -6.10          | -49.3        | ≤-26.1      | PASS    |
|          |         | 2441      | Reference       | -5.82          | -5.82        | ---         | PASS    |
|          |         |           | 30~1000         | -5.82          | -67.42       | ≤-25.82     | PASS    |
|          |         |           | 1000~26500      | -5.82          | -46.84       | ≤-25.82     | PASS    |
|          |         | 2480      | Reference       | -5.94          | -5.94        | ---         | PASS    |
|          |         |           | 30~1000         | -5.94          | -63.9        | ≤-25.94     | PASS    |
|          |         |           | 1000~26500      | -5.94          | -46.24       | ≤-25.94     | PASS    |
| 3DH5     | Ant1    | 2402      | Reference       | -4.90          | -4.90        | ---         | PASS    |
|          |         |           | 30~1000         | -4.90          | -68.28       | ≤-24.9      | PASS    |
|          |         |           | 1000~26500      | -4.90          | -49.73       | ≤-24.9      | PASS    |
|          |         | 2441      | Reference       | -4.40          | -4.40        | ---         | PASS    |
|          |         |           | 30~1000         | -4.40          | -67.43       | ≤-24.4      | PASS    |
|          |         |           | 1000~26500      | -4.40          | -49.84       | ≤-24.4      | PASS    |
|          |         | 2480      | Reference       | -5.58          | -5.58        | ---         | PASS    |
|          |         |           | 30~1000         | -5.58          | -67.61       | ≤-25.58     | PASS    |
|          |         |           | 1000~26500      | -5.58          | -50.02       | ≤-25.58     | PASS    |

