

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

Product Name: Wireless Magnetic Microphone

Trade Mark: N/A

Test Model: H01

FCC ID: 2ASXW-H01

### Environmental Conditions

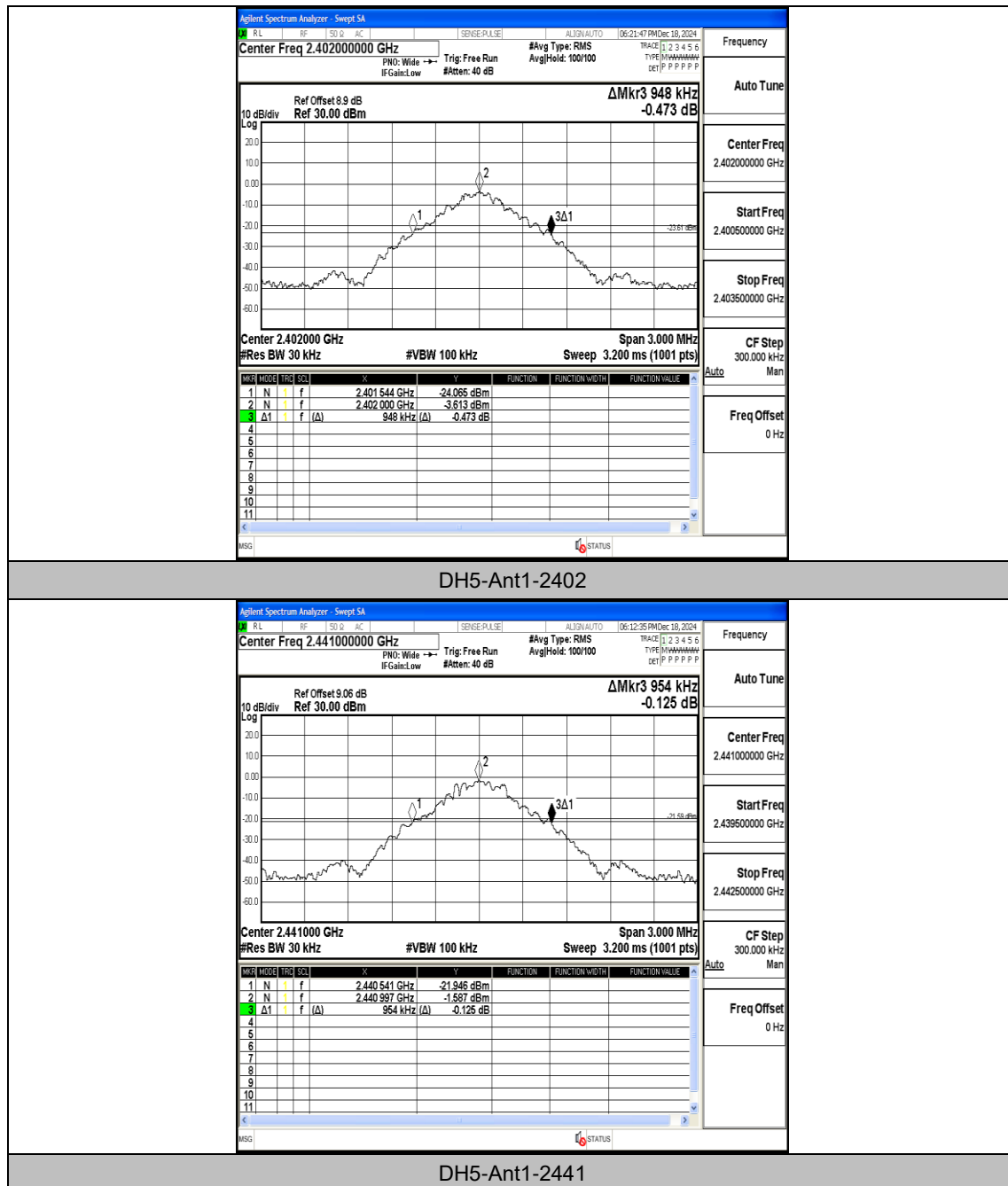
|                    |           |
|--------------------|-----------|
| Temperature:       | 23.5℃     |
| Relative Humidity: | 58%       |
| ATM Pressure:      | 100.0 kPa |
| Test Engineer:     | Allen Lai |
| Supervised by:     | Hugo Chen |
| NOTE               | N/A       |

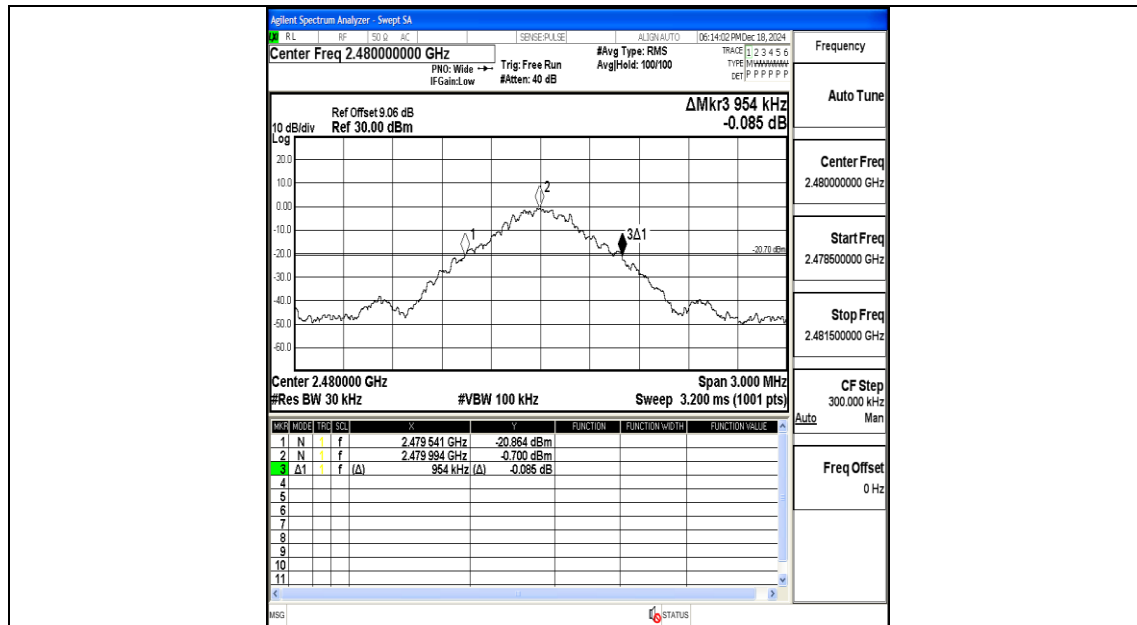
## Appendix A: 20dB Emission Bandwidth

### Test Result

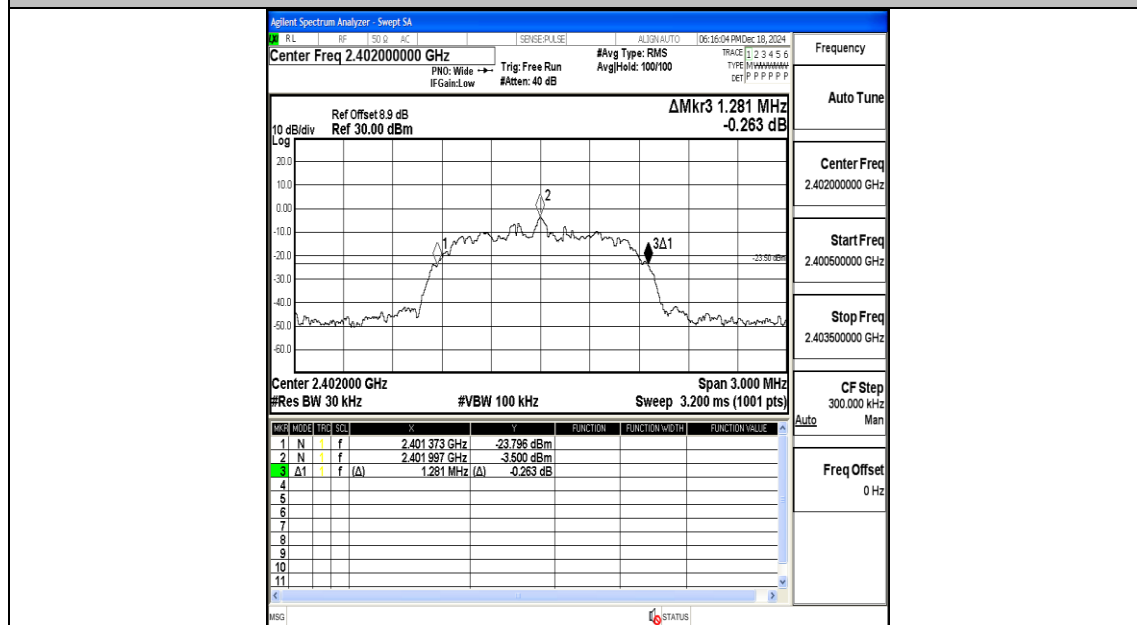
| Test Mode | Antenna | Frequency [MHz] | 20db EBW [MHz] | FL [MHz] | FH [MHz] | Limit [MHz] | Verdict |
|-----------|---------|-----------------|----------------|----------|----------|-------------|---------|
| DH5       | Ant1    | 2402            | 0.948          | 2401.544 | 2402.492 | ---         | ---     |
| DH5       | Ant1    | 2441            | 0.954          | 2440.541 | 2441.495 | ---         | ---     |
| DH5       | Ant1    | 2480            | 0.954          | 2479.541 | 2480.495 | ---         | ---     |
| 2DH5      | Ant1    | 2402            | 1.281          | 2401.373 | 2402.654 | ---         | ---     |
| 2DH5      | Ant1    | 2441            | 1.284          | 2440.373 | 2441.657 | ---         | ---     |
| 2DH5      | Ant1    | 2480            | 1.311          | 2479.349 | 2480.660 | ---         | ---     |

