

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

Product Name: BT dongle

Trade Mark: Nacon

Test Model: NC8876

FCC ID: 2AVPR-8876

### Environmental Conditions

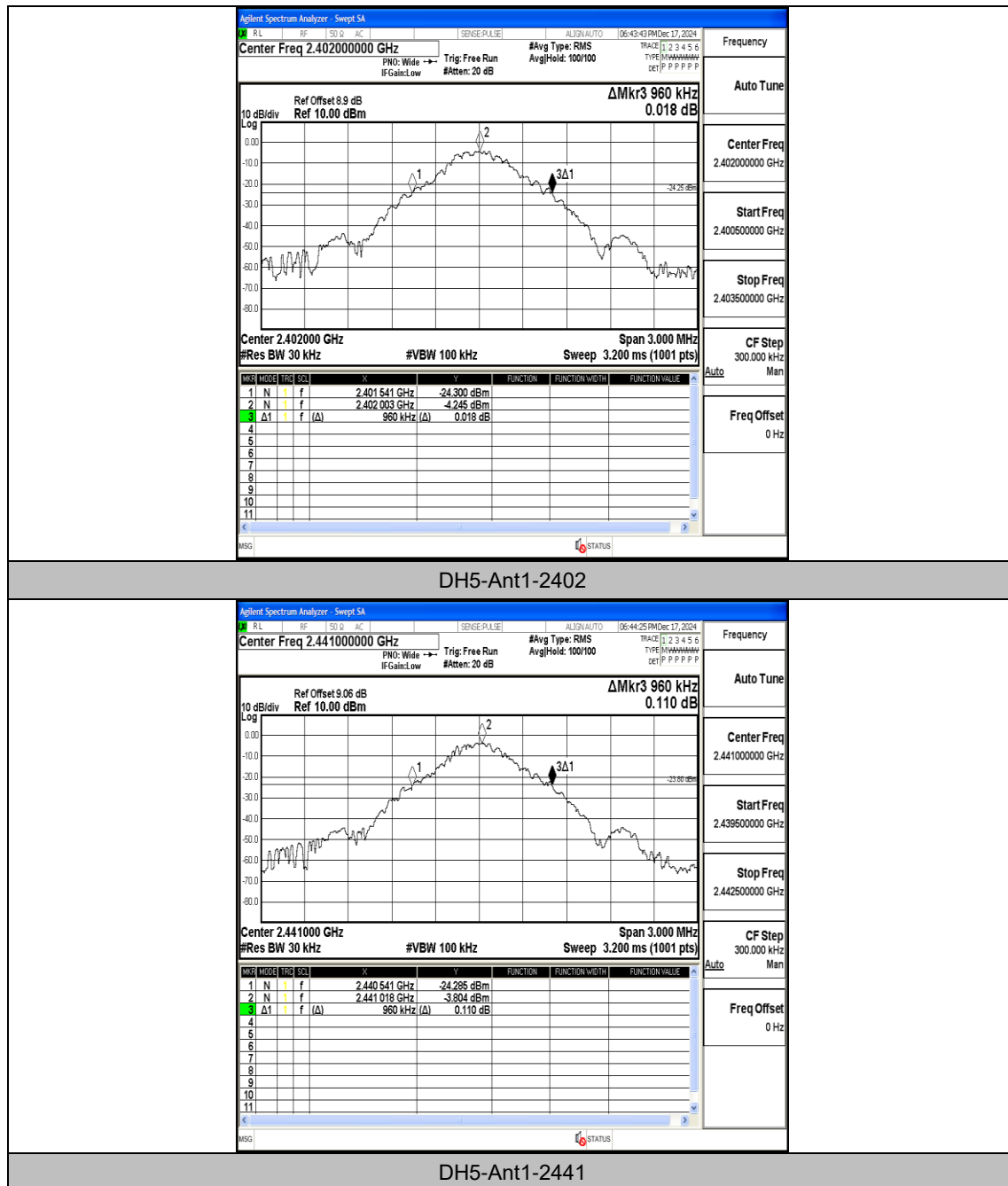
|                    |           |
|--------------------|-----------|
| Temperature:       | 23.5℃     |
| Relative Humidity: | 58%       |
| ATM Pressure:      | 100.0 kPa |
| Test Engineer:     | Allen Lai |
| Supervised by:     | Hugo Chen |
| NOTE               | N/A       |

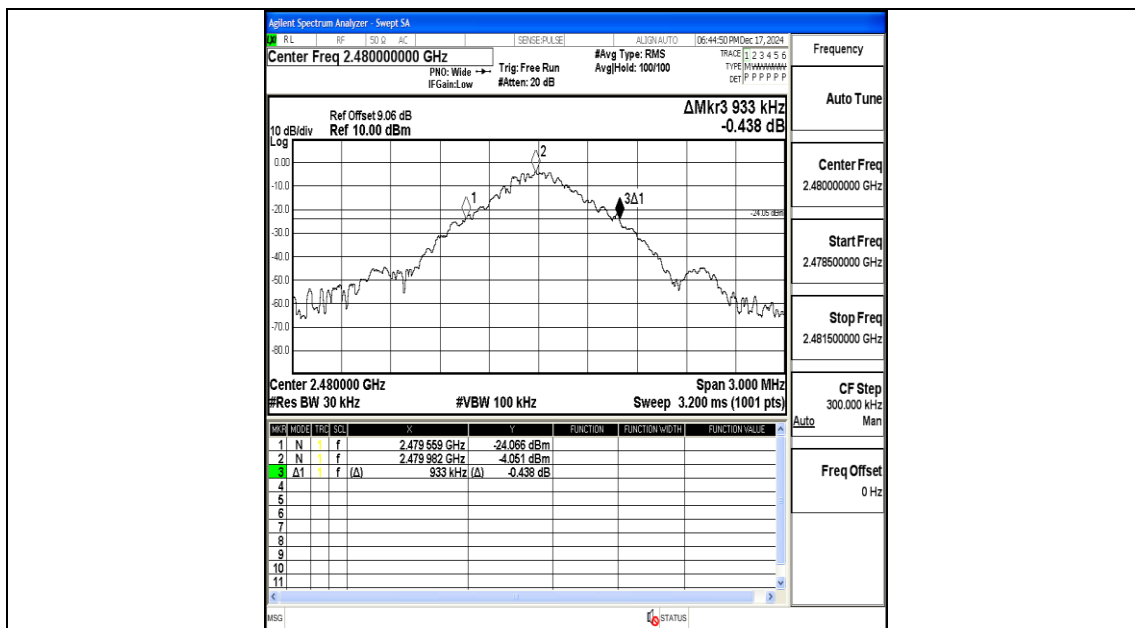
## Appendix A: 20dB Emission Bandwidth

### Test Result

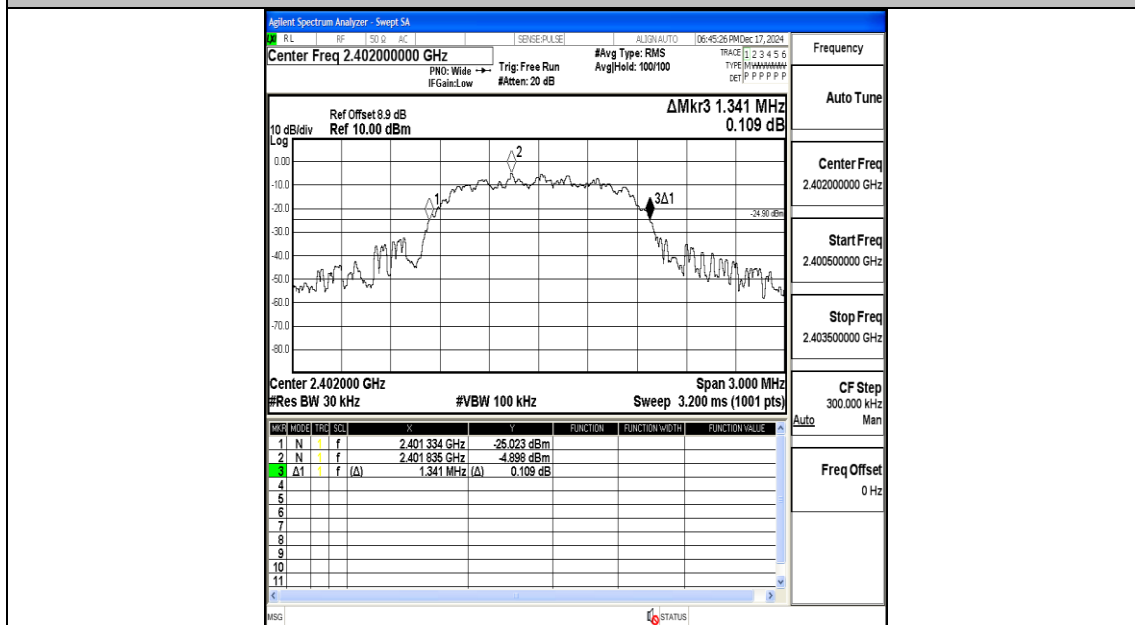
| Test Mode | Antenna | Frequency [MHz] | 20db EBW [MHz] | FL [MHz] | FH [MHz] | Limit [MHz] | Verdict |
|-----------|---------|-----------------|----------------|----------|----------|-------------|---------|
| DH5       | Ant1    | 2402            | 0.960          | 2401.541 | 2402.501 | ---         | ---     |
| DH5       | Ant1    | 2441            | 0.960          | 2440.541 | 2441.501 | ---         | ---     |
| DH5       | Ant1    | 2480            | 0.933          | 2479.559 | 2480.492 | ---         | ---     |
| 2DH5      | Ant1    | 2402            | 1.341          | 2401.334 | 2402.675 | ---         | ---     |
| 2DH5      | Ant1    | 2441            | 1.338          | 2440.337 | 2441.675 | ---         | ---     |
| 2DH5      | Ant1    | 2480            | 1.338          | 2479.340 | 2480.678 | ---         | ---     |
| 3DH5      | Ant1    | 2402            | 1.320          | 2401.349 | 2402.669 | ---         | ---     |
| 3DH5      | Ant1    | 2441            | 1.314          | 2440.358 | 2441.672 | ---         | ---     |
| 3DH5      | Ant1    | 2480            | 1.311          | 2479.352 | 2480.663 | ---         | ---     |

## Test Graphs

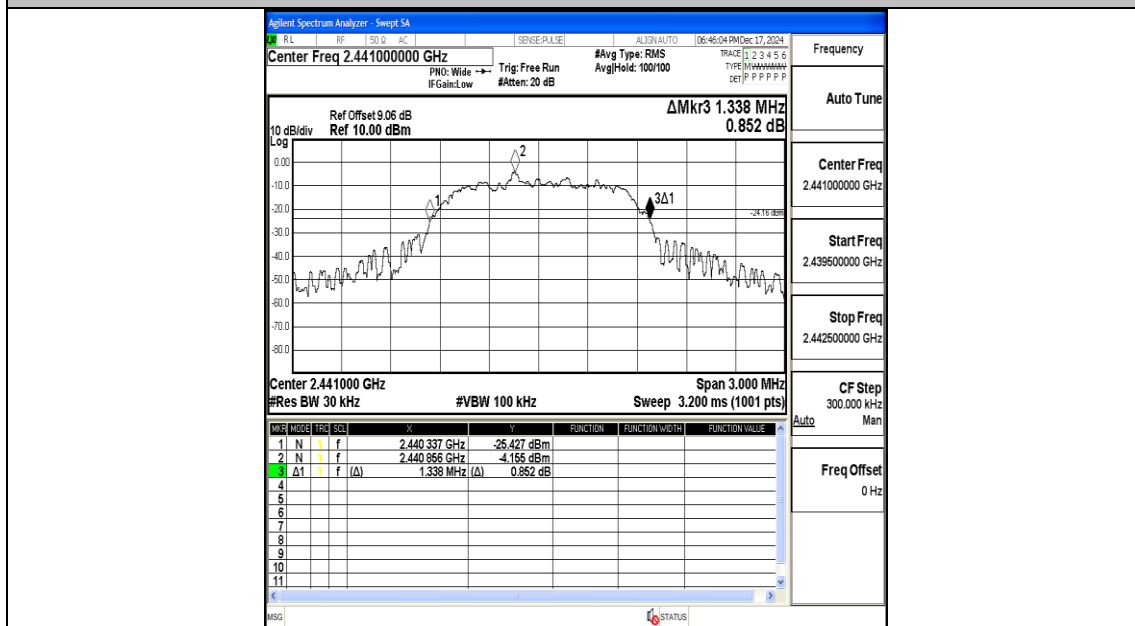




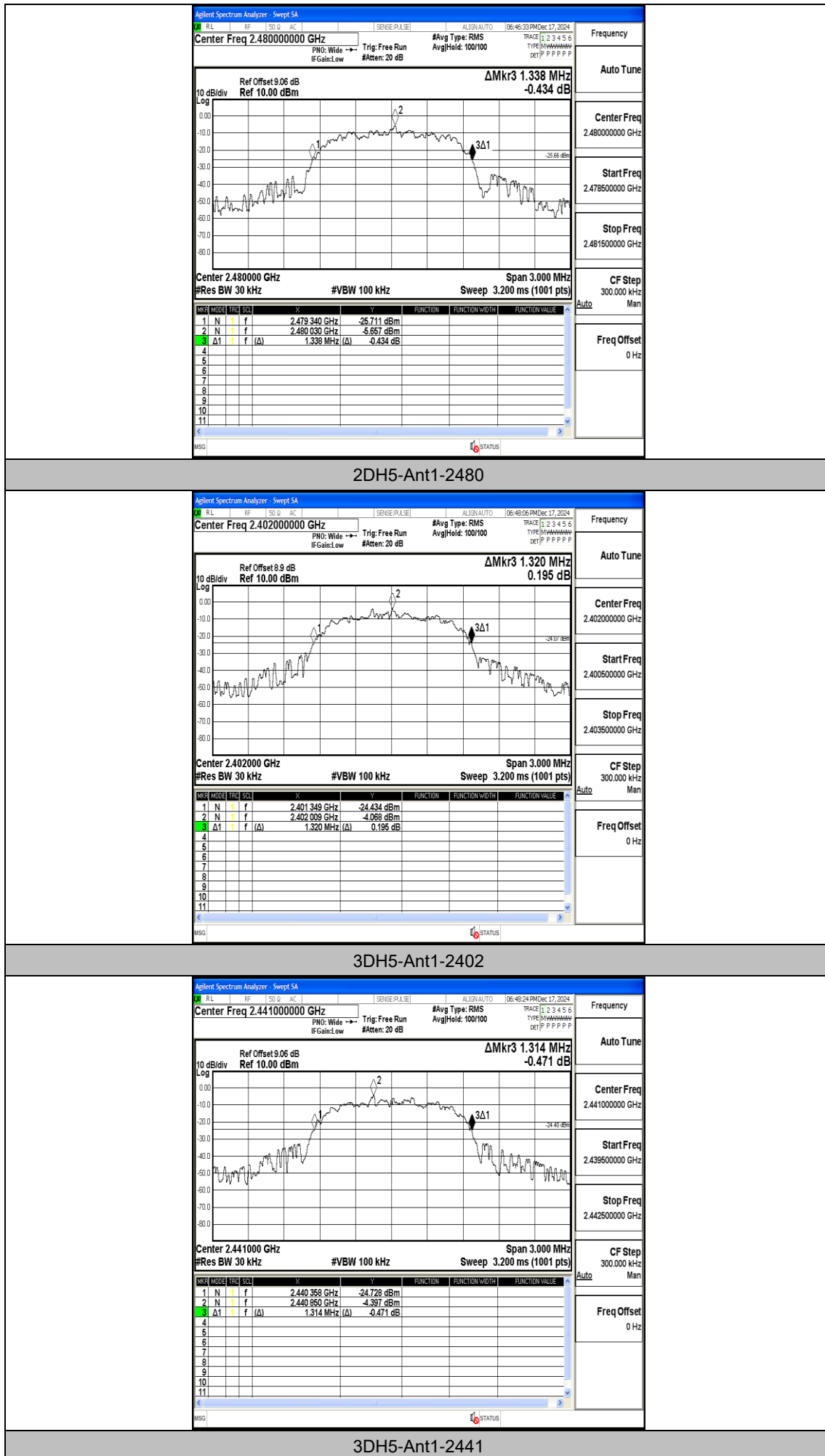
DH5-Ant1-2480

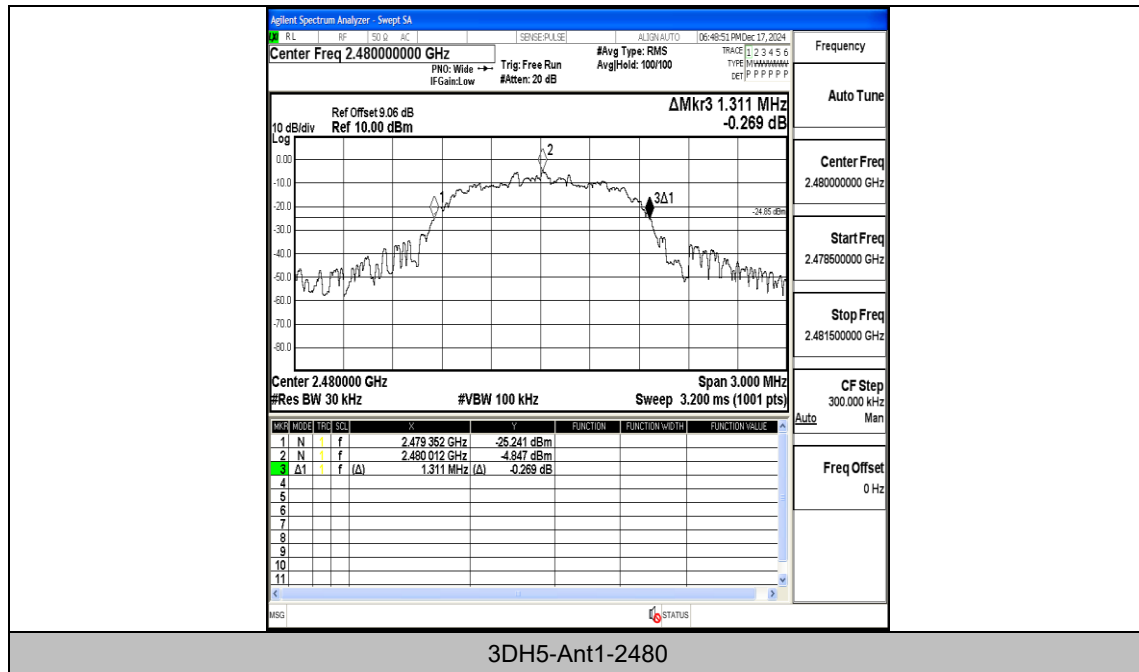


2DH5-Ant1-2402



2DH5-Ant1-2441



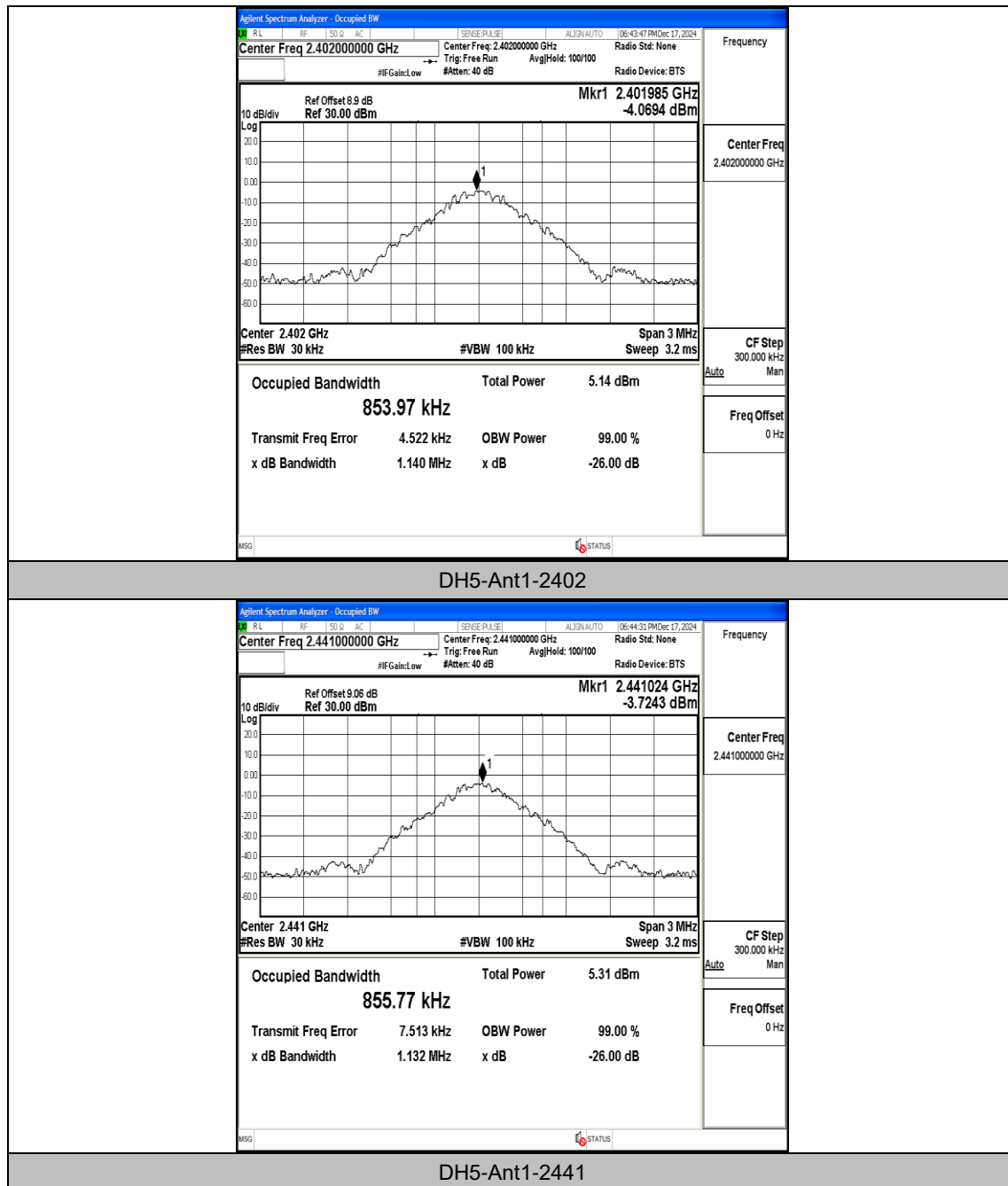


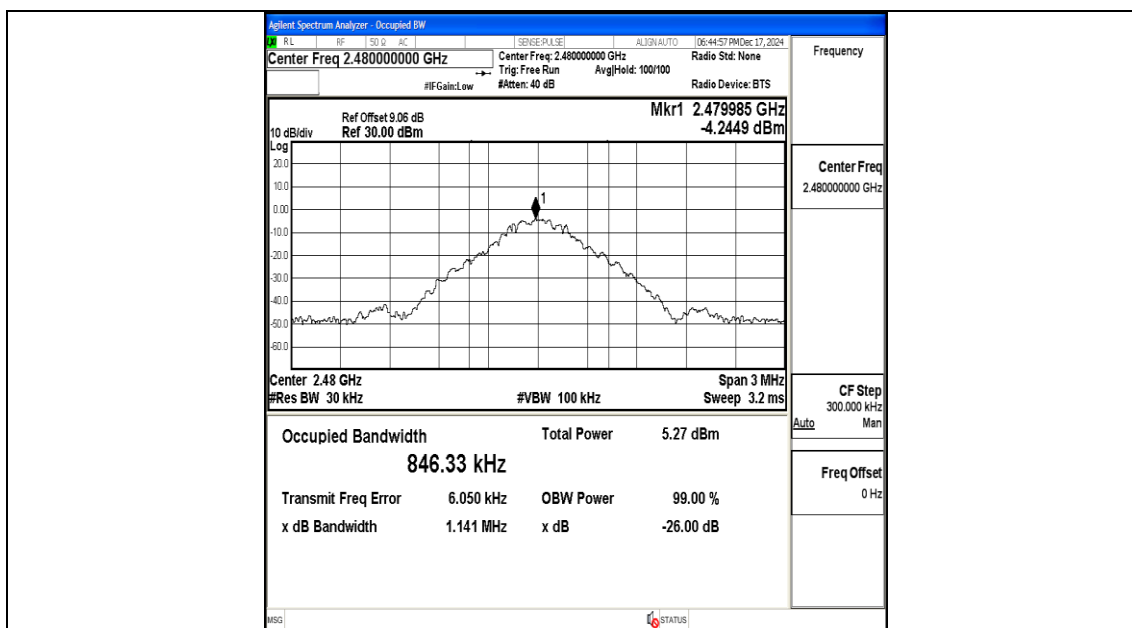
## Appendix B: Occupied Channel Bandwidth

