

**RF Test Data for WLAN(2.4G) (Conducted Measurement)****Product Name: NucBox5****Trade Mark: GMKtec****Test Model: KB5****FCC ID: 2AXUD-KB5****Environmental Conditions**

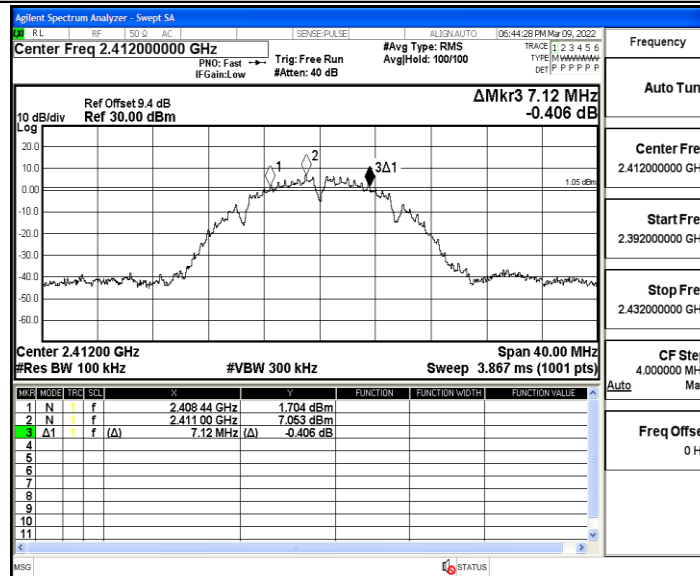
|                    |           |
|--------------------|-----------|
| Temperature:       | 25.5°C    |
| Relative Humidity: | 55%       |
| ATM Pressure:      | 100.0 kPa |
| Test Engineer:     | Anna Hu   |
| Supervised by:     | Hugo Chen |
| NOTE               | N/A       |

**Appendix A: DTS Bandwidth****Test Result**

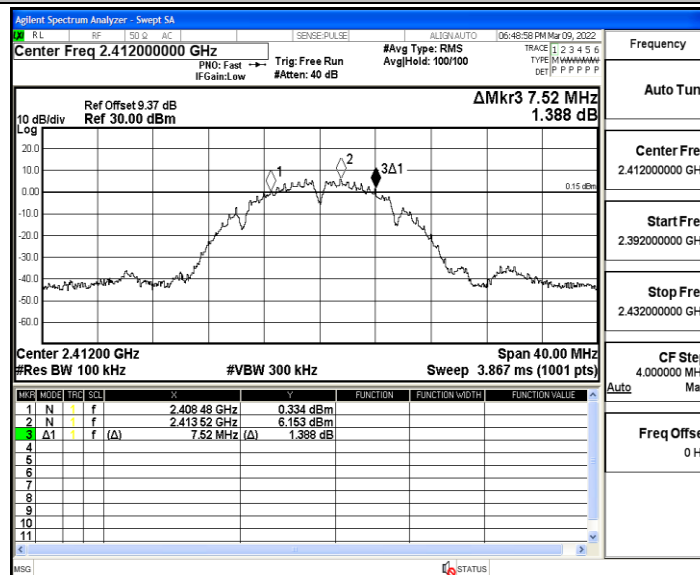
| TestMode  | Antenna | Channel | DTS BW<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|---------|-----------------|----------|----------|------------|---------|
| 11B       | Ant1    | 2412    | 7.120           | 2408.440 | 2415.560 | 0.5        | PASS    |
|           | Ant2    | 2412    | 7.520           | 2408.480 | 2416.000 | 0.5        | PASS    |
|           | Ant1    | 2437    | 8.000           | 2433.000 | 2441.000 | 0.5        | PASS    |
|           | Ant2    | 2437    | 8.040           | 2432.960 | 2441.000 | 0.5        | PASS    |
|           | Ant1    | 2462    | 8.040           | 2457.960 | 2466.000 | 0.5        | PASS    |
|           | Ant2    | 2462    | 8.040           | 2458.000 | 2466.040 | 0.5        | PASS    |
| 11G       | Ant1    | 2412    | 13.800          | 2405.720 | 2419.520 | 0.5        | PASS    |
|           | Ant2    | 2412    | 15.080          | 2404.480 | 2419.560 | 0.5        | PASS    |
|           | Ant1    | 2437    | 15.840          | 2428.880 | 2444.720 | 0.5        | PASS    |
|           | Ant2    | 2437    | 16.000          | 2429.120 | 2445.120 | 0.5        | PASS    |
|           | Ant1    | 2462    | 15.320          | 2454.440 | 2469.760 | 0.5        | PASS    |
|           | Ant2    | 2462    | 15.640          | 2454.480 | 2470.120 | 0.5        | PASS    |
| 11N20MIMO | Ant1    | 2412    | 12.800          | 2406.720 | 2419.520 | 0.5        | PASS    |
|           | Ant2    | 2412    | 15.040          | 2405.120 | 2420.160 | 0.5        | PASS    |
|           | Ant1    | 2437    | 15.240          | 2429.240 | 2444.480 | 0.5        | PASS    |
|           | Ant2    | 2437    | 17.600          | 2428.200 | 2445.800 | 0.5        | PASS    |
|           | Ant1    | 2462    | 17.520          | 2453.240 | 2470.760 | 0.5        | PASS    |
|           | Ant2    | 2462    | 17.320          | 2453.440 | 2470.760 | 0.5        | PASS    |
| 11N40MIMO | Ant1    | 2422    | 35.040          | 2404.480 | 2439.520 | 0.5        | PASS    |
|           | Ant2    | 2422    | 35.040          | 2404.480 | 2439.520 | 0.5        | PASS    |
|           | Ant1    | 2437    | 35.040          | 2419.480 | 2454.520 | 0.5        | PASS    |
|           | Ant2    | 2437    | 35.040          | 2419.480 | 2454.520 | 0.5        | PASS    |
|           | Ant1    | 2452    | 33.840          | 2435.680 | 2469.520 | 0.5        | PASS    |
|           | Ant2    | 2452    | 34.960          | 2434.480 | 2469.440 | 0.5        | PASS    |

