

## Appendix Test Data for BT(BDR/EDR) (Conducted Measurement)

Product Name: TGpor Air conduction Bluetooth headset

Trade Mark: N/A

Test Model: Tgpro

FCC ID: 2BF9J-TGPOR

### Environmental Conditions

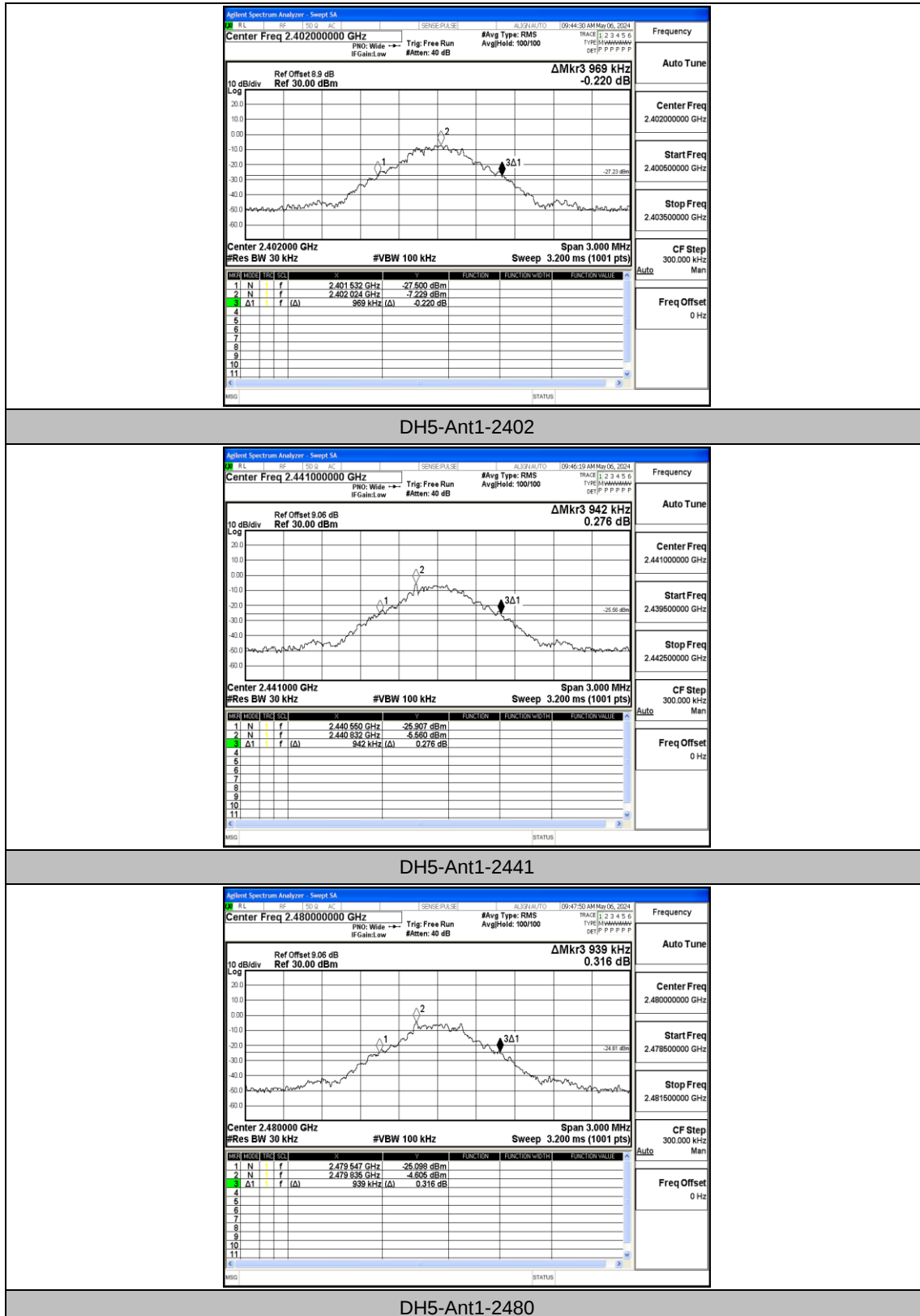
|                    |           |
|--------------------|-----------|
| Temperature:       | 22.8° C   |
| Relative Humidity: | 56%       |
| ATM Pressure:      | 100.0 kPa |
| Test Engineer:     | Allen Lai |
| Supervised by:     | Hugo Chen |
| NOTE               | N/A       |

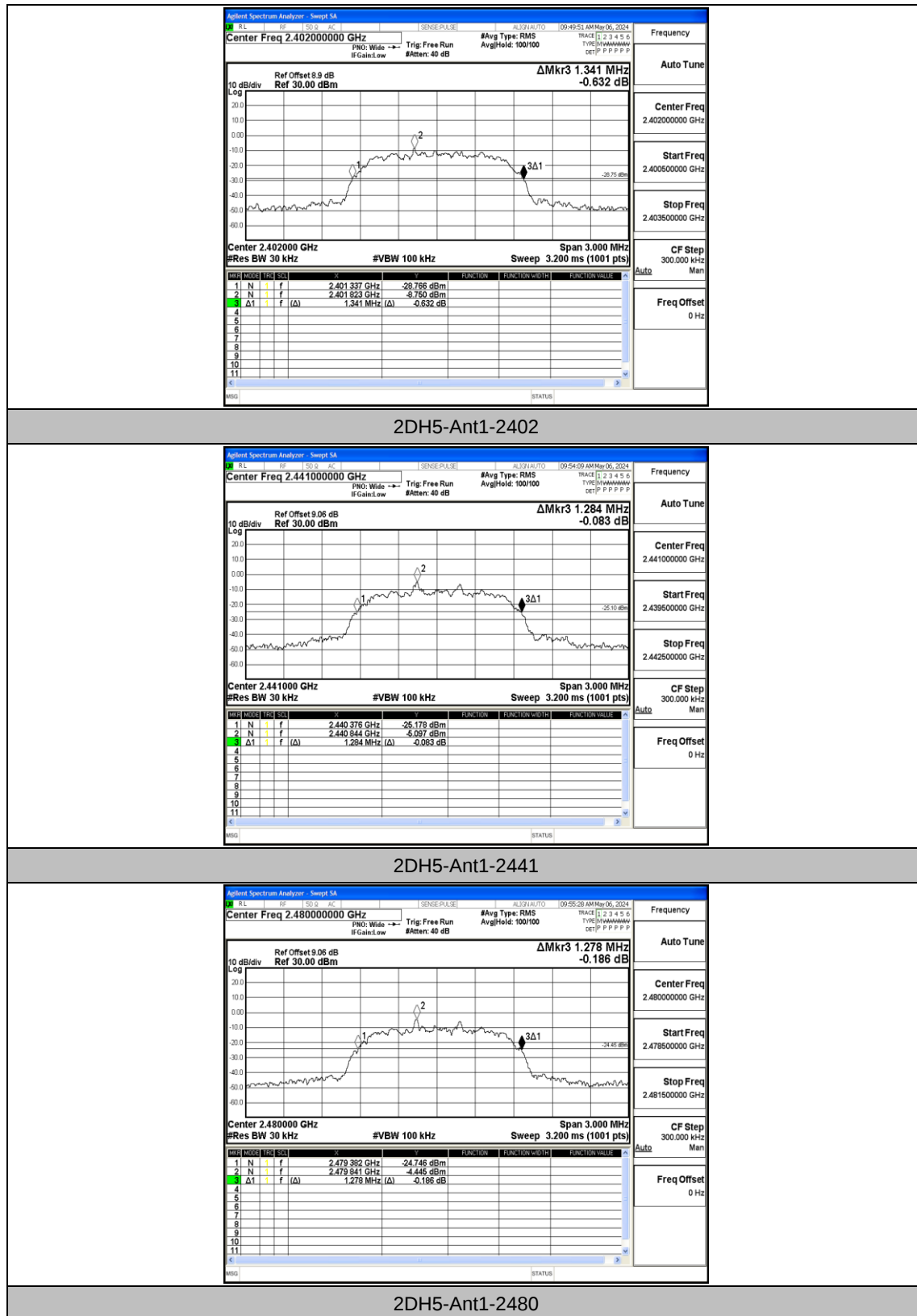
## Appendix A: 20dB Emission Bandwidth

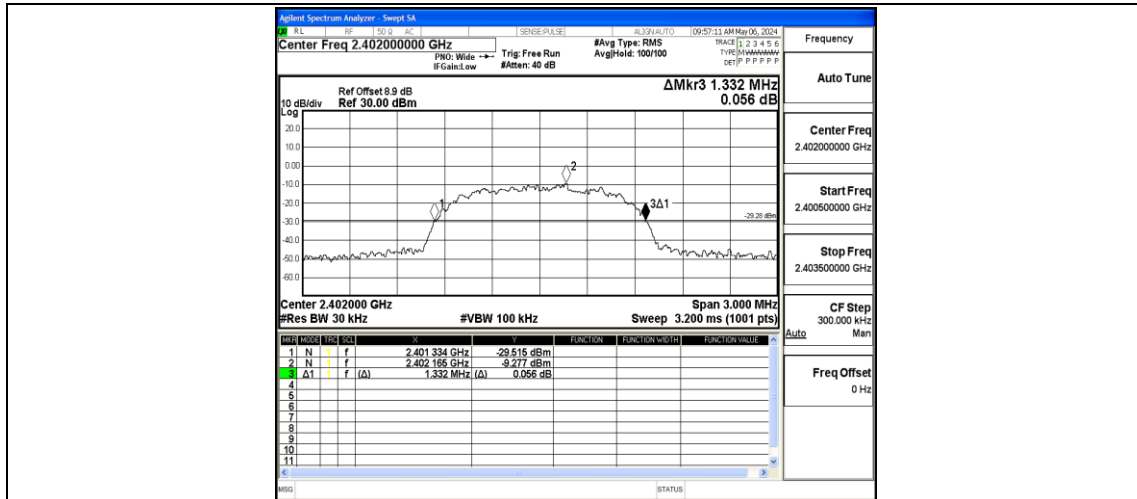
### Test Result

| TestMode | Antenna | Frequency[MHz] | 20db<br>EBW[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|----------------|------------------|----------|----------|------------|---------|
| DH5      | Ant1    | 2402           | 0.969            | 2401.532 | 2402.501 | ---        | ---     |
| DH5      | Ant1    | 2441           | 0.942            | 2440.550 | 2441.492 | ---        | ---     |
| DH5      | Ant1    | 2480           | 0.939            | 2479.547 | 2480.486 | ---        | ---     |
| 2DH5     | Ant1    | 2402           | 1.341            | 2401.337 | 2402.678 | ---        | ---     |
| 2DH5     | Ant1    | 2441           | 1.284            | 2440.376 | 2441.660 | ---        | ---     |
| 2DH5     | Ant1    | 2480           | 1.278            | 2479.382 | 2480.660 | ---        | ---     |
| 3DH5     | Ant1    | 2402           | 1.332            | 2401.334 | 2402.666 | ---        | ---     |
| 3DH5     | Ant1    | 2441           | 1.278            | 2440.379 | 2441.657 | ---        | ---     |
| 3DH5     | Ant1    | 2480           | 1.308            | 2479.355 | 2480.663 | ---        | ---     |