### Test Result

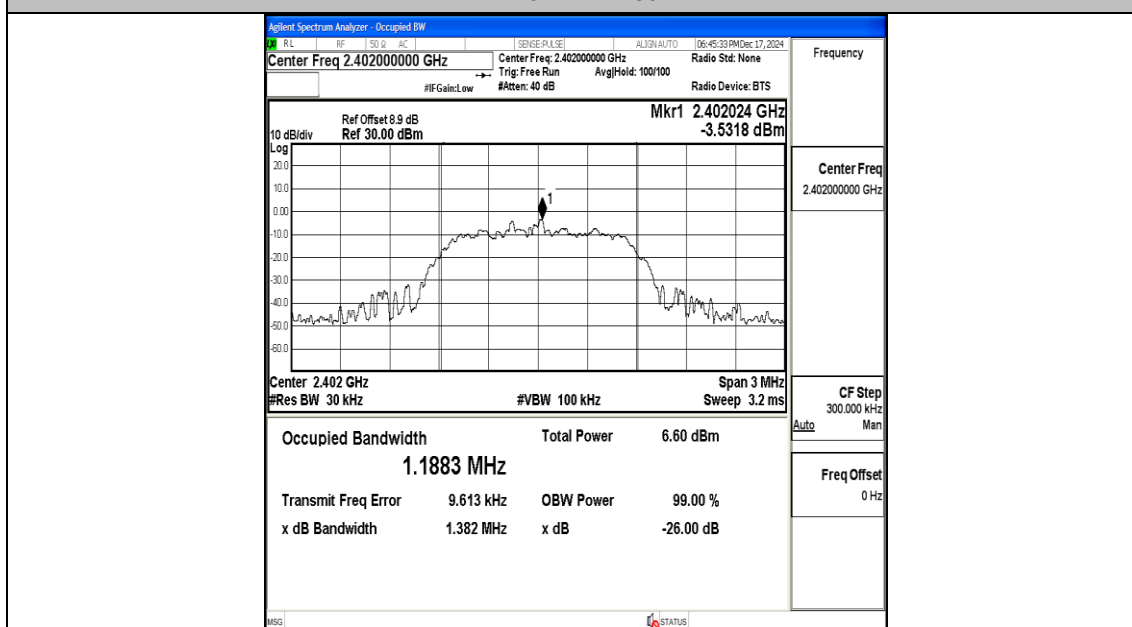
| Test Mode | Antenna | Frequency [MHz] | OCB [MHz] | FL [MHz]  | FH [MHz]  | Limit [MHz] | Verdict |
|-----------|---------|-----------------|-----------|-----------|-----------|-------------|---------|
| DH5       | Ant1    | 2402            | 0.85397   | 2401.5775 | 2402.4315 | ---         | ---     |
| DH5       | Ant1    | 2441            | 0.85577   | 2440.5796 | 2441.4354 | ---         | ---     |
| DH5       | Ant1    | 2480            | 0.84633   | 2479.5829 | 2480.4292 | ---         | ---     |
| 2DH5      | Ant1    | 2402            | 1.1883    | 2401.4155 | 2402.6038 | ---         | ---     |
| 2DH5      | Ant1    | 2441            | 1.2002    | 2440.4065 | 2441.6067 | ---         | ---     |
| 2DH5      | Ant1    | 2480            | 1.2002    | 2479.4088 | 2480.6090 | ---         | ---     |
| 3DH5      | Ant1    | 2402            | 1.2135    | 2401.3976 | 2402.6111 | ---         | ---     |
| 3DH5      | Ant1    | 2441            | 1.2042    | 2440.4048 | 2441.6090 | ---         | ---     |
| 3DH5      | Ant1    | 2480            | 1.1898    | 2479.4176 | 2480.6074 | ---         | ---     |

## Test Graphs

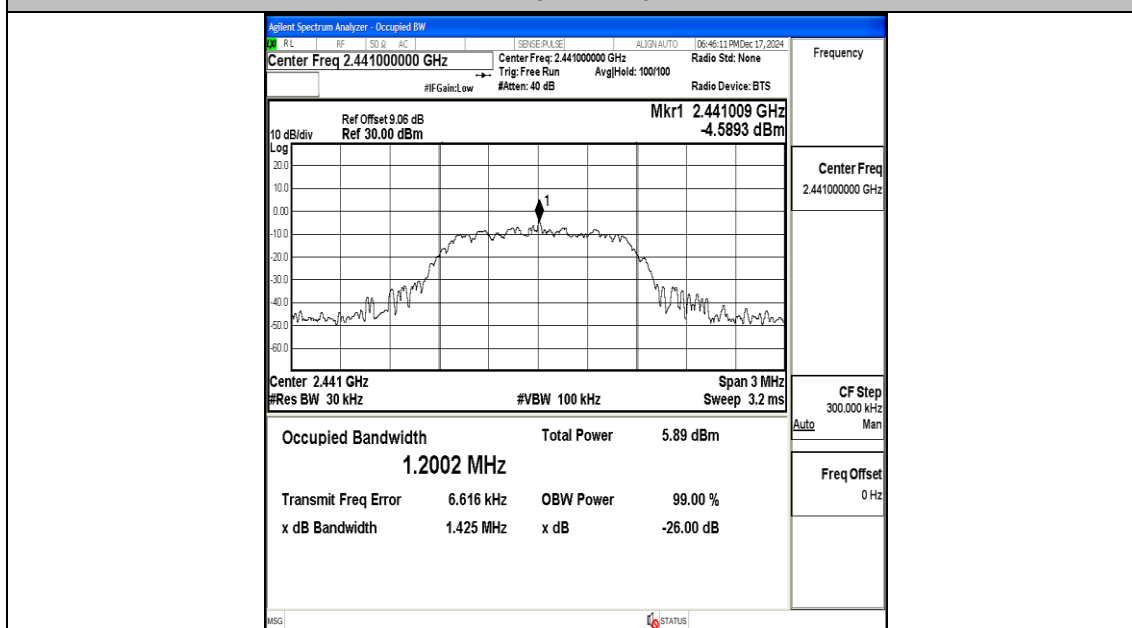




DH5-Ant1-2480

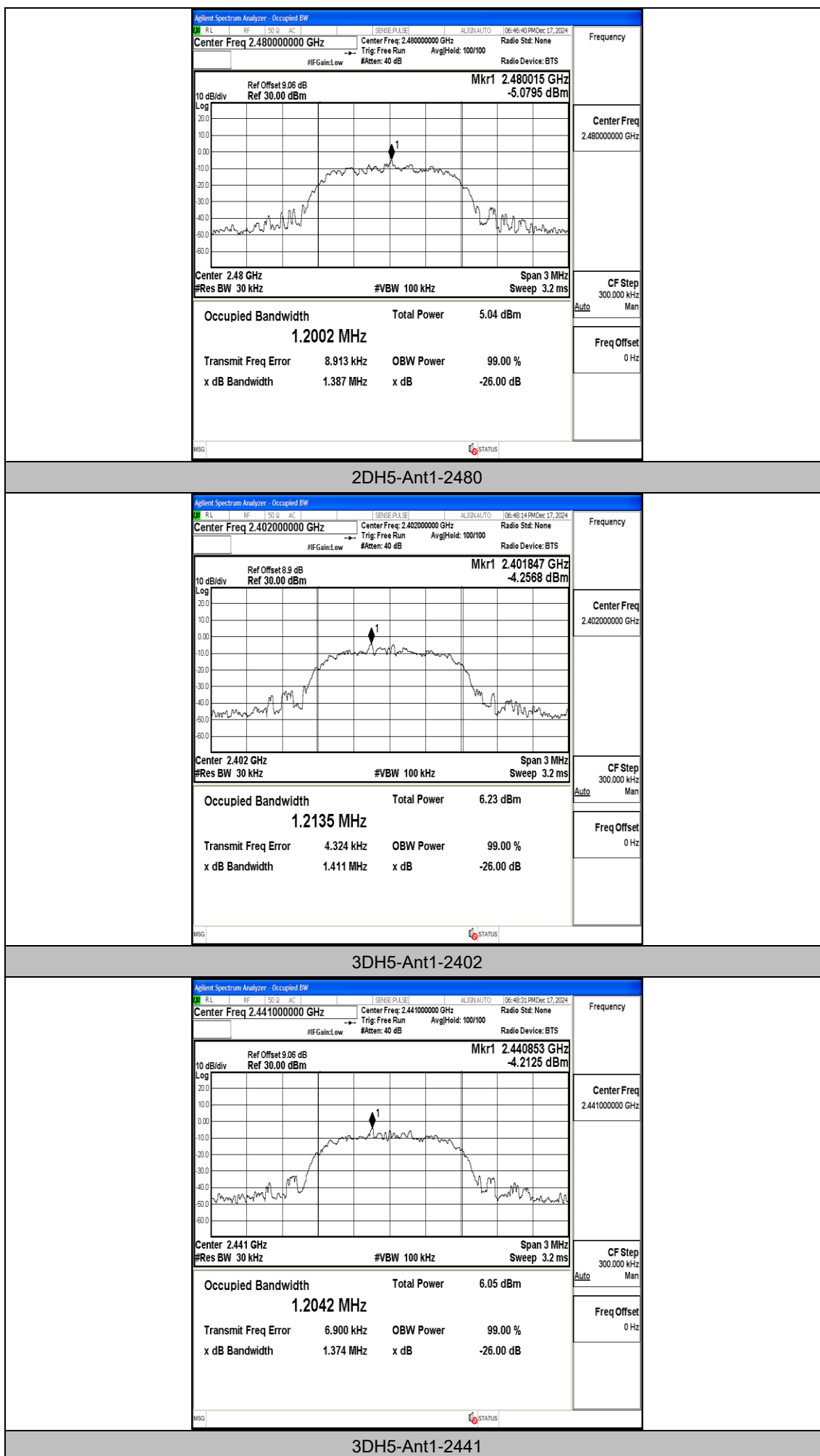


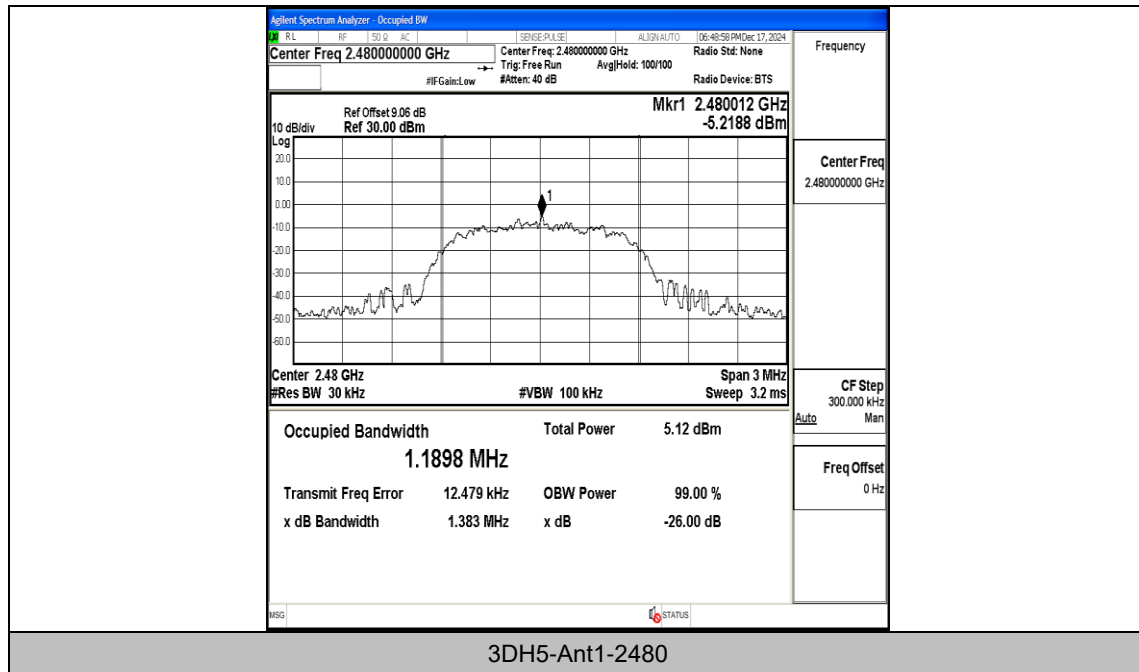
2DH5-Ant1-2402



2DH5-Ant1-2441





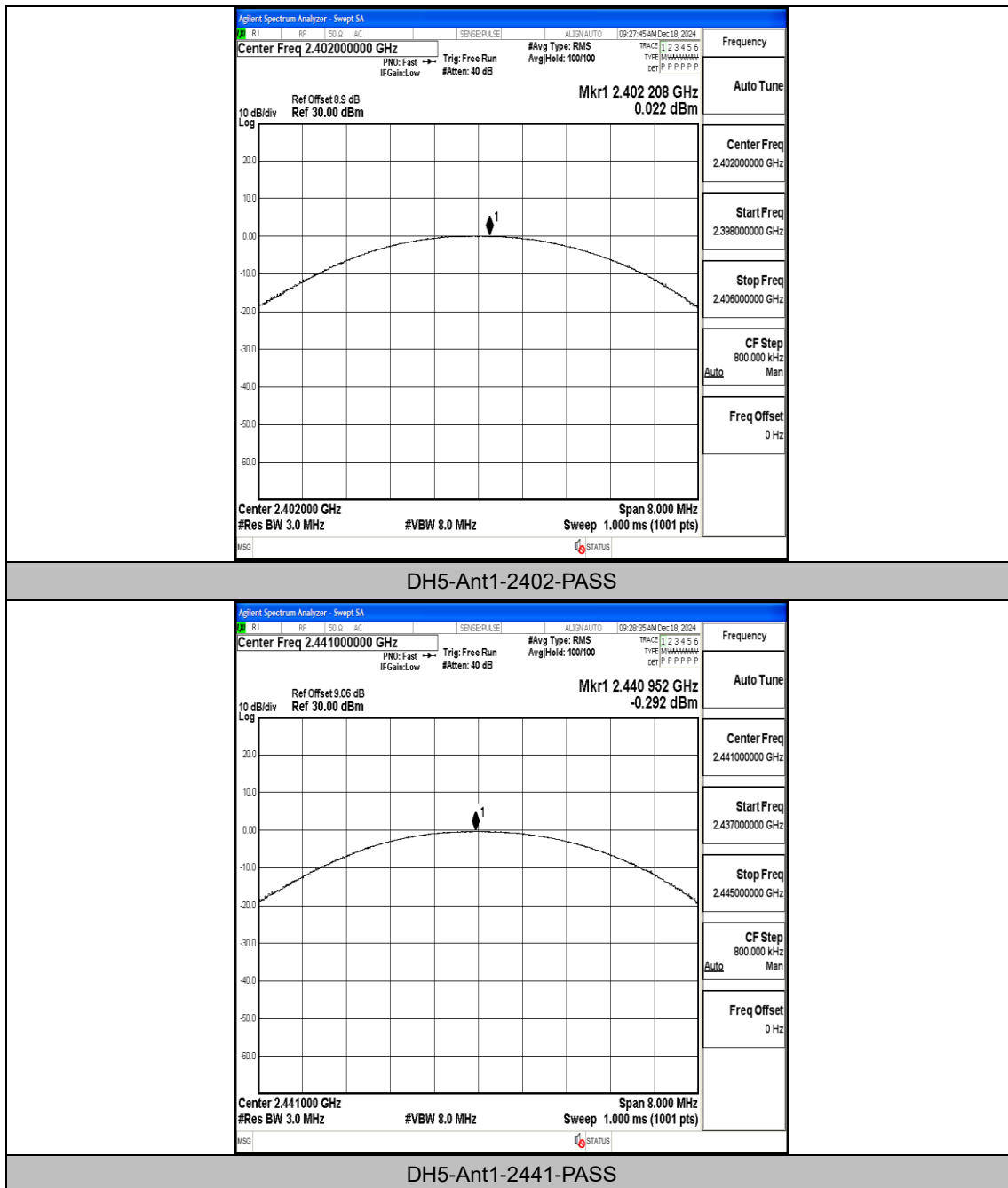


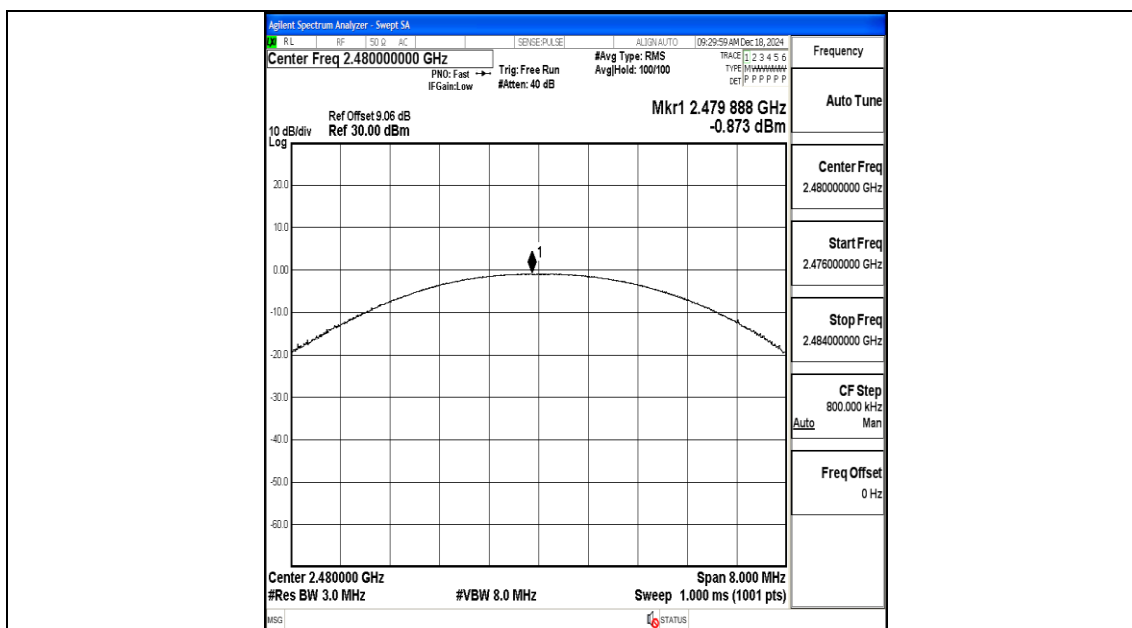
## Appendix C: Maximum peak conducted output power

### Test Result

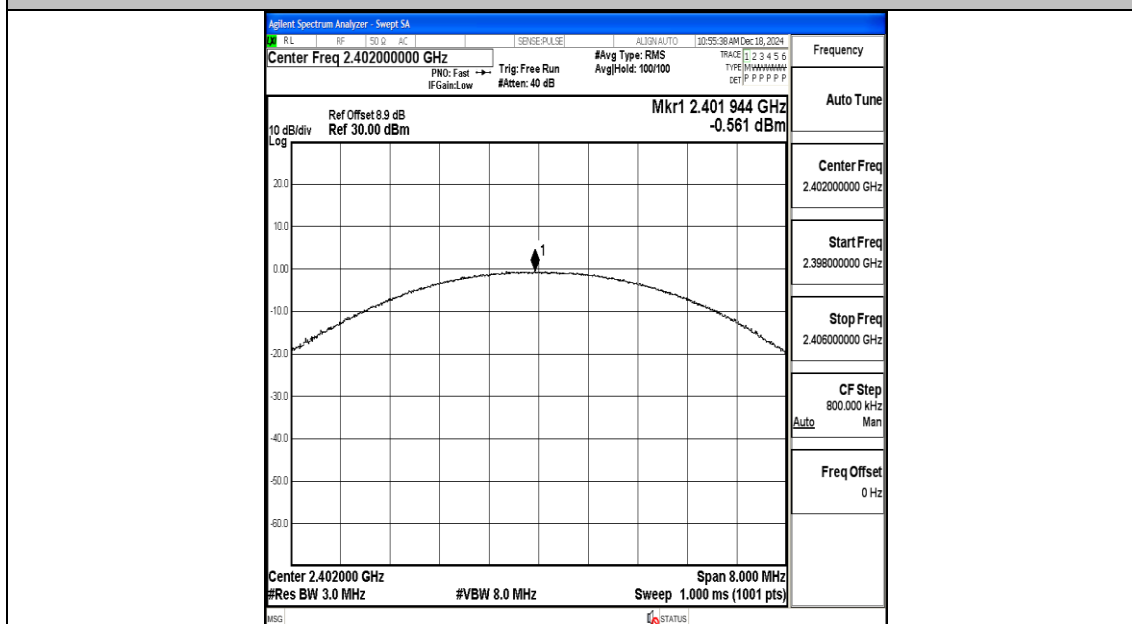
| Test Mode | Antenna | Frequency [MHz] | Conducted Peak Power [dBm] | Conducted Limit [dBm] | Verdict |
|-----------|---------|-----------------|----------------------------|-----------------------|---------|
| DH5       | Ant1    | 2402            | 0.02                       | ≤30                   | PASS    |
| DH5       | Ant1    | 2441            | -0.29                      | ≤30                   | PASS    |
| DH5       | Ant1    | 2480            | -0.87                      | ≤30                   | PASS    |
| 2DH5      | Ant1    | 2402            | -0.56                      | ≤20.97                | PASS    |
| 2DH5      | Ant1    | 2441            | 0.22                       | ≤20.97                | PASS    |
| 2DH5      | Ant1    | 2480            | 0.11                       | ≤20.97                | PASS    |
| 3DH5      | Ant1    | 2402            | 0.99                       | ≤20.97                | PASS    |
| 3DH5      | Ant1    | 2441            | 0.69                       | ≤20.97                | PASS    |
| 3DH5      | Ant1    | 2480            | 0.84                       | ≤20.97                | PASS    |

