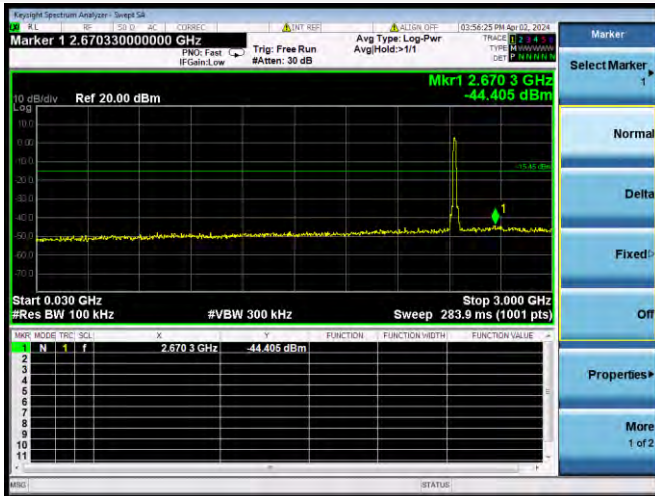


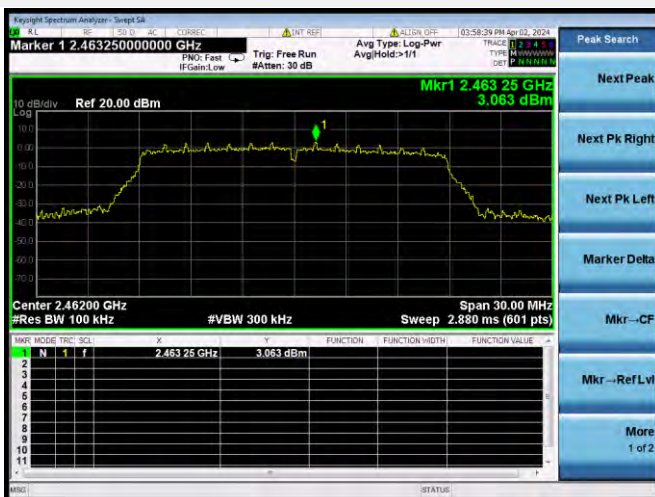
### 802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



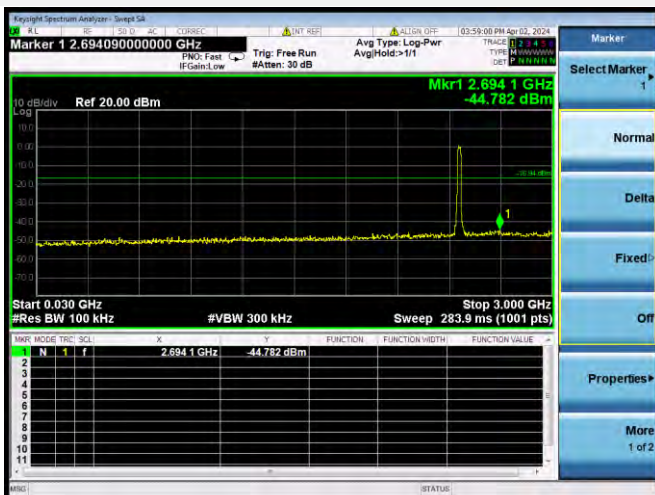
### 802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



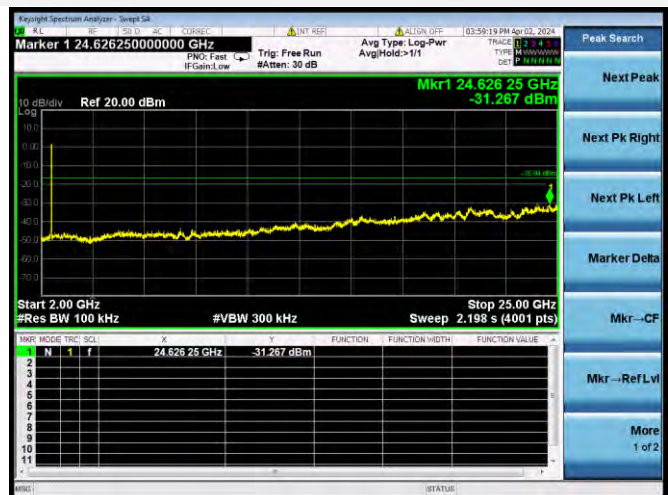
### 802.11n-20 MHz HIGH CHANNEL CARRIER LEVEL



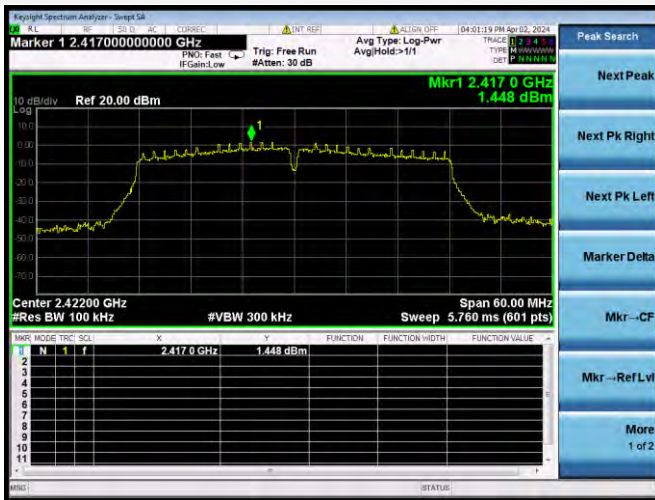
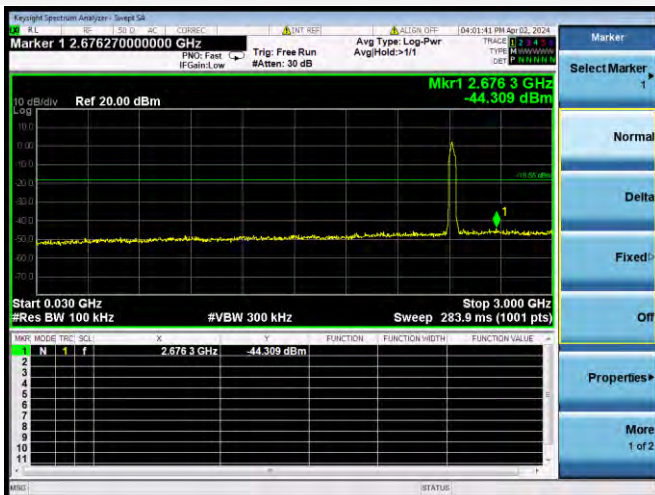
### 802.11n-20 MHz HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



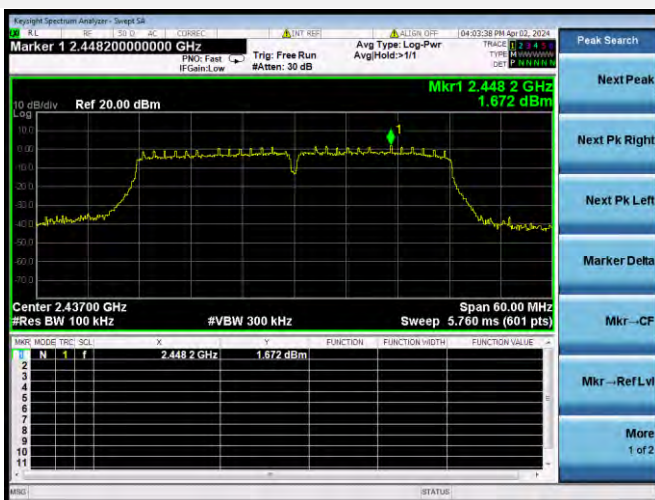
### 802.11n-20 MHz HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



## 802.11n-40 MHz LOW CHANNEL CARRIER LEVEL

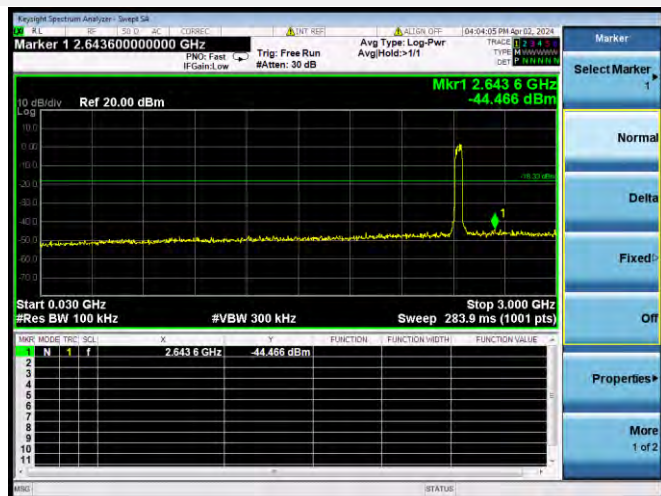
802.11n-40 MHz LOW CHANNEL, SPURIOUS  
30 MHz ~ 3 GHz802.11n-40 MHz LOW CHANNEL, SPURIOUS  
2 GHz ~ 25 GHz

## 802.11n-40 MHz MIDDLE CHANNEL CARRIER LEVEL

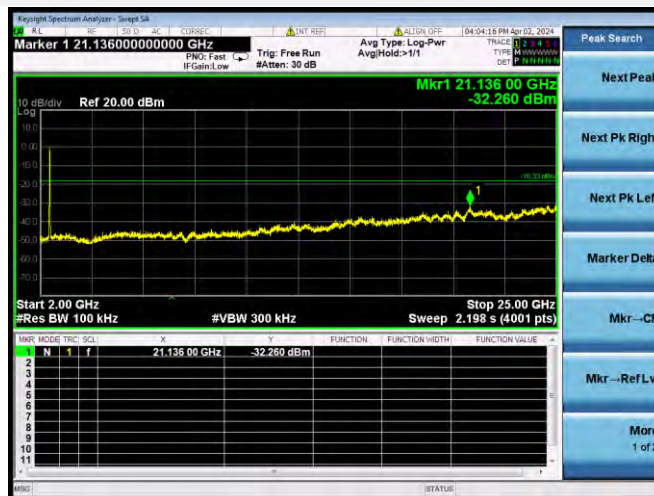




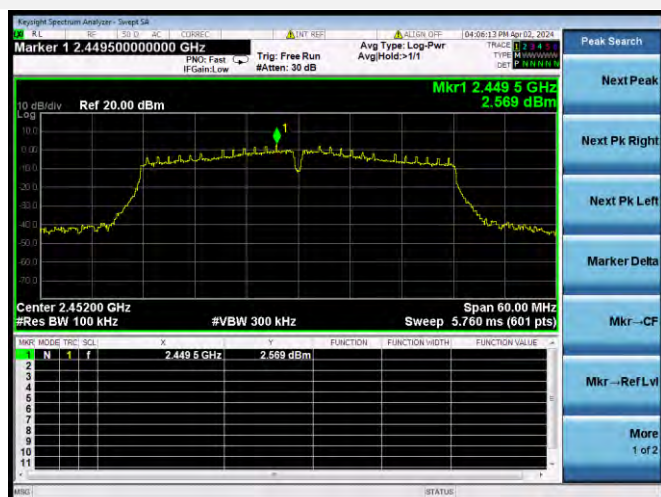
### 802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



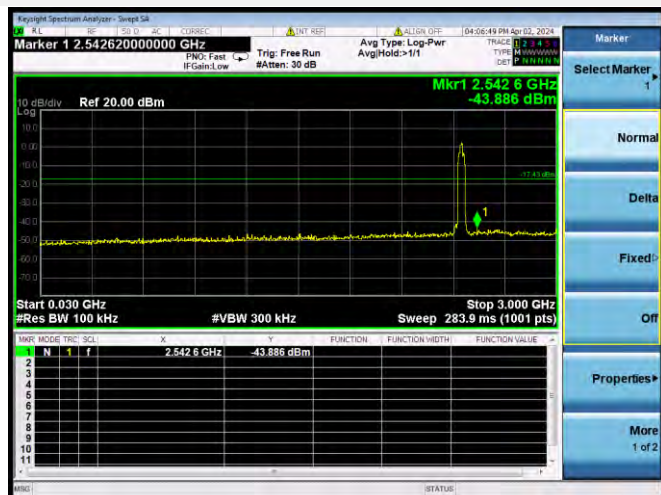
### 802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



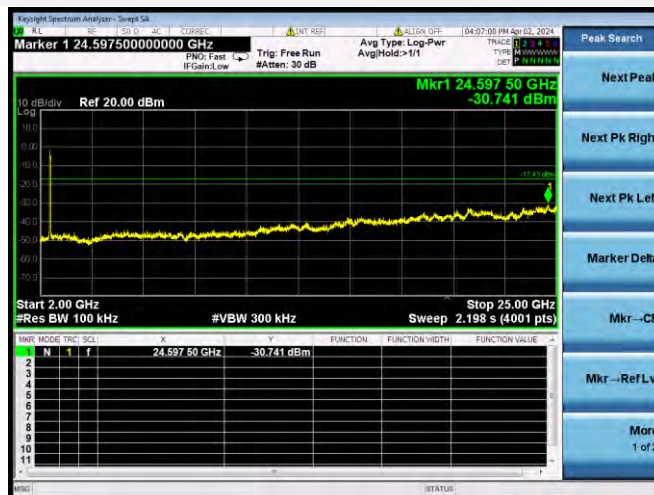
### 802.11n-40 MHz HIGH CHANNEL CARRIER LEVEL



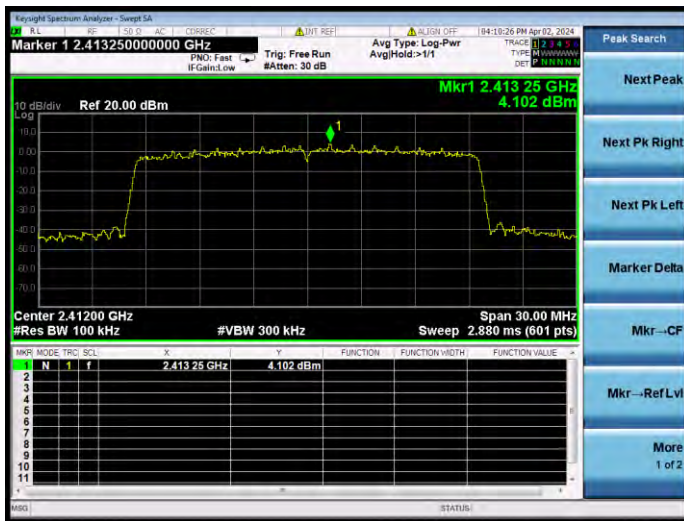
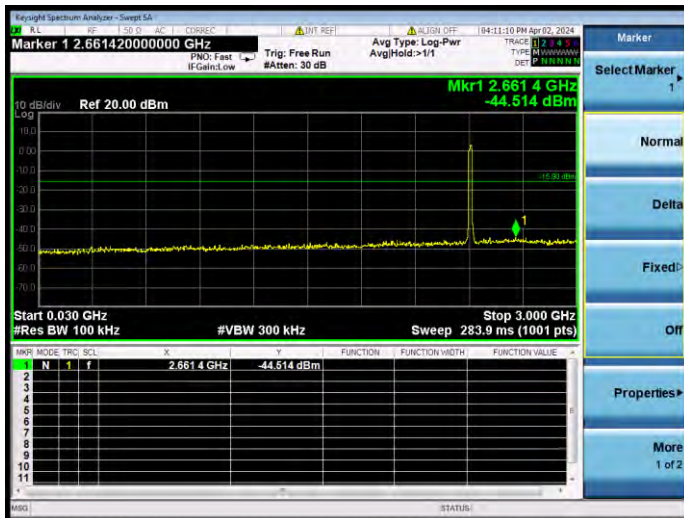
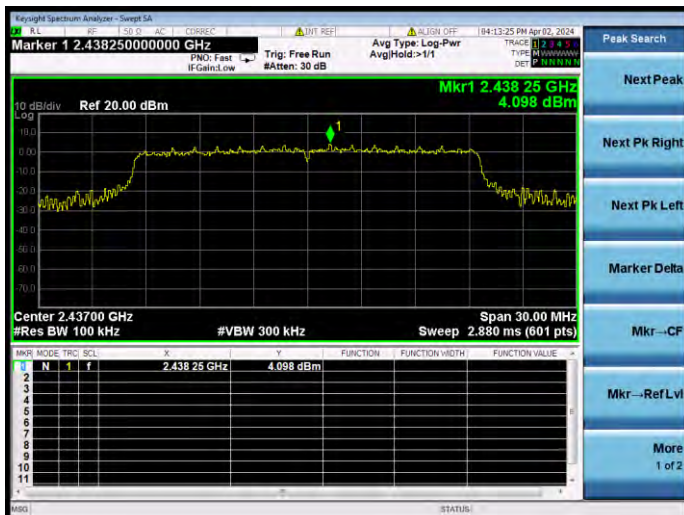
### 802.11n-40 MHz HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



### 802.11n-40 MHz HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz

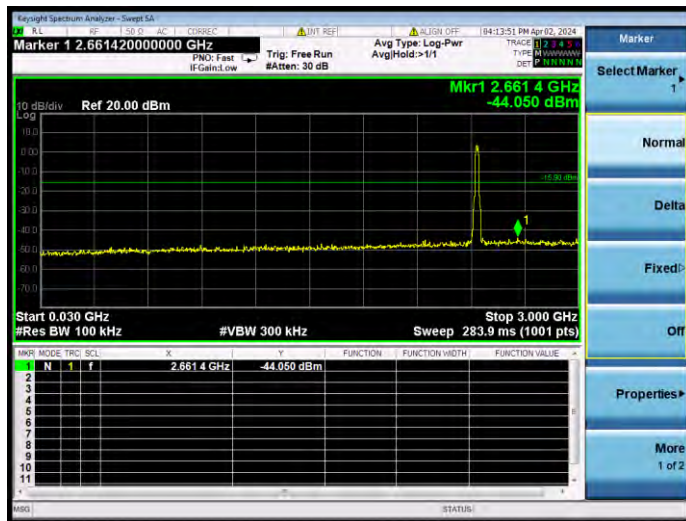


## 802.11ax-20 MHz(SU) LOW CHANNEL CARRIER LEVEL

802.11ax-20 MHz(SU) LOW CHANNEL, SPURIOUS  
30 MHz ~ 3 GHz802.11ax-20 MHz(SU) LOW CHANNEL, SPURIOUS  
2 GHz ~ 25 GHz802.11ax-20 MHz(SU) MIDDLE CHANNEL CARRIER  
LEVEL



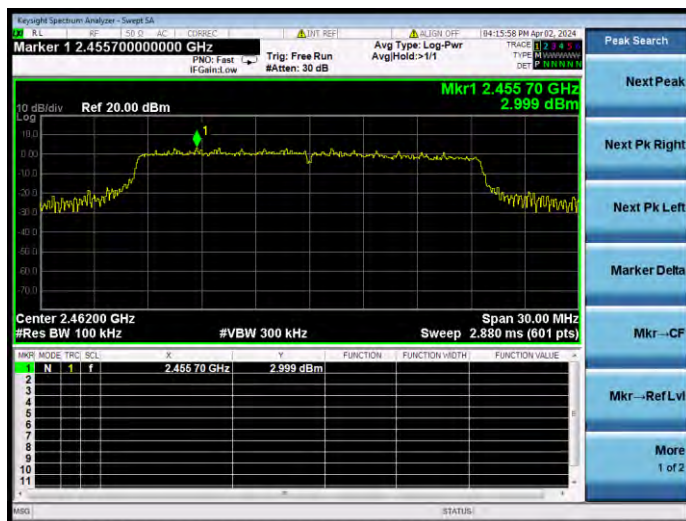
### 802.11ax-20 MHz(SU) MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



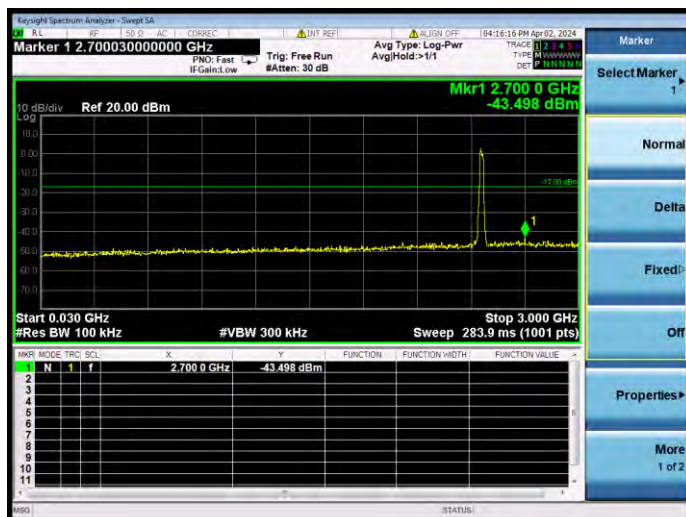
### 802.11ax-20 MHz(SU) MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