## Test Graphs

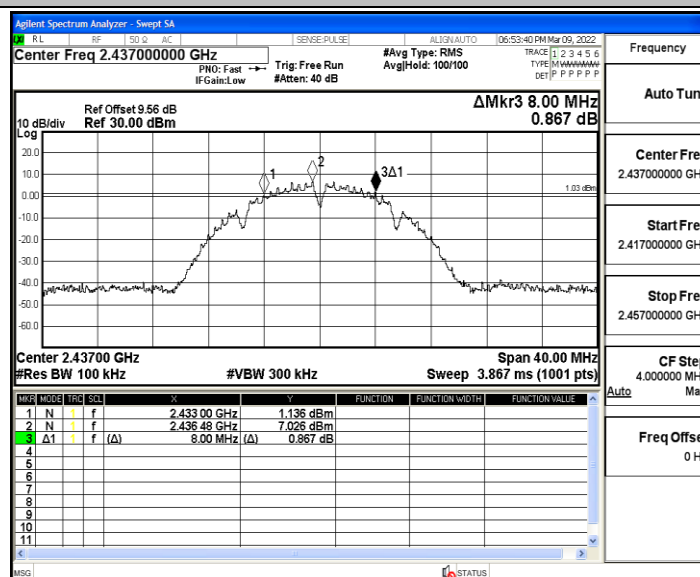
11B\_Ant1\_2412



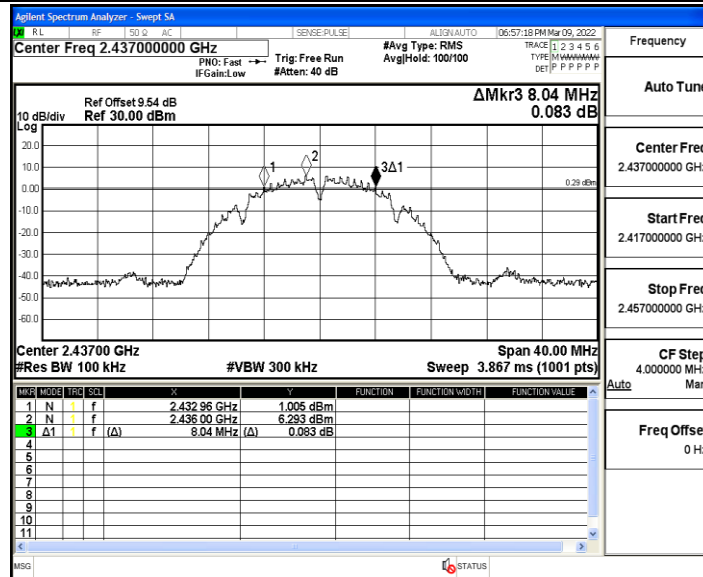
11B\_Ant2\_2412



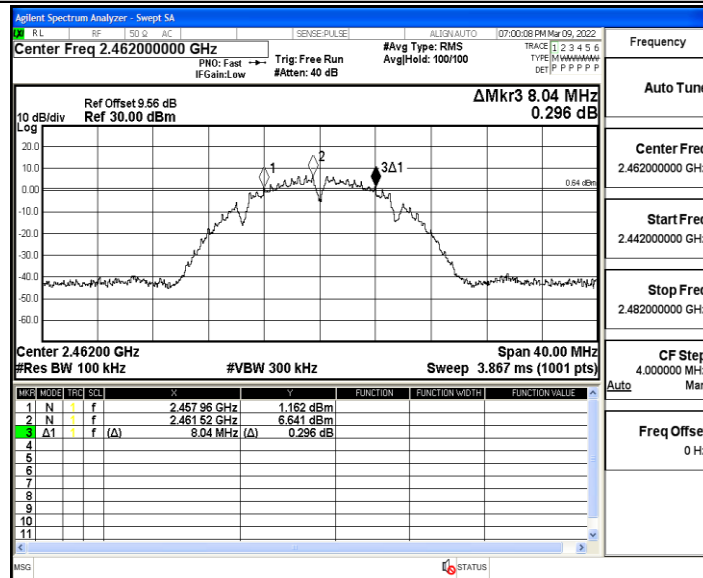
11B\_Ant1\_2437



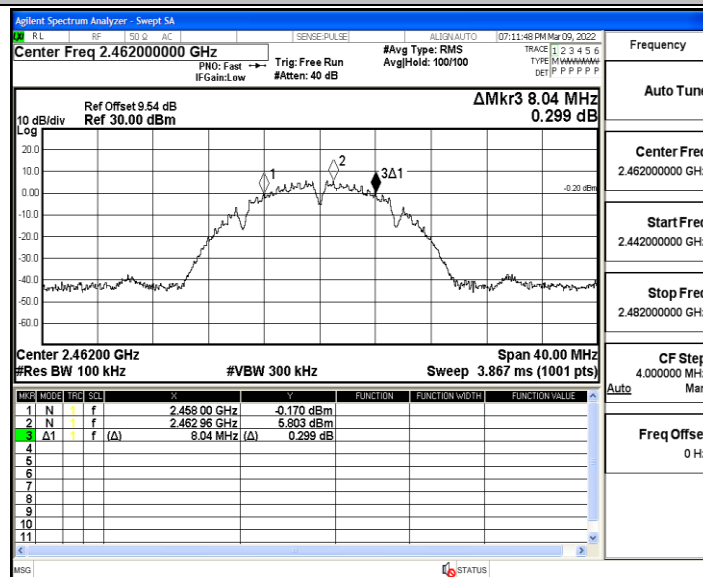
11B\_Ant2\_2437



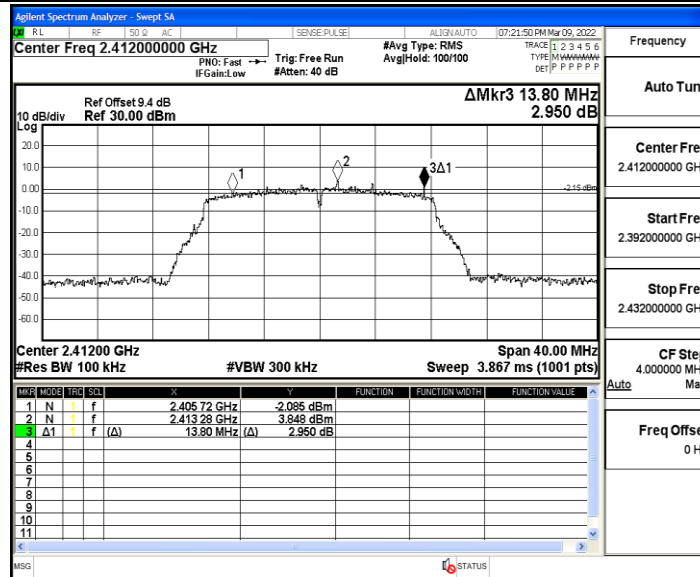
11B\_Ant1\_2462



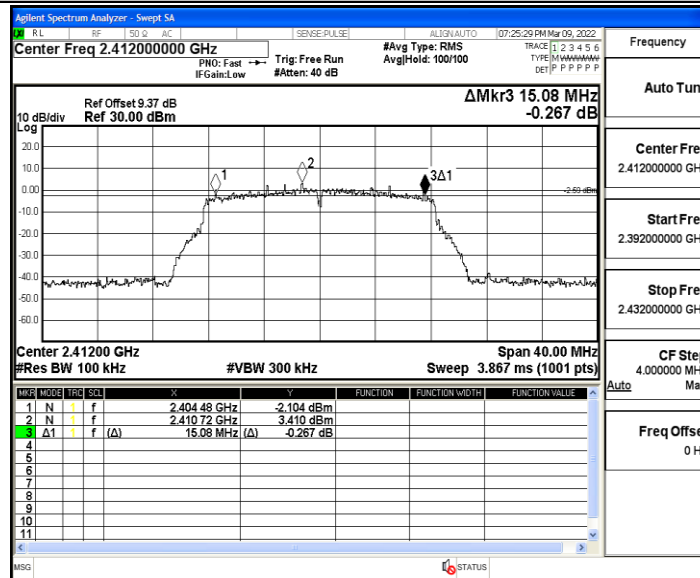
11B\_Ant2\_2462



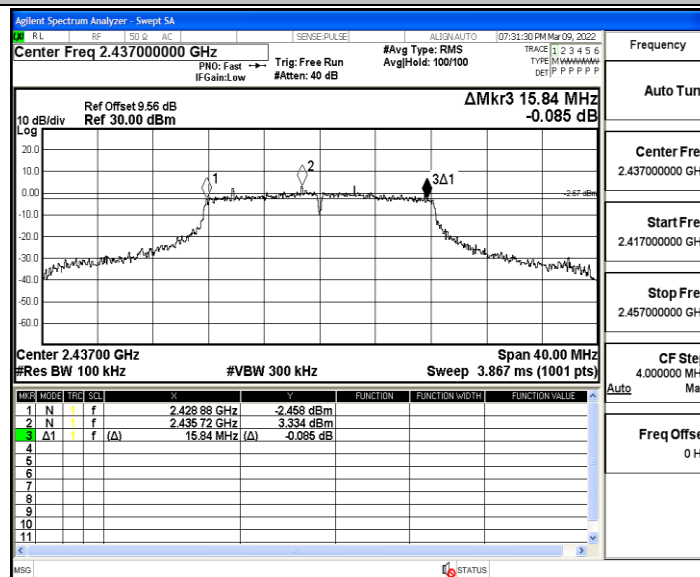
11G\_Ant1\_2412



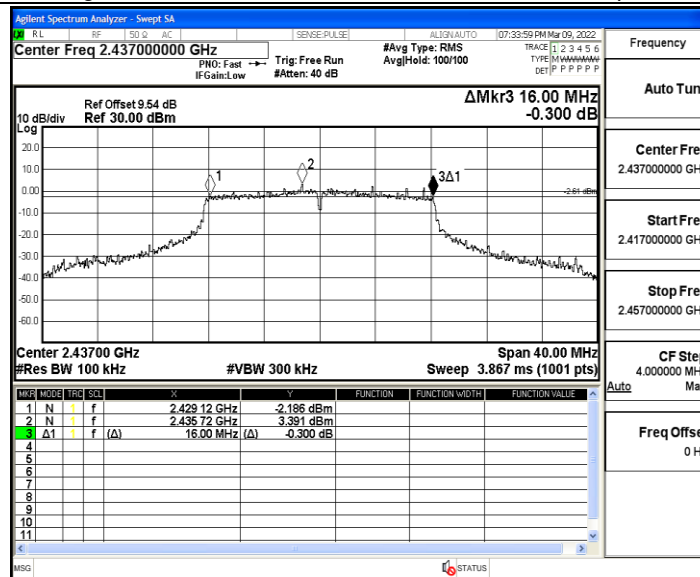
11G\_Ant2\_2412



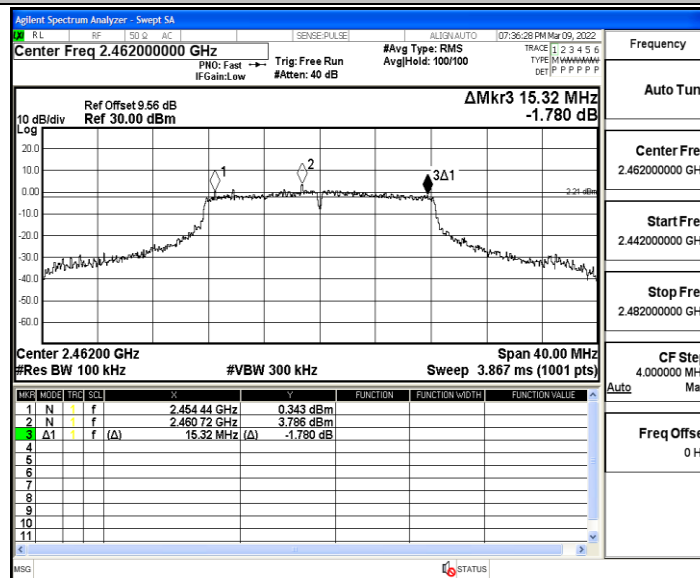
11G\_Ant1\_2437



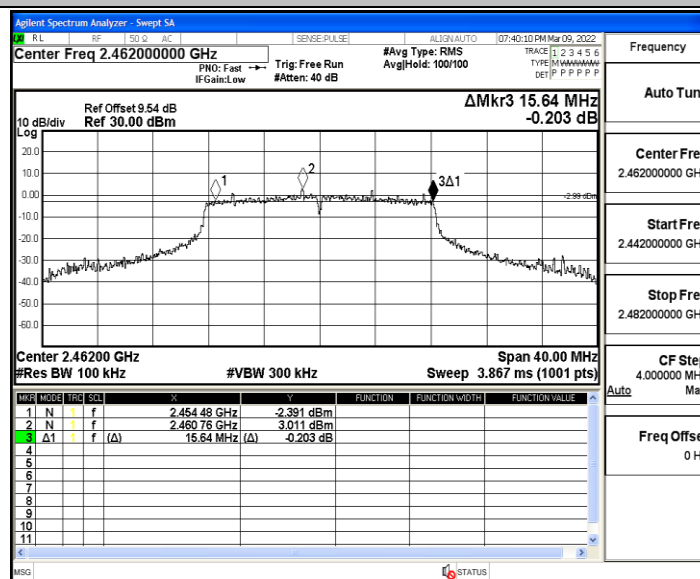
11G\_Ant2\_2437



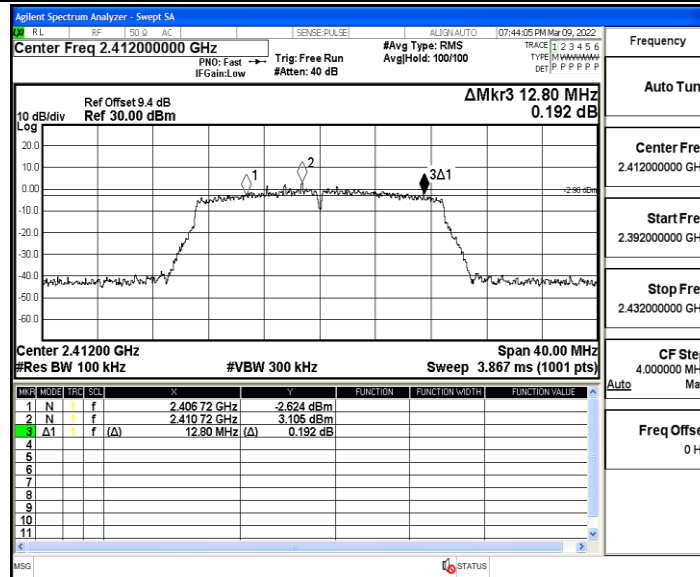
11G\_Ant1\_2462



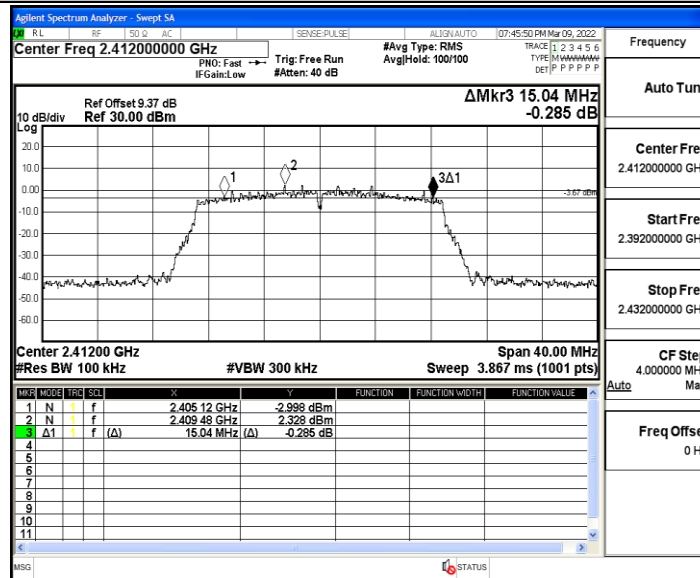
11G\_Ant2\_2462



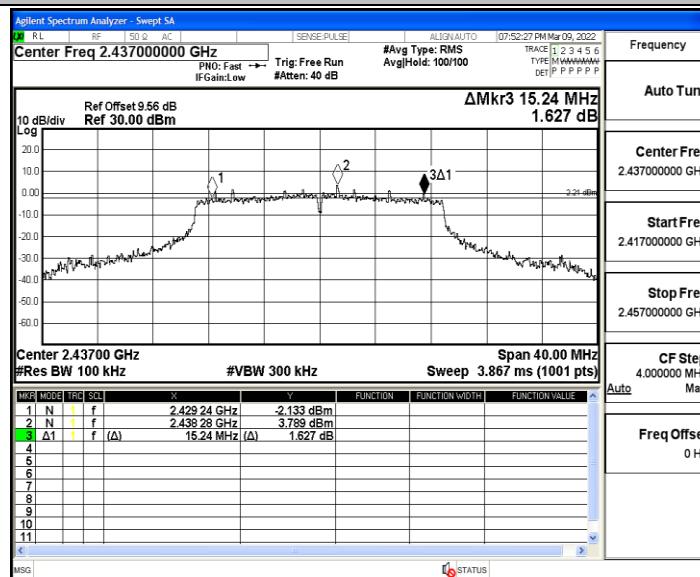
11N20MIMO\_Ant1\_2412



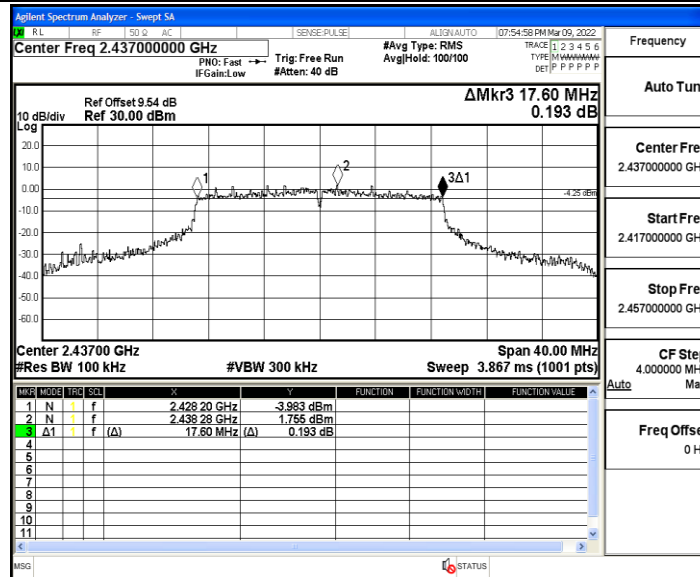
11N20MIMO\_Ant2\_2412



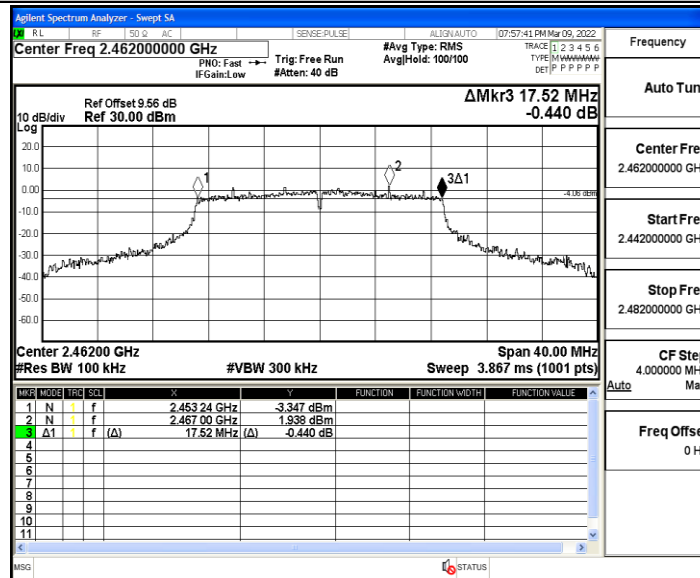
11N20MIMO\_Ant1\_2437



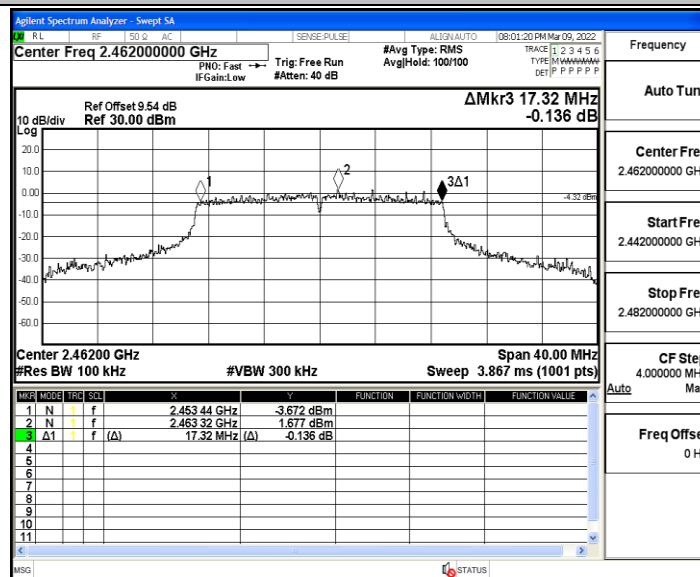
11N20MIMO\_Ant2\_2437



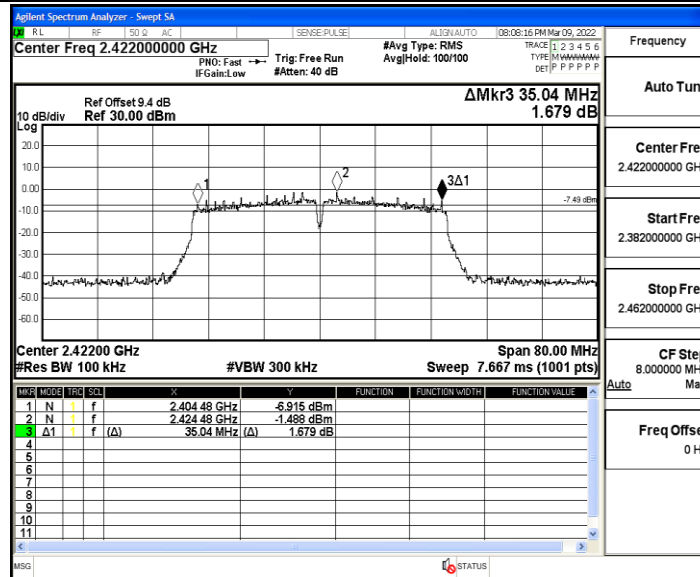
11N20MIMO\_Ant1\_2462



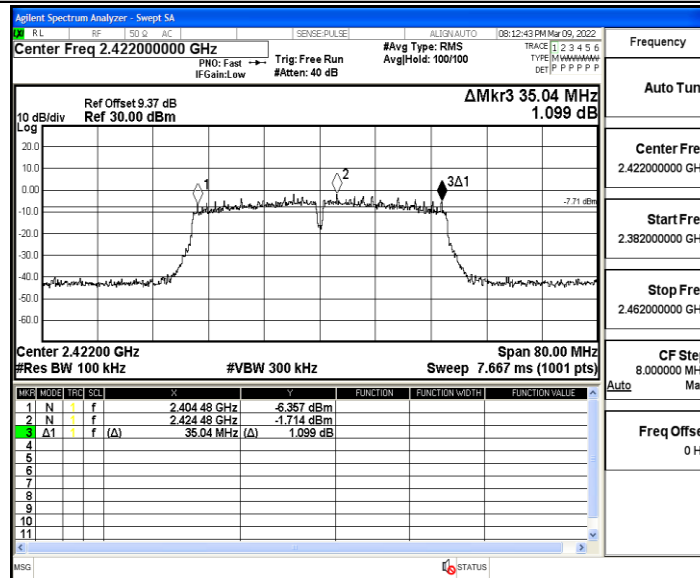
11N20MIMO\_Ant2\_2462



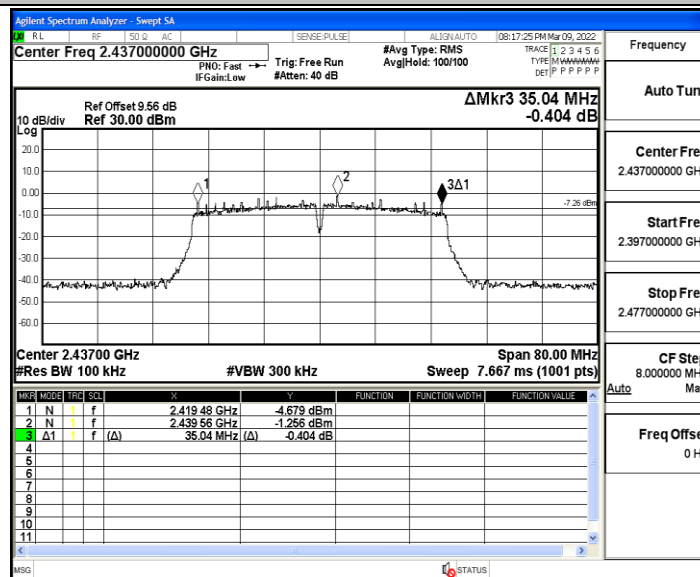
11N40MIMO\_Ant1\_2422



11N40MIMO\_Ant2\_2422

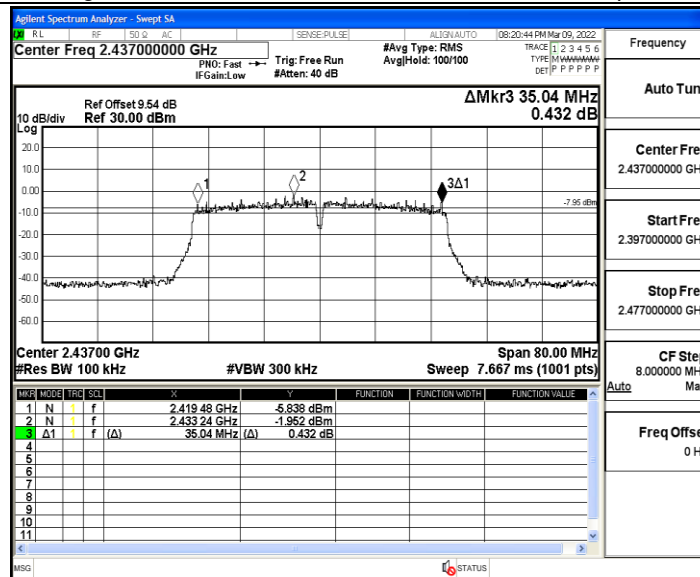


11N40MIMO\_Ant1\_2437

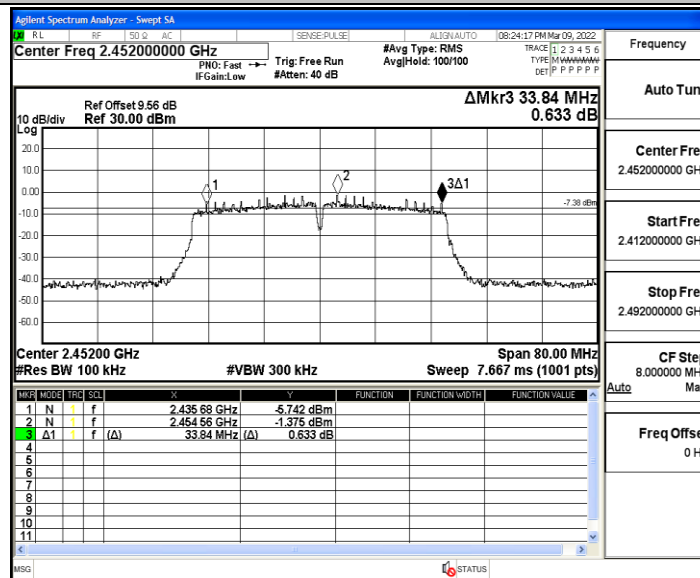


11N40MIMO\_Ant2\_2437

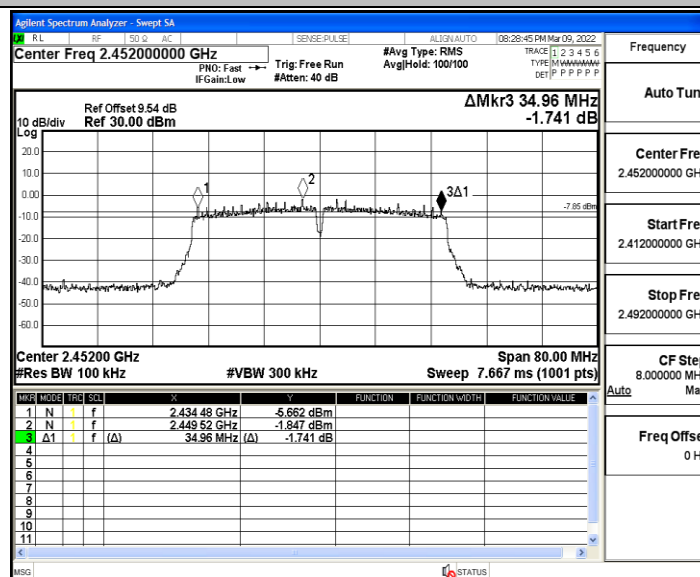




11N40MIMO\_Ant1\_2452



11N40MIMO\_Ant2\_2452



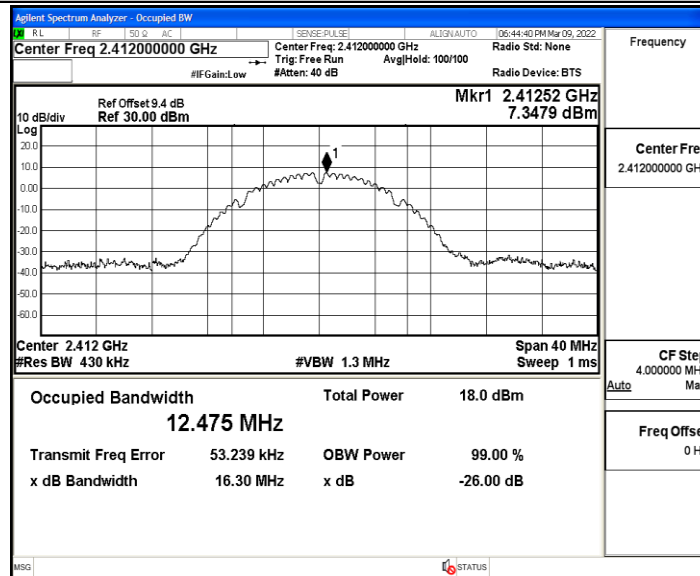
## Appendix B: Occupied Channel Bandwidth

### Test Result

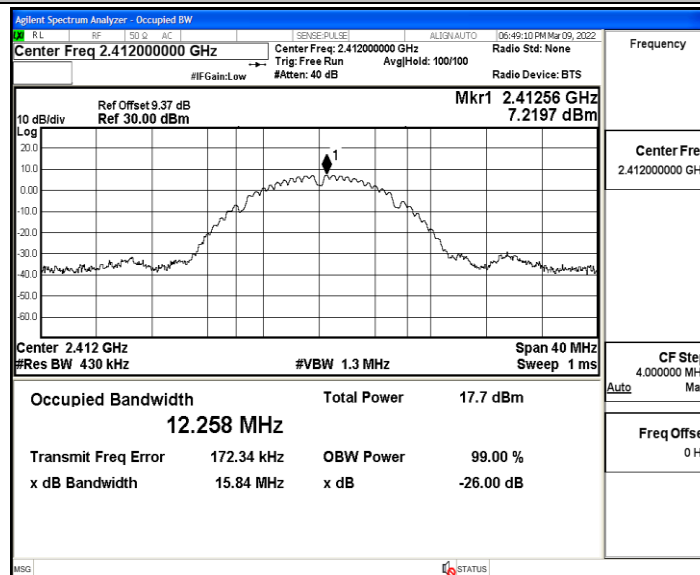
| TestMode  | Antenna | Channel | OCB [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|---------|-----------|----------|----------|------------|---------|
| 11B       | Ant1    | 2412    | 12.475    | 2405.816 | 2418.291 | ---        | PASS    |
|           | Ant2    | 2412    | 12.258    | 2406.043 | 2418.301 | ---        | PASS    |
|           | Ant1    | 2437    | 12.677    | 2430.673 | 2443.350 | ---        | PASS    |
|           | Ant2    | 2437    | 12.497    | 2430.779 | 2443.276 | ---        | PASS    |
|           | Ant1    | 2462    | 12.622    | 2455.744 | 2468.366 | ---        | PASS    |
|           | Ant2    | 2462    | 12.451    | 2455.834 | 2468.285 | ---        | PASS    |
| 11G       | Ant1    | 2412    | 16.694    | 2403.712 | 2420.406 | ---        | PASS    |
|           | Ant2    | 2412    | 16.546    | 2403.747 | 2420.293 | ---        | PASS    |
|           | Ant1    | 2437    | 17.665    | 2428.132 | 2445.797 | ---        | PASS    |
|           | Ant2    | 2437    | 17.249    | 2428.418 | 2445.667 | ---        | PASS    |
|           | Ant1    | 2462    | 17.598    | 2453.214 | 2470.812 | ---        | PASS    |
|           | Ant2    | 2462    | 17.164    | 2453.440 | 2470.604 | ---        | PASS    |
| 11N20MIMO | Ant1    | 2412    | 17.752    | 2403.144 | 2420.896 | ---        | PASS    |
|           | Ant2    | 2412    | 17.679    | 2403.190 | 2420.869 | ---        | PASS    |
|           | Ant1    | 2437    | 18.673    | 2427.646 | 2446.319 | ---        | PASS    |
|           | Ant2    | 2437    | 18.191    | 2427.893 | 2446.084 | ---        | PASS    |
|           | Ant1    | 2462    | 18.672    | 2452.704 | 2471.376 | ---        | PASS    |
|           | Ant2    | 2462    | 18.208    | 2452.958 | 2471.166 | ---        | PASS    |
| 11N40MIMO | Ant1    | 2422    | 36.046    | 2404.065 | 2440.111 | ---        | PASS    |
|           | Ant2    | 2422    | 35.958    | 2404.127 | 2440.085 | ---        | PASS    |
|           | Ant1    | 2437    | 36.055    | 2419.037 | 2455.092 | ---        | PASS    |
|           | Ant2    | 2437    | 36.122    | 2418.974 | 2455.096 | ---        | PASS    |
|           | Ant1    | 2452    | 36.221    | 2433.968 | 2470.189 | ---        | PASS    |
|           | Ant2    | 2452    | 36.146    | 2433.973 | 2470.119 | ---        | PASS    |