## Test Graphs

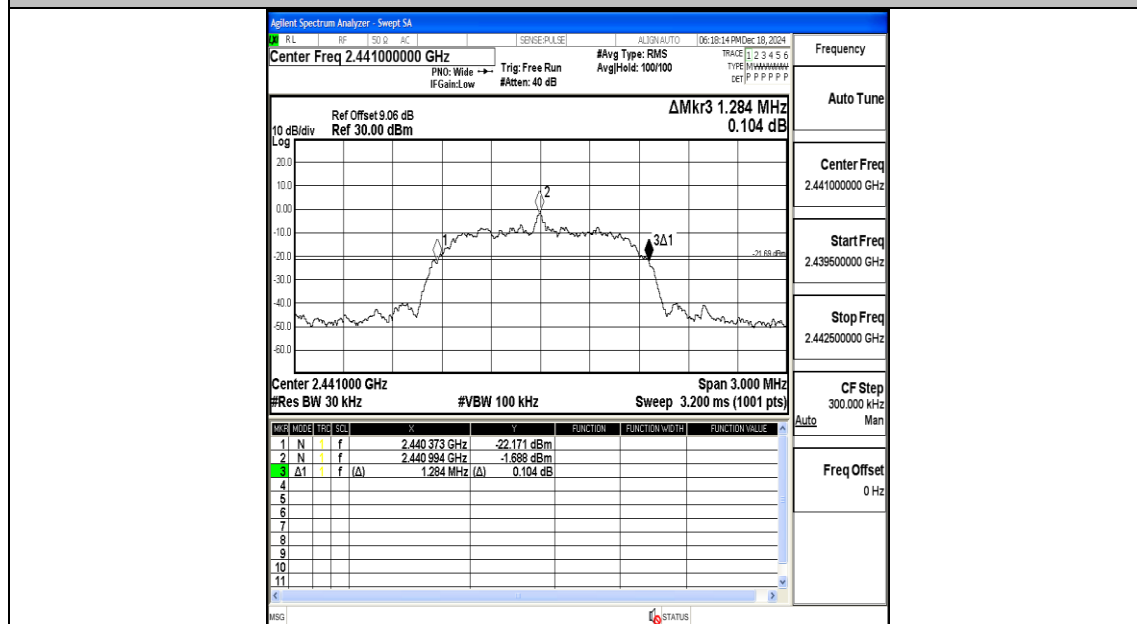




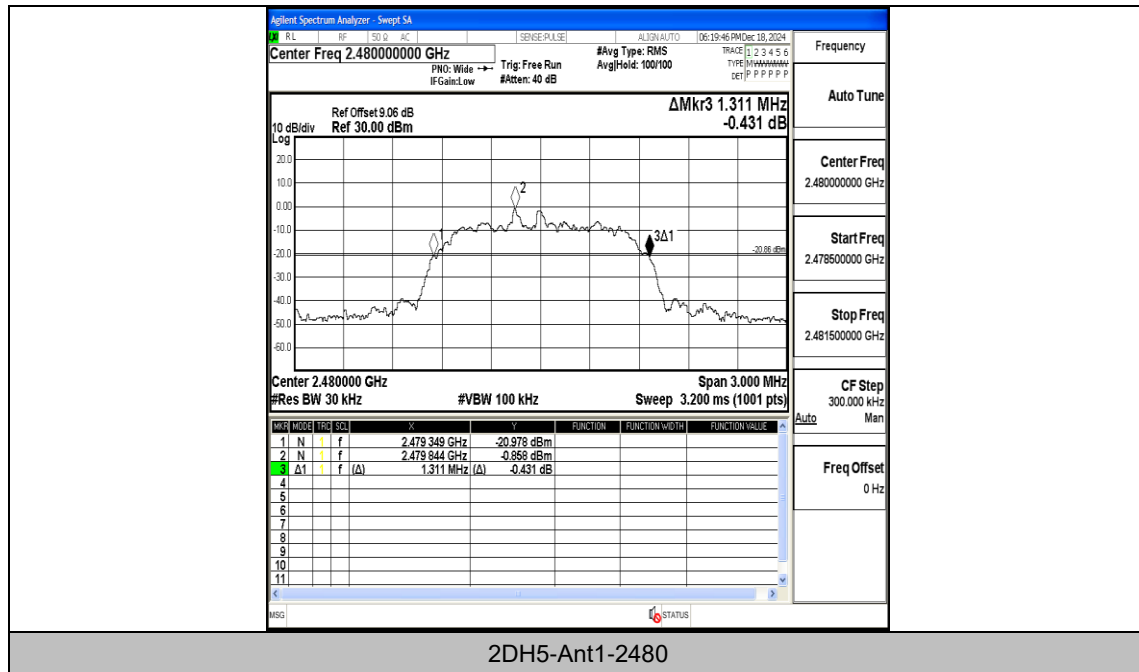
DH5-Ant1-2480



2DH5-Ant1-2402



2DH5-Ant1-2441

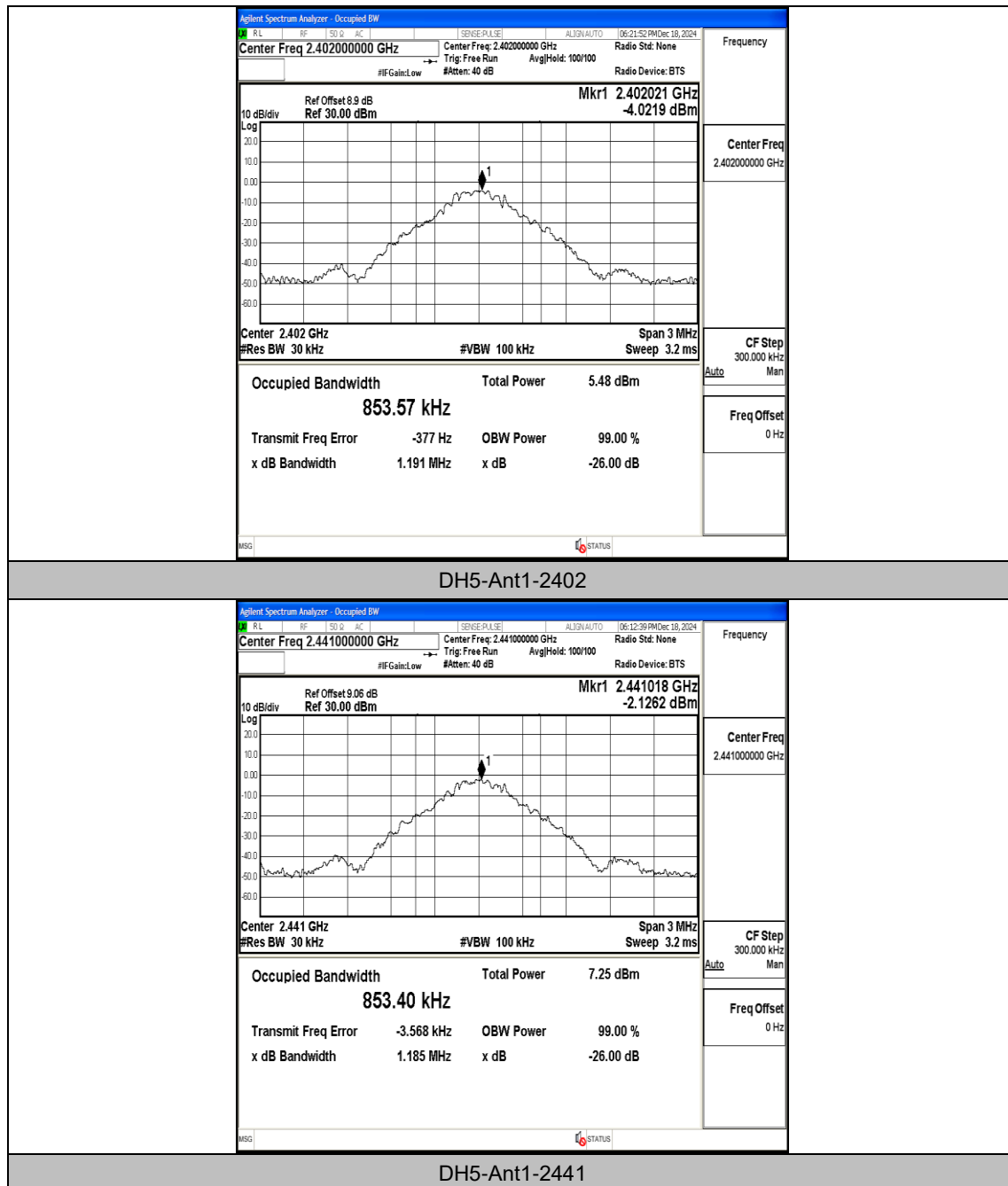


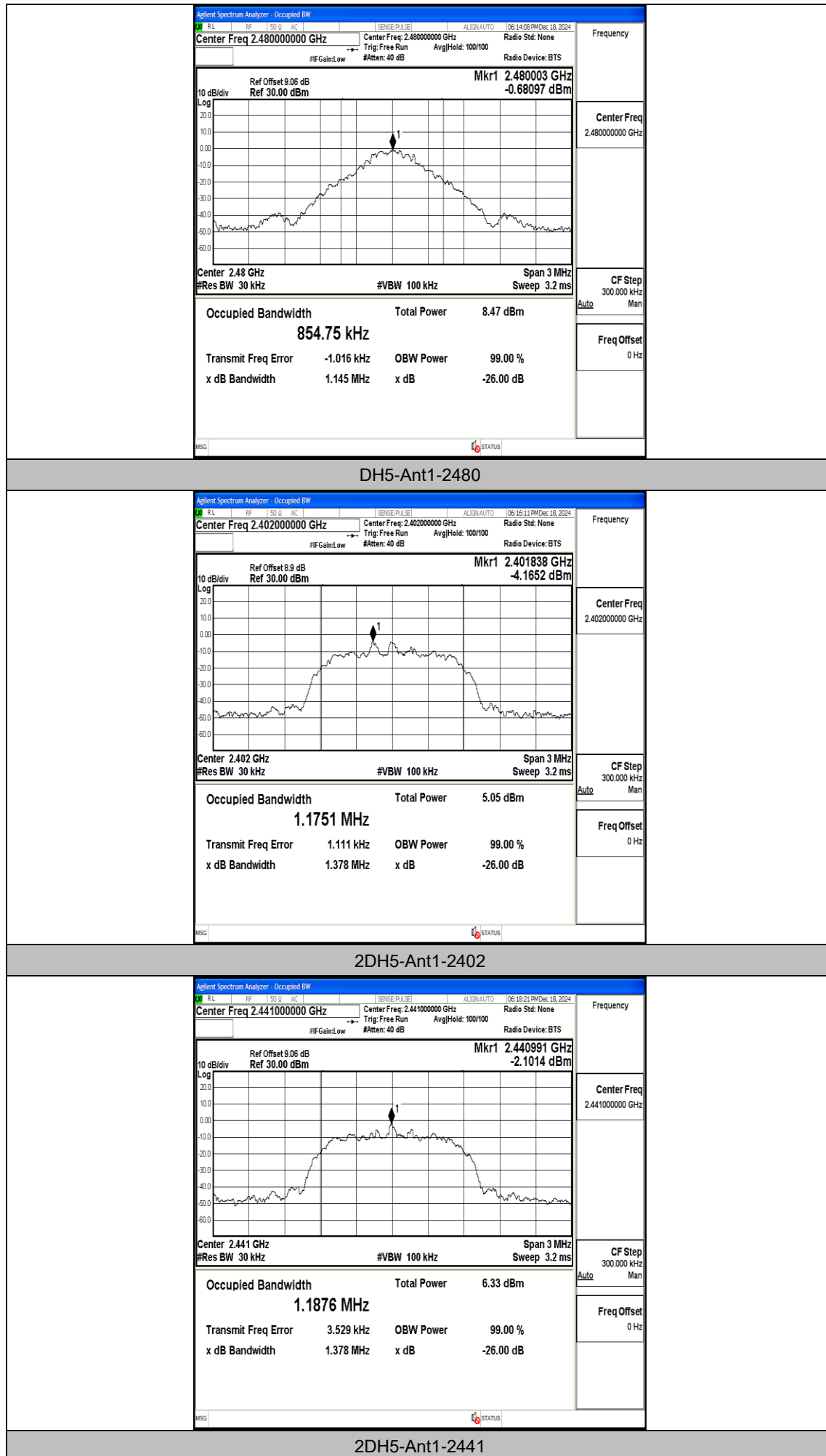
## Appendix B: Occupied Channel Bandwidth

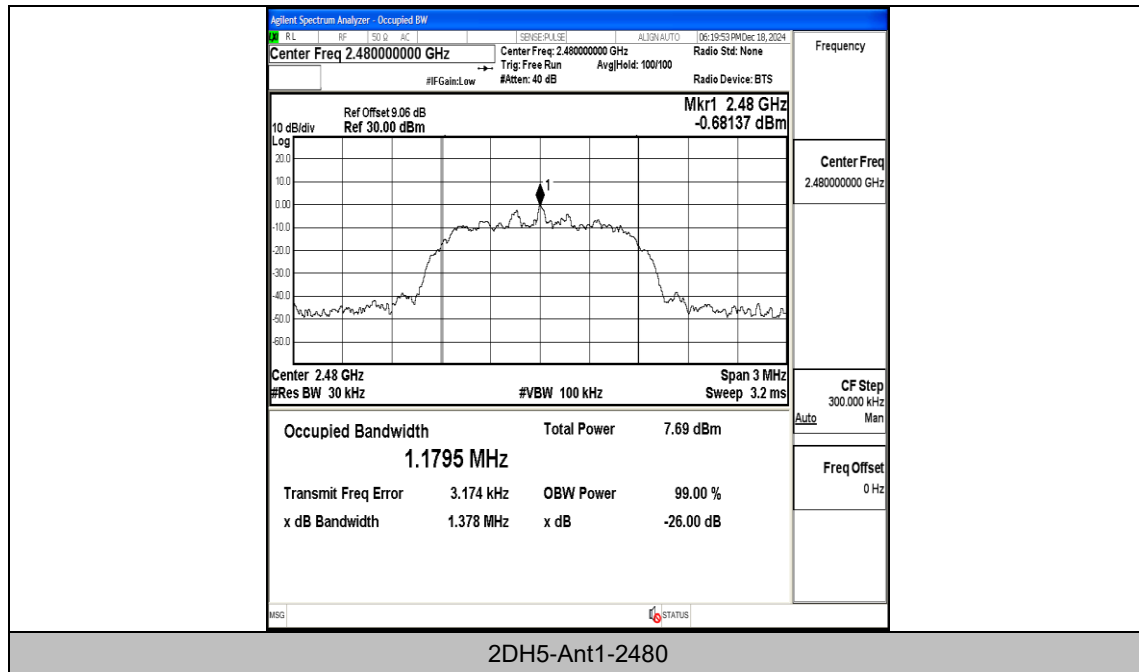
### Test Result

| Test Mode | Antenna | Frequency [MHz] | OCB [MHz] | FL [MHz]  | FH [MHz]  | Limit [MHz] | Verdict |
|-----------|---------|-----------------|-----------|-----------|-----------|-------------|---------|
| DH5       | Ant1    | 2402            | 0.85357   | 2401.5728 | 2402.4264 | ---         | ---     |
| DH5       | Ant1    | 2441            | 0.85340   | 2440.5697 | 2441.4231 | ---         | ---     |
| DH5       | Ant1    | 2480            | 0.85475   | 2479.5716 | 2480.4264 | ---         | ---     |
| 2DH5      | Ant1    | 2402            | 1.1751    | 2401.4136 | 2402.5887 | ---         | ---     |
| 2DH5      | Ant1    | 2441            | 1.1876    | 2440.4097 | 2441.5973 | ---         | ---     |
| 2DH5      | Ant1    | 2480            | 1.1795    | 2479.4134 | 2480.5929 | ---         | ---     |