### 802.11ax-20 MHz(SU) HIGH CHANNEL CARRIER LEVEL



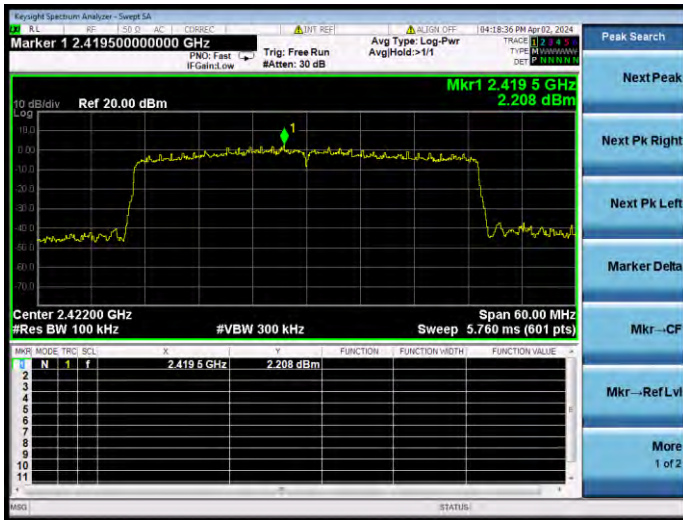
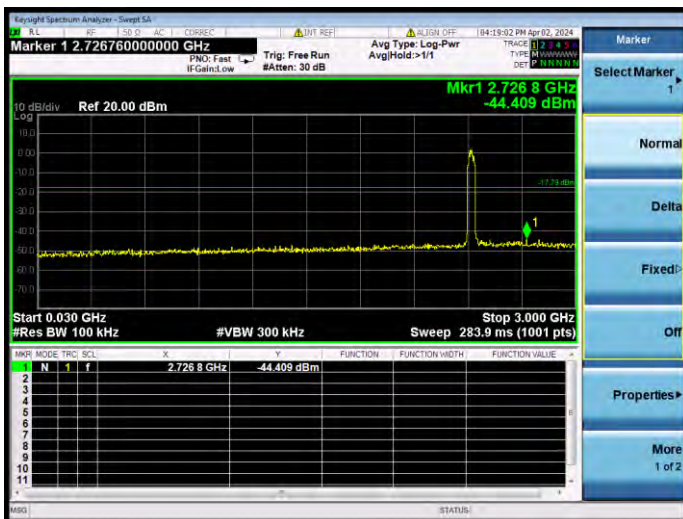
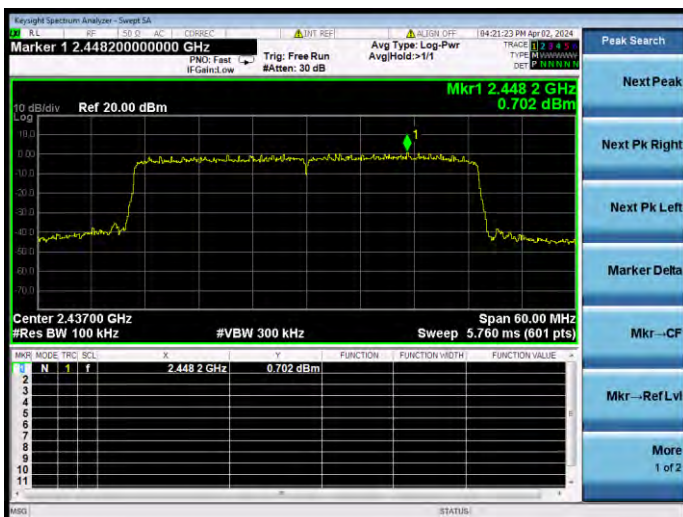
### 802.11ax-20 MHz(SU) HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



### 802.11ax-20 MHz(SU) HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz

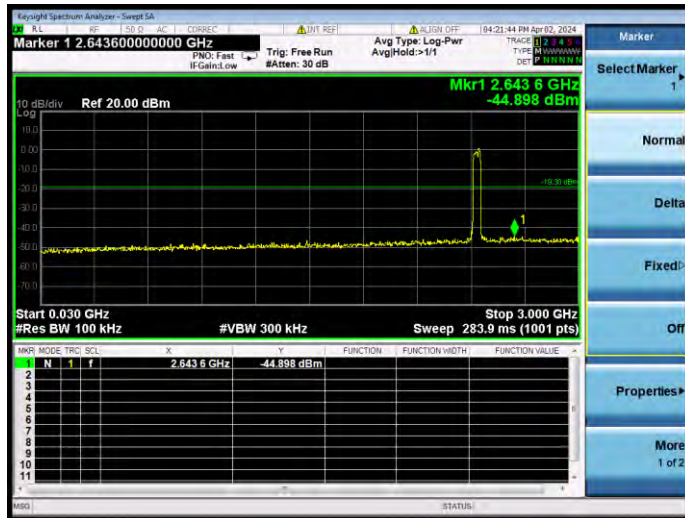


## 802.11ax-40 MHz(SU) LOW CHANNEL CARRIER LEVEL

802.11ax-40 MHz(SU) LOW CHANNEL, SPURIOUS  
30 MHz ~ 3 GHz802.11ax-40 MHz(SU) LOW CHANNEL, SPURIOUS  
2 GHz ~ 25 GHz802.11ax-40 MHz(SU) MIDDLE CHANNEL CARRIER  
LEVEL



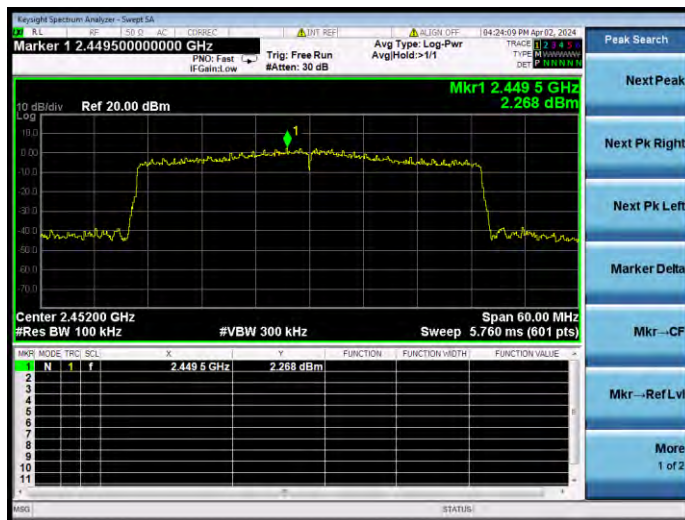
### 802.11ax-40 MHz(SU) MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



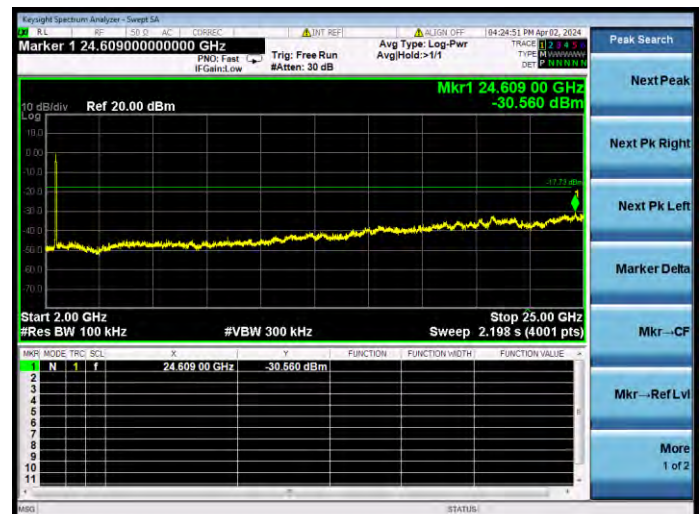
### 802.11ax-40 MHz(SU) MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



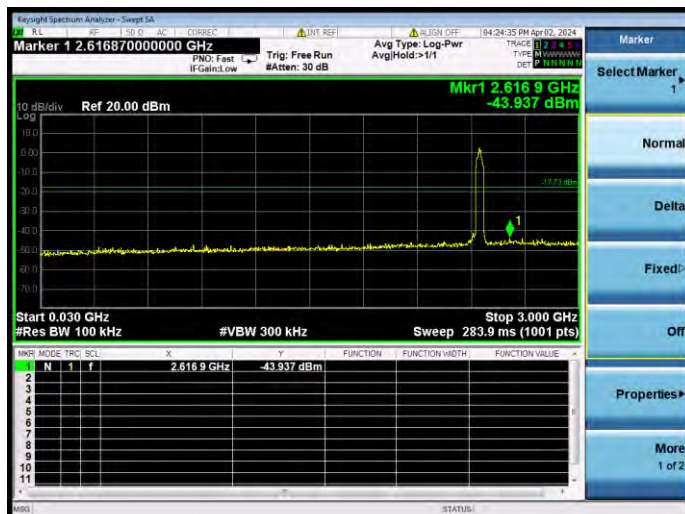
### 802.11ax-40 MHz(SU) HIGH CHANNEL CARRIER LEVEL



### 802.11ax-40 MHz(SU) HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



### 802.11ax-40 MHz(SU) HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



## A.4 Band Edge (Authorized-band band-edge)

Note 1: The 99% OBW of the fundamental emission is without 2 MHz of the authorized band.

Note 2: All antenna were tested, but only the worst case has been reported in this report.

Note 3: All the configurations were pre tested, only the worst configuration has been reported in this report.

### Test Data

#### 802.11b Mode:

| Channel      | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|--------------|----------------------------------------------|---------------|----------------------------|---------|
|              |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| Low Channel  | -39.12                                       | 7.66          | -12.34                     | Pass    |
| High Channel | -43.52                                       | 7.47          | -12.53                     | Pass    |

#### 802.11g Mode:

| Channel      | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|--------------|----------------------------------------------|---------------|----------------------------|---------|
|              |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| Low Channel  | -38.68                                       | 4.76          | -15.24                     | Pass    |
| High Channel | -38.84                                       | 2.97          | -17.03                     | Pass    |

#### 802.11n-20 MHz Mode:

| Channel      | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|--------------|----------------------------------------------|---------------|----------------------------|---------|
|              |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| Low Channel  | -34.57                                       | 5.45          | -14.55                     | Pass    |
| High Channel | -40.75                                       | 3.06          | -16.94                     | Pass    |

#### 802.11n-40 MHz Mode:

| Channel      | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|--------------|----------------------------------------------|---------------|----------------------------|---------|
|              |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| Low Channel  | -39.83                                       | 1.45          | -18.55                     | Pass    |
| High Channel | -43.23                                       | 2.57          | -17.43                     | Pass    |

#### 802.11ax-20 MHz(SU) Mode:

| Channel      | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|--------------|----------------------------------------------|---------------|----------------------------|---------|
|              |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| Low Channel  | -39.95                                       | 4.10          | -15.90                     | Pass    |
| High Channel | -40.74                                       | 3.00          | -17.00                     | Pass    |



## 802.11ax-40 MHz(SU) Mode:

| Channel      | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|--------------|----------------------------------------------|---------------|----------------------------|---------|
|              |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| Low Channel  | -41.82                                       | 2.21          | -17.79                     | Pass    |
| High Channel | -43.70                                       | 2.27          | -17.73                     | Pass    |

## Test Plots

### 802.11b LOW CHANNEL, CARRIER LEVEL



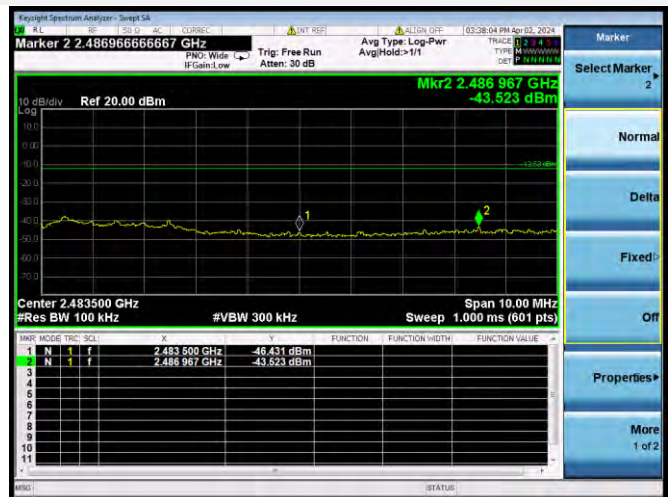
### 802.11b LOW CHANNEL, BAND EDGE



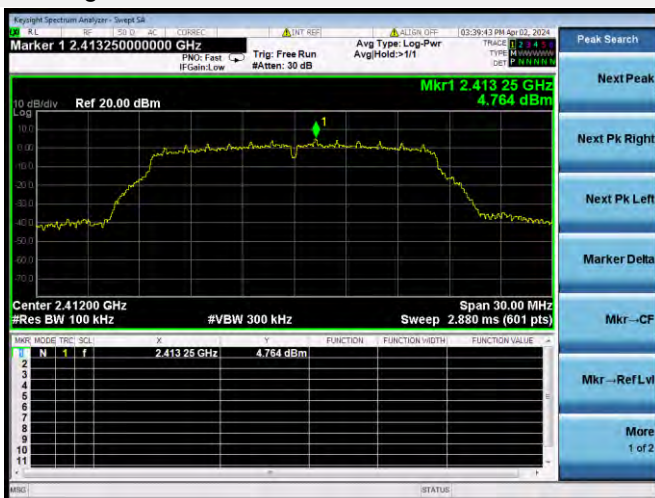
### 802.11b HIGH CHANNEL, CARRIER LEVEL



### 802.11b HIGH CHANNEL, BAND EDGE



### 802.11g LOW CHANNEL, CARRIER LEVEL

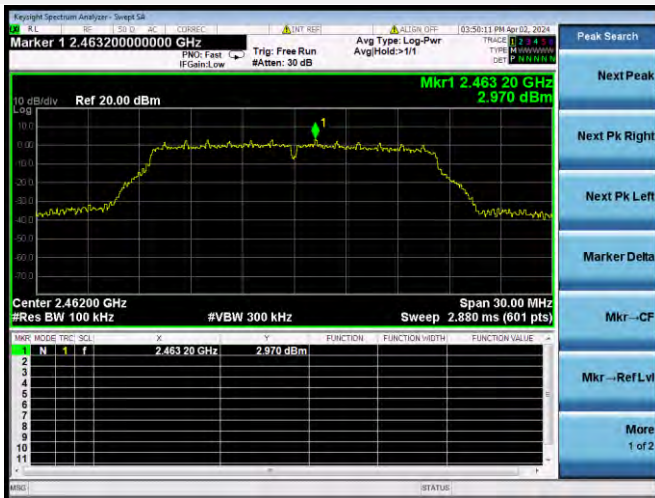


### 802.11g LOW CHANNEL, BAND EDGE

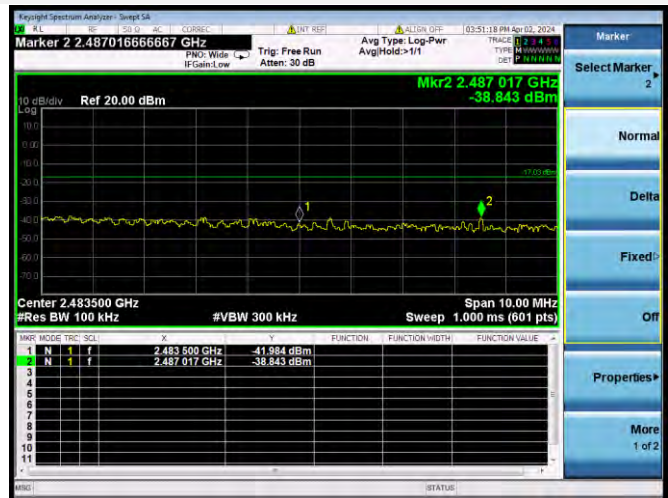




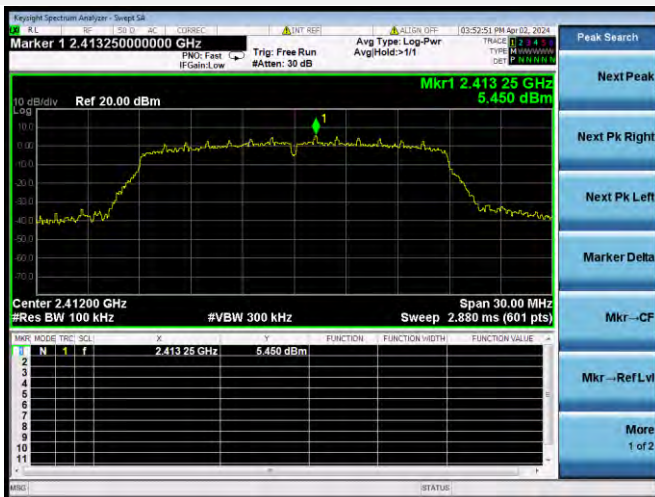
## 802.11g HIGH CHANNEL, CARRIER LEVEL



## 802.11g HIGH CHANNEL, BAND EDGE



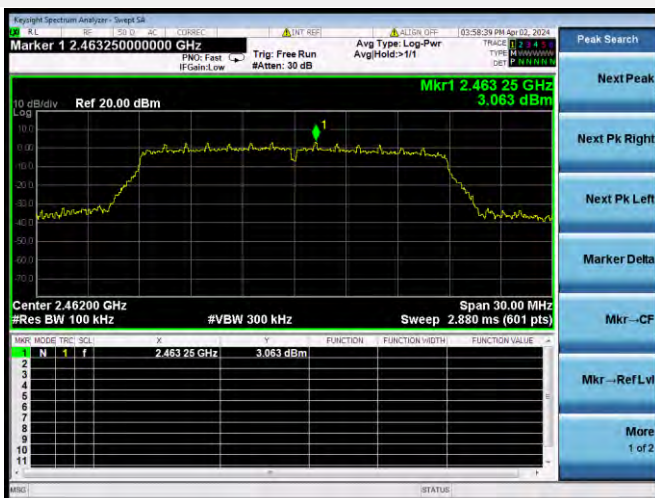
## 802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



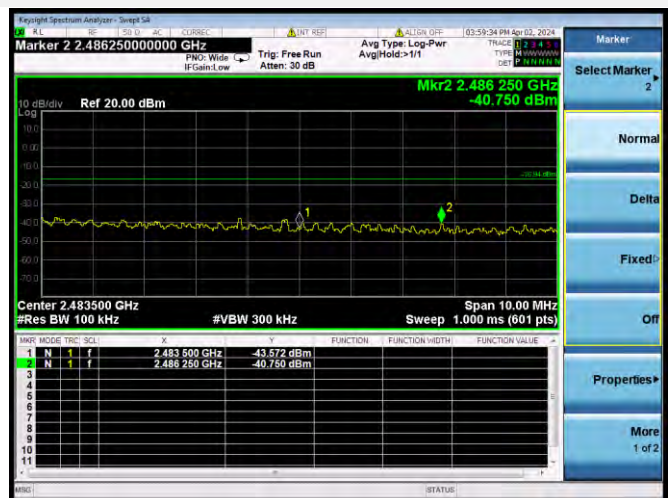
## 802.11n-20 MHz LOW CHANNEL, BAND EDGE



