

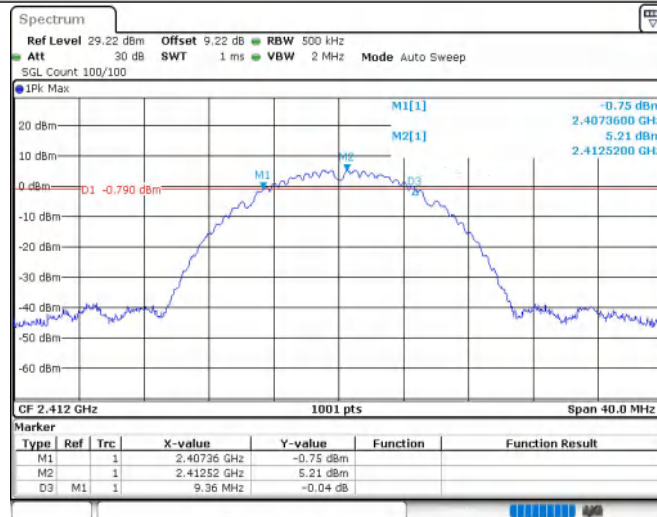
## Appendix A: DTS Bandwidth

### Test Result

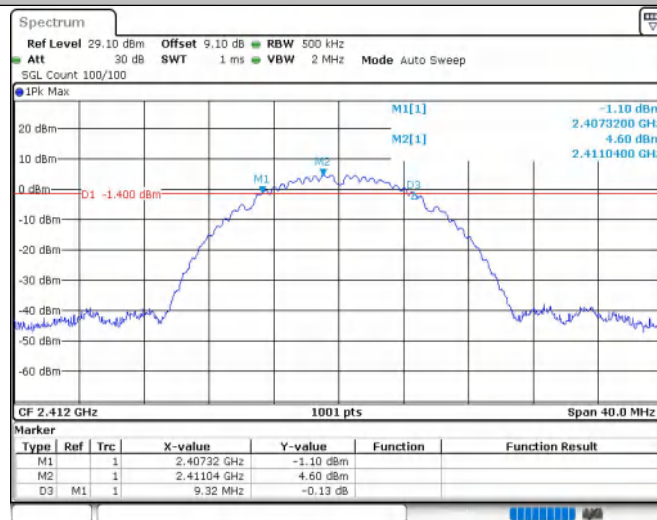
| TestMode  | Antenna | Channel | DTS BW<br>[MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|-----------|---------|---------|-----------------|---------|---------|------------|---------|
| 11B       | Ant1    | 2412    | 9.36            | 2407.36 | 2416.72 | 0.5        | PASS    |
|           | Ant2    | 2412    | 9.32            | 2407.32 | 2416.64 | 0.5        | PASS    |
|           | Ant1    | 2437    | 9.36            | 2432.32 | 2441.68 | 0.5        | PASS    |
|           | Ant2    | 2437    | 9.24            | 2432.40 | 2441.64 | 0.5        | PASS    |
|           | Ant1    | 2462    | 9.20            | 2457.40 | 2466.60 | 0.5        | PASS    |
|           | Ant2    | 2462    | 9.40            | 2457.32 | 2466.72 | 0.5        | PASS    |
| 11G       | Ant1    | 2412    | 16.00           | 2404.12 | 2420.12 | 0.5        | PASS    |
|           | Ant2    | 2412    | 16.32           | 2403.84 | 2420.16 | 0.5        | PASS    |
|           | Ant1    | 2437    | 16.16           | 2429.00 | 2445.16 | 0.5        | PASS    |
|           | Ant2    | 2437    | 16.16           | 2428.92 | 2445.08 | 0.5        | PASS    |
|           | Ant1    | 2462    | 16.16           | 2453.92 | 2470.08 | 0.5        | PASS    |
|           | Ant2    | 2462    | 16.20           | 2453.92 | 2470.12 | 0.5        | PASS    |
| 11N20MIMO | Ant1    | 2412    | 17.16           | 2403.44 | 2420.60 | 0.5        | PASS    |
|           | Ant2    | 2412    | 17.24           | 2403.44 | 2420.68 | 0.5        | PASS    |
|           | Ant1    | 2437    | 17.40           | 2428.40 | 2445.80 | 0.5        | PASS    |
|           | Ant2    | 2437    | 17.36           | 2428.40 | 2445.76 | 0.5        | PASS    |
|           | Ant1    | 2462    | 17.52           | 2453.32 | 2470.84 | 0.5        | PASS    |
|           | Ant2    | 2462    | 16.16           | 2453.76 | 2469.92 | 0.5        | PASS    |
| 11N40MIMO | Ant1    | 2422    | 34.56           | 2404.32 | 2438.88 | 0.5        | PASS    |
|           | Ant2    | 2422    | 35.92           | 2403.92 | 2439.84 | 0.5        | PASS    |
|           | Ant1    | 2437    | 35.84           | 2419.24 | 2455.08 | 0.5        | PASS    |
|           | Ant2    | 2437    | 34.16           | 2419.56 | 2453.72 | 0.5        | PASS    |
|           | Ant1    | 2452    | 35.20           | 2434.32 | 2469.52 | 0.5        | PASS    |
|           | Ant2    | 2452    | 35.76           | 2434.40 | 2470.16 | 0.5        | PASS    |

## Test Graphs

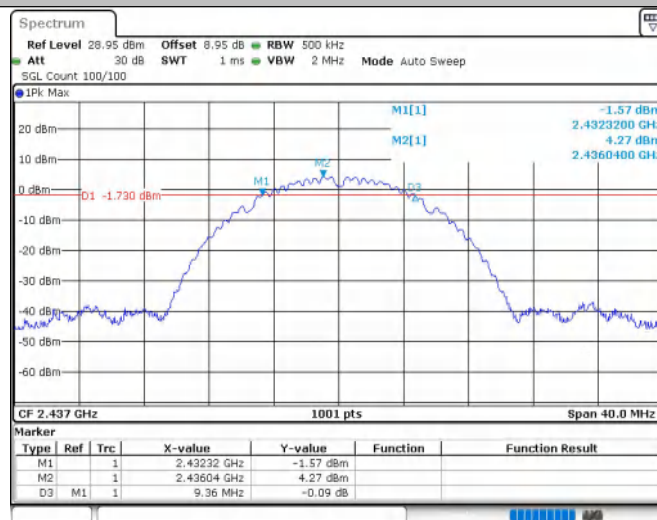
11B\_Ant1\_2412



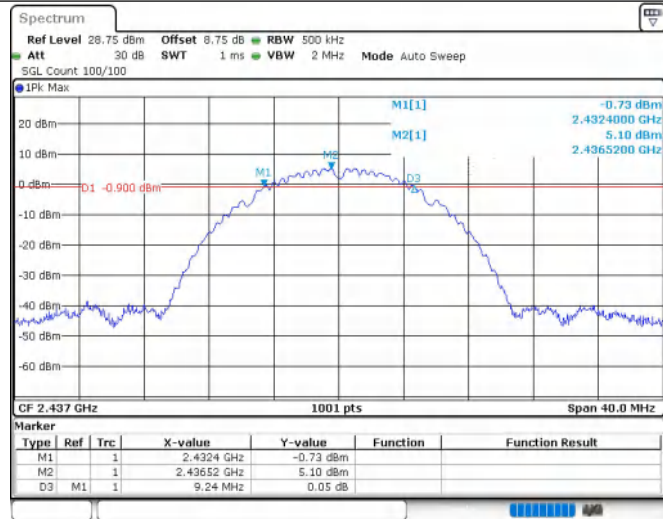
11B\_Ant2\_2412



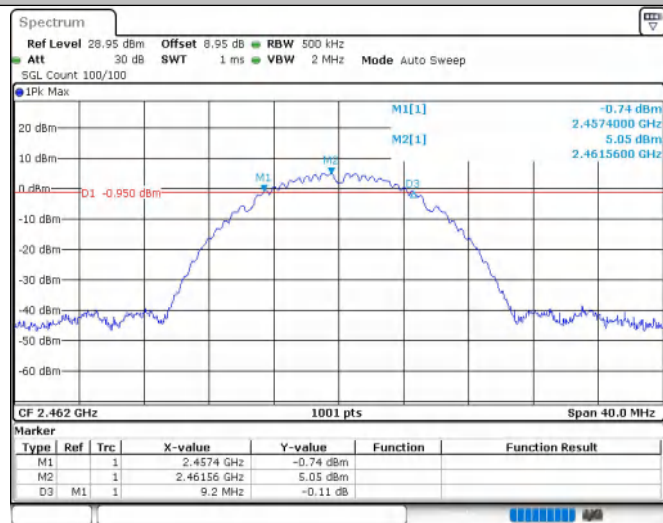
11B\_Ant1\_2437



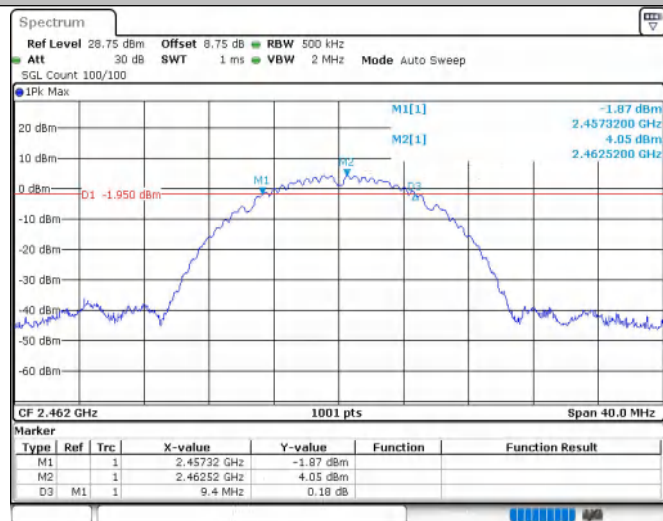
11B\_Ant2\_2437



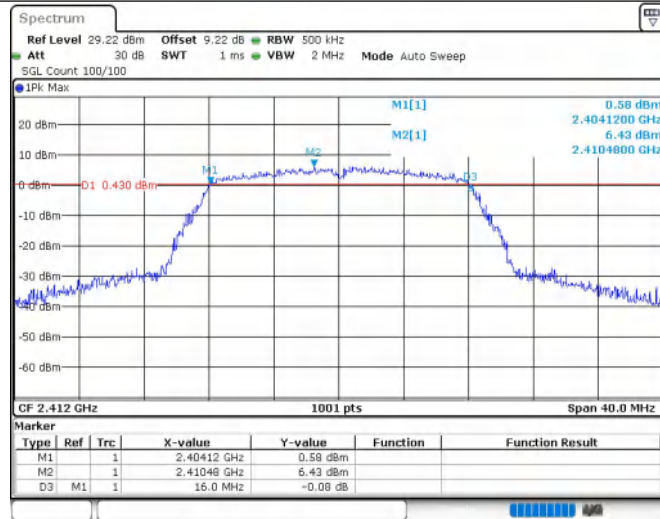
11B\_Ant1\_2462



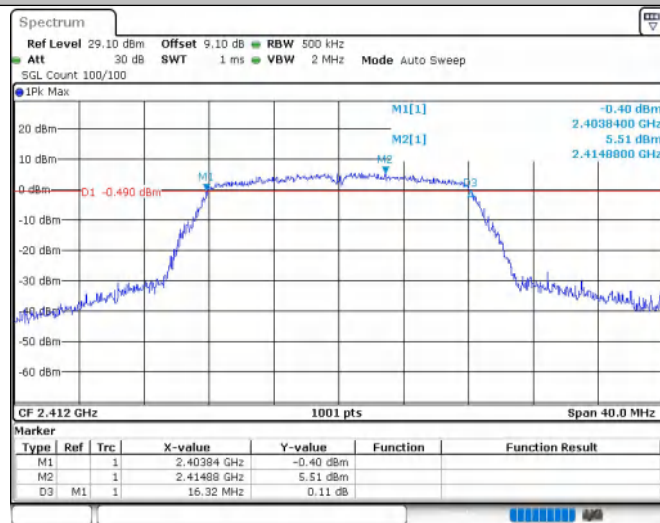
11B\_Ant2\_2462



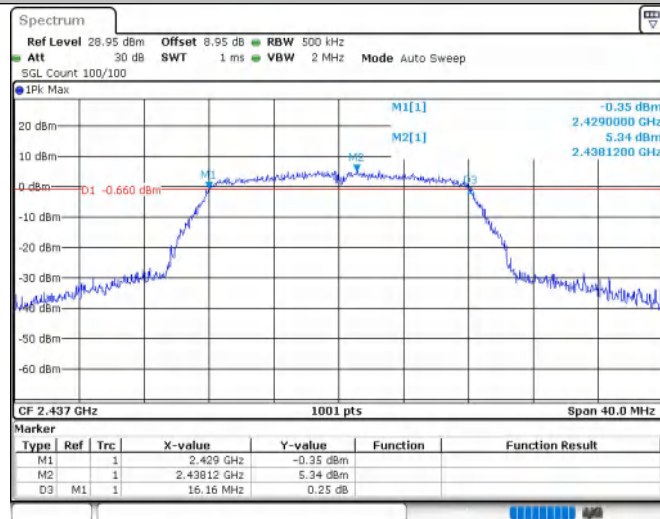
11G\_Ant1\_2412



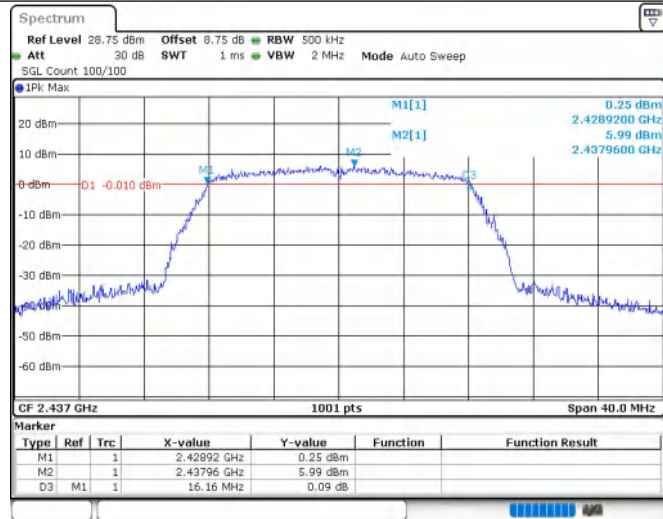
11G\_Ant2\_2412



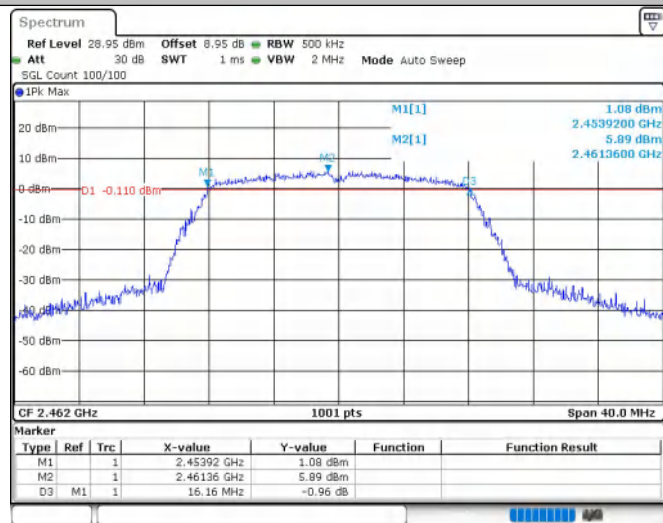
11G\_Ant1\_2437



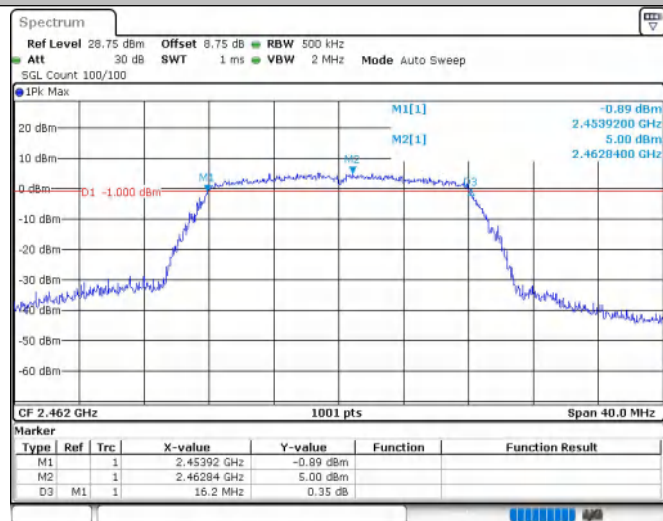
11G\_Ant2\_2437



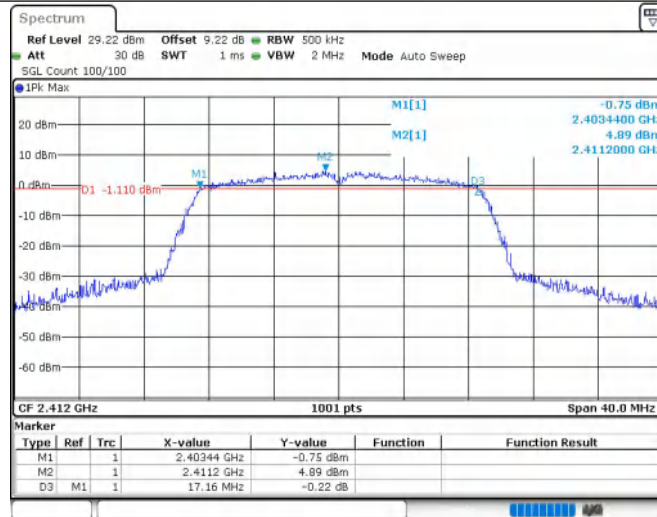
11G\_Ant1\_2462



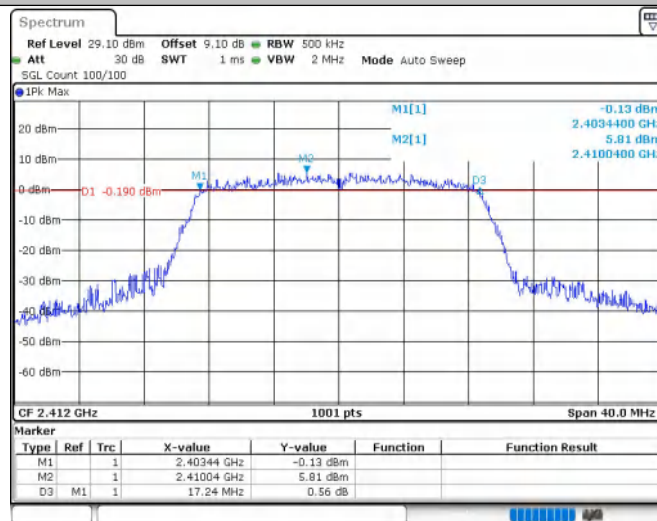
11G\_Ant2\_2462



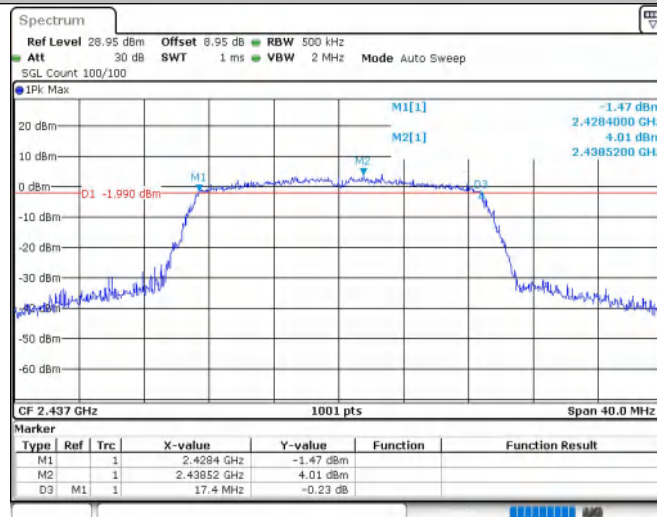
11N20MIMO\_Ant1\_2412



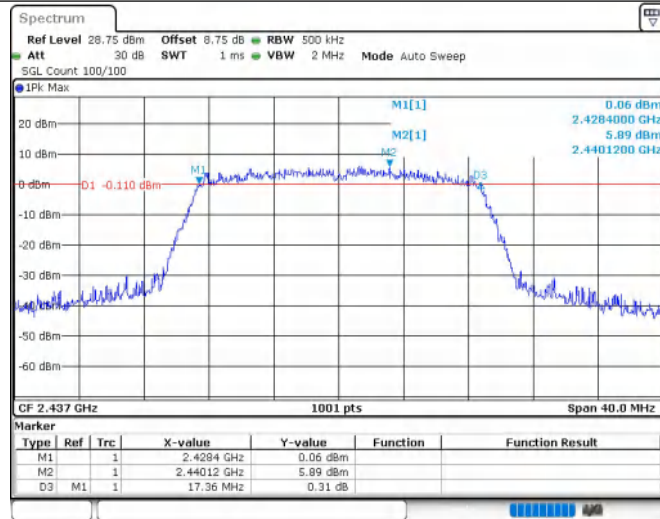
11N20MIMO\_Ant2\_2412



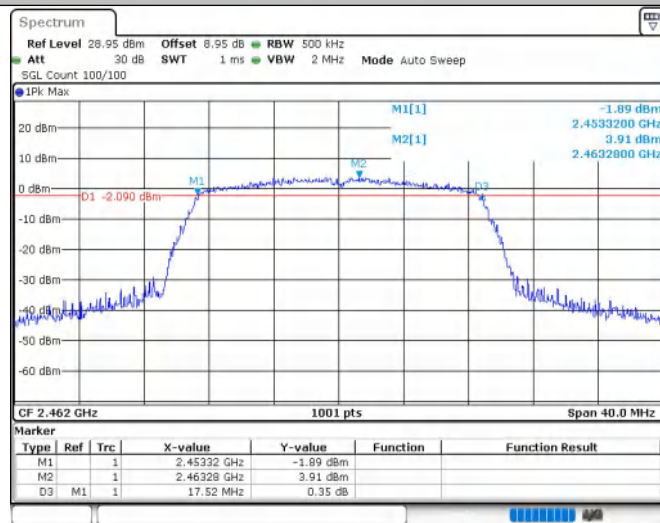
11N20MIMO\_Ant1\_2437



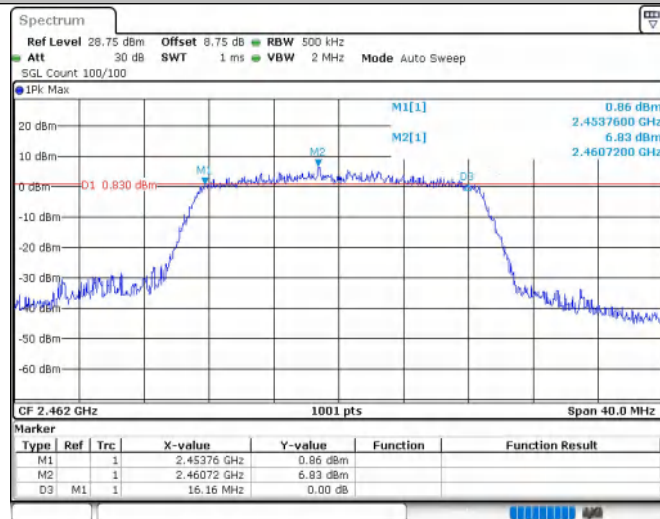
11N20MIMO\_Ant2\_2437



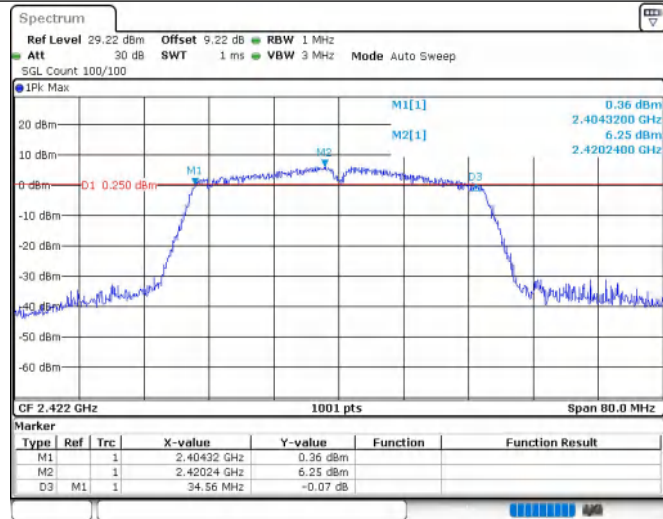
11N20MIMO\_Ant1\_2462



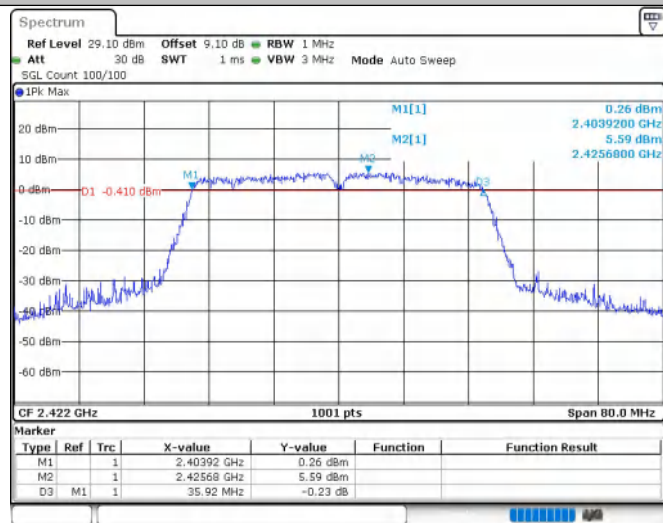
11N20MIMO\_Ant2\_2462



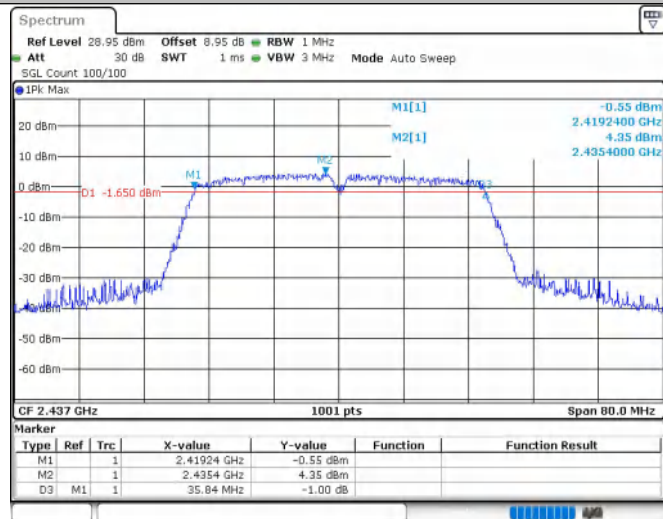
11N40MIMO\_Ant1\_2422



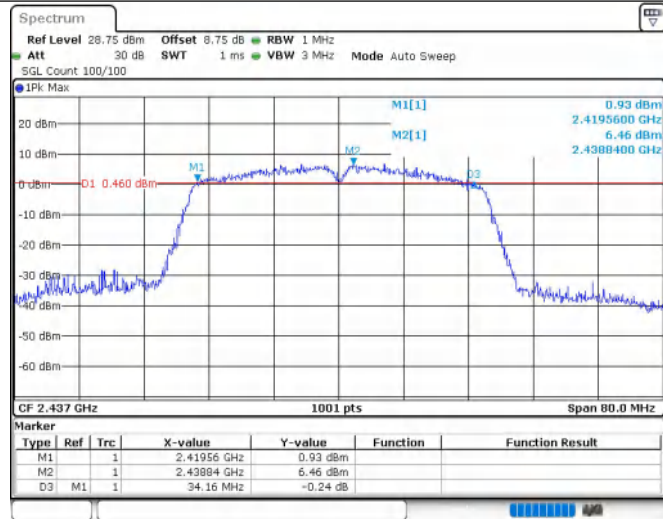
11N40MIMO\_Ant2\_2422



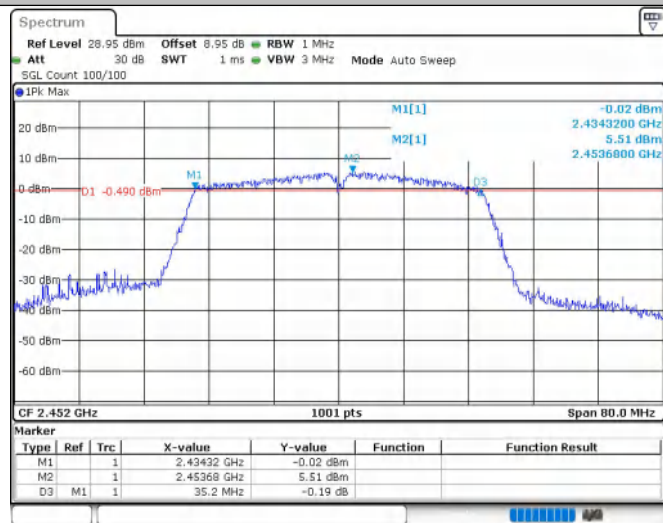
11N40MIMO\_Ant1\_2437



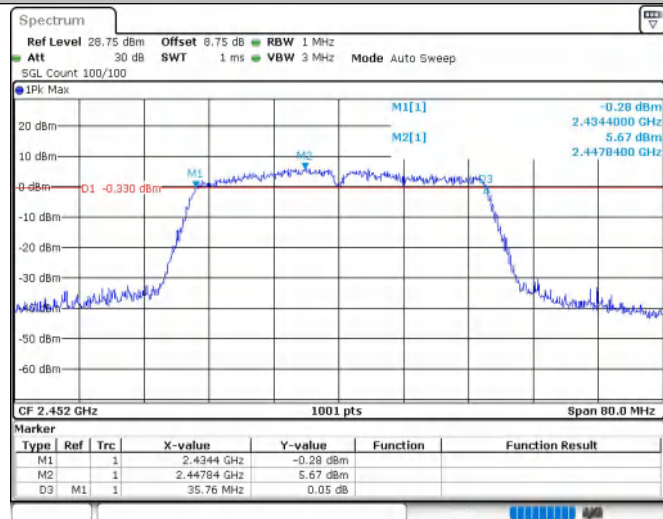
11N40MIMO\_Ant2\_2437



11N40MIMO\_Ant1\_2452



11N40MIMO\_Ant2\_2452



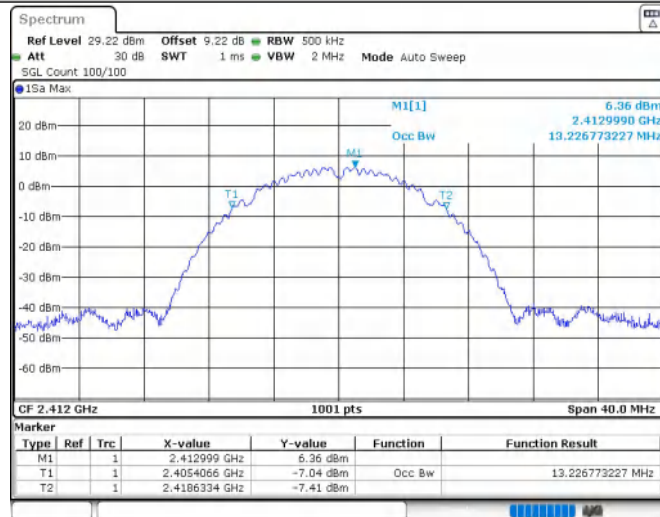
## Appendix B: Occupied Channel Bandwidth