## Test Graphs

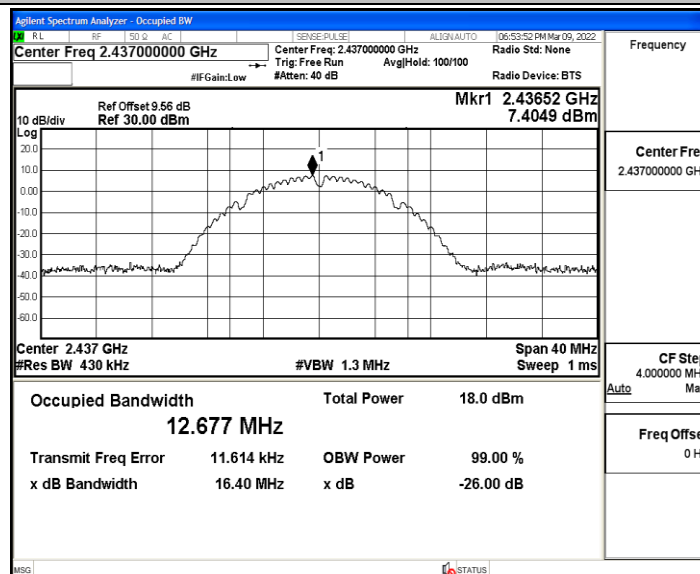
11B\_Ant1\_2412



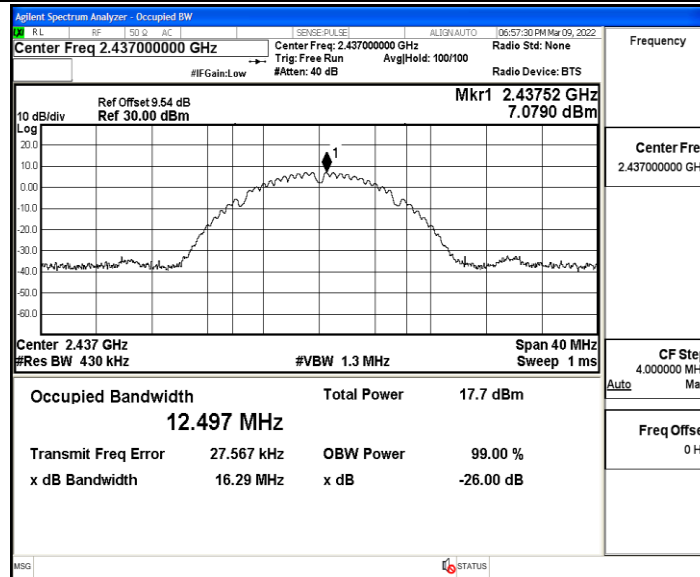
11B\_Ant2\_2412



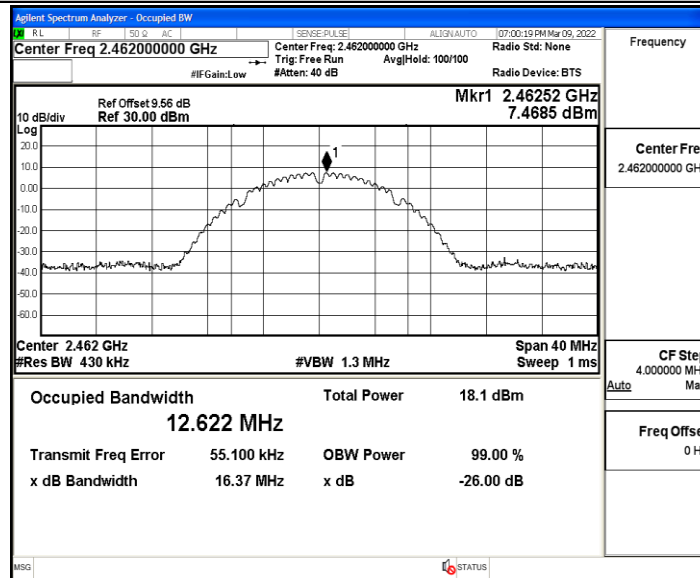
11B\_Ant1\_2437



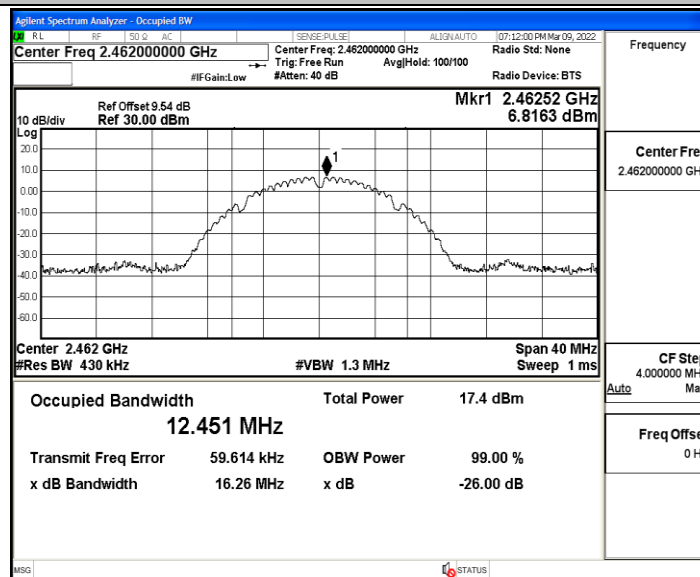
11B\_Ant2\_2437



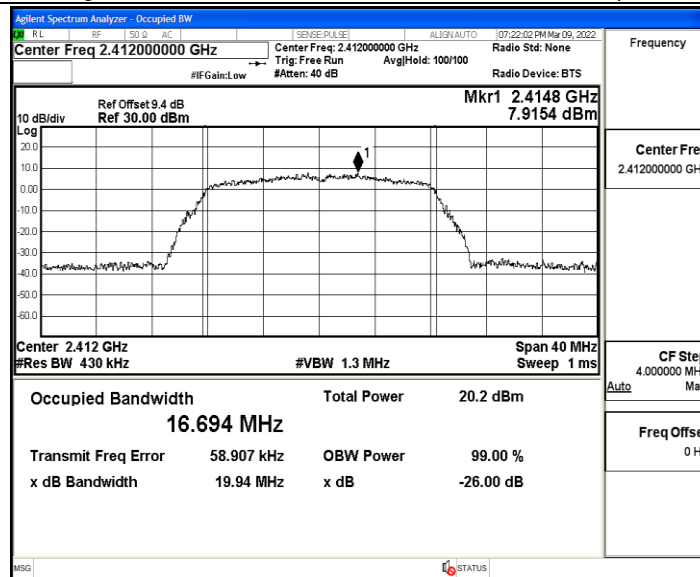
11B\_Ant1\_2462



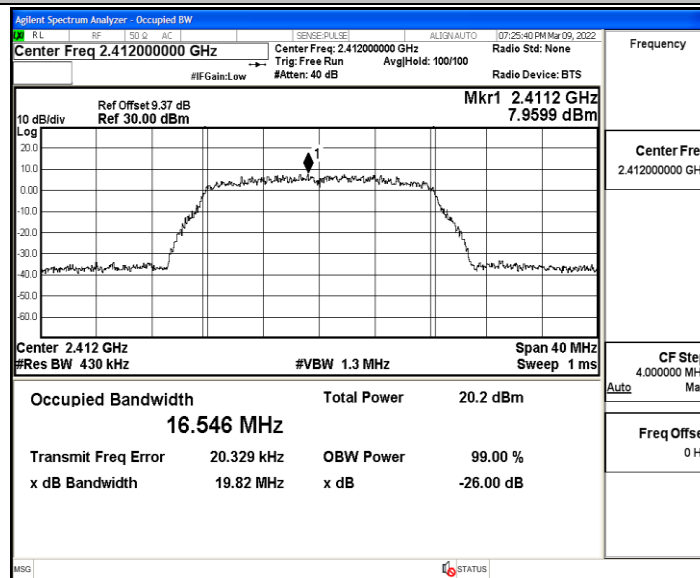
11B\_Ant2\_2462



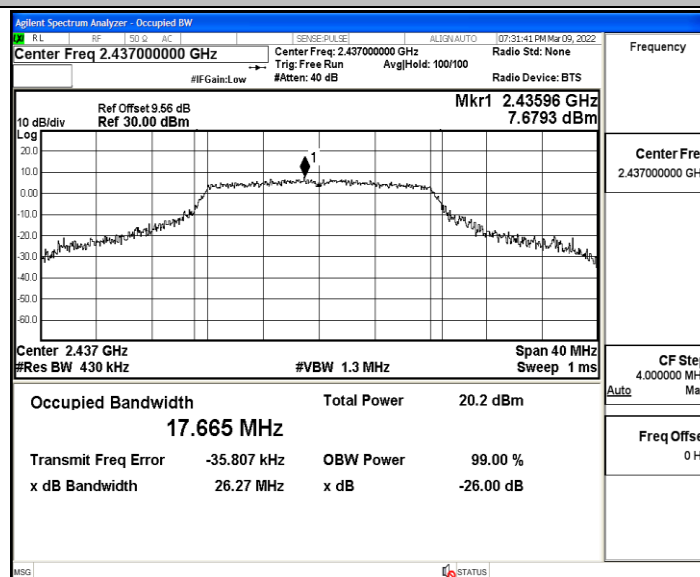
11G\_Ant1\_2412



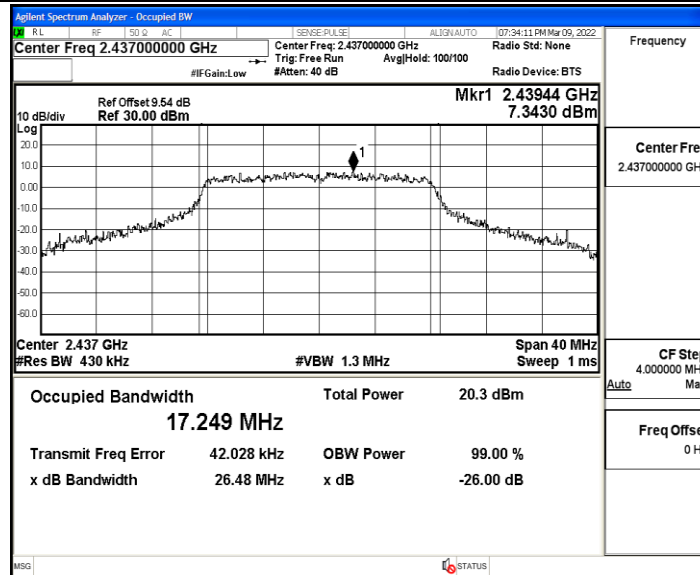
11G\_Ant2\_2412



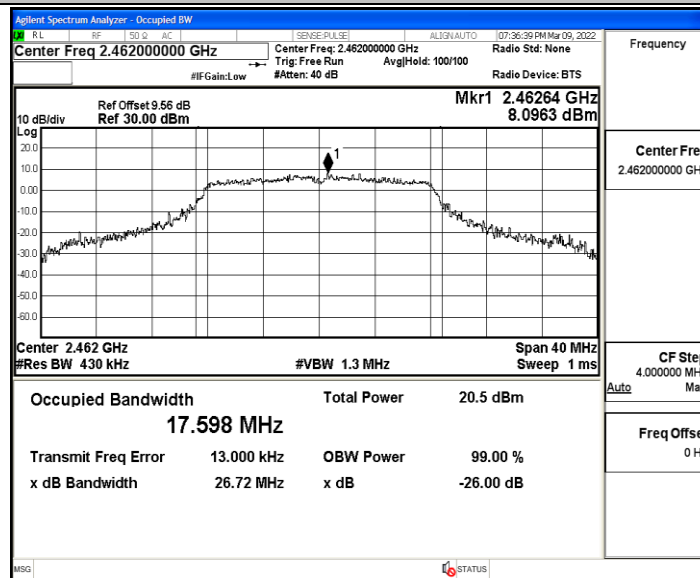
11G\_Ant1\_2437



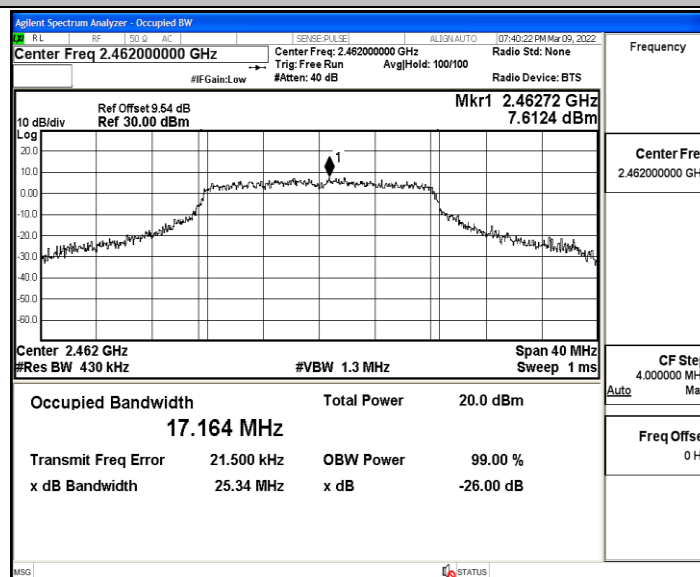
11G\_Ant2\_2437



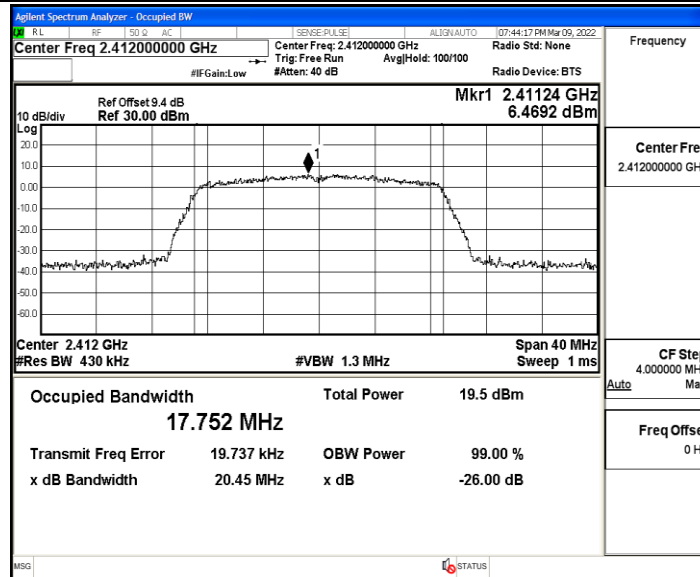
11G\_Ant1\_2462



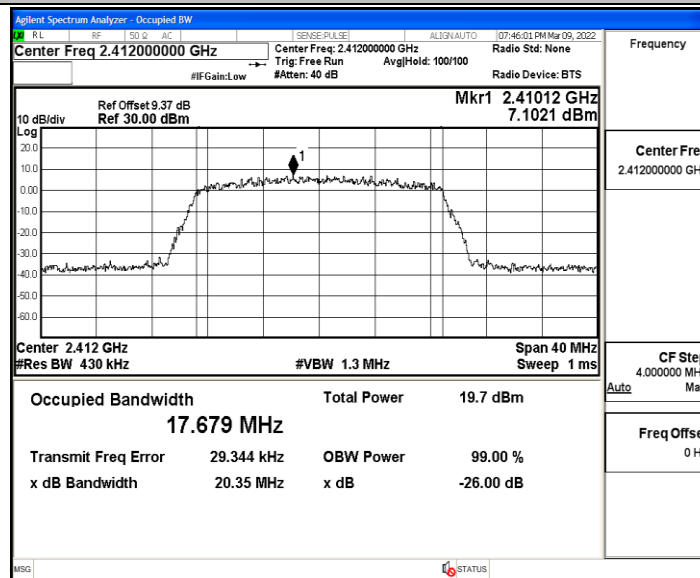
11G\_Ant2\_2462



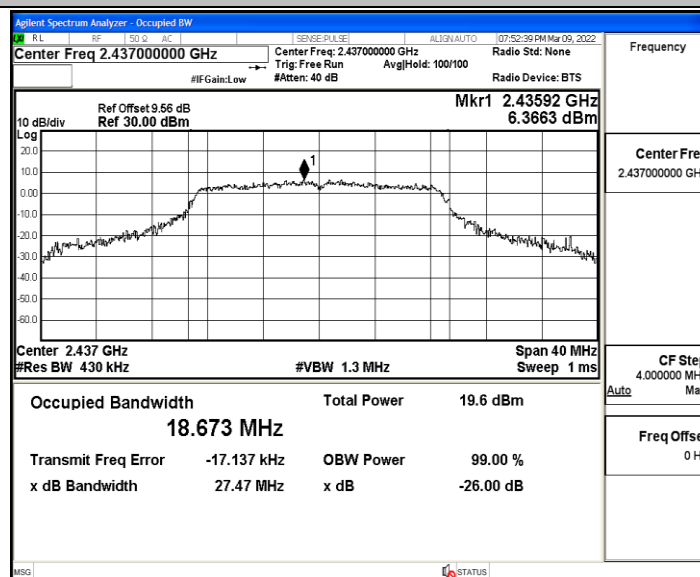
11N20MIMO\_Ant1\_2412



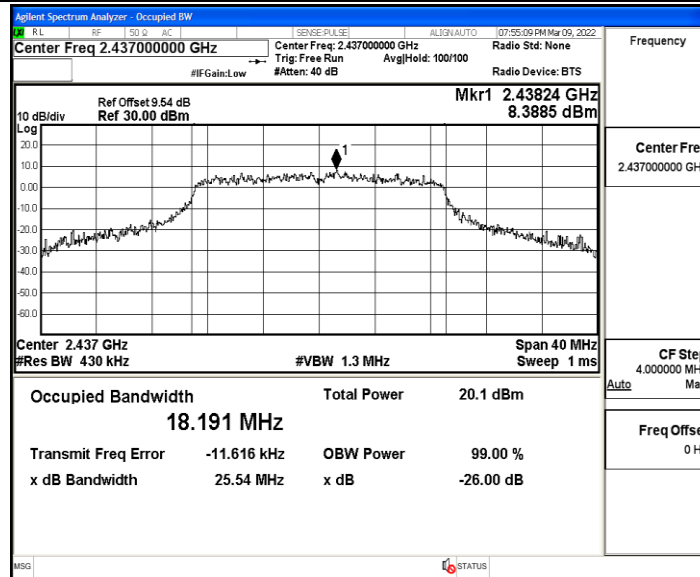
11N20MIMO\_Ant2\_2412



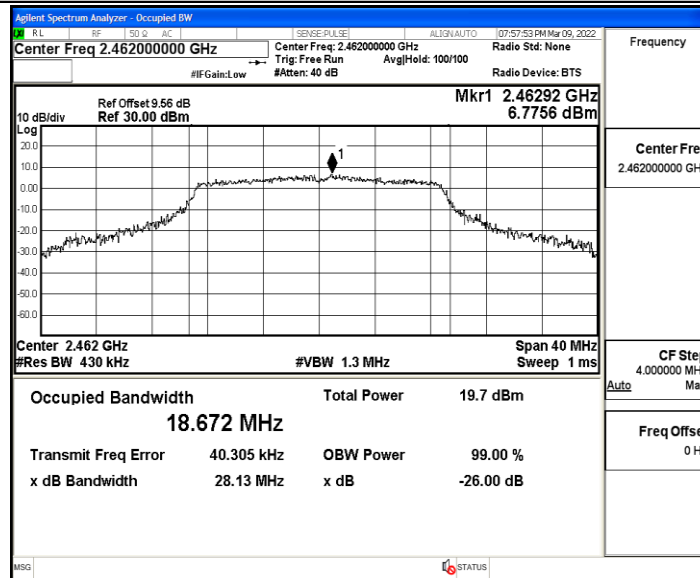
11N20MIMO\_Ant1\_2437



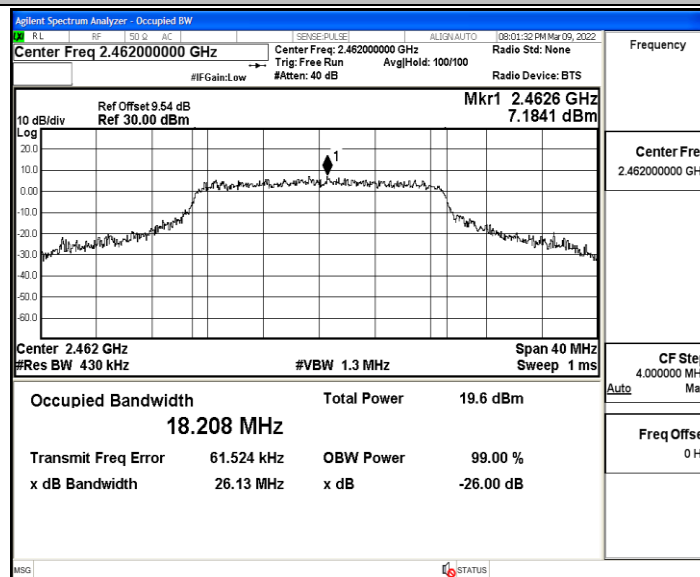
11N20MIMO\_Ant2\_2437



11N20MIMO\_Ant1\_2462

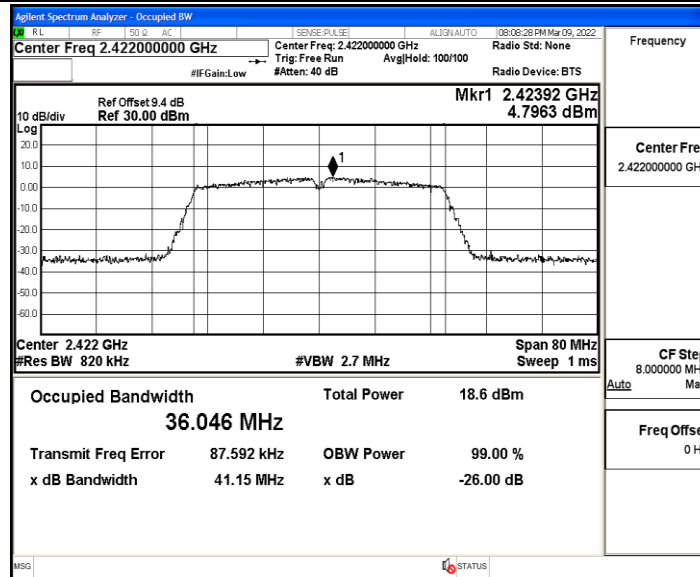


11N20MIMO\_Ant2\_2462

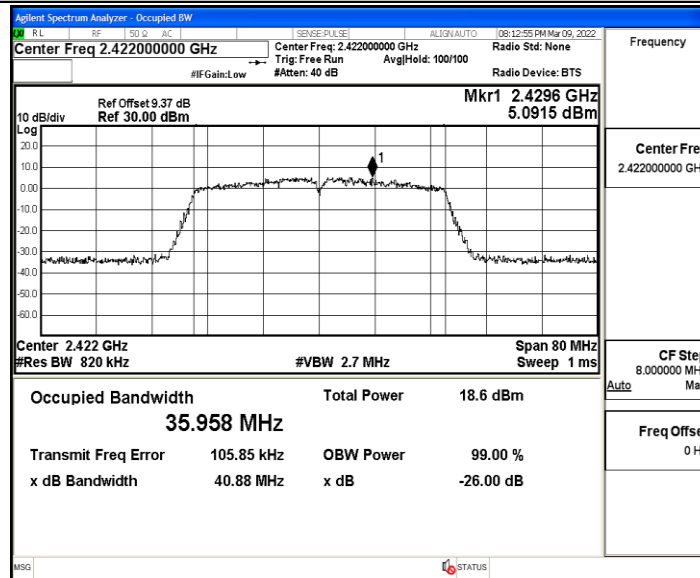


11N40MIMO\_Ant1\_2422

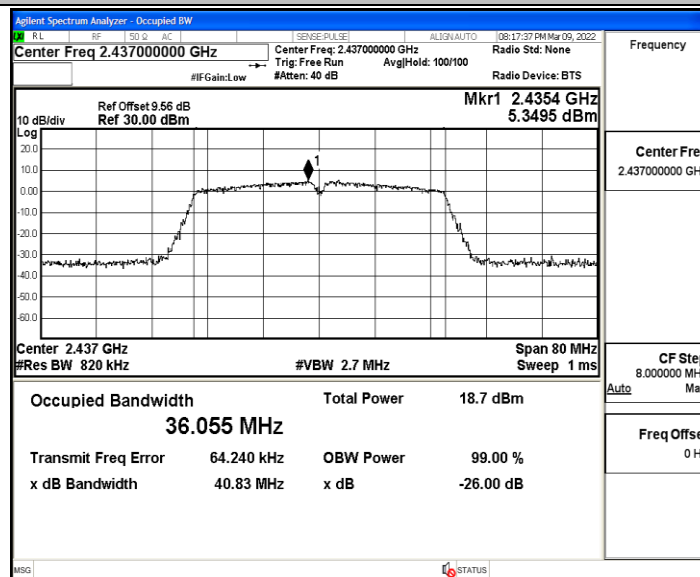




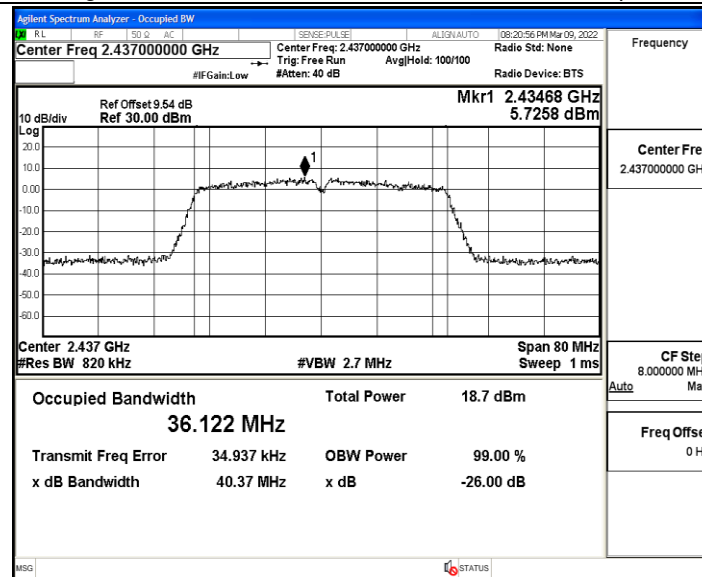
11N40MIMO\_Ant2\_2422



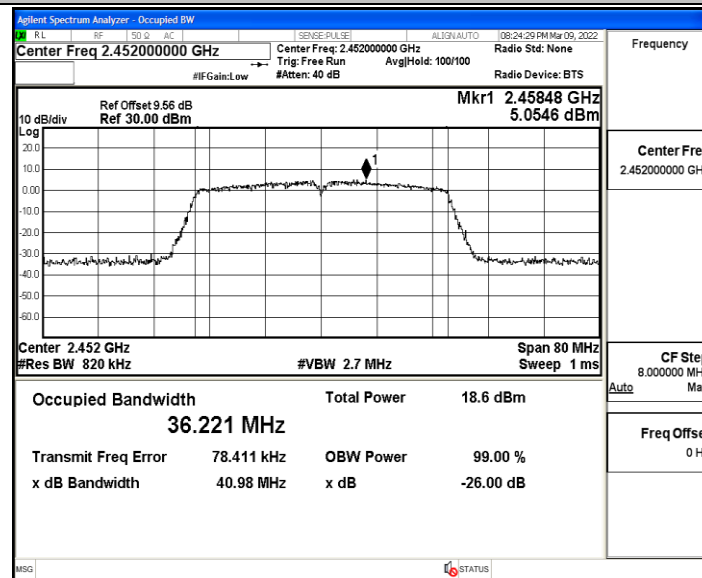
11N40MIMO\_Ant1\_2437



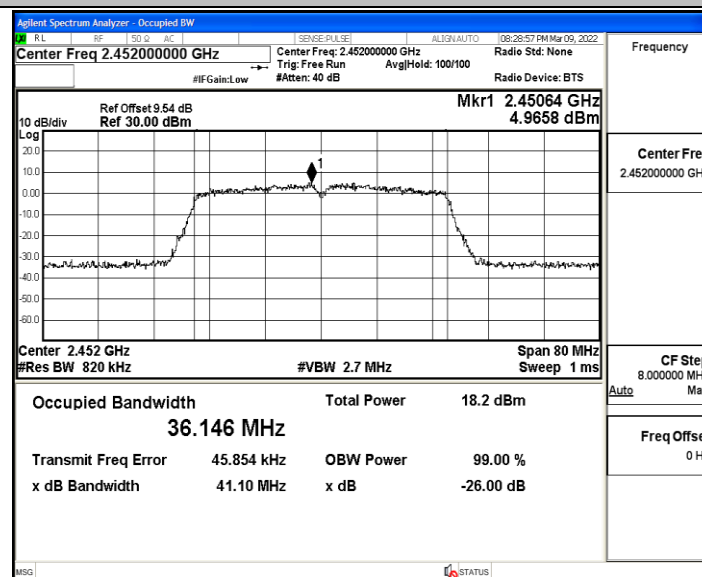
11N40MIMO\_Ant2\_2437



11N40MIMO\_Ant1\_2452



11N40MIMO\_Ant2\_2452



## Appendix C: Maximum conducted output power

### Test Result

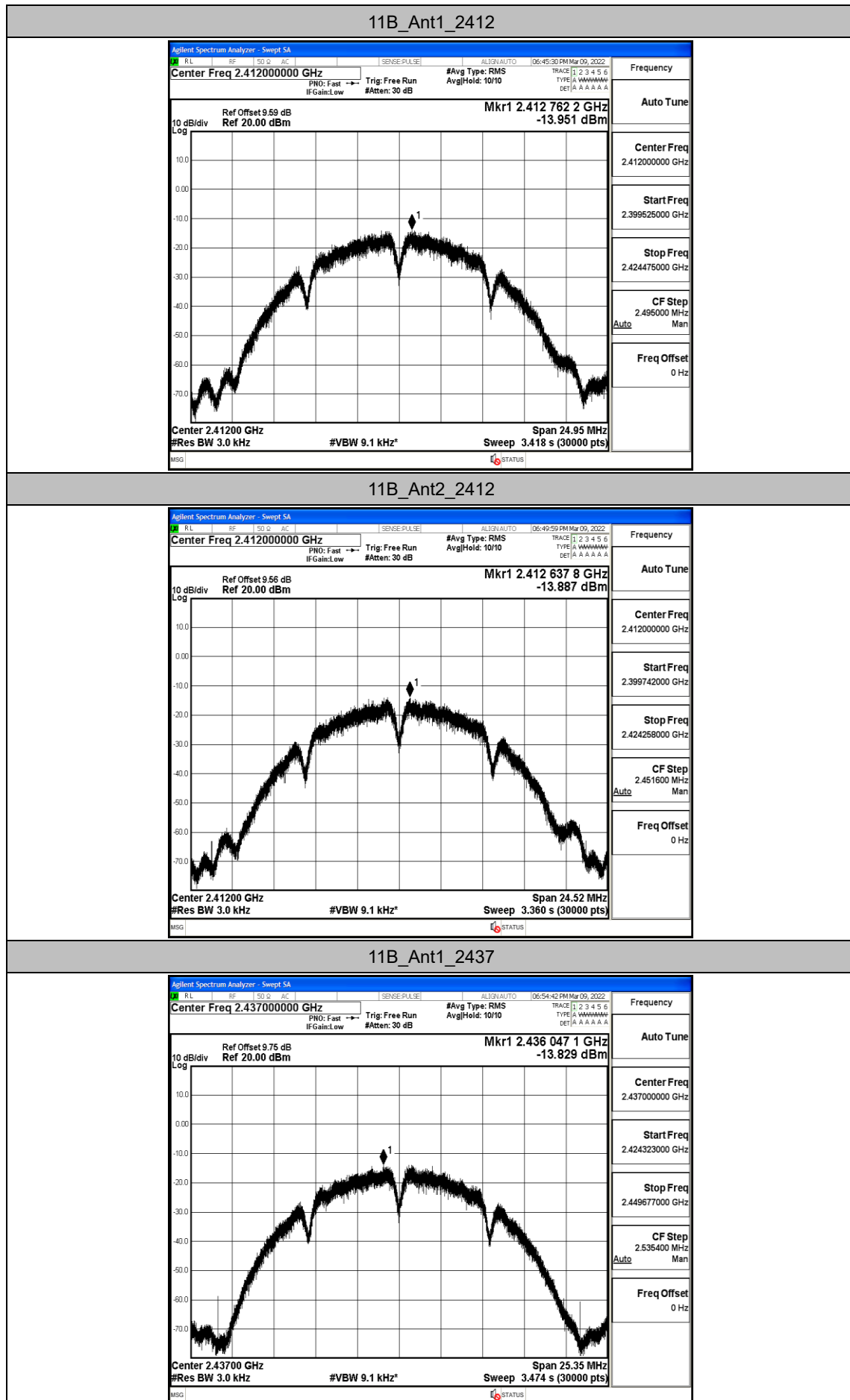
| TestMode  | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|-------------|------------|---------|
| 11B       | Ant1    | 2412    | 15.09       | ≤30        | PASS    |
|           | Ant2    | 2412    | 14.71       | ≤30        | PASS    |
|           | Ant1    | 2437    | 15.17       | ≤30        | PASS    |