## 802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL

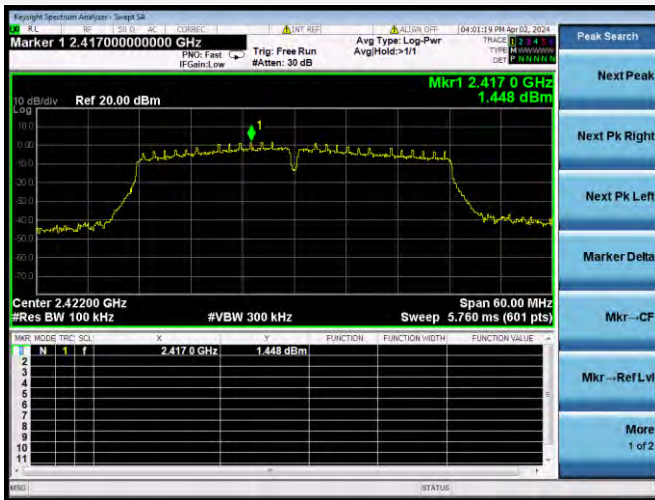


## 802.11n-20 MHz HIGH CHANNEL, BAND EDGE





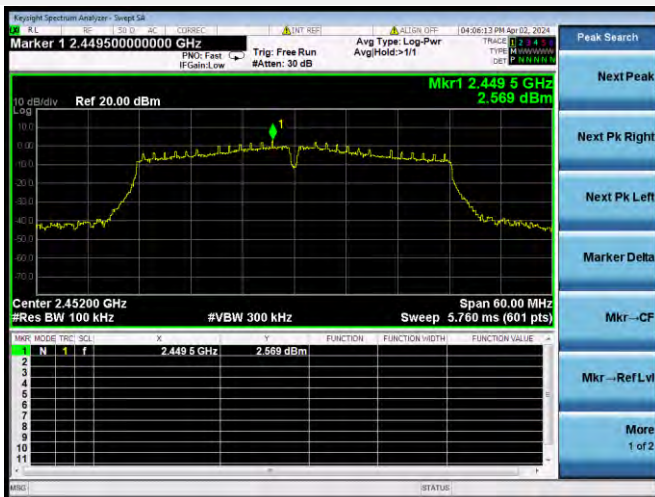
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



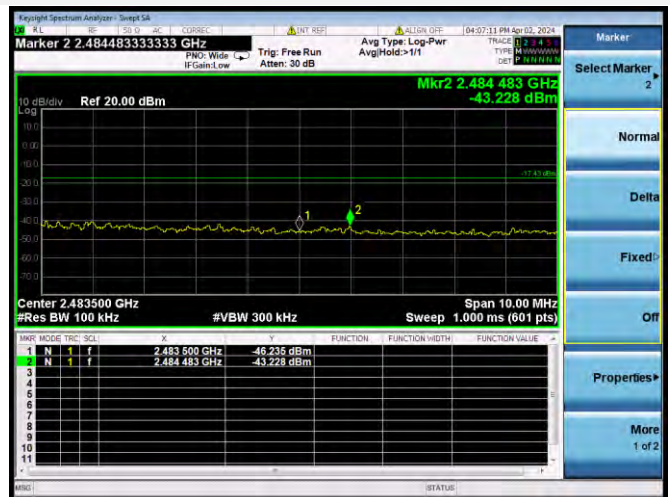
802.11n-40 MHz LOW CHANNEL, BAND EDGE



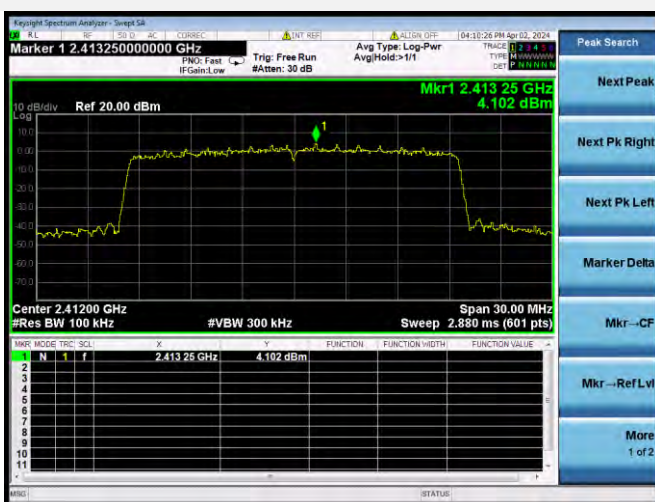
802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



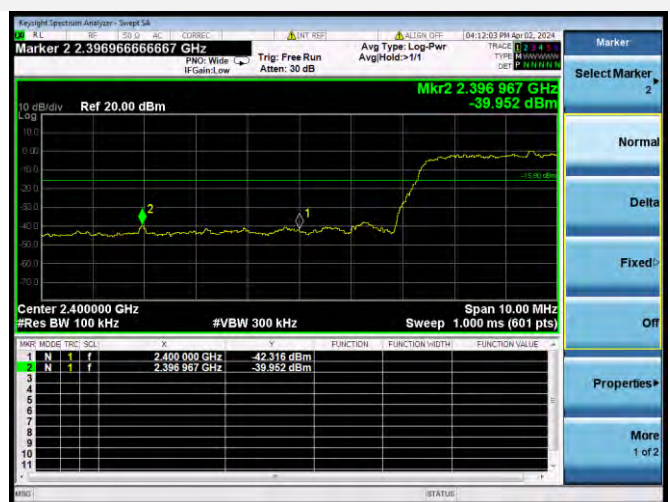
802.11n-40 MHz HIGH CHANNEL, BAND EDGE



802.11ax-20 MHz(SU) LOW CHANNEL, CARRIER LEVEL

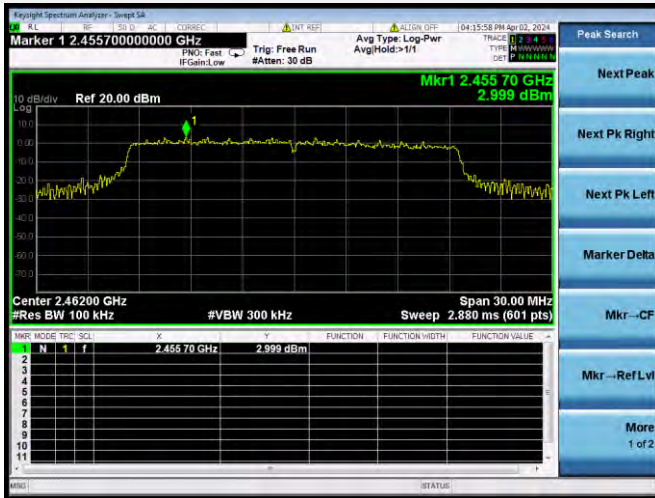


802.11ax-20 MHz(SU) LOW CHANNEL, BAND EDGE

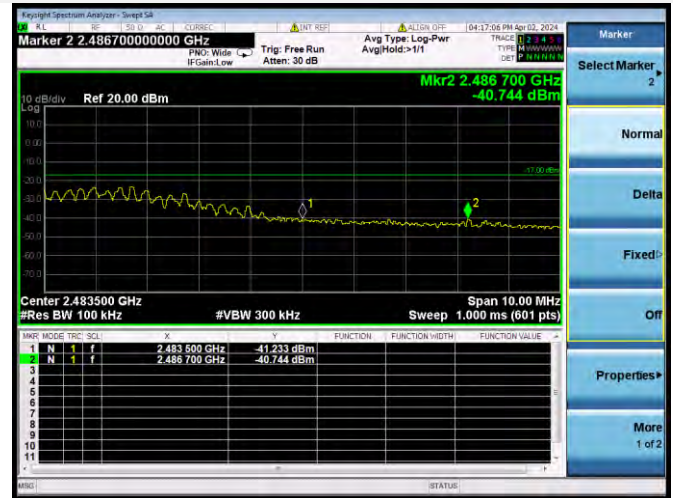




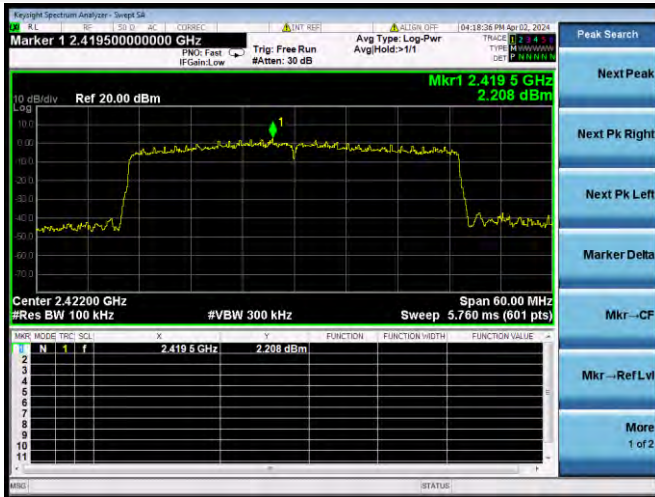
## 802.11ax-20 MHz(SU) HIGH CHANNEL, CARRIER LEVEL



## 802.11ax-20 MHz(SU) HIGH CHANNEL, BAND EDGE



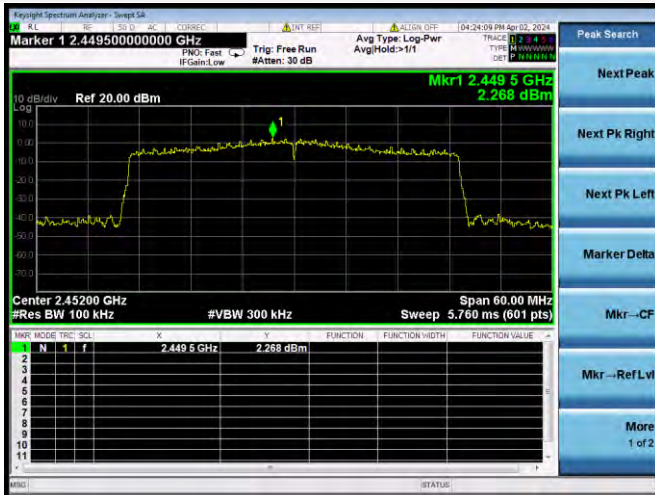
## 802.11ax-40 MHz(SU) LOW CHANNEL, CARRIER LEVEL



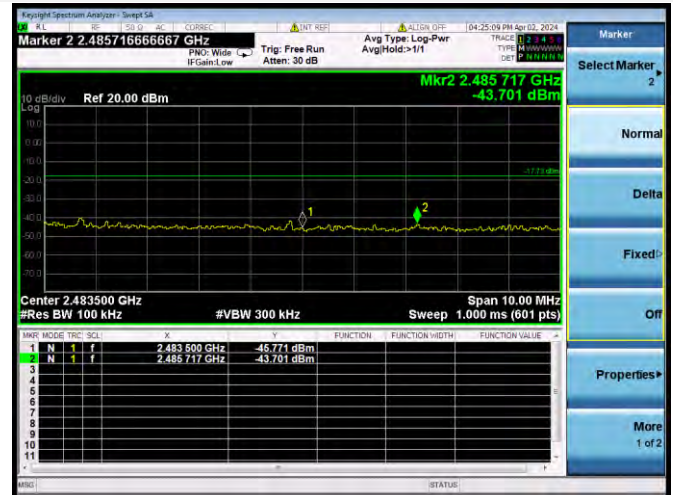
## 802.11ax-40 MHz(SU) LOW CHANNEL, BAND EDGE



## 802.11ax-40 MHz(SU) HIGH CHANNEL, CARRIER LEVEL



## 802.11ax-40 MHz(SU) HIGH CHANNEL, BAND EDGE



## A.5 Conducted Emissions

Note<sup>1</sup>: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

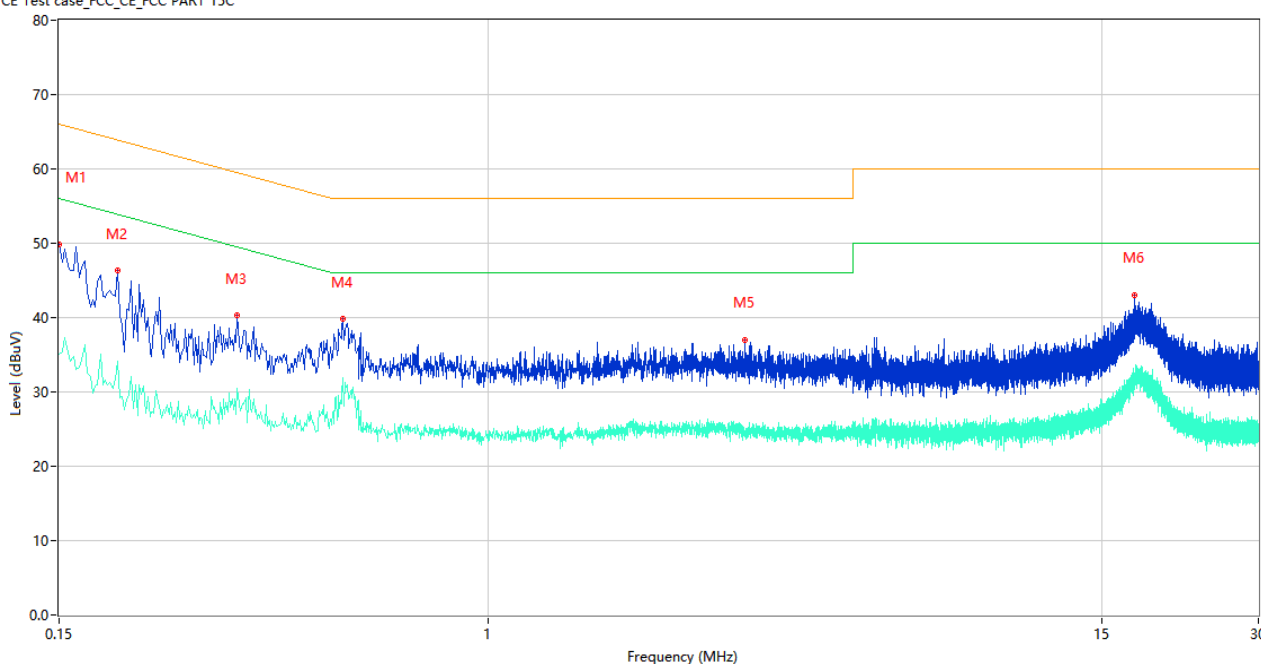
Note<sup>2</sup>: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz ) shown here.

Note<sup>3</sup>: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

### Test Data and Plots

#### PHASE L

CE Test case\_FCC\_CE\_FCC PART 15C

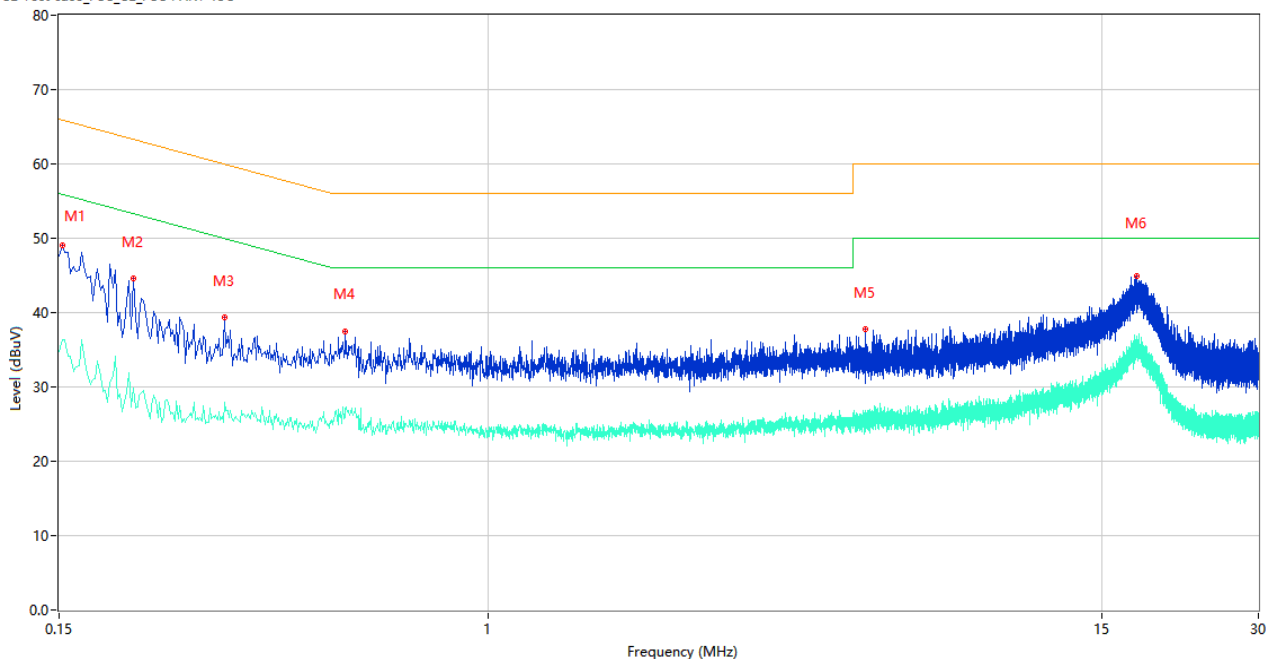


| No. | Frequency (MHz) | Results (dBuV) | Factor (dB) | Limit (dBuV) | Margin (dB) | Detector | Line | Verdict |
|-----|-----------------|----------------|-------------|--------------|-------------|----------|------|---------|
| 1   | 0.150           | 49.91          | 9.78        | 66.00        | 16.09       | Peak     | L    | Pass    |
| 1** | 0.150           | 35.01          | 9.78        | 56.00        | 20.99       | AV       | L    | Pass    |
| 2   | 0.194           | 46.33          | 9.77        | 63.86        | 17.53       | Peak     | L    | Pass    |
| 2** | 0.194           | 34.15          | 9.77        | 53.86        | 19.71       | AV       | L    | Pass    |
| 3   | 0.330           | 40.26          | 10.36       | 59.45        | 19.19       | Peak     | L    | Pass    |
| 3** | 0.330           | 30.46          | 10.36       | 49.45        | 18.99       | AV       | L    | Pass    |
| 4   | 0.526           | 39.87          | 10.01       | 56.00        | 16.13       | Peak     | L    | Pass    |
| 4** | 0.526           | 31.91          | 10.01       | 46.00        | 14.09       | AV       | L    | Pass    |
| 5   | 3.098           | 37.01          | 9.84        | 56.00        | 18.99       | Peak     | L    | Pass    |
| 5** | 3.098           | 24.54          | 9.84        | 46.00        | 21.46       | AV       | L    | Pass    |
| 6   | 17.326          | 43.07          | 10.65       | 60.00        | 16.93       | Peak     | L    | Pass    |
| 6** | 17.326          | 31.47          | 10.65       | 50.00        | 18.53       | AV       | L    | Pass    |



## PHASE N

CE Test case\_FCC\_CE\_FCC PART 15C



| No. | Frequency (MHz) | Results (dBuV) | Factor (dB) | Limit (dBuV) | Margin (dB) | Detector | Line | Verdict |
|-----|-----------------|----------------|-------------|--------------|-------------|----------|------|---------|
| 1   | 0.152           | 49.10          | 9.78        | 65.89        | 16.79       | Peak     | N    | Pass    |
| 1** | 0.152           | 36.27          | 9.78        | 55.89        | 19.62       | AV       | N    | Pass    |
| 2   | 0.208           | 44.56          | 9.77        | 63.28        | 18.72       | Peak     | N    | Pass    |
| 2** | 0.208           | 29.83          | 9.77        | 53.28        | 23.45       | AV       | N    | Pass    |
| 3   | 0.312           | 39.31          | 10.00       | 59.92        | 20.61       | Peak     | N    | Pass    |
| 3** | 0.312           | 27.99          | 10.00       | 49.92        | 21.93       | AV       | N    | Pass    |
| 4   | 0.532           | 37.53          | 10.01       | 56.00        | 18.47       | Peak     | N    | Pass    |
| 4** | 0.532           | 27.10          | 10.01       | 46.00        | 18.90       | AV       | N    | Pass    |
| 5   | 5.282           | 37.71          | 10.32       | 60.00        | 22.29       | Peak     | N    | Pass    |
| 5** | 5.282           | 23.91          | 10.32       | 50.00        | 26.09       | AV       | N    | Pass    |
| 6   | 17.494          | 44.87          | 10.82       | 60.00        | 15.13       | Peak     | N    | Pass    |
| 6** | 17.494          | 36.05          | 10.82       | 50.00        | 13.95       | AV       | N    | Pass    |

## A.6 Radiated Emission

Note<sup>1</sup>: The symbol of "--" in the table which means not application.