## Test Graphs





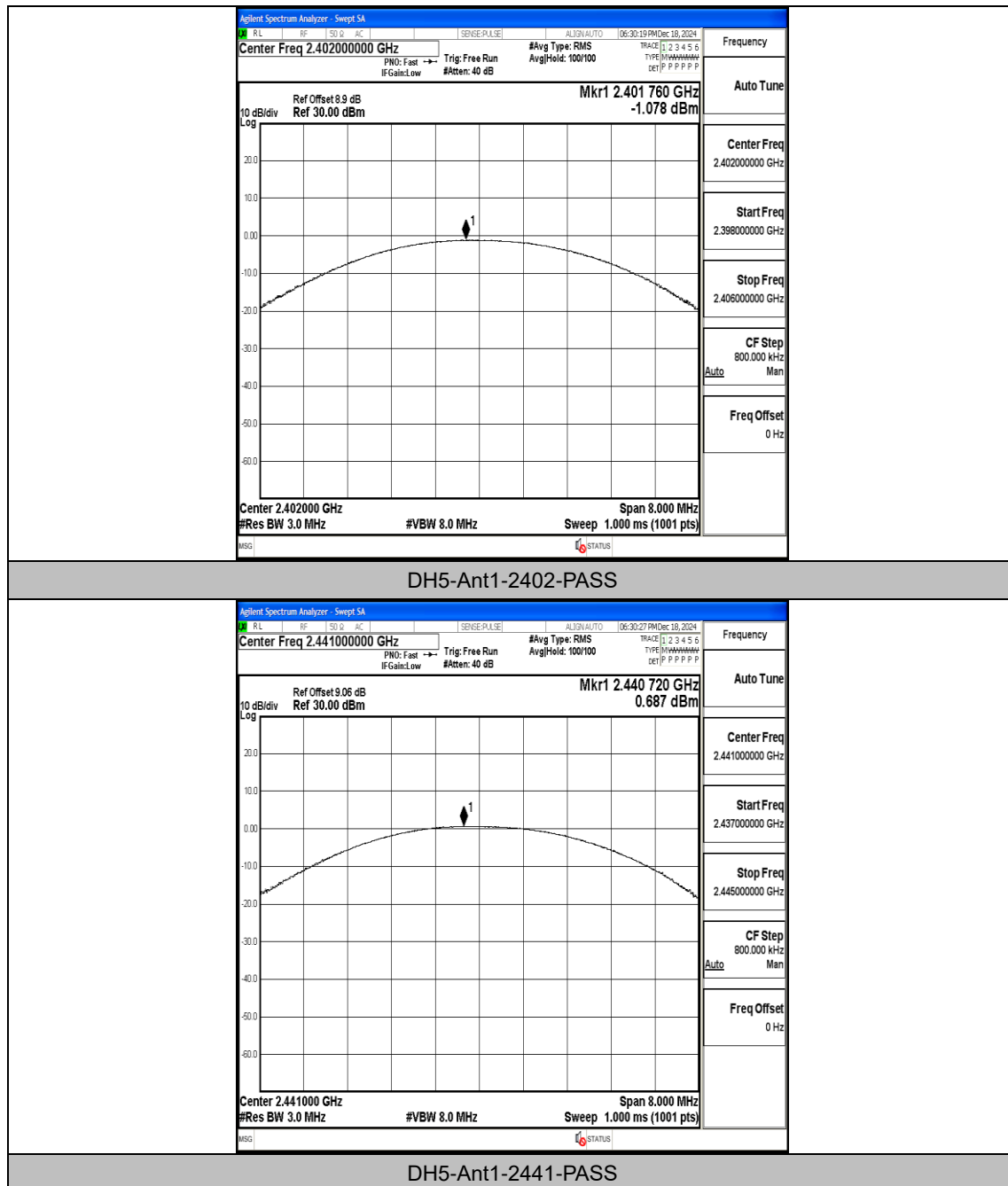


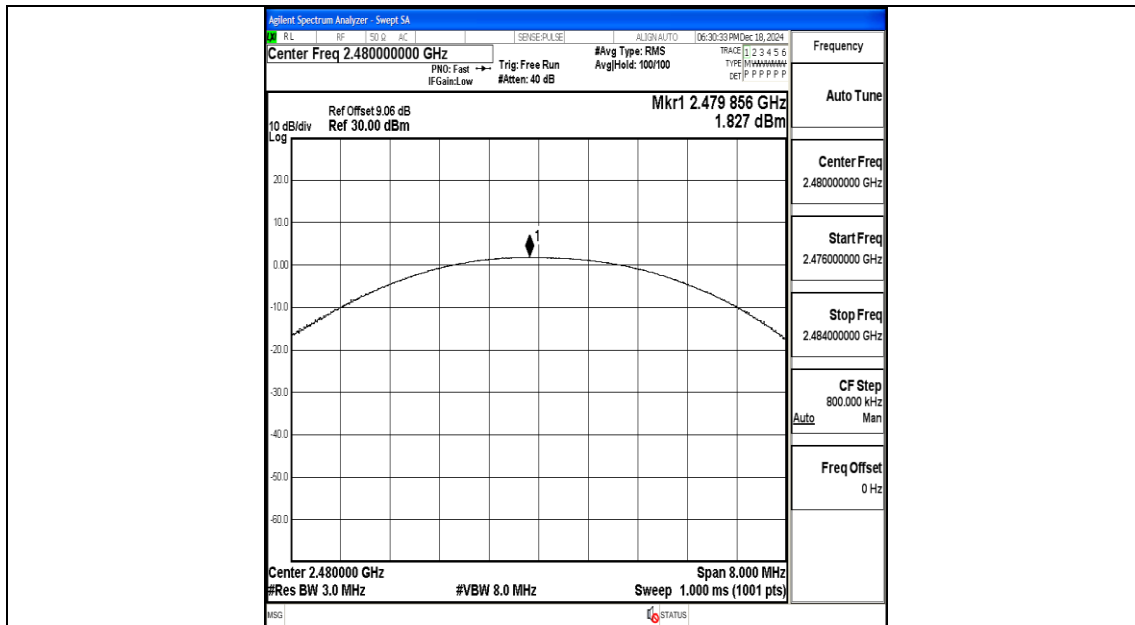
## Appendix C: Maximum peak conducted output power

### Test Result

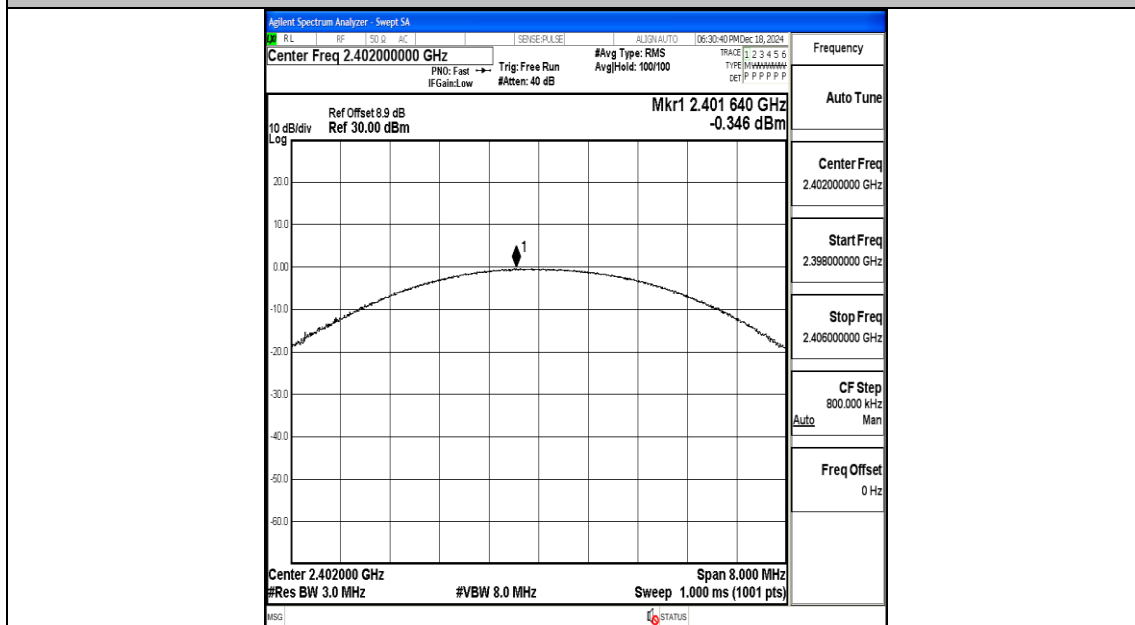
| Test Mode | Antenna | Frequency [MHz] | Conducted Peak Power [dBm] | Conducted Limit [dBm] | Verdict |
|-----------|---------|-----------------|----------------------------|-----------------------|---------|
| DH5       | Ant1    | 2402            | -1.08                      | ≤30                   | PASS    |
| DH5       | Ant1    | 2441            | 0.69                       | ≤30                   | PASS    |
| DH5       | Ant1    | 2480            | 1.83                       | ≤30                   | PASS    |
| 2DH5      | Ant1    | 2402            | -0.35                      | ≤20.97                | PASS    |
| 2DH5      | Ant1    | 2441            | 1.51                       | ≤20.97                | PASS    |
| 2DH5      | Ant1    | 2480            | 2.61                       | ≤20.97                | PASS    |

## Test Graphs

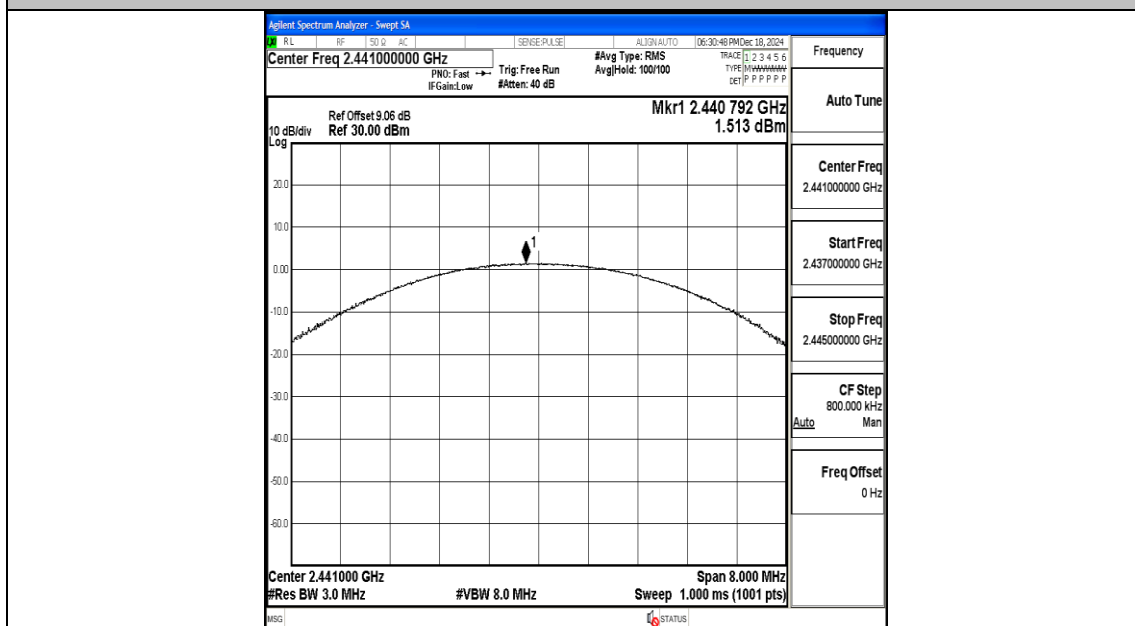




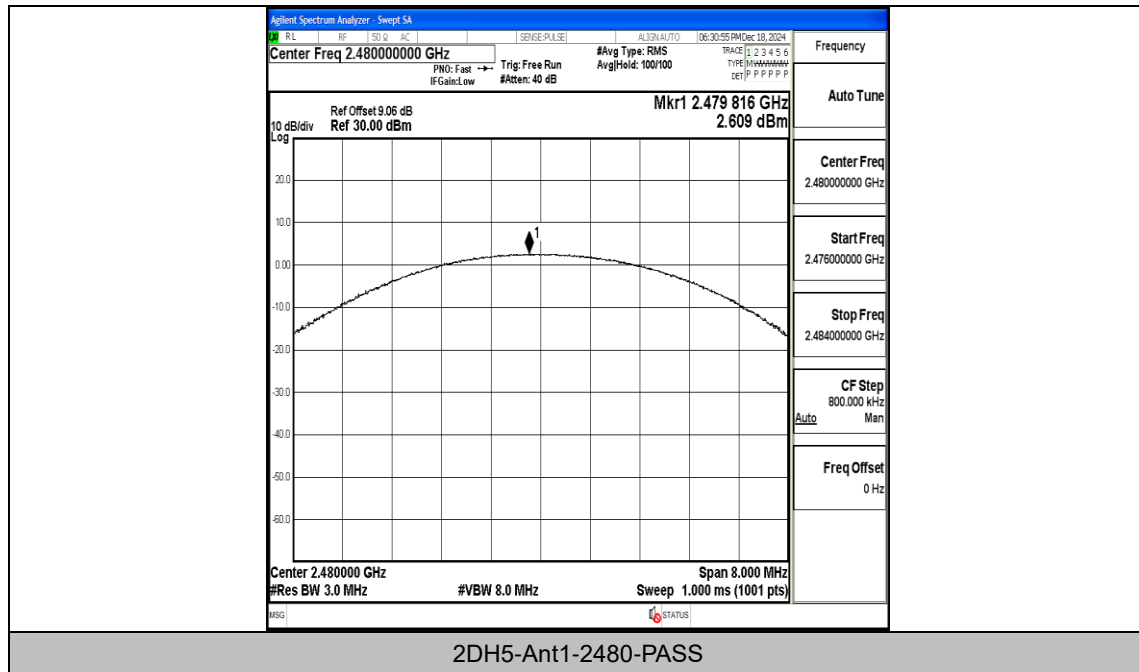
DH5-Ant1-2480-PASS



2DH5-Ant1-2402-PASS



2DH5-Ant1-2441-PASS

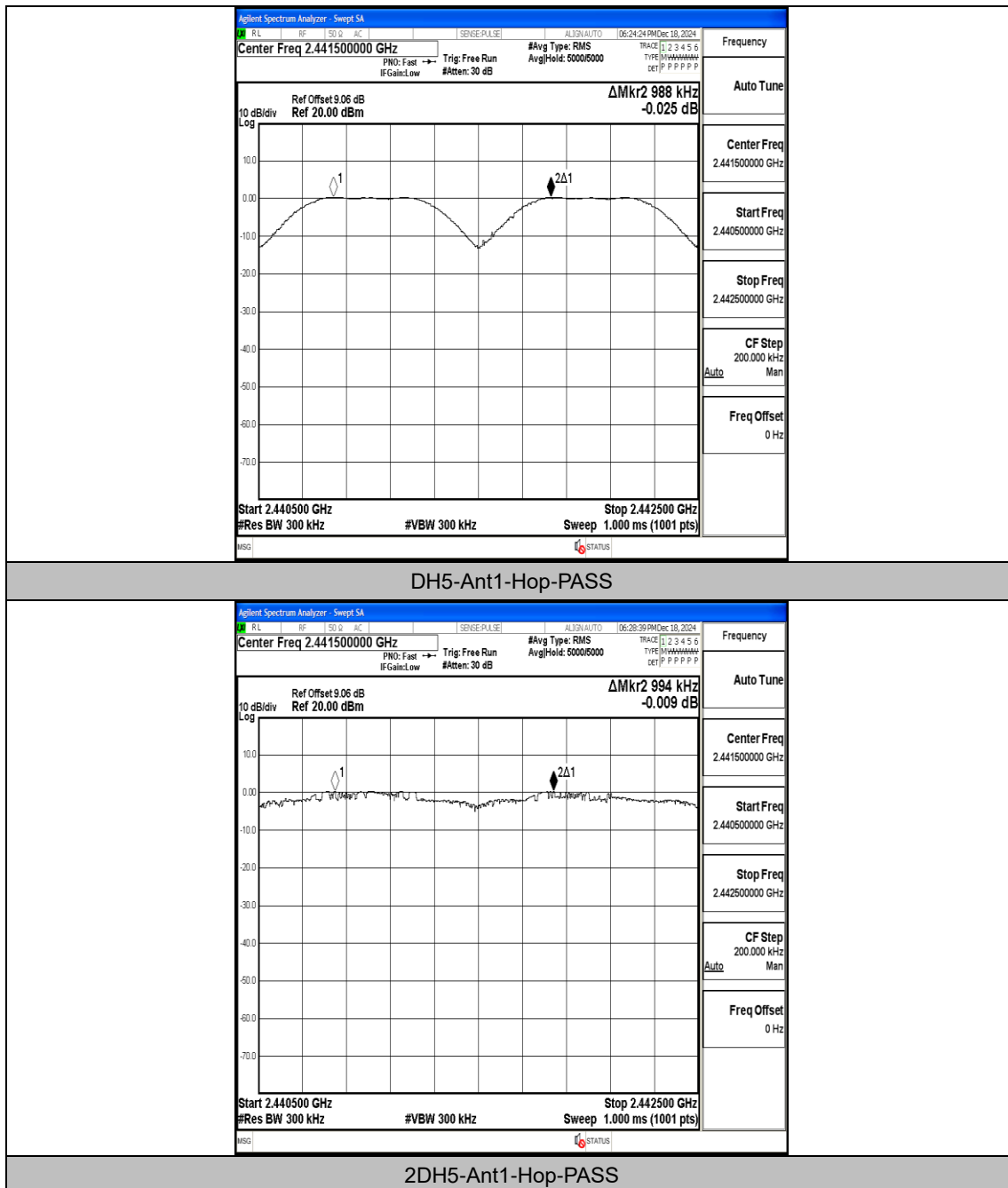


## Appendix D: Carrier frequency separation

### Test Result

| Test Mode | Antenna | Frequency<br>[MHz] | Result<br>[MHz] | Limit<br>[MHz] | Verdict |
|-----------|---------|--------------------|-----------------|----------------|---------|
| DH5       | Ant1    | Hop                | 0.988           | $\geq 0.954$   | PASS    |
| 2DH5      | Ant1    | Hop                | 0.994           | $\geq 0.874$   | PASS    |