## Test Graphs

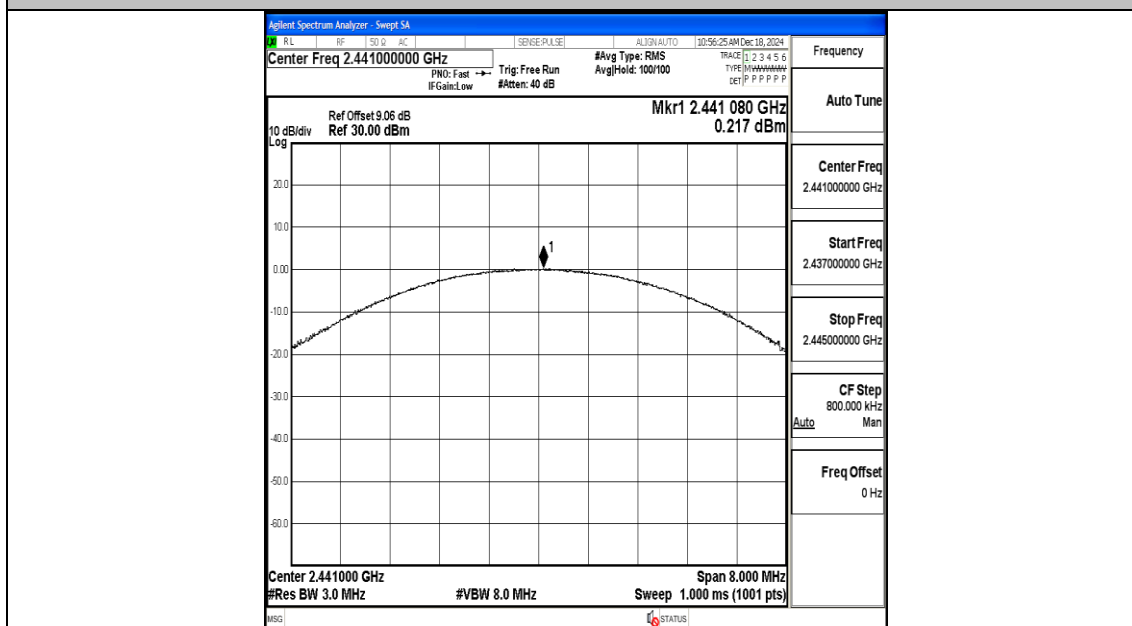




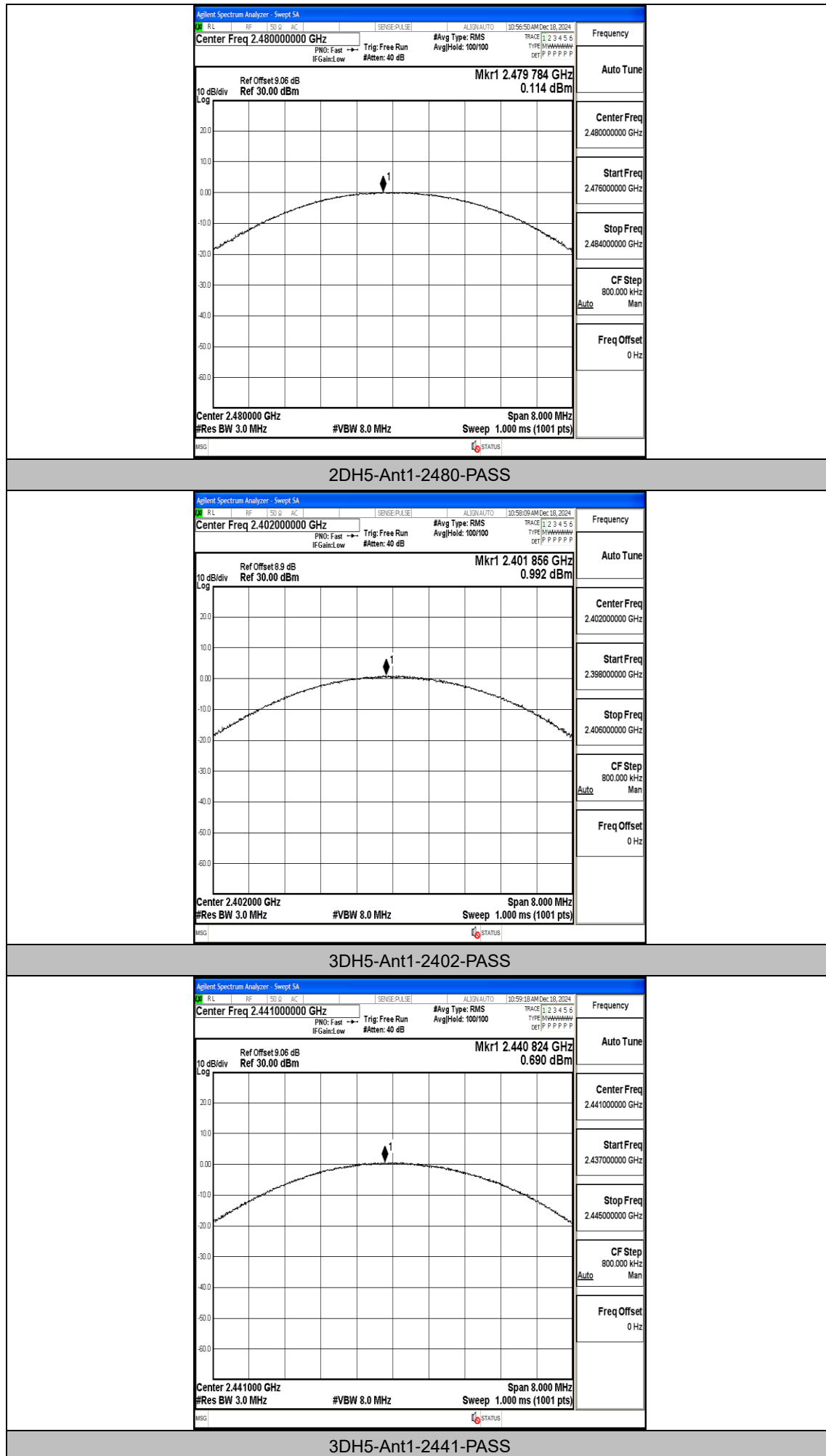
DH5-Ant1-2480-PASS

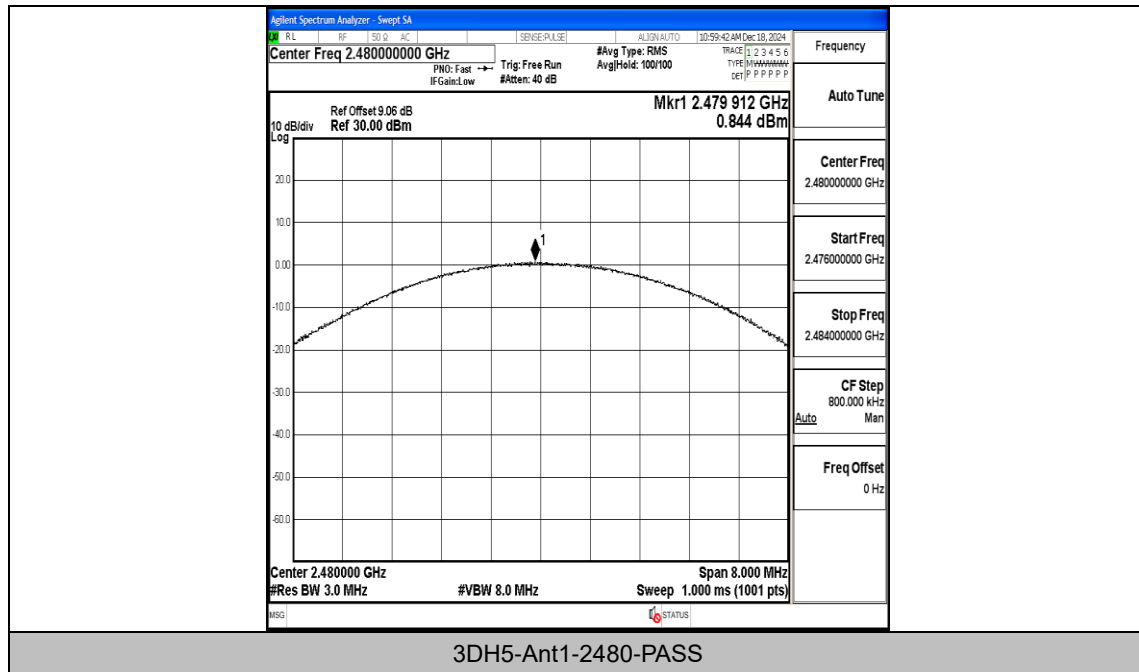


2DH5-Ant1-2402-PASS



2DH5-Ant1-2441-PASS





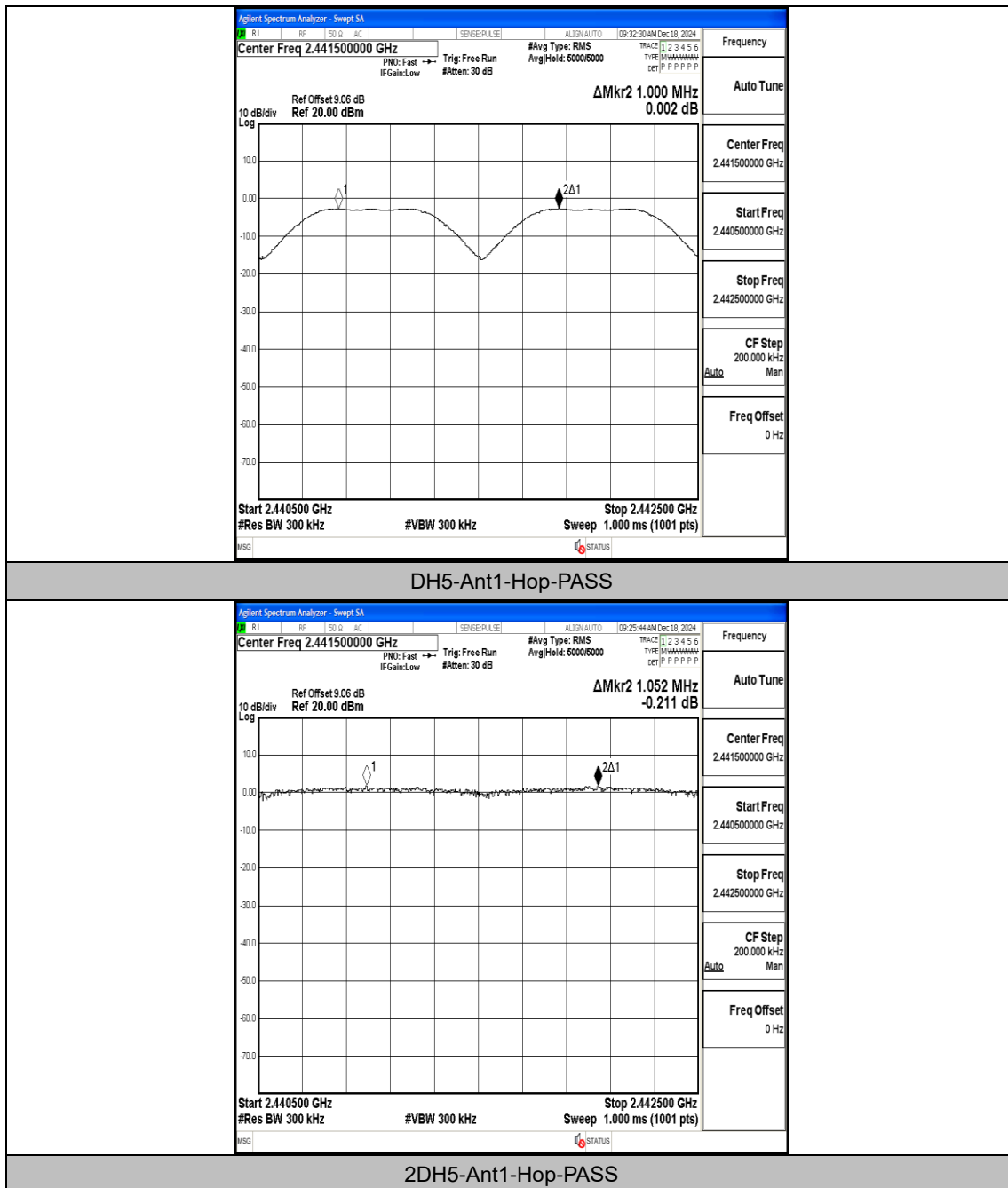
## Appendix D: Carrier frequency separation

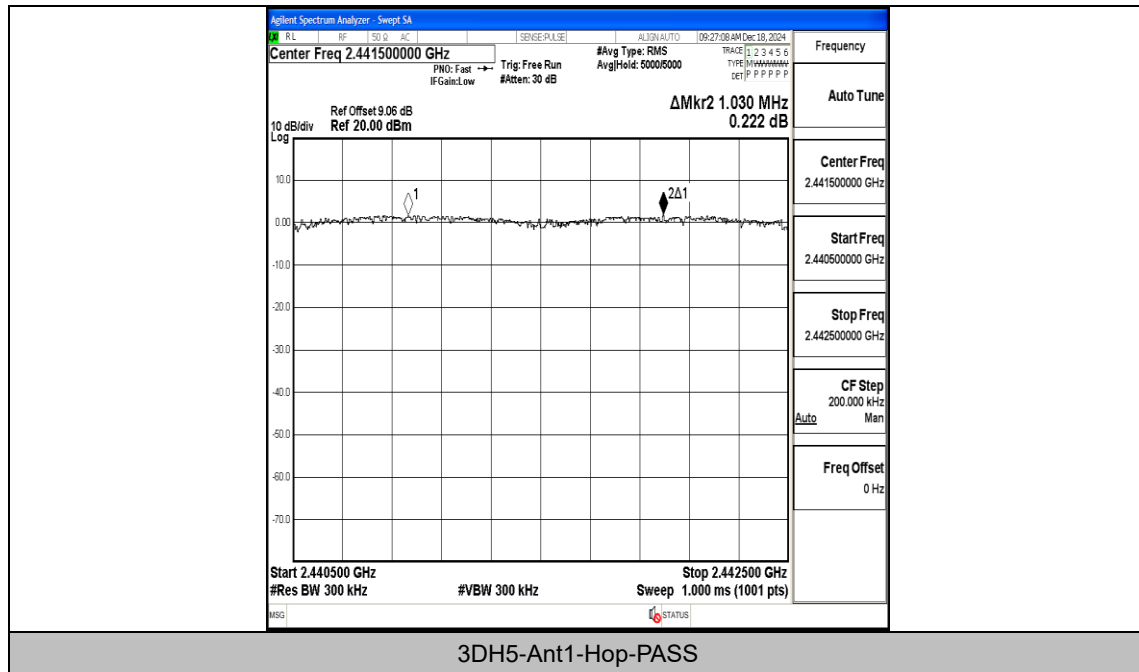
### Test Result

| Test Mode | Antenna | Frequency<br>[MHz] | Result<br>[MHz] | Limit<br>[MHz] | Verdict |
|-----------|---------|--------------------|-----------------|----------------|---------|
| DH5       | Ant1    | Hop                | 1               | $\geq 0.960$   | PASS    |
| 2DH5      | Ant1    | Hop                | 1.052           | $\geq 0.894$   | PASS    |
| 3DH5      | Ant1    | Hop                | 1.03            | $\geq 0.880$   | PASS    |



## Test Graphs



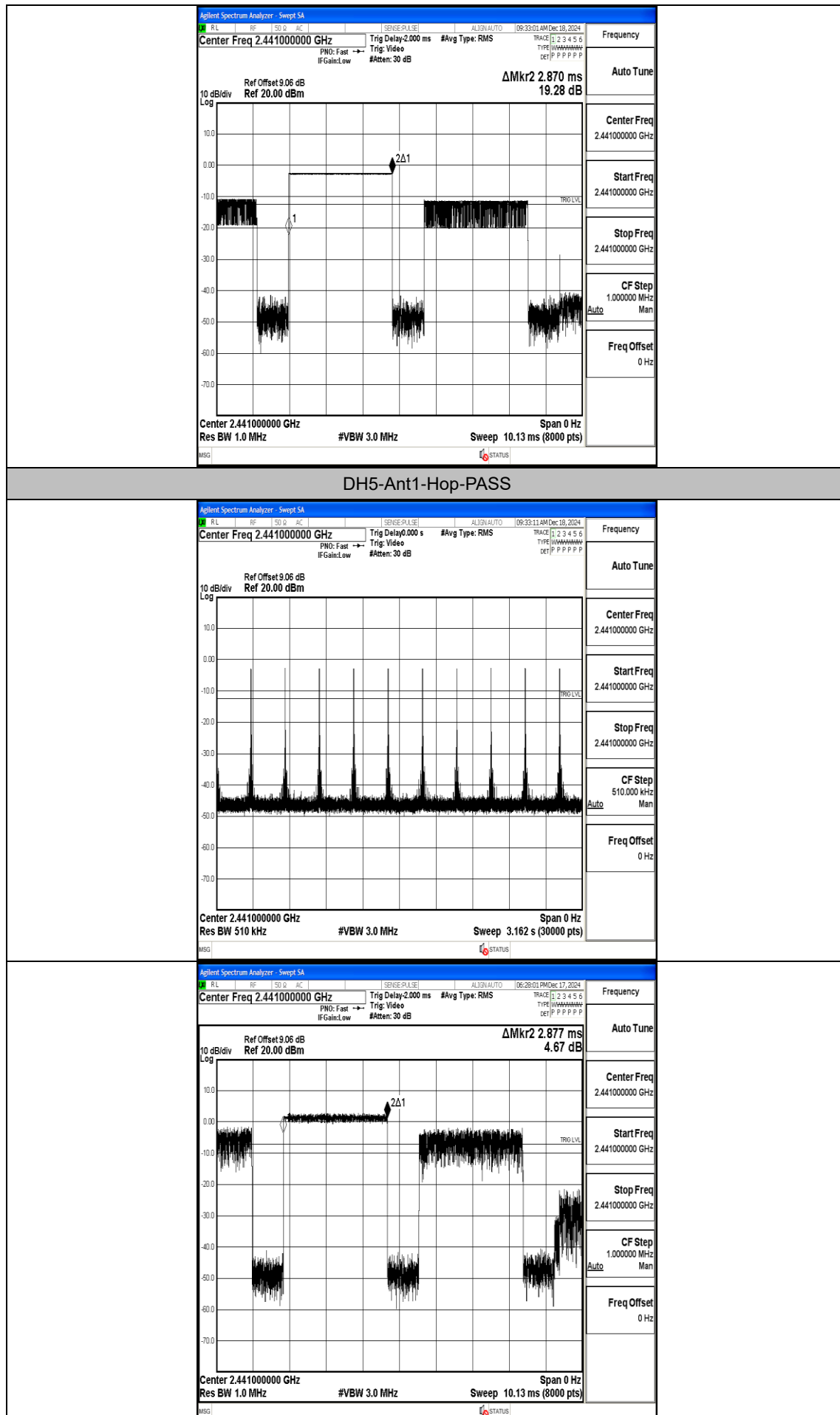


## Appendix E: Time of occupancy

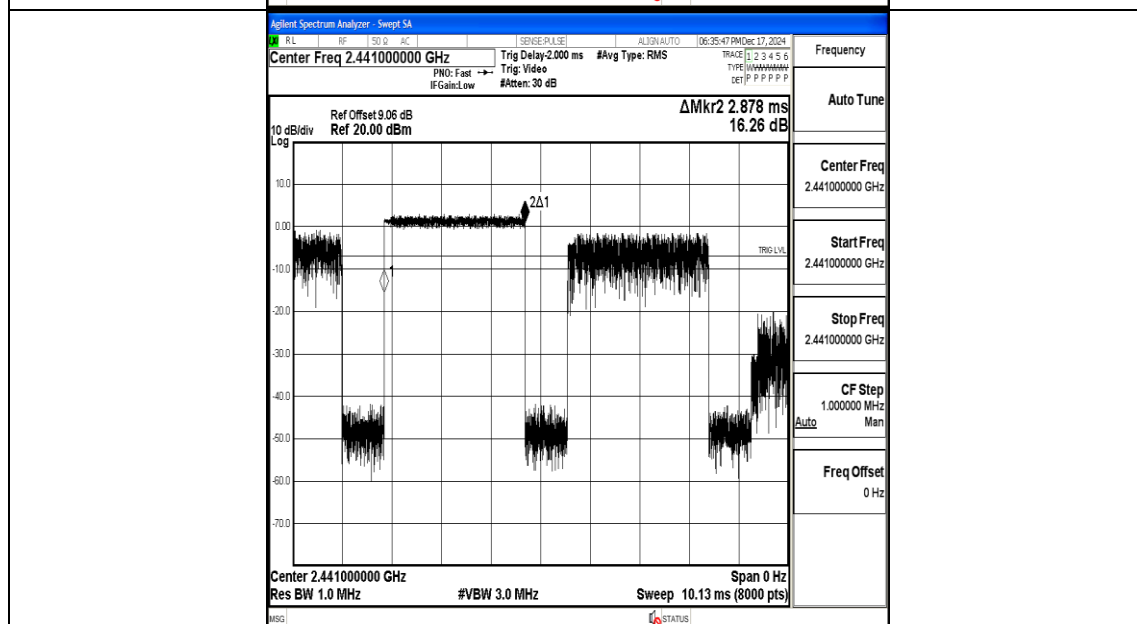
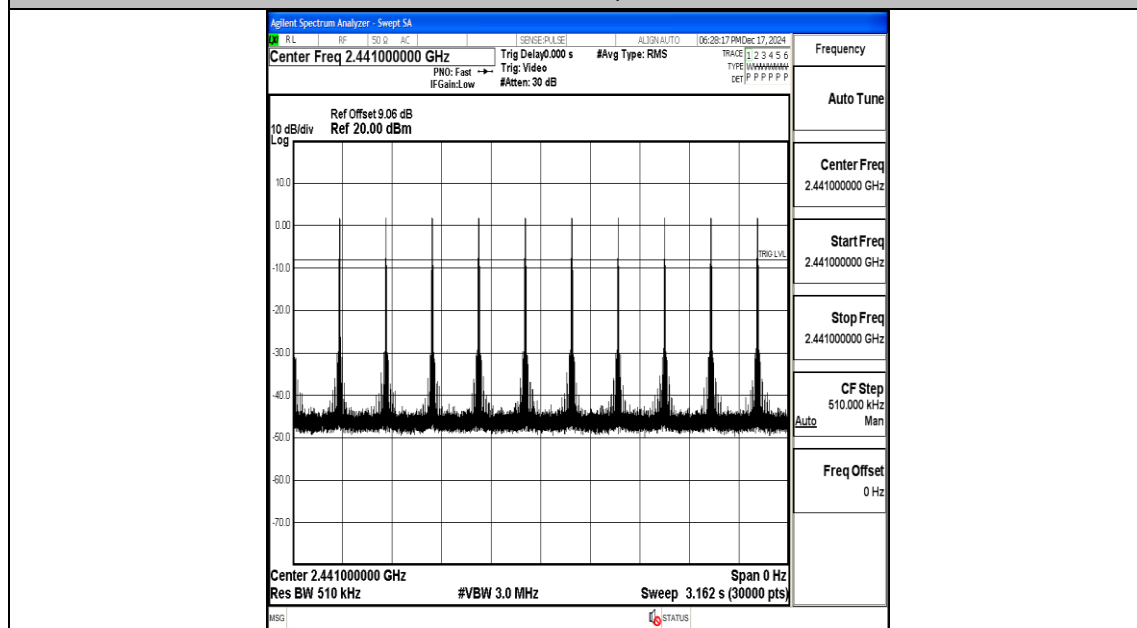
### Test Result

| Test Mode | Antenna | Frequency [MHz] | Burst Width [ms] | TotalHops [Num] | Result [s] | Limit [s] | Verdict |
|-----------|---------|-----------------|------------------|-----------------|------------|-----------|---------|
| DH5       | Ant1    | Hop             | 2.870            | 110             | 0.316      | ≤0.4      | PASS    |
| 2DH5      | Ant1    | Hop             | 2.877            | 110             | 0.316      | ≤0.4      | PASS    |
| 3DH5      | Ant1    | Hop             | 2.878            | 110             | 0.317      | ≤0.4      | PASS    |

