

## RF Test Data for WLAN(2.4G) (Conducted Measurement)

Product Name: 4K HDMI Dongle

Trade Mark: N/A

Test Model: SN8BKCB

FCC ID: 2AOVU-SN8BKCX

### 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       |

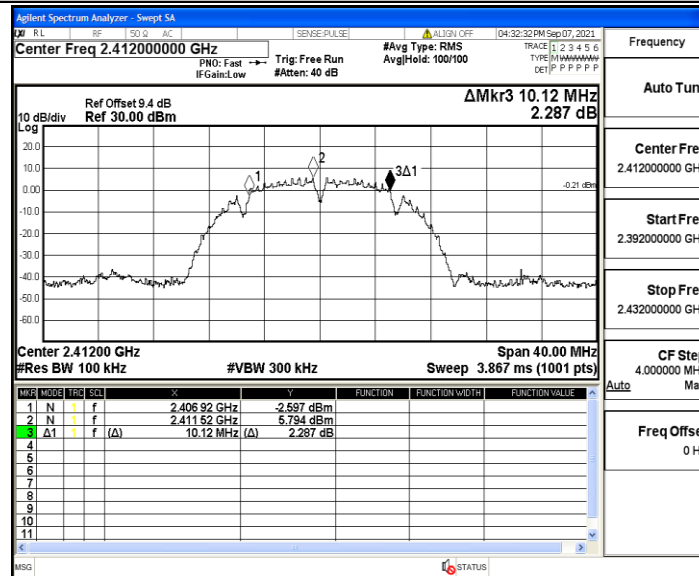
## Appendix A: DTS Bandwidth

### Test Result

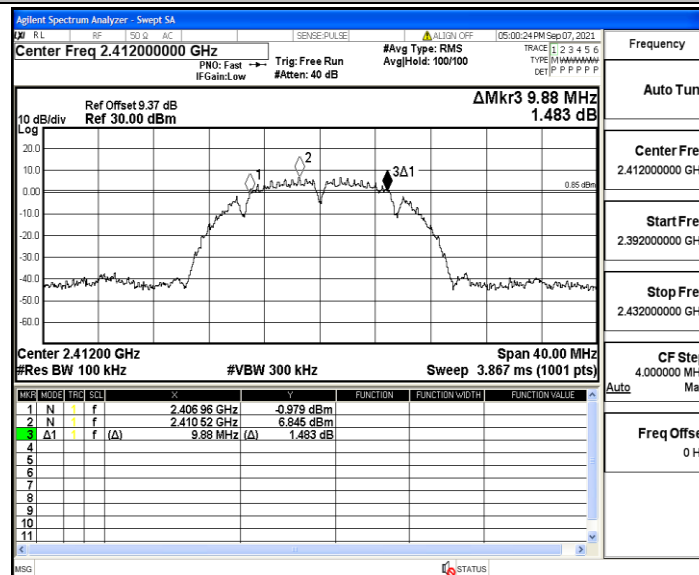
| TestMode  | Antenna | Channel | DTS BW<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|---------|-----------------|----------|----------|------------|---------|
| 11B       | Ant1    | 2412    | 10.120          | 2406.920 | 2417.040 | 0.5        | PASS    |
|           | Ant2    | 2412    | 9.880           | 2406.960 | 2416.840 | 0.5        | PASS    |
|           | Ant1    | 2437    | 10.160          | 2431.920 | 2442.080 | 0.5        | PASS    |
|           | Ant2    | 2437    | 10.160          | 2431.920 | 2442.080 | 0.5        | PASS    |
|           | Ant1    | 2462    | 10.160          | 2456.920 | 2467.080 | 0.5        | PASS    |
|           | Ant2    | 2462    | 10.080          | 2456.960 | 2467.040 | 0.5        | PASS    |
| 11G       | Ant1    | 2412    | 16.440          | 2403.800 | 2420.240 | 0.5        | PASS    |
|           | Ant2    | 2412    | 16.480          | 2403.800 | 2420.280 | 0.5        | PASS    |
|           | Ant1    | 2437    | 16.440          | 2428.800 | 2445.240 | 0.5        | PASS    |
|           | Ant2    | 2437    | 16.600          | 2428.680 | 2445.280 | 0.5        | PASS    |
|           | Ant1    | 2462    | 16.440          | 2453.800 | 2470.240 | 0.5        | PASS    |
|           | Ant2    | 2462    | 16.480          | 2453.760 | 2470.240 | 0.5        | PASS    |
| 11N20MIMO | Ant1    | 2412    | 17.680          | 2403.160 | 2420.840 | 0.5        | PASS    |
|           | Ant2    | 2412    | 17.800          | 2403.120 | 2420.920 | 0.5        | PASS    |
|           | Ant1    | 2437    | 17.680          | 2428.160 | 2445.840 | 0.5        | PASS    |
|           | Ant2    | 2437    | 17.680          | 2428.160 | 2445.840 | 0.5        | PASS    |
|           | Ant1    | 2462    | 17.640          | 2453.200 | 2470.840 | 0.5        | PASS    |
|           | Ant2    | 2462    | 17.600          | 2453.200 | 2470.800 | 0.5        | PASS    |
| 11N40MIMO | Ant1    | 2422    | 35.840          | 2403.840 | 2439.680 | 0.5        | PASS    |
|           | Ant2    | 2422    | 35.840          | 2403.760 | 2439.600 | 0.5        | PASS    |
|           | Ant1    | 2437    | 36.480          | 2418.760 | 2455.240 | 0.5        | PASS    |
|           | Ant2    | 2437    | 35.520          | 2419.080 | 2454.600 | 0.5        | PASS    |
|           | Ant1    | 2452    | 35.280          | 2434.400 | 2469.680 | 0.5        | PASS    |
|           | Ant2    | 2452    | 35.840          | 2434.160 | 2470.000 | 0.5        | PASS    |