### Test Result

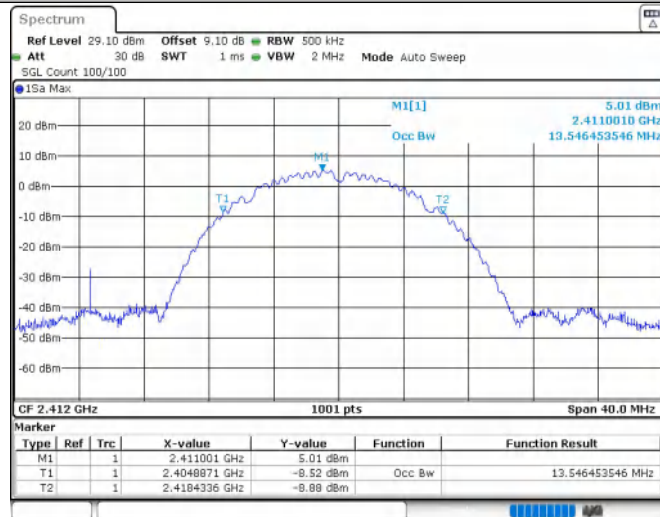
| TestMode  | Antenna | Channel | OCB [MHz] | Limit[MHz] | Verdict |
|-----------|---------|---------|-----------|------------|---------|
| 11B       | Ant1    | 2412    | 13.227    | ---        | ---     |
|           | Ant2    | 2412    | 13.546    | ---        | ---     |
|           | Ant1    | 2437    | 13.307    | ---        | ---     |
|           | Ant2    | 2437    | 13.107    | ---        | ---     |
|           | Ant1    | 2462    | 13.147    | ---        | ---     |
|           | Ant2    | 2462    | 13.626    | ---        | ---     |
| 11G       | Ant1    | 2412    | 16.783    | ---        | ---     |
|           | Ant2    | 2412    | 16.823    | ---        | ---     |
|           | Ant1    | 2437    | 16.783    | ---        | ---     |
|           | Ant2    | 2437    | 16.903    | ---        | ---     |
|           | Ant1    | 2462    | 16.663    | ---        | ---     |
|           | Ant2    | 2462    | 16.863    | ---        | ---     |
| 11N20MIMO | Ant1    | 2412    | 17.742    | ---        | ---     |
|           | Ant2    | 2412    | 17.742    | ---        | ---     |
|           | Ant1    | 2437    | 17.822    | ---        | ---     |
|           | Ant2    | 2437    | 17.822    | ---        | ---     |
|           | Ant1    | 2462    | 17.662    | ---        | ---     |
|           | Ant2    | 2462    | 17.742    | ---        | ---     |
| 11N40MIMO | Ant1    | 2422    | 35.964    | ---        | ---     |
|           | Ant2    | 2422    | 36.444    | ---        | ---     |
|           | Ant1    | 2437    | 36.284    | ---        | ---     |
|           | Ant2    | 2437    | 36.044    | ---        | ---     |
|           | Ant1    | 2452    | 36.044    | ---        | ---     |
|           | Ant2    | 2452    | 36.124    | ---        | ---     |