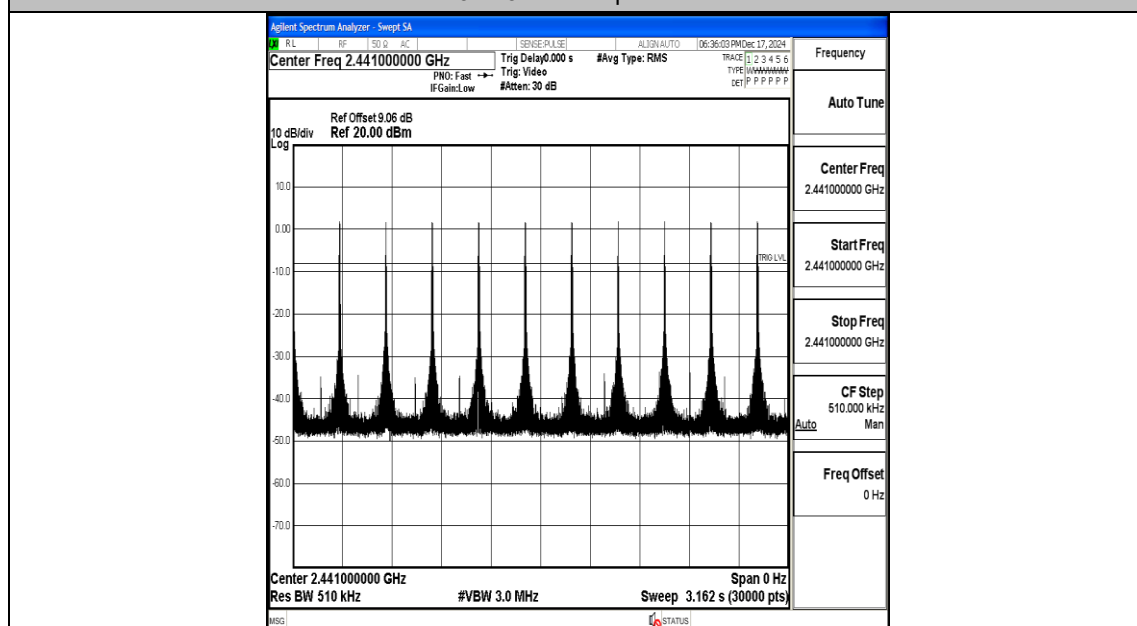
## Test Graphs



## 2DH5-Ant1-Hop-PASS



## 3DH5-Ant1-Hop-PASS

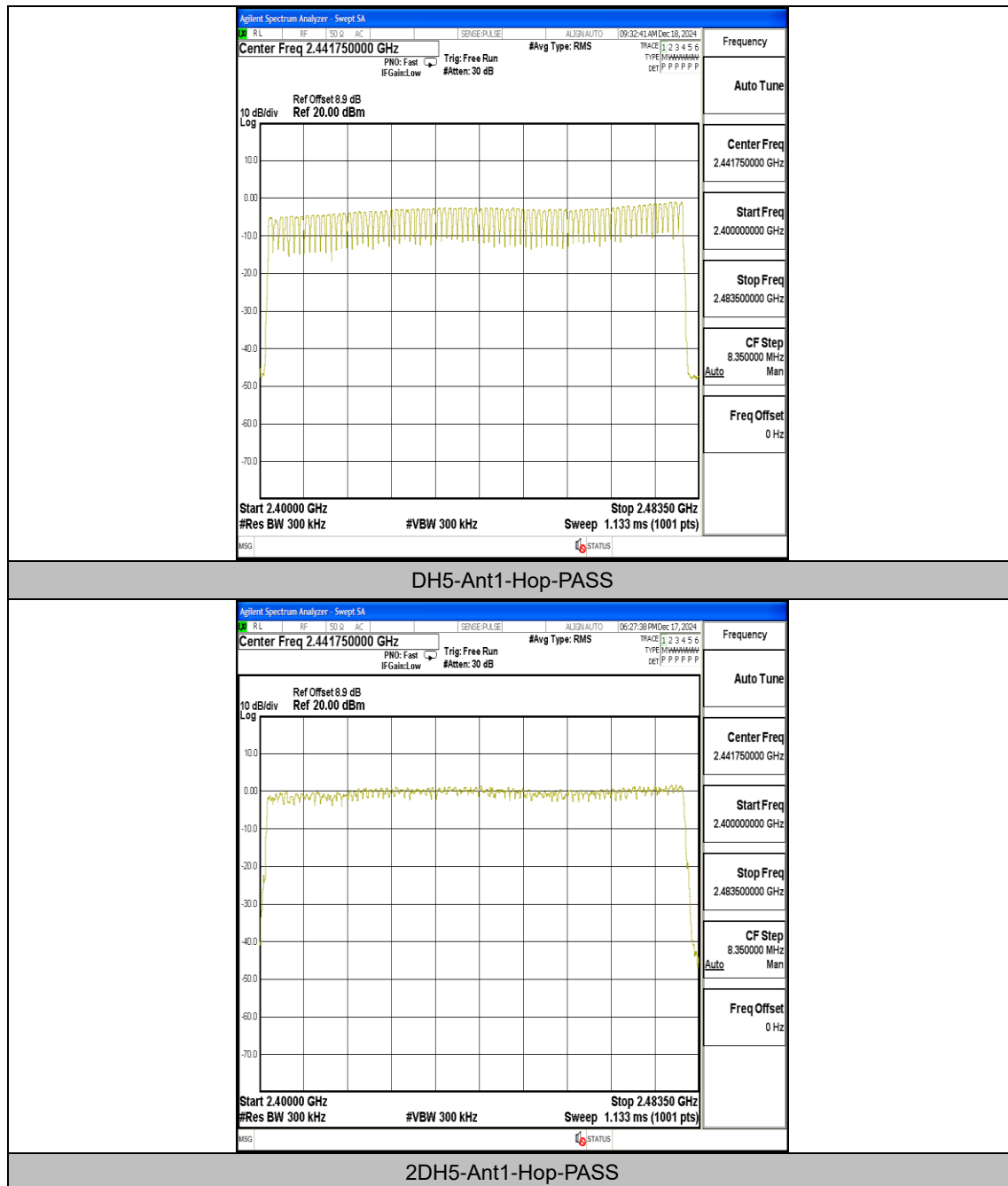


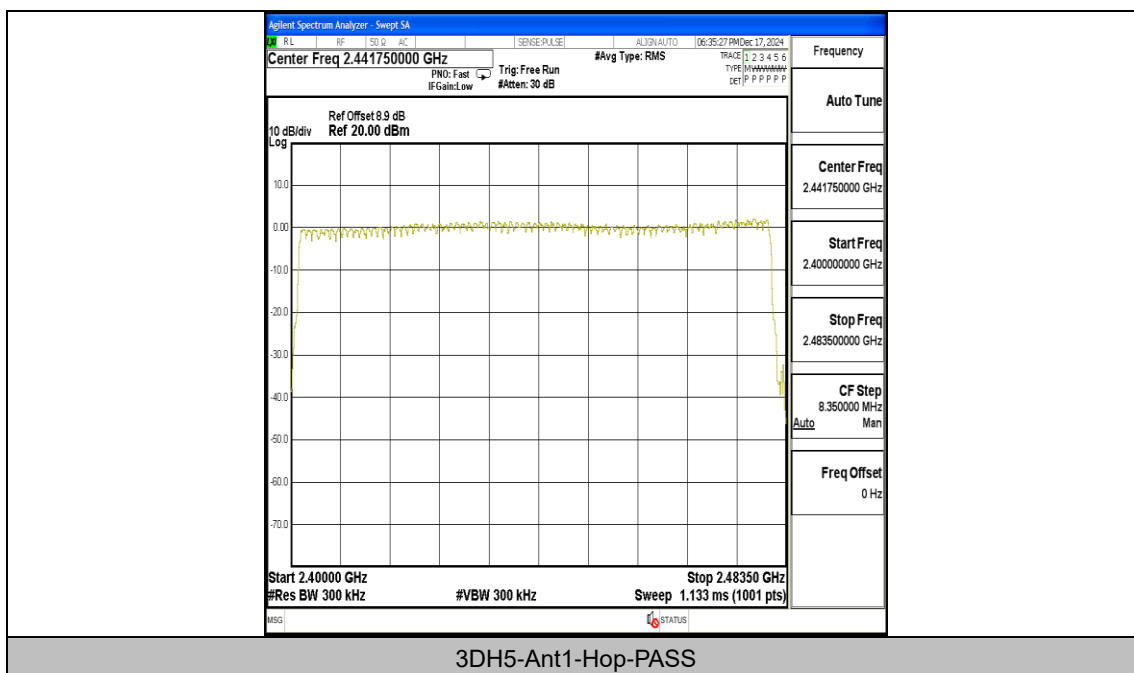
## Appendix F: Number of hopping channels

### 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    |
| 3DH5      | Ant1    | Hop                | 79              | ≥15            | PASS    |

## Test Graphs





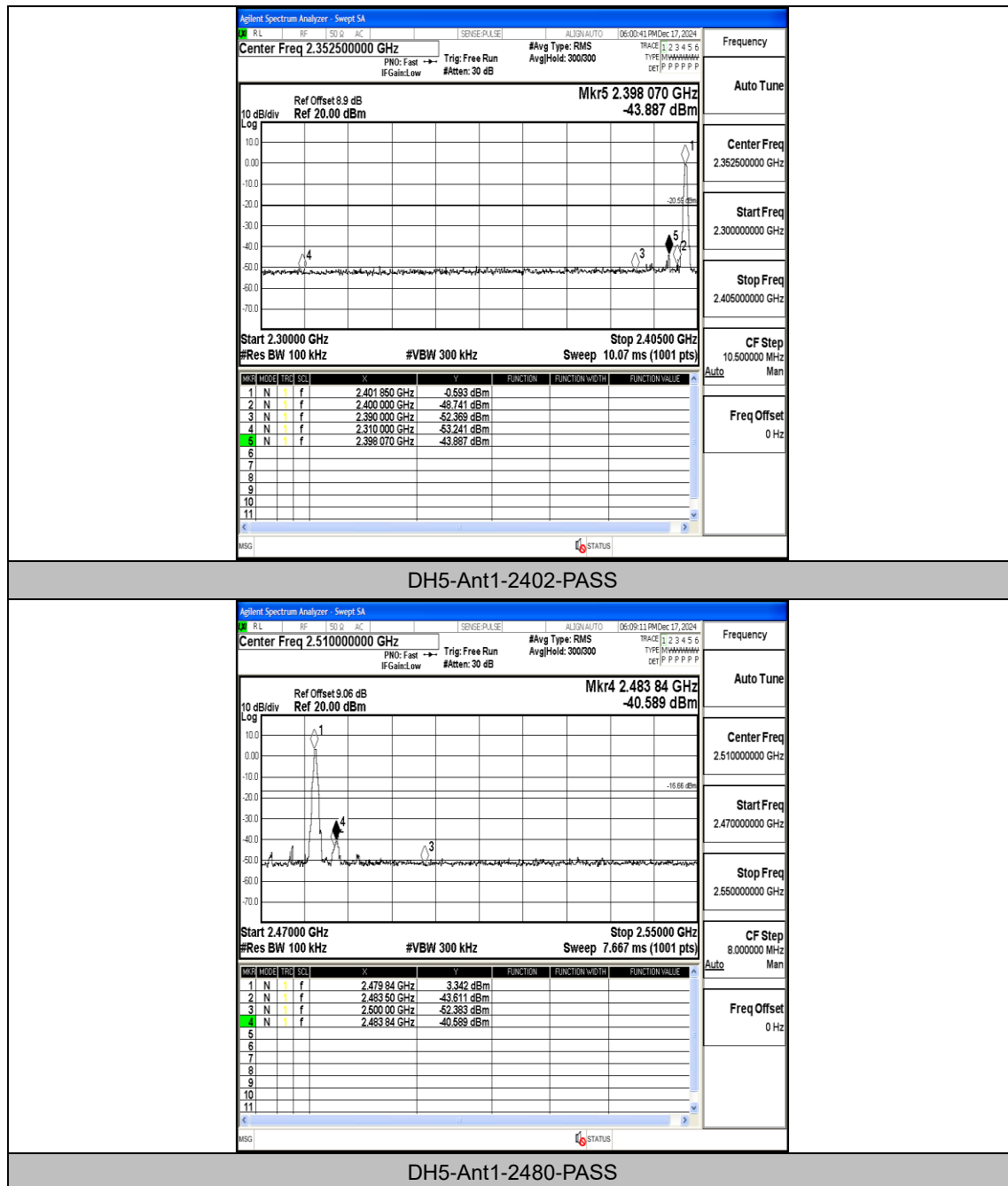


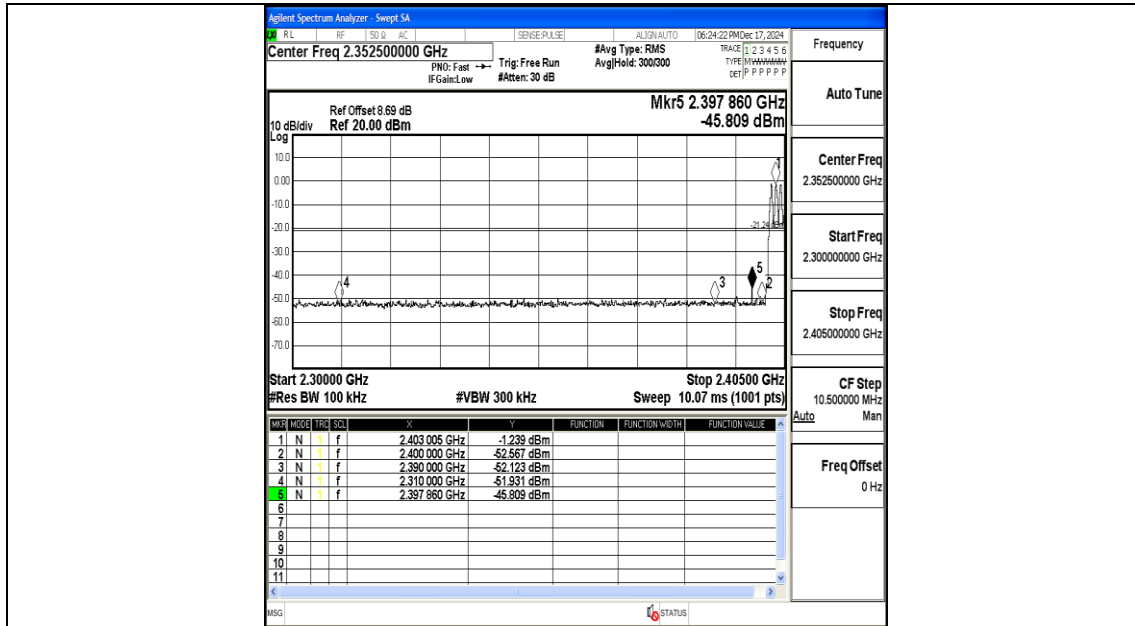
## Appendix G: Band edge measurements

### Test Result

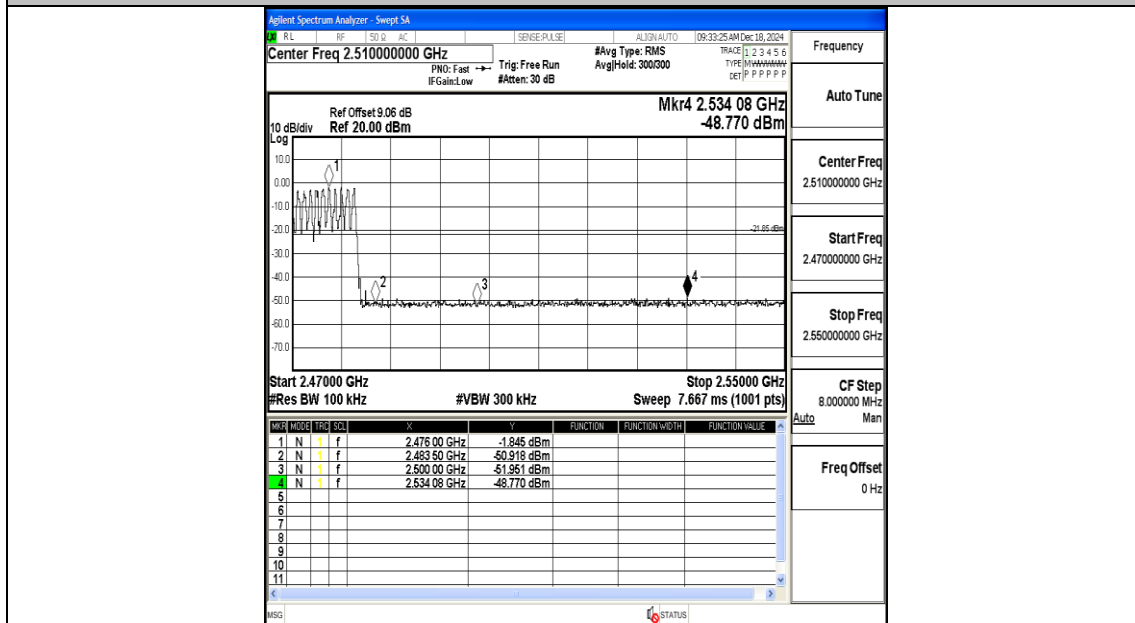
| Test Mode | Antenna | Ch.Name | Frequency [MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm]   | Verdict |
|-----------|---------|---------|-----------------|----------------|--------------|---------------|---------|
| DH5       | Ant1    | Low     | 2402            | -0.59          | -43.89       | $\leq -20.59$ | PASS    |
| DH5       | Ant1    | High    | 2480            | 3.34           | -40.59       | $\leq -16.66$ | PASS    |
| DH5       | Ant1    | Low     | Hop_2402        | -1.24          | -45.81       | $\leq -21.24$ | PASS    |
| DH5       | Ant1    | High    | Hop_2480        | -1.85          | -48.77       | $\leq -21.85$ | PASS    |
| 2DH5      | Ant1    | Low     | 2402            | -0.91          | -41.92       | $\leq -20.91$ | PASS    |
| 2DH5      | Ant1    | High    | 2480            | 1.42           | -40.82       | $\leq -18.58$ | PASS    |
| 2DH5      | Ant1    | Low     | Hop_2402        | -1.38          | -49.36       | $\leq -21.38$ | PASS    |
| 2DH5      | Ant1    | High    | Hop_2480        | 0.78           | -48.18       | $\leq -19.22$ | PASS    |
| 3DH5      | Ant1    | Low     | 2402            | -1.28          | -39.51       | $\leq -21.28$ | PASS    |
| 3DH5      | Ant1    | High    | 2480            | 1.36           | -41.38       | $\leq -18.64$ | PASS    |
| 3DH5      | Ant1    | Low     | Hop_2402        | -3.46          | -41.73       | $\leq -23.46$ | PASS    |
| 3DH5      | Ant1    | High    | Hop_2480        | -0.73          | -37.17       | $\leq -20.73$ | PASS    |

