

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

Product Name: Small flip phone

Trade Mark: /

Test Model: i17 Pro

FCC ID: 2BNQC-I17PRO

### Environmental Conditions

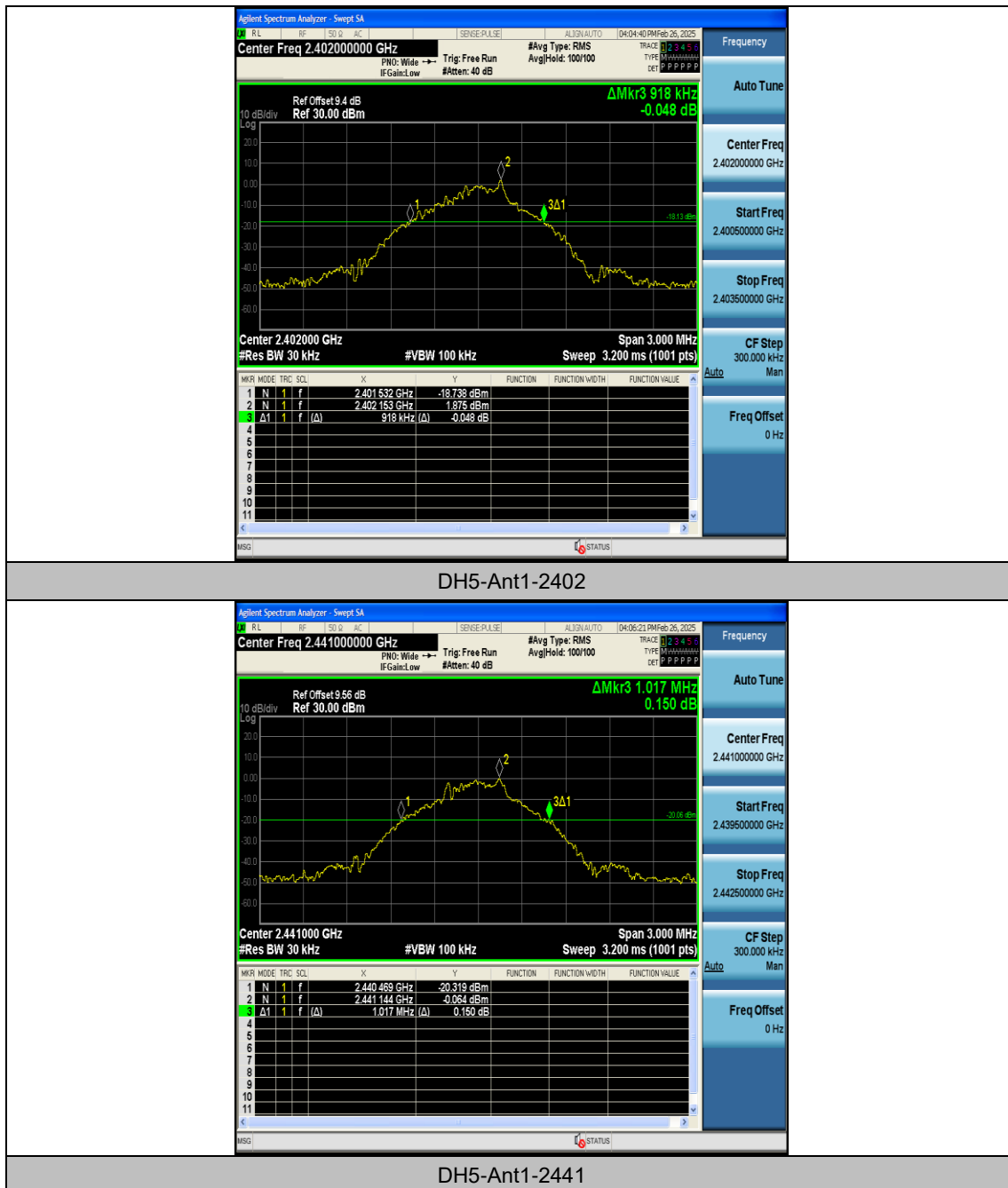
|                    |           |
|--------------------|-----------|
| Temperature:       | 23.5℃     |
| Relative Humidity: | 58%       |
| ATM Pressure:      | 100.0 kPa |
| Test Engineer:     | Allen Lai |
| Supervised by:     | Max Zhang |
| NOTE               | N/A       |

## 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            | 0.918          | 2401.532 | 2402.450 | ---         | ---     |
| DH5       | Ant1    | 2441            | 1.017          | 2440.469 | 2441.486 | ---         | ---     |
| DH5       | Ant1    | 2480            | 1.038          | 2479.460 | 2480.498 | ---         | ---     |
| 2DH5      | Ant1    | 2402            | 1.308          | 2401.349 | 2402.657 | ---         | ---     |
| 2DH5      | Ant1    | 2441            | 1.311          | 2440.346 | 2441.657 | ---         | ---     |
| 2DH5      | Ant1    | 2480            | 1.311          | 2479.328 | 2480.639 | ---         | ---     |
| 3DH5      | Ant1    | 2402            | 1.314          | 2401.325 | 2402.639 | ---         | ---     |
| 3DH5      | Ant1    | 2441            | 1.293          | 2440.331 | 2441.624 | ---         | ---     |
| 3DH5      | Ant1    | 2480            | 1.305          | 2479.319 | 2480.624 | ---         | ---     |

## Test Graphs





DH5-Ant1-2480



2DH5-Ant1-2402



2DH5-Ant1-2441



2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441

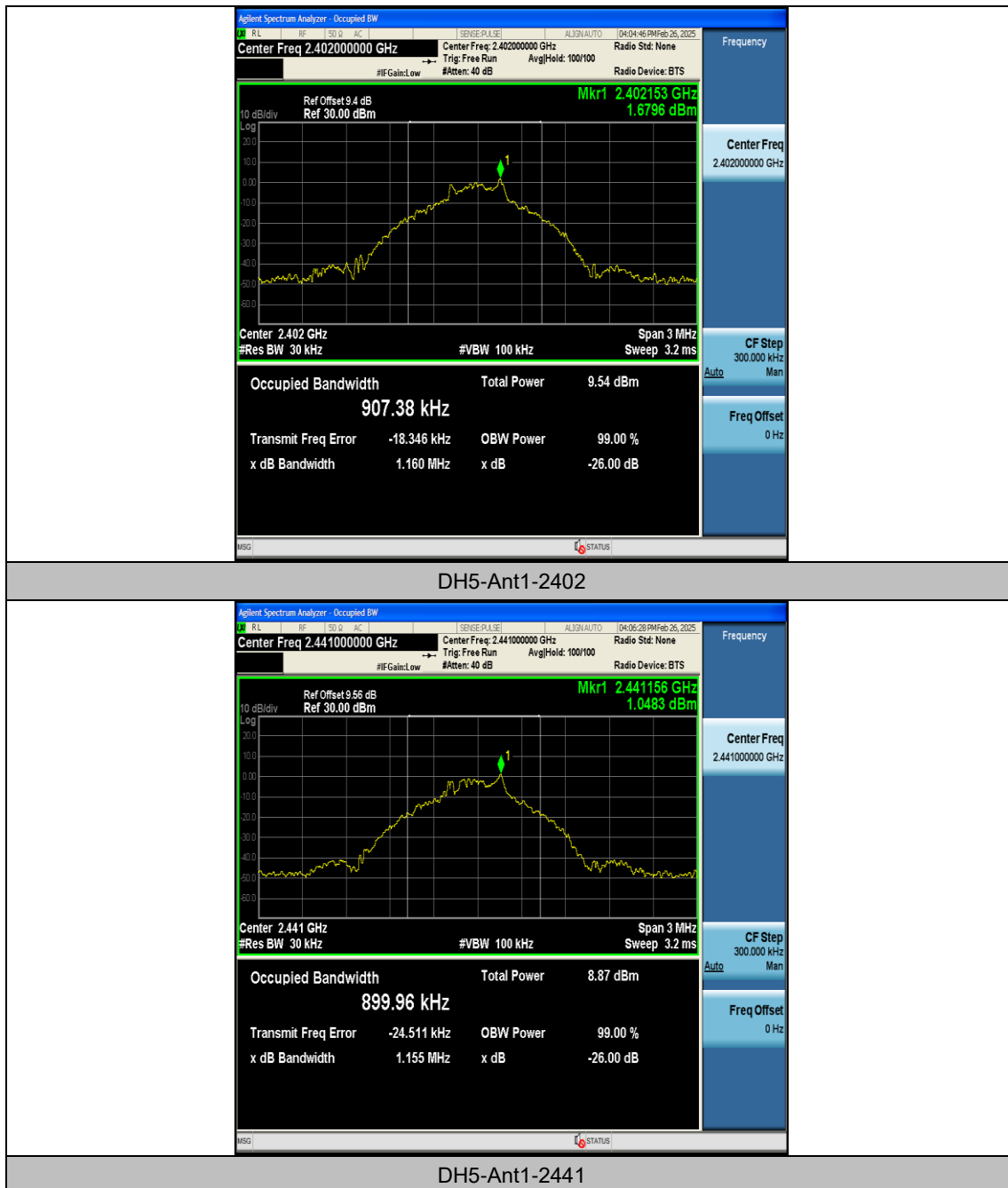


## Appendix B: Occupied Channel Bandwidth

### Test Result

| Test Mode | Antenna | Frequency [MHz] | OCB [MHz] | FL [MHz]  | FH [MHz]  | Limit [MHz] | Verdict |
|-----------|---------|-----------------|-----------|-----------|-----------|-------------|---------|
| DH5       | Ant1    | 2402            | 0.90738   | 2401.5280 | 2402.4353 | ---         | ---     |
| DH5       | Ant1    | 2441            | 0.89996   | 2440.5255 | 2441.4255 | ---         | ---     |
| DH5       | Ant1    | 2480            | 0.90556   | 2479.5194 | 2480.4249 | ---         | ---     |
| 2DH5      | Ant1    | 2402            | 1.1858    | 2401.4069 | 2402.5927 | ---         | ---     |
| 2DH5      | Ant1    | 2441            | 1.1848    | 2440.4003 | 2441.5851 | ---         | ---     |
| 2DH5      | Ant1    | 2480            | 1.2006    | 2479.3880 | 2480.5886 | ---         | ---     |
| 3DH5      | Ant1    | 2402            | 1.2019    | 2401.3938 | 2402.5957 | ---         | ---     |
| 3DH5      | Ant1    | 2441            | 1.2147    | 2440.3810 | 2441.5957 | ---         | ---     |
| 3DH5      | Ant1    | 2480            | 1.1921    | 2479.3939 | 2480.5860 | ---         | ---     |