## Test Graphs

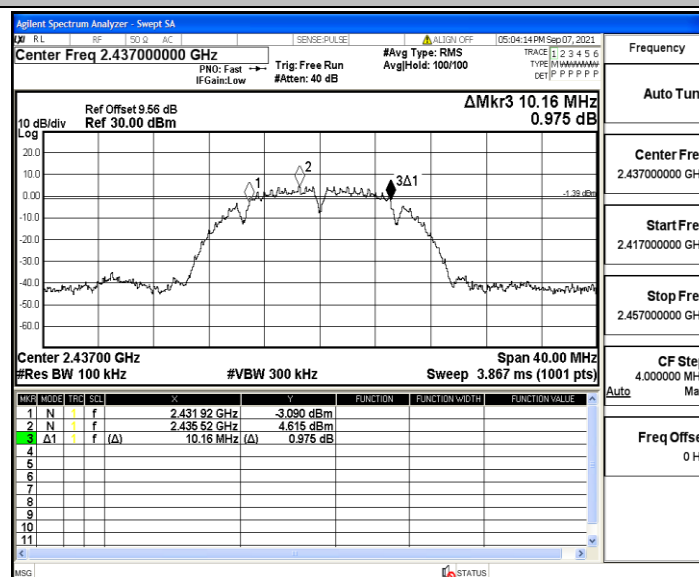
11B\_Ant1\_2412



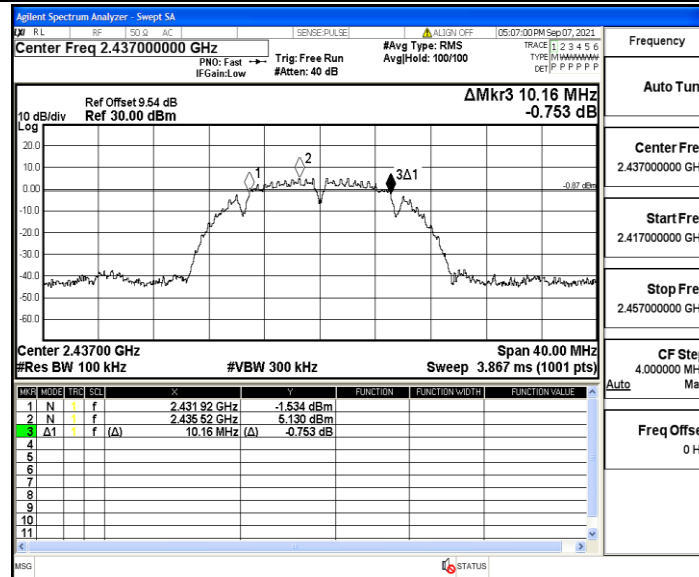
11B\_Ant2\_2412



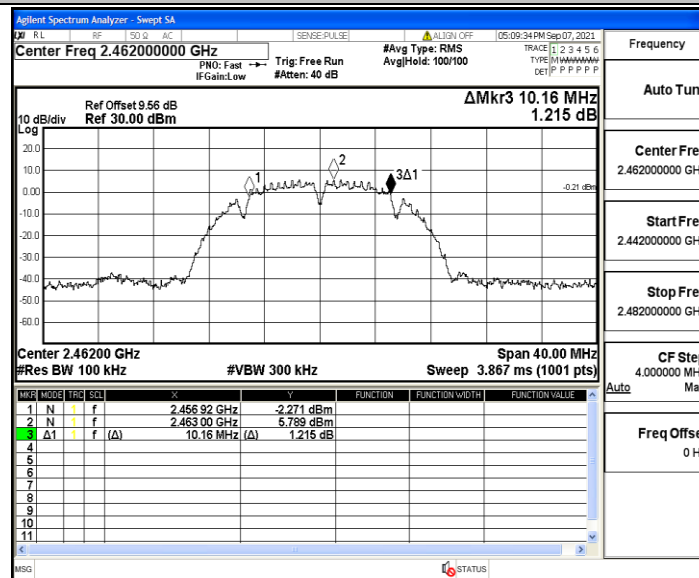
11B\_Ant1\_2437



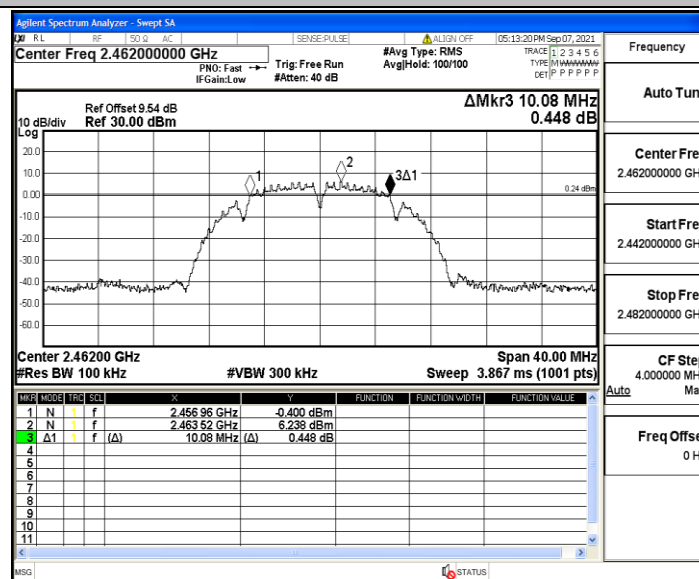
11B\_Ant2\_2437



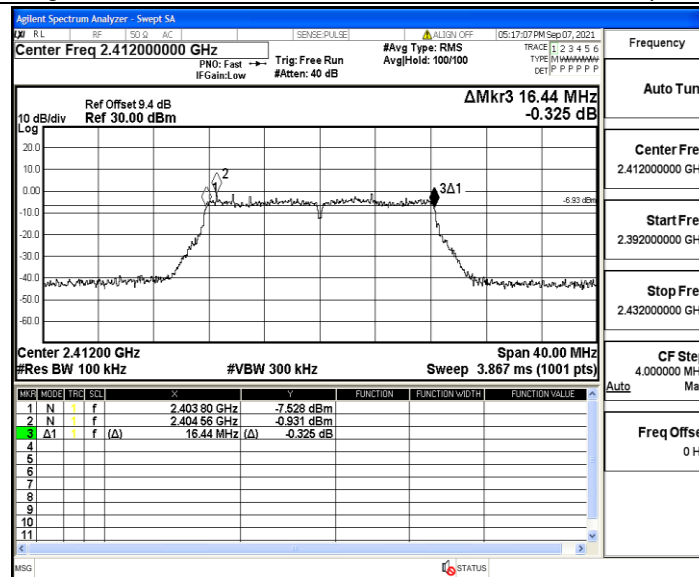
11B\_Ant1\_2462



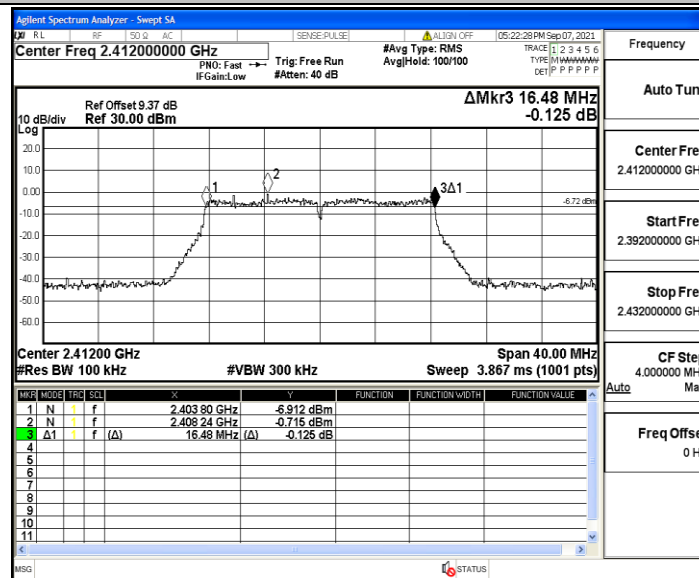
11B\_Ant2\_2462



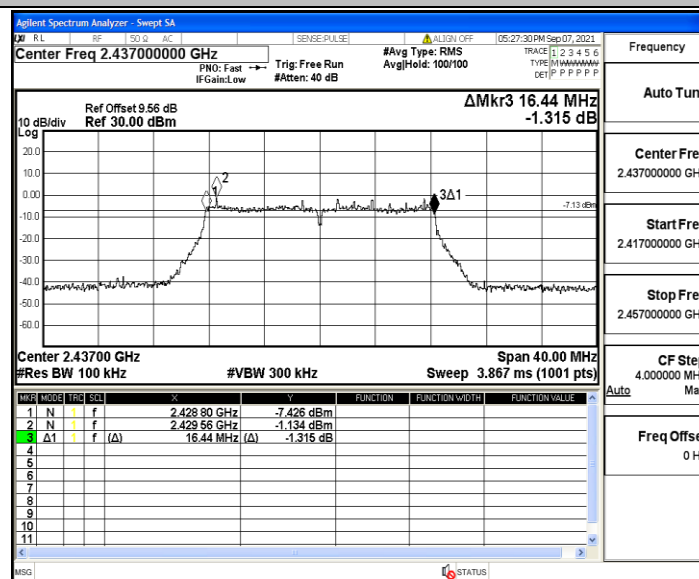
11G\_Ant1\_2412



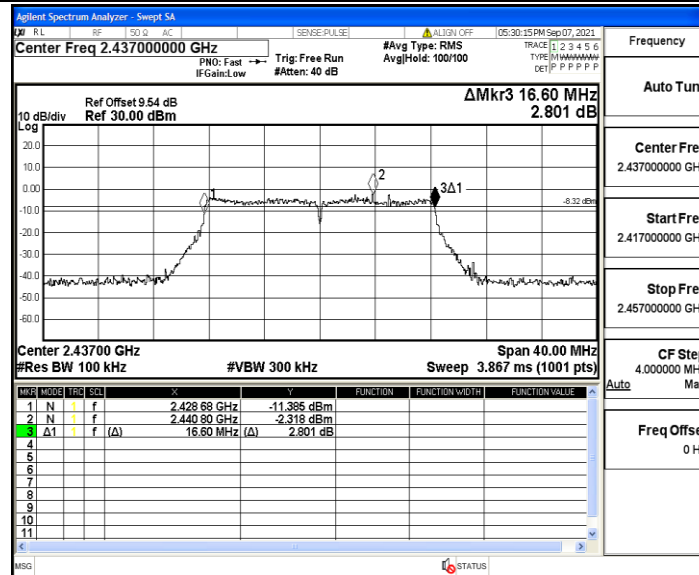
11G\_Ant2\_2412



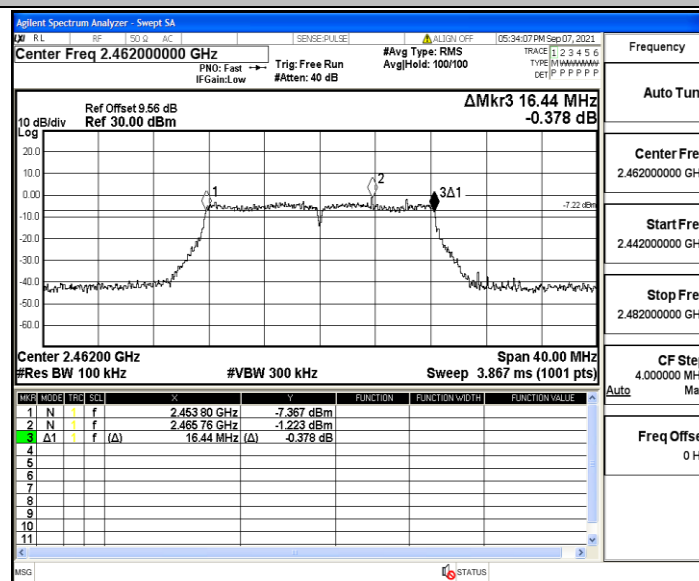
11G\_Ant1\_2437



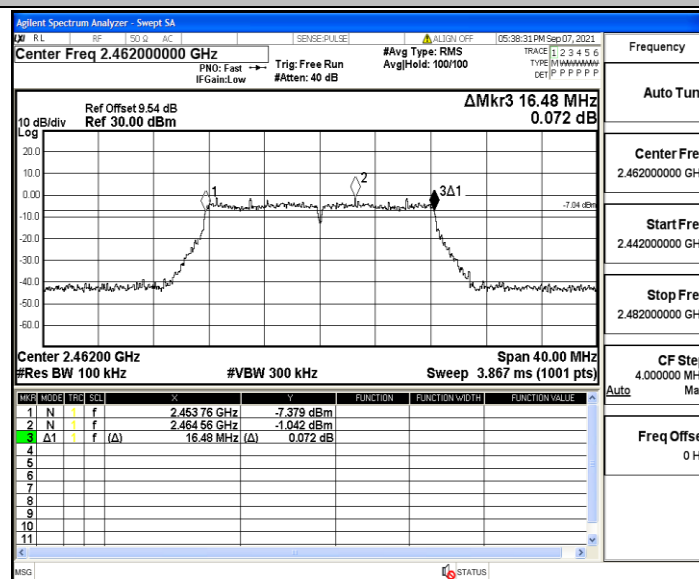
11G\_Ant2\_2437



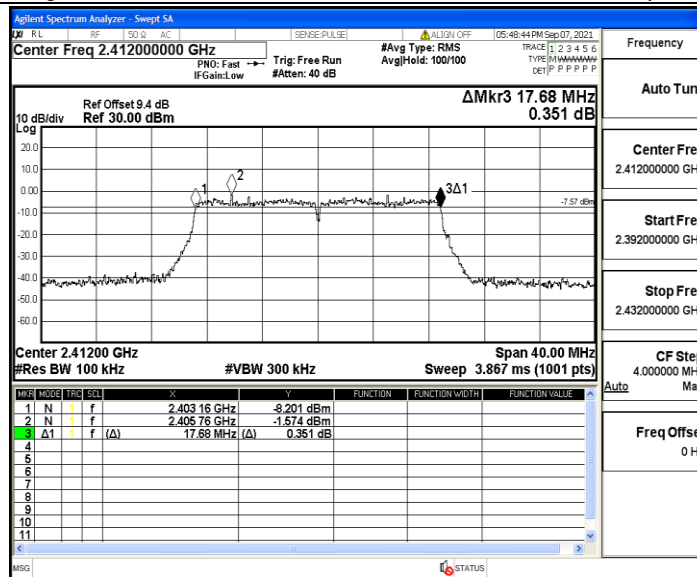
11G\_Ant1\_2462



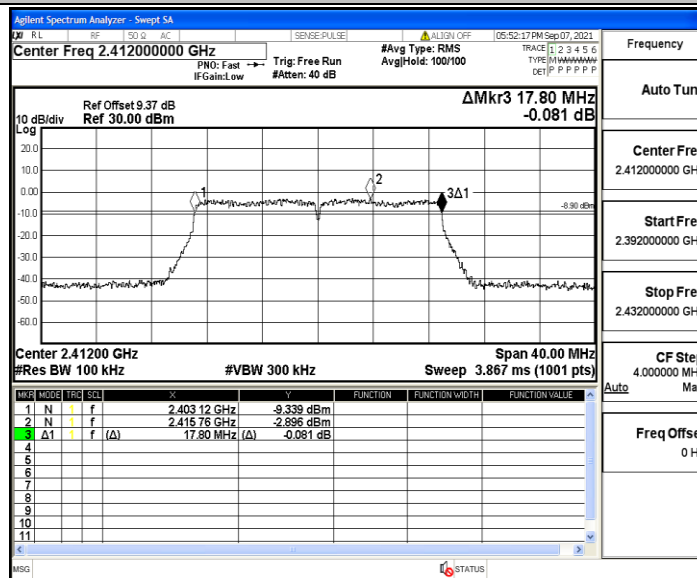
11G\_Ant2\_2462



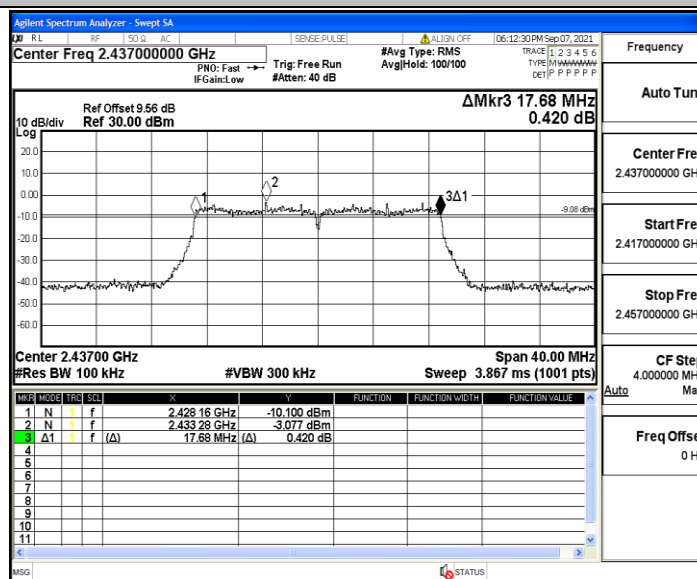
11N20MIMO\_Ant1\_2412



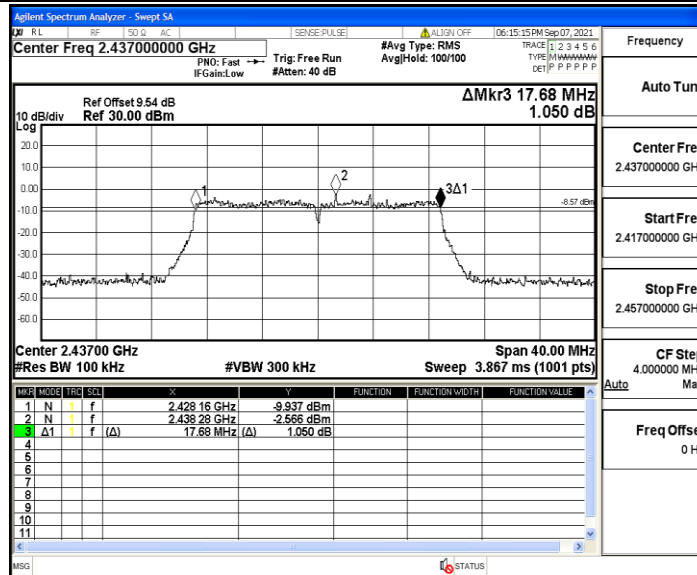
11N20MIMO\_Ant2\_2412



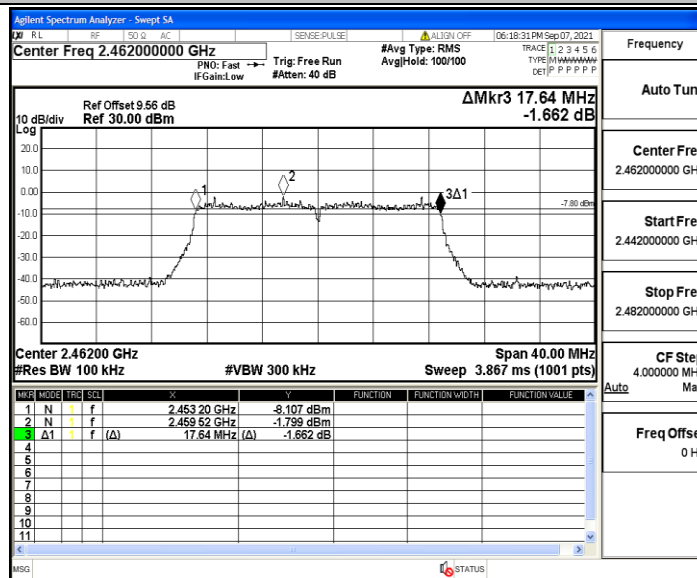
11N20MIMO\_Ant1\_2437



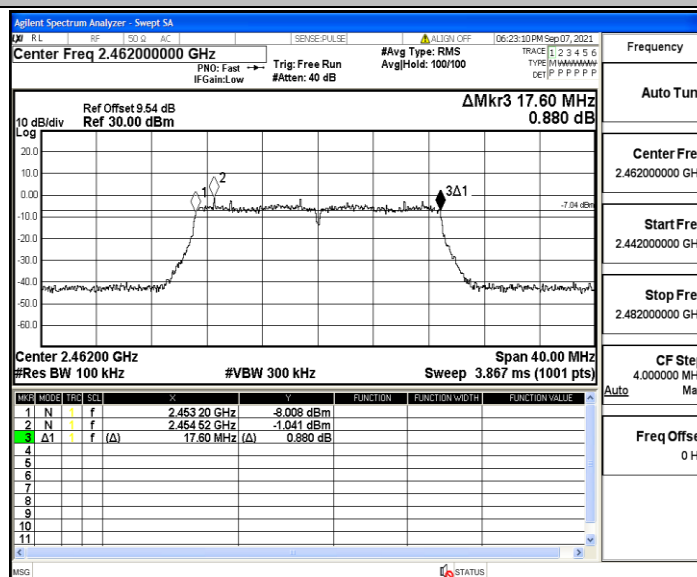
11N20MIMO\_Ant2\_2437



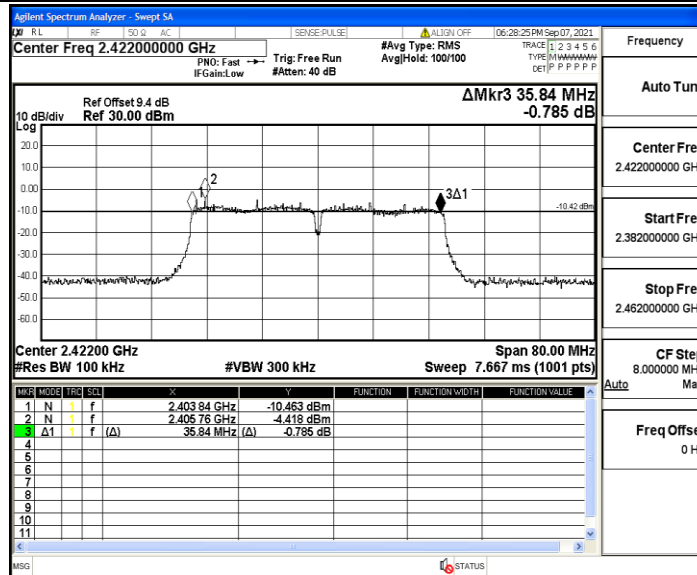
11N20MIMO\_Ant1\_2462



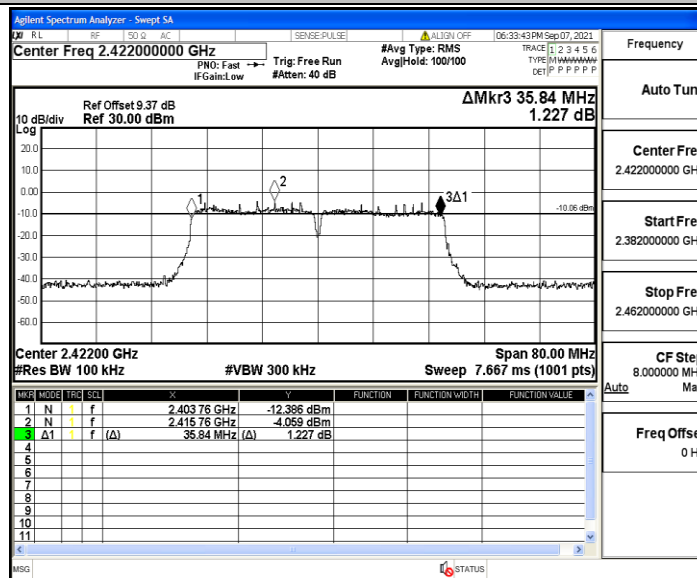
11N20MIMO\_Ant2\_2462



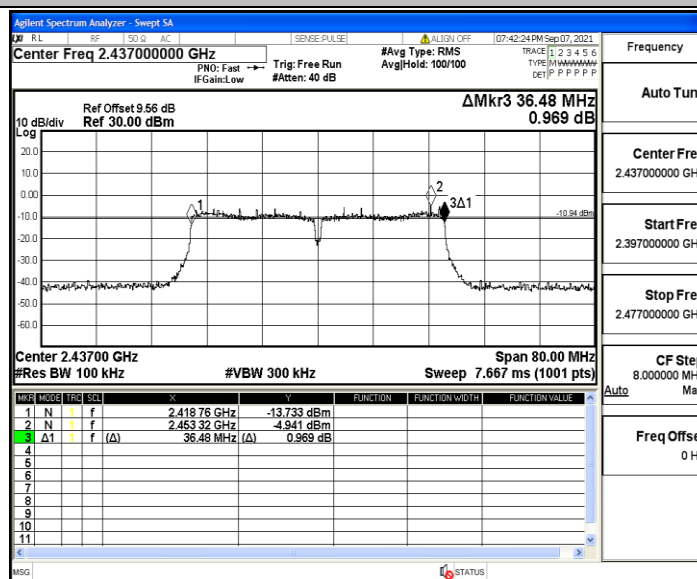
11N40MIMO\_Ant1\_2422



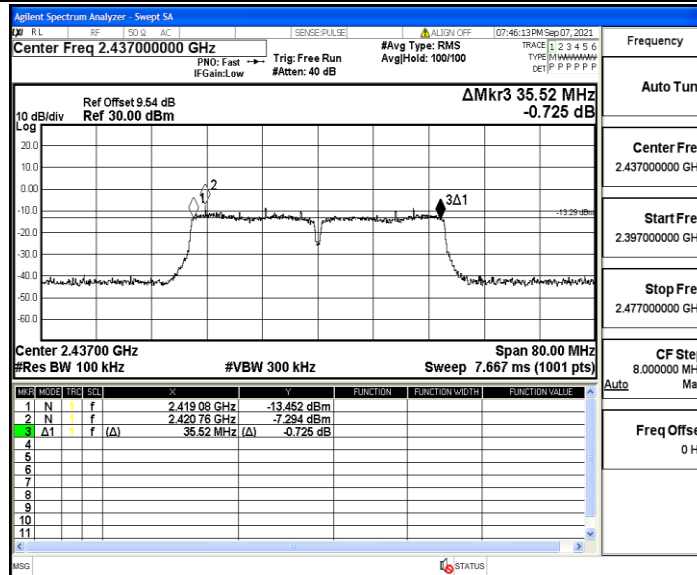
11N40MIMO\_Ant2\_2422



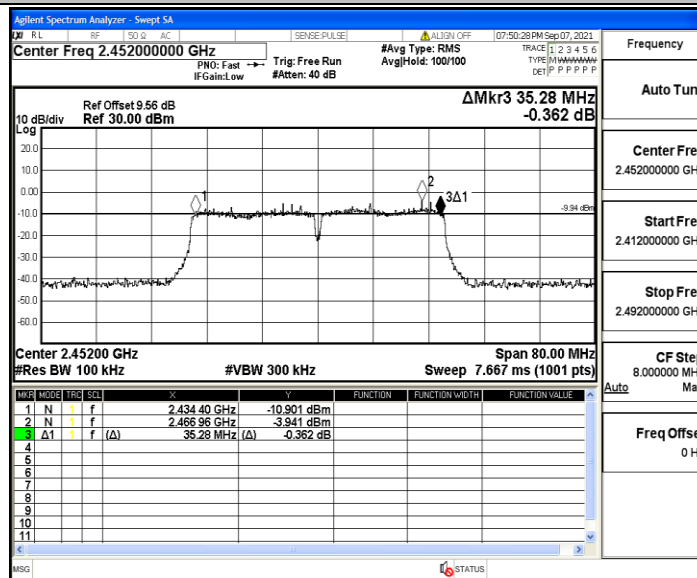
11N40MIMO\_Ant1\_2437



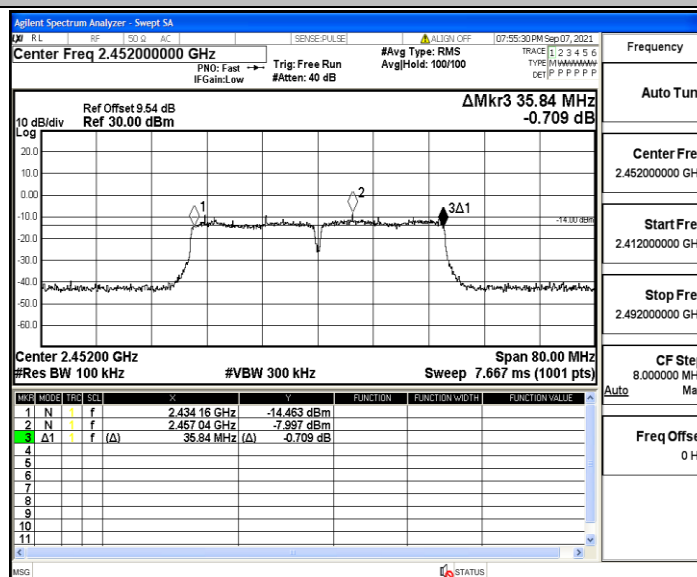
11N40MIMO\_Ant2\_2437



11N40MIMO\_Ant1\_2452



11N40MIMO\_Ant2\_2452

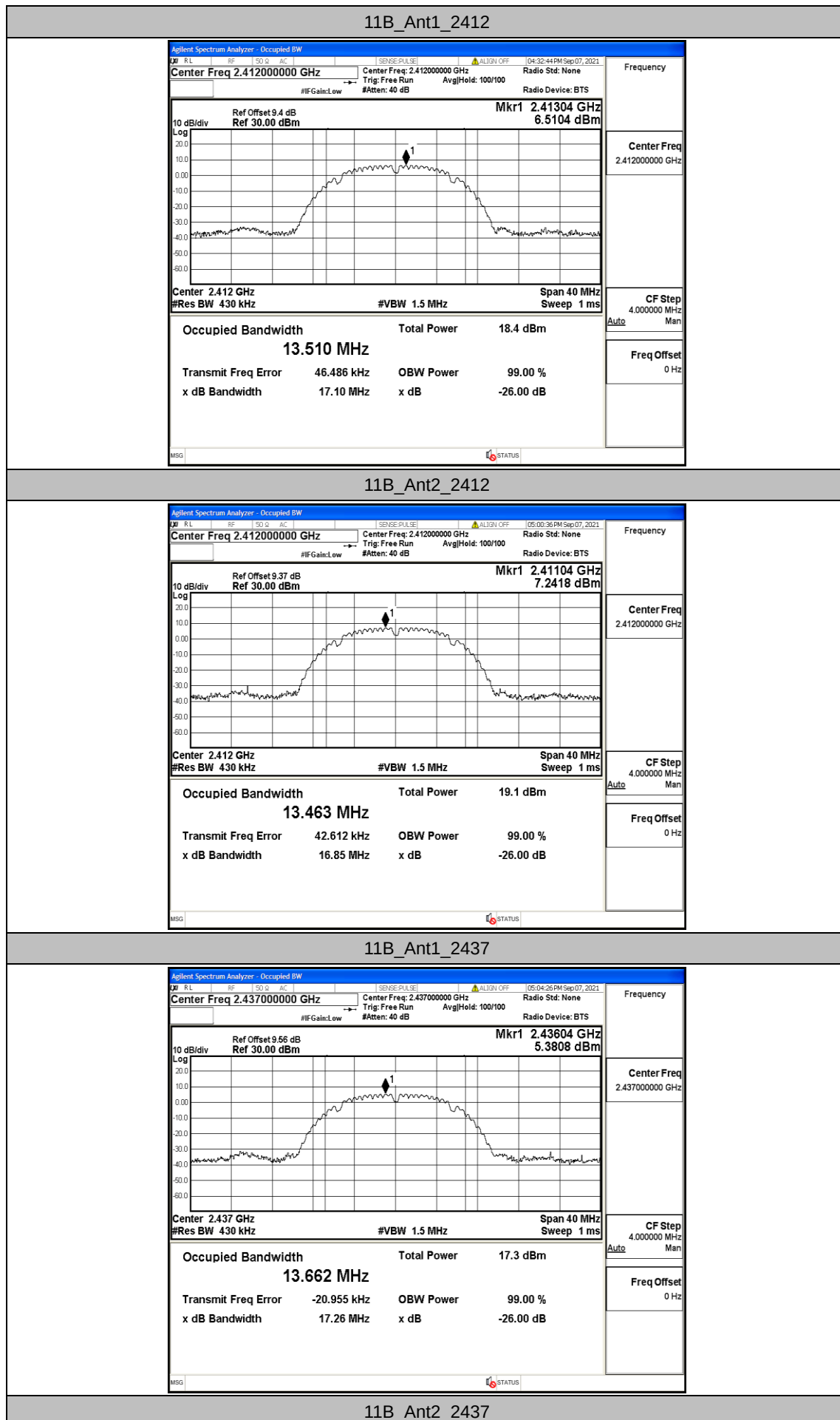


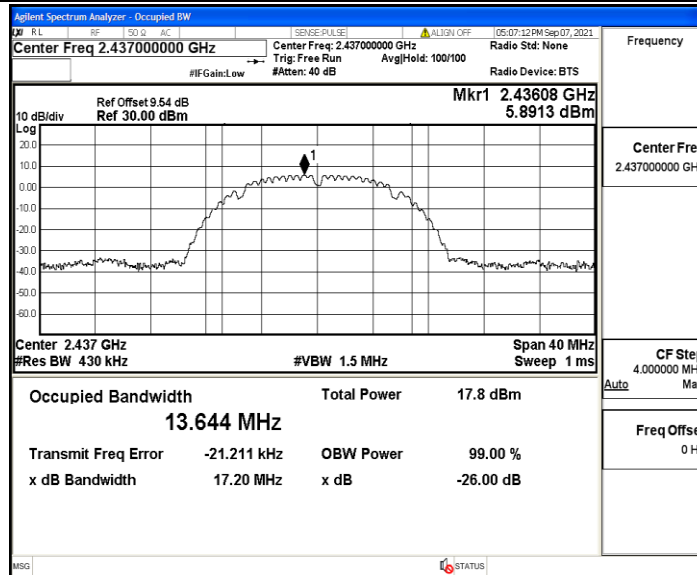
## Appendix B: Occupied Channel Bandwidth

### Test Result

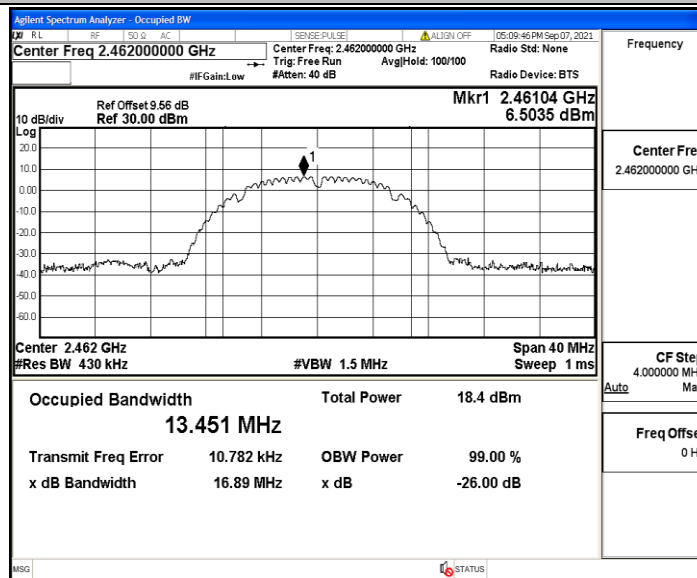
| TestMode  | Antenna | Channel | OCB [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|---------|-----------|----------|----------|------------|---------|
| 11B       | Ant1    | 2412    | 13.510    | 2405.291 | 2418.801 | ---        | PASS    |
|           | Ant2    | 2412    | 13.463    | 2405.311 | 2418.774 | ---        | PASS    |