|           | Ant2    | 2437    | 14.48       | ≤30        | PASS    |
|           | Ant1    | 2462    | 15.11       | ≤30        | PASS    |
|           | Ant2    | 2462    | 14.23       | ≤30        | PASS    |
| 11G       | Ant1    | 2412    | 14.06       | ≤30        | PASS    |
|           | Ant2    | 2412    | 13.60       | ≤30        | PASS    |
|           | Ant1    | 2437    | 14.22       | ≤30        | PASS    |
|           | Ant2    | 2437    | 14.15       | ≤30        | PASS    |
|           | Ant1    | 2462    | 14.59       | ≤30        | PASS    |
|           | Ant2    | 2462    | 13.84       | ≤30        | PASS    |
| 11N20MIMO | Ant1    | 2412    | 13.56       | ≤30        | PASS    |
|           | Ant2    | 2412    | 13.32       | ≤30        | PASS    |
|           | total   | 2412    | 16.45       | ≤30        | PASS    |
|           | Ant1    | 2437    | 13.95       | ≤30        | PASS    |
|           | Ant2    | 2437    | 13.65       | ≤30        | PASS    |
|           | total   | 2437    | 16.81       | ≤30        | PASS    |
|           | Ant1    | 2462    | 13.80       | ≤30        | PASS    |
|           | Ant2    | 2462    | 12.97       | ≤30        | PASS    |
|           | total   | 2462    | 16.42       | ≤30        | PASS    |
| 11N40MIMO | Ant1    | 2422    | 12.16       | ≤30        | PASS    |
|           | Ant2    | 2422    | 11.28       | ≤30        | PASS    |
|           | total   | 2422    | 14.75       | ≤30        | PASS    |
|           | Ant1    | 2437    | 12.04       | ≤30        | PASS    |
|           | Ant2    | 2437    | 11.80       | ≤30        | PASS    |
|           | total   | 2437    | 14.93       | ≤30        | PASS    |
|           | Ant1    | 2452    | 12.15       | ≤30        | PASS    |
|           | Ant2    | 2452    | 11.34       | ≤30        | PASS    |
|           | total   | 2452    | 14.77       | ≤30        | PASS    |