## Test Graphs





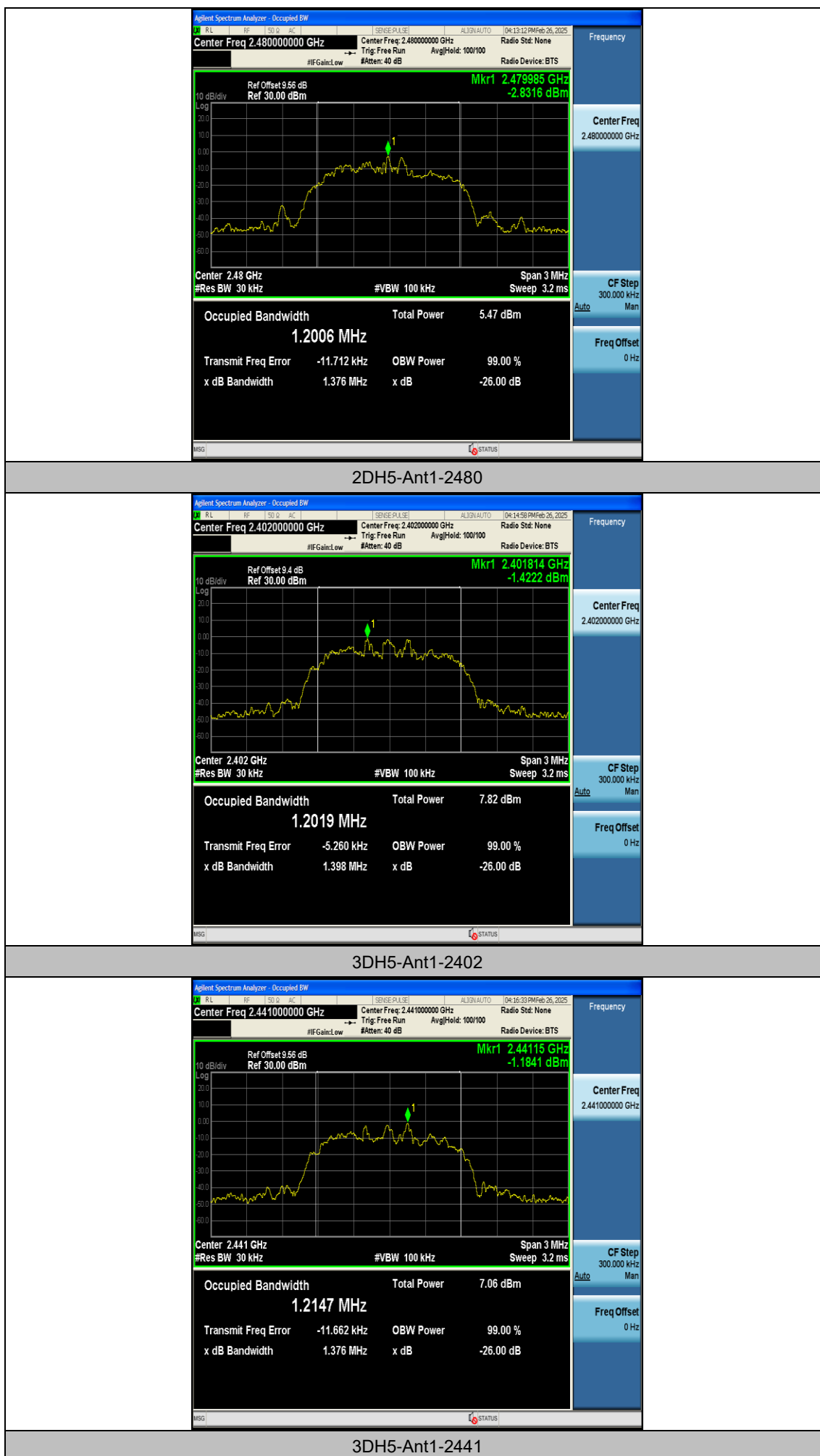
DH5-Ant1-2480

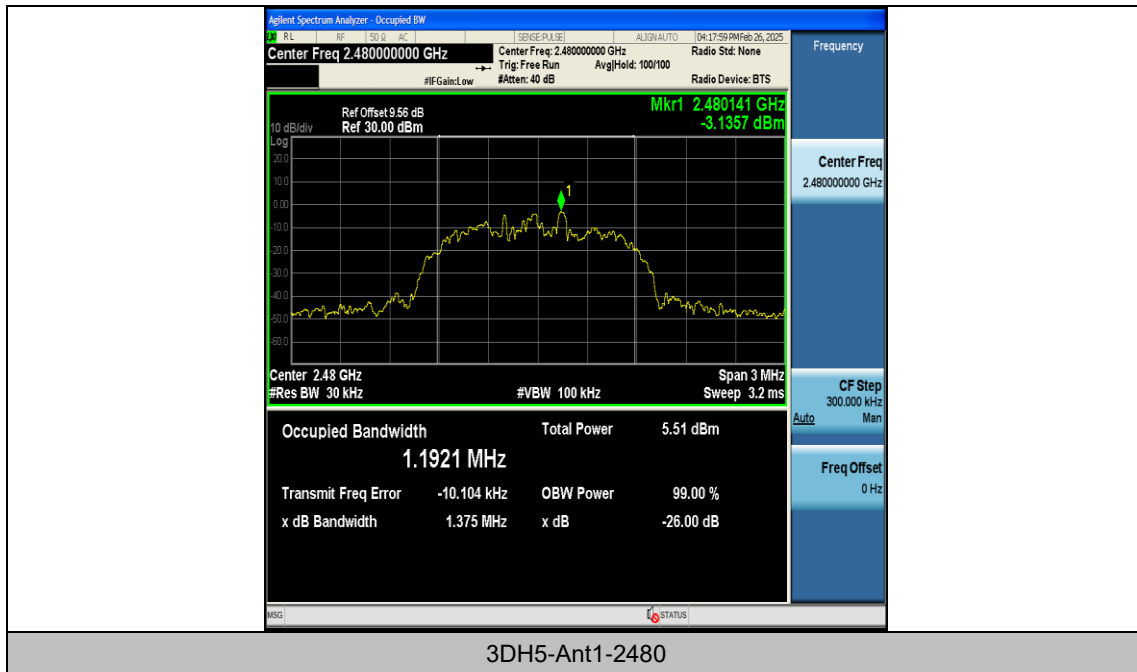


2DH5-Ant1-2402



2DH5-Ant1-2441



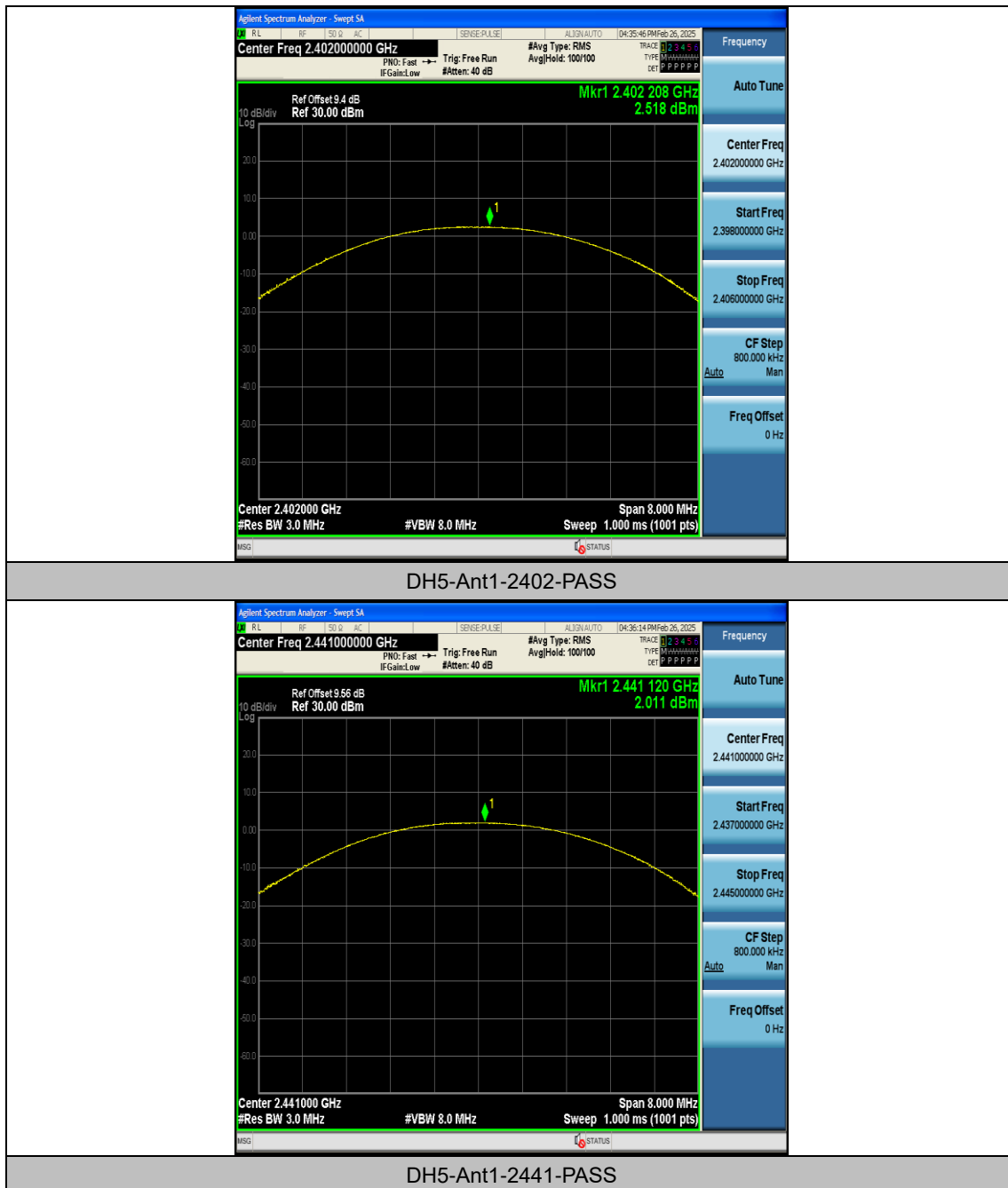


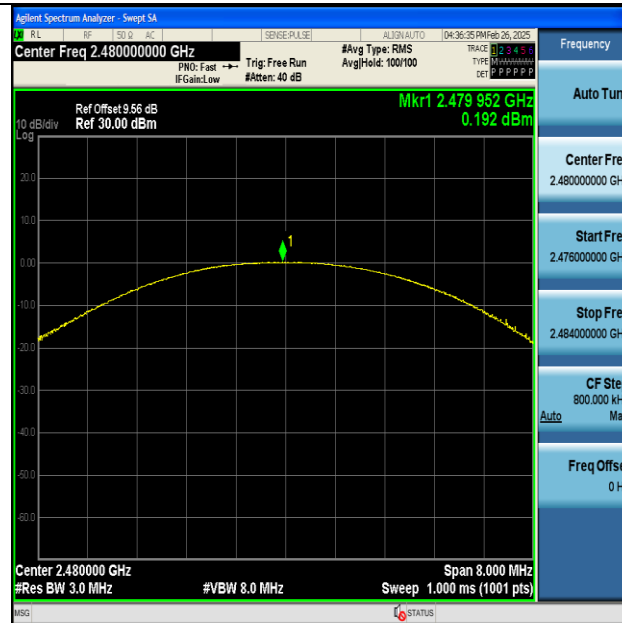
## Appendix C: Maximum peak conducted output power

### Test Result

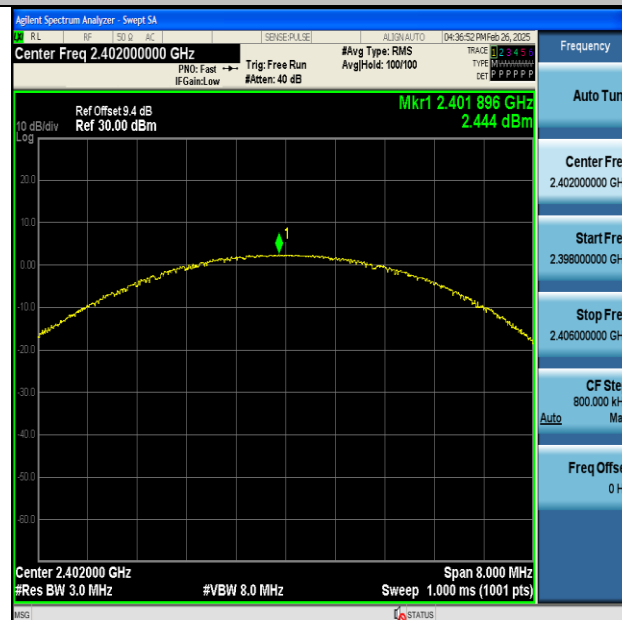
| Test Mode | Antenna | Frequency [MHz] | Conducted Peak Power [dBm] | Conducted Limit [dBm] | Verdict |
|-----------|---------|-----------------|----------------------------|-----------------------|---------|
| DH5       | Ant1    | 2402            | 2.52                       | ≤20.97                | PASS    |
| DH5       | Ant1    | 2441            | 2.01                       | ≤20.97                | PASS    |
| DH5       | Ant1    | 2480            | 0.19                       | ≤20.97                | PASS    |
| 2DH5      | Ant1    | 2402            | 2.44                       | ≤20.97                | PASS    |
| 2DH5      | Ant1    | 2441            | 1.91                       | ≤20.97                | PASS    |
| 2DH5      | Ant1    | 2480            | 0.16                       | ≤20.97                | PASS    |
| 3DH5      | Ant1    | 2402            | 2.33                       | ≤20.97                | PASS    |
| 3DH5      | Ant1    | 2441            | 1.98                       | ≤20.97                | PASS    |
| 3DH5      | Ant1    | 2480            | 0.17                       | ≤20.97                | PASS    |

## Test Graphs





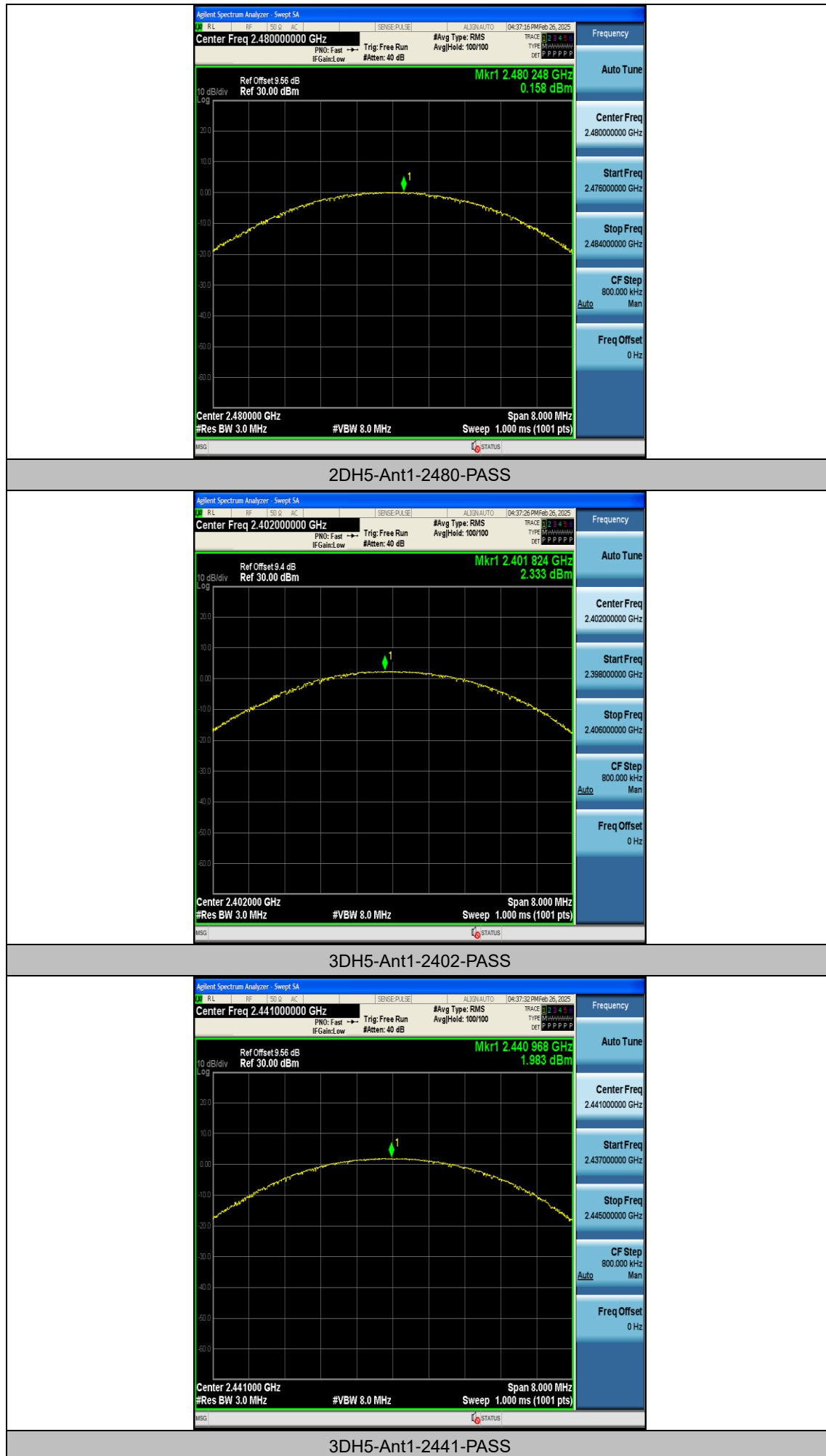
DH5-Ant1-2480-PASS

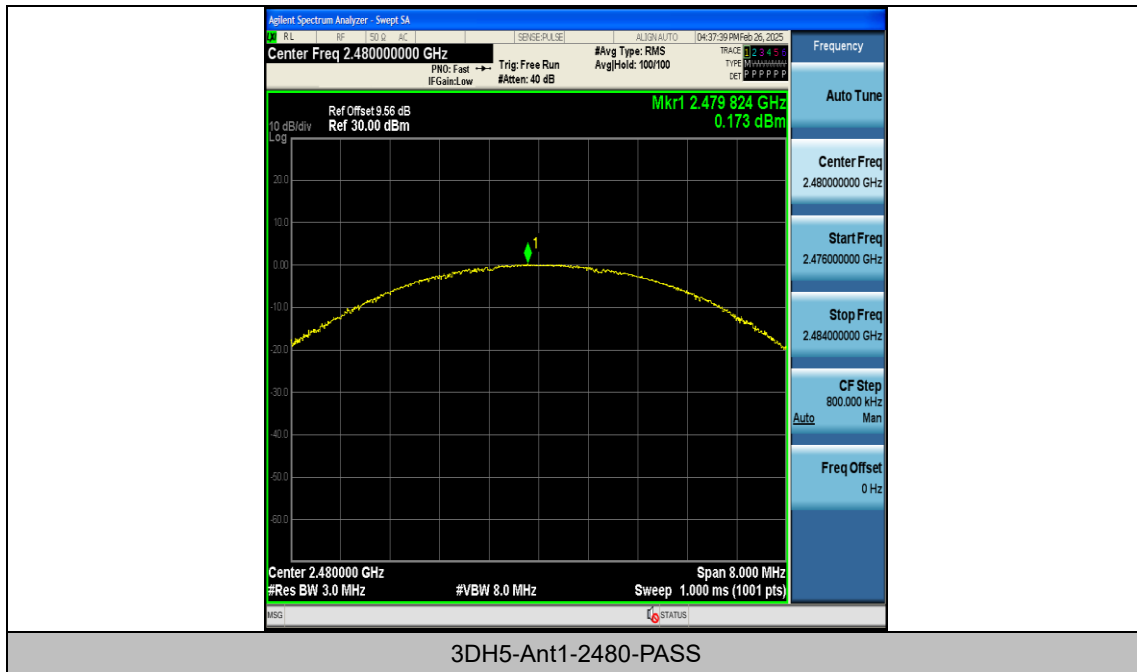


2DH5-Ant1-2402-PASS



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                | 1.004           | $\geq 0.692$   | PASS    |
| 2DH5      | Ant1    | Hop                | 1.026           | $\geq 0.874$   | PASS    |
| 3DH5      | Ant1    | Hop                | 0.974           | $\geq 0.876$   | PASS    |