## Test Graphs

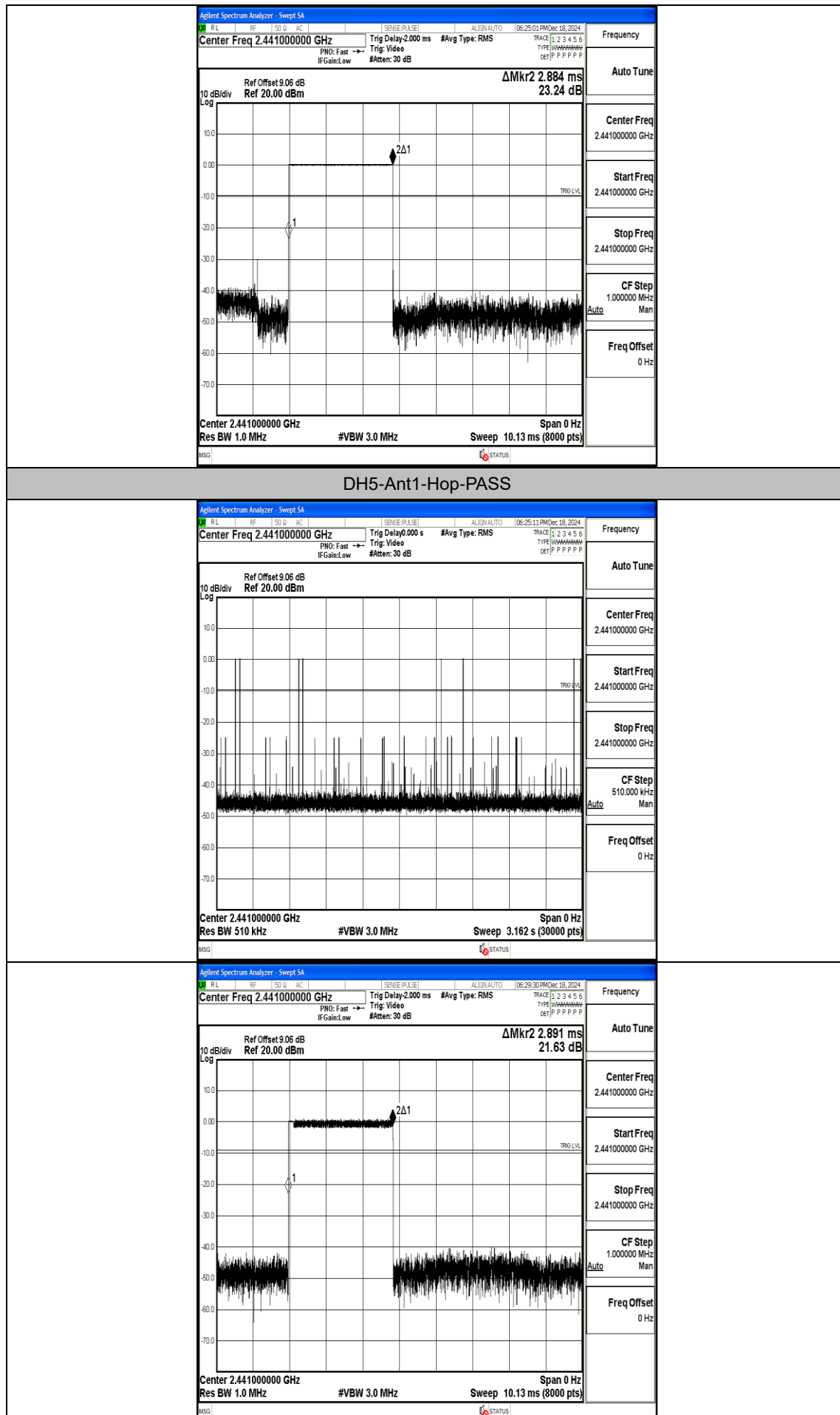


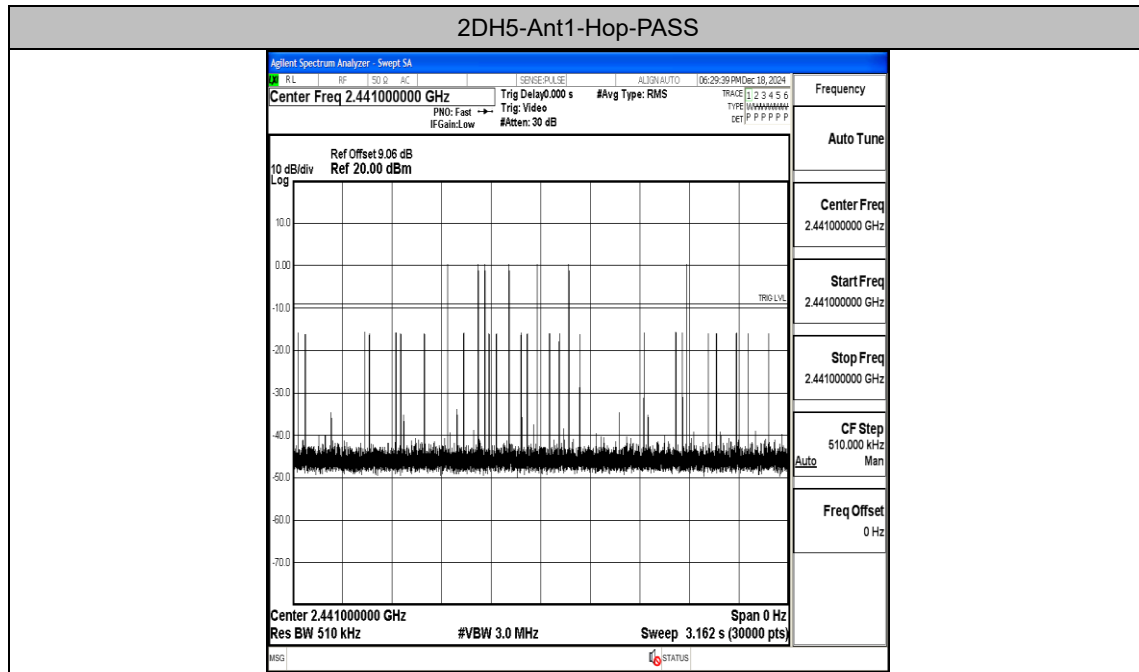
## Appendix E: Time of occupancy

### Test Result

| Test Mode | Antenna | Frequency [MHz] | Burst Width [ms] | TotalHops [Num] | Result [s] | Limit [s] | Verdict |
|-----------|---------|-----------------|------------------|-----------------|------------|-----------|---------|
| DH5       | Ant1    | Hop             | 2.884            | 90              | 0.26       | ≤0.4      | PASS    |
| 2DH5      | Ant1    | Hop             | 2.891            | 80              | 0.231      | ≤0.4      | PASS    |

## Test Graphs



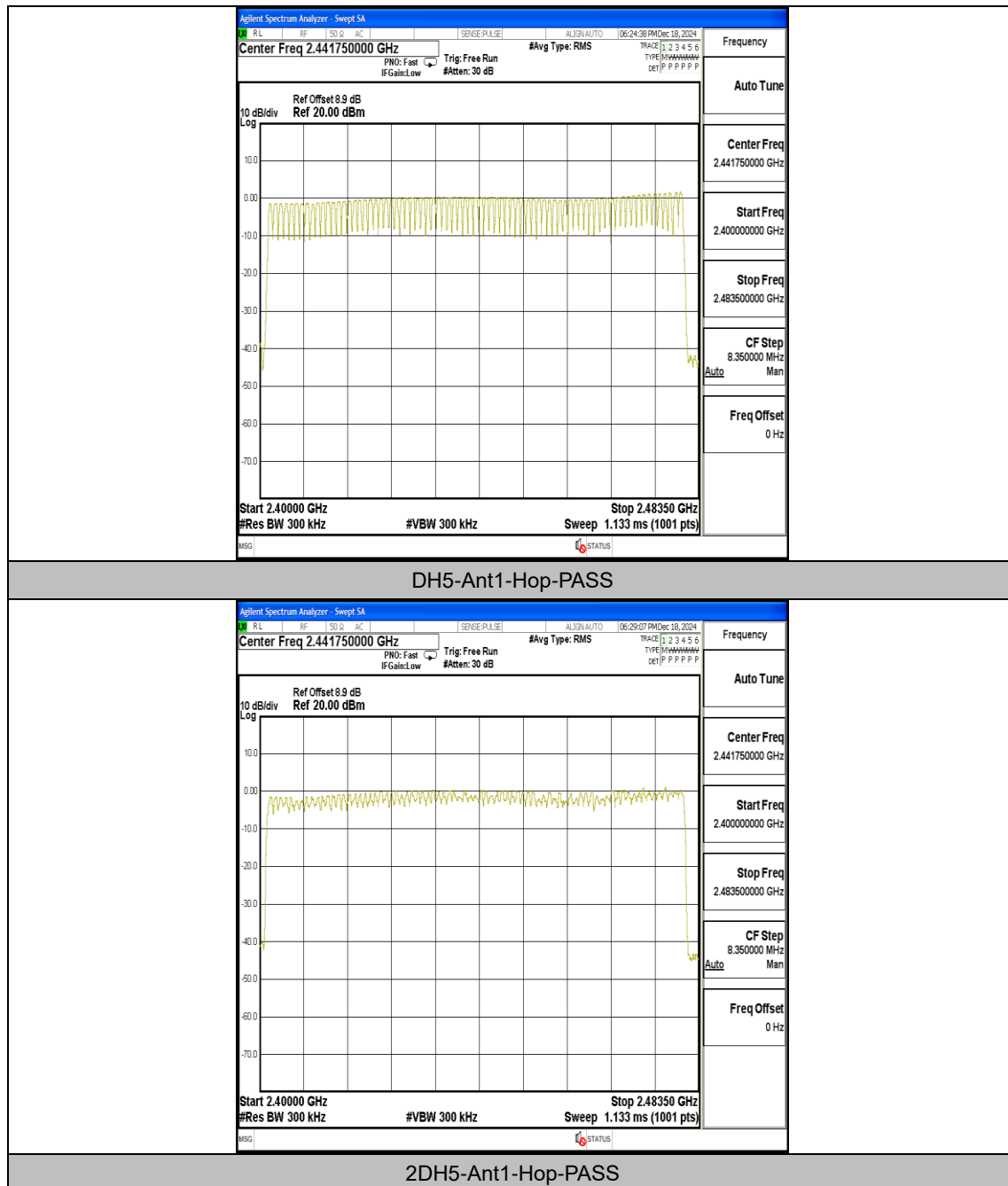


## Appendix F: Number of hopping channels

### Test Result

| Test Mode | Antenna | Frequency<br>[MHz] | Result<br>[Num] | Limit<br>[Num] | Verdict |
|-----------|---------|--------------------|-----------------|----------------|---------|
| DH5       | Ant1    | Hop                | 79              | ≥15            | PASS    |
| 2DH5      | Ant1    | Hop                | 79              | ≥15            | PASS    |