|           | Ant1    | 2437    | 13.662    | 2430.148 | 2443.810 | ---        | PASS    |
|           | Ant2    | 2437    | 13.644    | 2430.157 | 2443.801 | ---        | PASS    |
|           | Ant1    | 2462    | 13.451    | 2455.285 | 2468.736 | ---        | PASS    |
|           | Ant2    | 2462    | 13.422    | 2455.304 | 2468.726 | ---        | PASS    |
| 11G       | Ant1    | 2412    | 16.910    | 2403.611 | 2420.521 | ---        | PASS    |
|           | Ant2    | 2412    | 17.016    | 2403.541 | 2420.557 | ---        | PASS    |
|           | Ant1    | 2437    | 17.041    | 2428.486 | 2445.527 | ---        | PASS    |
|           | Ant2    | 2437    | 17.024    | 2428.498 | 2445.522 | ---        | PASS    |
|           | Ant1    | 2462    | 16.921    | 2453.577 | 2470.498 | ---        | PASS    |
|           | Ant2    | 2462    | 16.878    | 2453.564 | 2470.442 | ---        | PASS    |
| 11N20MIMO | Ant1    | 2412    | 17.818    | 2403.131 | 2420.949 | ---        | PASS    |
|           | Ant2    | 2412    | 17.837    | 2403.147 | 2420.984 | ---        | PASS    |
|           | Ant1    | 2437    | 17.861    | 2428.094 | 2445.955 | ---        | PASS    |
|           | Ant2    | 2437    | 17.907    | 2428.071 | 2445.978 | ---        | PASS    |
|           | Ant1    | 2462    | 17.767    | 2453.163 | 2470.930 | ---        | PASS    |
|           | Ant2    | 2462    | 17.827    | 2453.114 | 2470.941 | ---        | PASS    |
| 11N40MIMO | Ant1    | 2422    | 36.182    | 2403.915 | 2440.097 | ---        | PASS    |
|           | Ant2    | 2422    | 36.272    | 2403.853 | 2440.125 | ---        | PASS    |
|           | Ant1    | 2437    | 36.495    | 2418.866 | 2455.361 | ---        | PASS    |
|           | Ant2    | 2437    | 36.574    | 2418.765 | 2455.339 | ---        | PASS    |
|           | Ant1    | 2452    | 36.390    | 2433.920 | 2470.310 | ---        | PASS    |
|           | Ant2    | 2452    | 36.408    | 2433.887 | 2470.295 | ---        | PASS    |