## Test Graphs

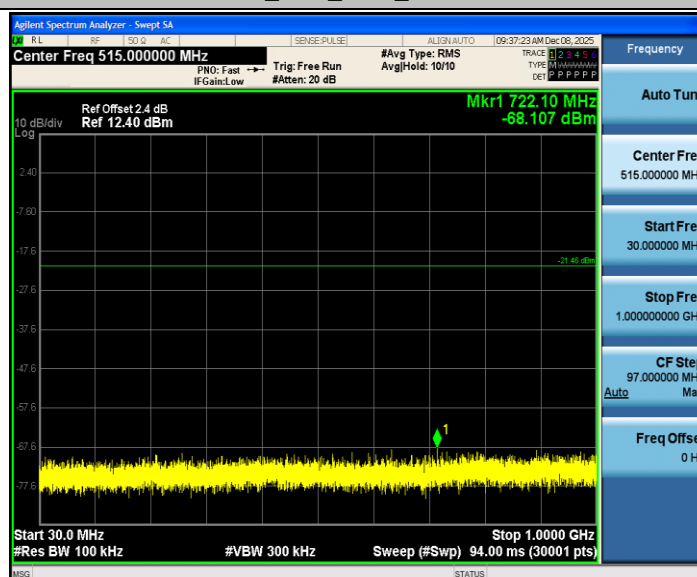




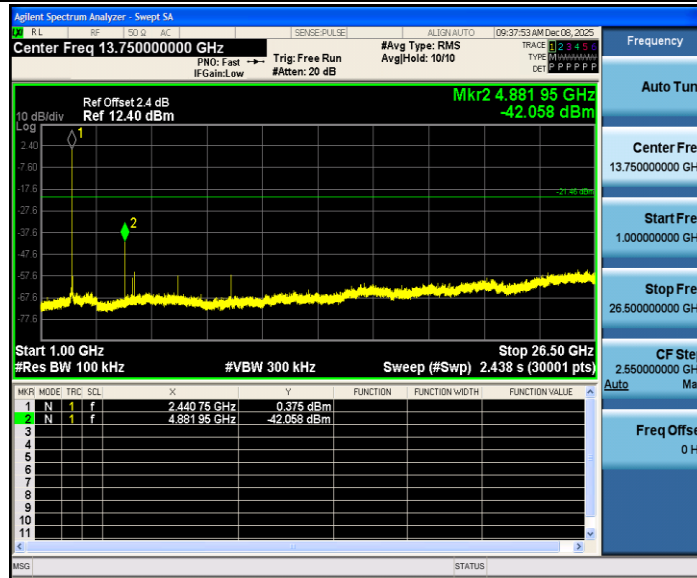
DH5\_Ant1\_2441\_0~Reference



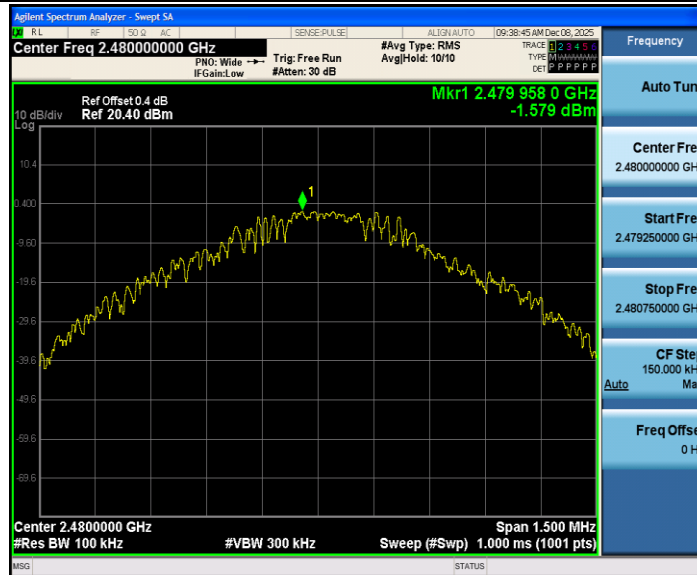
DH5\_Ant1\_2441\_30~1000



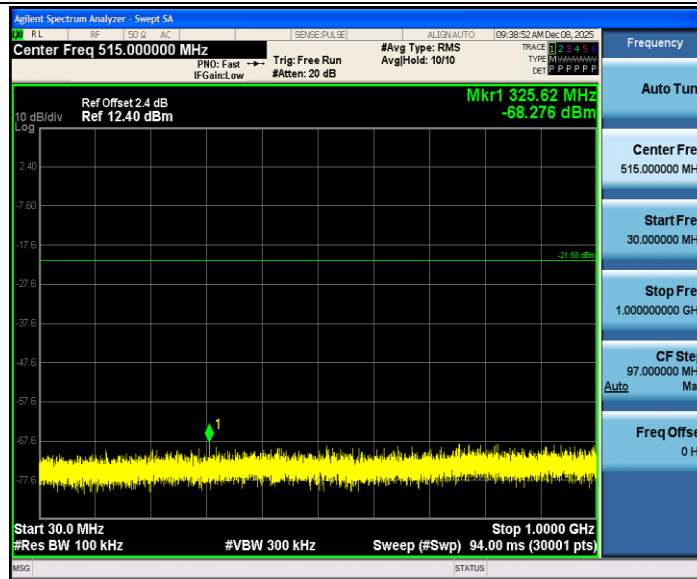
# DH5\_Ant1\_2441\_1000~26500



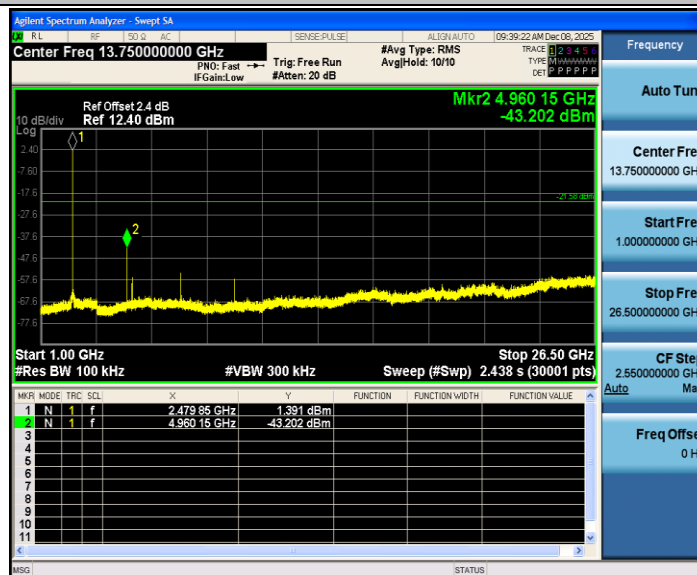