## Test Graphs

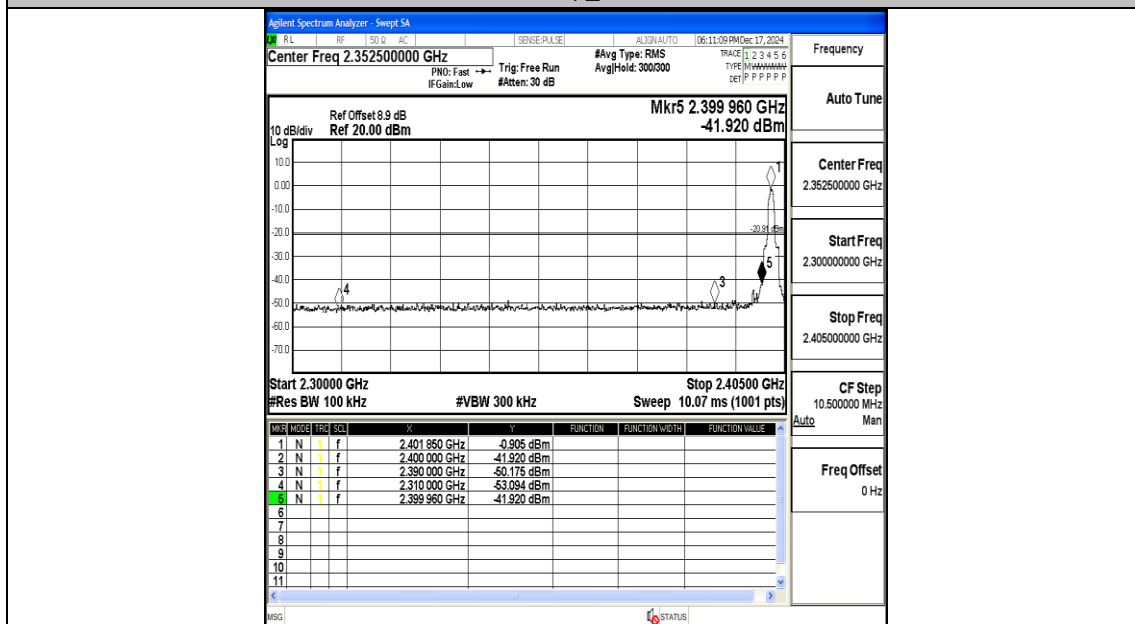




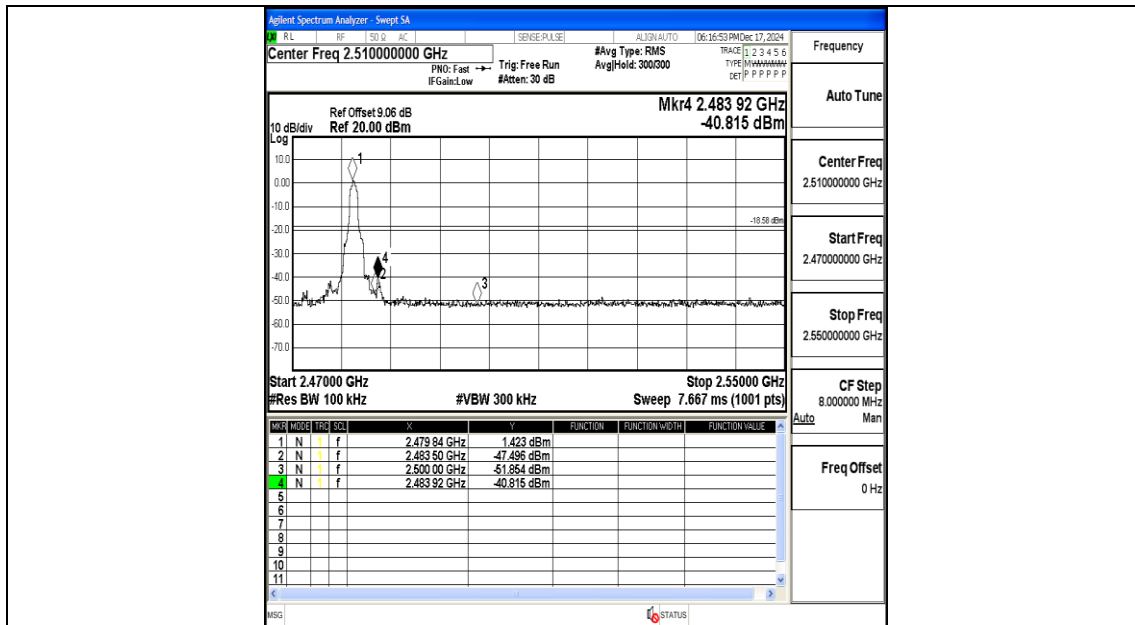
## DH5-Ant1-Hop\_2402-PASS



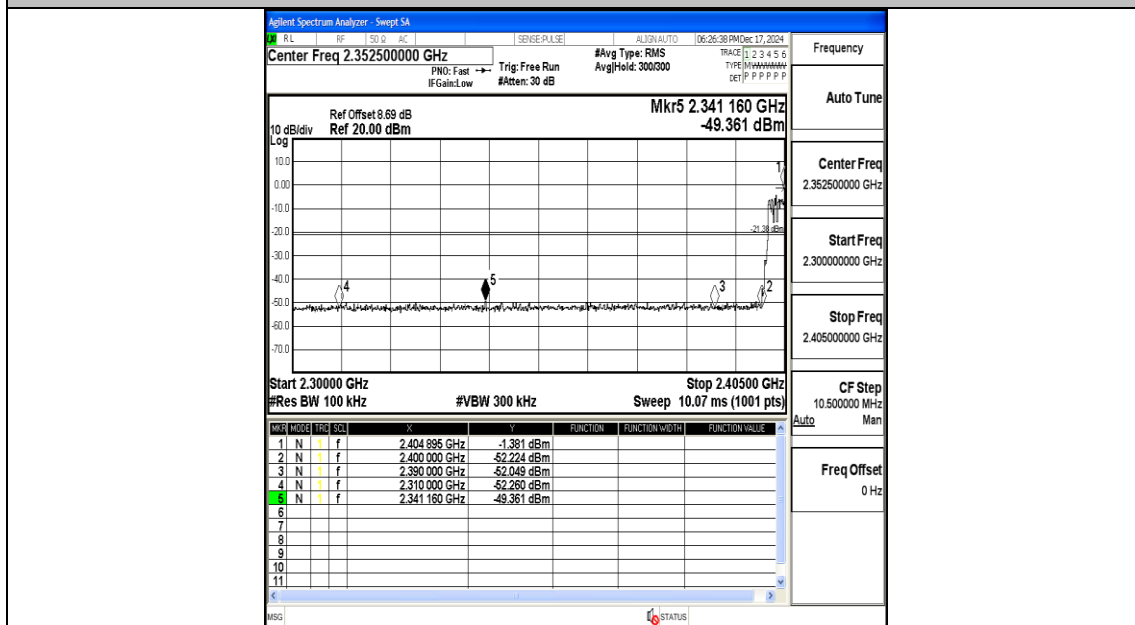
## DH5-Ant1-Hop\_2480-PASS



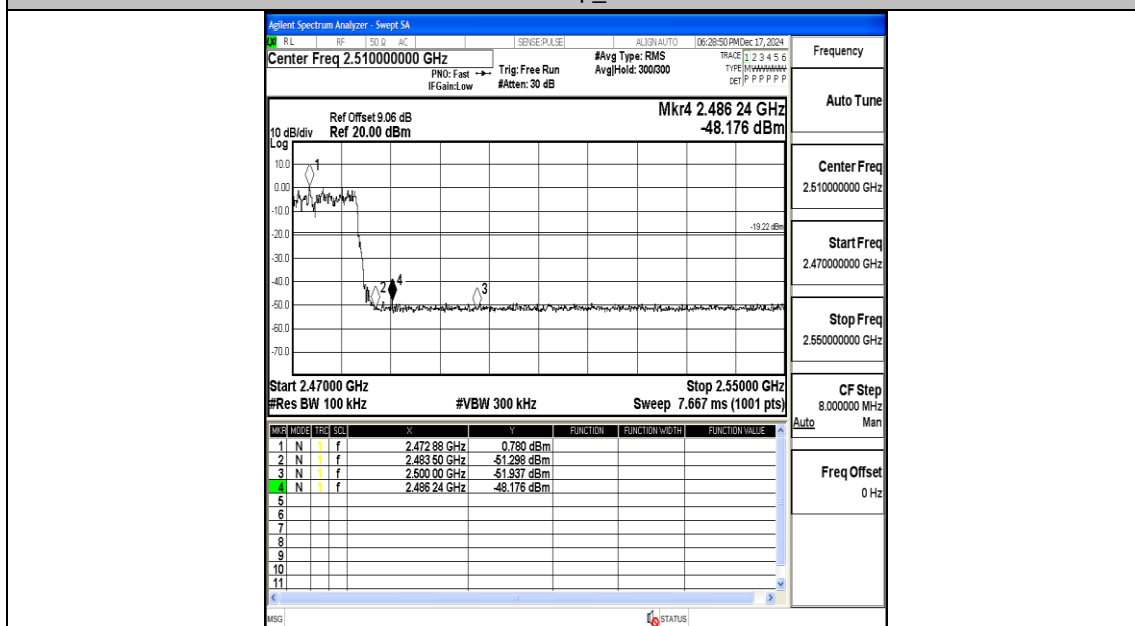
## 2DH5-Ant1-2402-PASS



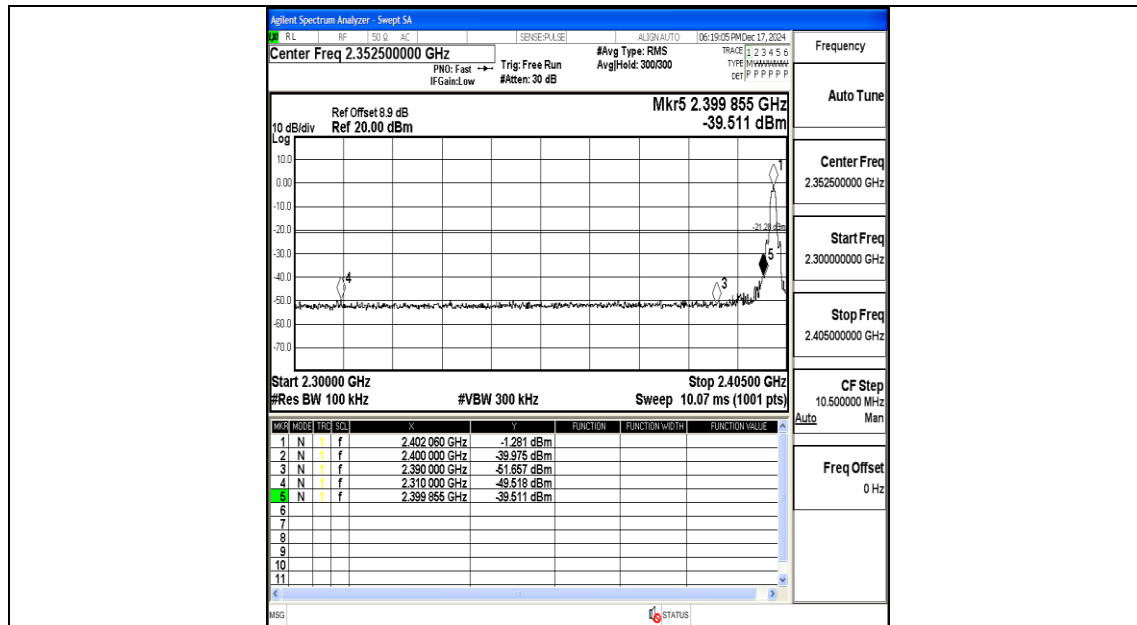
## 2DH5-Ant1-2480-PASS



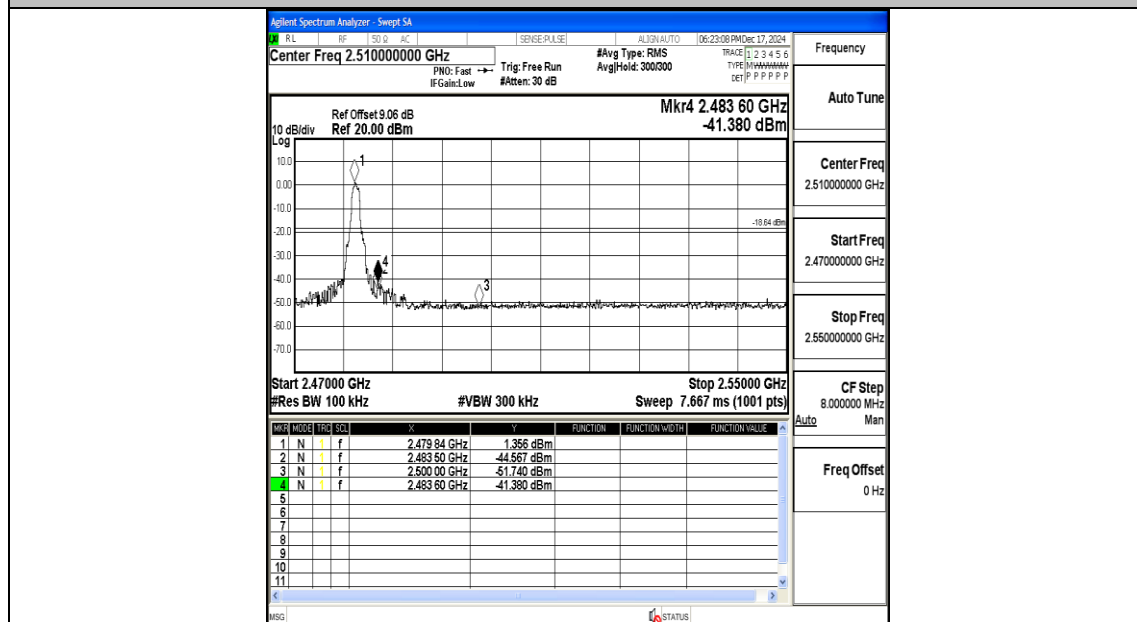
## 2DH5-Ant1-Hop\_2402-PASS



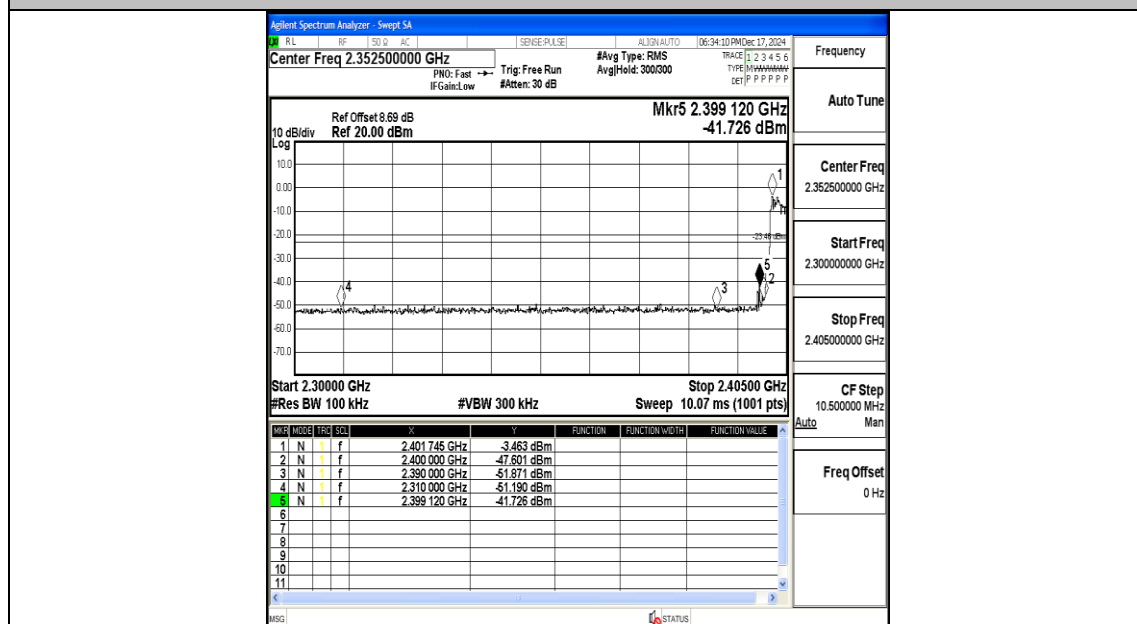
## 2DH5-Ant1-Hop\_2480-PASS



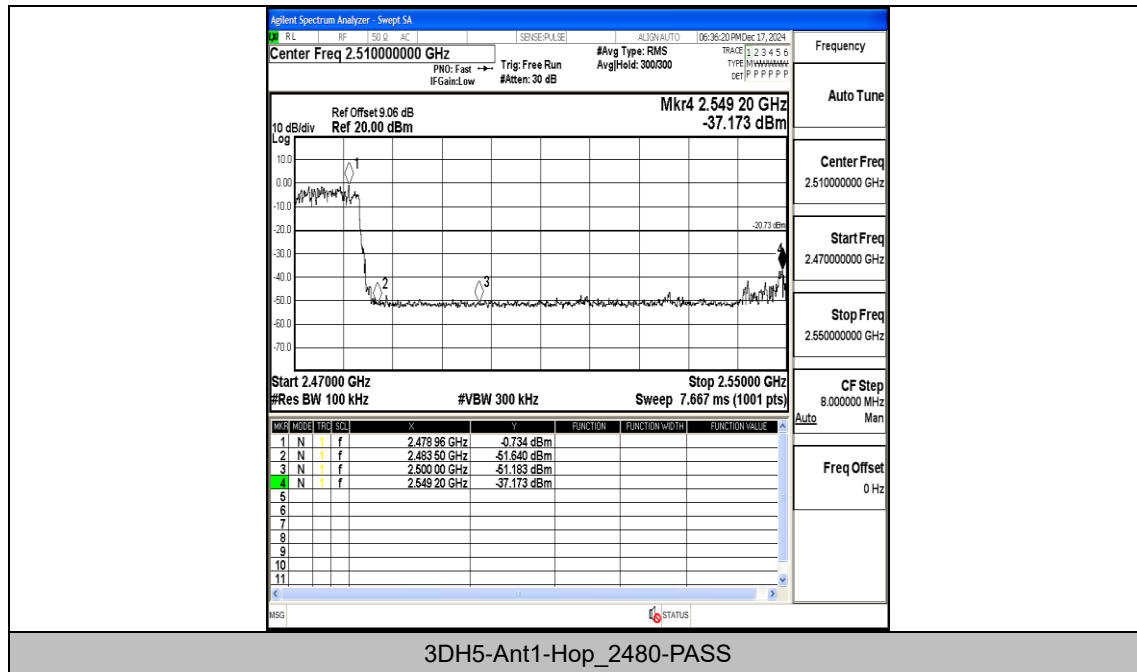
## 3DH5-Ant1-2402-PASS



## 3DH5-Ant1-2480-PASS



## 3DH5-Ant1-Hop\_2402-PASS

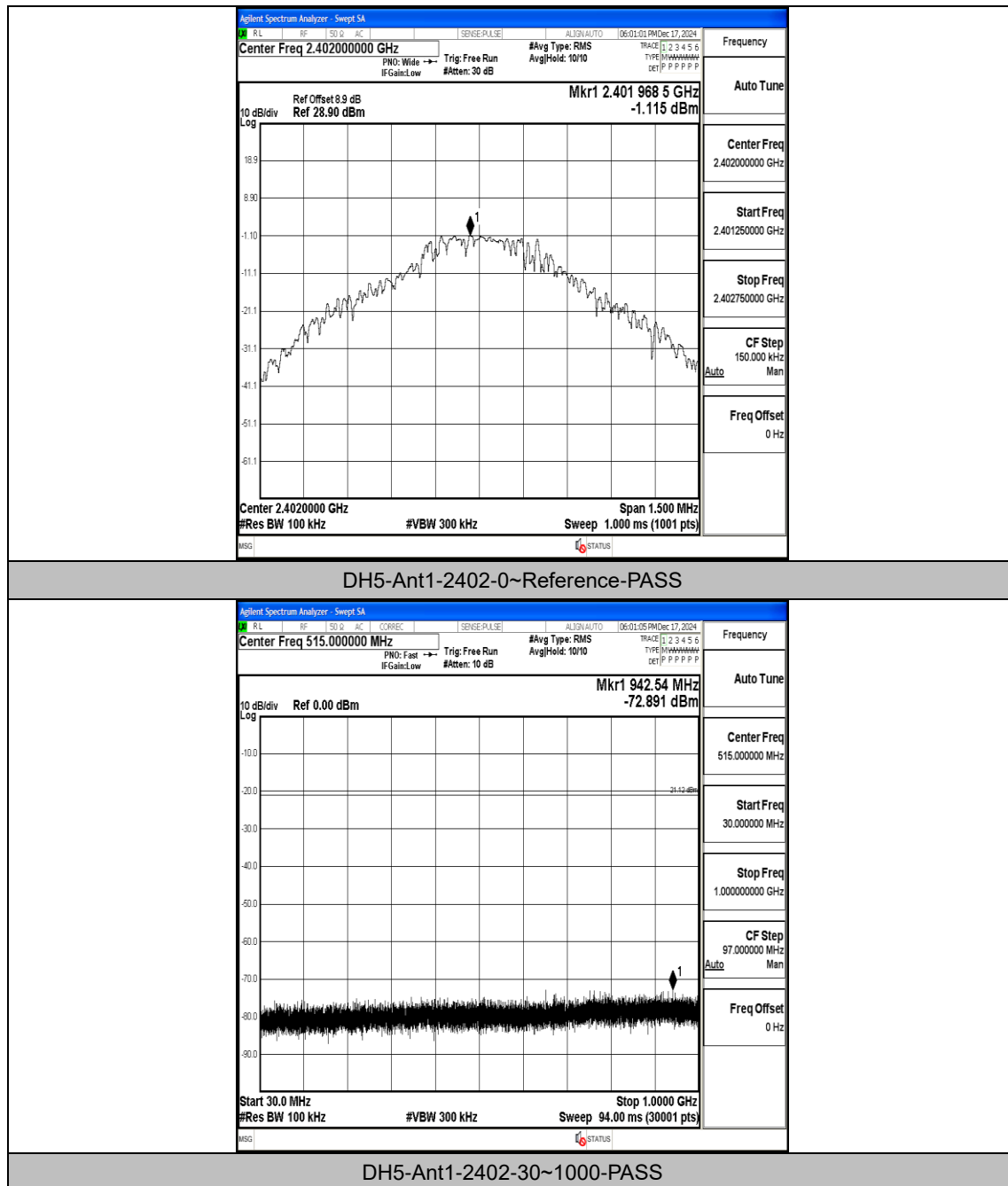


## Appendix H: Conducted Spurious Emission

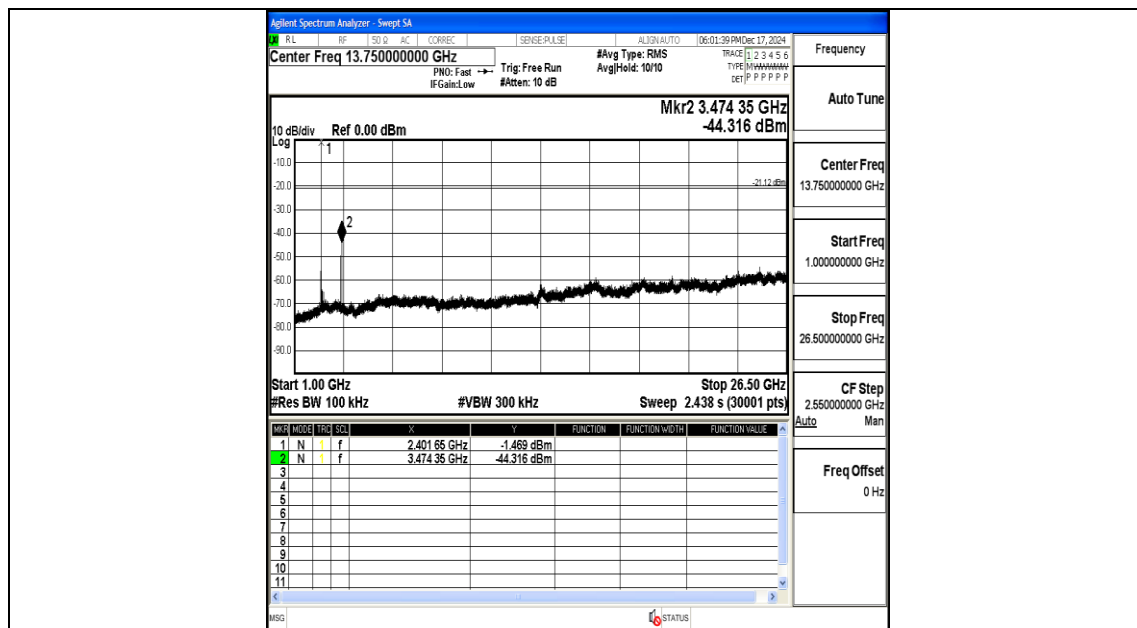
### Test Result

| Test Mode | Antenna | Frequency [MHz] | Freq. Range [MHz] | Ref. Level [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|-----------------|-------------------|------------------|--------------|-------------|---------|
| DH5       | Ant1    | 2402            | 0~Reference       | -1.12            | -1.12        | ---         | PASS    |
| DH5       | Ant1    | 2402            | 30~1000           | -1.12            | -72.89       | ≤-21.12     | PASS    |
| DH5       | Ant1    | 2402            | 1000~26500        | -1.12            | -44.32       | ≤-21.12     | PASS    |
| DH5       | Ant1    | 2441            | 0~Reference       | 1.21             | 1.21         | ---         | PASS    |
| DH5       | Ant1    | 2441            | 30~1000           | 1.21             | -72.9        | ≤-18.79     | PASS    |
| DH5       | Ant1    | 2441            | 1000~26500        | 1.21             | -55.8        | ≤-18.79     | PASS    |
| DH5       | Ant1    | 2480            | 0~Reference       | 2.51             | 2.51         | ---         | PASS    |
| DH5       | Ant1    | 2480            | 30~1000           | 2.51             | -72.24       | ≤-17.49     | PASS    |
| DH5       | Ant1    | 2480            | 1000~26500        | 2.51             | -54.98       | ≤-17.49     | PASS    |
| 2DH5      | Ant1    | 2402            | 0~Reference       | -1.56            | -1.56        | ---         | PASS    |
| 2DH5      | Ant1    | 2402            | 30~1000           | -1.56            | -73.15       | ≤-21.56     | PASS    |
| 2DH5      | Ant1    | 2402            | 1000~26500        | -1.56            | -55.39       | ≤-21.56     | PASS    |
| 2DH5      | Ant1    | 2441            | 0~Reference       | -1.63            | -1.63        | ---         | PASS    |
| 2DH5      | Ant1    | 2441            | 30~1000           | -1.63            | -72.27       | ≤-21.63     | PASS    |
| 2DH5      | Ant1    | 2441            | 1000~26500        | -1.63            | -54.71       | ≤-21.63     | PASS    |
| 2DH5      | Ant1    | 2480            | 0~Reference       | 0.29             | 0.29         | ---         | PASS    |
| 2DH5      | Ant1    | 2480            | 30~1000           | 0.29             | -73.09       | ≤-19.71     | PASS    |
| 2DH5      | Ant1    | 2480            | 1000~26500        | 0.29             | -55.53       | ≤-19.71     | PASS    |
| 3DH5      | Ant1    | 2402            | 0~Reference       | -1.64            | -1.64        | ---         | PASS    |
| 3DH5      | Ant1    | 2402            | 30~1000           | -1.64            | -72.51       | ≤-21.64     | PASS    |
| 3DH5      | Ant1    | 2402            | 1000~26500        | -1.64            | -49.65       | ≤-21.64     | PASS    |
| 3DH5      | Ant1    | 2441            | 0~Reference       | 0.52             | 0.52         | ---         | PASS    |
| 3DH5      | Ant1    | 2441            | 30~1000           | 0.52             | -72.16       | ≤-19.48     | PASS    |
| 3DH5      | Ant1    | 2441            | 1000~26500        | 0.52             | -52.92       | ≤-19.48     | PASS    |
| 3DH5      | Ant1    | 2480            | 0~Reference       | 0.34             | 0.34         | ---         | PASS    |
| 3DH5      | Ant1    | 2480            | 30~1000           | 0.34             | -73.29       | ≤-19.66     | PASS    |
| 3DH5      | Ant1    | 2480            | 1000~26500        | 0.34             | -55.77       | ≤-19.66     | PASS    |