Note<sup>2</sup>: For the test data above 1 GHz, According the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

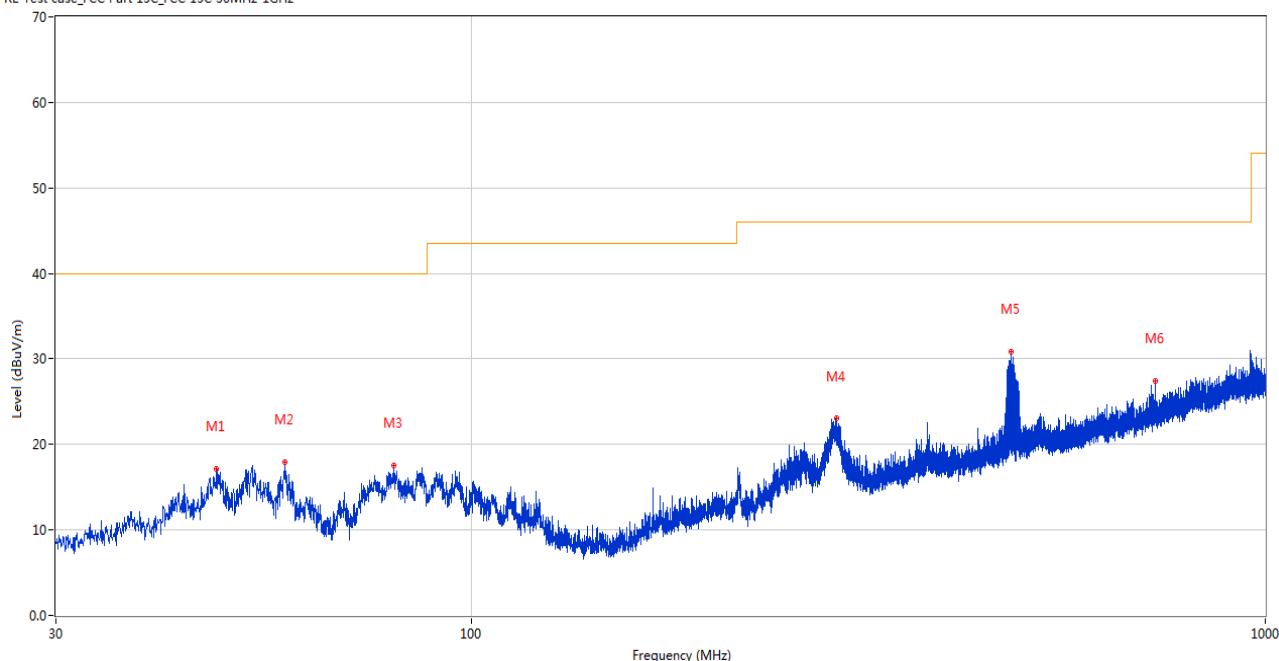
Note<sup>3</sup>: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Note<sup>4</sup>: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

### Test Data and Plots

#### 30 MHz to 1 GHz, ANT H

RE Test case\_FCC Part 15C\_FCC 15C 30MHz-1GHz

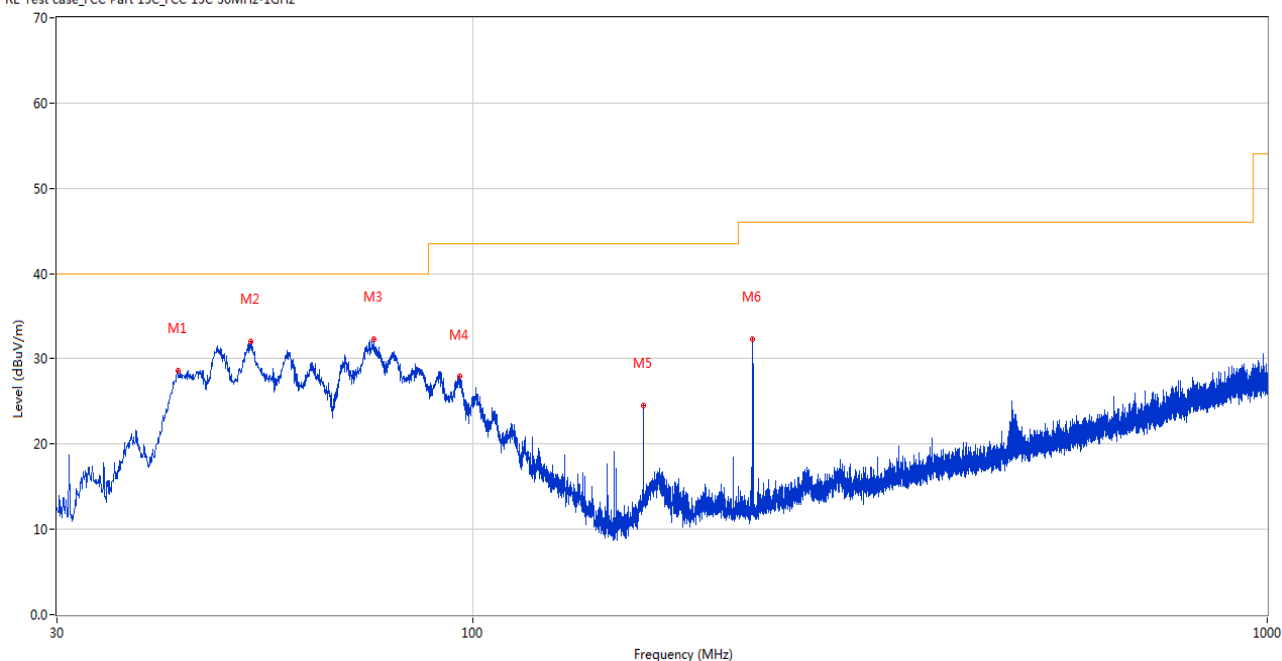


| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 47.800          | 17.17            | -22.69      | 40.0           | 22.83       | Peak     | 27.90          | 200         | Horizontal | Pass    |
| 2   | 58.324          | 17.99            | -24.08      | 40.0           | 22.01       | Peak     | 3.10           | 200         | Horizontal | Pass    |
| 3   | 79.907          | 17.57            | -28.46      | 40.0           | 22.43       | Peak     | 122.80         | 100         | Horizontal | Pass    |
| 4   | 288.457         | 23.01            | -21.95      | 46.0           | 22.99       | Peak     | 184.20         | 100         | Horizontal | Pass    |
| 5   | 479.158         | 30.80            | -16.98      | 46.0           | 15.20       | Peak     | 358.80         | 100         | Horizontal | Pass    |
| 6   | 727.527         | 27.47            | -12.44      | 46.0           | 18.53       | Peak     | 24.70          | 100         | Horizontal | Pass    |



## 30 MHz to 1 GHz, ANT V

RE Test case\_FCC Part 15C\_FCC 15C 30MHz-1GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 42.658          | 28.55            | -23.41      | 40.0           | 11.45       | Peak     | 181.00         | 100         | Vertical | Pass    |
| 2   | 52.601          | 32.00            | -23.07      | 40.0           | 8.00        | Peak     | 354.90         | 100         | Vertical | Pass    |
| 3   | 75.057          | 32.28            | -28.54      | 40.0           | 7.72        | Peak     | 66.90          | 200         | Vertical | Pass    |
| 4   | 96.251          | 27.89            | -24.76      | 43.5           | 15.61       | Peak     | 345.20         | 100         | Vertical | Pass    |
| 5   | 164.102         | 24.52            | -26.82      | 43.5           | 18.98       | Peak     | 348.40         | 200         | Vertical | Pass    |
| 6   | 224.824         | 32.25            | -23.80      | 46.0           | 13.75       | Peak     | 290.40         | 100         | Vertical | Pass    |

Note 1: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

Note 2: The spurious above 18G is noise only, do not show on the report.

Note 3: All antenna were tested, but only the worst case has been reported in this report.

Note 4: All the configurations were pre tested, only the worst configuration has been reported in this report.

#### 1 GHz to 18 GHz, ANT H 802.11b Low Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1200.600        | 40.67            | -17.73      | 74.0           | 33.33       | Peak     | 27.00          | 200         | Horizontal | Pass    |
| 1** | 1200.600        | 30.84            | -17.73      | 54.0           | 23.16       | AV       | 27.00          | 200         | Horizontal | Pass    |
| 2   | 2413.300        | 105.18           | -10.74      | 74.0           | -31.18      | Peak     | 297.00         | 150         | Horizontal | N/A     |
| 2** | 2413.300        | 102.22           | -10.74      | 54.0           | -48.22      | AV       | 297.00         | 150         | Horizontal | N/A     |
| 3   | 4935.000        | 51.35            | -2.12       | 74.0           | 22.65       | Peak     | 177.00         | 200         | Horizontal | Pass    |
| 3** | 4935.000        | 42.11            | -2.12       | 54.0           | 11.89       | AV       | 177.00         | 200         | Horizontal | Pass    |
| 4   | 6618.800        | 54.93            | 0.47        | 74.0           | 19.07       | Peak     | 86.00          | 100         | Horizontal | Pass    |
| 4** | 6618.800        | 45.16            | 0.47        | 54.0           | 8.84        | AV       | 86.00          | 100         | Horizontal | Pass    |
| 5   | 10925.237       | 49.70            | 0.15        | 74.0           | 24.30       | Peak     | 275.00         | 150         | Horizontal | Pass    |
| 5** | 10925.237       | 45.21            | 0.15        | 54.0           | 8.79        | AV       | 275.00         | 150         | Horizontal | Pass    |
| 6   | 13382.362       | 56.12            | 0.64        | 74.0           | 17.88       | Peak     | 19.00          | 150         | Horizontal | Pass    |
| 6** | 13382.362       | 46.30            | 0.64        | 54.0           | 7.70        | AV       | 19.00          | 150         | Horizontal | Pass    |

#### 1 GHz to 18 GHz, ANT V 802.11b Low Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1330.500        | 45.34            | -16.97      | 74.0           | 28.66       | Peak     | 14.00          | 400         | Vertical | Pass    |
| 1** | 1330.500        | 36.61            | -16.97      | 54.0           | 17.39       | AV       | 14.00          | 400         | Vertical | Pass    |
| 2   | 2413.200        | 100.62           | -10.74      | 74.0           | -26.62      | Peak     | 105.00         | 150         | Vertical | N/A     |
| 2** | 2413.200        | 97.81            | -10.74      | 54.0           | -43.81      | AV       | 105.00         | 150         | Vertical | N/A     |
| 3   | 4824.200        | 50.73            | -2.04       | 74.0           | 23.27       | Peak     | 71.00          | 150         | Vertical | Pass    |
| 3** | 4824.200        | 44.99            | -2.04       | 54.0           | 9.01        | AV       | 71.00          | 150         | Vertical | Pass    |
| 4   | 6806.200        | 54.60            | 2.26        | 74.0           | 19.40       | Peak     | 215.00         | 400         | Vertical | Pass    |
| 4** | 6806.200        | 45.61            | 2.26        | 54.0           | 8.39        | AV       | 215.00         | 400         | Vertical | Pass    |
| 5   | 13419.900       | 55.84            | 0.40        | 74.0           | 18.16       | Peak     | 53.00          | 150         | Vertical | Pass    |
| 5** | 13419.900       | 46.64            | 0.40        | 54.0           | 7.36        | AV       | 53.00          | 150         | Vertical | Pass    |
| 6   | 16179.826       | 56.06            | 1.50        | 74.0           | 17.94       | Peak     | 187.00         | 300         | Vertical | Pass    |
| 6** | 16179.826       | 46.31            | 1.50        | 54.0           | 7.69        | AV       | 187.00         | 300         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H 802.11b Middle Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1331.200        | 41.23            | -17.03      | 74.0           | 32.77       | Peak     | 173.00         | 100         | Horizontal | Pass    |
| 1** | 1331.200        | 31.12            | -17.03      | 54.0           | 22.88       | AV       | 173.00         | 100         | Horizontal | Pass    |
| 2   | 2438.200        | 103.77           | -12.20      | 74.0           | -29.77      | Peak     | 295.00         | 200         | Horizontal | N/A     |
| 2** | 2438.200        | 100.72           | -12.20      | 54.0           | -46.72      | AV       | 295.00         | 200         | Horizontal | N/A     |
| 3   | 4979.400        | 51.59            | -1.58       | 74.0           | 22.41       | Peak     | 143.00         | 150         | Horizontal | Pass    |
| 3** | 4979.400        | 42.51            | -1.58       | 54.0           | 11.49       | AV       | 143.00         | 150         | Horizontal | Pass    |
| 4   | 6611.800        | 54.31            | 0.60        | 74.0           | 19.69       | Peak     | 43.00          | 400         | Horizontal | Pass    |
| 4** | 6611.800        | 46.31            | 0.60        | 54.0           | 7.69        | AV       | 43.00          | 400         | Horizontal | Pass    |
| 5   | 10123.688       | 52.71            | -0.18       | 74.0           | 21.29       | Peak     | 344.00         | 150         | Horizontal | Pass    |
| 5** | 10123.688       | 41.80            | -0.18       | 54.0           | 12.20       | AV       | 344.00         | 150         | Horizontal | Pass    |
| 6   | 13411.763       | 56.87            | 0.47        | 74.0           | 17.13       | Peak     | 214.00         | 200         | Horizontal | Pass    |
| 6** | 13411.763       | 46.55            | 0.47        | 54.0           | 7.45        | AV       | 214.00         | 200         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11b Middle Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1329.300        | 46.50            | -17.04      | 74.0           | 27.50       | Peak     | 56.00          | 300         | Vertical | Pass    |
| 1** | 1329.300        | 36.41            | -17.04      | 54.0           | 17.59       | AV       | 56.00          | 300         | Vertical | Pass    |
| 2   | 2435.800        | 99.35            | -12.14      | 74.0           | -25.35      | Peak     | 104.00         | 100         | Vertical | N/A     |
| 2** | 2435.800        | 96.44            | -12.14      | 54.0           | -42.44      | AV       | 104.00         | 100         | Vertical | N/A     |
| 3   | 4874.000        | 50.92            | -2.66       | 74.0           | 23.08       | Peak     | 204.00         | 150         | Vertical | Pass    |
| 3** | 4874.000        | 45.71            | -2.66       | 54.0           | 8.29        | AV       | 204.00         | 150         | Vertical | Pass    |
| 4   | 4874.400        | 51.53            | -2.66       | 74.0           | 22.47       | Peak     | 106.00         | 100         | Vertical | Pass    |
| 4** | 4874.400        | 45.18            | -2.66       | 54.0           | 8.82        | AV       | 106.00         | 100         | Vertical | Pass    |
| 5   | 13433.550       | 55.95            | 0.41        | 74.0           | 18.05       | Peak     | 360.00         | 150         | Vertical | Pass    |
| 5** | 13433.550       | 46.57            | 0.41        | 54.0           | 7.43        | AV       | 360.00         | 150         | Vertical | Pass    |
| 6   | 17465.551       | 56.64            | 2.89        | 74.0           | 17.36       | Peak     | 180.00         | 100         | Vertical | Pass    |
| 6** | 17465.551       | 47.38            | 2.89        | 54.0           | 6.62        | AV       | 180.00         | 100         | Vertical | Pass    |



## 1 GHz to 18 GHz, ANT H 802.11b High Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1329.300        | 40.50            | -17.04      | 74.0           | 33.50       | Peak     | 123.00         | 300         | Horizontal | Pass    |
| 1** | 1329.300        | 32.87            | -17.04      | 54.0           | 21.13       | AV       | 123.00         | 300         | Horizontal | Pass    |
| 2   | 2460.800        | 101.67           | -12.05      | 74.0           | -27.67      | Peak     | 213.00         | 150         | Horizontal | N/A     |
| 2** | 2460.800        | 98.79            | -12.05      | 54.0           | -44.79      | AV       | 213.00         | 150         | Horizontal | N/A     |
| 3   | 4846.400        | 52.04            | -2.64       | 74.0           | 21.96       | Peak     | 252.00         | 100         | Horizontal | Pass    |
| 3** | 4846.400        | 42.47            | -2.64       | 54.0           | 11.53       | AV       | 252.00         | 100         | Horizontal | Pass    |
| 4   | 5877.800        | 54.42            | -0.69       | 74.0           | 19.58       | Peak     | 183.00         | 300         | Horizontal | Pass    |
| 4** | 5877.800        | 44.52            | -0.69       | 54.0           | 9.48        | AV       | 183.00         | 300         | Horizontal | Pass    |
| 5   | 13318.050       | 56.16            | 0.90        | 74.0           | 17.84       | Peak     | 137.00         | 100         | Horizontal | Pass    |
| 5** | 13318.050       | 46.29            | 0.90        | 54.0           | 7.71        | AV       | 137.00         | 100         | Horizontal | Pass    |
| 6   | 15565.575       | 55.32            | 1.35        | 74.0           | 18.68       | Peak     | 338.00         | 150         | Horizontal | Pass    |
| 6** | 15565.575       | 45.91            | 1.35        | 54.0           | 8.09        | AV       | 338.00         | 150         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11b High Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1328.600        | 45.49            | -17.09      | 74.0           | 28.51       | Peak     | 60.00          | 400         | Vertical | Pass    |
| 1** | 1328.600        | 35.97            | -17.09      | 54.0           | 18.03       | AV       | 60.00          | 400         | Vertical | Pass    |
| 2   | 2463.100        | 94.55            | -11.78      | 74.0           | -20.55      | Peak     | 107.00         | 150         | Vertical | N/A     |
| 2** | 2463.100        | 91.68            | -11.78      | 54.0           | -37.68      | AV       | 107.00         | 150         | Vertical | N/A     |
| 3   | 4941.000        | 51.69            | -1.98       | 74.0           | 22.31       | Peak     | 254.00         | 200         | Vertical | Pass    |
| 3** | 4941.000        | 43.09            | -1.98       | 54.0           | 10.91       | AV       | 254.00         | 200         | Vertical | Pass    |
| 4   | 6806.800        | 54.60            | 2.22        | 74.0           | 19.40       | Peak     | 328.00         | 400         | Vertical | Pass    |
| 4** | 6806.800        | 46.64            | 2.22        | 54.0           | 7.36        | AV       | 328.00         | 400         | Vertical | Pass    |
| 5   | 13414.912       | 55.71            | 0.42        | 74.0           | 18.29       | Peak     | 261.00         | 150         | Vertical | Pass    |
| 5** | 13414.912       | 46.57            | 0.42        | 54.0           | 7.43        | AV       | 261.00         | 150         | Vertical | Pass    |
| 6   | 15238.762       | 56.59            | 0.97        | 74.0           | 17.41       | Peak     | 360.00         | 300         | Vertical | Pass    |
| 6** | 15238.762       | 47.22            | 0.97        | 54.0           | 6.78        | AV       | 360.00         | 300         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H 802.11g Low Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1332.800        | 40.30            | -17.13      | 74.0           | 33.70       | Peak     | 179.00         | 200         | Horizontal | Pass    |
| 1** | 1332.800        | 31.20            | -17.13      | 54.0           | 22.80       | AV       | 179.00         | 200         | Horizontal | Pass    |
| 2   | 2413.900        | 104.81           | -10.77      | 74.0           | -30.81      | Peak     | 270.00         | 100         | Horizontal | N/A     |
| 2** | 2413.900        | 97.73            | -10.77      | 54.0           | -43.73      | AV       | 270.00         | 100         | Horizontal | N/A     |
| 3   | 4986.000        | 51.48            | -2.07       | 74.0           | 22.52       | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 3** | 4986.000        | 41.96            | -2.07       | 54.0           | 12.04       | AV       | 360.00         | 150         | Horizontal | Pass    |
| 4   | 6788.600        | 54.60            | 0.43        | 74.0           | 19.40       | Peak     | 201.00         | 100         | Horizontal | Pass    |
| 4** | 6788.600        | 46.31            | 0.43        | 54.0           | 7.69        | AV       | 201.00         | 100         | Horizontal | Pass    |
| 5   | 13411.500       | 56.22            | 0.48        | 74.0           | 17.78       | Peak     | 279.00         | 150         | Horizontal | Pass    |
| 5** | 13411.500       | 46.81            | 0.48        | 54.0           | 7.19        | AV       | 279.00         | 150         | Horizontal | Pass    |
| 6   | 17445.075       | 56.85            | 2.86        | 74.0           | 17.15       | Peak     | 159.00         | 200         | Horizontal | Pass    |
| 6** | 17445.075       | 47.29            | 2.86        | 54.0           | 6.71        | AV       | 159.00         | 200         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11g Low Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1332.400        | 47.37            | -17.12      | 74.0           | 26.63       | Peak     | 64.00          | 400         | Vertical | Pass    |
| 1** | 1332.400        | 35.81            | -17.12      | 54.0           | 18.19       | AV       | 64.00          | 400         | Vertical | Pass    |
| 2   | 2413.200        | 98.75            | -10.74      | 74.0           | -24.75      | Peak     | 112.00         | 100         | Vertical | N/A     |
| 2** | 2413.200        | 91.56            | -10.74      | 54.0           | -37.56      | AV       | 112.00         | 100         | Vertical | N/A     |
| 3   | 4811.200        | 51.12            | -2.15       | 74.0           | 22.88       | Peak     | 104.00         | 150         | Vertical | Pass    |
| 3** | 4811.200        | 41.49            | -2.15       | 54.0           | 12.51       | AV       | 104.00         | 150         | Vertical | Pass    |
| 4   | 6565.400        | 54.79            | -1.08       | 74.0           | 19.21       | Peak     | 18.00          | 200         | Vertical | Pass    |
| 4** | 6565.400        | 44.04            | -1.08       | 54.0           | 9.96        | AV       | 18.00          | 200         | Vertical | Pass    |
| 5   | 13318.838       | 55.55            | 0.90        | 74.0           | 18.45       | Peak     | 157.00         | 150         | Vertical | Pass    |
| 5** | 13318.838       | 46.60            | 0.90        | 54.0           | 7.40        | AV       | 157.00         | 150         | Vertical | Pass    |
| 6   | 17471.324       | 56.10            | 2.88        | 74.0           | 17.90       | Peak     | 254.00         | 300         | Vertical | Pass    |
| 6** | 17471.324       | 47.18            | 2.88        | 54.0           | 6.82        | AV       | 254.00         | 300         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H 802.11g Middle Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1330.300        | 43.39            | -16.99      | 74.0           | 30.61       | Peak     | 112.00         | 200         | Horizontal | Pass    |
| 1** | 1330.300        | 33.41            | -16.99      | 54.0           | 20.59       | AV       | 112.00         | 200         | Horizontal | Pass    |
| 2   | 2438.100        | 104.51           | -12.19      | 74.0           | -30.51      | Peak     | 233.00         | 150         | Horizontal | N/A     |
| 2** | 2438.100        | 97.52            | -12.19      | 54.0           | -43.52      | AV       | 233.00         | 150         | Horizontal | N/A     |
| 3   | 4982.600        | 52.13            | -1.63       | 74.0           | 21.87       | Peak     | 42.00          | 150         | Horizontal | Pass    |
| 3** | 4982.600        | 43.36            | -1.63       | 54.0           | 10.64       | AV       | 42.00          | 150         | Horizontal | Pass    |
| 4   | 6828.800        | 54.44            | 0.15        | 74.0           | 19.56       | Peak     | 20.00          | 200         | Horizontal | Pass    |
| 4** | 6828.800        | 44.33            | 0.15        | 54.0           | 9.67        | AV       | 20.00          | 200         | Horizontal | Pass    |
| 5   | 13311.750       | 55.94            | 0.87        | 74.0           | 18.06       | Peak     | 19.00          | 150         | Horizontal | Pass    |
| 5** | 13311.750       | 46.46            | 0.87        | 54.0           | 7.54        | AV       | 19.00          | 150         | Horizontal | Pass    |
| 6   | 16040.963       | 56.74            | 0.79        | 74.0           | 17.26       | Peak     | 328.00         | 200         | Horizontal | Pass    |
| 6** | 16040.963       | 46.95            | 0.79        | 54.0           | 7.05        | AV       | 328.00         | 200         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11g Middle Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1327.500        | 45.81            | -17.08      | 74.0           | 28.19       | Peak     | 68.00          | 300         | Vertical | Pass    |
| 1** | 1327.500        | 33.70            | -17.08      | 54.0           | 20.30       | AV       | 68.00          | 300         | Vertical | Pass    |
| 2   | 2438.300        | 99.19            | -12.22      | 74.0           | -25.19      | Peak     | 360.00         | 100         | Vertical | N/A     |
| 2** | 2438.300        | 91.97            | -12.22      | 54.0           | -37.97      | AV       | 360.00         | 100         | Vertical | N/A     |
| 3   | 4643.600        | 51.41            | -3.14       | 74.0           | 22.59       | Peak     | 244.00         | 200         | Vertical | Pass    |
| 3** | 4643.600        | 41.36            | -3.14       | 54.0           | 12.64       | AV       | 244.00         | 200         | Vertical | Pass    |
| 4   | 6808.600        | 54.62            | 1.64        | 74.0           | 19.38       | Peak     | 84.00          | 300         | Vertical | Pass    |
| 4** | 6808.600        | 45.75            | 1.64        | 54.0           | 8.25        | AV       | 84.00          | 300         | Vertical | Pass    |
| 5   | 13323.037       | 55.53            | 0.92        | 74.0           | 18.47       | Peak     | 0.00           | 150         | Vertical | Pass    |
| 5** | 13323.037       | 46.62            | 0.92        | 54.0           | 7.38        | AV       | 0.00           | 150         | Vertical | Pass    |
| 6   | 15850.387       | 55.61            | 1.32        | 74.0           | 18.39       | Peak     | 88.00          | 200         | Vertical | Pass    |
| 6** | 15850.387       | 46.07            | 1.32        | 54.0           | 7.93        | AV       | 88.00          | 200         | Vertical | Pass    |



