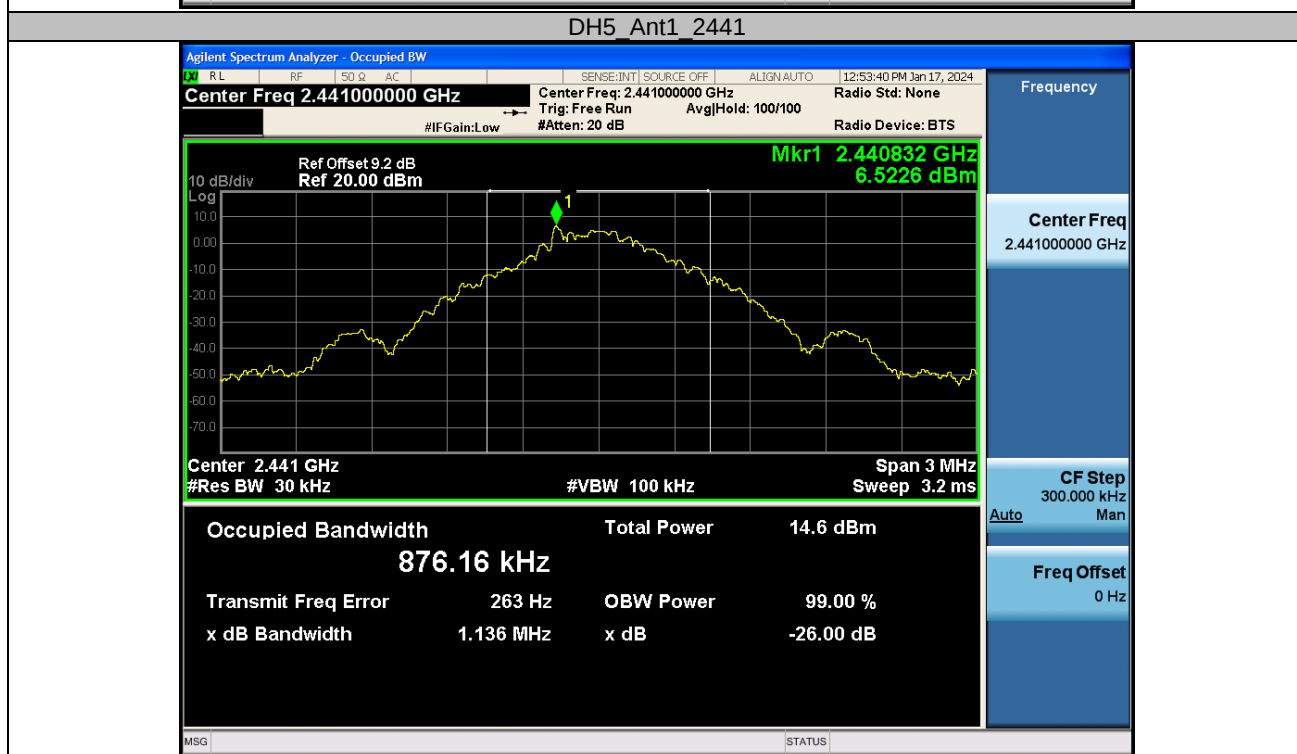
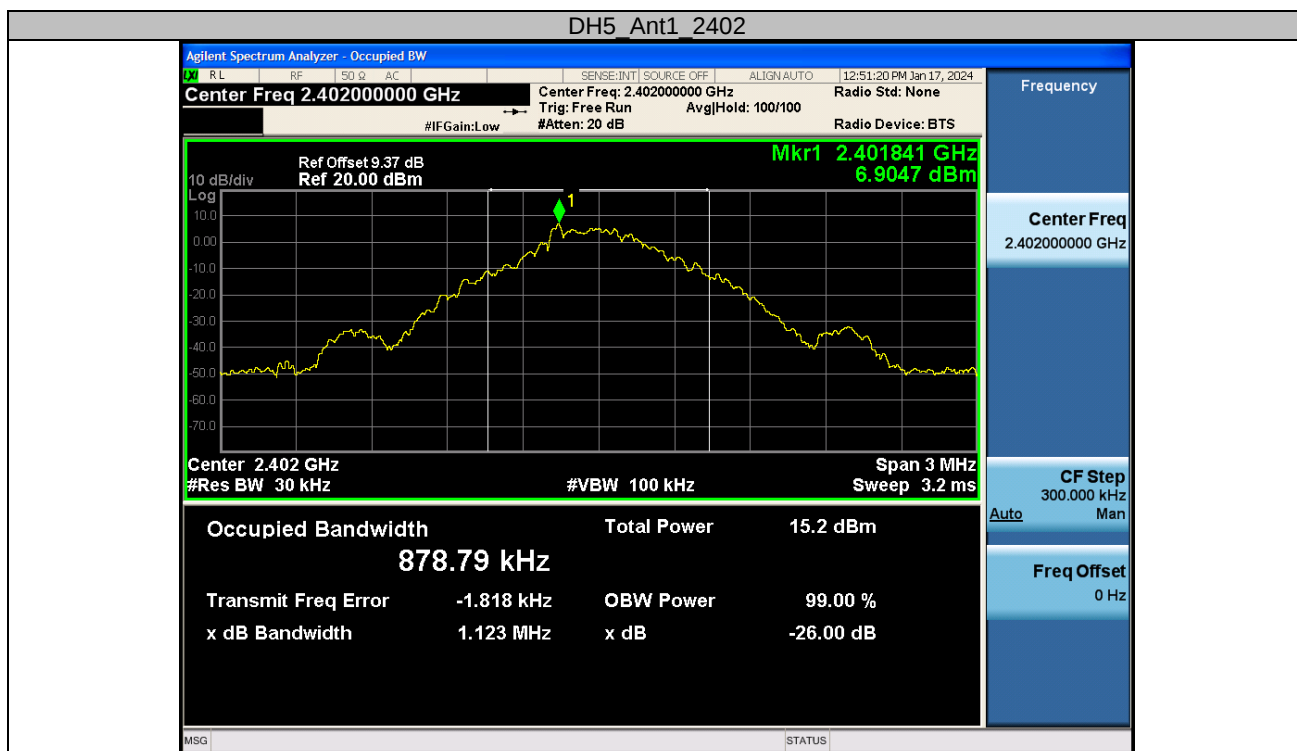


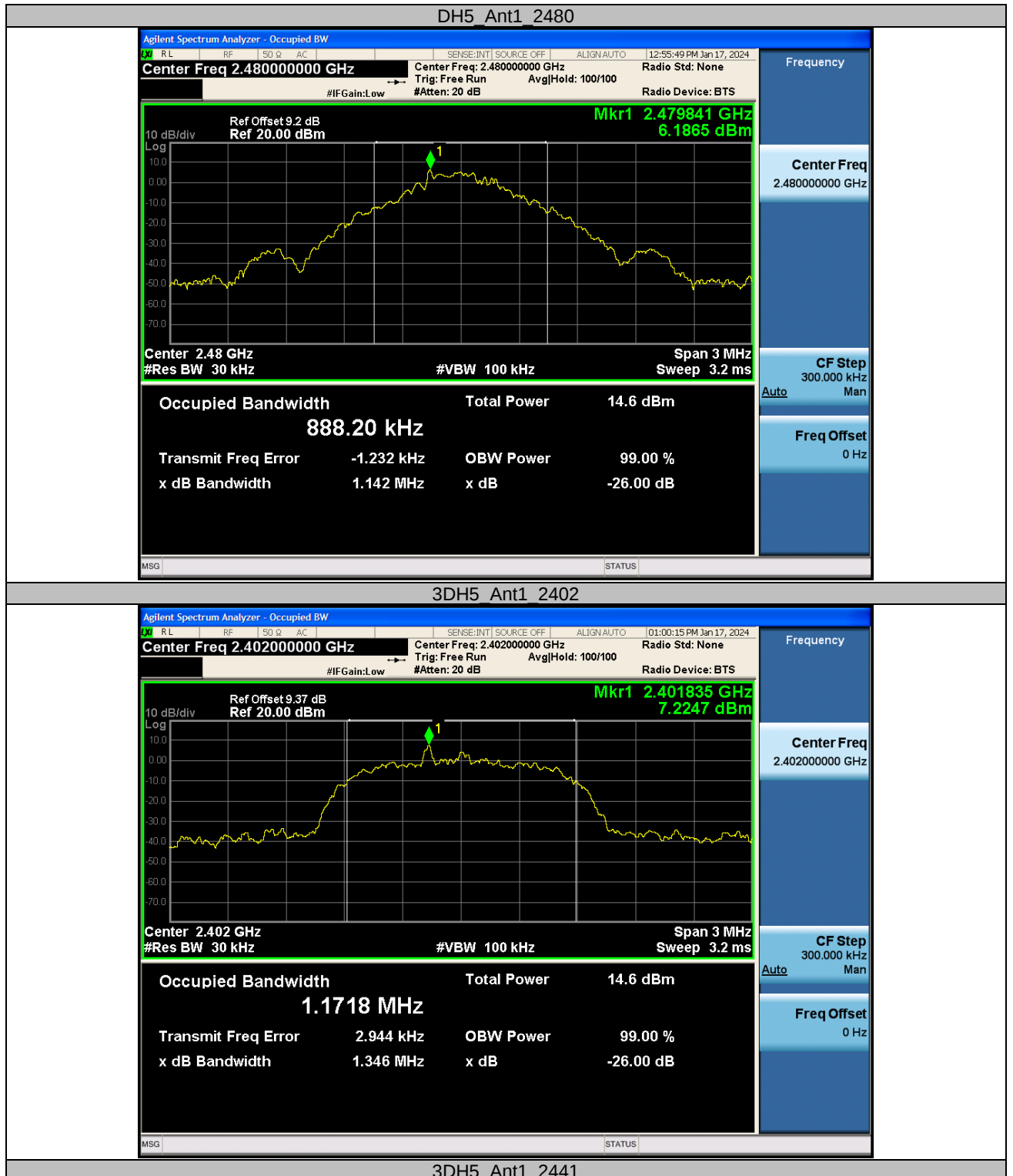
## Appendix B: Test Results of Bluetooth BR/EDR mode

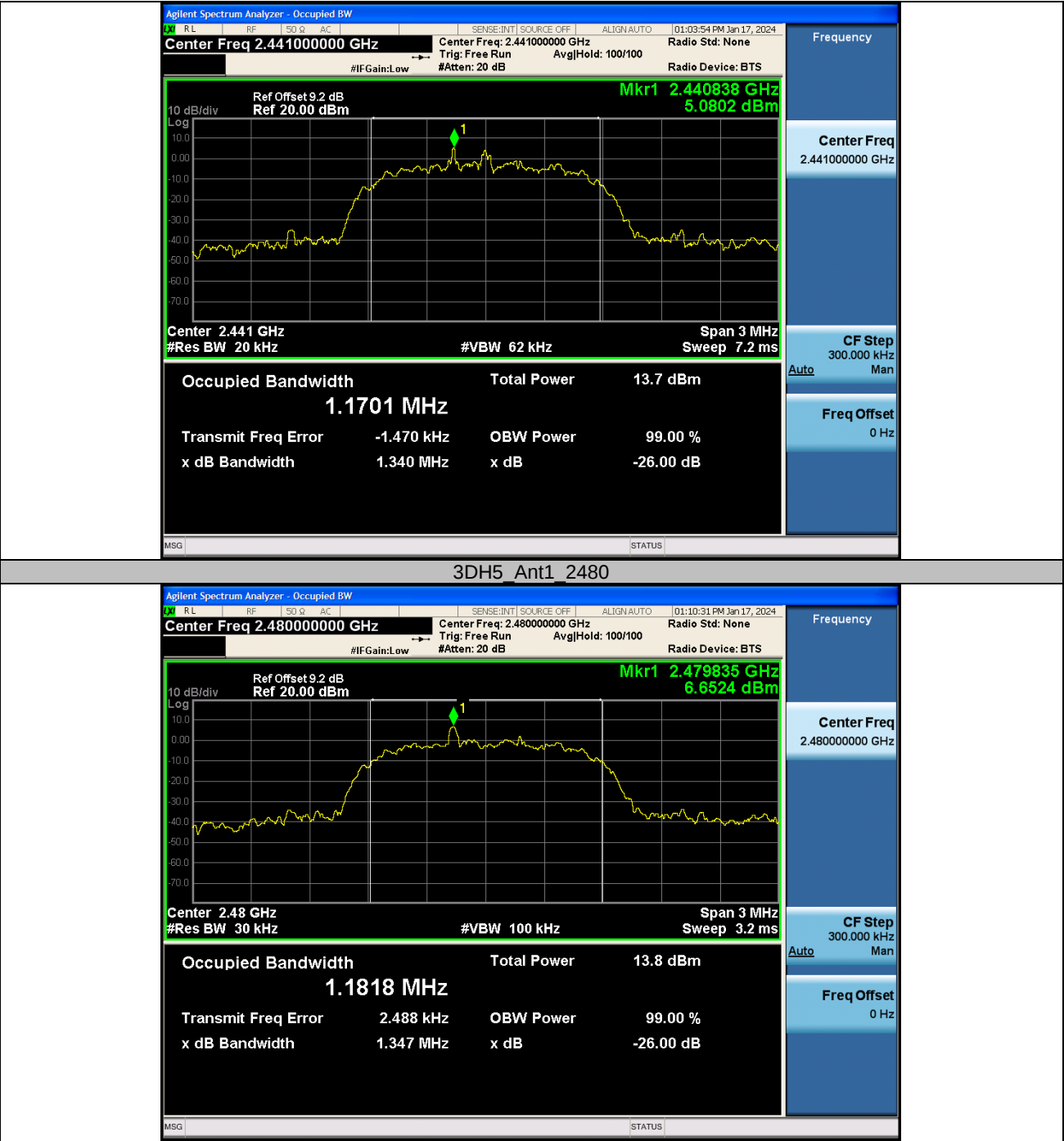
|                                                                                                      |           |
|------------------------------------------------------------------------------------------------------|-----------|
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## Appendix B.1: Test Results of 99% Bandwidth

| TestMode | Antenna | Channel | OCB [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|---------|-----------|----------|----------|------------|---------|
| DH5      | Ant1    | 2402    | 0.879     | 2401.559 | 2402.438 | ---        | PASS    |
|          |         | 2441    | 0.876     | 2440.562 | 2441.438 | ---        | PASS    |
|          |         | 2480    | 0.888     | 2479.555 | 2480.443 | ---        | PASS    |
| 3DH5     | Ant1    | 2402    | 1.172     | 2401.417 | 2402.589 | ---        | PASS    |
|          |         | 2441    | 1.171     | 2440.413 | 2441.584 | ---        | PASS    |
|          |         | 2480    | 1.182     | 2479.411 | 2480.593 | ---        | PASS    |







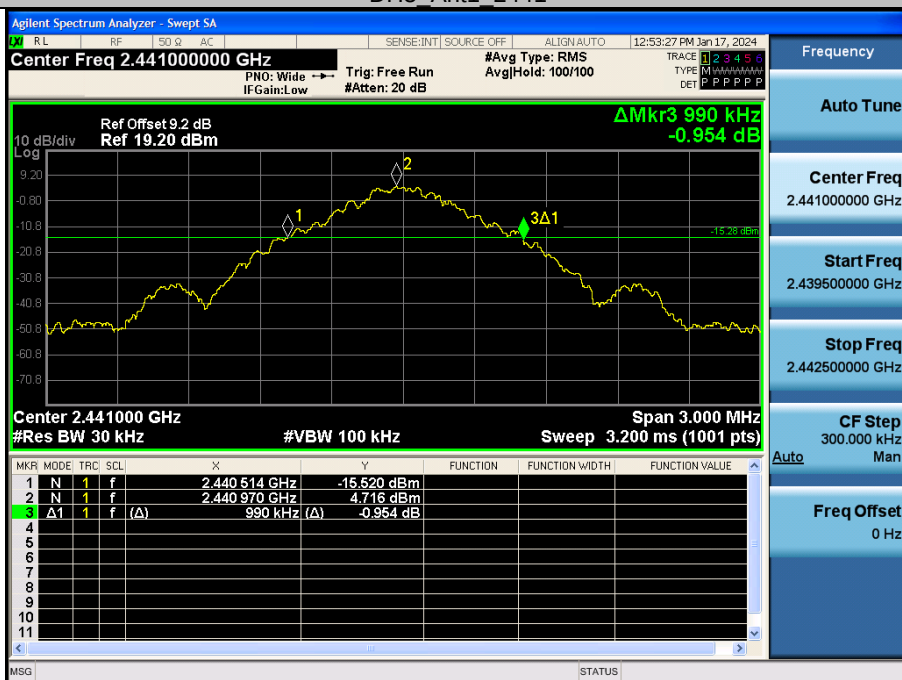
## Appendix B.2: Test Results of 20dB Bandwidth

| TestMode | Antenna | Channel | 20db EBW[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|---------|---------------|----------|----------|------------|---------|
| DH5      | Ant1    | 2402    | 0.936         | 2401.541 | 2402.477 | ---        | PASS    |
|          |         | 2441    | 0.990         | 2440.514 | 2441.504 | ---        | PASS    |
|          |         | 2480    | 0.954         | 2479.538 | 2480.492 | ---        | PASS    |
| 3DH5     | Ant1    | 2402    | 1.284         | 2401.352 | 2402.636 | ---        | PASS    |
|          |         | 2441    | 1.299         | 2440.352 | 2441.651 | ---        | PASS    |
|          |         | 2480    | 1.278         | 2479.355 | 2480.633 | ---        | PASS    |

DH5\_Ant1\_2402



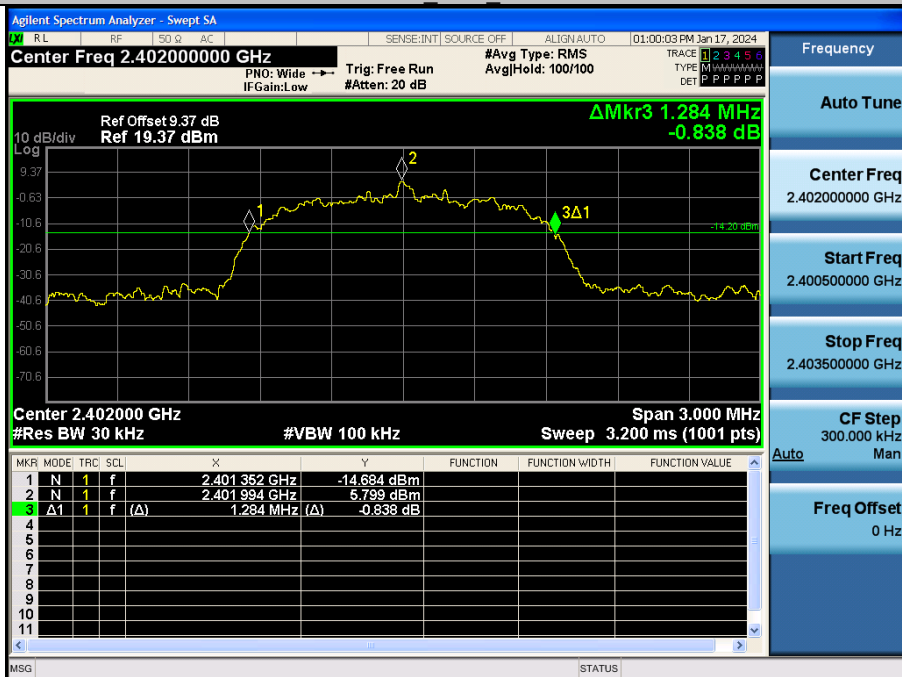
DH5\_Ant1\_2441



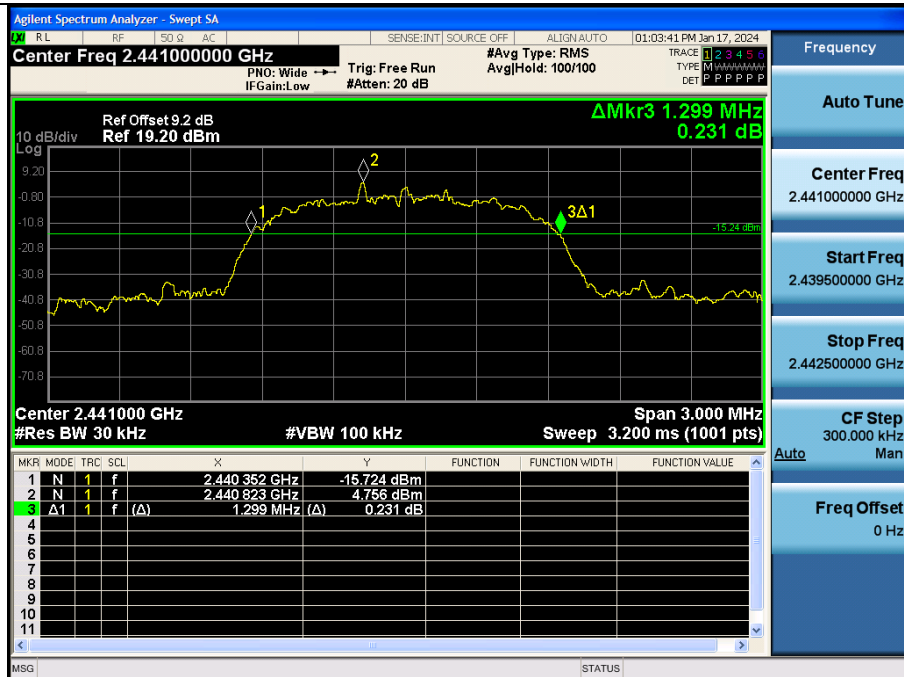
DH5\_Ant1\_2480



3DH5 Ant1 2402



3DH5 Ant1 2441



3DH5 Ant1 2480



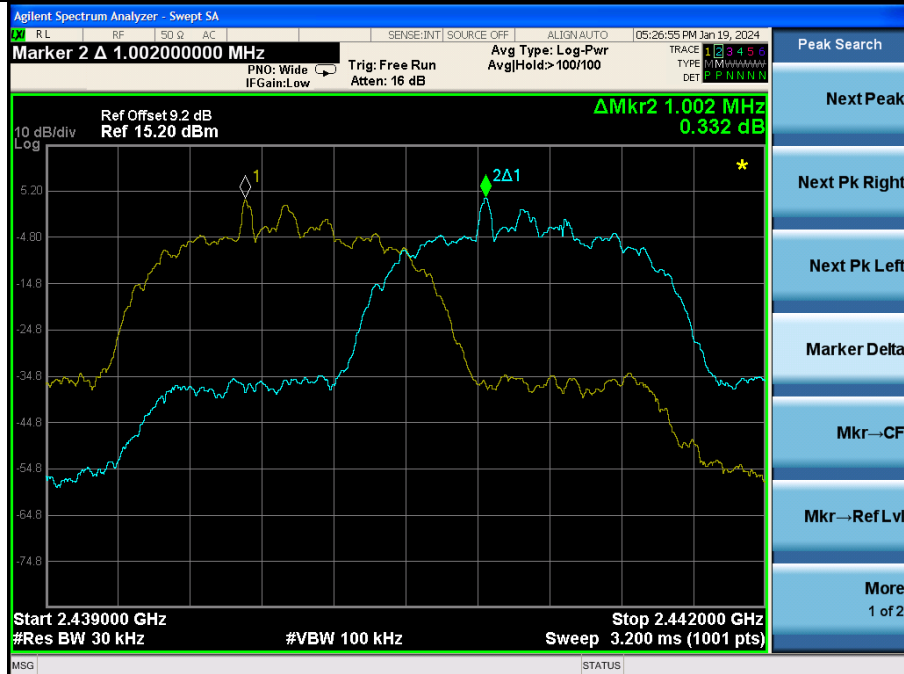
### Appendix B.3: Test Results of Carrier Frequency Separation

| TestMode | Antenna | Channel      | Result[MHz] | Limit[MHz]   | Verdict |
|----------|---------|--------------|-------------|--------------|---------|
| DH5      | Ant1    | Hopping-2402 | 0.996       | $\geq 0.624$ | PASS    |
|          | Ant1    | Hopping-2441 | 0.996       | $\geq 0.660$ | PASS    |
|          | Ant1    | Hopping-2480 | 0.999       | $\geq 0.636$ | PASS    |
| 3DH5     | Ant1    | Hopping-2402 | 1.005       | $\geq 0.856$ | PASS    |
|          | Ant1    | Hopping-2441 | 1.002       | $\geq 0.866$ | PASS    |
|          | Ant1    | Hopping-2480 | 0.999       | $\geq 0.852$ | PASS    |





