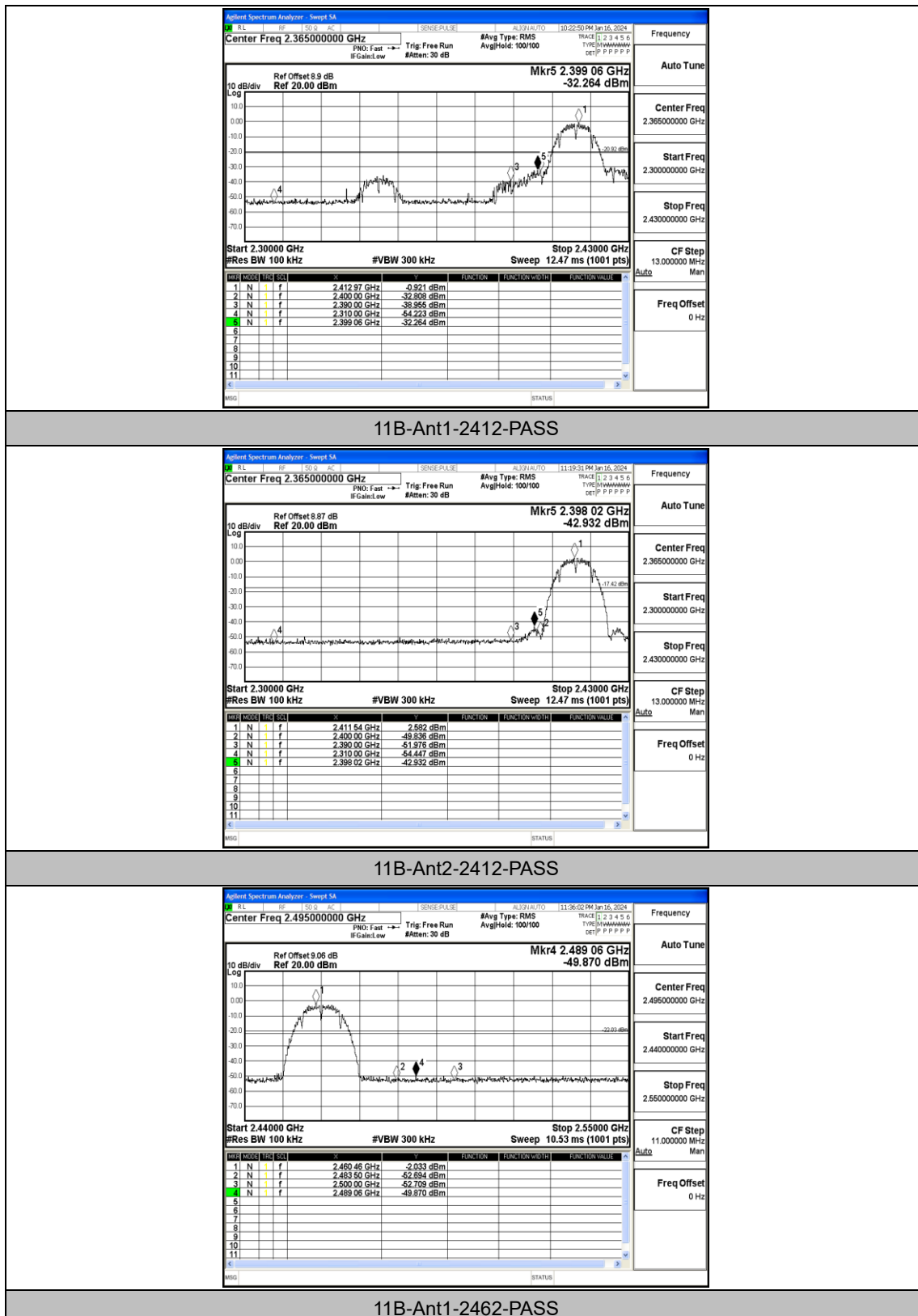
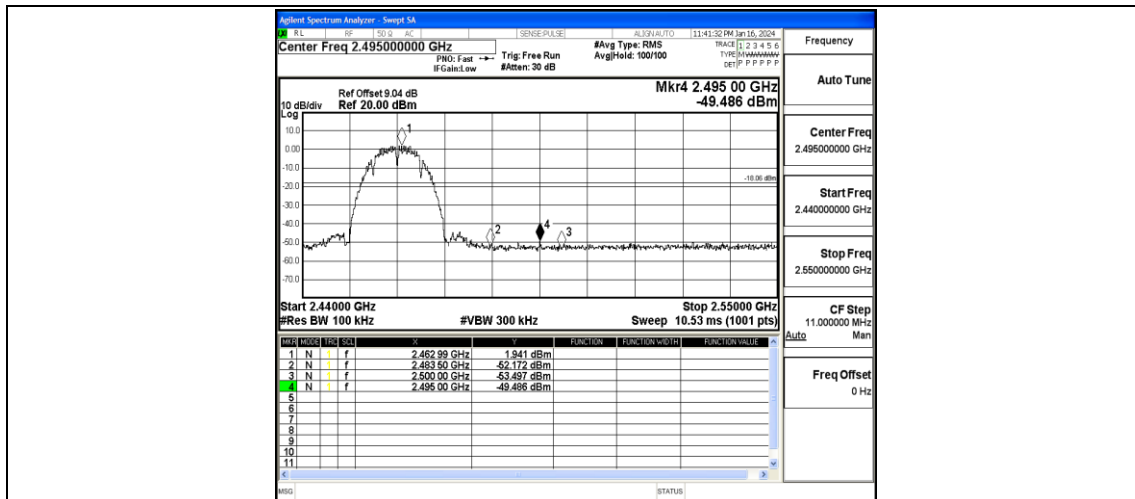
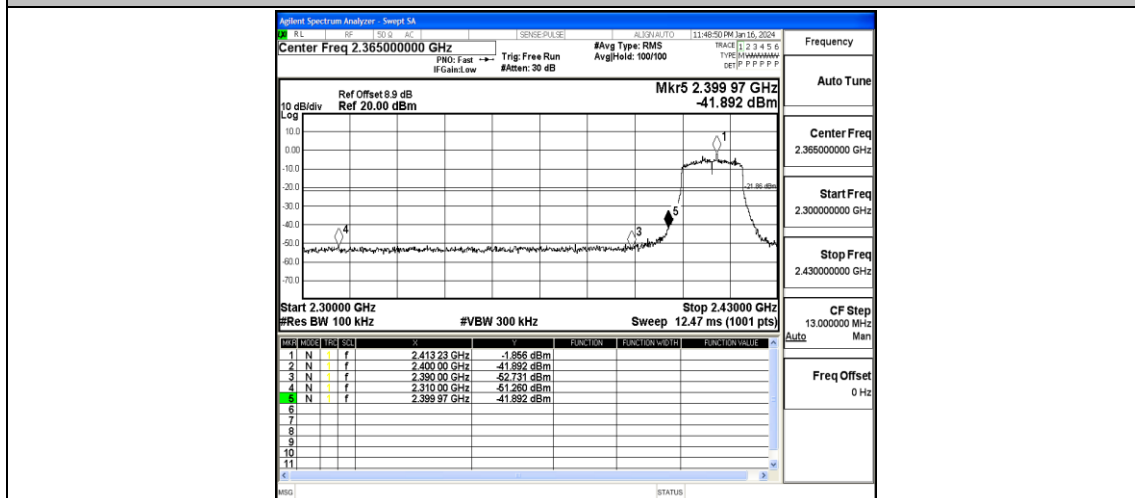