## Test Graphs

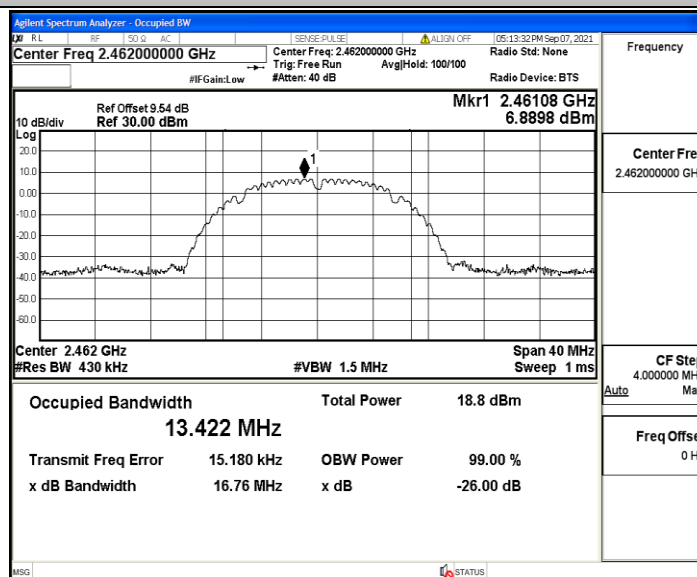




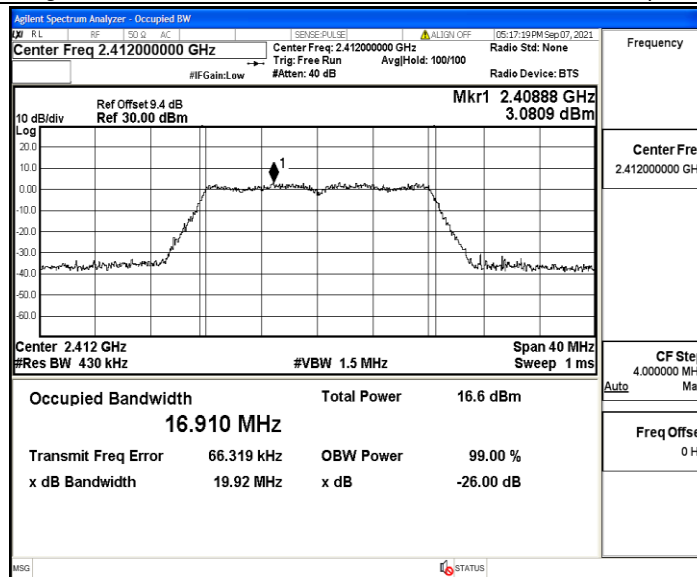
11B\_Ant1\_2462



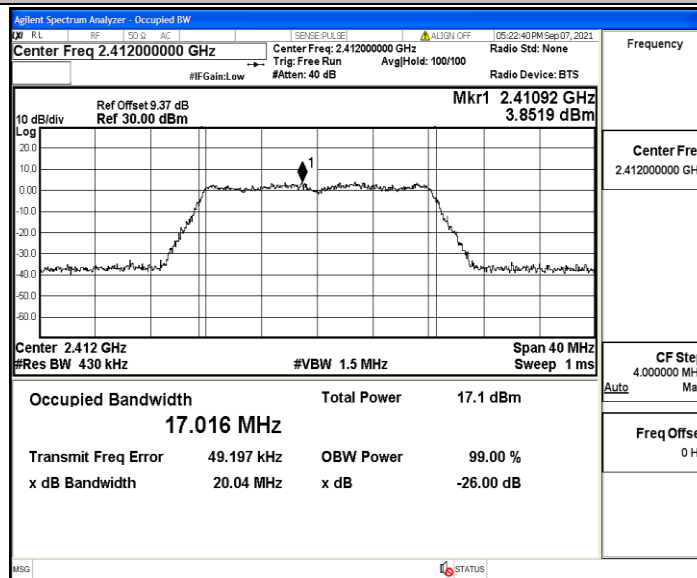
11B\_Ant2\_2462



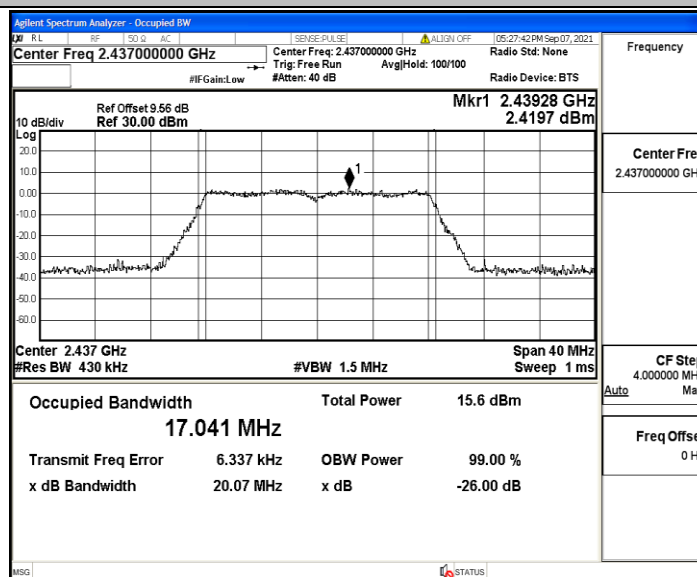
11G\_Ant1\_2412



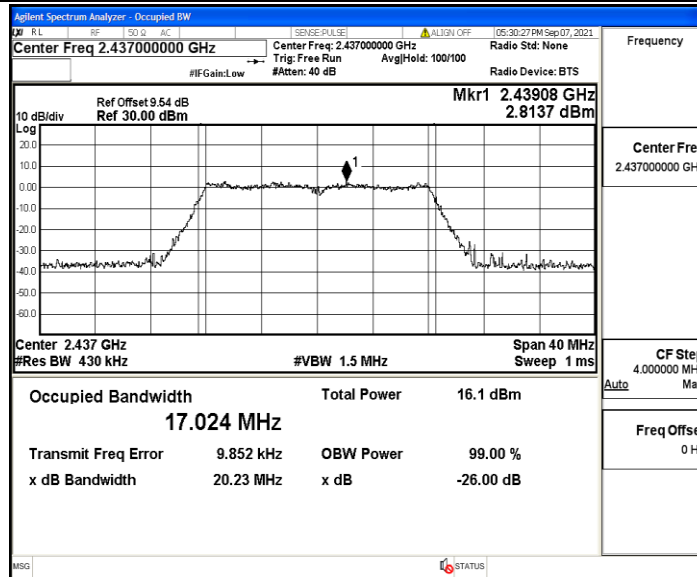
11G\_Ant2\_2412



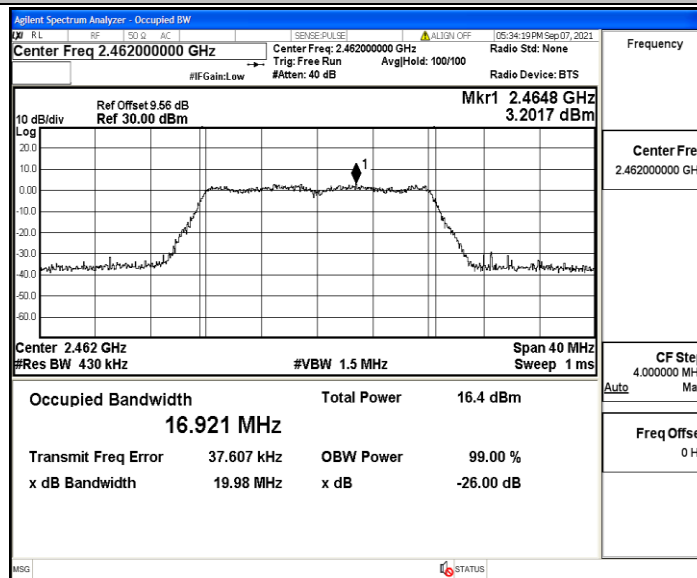
11G\_Ant1\_2437



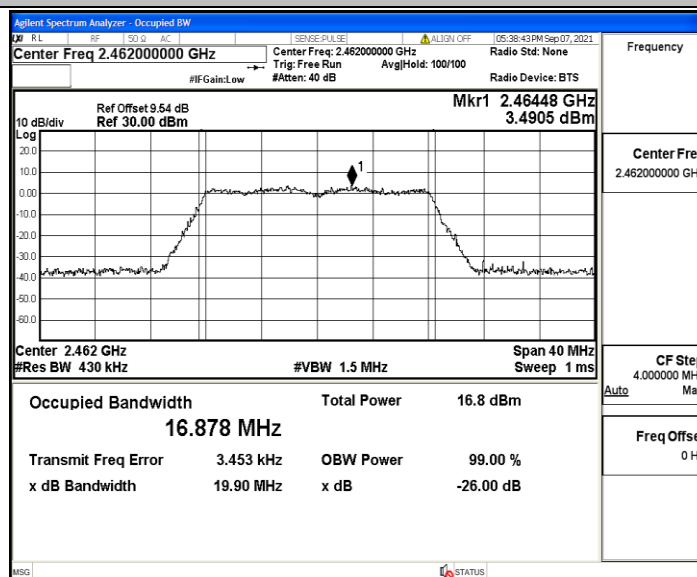
11G\_Ant2\_2437



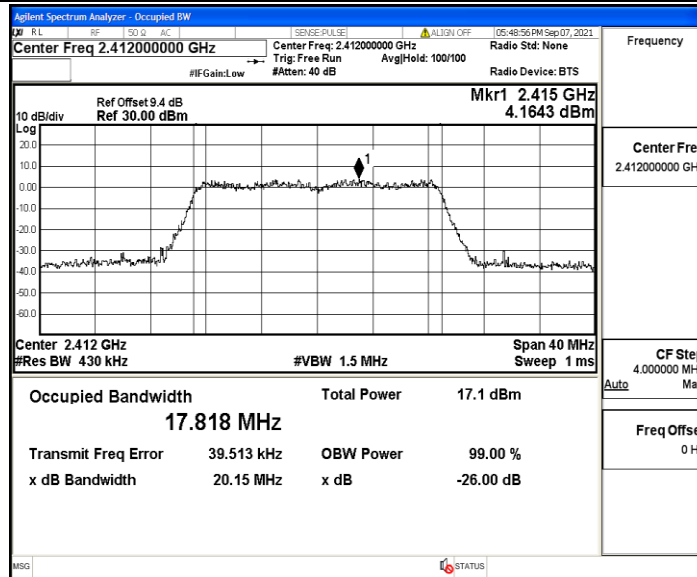
11G\_Ant1\_2462



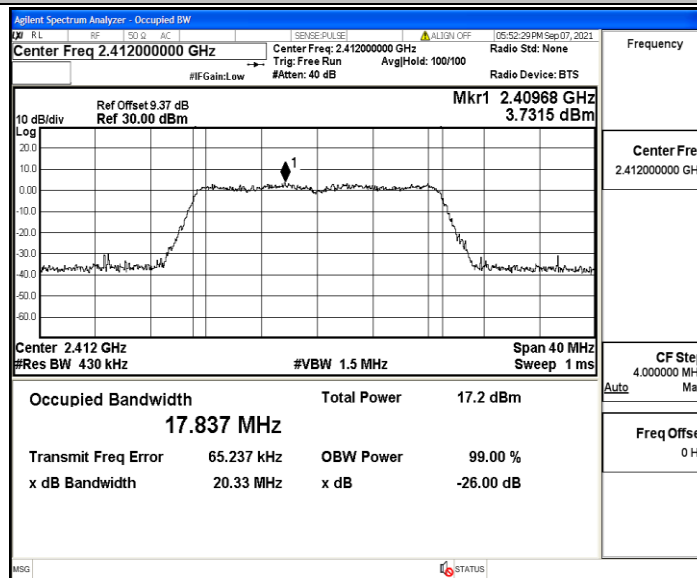
11G\_Ant2\_2462



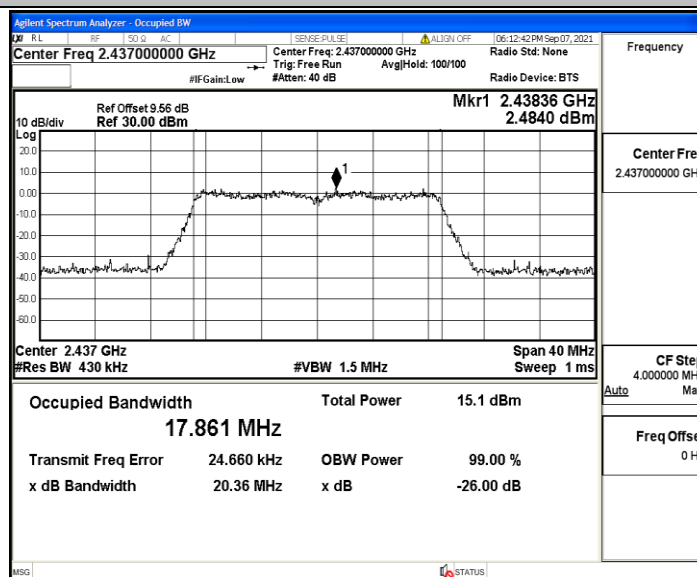
11N20MIMO\_Ant1\_2412



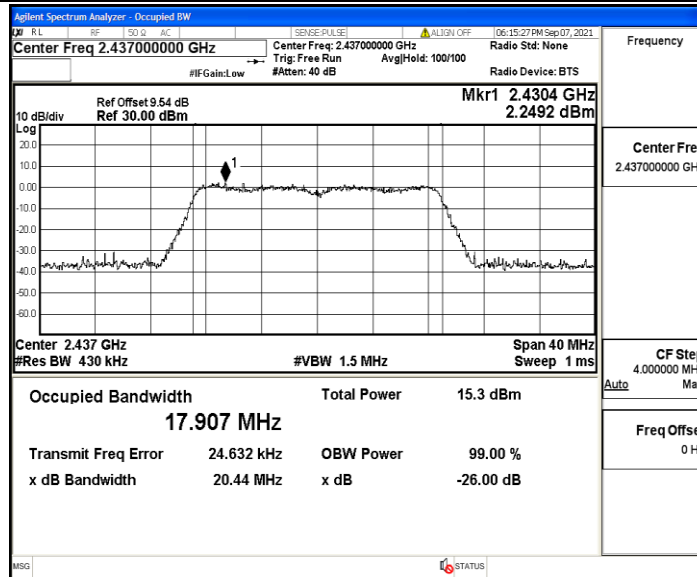
11N20MIMO\_Ant2\_2412



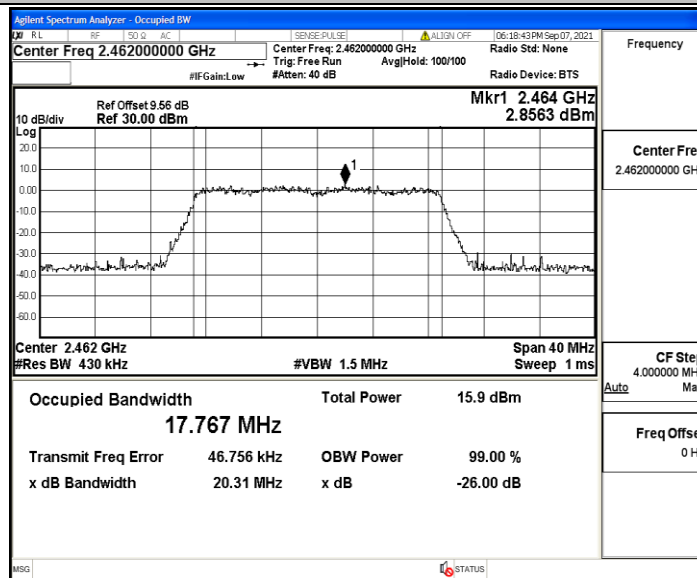
11N20MIMO\_Ant1\_2437



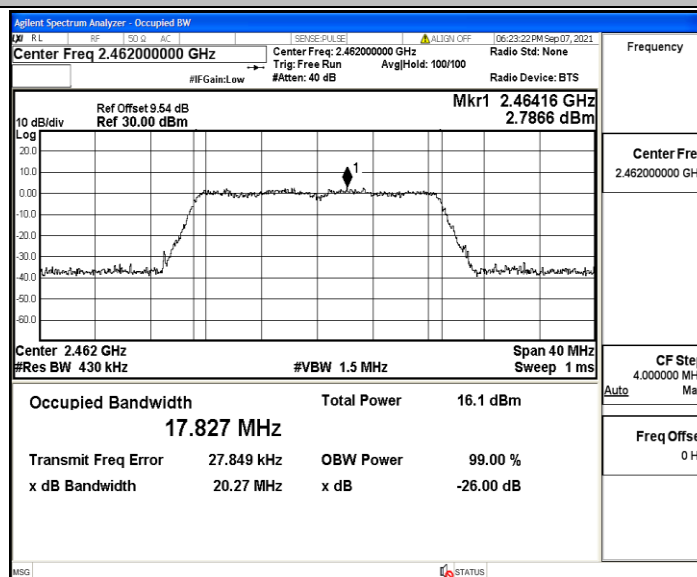
11N20MIMO\_Ant2\_2437



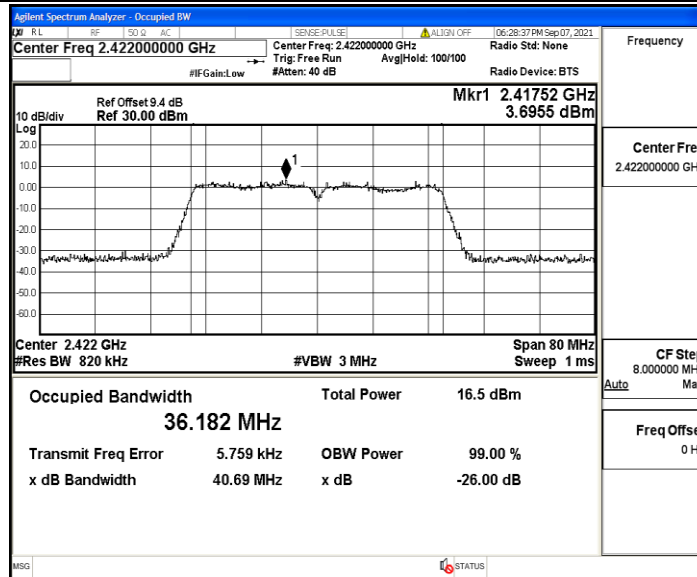
11N20MIMO\_Ant1\_2462



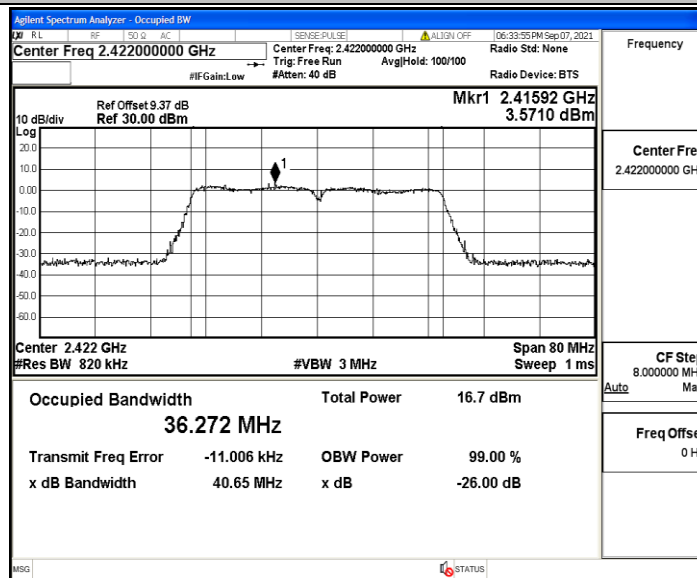
11N20MIMO\_Ant2\_2462



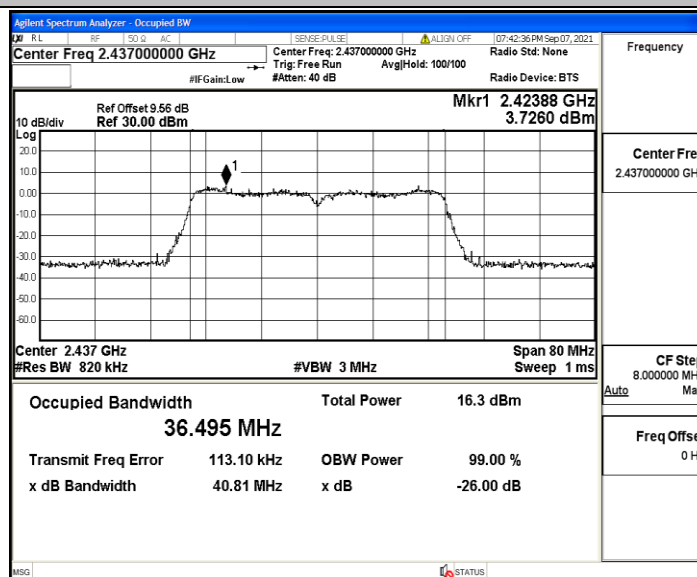
11N40MIMO\_Ant1\_2422



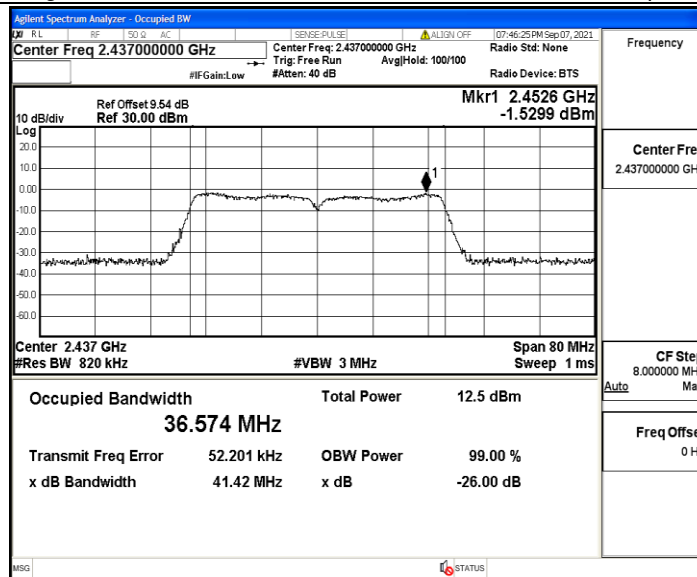
11N40MIMO\_Ant2\_2422



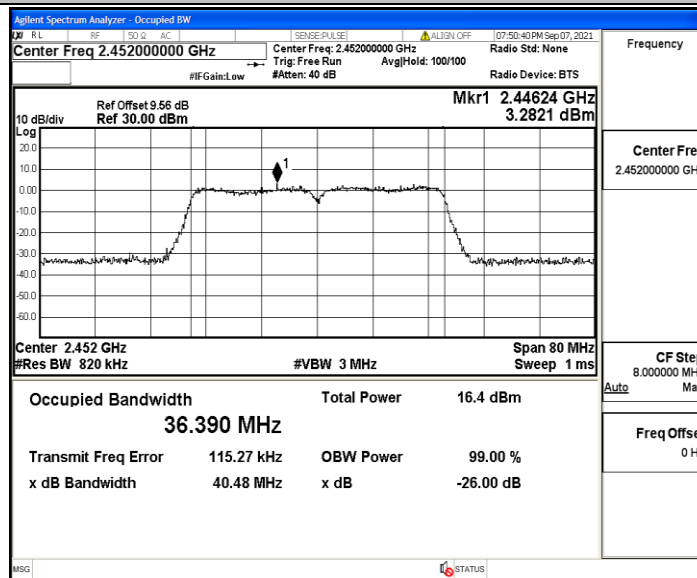
11N40MIMO\_Ant1\_2437



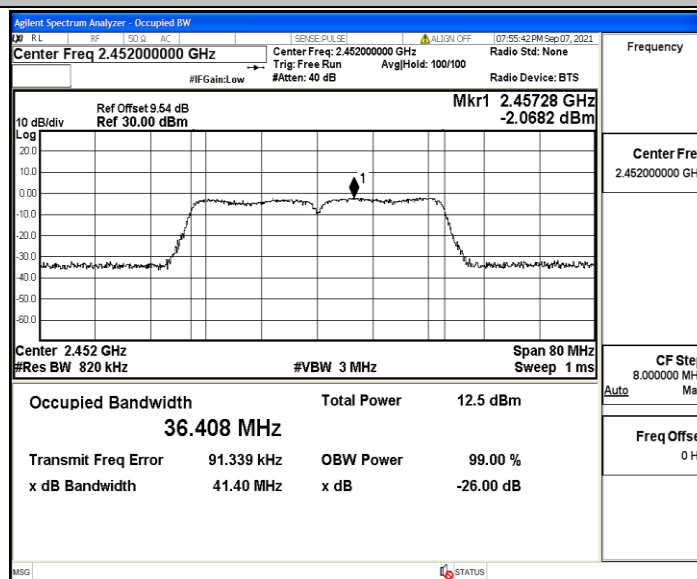
11N40MIMO\_Ant2\_2437



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    | 15.56       | ≤30        | PASS    |
|           | Ant2    | 2412    | 16.13       | ≤30        | PASS    |
|           | Ant1    | 2437    | 14.39       | ≤30        | PASS    |
|           | Ant2    | 2437    | 14.90       | ≤30        | PASS    |
|           | Ant1    | 2462    | 15.40       | ≤30        | PASS    |
|           | Ant2    | 2462    | 15.80       | ≤30        | PASS    |
| 11G       | Ant1    | 2412    | 10.58       | ≤30        | PASS    |
|           | Ant2    | 2412    | 11.06       | ≤30        | PASS    |
|           | Ant1    | 2437    | 9.50        | ≤30        | PASS    |
|           | Ant2    | 2437    | 9.99        | ≤30        | PASS    |
|           | Ant1    | 2462    | 10.34       | ≤30        | PASS    |
|           | Ant2    | 2462    | 10.71       | ≤30        | PASS    |
| 11N20MIMO | Ant1    | 2412    | 9.68        | ≤30        | PASS    |
|           | Ant2    | 2412    | 9.25        | ≤30        | PASS    |
|           | total   | 2412    | 12.5        | ≤30        | PASS    |
|           | Ant1    | 2437    | 8.68        | ≤30        | PASS    |
|           | Ant2    | 2437    | 9.14        | ≤30        | PASS    |
|           | total   | 2437    | 11.9        | ≤30        | PASS    |
|           | Ant1    | 2462    | 9.50        | ≤30        | PASS    |
|           | Ant2    | 2462    | 9.92        | ≤30        | PASS    |
|           | total   | 2462    | 12.7        | ≤30        | PASS    |
| 11N40MIMO | Ant1    | 2422    | 8.32        | ≤30        | PASS    |
|           | Ant2    | 2422    | 7.89        | ≤30        | PASS    |
|           | total   | 2422    | 11.1        | ≤30        | PASS    |
|           | Ant1    | 2437    | 8.13        | ≤30        | PASS    |
|           | Ant2    | 2437    | 7.70        | ≤30        | PASS    |