## 1 GHz to 18 GHz, ANT H 802.11g High Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1330.000        | 41.10            | -17.00      | 74.0           | 32.90       | Peak     | 163.00         | 400         | Horizontal | Pass    |
| 1** | 1330.000        | 31.01            | -17.00      | 54.0           | 22.99       | AV       | 163.00         | 400         | Horizontal | Pass    |
| 2   | 2465.500        | 102.03           | -11.88      | 74.0           | -28.03      | Peak     | 214.00         | 100         | Horizontal | N/A     |
| 2** | 2465.500        | 94.22            | -11.88      | 54.0           | -40.22      | AV       | 214.00         | 100         | Horizontal | N/A     |
| 3   | 4994.800        | 51.94            | -2.52       | 74.0           | 22.06       | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 3** | 4994.800        | 42.39            | -2.52       | 54.0           | 11.61       | AV       | 360.00         | 150         | Horizontal | Pass    |
| 4   | 6626.600        | 54.59            | 0.24        | 74.0           | 19.41       | Peak     | 138.00         | 100         | Horizontal | Pass    |
| 4** | 6626.600        | 45.39            | 0.24        | 54.0           | 8.61        | AV       | 138.00         | 100         | Horizontal | Pass    |
| 5   | 13375.275       | 55.65            | 0.68        | 74.0           | 18.35       | Peak     | 186.00         | 150         | Horizontal | Pass    |
| 5** | 13375.275       | 45.93            | 0.68        | 54.0           | 8.07        | AV       | 186.00         | 150         | Horizontal | Pass    |
| 6   | 17436.412       | 57.07            | 3.20        | 74.0           | 16.93       | Peak     | 207.00         | 400         | Horizontal | Pass    |
| 6** | 17436.412       | 47.07            | 3.20        | 54.0           | 6.93        | AV       | 207.00         | 400         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11g High Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1331.600        | 43.69            | -17.06      | 74.0           | 30.31       | Peak     | 20.00          | 300         | Vertical | Pass    |
| 1** | 1331.600        | 34.26            | -17.06      | 54.0           | 19.74       | AV       | 20.00          | 300         | Vertical | Pass    |
| 2   | 2464.900        | 96.09            | -11.87      | 74.0           | -22.09      | Peak     | 108.00         | 200         | Vertical | N/A     |
| 2** | 2464.900        | 89.04            | -11.87      | 54.0           | -35.04      | AV       | 108.00         | 200         | Vertical | N/A     |
| 3   | 4525.000        | 51.17            | -3.33       | 74.0           | 22.83       | Peak     | 47.00          | 150         | Vertical | Pass    |
| 3** | 4525.000        | 40.01            | -3.33       | 54.0           | 13.99       | AV       | 47.00          | 150         | Vertical | Pass    |
| 4   | 6813.400        | 54.77            | 0.87        | 74.0           | 19.23       | Peak     | 84.00          | 400         | Vertical | Pass    |
| 4** | 6813.400        | 45.30            | 0.87        | 54.0           | 8.70        | AV       | 84.00          | 400         | Vertical | Pass    |
| 5   | 13312.800       | 55.71            | 0.87        | 74.0           | 18.29       | Peak     | 315.00         | 150         | Vertical | Pass    |
| 5** | 13312.800       | 46.76            | 0.87        | 54.0           | 7.24        | AV       | 315.00         | 150         | Vertical | Pass    |
| 6   | 17468.436       | 56.77            | 2.90        | 74.0           | 17.23       | Peak     | 178.00         | 100         | Vertical | Pass    |
| 6** | 17468.436       | 46.49            | 2.90        | 54.0           | 7.51        | AV       | 178.00         | 100         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H 802.11n20 Low Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1329.200        | 42.52            | -17.05      | 74.0           | 31.48       | Peak     | 163.00         | 100         | Horizontal | Pass    |
| 1** | 1329.200        | 34.92            | -17.05      | 54.0           | 19.08       | AV       | 163.00         | 100         | Horizontal | Pass    |
| 2   | 2413.400        | 105.07           | -10.75      | 74.0           | -31.07      | Peak     | 257.00         | 150         | Horizontal | N/A     |
| 2** | 2413.400        | 97.76            | -10.75      | 54.0           | -43.76      | AV       | 257.00         | 150         | Horizontal | N/A     |
| 3   | 4920.400        | 51.60            | -2.55       | 74.0           | 22.40       | Peak     | 281.00         | 150         | Horizontal | Pass    |
| 3** | 4920.400        | 41.98            | -2.55       | 54.0           | 12.02       | AV       | 281.00         | 150         | Horizontal | Pass    |
| 4   | 6807.800        | 54.21            | 1.89        | 74.0           | 19.79       | Peak     | 293.00         | 100         | Horizontal | Pass    |
| 4** | 6807.800        | 46.22            | 1.89        | 54.0           | 7.78        | AV       | 293.00         | 100         | Horizontal | Pass    |
| 5   | 13329.338       | 55.43            | 0.93        | 74.0           | 18.57       | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 5** | 13329.338       | 47.26            | 0.93        | 54.0           | 6.74        | AV       | 360.00         | 150         | Horizontal | Pass    |
| 6   | 15797.363       | 56.59            | 2.25        | 74.0           | 17.41       | Peak     | 360.00         | 100         | Horizontal | Pass    |
| 6** | 15797.363       | 46.01            | 2.25        | 54.0           | 7.99        | AV       | 360.00         | 100         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11n20 Low Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1328.300        | 45.36            | -17.10      | 74.0           | 28.64       | Peak     | 69.00          | 300         | Vertical | Pass    |
| 1** | 1328.300        | 36.80            | -17.10      | 54.0           | 17.20       | AV       | 69.00          | 300         | Vertical | Pass    |
| 2   | 2412.900        | 100.27           | -10.72      | 74.0           | -26.27      | Peak     | 102.00         | 200         | Vertical | N/A     |
| 2** | 2412.900        | 92.81            | -10.72      | 54.0           | -38.81      | AV       | 102.00         | 200         | Vertical | N/A     |
| 3   | 4977.400        | 51.46            | -1.73       | 74.0           | 22.54       | Peak     | 0.00           | 100         | Vertical | Pass    |
| 3** | 4977.400        | 42.74            | -1.73       | 54.0           | 11.26       | AV       | 0.00           | 100         | Vertical | Pass    |
| 4   | 6627.800        | 55.36            | 0.15        | 74.0           | 18.64       | Peak     | 202.00         | 400         | Vertical | Pass    |
| 4** | 6627.800        | 46.31            | 0.15        | 54.0           | 7.69        | AV       | 202.00         | 400         | Vertical | Pass    |
| 5   | 13318.575       | 55.53            | 0.90        | 74.0           | 18.47       | Peak     | 120.00         | 150         | Vertical | Pass    |
| 5** | 13318.575       | 46.66            | 0.90        | 54.0           | 7.34        | AV       | 120.00         | 150         | Vertical | Pass    |
| 6   | 17436.412       | 56.35            | 3.20        | 74.0           | 17.65       | Peak     | 141.00         | 300         | Vertical | Pass    |
| 6** | 17436.412       | 46.57            | 3.20        | 54.0           | 7.43        | AV       | 141.00         | 300         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H 802.11n20 Middle Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1328.700        | 43.24            | -17.08      | 74.0           | 30.76       | Peak     | 113.00         | 300         | Horizontal | Pass    |
| 1** | 1328.700        | 32.56            | -17.08      | 54.0           | 21.44       | AV       | 113.00         | 300         | Horizontal | Pass    |
| 2   | 2438.200        | 104.85           | -12.20      | 74.0           | -30.85      | Peak     | 220.00         | 150         | Horizontal | N/A     |
| 2** | 2438.200        | 97.21            | -12.20      | 54.0           | -43.21      | AV       | 220.00         | 150         | Horizontal | N/A     |
| 3   | 4886.600        | 51.95            | -2.68       | 74.0           | 22.05       | Peak     | 200.00         | 150         | Horizontal | Pass    |
| 3** | 4886.600        | 41.71            | -2.68       | 54.0           | 12.29       | AV       | 200.00         | 150         | Horizontal | Pass    |
| 4   | 6804.800        | 54.99            | 1.81        | 74.0           | 19.01       | Peak     | 55.00          | 300         | Horizontal | Pass    |
| 4** | 6804.800        | 46.03            | 1.81        | 54.0           | 7.97        | AV       | 55.00          | 300         | Horizontal | Pass    |
| 5   | 13289.175       | 55.66            | 0.78        | 74.0           | 18.34       | Peak     | 216.00         | 150         | Horizontal | Pass    |
| 5** | 13289.175       | 47.33            | 0.78        | 54.0           | 6.67        | AV       | 216.00         | 150         | Horizontal | Pass    |
| 6   | 17428.275       | 56.64            | 3.51        | 74.0           | 17.36       | Peak     | 173.00         | 300         | Horizontal | Pass    |
| 6** | 17428.275       | 47.67            | 3.51        | 54.0           | 6.33        | AV       | 173.00         | 300         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11n20 Middle Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1163.300        | 46.94            | -17.59      | 74.0           | 27.06       | Peak     | 63.00          | 200         | Vertical | Pass    |
| 1** | 1163.300        | 30.62            | -17.59      | 54.0           | 23.38       | AV       | 63.00          | 200         | Vertical | Pass    |
| 2   | 2438.300        | 99.98            | -12.22      | 74.0           | -25.98      | Peak     | 109.00         | 150         | Vertical | N/A     |
| 2** | 2438.300        | 92.46            | -12.22      | 54.0           | -38.46      | AV       | 109.00         | 150         | Vertical | N/A     |
| 3   | 4858.000        | 51.81            | -2.73       | 74.0           | 22.19       | Peak     | 356.00         | 200         | Vertical | Pass    |
| 3** | 4858.000        | 42.18            | -2.73       | 54.0           | 11.82       | AV       | 356.00         | 200         | Vertical | Pass    |
| 4   | 6843.200        | 54.54            | 0.84        | 74.0           | 19.46       | Peak     | 281.00         | 300         | Vertical | Pass    |
| 4** | 6843.200        | 44.69            | 0.84        | 54.0           | 9.31        | AV       | 281.00         | 300         | Vertical | Pass    |
| 5   | 13329.338       | 56.26            | 0.93        | 74.0           | 17.74       | Peak     | 41.00          | 150         | Vertical | Pass    |
| 5** | 13329.338       | 46.38            | 0.93        | 54.0           | 7.62        | AV       | 41.00          | 150         | Vertical | Pass    |
| 6   | 15664.538       | 56.74            | 1.33        | 74.0           | 17.26       | Peak     | 360.00         | 400         | Vertical | Pass    |
| 6** | 15664.538       | 47.43            | 1.33        | 54.0           | 6.57        | AV       | 360.00         | 400         | Vertical | Pass    |