## Test Graphs

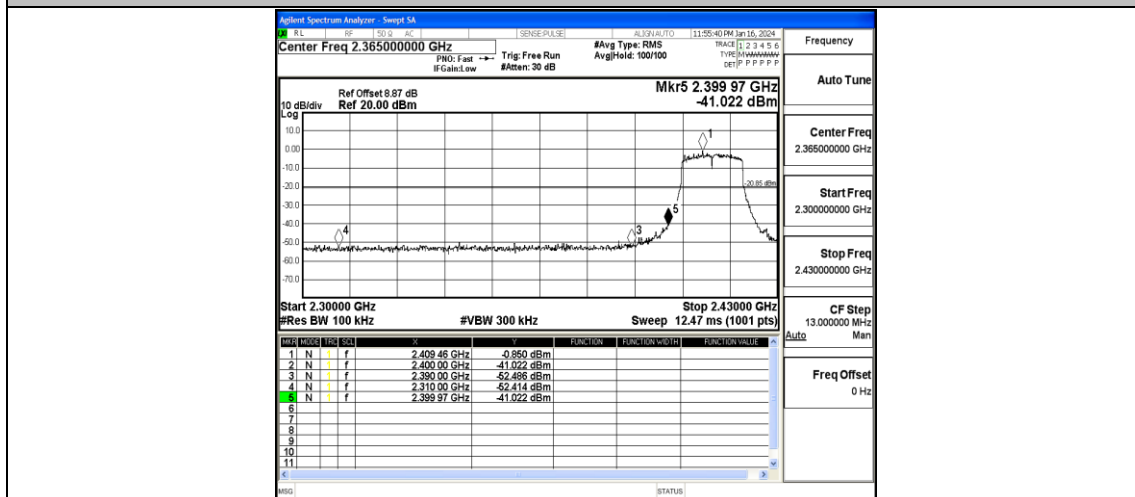




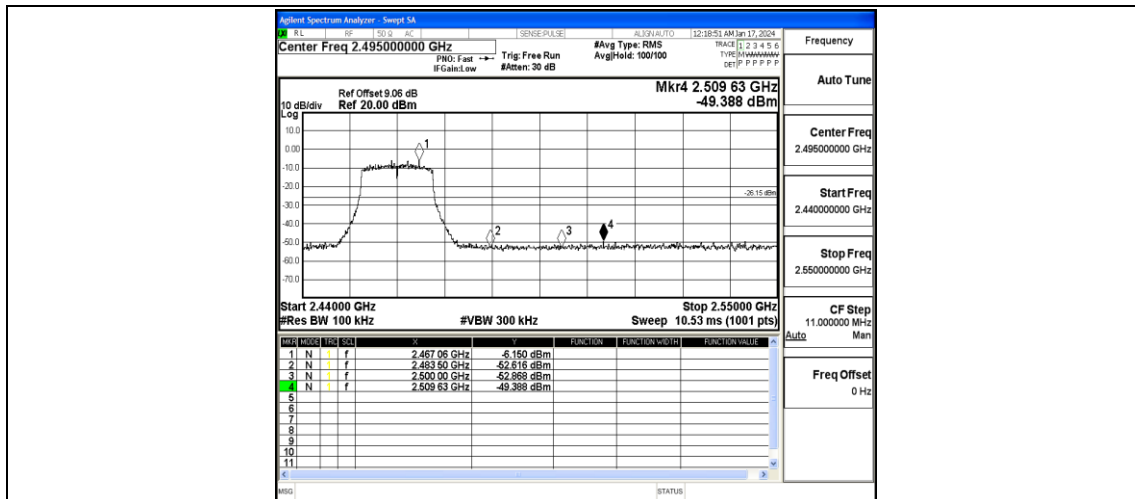
11B-Ant2-2462-PASS



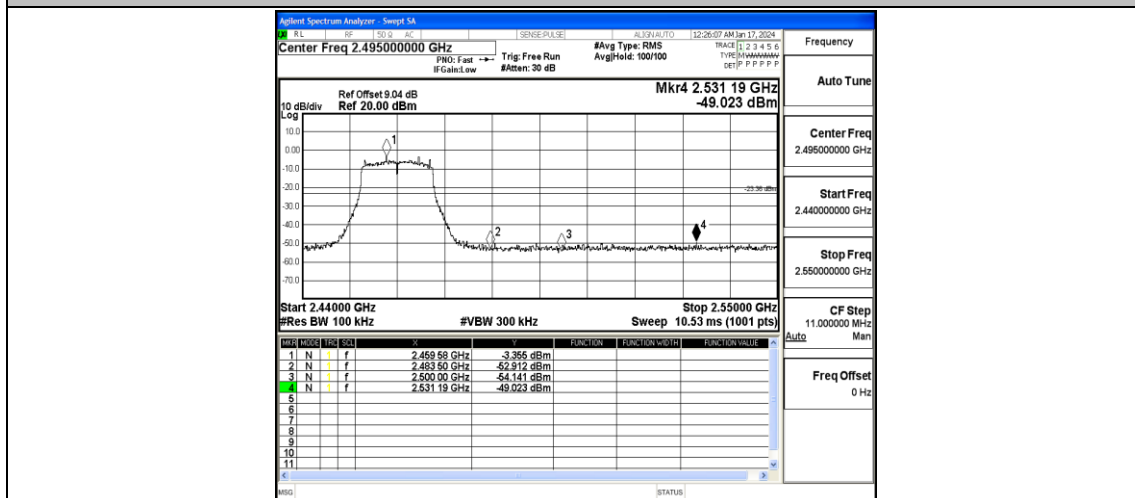
11G-Ant1-2412-PASS



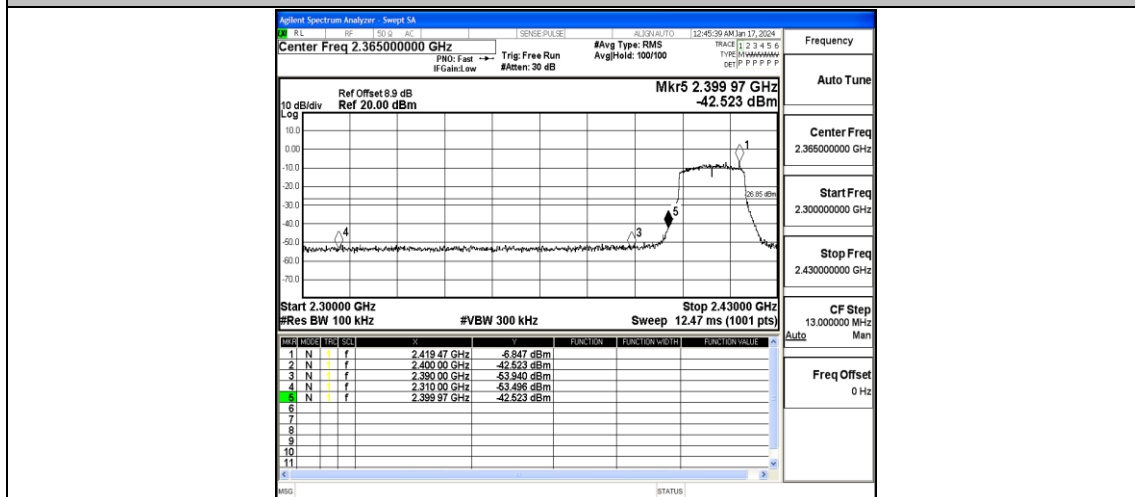
11G-Ant2-2412-PASS



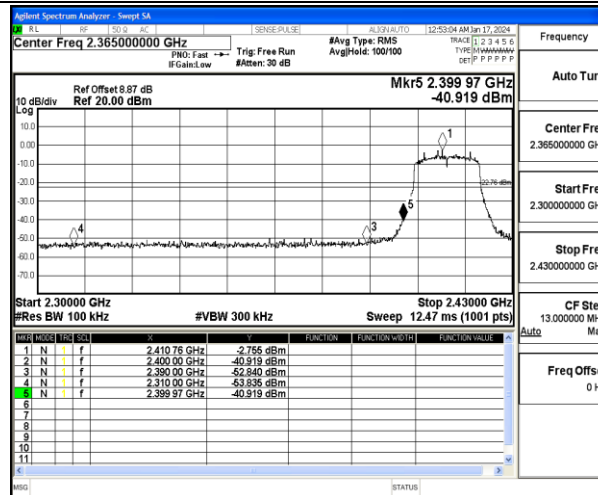
11G-Ant1-2462-PASS



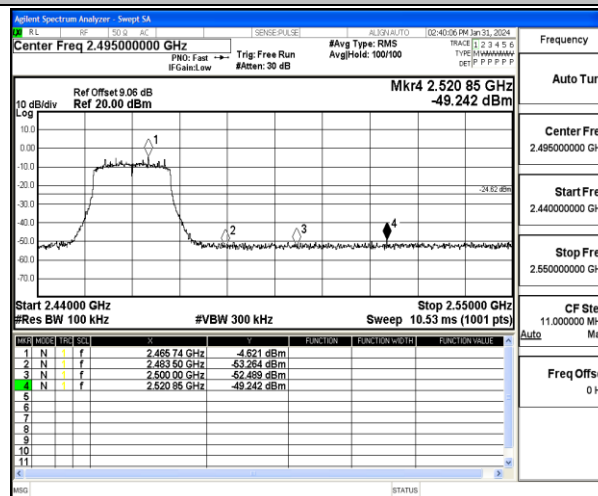
11G-Ant2-2462-PASS



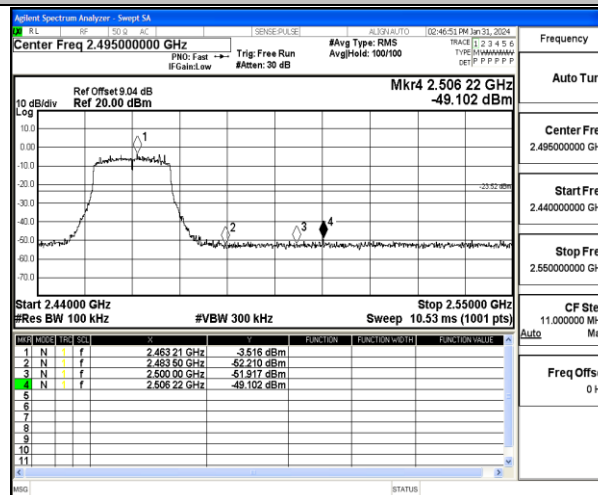
11N20MIMO-Ant1-2412-PASS



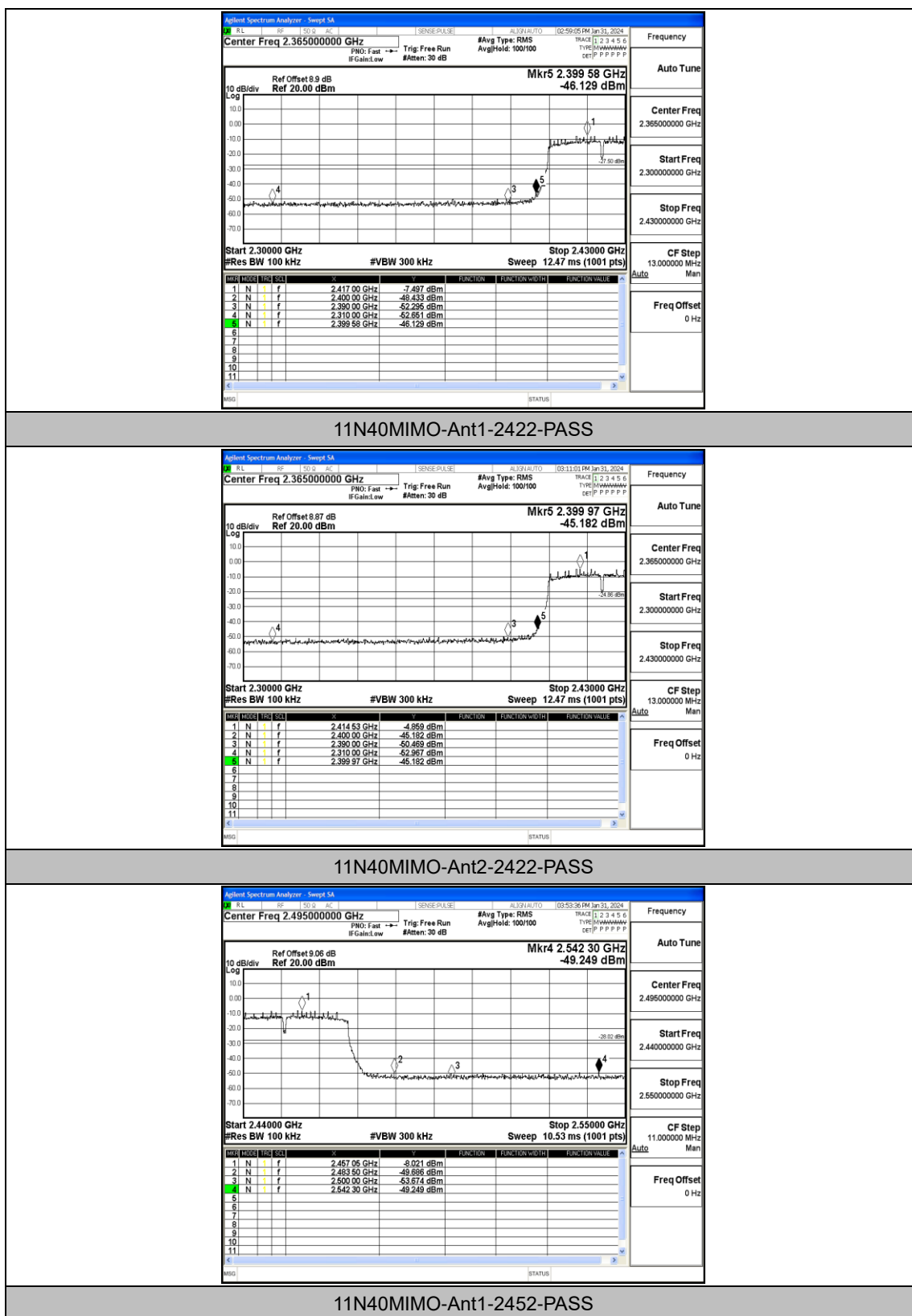
## 11N20MIMO-Ant2-2412-PASS

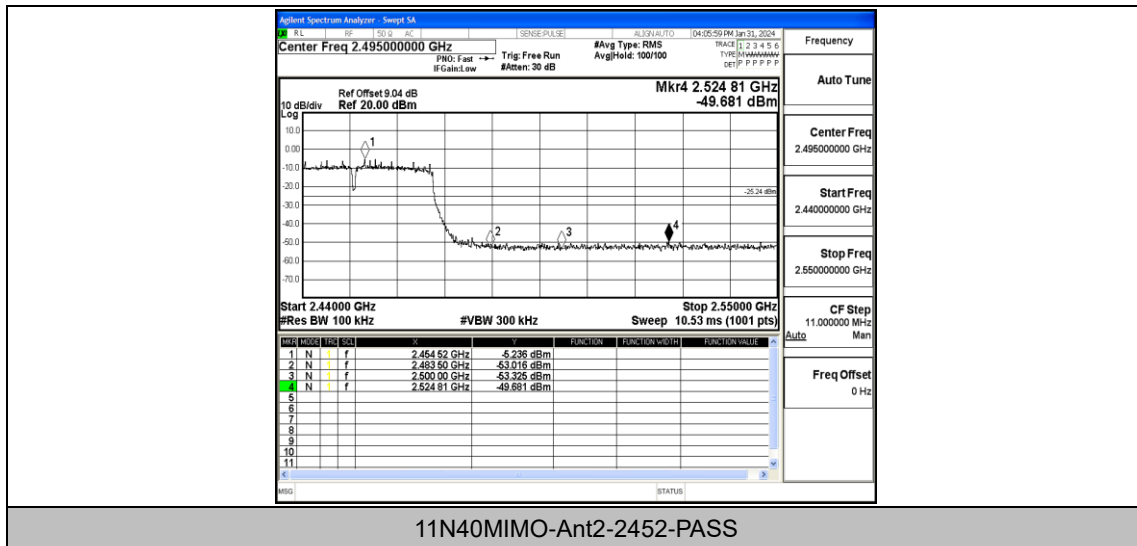


## 11N20MIMO-Ant1-2462-PASS



## 11N20MIMO-Ant2-2462-PASS





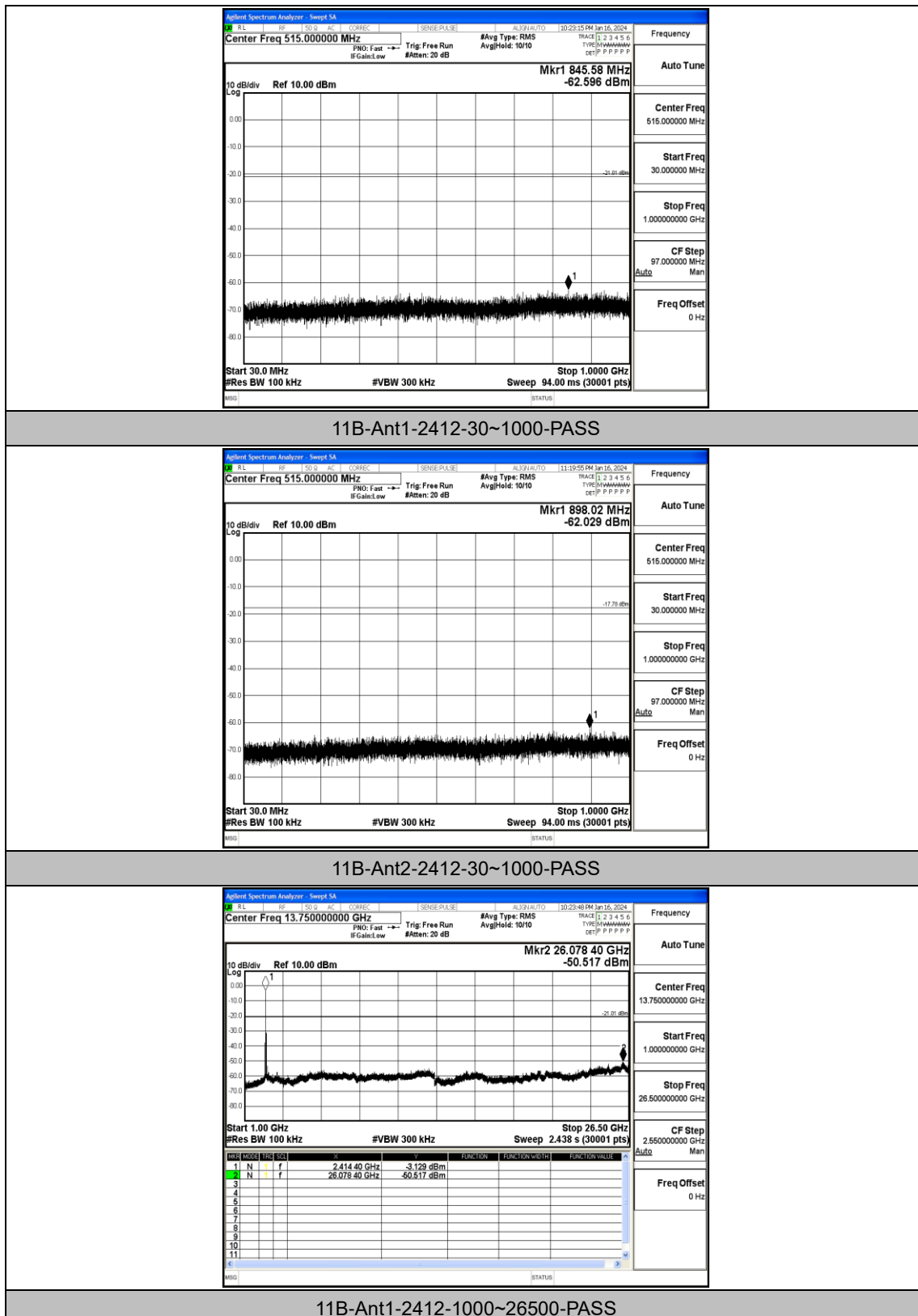
## Appendix F: Conducted Spurious Emission