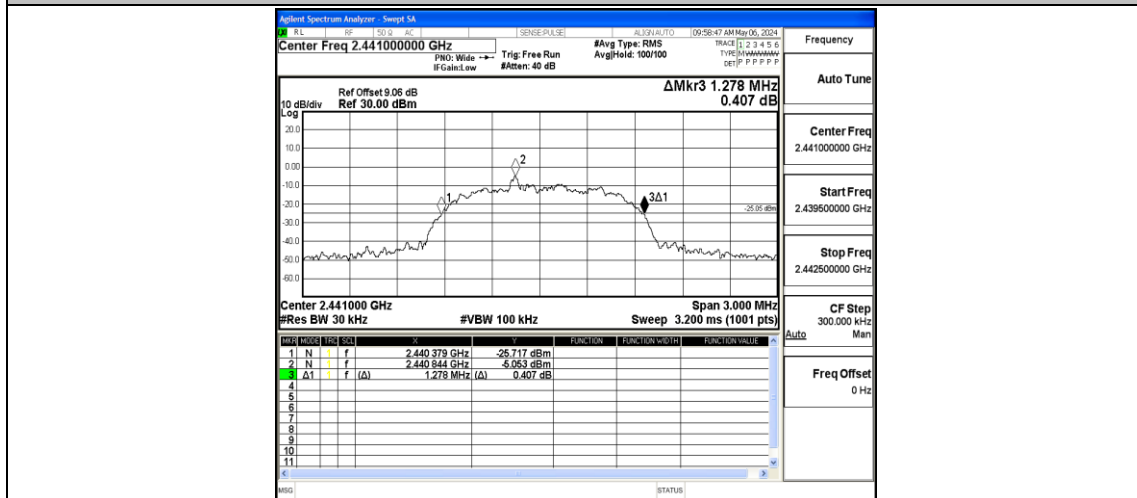
## Test Graphs



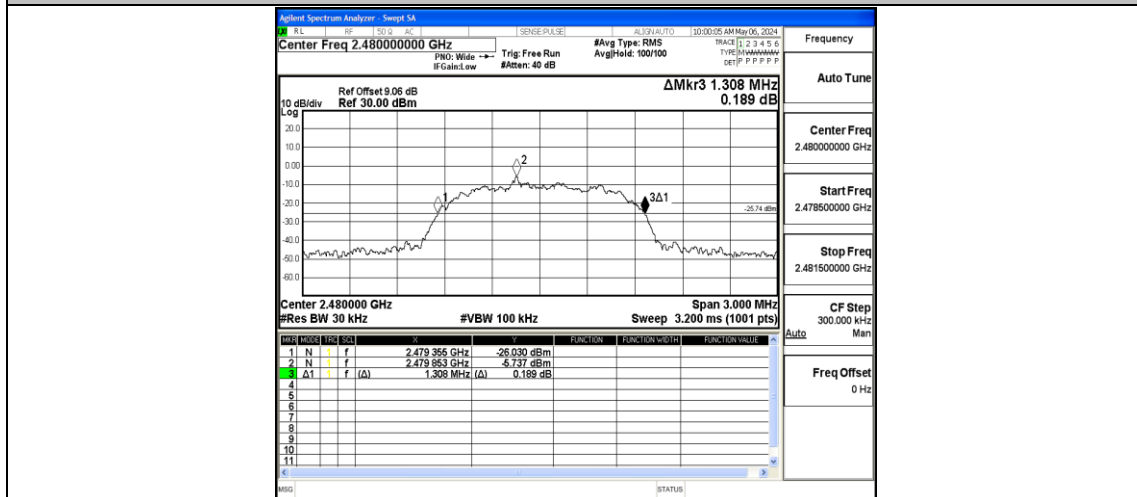




3DH5-Ant1-2402



3DH5-Ant1-2441



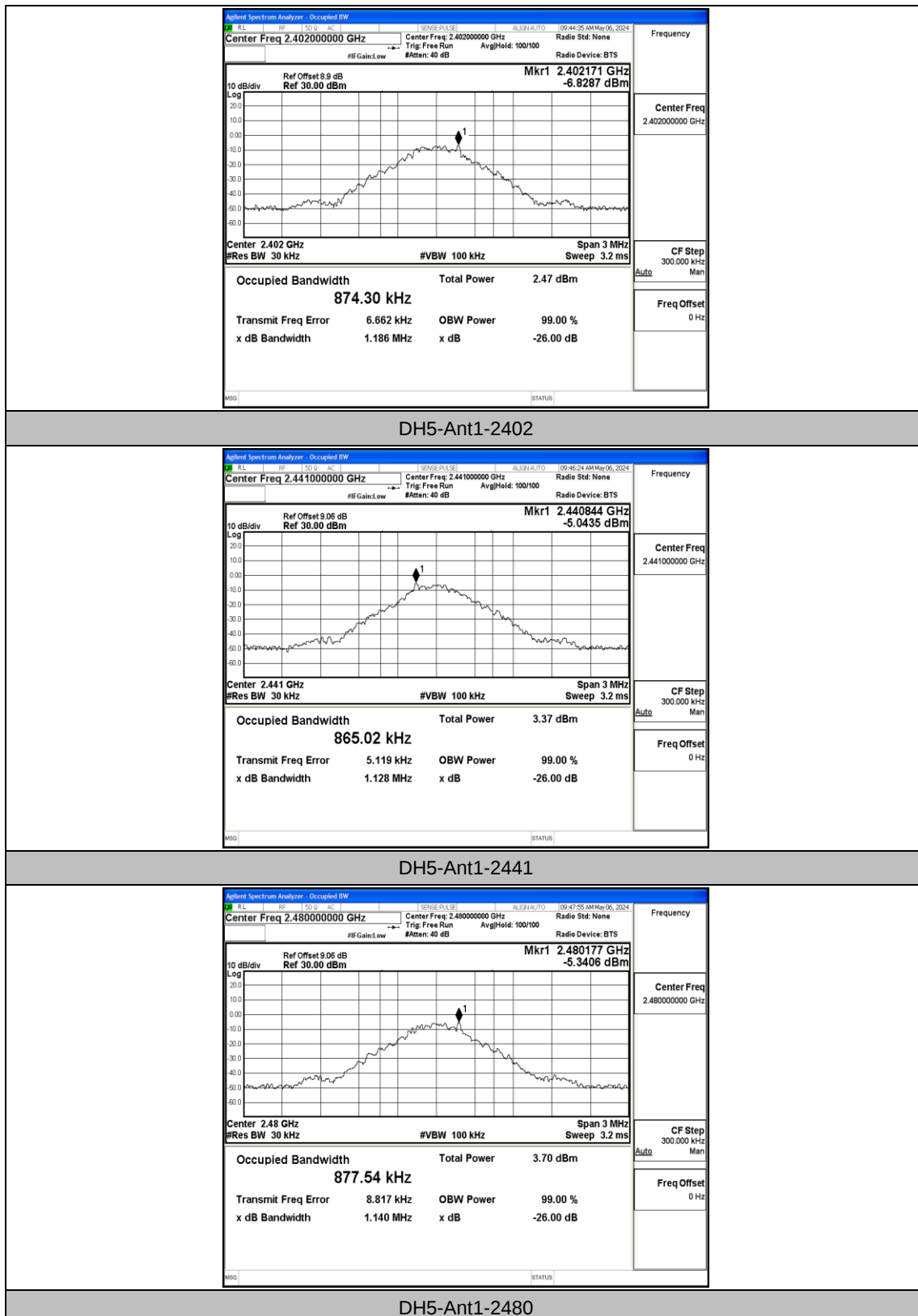
3DH5-Ant1-2480

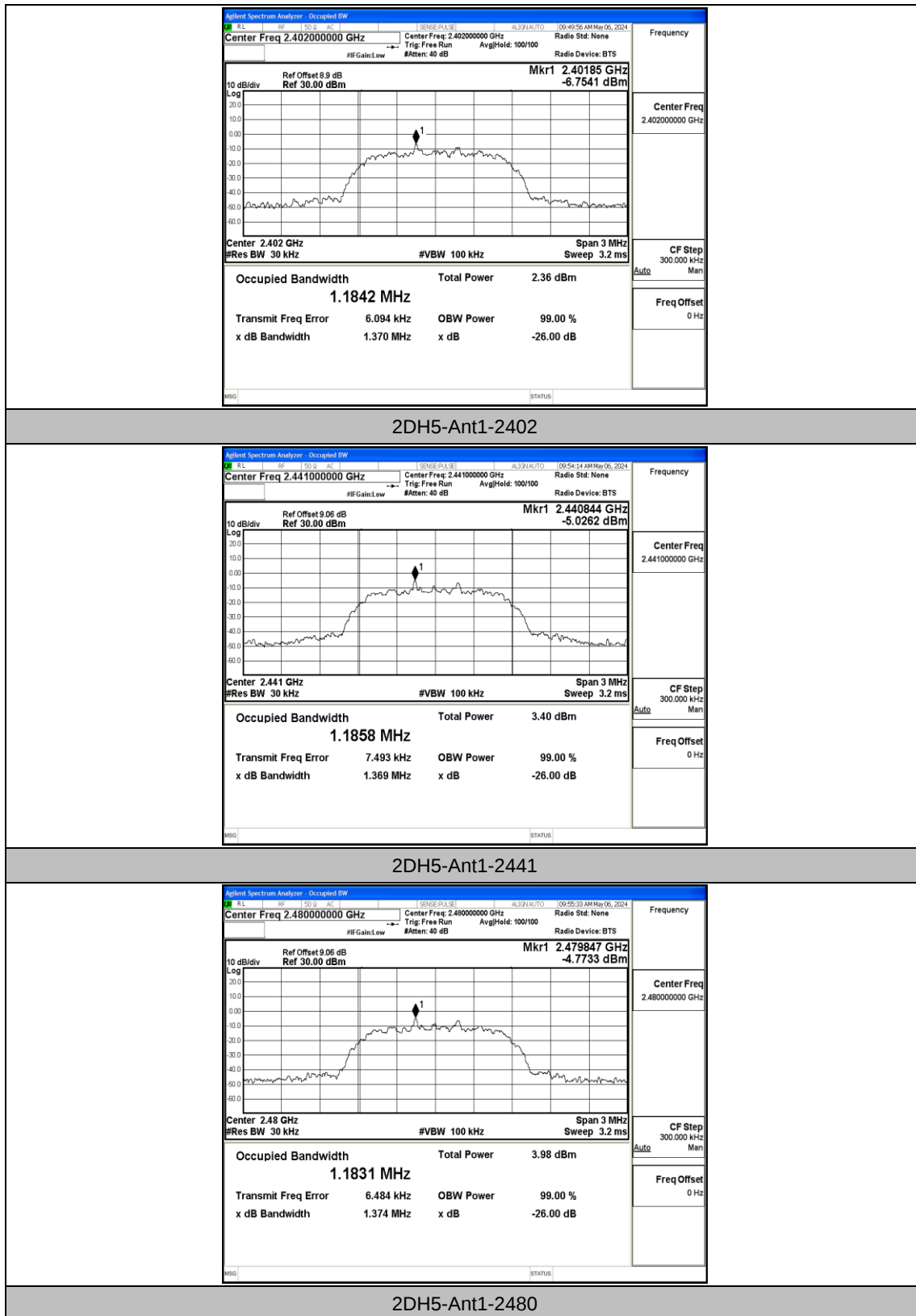
## Appendix B: Occupied Channel Bandwidth

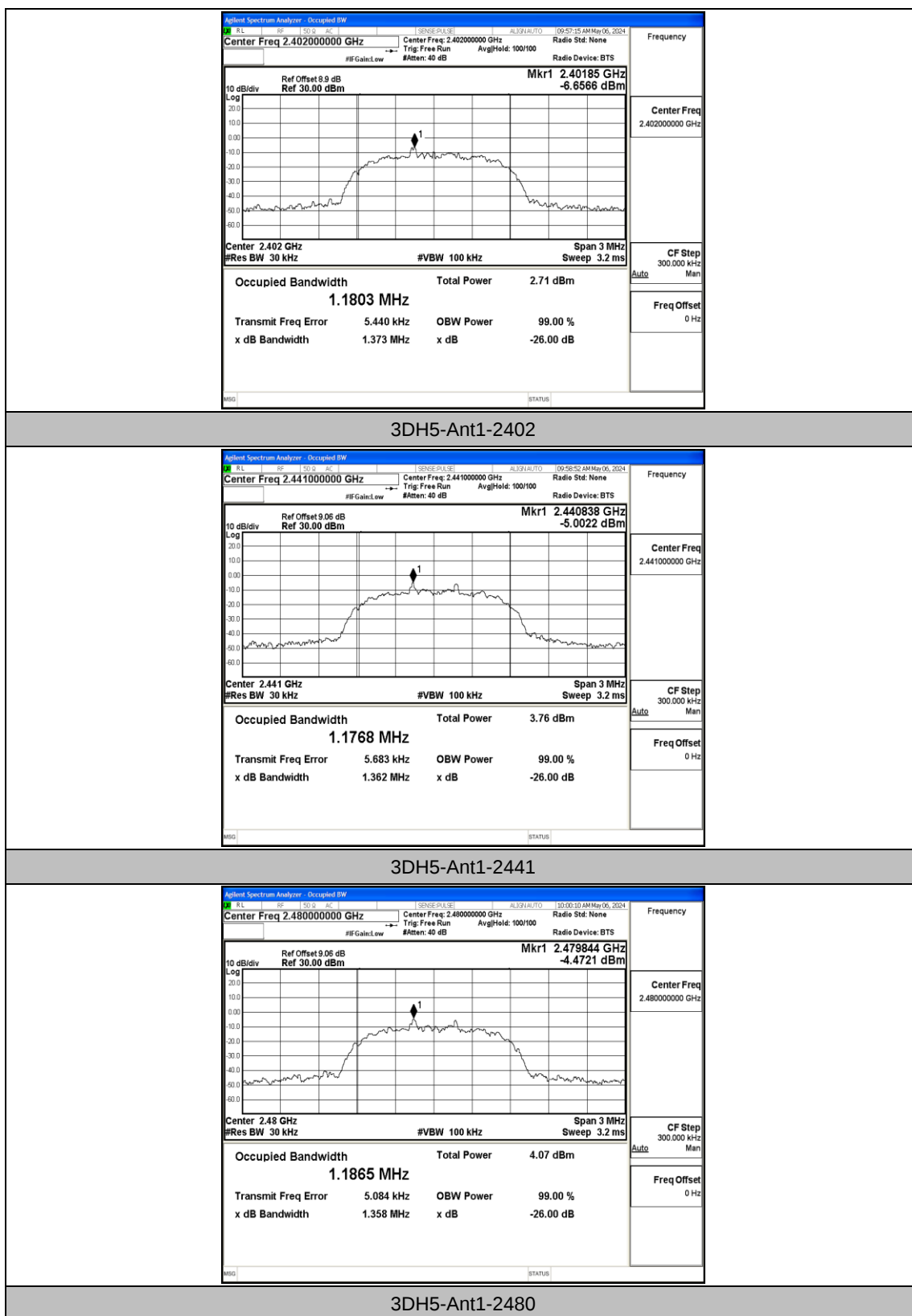
### Test Result

| TestMode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|----------|---------|----------------|-----------|-----------|-----------|------------|---------|
| DH5      | Ant1    | 2402           | 0.87430   | 2401.5695 | 2402.4438 | ---        | ---     |
| DH5      | Ant1    | 2441           | 0.86502   | 2440.5726 | 2441.4376 | ---        | ---     |
| DH5      | Ant1    | 2480           | 0.87754   | 2479.5701 | 2480.4476 | ---        | ---     |
| 2DH5     | Ant1    | 2402           | 1.1842    | 2401.4140 | 2402.5982 | ---        | ---     |
| 2DH5     | Ant1    | 2441           | 1.1858    | 2440.4146 | 2441.6004 | ---        | ---     |
| 2DH5     | Ant1    | 2480           | 1.1831    | 2479.4149 | 2480.5980 | ---        | ---     |
| 3DH5     | Ant1    | 2402           | 1.1803    | 2401.4153 | 2402.5956 | ---        | ---     |
| 3DH5     | Ant1    | 2441           | 1.1768    | 2440.4173 | 2441.5941 | ---        | ---     |
| 3DH5     | Ant1    | 2480           | 1.1865    | 2479.4118 | 2480.5983 | ---        | ---     |