## Test Graphs

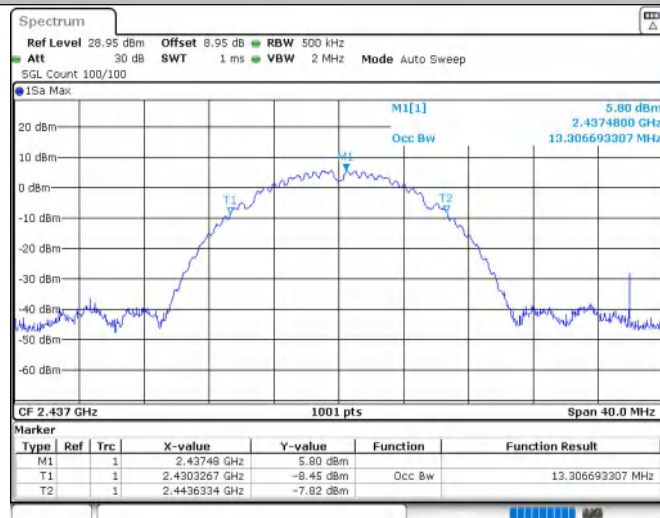
11B\_Ant1\_2412



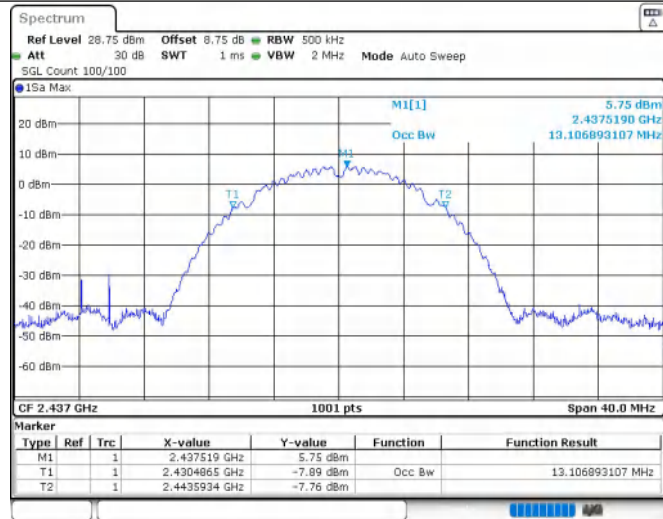
11B\_Ant2\_2412



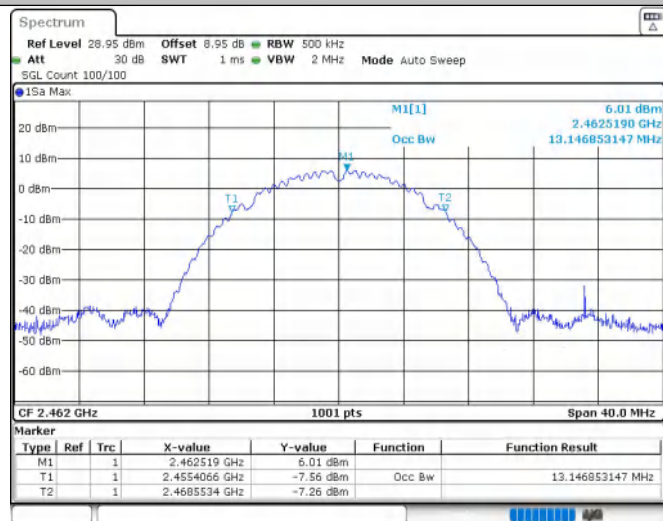
11B\_Ant1\_2437



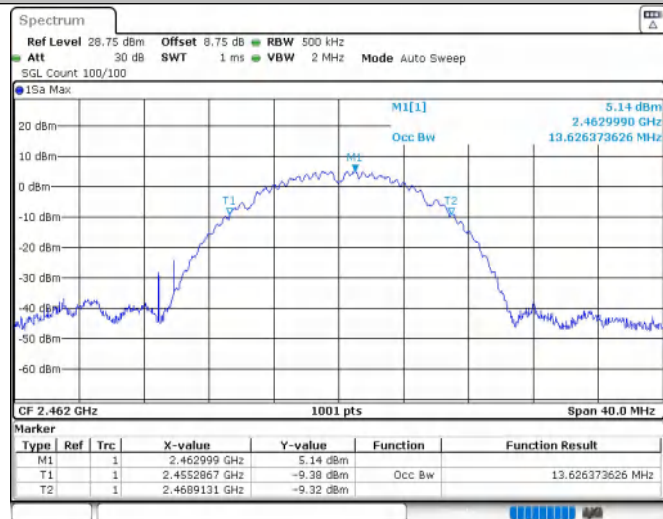
11B\_Ant2\_2437



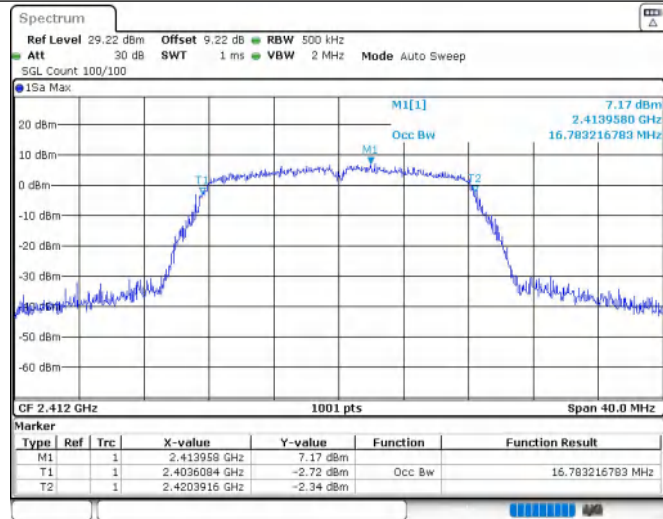
11B\_Ant1\_2462



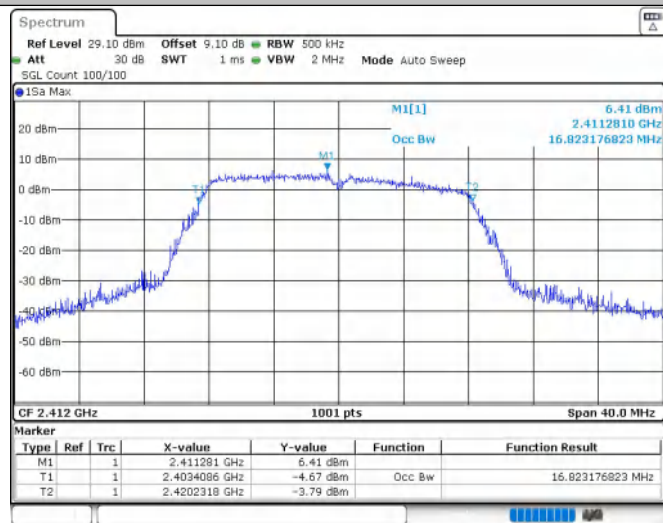
11B\_Ant2\_2462



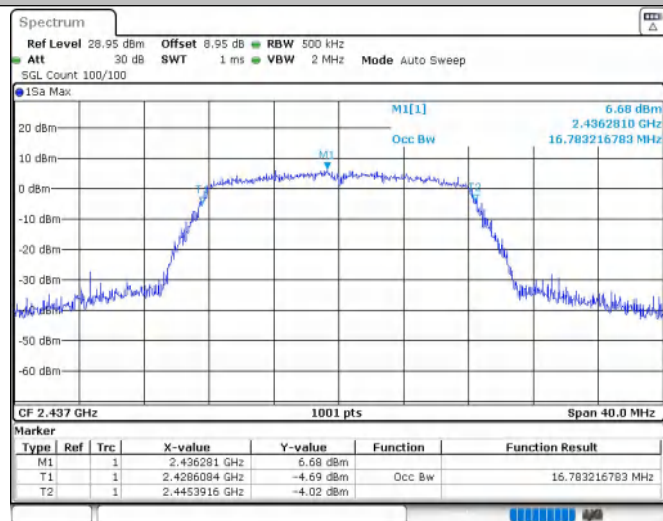
11G\_Ant1\_2412



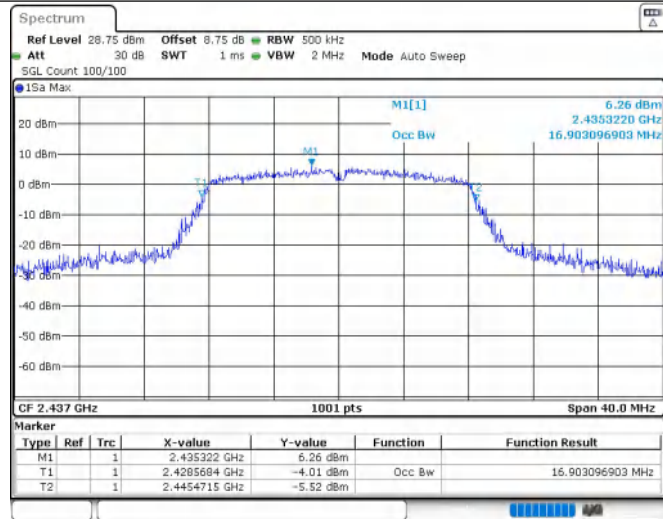
11G\_Ant2\_2412



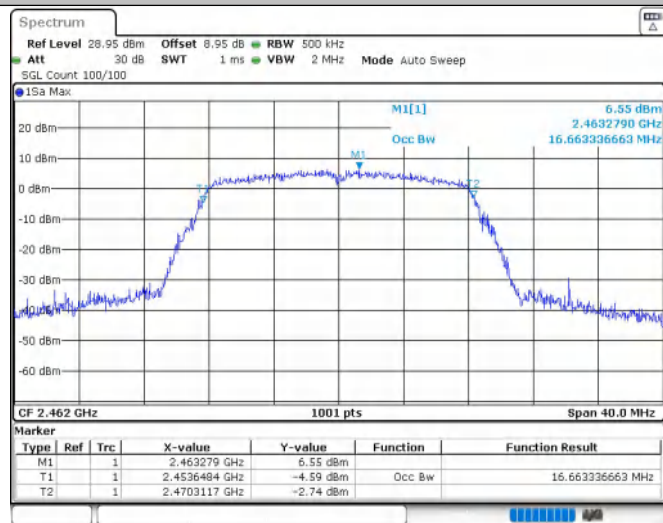
11G\_Ant1\_2437



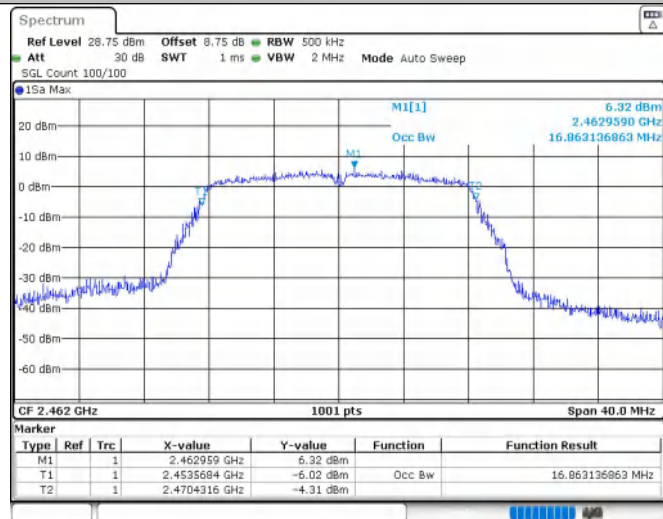
11G\_Ant2\_2437



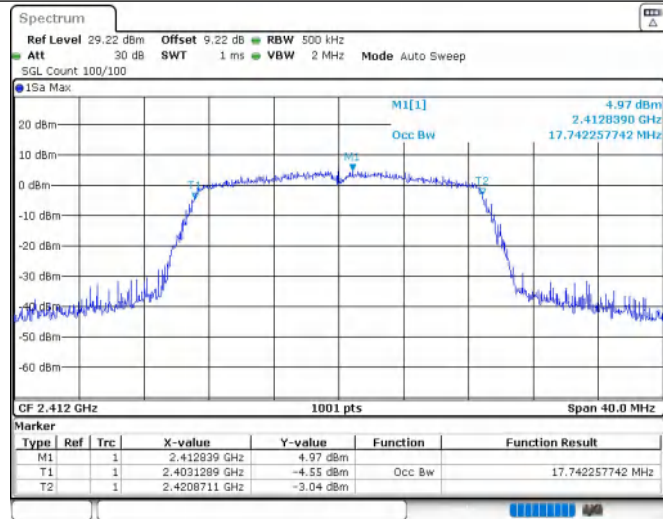
11G\_Ant1\_2462



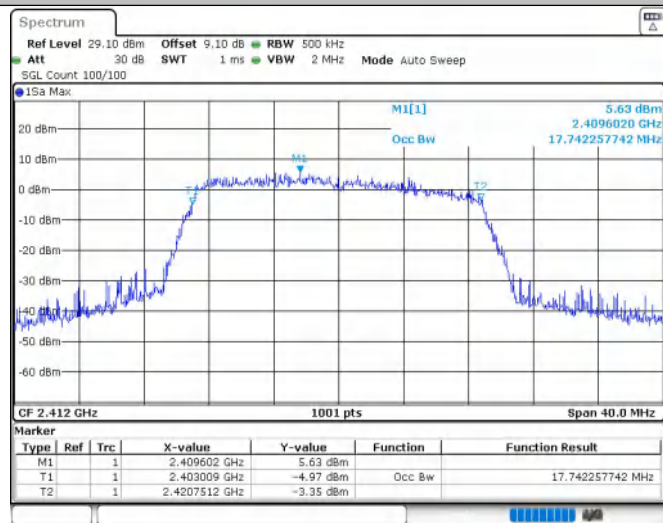
11G\_Ant2\_2462



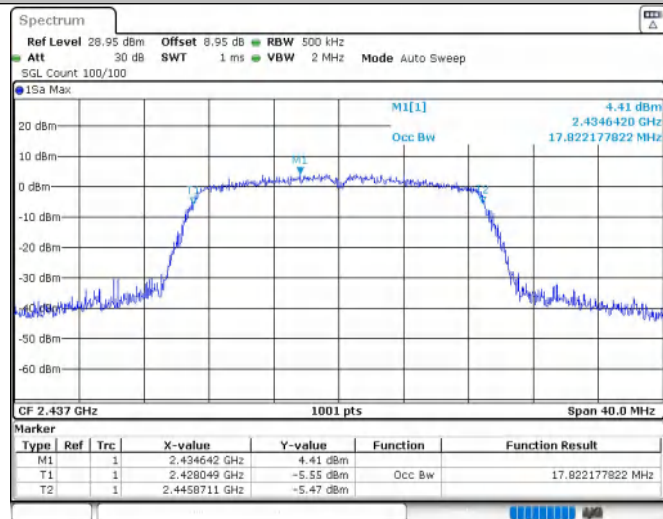
11N20MIMO\_Ant1\_2412



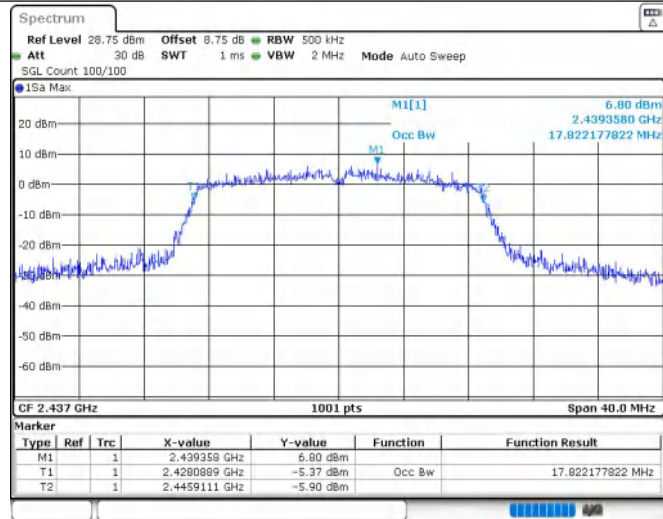
11N20MIMO\_Ant2\_2412



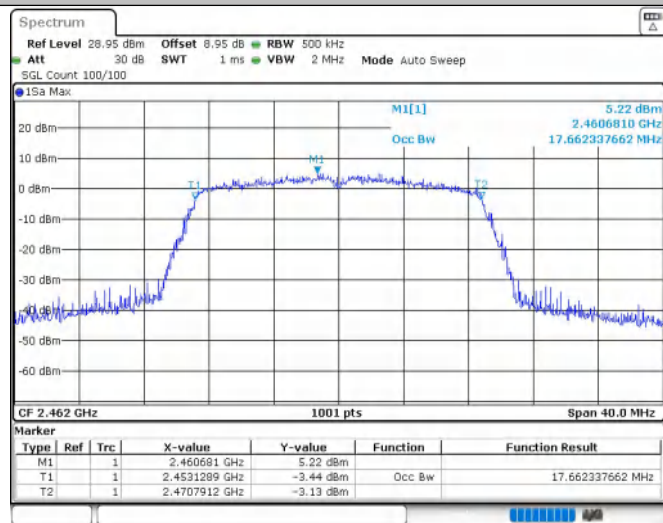
11N20MIMO\_Ant1\_2437



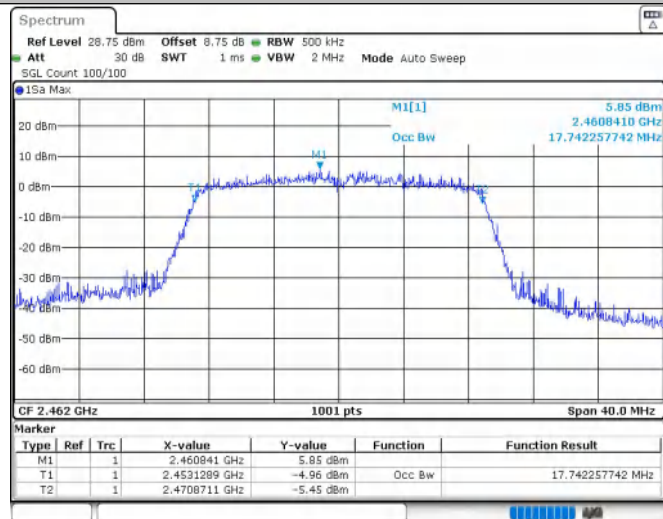
11N20MIMO\_Ant2\_2437



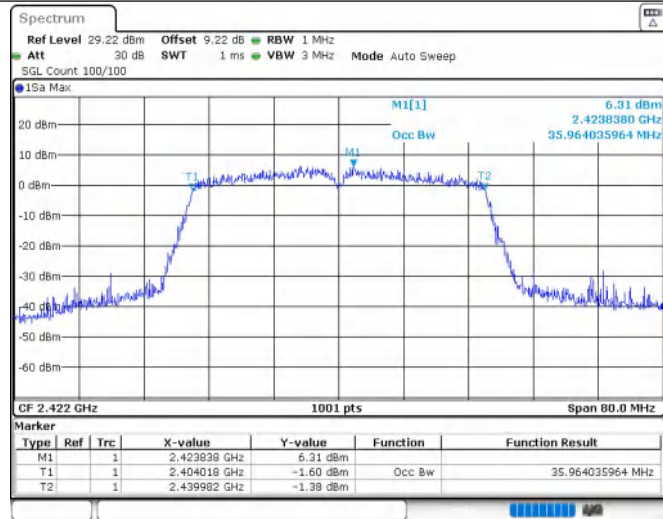
11N20MIMO\_Ant1\_2462



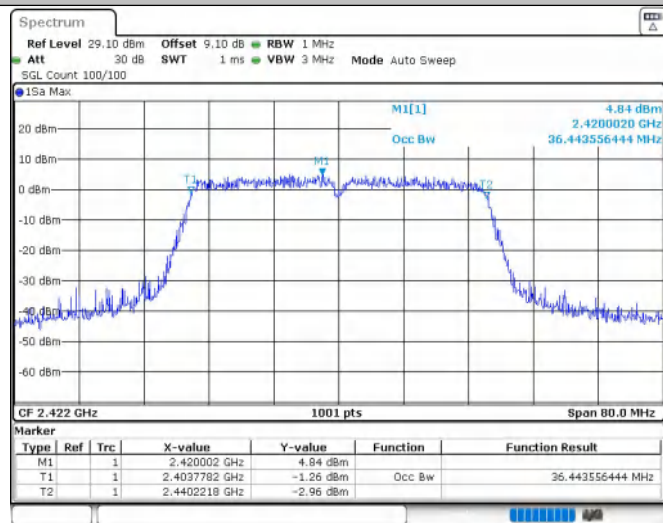
11N20MIMO\_Ant2\_2462



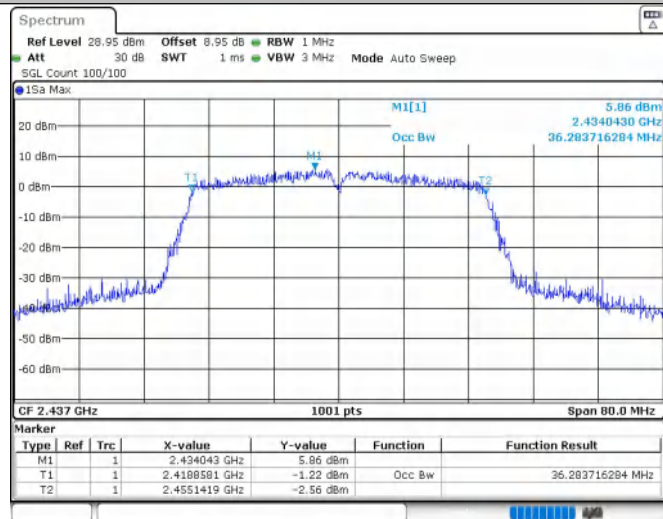
11N40MIMO\_Ant1\_2422



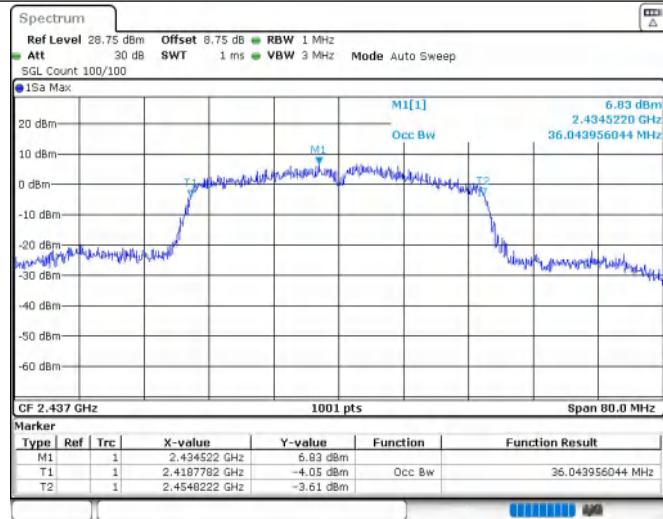
11N40MIMO\_Ant2\_2422



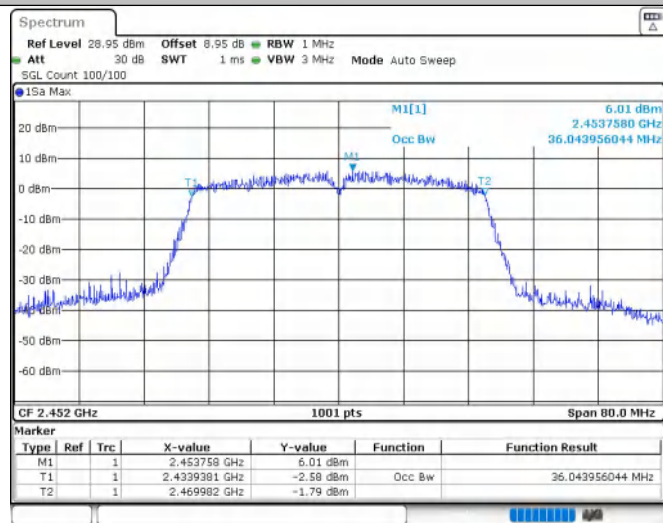
11N40MIMO\_Ant1\_2437



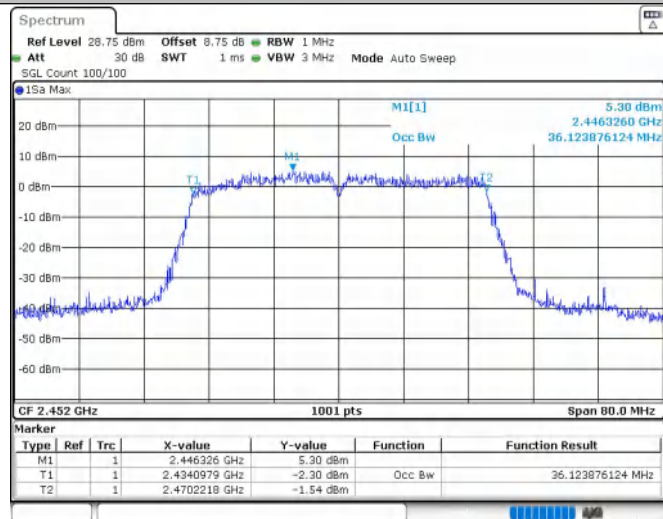
11N40MIMO\_Ant2\_2437



11N40MIMO\_Ant1\_2452



11N40MIMO\_Ant2\_2452



## Appendix C: Maximum conducted output power

### Test Result Peak

| TestMode  | Antenna | Channel | Set Power | Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|-----------|---------|---------|-----------|-----------------|----------------------|---------|
| 11B       | Ant1    | 2412    | ---       | 17.37           | ≤30.00               | PASS    |
|           | Ant2    | 2412    | ---       | 15.41           | ≤30.00               | PASS    |
|           | Ant1    | 2437    | ---       | 16.66           | ≤30.00               | PASS    |
|           | Ant2    | 2437    | ---       | 15.76           | ≤30.00               | PASS    |
|           | Ant1    | 2462    | ---       | 16.18           | ≤30.00               | PASS    |
|           | Ant2    | 2462    | ---       | 15.68           | ≤30.00               | PASS    |
| 11G       | Ant1    | 2412    | ---       | 21.23           | ≤30.00               | PASS    |
|           | Ant2    | 2412    | ---       | 20.22           | ≤30.00               | PASS    |
|           | Ant1    | 2437    | ---       | 20.28           | ≤30.00               | PASS    |
|           | Ant2    | 2437    | ---       | 19.35           | ≤30.00               | PASS    |
|           | Ant1    | 2462    | ---       | 20.50           | ≤30.00               | PASS    |
|           | Ant2    | 2462    | ---       | 19.46           | ≤30.00               | PASS    |
| 11N20MIMO | Ant1    | 2412    | ---       | 19.15           | ≤30.00               | PASS    |
|           | Ant2    | 2412    | ---       | 18.08           | ≤30.00               | PASS    |
|           | total   | 2412    | ---       | 21.66           | ≤30.00               | PASS    |
|           | Ant1    | 2437    | ---       | 18.93           | ≤30.00               | PASS    |
|           | Ant2    | 2437    | ---       | 18.70           | ≤30.00               | PASS    |
|           | total   | 2437    | ---       | 21.83           | ≤30.00               | PASS    |
|           | Ant1    | 2462    | ---       | 18.91           | ≤30.00               | PASS    |
|           | Ant2    | 2462    | ---       | 18.97           | ≤30.00               | PASS    |
|           | total   | 2462    | ---       | 21.95           | ≤30.00               | PASS    |
| 11N40MIMO | Ant1    | 2422    | ---       | 19.61           | ≤30.00               | PASS    |
|           | Ant2    | 2422    | ---       | 19.53           | ≤30.00               | PASS    |
|           | total   | 2422    | ---       | 22.58           | ≤30.00               | PASS    |
|           | Ant1    | 2437    | ---       | 18.95           | ≤30.00               | PASS    |
|           | Ant2    | 2437    | ---       | 19.46           | ≤30.00               | PASS    |
|           | total   | 2437    | ---       | 22.22           | ≤30.00               | PASS    |
|           | Ant1    | 2452    | ---       | 19.58           | ≤30.00               | PASS    |
|           | Ant2    | 2452    | ---       | 18.47           | ≤30.00               | PASS    |
|           | total   | 2452    | ---       | 22.07           | ≤30.00               | PASS    |

## Appendix D: Maximum power spectral density

### Test Result

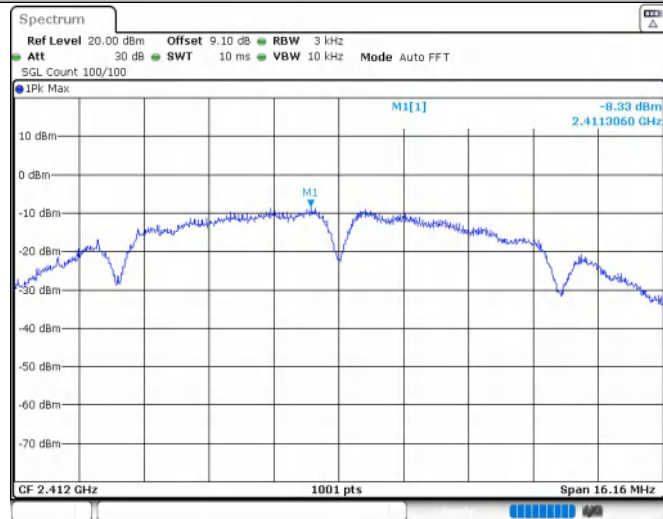
| TestMode  | Antenna | Channel | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|---------|----------------------|-----------------|---------|
| 11B       | Ant1    | 2412    | -8.23                | ≤8.00           | PASS    |
|           | Ant2    | 2412    | -8.33                | ≤8.00           | PASS    |
|           | Ant1    | 2437    | -7.87                | ≤8.00           | PASS    |
|           | Ant2    | 2437    | -7.98                | ≤8.00           | PASS    |
|           | Ant1    | 2462    | -7.74                | ≤8.00           | PASS    |
|           | Ant2    | 2462    | -8.76                | ≤8.00           | PASS    |
| 11G       | Ant1    | 2412    | -9.98                | ≤8.00           | PASS    |
|           | Ant2    | 2412    | -11.07               | ≤8.00           | PASS    |
|           | Ant1    | 2437    | -10.86               | ≤8.00           | PASS    |
|           | Ant2    | 2437    | -10.46               | ≤8.00           | PASS    |
|           | Ant1    | 2462    | -10.79               | ≤8.00           | PASS    |
|           | Ant2    | 2462    | -10.67               | ≤8.00           | PASS    |
| 11N20MIMO | Ant1    | 2412    | -12.24               | ≤8.00           | PASS    |
|           | Ant2    | 2412    | -11.67               | ≤8.00           | PASS    |
|           | total   | 2412    | -8.94                | ≤8.00           | PASS    |
|           | Ant1    | 2437    | -11.38               | ≤8.00           | PASS    |
|           | Ant2    | 2437    | -11.25               | ≤8.00           | PASS    |
|           | total   | 2437    | -8.30                | ≤8.00           | PASS    |
|           | Ant1    | 2462    | -10.83               | ≤8.00           | PASS    |
|           | Ant2    | 2462    | -12.92               | ≤8.00           | PASS    |
|           | total   | 2462    | -8.74                | ≤8.00           | PASS    |
| 11N40MIMO | Ant1    | 2422    | -13.39               | ≤8.00           | PASS    |
|           | Ant2    | 2422    | -15.42               | ≤8.00           | PASS    |
|           | total   | 2422    | -11.28               | ≤8.00           | PASS    |
|           | Ant1    | 2437    | -15.53               | ≤8.00           | PASS    |
|           | Ant2    | 2437    | -14.40               | ≤8.00           | PASS    |
|           | total   | 2437    | -11.92               | ≤8.00           | PASS    |
|           | Ant1    | 2452    | -14.88               | ≤8.00           | PASS    |
|           | Ant2    | 2452    | -16.43               | ≤8.00           | PASS    |
|           | total   | 2452    | -12.58               | ≤8.00           | PASS    |