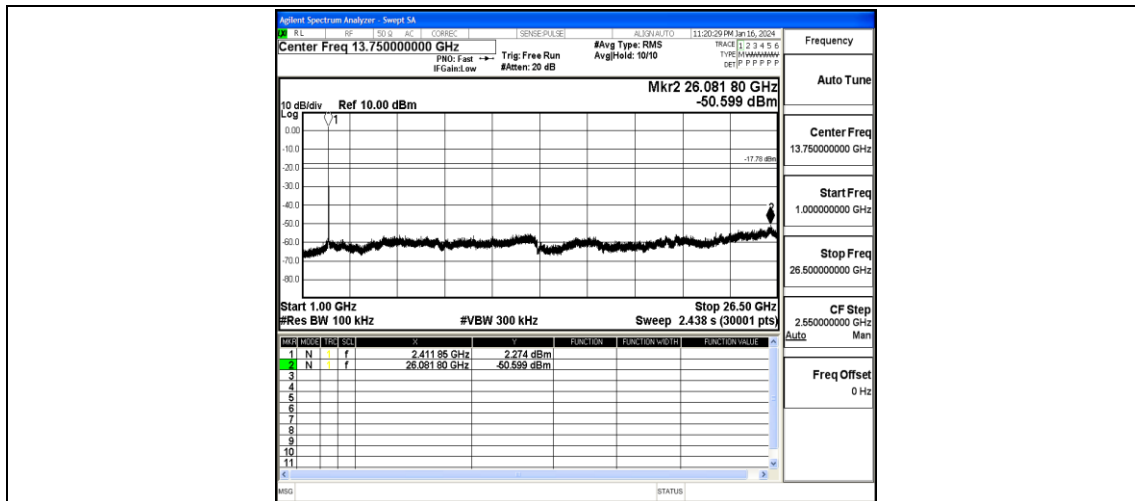
### Test Result

| TestMode  | Antenna | Frequency[MHz] | FreqRange [Mhz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|----------------|-----------------|----------------|--------------|-------------|---------|
| 11B       | Ant1    | 2412           | 30~1000         | -1.01          | -62.6        | ≤-21.01     | PASS    |
| 11B       | Ant2    | 2412           | 30~1000         | 2.22           | -62.03       | ≤-17.78     | PASS    |
| 11B       | Ant1    | 2412           | 1000~26500      | -1.01          | -50.52       | ≤-21.01     | PASS    |
| 11B       | Ant2    | 2412           | 1000~26500      | 2.22           | -50.6        | ≤-17.78     | PASS    |
| 11B       | Ant1    | 2437           | 30~1000         | -2.01          | -62.67       | ≤-22.01     | PASS    |
| 11B       | Ant2    | 2437           | 30~1000         | 1.71           | -63.28       | ≤-18.29     | PASS    |
| 11B       | Ant1    | 2437           | 1000~26500      | -2.01          | -51.27       | ≤-22.01     | PASS    |
| 11B       | Ant2    | 2437           | 1000~26500      | 1.71           | -50.95       | ≤-18.29     | PASS    |
| 11B       | Ant1    | 2462           | 30~1000         | -2.24          | -63.14       | ≤-22.24     | PASS    |
| 11B       | Ant2    | 2462           | 30~1000         | 2.26           | -63.14       | ≤-17.74     | PASS    |
| 11B       | Ant1    | 2462           | 1000~26500      | -2.24          | -50.49       | ≤-22.24     | PASS    |
| 11B       | Ant2    | 2462           | 1000~26500      | 2.26           | -49.65       | ≤-17.74     | PASS    |
| 11G       | Ant1    | 2412           | 30~1000         | -3.46          | -62.39       | ≤-23.46     | PASS    |
| 11G       | Ant2    | 2412           | 30~1000         | -0.27          | -63.28       | ≤-20.27     | PASS    |
| 11G       | Ant1    | 2412           | 1000~26500      | -3.46          | -51.2        | ≤-23.46     | PASS    |
| 11G       | Ant2    | 2412           | 1000~26500      | -0.27          | -50.79       | ≤-20.27     | PASS    |
| 11G       | Ant1    | 2437           | 30~1000         | -6.22          | -62.87       | ≤-26.22     | PASS    |
| 11G       | Ant2    | 2437           | 30~1000         | -2.88          | -62.38       | ≤-22.88     | PASS    |
| 11G       | Ant1    | 2437           | 1000~26500      | -6.22          | -49.99       | ≤-26.22     | PASS    |
| 11G       | Ant2    | 2437           | 1000~26500      | -2.88          | -50.81       | ≤-22.88     | PASS    |
| 11G       | Ant1    | 2462           | 30~1000         | -5.87          | -63.17       | ≤-25.87     | PASS    |
| 11G       | Ant2    | 2462           | 30~1000         | -3.20          | -62.66       | ≤-23.2      | PASS    |
| 11G       | Ant1    | 2462           | 1000~26500      | -5.87          | -50.75       | ≤-25.87     | PASS    |
| 11G       | Ant2    | 2462           | 1000~26500      | -3.20          | -51.34       | ≤-23.2      | PASS    |
| 11N20MIMO | Ant1    | 2412           | 30~1000         | -5.68          | -62.76       | ≤-25.68     | PASS    |
| 11N20MIMO | Ant2    | 2412           | 30~1000         | -2.85          | -62.81       | ≤-22.85     | PASS    |
| 11N20MIMO | Ant1    | 2412           | 1000~26500      | -5.68          | -51.11       | ≤-25.68     | PASS    |
| 11N20MIMO | Ant2    | 2412           | 1000~26500      | -2.85          | -50.03       | ≤-22.85     | PASS    |
| 11N20MIMO | Ant1    | 2437           | 30~1000         | -6.10          | -62.95       | ≤-26.1      | PASS    |
| 11N20MIMO | Ant2    | 2437           | 30~1000         | -2.82          | -62.39       | ≤-22.82     | PASS    |
| 11N20MIMO | Ant1    | 2437           | 1000~26500      | -6.10          | -51.12       | ≤-26.1      | PASS    |
| 11N20MIMO | Ant2    | 2437           | 1000~26500      | -2.82          | -51.34       | ≤-22.82     | PASS    |
| 11N20MIMO | Ant1    | 2462           | 30~1000         | -4.00          | -63.01       | ≤-24        | PASS    |
| 11N20MIMO | Ant2    | 2462           | 30~1000         | -1.90          | -63.13       | ≤-21.9      | PASS    |
| 11N20MIMO | Ant1    | 2462           | 1000~26500      | -4.00          | -50.45       | ≤-24        | PASS    |
| 11N20MIMO | Ant2    | 2462           | 1000~26500      | -1.90          | -50.99       | ≤-21.9      | PASS    |
| 11N40MIMO | Ant1    | 2422           | 30~1000         | -7.40          | -61.95       | ≤-27.4      | PASS    |
| 11N40MIMO | Ant2    | 2422           | 30~1000         | -4.65          | -63.73       | ≤-24.65     | PASS    |
| 11N40MIMO | Ant1    | 2422           | 1000~26500      | -7.40          | -49.62       | ≤-27.4      | PASS    |
| 11N40MIMO | Ant2    | 2422           | 1000~26500      | -4.65          | -51.4        | ≤-24.65     | PASS    |
| 11N40MIMO | Ant1    | 2437           | 30~1000         | -7.85          | -62.39       | ≤-27.85     | PASS    |

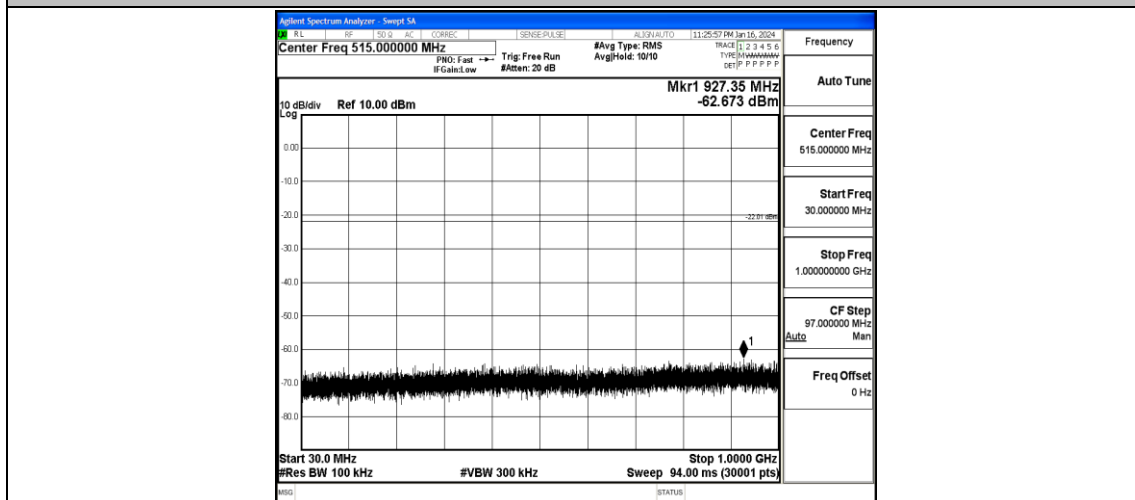
|           |      |      |            |       |        |         |      |
|-----------|------|------|------------|-------|--------|---------|------|
| 11N40MIMO | Ant2 | 2437 | 30~1000    | -5.43 | -62.1  | ≤-25.43 | PASS |
| 11N40MIMO | Ant1 | 2437 | 1000~26500 | -7.85 | -50.1  | ≤-27.85 | PASS |
| 11N40MIMO | Ant2 | 2437 | 1000~26500 | -5.43 | -50.65 | ≤-25.43 | PASS |
| 11N40MIMO | Ant1 | 2452 | 30~1000    | -8.18 | -62.04 | ≤-28.18 | PASS |
| 11N40MIMO | Ant2 | 2452 | 30~1000    | -5.29 | -63.1  | ≤-25.29 | PASS |
| 11N40MIMO | Ant1 | 2452 | 1000~26500 | -8.18 | -50.87 | ≤-28.18 | PASS |
| 11N40MIMO | Ant2 | 2452 | 1000~26500 | -5.29 | -50.74 | ≤-25.29 | PASS |