## Test Graphs



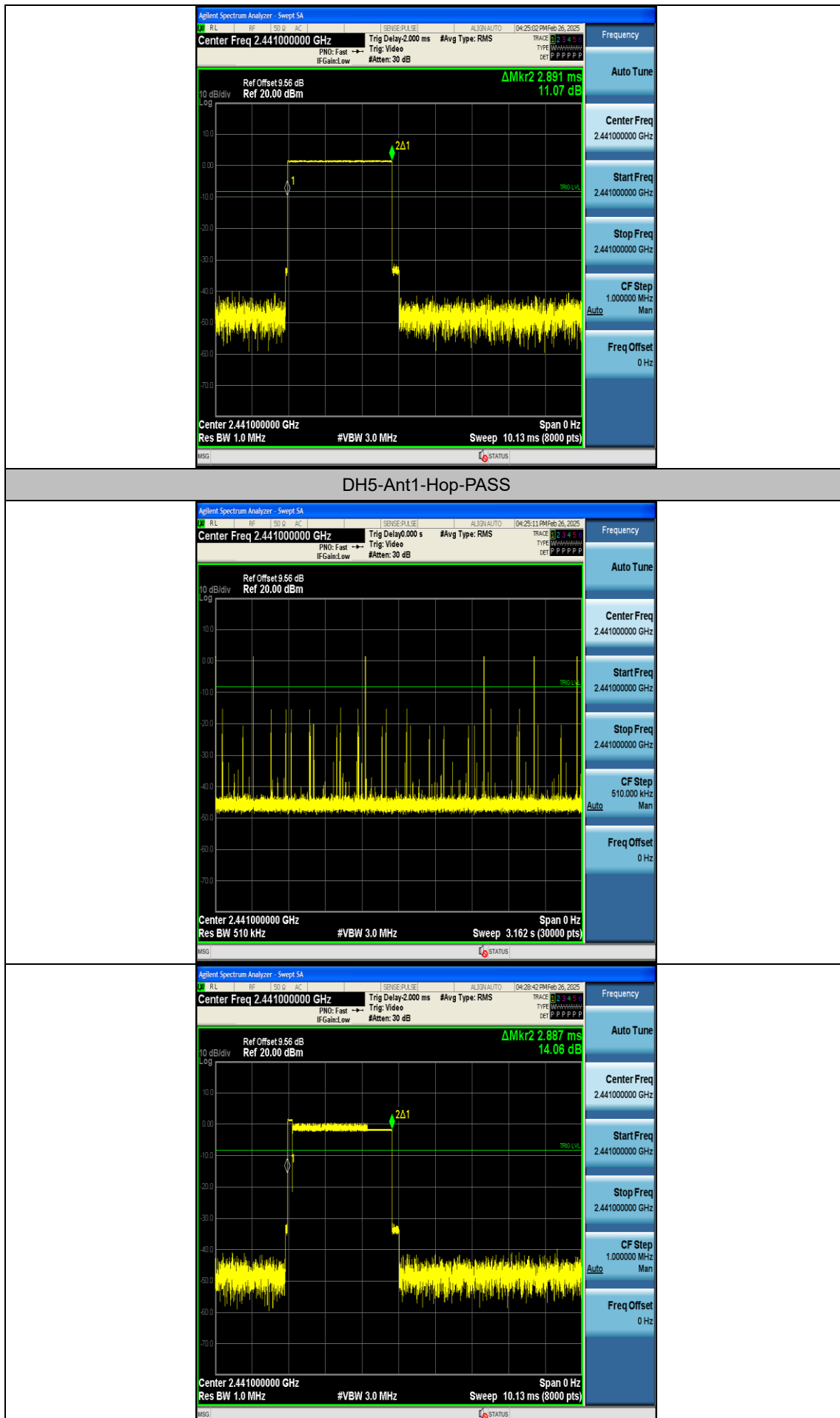


## Appendix E: Time of occupancy

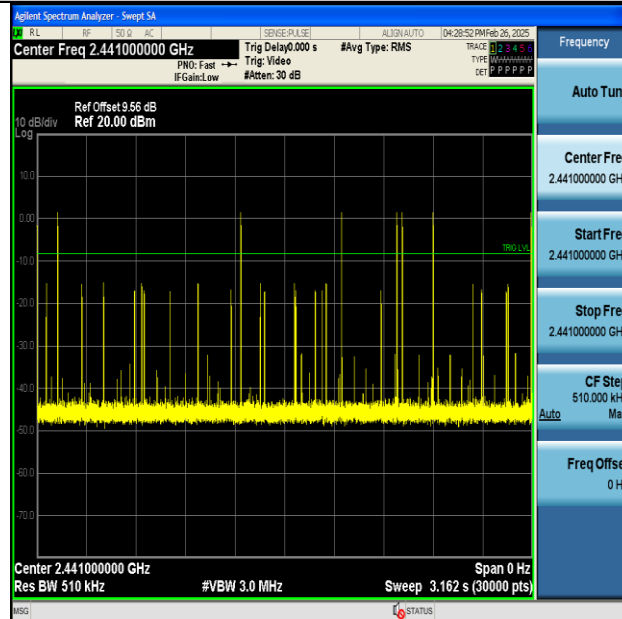
### Test Result

| Test Mode | Antenna | Frequency [MHz] | Burst Width [ms] | TotalHops [Num] | Result [s] | Limit [s] | Verdict |
|-----------|---------|-----------------|------------------|-----------------|------------|-----------|---------|
| DH5       | Ant1    | Hop             | 2.891            | 60              | 0.173      | ≤0.4      | PASS    |
| 2DH5      | Ant1    | Hop             | 2.887            | 80              | 0.231      | ≤0.4      | PASS    |
| 3DH5      | Ant1    | Hop             | 2.885            | 90              | 0.26       | ≤0.4      | PASS    |

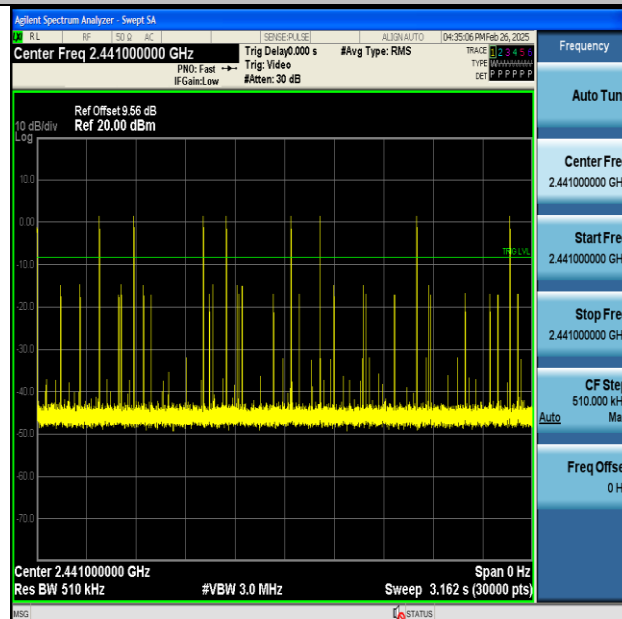
## Test Graphs



## 2DH5-Ant1-Hop-PASS



## 3DH5-Ant1-Hop-PASS

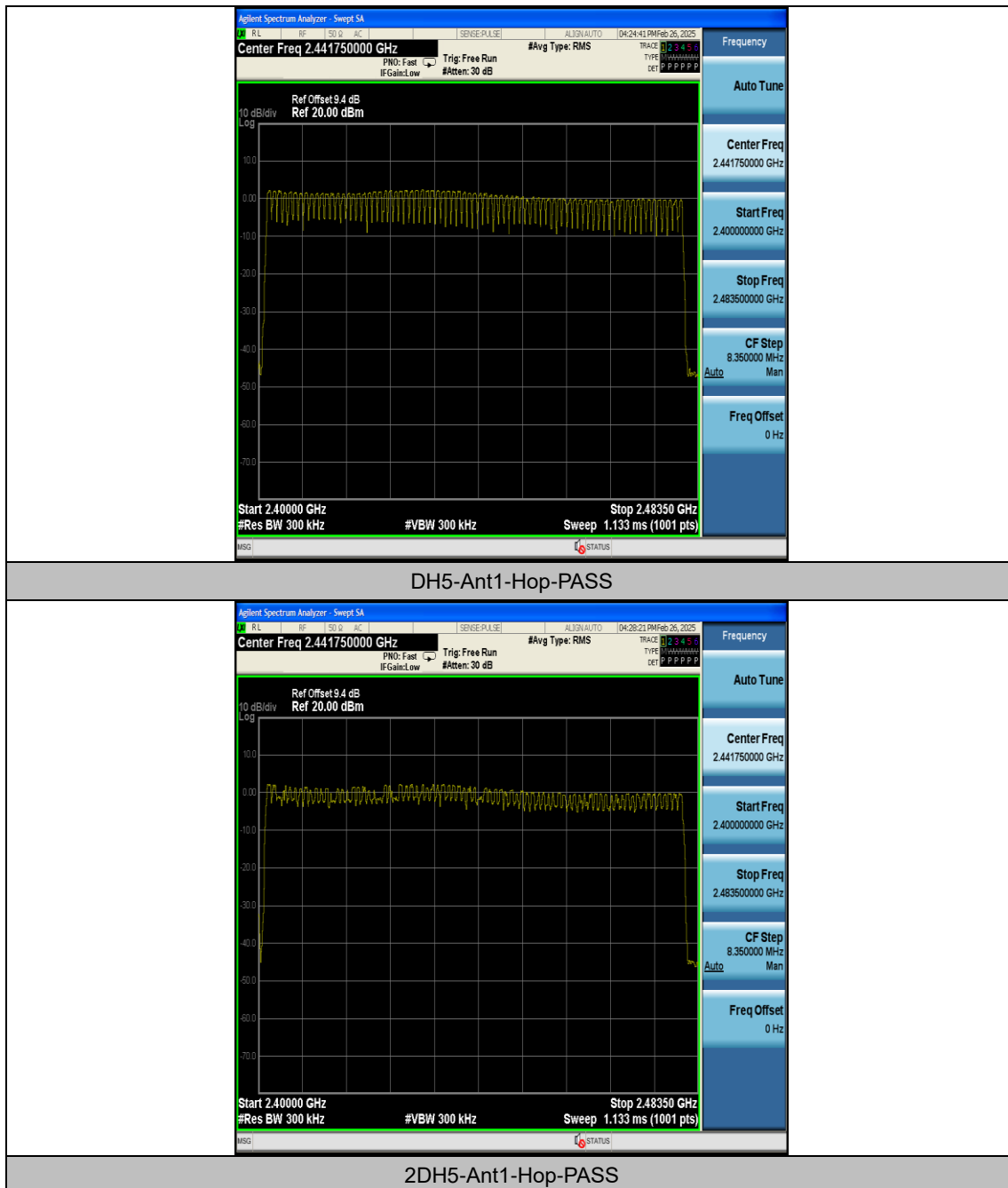


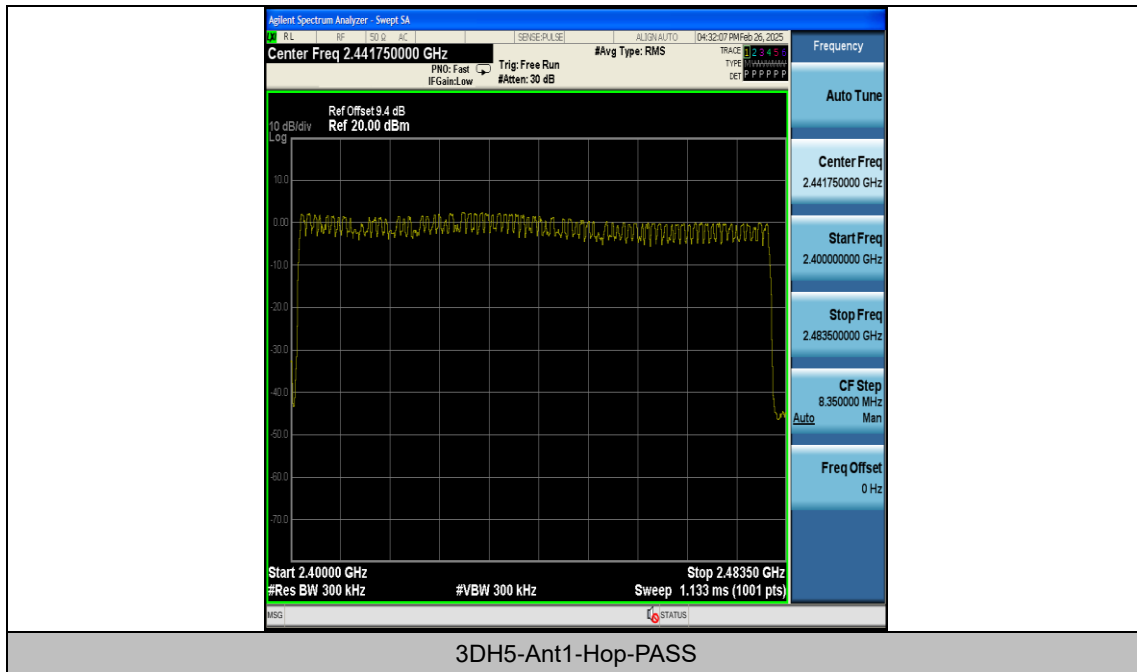
## Appendix F: Number of hopping channels