## Test Graphs





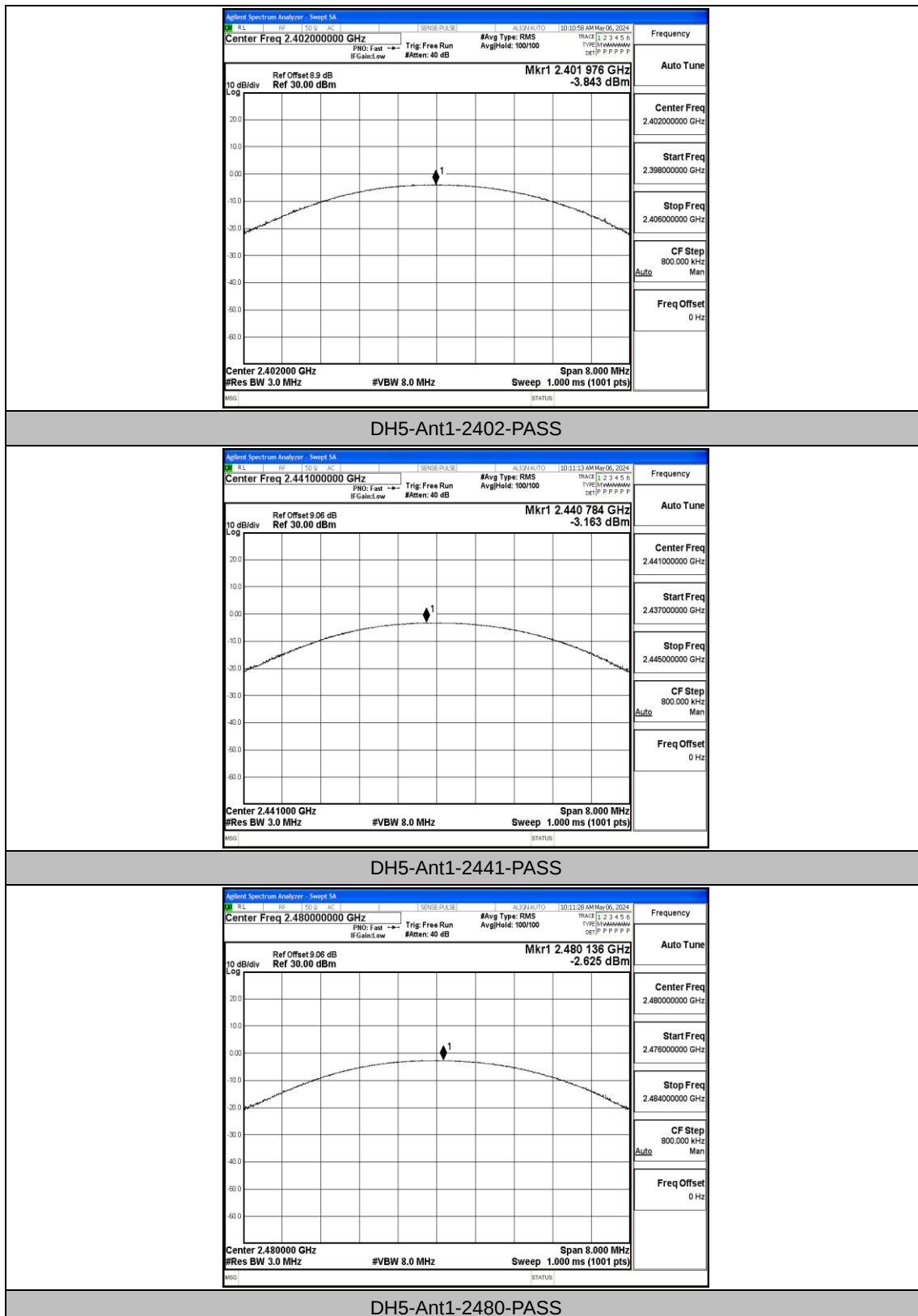


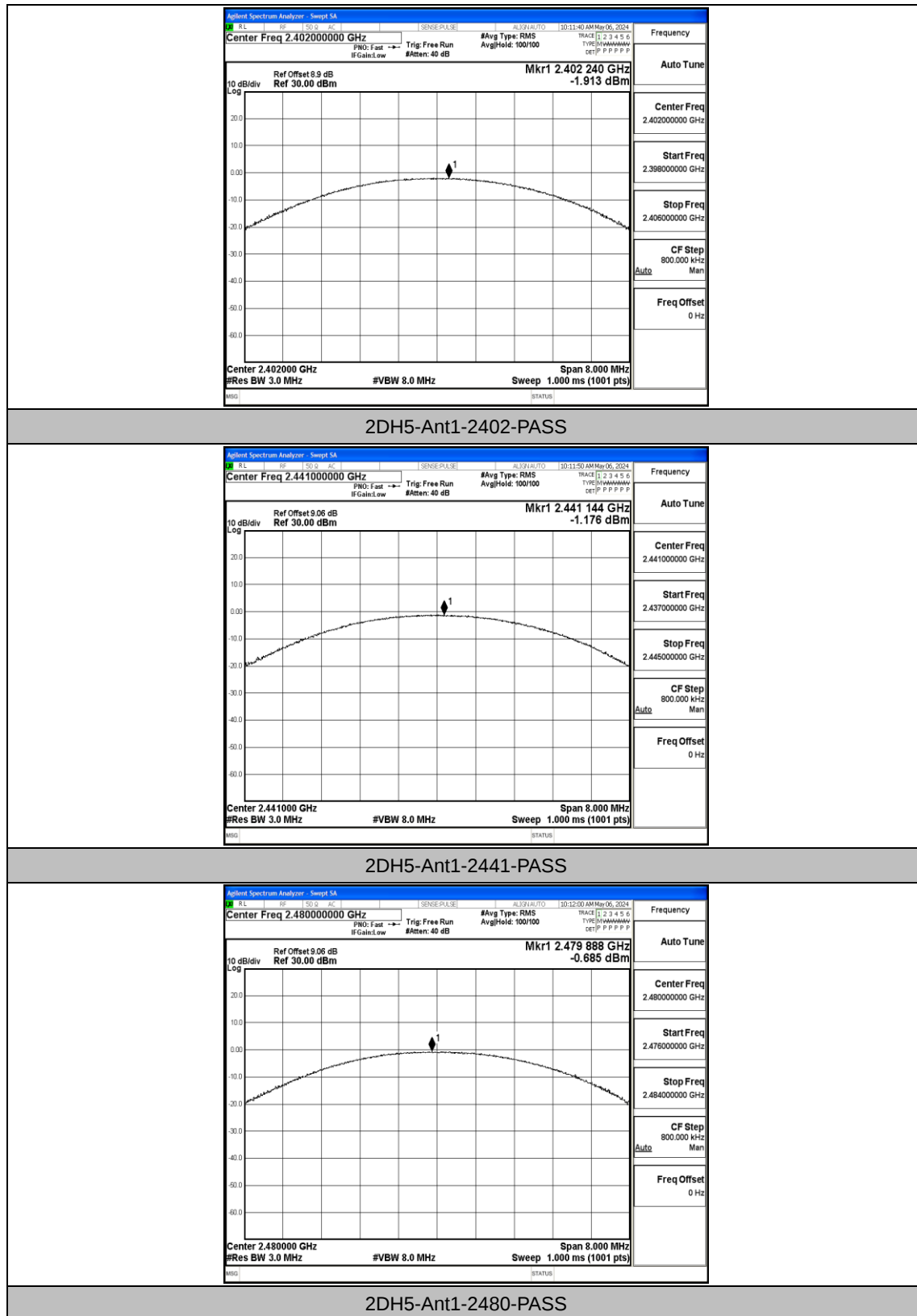
## Appendix C: Maximum peak conducted output power

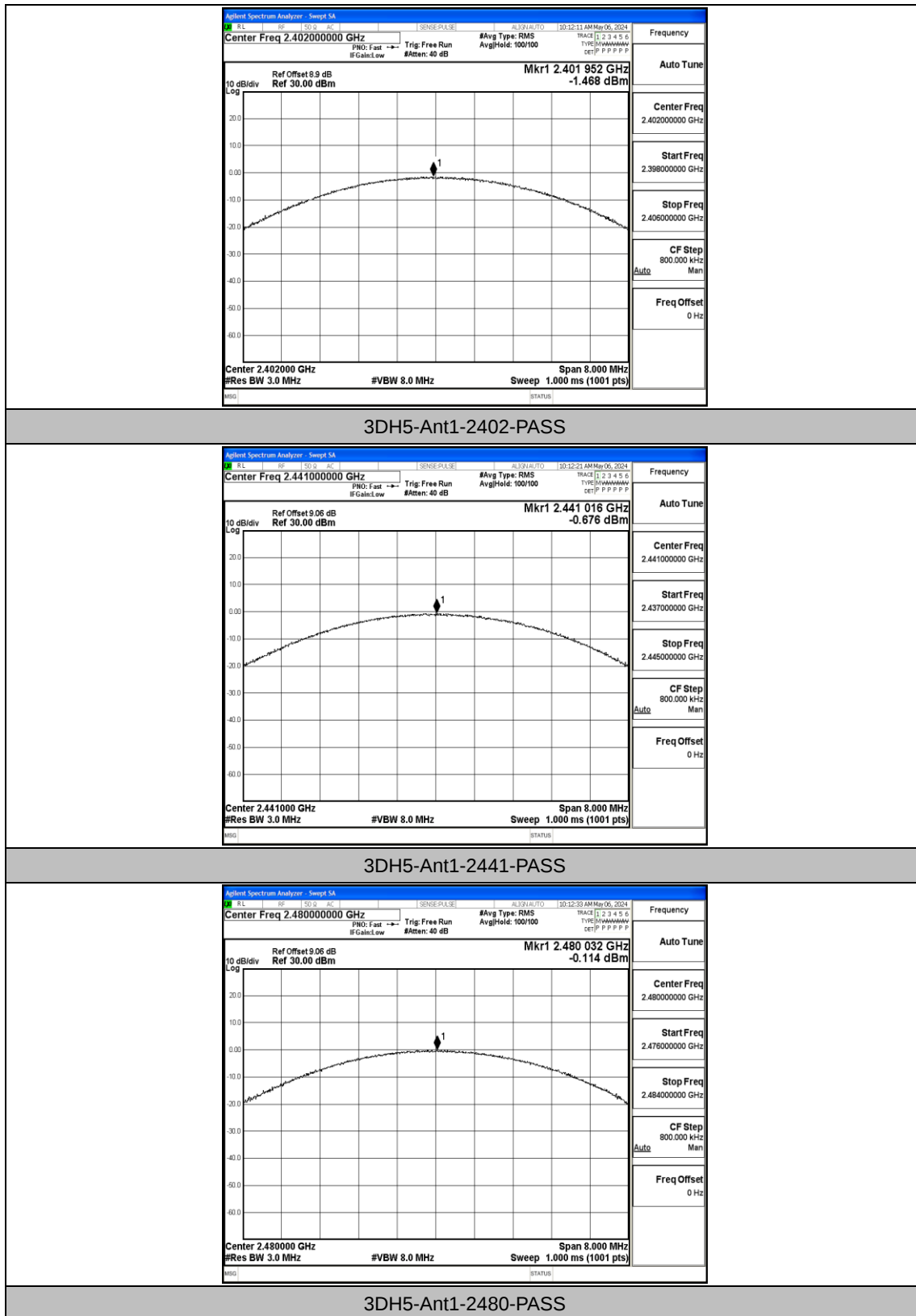
### Test Result

| Test Mode | Antenna | Frequency[MHz] | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|-----------|---------|----------------|---------------------------|----------------------|---------|
| DH5       | Ant1    | 2402           | -3.84                     | ≤20.97               | PASS    |
| DH5       | Ant1    | 2441           | -3.16                     | ≤20.97               | PASS    |
| DH5       | Ant1    | 2480           | -2.63                     | ≤20.97               | PASS    |
| 2DH5      | Ant1    | 2402           | -1.91                     | ≤20.97               | PASS    |
| 2DH5      | Ant1    | 2441           | -1.18                     | ≤20.97               | PASS    |
| 2DH5      | Ant1    | 2480           | -0.69                     | ≤20.97               | PASS    |
| 3DH5      | Ant1    | 2402           | -1.47                     | ≤20.97               | PASS    |
| 3DH5      | Ant1    | 2441           | -0.68                     | ≤20.97               | PASS    |
| 3DH5      | Ant1    | 2480           | -0.11                     | ≤20.97               | PASS    |