# DH5\_Ant1\_2480\_0~Reference



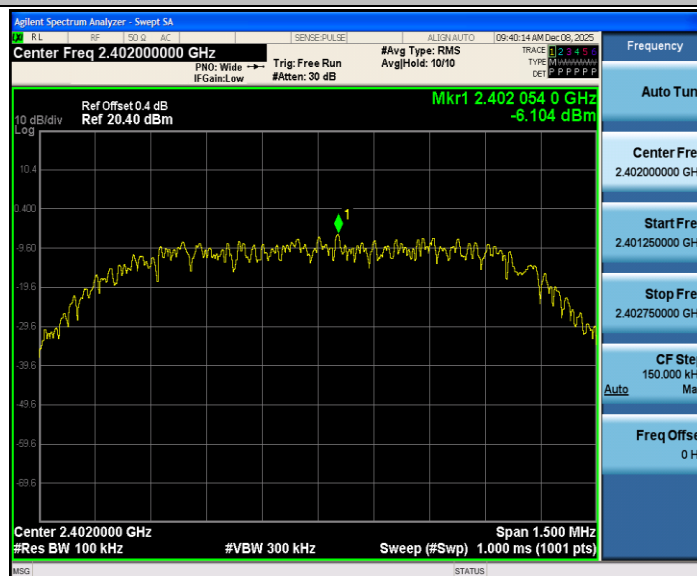
# DH5\_Ant1\_2480\_30~1000



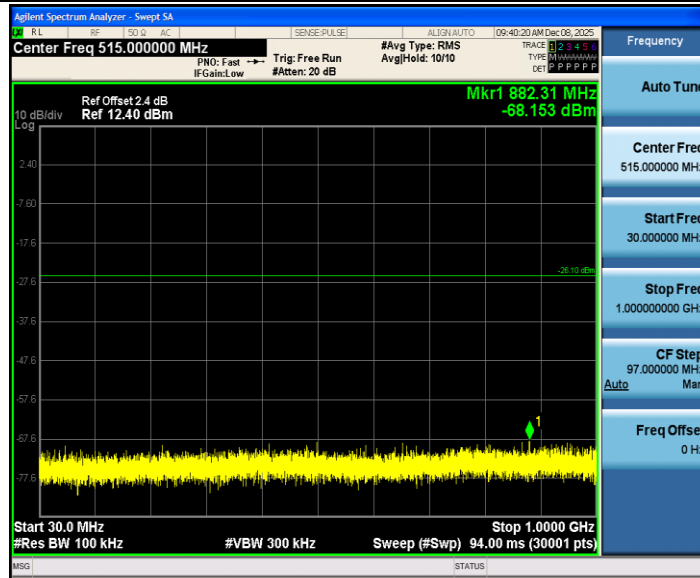
DH5\_Ant1\_2480\_1000~26500



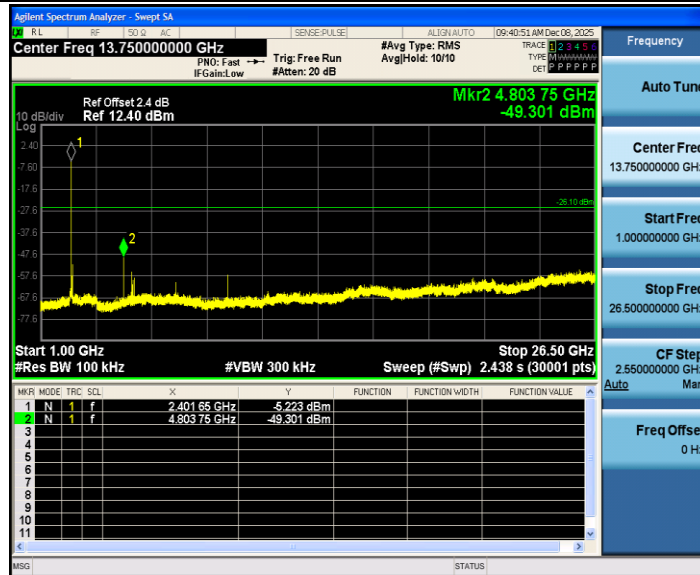
2DH5\_Ant1\_2402\_0~Reference



# 2DH5\_Ant1\_2402\_30~1000



# 2DH5\_Ant1\_2402\_1000~26500



# 2DH5\_Ant1\_2441\_0~Reference