### 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



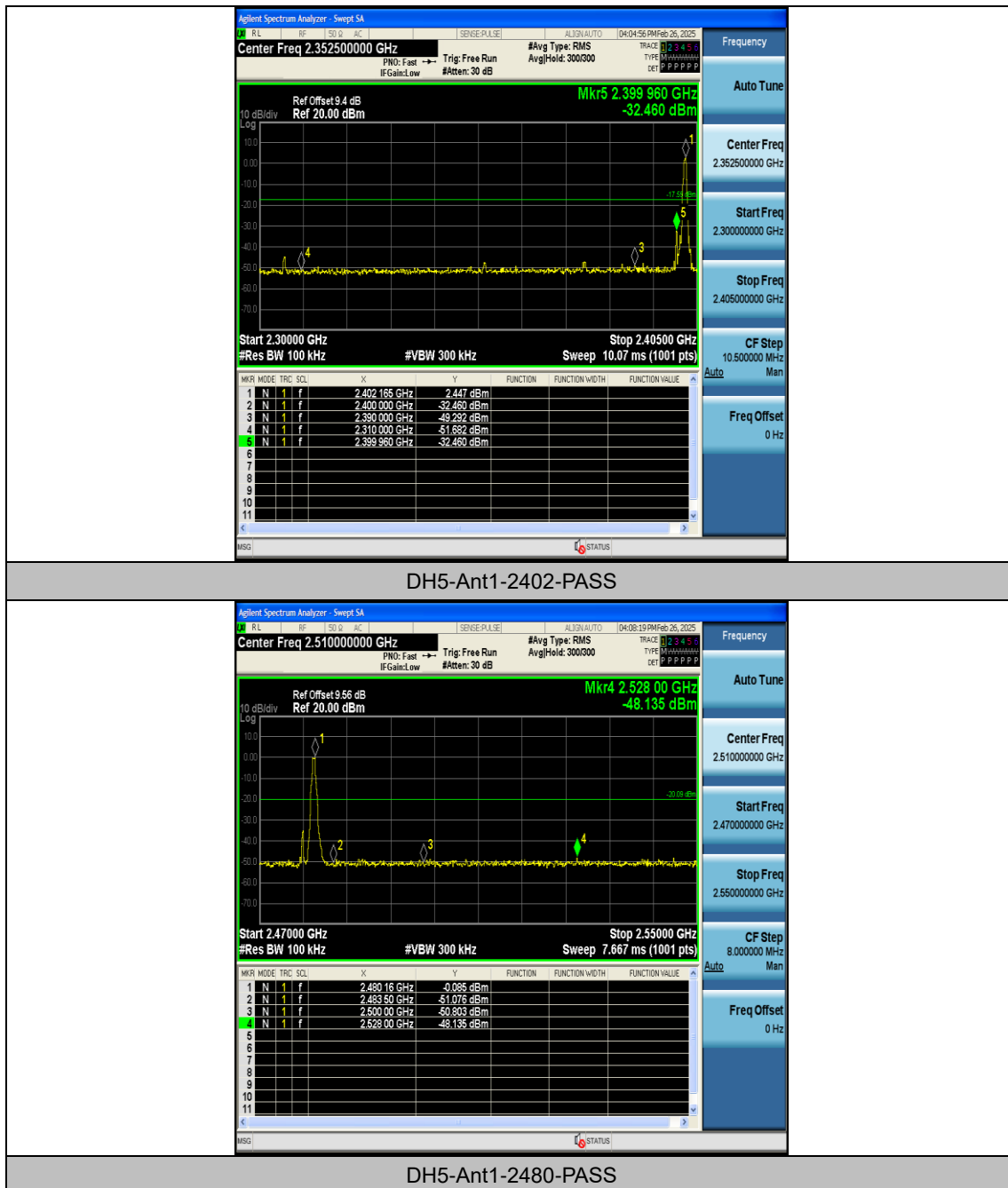


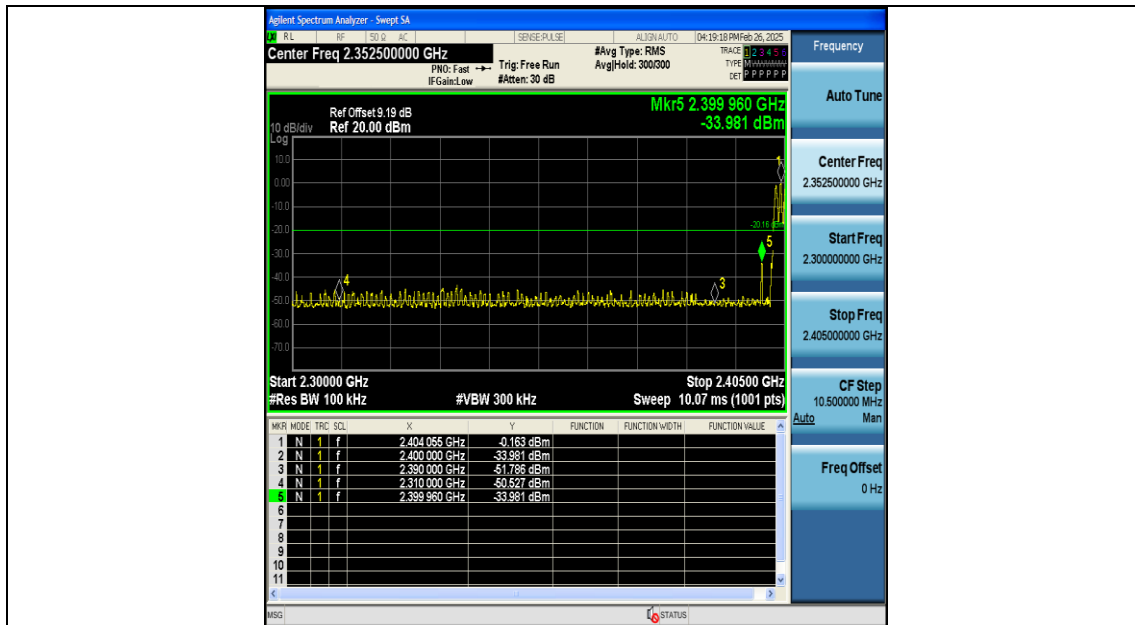
## Appendix G: Band edge measurements

### Test Result

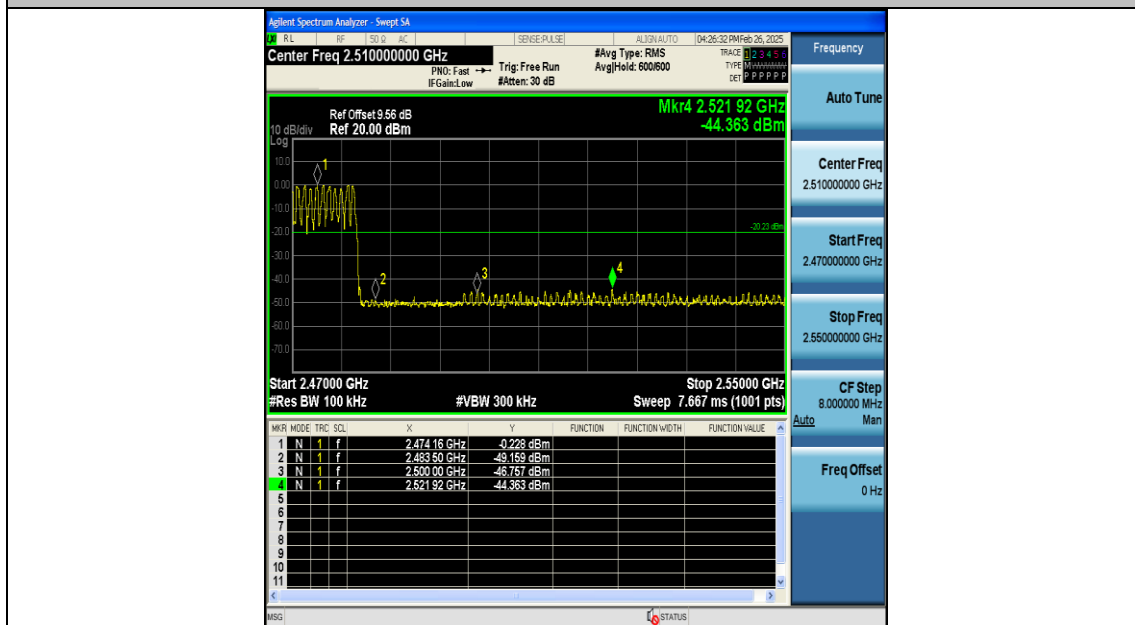
| Test Mode | Antenna | Ch.Name | Frequency [MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|---------|-----------------|----------------|--------------|-------------|---------|
| DH5       | Ant1    | Low     | 2402            | 2.45           | -32.46       | ≤-17.55     | PASS    |
| DH5       | Ant1    | High    | 2480            | -0.09          | -48.14       | ≤-20.09     | PASS    |
| DH5       | Ant1    | Low     | Hop_2402        | -0.16          | -33.98       | ≤-20.16     | PASS    |
| DH5       | Ant1    | High    | Hop_2480        | -0.23          | -44.36       | ≤-20.23     | PASS    |
| 2DH5      | Ant1    | Low     | 2402            | 1.91           | -32.43       | ≤-18.1      | PASS    |
| 2DH5      | Ant1    | High    | 2480            | -0.20          | -47.85       | ≤-20.2      | PASS    |
| 2DH5      | Ant1    | Low     | Hop_2402        | -1.50          | -33.06       | ≤-21.5      | PASS    |
| 2DH5      | Ant1    | High    | Hop_2480        | -1.89          | -45.57       | ≤-21.89     | PASS    |
| 3DH5      | Ant1    | Low     | 2402            | 1.81           | -32.87       | ≤-18.19     | PASS    |
| 3DH5      | Ant1    | High    | 2480            | -0.21          | -47.23       | ≤-20.21     | PASS    |
| 3DH5      | Ant1    | Low     | Hop_2402        | 0.55           | -32.67       | ≤-19.45     | PASS    |
| 3DH5      | Ant1    | High    | Hop_2480        | -0.21          | -45.72       | ≤-20.21     | PASS    |