## Appendix D: Maximum power spectral density

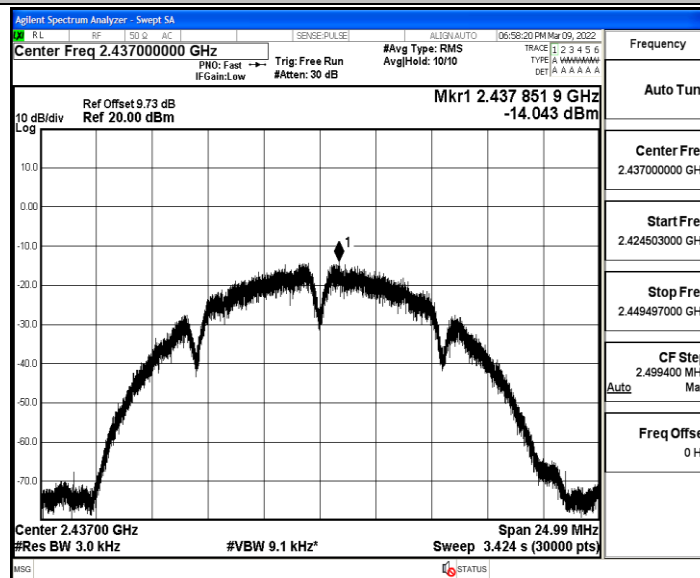
### Test Result

| TestMode  | Antenna | Channel | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|---------|----------------------|-----------------|---------|
| 11B       | Ant1    | 2412    | -13.95               | ≤8              | PASS    |
|           | Ant2    | 2412    | -13.89               | ≤8              | PASS    |
|           | Ant1    | 2437    | -13.83               | ≤8              | PASS    |
|           | Ant2    | 2437    | -14.04               | ≤8              | PASS    |
|           | Ant1    | 2462    | -13.01               | ≤8              | PASS    |
|           | Ant2    | 2462    | -13.6                | ≤8              | PASS    |
| 11G       | Ant1    | 2412    | -15.69               | ≤8              | PASS    |
|           | Ant2    | 2412    | -16.75               | ≤8              | PASS    |
|           | Ant1    | 2437    | -17.26               | ≤8              | PASS    |
|           | Ant2    | 2437    | -17.09               | ≤8              | PASS    |
|           | Ant1    | 2462    | -16.15               | ≤8              | PASS    |
|           | Ant2    | 2462    | -17                  | ≤8              | PASS    |
| 11N20MIMO | Ant1    | 2412    | -17.06               | ≤8              | PASS    |
|           | Ant2    | 2412    | -16.85               | ≤8              | PASS    |
|           | total   | 2412    | -13.94               | ≤8              | PASS    |
|           | Ant1    | 2437    | -17.53               | ≤8              | PASS    |
|           | Ant2    | 2437    | -16.78               | ≤8              | PASS    |
|           | total   | 2437    | -14.13               | ≤8              | PASS    |
|           | Ant1    | 2462    | -16.71               | ≤8              | PASS    |
|           | Ant2    | 2462    | -18.05               | ≤8              | PASS    |
|           | total   | 2462    | -14.32               | ≤8              | PASS    |
| 11N40MIMO | Ant1    | 2422    | -20.19               | ≤8              | PASS    |
|           | Ant2    | 2422    | -21.95               | ≤8              | PASS    |
|           | total   | 2422    | -17.97               | ≤8              | PASS    |
|           | Ant1    | 2437    | -20.87               | ≤8              | PASS    |
|           | Ant2    | 2437    | -21.75               | ≤8              | PASS    |
|           | total   | 2437    | -18.28               | ≤8              | PASS    |
|           | Ant1    | 2452    | -21.24               | ≤8              | PASS    |
|           | Ant2    | 2452    | -22.34               | ≤8              | PASS    |
|           | total   | 2452    | -18.74               | ≤8              | PASS    |