|           | total   | 2437    | 10.9        | ≤30        | PASS    |
|           | Ant1    | 2452    | 8.24        | ≤30        | PASS    |
|           | Ant2    | 2452    | 7.70        | ≤30        | PASS    |
|           | total   | 2452    | 11.0        | ≤30        | PASS    |

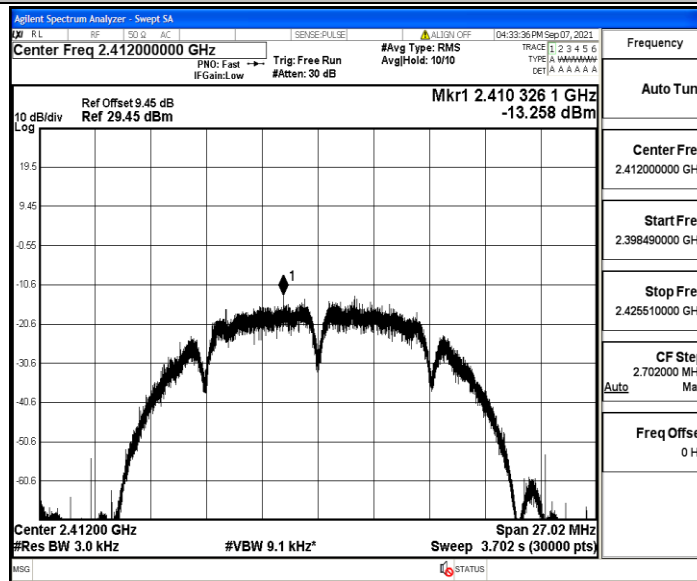
## Appendix D: Maximum power spectral density

### Test Result

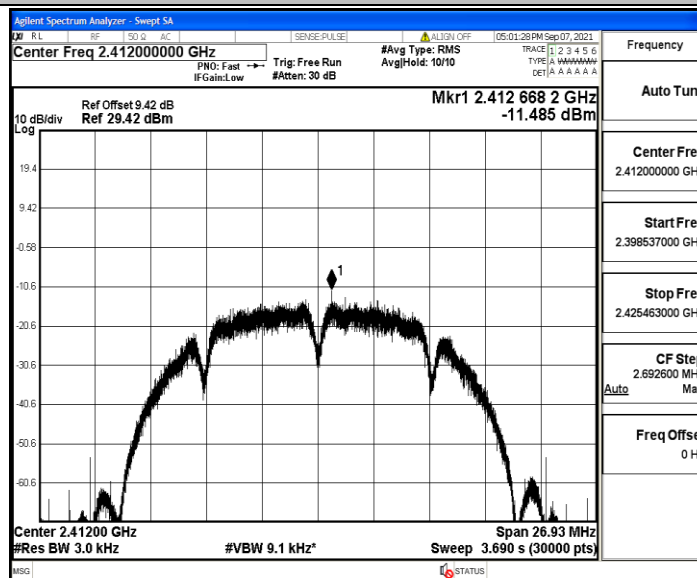
| TestMode  | Antenna | Channel | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|---------|----------------------|-----------------|---------|
| 11B       | Ant1    | 2412    | -13.26               | ≤8              | PASS    |
|           | Ant2    | 2412    | -11.49               | ≤8              | PASS    |
|           | Ant1    | 2437    | -14.73               | ≤8              | PASS    |
|           | Ant2    | 2437    | -14.48               | ≤8              | PASS    |
|           | Ant1    | 2462    | -14                  | ≤8              | PASS    |
|           | Ant2    | 2462    | -11.62               | ≤8              | PASS    |
| 11G       | Ant1    | 2412    | -21.71               | ≤8              | PASS    |
|           | Ant2    | 2412    | -20.43               | ≤8              | PASS    |
|           | Ant1    | 2437    | -22.76               | ≤8              | PASS    |
|           | Ant2    | 2437    | -21.96               | ≤8              | PASS    |
|           | Ant1    | 2462    | -21.53               | ≤8              | PASS    |
|           | Ant2    | 2462    | -20.51               | ≤8              | PASS    |
| 11N20MIMO | Ant1    | 2412    | -22.49               | ≤8              | PASS    |
|           | Ant2    | 2412    | -23.21               | ≤8              | PASS    |
|           | total   | 2412    | -19.82               | ≤8              | PASS    |
|           | Ant1    | 2437    | -23.22               | ≤8              | PASS    |
|           | Ant2    | 2437    | -23.16               | ≤8              | PASS    |
|           | total   | 2437    | -20.18               | ≤8              | PASS    |
|           | Ant1    | 2462    | -22.1                | ≤8              | PASS    |
|           | Ant2    | 2462    | -22.16               | ≤8              | PASS    |
|           | total   | 2462    | -19.12               | ≤8              | PASS    |
| 11N40MIMO | Ant1    | 2422    | -26.34               | ≤8              | PASS    |
|           | Ant2    | 2422    | -27.34               | ≤8              | PASS    |
|           | total   | 2422    | -23.80               | ≤8              | PASS    |
|           | Ant1    | 2437    | -27.1                | ≤8              | PASS    |
|           | Ant2    | 2437    | -26.86               | ≤8              | PASS    |
|           | total   | 2437    | -23.97               | ≤8              | PASS    |
|           | Ant1    | 2452    | -26.97               | ≤8              | PASS    |
|           | Ant2    | 2452    | -28.01               | ≤8              | PASS    |
|           | total   | 2452    | -24.45               | ≤8              | PASS    |