## Test Graphs

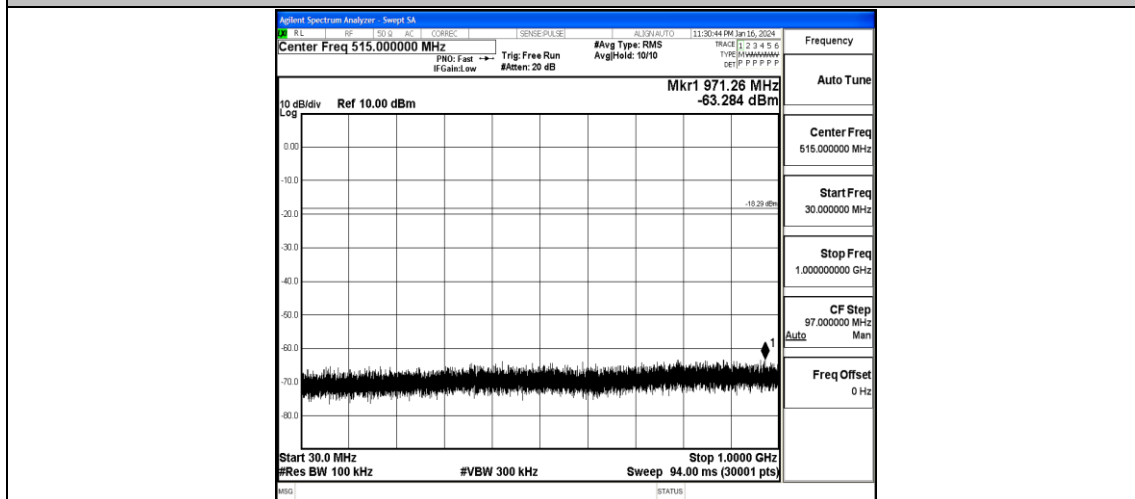




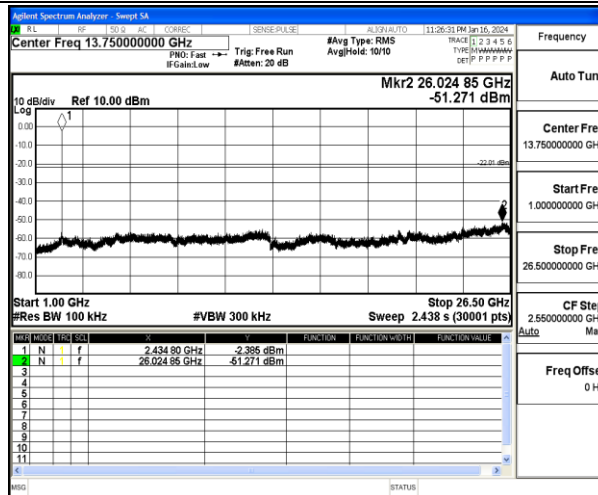
11B-Ant2-2412-1000~26500-PASS



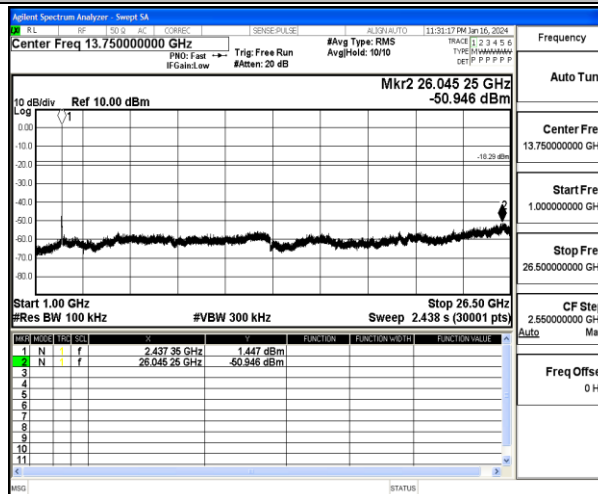
11B-Ant1-2437-30~1000-PASS



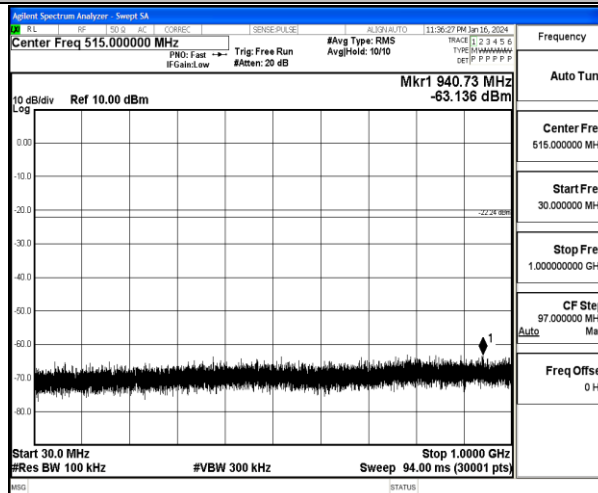
11B-Ant2-2437-30~1000-PASS



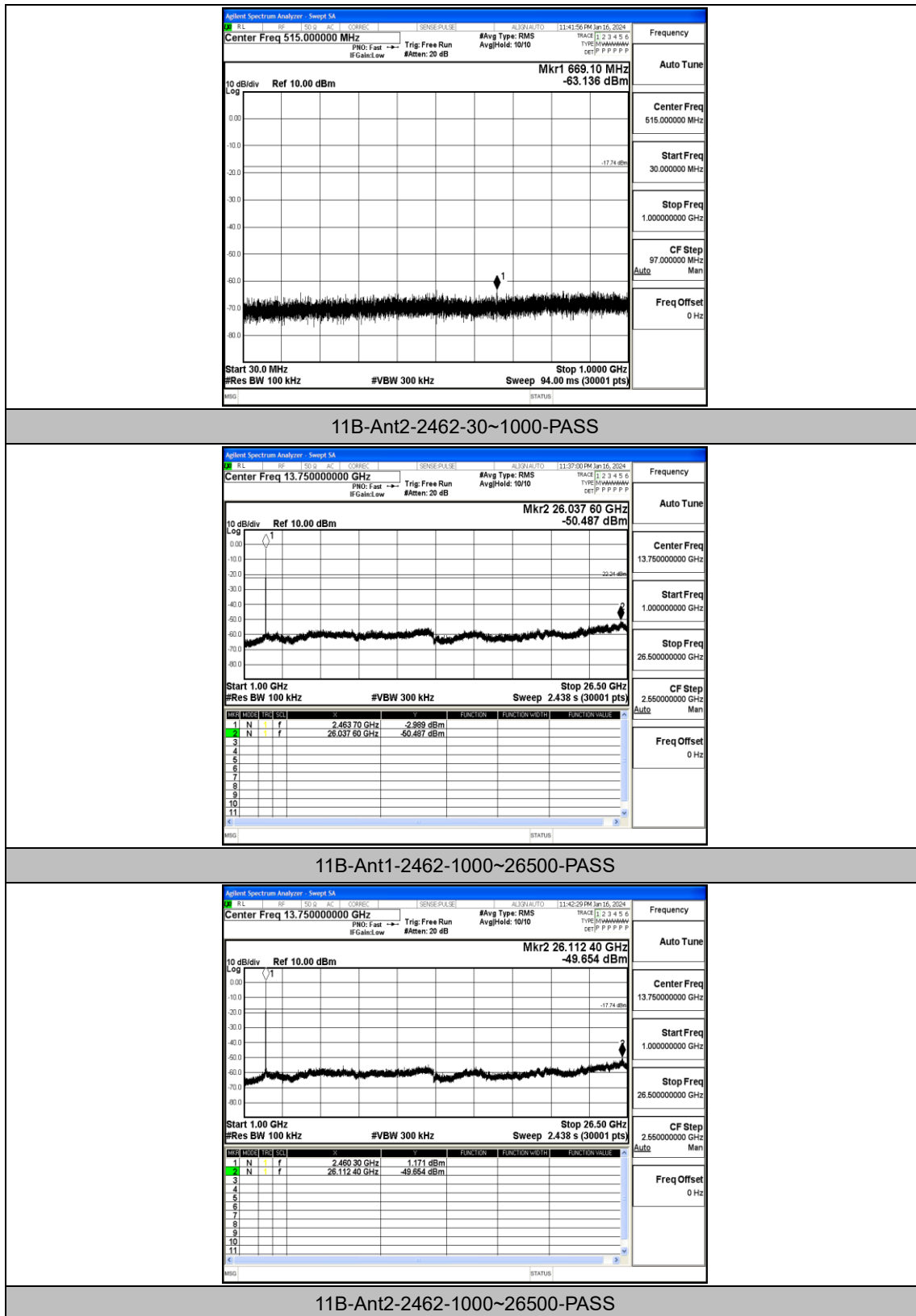
11B-Ant1-2437-1000~26500-PASS

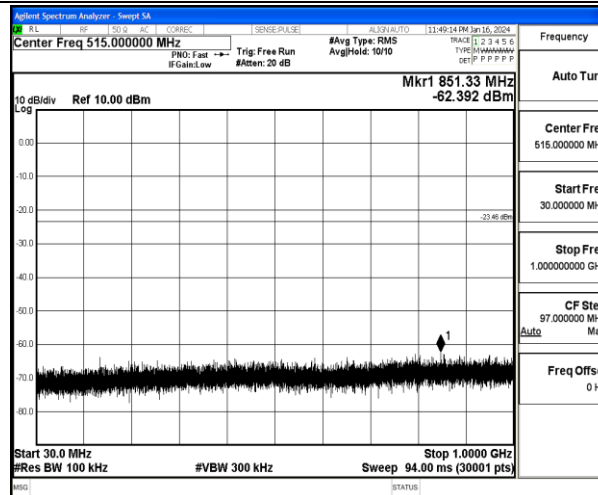


11B-Ant2-2437-1000~26500-PASS

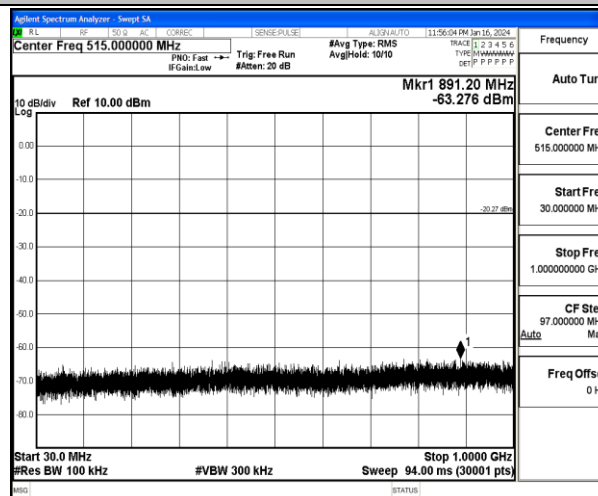


11B-Ant1-2462-30~1000-PASS

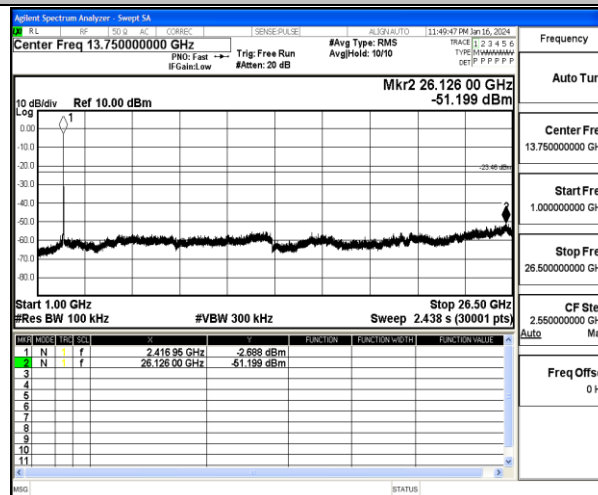




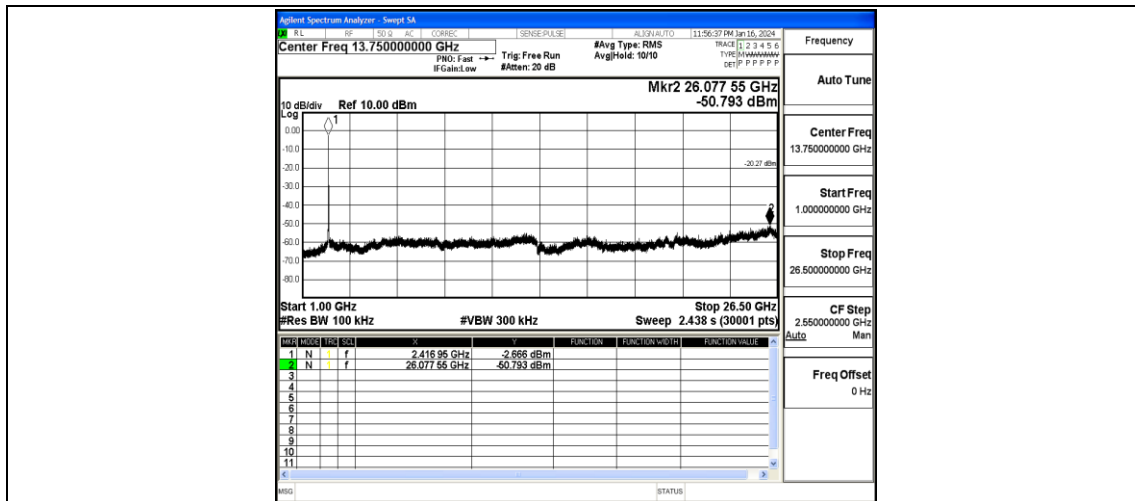
11G-Ant1-2412-30~1000-PASS



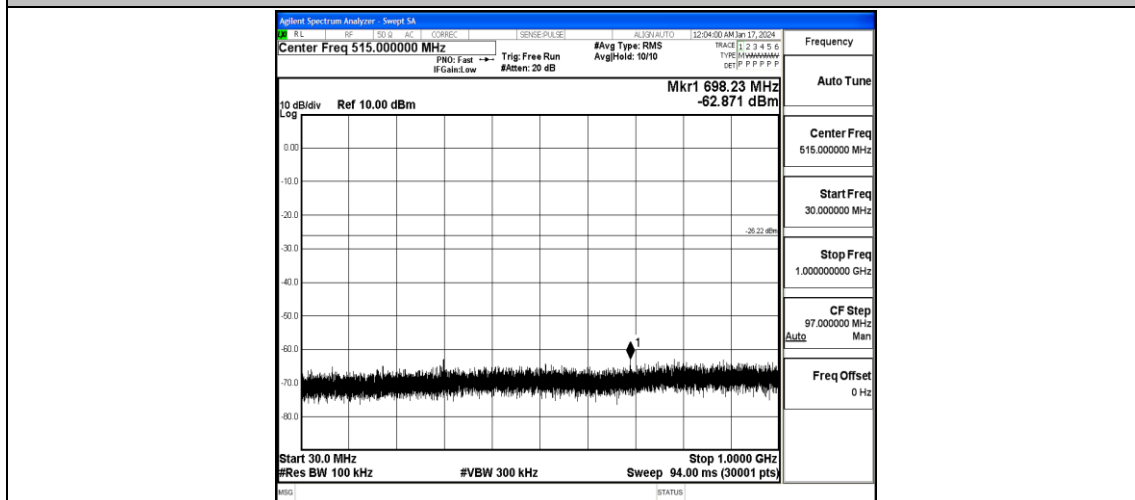
11G-Ant2-2412-30~1000-PASS



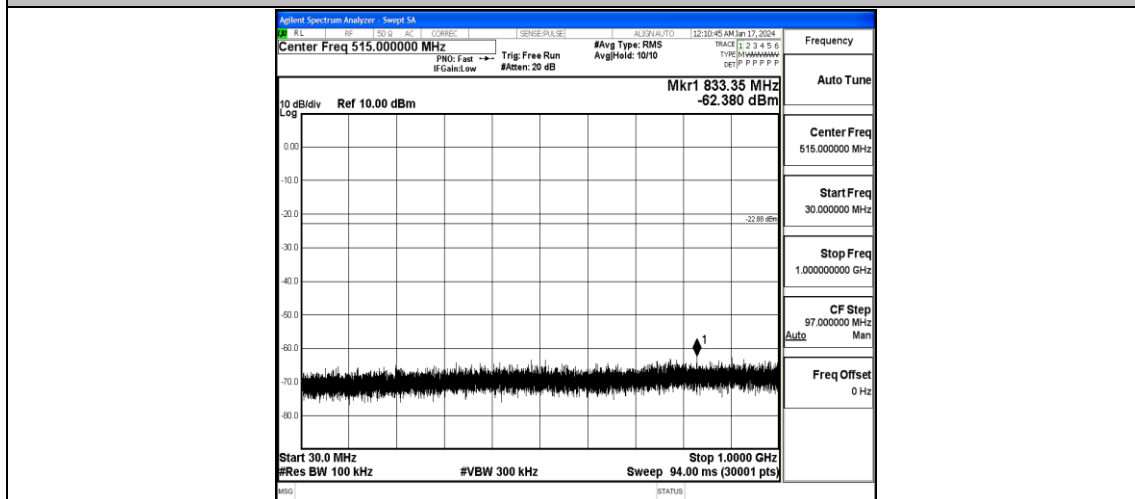
11G-Ant1-2412-1000~26500-PASS



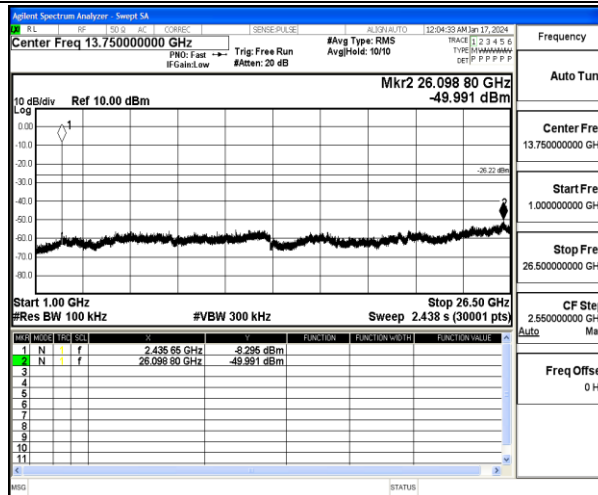
11G-Ant2-2412-1000~26500-PASS



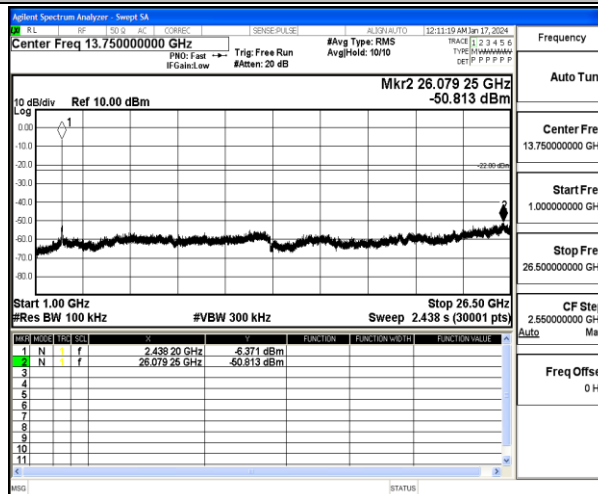
11G-Ant1-2437-30~1000-PASS



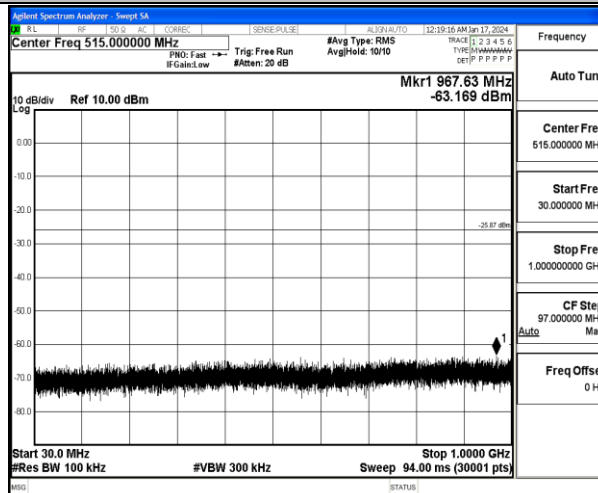
11G-Ant2-2437-30~1000-PASS



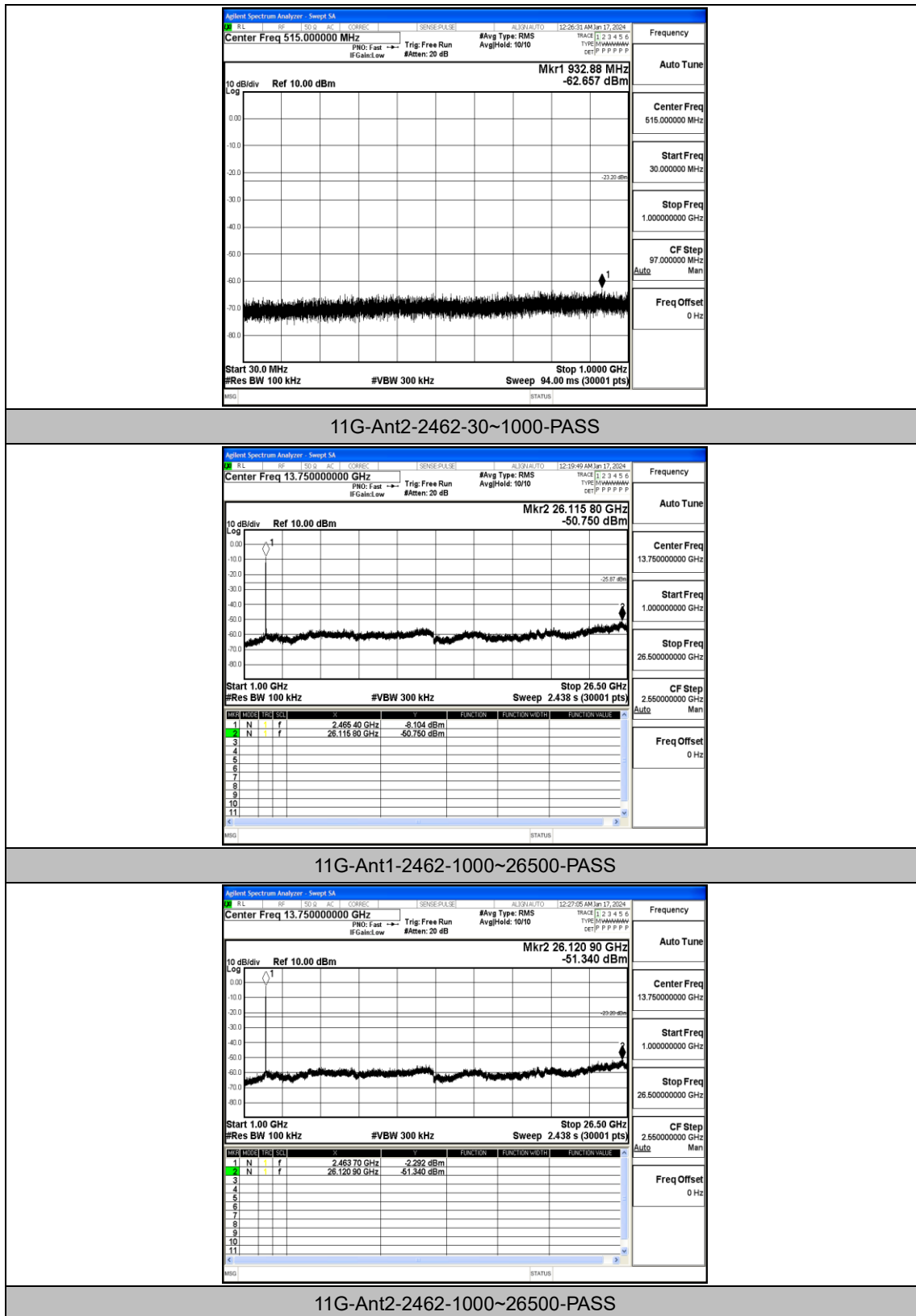
11G-Ant1-2437-1000~26500-PASS

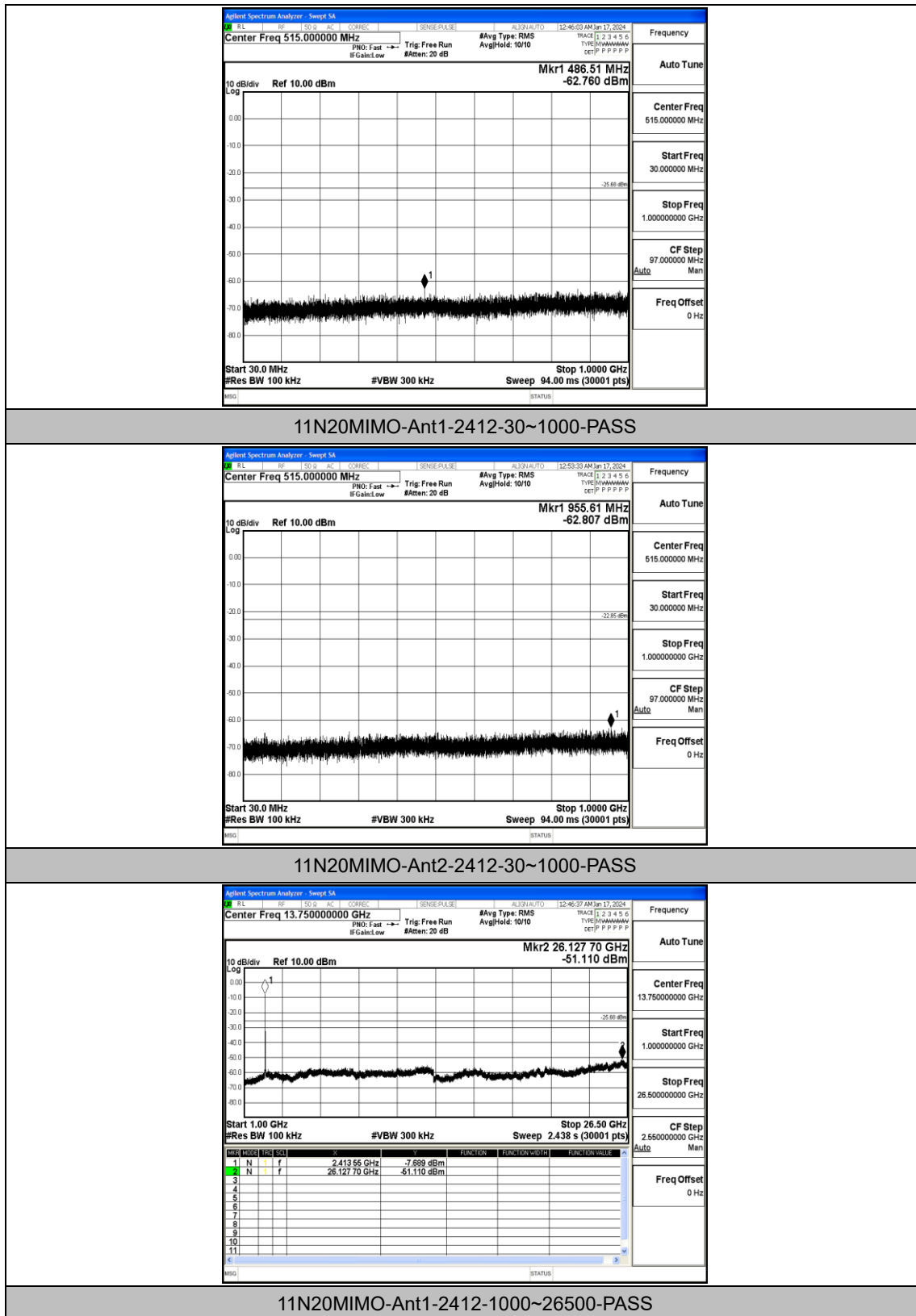


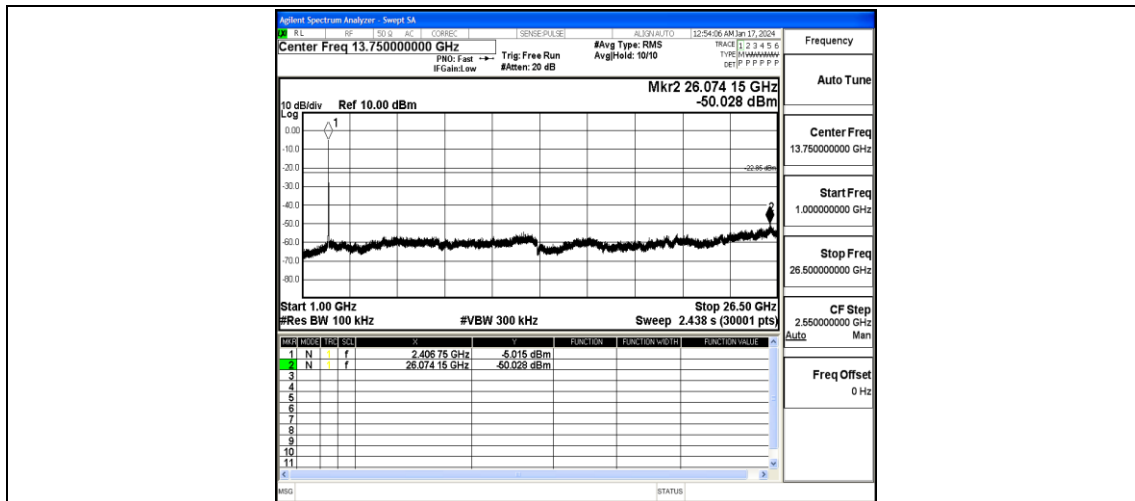
11G-Ant2-2437-1000~26500-PASS



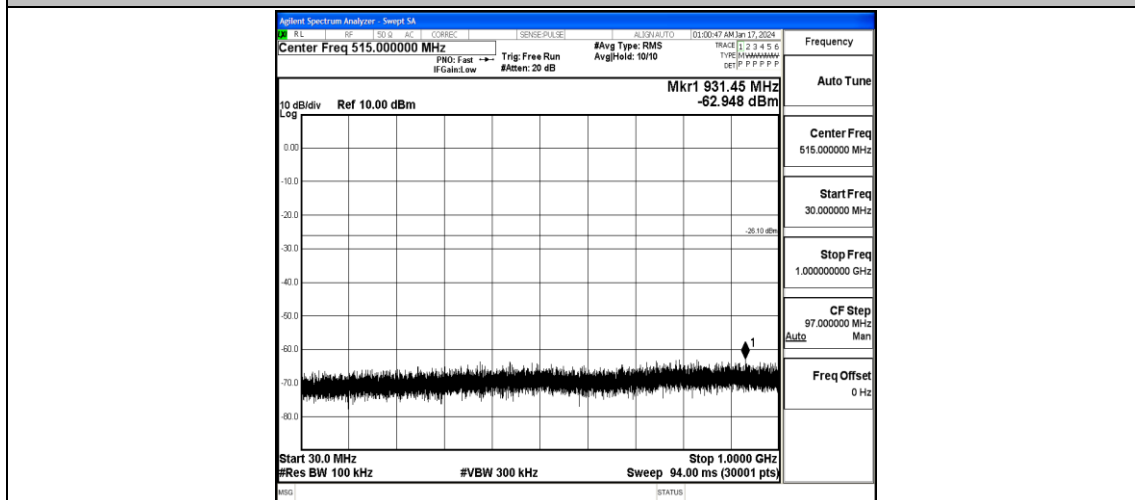
11G-Ant1-2462-30~1000-PASS



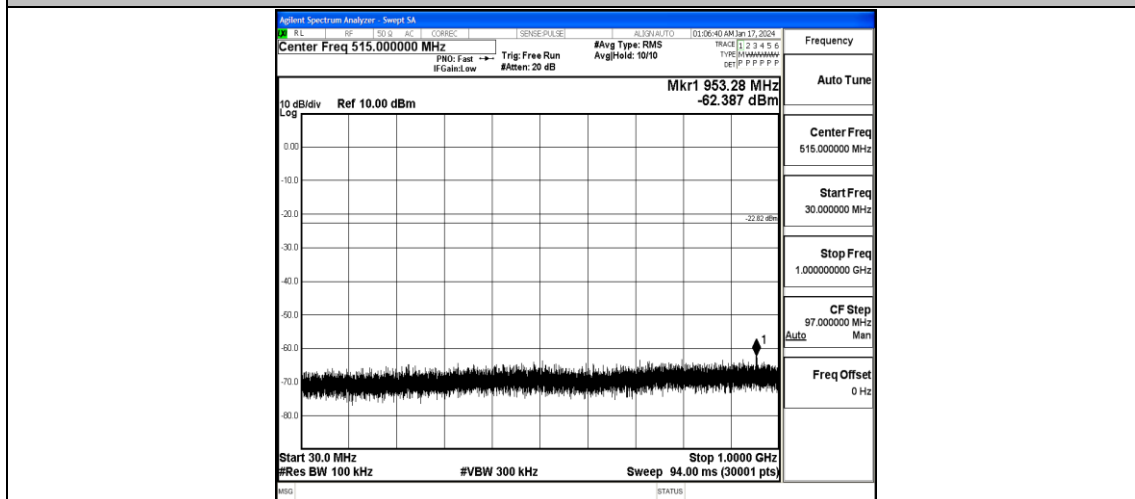