## Test Graphs

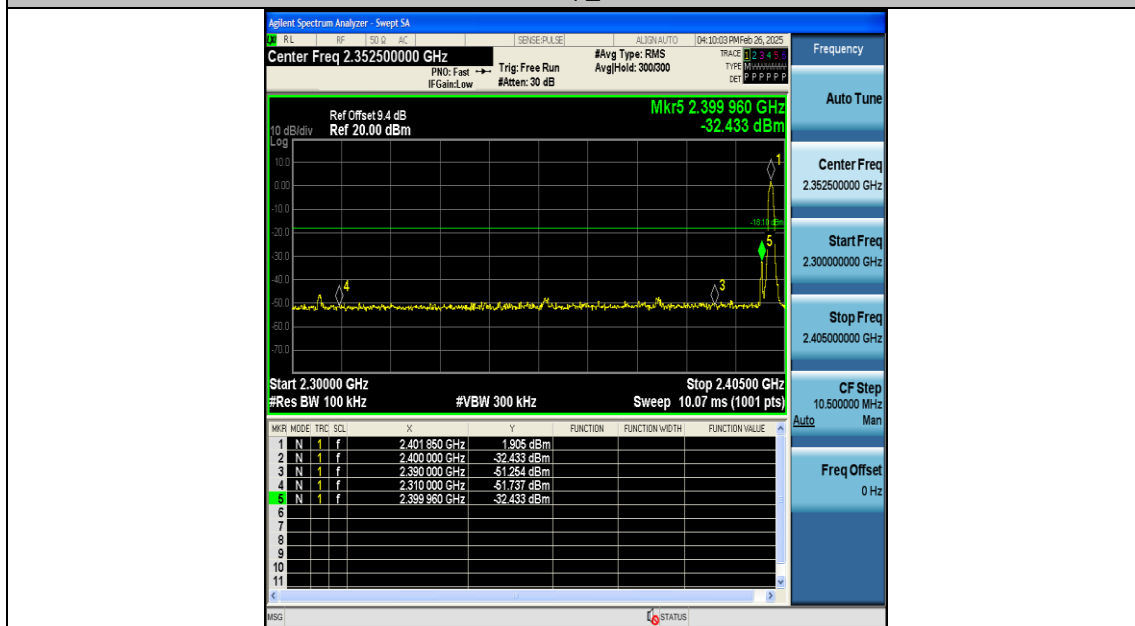




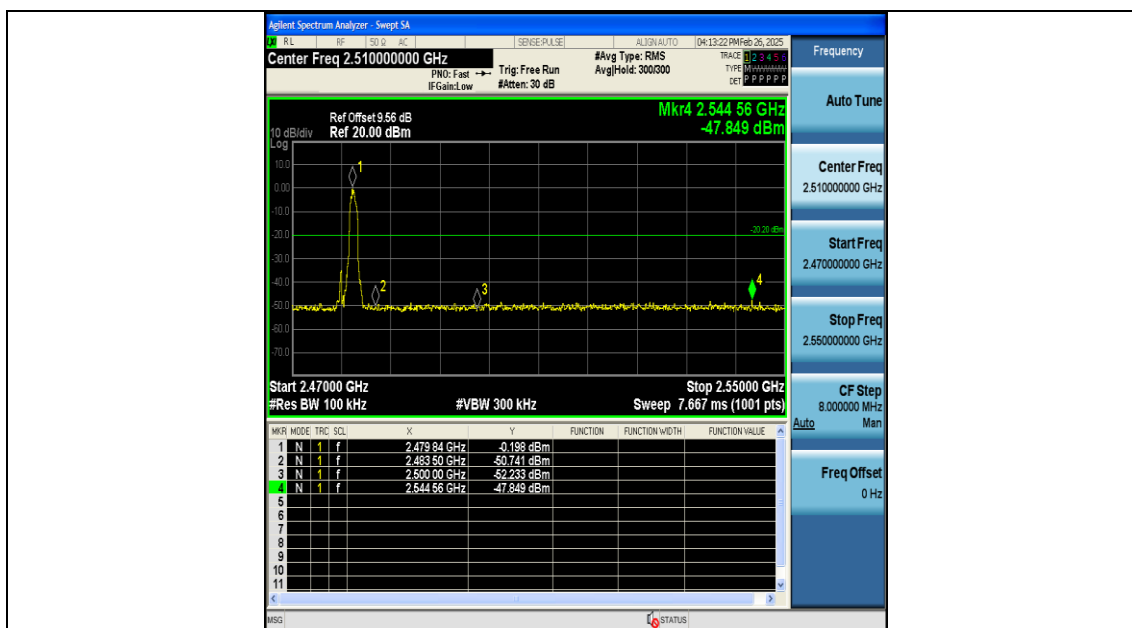
DH5-Ant1-Hop\_2402-PASS



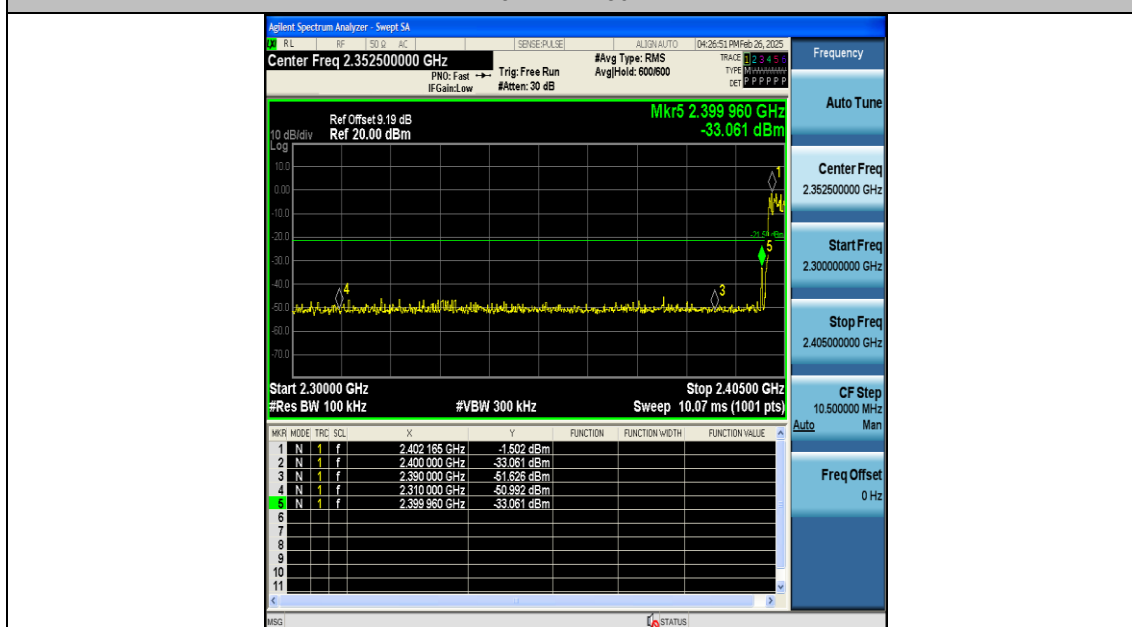
DH5-Ant1-Hop\_2480-PASS



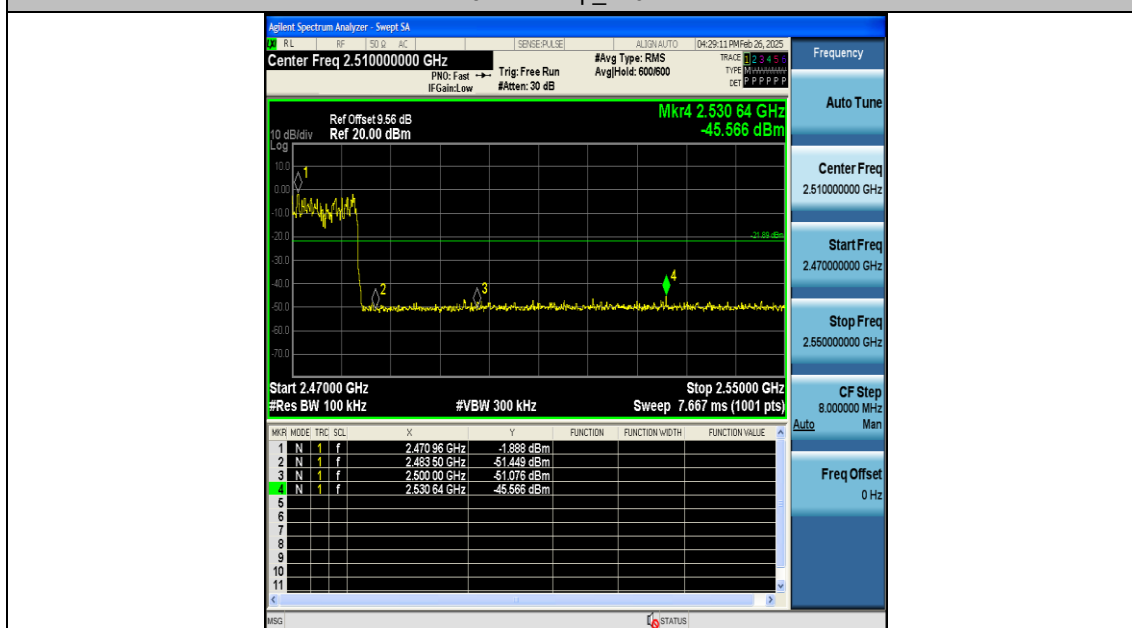
2DH5-Ant1-2402-PASS



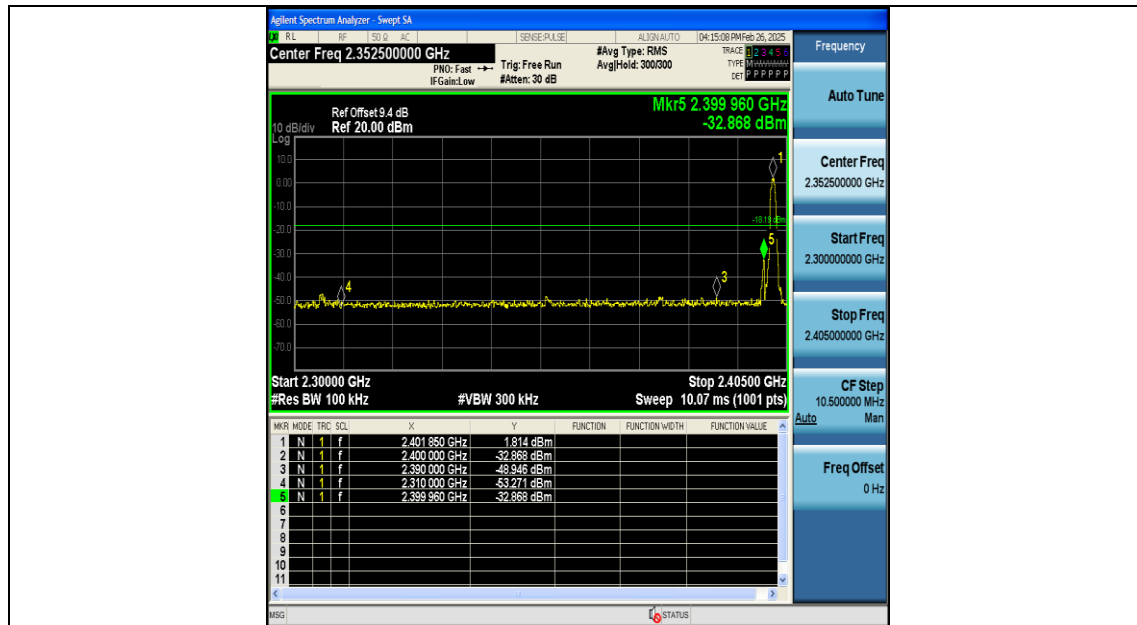
2DH5-Ant1-2480-PASS



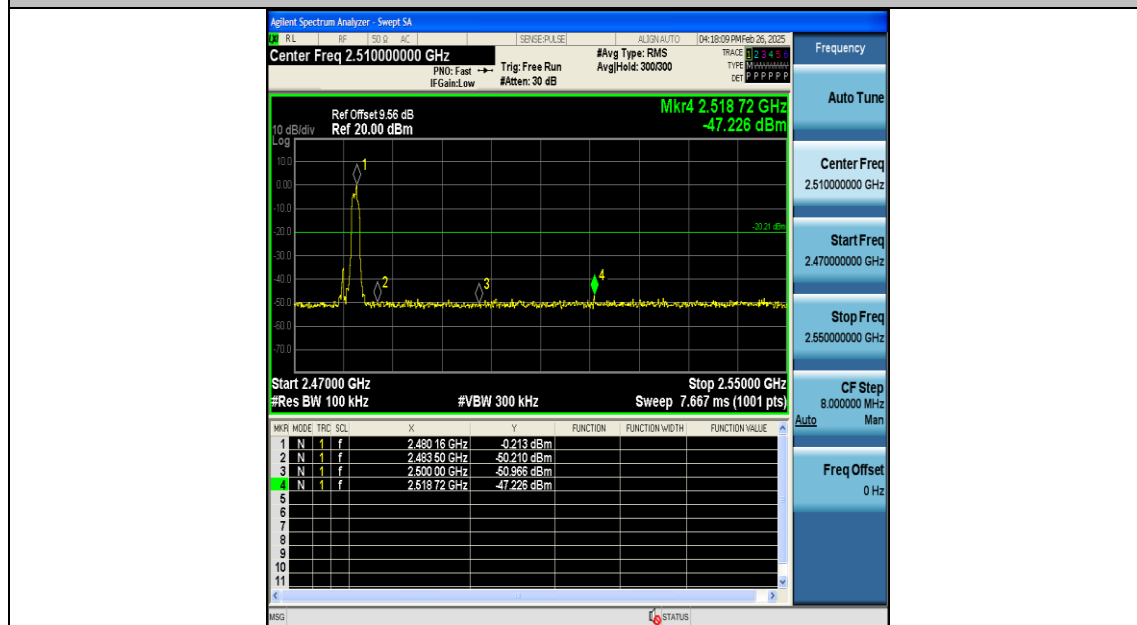
2DH5-Ant1-Hop\_2402-PASS



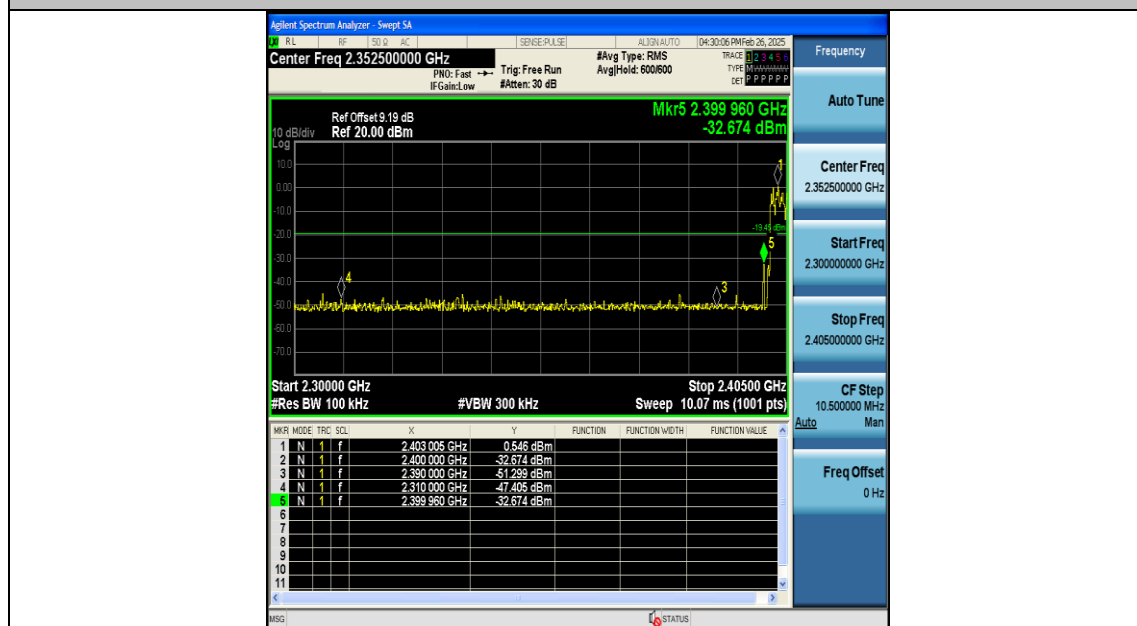
2DH5-Ant1-Hop\_2480-PASS



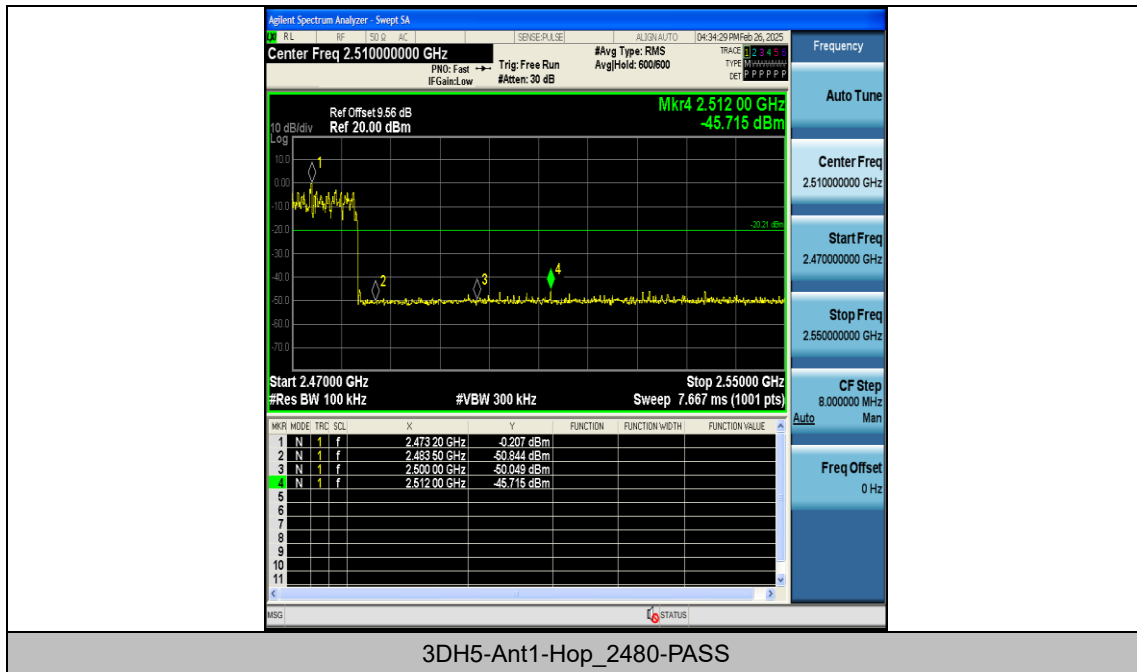
3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop\_2402-PASS

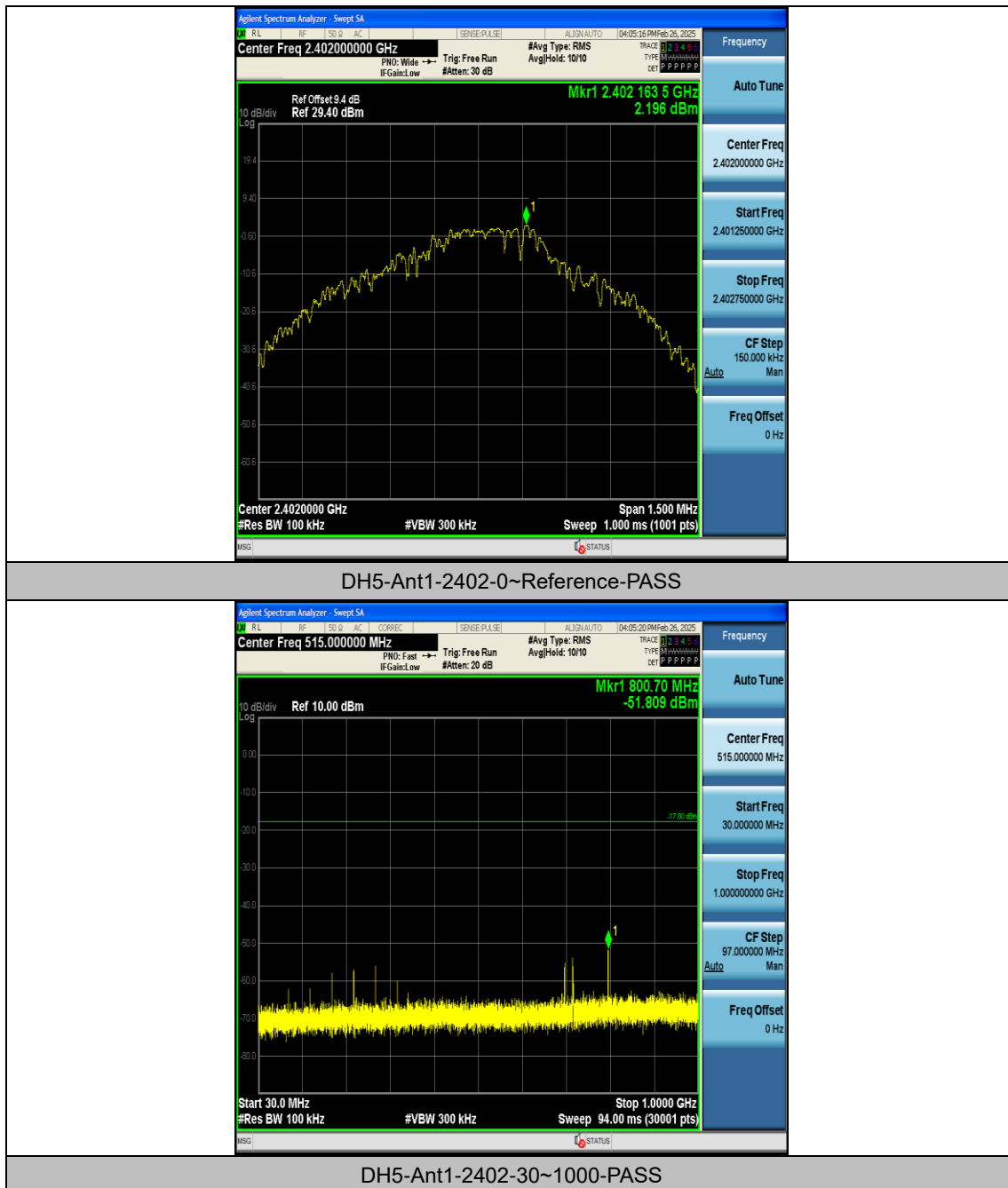


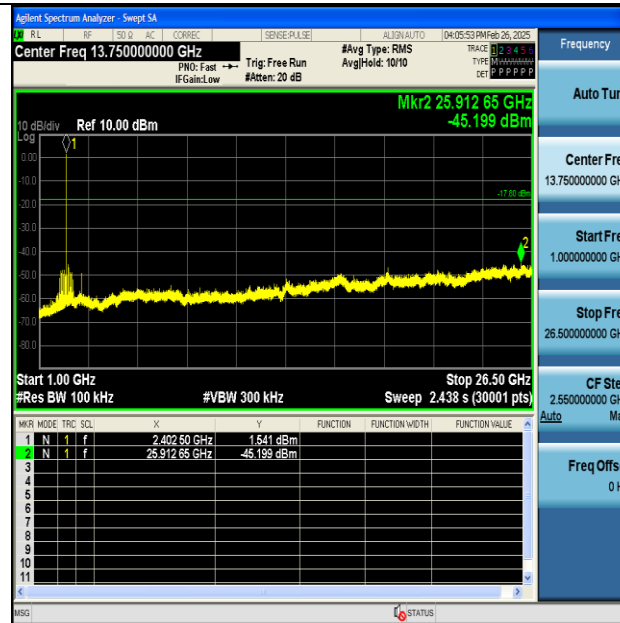
## Appendix H: Conducted Spurious Emission