## Test Graphs

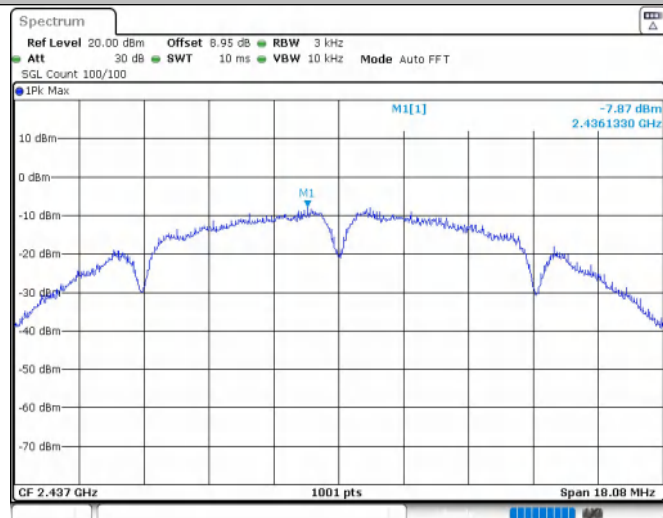
11B\_Ant1\_2412



11B\_Ant2\_2412



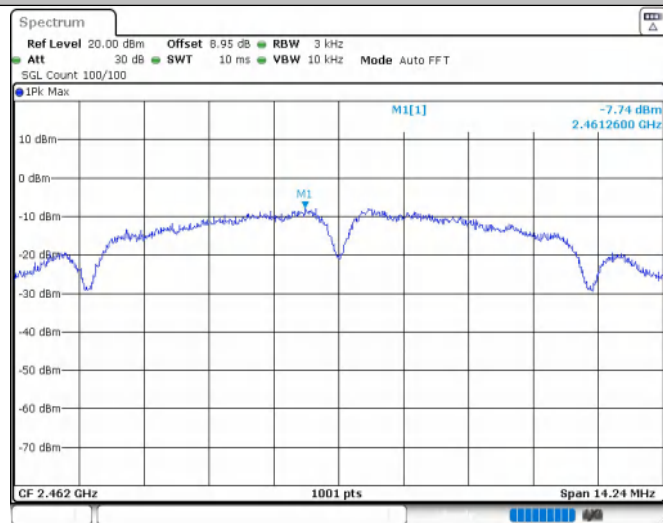
11B\_Ant1\_2437



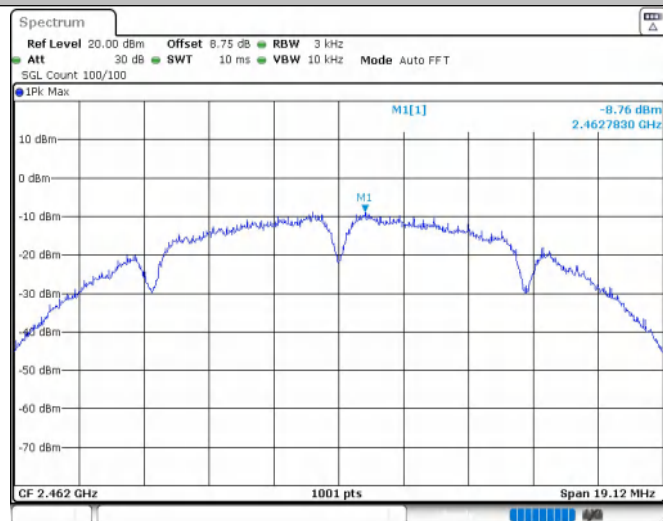
11B\_Ant2\_2437



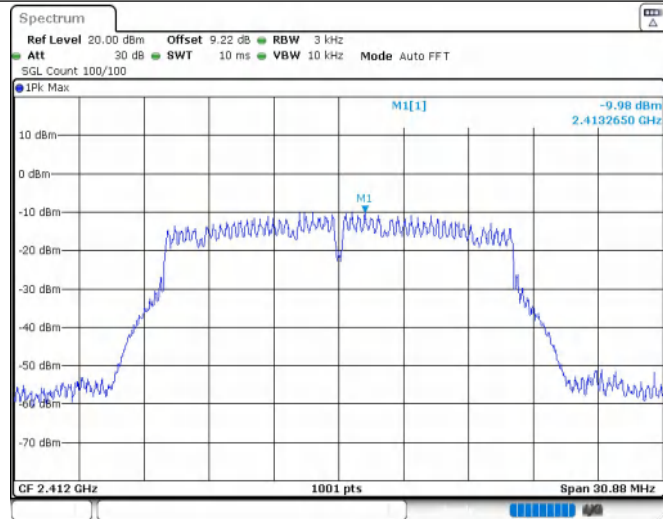
11B\_Ant1\_2462



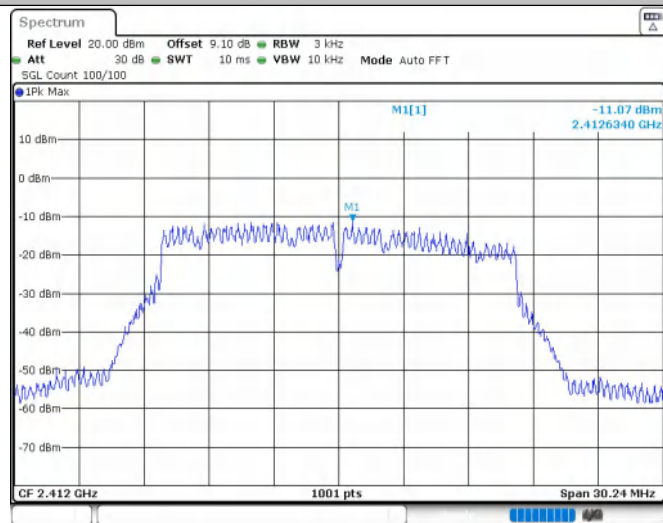
11B\_Ant2\_2462



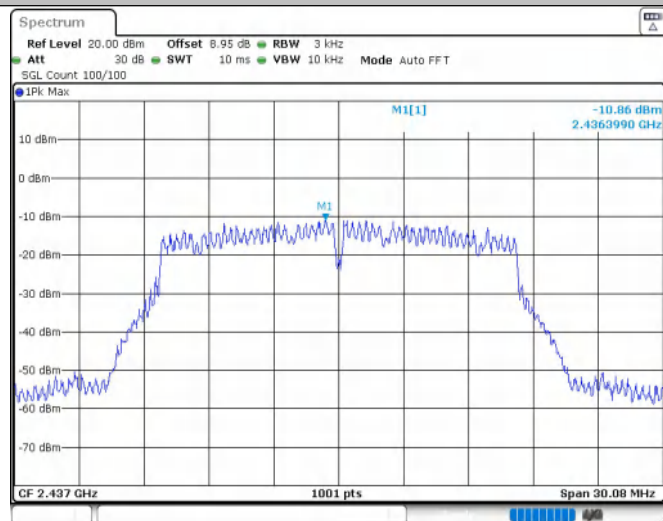
11G\_Ant1\_2412



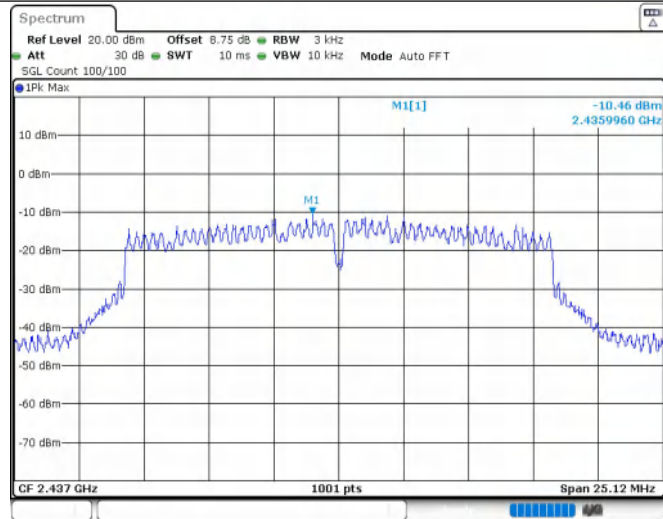
11G\_Ant2\_2412



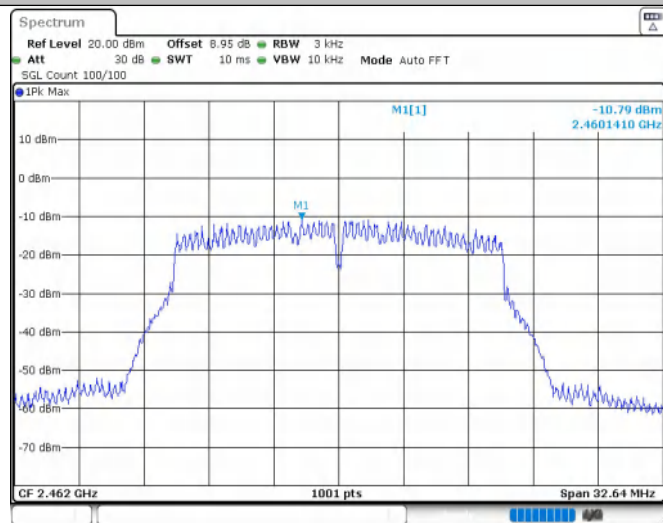
11G\_Ant1\_2437



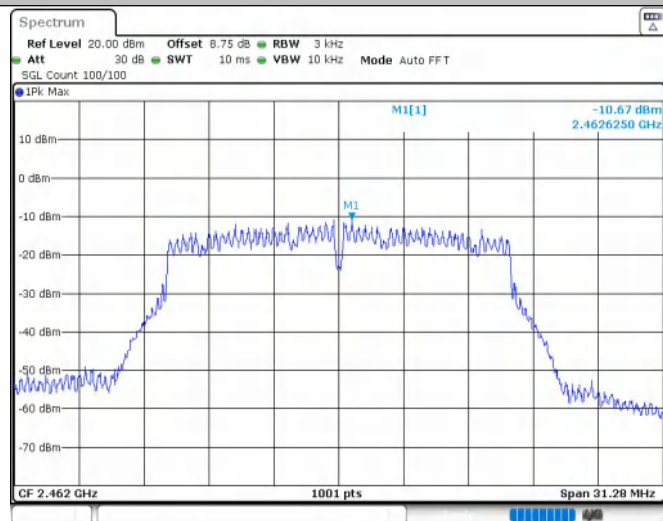
11G\_Ant2\_2437



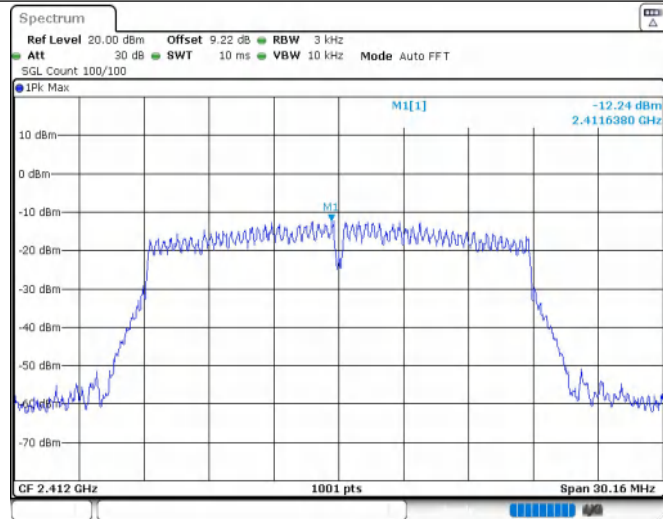
11G\_Ant1\_2462



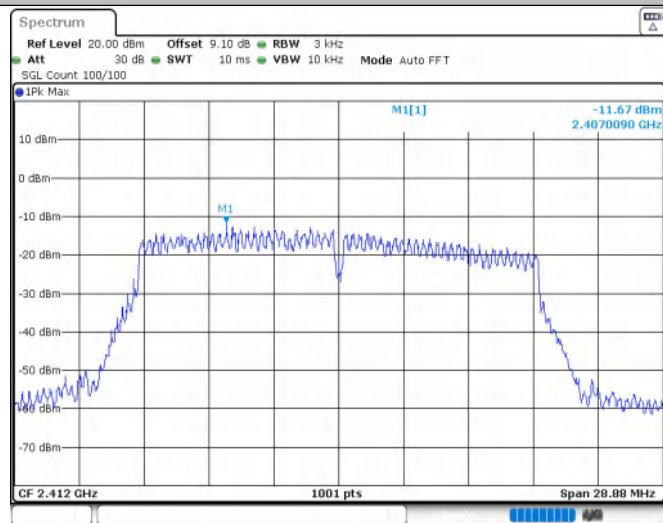
11G\_Ant2\_2462



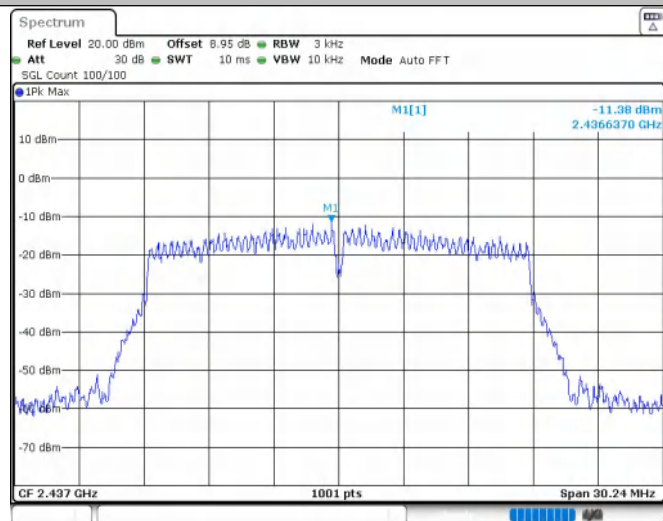
11N20MIMO\_Ant1\_2412



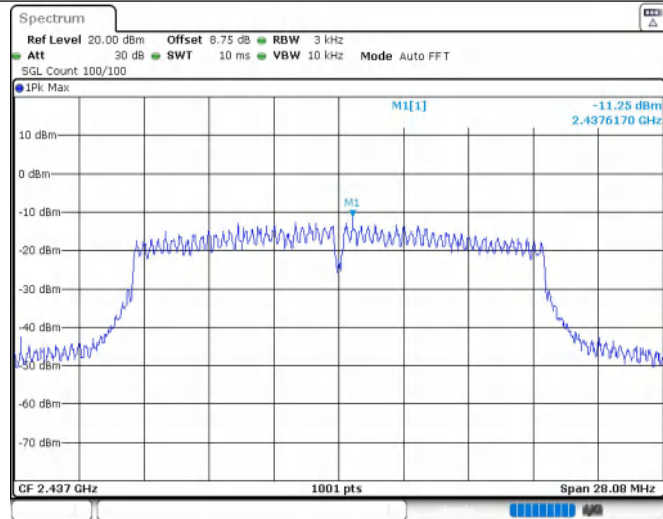
11N20MIMO\_Ant2\_2412



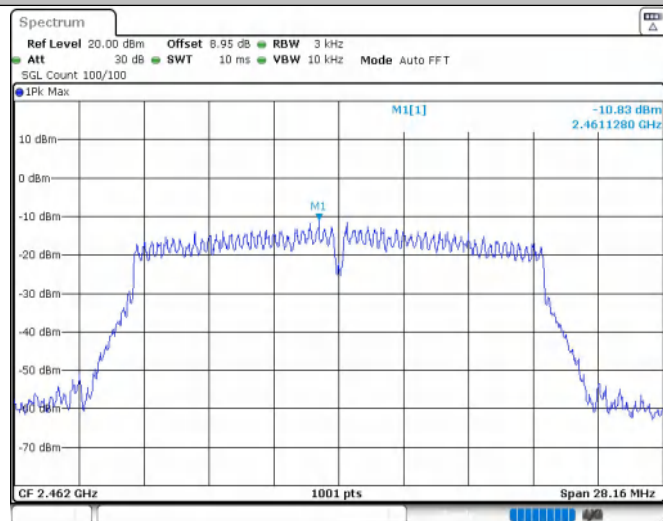
11N20MIMO\_Ant1\_2437



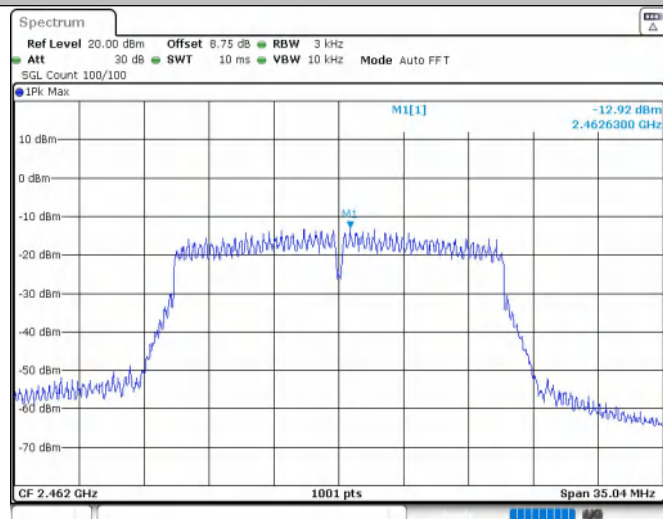
11N20MIMO\_Ant2\_2437



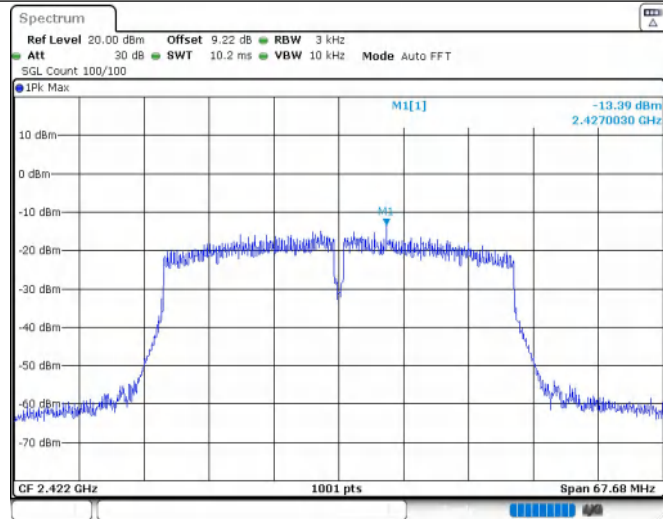
11N20MIMO\_Ant1\_2462



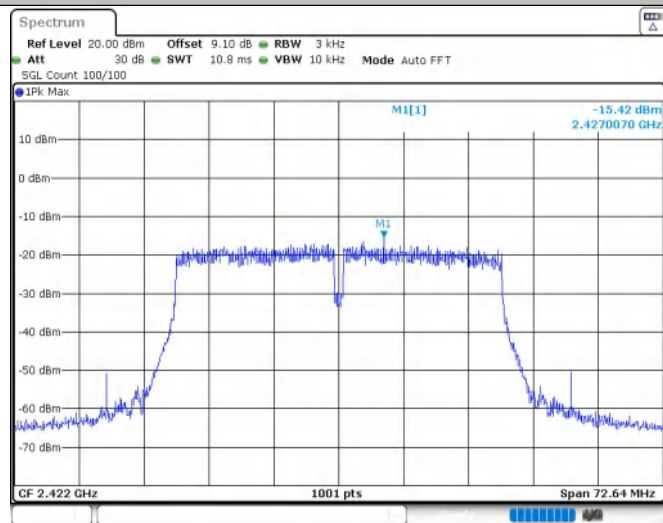
11N20MIMO\_Ant2\_2462



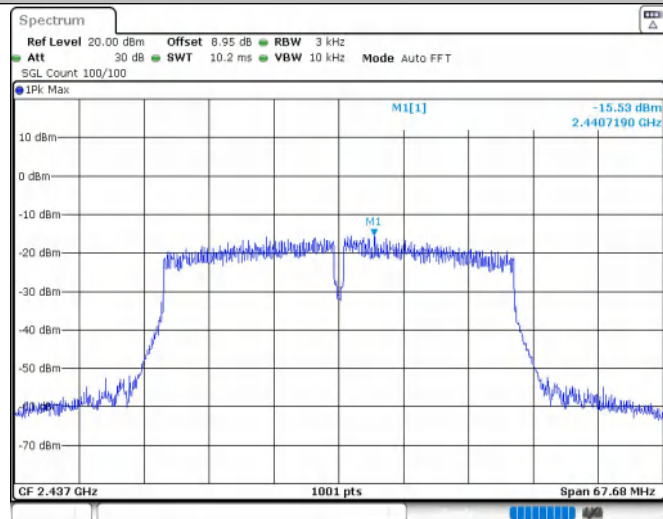
11N40MIMO\_Ant1\_2422



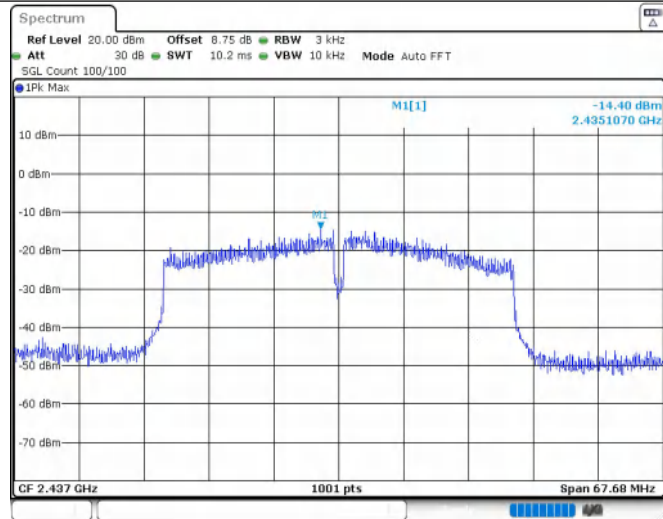
11N40MIMO\_Ant2\_2422



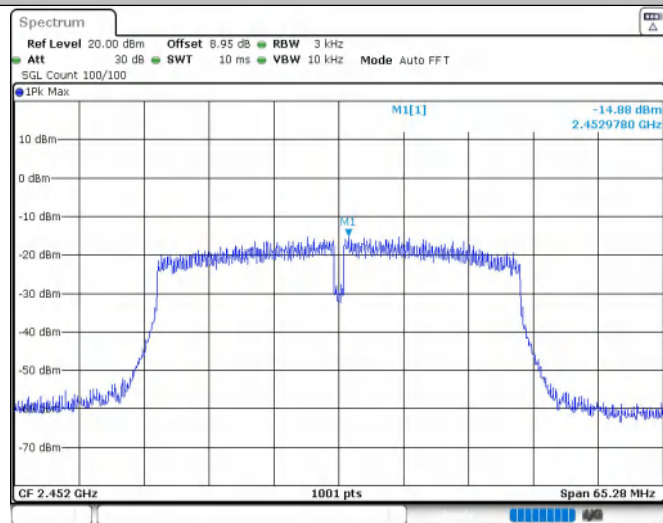
11N40MIMO\_Ant1\_2437



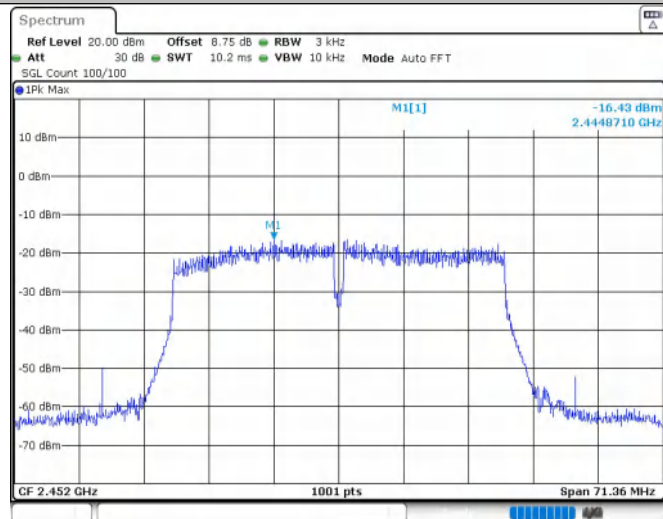
11N40MIMO\_Ant2\_2437



11N40MIMO\_Ant1\_2452



11N40MIMO\_Ant2\_2452



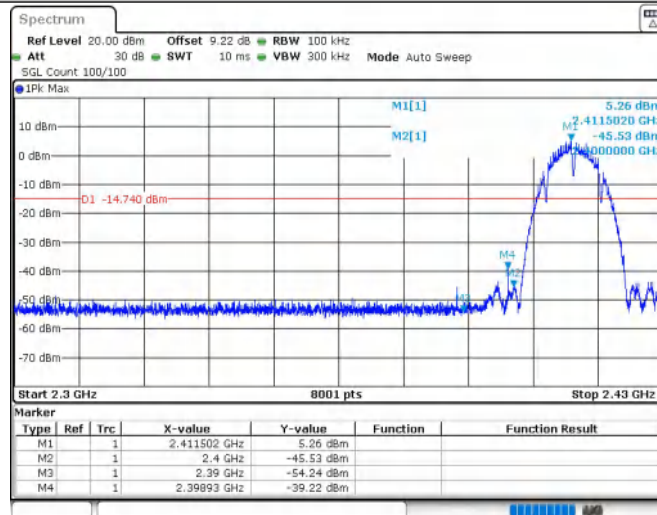
## Appendix E: Band edge measurements

### Test Result

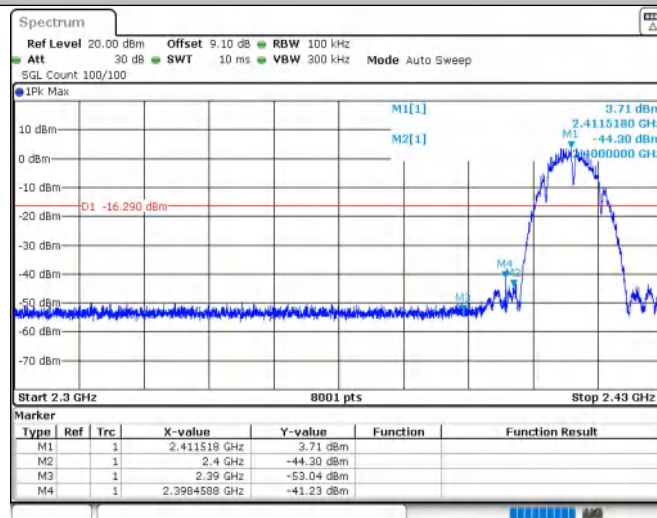
| TestMode  | Antenna | ChName | Channel | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|--------|---------|---------------|-------------|------------|---------|
| 11B       | Ant1    | Low    | 2412    | 5.26          | -39.22      | ≤-14.74    | PASS    |
|           | Ant2    | Low    | 2412    | 3.71          | -41.23      | ≤-16.29    | PASS    |
|           | Ant1    | High   | 2462    | 5.45          | -49.15      | ≤-14.55    | PASS    |
|           | Ant2    | High   | 2462    | 3.21          | -49.36      | ≤-16.79    | PASS    |
| 11G       | Ant1    | Low    | 2412    | 2.95          | -38.46      | ≤-17.05    | PASS    |
|           | Ant2    | Low    | 2412    | 1.72          | -37.59      | ≤-18.28    | PASS    |
|           | Ant1    | High   | 2462    | 2.48          | -46.67      | ≤-17.52    | PASS    |
|           | Ant2    | High   | 2462    | 1.37          | -47.54      | ≤-18.63    | PASS    |
| 11N20MIMO | Ant1    | Low    | 2412    | 1.21          | -41.72      | ≤-18.79    | PASS    |
|           | Ant2    | Low    | 2412    | -0.42         | -37.25      | ≤-20.42    | PASS    |
|           | Ant1    | High   | 2462    | 0.16          | -46.63      | ≤-19.84    | PASS    |
|           | Ant2    | High   | 2462    | -0.20         | -48.91      | ≤-20.2     | PASS    |
| 11N40MIMO | Ant1    | Low    | 2422    | -1.49         | -40.96      | ≤-21.49    | PASS    |
|           | Ant2    | Low    | 2422    | -2.44         | -39.21      | ≤-22.44    | PASS    |
|           | Ant1    | High   | 2452    | -1.63         | -43.07      | ≤-21.63    | PASS    |
|           | Ant2    | High   | 2452    | -2.67         | -43.26      | ≤-22.67    | PASS    |

## Test Graphs

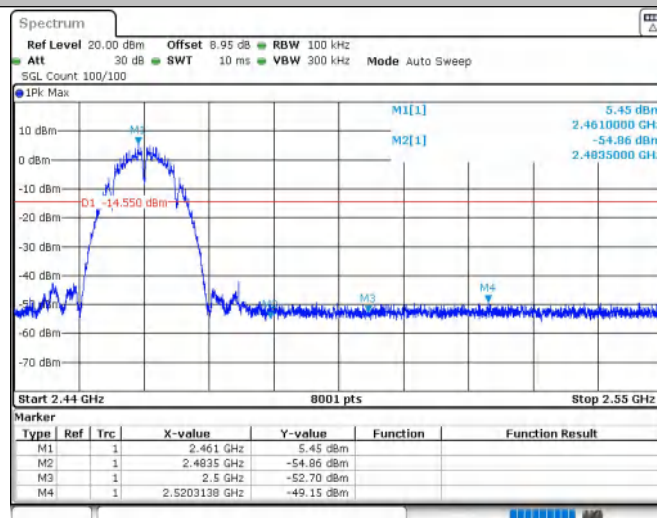
11B\_Ant1\_Low\_2412



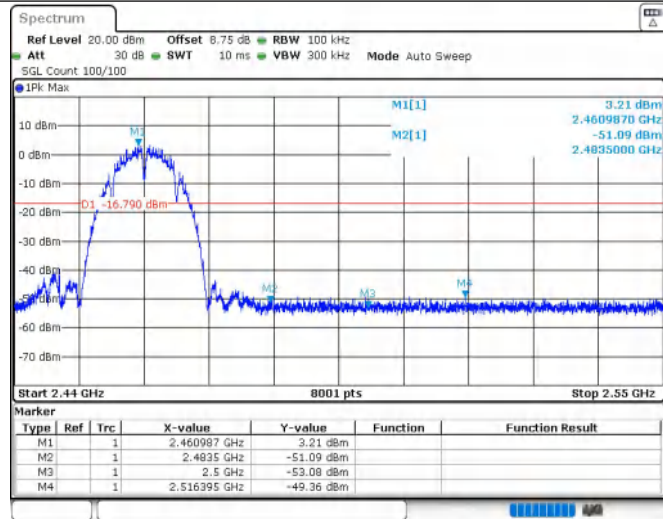
11B\_Ant2\_Low\_2412



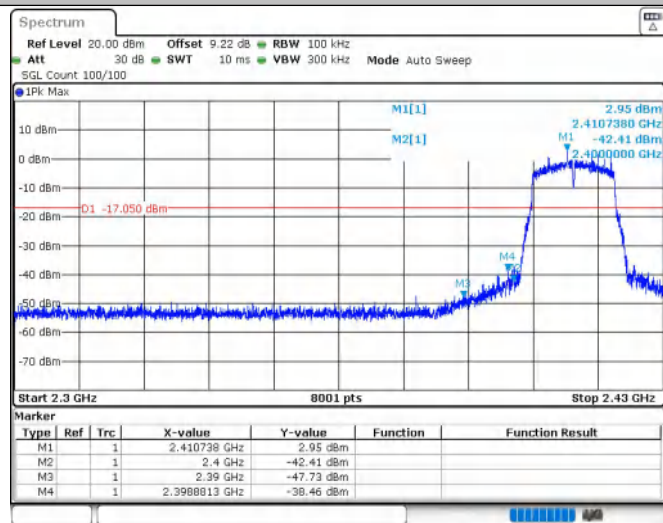
11B\_Ant1\_High\_2462



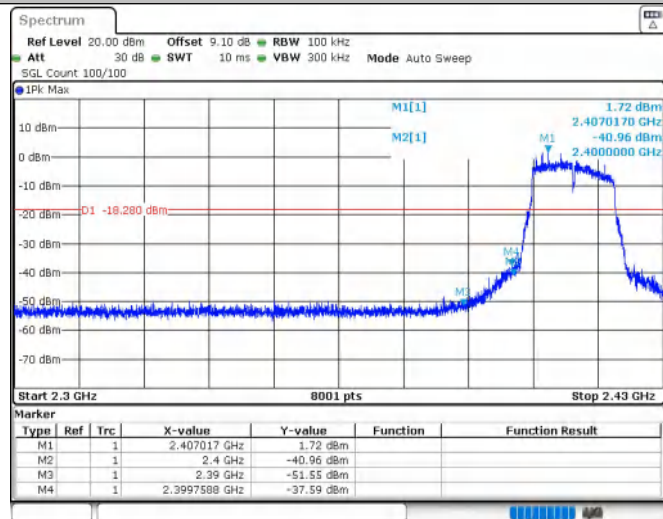
11B\_Ant2\_High\_2462



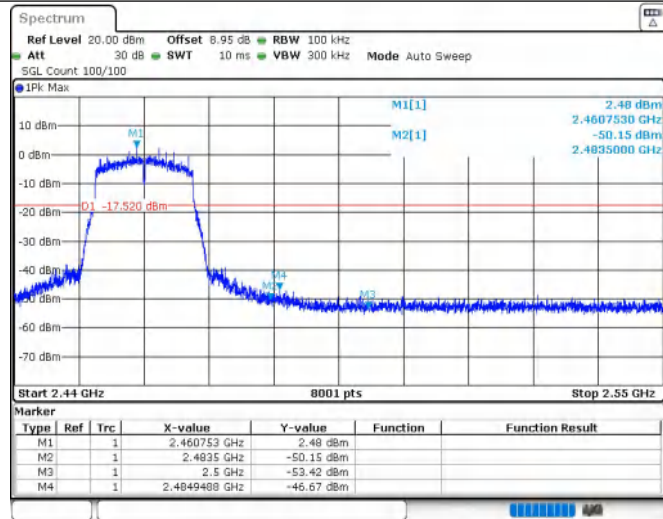
11G\_Ant1\_Low\_2412



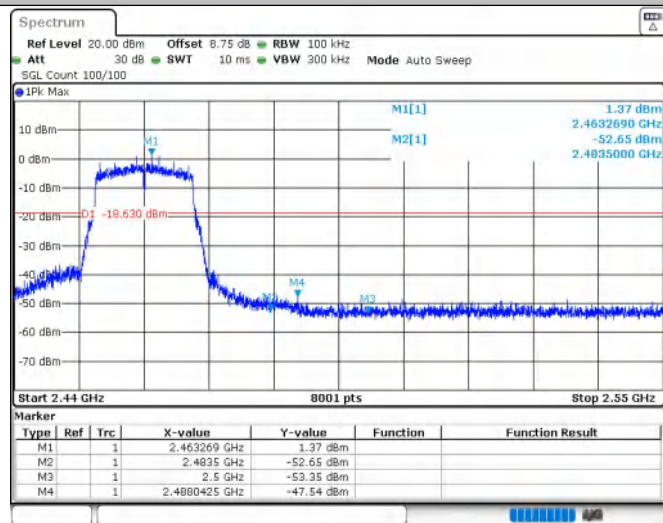
11G\_Ant2\_Low\_2412



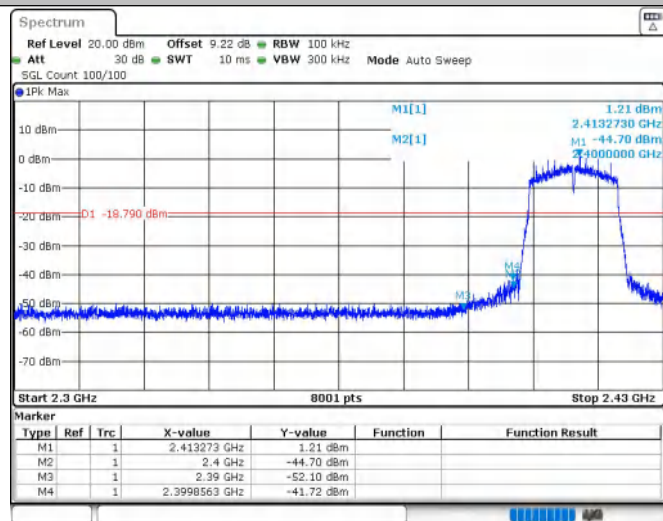
11G\_Ant1\_High\_2462



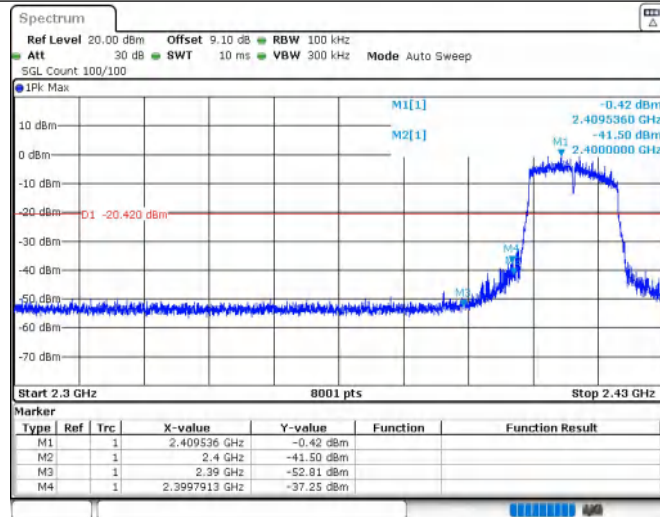
11G\_Ant2\_High\_2462



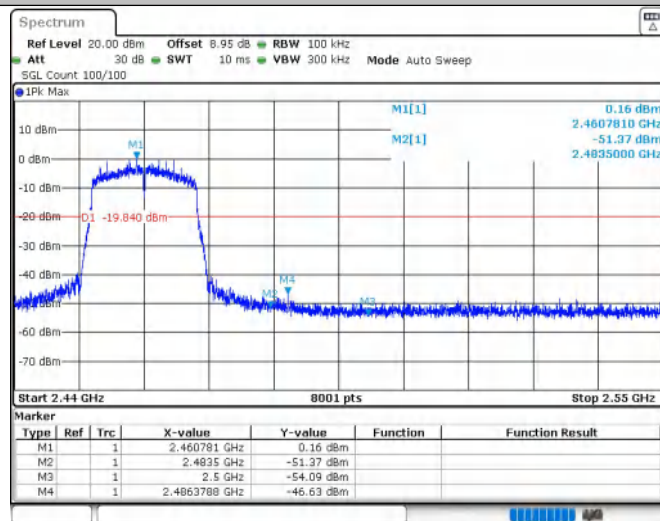
11N20MIMO\_Ant1\_Low\_2412



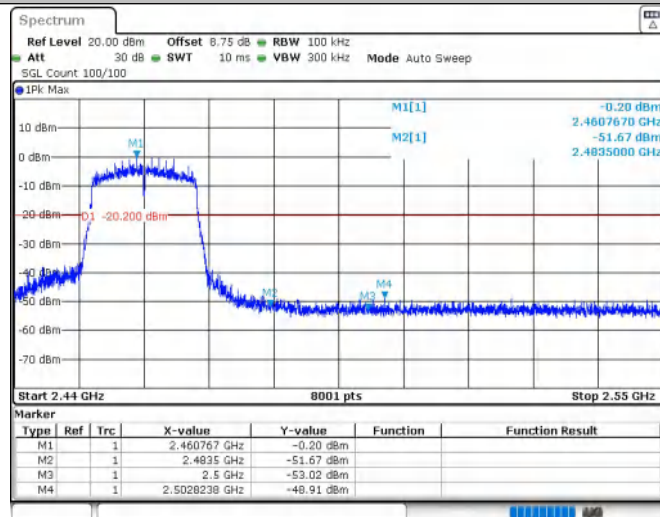
11N20MIMO\_Ant2\_Low\_2412



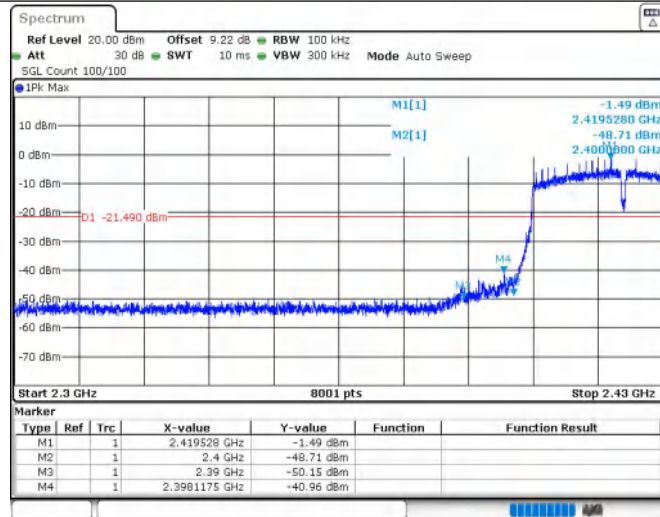
11N20MIMO\_Ant1\_High\_2462



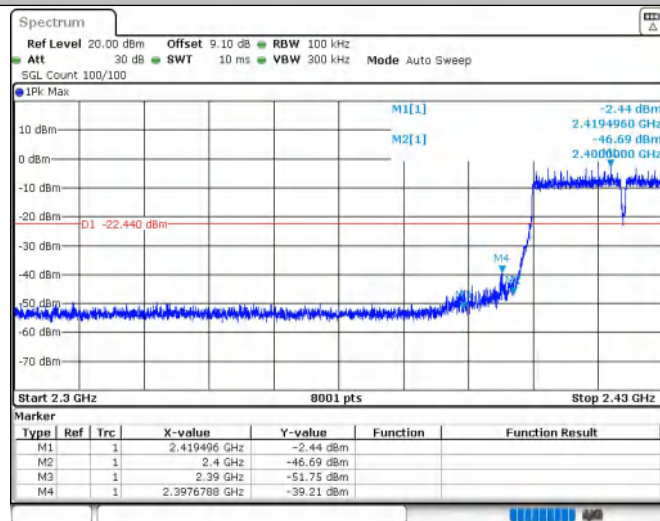
11N20MIMO\_Ant2\_High\_2462



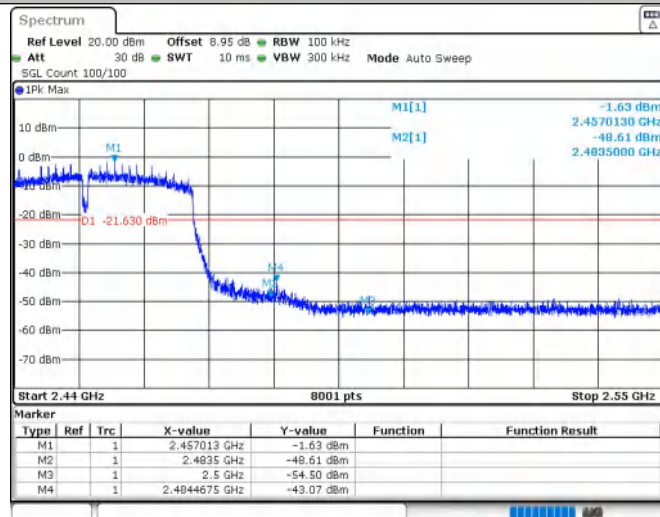
11N40MIMO\_Ant1\_Low\_2422



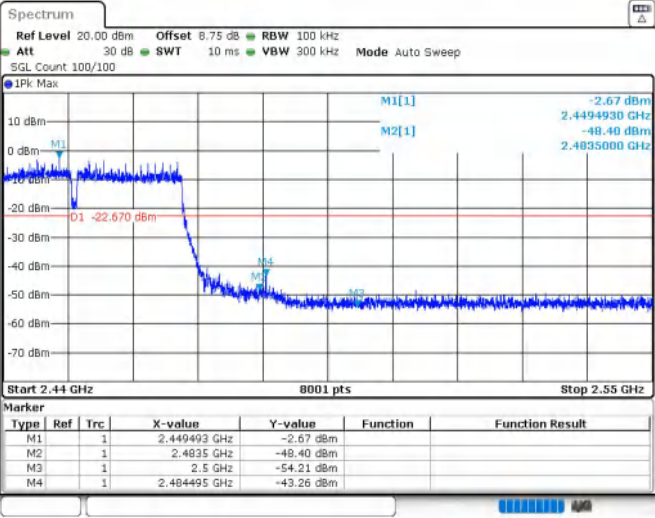
11N40MIMO\_Ant2\_Low\_2422



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          | 3.49              | 3.49            | ---            | PASS    |
|           |         |         | 30~1000            | 3.49              | -60.36          | ≤-16.51        | PASS    |
|           |         |         | 1000~26500         | 3.49              | -48.69          | ≤-16.51        | PASS    |
|           | Ant2    | 2412    | Reference          | 0.49              | 0.49            | ---            | PASS    |
|           |         |         | 30~1000            | 0.49              | -60.51          | ≤-19.51        | PASS    |
|           |         |         | 1000~26500         | 0.49              | -49.8           | ≤-19.51        | PASS    |
|           | Ant1    | 2437    | Reference          | 2.03              | 2.03            | ---            | PASS    |
|           |         |         | 30~1000            | 2.03              | -60.72          | ≤-17.97        | PASS    |
|           |         |         | 1000~26500         | 2.03              | -48.84          | ≤-17.97        | PASS    |
|           | Ant2    | 2437    | Reference          | 1.73              | 1.73            | ---            | PASS    |
|           |         |         | 30~1000            | 1.73              | -60.19          | ≤-18.27        | PASS    |
|           |         |         | 1000~26500         | 1.73              | -49.04          | ≤-18.27        | PASS    |
|           | Ant1    | 2462    | Reference          | 2.55              | 2.55            | ---            | PASS    |
|           |         |         | 30~1000            | 2.55              | -60.34          | ≤-17.45        | PASS    |
|           |         |         | 1000~26500         | 2.55              | -48.59          | ≤-17.45        | PASS    |
|           | Ant2    | 2462    | Reference          | 1.31              | 1.31            | ---            | PASS    |
|           |         |         | 30~1000            | 1.31              | -60.71          | ≤-18.69        | PASS    |
|           |         |         | 1000~26500         | 1.31              | -49.3           | ≤-18.69        | PASS    |
| 11G       | Ant1    | 2412    | Reference          | -0.54             | -0.54           | ---            | PASS    |
|           |         |         | 30~1000            | -0.54             | -60.33          | ≤-20.54        | PASS    |
|           |         |         | 1000~26500         | -0.54             | -48.57          | ≤-20.54        | PASS    |
|           | Ant2    | 2412    | Reference          | -1.46             | -1.46           | ---            | PASS    |
|           |         |         | 30~1000            | -1.46             | -60.37          | ≤-21.46        | PASS    |
|           |         |         | 1000~26500         | -1.46             | -48.91          | ≤-21.46        | PASS    |
|           | Ant1    | 2437    | Reference          | -1.58             | -1.58           | ---            | PASS    |
|           |         |         | 30~1000            | -1.58             | -60.59          | ≤-21.58        | PASS    |
|           |         |         | 1000~26500         | -1.58             | -48.91          | ≤-21.58        | PASS    |
|           | Ant2    | 2437    | Reference          | 1.41              | 1.41            | ---            | PASS    |
|           |         |         | 30~1000            | 1.41              | -60.4           | ≤-18.59        | PASS    |
|           |         |         | 1000~26500         | 1.41              | -49.18          | ≤-18.59        | PASS    |
|           | Ant1    | 2462    | Reference          | 0.43              | 0.43            | ---            | PASS    |
|           |         |         | 30~1000            | 0.43              | -60.6           | ≤-19.57        | PASS    |
|           |         |         | 1000~26500         | 0.43              | -47.89          | ≤-19.57        | PASS    |
|           | Ant2    | 2462    | Reference          | -2.28             | -2.28           | ---            | PASS    |
|           |         |         | 30~1000            | -2.28             | -60.34          | ≤-22.28        | PASS    |
|           |         |         | 1000~26500         | -2.28             | -48.28          | ≤-22.28        | PASS    |
| 11N20MIMO | Ant1    | 2412    | Reference          | -2.13             | -2.13           | ---            | PASS    |
|           |         |         | 30~1000            | -2.13             | -60.11          | ≤-22.13        | PASS    |
|           |         |         | 1000~26500         | -2.13             | -49.09          | ≤-22.13        | PASS    |
|           | Ant2    | 2412    | Reference          | -2.13             | -2.13           | ---            | PASS    |
|           |         |         | 30~1000            | -2.13             | -59.57          | ≤-22.13        | PASS    |