DH5\_Ant1\_Hop\_2441

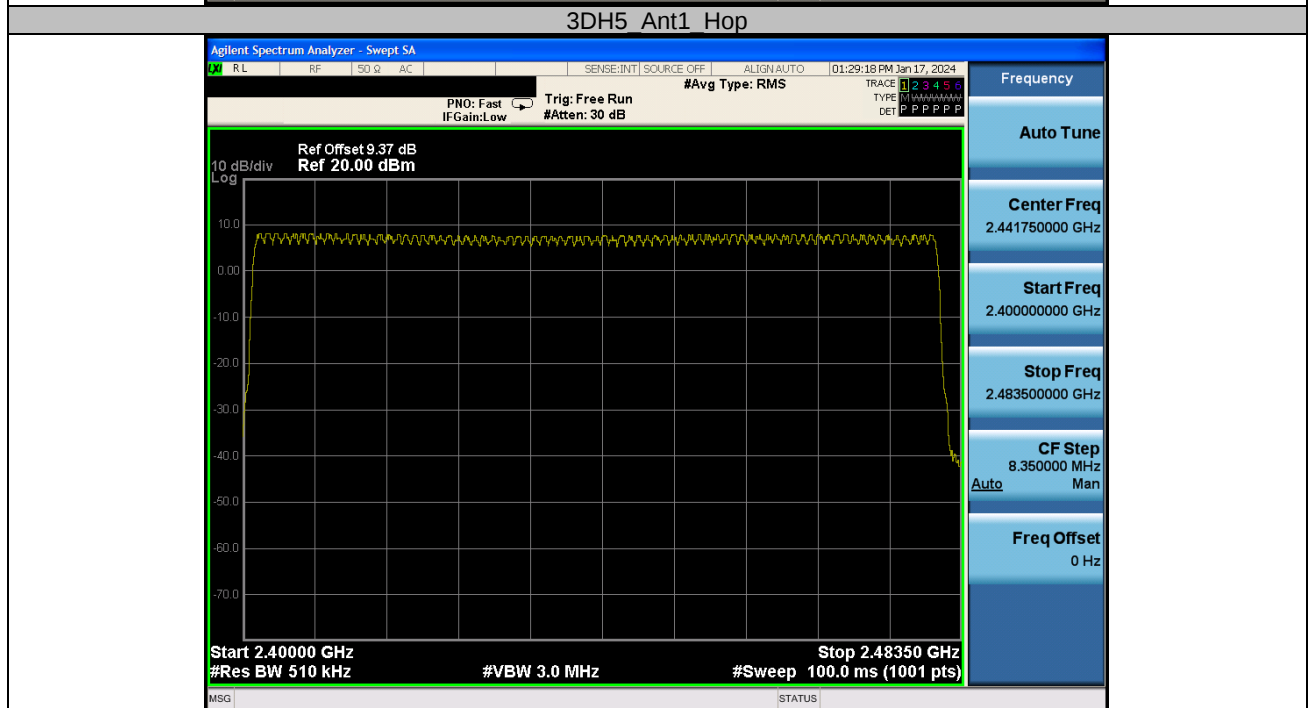
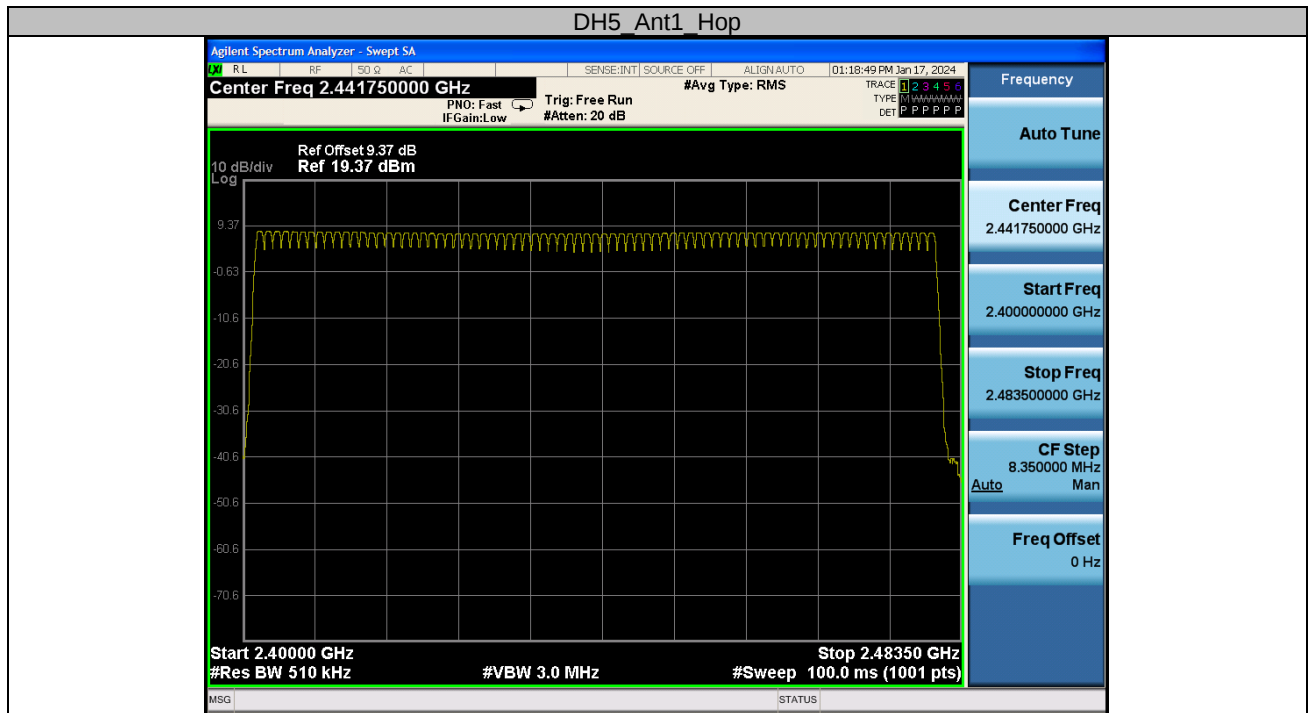


3DH5\_Ant1\_Hop\_2480



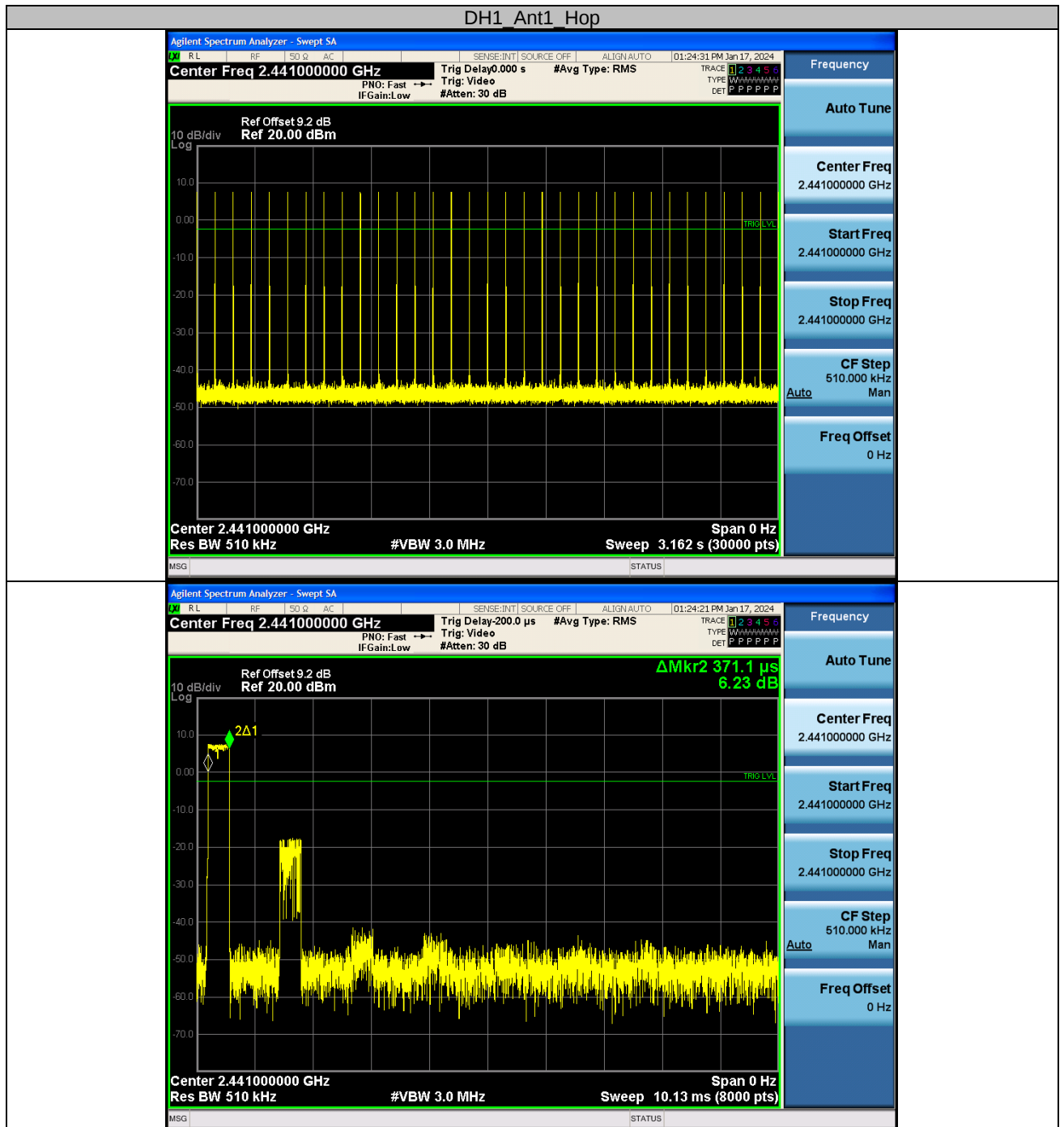
## Appendix B.4: Test Results of Number of Hopping Frequency

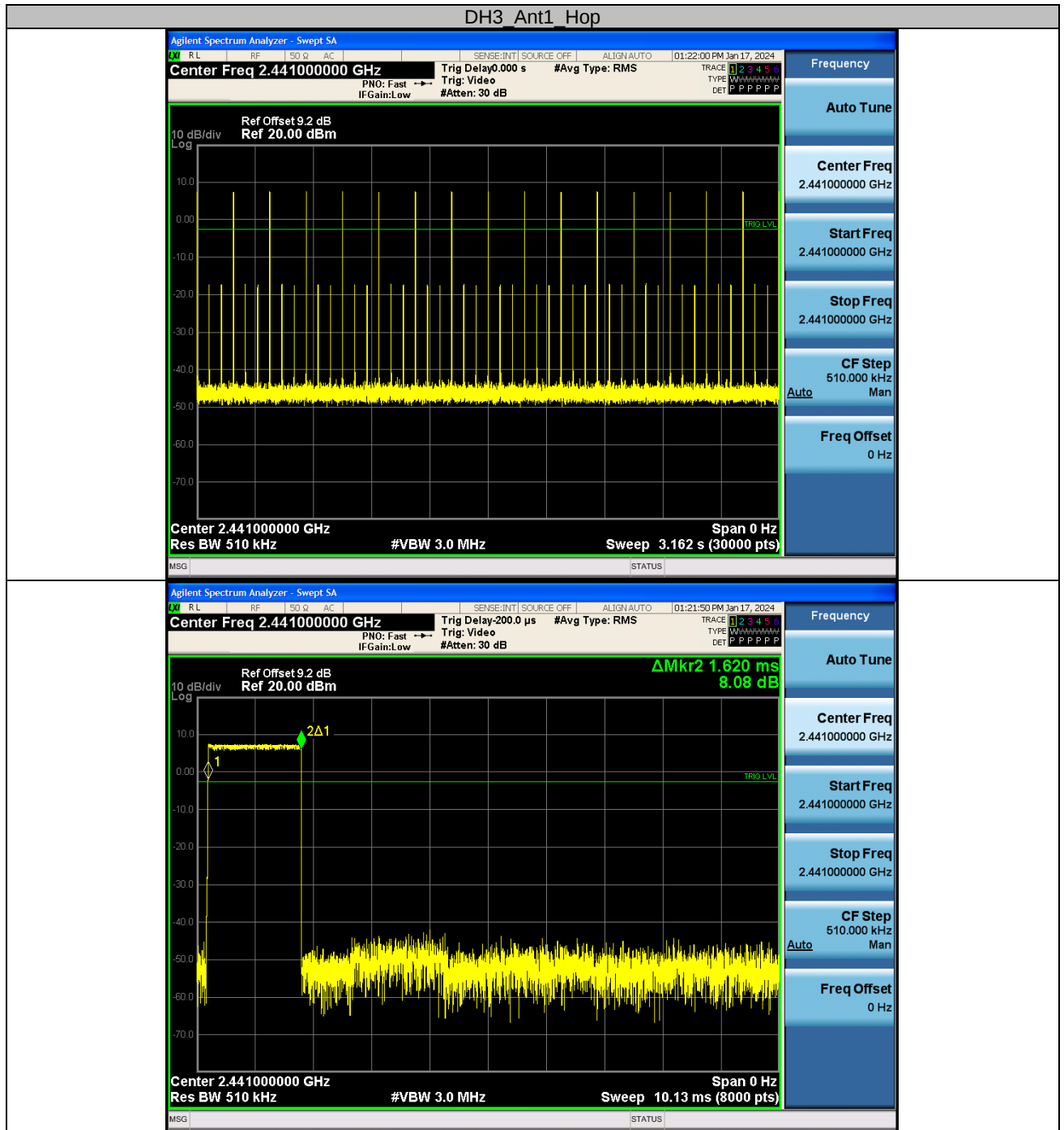
| TestMode | Antenna | Channel | Result[Num] | Limit[Num] | Verdict |
|----------|---------|---------|-------------|------------|---------|
| DH5      | Ant1    | Hop     | 79          | ≥15        | PASS    |
| 3DH5     | Ant1    | Hop     | 79          | ≥15        | PASS    |