## Test Graphs





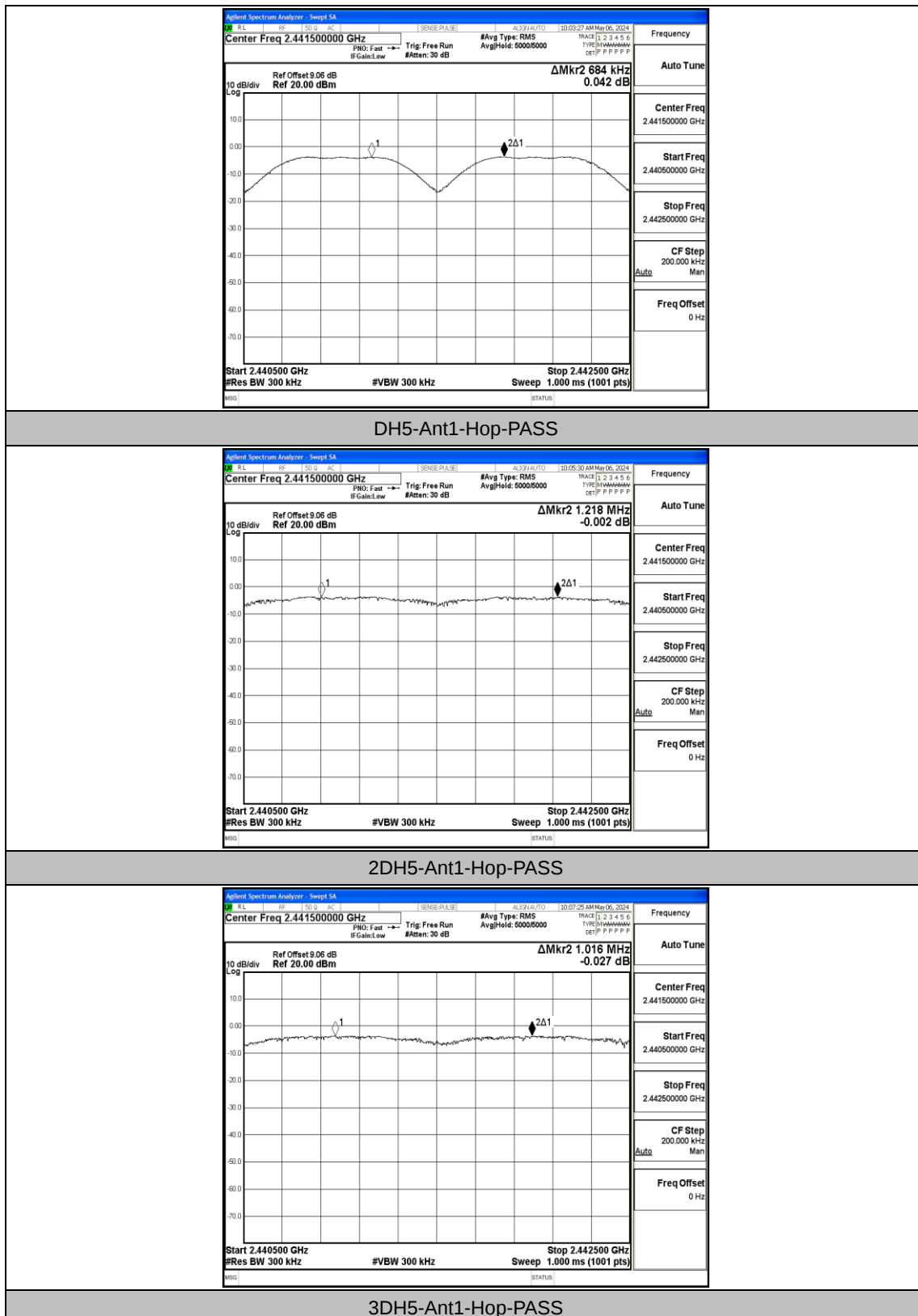


## Appendix D: Carrier frequency separation

### Test Result

| TestMode | Antenna | Frequency[MHz] | Result[MHz] | Limit[MHz]   | Verdict |
|----------|---------|----------------|-------------|--------------|---------|
| DH5      | Ant1    | Hop            | 0.684       | $\geq 0.646$ | PASS    |
| 2DH5     | Ant1    | Hop            | 1.218       | $\geq 0.894$ | PASS    |
| 3DH5     | Ant1    | Hop            | 1.016       | $\geq 0.888$ | PASS    |

## Test Graphs

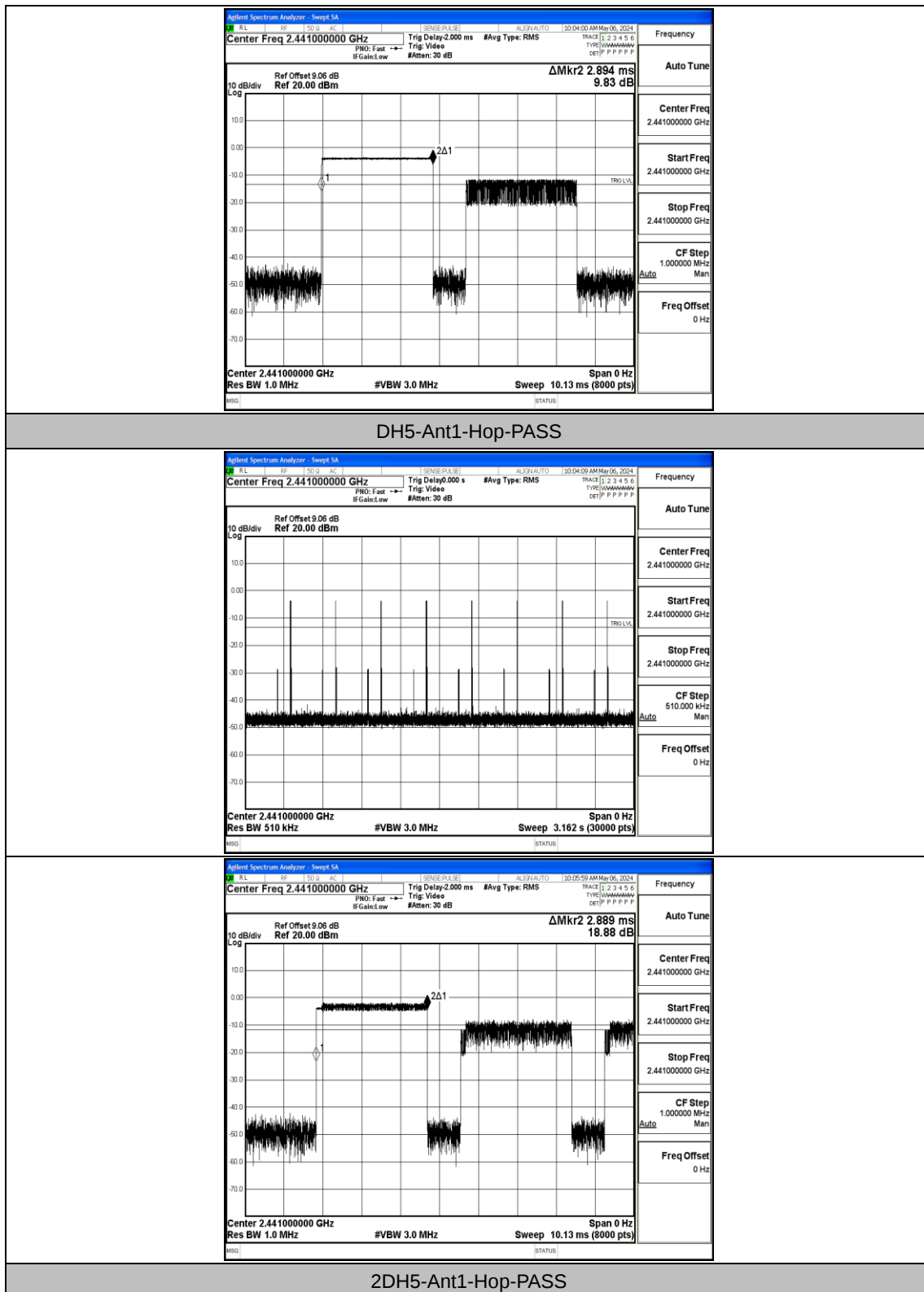


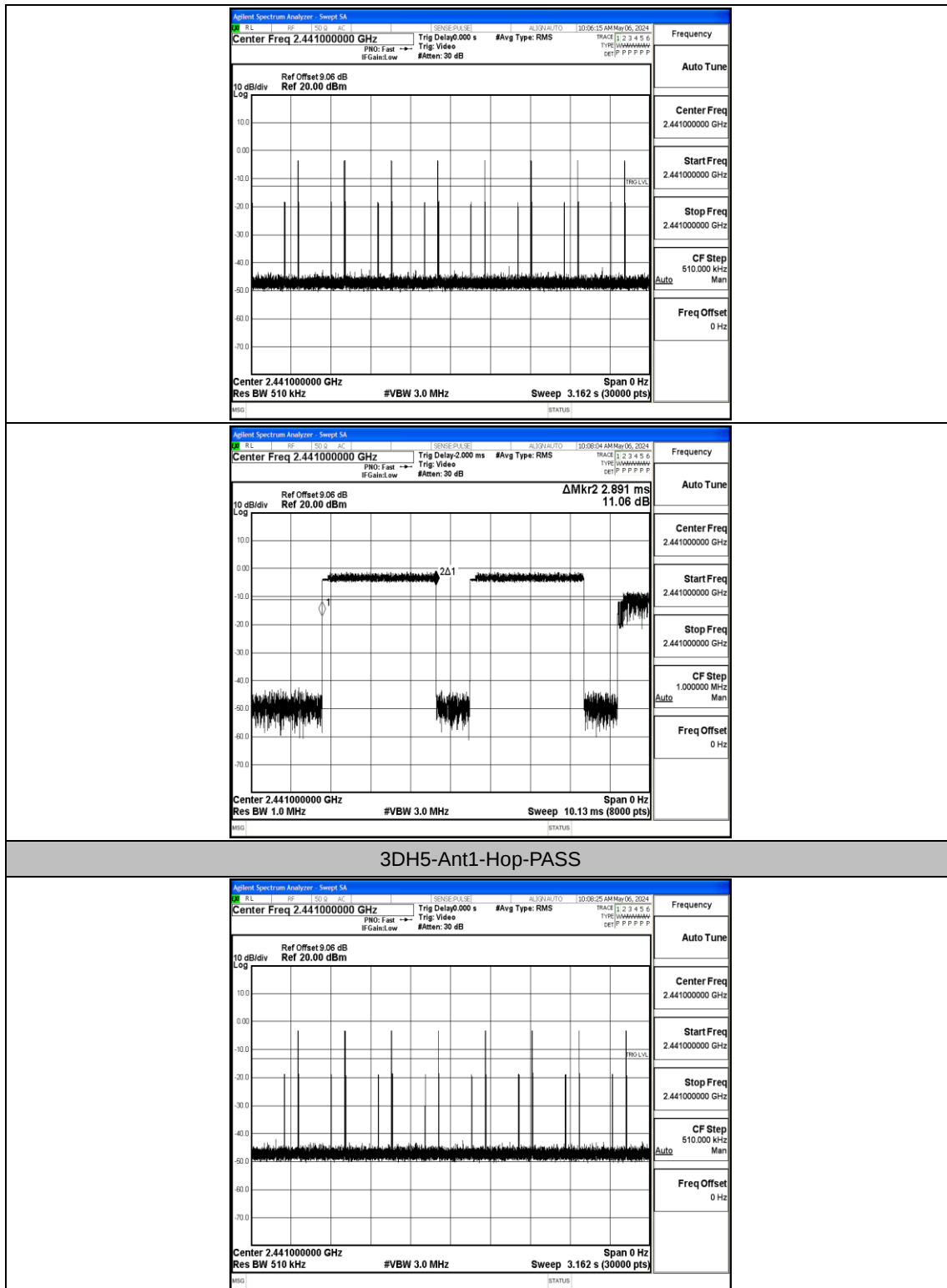
## Appendix E: Time of occupancy

### Test Result

| TestMode | Antenna | Frequency[MHz] | BurstWidth<br>[ms] | TotalHops<br>[Num] | Result[s] | Limit[s] | Verdict |
|----------|---------|----------------|--------------------|--------------------|-----------|----------|---------|
| DH5      | Ant1    | Hop            | 2.894              | 110                | 0.318     | ≤0.4     | PASS    |
| 2DH5     | Ant1    | Hop            | 2.889              | 100                | 0.289     | ≤0.4     | PASS    |
| 3DH5     | Ant1    | Hop            | 2.891              | 100                | 0.289     | ≤0.4     | PASS    |