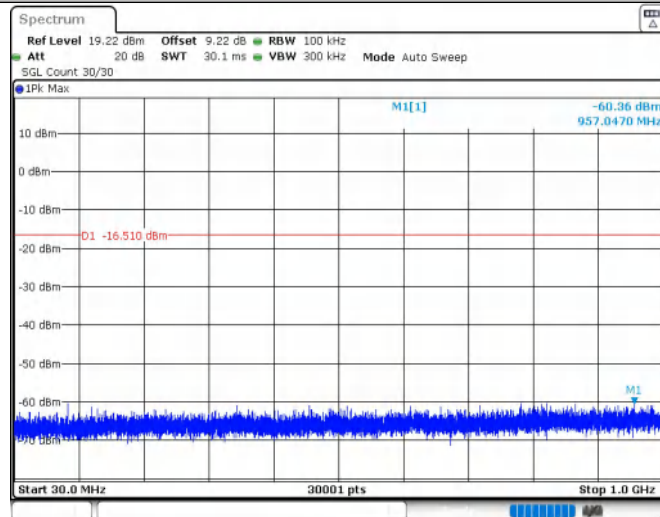
|           |      |      |            |       |        |               |      |
|-----------|------|------|------------|-------|--------|---------------|------|
|           | Ant1 | 2437 | 1000~26500 | -2.13 | -47.88 | $\leq -22.13$ | PASS |
|           |      |      | Reference  | -2.87 | -2.87  | ---           | PASS |
|           |      |      | 30~1000    | -2.87 | -60.27 | $\leq -22.87$ | PASS |
|           |      |      | 1000~26500 | -2.87 | -48.59 | $\leq -22.87$ | PASS |
|           | Ant2 | 2437 | Reference  | -2.73 | -2.73  | ---           | PASS |
|           |      |      | 30~1000    | -2.73 | -60.46 | $\leq -22.73$ | PASS |
|           |      |      | 1000~26500 | -2.73 | -48.93 | $\leq -22.73$ | PASS |
|           | Ant1 | 2462 | Reference  | -2.16 | -2.16  | ---           | PASS |
|           |      |      | 30~1000    | -2.16 | -59.82 | $\leq -22.16$ | PASS |
|           |      |      | 1000~26500 | -2.16 | -49.37 | $\leq -22.16$ | PASS |
|           | Ant2 | 2462 | Reference  | -2.99 | -2.99  | ---           | PASS |
|           |      |      | 30~1000    | -2.99 | -60.71 | $\leq -22.99$ | PASS |
|           |      |      | 1000~26500 | -2.99 | -48.85 | $\leq -22.99$ | PASS |
| 11N40MIMO | Ant1 | 2422 | Reference  | -3.31 | -3.31  | ---           | PASS |
|           |      |      | 30~1000    | -3.31 | -60.03 | $\leq -23.31$ | PASS |
|           |      |      | 1000~26500 | -3.31 | -48.52 | $\leq -23.31$ | PASS |
|           | Ant2 | 2422 | Reference  | -5.68 | -5.68  | ---           | PASS |
|           |      |      | 30~1000    | -5.68 | -60.66 | $\leq -25.68$ | PASS |
|           |      |      | 1000~26500 | -5.68 | -48.67 | $\leq -25.68$ | PASS |
|           | Ant1 | 2437 | Reference  | -5.32 | -5.32  | ---           | PASS |
|           |      |      | 30~1000    | -5.32 | -60.04 | $\leq -25.32$ | PASS |
|           |      |      | 1000~26500 | -5.32 | -48.06 | $\leq -25.32$ | PASS |
|           | Ant2 | 2437 | Reference  | -5.07 | -5.07  | ---           | PASS |
|           |      |      | 30~1000    | -5.07 | -60.36 | $\leq -25.07$ | PASS |
|           |      |      | 1000~26500 | -5.07 | -48.54 | $\leq -25.07$ | PASS |
|           | Ant1 | 2452 | Reference  | -3.42 | -3.42  | ---           | PASS |
|           |      |      | 30~1000    | -3.42 | -60.38 | $\leq -23.42$ | PASS |
|           |      |      | 1000~26500 | -3.42 | -48.89 | $\leq -23.42$ | PASS |
|           | Ant2 | 2452 | Reference  | -4.70 | -4.70  | ---           | PASS |
|           |      |      | 30~1000    | -4.70 | -60.69 | $\leq -24.7$  | PASS |
|           |      |      | 1000~26500 | -4.70 | -49.27 | $\leq -24.7$  | PASS |