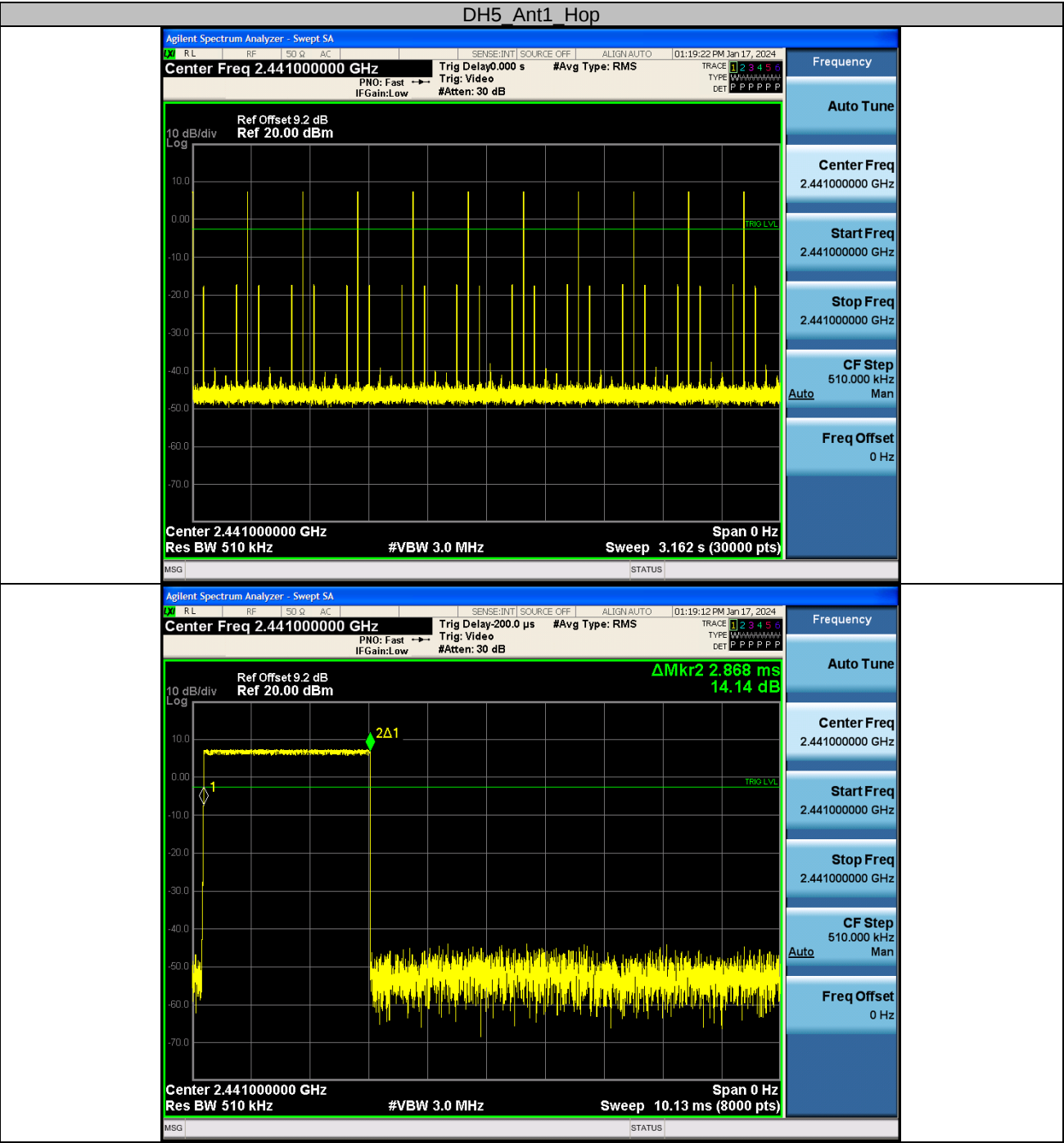


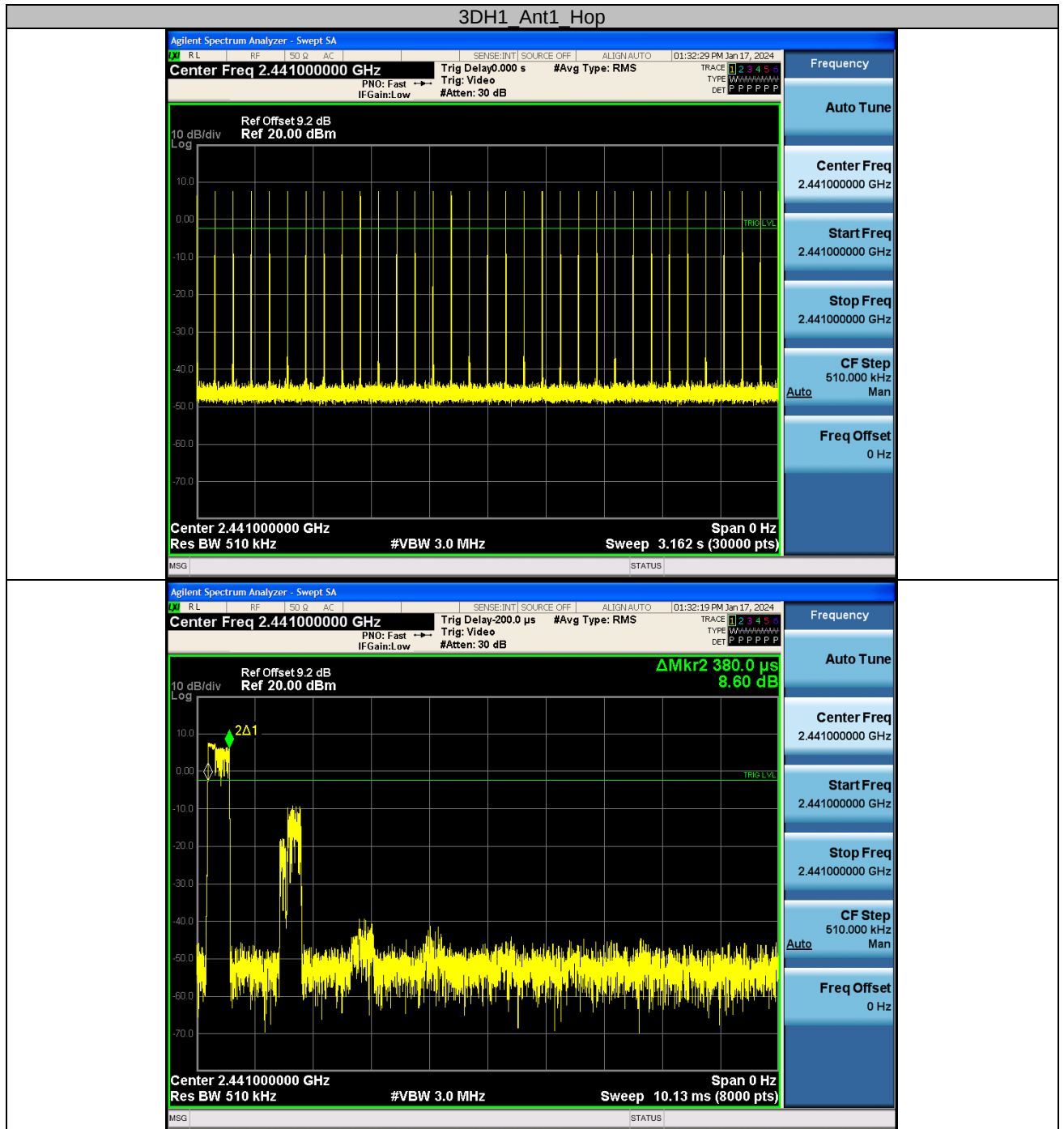
## Appendix B.5: Test Results of Time of Occupancy

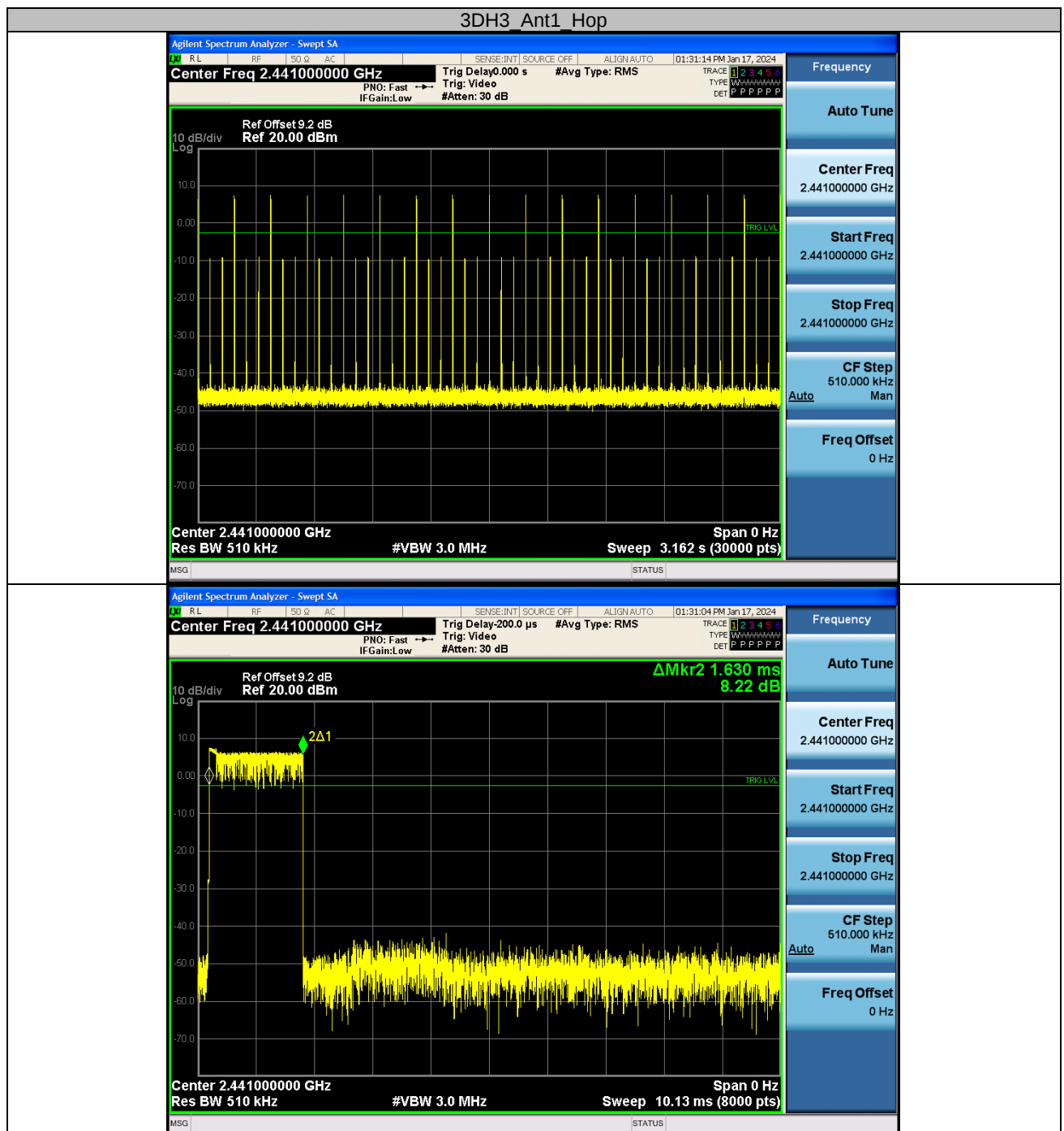
| TestMode | Antenna | Channel | BurstWidth [ms] | TotalHops [Num] | Result[s] | Limit[s] | Verdict |
|----------|---------|---------|-----------------|-----------------|-----------|----------|---------|
| DH1      | Ant1    | Hop     | 0.371           | 320             | 0.119     | ≤0.4     | PASS    |
| DH3      | Ant1    | Hop     | 1.620           | 160             | 0.259     | ≤0.4     | PASS    |
| DH5      | Ant1    | Hop     | 2.868           | 110             | 0.315     | ≤0.4     | PASS    |
| 3DH1     | Ant1    | Hop     | 0.380           | 320             | 0.122     | ≤0.4     | PASS    |
| 3DH3     | Ant1    | Hop     | 1.630           | 160             | 0.261     | ≤0.4     | PASS    |
| 3DH5     | Ant1    | Hop     | 2.880           | 110             | 0.317     | ≤0.4     | PASS    |