## 1 GHz to 18 GHz, ANT H 802.11n20 High Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1484.300        | 40.45            | -16.82      | 74.0           | 33.55       | Peak     | 122.00         | 200         | Horizontal | Pass    |
| 1** | 1484.300        | 30.19            | -16.82      | 54.0           | 23.81       | AV       | 122.00         | 200         | Horizontal | Pass    |
| 2   | 2463.300        | 101.41           | -11.79      | 74.0           | -27.41      | Peak     | 258.00         | 200         | Horizontal | N/A     |
| 2** | 2463.300        | 94.31            | -11.79      | 54.0           | -40.31      | AV       | 258.00         | 200         | Horizontal | N/A     |
| 3   | 4972.000        | 51.88            | -1.60       | 74.0           | 22.12       | Peak     | 217.00         | 150         | Horizontal | Pass    |
| 3** | 4972.000        | 42.71            | -1.60       | 54.0           | 11.29       | AV       | 217.00         | 150         | Horizontal | Pass    |
| 4   | 6627.200        | 55.02            | 0.20        | 74.0           | 18.98       | Peak     | 316.00         | 400         | Horizontal | Pass    |
| 4** | 6627.200        | 44.78            | 0.20        | 54.0           | 9.22        | AV       | 316.00         | 400         | Horizontal | Pass    |
| 5   | 13426.987       | 56.08            | 0.40        | 74.0           | 17.92       | Peak     | 348.00         | 150         | Horizontal | Pass    |
| 5** | 13426.987       | 46.95            | 0.40        | 54.0           | 7.05        | AV       | 348.00         | 150         | Horizontal | Pass    |
| 6   | 15802.875       | 56.54            | 2.30        | 74.0           | 17.46       | Peak     | 360.00         | 300         | Horizontal | Pass    |
| 6** | 15802.875       | 46.99            | 2.30        | 54.0           | 7.01        | AV       | 360.00         | 300         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11n20 High Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1327.300        | 46.00            | -17.07      | 74.0           | 28.00       | Peak     | 81.00          | 400         | Vertical | Pass    |
| 1** | 1327.300        | 33.10            | -17.07      | 54.0           | 20.90       | AV       | 81.00          | 400         | Vertical | Pass    |
| 2   | 2469.000        | 95.63            | -11.69      | 74.0           | -21.63      | Peak     | 113.00         | 100         | Vertical | N/A     |
| 2** | 2469.000        | 87.95            | -11.69      | 54.0           | -33.95      | AV       | 113.00         | 100         | Vertical | N/A     |
| 3   | 4504.800        | 50.52            | -2.95       | 74.0           | 23.48       | Peak     | 8.00           | 150         | Vertical | Pass    |
| 3** | 4504.800        | 40.85            | -2.95       | 54.0           | 13.15       | AV       | 8.00           | 150         | Vertical | Pass    |
| 4   | 6806.600        | 55.12            | 2.28        | 74.0           | 18.88       | Peak     | 294.00         | 100         | Vertical | Pass    |
| 4** | 6806.600        | 46.99            | 2.28        | 54.0           | 7.01        | AV       | 294.00         | 100         | Vertical | Pass    |
| 5   | 13328.550       | 55.17            | 0.93        | 74.0           | 18.83       | Peak     | 360.00         | 150         | Vertical | Pass    |
| 5** | 13328.550       | 47.79            | 0.93        | 54.0           | 6.21        | AV       | 360.00         | 150         | Vertical | Pass    |
| 6   | 17416.989       | 56.30            | 3.69        | 74.0           | 17.70       | Peak     | 121.00         | 400         | Vertical | Pass    |
| 6** | 17416.989       | 47.04            | 3.69        | 54.0           | 6.96        | AV       | 121.00         | 400         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H 802.11n40 Low Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1332.800        | 41.06            | -17.13      | 74.0           | 32.94       | Peak     | 182.00         | 100         | Horizontal | Pass    |
| 1** | 1332.800        | 31.07            | -17.13      | 54.0           | 22.93       | AV       | 182.00         | 100         | Horizontal | Pass    |
| 2   | 2414.500        | 102.33           | -10.88      | 74.0           | -28.33      | Peak     | 293.00         | 200         | Horizontal | N/A     |
| 2** | 2414.500        | 94.67            | -10.88      | 54.0           | -40.67      | AV       | 293.00         | 200         | Horizontal | N/A     |
| 3   | 4841.000        | 51.60            | -2.72       | 74.0           | 22.40       | Peak     | 284.00         | 150         | Horizontal | Pass    |
| 3** | 4841.000        | 41.75            | -2.72       | 54.0           | 12.25       | AV       | 284.00         | 150         | Horizontal | Pass    |
| 4   | 6789.600        | 55.04            | 0.65        | 74.0           | 18.96       | Peak     | 73.00          | 200         | Horizontal | Pass    |
| 4** | 6789.600        | 45.38            | 0.65        | 54.0           | 8.62        | AV       | 73.00          | 200         | Horizontal | Pass    |
| 5   | 13412.025       | 55.89            | 0.47        | 74.0           | 18.11       | Peak     | 261.00         | 150         | Horizontal | Pass    |
| 5** | 13412.025       | 46.67            | 0.47        | 54.0           | 7.33        | AV       | 261.00         | 150         | Horizontal | Pass    |
| 6   | 15560.063       | 56.11            | 1.09        | 74.0           | 17.89       | Peak     | 360.00         | 300         | Horizontal | Pass    |
| 6** | 15560.063       | 45.30            | 1.09        | 54.0           | 8.70        | AV       | 360.00         | 300         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11n40 Low Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1161.600        | 43.69            | -17.66      | 74.0           | 30.31       | Peak     | 32.00          | 400         | Vertical | Pass    |
| 1** | 1161.600        | 34.73            | -17.66      | 54.0           | 19.27       | AV       | 32.00          | 400         | Vertical | Pass    |
| 2   | 2415.000        | 96.92            | -11.05      | 74.0           | -22.92      | Peak     | 110.00         | 200         | Vertical | N/A     |
| 2** | 2415.000        | 89.55            | -11.05      | 54.0           | -35.55      | AV       | 110.00         | 200         | Vertical | N/A     |
| 3   | 4990.200        | 51.59            | -2.53       | 74.0           | 22.41       | Peak     | 224.00         | 150         | Vertical | Pass    |
| 3** | 4990.200        | 42.27            | -2.53       | 54.0           | 11.73       | AV       | 224.00         | 150         | Vertical | Pass    |
| 4   | 6806.600        | 54.78            | 2.28        | 74.0           | 19.22       | Peak     | 298.00         | 300         | Vertical | Pass    |
| 4** | 6806.600        | 46.27            | 2.28        | 54.0           | 7.73        | AV       | 298.00         | 300         | Vertical | Pass    |
| 5   | 13296.525       | 55.79            | 0.84        | 74.0           | 18.21       | Peak     | 69.00          | 150         | Vertical | Pass    |
| 5** | 13296.525       | 45.80            | 0.84        | 54.0           | 8.20        | AV       | 69.00          | 150         | Vertical | Pass    |
| 6   | 16085.588       | 56.28            | 1.52        | 74.0           | 17.72       | Peak     | 45.00          | 100         | Vertical | Pass    |
| 6** | 16085.588       | 46.37            | 1.52        | 54.0           | 7.63        | AV       | 45.00          | 100         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H 802.11n40 Middle Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1332.900        | 41.97            | -17.13      | 74.0           | 32.03       | Peak     | 173.00         | 400         | Horizontal | Pass    |
| 1** | 1332.900        | 31.30            | -17.13      | 54.0           | 22.70       | AV       | 173.00         | 400         | Horizontal | Pass    |
| 2   | 2444.300        | 101.52           | -12.48      | 74.0           | -27.52      | Peak     | 216.00         | 150         | Horizontal | N/A     |
| 2** | 2444.300        | 94.64            | -12.48      | 54.0           | -40.64      | AV       | 216.00         | 150         | Horizontal | N/A     |
| 3   | 4665.600        | 51.71            | -2.48       | 74.0           | 22.29       | Peak     | 356.00         | 150         | Horizontal | Pass    |
| 3** | 4665.600        | 41.14            | -2.48       | 54.0           | 12.86       | AV       | 356.00         | 150         | Horizontal | Pass    |
| 4   | 6665.200        | 54.69            | -0.38       | 74.0           | 19.31       | Peak     | 198.00         | 400         | Horizontal | Pass    |
| 4** | 6665.200        | 44.00            | -0.38       | 54.0           | 10.00       | AV       | 198.00         | 400         | Horizontal | Pass    |
| 5   | 13384.200       | 55.34            | 0.63        | 74.0           | 18.66       | Peak     | 56.00          | 150         | Horizontal | Pass    |
| 5** | 13384.200       | 45.58            | 0.63        | 54.0           | 8.42        | AV       | 56.00          | 150         | Horizontal | Pass    |
| 6   | 17178.375       | 56.54            | 0.62        | 74.0           | 17.46       | Peak     | 88.00          | 100         | Horizontal | Pass    |
| 6** | 17178.375       | 47.20            | 0.62        | 54.0           | 6.80        | AV       | 88.00          | 100         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11n40 Middle Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1333.600        | 46.20            | -17.11      | 74.0           | 27.80       | Peak     | 47.00          | 100         | Vertical | Pass    |
| 1** | 1333.600        | 33.09            | -17.11      | 54.0           | 20.91       | AV       | 47.00          | 100         | Vertical | Pass    |
| 2   | 2438.500        | 96.11            | -12.24      | 74.0           | -22.11      | Peak     | 113.00         | 150         | Vertical | N/A     |
| 2** | 2438.500        | 88.27            | -12.24      | 54.0           | -34.27      | AV       | 113.00         | 150         | Vertical | N/A     |
| 3   | 4387.600        | 50.59            | -3.37       | 74.0           | 23.41       | Peak     | 80.00          | 150         | Vertical | Pass    |
| 3** | 4387.600        | 40.55            | -3.37       | 54.0           | 13.45       | AV       | 80.00          | 150         | Vertical | Pass    |
| 4   | 6150.200        | 54.97            | -0.02       | 74.0           | 19.03       | Peak     | 105.00         | 200         | Vertical | Pass    |
| 4** | 6150.200        | 44.31            | -0.02       | 54.0           | 9.69        | AV       | 105.00         | 200         | Vertical | Pass    |
| 5   | 13314.900       | 55.13            | 0.88        | 74.0           | 18.87       | Peak     | 148.00         | 150         | Vertical | Pass    |
| 5** | 13314.900       | 47.19            | 0.88        | 54.0           | 6.81        | AV       | 148.00         | 150         | Vertical | Pass    |
| 6   | 17418.824       | 56.96            | 3.73        | 74.0           | 17.04       | Peak     | 348.00         | 300         | Vertical | Pass    |
| 6** | 17418.824       | 47.41            | 3.73        | 54.0           | 6.59        | AV       | 348.00         | 300         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H 802.11n40 High Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1327.900        | 42.57            | -17.09      | 74.0           | 31.43       | Peak     | 122.00         | 100         | Horizontal | Pass    |
| 1** | 1327.900        | 29.51            | -17.09      | 54.0           | 24.49       | AV       | 122.00         | 100         | Horizontal | Pass    |
| 2   | 2448.400        | 102.23           | -12.26      | 74.0           | -28.23      | Peak     | 218.00         | 150         | Horizontal | N/A     |
| 2** | 2448.400        | 94.96            | -12.26      | 54.0           | -40.96      | AV       | 218.00         | 150         | Horizontal | N/A     |
| 3   | 4574.000        | 50.94            | -3.77       | 74.0           | 23.06       | Peak     | 305.00         | 150         | Horizontal | Pass    |
| 3** | 4574.000        | 40.41            | -3.77       | 54.0           | 13.59       | AV       | 305.00         | 150         | Horizontal | Pass    |
| 4   | 6653.200        | 54.94            | -0.47       | 74.0           | 19.06       | Peak     | 170.00         | 400         | Horizontal | Pass    |
| 4** | 6653.200        | 44.75            | -0.47       | 54.0           | 9.25        | AV       | 170.00         | 400         | Horizontal | Pass    |
| 5   | 13320.674       | 56.32            | 0.91        | 74.0           | 17.68       | Peak     | 192.00         | 150         | Horizontal | Pass    |
| 5** | 13320.674       | 46.89            | 0.91        | 54.0           | 7.11        | AV       | 192.00         | 150         | Horizontal | Pass    |
| 6   | 17474.474       | 56.38            | 2.83        | 74.0           | 17.62       | Peak     | 297.00         | 400         | Horizontal | Pass    |
| 6** | 17474.474       | 47.07            | 2.83        | 54.0           | 6.93        | AV       | 297.00         | 400         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11n40 High Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1164.000        | 44.62            | -17.58      | 74.0           | 29.38       | Peak     | 63.00          | 300         | Vertical | Pass    |
| 1** | 1164.000        | 31.98            | -17.58      | 54.0           | 22.02       | AV       | 63.00          | 300         | Vertical | Pass    |
| 2   | 2446.800        | 95.93            | -12.53      | 74.0           | -21.93      | Peak     | 360.00         | 200         | Vertical | N/A     |
| 2** | 2446.800        | 88.81            | -12.53      | 54.0           | -34.81      | AV       | 360.00         | 200         | Vertical | N/A     |
| 3   | 5099.800        | 52.49            | -1.98       | 74.0           | 21.51       | Peak     | 157.00         | 150         | Vertical | Pass    |
| 3** | 5099.800        | 43.16            | -1.98       | 54.0           | 10.84       | AV       | 157.00         | 150         | Vertical | Pass    |
| 4   | 6583.200        | 54.65            | -1.21       | 74.0           | 19.35       | Peak     | 231.00         | 200         | Vertical | Pass    |
| 4** | 6583.200        | 44.33            | -1.21       | 54.0           | 9.67        | AV       | 231.00         | 200         | Vertical | Pass    |
| 5   | 13299.675       | 55.78            | 0.86        | 74.0           | 18.22       | Peak     | 328.00         | 150         | Vertical | Pass    |
| 5** | 13299.675       | 46.75            | 0.86        | 54.0           | 7.25        | AV       | 328.00         | 150         | Vertical | Pass    |
| 6   | 15848.025       | 56.51            | 1.35        | 74.0           | 17.49       | Peak     | 257.00         | 100         | Vertical | Pass    |
| 6** | 15848.025       | 47.48            | 1.35        | 54.0           | 6.52        | AV       | 257.00         | 100         | Vertical | Pass    |



## 1 GHz to 18 GHz, ANT H 802.11ax20(SU) Low Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1331.400        | 43.67            | -17.04      | 74.0           | 30.33       | Peak     | 166.00         | 300         | Horizontal | Pass    |
| 1** | 1331.400        | 30.44            | -17.04      | 54.0           | 23.56       | AV       | 166.00         | 300         | Horizontal | Pass    |
| 2   | 2410.800        | 106.26           | -10.57      | 74.0           | -32.26      | Peak     | 245.00         | 100         | Horizontal | N/A     |
| 2** | 2410.800        | 97.84            | -10.57      | 54.0           | -43.84      | AV       | 245.00         | 100         | Horizontal | N/A     |
| 3   | 4829.400        | 51.72            | -2.54       | 74.0           | 22.28       | Peak     | 200.00         | 200         | Horizontal | Pass    |
| 3** | 4829.400        | 42.30            | -2.54       | 54.0           | 11.70       | AV       | 200.00         | 200         | Horizontal | Pass    |
| 4   | 6569.000        | 54.38            | -1.18       | 74.0           | 19.62       | Peak     | 360.00         | 100         | Horizontal | Pass    |
| 4** | 6569.000        | 44.62            | -1.18       | 54.0           | 9.38        | AV       | 360.00         | 100         | Horizontal | Pass    |
| 5   | 13437.750       | 55.66            | 0.45        | 74.0           | 18.34       | Peak     | 311.00         | 150         | Horizontal | Pass    |
| 5** | 13437.750       | 46.71            | 0.45        | 54.0           | 7.29        | AV       | 311.00         | 150         | Horizontal | Pass    |
| 6   | 17189.136       | 56.41            | 0.37        | 74.0           | 17.59       | Peak     | 99.00          | 200         | Horizontal | Pass    |
| 6** | 17189.136       | 47.89            | 0.37        | 54.0           | 6.11        | AV       | 99.00          | 200         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V802.11ax20(SU) Low Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1034.600        | 48.04            | -17.73      | 74.0           | 25.96       | Peak     | 261.00         | 200         | Vertical | Pass    |
| 1** | 1034.600        | 34.92            | -17.73      | 54.0           | 19.08       | AV       | 261.00         | 200         | Vertical | Pass    |
| 2   | 2413.600        | 100.01           | -10.75      | 74.0           | -26.01      | Peak     | 110.00         | 200         | Vertical | N/A     |
| 2** | 2413.600        | 92.49            | -10.75      | 54.0           | -38.49      | AV       | 110.00         | 200         | Vertical | N/A     |
| 3   | 4844.800        | 51.72            | -2.58       | 74.0           | 22.28       | Peak     | 313.00         | 100         | Vertical | Pass    |
| 3** | 4844.800        | 42.39            | -2.58       | 54.0           | 11.61       | AV       | 313.00         | 100         | Vertical | Pass    |
| 4   | 6806.200        | 54.53            | 2.26        | 74.0           | 19.47       | Peak     | 68.00          | 100         | Vertical | Pass    |
| 4** | 6806.200        | 46.10            | 2.26        | 54.0           | 7.90        | AV       | 68.00          | 100         | Vertical | Pass    |
| 5   | 13299.675       | 56.31            | 0.86        | 74.0           | 17.69       | Peak     | 185.00         | 150         | Vertical | Pass    |
| 5** | 13299.675       | 46.30            | 0.86        | 54.0           | 7.70        | AV       | 185.00         | 150         | Vertical | Pass    |
| 6   | 17459.775       | 56.70            | 2.84        | 74.0           | 17.30       | Peak     | 316.00         | 300         | Vertical | Pass    |
| 6** | 17459.775       | 46.95            | 2.84        | 54.0           | 7.05        | AV       | 316.00         | 300         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H 802.11ax20(SU) Middle Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1328.900        | 42.22            | -17.07      | 74.0           | 31.78       | Peak     | 163.00         | 100         | Horizontal | Pass    |
| 1** | 1328.900        | 31.44            | -17.07      | 54.0           | 22.56       | AV       | 163.00         | 100         | Horizontal | Pass    |
| 2   | 2443.500        | 105.51           | -12.43      | 74.0           | -31.51      | Peak     | 222.00         | 150         | Horizontal | N/A     |
| 2** | 2443.500        | 97.02            | -12.43      | 54.0           | -43.02      | AV       | 222.00         | 150         | Horizontal | N/A     |
| 3   | 4803.400        | 51.85            | -2.91       | 74.0           | 22.15       | Peak     | 57.00          | 150         | Horizontal | Pass    |
| 3** | 4803.400        | 42.51            | -2.91       | 54.0           | 11.49       | AV       | 57.00          | 150         | Horizontal | Pass    |
| 4   | 5964.200        | 54.71            | -0.42       | 74.0           | 19.29       | Peak     | 72.00          | 300         | Horizontal | Pass    |
| 4** | 5964.200        | 44.61            | -0.42       | 54.0           | 9.39        | AV       | 72.00          | 300         | Horizontal | Pass    |
| 5   | 13399.950       | 56.12            | 0.53        | 74.0           | 17.88       | Peak     | 19.00          | 150         | Horizontal | Pass    |
| 5** | 13399.950       | 46.46            | 0.53        | 54.0           | 7.54        | AV       | 19.00          | 150         | Horizontal | Pass    |
| 6   | 16111.575       | 56.58            | 0.74        | 74.0           | 17.42       | Peak     | 279.00         | 400         | Horizontal | Pass    |
| 6** | 16111.575       | 46.09            | 0.74        | 54.0           | 7.91        | AV       | 279.00         | 400         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11ax20(SU) Middle Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1328.200        | 46.48            | -17.09      | 74.0           | 27.52       | Peak     | 117.00         | 300         | Vertical | Pass    |
| 1** | 1328.200        | 38.20            | -17.09      | 54.0           | 15.80       | AV       | 117.00         | 300         | Vertical | Pass    |
| 2   | 2440.300        | 101.14           | -12.39      | 74.0           | -27.14      | Peak     | 111.00         | 200         | Vertical | N/A     |
| 2** | 2440.300        | 91.77            | -12.39      | 54.0           | -37.77      | AV       | 111.00         | 200         | Vertical | N/A     |
| 3   | 4973.000        | 51.64            | -1.64       | 74.0           | 22.36       | Peak     | 7.00           | 100         | Vertical | Pass    |
| 3** | 4973.000        | 42.23            | -1.64       | 54.0           | 11.77       | AV       | 7.00           | 100         | Vertical | Pass    |
| 4   | 6806.800        | 55.61            | 2.22        | 74.0           | 18.39       | Peak     | 64.00          | 300         | Vertical | Pass    |
| 4** | 6806.800        | 46.32            | 2.22        | 54.0           | 7.68        | AV       | 64.00          | 300         | Vertical | Pass    |
| 5   | 13413.862       | 55.56            | 0.43        | 74.0           | 18.44       | Peak     | 0.00           | 150         | Vertical | Pass    |
| 5** | 13413.862       | 46.73            | 0.43        | 54.0           | 7.27        | AV       | 0.00           | 150         | Vertical | Pass    |
| 6   | 17470.276       | 56.32            | 2.90        | 74.0           | 17.68       | Peak     | 98.00          | 400         | Vertical | Pass    |
| 6** | 17470.276       | 46.84            | 2.90        | 54.0           | 7.16        | AV       | 98.00          | 400         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H802.11ax20(SU) High Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1329.500        | 43.00            | -17.03      | 74.0           | 31.00       | Peak     | 113.00         | 200         | Horizontal | Pass    |
| 1** | 1329.500        | 31.08            | -17.03      | 54.0           | 22.92       | AV       | 113.00         | 200         | Horizontal | Pass    |
| 2   | 2461.000        | 102.64           | -12.06      | 74.0           | -28.64      | Peak     | 302.00         | 200         | Horizontal | N/A     |
| 2** | 2461.000        | 93.31            | -12.06      | 54.0           | -39.31      | AV       | 302.00         | 200         | Horizontal | N/A     |
| 3   | 4975.800        | 51.85            | -1.82       | 74.0           | 22.15       | Peak     | 81.00          | 150         | Horizontal | Pass    |
| 3** | 4975.800        | 42.12            | -1.82       | 54.0           | 11.88       | AV       | 81.00          | 150         | Horizontal | Pass    |
| 4   | 6635.800        | 54.76            | -0.73       | 74.0           | 19.24       | Peak     | 81.00          | 300         | Horizontal | Pass    |
| 4** | 6635.800        | 43.89            | -0.73       | 54.0           | 10.11       | AV       | 81.00          | 300         | Horizontal | Pass    |
| 5   | 13314.638       | 56.06            | 0.88        | 74.0           | 17.94       | Peak     | 201.00         | 150         | Horizontal | Pass    |
| 5** | 13314.638       | 46.67            | 0.88        | 54.0           | 7.33        | AV       | 201.00         | 150         | Horizontal | Pass    |
| 6   | 17471.588       | 56.53            | 2.88        | 74.0           | 17.47       | Peak     | 201.00         | 200         | Horizontal | Pass    |
| 6** | 17471.588       | 47.46            | 2.88        | 54.0           | 6.54        | AV       | 201.00         | 200         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11ax20(SU) High Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1328.200        | 45.13            | -17.09      | 74.0           | 28.87       | Peak     | 42.00          | 200         | Vertical | Pass    |
| 1** | 1328.200        | 36.27            | -17.09      | 54.0           | 17.73       | AV       | 42.00          | 200         | Vertical | Pass    |
| 2   | 2469.100        | 97.70            | -11.68      | 74.0           | -23.70      | Peak     | 109.00         | 150         | Vertical | N/A     |
| 2** | 2469.100        | 88.16            | -11.68      | 54.0           | -34.16      | AV       | 109.00         | 150         | Vertical | N/A     |
| 3   | 5391.600        | 53.57            | -1.95       | 74.0           | 20.43       | Peak     | 194.00         | 150         | Vertical | Pass    |
| 3** | 5391.600        | 44.71            | -1.95       | 54.0           | 9.29        | AV       | 194.00         | 150         | Vertical | Pass    |
| 4   | 6842.400        | 54.99            | 0.97        | 74.0           | 19.01       | Peak     | 205.00         | 400         | Vertical | Pass    |
| 4** | 6842.400        | 45.58            | 0.97        | 54.0           | 8.42        | AV       | 205.00         | 400         | Vertical | Pass    |
| 5   | 13431.187       | 55.92            | 0.40        | 74.0           | 18.08       | Peak     | 129.00         | 150         | Vertical | Pass    |
| 5** | 13431.187       | 46.80            | 0.40        | 54.0           | 7.20        | AV       | 129.00         | 150         | Vertical | Pass    |
| 6   | 17391.788       | 56.07            | 2.92        | 74.0           | 17.93       | Peak     | 300.00         | 150         | Vertical | Pass    |
| 6** | 17391.788       | 46.84            | 2.92        | 54.0           | 7.16        | AV       | 300.00         | 150         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H 802.11ax40(SU) Low Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1333.500        | 41.81            | -17.11      | 74.0           | 32.19       | Peak     | 174.00         | 200         | Horizontal | Pass    |
| 1** | 1333.500        | 29.93            | -17.11      | 54.0           | 24.07       | AV       | 174.00         | 200         | Horizontal | Pass    |
| 2   | 2414.400        | 103.25           | -10.85      | 74.0           | -29.25      | Peak     | 247.00         | 100         | Horizontal | N/A     |
| 2** | 2414.400        | 93.75            | -10.85      | 54.0           | -39.75      | AV       | 247.00         | 100         | Horizontal | N/A     |
| 3   | 4807.200        | 51.55            | -2.34       | 74.0           | 22.45       | Peak     | 155.00         | 150         | Horizontal | Pass    |
| 3** | 4807.200        | 42.14            | -2.34       | 54.0           | 11.86       | AV       | 155.00         | 150         | Horizontal | Pass    |
| 4   | 6611.800        | 54.74            | 0.60        | 74.0           | 19.26       | Peak     | 121.00         | 300         | Horizontal | Pass    |
| 4** | 6611.800        | 45.53            | 0.60        | 54.0           | 8.47        | AV       | 121.00         | 300         | Horizontal | Pass    |
| 5   | 10501.175       | 51.60            | -0.88       | 74.0           | 22.40       | Peak     | 64.00          | 150         | Horizontal | Pass    |
| 5** | 10501.175       | 42.08            | -0.88       | 54.0           | 11.92       | AV       | 64.00          | 150         | Horizontal | Pass    |
| 6   | 13424.625       | 56.72            | 0.40        | 74.0           | 17.28       | Peak     | 228.00         | 300         | Horizontal | Pass    |
| 6** | 13424.625       | 47.08            | 0.40        | 54.0           | 6.92        | AV       | 228.00         | 300         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11ax40(SU) Low Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1162.600        | 47.23            | -17.60      | 74.0           | 26.77       | Peak     | 66.00          | 400         | Vertical | Pass    |
| 1** | 1162.600        | 30.31            | -17.60      | 54.0           | 23.69       | AV       | 66.00          | 400         | Vertical | Pass    |
| 2   | 2419.200        | 98.38            | -12.01      | 74.0           | -24.38      | Peak     | 360.00         | 150         | Vertical | N/A     |
| 2** | 2419.200        | 88.07            | -12.01      | 54.0           | -34.07      | AV       | 360.00         | 150         | Vertical | N/A     |
| 3   | 4923.400        | 51.40            | -2.44       | 74.0           | 22.60       | Peak     | 30.00          | 100         | Vertical | Pass    |
| 3** | 4923.400        | 42.01            | -2.44       | 54.0           | 11.99       | AV       | 30.00          | 100         | Vertical | Pass    |
| 4   | 6808.400        | 54.36            | 1.69        | 74.0           | 19.64       | Peak     | 41.00          | 200         | Vertical | Pass    |
| 4** | 6808.400        | 45.27            | 1.69        | 54.0           | 8.73        | AV       | 41.00          | 200         | Vertical | Pass    |
| 5   | 13320.150       | 55.84            | 0.91        | 74.0           | 18.16       | Peak     | 341.00         | 150         | Vertical | Pass    |
| 5** | 13320.150       | 46.11            | 0.91        | 54.0           | 7.89        | AV       | 341.00         | 150         | Vertical | Pass    |
| 6   | 17430.637       | 57.25            | 3.43        | 74.0           | 16.75       | Peak     | 99.00          | 200         | Vertical | Pass    |
| 6** | 17430.637       | 47.07            | 3.43        | 54.0           | 6.93        | AV       | 99.00          | 200         | Vertical | Pass    |