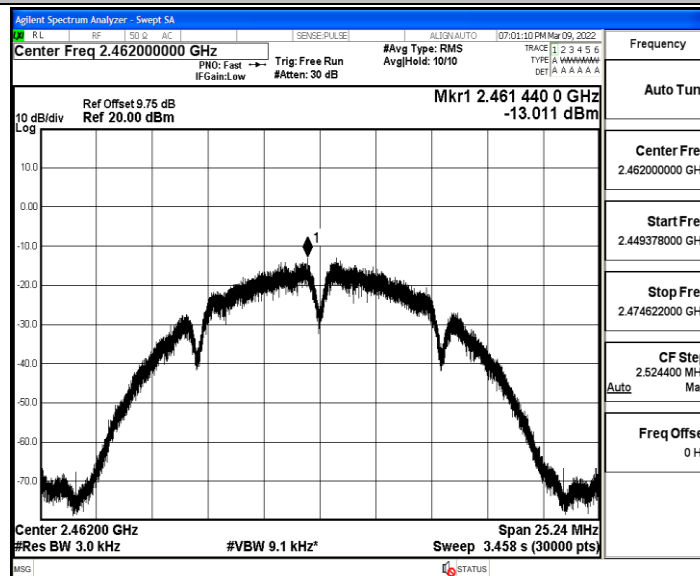
## Test Graphs



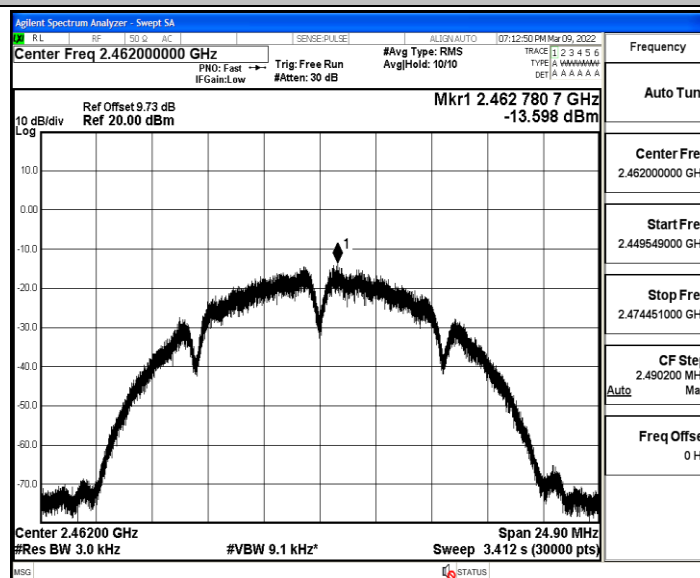
## 11B\_Ant2\_2437



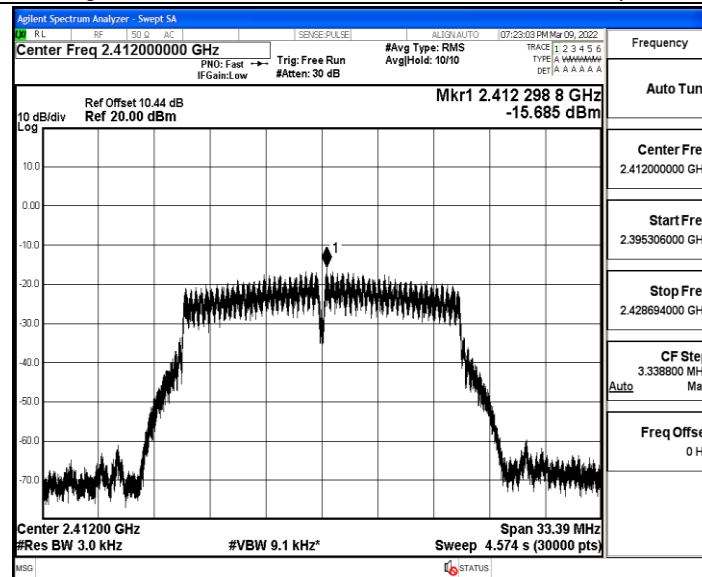
## 11B\_Ant1\_2462



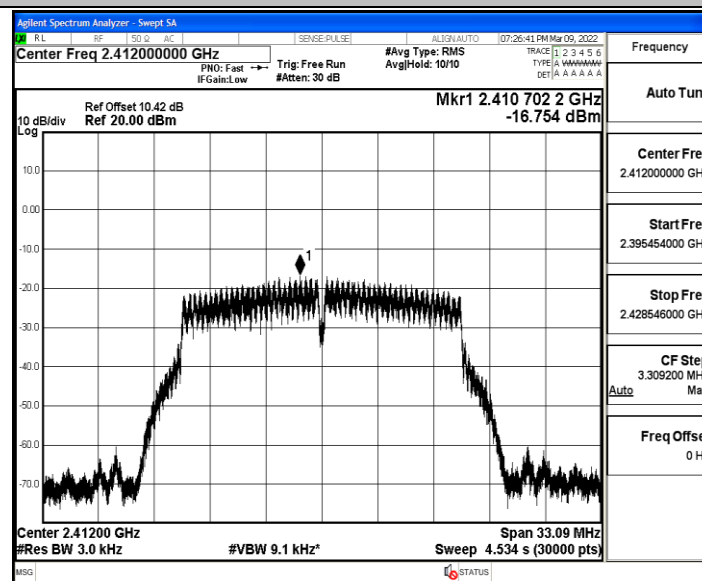
## 11B\_Ant2\_2462



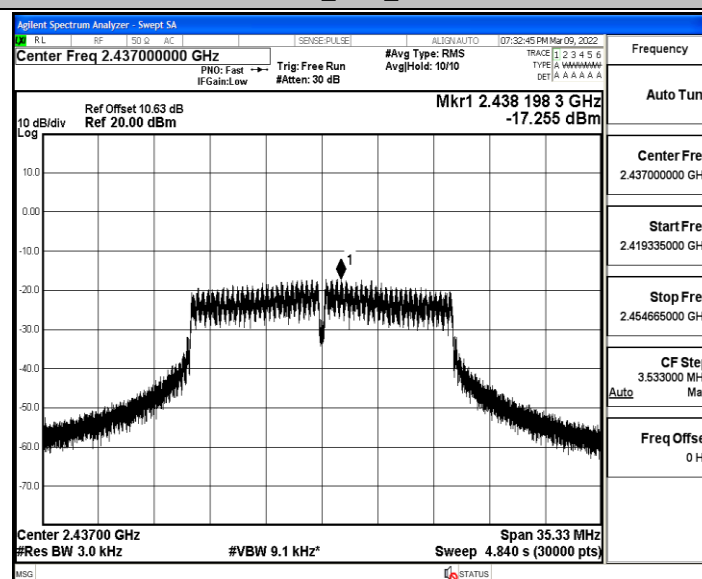
## 11G\_Ant1\_2412



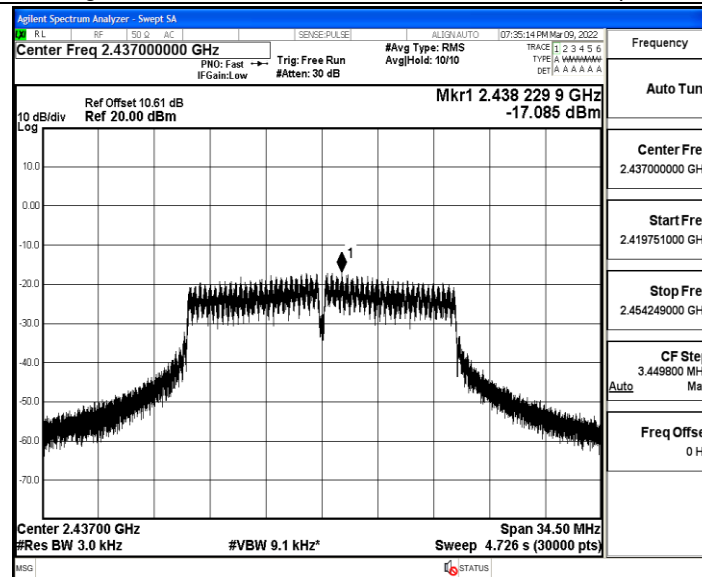
11G\_Ant2\_2412



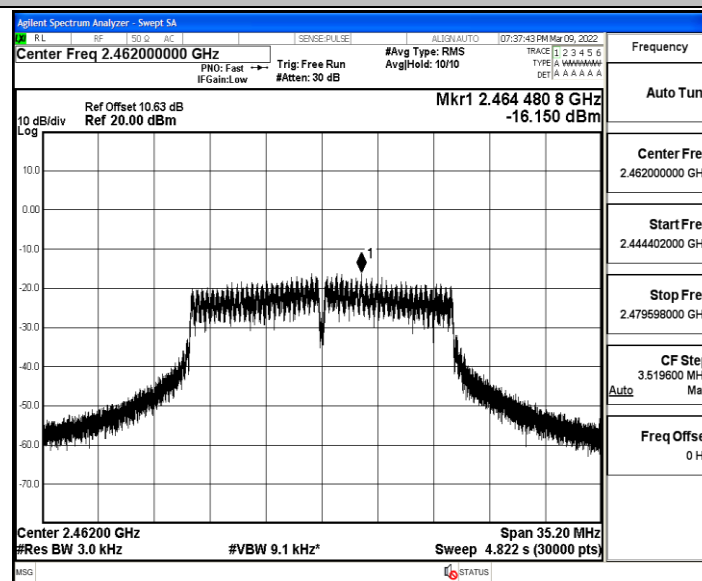
11G\_Ant1\_2437



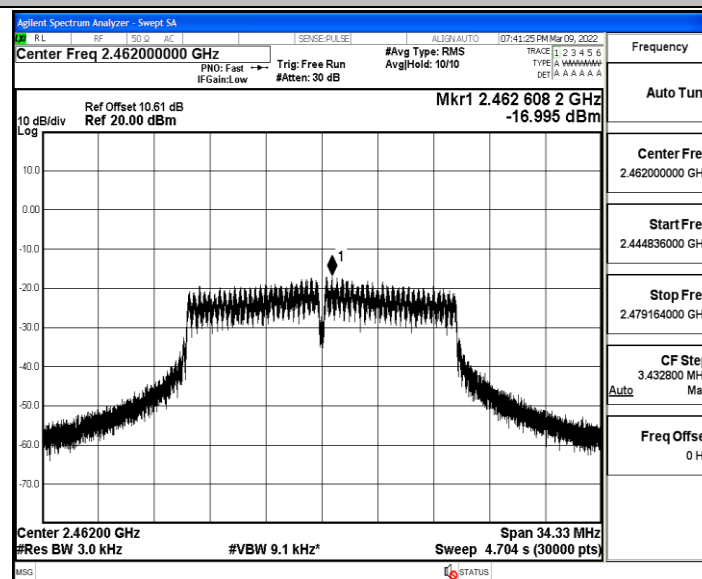
11G\_Ant2\_2437



11G\_Ant1\_2462

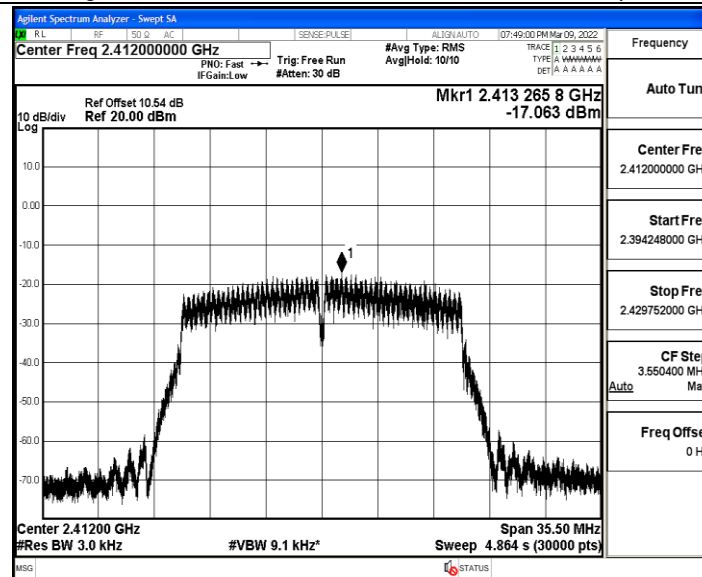


11G\_Ant2\_2462

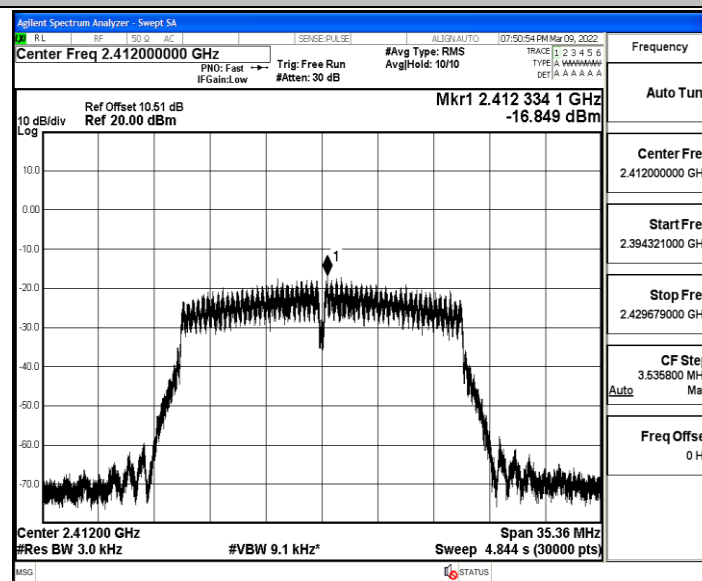


11N20MIMO\_Ant1\_2412

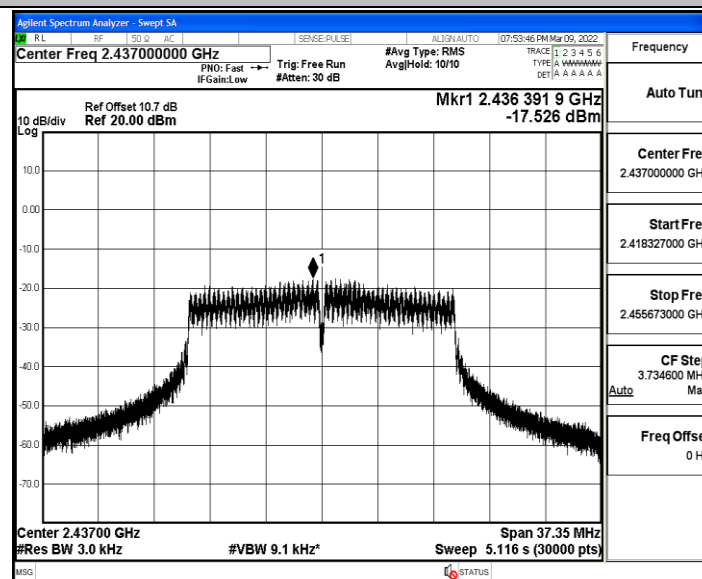




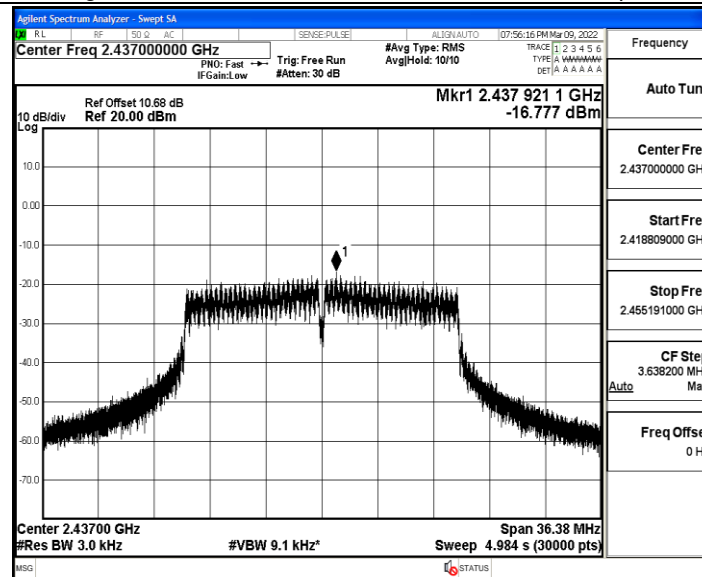
11N20MIMO\_Ant2\_2412



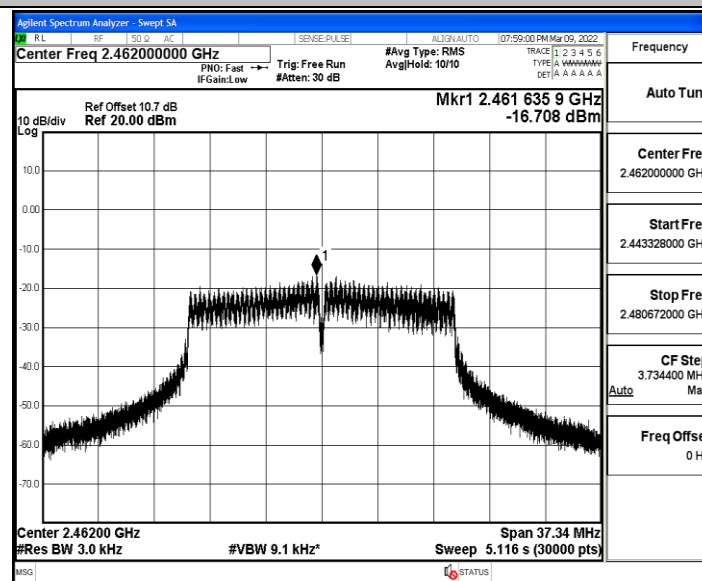
11N20MIMO\_Ant1\_2437



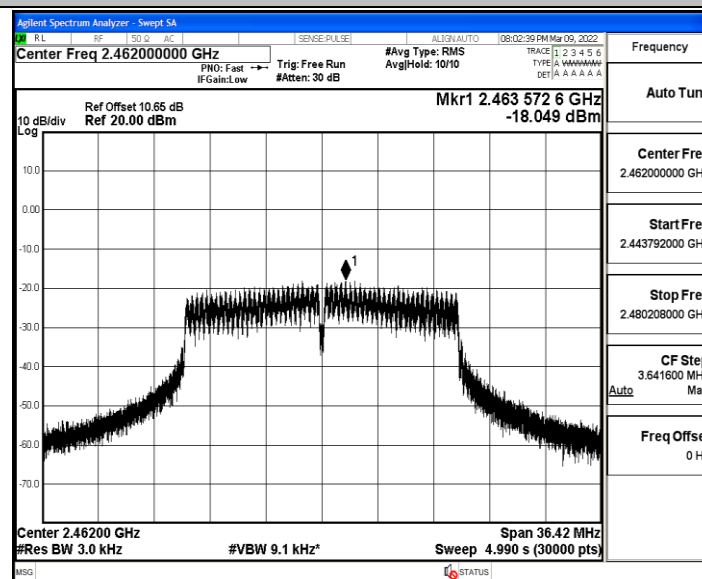
11N20MIMO\_Ant2\_2437



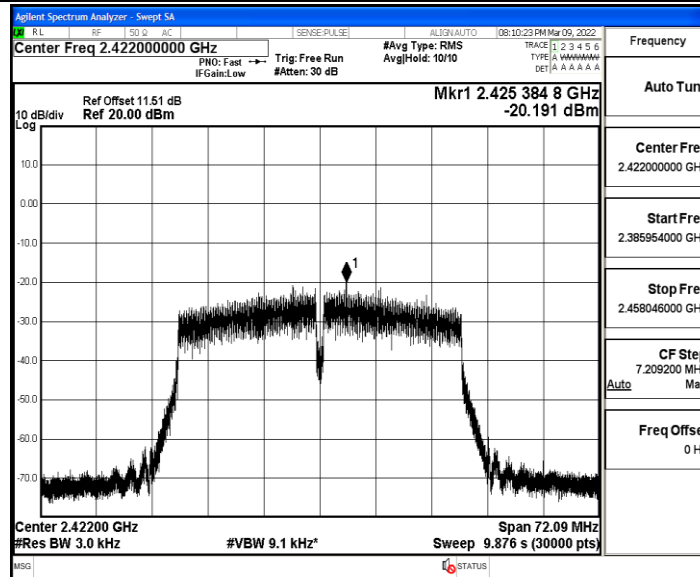
11N20MIMO\_Ant1\_2462



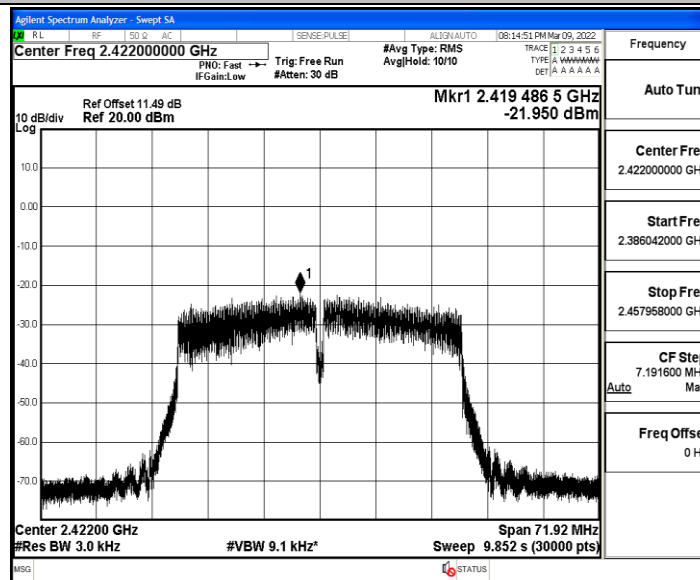
11N20MIMO\_Ant2\_2462



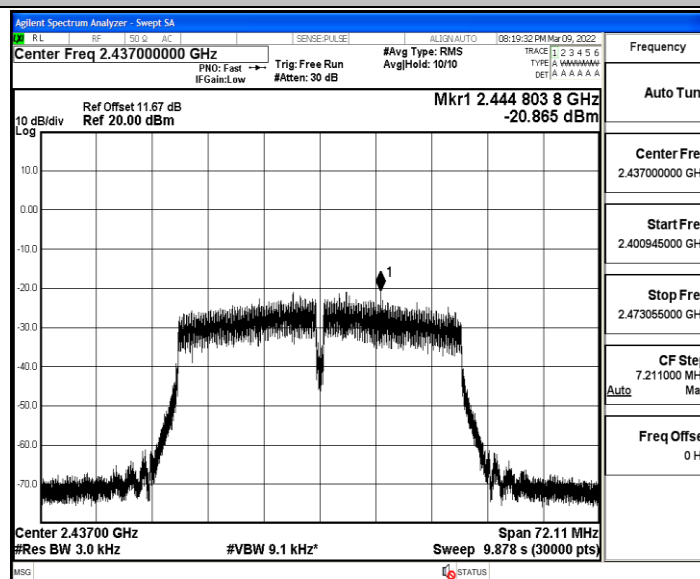
11N40MIMO\_Ant1\_2422



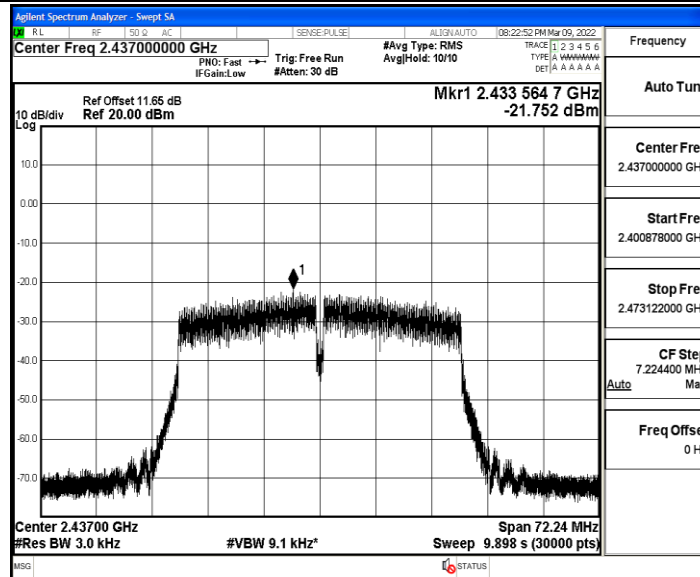
11N40MIMO\_Ant2\_2422



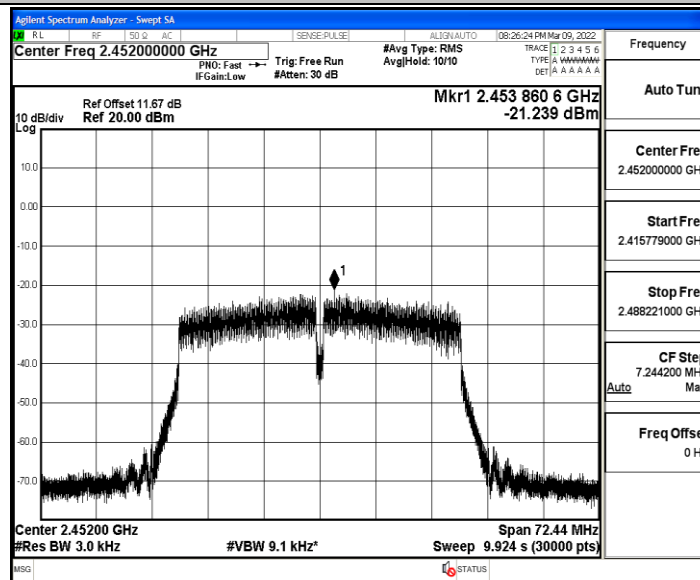
11N40MIMO\_Ant1\_2437



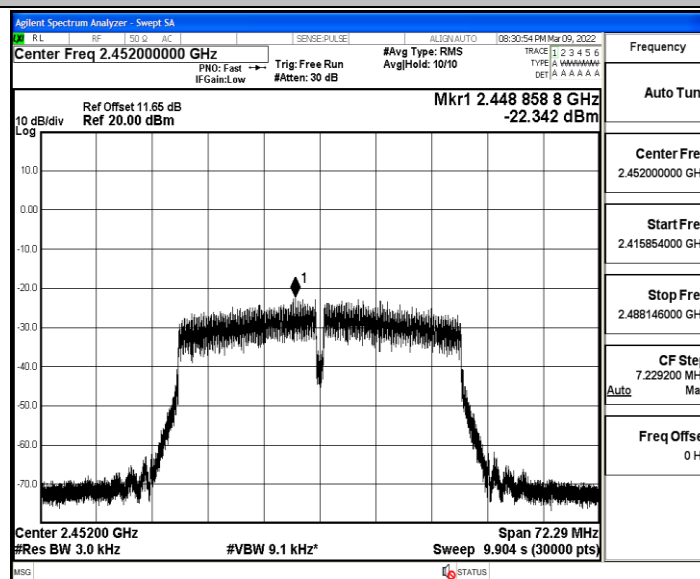
11N40MIMO\_Ant2\_2437



11N40MIMO\_Ant1\_2452



11N40MIMO\_Ant2\_2452



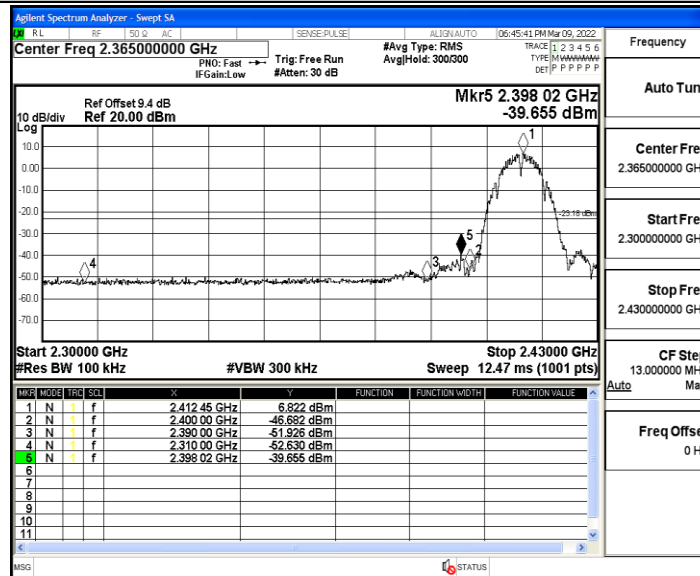
## Appendix E: Band edge measurements

### Test Result

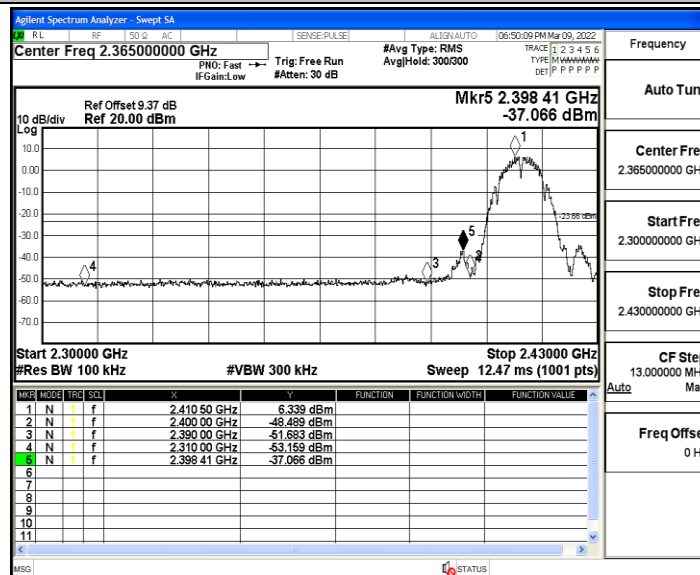
| TestMode  | Antenna | ChName | Channel | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|--------|---------|---------------|-------------|------------|---------|
| 11B       | Ant1    | Low    | 2412    | 6.82          | -39.66      | ≤-23.18    | PASS    |
|           | Ant2    | Low    | 2412    | 6.34          | -37.07      | ≤-23.66    | PASS    |
|           | Ant1    | High   | 2462    | 7.42          | -47.3       | ≤-22.59    | PASS    |
|           | Ant2    | High   | 2462    | 6.46          | -48.65      | ≤-23.54    | PASS    |
| 11G       | Ant1    | Low    | 2412    | 4.43          | -42.43      | ≤-25.57    | PASS    |
|           | Ant2    | Low    | 2412    | 3.59          | -41.67      | ≤-26.41    | PASS    |
|           | Ant1    | High   | 2462    | 4.12          | -46.36      | ≤-25.88    | PASS    |
|           | Ant2    | High   | 2462    | 3.72          | -47.19      | ≤-26.28    | PASS    |
| 11N20MIMO | Ant1    | Low    | 2412    | 3.22          | -42.91      | ≤-26.78    | PASS    |
|           | Ant2    | Low    | 2412    | 3.30          | -43.17      | ≤-26.7     | PASS    |
|           | Ant1    | High   | 2462    | 3.37          | -47.76      | ≤-26.63    | PASS    |
|           | Ant2    | High   | 2462    | 2.87          | -47.56      | ≤-27.13    | PASS    |
| 11N40MIMO | Ant1    | Low    | 2422    | -0.98         | -39.49      | ≤-30.98    | PASS    |
|           | Ant2    | Low    | 2422    | -1.19         | -43.31      | ≤-31.19    | PASS    |
|           | Ant1    | High   | 2452    | -1.03         | -44.29      | ≤-31.03    | PASS    |
|           | Ant2    | High   | 2452    | -1.80         | -47.45      | ≤-31.8     | PASS    |