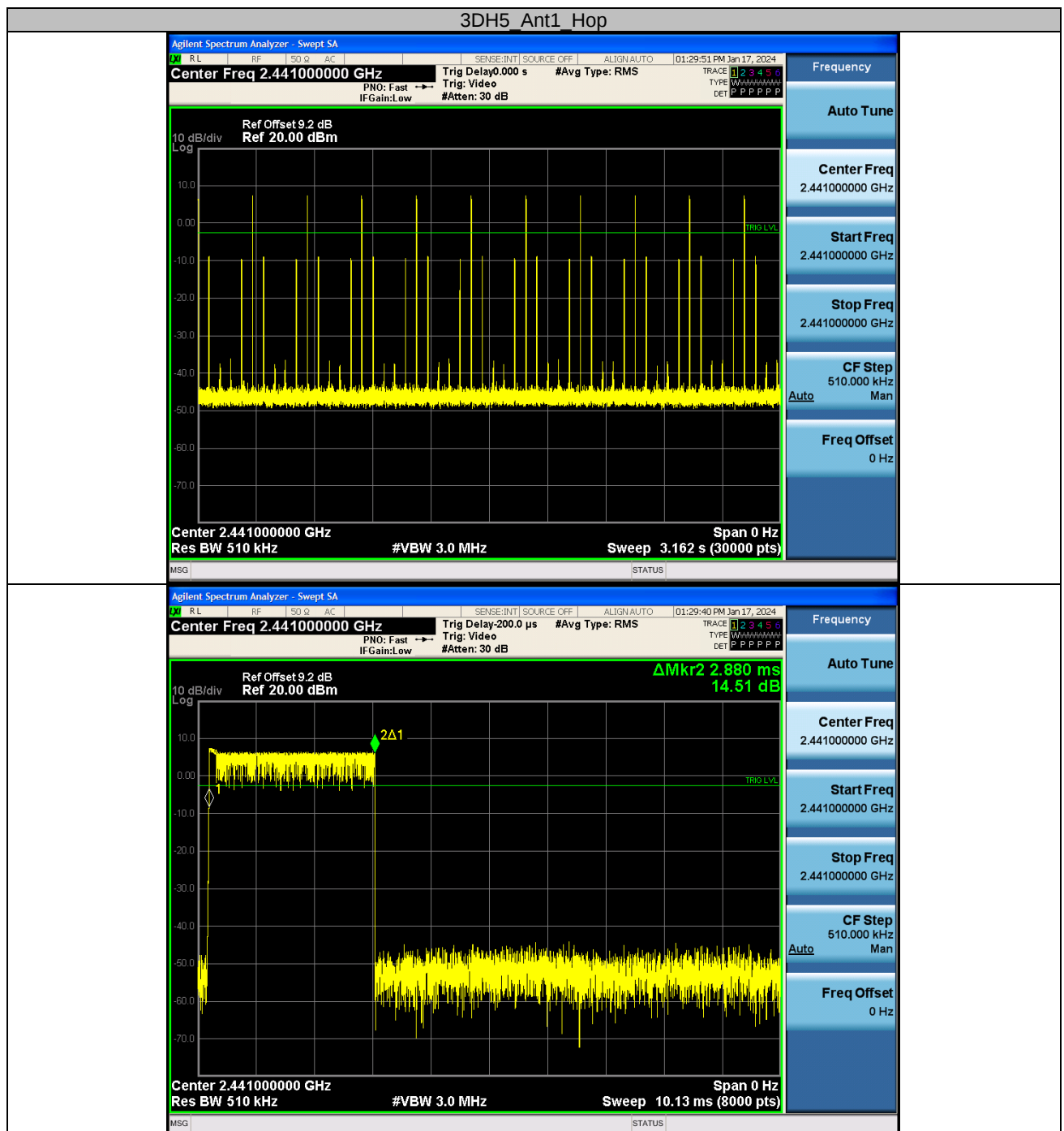








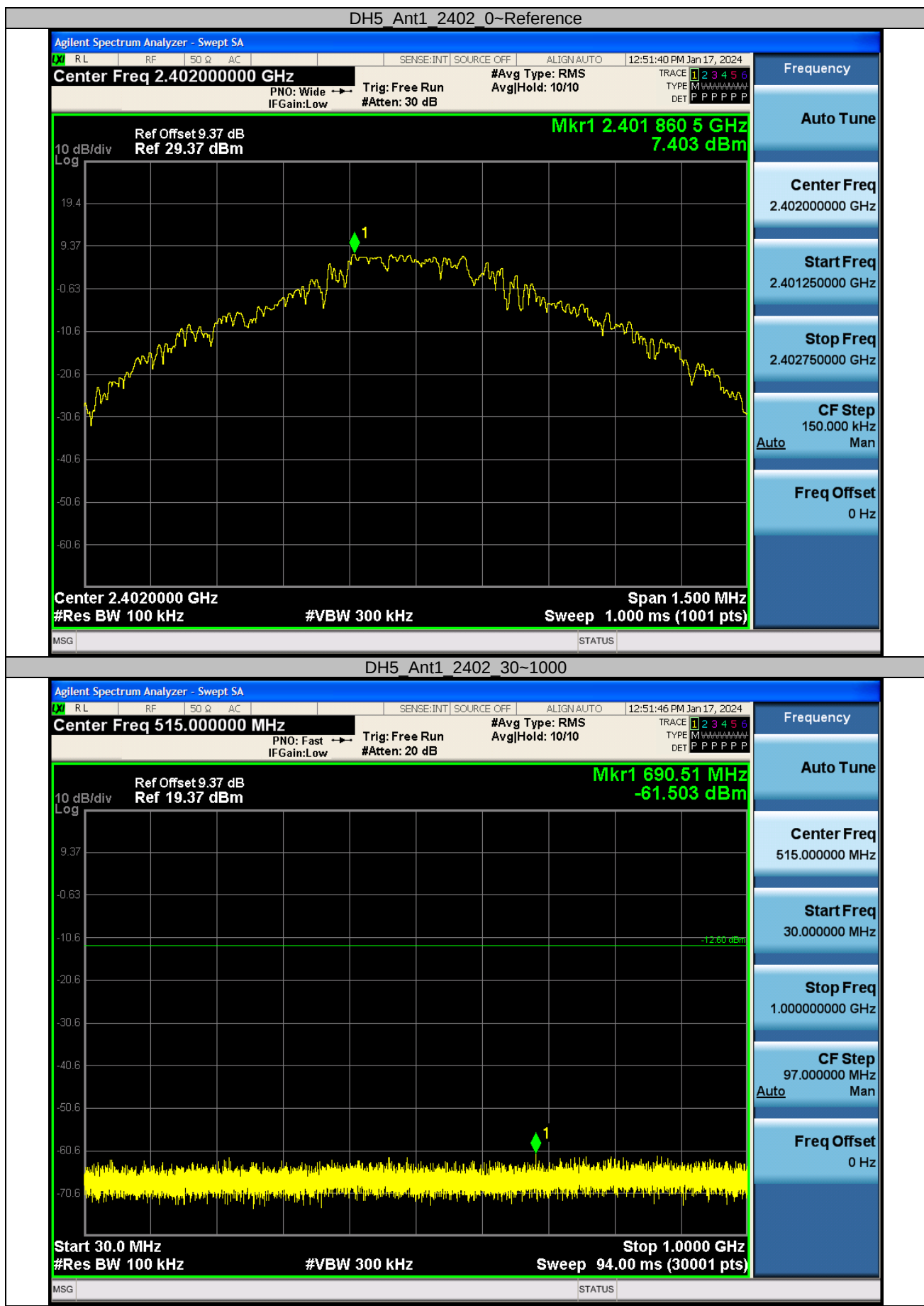


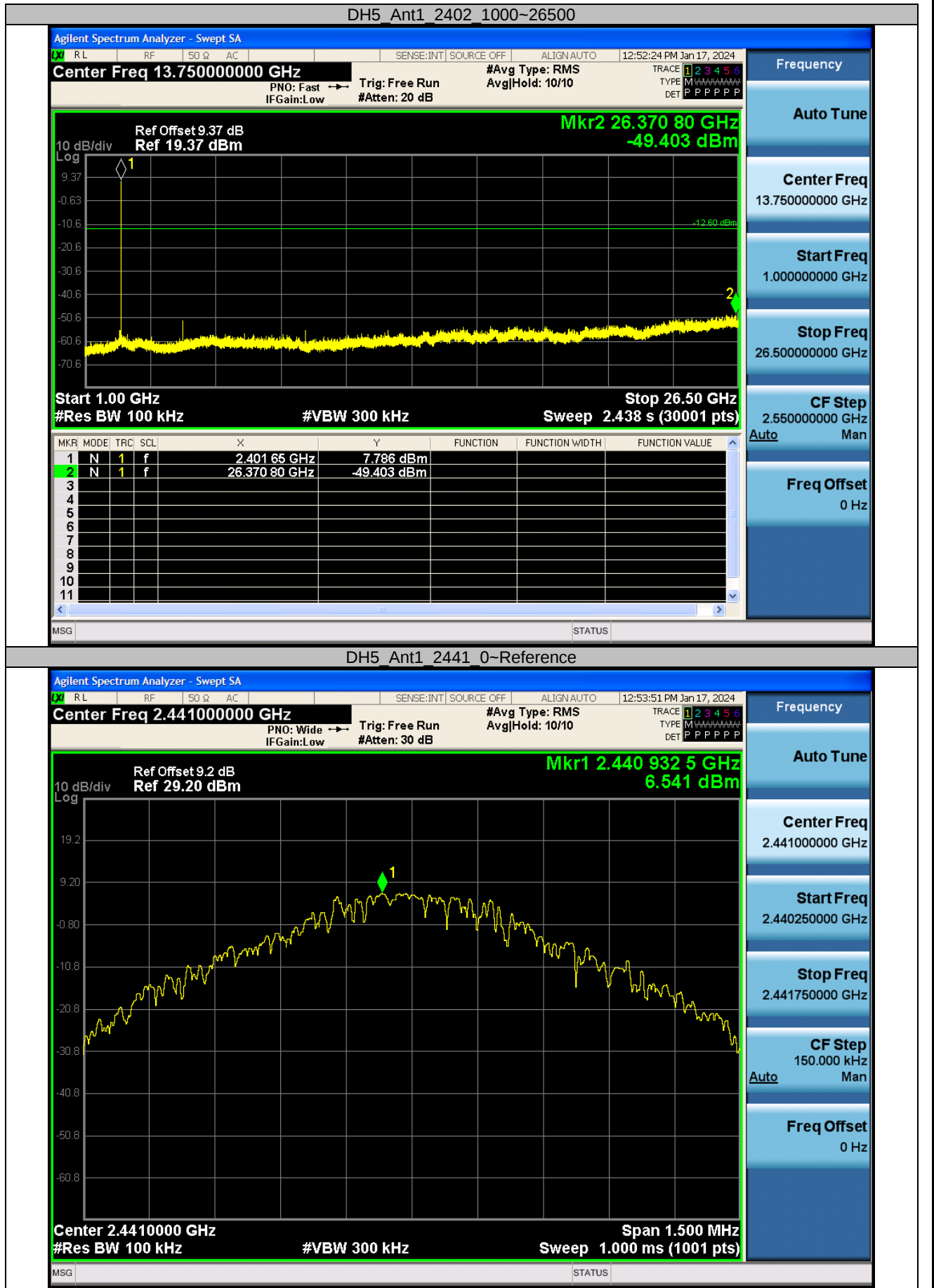


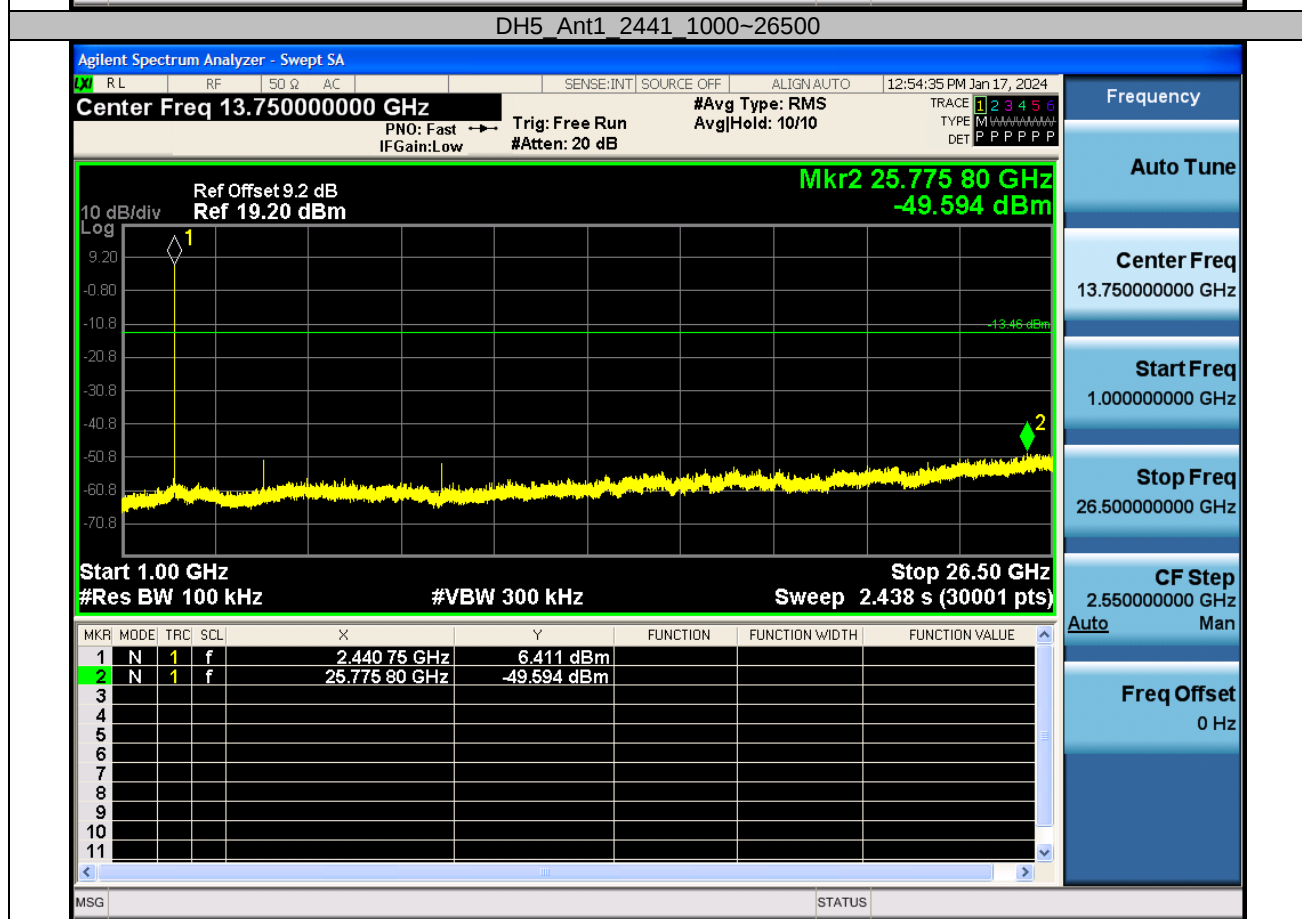
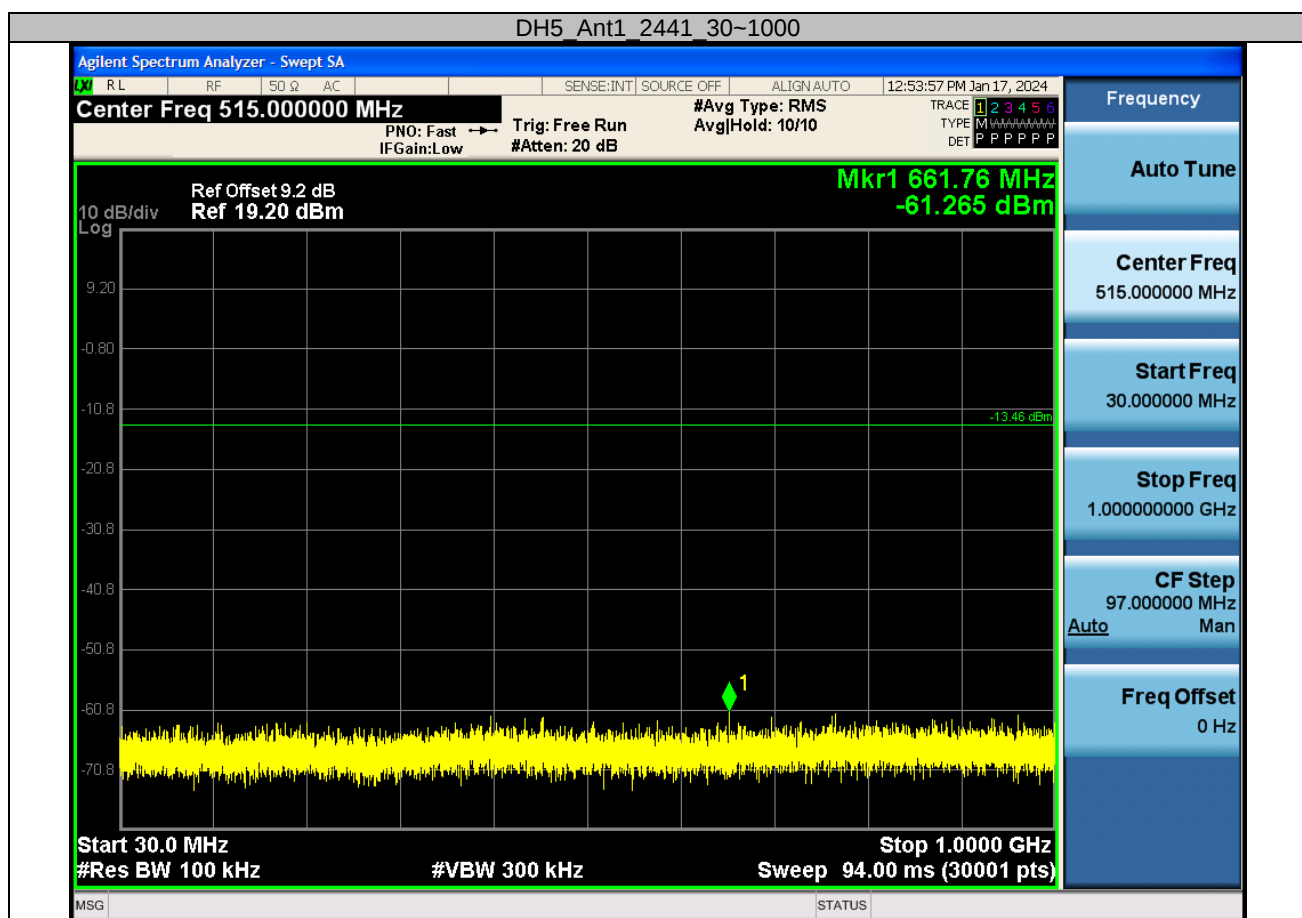
## Appendix B.6: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

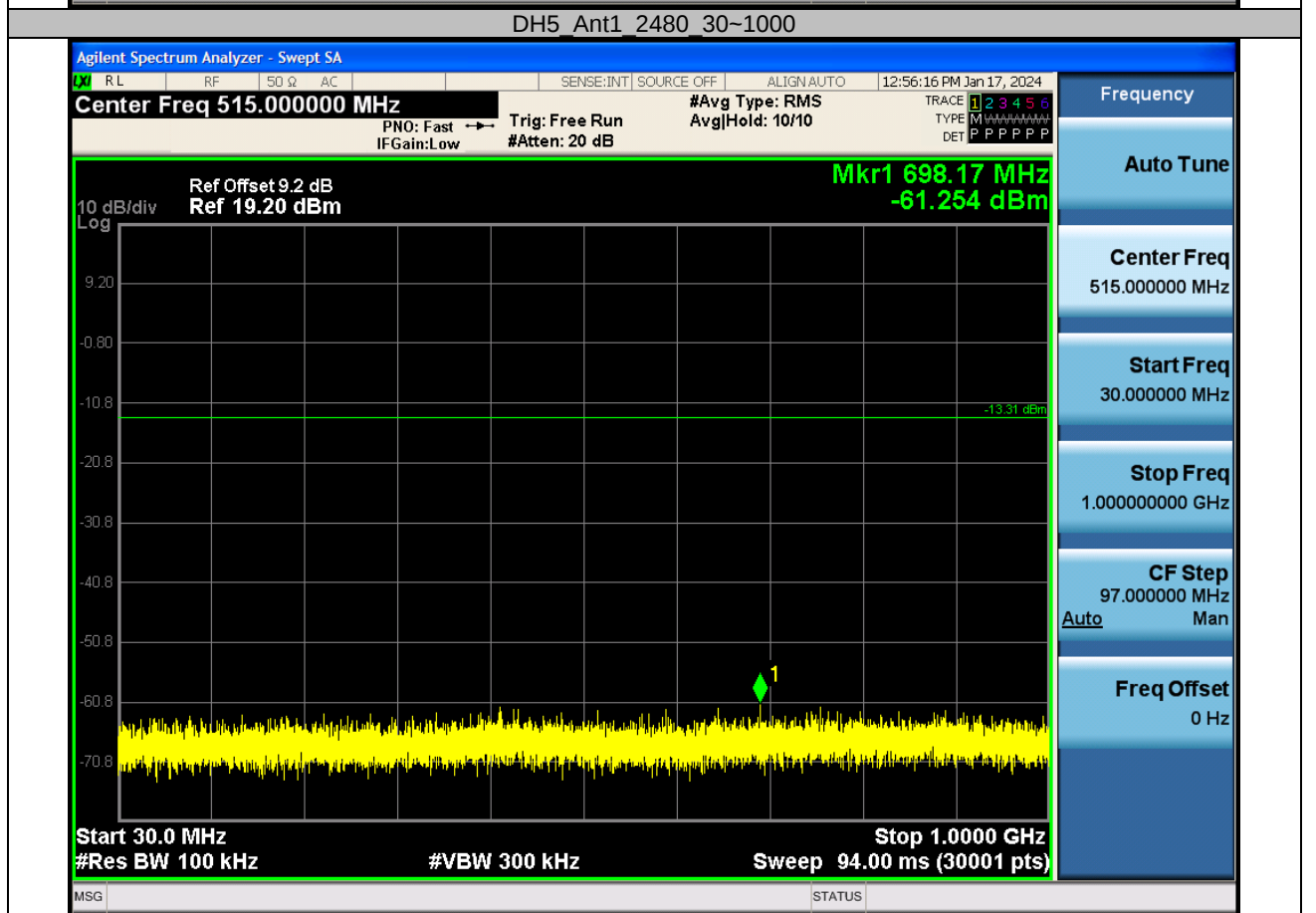
### Conducted Spurious Emission

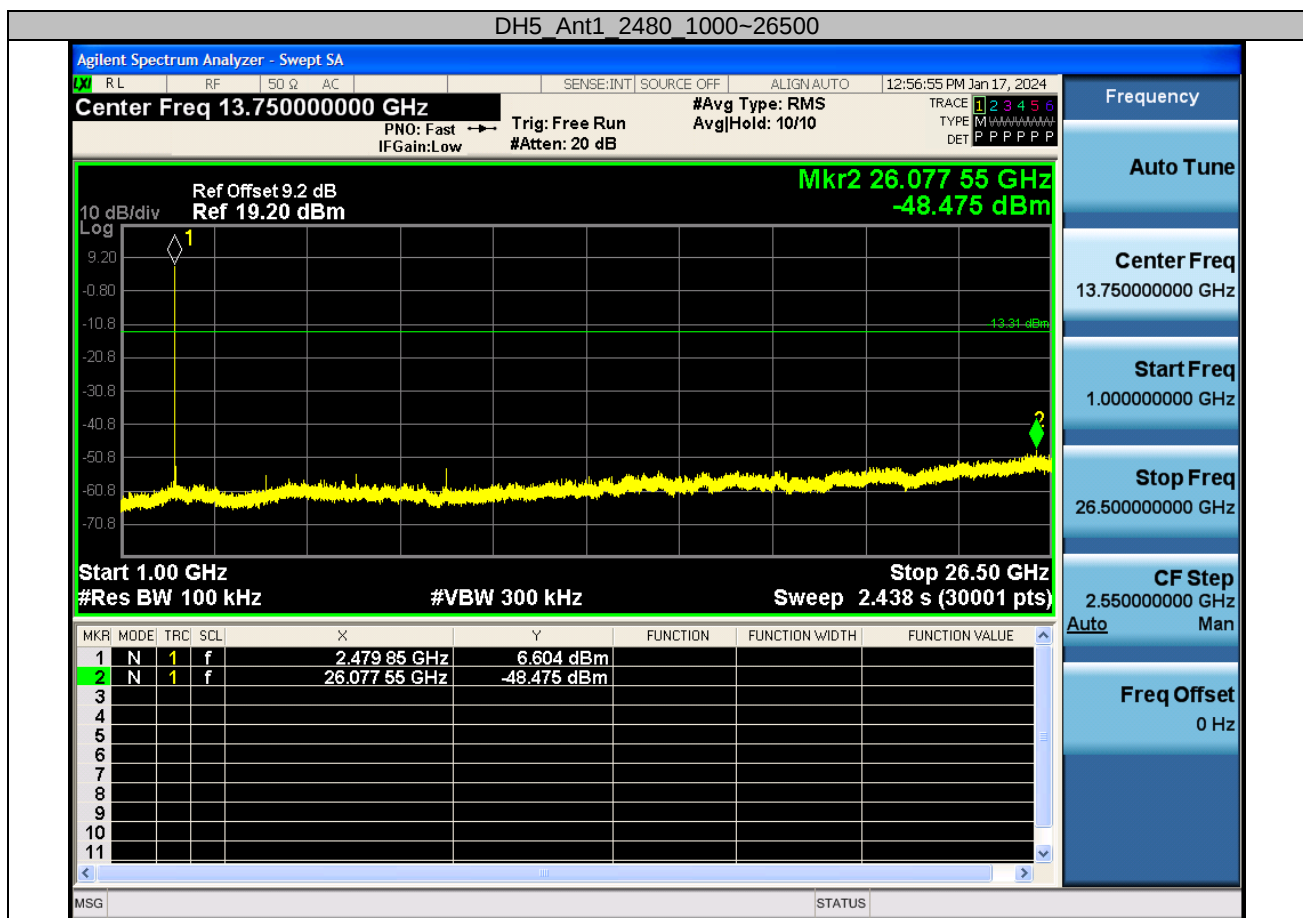
| TestMode | Antenna | Channel | FreqRange [MHz] | Ref Level [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|---------|-----------------|-----------------|--------------|-------------|---------|
| DH5      | Ant1    | 2402    | Reference       | 7.40            |              | ---         | ---     |
|          |         |         | 30~1000         |                 | -61.5        | ≤-12.6      | PASS    |
|          |         |         | 1000~26500      |                 | -49.4        | ≤-12.6      | PASS    |
|          |         | 2441    | Reference       | 6.54            |              | ---         | PASS    |
|          |         |         | 30~1000         |                 | -61.27       | ≤-13.46     | PASS    |
|          |         |         | 1000~26500      |                 | -49.59       | ≤-13.46     | PASS    |
|          |         | 2480    | Reference       | 6.69            |              | ---         | ---     |
|          |         |         | 30~1000         |                 | -61.25       | ≤-13.31     | PASS    |
|          |         |         | 1000~26500      |                 | -48.48       | ≤-13.31     | PASS    |
| 3DH5     | Ant1    | 2402    | Reference       | 6.96            |              | ---         | ---     |
|          |         |         | 30~1000         |                 | -61.07       | ≤-13.04     | PASS    |
|          |         |         | 1000~26500      |                 | -49.39       | ≤-13.04     | PASS    |
|          |         | 2441    | Reference       | 3.96            |              | ---         | ---     |
|          |         |         | 30~1000         |                 | -61.07       | ≤-13.04     | PASS    |
|          |         |         | 1000~26500      |                 | -49.39       | ≤-13.04     | PASS    |
|          |         | 2480    | Reference       | 3.24            |              | ---         | ---     |
|          |         |         | 30~1000         |                 | -61.24       | ≤-16.76     | PASS    |
|          |         |         | 1000~26500      |                 | -49.41       | ≤-16.76     | PASS    |

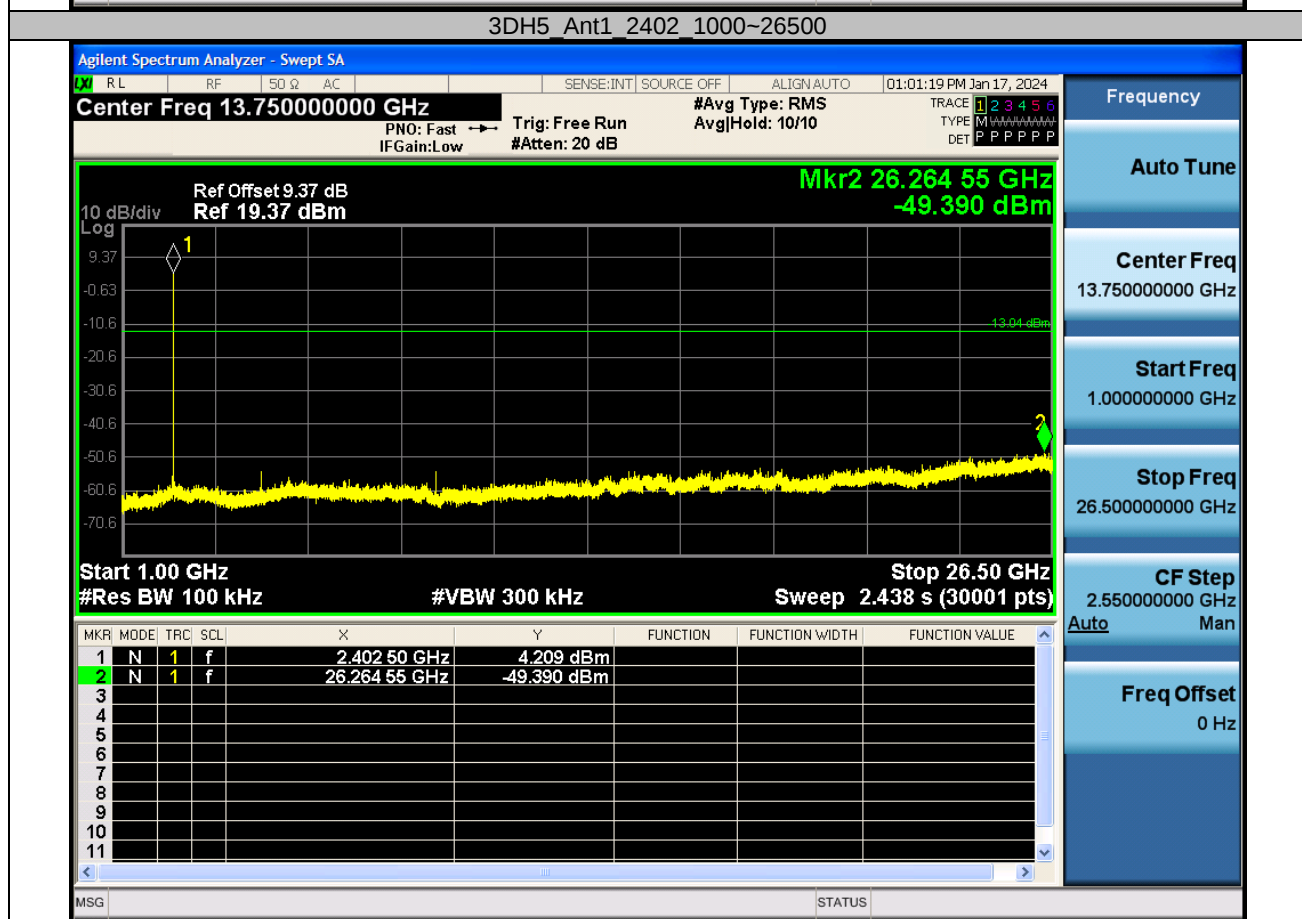
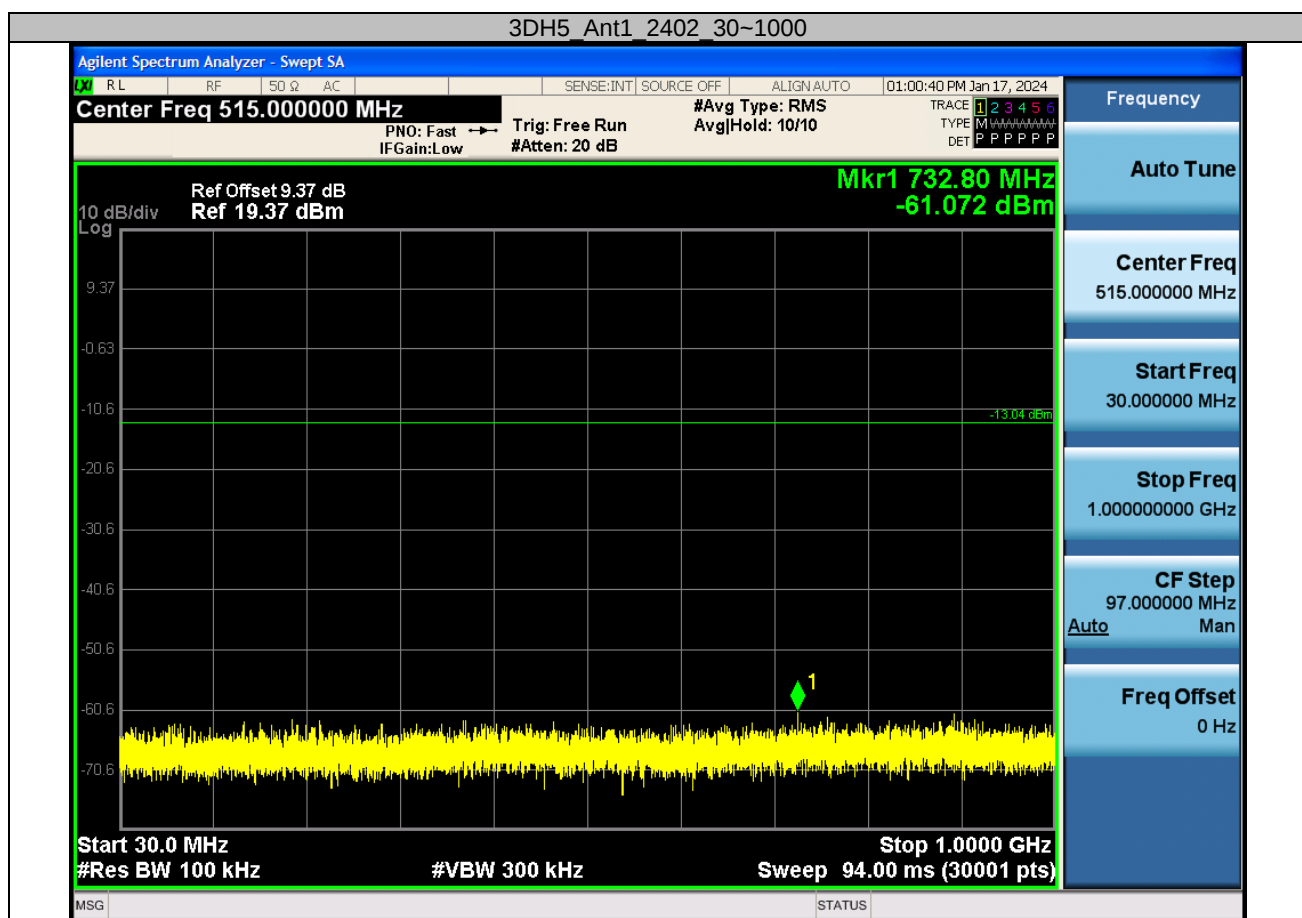