## Test Graphs



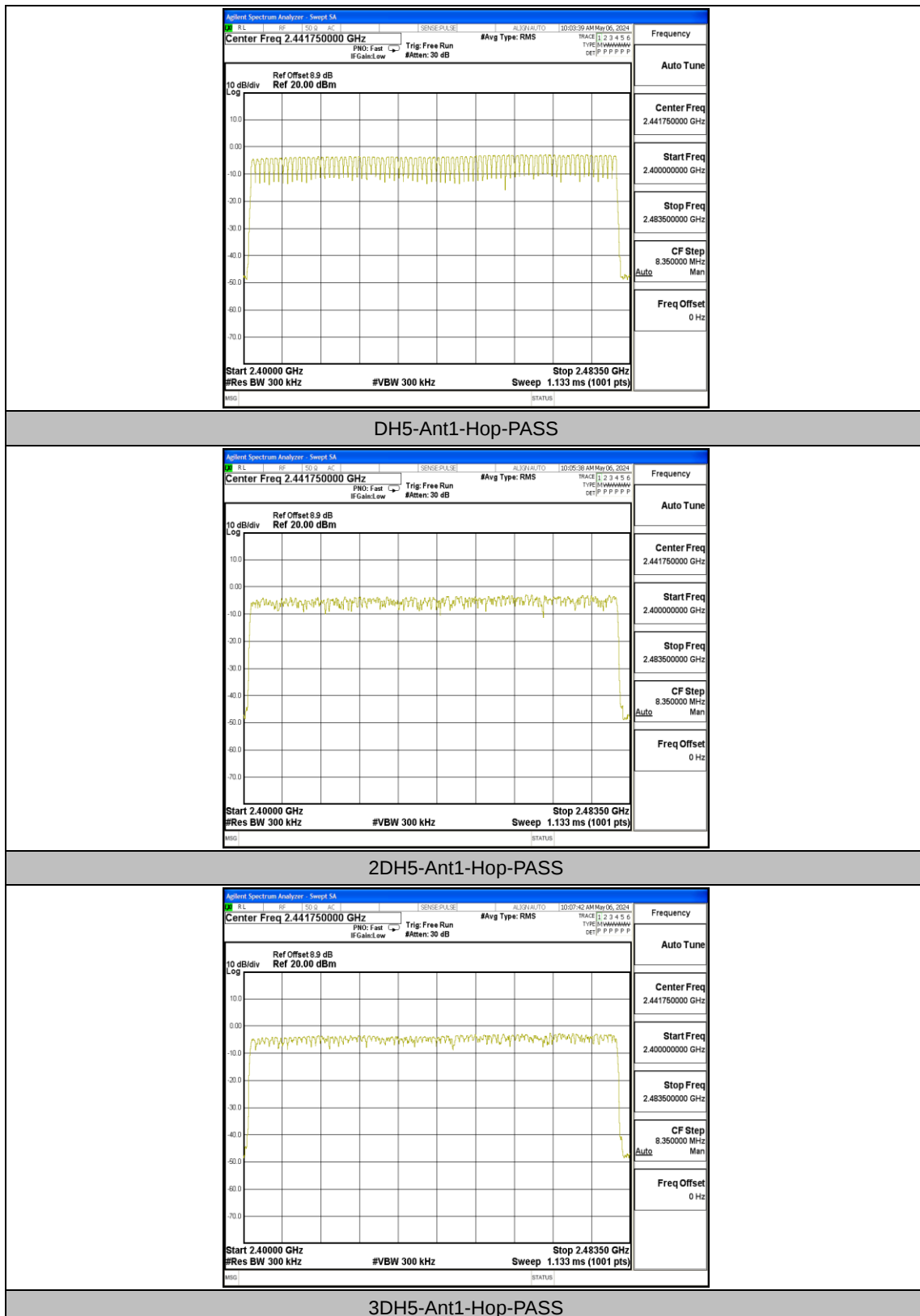


## Appendix F: Number of hopping channels

### Test Result

| TestMode | Antenna | Frequency[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

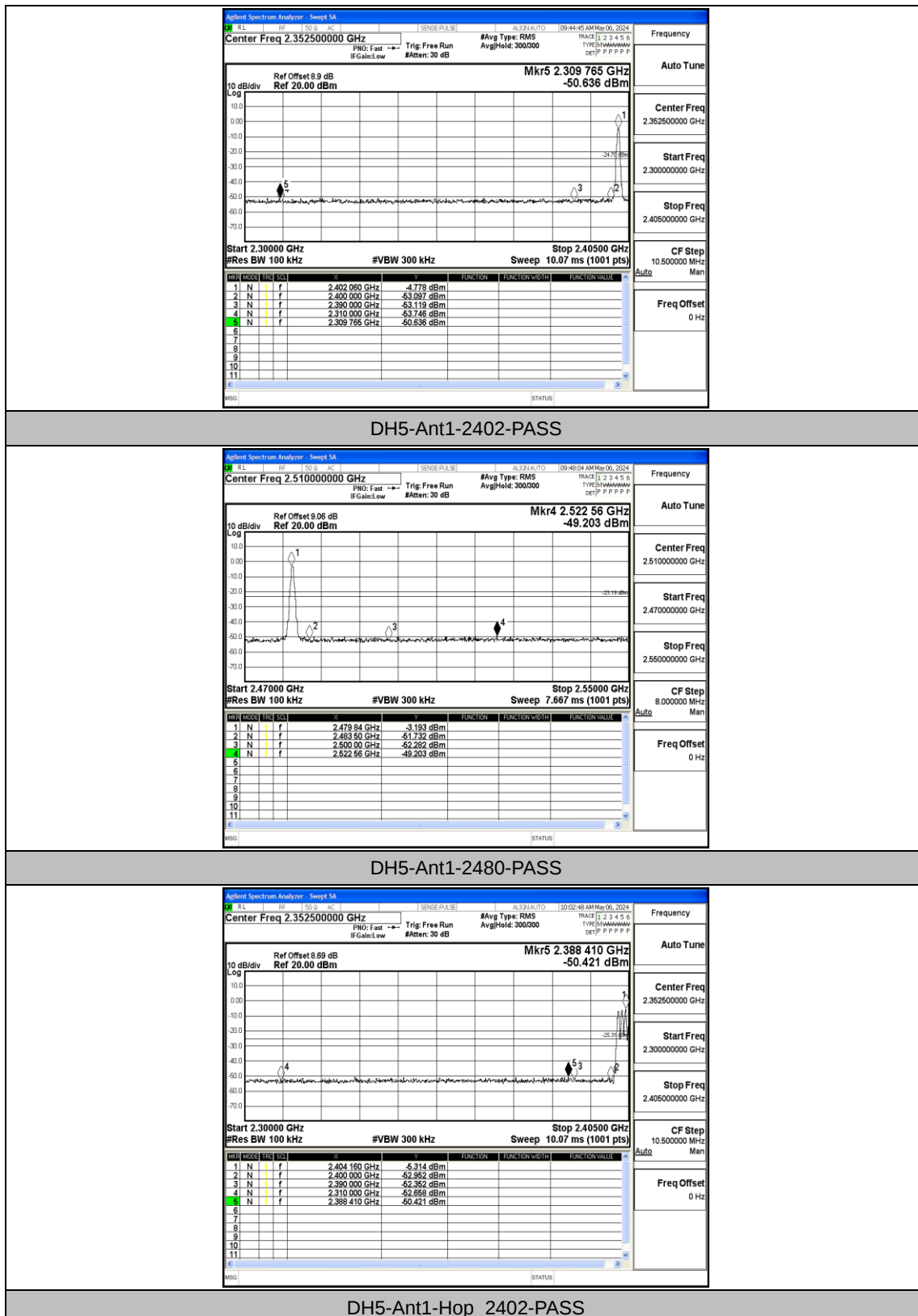


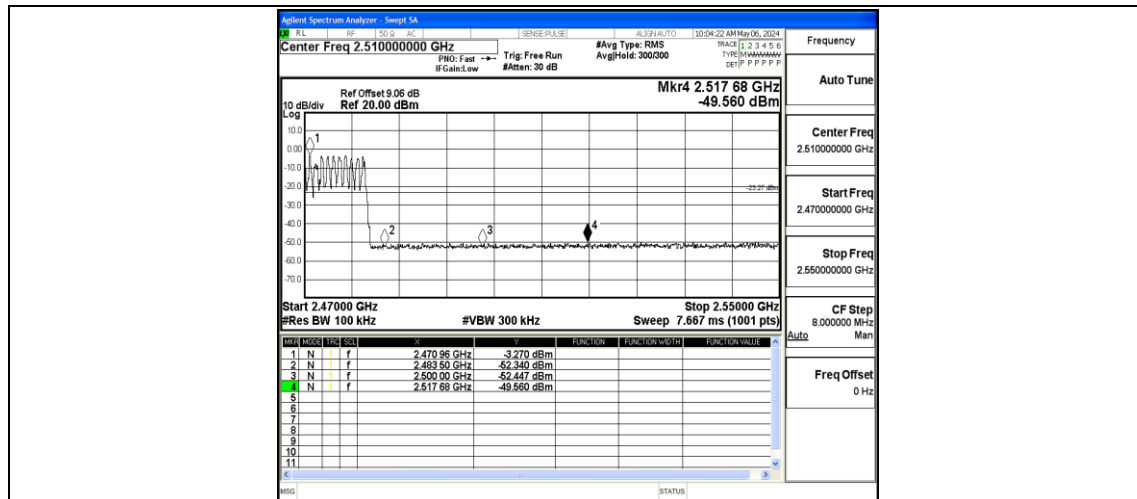
## Appendix G: Band edge measurements

### Test Result

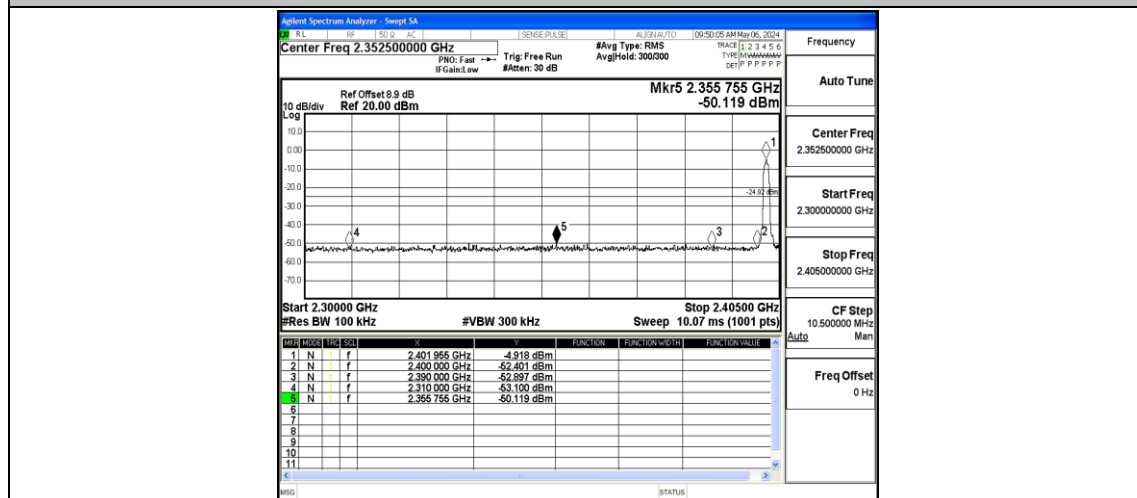
| TestMode | Antenna | ChName | Frequency[MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|--------|----------------|----------------|--------------|-------------|---------|
| DH5      | Ant1    | Low    | 2402           | -4.78          | -50.64       | ≤-24.78     | PASS    |
| DH5      | Ant1    | High   | 2480           | -3.19          | -49.2        | ≤-23.19     | PASS    |
| DH5      | Ant1    | Low    | Hop_2402       | -5.31          | -50.42       | ≤-25.31     | PASS    |
| DH5      | Ant1    | High   | Hop_2480       | -3.27          | -49.56       | ≤-23.27     | PASS    |
| 2DH5     | Ant1    | Low    | 2402           | -4.92          | -50.12       | ≤-24.92     | PASS    |
| 2DH5     | Ant1    | High   | 2480           | -3.25          | -49.42       | ≤-23.25     | PASS    |
| 2DH5     | Ant1    | Low    | Hop_2402       | -7.23          | -49.98       | ≤-27.23     | PASS    |
| 2DH5     | Ant1    | High   | Hop_2480       | -3.14          | -48.77       | ≤-23.14     | PASS    |
| 3DH5     | Ant1    | Low    | 2402           | -4.59          | -50.36       | ≤-24.59     | PASS    |
| 3DH5     | Ant1    | High   | 2480           | -3.25          | -49.2        | ≤-23.25     | PASS    |
| 3DH5     | Ant1    | Low    | Hop_2402       | -7.57          | -50.9        | ≤-27.57     | PASS    |
| 3DH5     | Ant1    | High   | Hop_2480       | -5.16          | -49.56       | ≤-25.16     | PASS    |