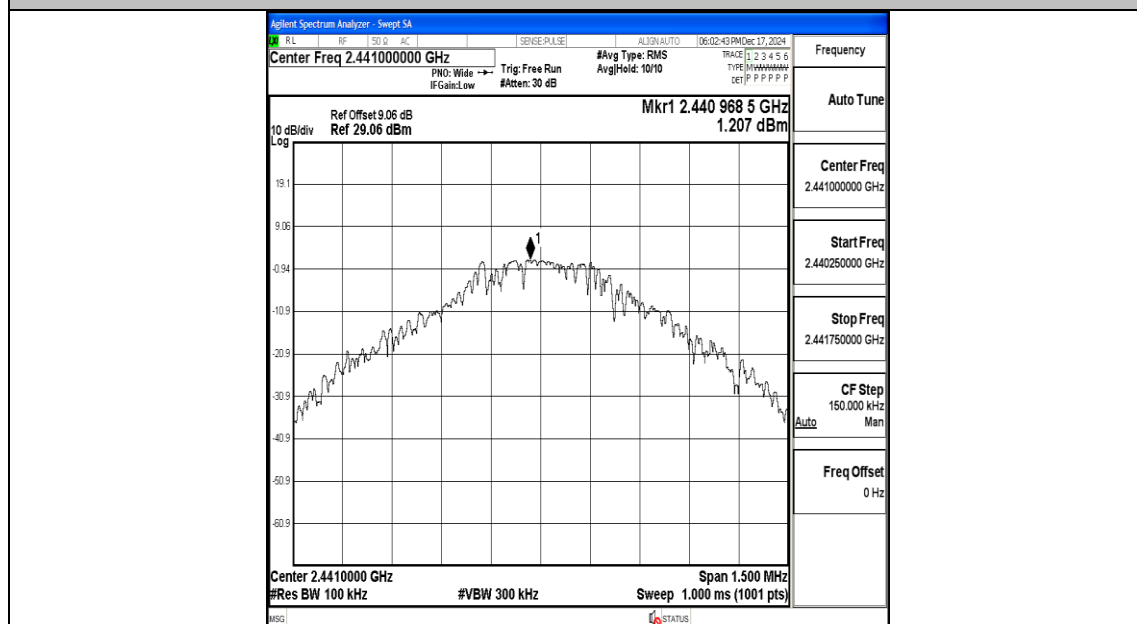
## Test Graphs



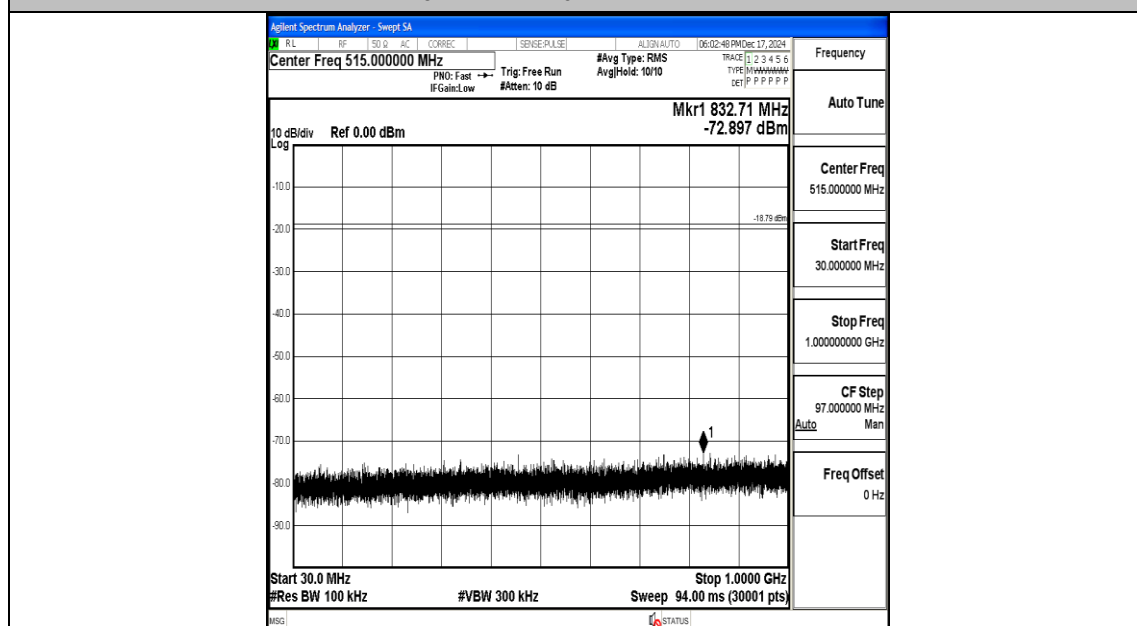




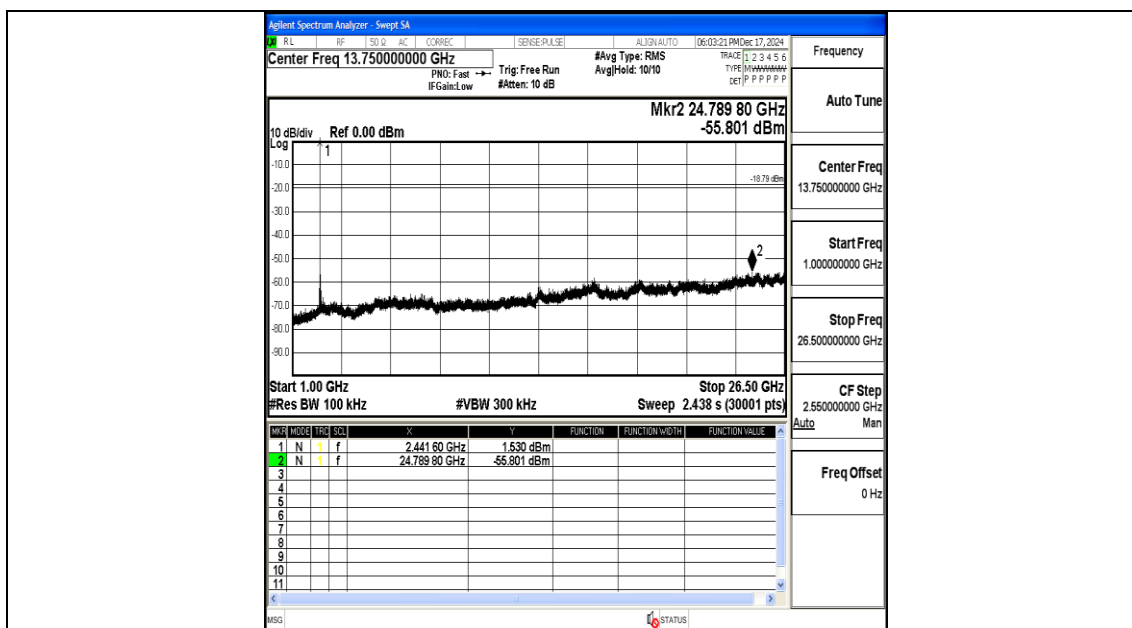
DH5-Ant1-2402-1000~26500-PASS



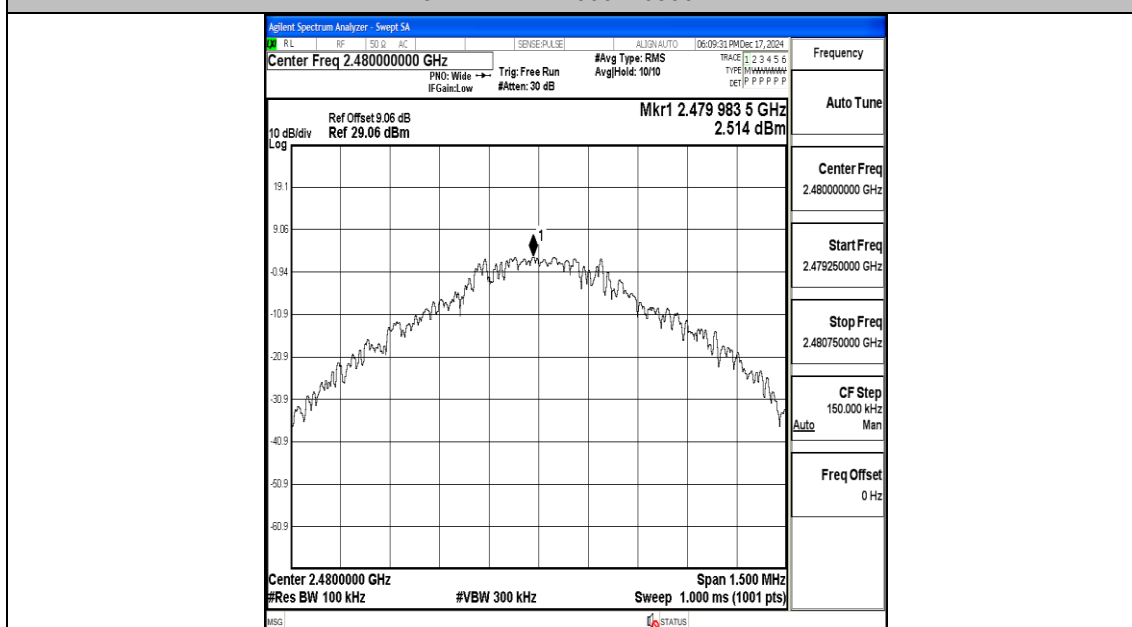
DH5-Ant1-2441-0~Reference-PASS



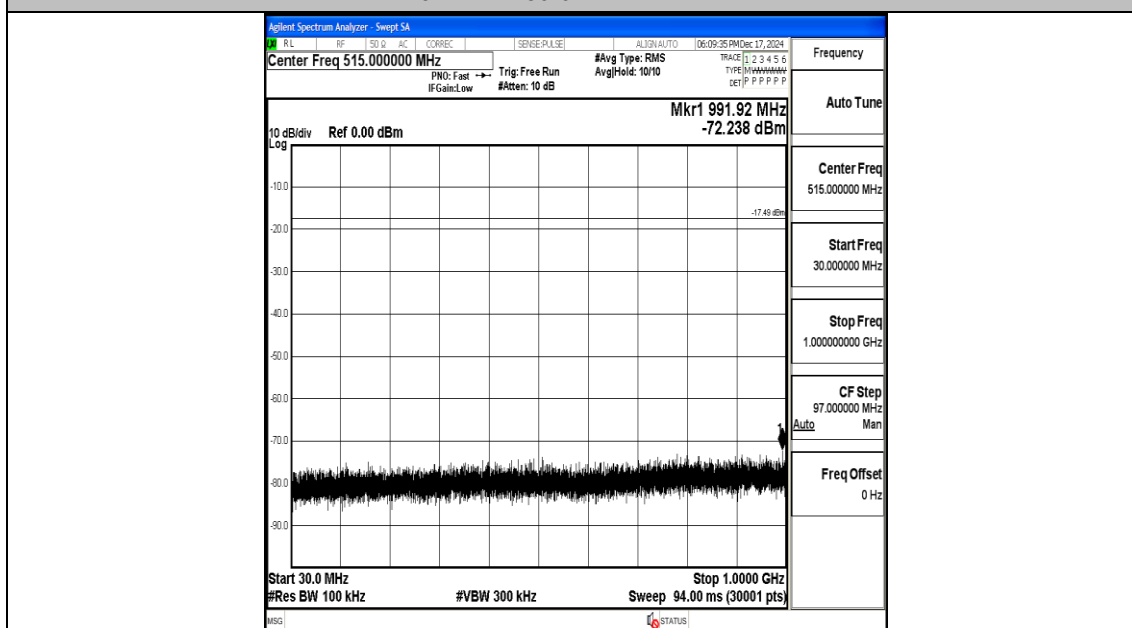
DH5-Ant1-2441-30~1000-PASS



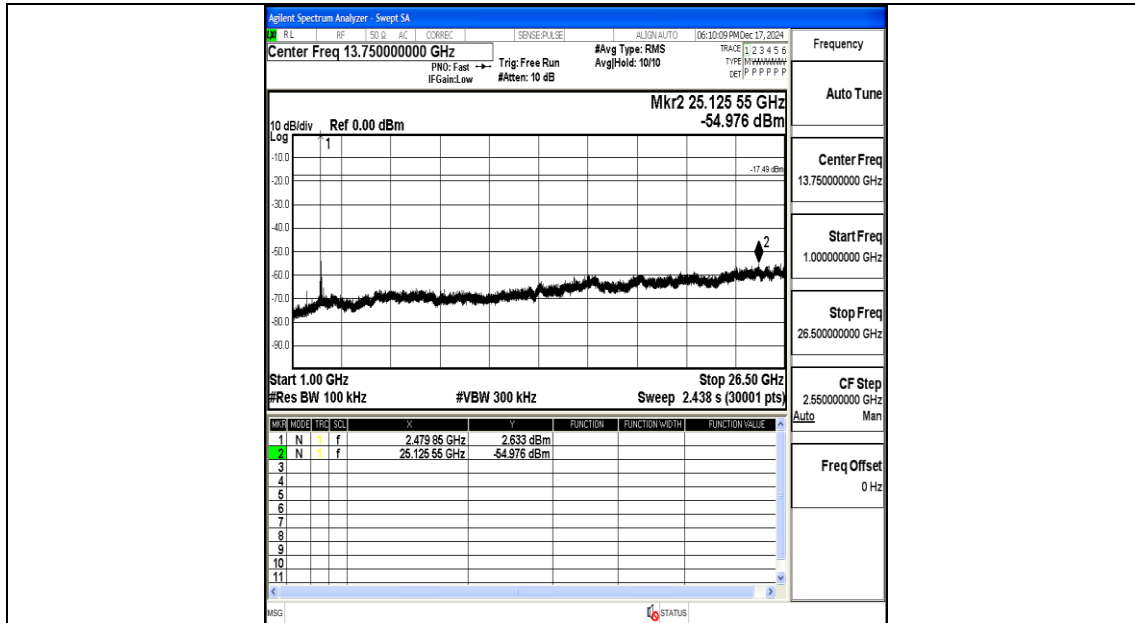
DH5-Ant1-2441-1000~26500-PASS



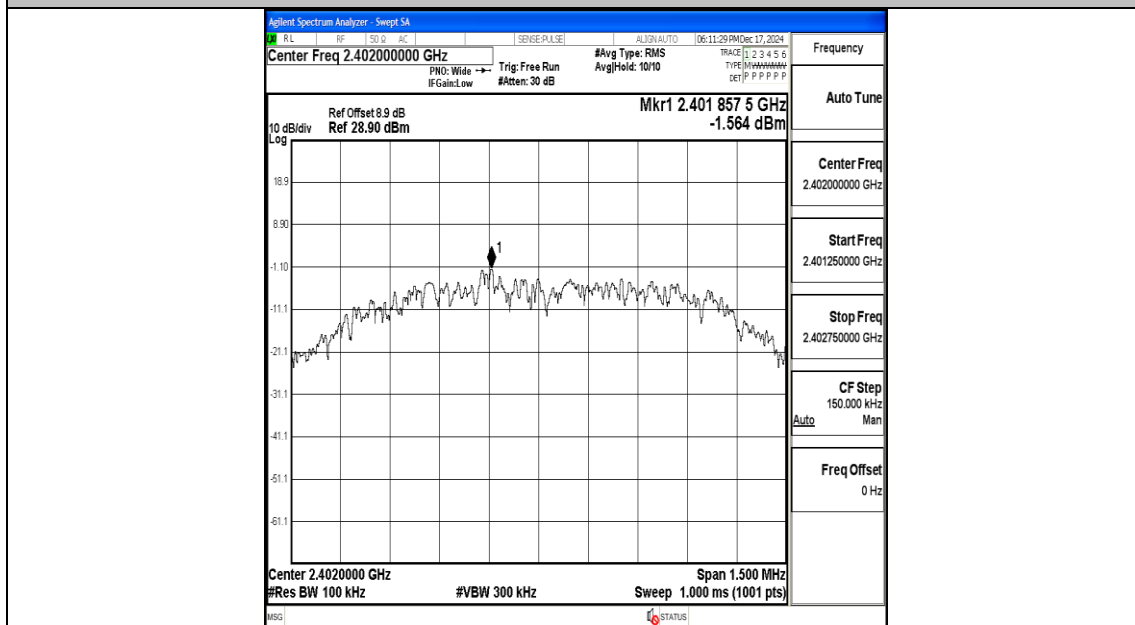
DH5-Ant1-2480-0~Reference-PASS



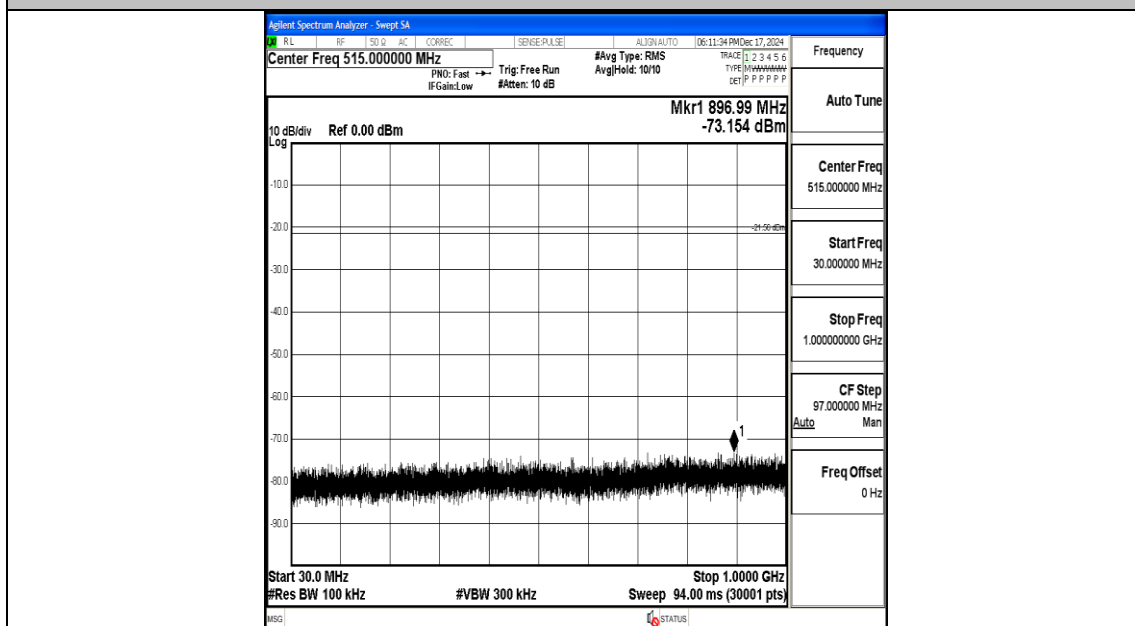
DH5-Ant1-2480-30~1000-PASS



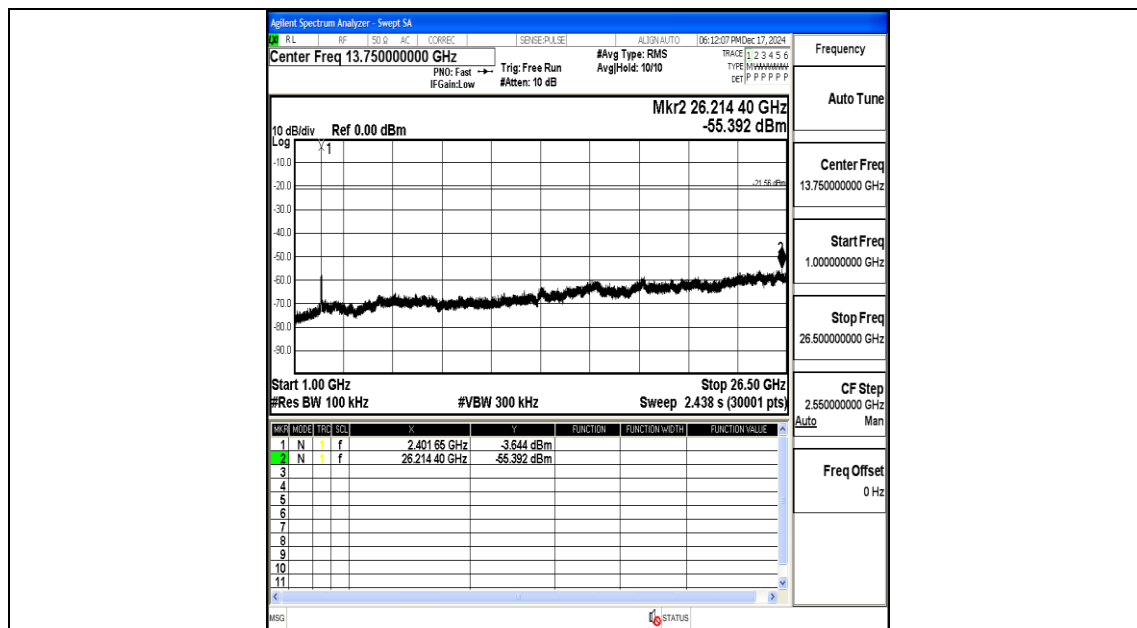
DH5-Ant1-2480-1000~26500-PASS



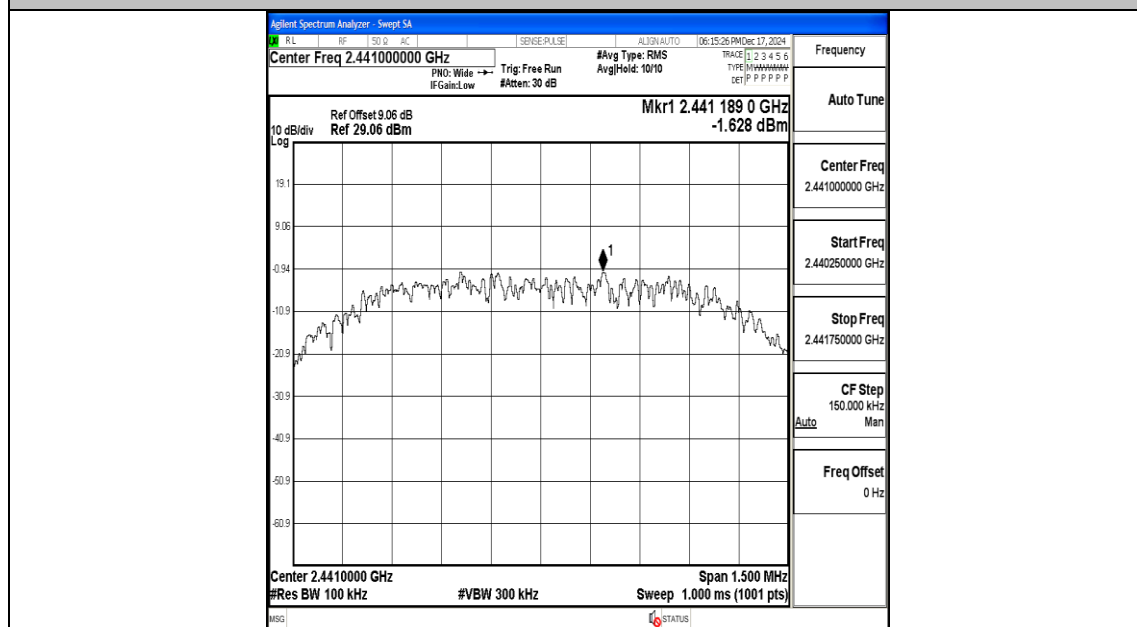
2DH5-Ant1-2402-0~Reference-PASS



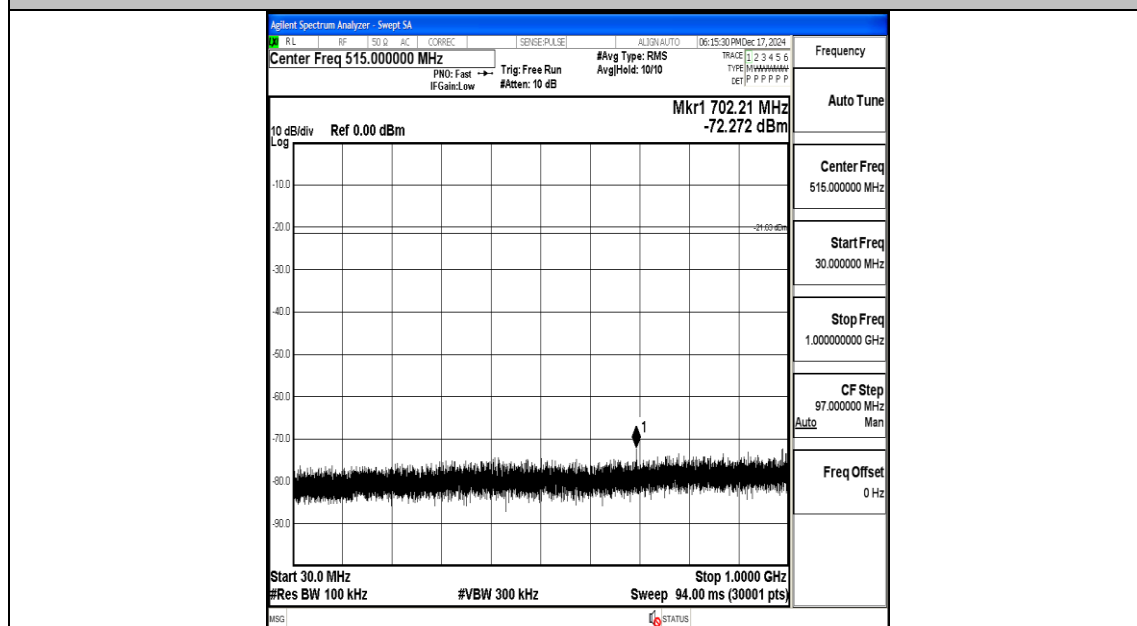
2DH5-Ant1-2402-30~1000-PASS



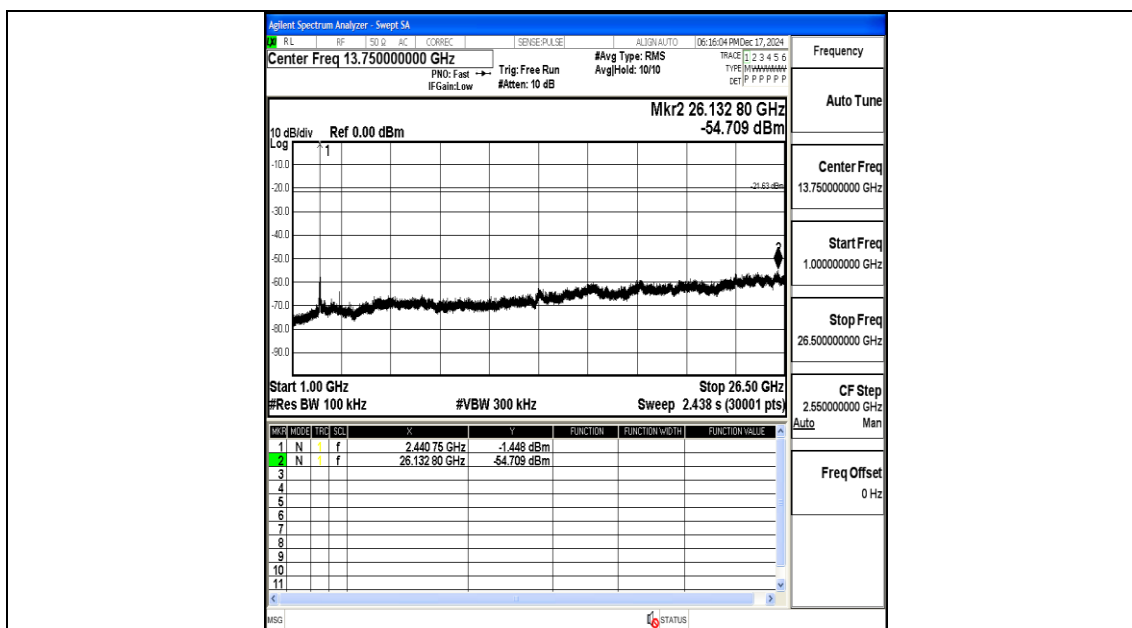
2DH5-Ant1-2402-1000~26500-PASS



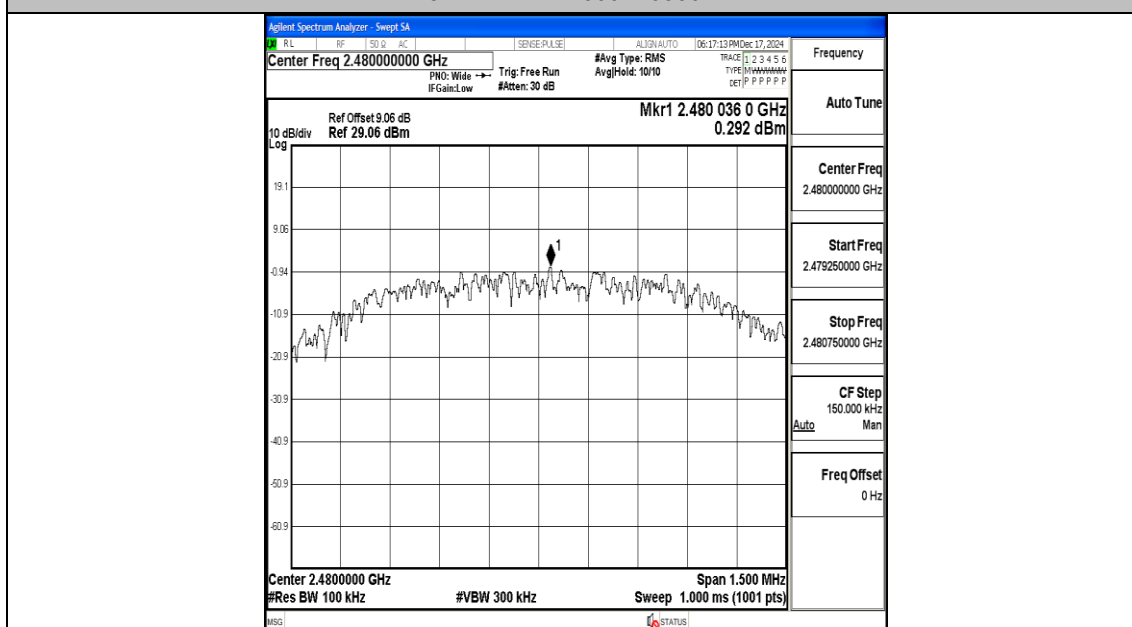
2DH5-Ant1-2441-0~Reference-PASS



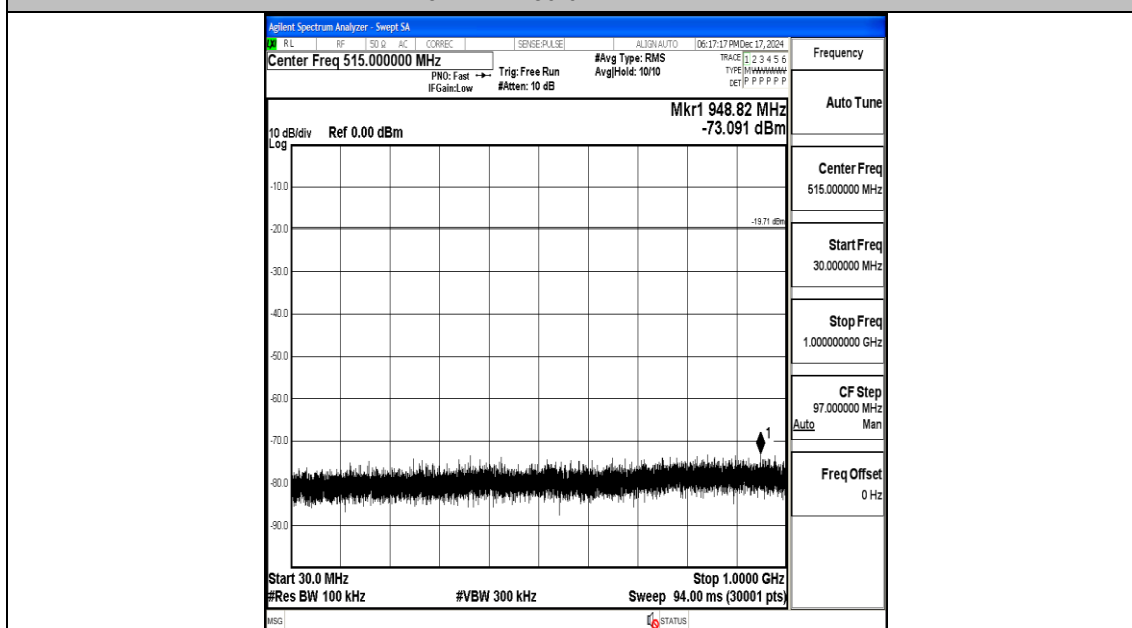
2DH5-Ant1-2441-30~1000-PASS



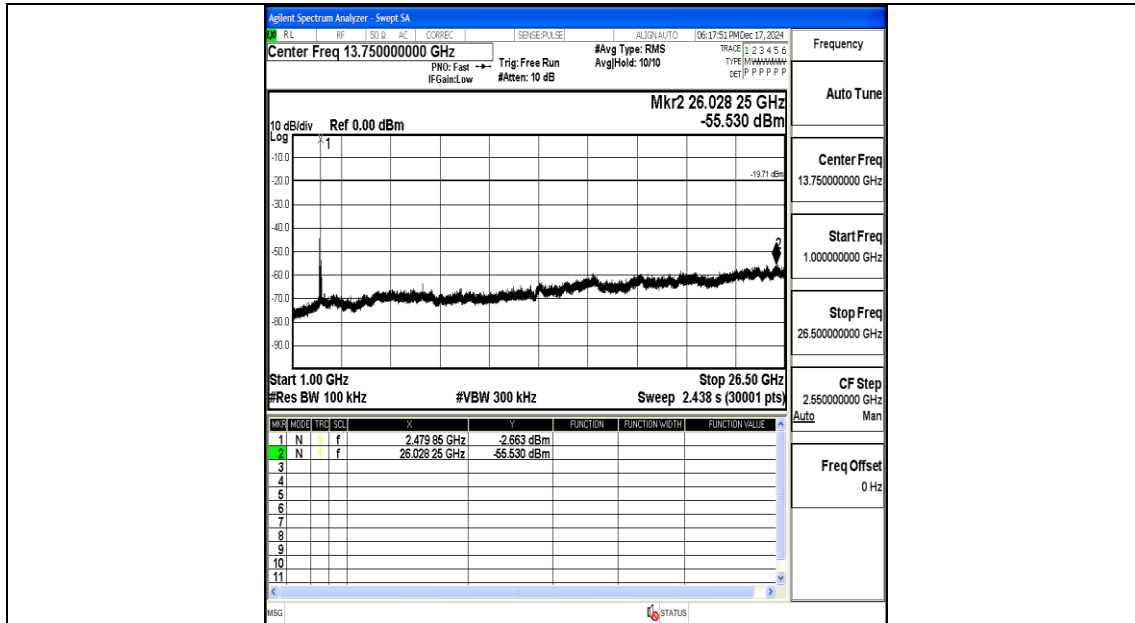