### Test Result

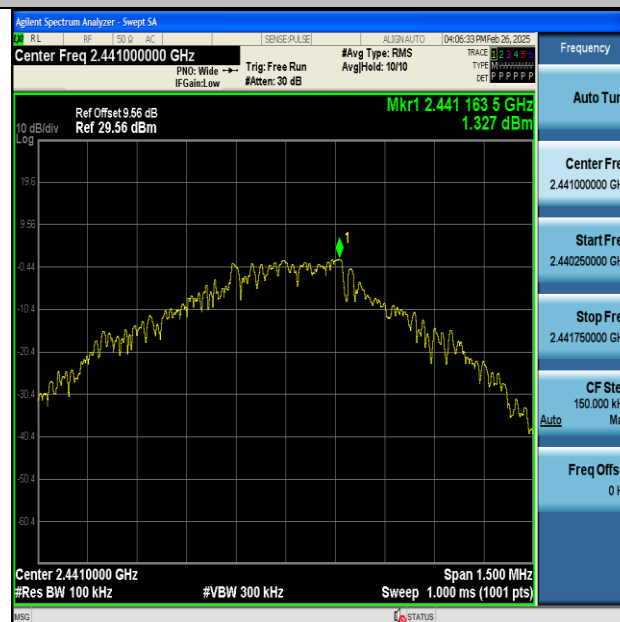
| Test Mode | Antenna | Frequency [MHz] | Freq. Range [MHz] | Ref. Level [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|-----------------|-------------------|------------------|--------------|-------------|---------|
| DH5       | Ant1    | 2402            | 0~Reference       | 2.20             | 2.20         | ---         | PASS    |
| DH5       | Ant1    | 2402            | 30~1000           | 2.20             | -51.81       | ≤-17.8      | PASS    |
| DH5       | Ant1    | 2402            | 1000~26500        | 2.20             | -45.2        | ≤-17.8      | PASS    |
| DH5       | Ant1    | 2441            | 0~Reference       | 1.33             | 1.33         | ---         | PASS    |
| DH5       | Ant1    | 2441            | 30~1000           | 1.33             | -51.91       | ≤-18.67     | PASS    |
| DH5       | Ant1    | 2441            | 1000~26500        | 1.33             | -44.93       | ≤-18.67     | PASS    |
| DH5       | Ant1    | 2480            | 0~Reference       | -0.24            | -0.24        | ---         | PASS    |
| DH5       | Ant1    | 2480            | 30~1000           | -0.24            | -56.71       | ≤-20.24     | PASS    |
| DH5       | Ant1    | 2480            | 1000~26500        | -0.24            | -44.75       | ≤-20.24     | PASS    |
| 2DH5      | Ant1    | 2402            | 0~Reference       | 0.70             | 0.70         | ---         | PASS    |
| 2DH5      | Ant1    | 2402            | 30~1000           | 0.70             | -48.86       | ≤-19.3      | PASS    |
| 2DH5      | Ant1    | 2402            | 1000~26500        | 0.70             | -44.75       | ≤-19.3      | PASS    |
| 2DH5      | Ant1    | 2441            | 0~Reference       | -0.41            | -0.41        | ---         | PASS    |
| 2DH5      | Ant1    | 2441            | 30~1000           | -0.41            | -49.19       | ≤-20.41     | PASS    |
| 2DH5      | Ant1    | 2441            | 1000~26500        | -0.41            | -44.92       | ≤-20.41     | PASS    |
| 2DH5      | Ant1    | 2480            | 0~Reference       | -0.42            | -0.42        | ---         | PASS    |
| 2DH5      | Ant1    | 2480            | 30~1000           | -0.42            | -55.61       | ≤-20.42     | PASS    |
| 2DH5      | Ant1    | 2480            | 1000~26500        | -0.42            | -44.99       | ≤-20.42     | PASS    |
| 3DH5      | Ant1    | 2402            | 0~Reference       | -1.82            | -1.82        | ---         | PASS    |
| 3DH5      | Ant1    | 2402            | 30~1000           | -1.82            | -54.56       | ≤-21.82     | PASS    |
| 3DH5      | Ant1    | 2402            | 1000~26500        | -1.82            | -44.45       | ≤-21.82     | PASS    |
| 3DH5      | Ant1    | 2441            | 0~Reference       | 1.29             | 1.29         | ---         | PASS    |
| 3DH5      | Ant1    | 2441            | 30~1000           | 1.29             | -56.59       | ≤-18.71     | PASS    |
| 3DH5      | Ant1    | 2441            | 1000~26500        | 1.29             | -45.06       | ≤-18.71     | PASS    |
| 3DH5      | Ant1    | 2480            | 0~Reference       | -2.48            | -2.48        | ---         | PASS    |
| 3DH5      | Ant1    | 2480            | 30~1000           | -2.48            | -51.53       | ≤-22.48     | PASS    |
| 3DH5      | Ant1    | 2480            | 1000~26500        | -2.48            | -44.87       | ≤-22.48     | PASS    |