## 1 GHz to 18 GHz, ANT H 802.11ax40(SU) Middle Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1331.900        | 43.70            | -17.08      | 74.0           | 30.30       | Peak     | 111.00         | 100         | Horizontal | Pass    |
| 1** | 1331.900        | 30.81            | -17.08      | 54.0           | 23.19       | AV       | 111.00         | 100         | Horizontal | Pass    |
| 2   | 2448.000        | 104.06           | -12.30      | 74.0           | -30.06      | Peak     | 218.00         | 150         | Horizontal | N/A     |
| 2** | 2448.000        | 94.09            | -12.30      | 54.0           | -40.09      | AV       | 218.00         | 150         | Horizontal | N/A     |
| 3   | 4785.800        | 51.68            | -2.96       | 74.0           | 22.32       | Peak     | 170.00         | 150         | Horizontal | Pass    |
| 3** | 4785.800        | 41.80            | -2.96       | 54.0           | 12.20       | AV       | 170.00         | 150         | Horizontal | Pass    |
| 4   | 6609.200        | 54.52            | 0.39        | 74.0           | 19.48       | Peak     | 207.00         | 200         | Horizontal | Pass    |
| 4** | 6609.200        | 45.72            | 0.39        | 54.0           | 8.28        | AV       | 207.00         | 200         | Horizontal | Pass    |
| 5   | 10138.925       | 51.97            | 0.01        | 74.0           | 22.03       | Peak     | 154.00         | 150         | Horizontal | Pass    |
| 5** | 10138.925       | 42.47            | 0.01        | 54.0           | 11.53       | AV       | 154.00         | 150         | Horizontal | Pass    |
| 6   | 13421.475       | 56.19            | 0.40        | 74.0           | 17.81       | Peak     | 138.00         | 300         | Horizontal | Pass    |
| 6** | 13421.475       | 46.94            | 0.40        | 54.0           | 7.06        | AV       | 138.00         | 300         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11ax40(SU) Middle Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1330.700        | 47.06            | -16.99      | 74.0           | 26.94       | Peak     | 57.00          | 200         | Vertical | Pass    |
| 1** | 1330.700        | 37.05            | -16.99      | 54.0           | 16.95       | AV       | 57.00          | 200         | Vertical | Pass    |
| 2   | 2435.700        | 96.71            | -12.14      | 74.0           | -22.71      | Peak     | 113.00         | 200         | Vertical | N/A     |
| 2** | 2435.700        | 87.59            | -12.14      | 54.0           | -33.59      | AV       | 113.00         | 200         | Vertical | N/A     |
| 3   | 4972.000        | 52.20            | -1.60       | 74.0           | 21.80       | Peak     | 186.00         | 150         | Vertical | Pass    |
| 3** | 4972.000        | 42.13            | -1.60       | 54.0           | 11.87       | AV       | 186.00         | 150         | Vertical | Pass    |
| 4   | 6625.800        | 54.84            | 0.29        | 74.0           | 19.16       | Peak     | 166.00         | 400         | Vertical | Pass    |
| 4** | 6625.800        | 45.25            | 0.29        | 54.0           | 8.75        | AV       | 166.00         | 400         | Vertical | Pass    |
| 5   | 13320.937       | 55.57            | 0.91        | 74.0           | 18.43       | Peak     | 117.00         | 150         | Vertical | Pass    |
| 5** | 13320.937       | 46.91            | 0.91        | 54.0           | 7.09        | AV       | 117.00         | 150         | Vertical | Pass    |
| 6   | 17471.324       | 56.45            | 2.88        | 74.0           | 17.55       | Peak     | 36.00          | 300         | Vertical | Pass    |
| 6** | 17471.324       | 46.74            | 2.88        | 54.0           | 7.26        | AV       | 36.00          | 300         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H 802.11ax40(SU) High Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1331.400        | 44.48            | -17.04      | 74.0           | 29.52       | Peak     | 170.00         | 100         | Horizontal | Pass    |
| 1** | 1331.400        | 33.54            | -17.04      | 54.0           | 20.46       | AV       | 170.00         | 100         | Horizontal | Pass    |
| 2   | 2445.900        | 104.03           | -12.64      | 74.0           | -30.03      | Peak     | 274.00         | 200         | Horizontal | N/A     |
| 2** | 2445.900        | 95.82            | -12.64      | 54.0           | -41.82      | AV       | 274.00         | 200         | Horizontal | N/A     |
| 3   | 4687.600        | 51.06            | -2.65       | 74.0           | 22.94       | Peak     | 201.00         | 150         | Horizontal | Pass    |
| 3** | 4687.600        | 41.50            | -2.65       | 54.0           | 12.50       | AV       | 201.00         | 150         | Horizontal | Pass    |
| 4   | 6898.800        | 54.31            | -0.37       | 74.0           | 19.69       | Peak     | 21.00          | 400         | Horizontal | Pass    |
| 4** | 6898.800        | 43.59            | -0.37       | 54.0           | 10.41       | AV       | 21.00          | 400         | Horizontal | Pass    |
| 5   | 11066.112       | 52.26            | -0.98       | 74.0           | 21.74       | Peak     | 74.00          | 150         | Horizontal | Pass    |
| 5** | 11066.112       | 43.56            | -0.98       | 54.0           | 10.44       | AV       | 74.00          | 150         | Horizontal | Pass    |
| 6   | 13422.262       | 56.61            | 0.40        | 74.0           | 17.39       | Peak     | 16.00          | 400         | Horizontal | Pass    |
| 6** | 13422.262       | 46.14            | 0.40        | 54.0           | 7.86        | AV       | 16.00          | 400         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11ax40(SU) High Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1163.800        | 45.97            | -17.58      | 74.0           | 28.03       | Peak     | 62.00          | 100         | Vertical | Pass    |
| 1** | 1163.800        | 32.86            | -17.58      | 54.0           | 21.14       | AV       | 62.00          | 100         | Vertical | Pass    |
| 2   | 2451.400        | 98.74            | -12.23      | 74.0           | -24.74      | Peak     | 105.00         | 150         | Vertical | N/A     |
| 2** | 2451.400        | 88.20            | -12.23      | 54.0           | -34.20      | AV       | 105.00         | 150         | Vertical | N/A     |
| 3   | 5087.400        | 52.51            | -1.80       | 74.0           | 21.49       | Peak     | 305.00         | 150         | Vertical | Pass    |
| 3** | 5087.400        | 42.98            | -1.80       | 54.0           | 11.02       | AV       | 305.00         | 150         | Vertical | Pass    |
| 4   | 6810.200        | 55.15            | 1.49        | 74.0           | 18.85       | Peak     | 327.00         | 300         | Vertical | Pass    |
| 4** | 6810.200        | 45.07            | 1.49        | 54.0           | 8.93        | AV       | 327.00         | 300         | Vertical | Pass    |
| 5   | 13423.050       | 55.75            | 0.40        | 74.0           | 18.25       | Peak     | 94.00          | 150         | Vertical | Pass    |
| 5** | 13423.050       | 47.29            | 0.40        | 54.0           | 6.71        | AV       | 94.00          | 150         | Vertical | Pass    |
| 6   | 15836.213       | 56.61            | 1.45        | 74.0           | 17.39       | Peak     | 222.00         | 100         | Vertical | Pass    |
| 6** | 15836.213       | 46.67            | 1.45        | 54.0           | 7.33        | AV       | 222.00         | 100         | Vertical | Pass    |

## A.7 Band Edge (Restricted-band band-edge)

Note <sup>1</sup>: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

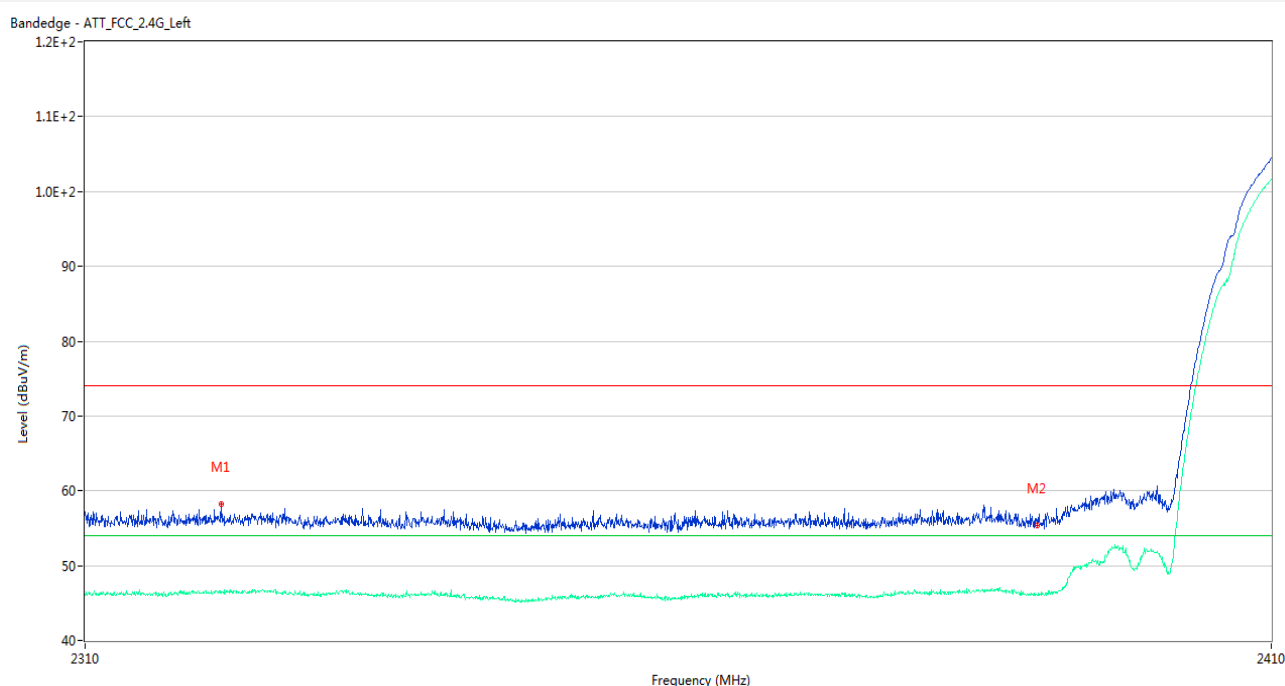
Note <sup>2</sup>: The test data all are tested in the vertical and horizontal antenna which the trace is max hold. So these plots have shown the worst case.

Note <sup>3</sup>: According the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note <sup>4</sup>: All antenna were tested, but only the worst case has been reported in this report.

### Test Data and Plots

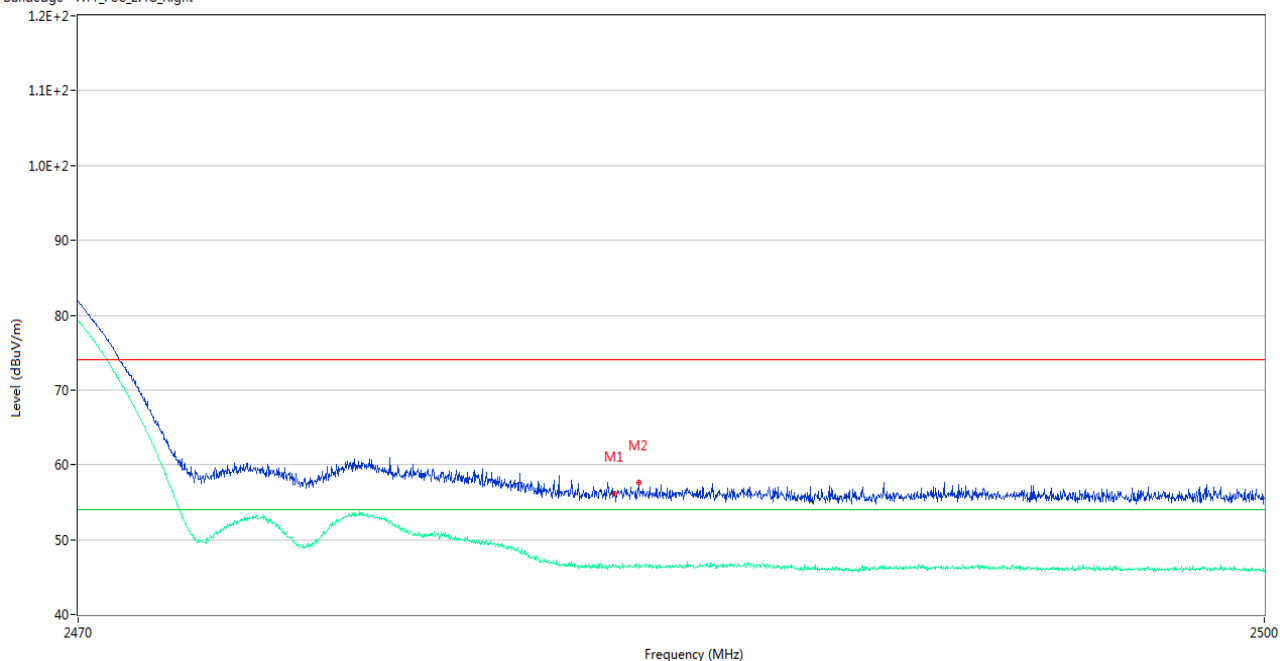
#### 802.11b LOW CHANNEL



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 2321.300        | 58.28            | 1.62        | 74.0           | 15.72       | Peak     | 184.00         | 200         | Horizontal | Pass    |
| 1** | 2321.300        | 46.47            | 1.62        | 54.0           | 7.53        | AV       | 184.00         | 200         | Horizontal | Pass    |
| 2   | 2389.950        | 55.38            | 1.92        | 74.0           | 18.62       | Peak     | 156.00         | 100         | Horizontal | Pass    |
| 2** | 2389.950        | 45.95            | 1.92        | 54.0           | 8.05        | AV       | 156.00         | 100         | Horizontal | Pass    |

## 802.11b HIGH CHANNEL

Bandedge - ATT\_FCC\_2.4G\_Right

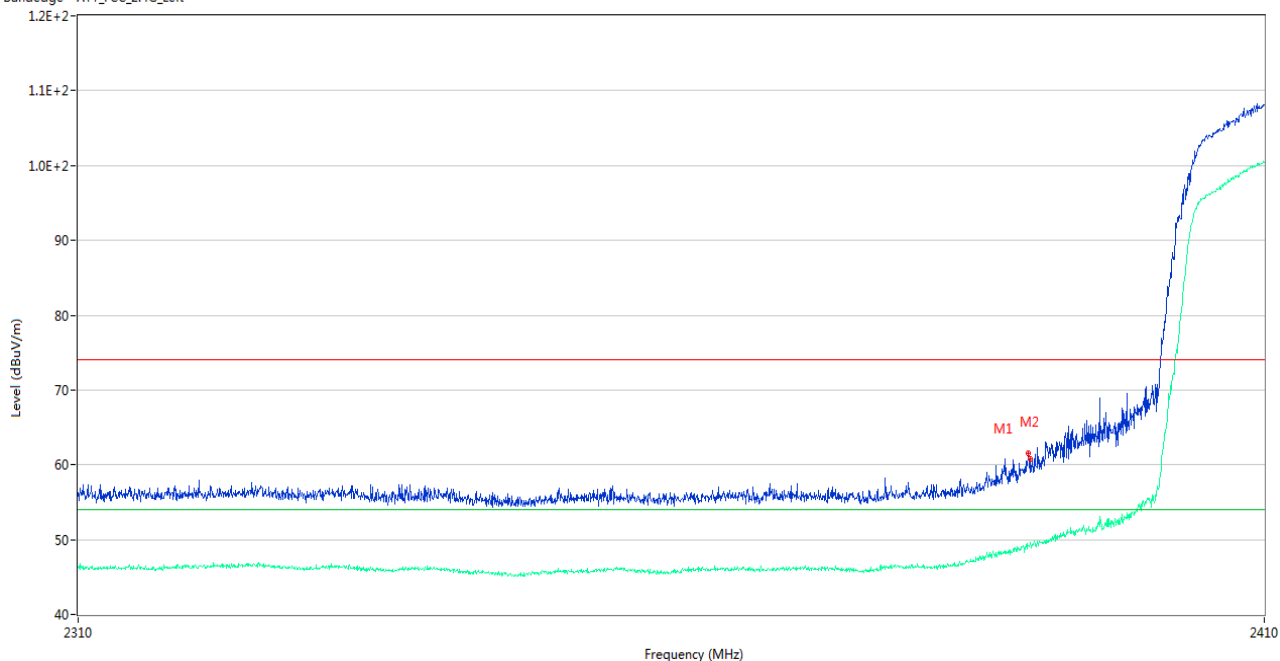


| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 2483.530        | 56.16            | 2.11        | 74.0           | 17.84       | Peak     | 34.00          | 100         | Horizontal | Pass    |
| 1** | 2483.530        | 46.28            | 2.11        | 54.0           | 7.72        | AV       | 34.00          | 100         | Horizontal | Pass    |
| 2   | 2484.130        | 57.62            | 2.13        | 74.0           | 16.38       | Peak     | 279.00         | 100         | Horizontal | Pass    |
| 2** | 2484.130        | 46.39            | 2.13        | 54.0           | 7.61        | AV       | 279.00         | 100         | Horizontal | Pass    |