## Test Graphs

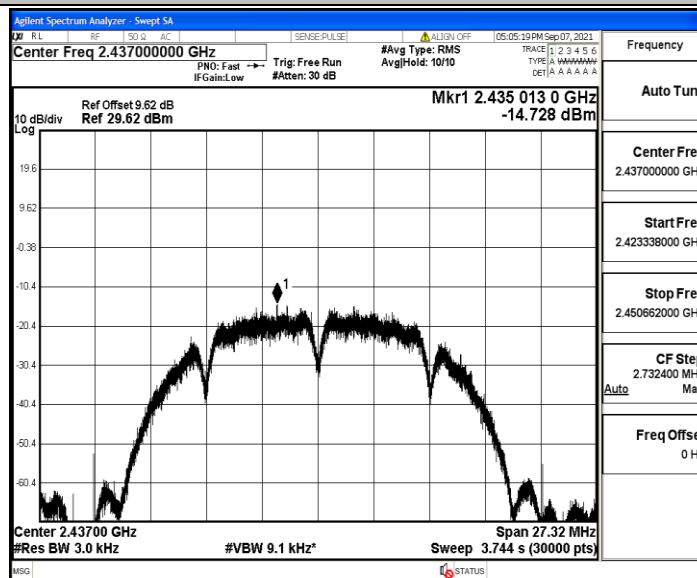
11B\_Ant1\_2412



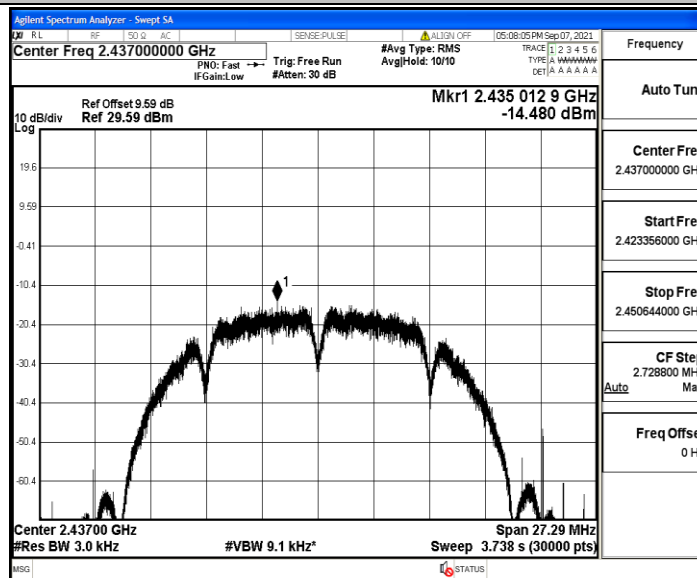
11B\_Ant2\_2412



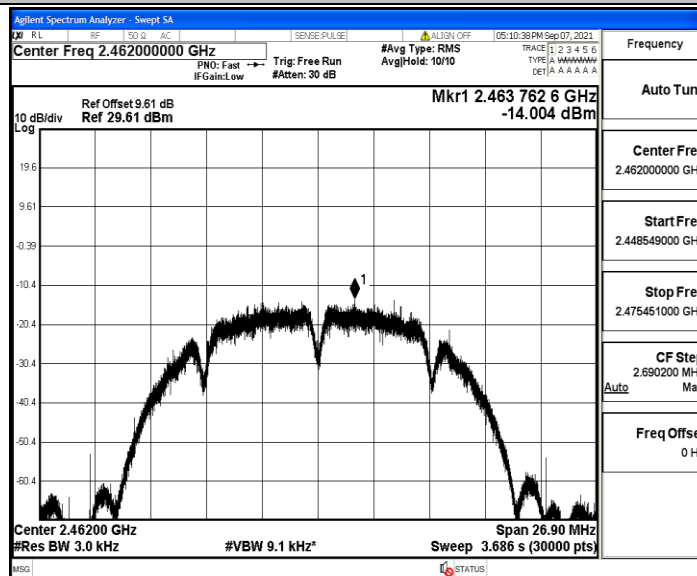
11B\_Ant1\_2437



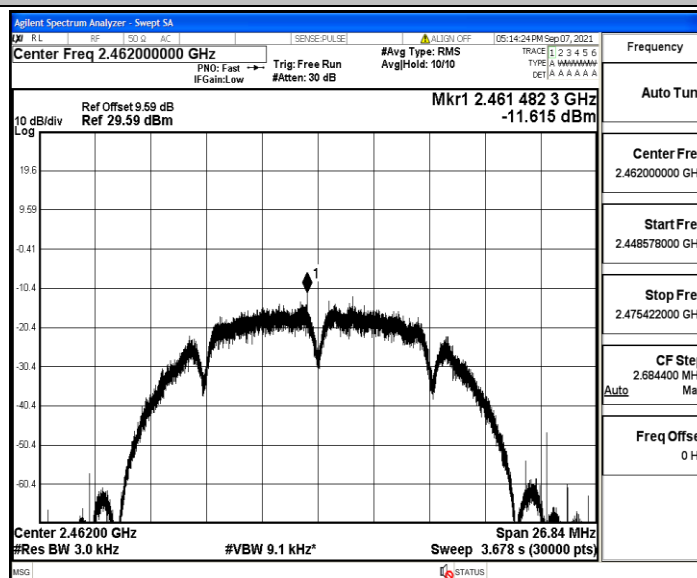
## 11B\_Ant2\_2437



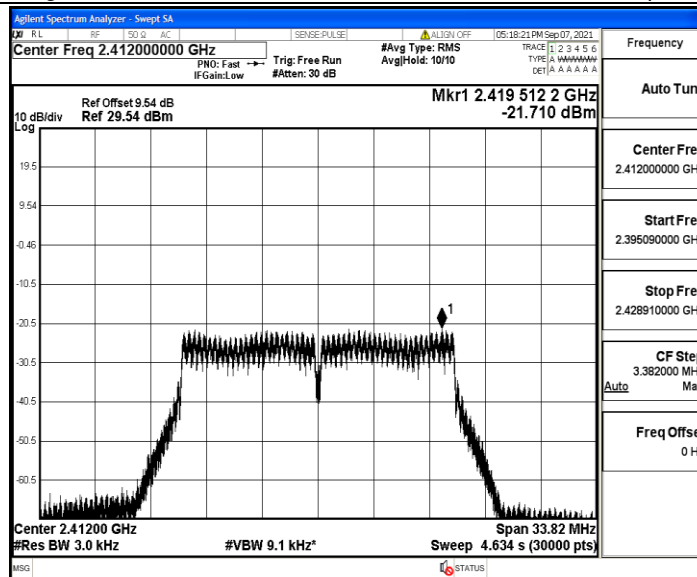
## 11B\_Ant1\_2462



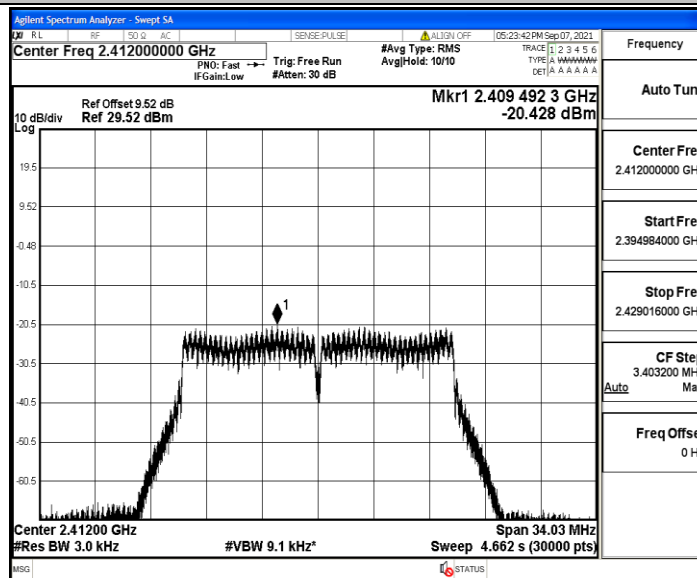
## 11B\_Ant2\_2462



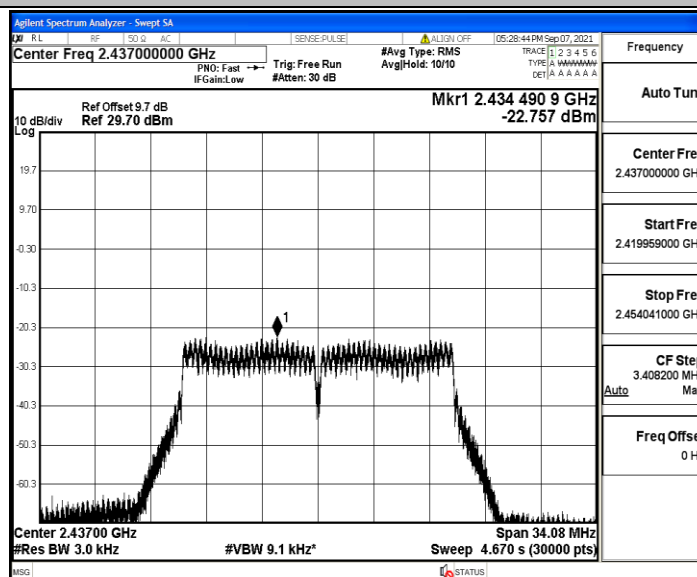
## 11G\_Ant1\_2412



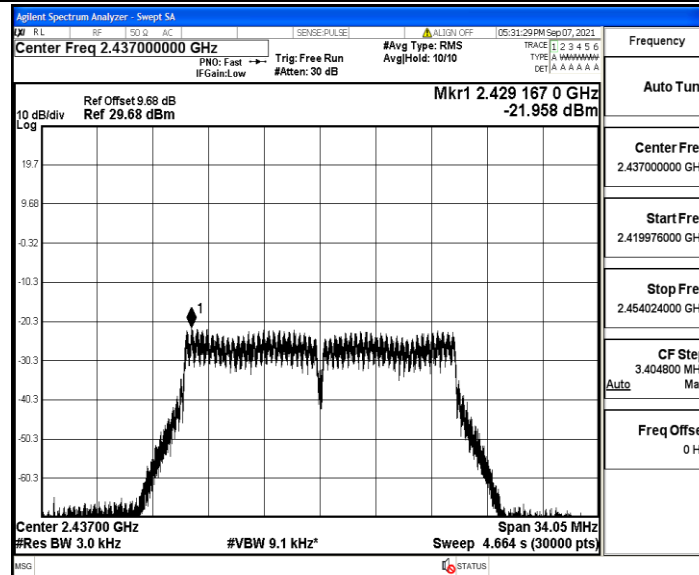
11G\_Ant2\_2412



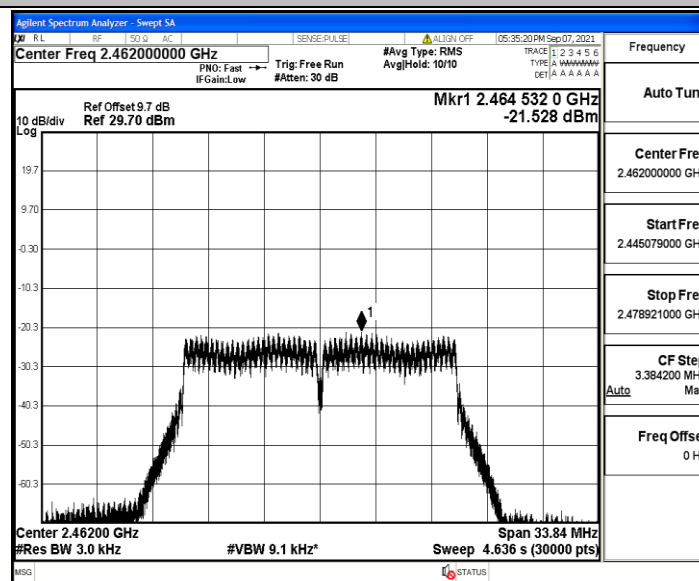
11G\_Ant1\_2437



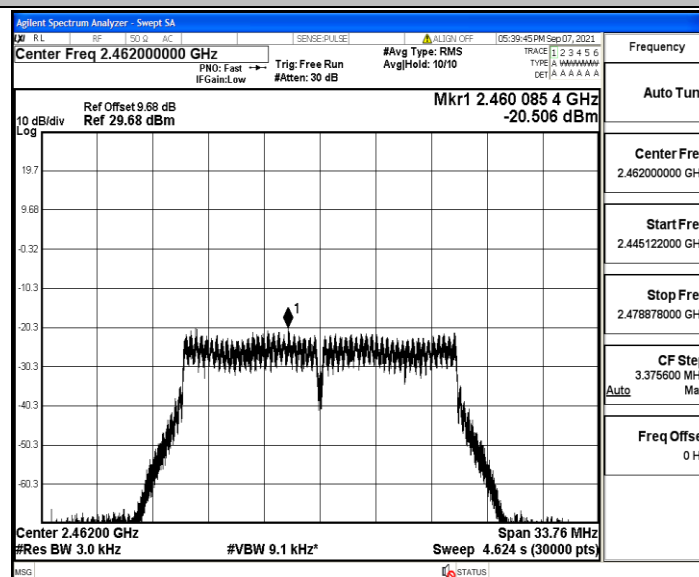
11G\_Ant2\_2437



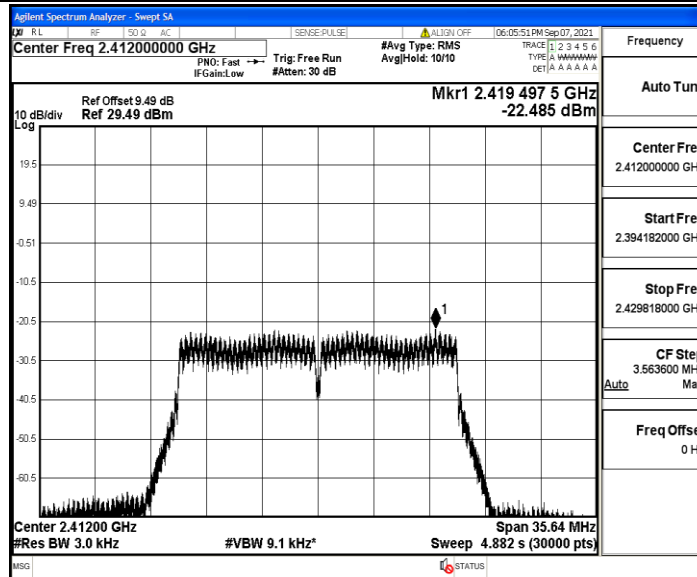
11G\_Ant1\_2462



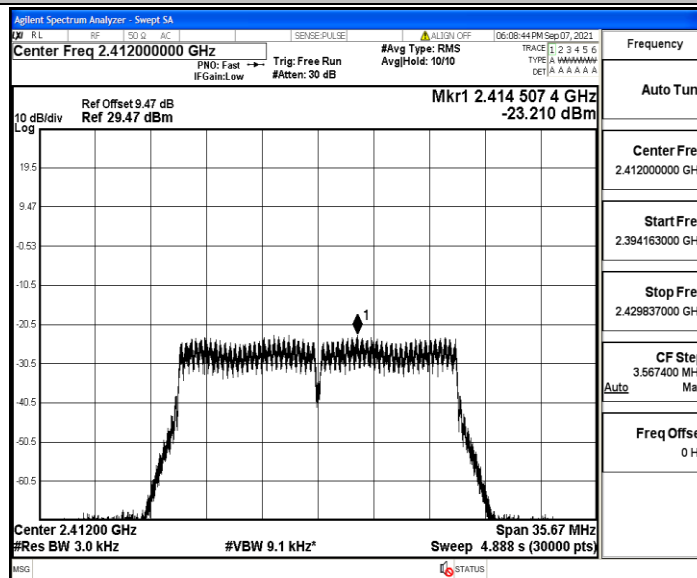
11G\_Ant2\_2462



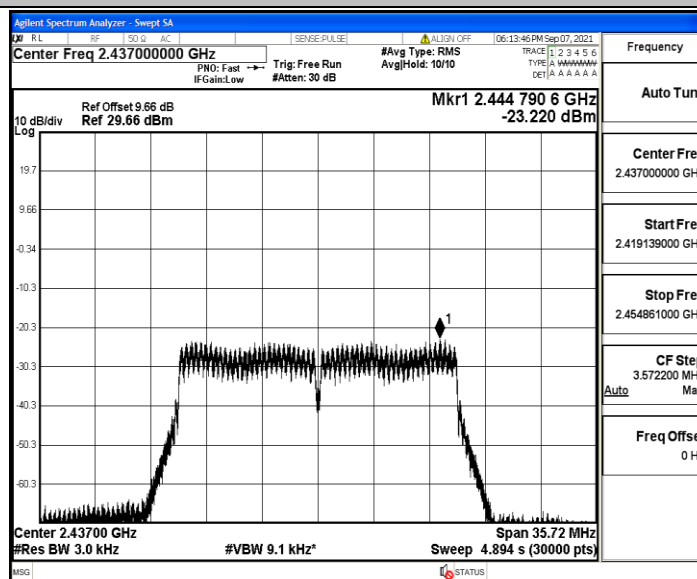
11N20MIMO\_Ant1\_2412



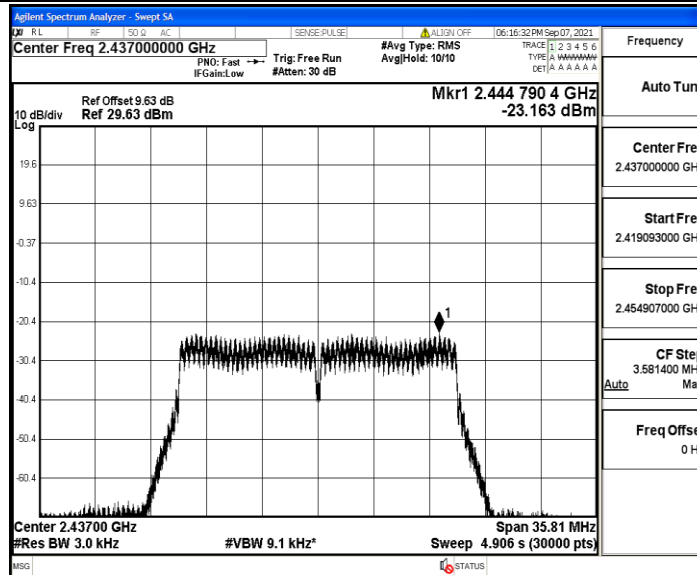
11N20MIMO\_Ant2\_2412



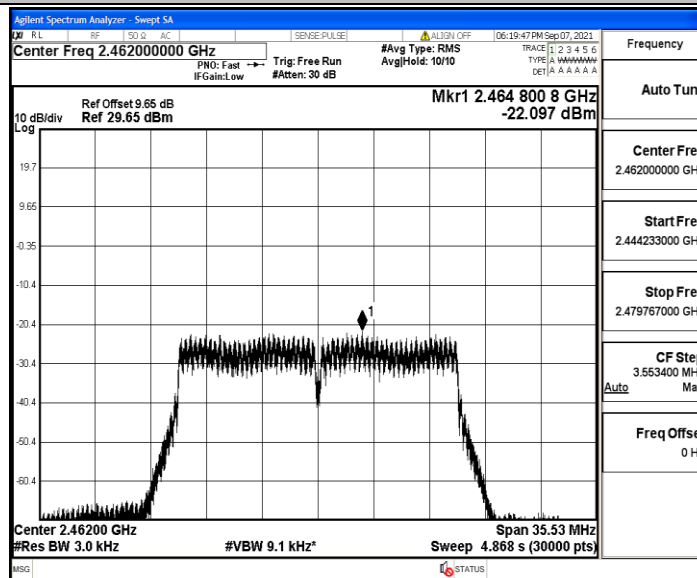
11N20MIMO\_Ant1\_2437



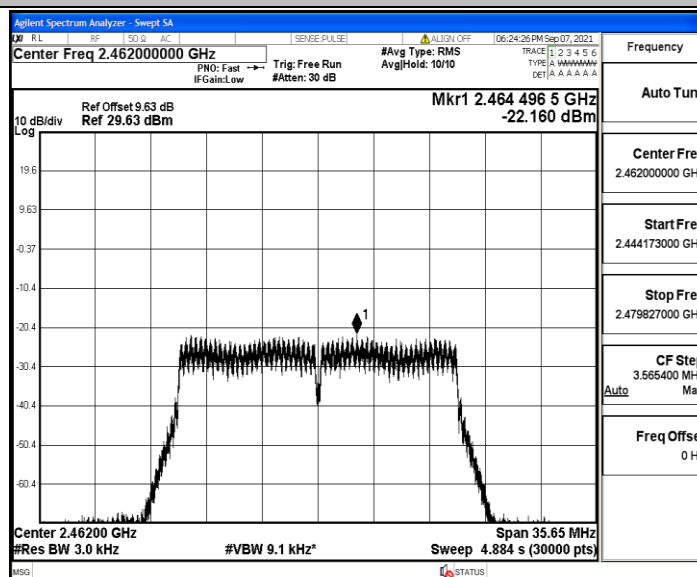
11N20MIMO\_Ant2\_2437



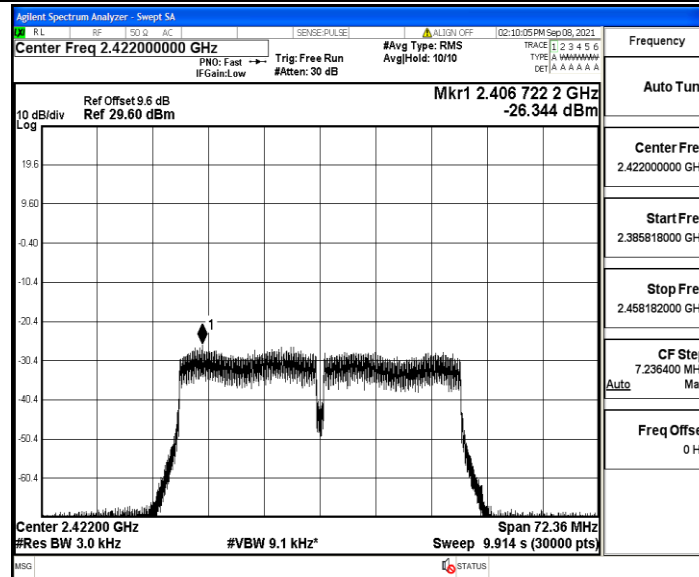
11N20MIMO\_Ant1\_2462



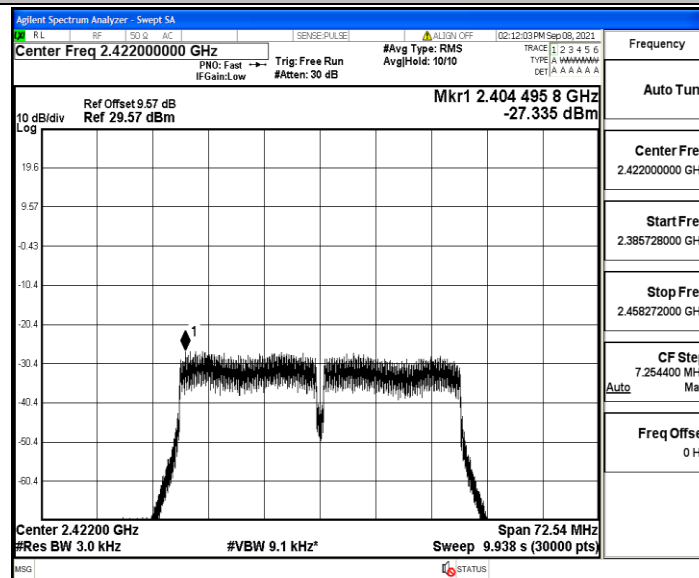
11N20MIMO\_Ant2\_2462



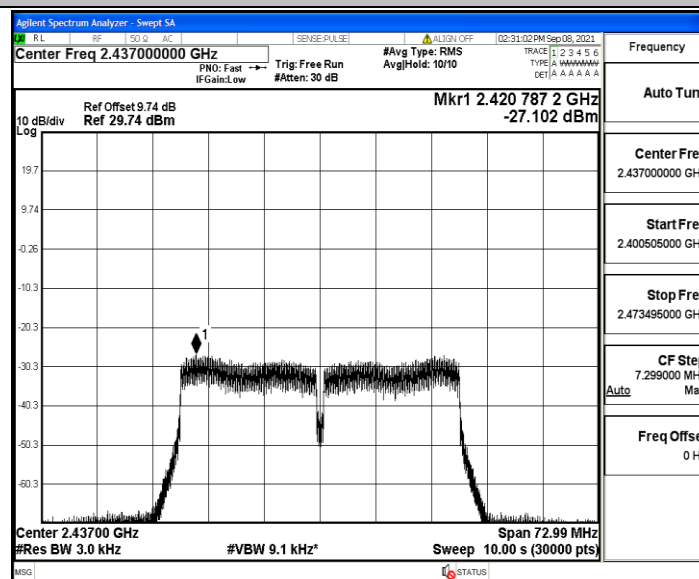
11N40MIMO\_Ant1\_2422



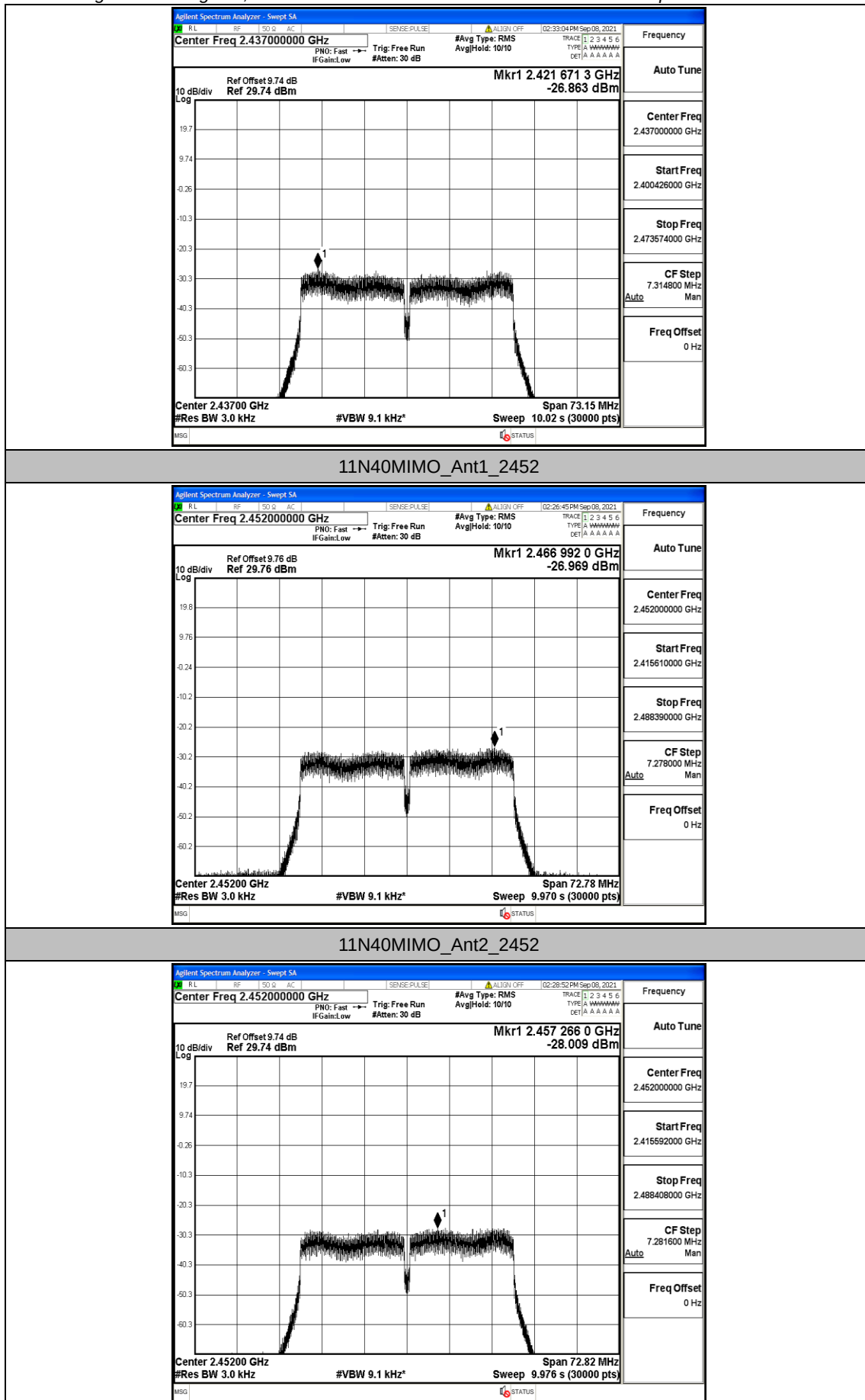
11N40MIMO\_Ant2\_2422



11N40MIMO\_Ant1\_2437



11N40MIMO\_Ant2\_2437



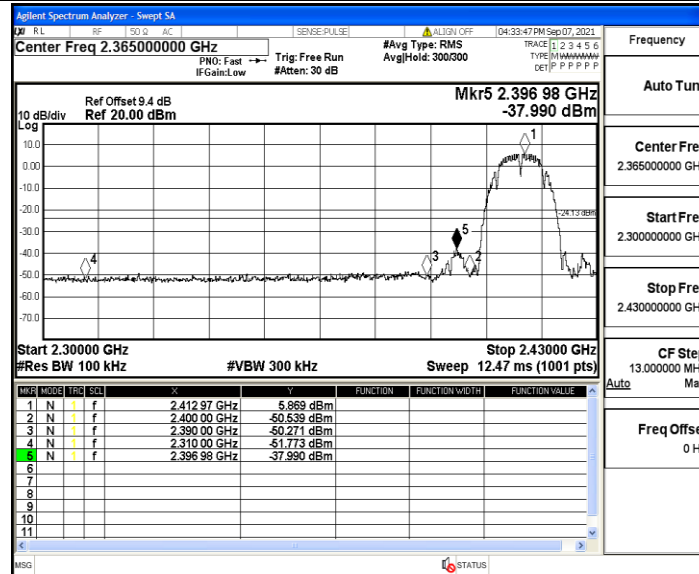
## Appendix E: Band edge measurements

### Test Result

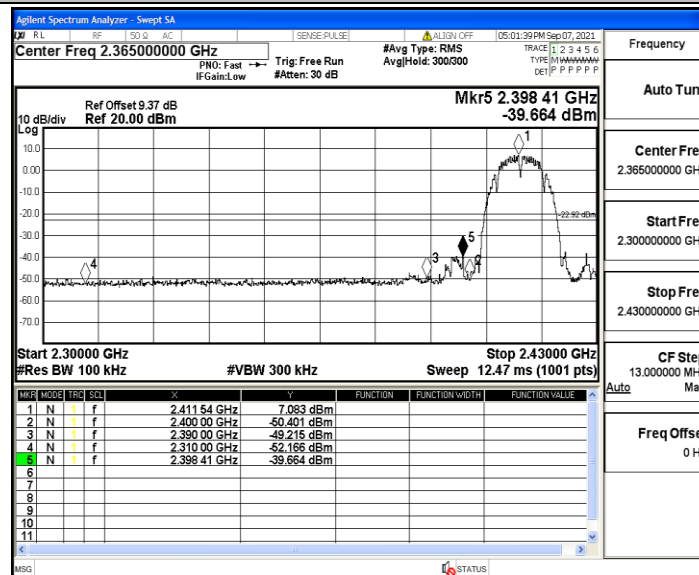
| TestMode  | Antenna | ChName | Channel | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|--------|---------|---------------|-------------|------------|---------|