## Test Graphs

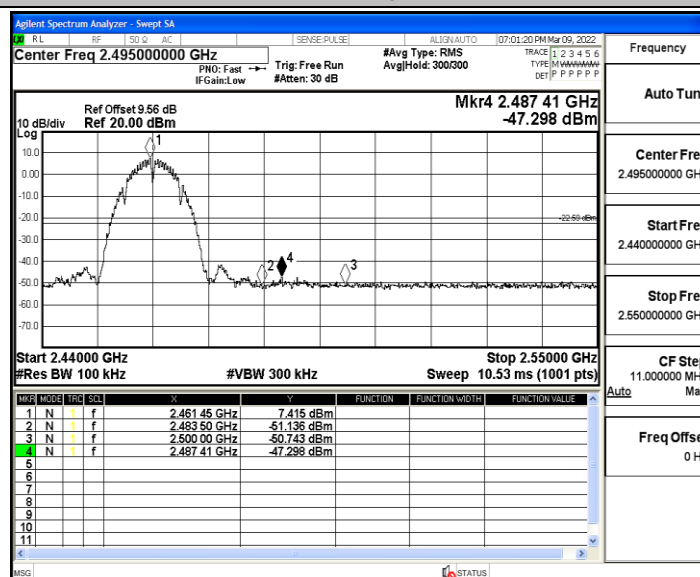
11B\_Ant1\_Low\_2412



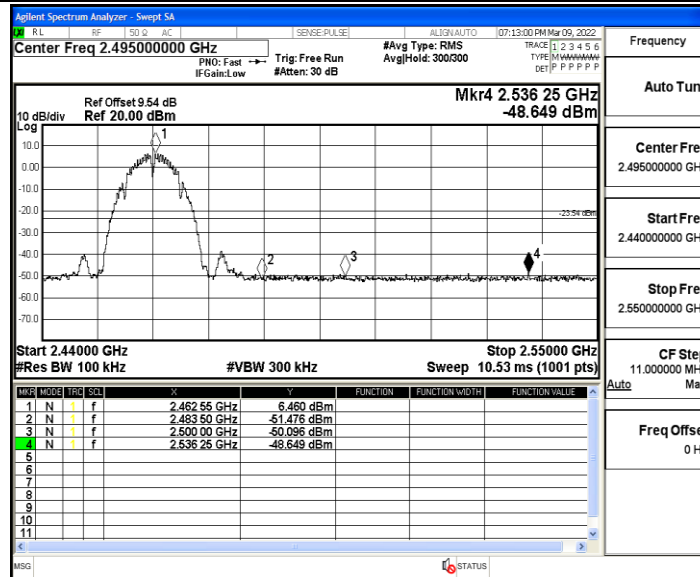
11B\_Ant2\_Low\_2412



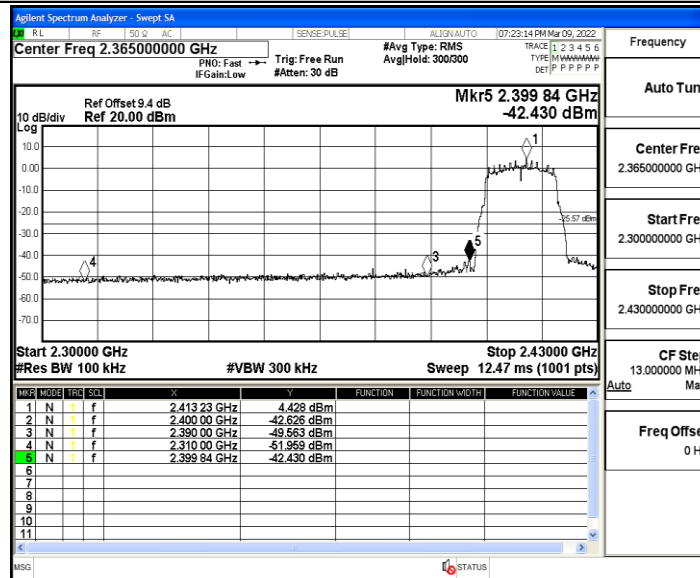
11B\_Ant1\_High\_2462



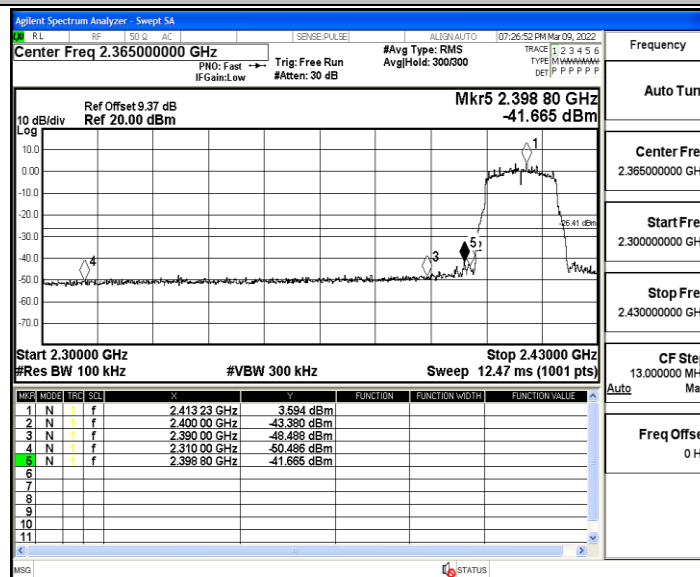
11B\_Ant2\_High\_2462



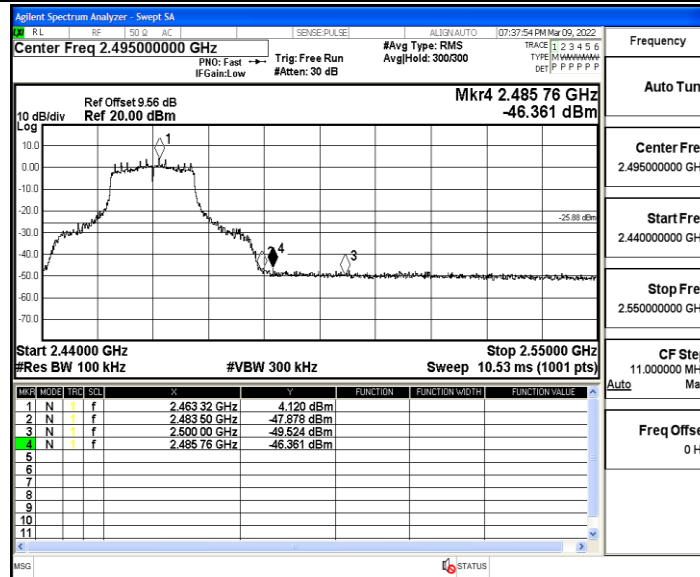
11G\_Ant1\_Low\_2412



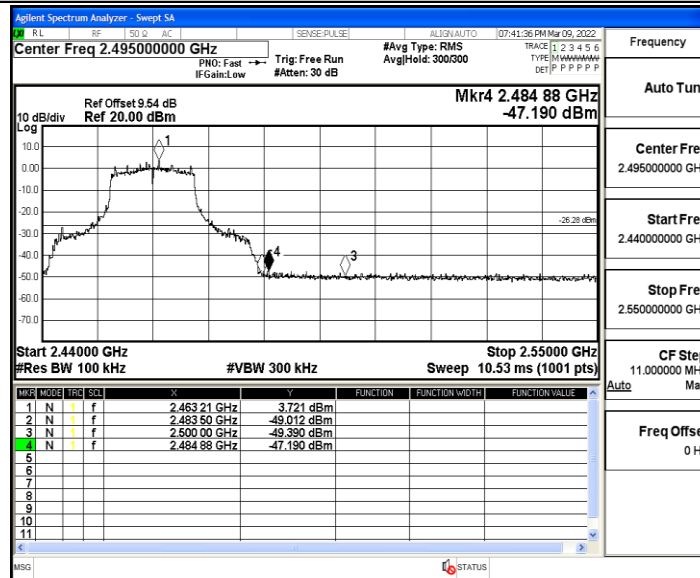
11G\_Ant2\_Low\_2412



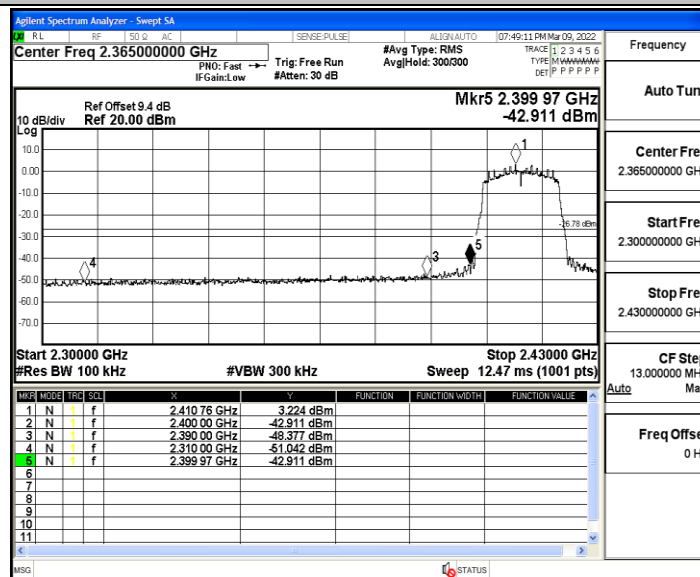
11G\_Ant1\_High\_2462



11G\_Ant2\_High\_2462

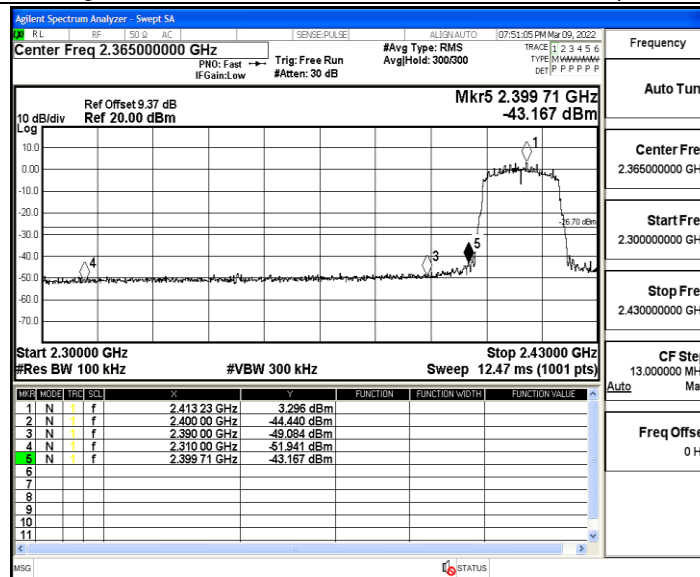


11N20MIMO\_Ant1\_Low\_2412

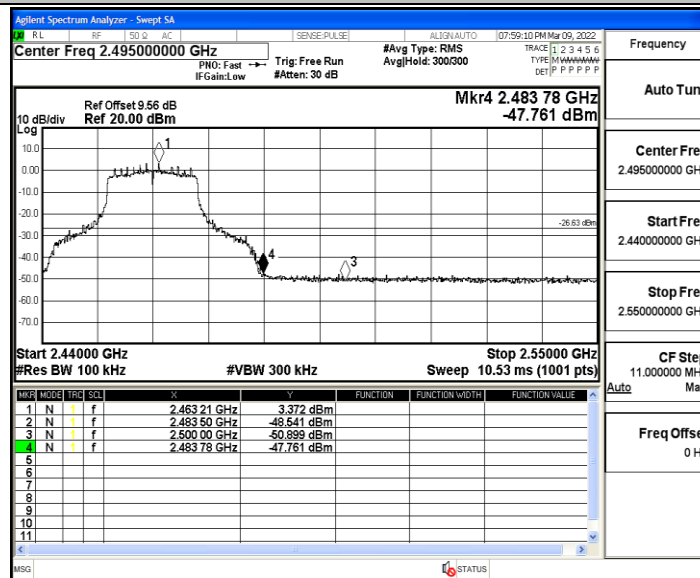


11N20MIMO\_Ant2\_Low\_2412

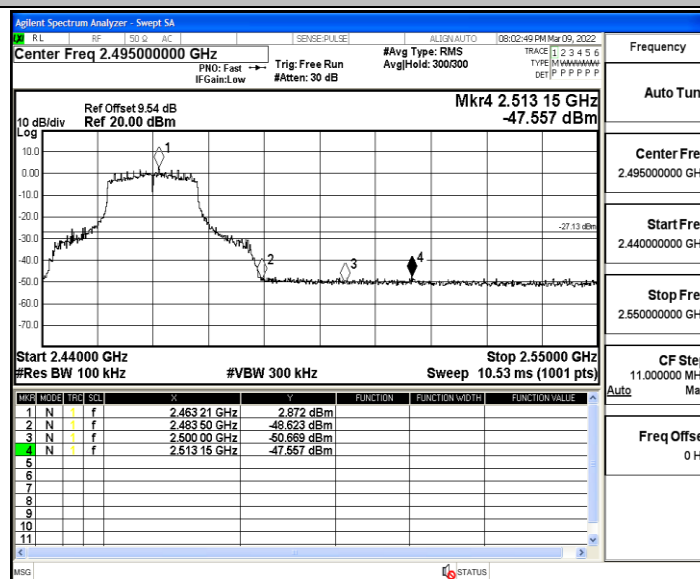




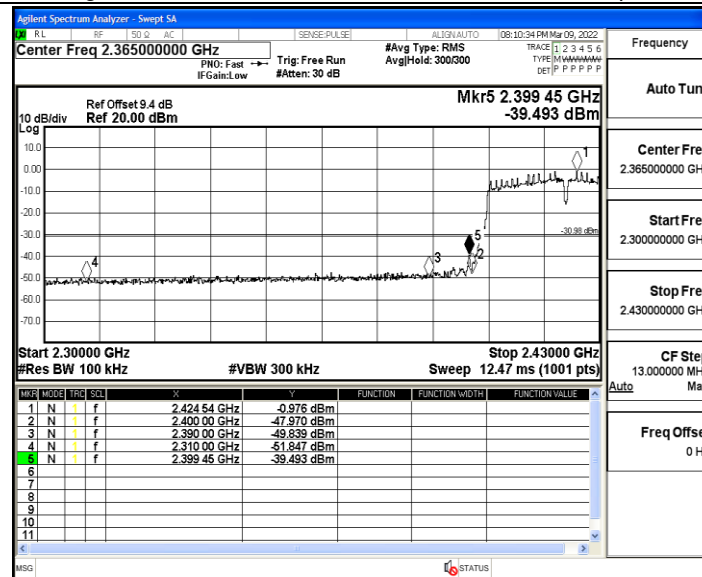
11N20MIMO\_Ant1\_High\_2462



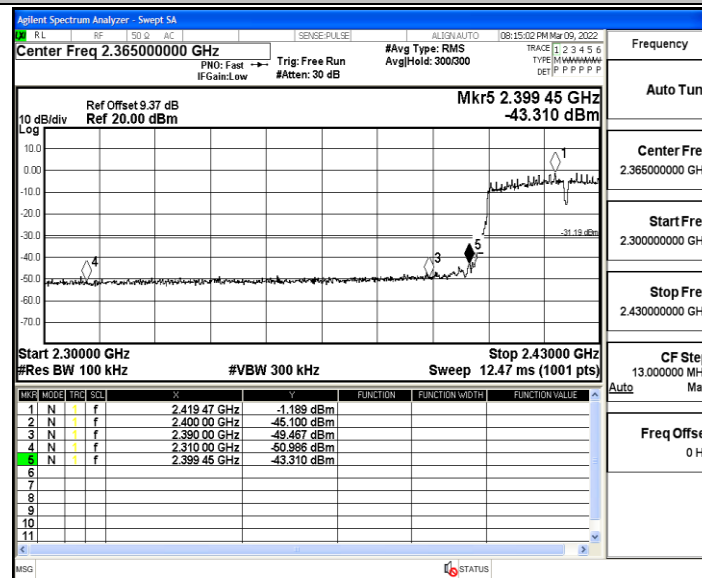
11N20MIMO\_Ant2\_High\_2462



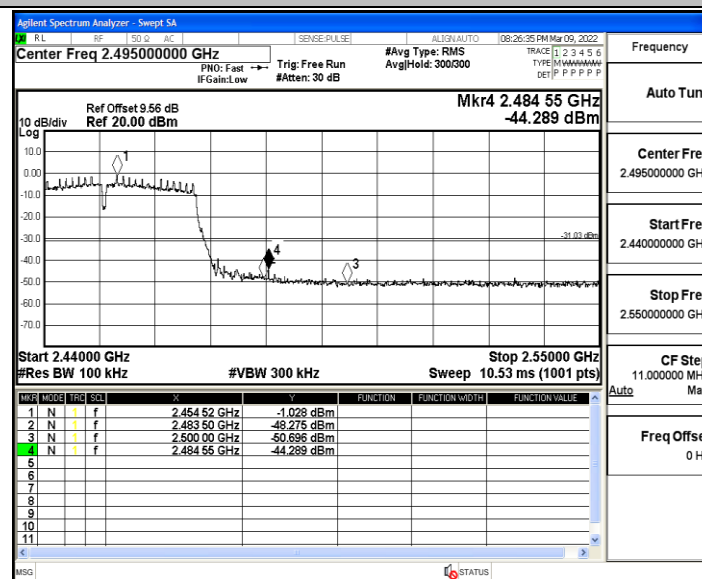
11N40MIMO\_Ant1\_Low\_2422



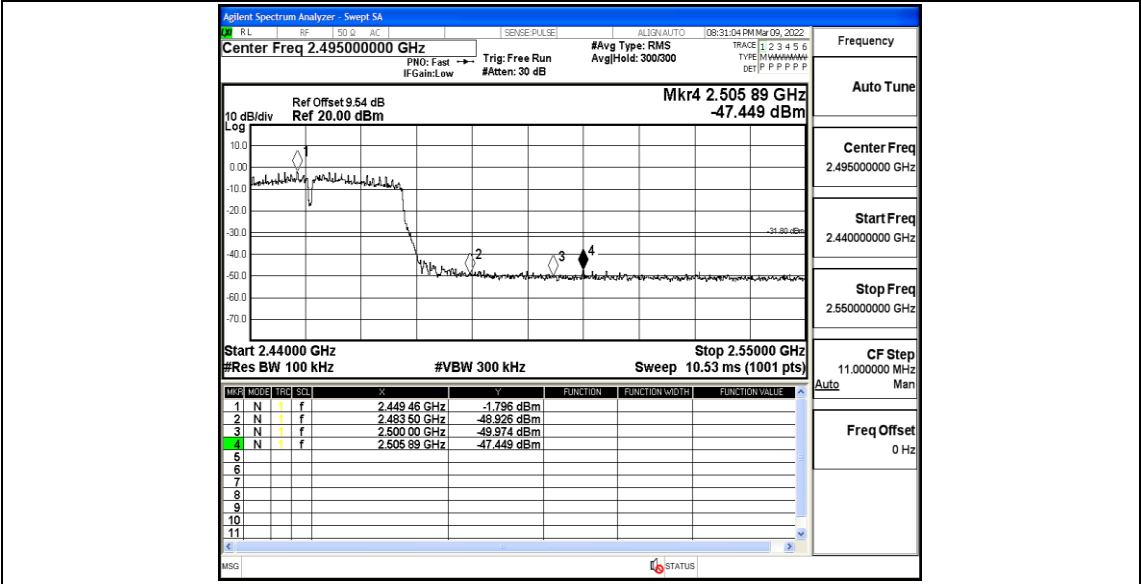
11N40MIMO\_Ant2\_Low\_2422



11N40MIMO\_Ant1\_High\_2452



11N40MIMO\_Ant2\_High\_2452



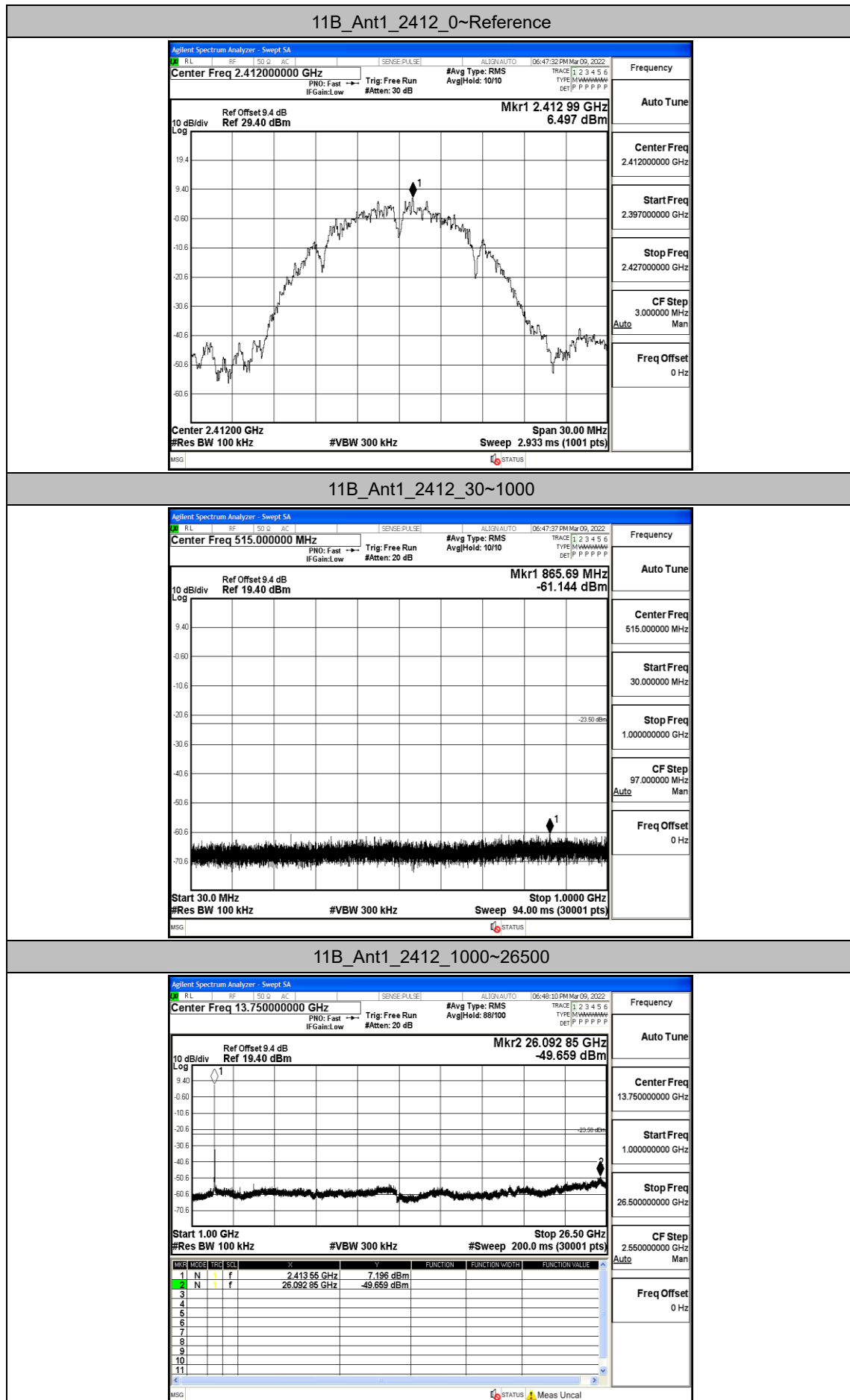
## Appendix F: Conducted Spurious Emission