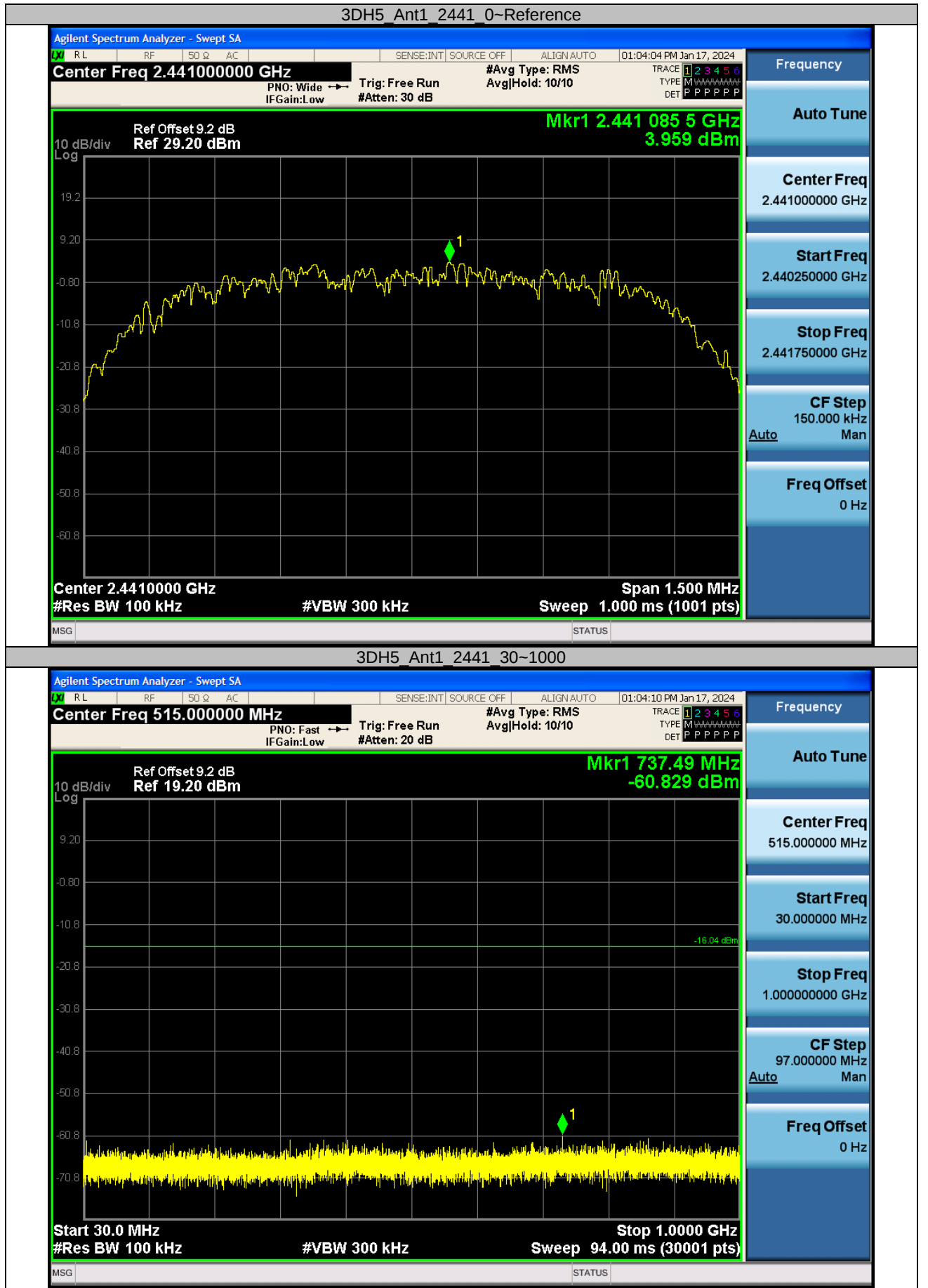


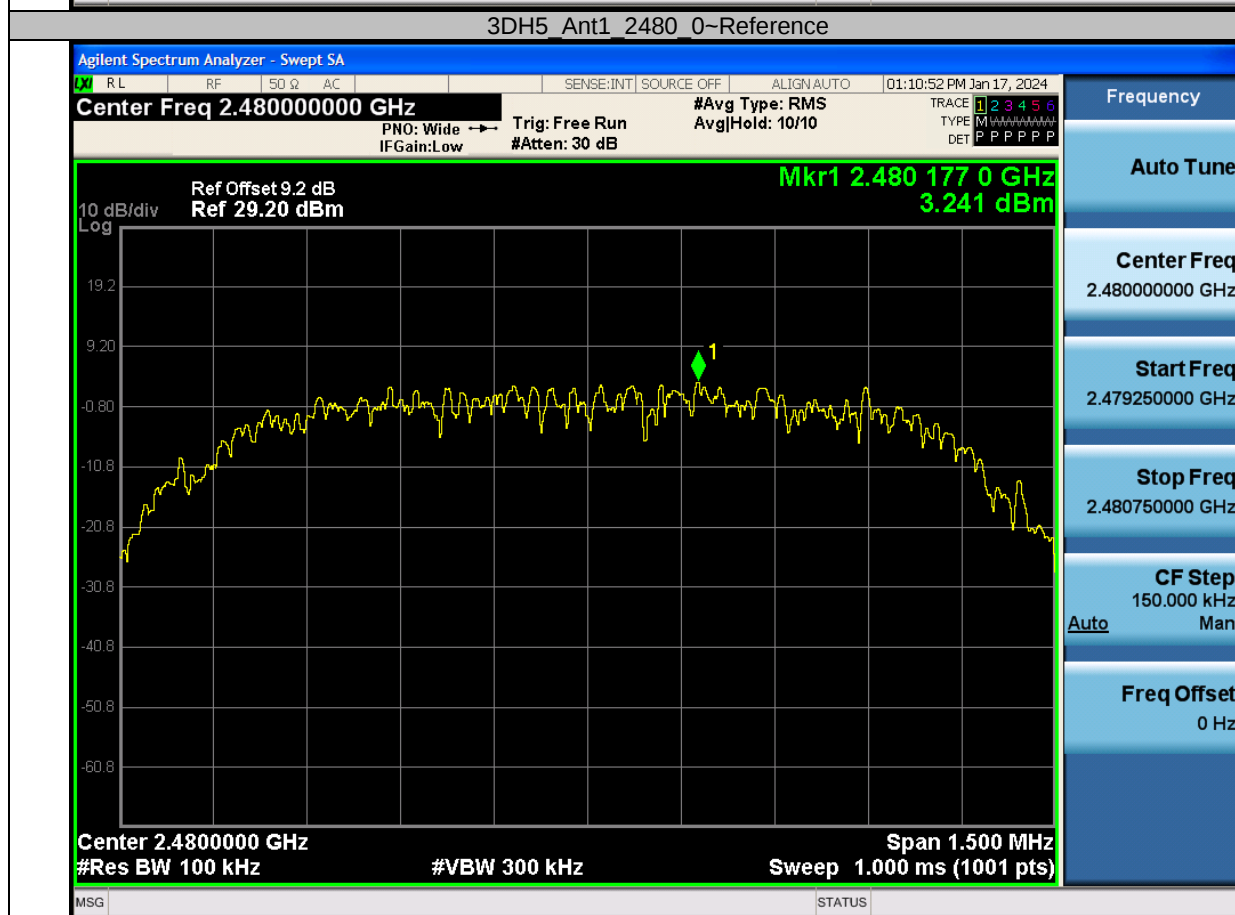
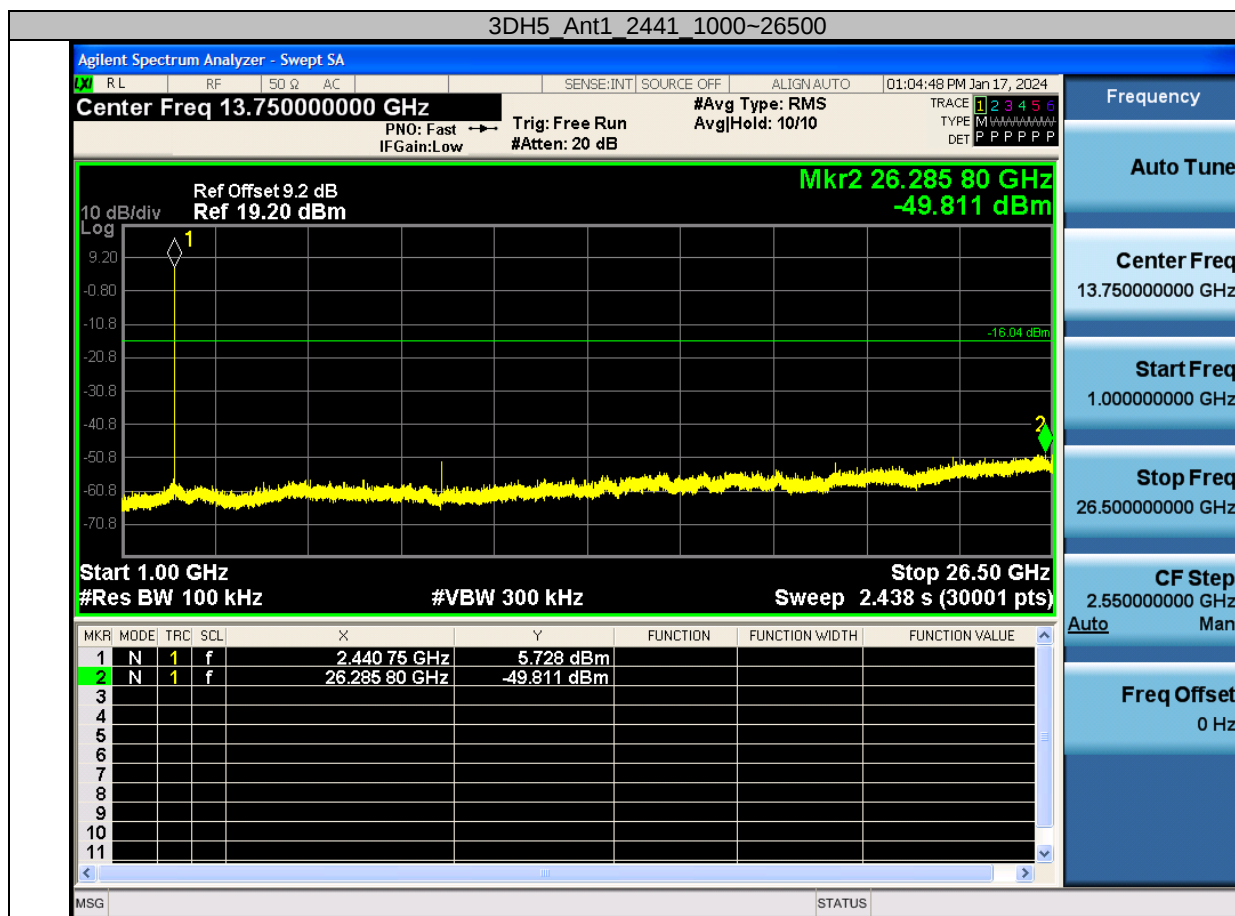


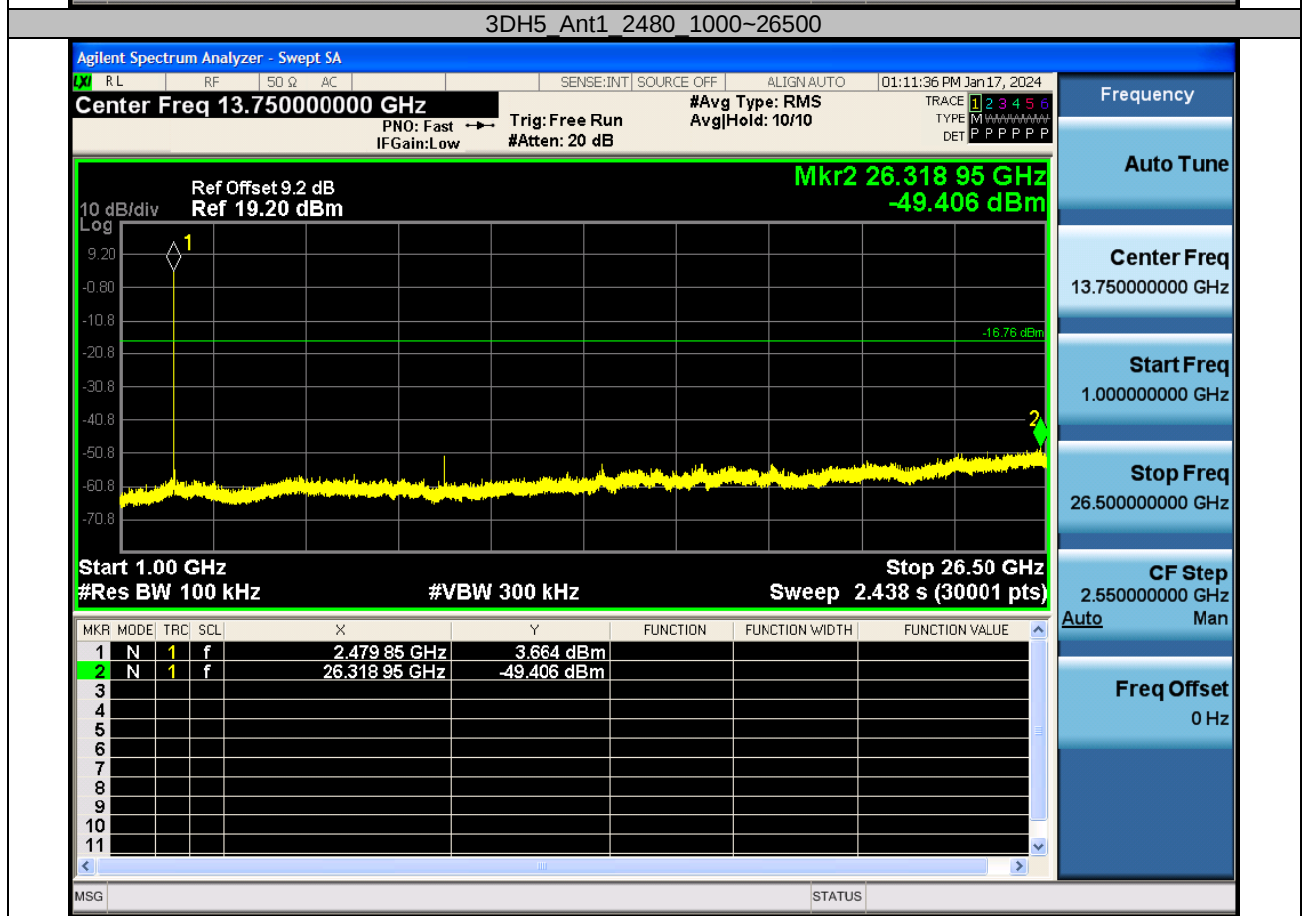
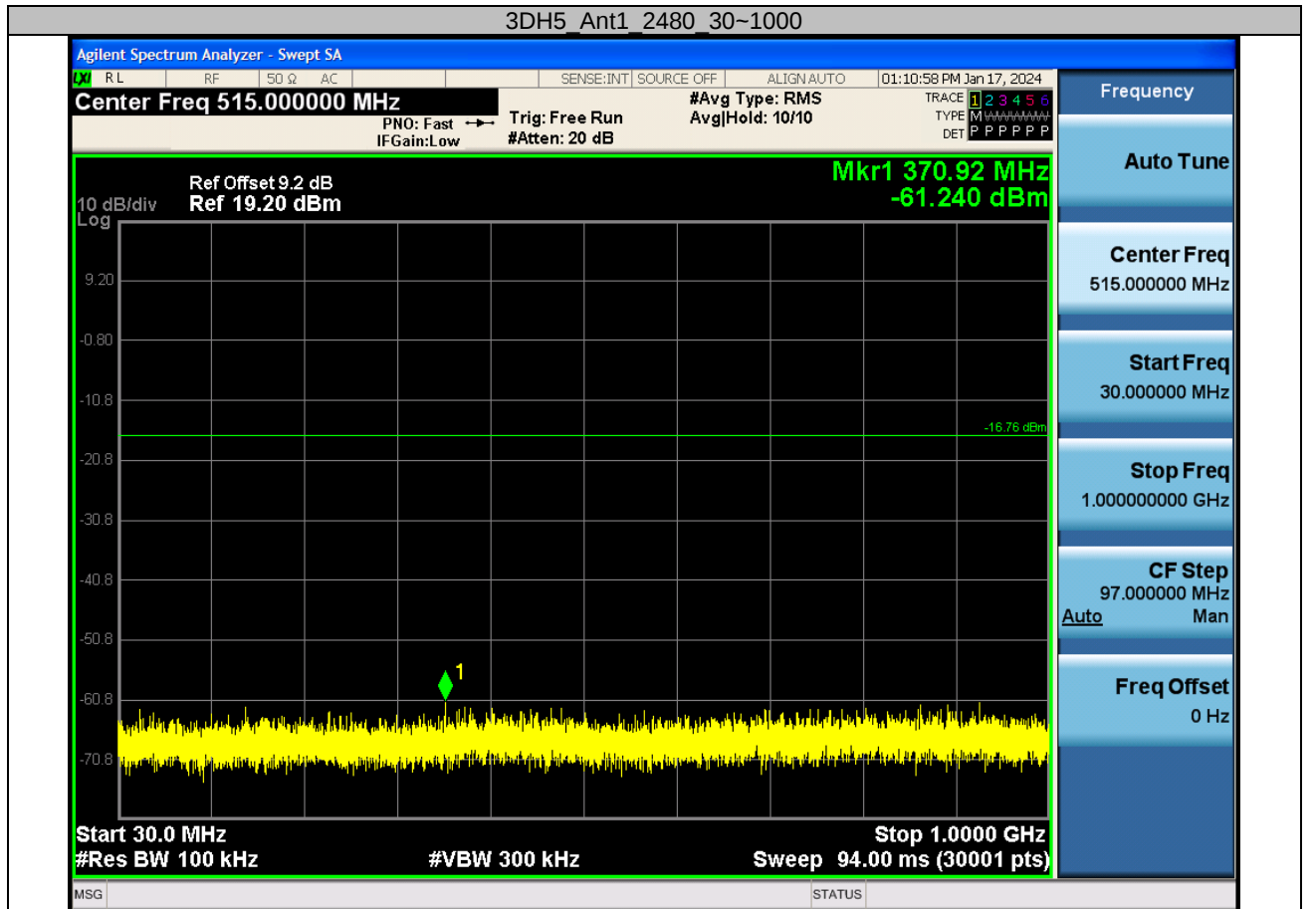