## Test Graphs

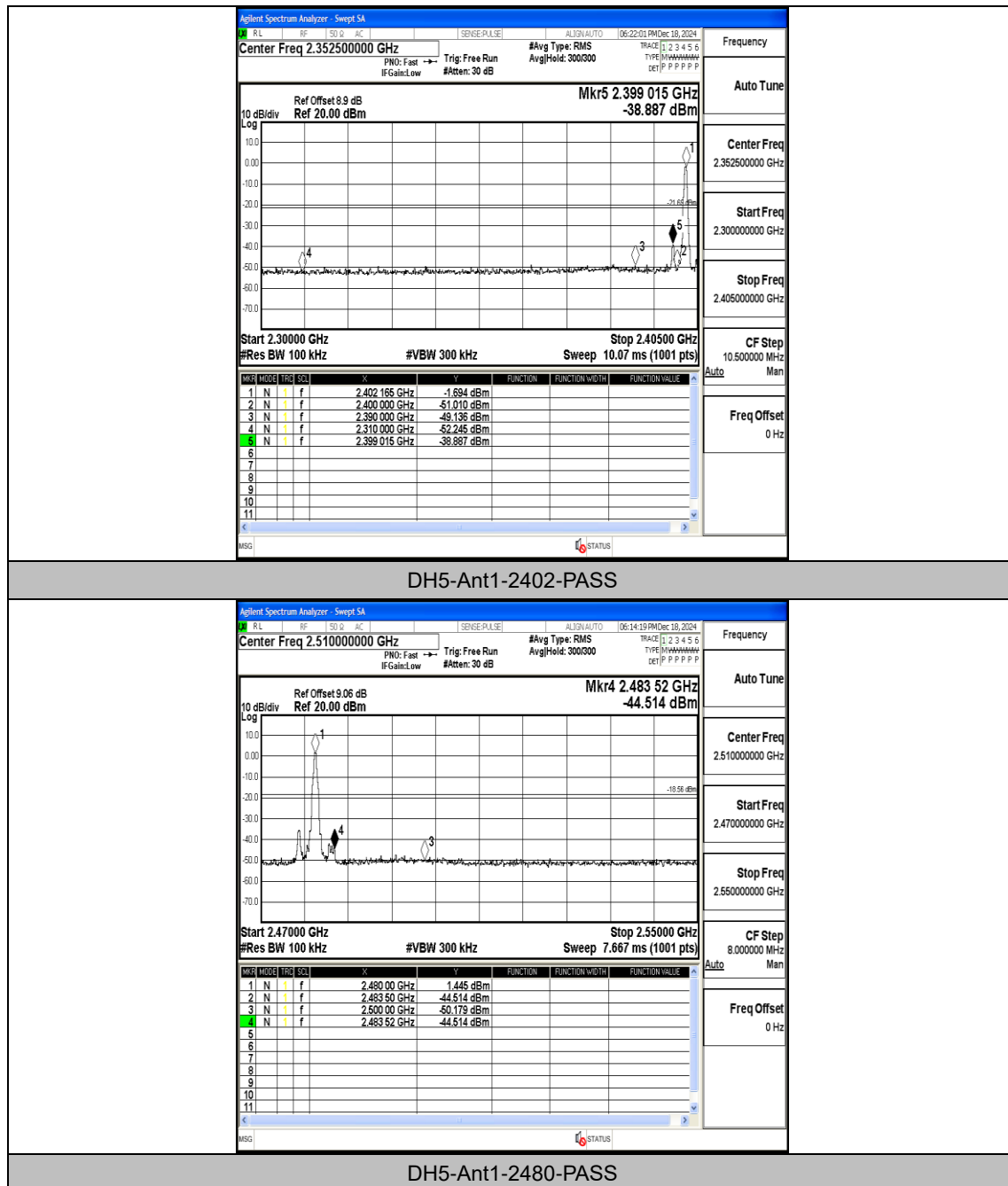


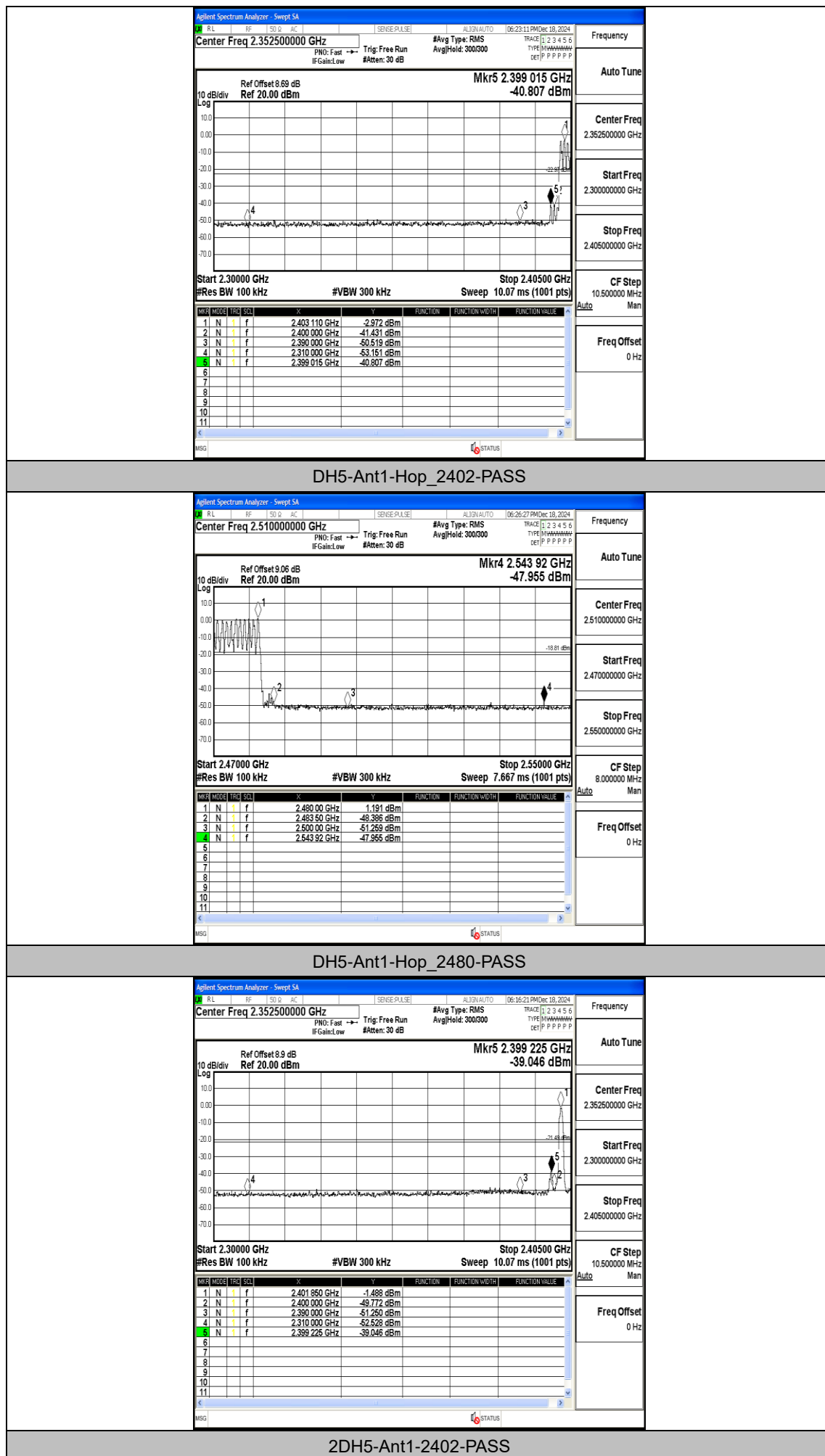
## Appendix G: Band edge measurements

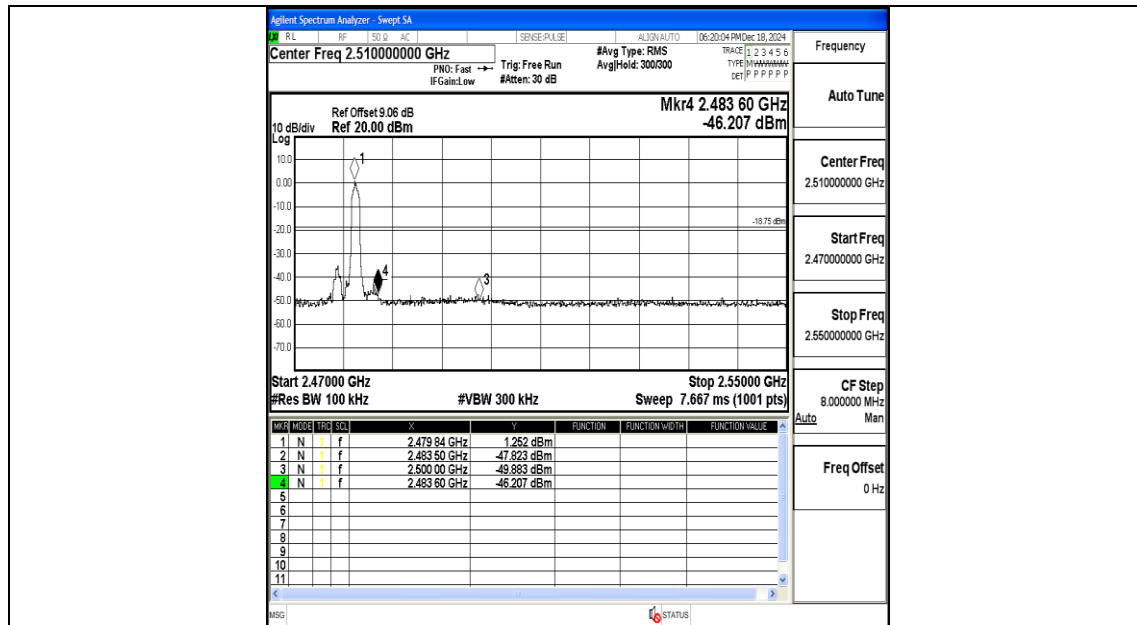
### Test Result

| Test Mode | Antenna | Ch.Name | Frequency [MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm]   | Verdict |
|-----------|---------|---------|-----------------|----------------|--------------|---------------|---------|
| DH5       | Ant1    | Low     | 2402            | -1.69          | -38.89       | $\leq -21.69$ | PASS    |
| DH5       | Ant1    | High    | 2480            | 1.45           | -44.51       | $\leq -18.56$ | PASS    |
| DH5       | Ant1    | Low     | Hop_2402        | -2.97          | -40.81       | $\leq -22.97$ | PASS    |
| DH5       | Ant1    | High    | Hop_2480        | 1.19           | -47.96       | $\leq -18.81$ | PASS    |
| 2DH5      | Ant1    | Low     | 2402            | -1.49          | -39.05       | $\leq -21.49$ | PASS    |
| 2DH5      | Ant1    | High    | 2480            | 1.25           | -46.21       | $\leq -18.75$ | PASS    |
| 2DH5      | Ant1    | Low     | Hop_2402        | -2.15          | -44.89       | $\leq -22.15$ | PASS    |
| 2DH5      | Ant1    | High    | Hop_2480        | 1.09           | -48.28       | $\leq -18.91$ | PASS    |