## Test Graphs

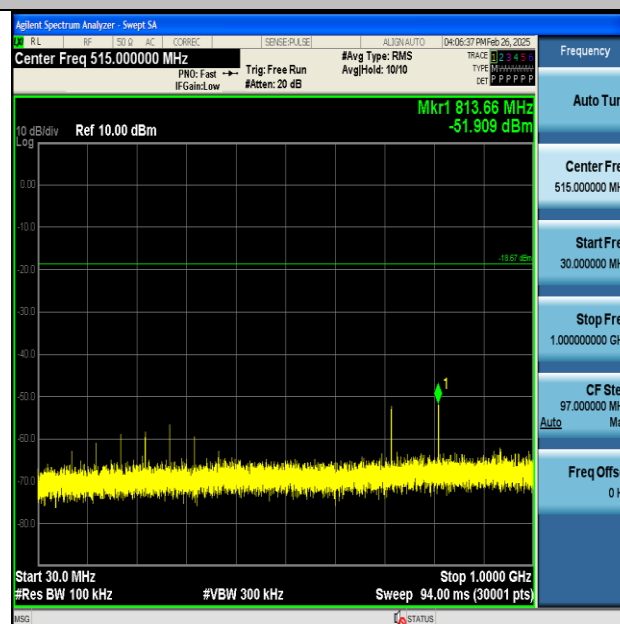




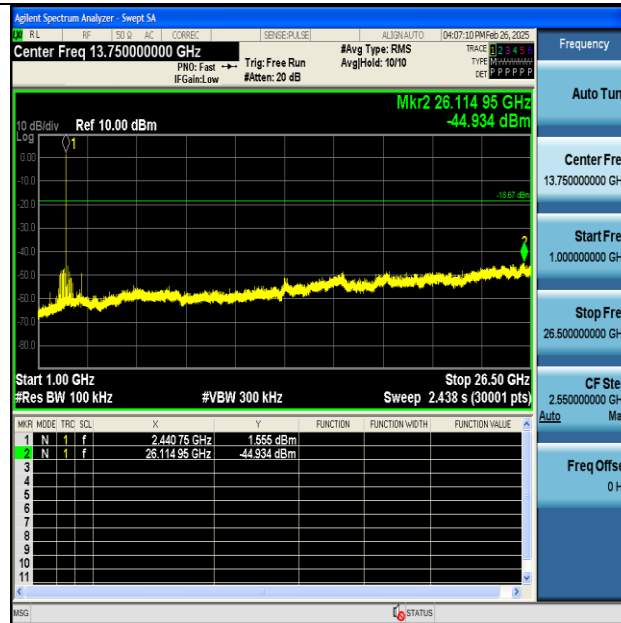
DH5-Ant1-2402-1000~26500-PASS



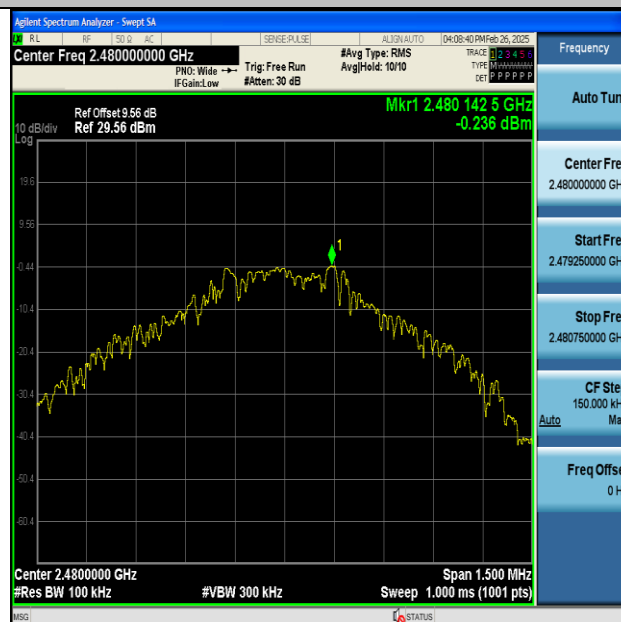
DH5-Ant1-2441-0~Reference-PASS



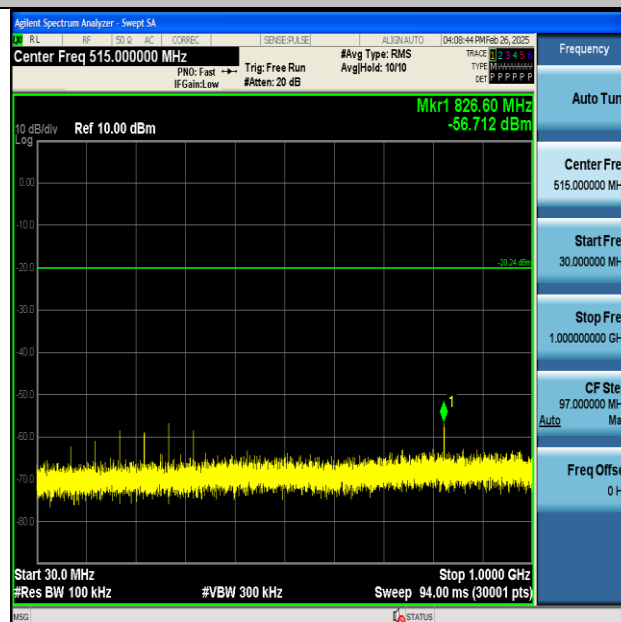
DH5-Ant1-2441-30~1000-PASS



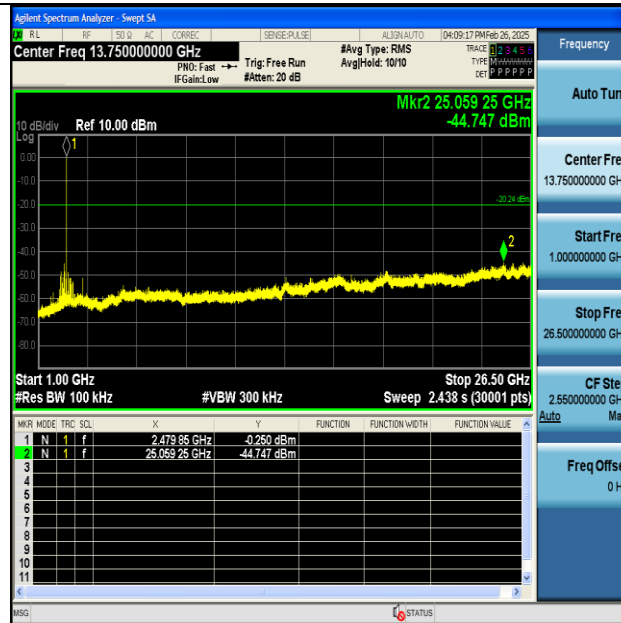
DH5-Ant1-2441-1000~26500-PASS



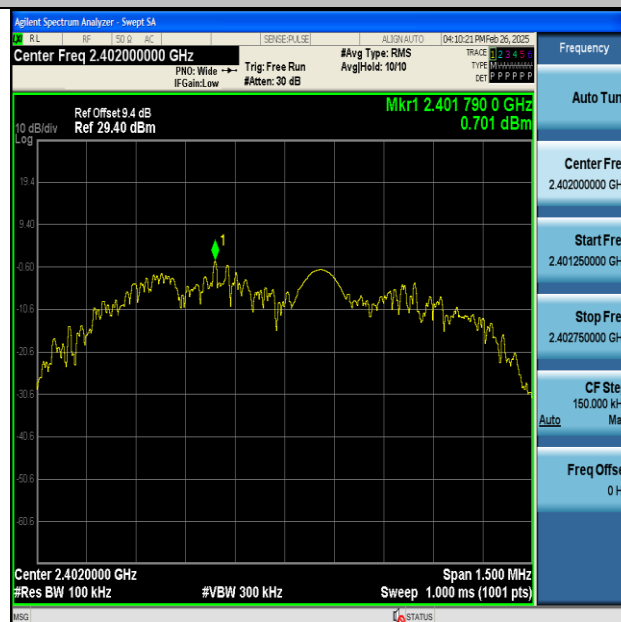
DH5-Ant1-2480-0~Reference-PASS



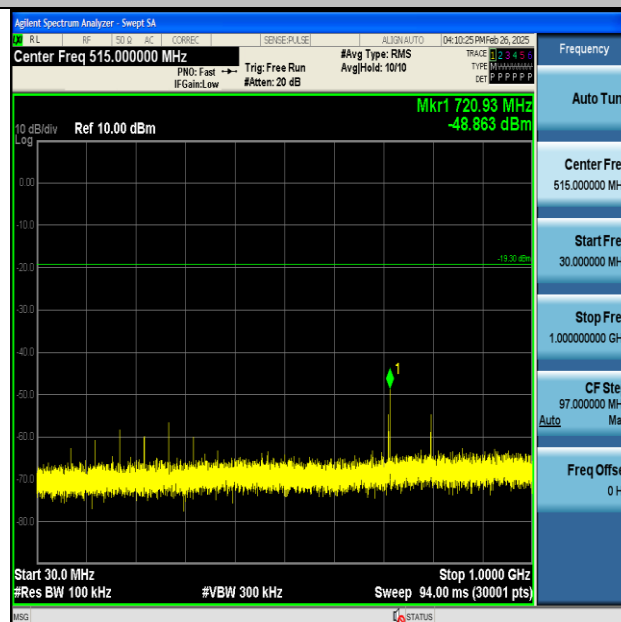
DH5-Ant1-2480-30~1000-PASS



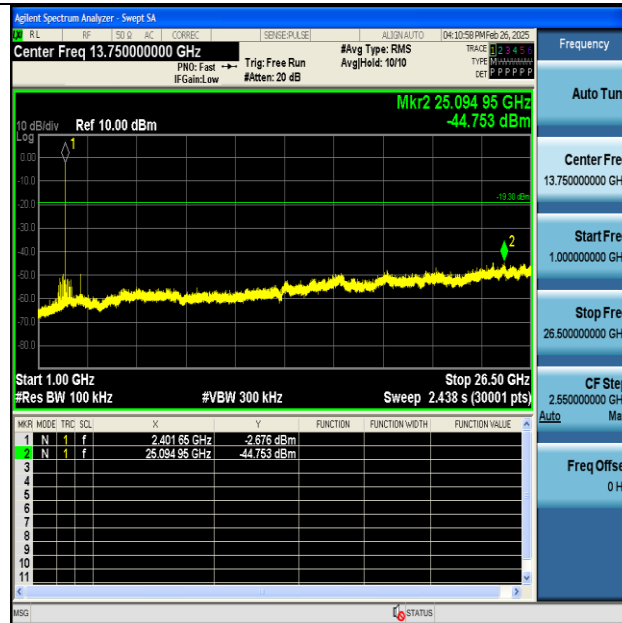
DH5-Ant1-2480-1000~26500-PASS



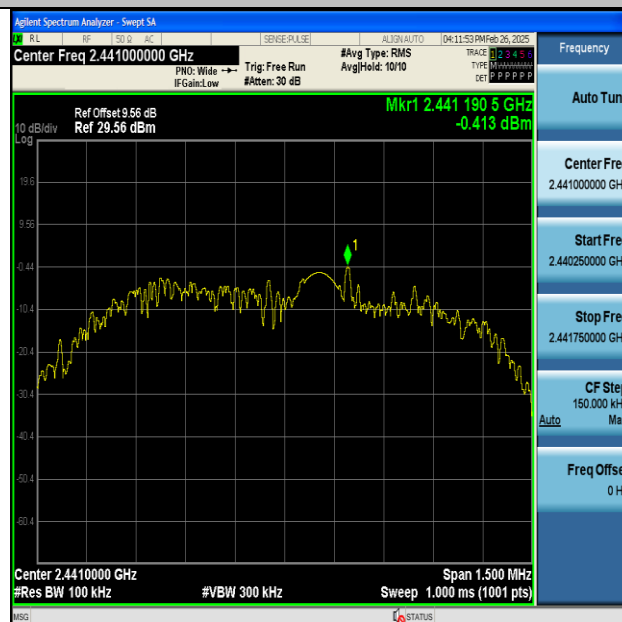
2DH5-Ant1-2402-0~Reference-PASS



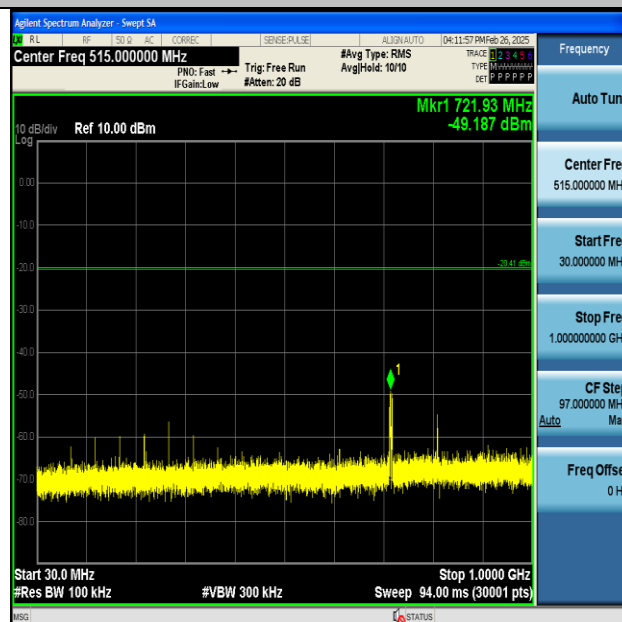
2DH5-Ant1-2402-30~1000-PASS



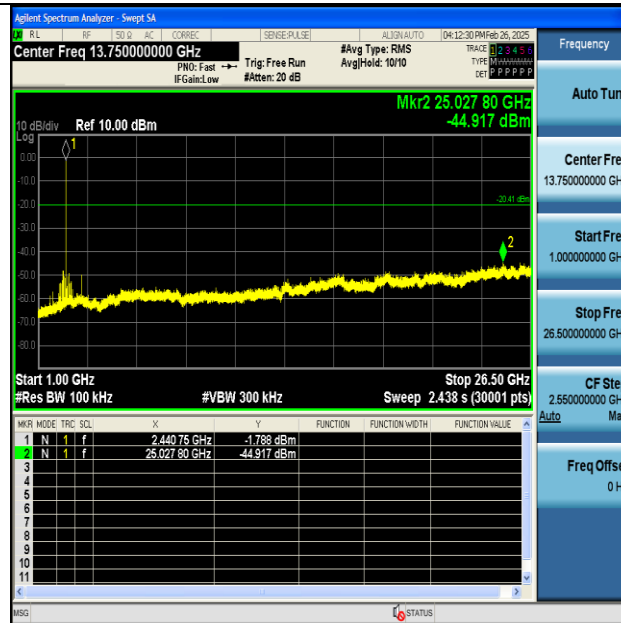
2DH5-Ant1-2402-1000~26500-PASS



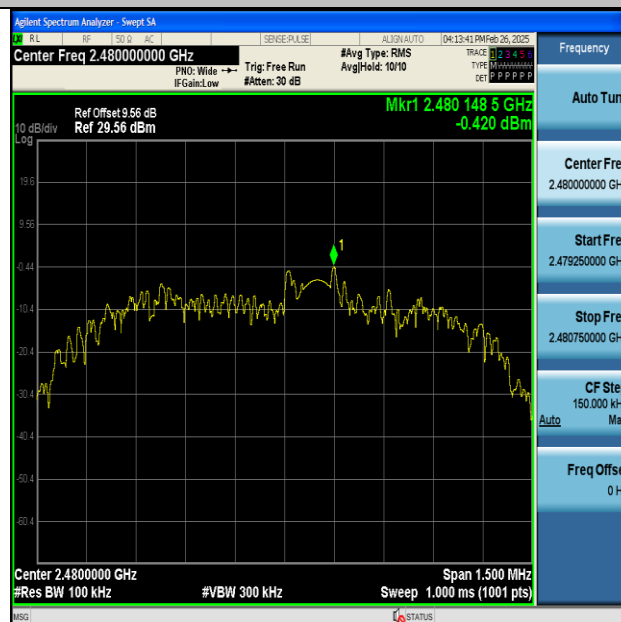
2DH5-Ant1-2441-0~Reference-PASS



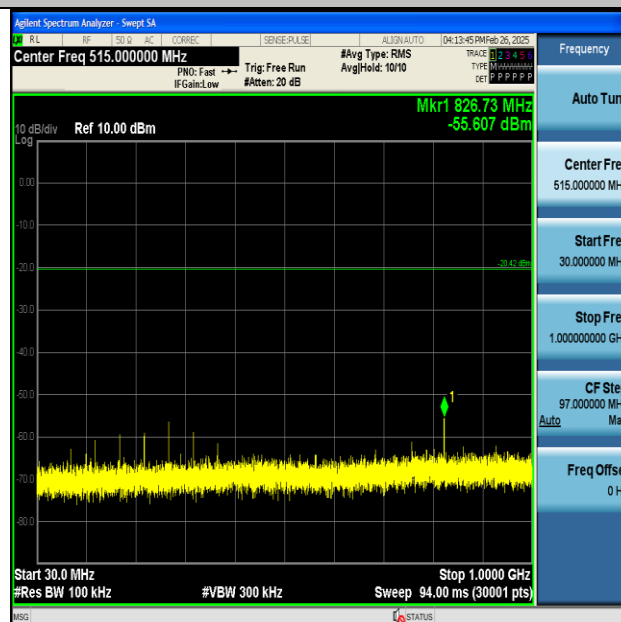
2DH5-Ant1-2441-30~1000-PASS



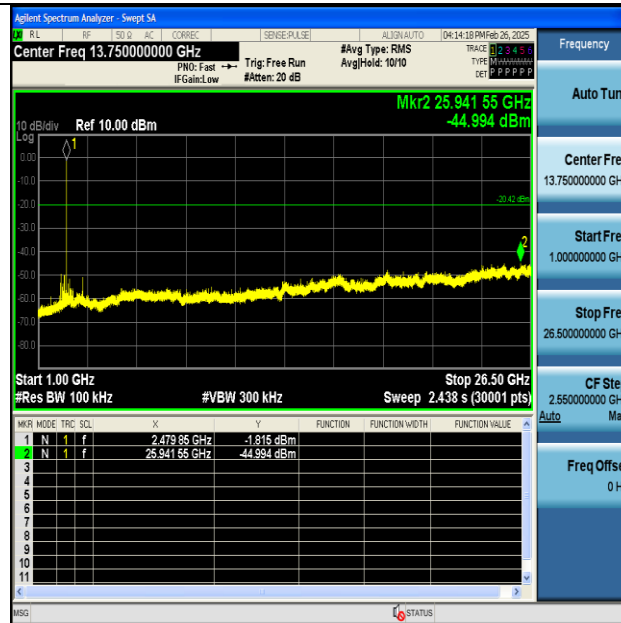
2DH5-Ant1-2441-1000~26500-PASS



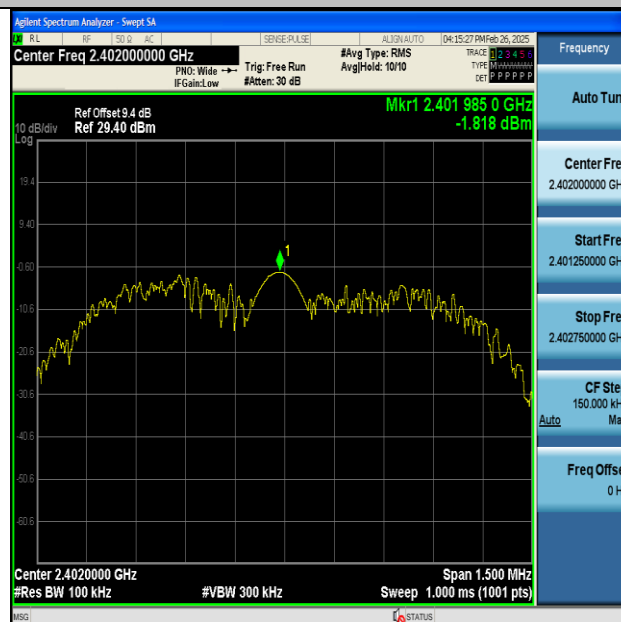
2DH5-Ant1-2480-0~Reference-PASS



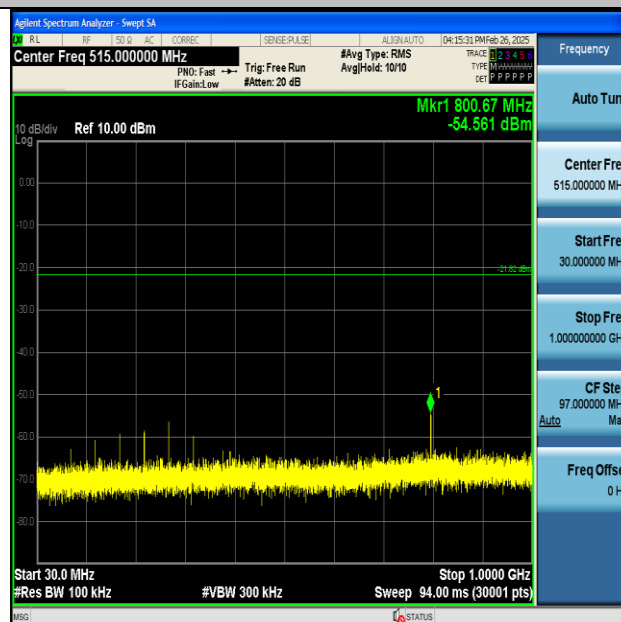
2DH5-Ant1-2480-30~1000-PASS



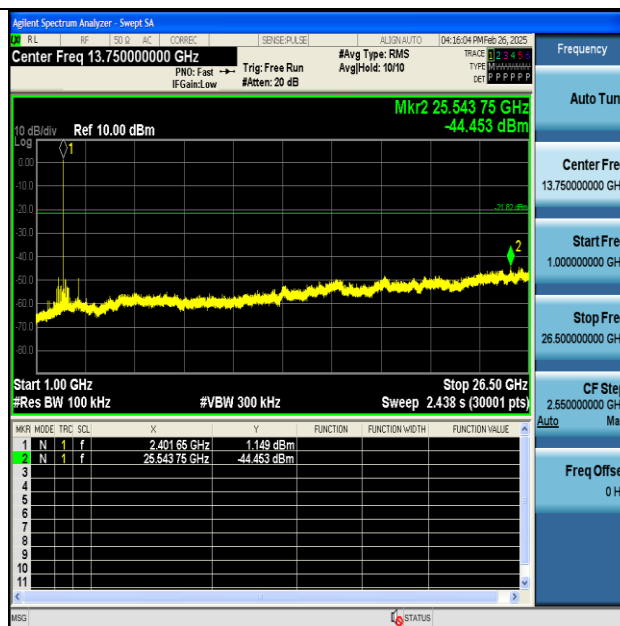
2DH5-Ant1-2480-1000~26500-PASS



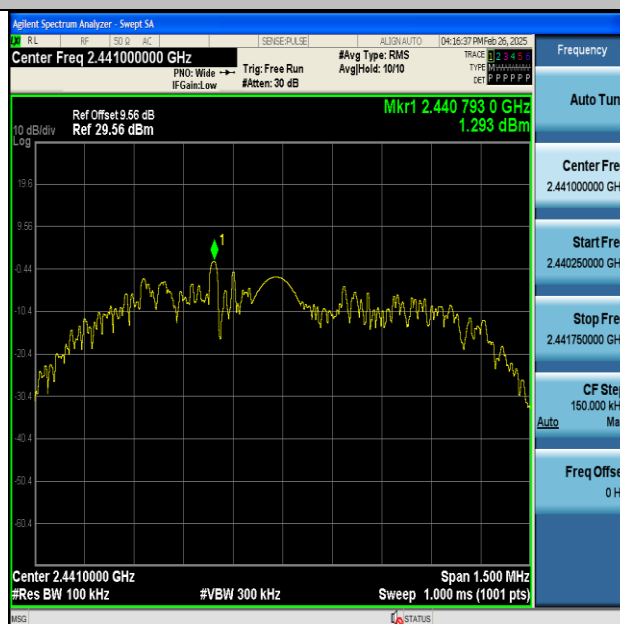
3DH5-Ant1-2402-0~Reference-PASS



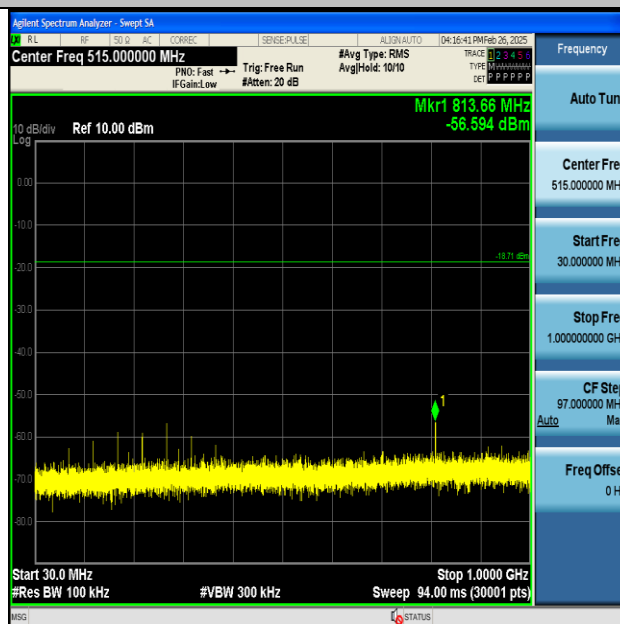
3DH5-Ant1-2402-30~1000-PASS



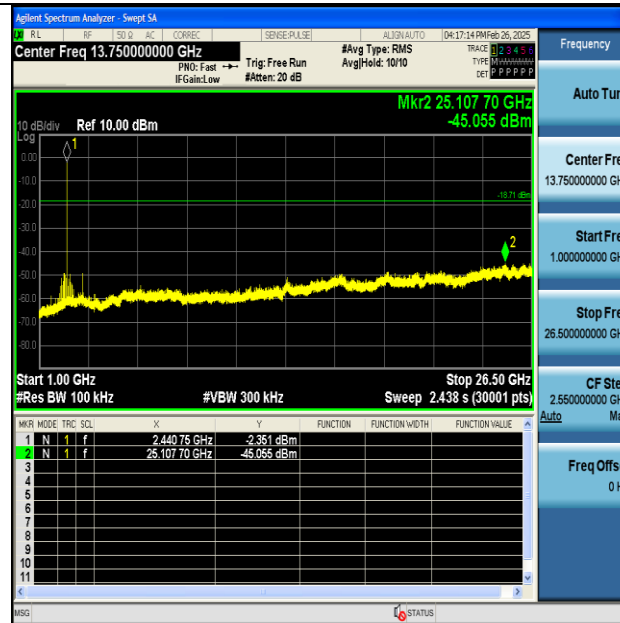
3DH5-Ant1-2402-1000~26500-PASS



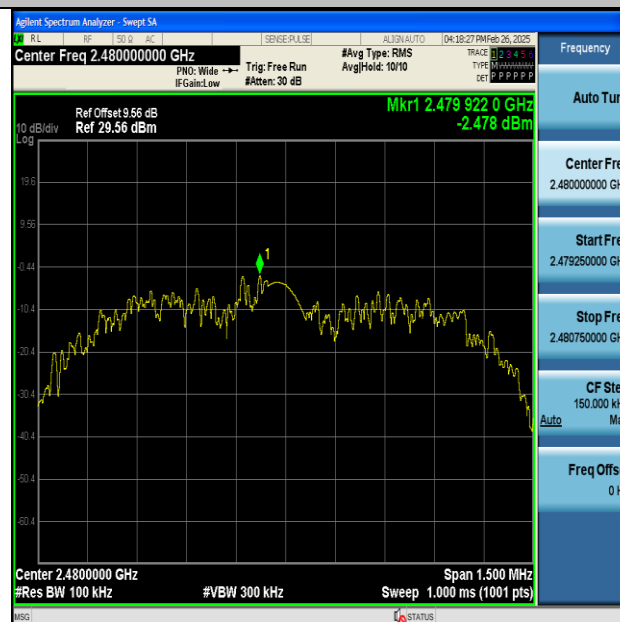
3DH5-Ant1-2441-0~Reference-PASS



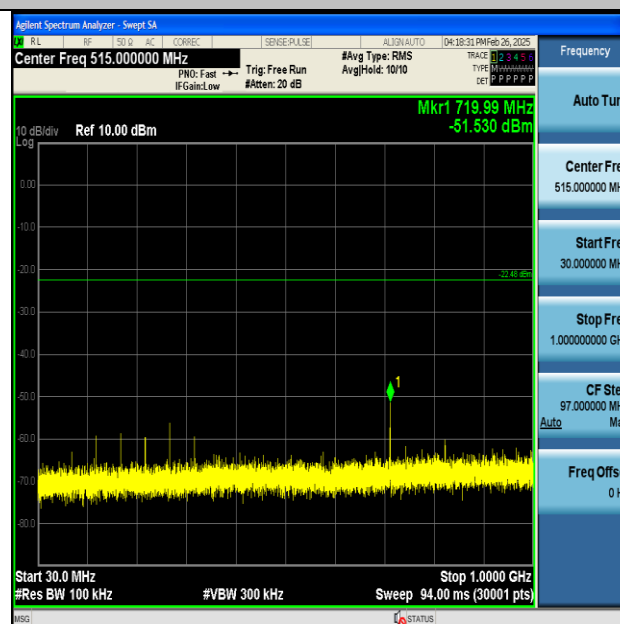
3DH5-Ant1-2441-30~1000-PASS