## Test Graphs

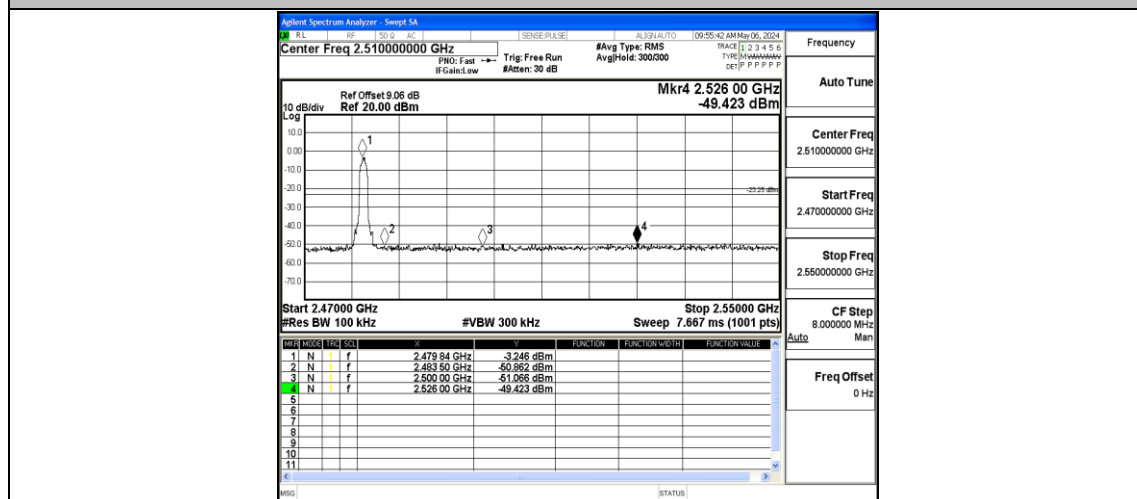




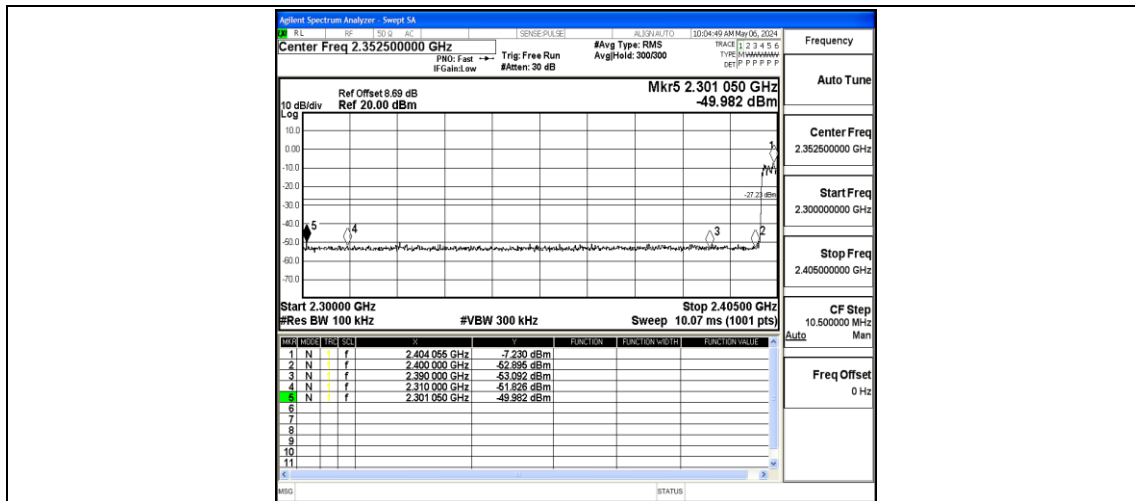
## DH5-Ant1-Hop\_2480-PASS



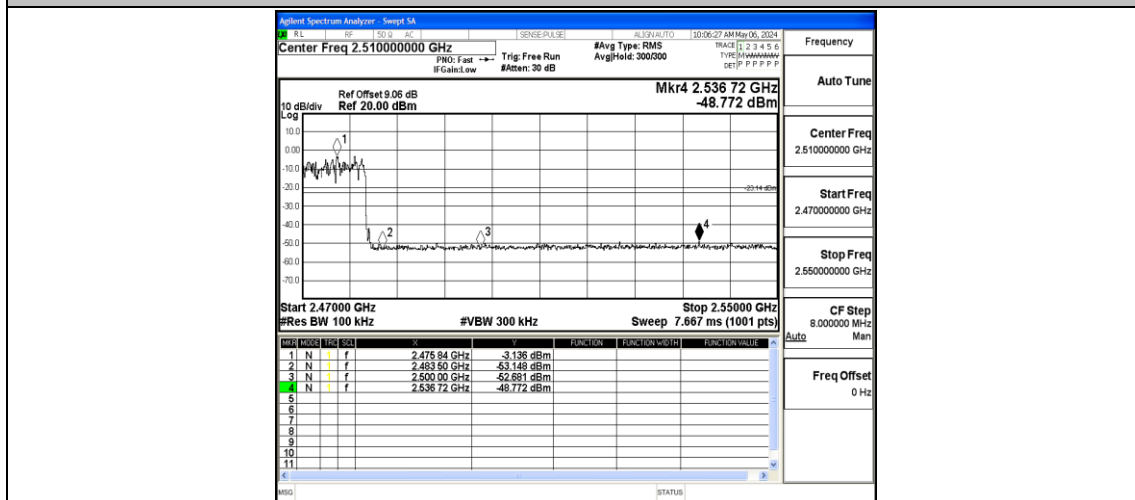
## 2DH5-Ant1-2402-PASS



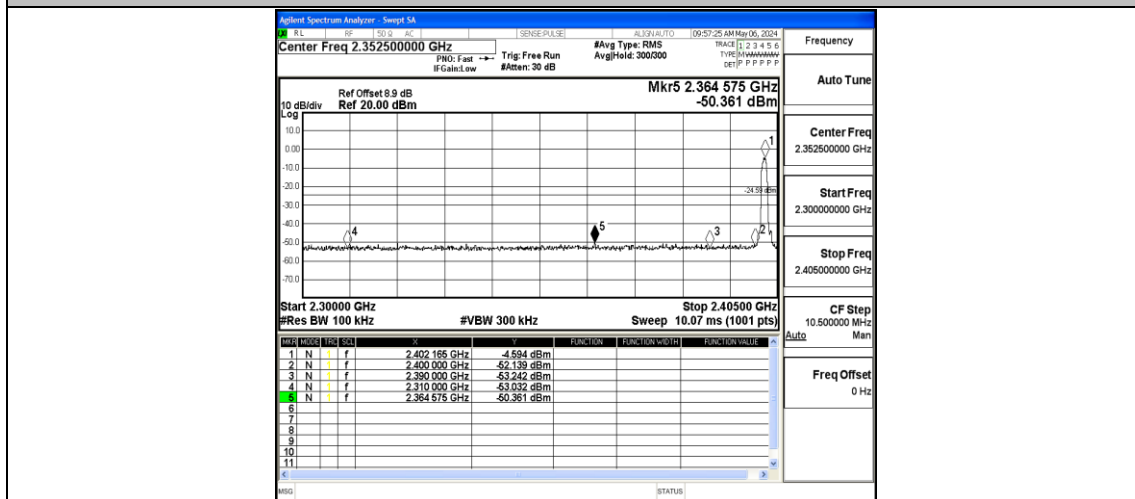
## 2DH5-Ant1-2480-PASS



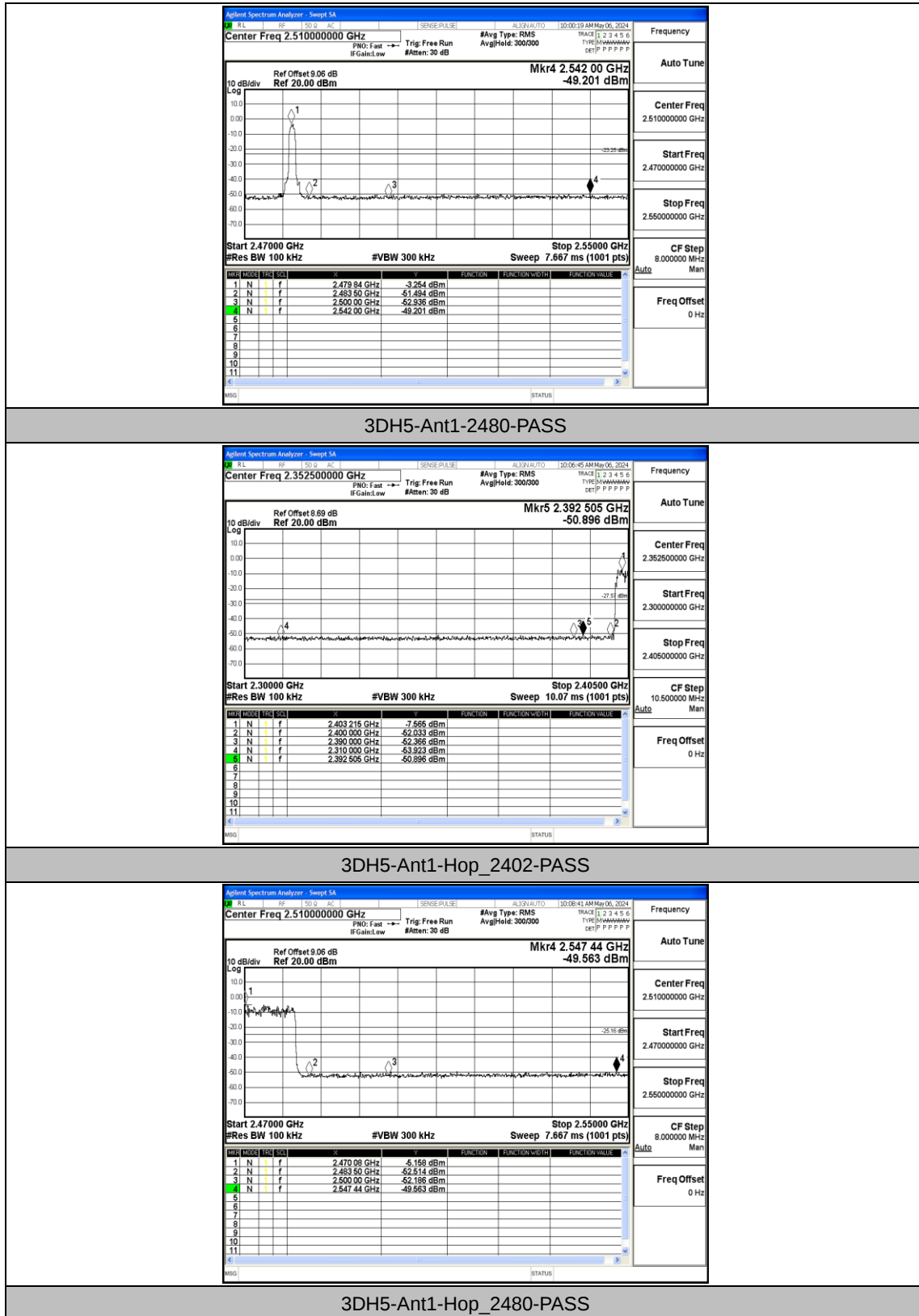
## 2DH5-Ant1-Hop\_2402-PASS



## 2DH5-Ant1-Hop\_2480-PASS



## 3DH5-Ant1-2402-PASS

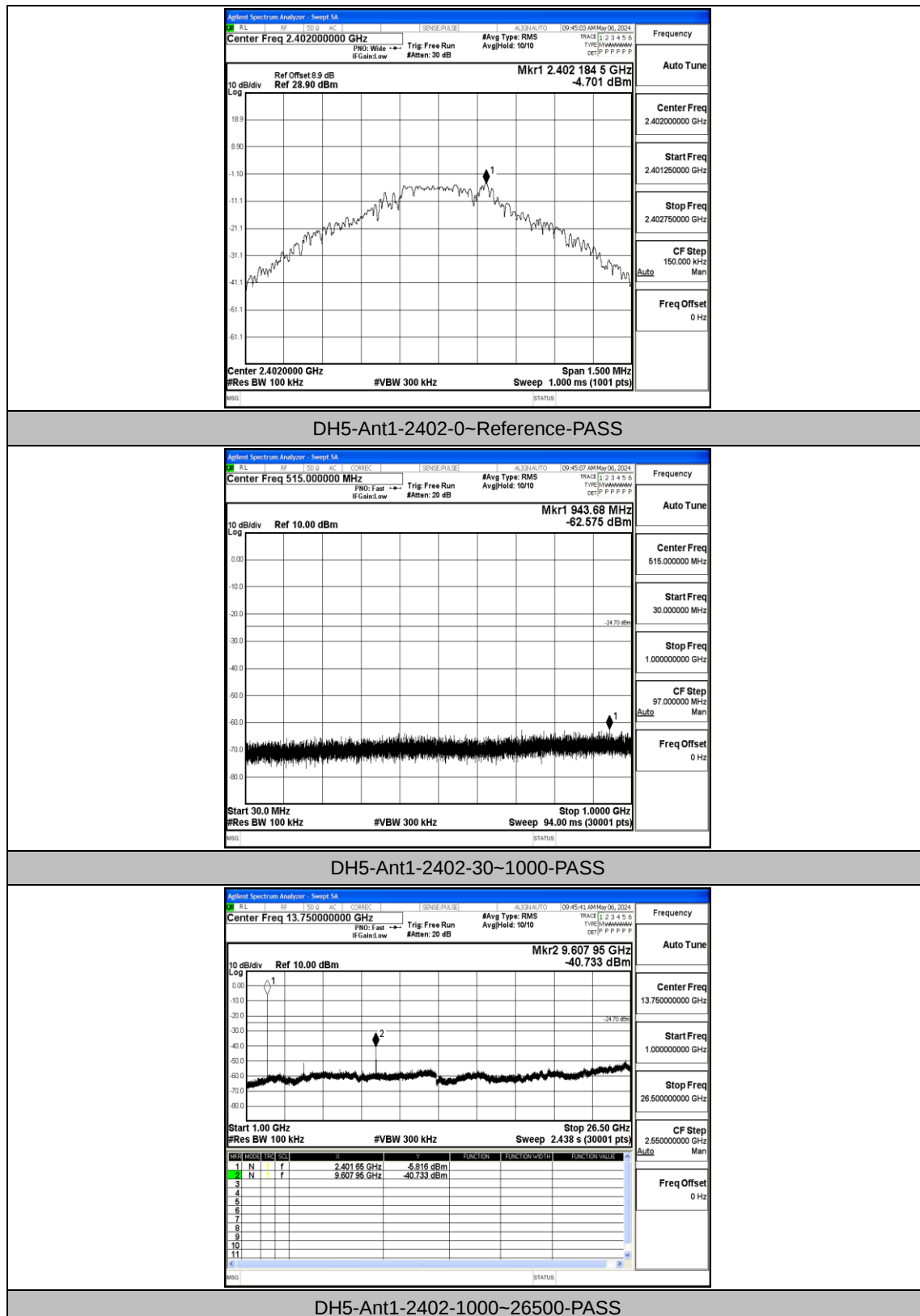


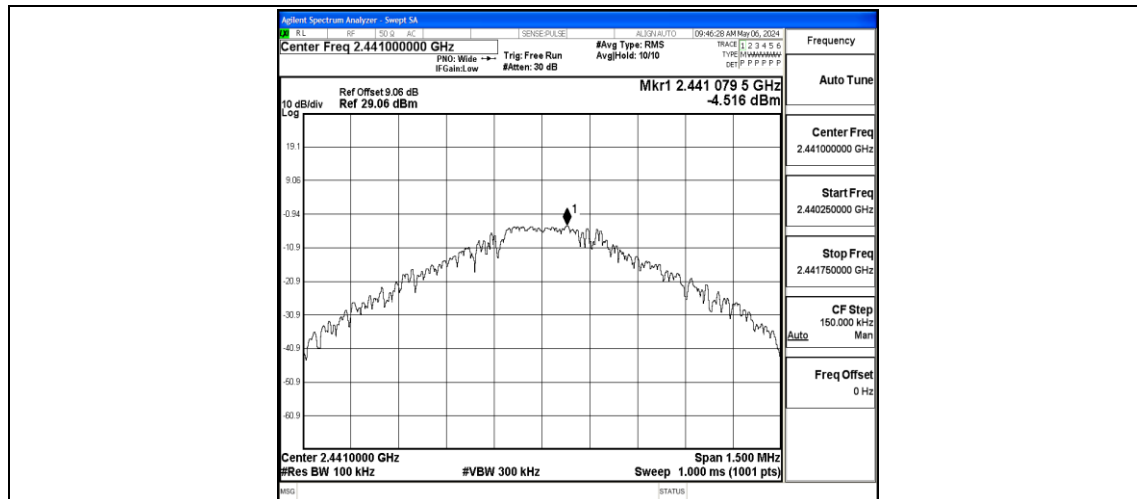
## Appendix H: Conducted Spurious Emission