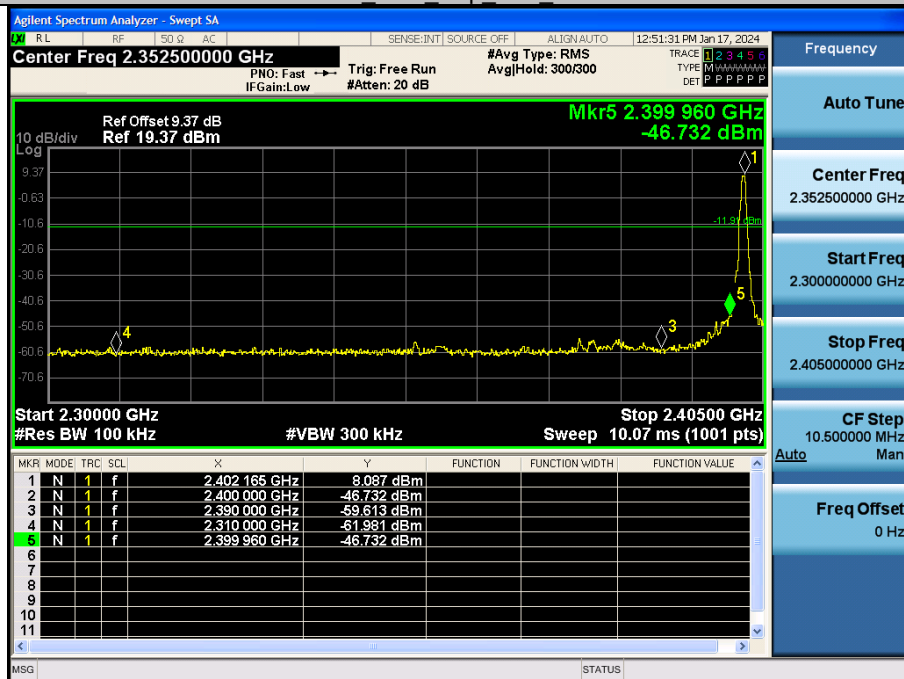




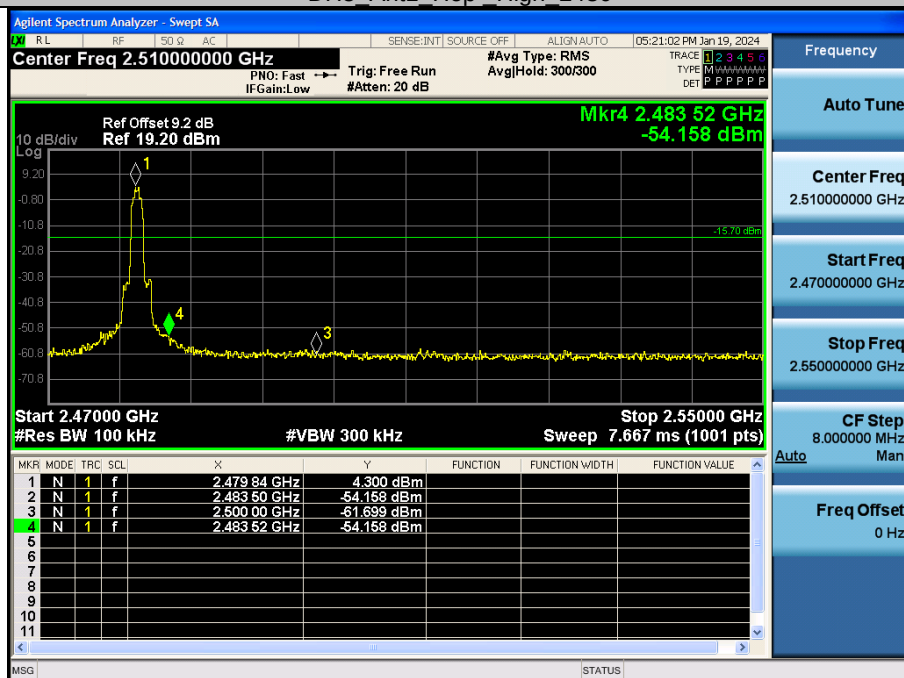
### Band Edge

| TestMode | Antenna | ChName | Channel  | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|--------|----------|----------------|--------------|-------------|---------|
| DH5      | Ant1    | Low    | 2402     | 8.09           | -46.73       | ≤-11.91     | PASS    |
|          |         | High   | 2480     | 7.54           | -50.33       | ≤-12.46     | PASS    |
|          |         | Low    | Hop 2402 | 7.38           | -55.34       | ≤-12.62     | PASS    |
|          |         | High   | Hop 2480 | 6.97           | -49.74       | ≤-13.03     | PASS    |
| 3DH5     | Ant1    | Low    | 2402     | 8.08           | -48.32       | ≤-11.92     | PASS    |
|          |         | High   | 2480     | 7.50           | -51.98       | ≤-12.5      | PASS    |
|          |         | Low    | Hop 2402 | 7.55           | -49.18       | ≤-12.45     | PASS    |
|          |         | High   | Hop 2480 | -0.30          | -48.67       | ≤-20.30     | PASS    |

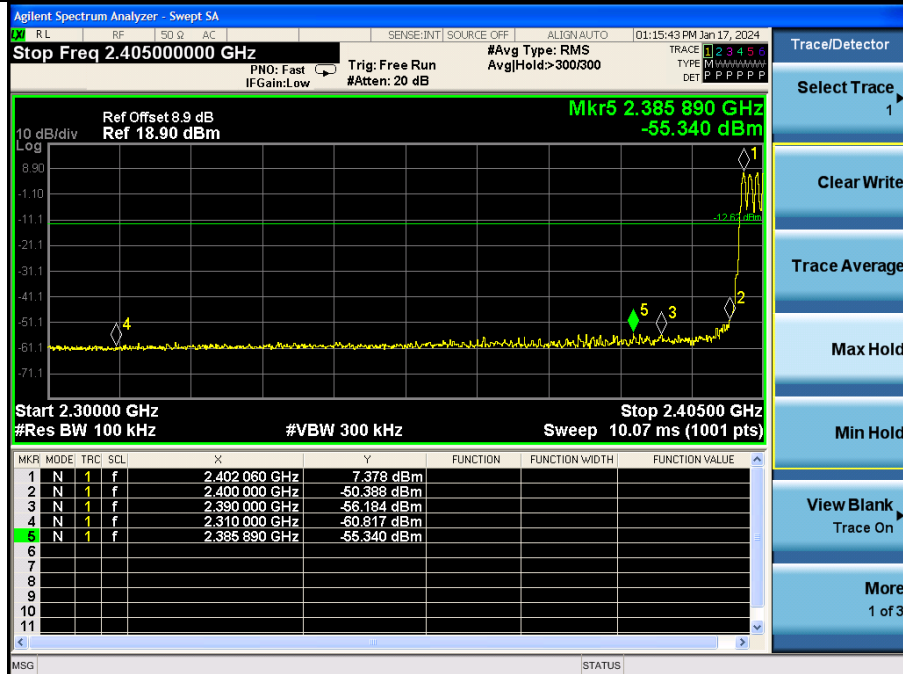
#### DH5 Ant1 Hop Low 2402



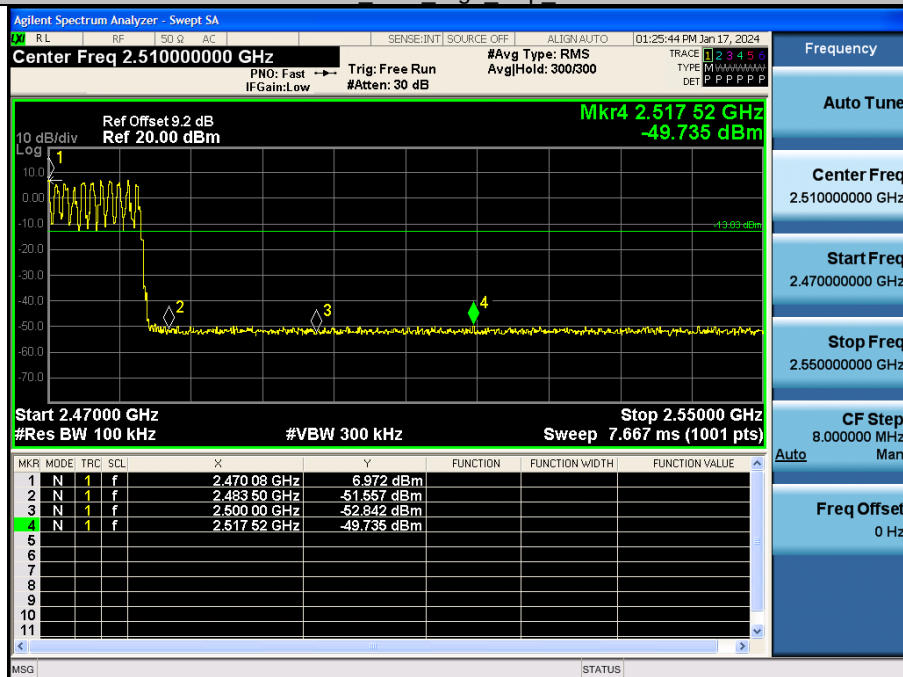
#### DH5 Ant1 Hop High 2480

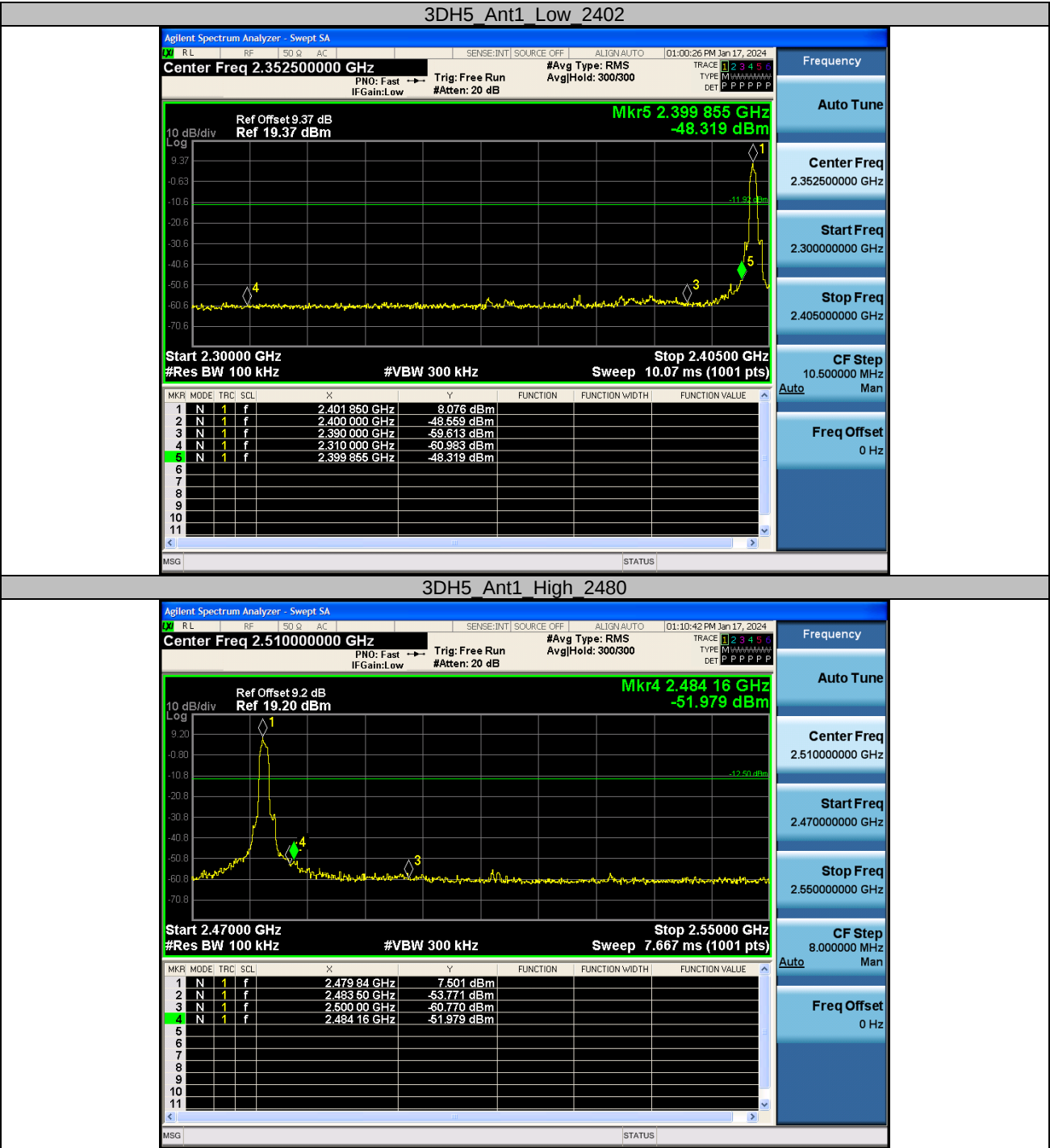


### DH5 Ant1 Low Hop 2402

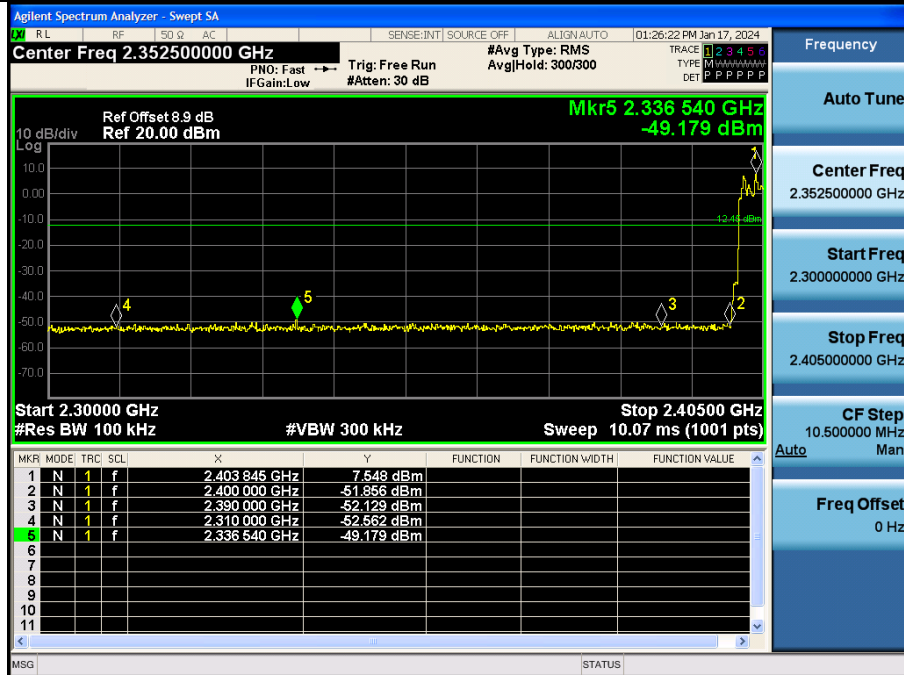


### DH5 Ant1 High Hop 2480

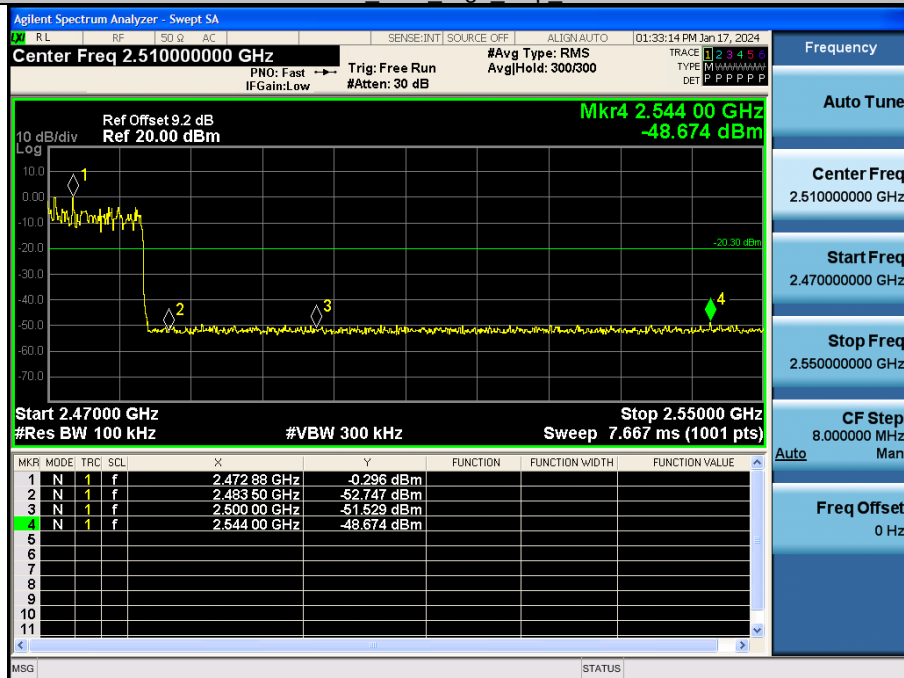




3DH5\_Ant1\_Low\_Hop\_2402



3DH5\_Ant1\_High\_Hop\_2480



Note: Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

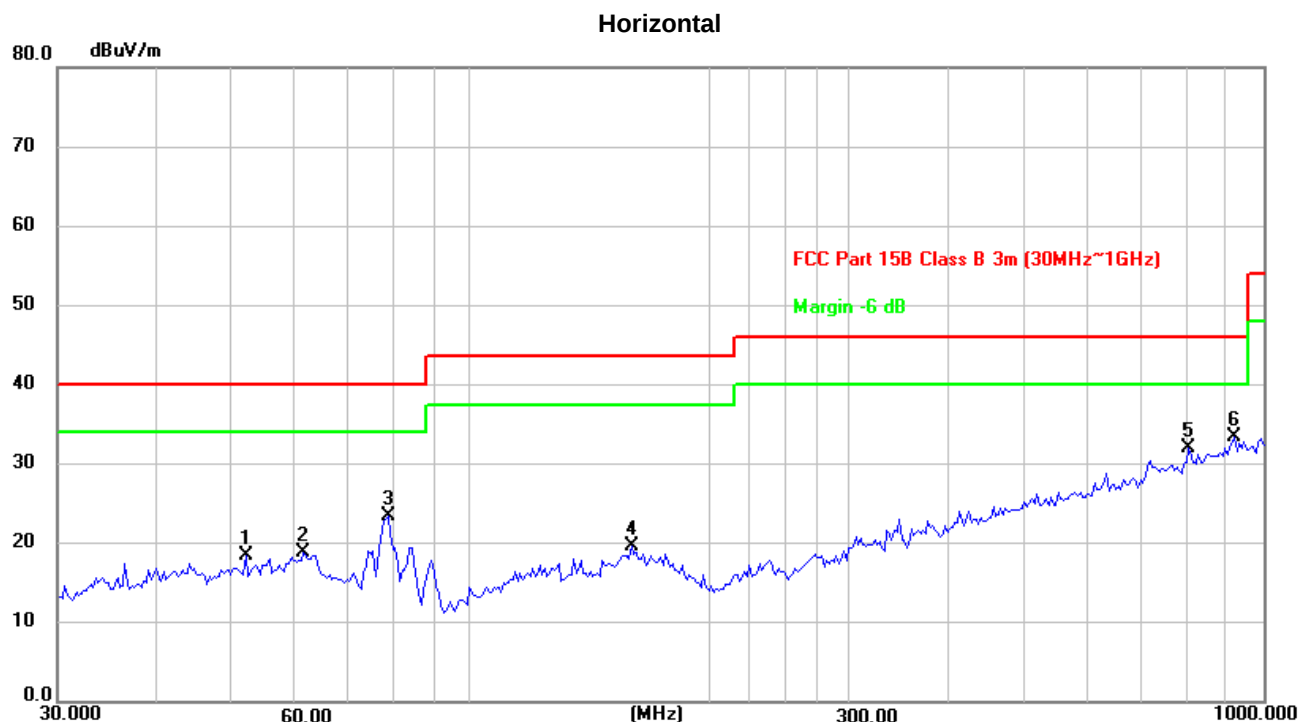
## Appendix B.7: Test Results of Radiated Spurious Emissions

Note: This testing was carried out on different modulations, but only the worst case was presented in this report.

30MHz - 1GHz

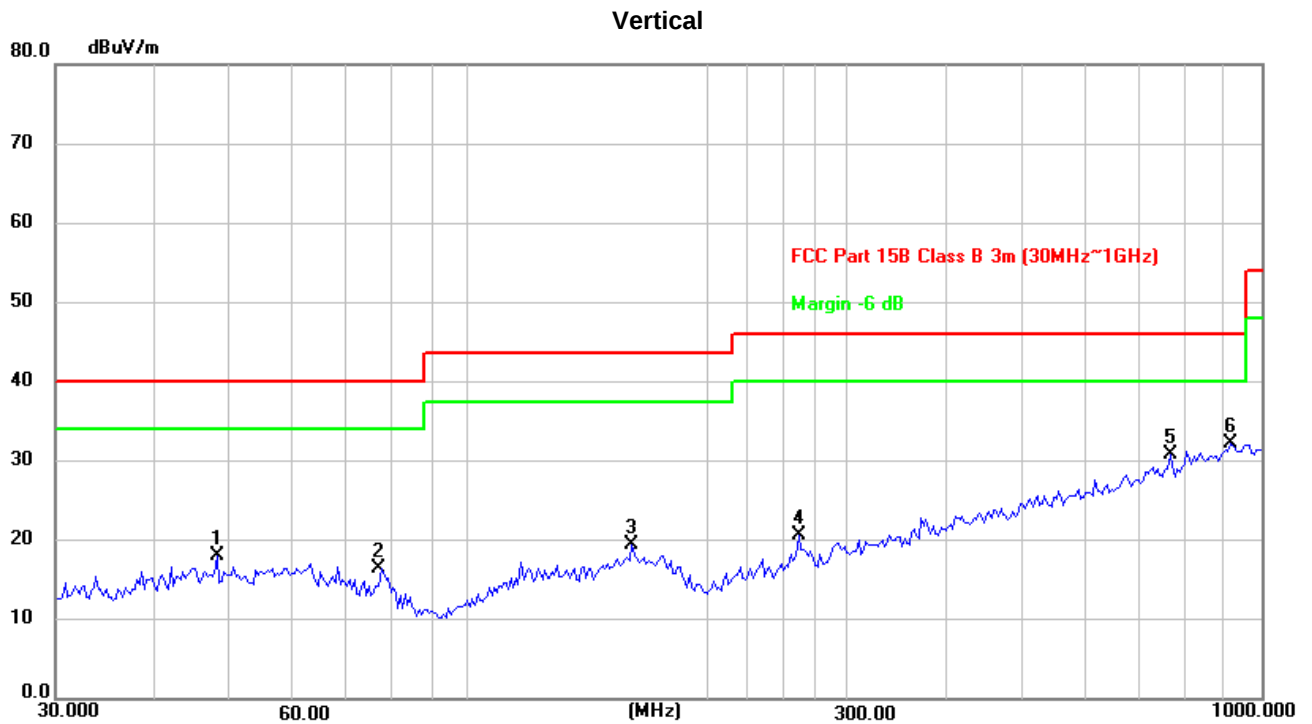
### EUT Information

EUT Name: 2.4GHz Digital Wireless Headphone  
Model: BH1080J  
Test Mode: BR\_DH5\_Hop  
Test Voltage:: DC 2.4V From battery (2\*1.2V"AAA")  
Remark: Temp 24 Humi: 37%  
Test Standard: FCC 15.247  
Tested By: Hua  
Reviewed By: Scott He



### Critical\_Freqs

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (deg) |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|-------------|---------------|
| 1   | 51.8430         | 33.39          | -15.02        | 18.37          | 40.00          | -21.63      | peak | 100         | 0             |
| 2   | 61.3463         | 34.02          | -15.22        | 18.80          | 40.00          | -21.20      | peak | 100         | 0             |
| 3   | 78.4133         | 41.60          | -18.21        | 23.39          | 40.00          | -16.61      | peak | 100         | 0             |
| 4   | 159.2251        | 32.70          | -13.13        | 19.57          | 43.50          | -23.93      | peak | 100         | 0             |
| 5   | 804.6028        | 32.39          | -0.40         | 31.99          | 46.00          | -14.01      | peak | 100         | 0             |
| 6   | 919.2866        | 31.71          | 1.71          | 33.42          | 46.00          | -12.58      | peak | 100         | 0             |



### Critical\_Freqs

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (deg) |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|-------------|---------------|
| 1   | 47.9940         | 33.22          | -15.15        | 18.07          | 40.00          | -21.93      | peak |             |               |
| 2   | 77.3210         | 34.58          | -18.10        | 16.48          | 40.00          | -23.52      | peak |             |               |
| 3   | 160.3456        | 32.60          | -13.09        | 19.51          | 43.50          | -23.99      | peak |             |               |
| 4   | 260.1444        | 35.51          | -14.80        | 20.71          | 46.00          | -25.29      | peak |             |               |
| 5   | 766.0571        | 32.35          | -1.53         | 30.82          | 46.00          | -15.18      | peak |             |               |
| 6   | 912.8620        | 30.69          | 1.62          | 32.31          | 46.00          | -13.69      | peak |             |               |

1GHz - 18GHz

Note: The highest waveform in the figure is Bluetooth Fundamental.