### Test Result

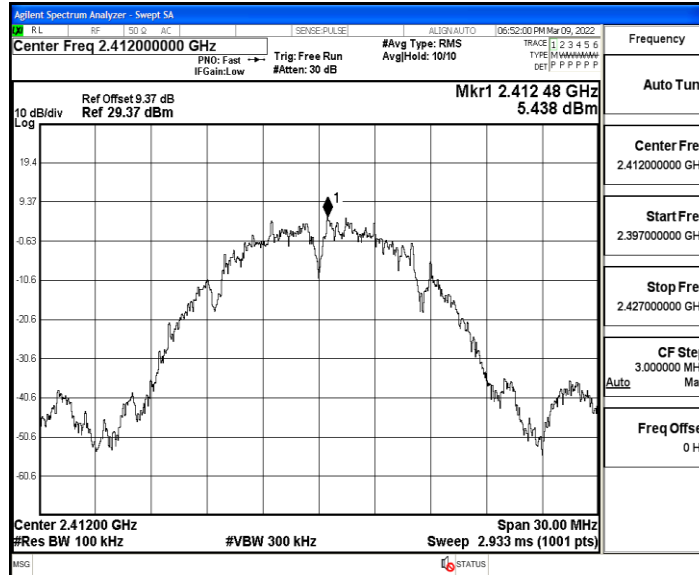
| TestMode  | Antenna | Channel | FreqRange<br>[Mhz] | RefLevel<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|-----------|---------|---------|--------------------|-------------------|-----------------|----------------|---------|
| 11B       | Ant1    | 2412    | Reference          | 6.50              | 6.50            | ---            | PASS    |
|           |         |         | 30~1000            | 6.50              | -61.14          | ≤-23.5         | PASS    |
|           |         |         | 1000~26500         | 6.50              | -49.66          | ≤-23.5         | PASS    |
|           | Ant2    | 2412    | Reference          | 5.44              | 5.44            | ---            | PASS    |
|           |         |         | 30~1000            | 5.44              | -60.98          | ≤-24.56        | PASS    |
|           |         |         | 1000~26500         | 5.44              | -49.09          | ≤-24.56        | PASS    |
|           | Ant1    | 2437    | Reference          | 5.81              | 5.81            | ---            | PASS    |
|           |         |         | 30~1000            | 5.81              | -60.69          | ≤-24.19        | PASS    |
|           |         |         | 1000~26500         | 5.81              | -49.57          | ≤-24.19        | PASS    |
|           | Ant2    | 2437    | Reference          | 5.41              | 5.41            | ---            | PASS    |
|           |         |         | 30~1000            | 5.41              | -60.59          | ≤-24.59        | PASS    |
|           |         |         | 1000~26500         | 5.41              | -48.79          | ≤-24.59        | PASS    |
|           | Ant1    | 2462    | Reference          | 5.74              | 5.74            | ---            | PASS    |
|           |         |         | 30~1000            | 5.74              | -61.08          | ≤-24.26        | PASS    |
|           |         |         | 1000~26500         | 5.74              | -49.66          | ≤-24.26        | PASS    |
|           | Ant2    | 2462    | Reference          | 5.52              | 5.52            | ---            | PASS    |
|           |         |         | 30~1000            | 5.52              | -60.06          | ≤-24.48        | PASS    |
|           |         |         | 1000~26500         | 5.52              | -49.95          | ≤-24.48        | PASS    |
| 11G       | Ant1    | 2412    | Reference          | 1.13              | 1.13            | ---            | PASS    |
|           |         |         | 30~1000            | 1.13              | -60.7           | ≤-28.87        | PASS    |
|           |         |         | 1000~26500         | 1.13              | -49.67          | ≤-28.87        | PASS    |
|           | Ant2    | 2412    | Reference          | 0.93              | 0.93            | ---            | PASS    |
|           |         |         | 30~1000            | 0.93              | -60.73          | ≤-29.07        | PASS    |
|           |         |         | 1000~26500         | 0.93              | -49.07          | ≤-29.07        | PASS    |
|           | Ant1    | 2437    | Reference          | 1.95              | 1.95            | ---            | PASS    |
|           |         |         | 30~1000            | 1.95              | -61.06          | ≤-28.05        | PASS    |
|           |         |         | 1000~26500         | 1.95              | -48.86          | ≤-28.05        | PASS    |
|           | Ant2    | 2437    | Reference          | 0.61              | 0.61            | ---            | PASS    |
|           |         |         | 30~1000            | 0.61              | -60.75          | ≤-29.39        | PASS    |
|           |         |         | 1000~26500         | 0.61              | -48.38          | ≤-29.39        | PASS    |
|           | Ant1    | 2462    | Reference          | 0.33              | 0.33            | ---            | PASS    |
|           |         |         | 30~1000            | 0.33              | -60.65          | ≤-29.67        | PASS    |
|           |         |         | 1000~26500         | 0.33              | -47.75          | ≤-29.67        | PASS    |
|           | Ant2    | 2462    | Reference          | 0.89              | 0.89            | ---            | PASS    |
|           |         |         | 30~1000            | 0.89              | -59.86          | ≤-29.11        | PASS    |
|           |         |         | 1000~26500         | 0.89              | -49.31          | ≤-29.11        | PASS    |
| 11N20MIMO | Ant1    | 2412    | Reference          | -0.42             | -0.42           | ---            | PASS    |
|           |         |         | 30~1000            | -0.42             | -60.96          | ≤-30.42        | PASS    |
|           |         |         | 1000~26500         | -0.42             | -49.73          | ≤-30.42        | PASS    |
|           | Ant2    | 2412    | Reference          | 0.65              | 0.65            | ---            | PASS    |

| TestMode  | Antenna | Channel | FreqRange<br>[Mhz] | RefLevel<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|-----------|---------|---------|--------------------|-------------------|-----------------|----------------|---------|
|           |         |         | 30~1000            | 0.65              | -60.84          | ≤-29.35        | PASS    |
|           |         |         | 1000~26500         | 0.65              | -49.03          | ≤-29.35        | PASS    |
|           | Ant1    | 2437    | Reference          | 0.29              | 0.29            | ---            | PASS    |
|           |         |         | 30~1000            | 0.29              | -61.03          | ≤-29.71        | PASS    |
|           |         |         | 1000~26500         | 0.29              | -48.95          | ≤-29.71        | PASS    |
|           | Ant2    | 2437    | Reference          | -0.34             | -0.34           | ---            | PASS    |
|           |         |         | 30~1000            | -0.34             | -60.95          | ≤-30.34        | PASS    |
|           |         |         | 1000~26500         | -0.34             | -48.94          | ≤-30.34        | PASS    |
|           | Ant1    | 2462    | Reference          | 0.01              | 0.01            | ---            | PASS    |
|           |         |         | 30~1000            | 0.01              | -60.99          | ≤-29.99        | PASS    |
|           |         |         | 1000~26500         | 0.01              | -50.14          | ≤-29.99        | PASS    |
|           | Ant2    | 2462    | Reference          | -0.22             | -0.22           | ---            | PASS    |
|           |         |         | 30~1000            | -0.22             | -61.51          | ≤-30.22        | PASS    |
|           |         |         | 1000~26500         | -0.22             | -48.87          | ≤-30.22        | PASS    |
| 11N40MIMO | Ant1    | 2422    | Reference          | -1.75             | -1.75           | ---            | PASS    |
|           |         |         | 30~1000            | -1.75             | -61.71          | ≤-31.75        | PASS    |
|           |         |         | 1000~26500         | -1.75             | -50.3           | ≤-31.75        | PASS    |
|           | Ant2    | 2422    | Reference          | -3.03             | -3.03           | ---            | PASS    |
|           |         |         | 30~1000            | -3.03             | -61.02          | ≤-33.03        | PASS    |
|           |         |         | 1000~26500         | -3.03             | -50.29          | ≤-33.03        | PASS    |
|           | Ant1    | 2437    | Reference          | -1.71             | -1.71           | ---            | PASS    |
|           |         |         | 30~1000            | -1.71             | -59.96          | ≤-31.71        | PASS    |
|           |         |         | 1000~26500         | -1.71             | -49.94          | ≤-31.71        | PASS    |
|           | Ant2    | 2437    | Reference          | -4.28             | -4.28           | ---            | PASS    |
|           |         |         | 30~1000            | -4.28             | -60.7           | ≤-34.28        | PASS    |
|           |         |         | 1000~26500         | -4.28             | -49.3           | ≤-34.28        | PASS    |
|           | Ant1    | 2452    | Reference          | -2.25             | -2.25           | ---            | PASS    |
|           |         |         | 30~1000            | -2.25             | -61.56          | ≤-32.25        | PASS    |
|           |         |         | 1000~26500         | -2.25             | -49.32          | ≤-32.25        | PASS    |
|           | Ant2    | 2452    | Reference          | -2.64             | -2.64           | ---            | PASS    |
|           |         |         | 30~1000            | -2.64             | -61.08          | ≤-32.64        | PASS    |
|           |         |         | 1000~26500         | -2.64             | -49.92          | ≤-32.64        | PASS    |

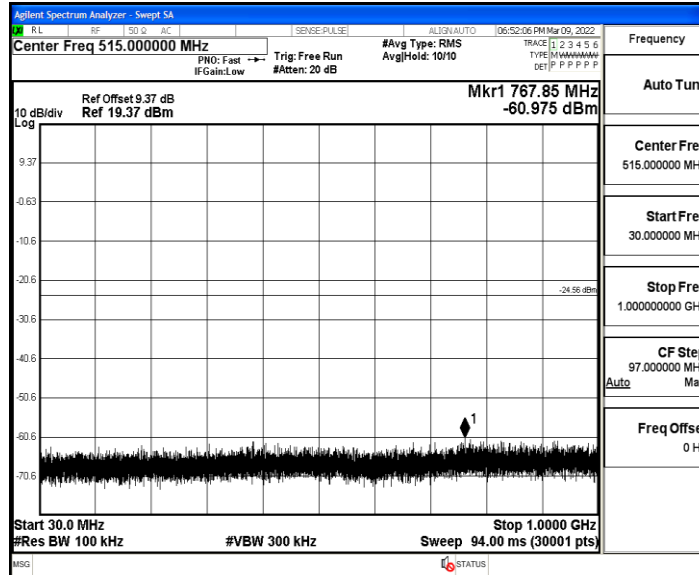
## Test Graphs



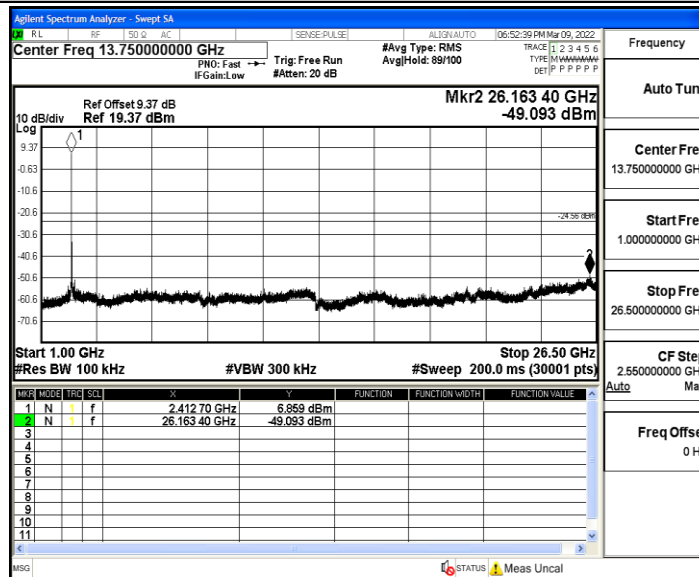
## 11B\_Ant2\_2412\_0~Reference



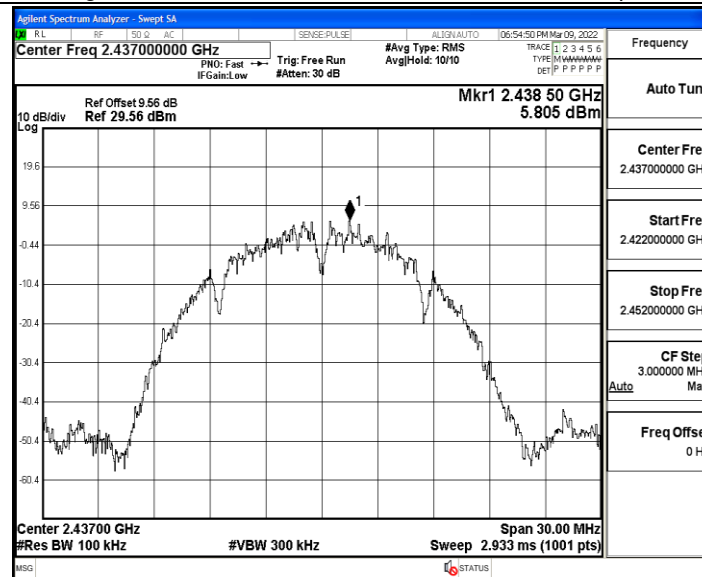
## 11B\_Ant2\_2412\_30~1000



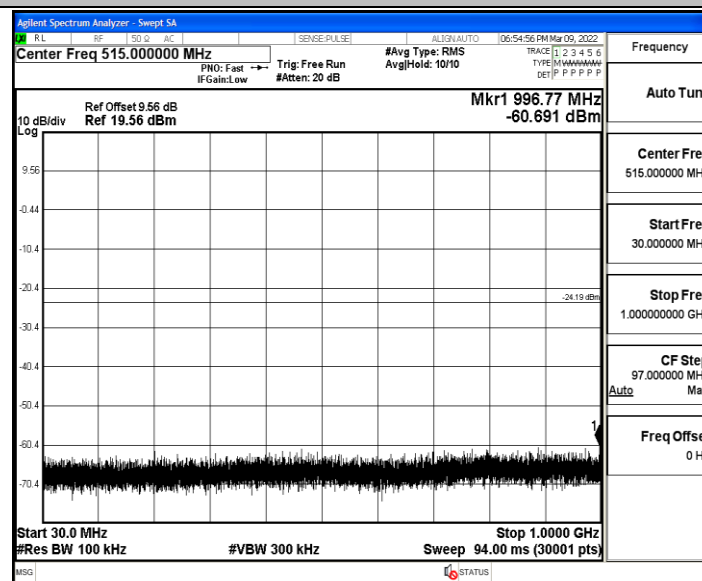
## 11B\_Ant2\_2412\_1000~26500



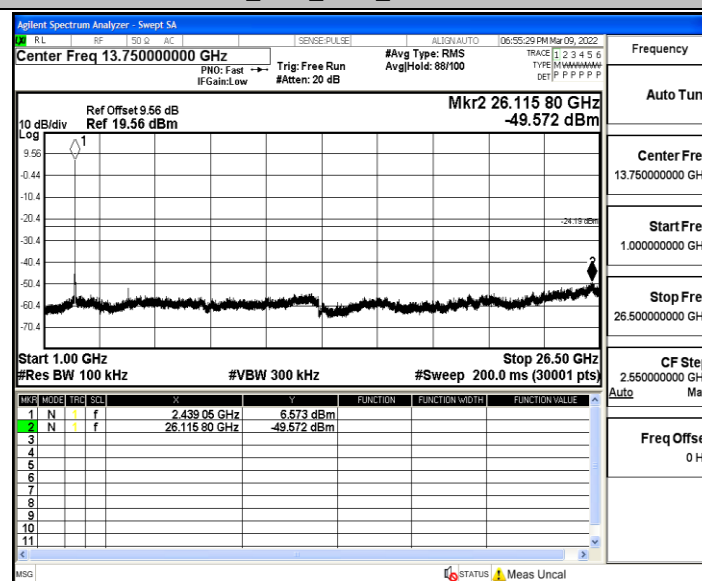
## 11B\_Ant1\_2437\_0~Reference



11B\_Ant1\_2437\_30~1000

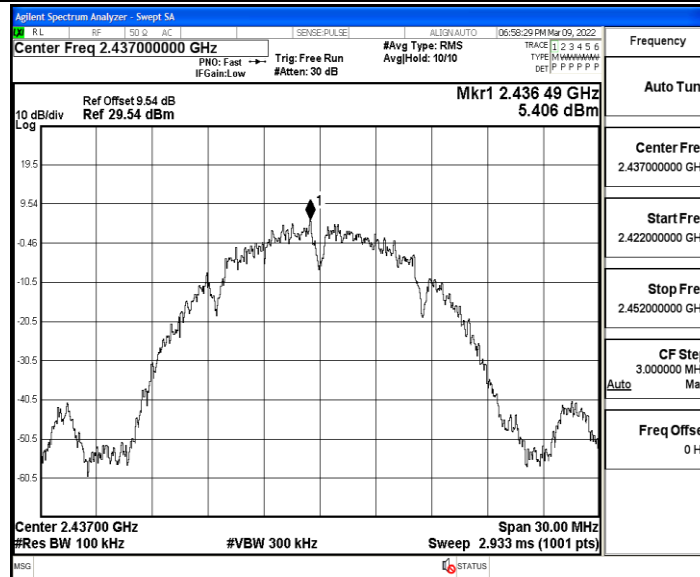


11B\_Ant1\_2437\_1000~26500

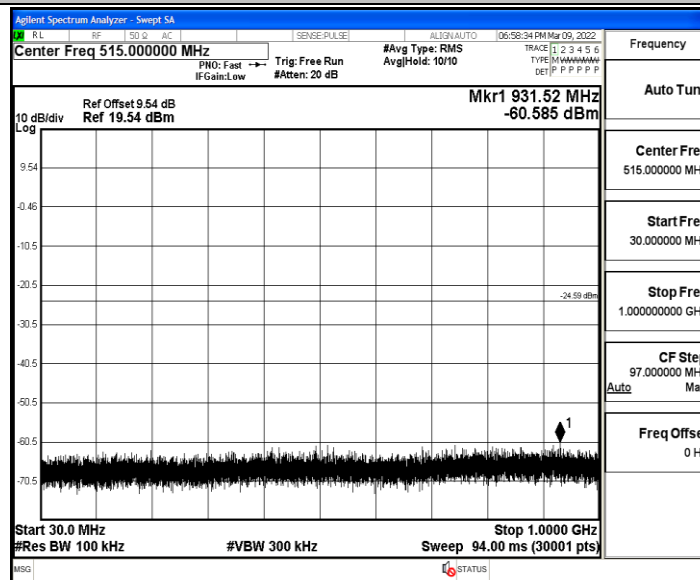


11B\_Ant2\_2437\_0~Reference

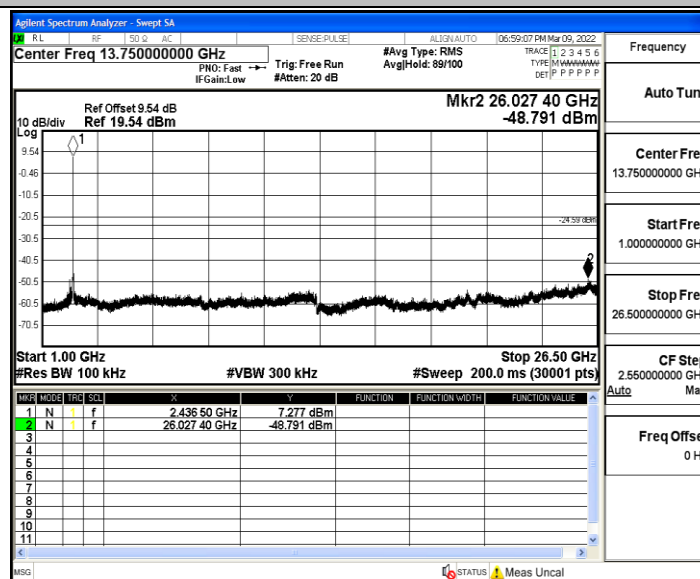




11B\_Ant2\_2437\_30~1000



11B\_Ant2\_2437\_1000~26500



11B\_Ant1\_2462\_0~Reference