## Test Graphs

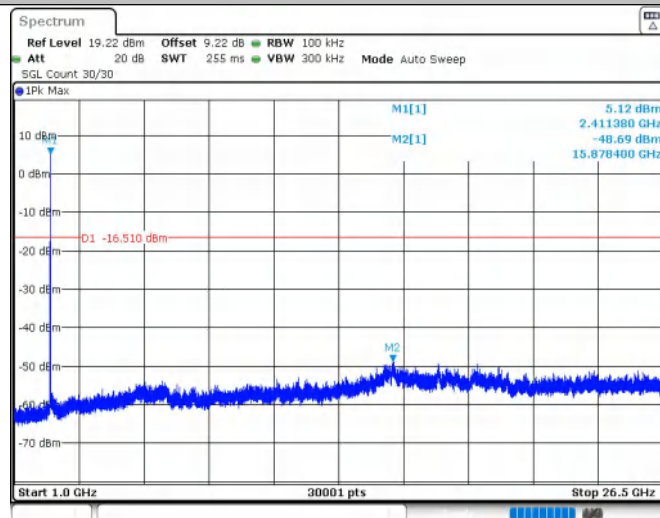
11B\_Ant1\_2412\_0~Reference



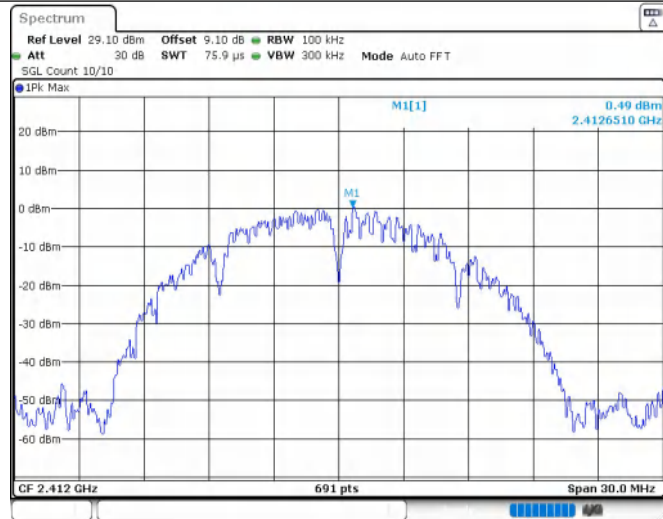
11B\_Ant1\_2412\_30~1000



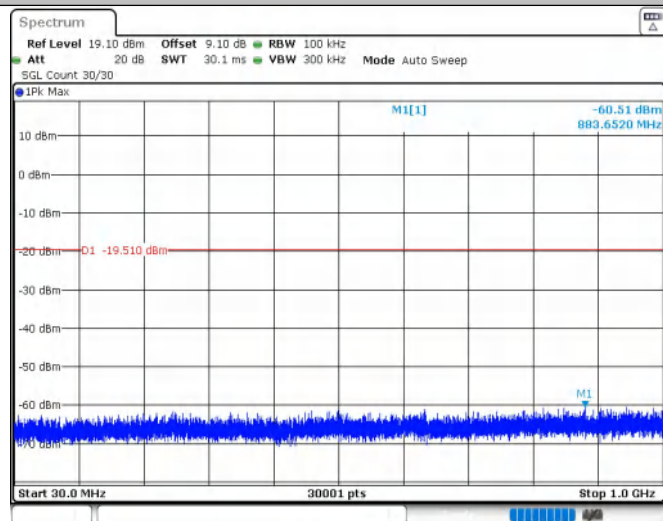
11B\_Ant1\_2412\_1000~26500



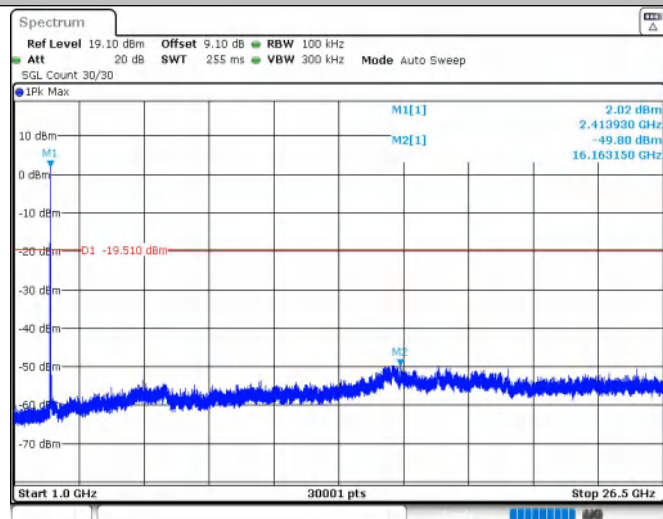
11B\_Ant2\_2412\_0~Reference



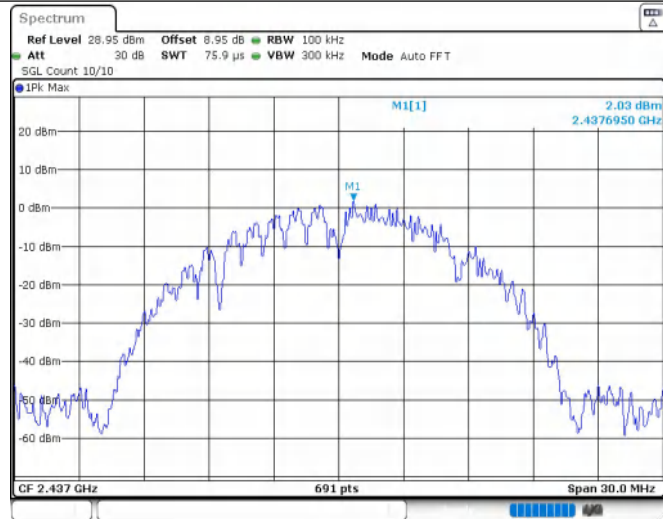
11B\_Ant2\_2412\_30~1000



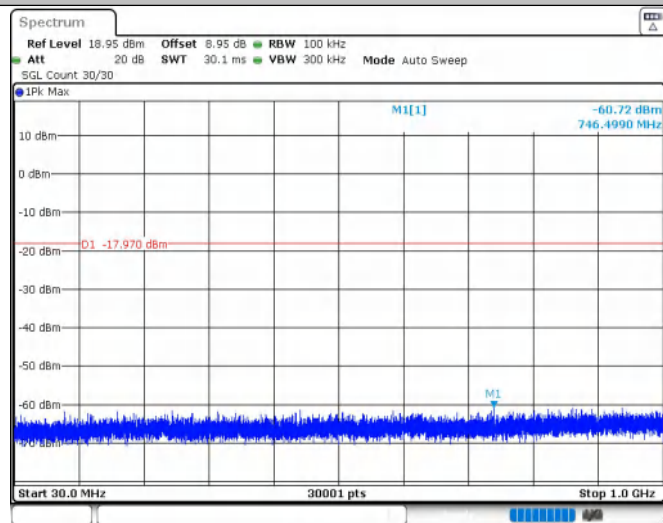
11B\_Ant2\_2412\_1000~26500



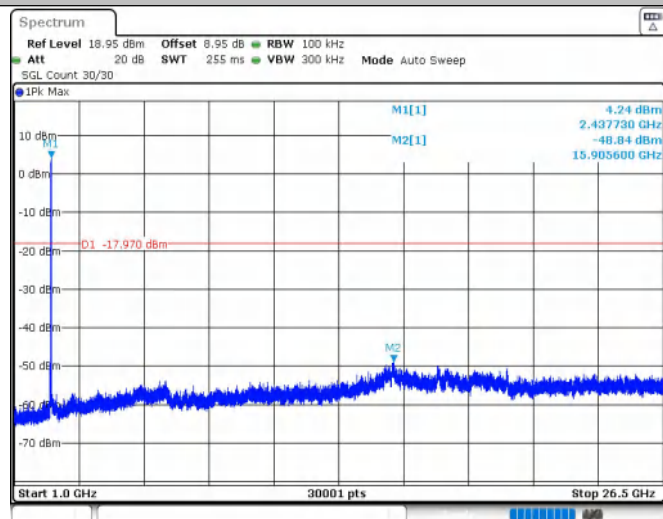
11B\_Ant1\_2437\_0~Reference



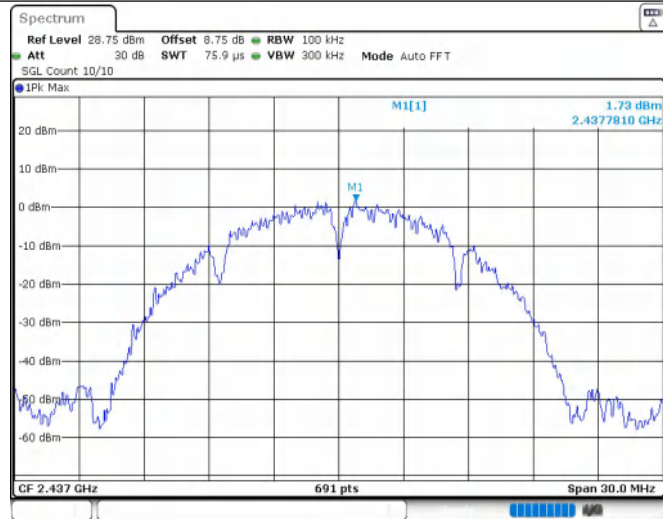
11B\_Ant1\_2437\_30~1000



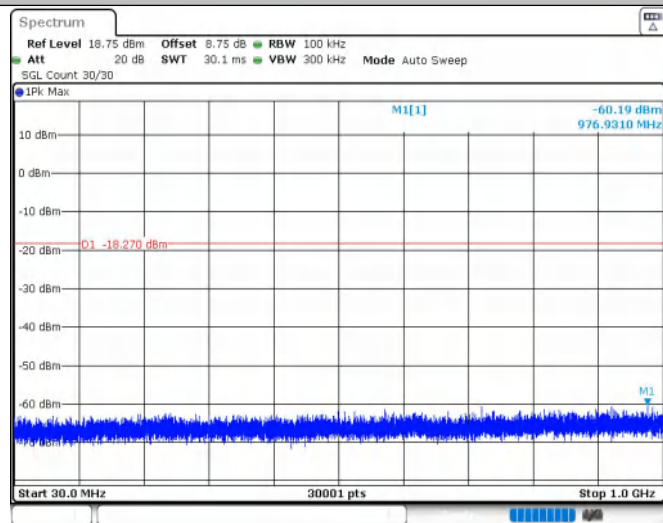
11B\_Ant1\_2437\_1000~26500



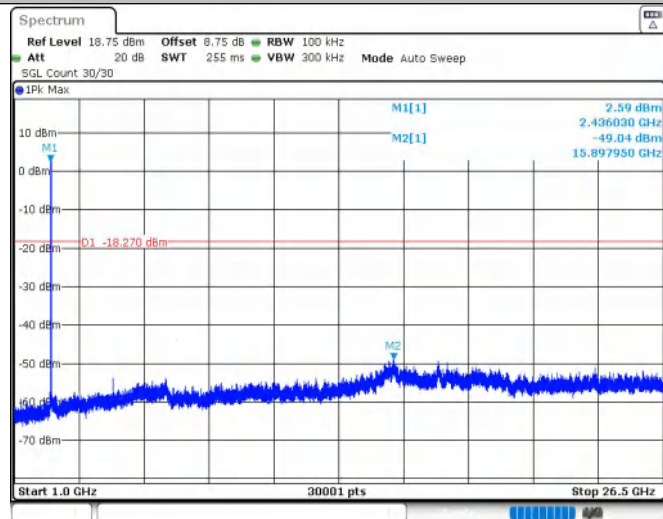
11B\_Ant2\_2437\_0~Reference



11B\_Ant2\_2437\_30~1000



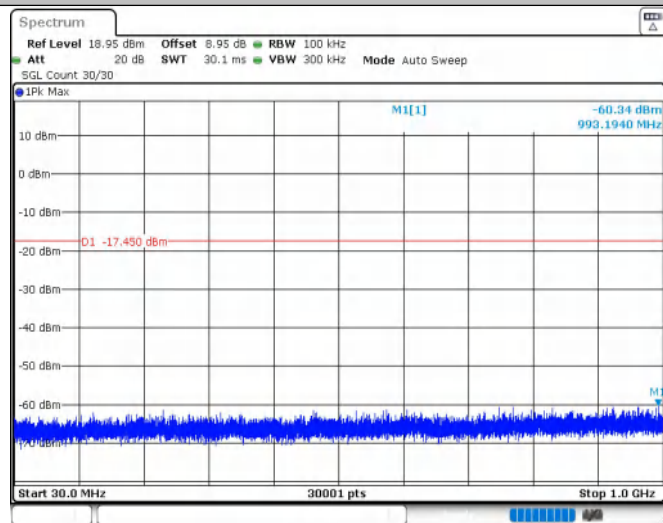
11B\_Ant2\_2437\_1000~26500



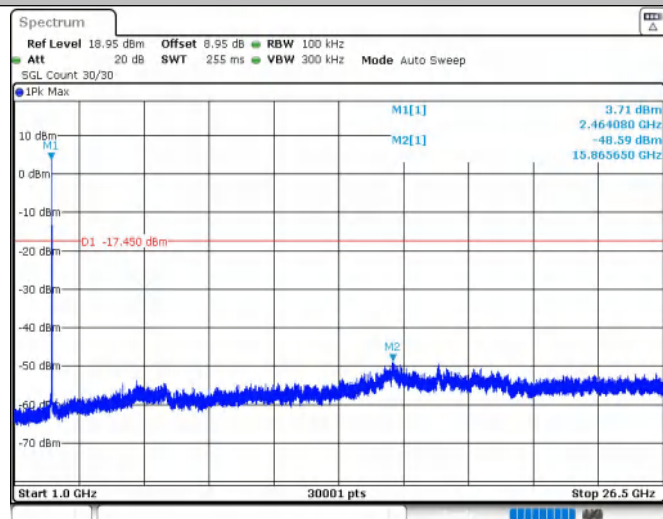
11B\_Ant1\_2462\_0~Reference



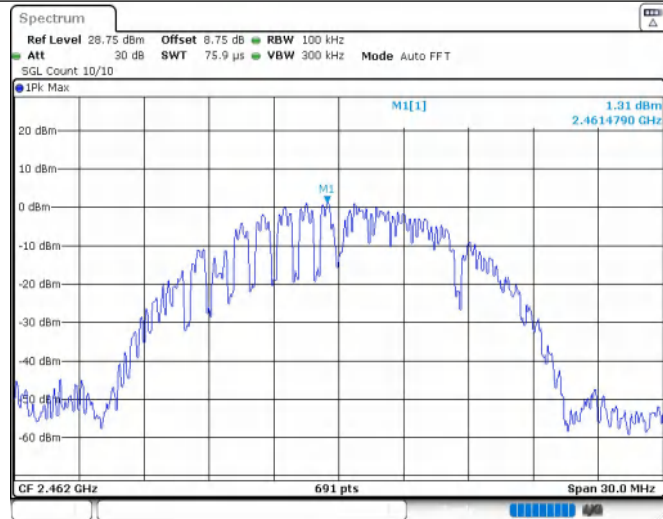
11B\_Ant1\_2462\_30~1000



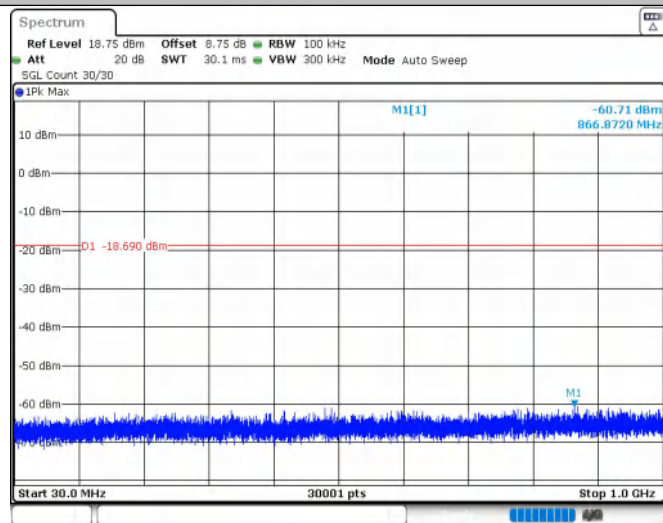
11B\_Ant1\_2462\_1000~26500



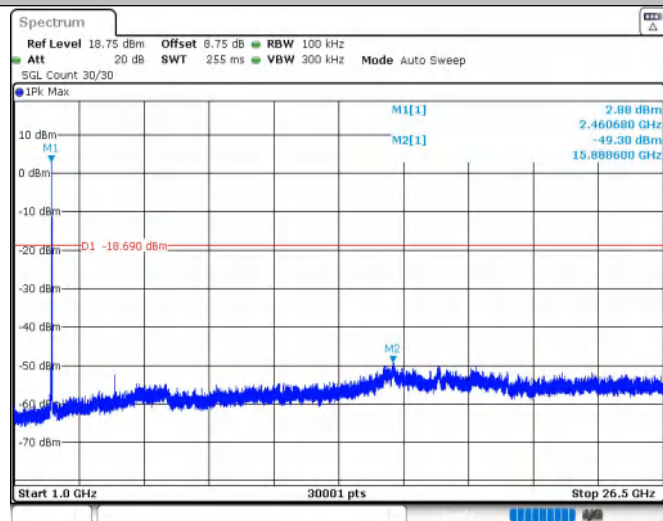
11B\_Ant2\_2462\_0~Reference



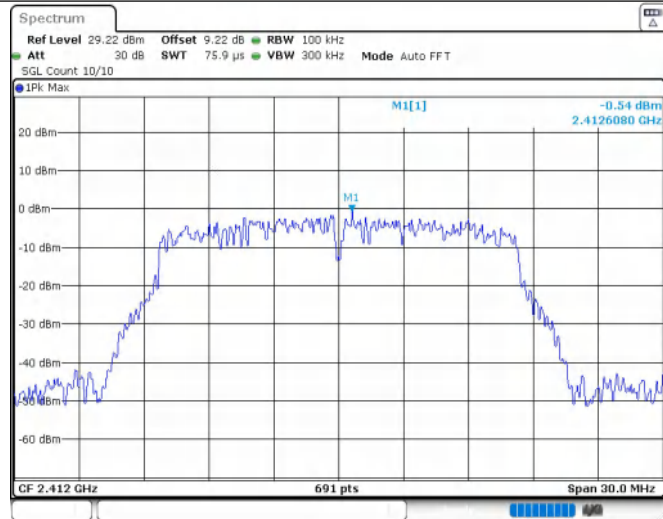
11B\_Ant2\_2462\_30~1000



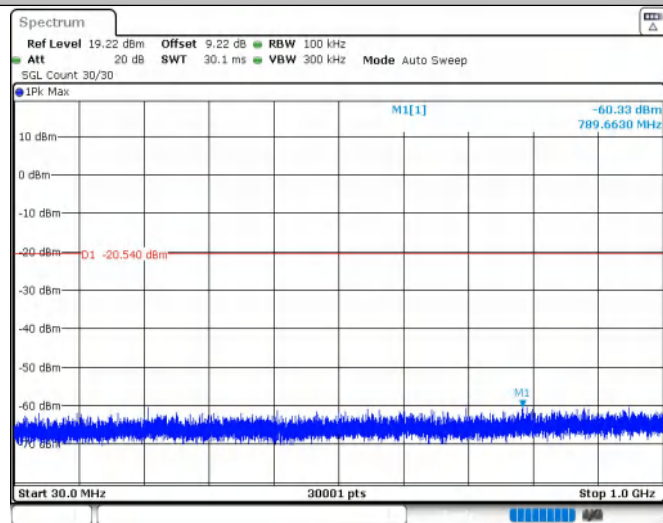
11B\_Ant2\_2462\_1000~26500



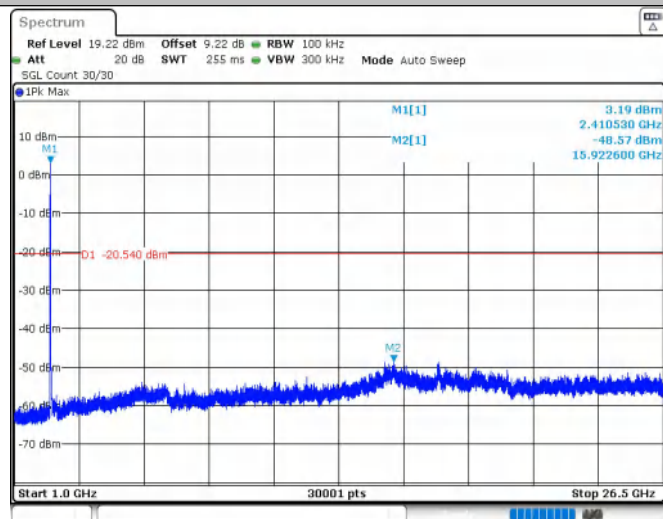
11G\_Ant1\_2412\_0~Reference



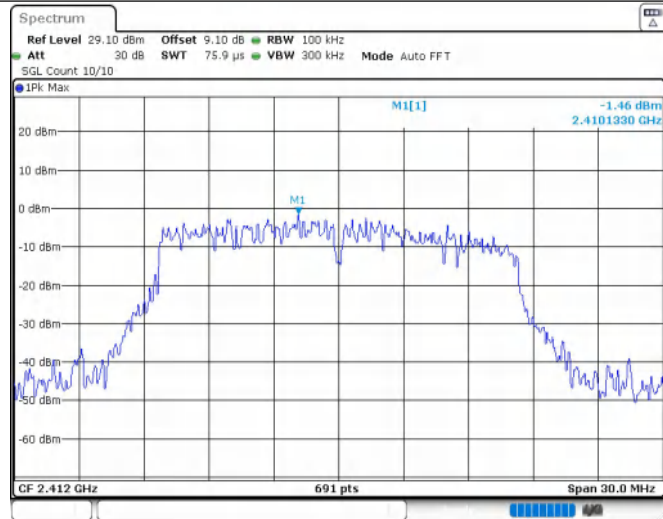
11G\_Ant1\_2412\_30~1000



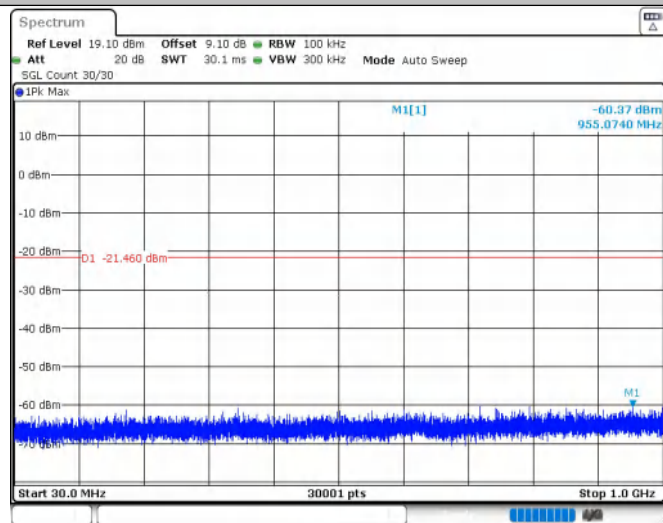
11G\_Ant1\_2412\_1000~26500



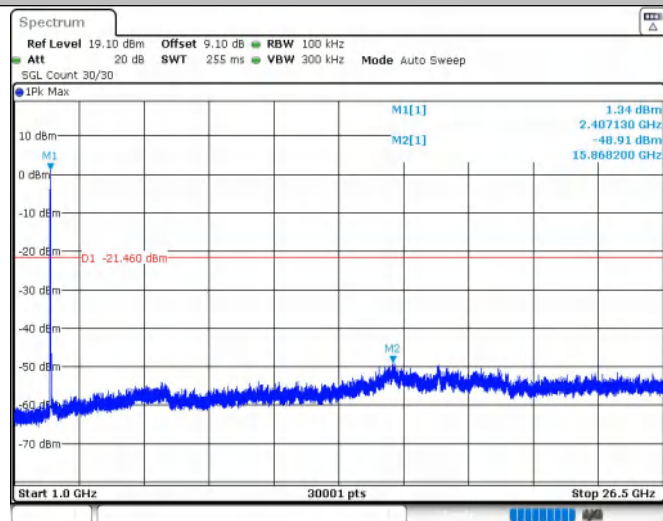
11G\_Ant2\_2412\_0~Reference



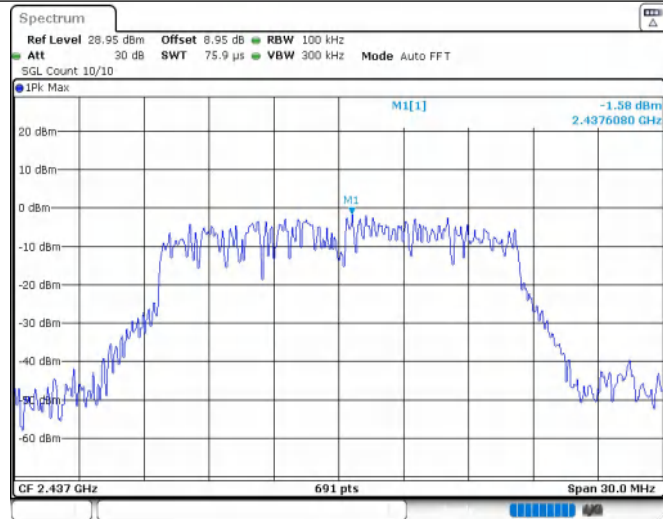
11G\_Ant2\_2412\_30~1000



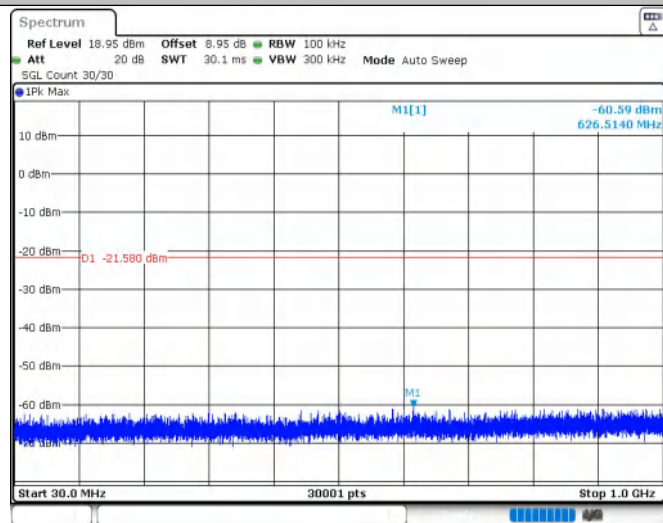
11G\_Ant2\_2412\_1000~26500



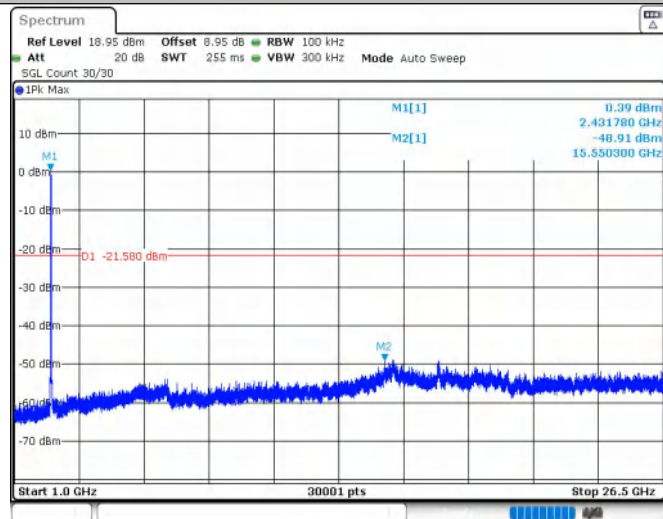
11G\_Ant1\_2437\_0~Reference



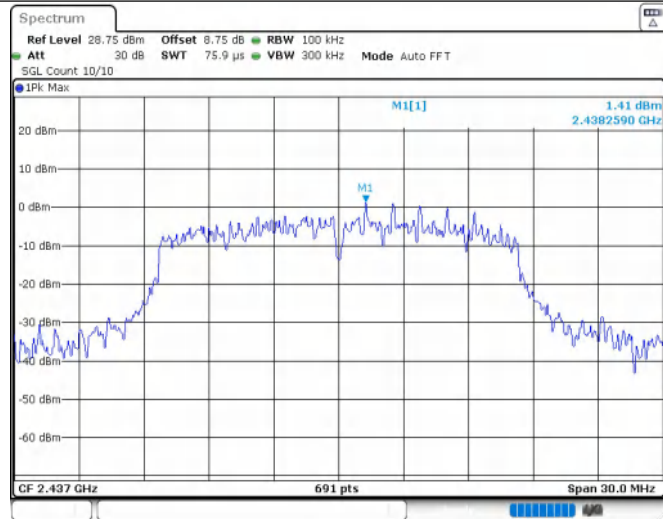
11G\_Ant1\_2437\_30~1000



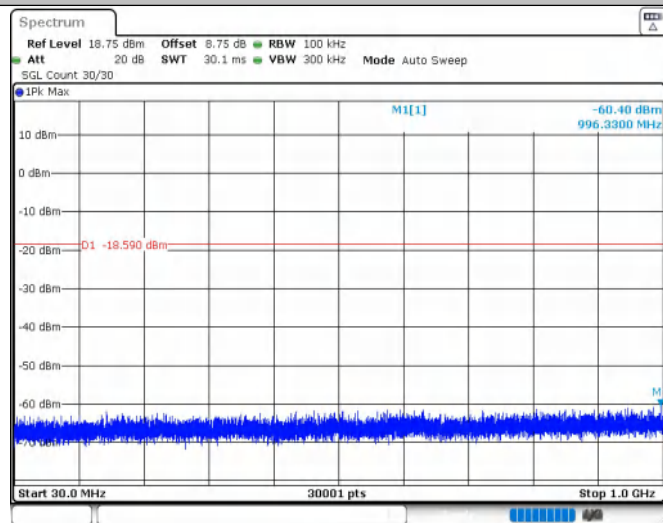
11G\_Ant1\_2437\_1000~26500



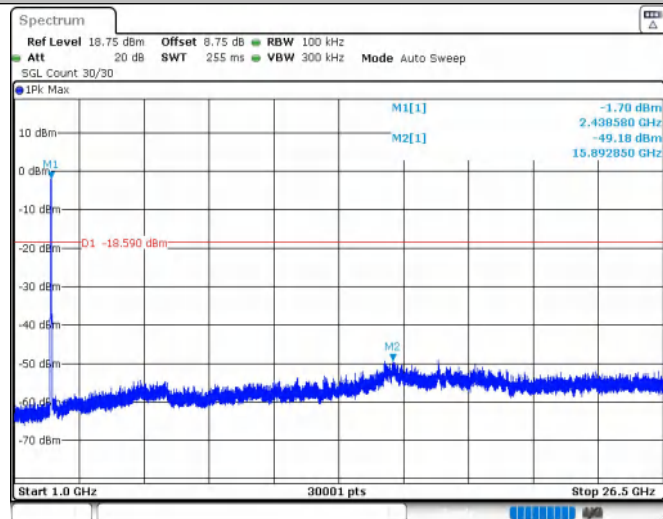
11G\_Ant2\_2437\_0~Reference



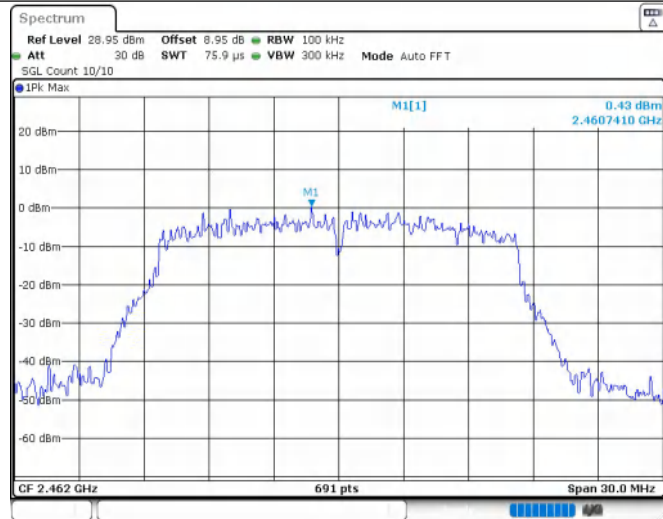
11G\_Ant2\_2437\_30~1000



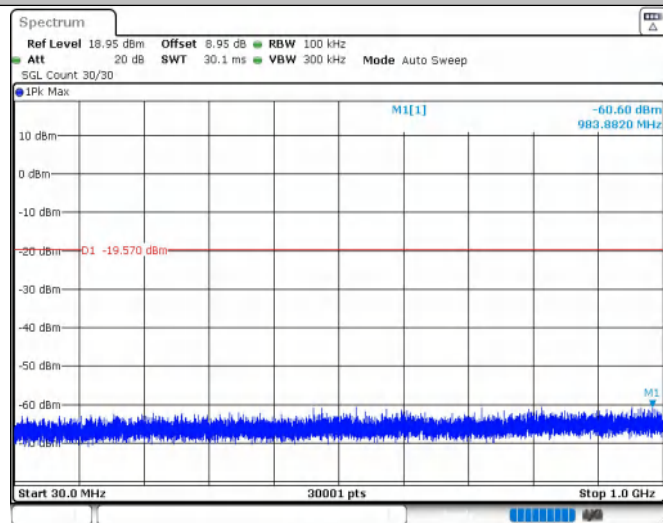
11G\_Ant2\_2437\_1000~26500



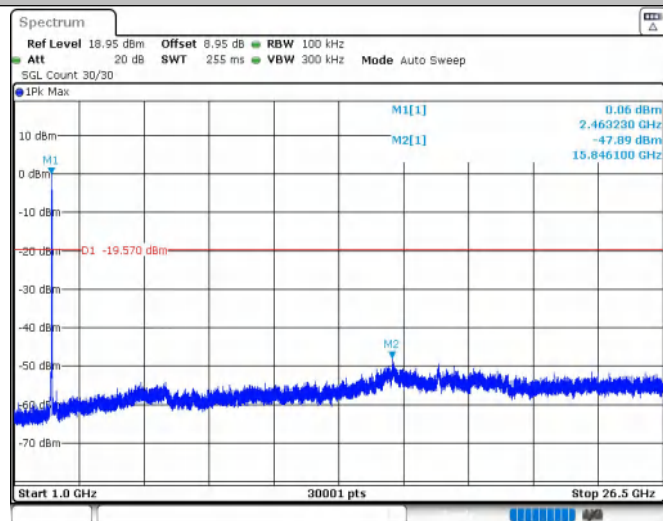
11G\_Ant1\_2462\_0~Reference



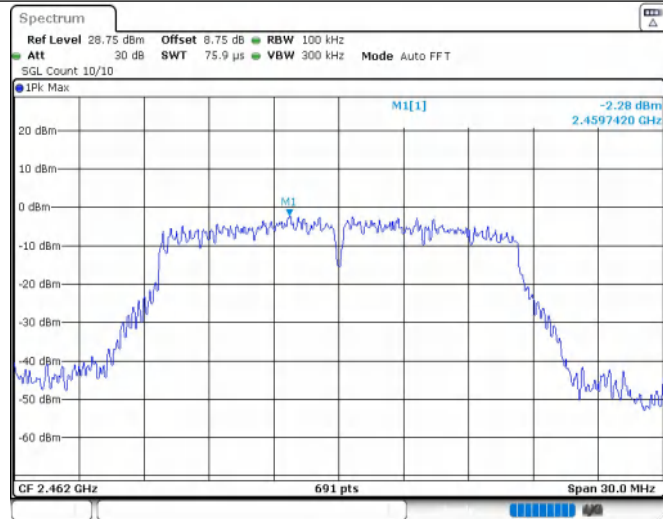
11G\_Ant1\_2462\_30~1000



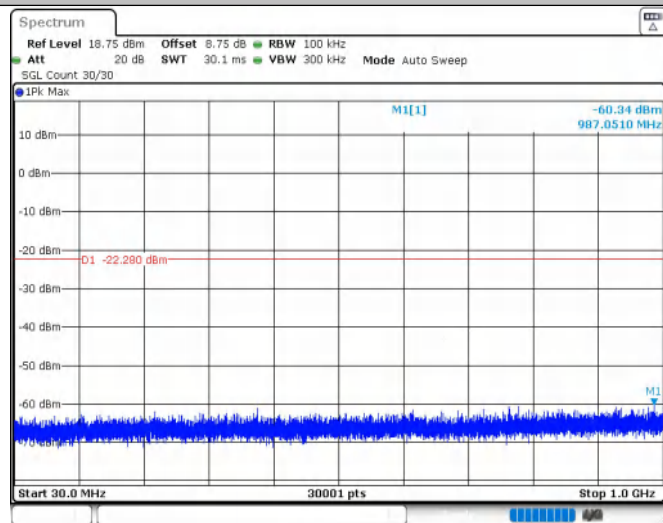
11G\_Ant1\_2462\_1000~26500



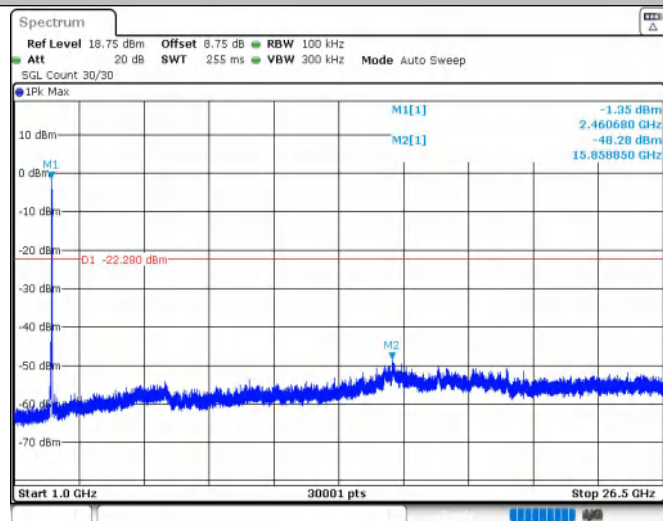
11G\_Ant2\_2462\_0~Reference



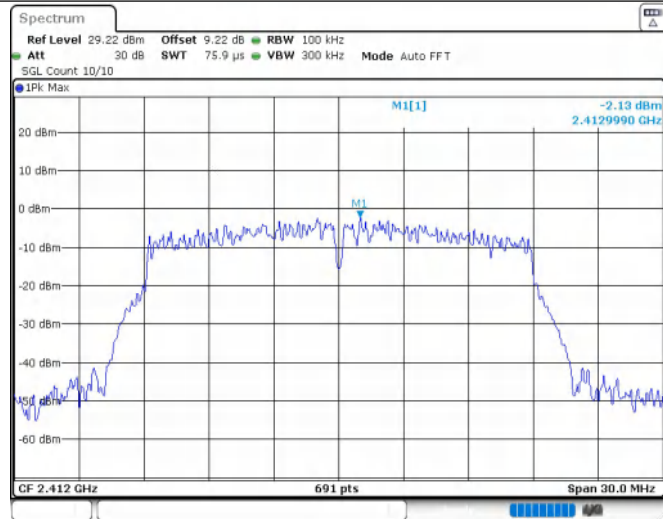
11G\_Ant2\_2462\_30~1000



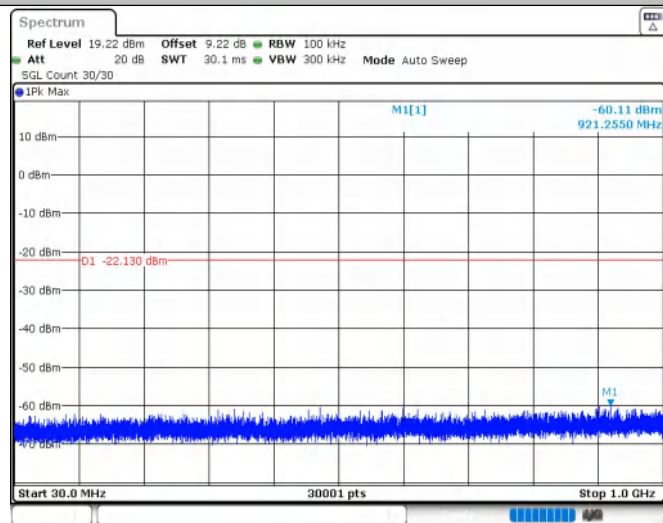
11G\_Ant2\_2462\_1000~26500



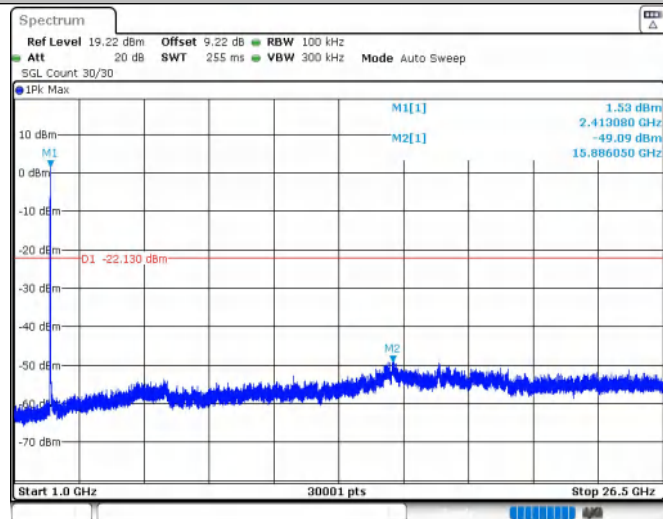
11N20MIMO\_Ant1\_2412\_0~Reference



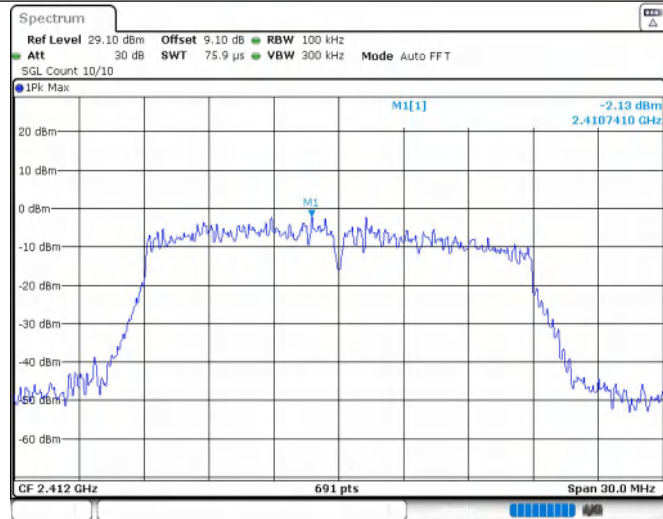
11N20MIMO\_Ant1\_2412\_30~1000



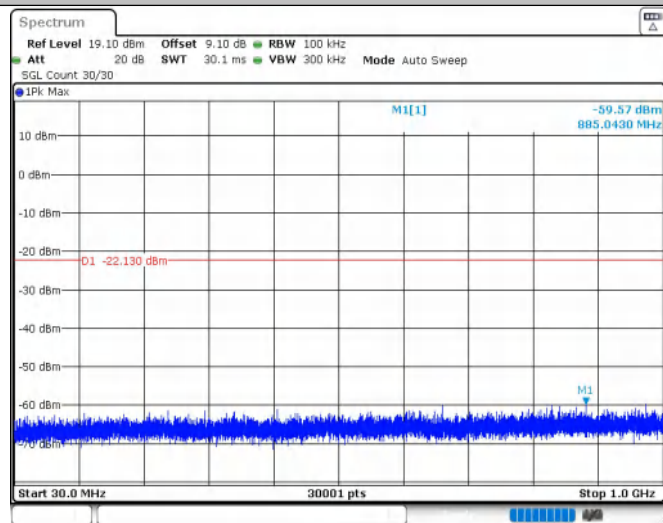
11N20MIMO\_Ant1\_2412\_1000~26500



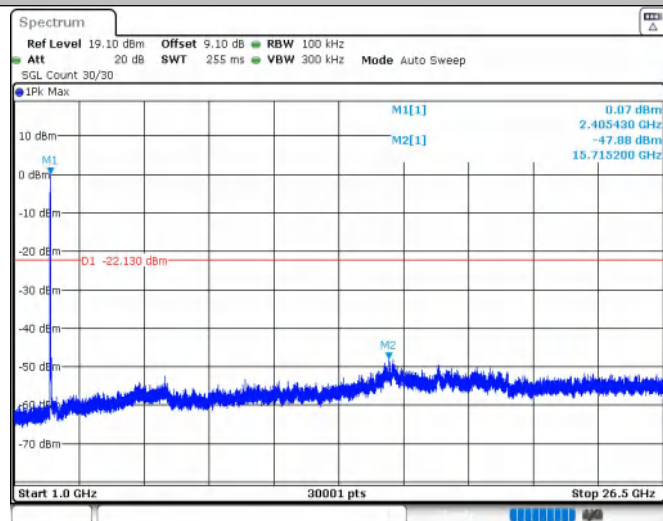
11N20MIMO\_Ant2\_2412\_0~Reference



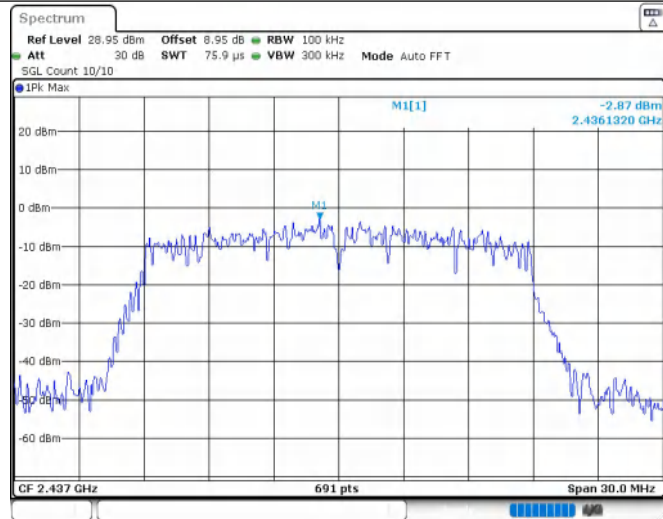
11N20MIMO\_Ant2\_2412\_30~1000



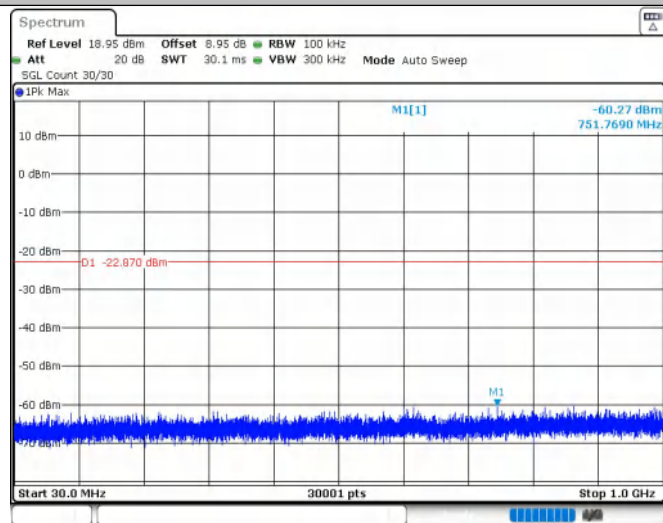
11N20MIMO\_Ant2\_2412\_1000~26500



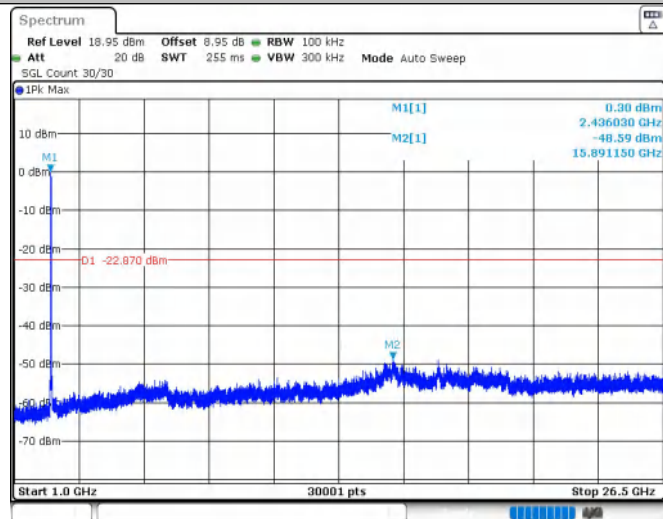
11N20MIMO\_Ant1\_2437\_0~Reference



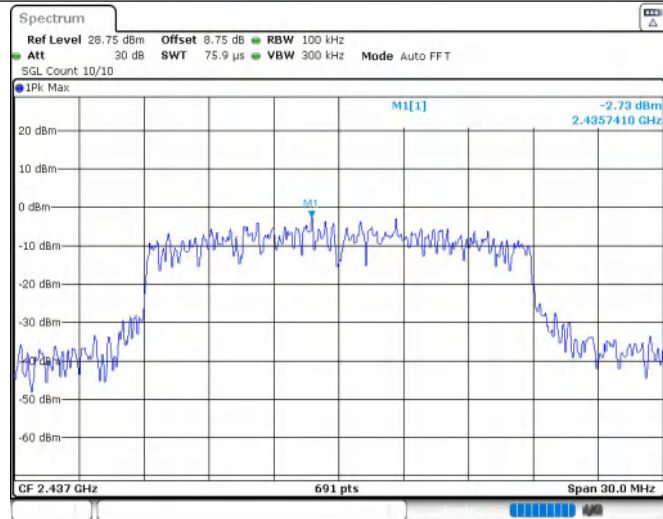
11N20MIMO\_Ant1\_2437\_30~1000



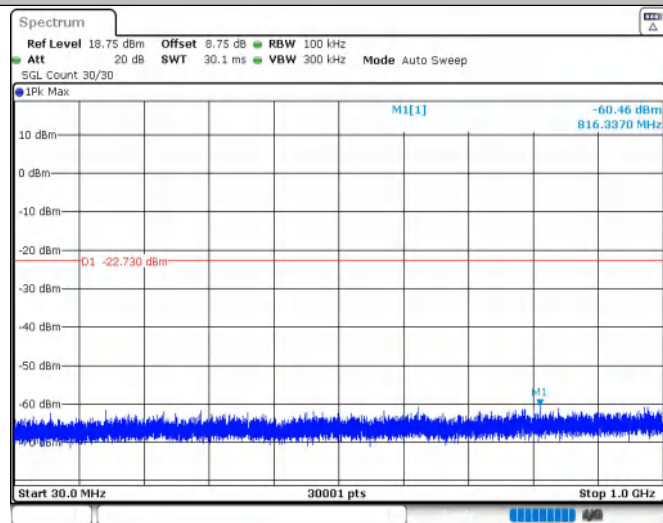
11N20MIMO\_Ant1\_2437\_1000~26500



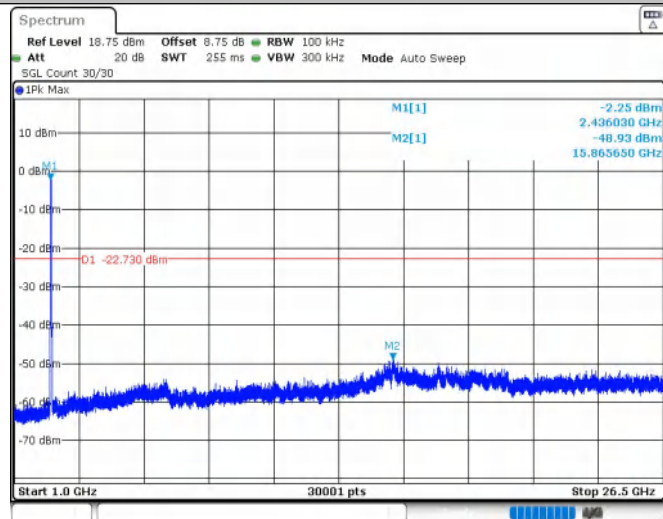
11N20MIMO\_Ant2\_2437\_0~Reference



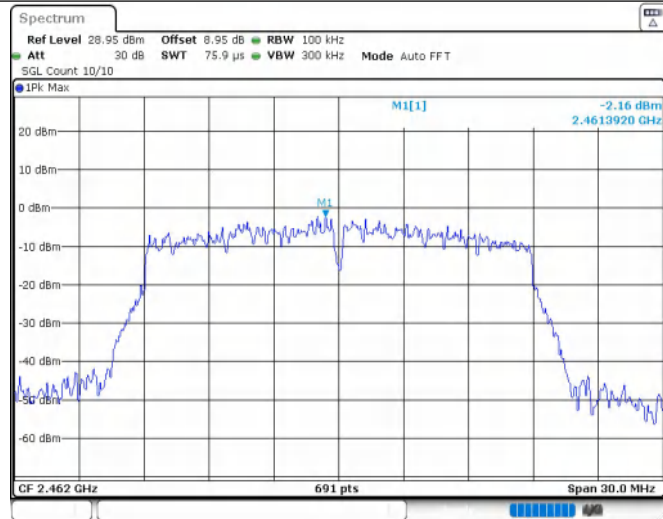
11N20MIMO\_Ant2\_2437\_30~1000



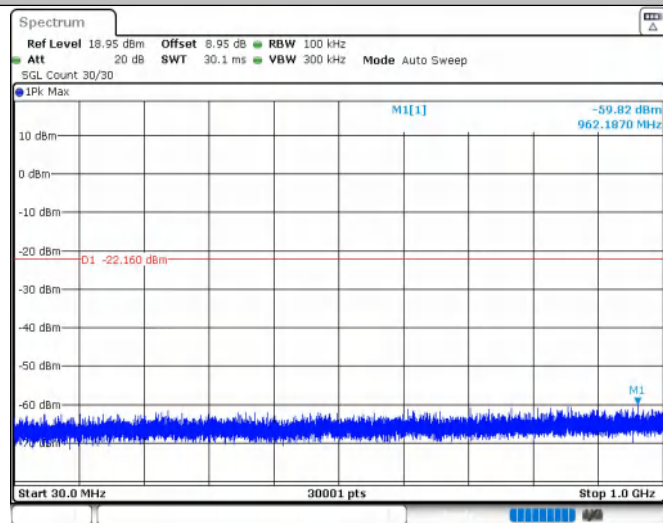
11N20MIMO\_Ant2\_2437\_1000~26500



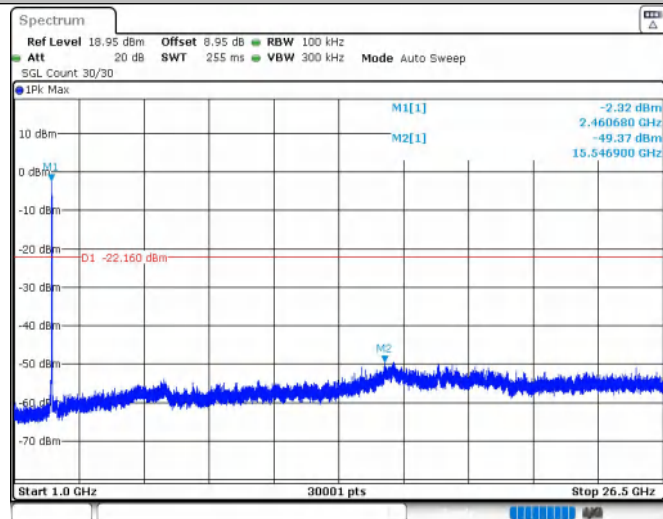
11N20MIMO\_Ant1\_2462\_0~Reference



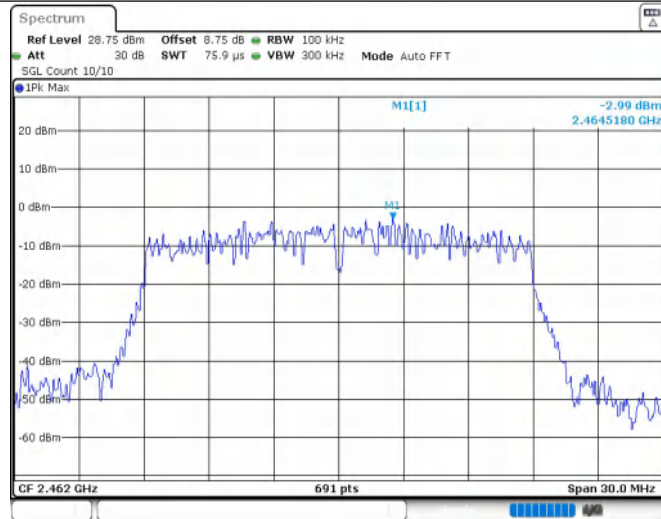
11N20MIMO\_Ant1\_2462\_30~1000



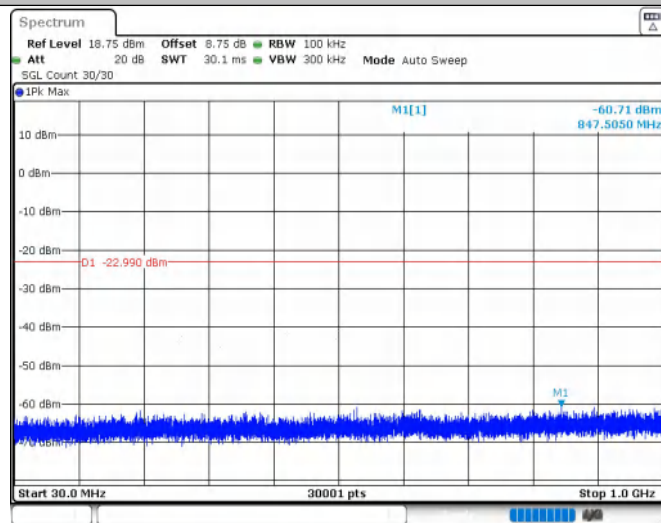
11N20MIMO\_Ant1\_2462\_1000~26500



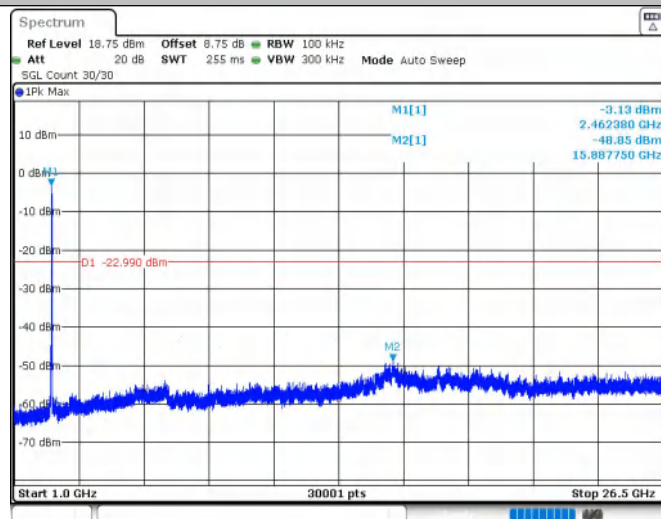
11N20MIMO\_Ant2\_2462\_0~Reference



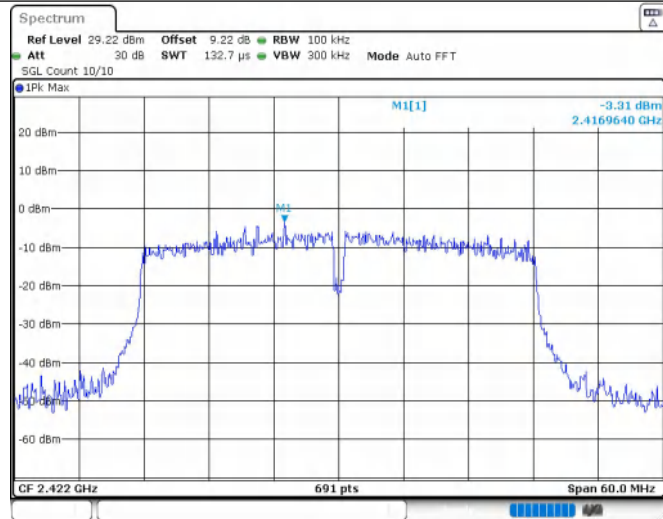
11N20MIMO\_Ant2\_2462\_30~1000



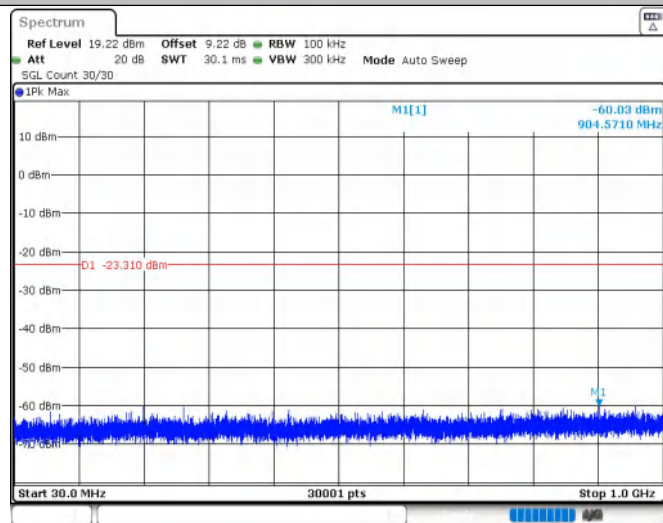
11N20MIMO\_Ant2\_2462\_1000~26500



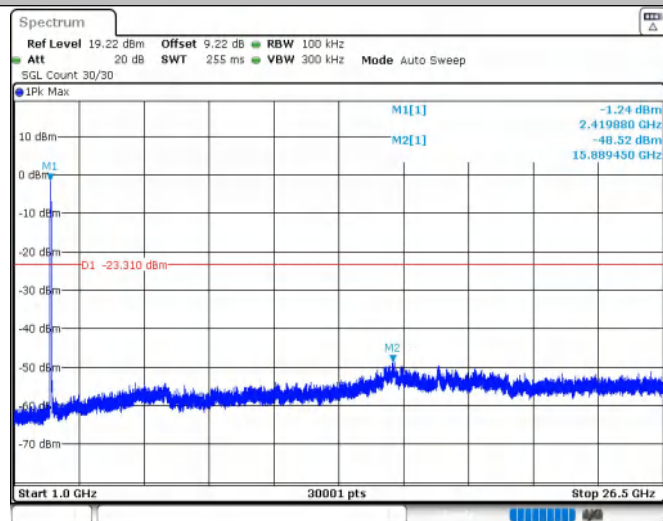
11N40MIMO\_Ant1\_2422\_0~Reference



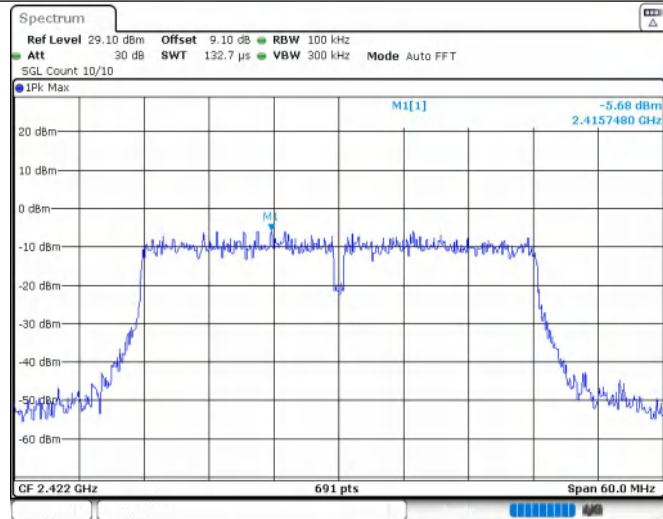
11N40MIMO\_Ant1\_2422\_30~1000



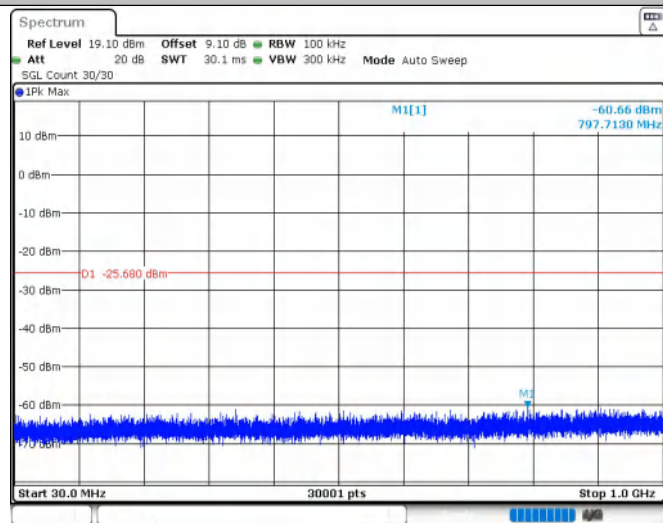
11N40MIMO\_Ant1\_2422\_1000~26500



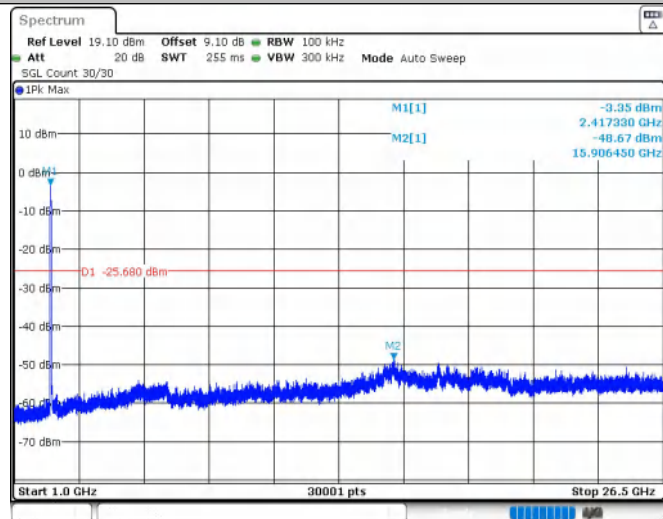
11N40MIMO\_Ant2\_2422\_0~Reference