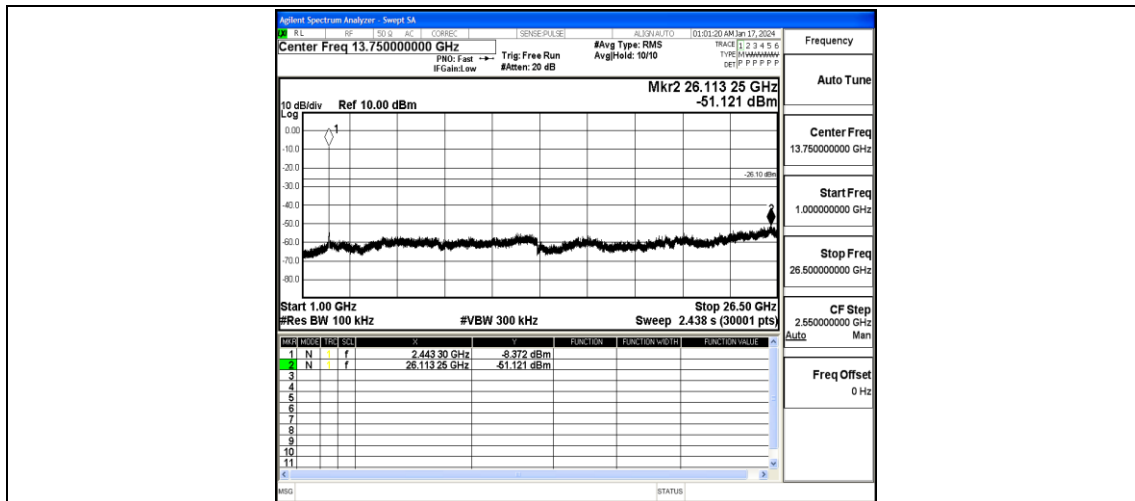
## 11N20MIMO-Ant2-2412-1000~26500-PASS



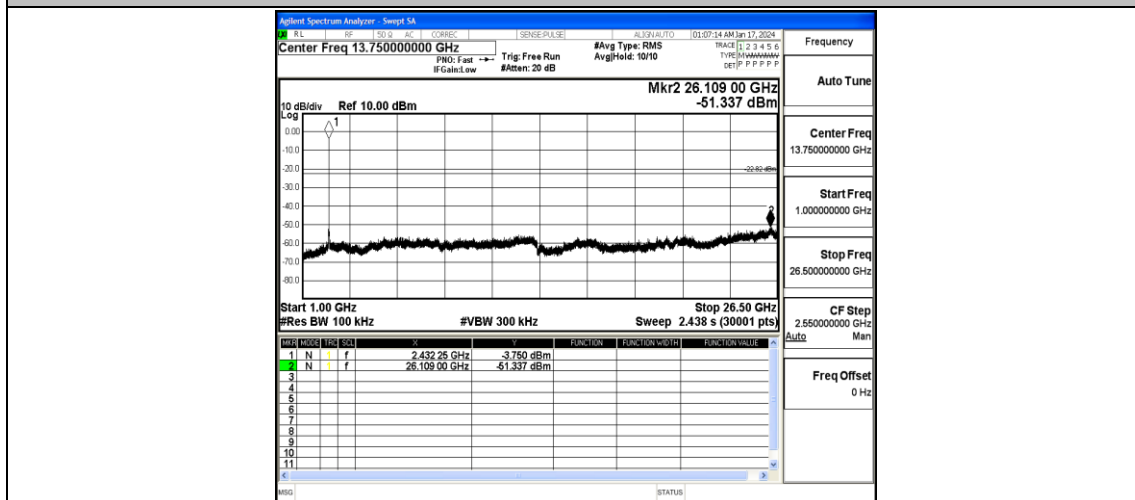
## 11N20MIMO-Ant1-2437-30~1000-PASS



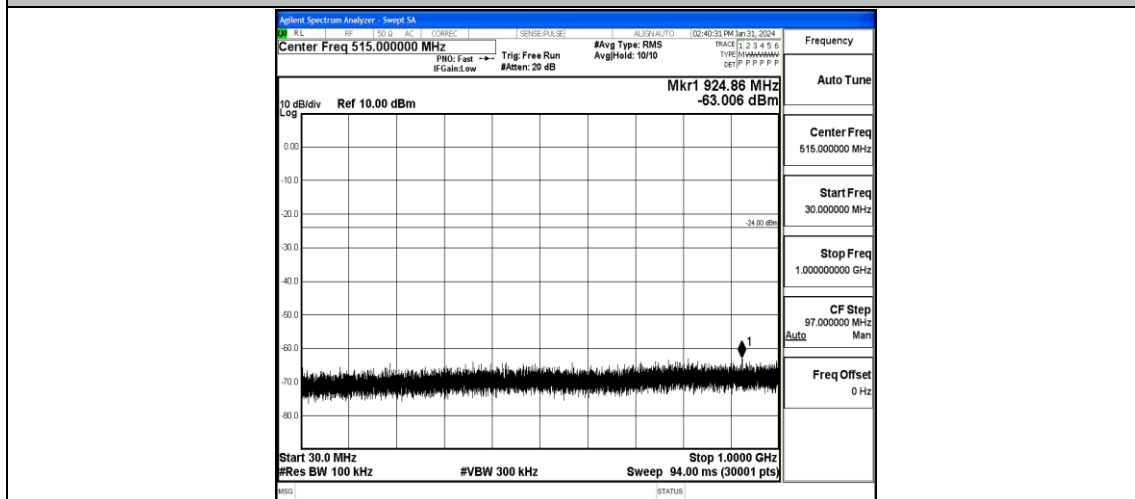
## 11N20MIMO-Ant2-2437-30~1000-PASS



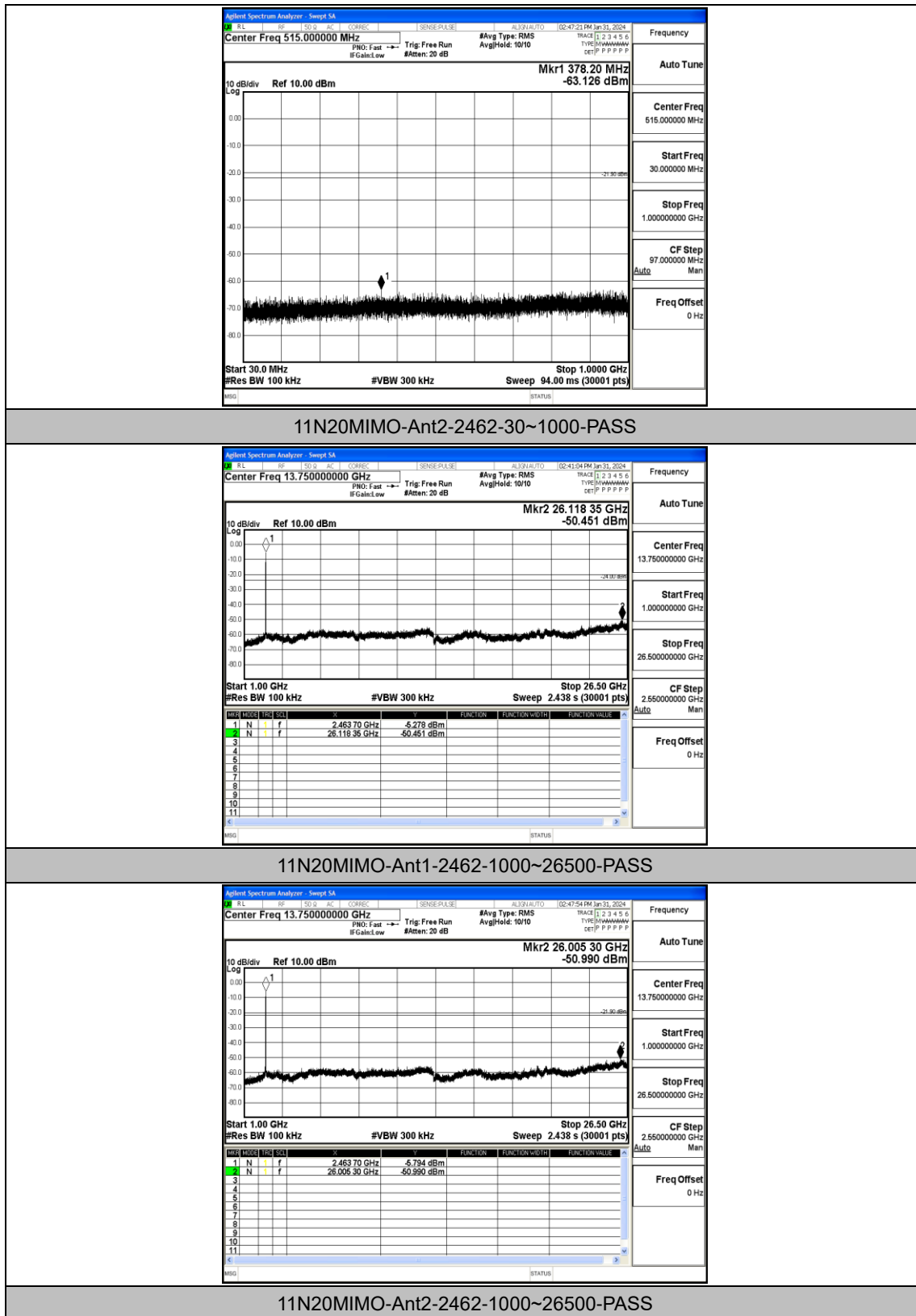
11N20MIMO-Ant1-2437-1000~26500-PASS

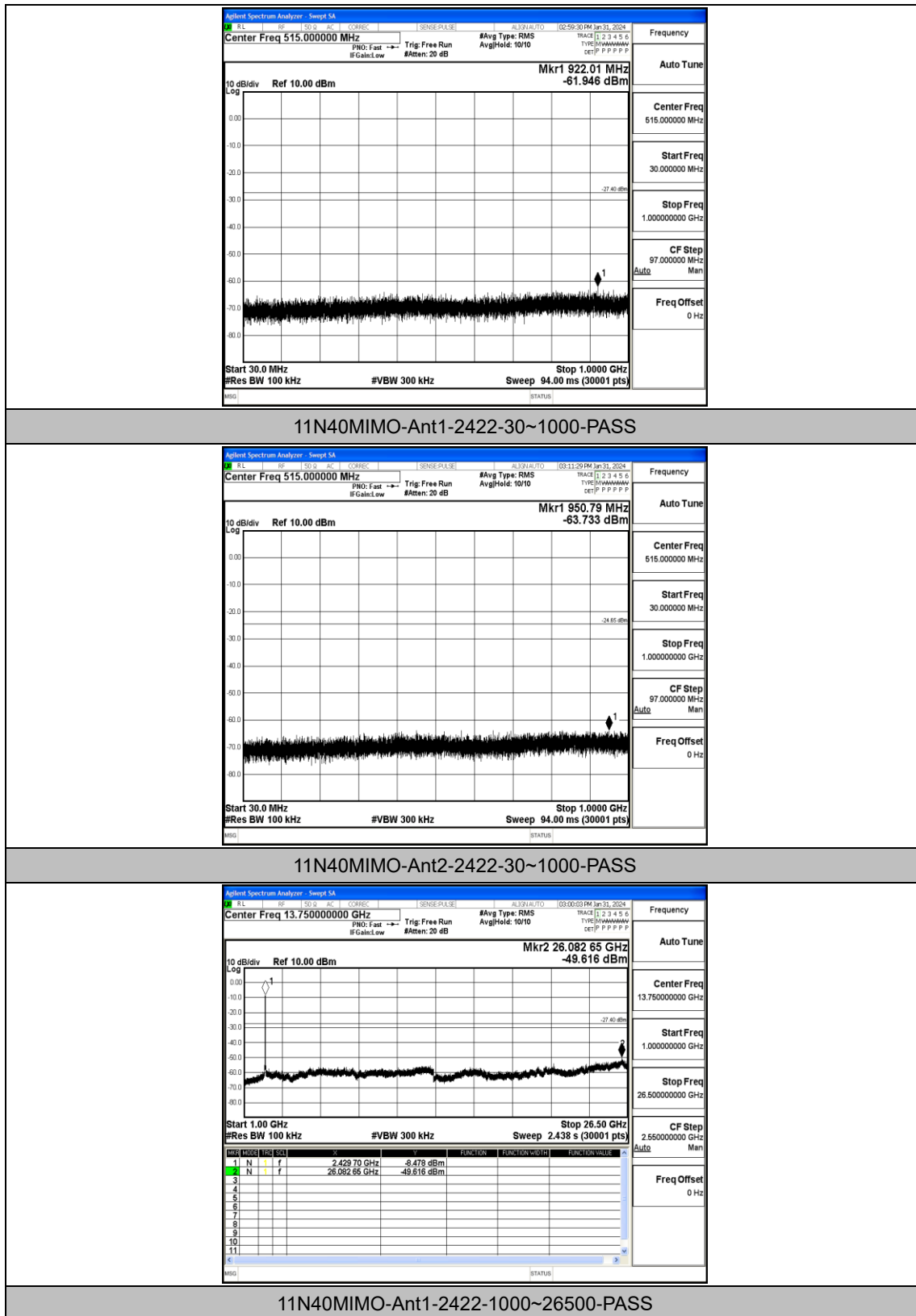


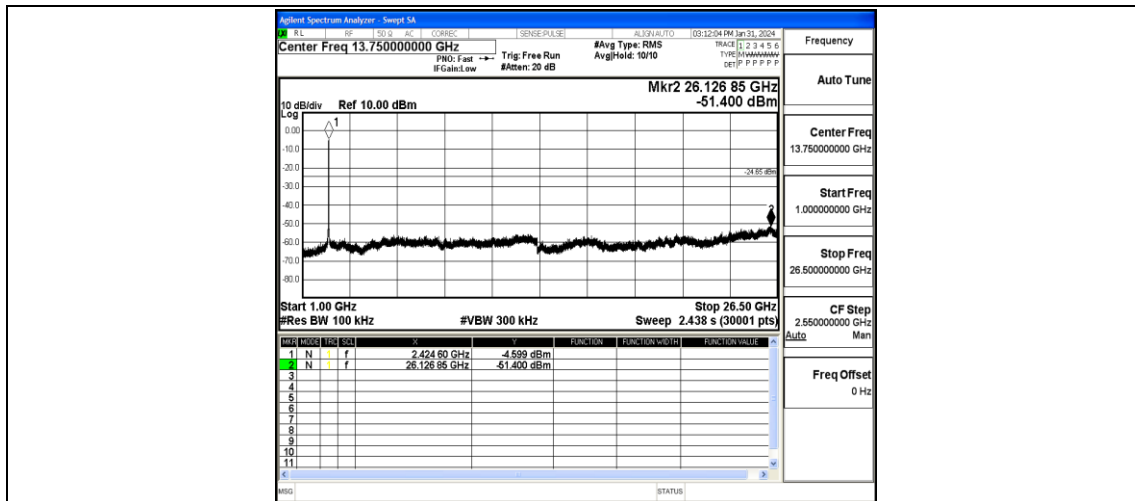
11N20MIMO-Ant2-2437-1000~26500-PASS



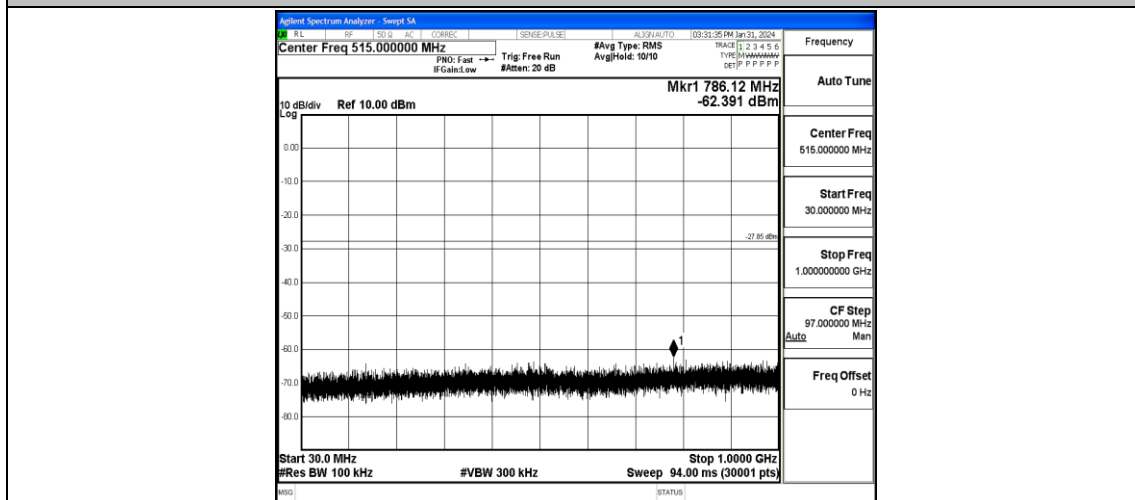
11N20MIMO-Ant1-2462-30~1000-PASS



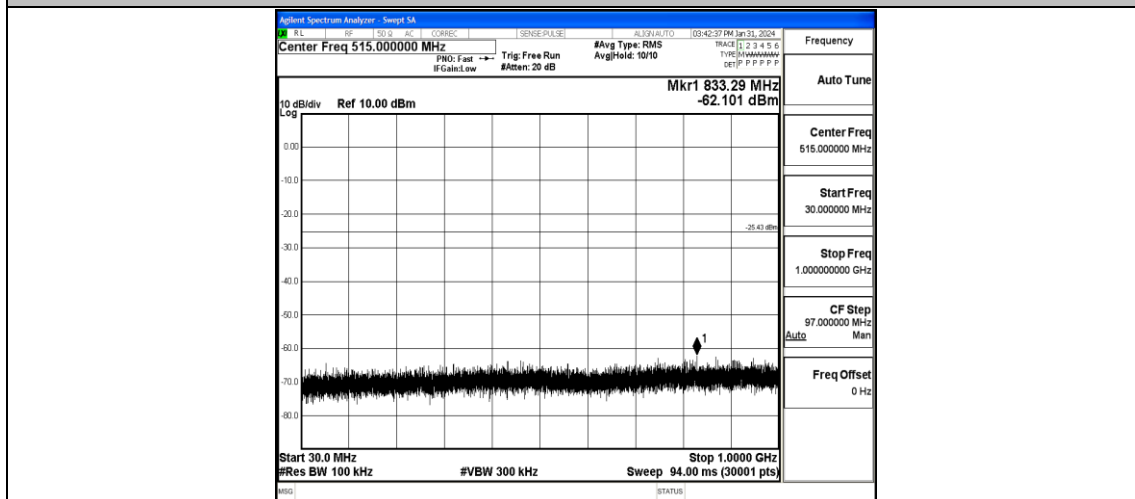




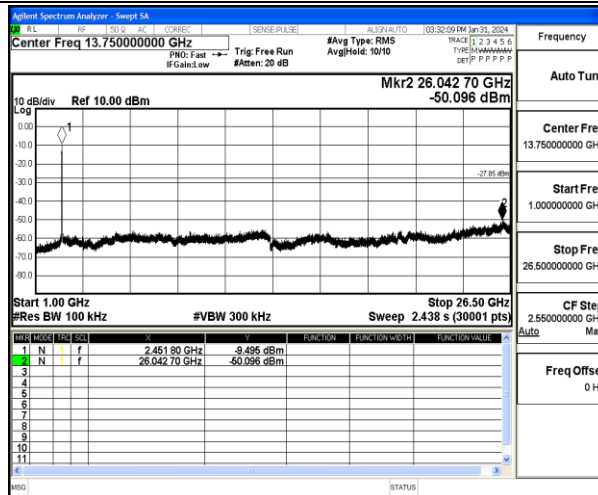
## 11N40MIMO-Ant2-2422-1000~26500-PASS



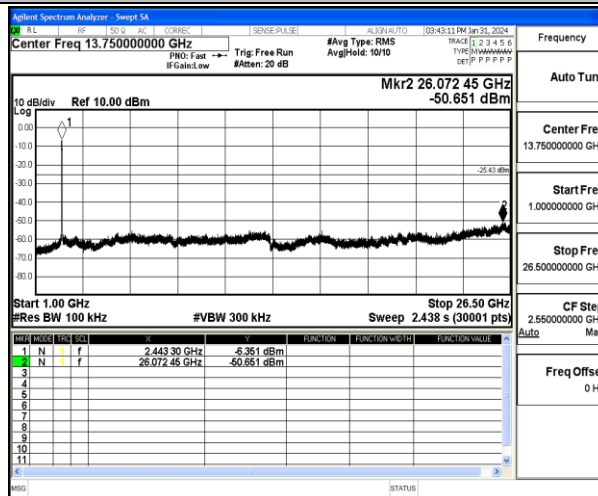
## 11N40MIMO-Ant1-2437-30~1000-PASS



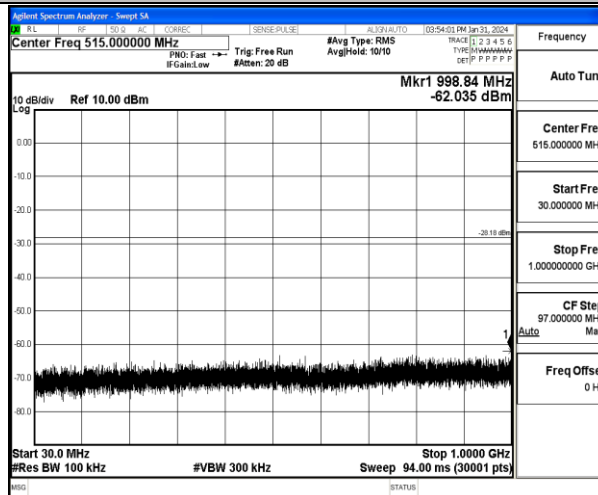
## 11N40MIMO-Ant2-2437-30~1000-PASS



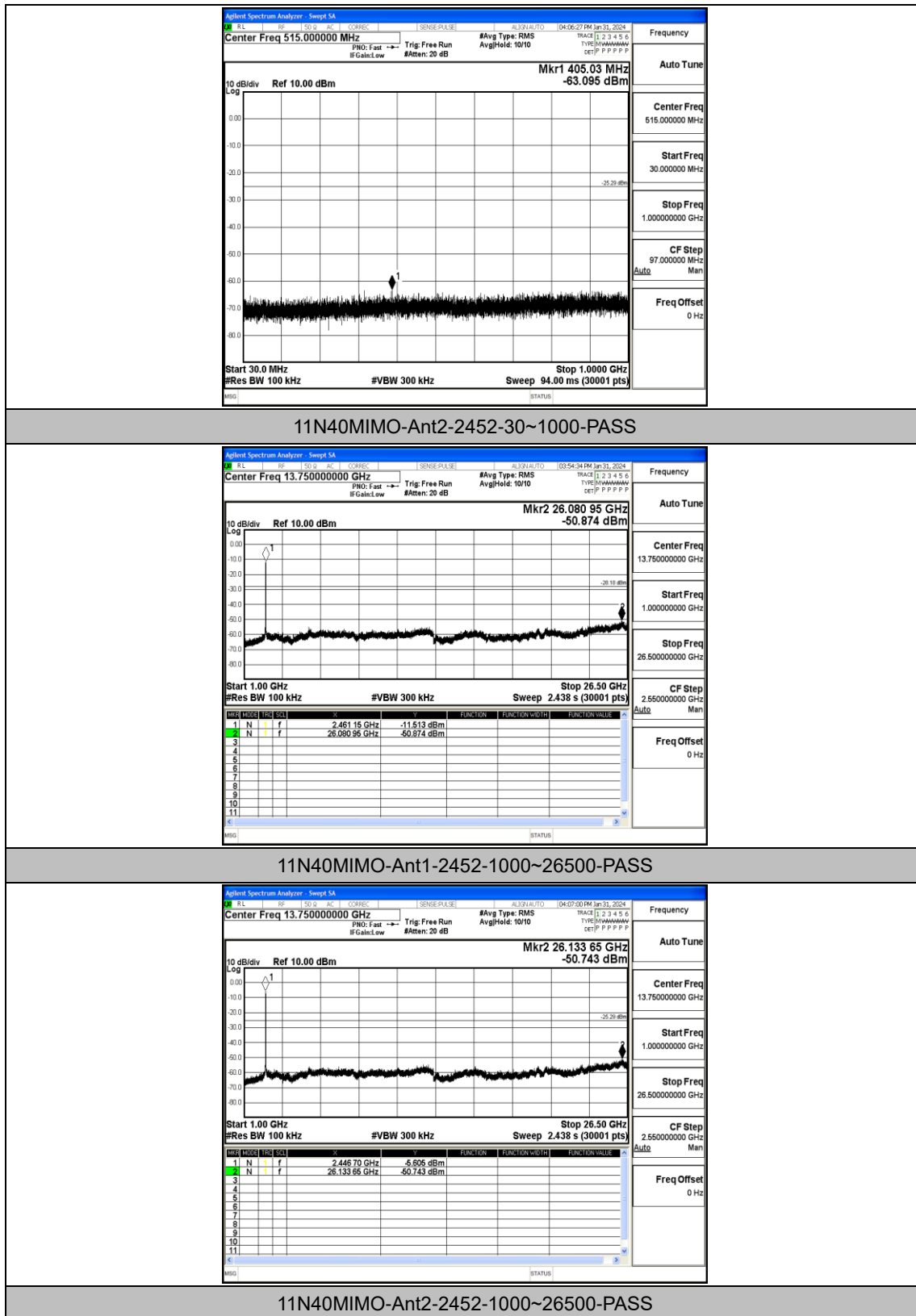
## 11N40MIMO-Ant1-2437-1000~26500-PASS



## 11N40MIMO-Ant2-2437-1000~26500-PASS



## 11N40MIMO-Ant1-2452-30~1000-PASS

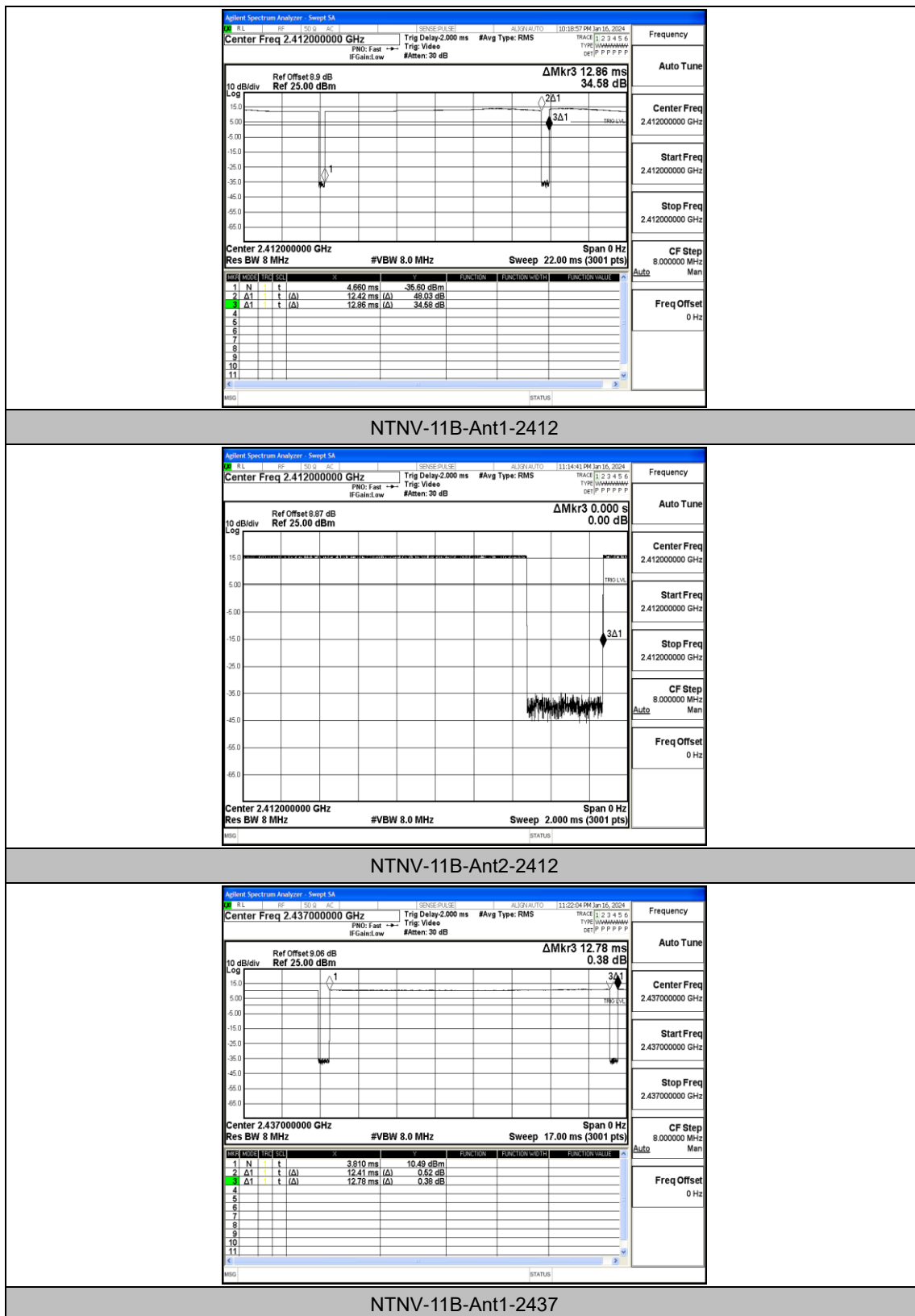


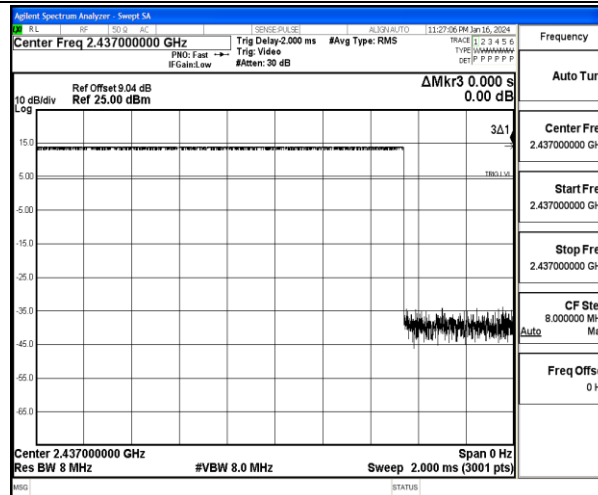
## Appendix G: Duty Cycle

### Test Result

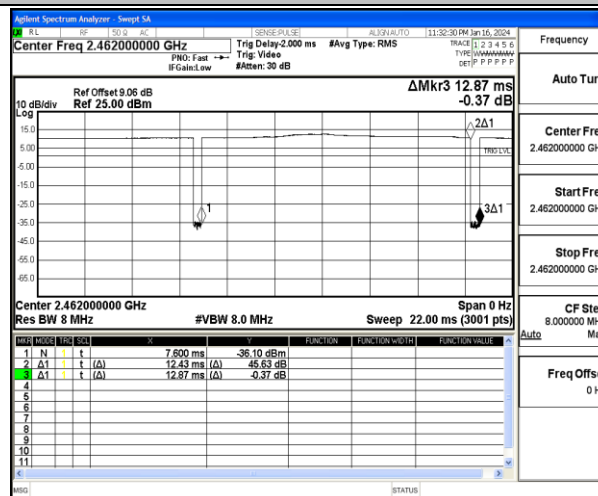
| TestMode  | Antenna | Frequency[MHz] | Transmission<br>Duration<br>[ms] | Transmission<br>Period [ms] | Duty<br>Cycle<br>[%] | Factor |