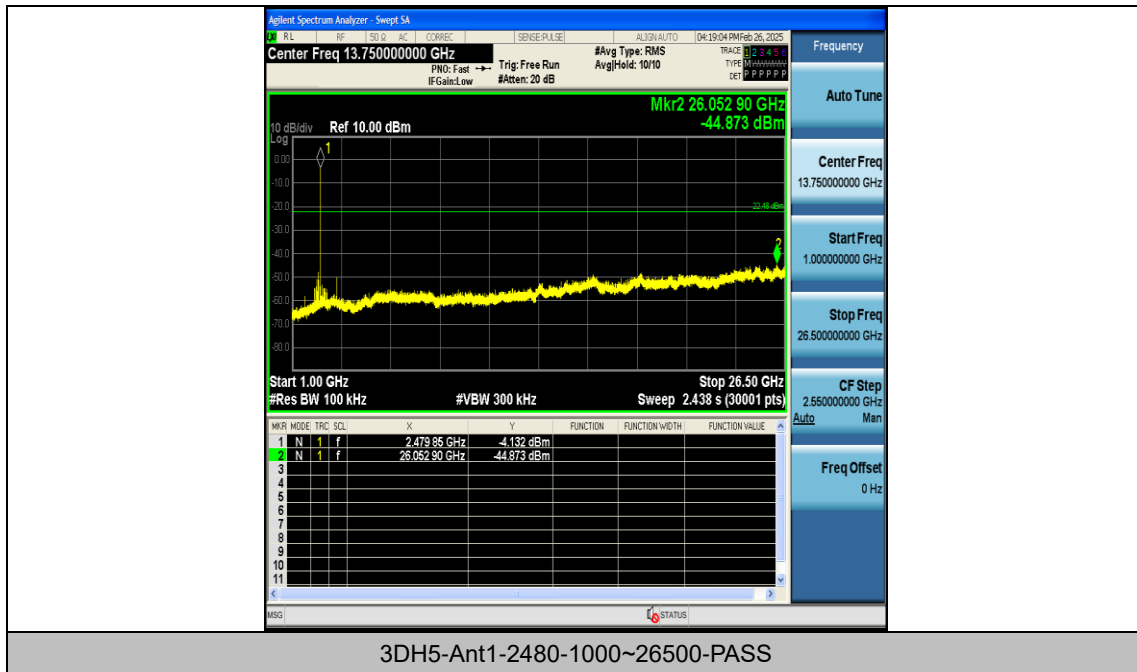
3DH5-Ant1-2441-1000~26500-PASS



3DH5-Ant1-2480-0~Reference-PASS



3DH5-Ant1-2480-30~1000-PASS

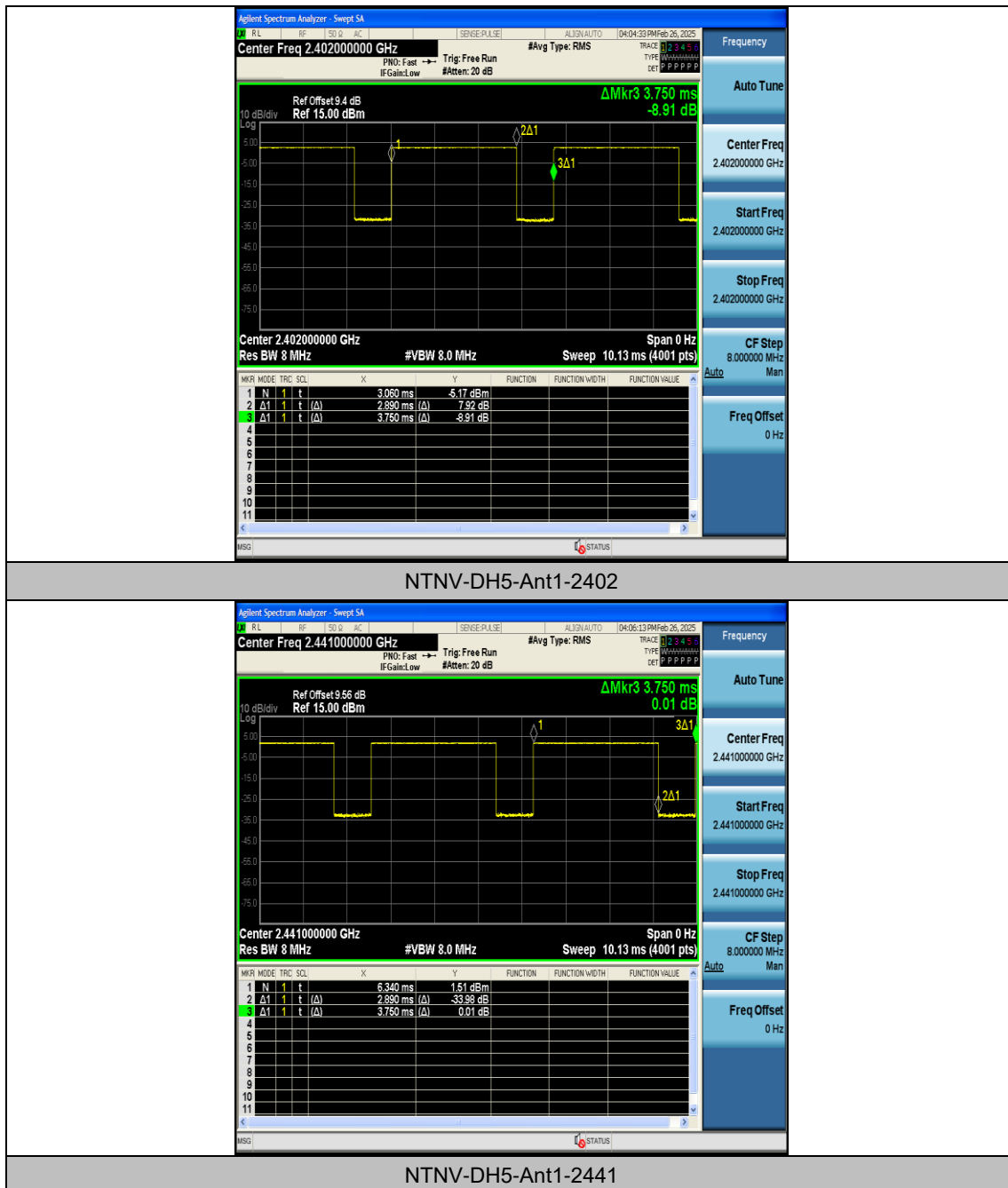


## Appendix I: Duty Cycle

### Test Result

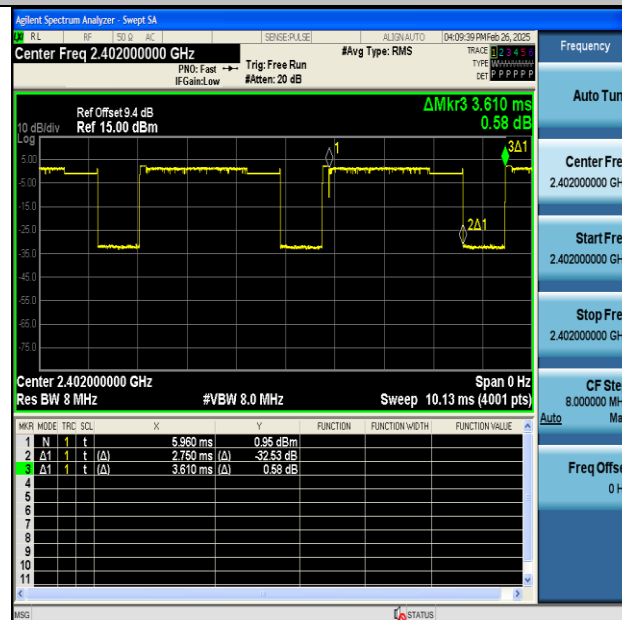
| Test Mode | Antenna | Frequency [MHz] | ON Time [ms] | Period [ms] | Duty Cycle [%] | Duty Cycle Factor [dB] |
|-----------|---------|-----------------|--------------|-------------|----------------|------------------------|
| DH5       | Ant1    | 2402            | 2.89         | 3.75        | 77.07          | 1.13                   |
| DH5       | Ant1    | 2441            | 2.89         | 3.75        | 77.07          | 1.13                   |
| DH5       | Ant1    | 2480            | 2.90         | 3.75        | 77.33          | 1.12                   |
| 2DH5      | Ant1    | 2402            | 2.75         | 3.61        | 76.18          | 1.18                   |
| 2DH5      | Ant1    | 2441            | 2.89         | 3.75        | 77.07          | 1.13                   |
| 2DH5      | Ant1    | 2480            | 2.75         | 3.61        | 76.18          | 1.18                   |
| 3DH5      | Ant1    | 2402            | 2.75         | 3.61        | 76.18          | 1.18                   |
| 3DH5      | Ant1    | 2441            | 2.89         | 3.75        | 77.07          | 1.13                   |
| 3DH5      | Ant1    | 2480            | 2.75         | 3.61        | 76.18          | 1.18                   |

## Test Graphs

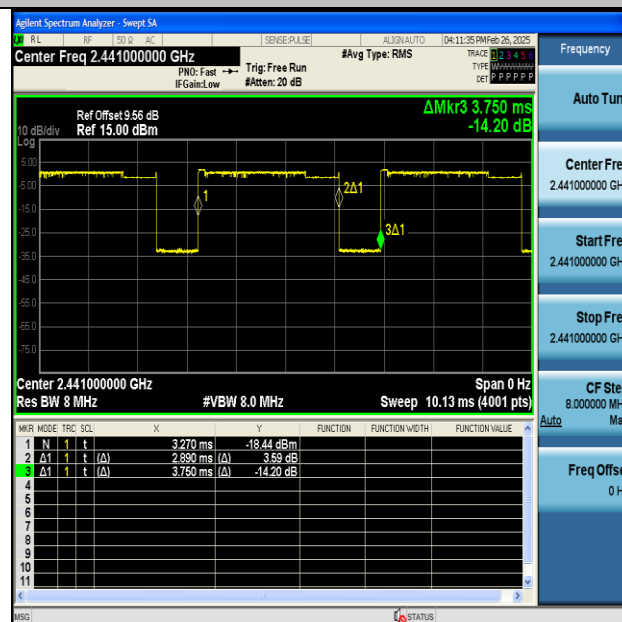




NTNV-DH5-Ant1-2480



NTNV-2DH5-Ant1-2402



NTNV-2DH5-Ant1-2441