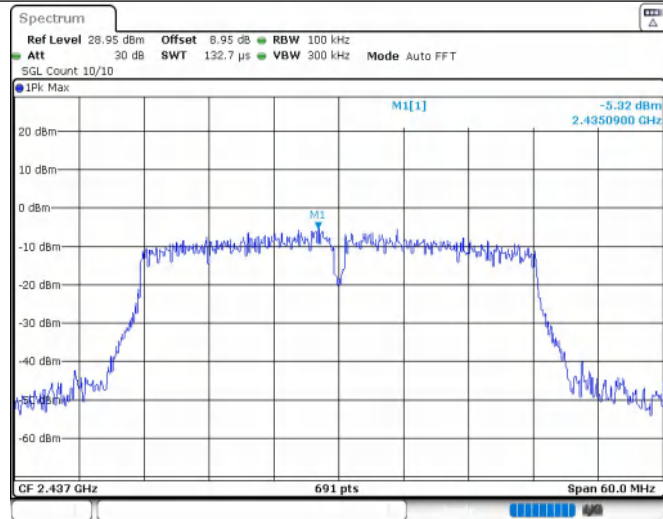
11N40MIMO\_Ant2\_2422\_30~1000



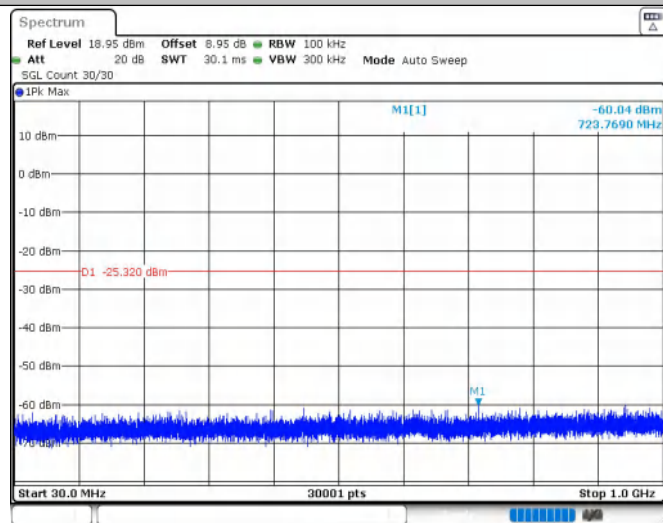
11N40MIMO\_Ant2\_2422\_1000~26500



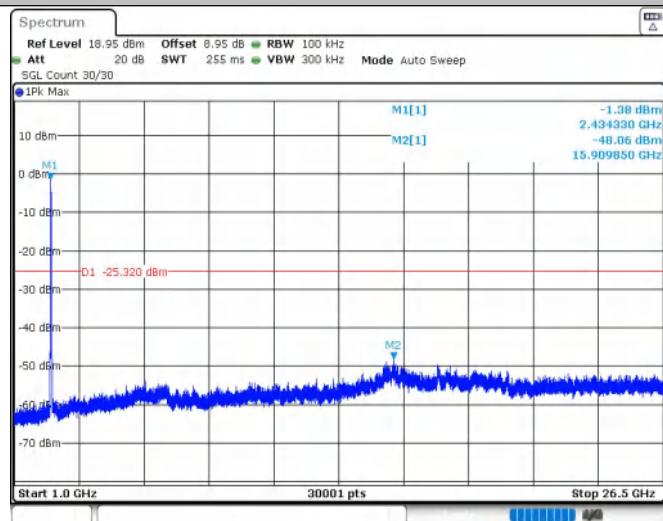
11N40MIMO\_Ant1\_2437\_0~Reference



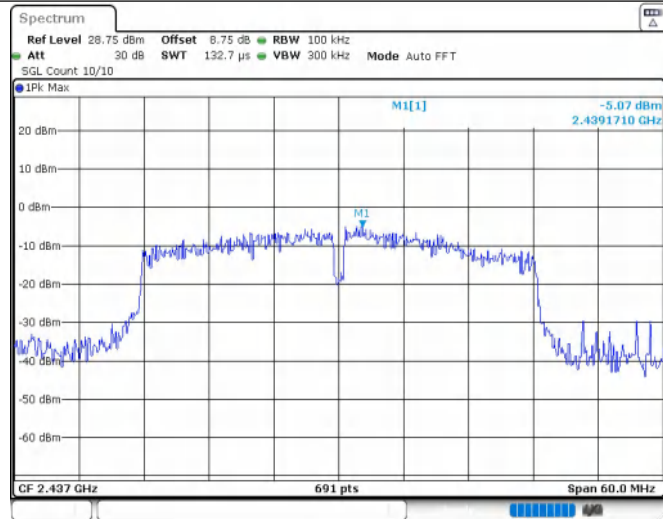
11N40MIMO\_Ant1\_2437\_30~1000



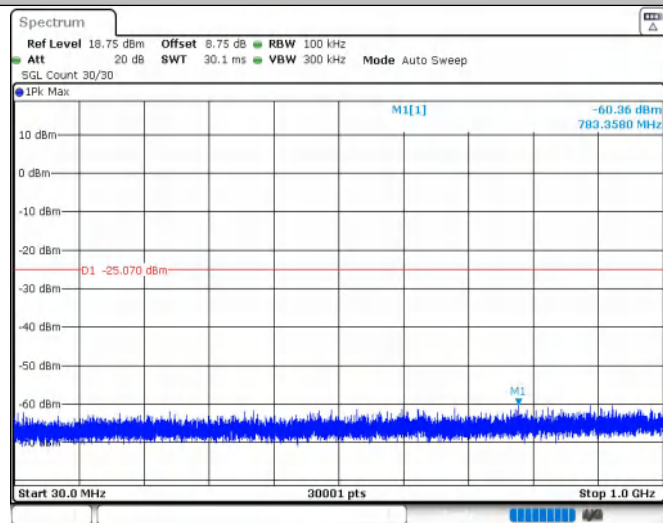
11N40MIMO\_Ant1\_2437\_1000~26500



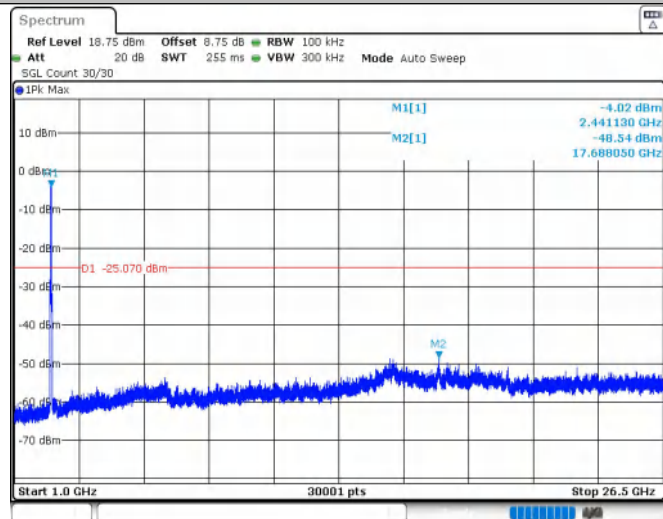
11N40MIMO\_Ant2\_2437\_0~Reference



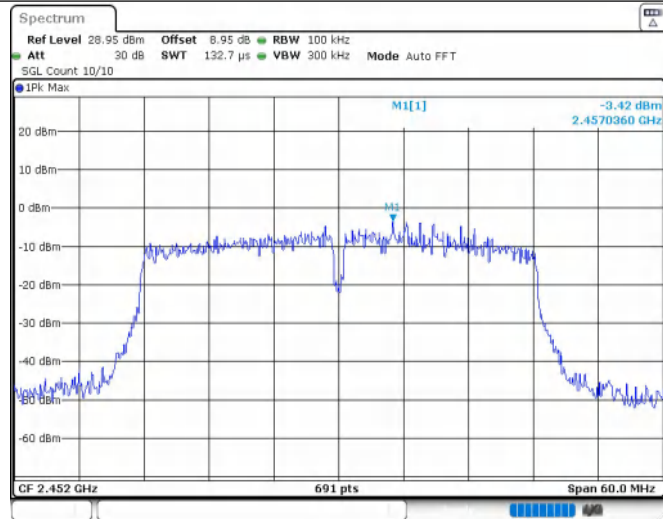
11N40MIMO\_Ant2\_2437\_30~1000



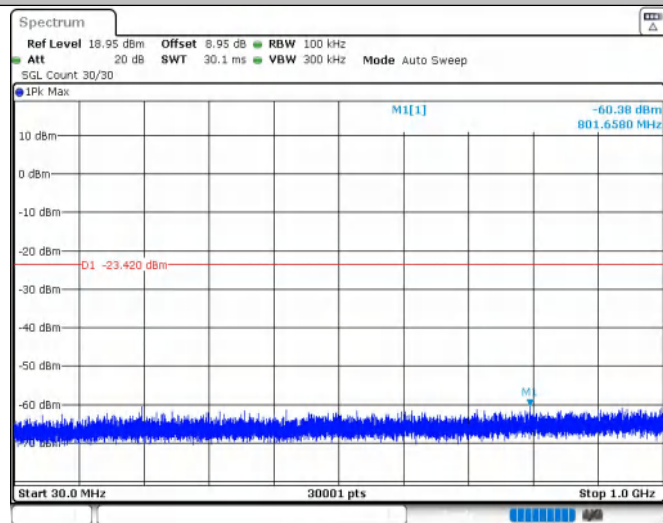
11N40MIMO\_Ant2\_2437\_1000~26500



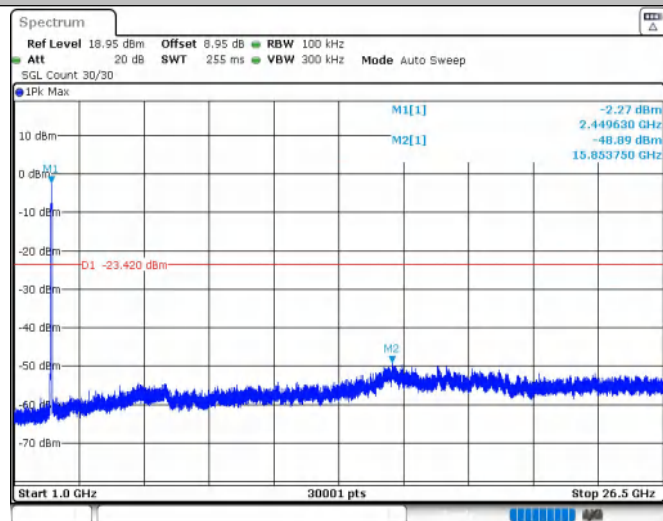
11N40MIMO\_Ant1\_2452\_0~Reference



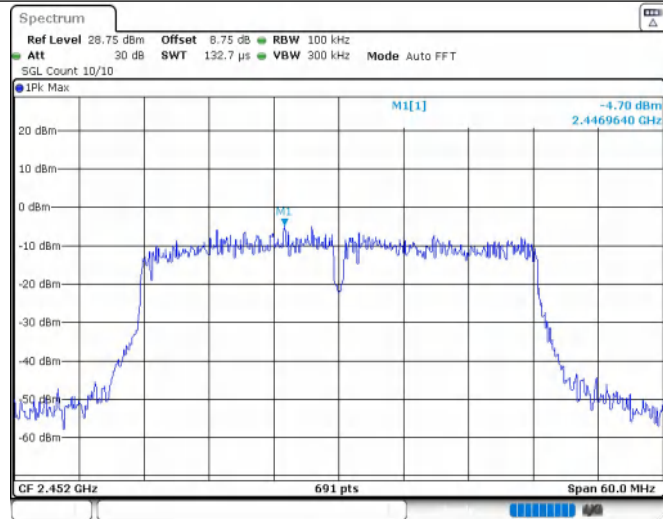
11N40MIMO\_Ant1\_2452\_30~1000



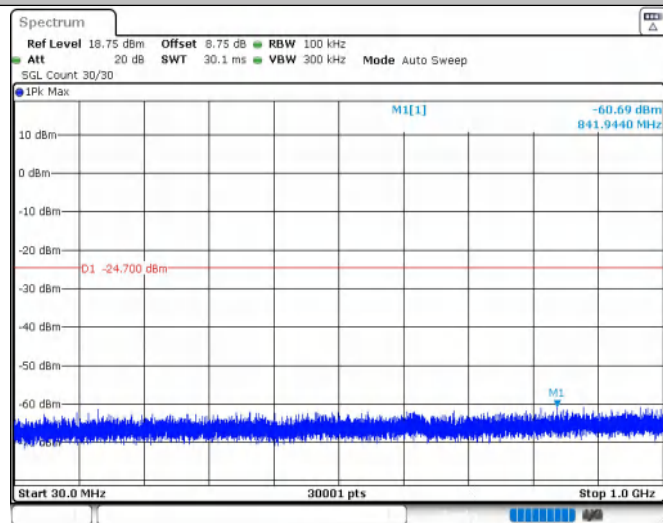
11N40MIMO\_Ant1\_2452\_1000~26500



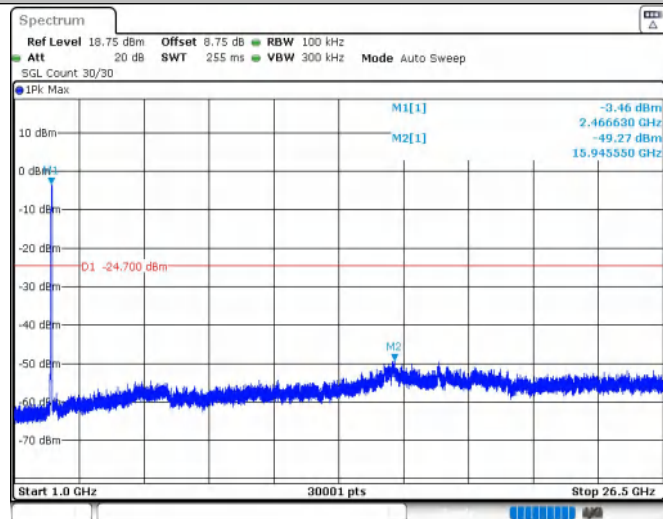
11N40MIMO\_Ant2\_2452\_0~Reference



### 11N40MIMO\_Ant2\_2452\_30~1000



### 11N40MIMO\_Ant2\_2452\_1000~26500



## Appendix G: Duty Cycle

### Test Result

| TestMode  | Antenna | Channel | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Limit | Verdict |
|-----------|---------|---------|----------------------------|--------------------------|----------------|-------|---------|
| 11B       | Ant1    | 2412    | 8.38                       | 8.41                     | 99.64          | ---   | ---     |
|           | Ant2    | 2412    | 8.38                       | 8.41                     | 99.64          | ---   | ---     |
|           | Ant1    | 2437    | 8.39                       | 8.42                     | 99.64          | ---   | ---     |
|           | Ant2    | 2437    | 8.38                       | 8.41                     | 99.64          | ---   | ---     |
|           | Ant1    | 2462    | 8.38                       | 8.41                     | 99.64          | ---   | ---     |
|           | Ant2    | 2462    | 8.37                       | 8.40                     | 99.64          | ---   | ---     |
| 11G       | Ant1    | 2412    | 1.39                       | 1.43                     | 97.20          | ---   | ---     |
|           | Ant2    | 2412    | 1.39                       | 1.43                     | 97.20          | ---   | ---     |
|           | Ant1    | 2437    | 1.39                       | 1.43                     | 97.20          | ---   | ---     |
|           | Ant2    | 2437    | 1.39                       | 1.43                     | 97.20          | ---   | ---     |
|           | Ant1    | 2462    | 1.39                       | 1.43                     | 97.20          | ---   | ---     |
|           | Ant2    | 2462    | 1.39                       | 1.43                     | 97.20          | ---   | ---     |
| 11N20MIMO | Ant1    | 2412    | 1.29                       | 1.33                     | 96.99          | ---   | ---     |
|           | Ant2    | 2412    | 1.30                       | 1.33                     | 97.74          | ---   | ---     |
|           | Ant1    | 2437    | 1.30                       | 1.34                     | 97.01          | ---   | ---     |
|           | Ant2    | 2437    | 1.30                       | 1.34                     | 97.01          | ---   | ---     |
|           | Ant1    | 2462    | 1.30                       | 1.34                     | 97.01          | ---   | ---     |
|           | Ant2    | 2462    | 1.30                       | 1.34                     | 97.01          | ---   | ---     |
| 11N40MIMO | Ant1    | 2422    | 0.65                       | 0.69                     | 94.20          | ---   | ---     |
|           | Ant2    | 2422    | 0.65                       | 0.68                     | 95.59          | ---   | ---     |
|           | Ant1    | 2437    | 0.65                       | 0.68                     | 95.59          | ---   | ---     |
|           | Ant2    | 2437    | 0.65                       | 0.68                     | 95.59          | ---   | ---     |
|           | Ant1    | 2452    | 0.65                       | 0.69                     | 94.20          | ---   | ---     |
|           | Ant2    | 2452    | 0.65                       | 0.69                     | 94.20          | ---   | ---     |