|-----------|---------|----------------|----------------------------------|-----------------------------|----------------------|--------|
| 11B       | Ant1    | 2412           | 12.42                            | 12.86                       | 96.58                | 0.15   |
| 11B       | Ant2    | 2412           | 0.00                             | 0.00                        | 100                  | NaN    |
| 11B       | Ant1    | 2437           | 12.41                            | 12.78                       | 97.10                | 0.13   |
| 11B       | Ant2    | 2437           | 0.00                             | 0.00                        | 100                  | NaN    |
| 11B       | Ant1    | 2462           | 12.43                            | 12.87                       | 96.58                | 0.15   |
| 11B       | Ant2    | 2462           | 12.42                            | 12.88                       | 96.43                | 0.16   |
| 11G       | Ant1    | 2412           | 2.07                             | 2.29                        | 90.39                | 0.44   |
| 11G       | Ant2    | 2412           | 2.06                             | 2.29                        | 89.96                | 0.46   |
| 11G       | Ant1    | 2437           | 2.06                             | 2.27                        | 90.75                | 0.42   |
| 11G       | Ant2    | 2437           | 2.07                             | 2.29                        | 90.39                | 0.44   |
| 11G       | Ant1    | 2462           | 2.06                             | 2.25                        | 91.56                | 0.38   |
| 11G       | Ant2    | 2462           | 2.07                             | 2.26                        | 91.59                | 0.38   |
| 11N20MIMO | Ant1    | 2412           | 1.92                             | 2.06                        | 93.20                | 0.31   |
| 11N20MIMO | Ant2    | 2412           | 1.92                             | 2.11                        | 91.00                | 0.41   |
| 11N20MIMO | Ant1    | 2437           | 1.92                             | 2.12                        | 90.57                | 0.43   |
| 11N20MIMO | Ant2    | 2437           | 1.92                             | 2.15                        | 89.30                | 0.49   |
| 11N20MIMO | Ant1    | 2462           | 1.92                             | 2.12                        | 90.57                | 0.43   |