### Test Result

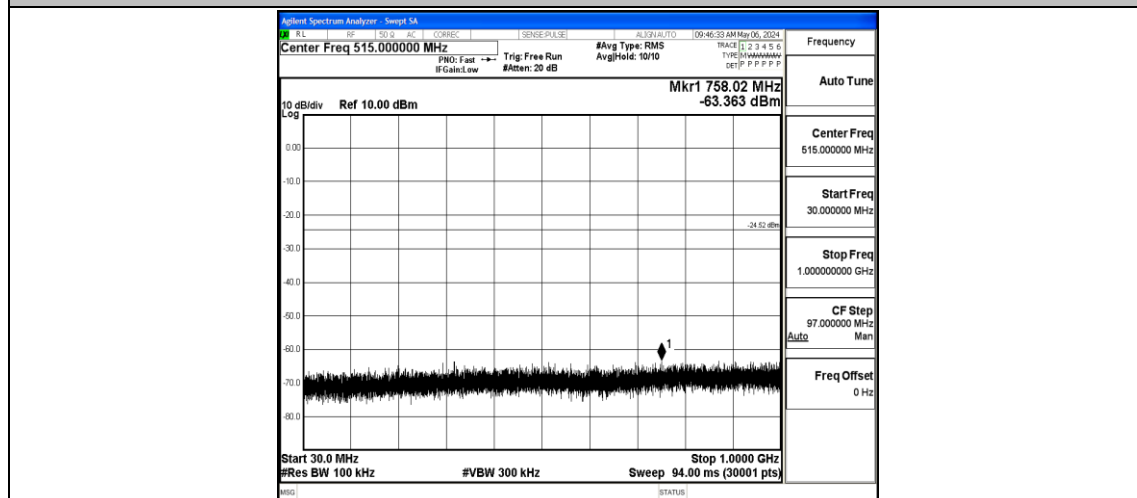
| TestMode | Antenna | Frequency[MHz] | FreqRange [MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|----------------|-----------------|----------------|--------------|-------------|---------|
| DH5      | Ant1    | 2402           | 0~Reference     | -4.70          | -4.70        | ---         | PASS    |
| DH5      | Ant1    | 2402           | 30~1000         | -4.70          | -62.58       | ≤-24.7      | PASS    |
| DH5      | Ant1    | 2402           | 1000~26500      | -4.70          | -40.73       | ≤-24.7      | PASS    |
| DH5      | Ant1    | 2441           | 0~Reference     | -4.52          | -4.52        | ---         | PASS    |
| DH5      | Ant1    | 2441           | 30~1000         | -4.52          | -63.36       | ≤-24.52     | PASS    |
| DH5      | Ant1    | 2441           | 1000~26500      | -4.52          | -40.21       | ≤-24.52     | PASS    |
| DH5      | Ant1    | 2480           | 0~Reference     | -4.05          | -4.05        | ---         | PASS    |
| DH5      | Ant1    | 2480           | 30~1000         | -4.05          | -62.84       | ≤-24.05     | PASS    |
| DH5      | Ant1    | 2480           | 1000~26500      | -4.05          | -41.06       | ≤-24.05     | PASS    |
| 2DH5     | Ant1    | 2402           | 0~Reference     | -6.01          | -6.01        | ---         | PASS    |
| 2DH5     | Ant1    | 2402           | 30~1000         | -6.01          | -62.02       | ≤-26.01     | PASS    |
| 2DH5     | Ant1    | 2402           | 1000~26500      | -6.01          | -40.76       | ≤-26.01     | PASS    |
| 2DH5     | Ant1    | 2441           | 0~Reference     | -4.08          | -4.08        | ---         | PASS    |
| 2DH5     | Ant1    | 2441           | 30~1000         | -4.08          | -62.75       | ≤-24.08     | PASS    |
| 2DH5     | Ant1    | 2441           | 1000~26500      | -4.08          | -39.9        | ≤-24.08     | PASS    |
| 2DH5     | Ant1    | 2480           | 0~Reference     | -3.91          | -3.91        | ---         | PASS    |
| 2DH5     | Ant1    | 2480           | 30~1000         | -3.91          | -62.98       | ≤-23.91     | PASS    |
| 2DH5     | Ant1    | 2480           | 1000~26500      | -3.91          | -40.98       | ≤-23.91     | PASS    |
| 3DH5     | Ant1    | 2402           | 0~Reference     | -6.54          | -6.54        | ---         | PASS    |
| 3DH5     | Ant1    | 2402           | 30~1000         | -6.54          | -62.11       | ≤-26.54     | PASS    |
| 3DH5     | Ant1    | 2402           | 1000~26500      | -6.54          | -40.68       | ≤-26.54     | PASS    |
| 3DH5     | Ant1    | 2441           | 0~Reference     | -4.52          | -4.52        | ---         | PASS    |
| 3DH5     | Ant1    | 2441           | 30~1000         | -4.52          | -62.12       | ≤-24.52     | PASS    |
| 3DH5     | Ant1    | 2441           | 1000~26500      | -4.52          | -39.9        | ≤-24.52     | PASS    |
| 3DH5     | Ant1    | 2480           | 0~Reference     | -4.04          | -4.04        | ---         | PASS    |
| 3DH5     | Ant1    | 2480           | 30~1000         | -4.04          | -63.16       | ≤-24.04     | PASS    |
| 3DH5     | Ant1    | 2480           | 1000~26500      | -4.04          | -40.65       | ≤-24.04     | PASS    |