## EUT Information

EUT Name: 2.4GHz Digital Wireless Headphone  
Model: BH1080J  
Test Mode: BR\_DH5\_Low channel  
Test Voltage: DC 2.4V From battery (2\*1.2V"AAA")  
Remark: Temp 24 Humi: 37%  
Test Standard: FCC 15.247  
Tested By: Hua  
Reviewed By: Scott He

### Horizontal

#### Critical\_Freqs(Fundamental frequency)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (deg) |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|-------------|---------------|
| 1   | 2401.954        | 96.74          | -0.39         | 96.35          |                |             | peak | 280         | 43            |
| 2   | 2401.954        | 80.95          | -0.39         | 80.56          |                |             | AVG  | 280         | 43            |

#### Critical\_Freqs(Suprious Emission out of band)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (deg) |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|-------------|---------------|
| 1   | 4804.000        | 45.51          | 5.30          | 50.81          | 74.00          | -23.19      | peak | 247         | 285           |
| 2   | 4804.000        | 35.51          | 5.30          | 40.81          | 54.00          | -13.19      | AVG  | 247         | 285           |
| 3   | 7206.000        | 44.72          | 12.40         | 57.12          | 74.00          | -16.88      | peak | 100         | 294           |
| 4   | 7206.000        | 34.73          | 12.40         | 47.13          | 54.00          | -6.87       | AVG  | 100         | 294           |

### Vertical

#### Critical\_Freqs(Fundamental frequency)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (deg) |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|-------------|---------------|
| 1   | 2402.335        | 103.76         | -0.39         | 103.37         |                |             | peak | 159         | 209           |
| 2   | 2402.335        | 86.59          | -0.39         | 86.20          |                |             | AVG  | 159         | 209           |

#### Critical\_Freqs(Suprious Emission out of band)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (deg) |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|-------------|---------------|
| 1   | 4804.000        | 44.19          | 5.30          | 49.49          | 74.00          | -24.51      | peak | 192         | 50            |
| 2   | 4804.000        | 34.64          | 5.30          | 39.94          | 54.00          | -14.06      | AVG  | 192         | 50            |
| 3   | 7206.000        | 46.48          | 12.40         | 58.88          | 74.00          | -15.12      | peak | 217         | 43            |
| 4   | 7206.000        | 38.34          | 12.40         | 50.74          | 54.00          | -3.26       | AVG  | 217         | 43            |

## EUT Information

EUT Name: 2.4GHz Digital Wireless Headphone  
 Model: BH1080J  
 Test Mode: BR\_DH5\_Middle channel  
 Test Voltage: DC 2.4V From battery (2\*1.2V"AAA")  
 Remark: Temp 24 Humi: 37%  
 Test Standard: FCC 15.247  
 Tested By: Hua  
 Reviewed By: Scott He

### Horizontal

#### Critical\_Freqs(Fundamental frequency)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (deg) |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|-------------|---------------|
| 1   | 2441.000        | 98.97          | -0.30         | 98.67          |                |             | peak | 100         | 33            |
| 2   | 2441.000        | 82.22          | -0.30         | 81.92          |                |             | AVG  | 100         | 33            |

#### Critical\_Freqs(Suprious Emission out of band)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (deg) |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|-------------|---------------|
| 1   | 4882.000        | 45.22          | 6.27          | 51.49          | 74.00          | -22.51      | peak | 240         | 84            |
| 2   | 4882.000        | 35.96          | 6.27          | 42.23          | 54.00          | -11.77      | AVG  | 240         | 84            |
| 3   | 7323.000        | 43.13          | 12.65         | 55.78          | 74.00          | -18.22      | peak | 110         | 21            |
| 4   | 7323.000        | 34.34          | 12.65         | 46.99          | 54.00          | -7.01       | AVG  | 110         | 21            |

### Vertical

#### Critical\_Freqs(Fundamental frequency)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (deg) |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|-------------|---------------|
| 1   | 2441.000        | 102.15         | -0.30         | 101.85         |                |             | peak | 148         | 211           |
| 2   | 2441.000        | 84.25          | -0.30         | 83.95          |                |             | AVG  | 148         | 211           |

#### Critical\_Freqs(Suprious Emission out of band)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (deg) |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|-------------|---------------|
| 1   | 4882.000        | 43.87          | 6.27          | 50.14          | 74.00          | -23.86      | peak | 382         | 197           |
| 2   | 4882.000        | 32.63          | 6.27          | 38.90          | 54.00          | -15.10      | AVG  | 382         | 197           |
| 3   | 7323.000        | 41.94          | 12.65         | 54.59          | 74.00          | -19.41      | peak | 100         | 206           |
| 4   | 7323.000        | 33.86          | 12.65         | 46.51          | 54.00          | -7.49       | AVG  | 100         | 206           |

## EUT Information

EUT Name: 2.4GHz Digital Wireless Headphone  
Model: BH1080J  
Test Mode: BR\_DH5\_High channel  
Test Voltage: DC 2.4V From battery (2\*1.2V"AAA")  
Remark: Temp 24 Humi: 37%  
Test Standard: FCC 15.247  
Tested By: Hua  
Reviewed By: Scott He

### Horizontal

#### Critical\_Freqs(Fundamental frequency)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (deg) |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|-------------|---------------|
| 1   | 2480.168        | 97.05          | -0.21         | 96.84          |                |             | peak | 303         | 38            |
| 2   | 2480.168        | 80.92          | -0.21         | 80.71          |                |             | AVG  | 303         | 38            |

#### Critical\_Freqs(Suprious Emission out of band)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (deg) |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|-------------|---------------|
| 1   | 4960.000        | 45.54          | 6.16          | 51.70          | 74.00          | -22.30      | peak | 288         | 82            |
| 2   | 4960.000        | 36.02          | 6.16          | 42.18          | 54.00          | -11.82      | AVG  | 288         | 82            |
| 3   | 7440.000        | 45.25          | 12.91         | 58.16          | 74.00          | -15.84      | peak | 100         | 41            |
| 4   | 7440.000        | 37.82          | 12.91         | 50.73          | 54.00          | -3.27       | AVG  | 100         | 41            |

### Vertical

#### Critical\_Freqs(Fundamental frequency)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (deg) |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|-------------|---------------|
| 1   | 2479.796        | 101.28         | -0.21         | 101.07         |                |             | peak | 203         | 212           |
| 2   | 2479.796        | 84.14          | -0.21         | 83.93          |                |             | AVG  | 203         | 212           |

#### Critical\_Freqs(Suprious Emission out of band)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (deg) |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|-------------|---------------|
| 1   | 4960.000        | 44.43          | 6.16          | 50.59          | 74.00          | -23.41      | peak | 100         | 277           |
| 2   | 4960.000        | 33.62          | 6.16          | 39.78          | 54.00          | -14.22      | AVG  | 100         | 277           |
| 3   | 7440.000        | 42.50          | 12.91         | 55.41          | 74.00          | -18.59      | peak | 100         | 53            |
| 4   | 7440.000        | 34.39          | 12.91         | 47.30          | 54.00          | -6.70       | AVG  | 100         | 53            |

## EUT Information

EUT Name: 2.4GHz Digital Wireless Headphone  
Model: BH1080J  
Test Mode: EDR\_3DH5\_Low channel  
Test Voltage: DC 2.4V From battery (2\*1.2V"AAA")  
Remark: Temp 24 Humi: 37%  
Test Standard: FCC 15.247  
Tested By: Hua  
Reviewed By: Scott He

### Horizontal

## Critical\_Freqs(Fundamental frequency)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (deg) |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|-------------|---------------|
| 1   | 2401.954        | 96.28          | -0.39         | 95.89          |                |             | peak | 114         | 181           |
| 2   | 2401.954        | 79.21          | -0.39         | 78.82          |                |             | AVG  | 114         | 181           |

## Critical\_Freqs(Suprious Emission out of band)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (deg) |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|-------------|---------------|
| 1   | 4804.000        | 41.63          | 5.30          | 46.93          | 74.00          | -27.07      | peak | 188         | 55            |
| 2   | 4804.000        | 29.08          | 5.30          | 34.38          | 54.00          | -19.62      | AVG  | 188         | 55            |
| 3   | 7206.000        | 43.51          | 12.40         | 55.91          | 74.00          | -18.09      | peak | 236         | 104           |
| 4   | 7206.000        | 33.28          | 12.40         | 45.68          | 54.00          | -8.32       | AVG  | 236         | 104           |

### Vertical

## Critical\_Freqs(Fundamental frequency)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (deg) |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|-------------|---------------|
| 1   | 2402.144        | 102.60         | -0.39         | 102.21         |                |             | peak | 172         | 209           |
| 2   | 2402.144        | 79.77          | -0.39         | 79.38          |                |             | AVG  | 172         | 209           |

## Critical\_Freqs(Suprious Emission out of band)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (deg) |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|-------------|---------------|
| 1   | 4804.000        | 41.49          | 5.30          | 46.79          | 74.00          | -27.21      | peak | 126         | 225           |
| 2   | 4804.000        | 29.38          | 5.30          | 34.68          | 54.00          | -19.32      | AVG  | 126         | 225           |
| 3   | 7206.000        | 41.90          | 12.40         | 54.30          | 74.00          | -19.70      | peak | 107         | 314           |
| 4   | 7206.000        | 31.60          | 12.40         | 44.00          | 54.00          | -10.00      | AVG  | 107         | 314           |

## EUT Information

EUT Name: 2.4GHz Digital Wireless Headphone  
Model: BH1080J  
Test Mode: EDR\_3DH5\_Middle channel  
Test Voltage: DC 2.4V From battery (2\*1.2V"AAA")  
Remark: Temp 24 Humi: 37%  
Test Standard: FCC 15.247  
Tested By: Hua  
Reviewed By: Scott He

### Horizontal

#### Critical\_Freqs(Fundamental frequency)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (deg) |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|-------------|---------------|
| 1   | 2441.000        | 97.86          | -0.30         | 97.56          |                |             | peak | 270         | 38            |
| 2   | 2441.000        | 78.95          | -0.30         | 78.65          |                |             | AVG  | 270         | 38            |

#### Critical\_Freqs(Suprious Emission out of band)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (deg) |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|-------------|---------------|
| 1   | 4882.000        | 40.66          | 6.27          | 46.93          | 74.00          | -27.07      | peak | 236         | 185           |
| 2   | 4882.000        | 28.35          | 6.27          | 34.62          | 54.00          | -19.38      | AVG  | 236         | 185           |
| 3   | 7323.000        | 41.21          | 12.65         | 53.86          | 74.00          | -20.14      | peak | 304         | 246           |
| 4   | 7323.000        | 29.81          | 12.65         | 42.46          | 54.00          | -11.54      | AVG  | 304         | 246           |

### Vertical

#### Critical\_Freqs(Fundamental frequency)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (deg) |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|-------------|---------------|
| 1   | 2441.000        | 101.66         | -0.30         | 101.36         |                |             | peak | 219         | 215           |
| 2   | 2441.000        | 81.67          | -0.30         | 81.37          |                |             | AVG  | 219         | 215           |

#### Critical\_Freqs(Suprious Emission out of band)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (deg) |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|-------------|---------------|
| 1   | 4882.000        | 41.23          | 6.27          | 47.50          | 74.00          | -26.50      | peak | 100         | 339           |
| 2   | 4882.000        | 28.82          | 6.27          | 35.09          | 54.00          | -18.91      | AVG  | 100         | 339           |
| 3   | 7323.000        | 40.26          | 12.65         | 52.91          | 74.00          | -21.09      | peak | 112         | 237           |
| 4   | 7323.000        | 29.35          | 12.65         | 42.00          | 54.00          | -12.00      | AVG  | 112         | 237           |

## EUT Information

EUT Name: 2.4GHz Digital Wireless Headphone  
Model: BH1080J  
Test Mode: EDR\_3DH5\_High channel  
Test Voltage: DC 2.4V From battery (2\*1.2V "AAA")  
Remark: Temp 24 Humi: 37%  
Test Standard: FCC 15.247  
Tested By: Hua  
Reviewed By: Scott He

### Horizontal

#### Critical\_Freqs(Fundamental frequency)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (deg) |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|-------------|---------------|
| 1   | 2479.982        | 97.44          | -0.21         | 97.23          |                |             | peak | 110         | 32            |
| 2   | 2479.982        | 78.62          | -0.21         | 78.41          |                |             | AVG  | 110         | 32            |

#### Critical\_Freqs(Suprious Emission out of band)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (deg) |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|-------------|---------------|
| 1   | 4960.000        | 41.60          | 6.16          | 47.76          | 74.00          | -26.24      | peak | 198         | 354           |
| 2   | 4960.000        | 28.82          | 6.16          | 34.98          | 54.00          | -19.02      | AVG  | 198         | 354           |
| 3   | 7440.000        | 41.08          | 12.91         | 53.99          | 74.00          | -20.01      | peak | 214         | 115           |
| 4   | 7440.000        | 29.26          | 12.91         | 42.17          | 54.00          | -11.83      | AVG  | 214         | 115           |

### Vertical

#### Critical\_Freqs(Fundamental frequency)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (deg) |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|-------------|---------------|
| 1   | 2479.796        | 101.99         | -0.21         | 101.78         |                |             | peak | 131         | 213           |
| 2   | 2479.796        | 82.42          | -0.21         | 82.21          |                |             | AVG  | 131         | 213           |

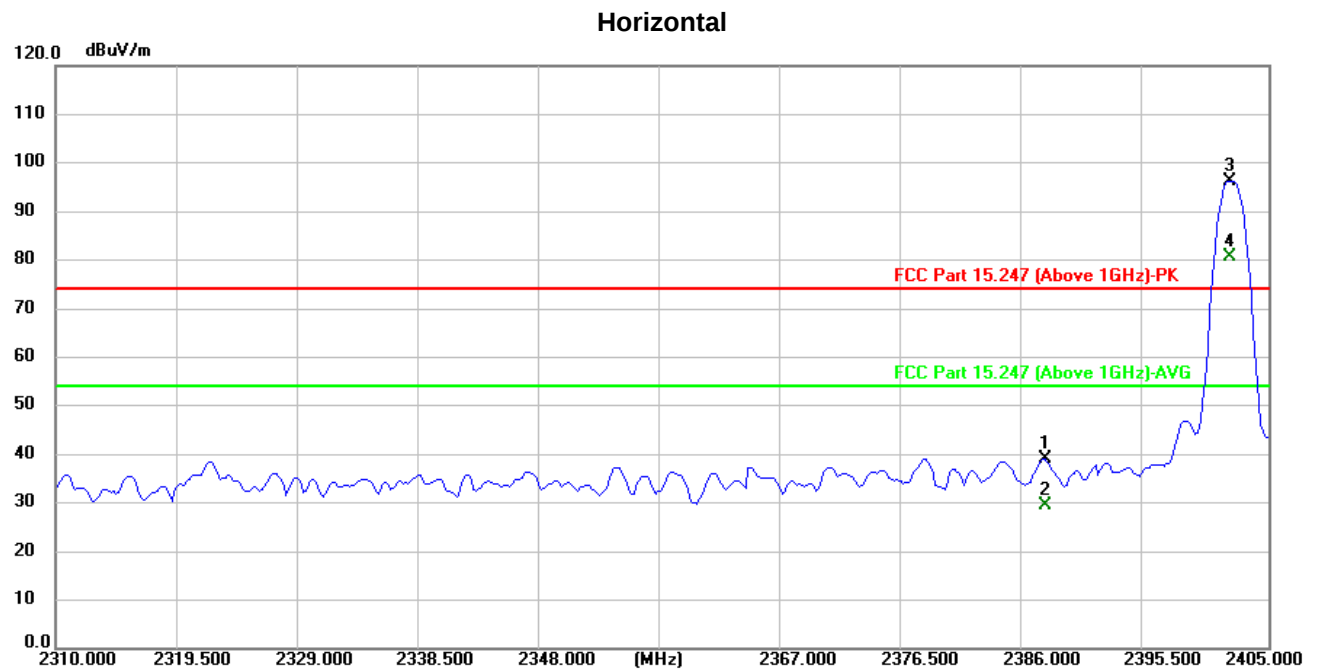
#### Critical\_Freqs(Suprious Emission out of band)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (deg) |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|-------------|---------------|
| 1   | 4960.000        | 42.68          | 6.16          | 48.84          | 74.00          | -25.16      | peak | 400         | 198           |
| 2   | 4960.000        | 30.21          | 6.16          | 36.37          | 54.00          | -17.63      | AVG  | 400         | 198           |
| 3   | 7440.000        | 40.64          | 12.91         | 53.55          | 74.00          | -20.45      | peak | 115         | 236           |
| 4   | 7440.000        | 28.66          | 12.91         | 41.57          | 54.00          | -12.43      | AVG  | 115         | 236           |

## Appendix B.8: Test Results of Radiated Emissions in Restricted Bands

### EUT Information

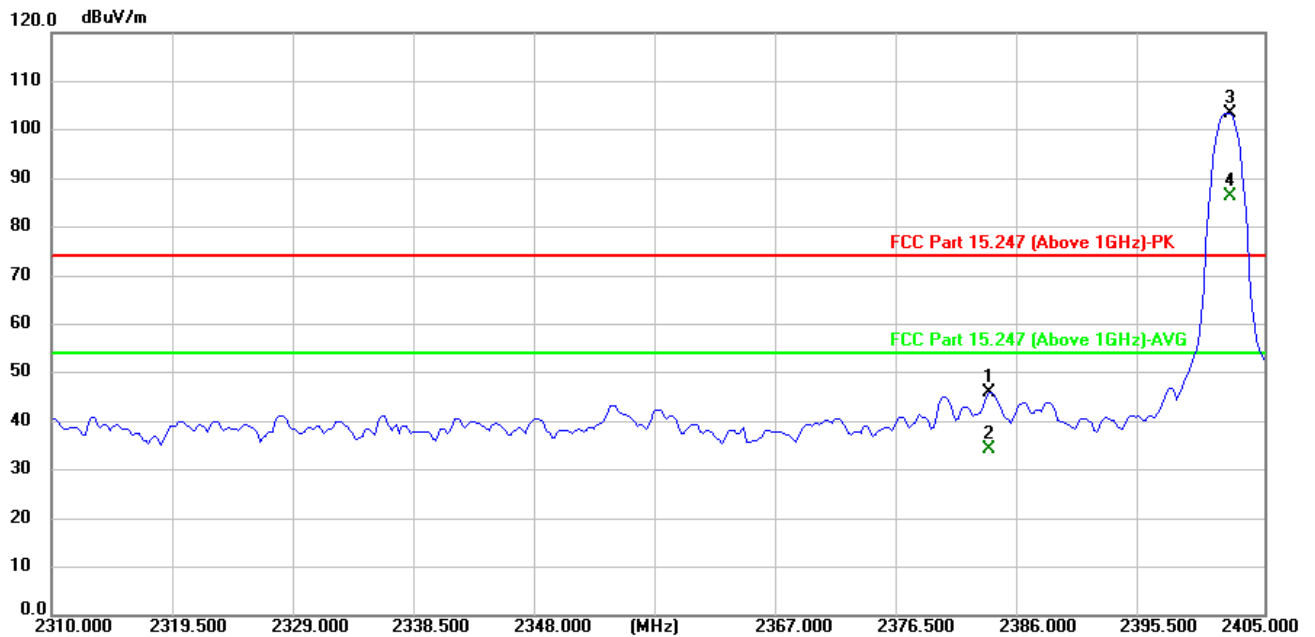
EUT Name: 2.4GHz Digital Wireless Headphone  
Model: BH1080J  
Test Mode: BR\_DH5\_Low channel  
Test Voltage: DC 2.4V From battery (2\*1.2V"AAA")  
Remark: Temp 24 Humi: 37%  
Test Standard: FCC 15.247  
Tested By: Hua  
Reviewed By: Scott He