## 2DH5-Ant1-2441-1000~26500-PASS



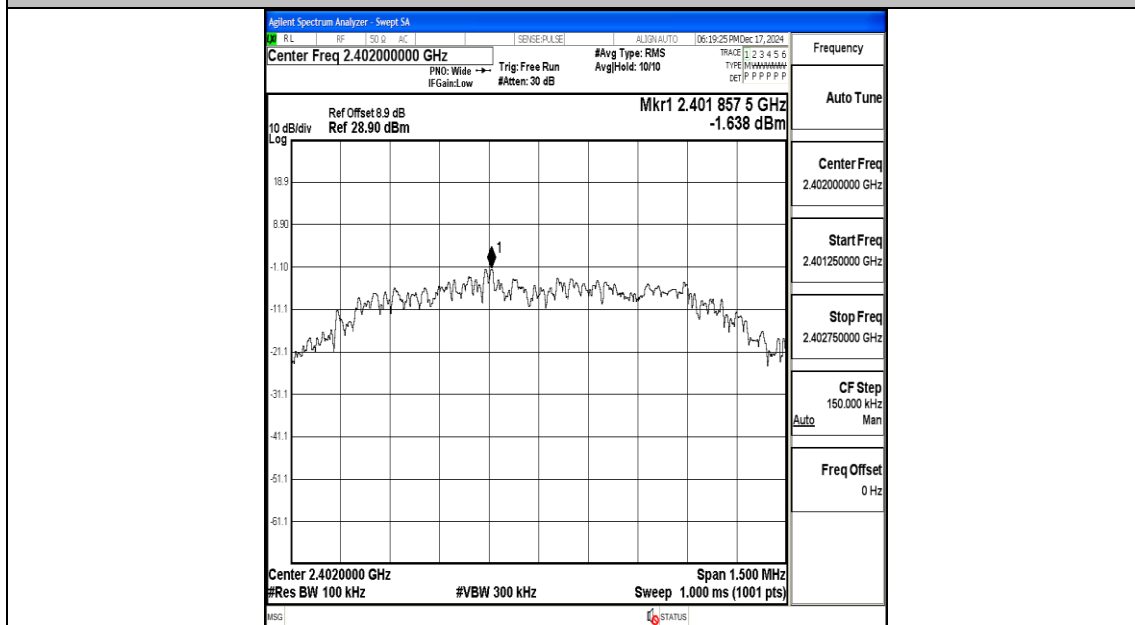
## 2DH5-Ant1-2480-0~Reference-PASS



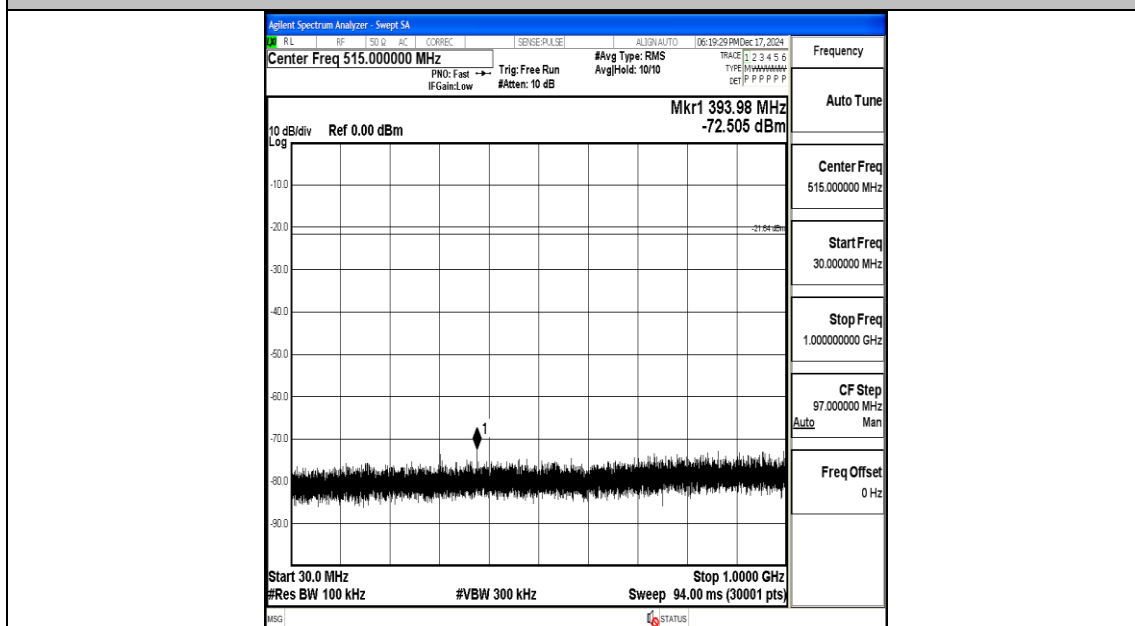
## 2DH5-Ant1-2480-30~1000-PASS



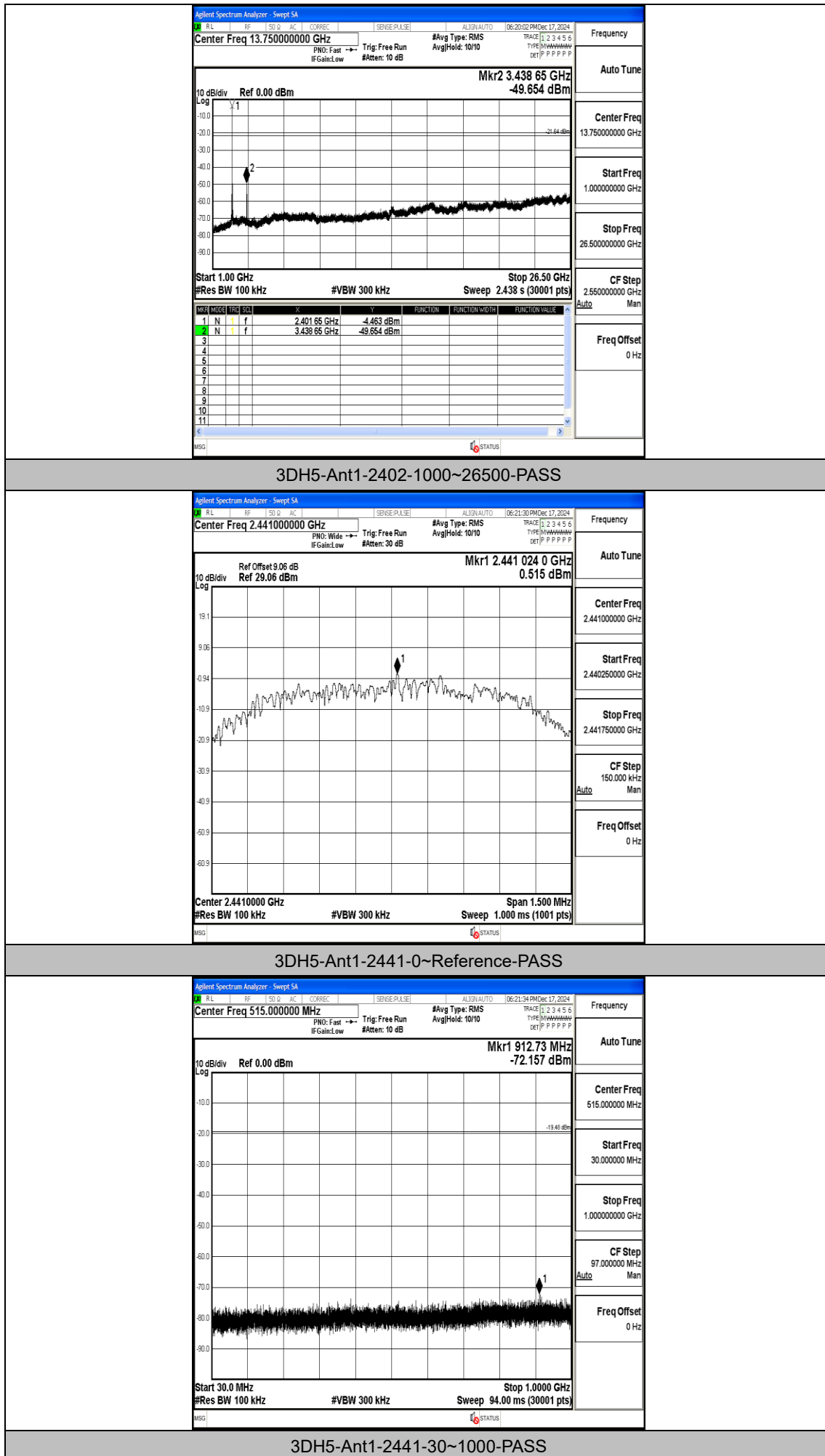
## 2DH5-Ant1-2480-1000~26500-PASS

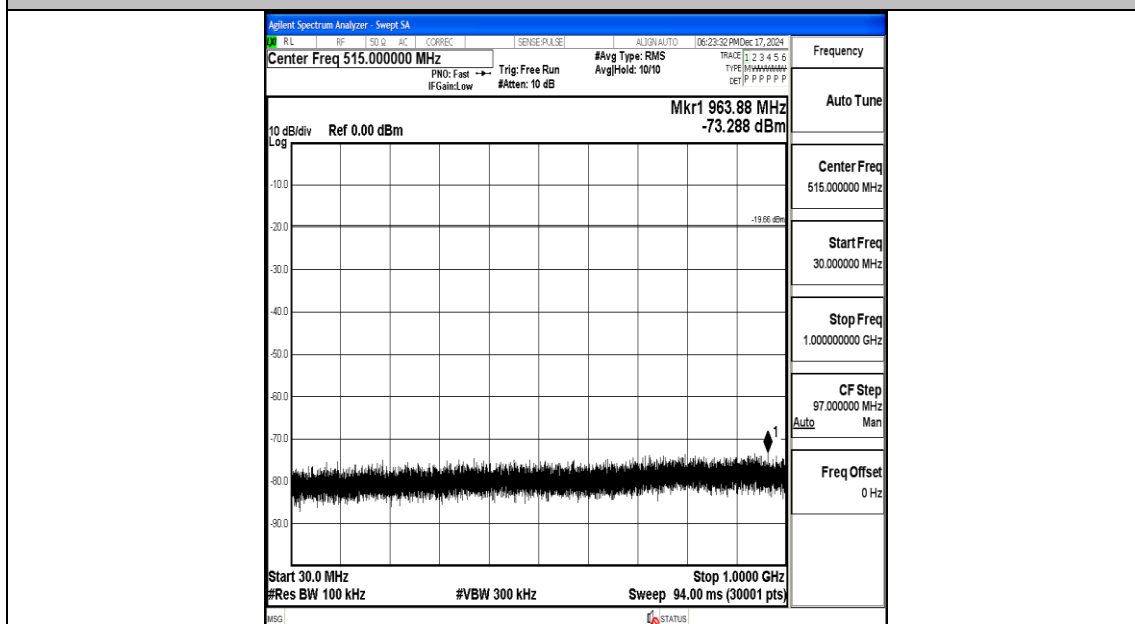
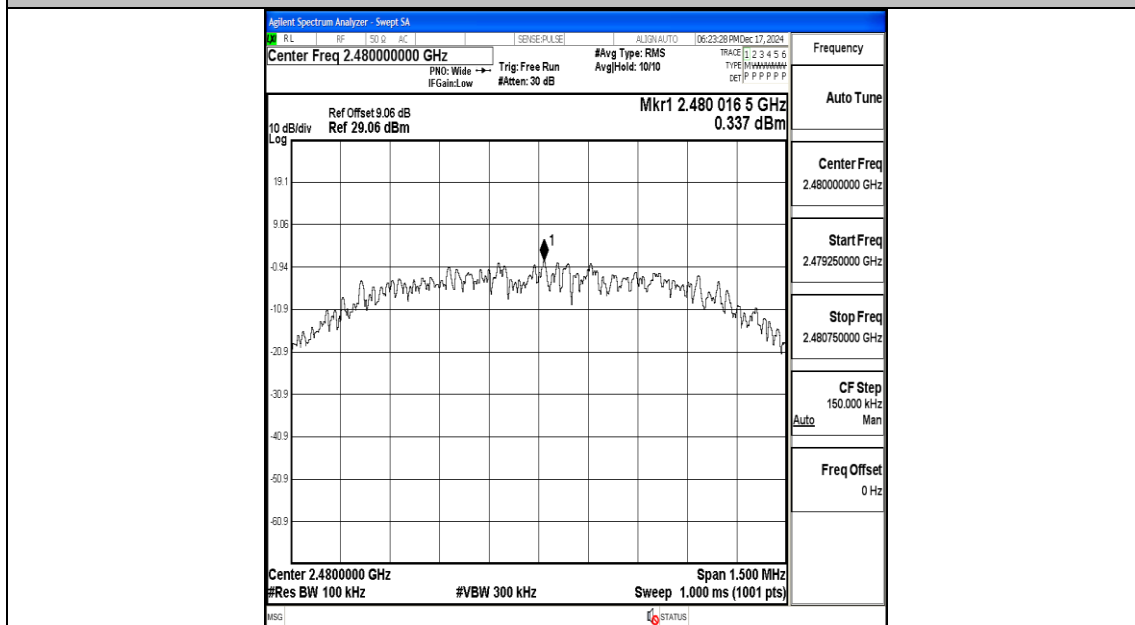
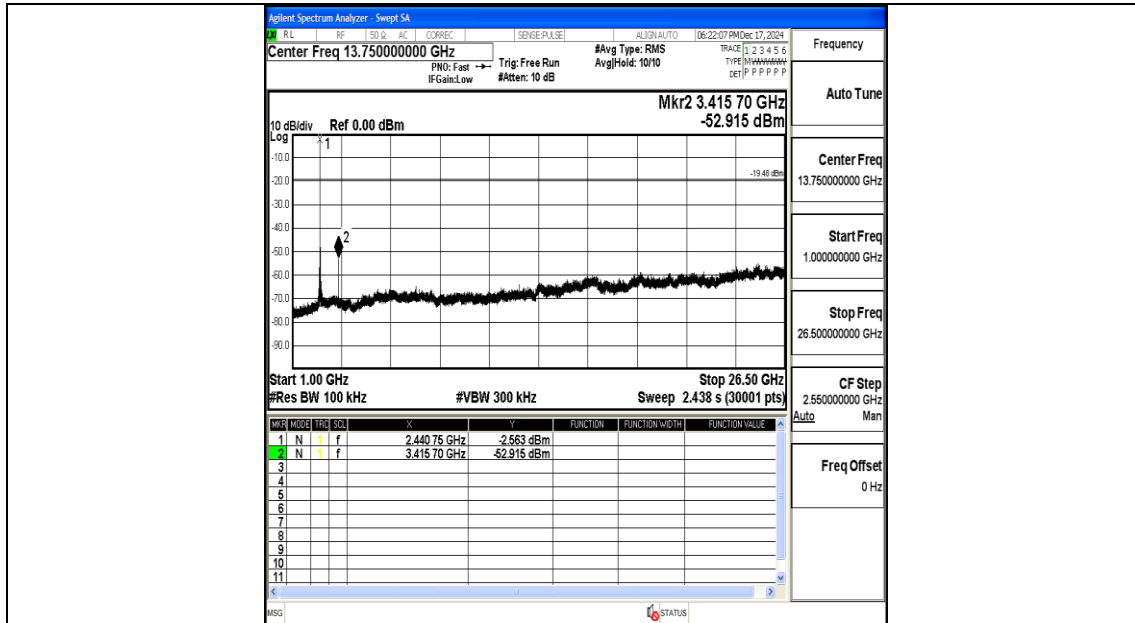


## 3DH5-Ant1-2402-0~Reference-PASS

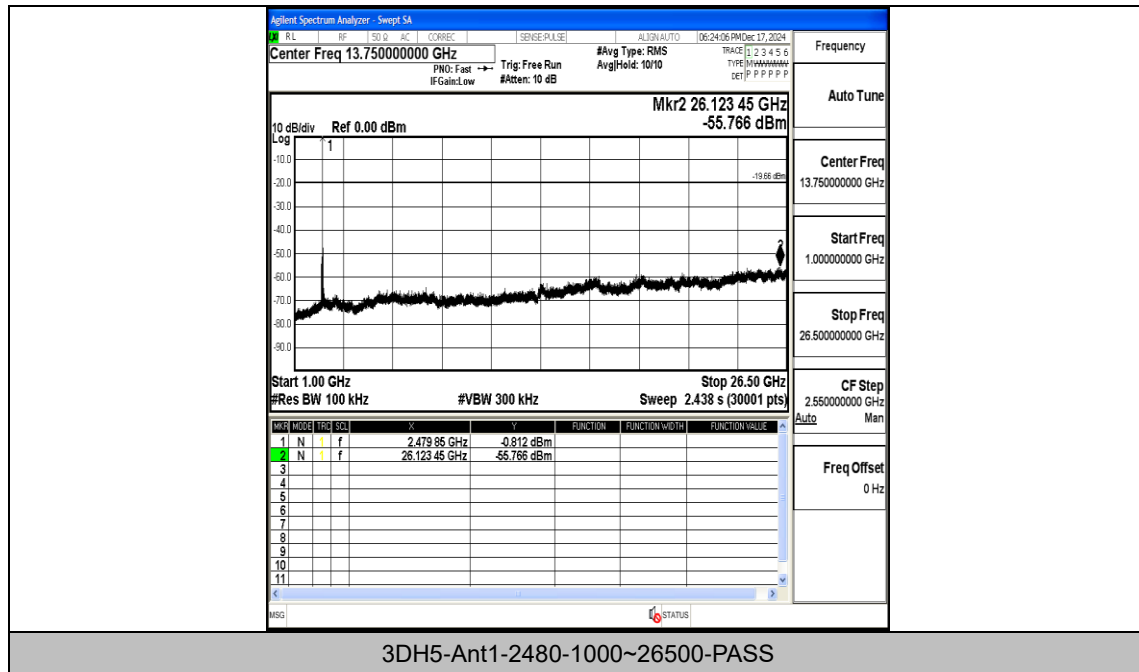


## 3DH5-Ant1-2402-30~1000-PASS







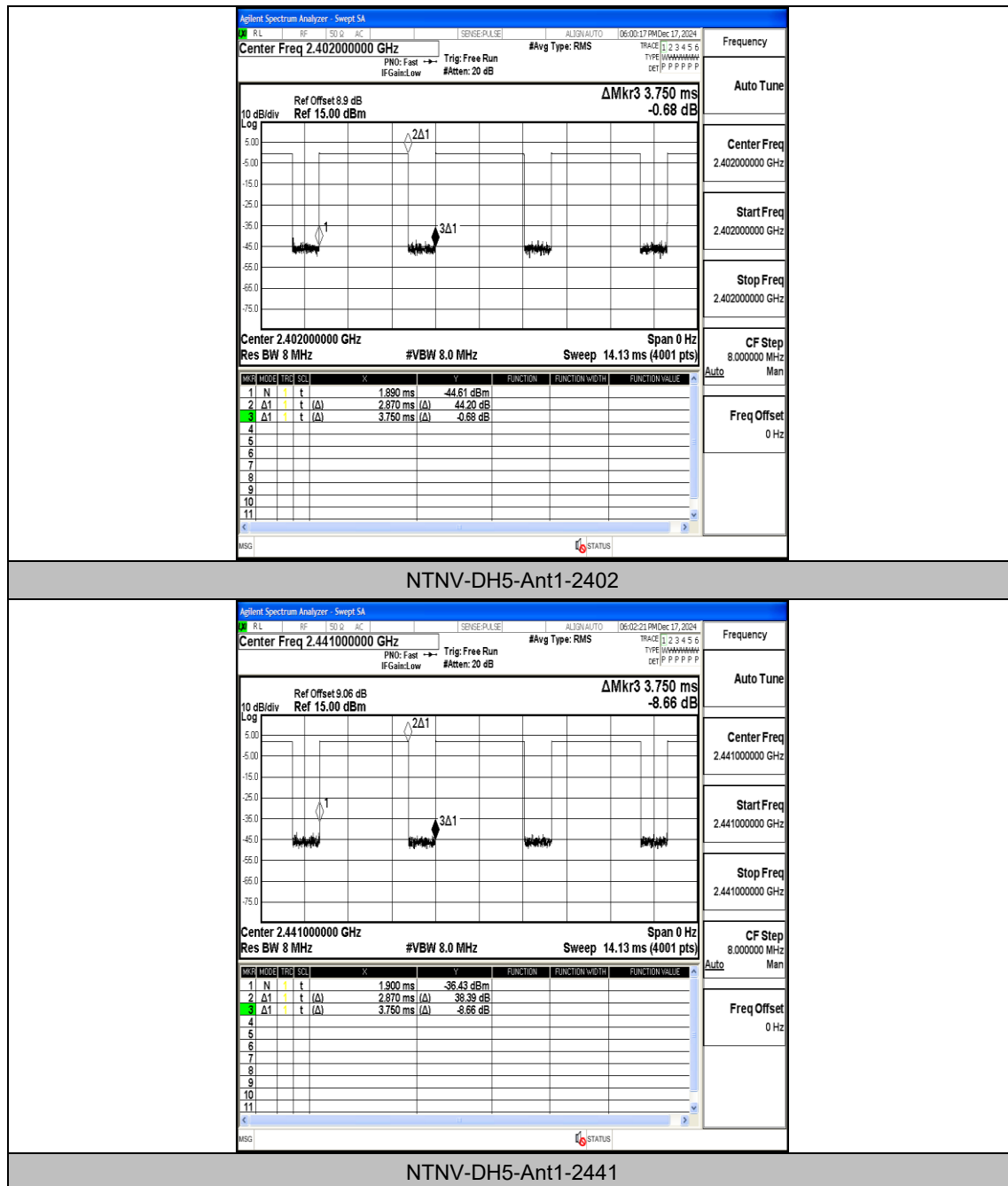


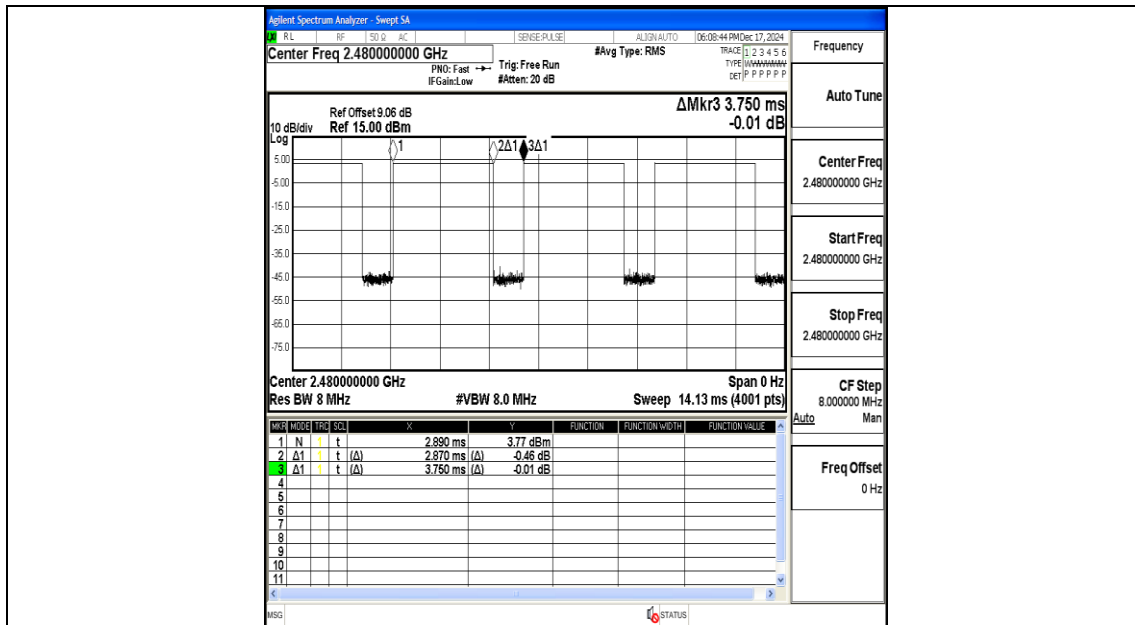
## Appendix I: Duty Cycle

### Test Result

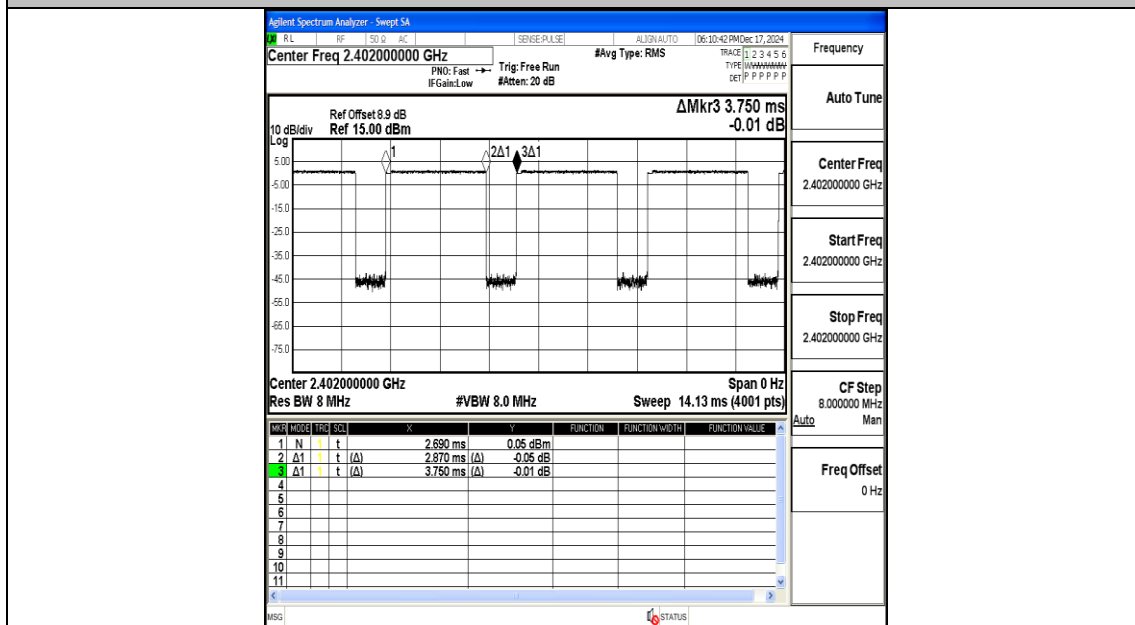
| Test Mode | Antenna | Frequency [MHz] | ON Time [ms] | Period [ms] | Duty Cycle [%] | Duty Cycle Factor [dB] |
|-----------|---------|-----------------|--------------|-------------|----------------|------------------------|
| DH5       | Ant1    | 2402            | 2.87         | 3.75        | 76.53          | 1.16                   |