11B\_Ant1\_2412

Spectrum

Ref Level 25.00 dBm Offset 9.22 dB RBW 10 MHz  
Att 30 dB SWT 12 ms VBW 10 MHz  
SGL Count 1/1 TRG:VID

IPk Clw

20 dBm  
10 dBm TRG 10.700 dBm  
0 dBm  
-10 dBm  
-20 dBm  
-30 dBm  
-40 dBm  
-50 dBm  
-60 dBm  
-70 dBm

M1  
M1[1]  
D1[1]  
D2  
16.16 dBm  
2.02000 ms  
-0.02 dB  
0.38000 ms

CF 2.412 GHz 3001 pts 1.2 ms/

Marker

| Type | Ref | Trc | X-value | Y-value   | Function | Function Result |
|------|-----|-----|---------|-----------|----------|-----------------|
| M1   |     | 1   | 2.02 ms | 16.16 dBm |          |                 |
| D1   | M1  | 1   | 0.38 ms | -0.02 dB  |          |                 |
| D2   | M1  | 1   | 0.41 ms | -0.03 dB  |          |                 |

11B\_Ant2\_2412

Spectrum

Ref Level 25.00 dBm Offset 9.10 dB RBW 10 MHz  
Att 30 dB SWT 17 ms VBW 10 MHz  
SGL Count 1/1 TRG:VID

IPk Clw

20 dBm  
10 dBm TRG 9.300 dBm  
0 dBm  
-10 dBm  
-20 dBm  
-30 dBm  
-40 dBm  
-50 dBm  
-60 dBm  
-70 dBm

M1  
M1[1]  
D1[1]  
D2  
14.73 dBm  
7.38000 ms  
-0.02 dB  
0.38000 ms

CF 2.412 GHz 3001 pts 1.7 ms/

Marker

| Type | Ref | Trc | X-value | Y-value   | Function | Function Result |
|------|-----|-----|---------|-----------|----------|-----------------|
| M1   |     | 1   | 7.38 ms | 14.73 dBm |          |                 |
| D1   | M1  | 1   | 0.38 ms | -0.02 dB  |          |                 |
| D2   | M1  | 1   | 0.41 ms | -0.01 dB  |          |                 |

11B\_Ant1\_2437

Spectrum

Ref Level 25.00 dBm Offset 8.95 dB RBW 10 MHz  
Att 30 dB SWT 12 ms VBW 10 MHz  
SGL Count 1/1 TRG:VID

IPk Clw

20 dBm  
10 dBm TRG 10.100 dBm  
0 dBm  
-10 dBm  
-20 dBm  
-30 dBm  
-40 dBm  
-50 dBm  
-60 dBm  
-70 dBm

M1  
M1[1]  
D1[1]  
D2  
15.00 dBm  
1.37000 ms  
-48.13 dB  
0.39000 ms

CF 2.437 GHz 3001 pts 1.2 ms/

Marker

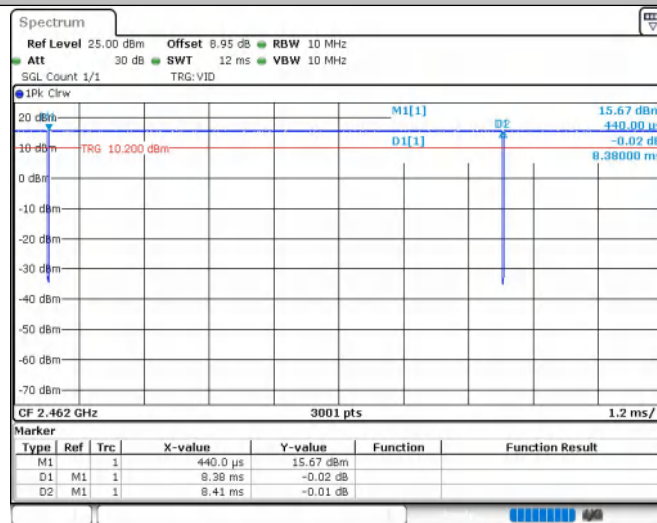
| Type | Ref | Trc | X-value | Y-value   | Function | Function Result |
|------|-----|-----|---------|-----------|----------|-----------------|
| M1   |     | 1   | 1.37 ms | 15.00 dBm |          |                 |
| D1   | M1  | 1   | 0.39 ms | -48.13 dB |          |                 |
| D2   | M1  | 1   | 0.42 ms | 0.49 dB   |          |                 |

11B\_Ant2\_2437

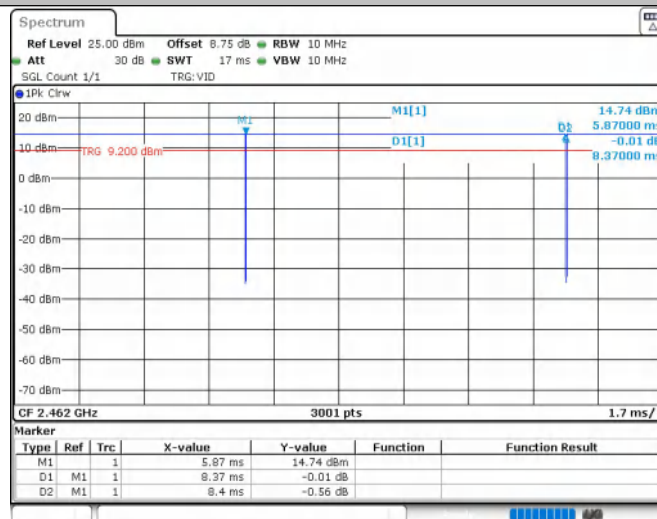
11B\_Ant2\_2437



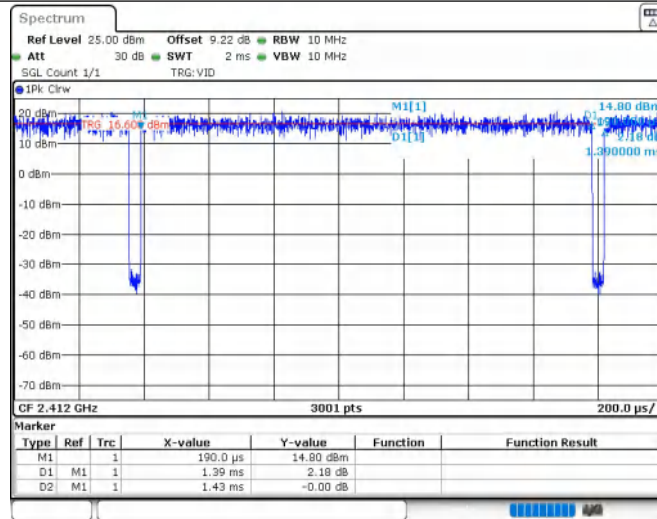
11B\_Ant1\_2462



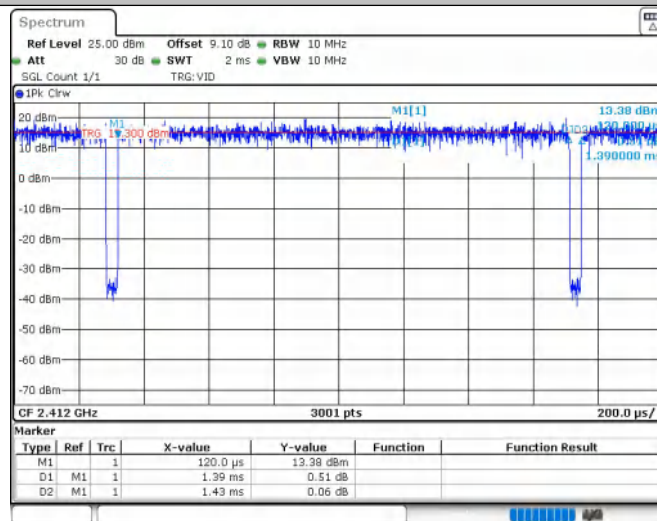
11B\_Ant2\_2462



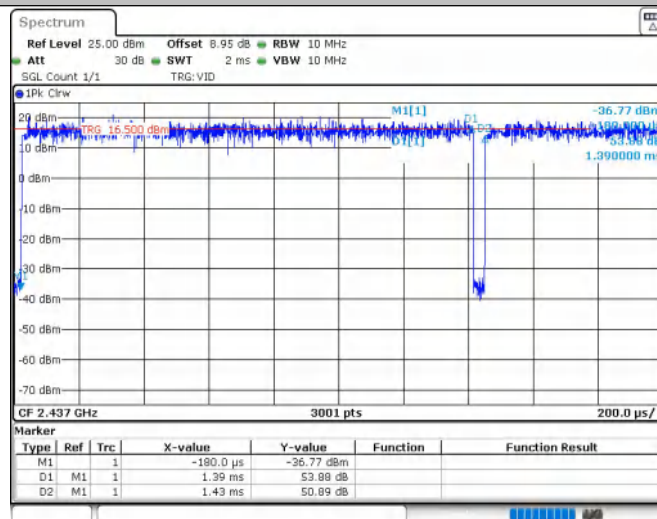
11G\_Ant1\_2412



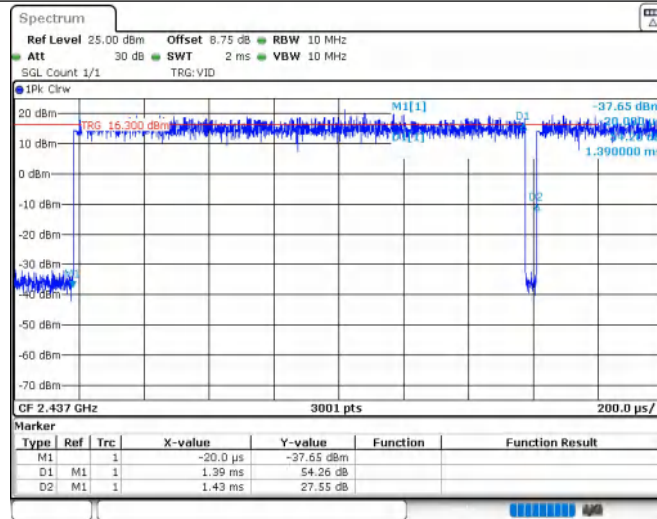
11G\_Ant2\_2412



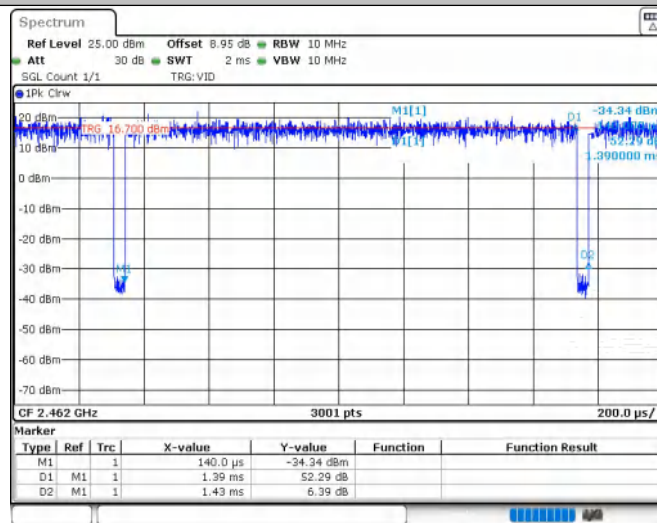
11G\_Ant1\_2437



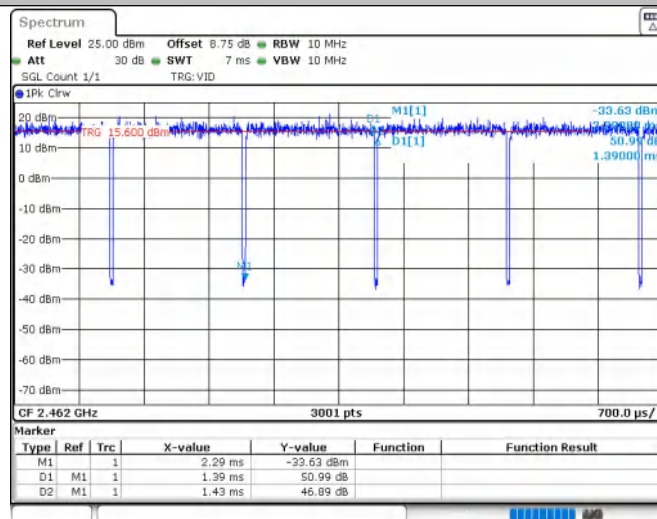
11G\_Ant2\_2437



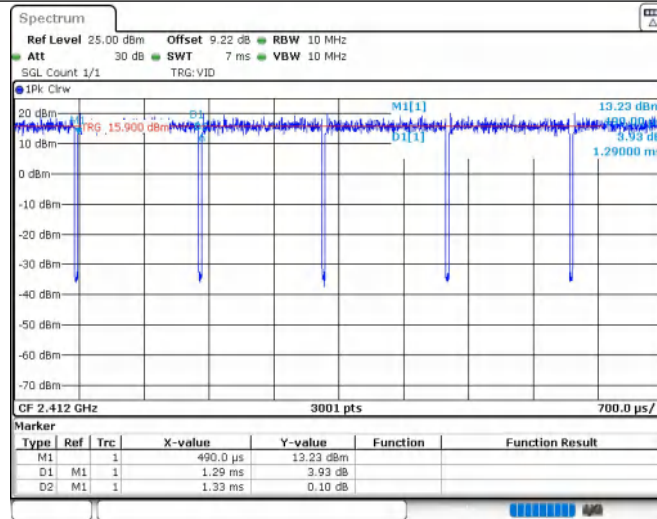
11G\_Ant1\_2462



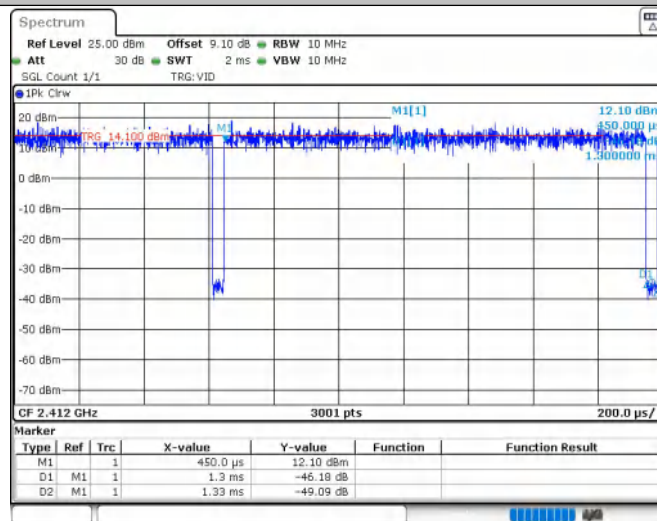
11G\_Ant2\_2462



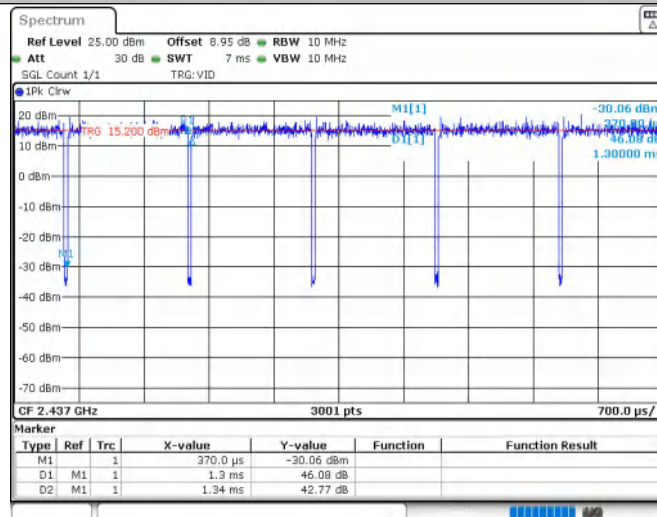
11N20MIMO\_Ant1\_2412



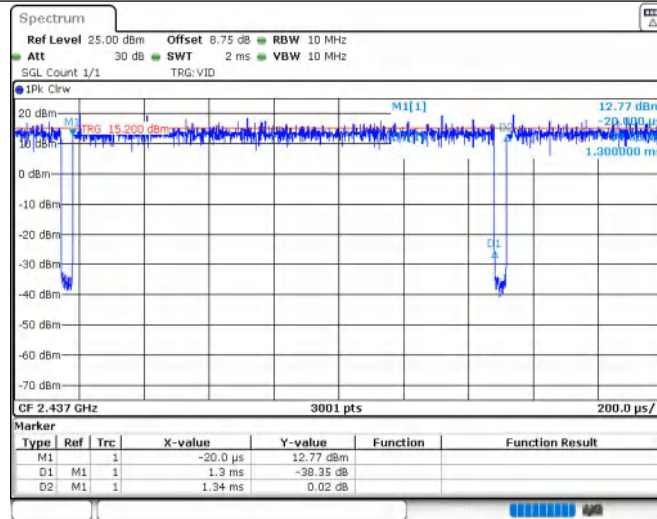
11N20MIMO\_Ant2\_2412



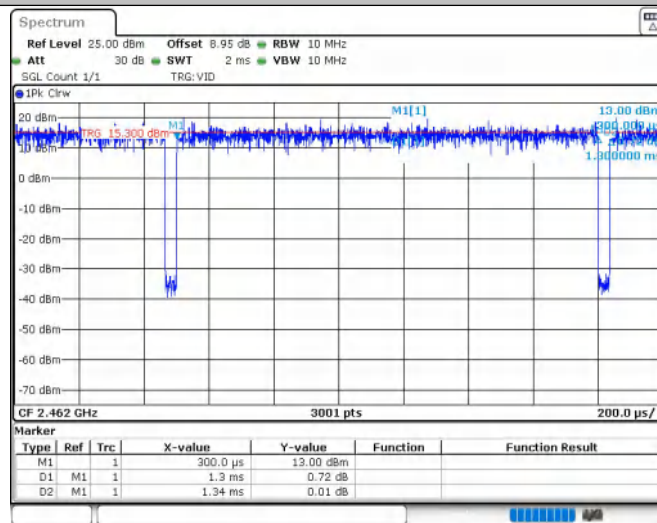
11N20MIMO\_Ant1\_2437



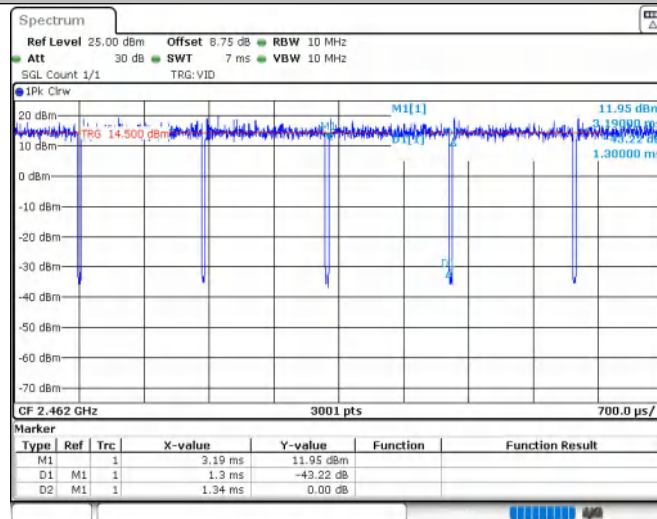
11N20MIMO\_Ant2\_2437



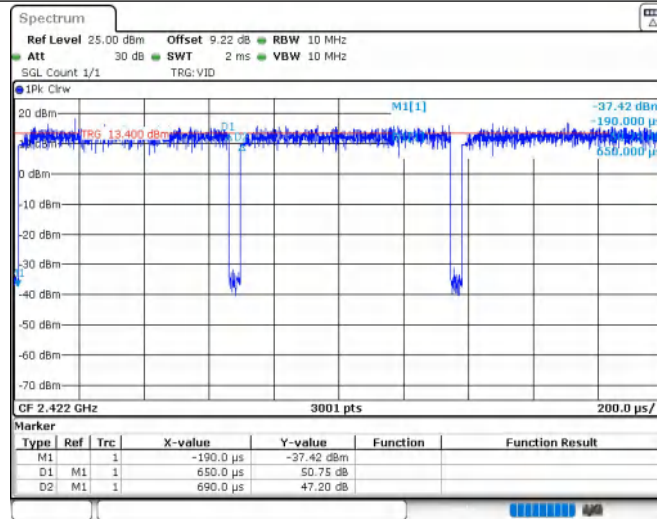
11N20MIMO\_Ant1\_2462



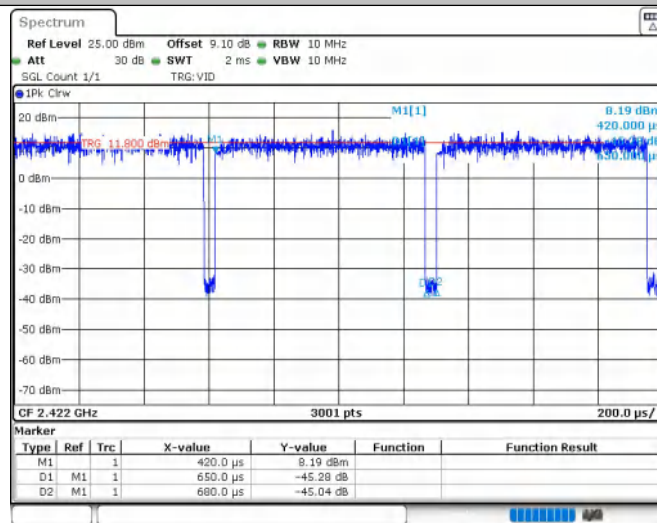
11N20MIMO\_Ant2\_2462



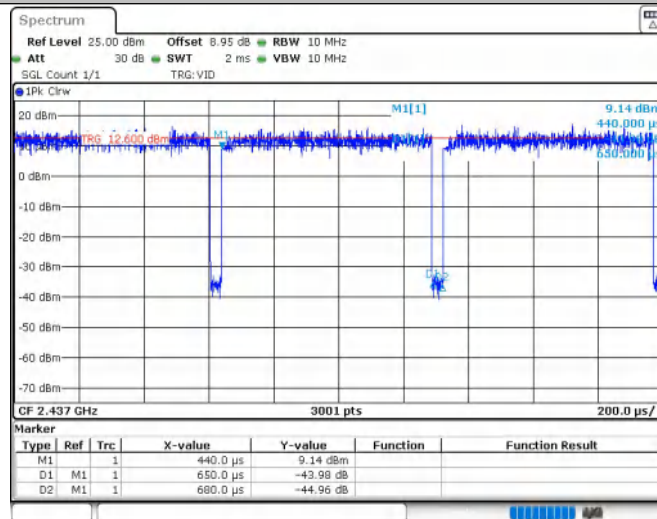
11N40MIMO\_Ant1\_2422



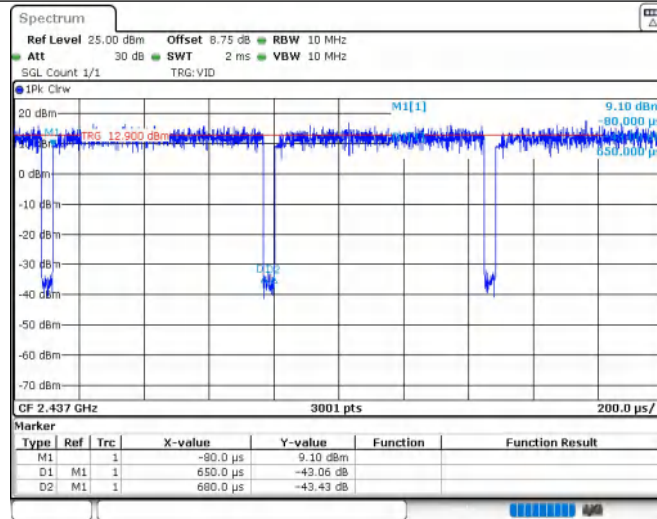
11N40MIMO\_Ant2\_2422



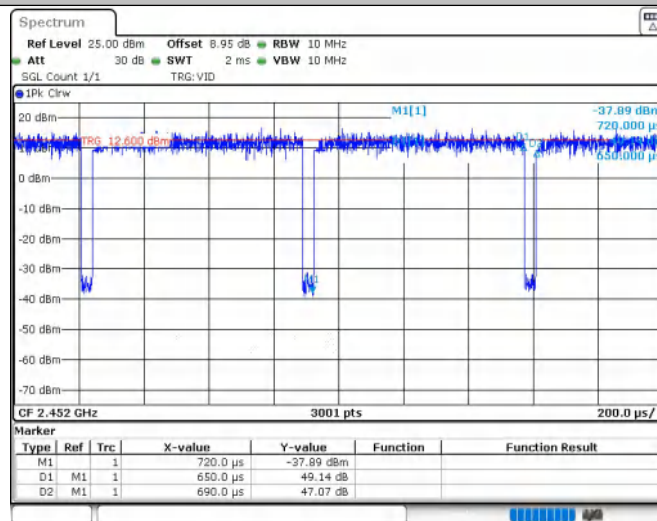
11N40MIMO\_Ant1\_2437



11N40MIMO\_Ant2\_2437



11N40MIMO\_Ant1\_2452



11N40MIMO\_Ant2\_2452