| 11B       | Ant1    | Low    | 2412    | 5.87          | -37.99      | ≤-24.13    | PASS    |
|           | Ant2    | Low    | 2412    | 7.08          | -39.66      | ≤-22.92    | PASS    |
|           | Ant1    | High   | 2462    | 6.27          | -46.19      | ≤-23.73    | PASS    |
|           | Ant2    | High   | 2462    | 6.29          | -47.81      | ≤-23.71    | PASS    |
| 11G       | Ant1    | Low    | 2412    | -0.36         | -41.16      | ≤-30.36    | PASS    |
|           | Ant2    | Low    | 2412    | 0.46          | -41.35      | ≤-29.54    | PASS    |
|           | Ant1    | High   | 2462    | -0.64         | -47.92      | ≤-30.64    | PASS    |
|           | Ant2    | High   | 2462    | -0.27         | -48.49      | ≤-30.27    | PASS    |
| 11N20MIMO | Ant1    | Low    | 2412    | -0.41         | -38.85      | ≤-30.41    | PASS    |
|           | Ant2    | Low    | 2412    | -0.36         | -37.41      | ≤-30.36    | PASS    |
|           | Ant1    | High   | 2462    | -1.23         | -48.14      | ≤-31.23    | PASS    |
|           | Ant2    | High   | 2462    | -1.09         | -48.44      | ≤-31.09    | PASS    |
| 11N40MIMO | Ant1    | Low    | 2422    | -4.06         | -41.25      | ≤-34.06    | PASS    |
|           | Ant2    | Low    | 2422    | -3.58         | -43.83      | ≤-33.58    | PASS    |
|           | Ant1    | High   | 2452    | -3.89         | -47.19      | ≤-33.89    | PASS    |
|           | Ant2    | High   | 2452    | -7.99         | -48.5       | ≤-37.99    | PASS    |