### Critical\_Freqs(Fundamental frequency & Bandedge)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (deg) |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|-------------|---------------|
| 1   | 2387.485        | 39.41          | -0.42         | 38.99          | 74.00          | -35.01      | peak | 280         | 43            |
| 2   | 2387.485        | 29.78          | -0.42         | 29.36          | 54.00          | -24.64      | AVG  | 280         | 43            |

### Vertical



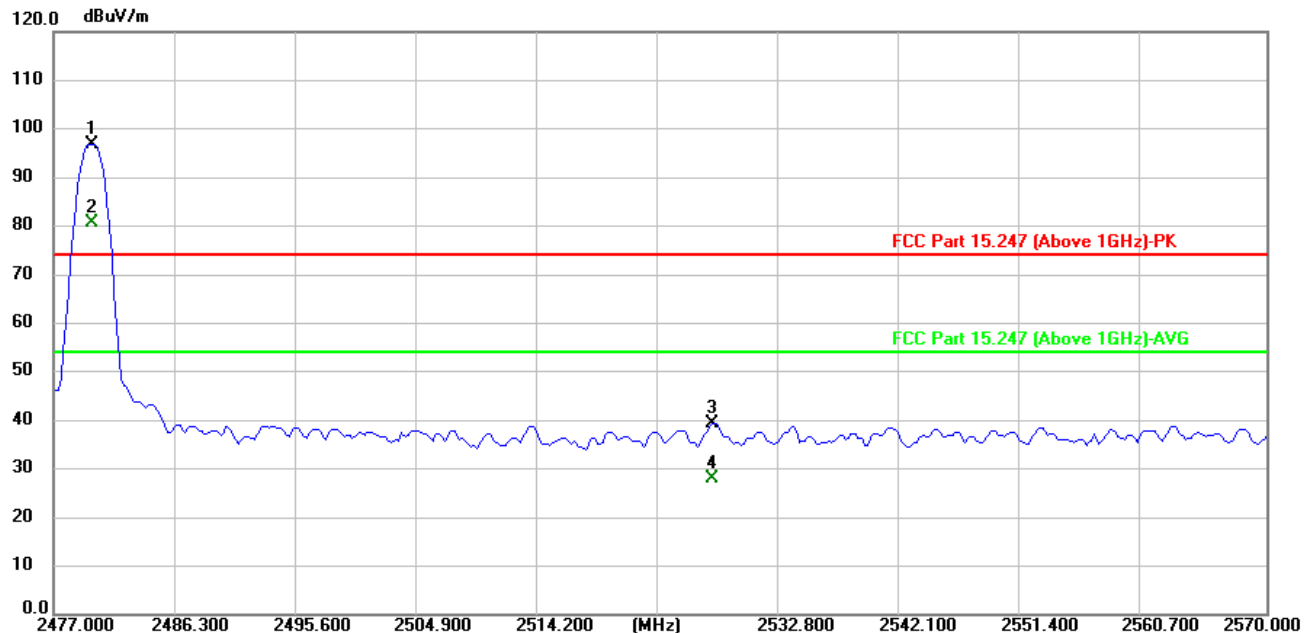
### Critical\_Freqs(Fundamental frequency & Bandedge)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (deg) |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|-------------|---------------|
| 1   | 2383.677        | 46.25          | -0.43         | 45.82          | 74.00          | -28.18      | peak | 159         | 209           |
| 2   | 2383.677        | 34.73          | -0.43         | 34.30          | 54.00          | -19.70      | AVG  | 159         | 209           |

## EUT Information

EUT Name: 2.4GHz Digital Wireless Headphone  
Model: BH1080J  
Test Mode: BR\_DH5\_High channel  
Test Voltage: DC 2.4V From battery (2\*1.2V"AAA")  
Remark: Temp 24 Humi: 37%  
Test Standard: FCC 15.247  
Tested By: Hua  
Reviewed By: Scott He

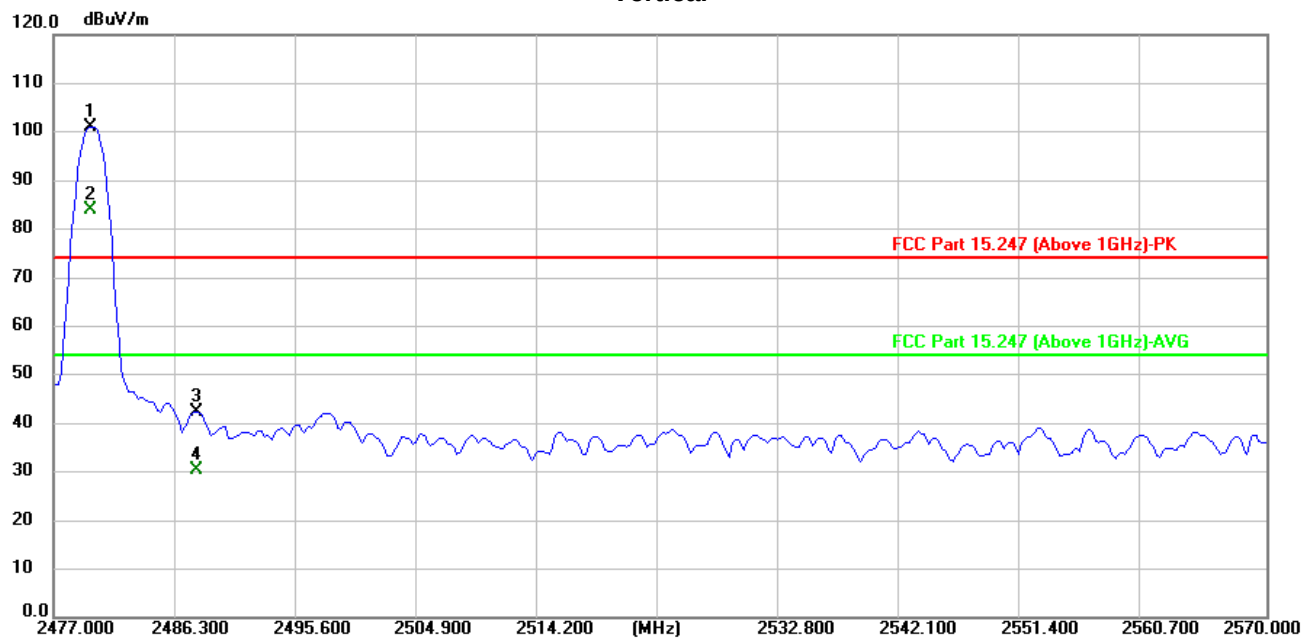
### Horizontal



### Critical Freqs(Fundamental frequency & Bandedge)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (deg) |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|-------------|---------------|
| 1   | 2527.693        | 39.48          | -0.11         | 39.37          | 74.00          | -34.63      | peak | 303         | 38            |
| 2   | 2527.693        | 28.02          | -0.11         | 27.91          | 54.00          | -26.09      | AVG  | 303         | 38            |

### Vertical

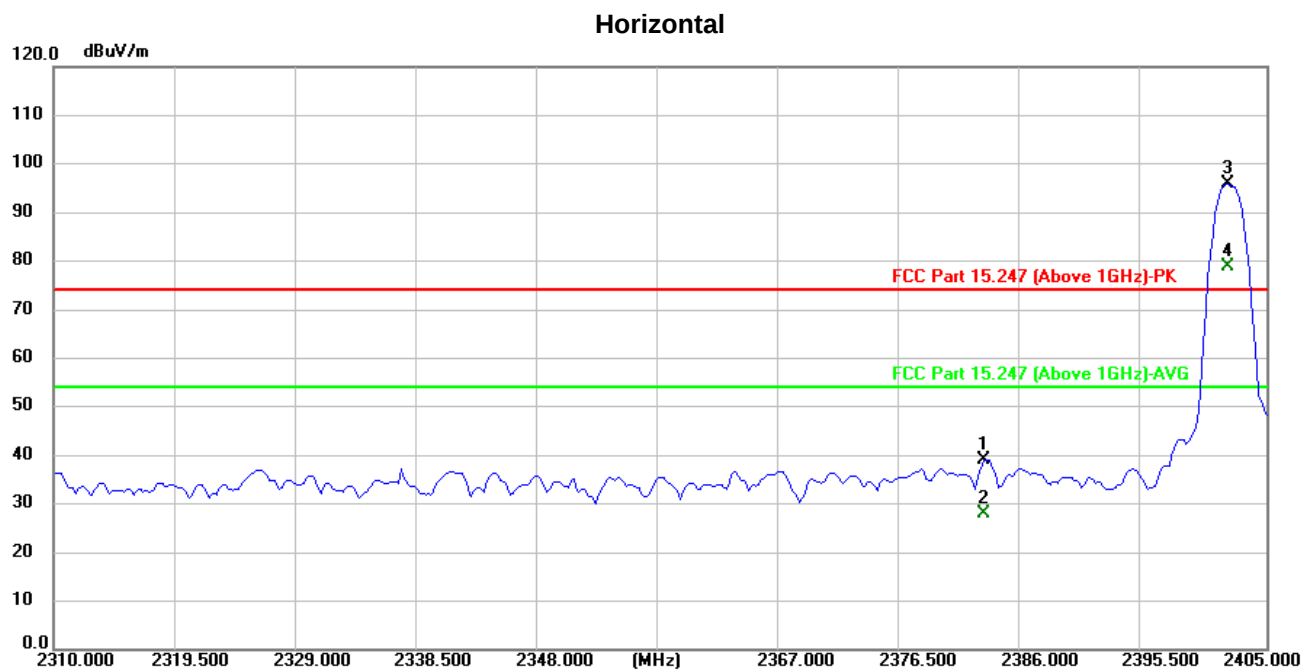


### Critical\_Freqs(Fundamental frequency & Bandedge)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (deg) |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|-------------|---------------|
| 1   | 2487.996        | 42.51          | -0.20         | 42.31          | 74.00          | -31.69      | peak | 203         | 212           |
| 2   | 2487.996        | 30.53          | -0.20         | 30.33          | 54.00          | -23.67      | AVG  | 203         | 212           |

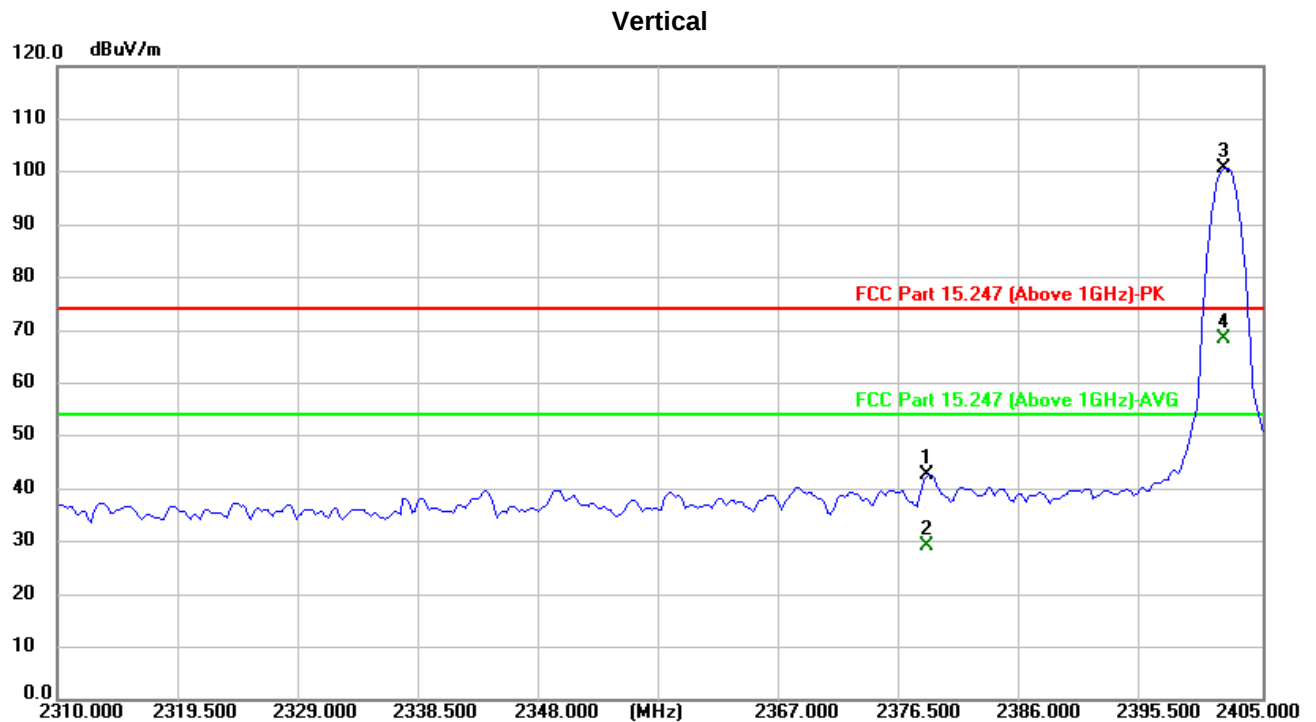
## EUT Information

EUT Name: 2.4GHz Digital Wireless Headphone  
Model: BH1080J  
Test Mode: EDR\_3DH5\_Low channel  
Test Voltage: DC 2.4V From battery (2\*1.2V"AAA")  
Remark: Temp 24 Humi: 37%  
Test Standard: FCC 15.247  
Tested By: Hua  
Reviewed By: Scott He



## Critical\_Freqs(Fundamental frequency & Bandedge)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (deg) |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|-------------|---------------|
| 1   | 2383.106        | 39.61          | -0.42         | 39.19          | 74.00          | -34.81      | peak | 114         | 181           |
| 2   | 2383.106        | 28.54          | -0.42         | 28.12          | 54.00          | -25.88      | AVG  | 114         | 181           |



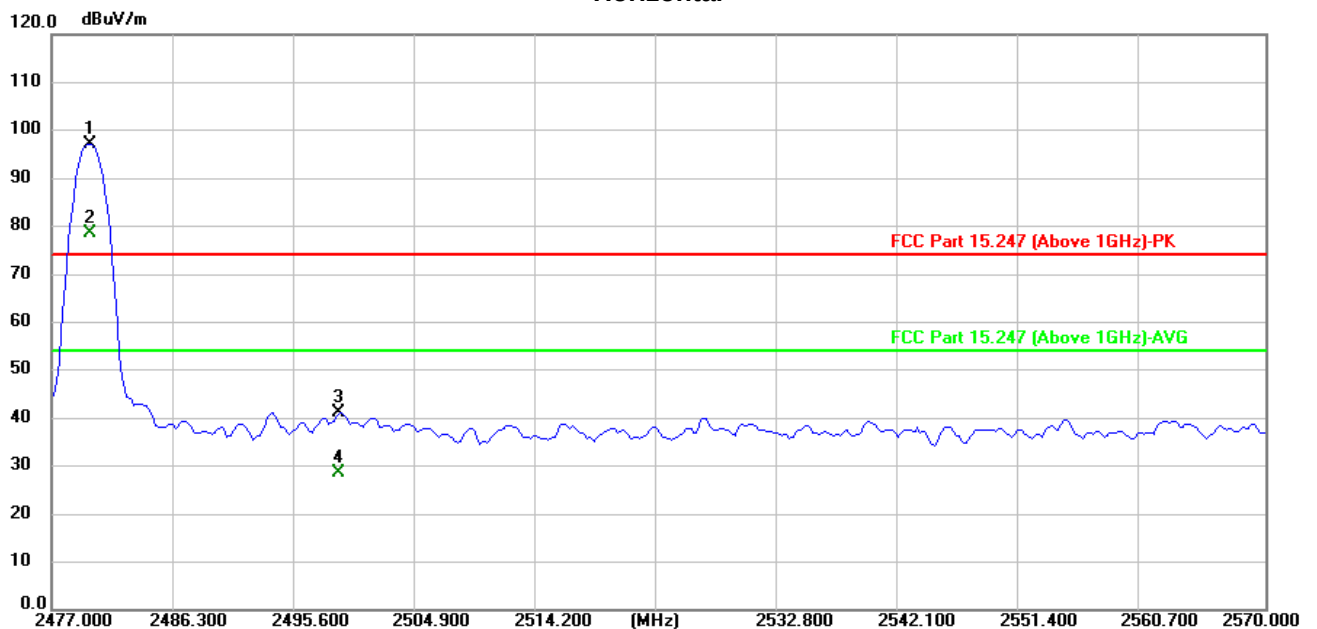
### Critical\_Freqs(Fundamental frequency & Bandedge)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (deg) |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|-------------|---------------|
| 1   | 2315.140        | 43.32          | -0.58         | 42.74          | 74.00          | -31.26      | peak | 172         | 209           |
| 2   | 2315.140        | 29.92          | -0.58         | 29.34          | 54.00          | -24.66      | AVG  | 172         | 209           |

## EUT Information

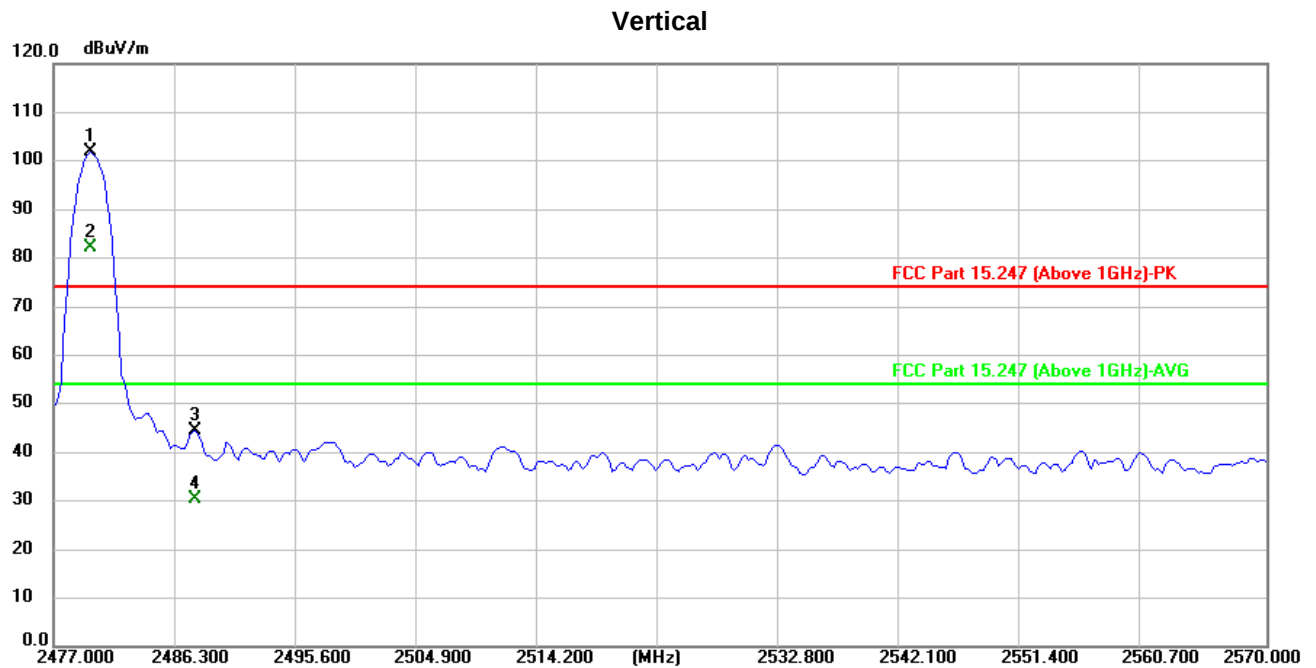
EUT Name: 2.4GHz Digital Wireless Headphone  
Model: BH1080J  
Test Mode: EDR\_3DH5\_High channel  
Test Voltage: DC 2.4V From battery (2\*1.2V"AAA")  
Remark: Temp 24 Humi: 37%  
Test Standard: FCC 15.247  
Tested By: Hua  
Reviewed By: Scott He

### Horizontal



### Critical Freqs(Fundamental frequency & Bandedge)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (deg) |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|-------------|---------------|
| 1   | 2499.178        | 41.21          | -0.16         | 41.05          | 74.00          | -32.95      | peak | 110         | 32            |
| 2   | 2499.178        | 28.59          | -0.16         | 28.43          | 54.00          | -25.57      | AVG  | 110         | 32            |



### Critical\_Freqs(Fundamental frequency & Bandedge)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (deg) |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|-------------|---------------|
| 1   | 2487.810        | 44.50          | -0.20         | 44.30          | 74.00          | -29.70      | peak | 131         | 213           |
| 2   | 2487.810        | 30.51          | -0.20         | 30.31          | 54.00          | -23.69      | AVG  | 131         | 213           |