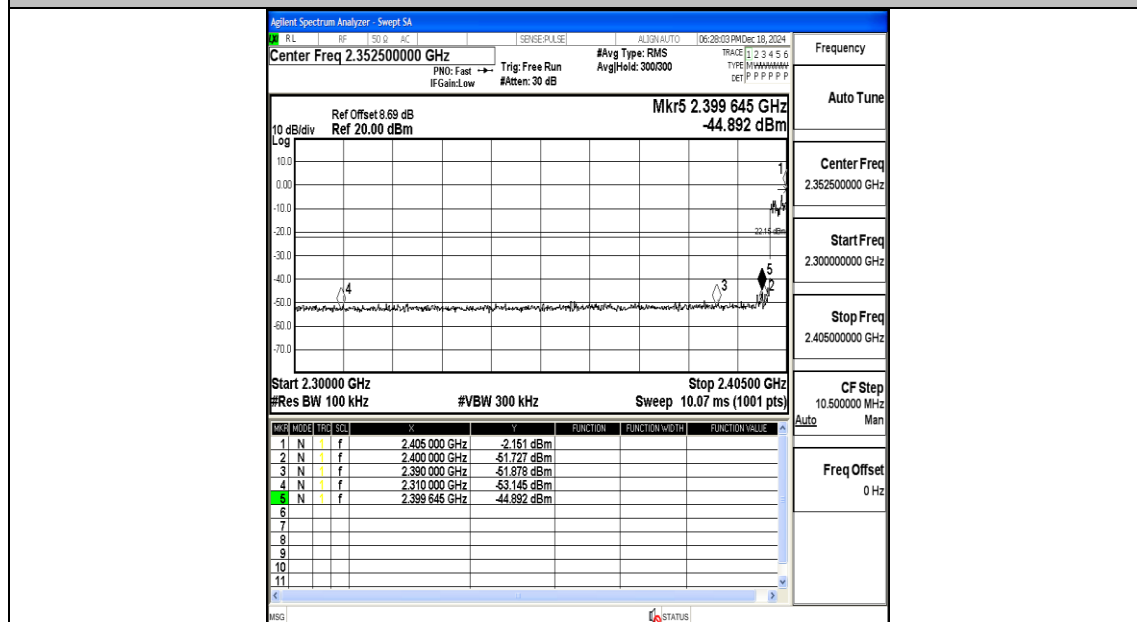
## Test Graphs



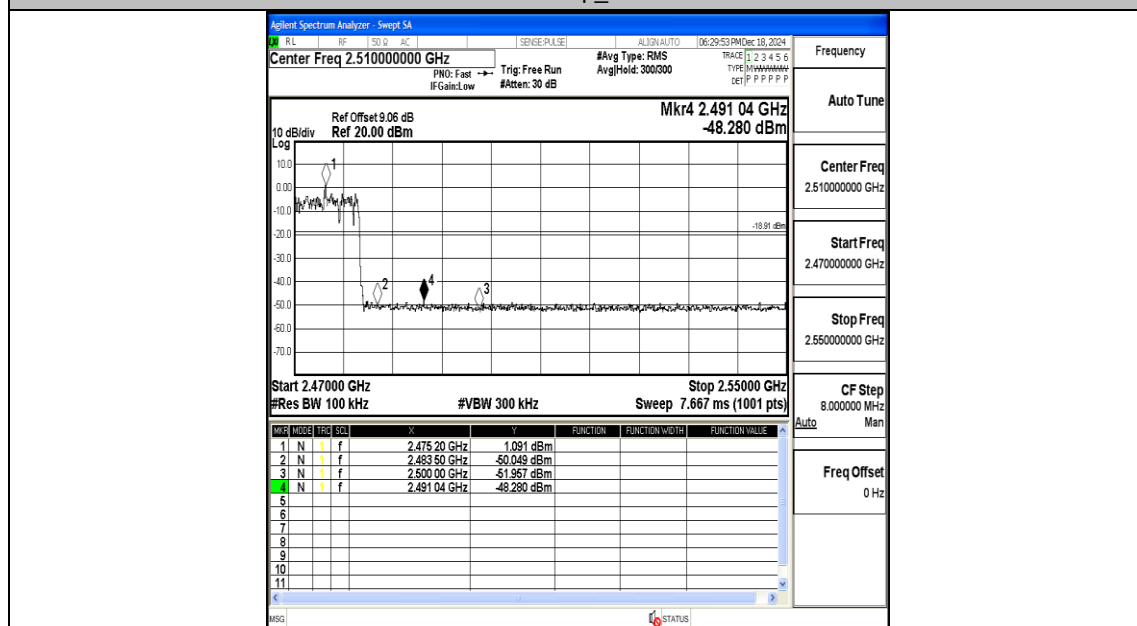




## 2DH5-Ant1-2480-PASS



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



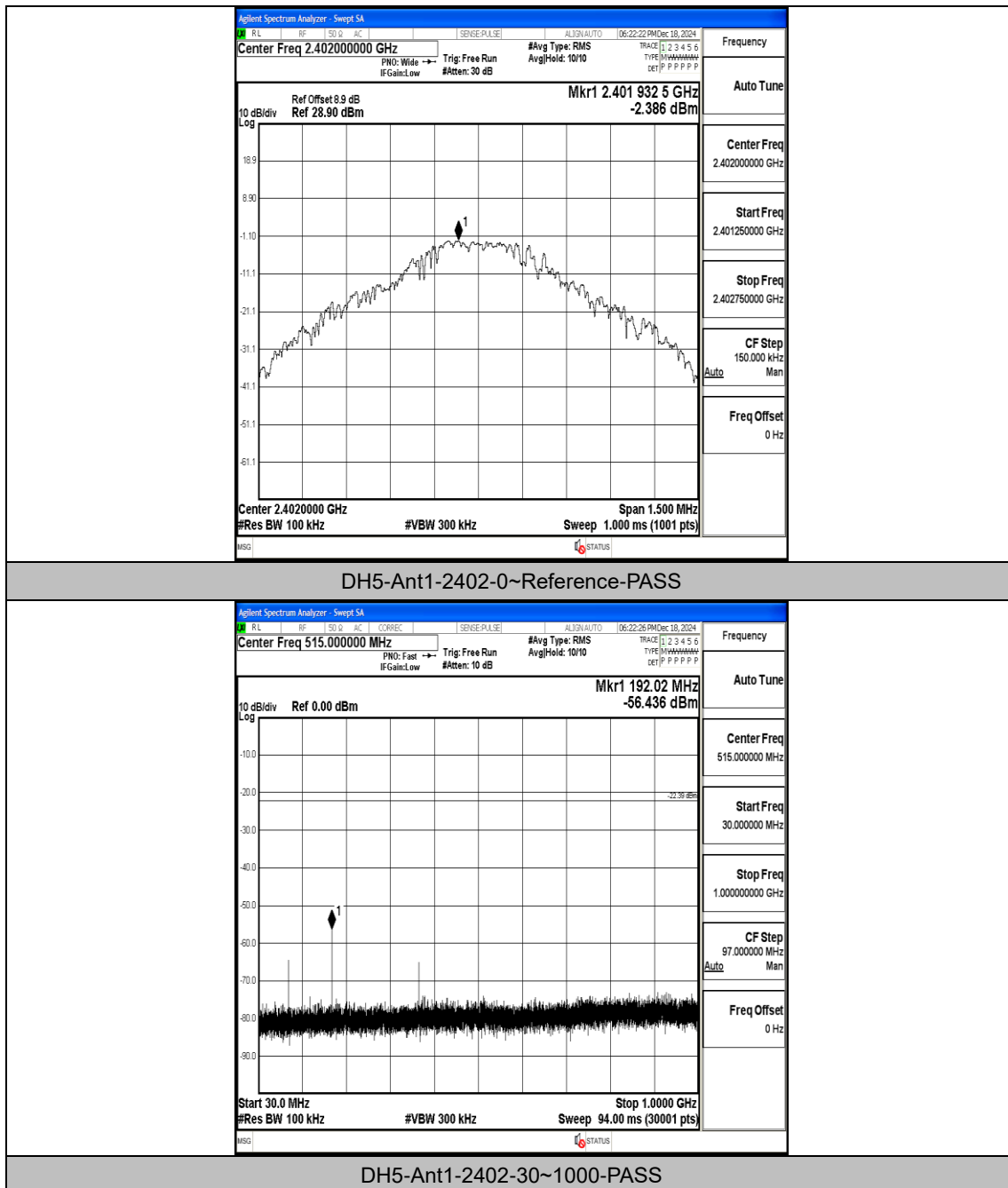
## 2DH5-Ant1-Hop\_2480-PASS

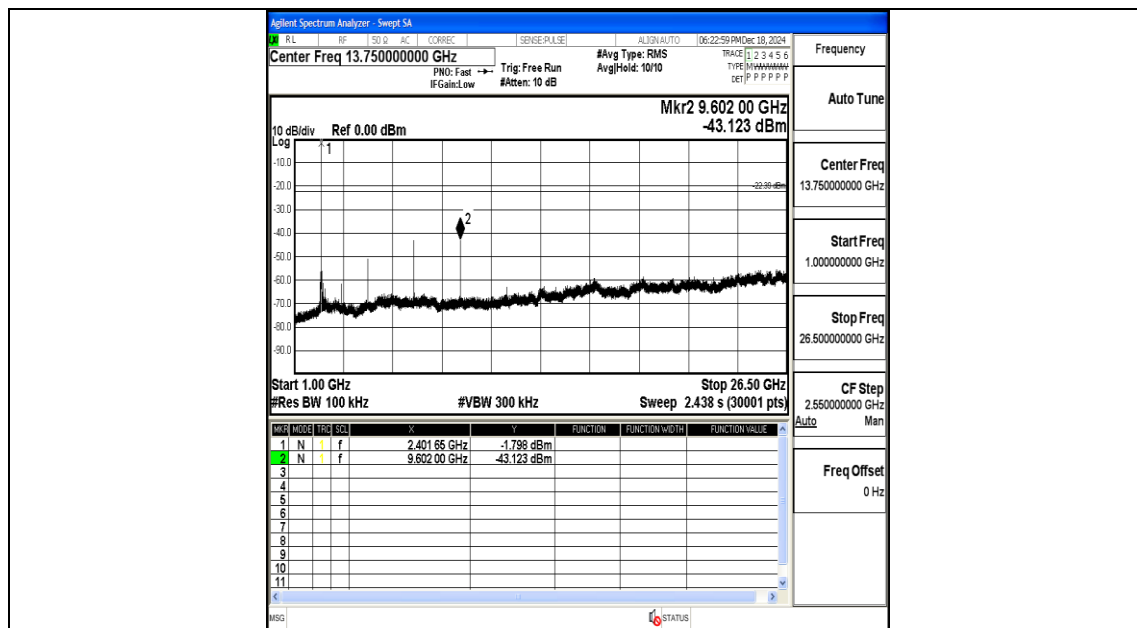
## Appendix H: Conducted Spurious Emission

### Test Result

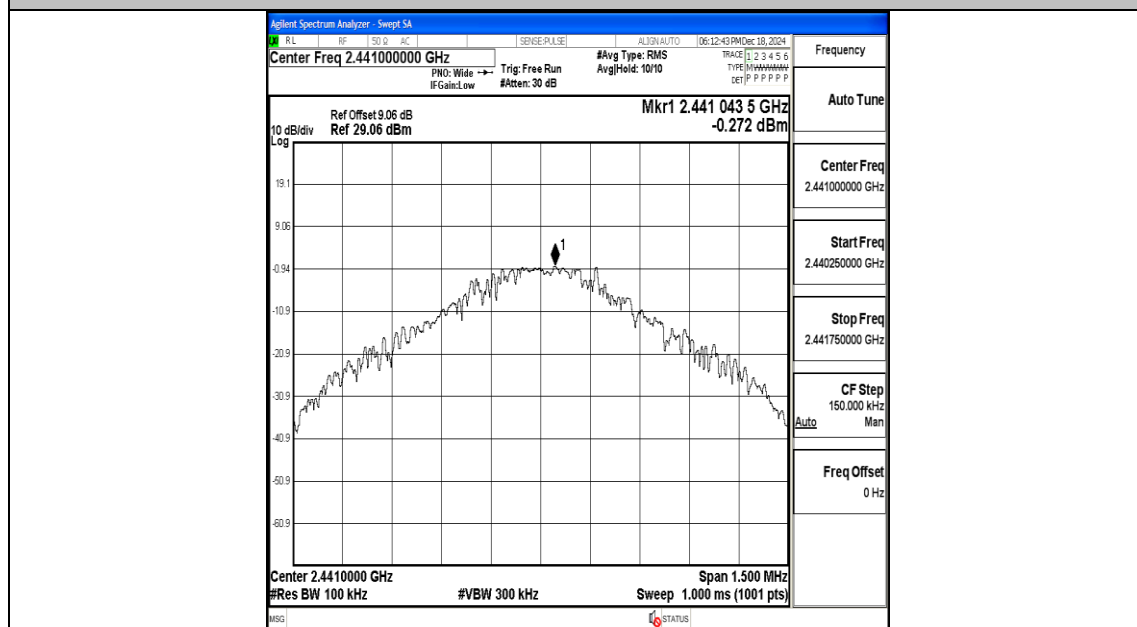
| Test Mode | Antenna | Frequency [MHz] | Freq. Range [MHz] | Ref. Level [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|-----------------|-------------------|------------------|--------------|-------------|---------|
| DH5       | Ant1    | 2402            | 0~Reference       | -2.39            | -2.39        | ---         | PASS    |
| DH5       | Ant1    | 2402            | 30~1000           | -2.39            | -56.44       | ≤-22.39     | PASS    |
| DH5       | Ant1    | 2402            | 1000~26500        | -2.39            | -43.12       | ≤-22.39     | PASS    |
| DH5       | Ant1    | 2441            | 0~Reference       | -0.27            | -0.27        | ---         | PASS    |
| DH5       | Ant1    | 2441            | 30~1000           | -0.27            | -64.43       | ≤-20.27     | PASS    |
| DH5       | Ant1    | 2441            | 1000~26500        | -0.27            | -41.47       | ≤-20.27     | PASS    |
| DH5       | Ant1    | 2480            | 0~Reference       | 0.98             | 0.98         | ---         | PASS    |
| DH5       | Ant1    | 2480            | 30~1000           | 0.98             | -56.66       | ≤-19.02     | PASS    |
| DH5       | Ant1    | 2480            | 1000~26500        | 0.98             | -40.76       | ≤-19.02     | PASS    |
| 2DH5      | Ant1    | 2402            | 0~Reference       | -3.03            | -3.03        | ---         | PASS    |
| 2DH5      | Ant1    | 2402            | 30~1000           | -3.03            | -63.7        | ≤-23.03     | PASS    |
| 2DH5      | Ant1    | 2402            | 1000~26500        | -3.03            | -42.99       | ≤-23.03     | PASS    |
| 2DH5      | Ant1    | 2441            | 0~Reference       | 0.22             | 0.22         | ---         | PASS    |
| 2DH5      | Ant1    | 2441            | 30~1000           | 0.22             | -64.78       | ≤-19.78     | PASS    |
| 2DH5      | Ant1    | 2441            | 1000~26500        | 0.22             | -41.58       | ≤-19.78     | PASS    |
| 2DH5      | Ant1    | 2480            | 0~Reference       | -1.54            | -1.54        | ---         | PASS    |
| 2DH5      | Ant1    | 2480            | 30~1000           | -1.54            | -64.22       | ≤-21.54     | PASS    |
| 2DH5      | Ant1    | 2480            | 1000~26500        | -1.54            | -40.78       | ≤-21.54     | PASS    |