| 11N20MIMO | Ant2    | 2462           | 1.92                             | 2.16                        | 88.89                | 0.51   |
| 11N40MIMO | Ant1    | 2422           | 0.94                             | 1.08                        | 87.04                | 0.60   |
| 11N40MIMO | Ant2    | 2422           | 0.95                             | 1.18                        | 80.51                | 0.94   |
| 11N40MIMO | Ant1    | 2437           | 0.94                             | 1.08                        | 87.04                | 0.60   |
| 11N40MIMO | Ant2    | 2437           | 0.95                             | 1.17                        | 81.20                | 0.90   |
| 11N40MIMO | Ant1    | 2452           | 0.95                             | 1.17                        | 81.20                | 0.90   |
| 11N40MIMO | Ant2    | 2452           | 0.94                             | 1.11                        | 84.68                | 0.72   |

## Test Graphs

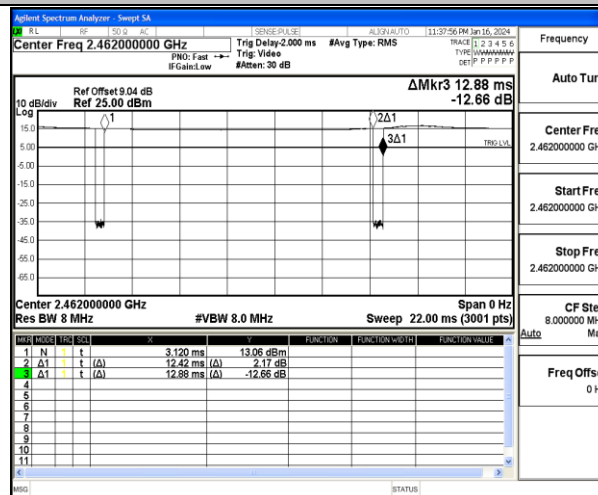




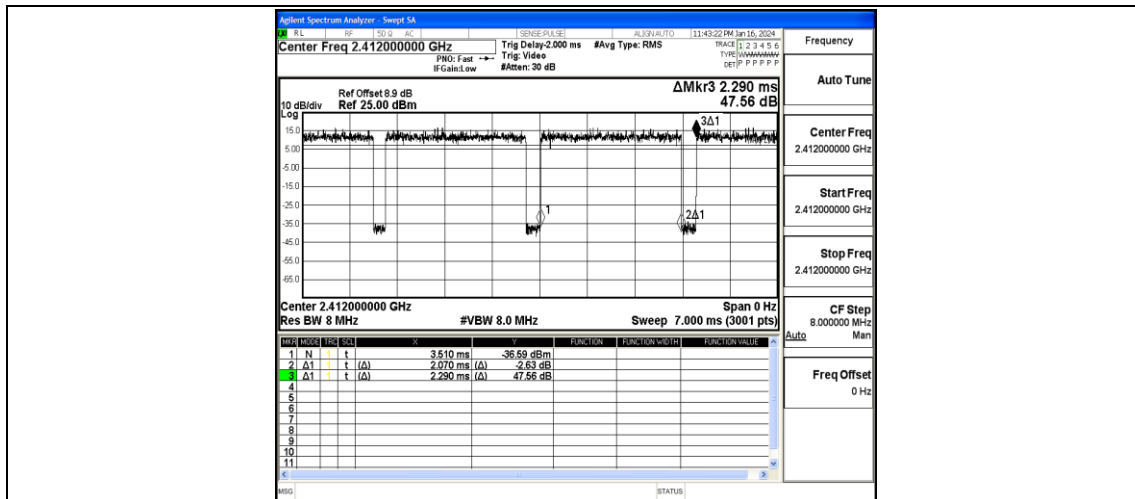
NTNV-11B-Ant2-2437



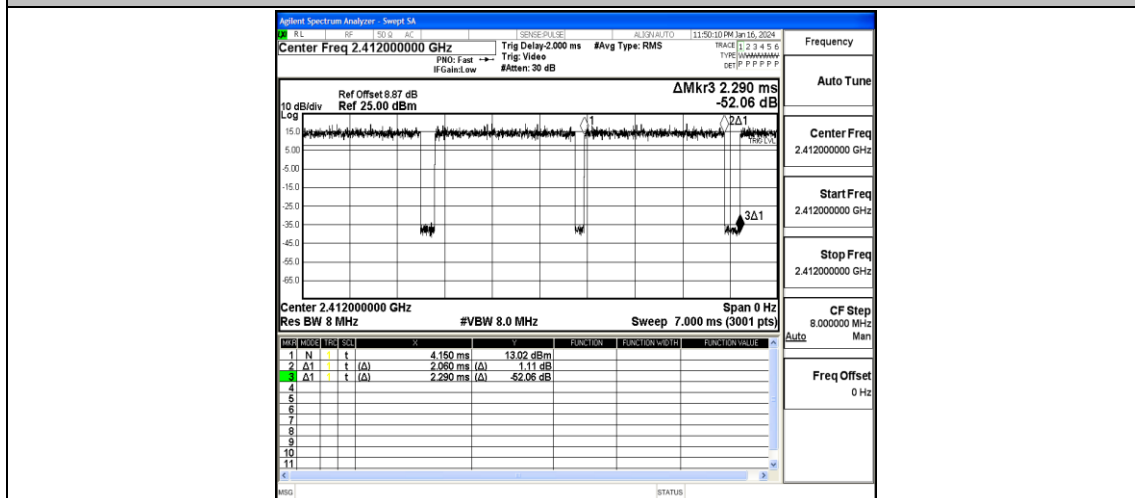
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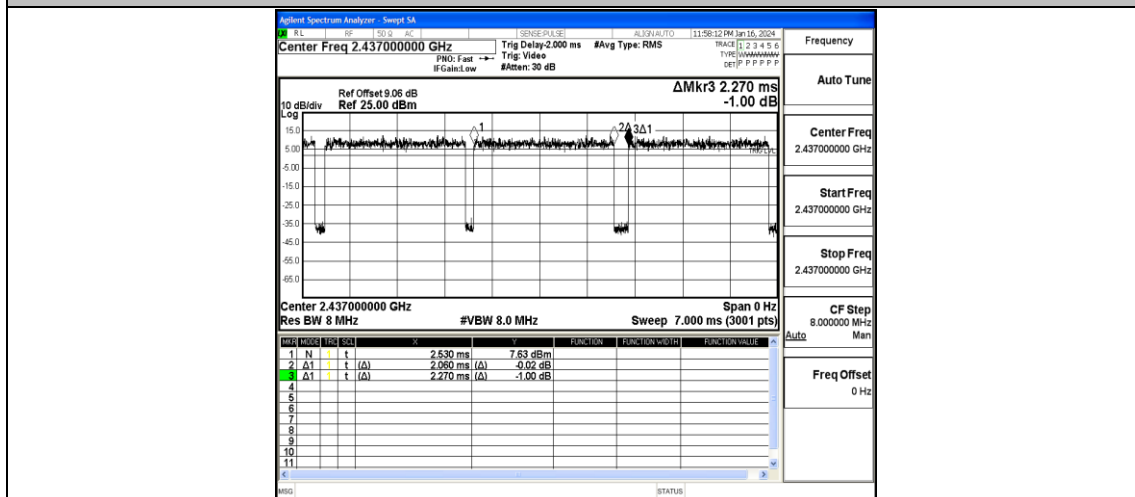
NTNV-11B-Ant2-2462



NTNV-11G-Ant1-2412



NTNV-11G-Ant2-2412



NTNV-11G-Ant1-2437