## Test Graphs

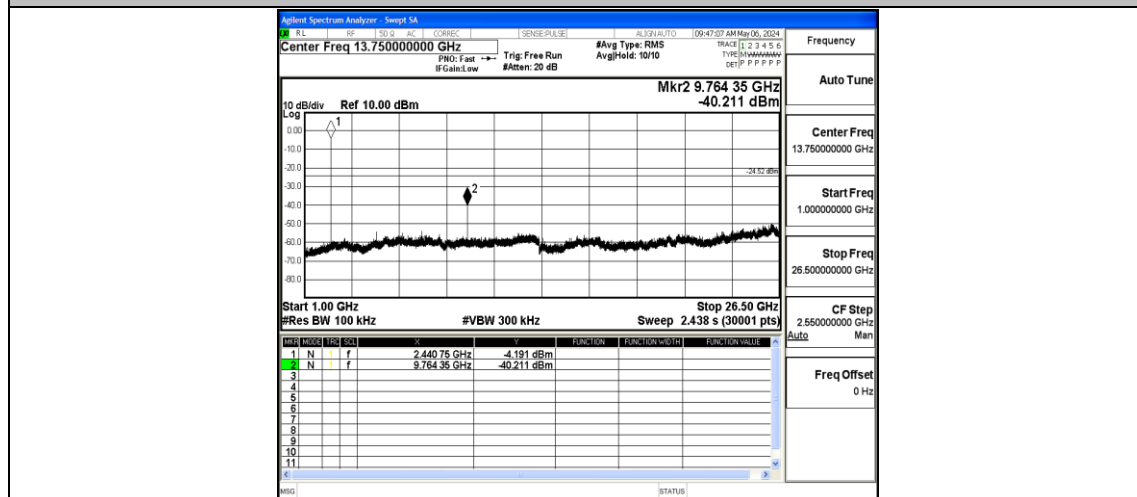




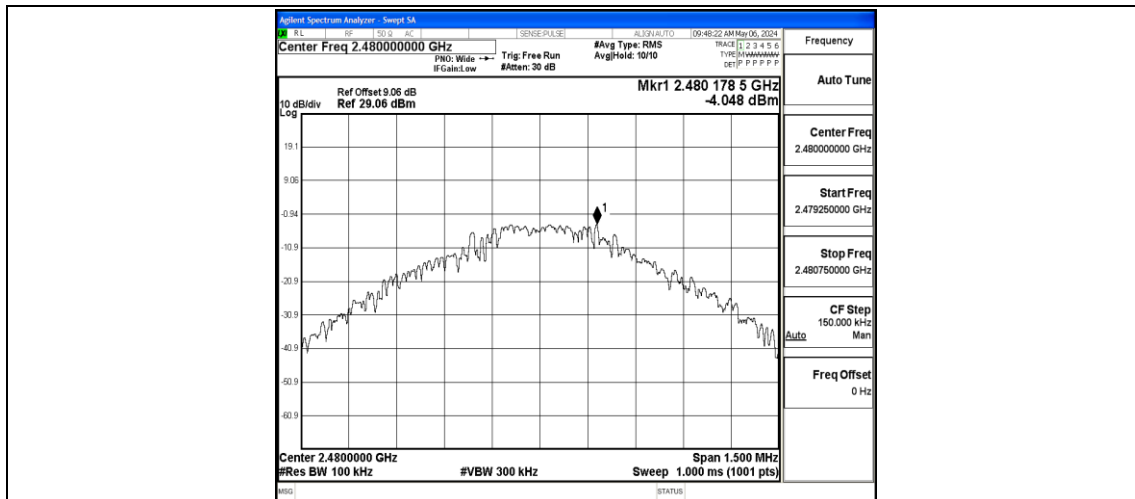
## DH5-Ant1-2441-0~Reference-PASS



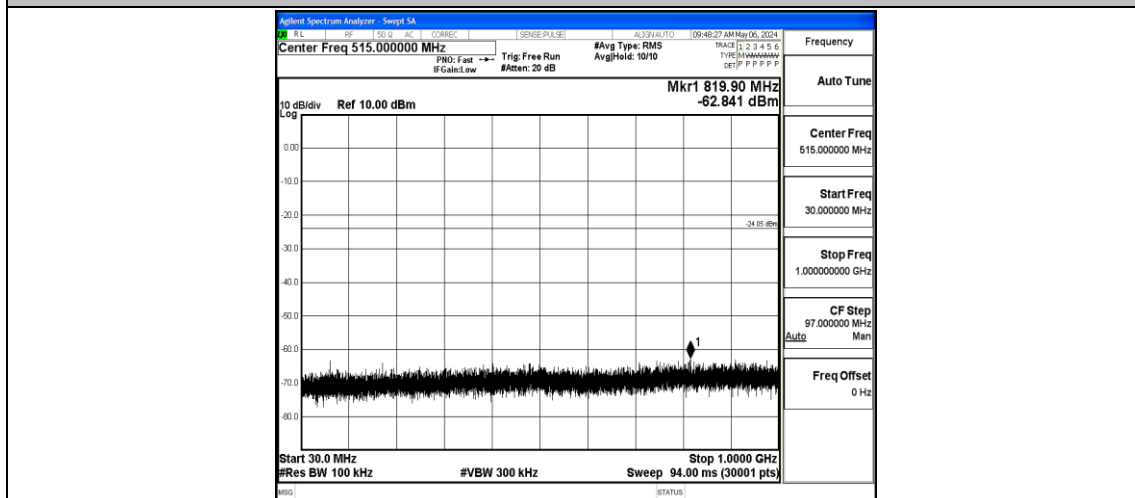
## DH5-Ant1-2441-30~1000-PASS



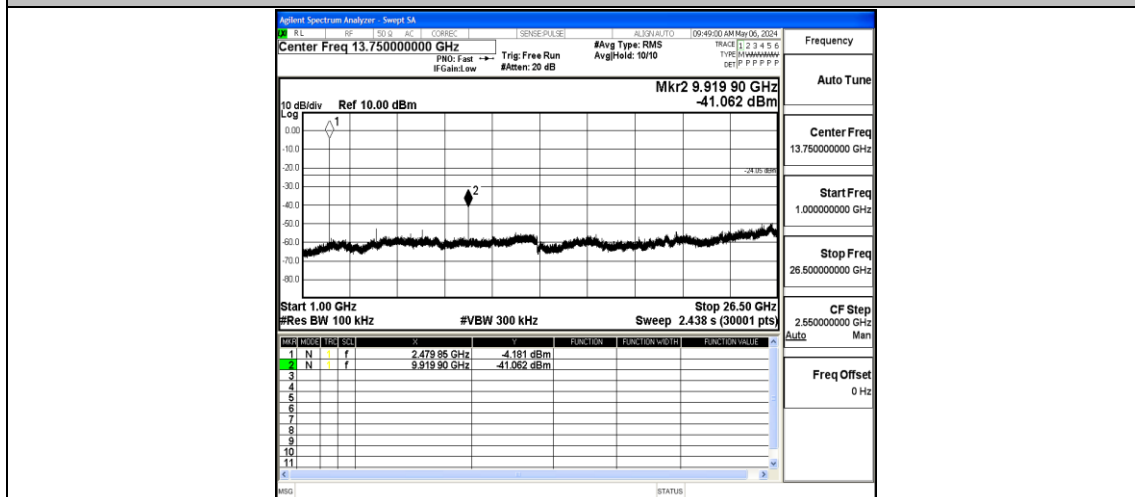
## DH5-Ant1-2441-1000~26500-PASS



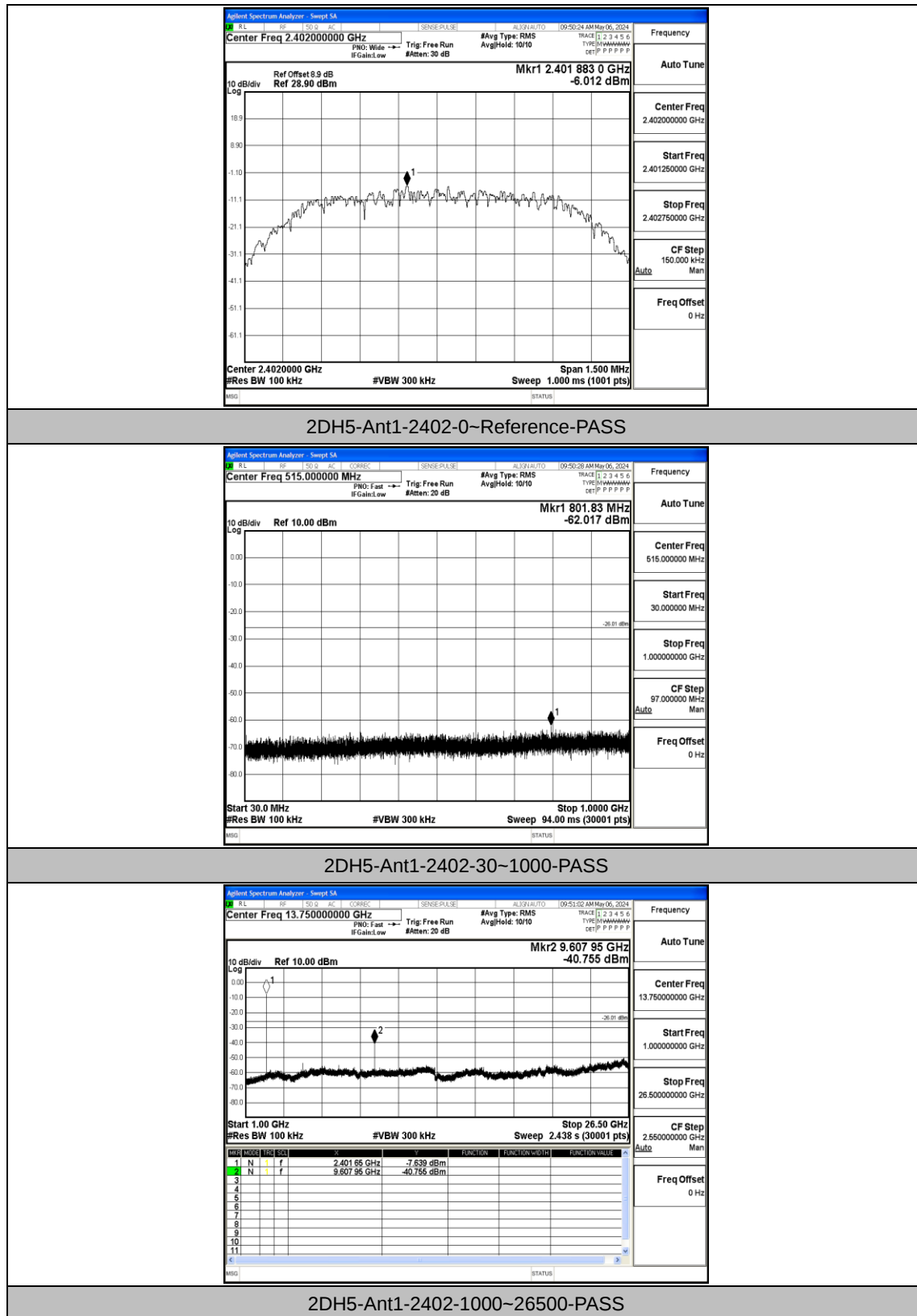
DH5-Ant1-2480-0~Reference-PASS

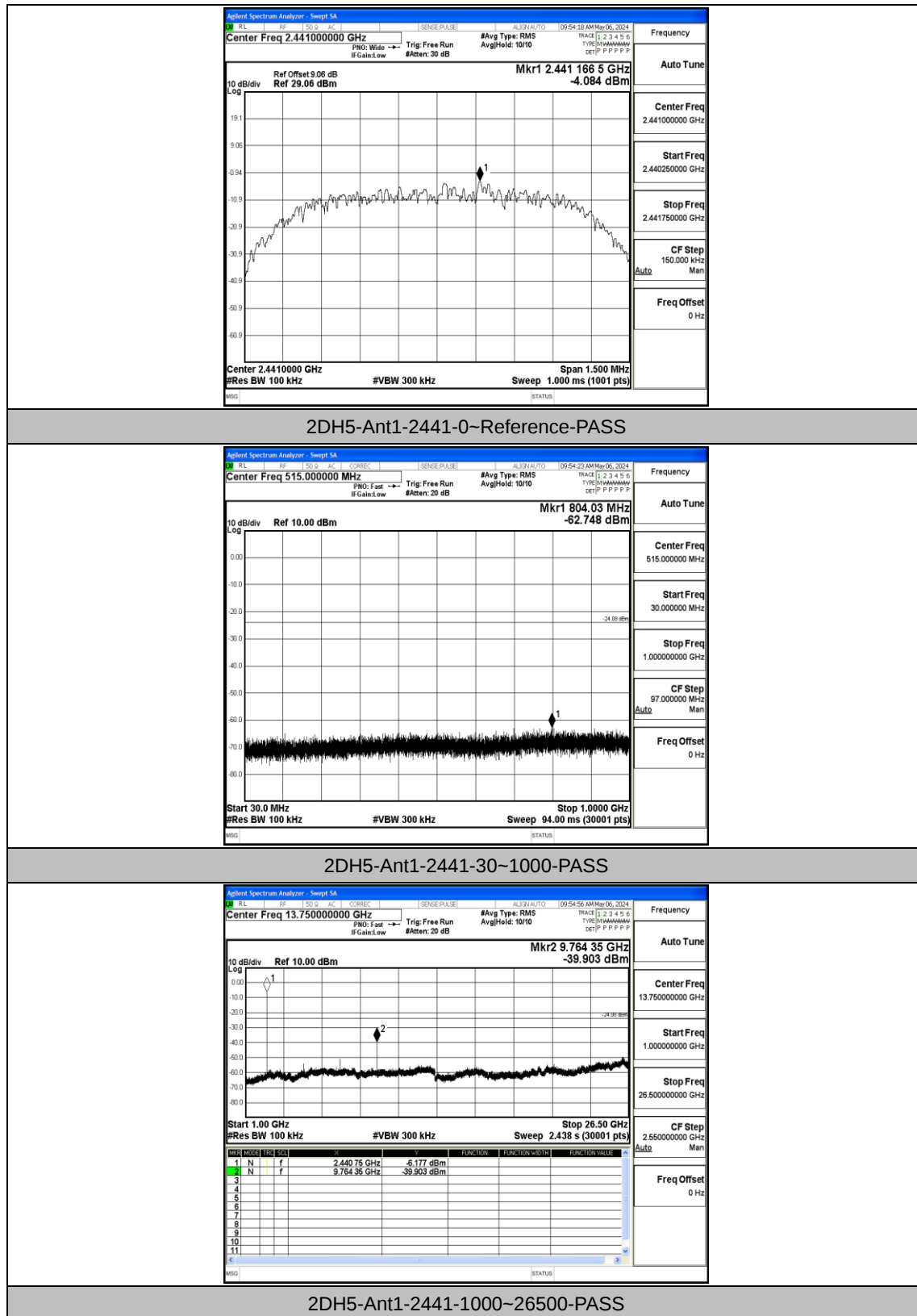


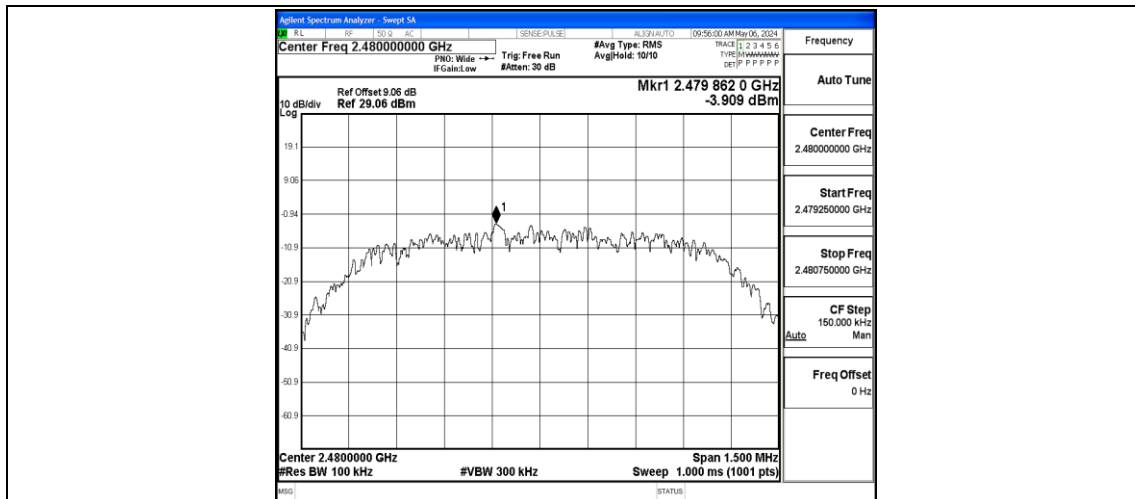
DH5-Ant1-2480-30~1000-PASS



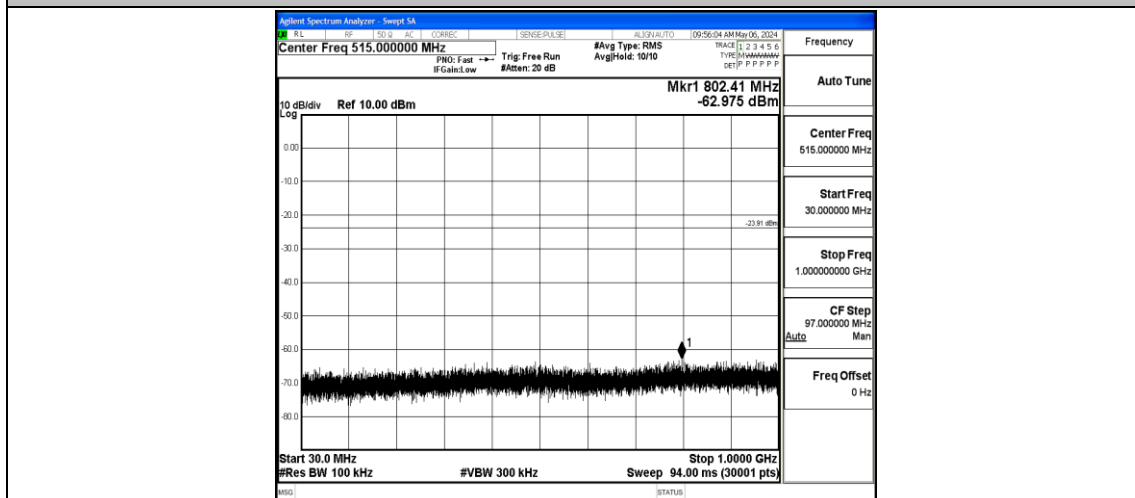
DH5-Ant1-2480-1000~26500-PASS



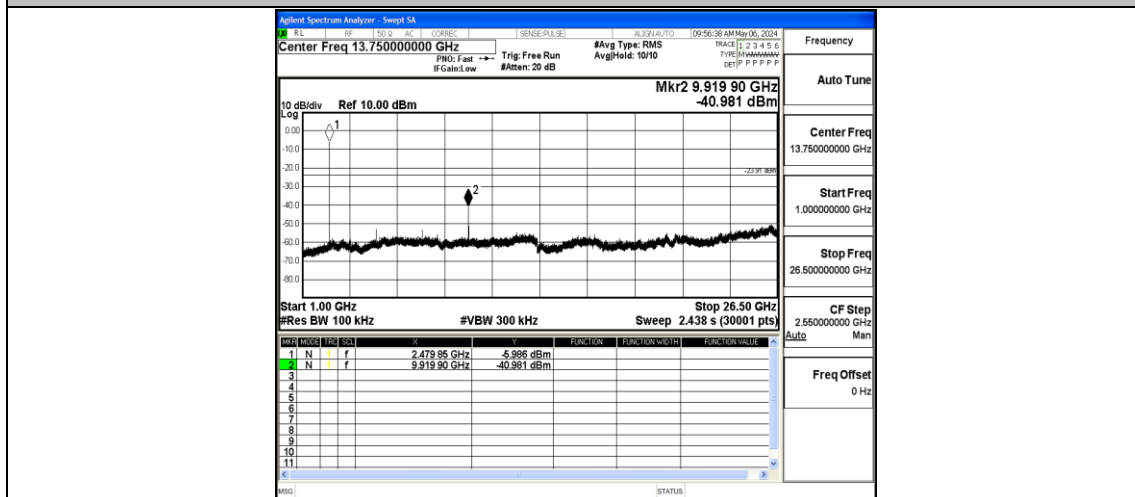




2DH5-Ant1-2480-0~Reference-PASS



2DH5-Ant1-2480-30~1000-PASS



2DH5-Ant1-2480-1000~26500-PASS