| DH5       | Ant1    | 2441            | 2.87         | 3.75        | 76.53          | 1.16                   |
| DH5       | Ant1    | 2480            | 2.87         | 3.75        | 76.53          | 1.16                   |
| 2DH5      | Ant1    | 2402            | 2.87         | 3.75        | 76.53          | 1.16                   |
| 2DH5      | Ant1    | 2441            | 2.88         | 3.75        | 76.80          | 1.15                   |
| 2DH5      | Ant1    | 2480            | 2.88         | 3.75        | 76.80          | 1.15                   |
| 3DH5      | Ant1    | 2402            | 2.88         | 3.75        | 76.80          | 1.15                   |
| 3DH5      | Ant1    | 2441            | 2.87         | 3.75        | 76.53          | 1.16                   |
| 3DH5      | Ant1    | 2480            | 2.87         | 3.74        | 76.74          | 1.15                   |

## Test Graphs

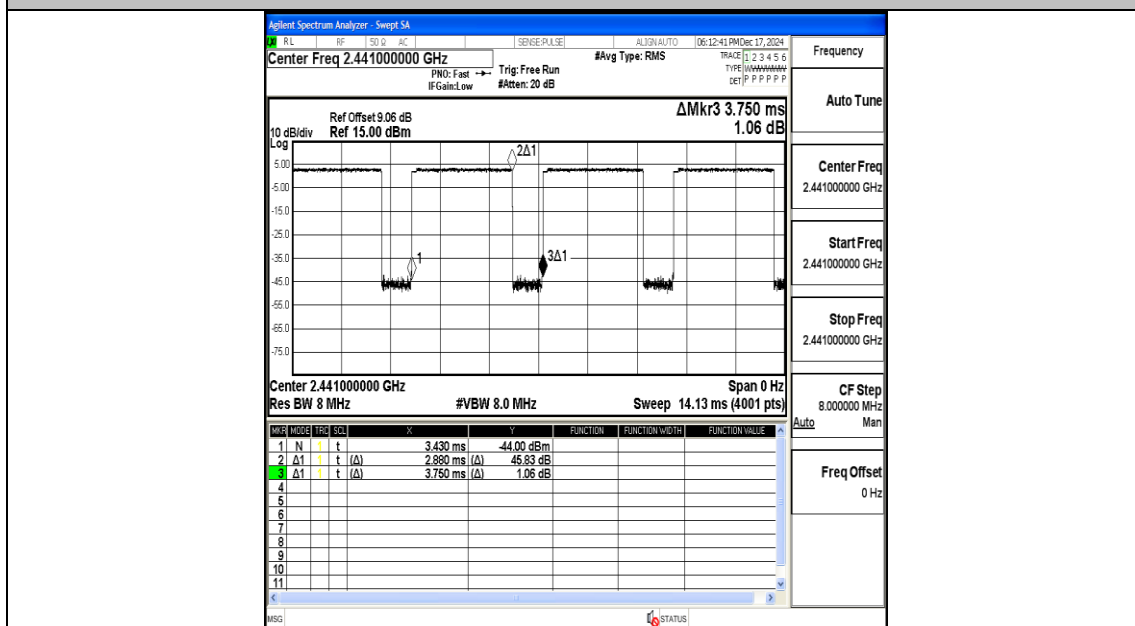




NTNV-DH5-Ant1-2480



NTNV-2DH5-Ant1-2402



NTNV-2DH5-Ant1-2441