## Test Graphs

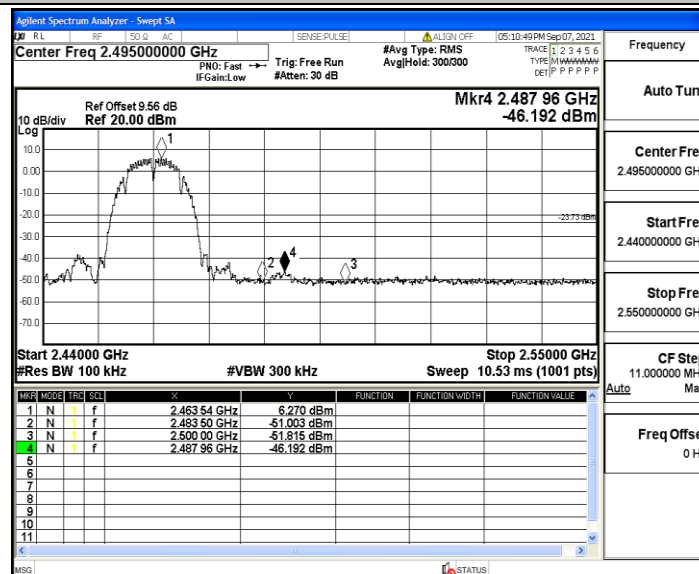
11B\_Ant1\_Low\_2412



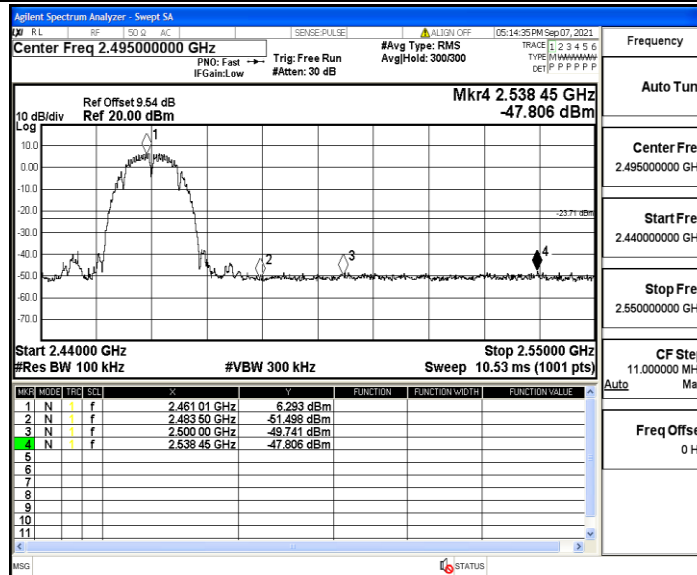
11B\_Ant2\_Low\_2412



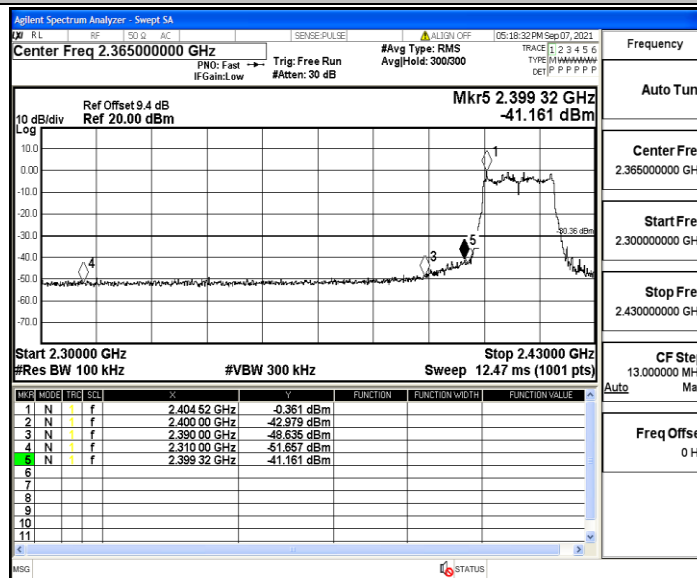
11B\_Ant1\_High\_2462



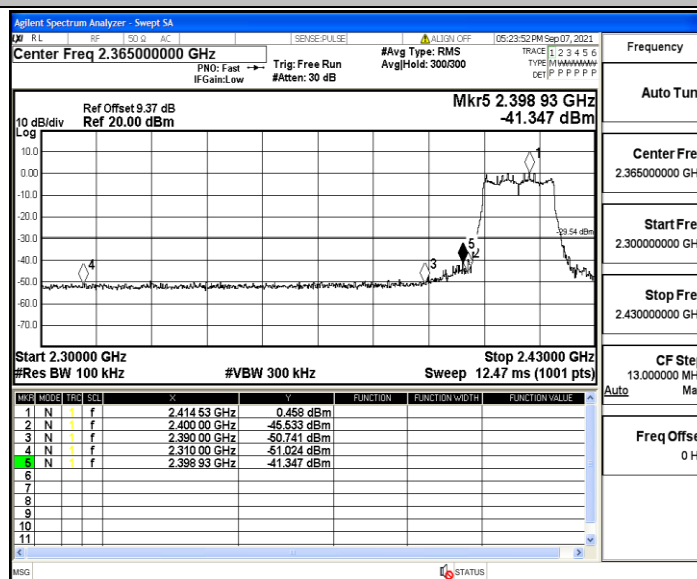
11B\_Ant2\_High\_2462



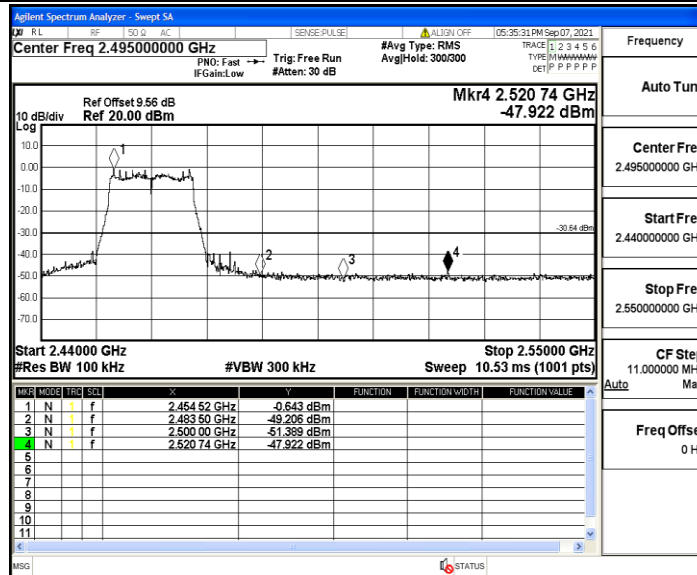
11G\_Ant1\_Low\_2412



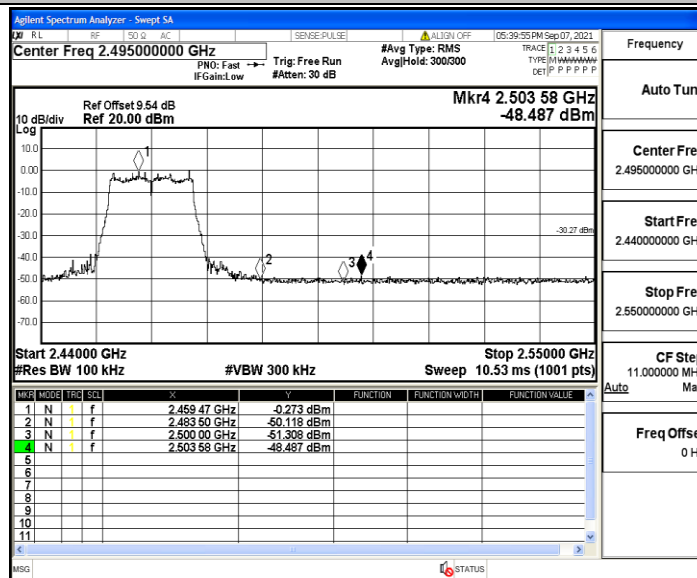
11G\_Ant2\_Low\_2412



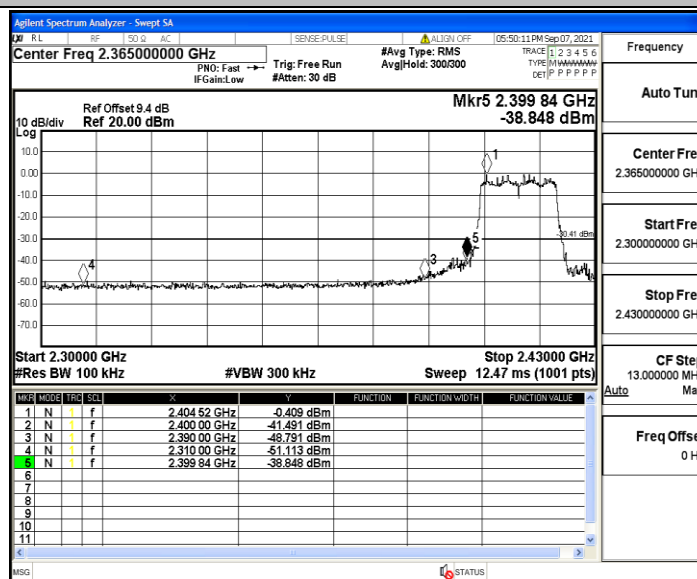
11G\_Ant1\_High\_2462



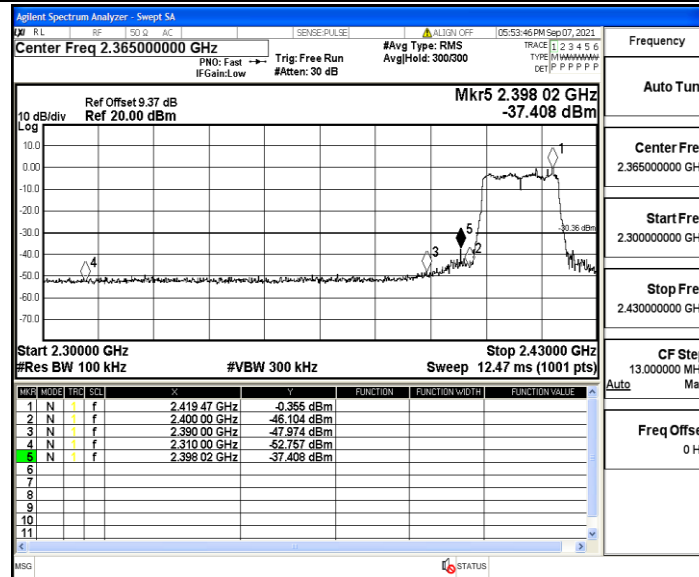
11G\_Ant2\_High\_2462



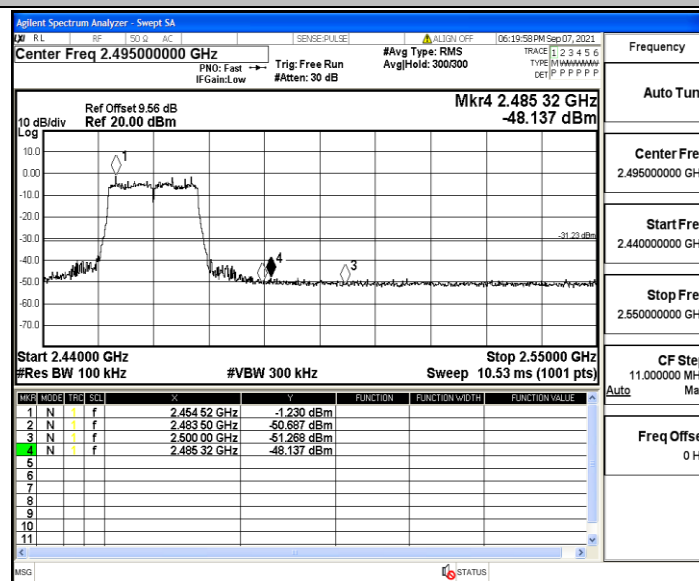
11N20MIMO\_Ant1\_Low\_2412



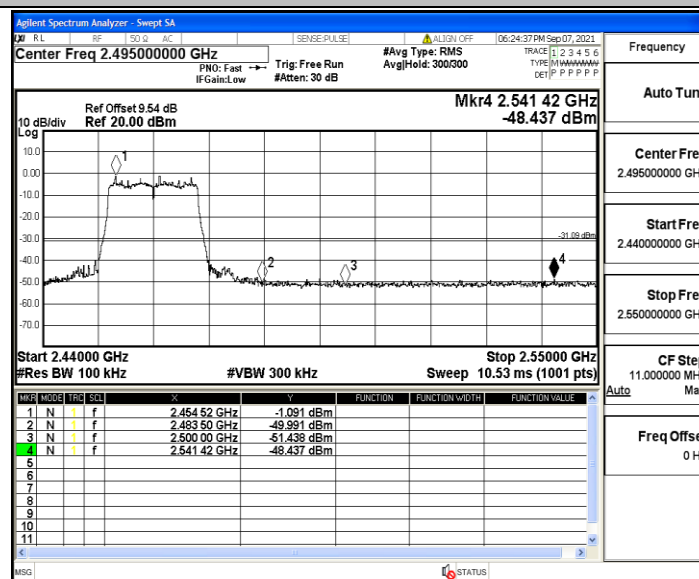
11N20MIMO\_Ant2\_Low\_2412



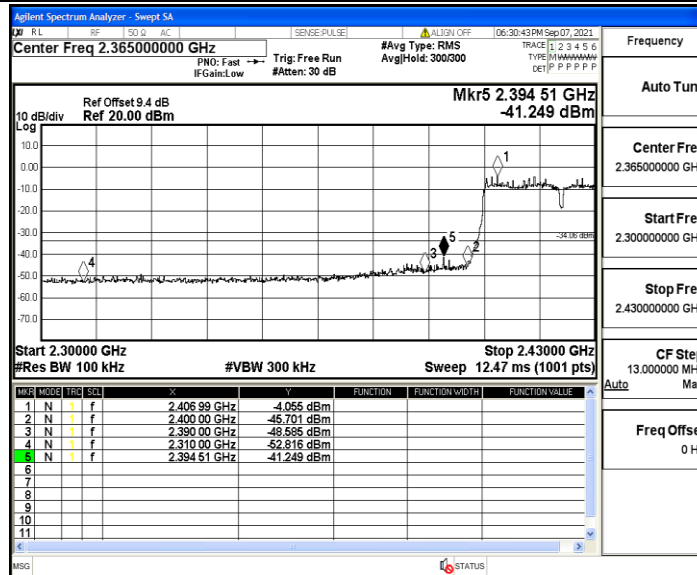
11N20MIMO\_Ant1\_High\_2462



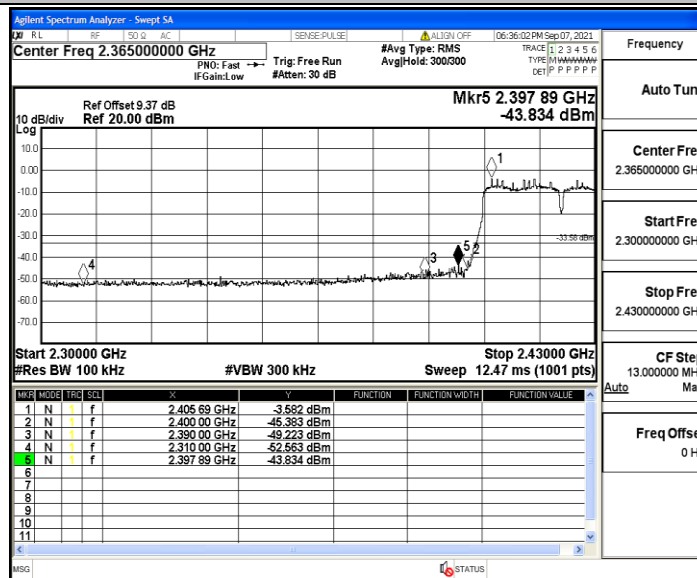
11N20MIMO\_Ant2\_High\_2462



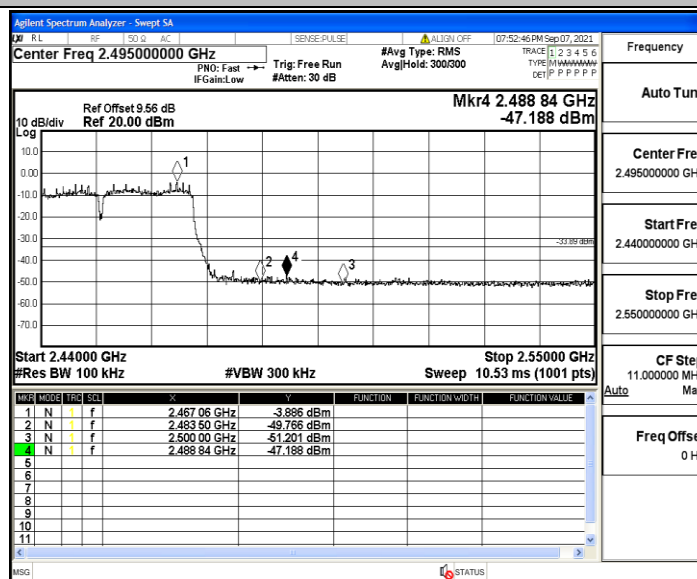
11N40MIMO\_Ant1\_Low\_2422



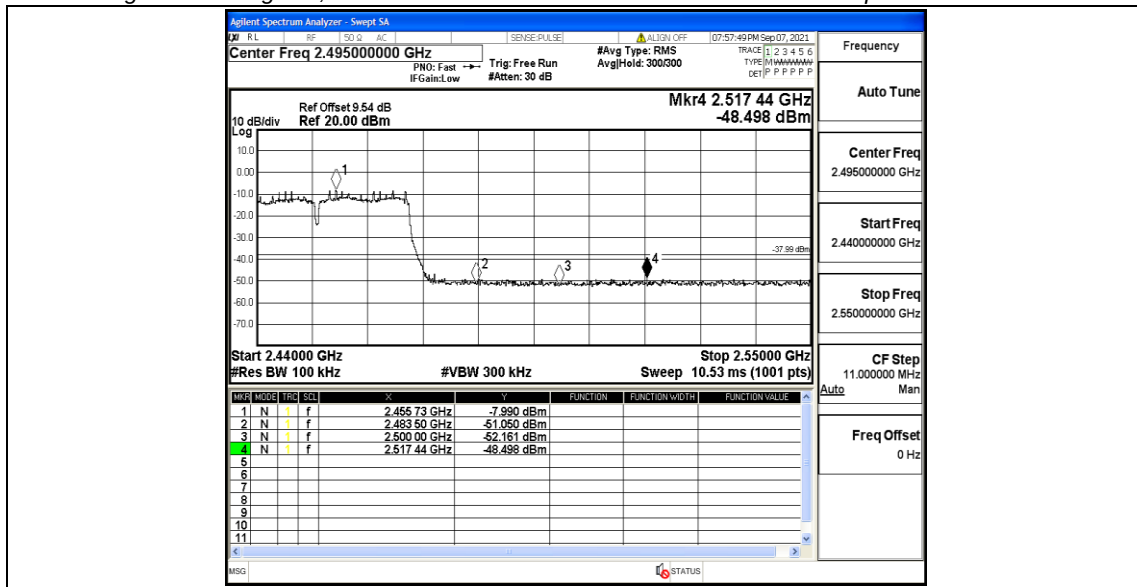
11N40MIMO\_Ant2\_Low\_2422



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          | 6.04              | 6.04            | ---            | PASS    |
|           |         |         | 30~1000            | 6.04              | -53.41          | ≤-23.97        | PASS    |
|           |         |         | 1000~26500         | 6.04              | -47.78          | ≤-23.97        | PASS    |
|           | Ant2    | 2412    | Reference          | 6.76              | 6.76            | ---            | PASS    |
|           |         |         | 30~1000            | 6.76              | -43.18          | ≤-23.24        | PASS    |
|           |         |         | 1000~26500         | 6.76              | -43.78          | ≤-23.24        | PASS    |
|           | Ant1    | 2437    | Reference          | 4.73              | 4.73            | ---            | PASS    |
|           |         |         | 30~1000            | 4.73              | -54.16          | ≤-25.27        | PASS    |
|           |         |         | 1000~26500         | 4.73              | -48.21          | ≤-25.27        | PASS    |
|           | Ant2    | 2437    | Reference          | 5.16              | 5.16            | ---            | PASS    |
|           |         |         | 30~1000            | 5.16              | -42.16          | ≤-24.85        | PASS    |
|           |         |         | 1000~26500         | 5.16              | -42.14          | ≤-24.85        | PASS    |
|           | Ant1    | 2462    | Reference          | 5.74              | 5.74            | ---            | PASS    |
|           |         |         | 30~1000            | 5.74              | -54.81          | ≤-24.26        | PASS    |
|           |         |         | 1000~26500         | 5.74              | -48.52          | ≤-24.26        | PASS    |
|           | Ant2    | 2462    | Reference          | 6.23              | 6.23            | ---            | PASS    |
|           |         |         | 30~1000            | 6.23              | -44.54          | ≤-23.77        | PASS    |
|           |         |         | 1000~26500         | 6.23              | -45.47          | ≤-23.77        | PASS    |
| 11G       | Ant1    | 2412    | Reference          | -1.36             | -1.36           | ---            | PASS    |
|           |         |         | 30~1000            | -1.36             | -49.91          | ≤-31.36        | PASS    |
|           |         |         | 1000~26500         | -1.36             | -51.55          | ≤-31.36        | PASS    |
|           | Ant2    | 2412    | Reference          | 0.43              | 0.43            | ---            | PASS    |
|           |         |         | 30~1000            | 0.43              | -49.18          | ≤-29.57        | PASS    |
|           |         |         | 1000~26500         | 0.43              | -49.97          | ≤-29.57        | PASS    |
|           | Ant1    | 2437    | Reference          | -1.49             | -1.49           | ---            | PASS    |
|           |         |         | 30~1000            | -1.49             | -50.44          | ≤-31.49        | PASS    |
|           |         |         | 1000~26500         | -1.49             | -51.1           | ≤-31.49        | PASS    |
|           | Ant2    | 2437    | Reference          | -0.72             | -0.72           | ---            | PASS    |
|           |         |         | 30~1000            | -0.72             | -50.1           | ≤-30.72        | PASS    |
|           |         |         | 1000~26500         | -0.72             | -51.25          | ≤-30.72        | PASS    |
|           | Ant1    | 2462    | Reference          | -1.12             | -1.12           | ---            | PASS    |
|           |         |         | 30~1000            | -1.12             | -50.82          | ≤-31.12        | PASS    |
|           |         |         | 1000~26500         | -1.12             | -51.02          | ≤-31.12        | PASS    |
|           | Ant2    | 2462    | Reference          | -1.17             | -1.17           | ---            | PASS    |
|           |         |         | 30~1000            | -1.17             | -51.22          | ≤-31.17        | PASS    |
|           |         |         | 1000~26500         | -1.17             | -51.48          | ≤-31.17        | PASS    |
| 11N20MIMO | Ant1    | 2412    | Reference          | -0.70             | -0.70           | ---            | PASS    |
|           |         |         | 30~1000            | -0.70             | -50.07          | ≤-30.7         | PASS    |
|           |         |         | 1000~26500         | -0.70             | -51.72          | ≤-30.7         | PASS    |
|           | Ant2    | 2412    | Reference          | -3.64             | -3.64           | ---            | PASS    |

| TestMode  | Antenna | Channel | FreqRange<br>[Mhz] | RefLevel<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|-----------|---------|---------|--------------------|-------------------|-----------------|----------------|---------|
|           |         |         | 30~1000            | -3.64             | -51.48          | ≤-33.64        | PASS    |
|           |         |         | 1000~26500         | -3.64             | -51.17          | ≤-33.64        | PASS    |
|           |         |         | Reference          | -2.06             | -2.06           | ---            | PASS    |
|           | Ant1    | 2437    | 30~1000            | -2.06             | -50.45          | ≤-32.06        | PASS    |
|           |         |         | 1000~26500         | -2.06             | -51.34          | ≤-32.06        | PASS    |
|           |         |         | Reference          | -2.64             | -2.64           | ---            | PASS    |
|           | Ant2    | 2437    | 30~1000            | -2.64             | -51.71          | ≤-32.64        | PASS    |
|           |         |         | 1000~26500         | -2.64             | -51.28          | ≤-32.64        | PASS    |
|           |         |         | Reference          | -2.44             | -2.44           | ---            | PASS    |
|           | Ant1    | 2462    | 30~1000            | -2.44             | -50.49          | ≤-32.44        | PASS    |
|           |         |         | 1000~26500         | -2.44             | -51.28          | ≤-32.44        | PASS    |
|           |         |         | Reference          | -3.94             | -3.94           | ---            | PASS    |
|           | Ant2    | 2462    | 30~1000            | -3.94             | -52.56          | ≤-33.94        | PASS    |
|           |         |         | 1000~26500         | -3.94             | -51.65          | ≤-33.94        | PASS    |
|           |         |         | Reference          | -5.23             | -5.23           | ---            | PASS    |
| 11N40MIMO | Ant1    | 2422    | 30~1000            | -5.23             | -49.09          | ≤-35.23        | PASS    |
|           |         |         | 1000~26500         | -5.23             | -52.1           | ≤-35.23        | PASS    |
|           |         |         | Reference          | -7.40             | -7.40           | ---            | PASS    |
|           | Ant2    | 2422    | 30~1000            | -7.40             | -54.46          | ≤-37.4         | PASS    |
|           |         |         | 1000~26500         | -7.40             | -52.54          | ≤-37.4         | PASS    |
|           |         |         | Reference          | -4.78             | -4.78           | ---            | PASS    |
|           | Ant1    | 2437    | 30~1000            | -4.78             | -49.11          | ≤-34.78        | PASS    |
|           |         |         | 1000~26500         | -4.78             | -51.88          | ≤-34.78        | PASS    |
|           |         |         | Reference          | -8.42             | -8.42           | ---            | PASS    |
|           | Ant2    | 2437    | 30~1000            | -8.42             | -54.33          | ≤-38.42        | PASS    |
|           |         |         | 1000~26500         | -8.42             | -51.74          | ≤-38.42        | PASS    |
|           |         |         | Reference          | -4.42             | -4.42           | ---            | PASS    |
|           | Ant1    | 2452    | 30~1000            | -4.42             | -49.57          | ≤-34.42        | PASS    |
|           |         |         | 1000~26500         | -4.42             | -51.18          | ≤-34.42        | PASS    |
|           |         |         | Reference          | -7.72             | -7.72           | ---            | PASS    |
|           | Ant2    | 2452    | 30~1000            | -7.72             | -55.6           | ≤-37.72        | PASS    |
|           |         |         | 1000~26500         | -7.72             | -52.17          | ≤-37.72        | PASS    |
|           |         |         | Reference          | -7.72             | -7.72           | ---            | PASS    |