## Test Graphs

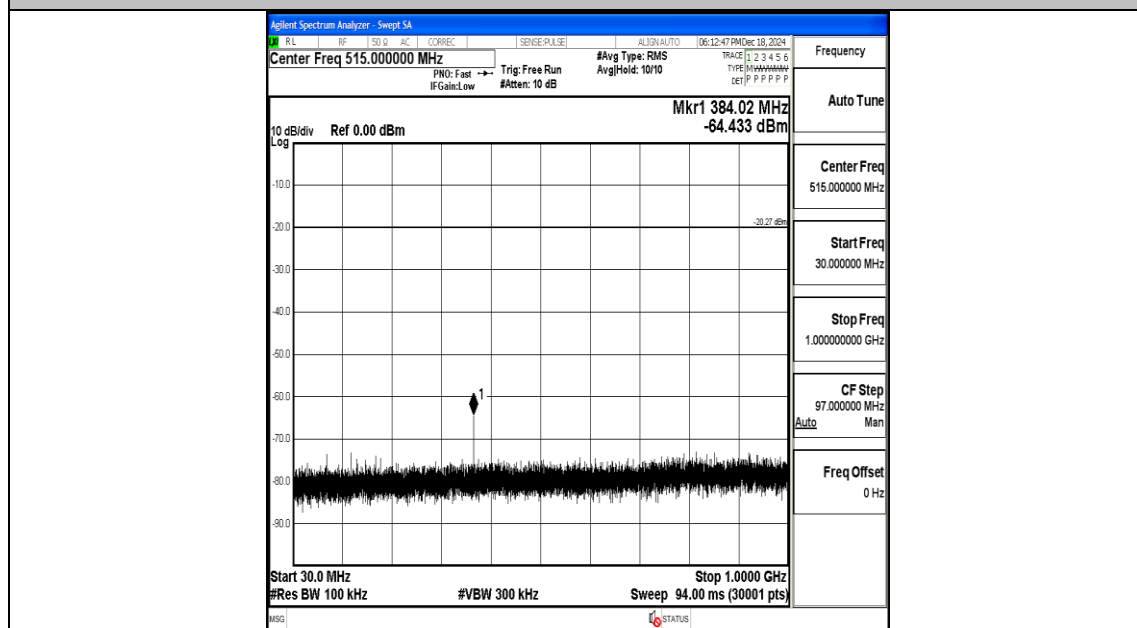




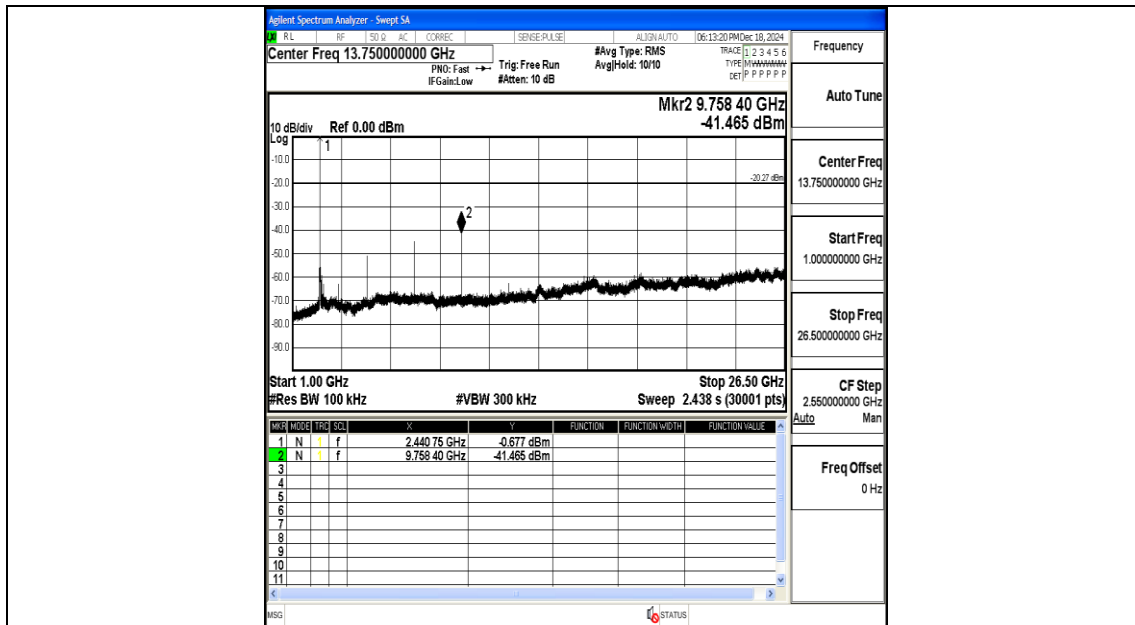
DH5-Ant1-2402-1000~26500-PASS



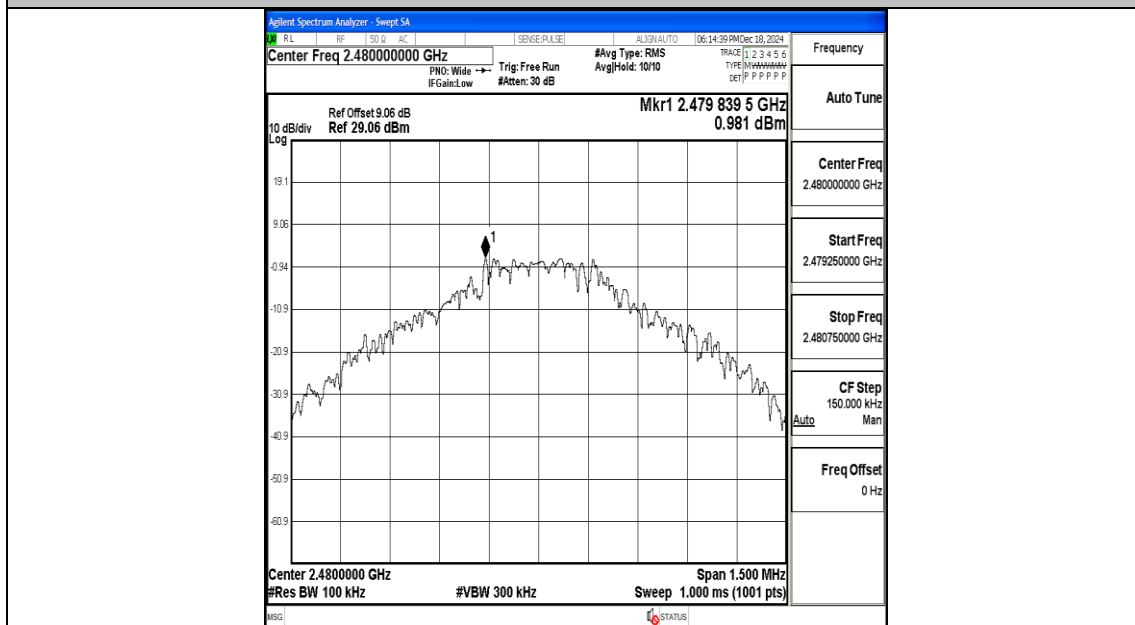
DH5-Ant1-2441-0~Reference-PASS



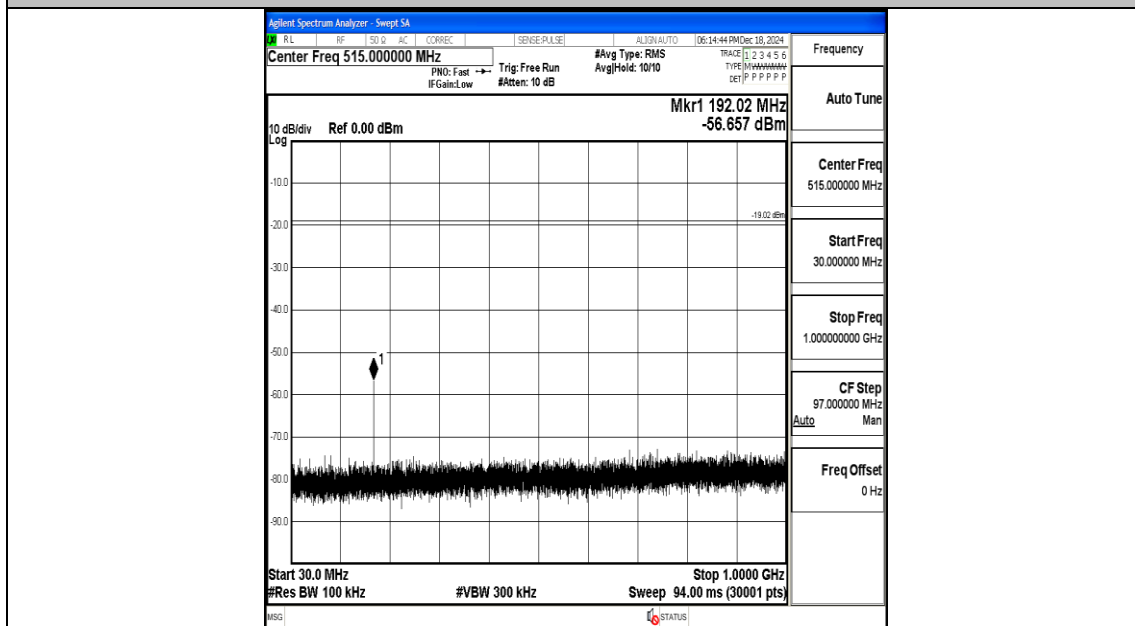
DH5-Ant1-2441-30~1000-PASS



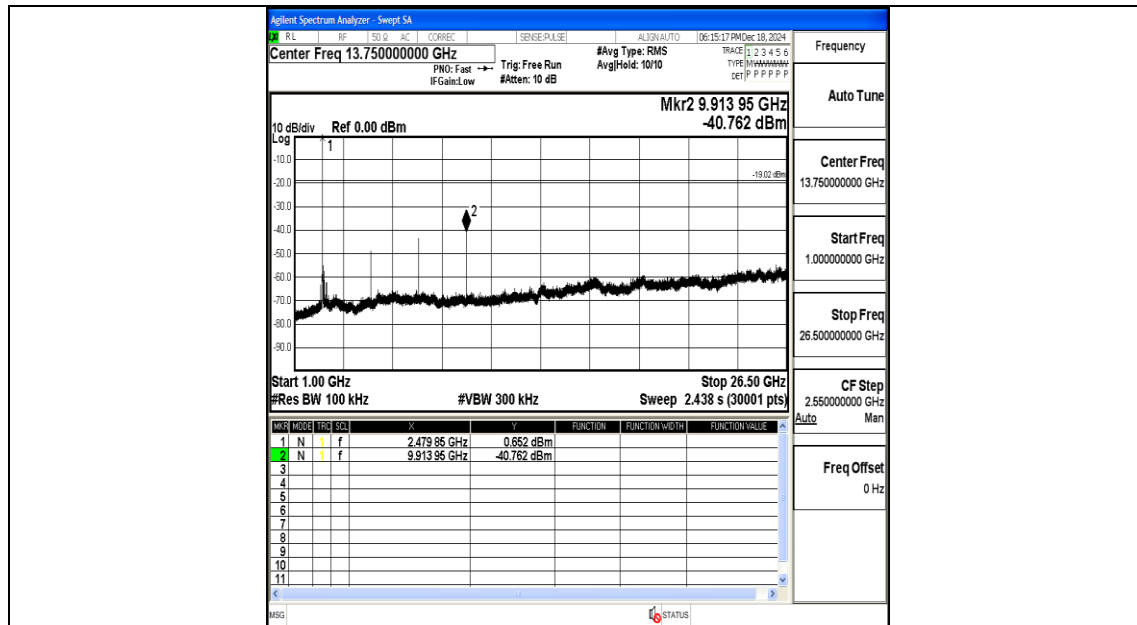
DH5-Ant1-2441-1000~26500-PASS



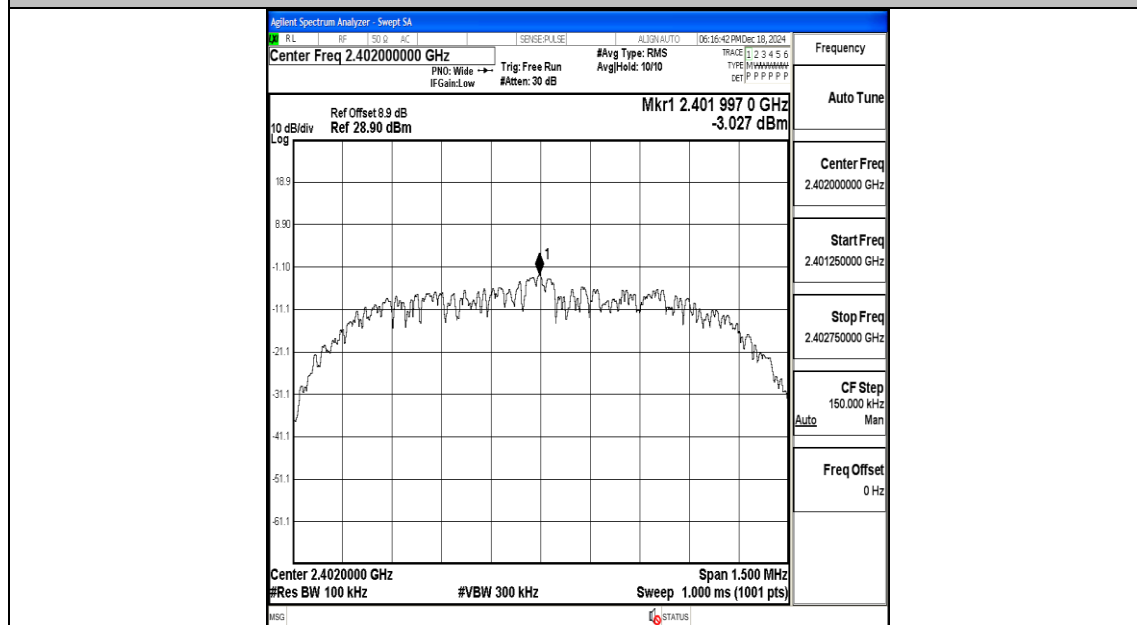
DH5-Ant1-2480-0~Reference-PASS



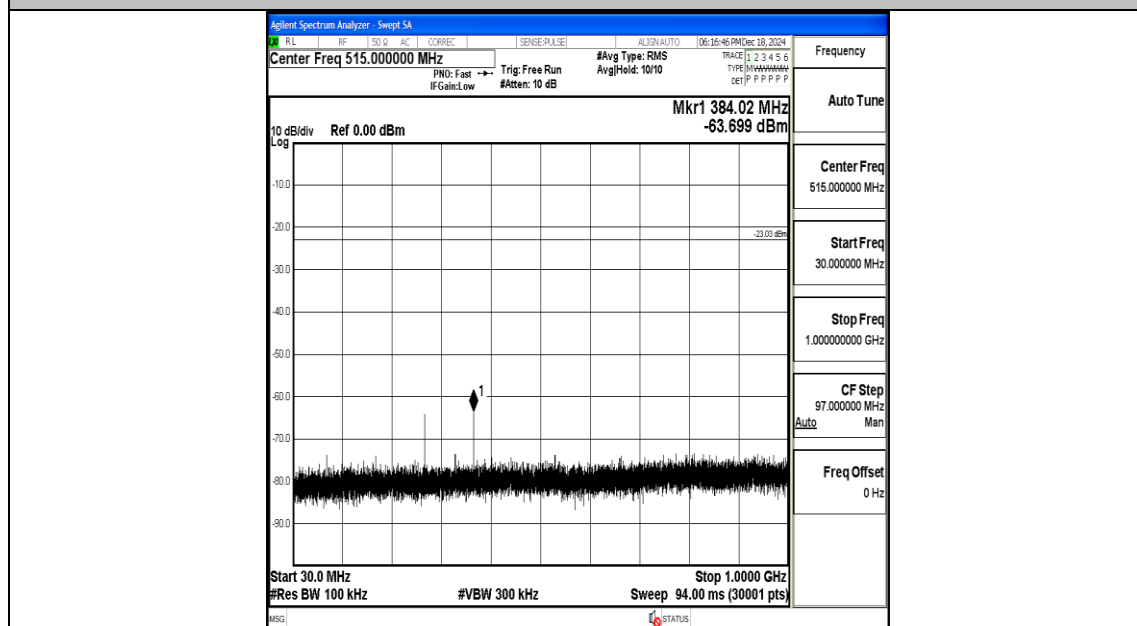
DH5-Ant1-2480-30~1000-PASS



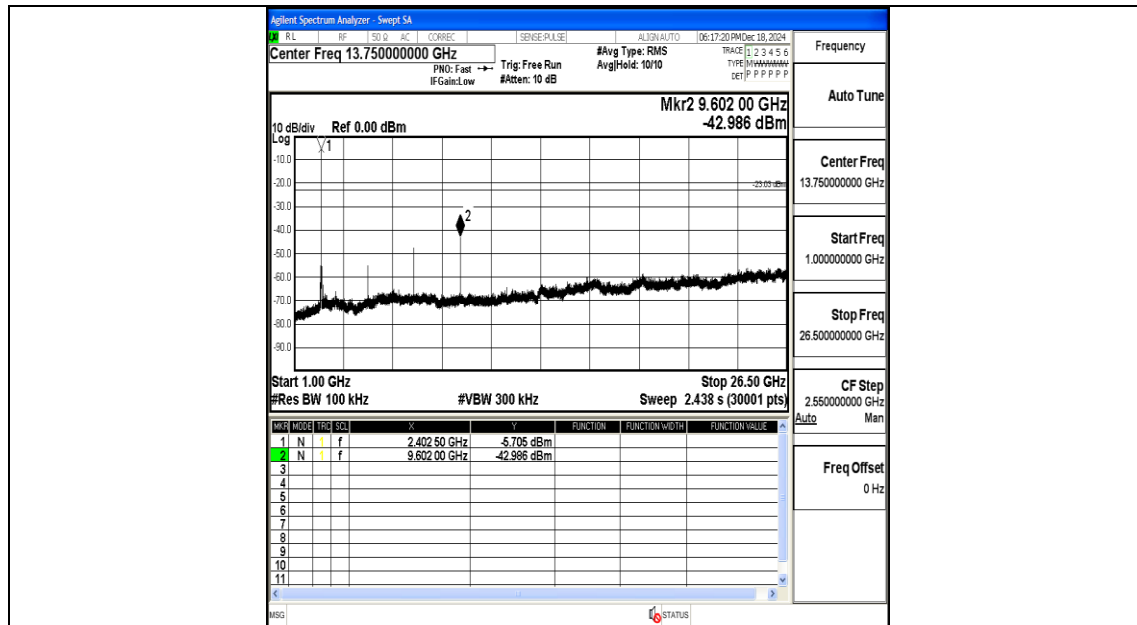
DH5-Ant1-2480-1000~26500-PASS



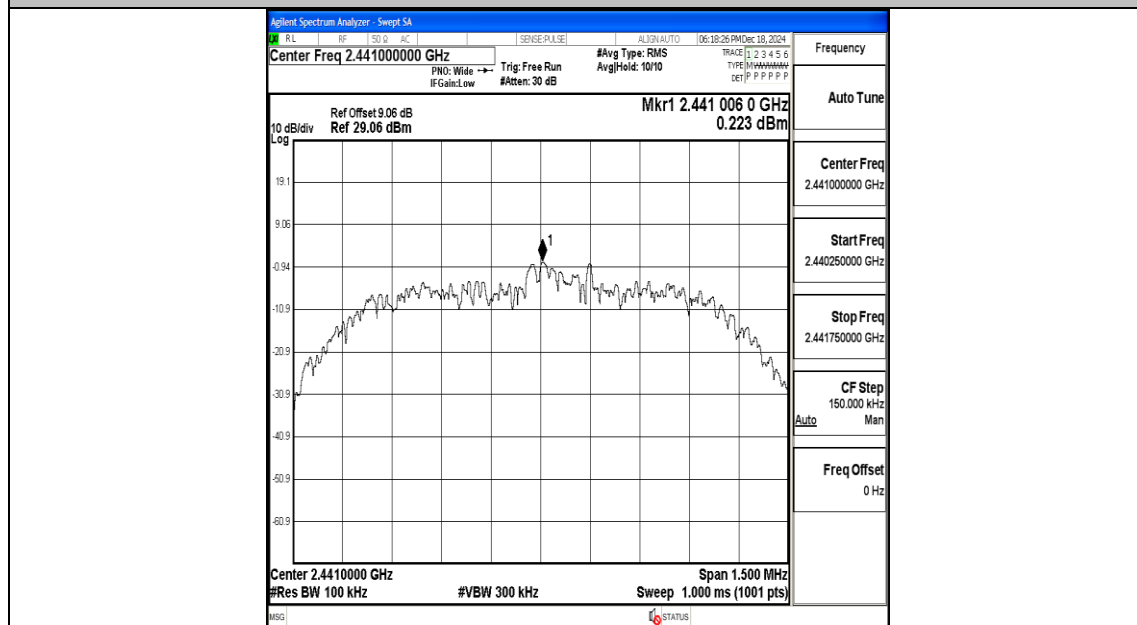
2DH5-Ant1-2402-0~Reference-PASS



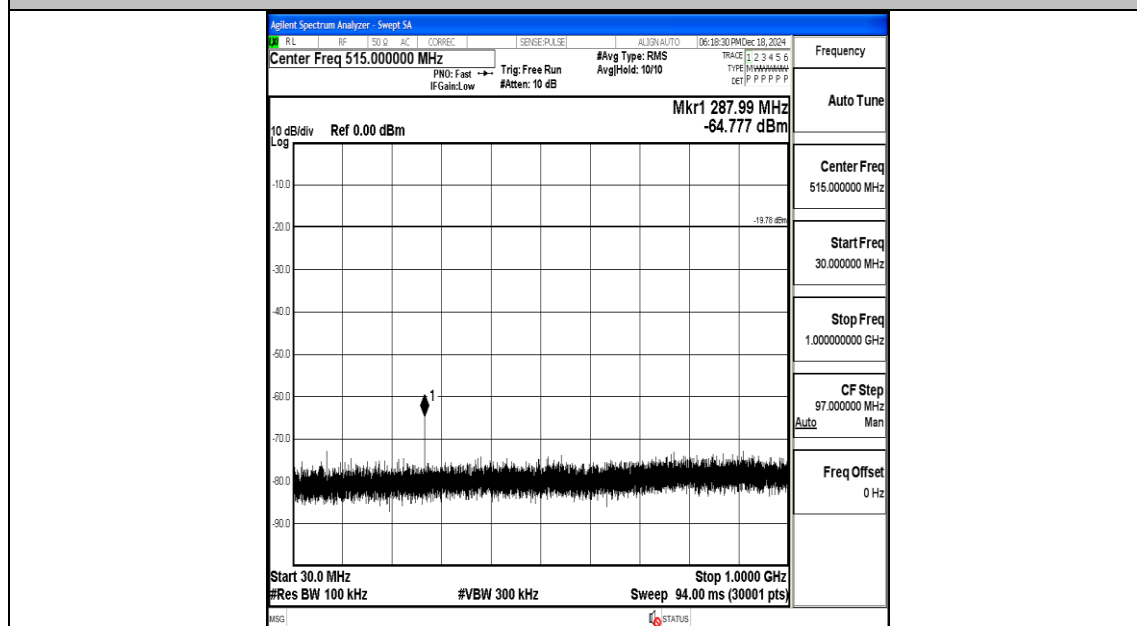
2DH5-Ant1-2402-30~1000-PASS



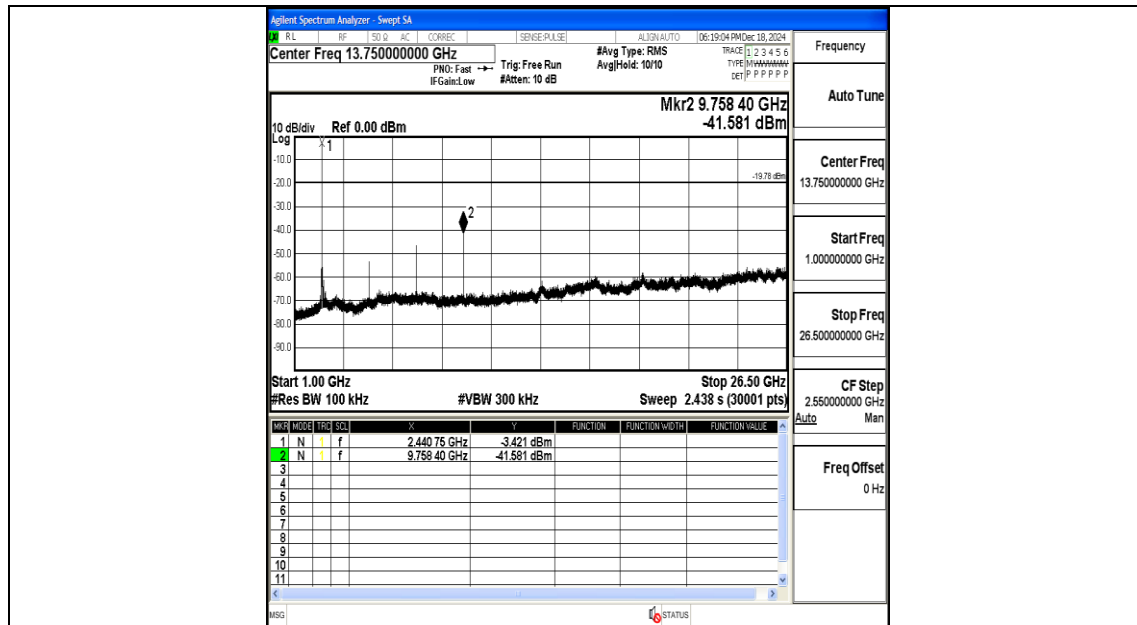
2DH5-Ant1-2402-1000~26500-PASS



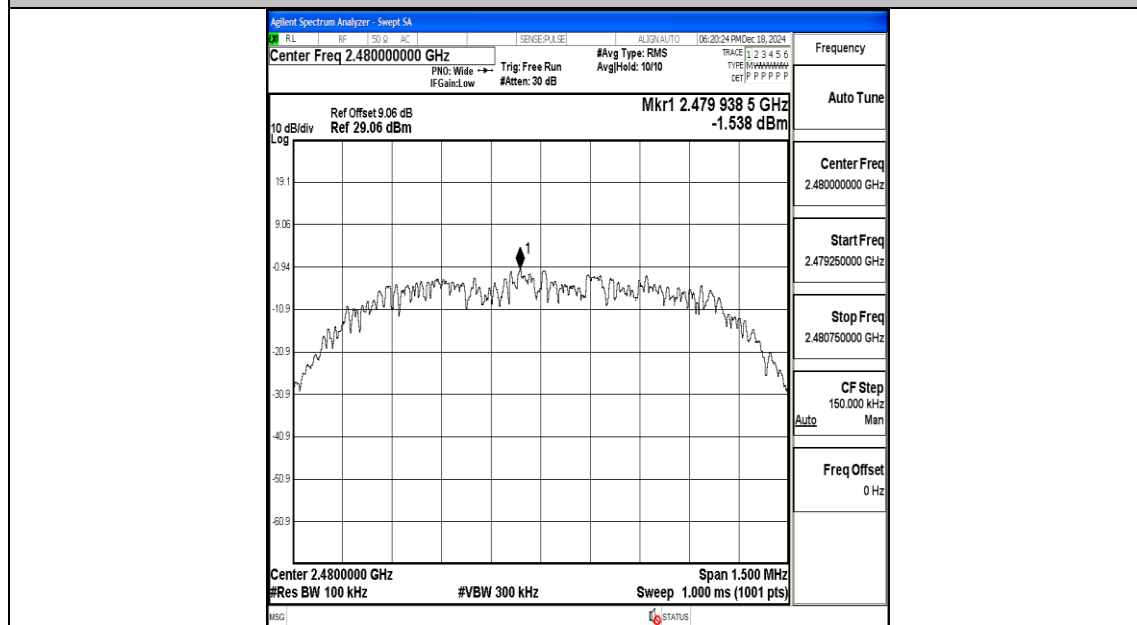
2DH5-Ant1-2441-0~Reference-PASS



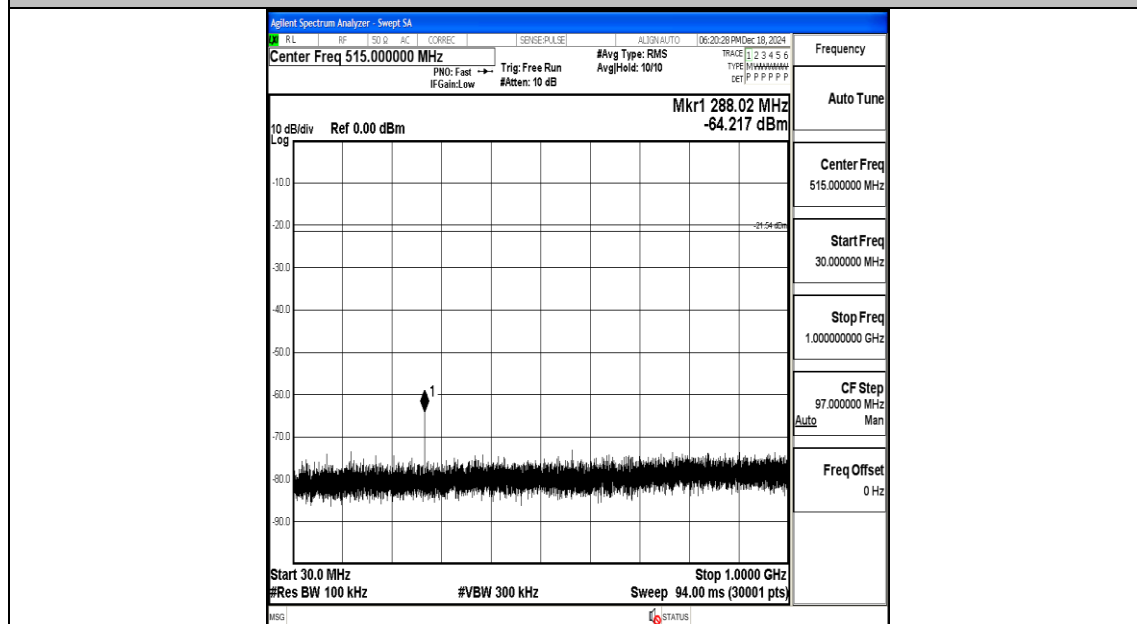
2DH5-Ant1-2441-30~1000-PASS



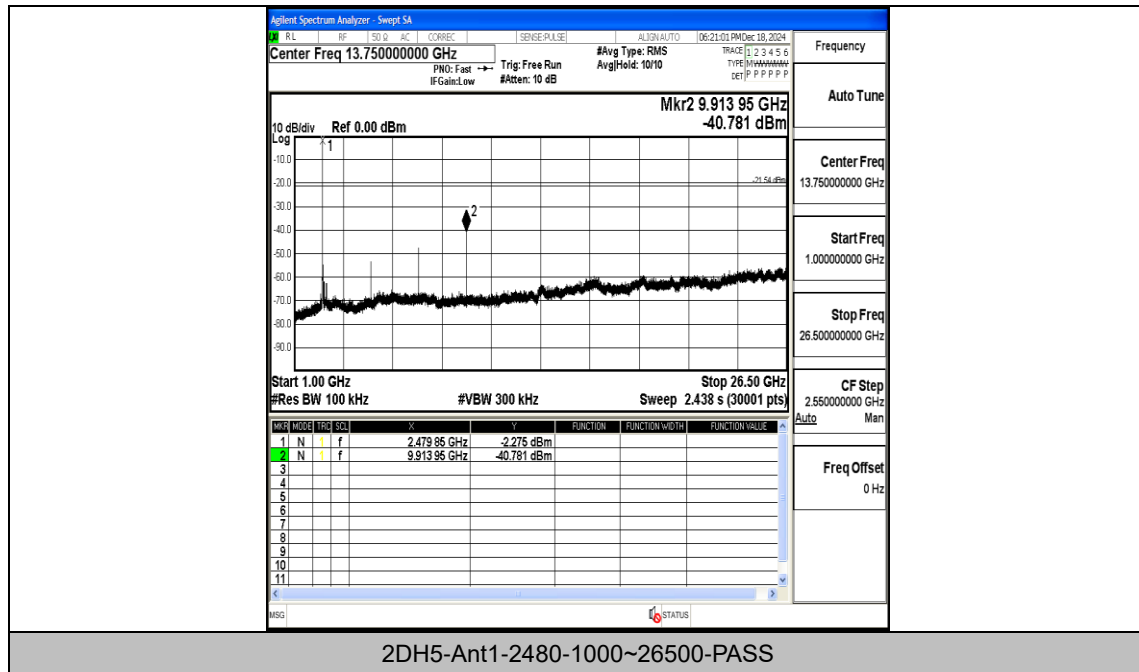
2DH5-Ant1-2441-1000~26500-PASS



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



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



## Appendix I: Duty Cycle

### Test Result

| Test Mode | Antenna | Frequency [MHz] | ON Time [ms] | Period [ms] | Duty Cycle [%] | Duty Cycle Factor [dB] |
|-----------|---------|-----------------|--------------|-------------|----------------|------------------------|
| DH5       | Ant1    | 2402            | 2.88         | 3.75        | 76.80          | 1.15                   |
| DH5       | Ant1    | 2441            | 2.89         | 3.75        | 77.07          | 1.13                   |
| DH5       | Ant1    | 2480            | 2.89         | 3.75        | 77.07          | 1.13                   |
| 2DH5      | Ant1    | 2402            | 2.89         | 3.75        | 77.07          | 1.13                   |
| 2DH5      | Ant1    | 2441            | 2.89         | 3.75        | 77.07          | 1.13                   |
| 2DH5      | Ant1    | 2480            | 2.89         | 3.75        | 77.07          | 1.13                   |

## Test Graphs