## 802.11g LOW CHANNEL

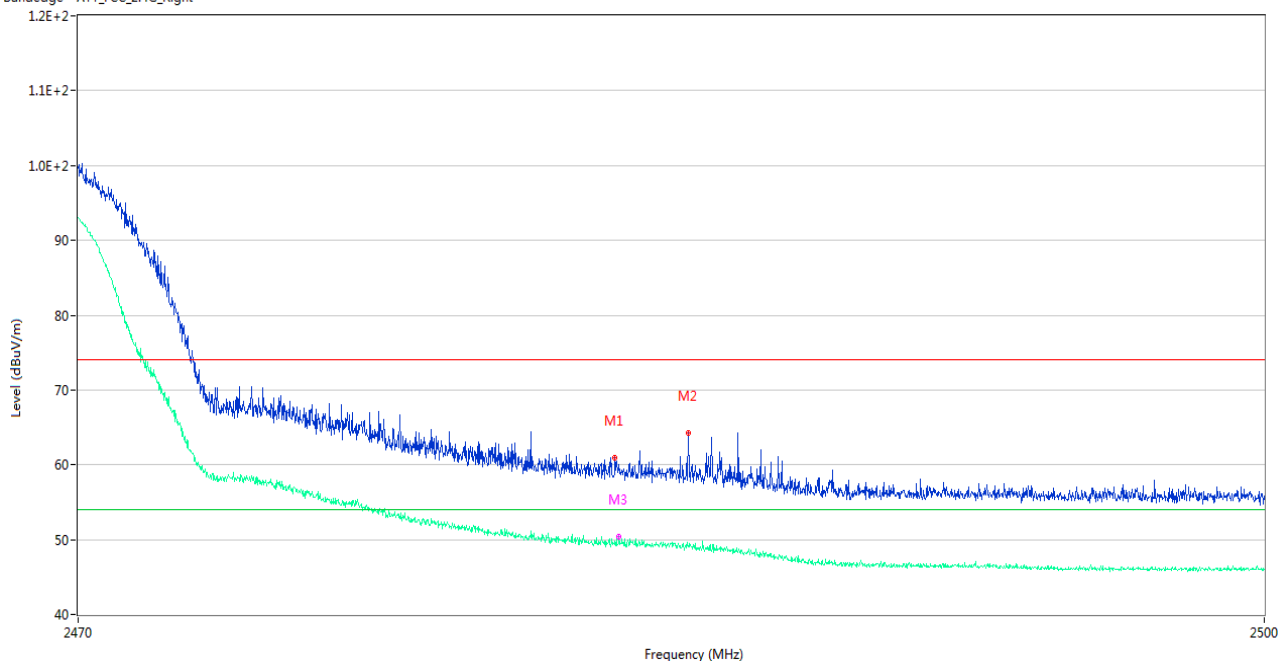
Bandedge - ATT\_FCC\_2.4G\_Left



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 2389.800        | 61.58            | 1.92        | 74.0           | 12.42       | Peak     | 39.00          | 200         | Horizontal | Pass    |
| 1** | 2389.800        | 49.22            | 1.92        | 54.0           | 4.78        | AV       | 39.00          | 200         | Horizontal | Pass    |
| 2   | 2389.950        | 60.82            | 1.92        | 74.0           | 13.18       | Peak     | 281.00         | 200         | Horizontal | Pass    |
| 2** | 2389.950        | 49.66            | 1.92        | 54.0           | 4.34        | AV       | 281.00         | 200         | Horizontal | Pass    |

## 802.11g HIGH CHANNEL

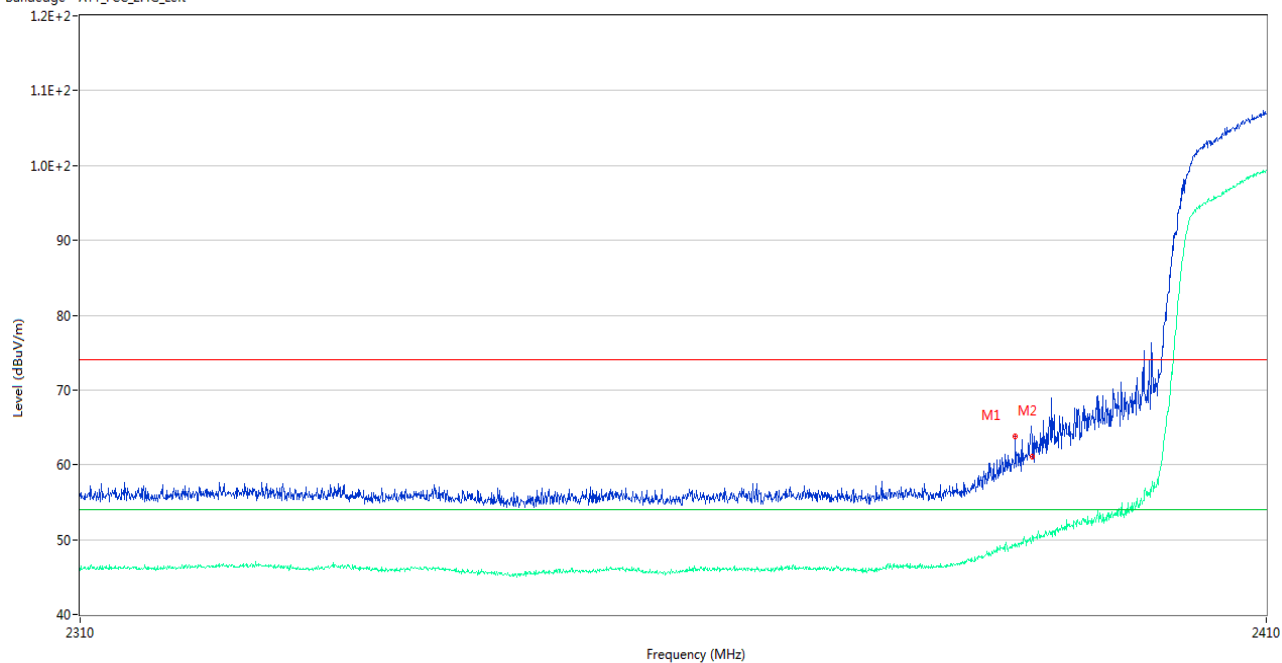
Bandedge - ATT\_FCC\_2.4G\_Right



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 2483.530        | 60.95            | 2.11        | 74.0           | 13.05       | Peak     | 282.00         | 150         | Horizontal | Pass    |
| 1** | 2483.530        | 49.81            | 2.11        | 54.0           | 4.19        | AV       | 282.00         | 150         | Horizontal | Pass    |
| 2   | 2485.390        | 64.21            | 2.01        | 74.0           | 9.79        | Peak     | 275.00         | 150         | Horizontal | Pass    |
| 2** | 2485.390        | 49.02            | 2.01        | 54.0           | 4.98        | AV       | 275.00         | 150         | Horizontal | Pass    |
| 3   | 2483.635        | 59.99            | 2.11        | 74.0           | 14.01       | Peak     | 191.00         | 150         | Horizontal | Pass    |
| 3** | 2483.635        | 50.43            | 2.11        | 54.0           | 3.57        | AV       | 191.00         | 150         | Horizontal | Pass    |

## 802.11n20 LOW CHANNEL

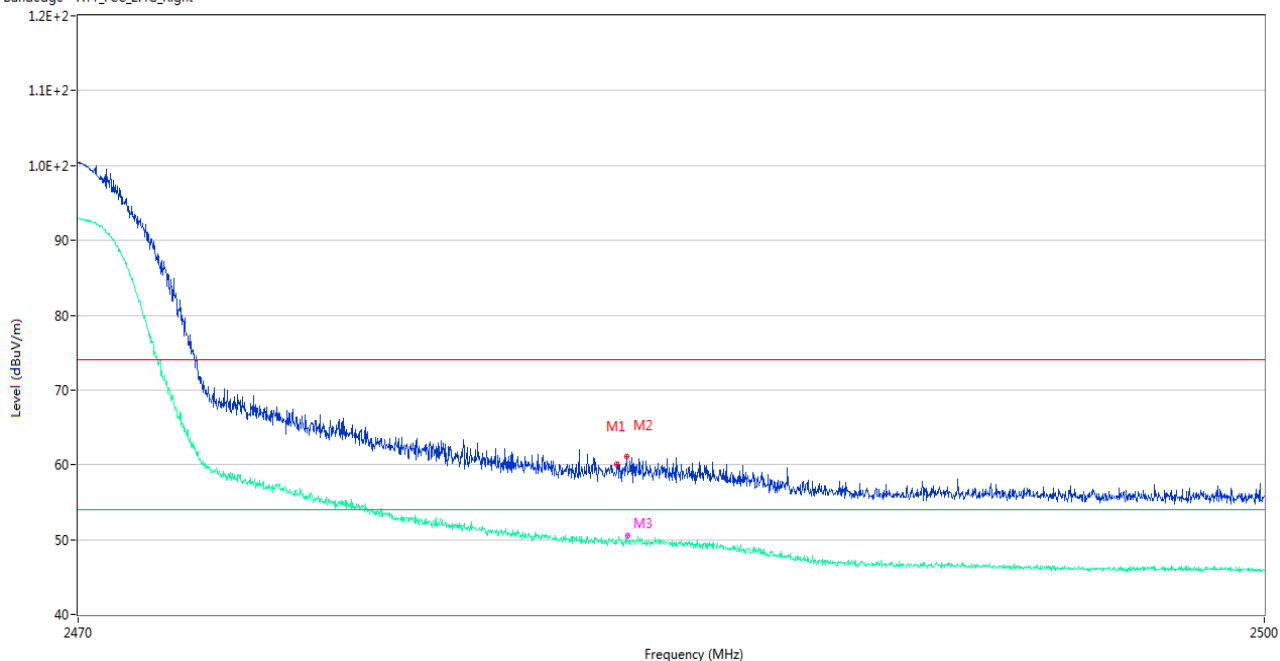
Bandedge - ATT\_FCC\_2.4G\_Left



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 2388.500        | 63.81            | 1.95        | 74.0           | 10.19       | Peak     | 39.00          | 200         | Horizontal | Pass    |
| 1** | 2388.500        | 49.02            | 1.95        | 54.0           | 4.98        | AV       | 39.00          | 200         | Horizontal | Pass    |
| 2   | 2389.950        | 61.15            | 1.92        | 74.0           | 12.85       | Peak     | 17.00          | 200         | Horizontal | Pass    |
| 2** | 2389.950        | 50.55            | 1.92        | 54.0           | 3.45        | AV       | 17.00          | 200         | Horizontal | Pass    |

## 802.11n20 HIGH CHANNEL

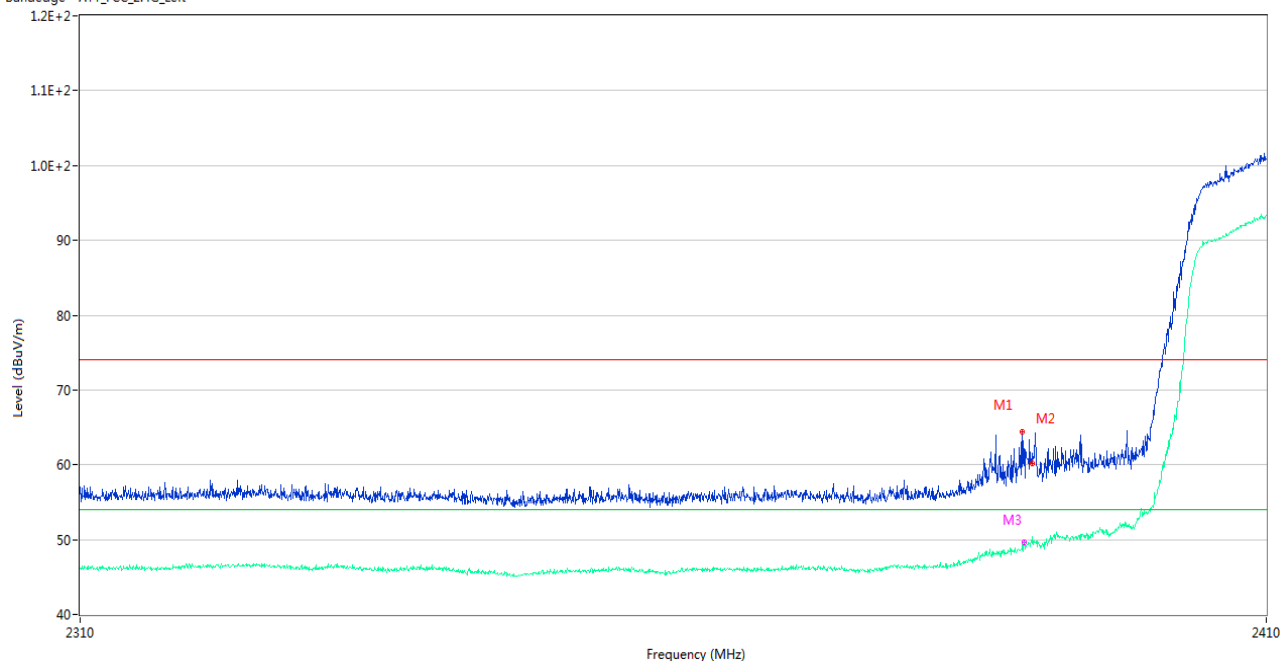
Bandedge - ATT\_FCC\_2.4G\_Right



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 2483.590        | 60.11            | 2.11        | 74.0           | 13.89       | Peak     | 221.00         | 200         | Horizontal | Pass    |
| 1** | 2483.590        | 49.80            | 2.11        | 54.0           | 4.20        | AV       | 221.00         | 200         | Horizontal | Pass    |
| 2   | 2483.845        | 61.04            | 2.12        | 74.0           | 12.96       | Peak     | 228.00         | 150         | Horizontal | Pass    |
| 2** | 2483.845        | 49.65            | 2.12        | 54.0           | 4.35        | AV       | 228.00         | 150         | Horizontal | Pass    |
| 3   | 2483.860        | 58.65            | 2.12        | 74.0           | 15.35       | Peak     | 228.00         | 150         | Horizontal | Pass    |
| 3** | 2483.860        | 50.60            | 2.12        | 54.0           | 3.40        | AV       | 228.00         | 150         | Horizontal | Pass    |

## 802.11n40 LOW CHANNEL

Bandedge - ATT\_FCC\_2.4G\_Left

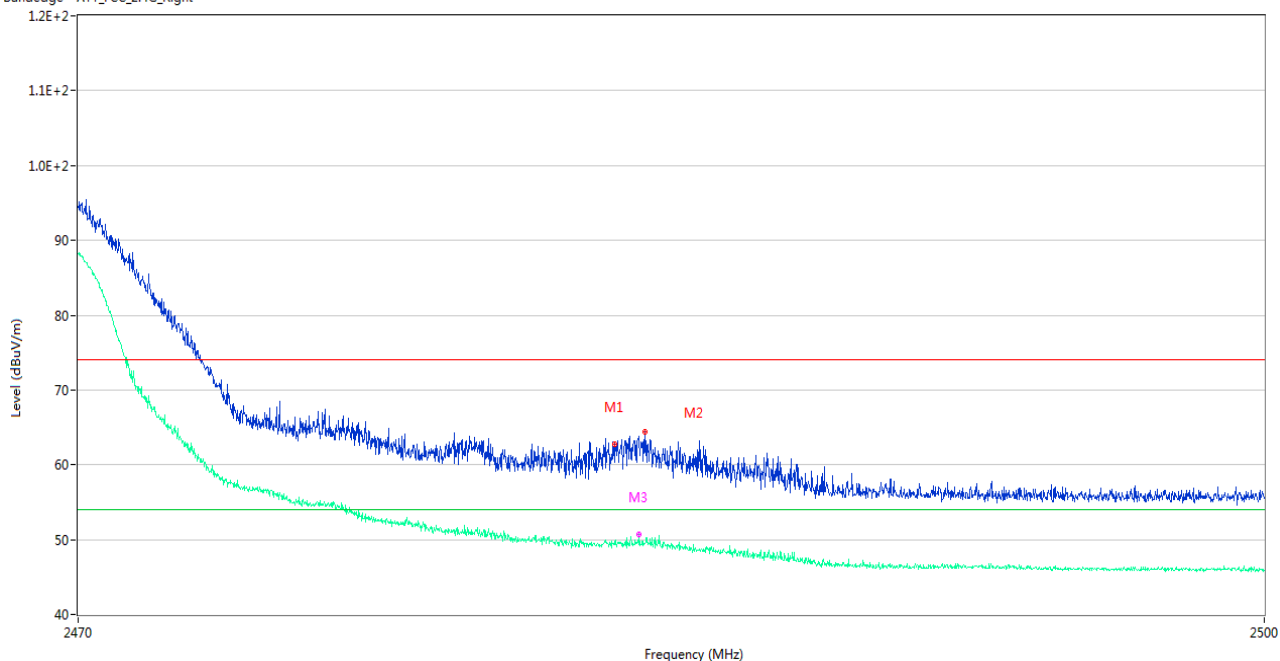


| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 2389.050        | 64.42            | 1.90        | 74.0           | 9.58        | Peak     | 276.00         | 200         | Horizontal | Pass    |
| 1** | 2389.050        | 48.62            | 1.90        | 54.0           | 5.38        | AV       | 276.00         | 200         | Horizontal | Pass    |
| 2   | 2389.950        | 60.13            | 1.92        | 74.0           | 13.87       | Peak     | 266.00         | 200         | Horizontal | Pass    |
| 2** | 2389.950        | 50.40            | 1.92        | 54.0           | 3.60        | AV       | 266.00         | 200         | Horizontal | Pass    |
| 3   | 2389.250        | 61.34            | 1.91        | 74.0           | 12.66       | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 3** | 2389.250        | 49.68            | 1.91        | 54.0           | 4.32        | AV       | 0.00           | 150         | Horizontal | Pass    |



## 802.11n40 HIGH CHANNEL

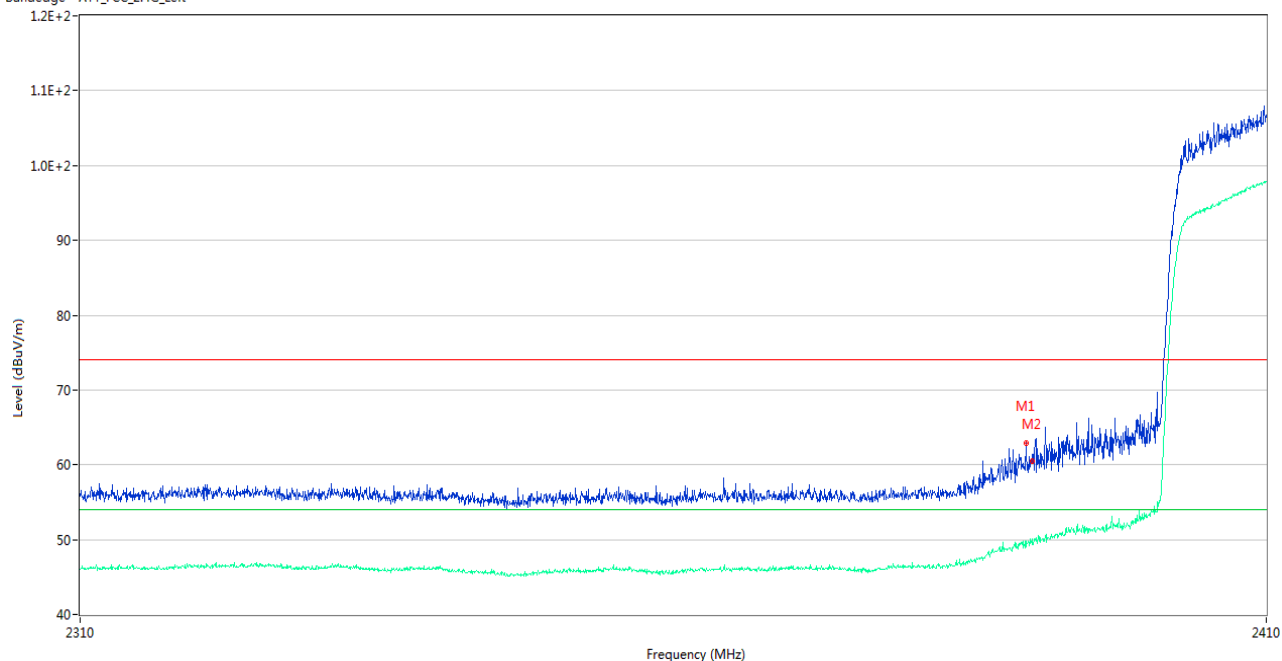
Bandedge - ATT\_FCC\_2.4G\_Right



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 2483.530        | 62.76            | 2.11        | 74.0           | 11.24       | Peak     | 233.00         | 150         | Horizontal | Pass    |
| 1** | 2483.530        | 49.39            | 2.11        | 54.0           | 4.61        | AV       | 233.00         | 150         | Horizontal | Pass    |
| 2   | 2484.280        | 64.47            | 2.14        | 74.0           | 9.53        | Peak     | 224.00         | 200         | Horizontal | Pass    |
| 2** | 2484.280        | 49.42            | 2.14        | 54.0           | 4.58        | AV       | 224.00         | 200         | Horizontal | Pass    |
| 3   | 2484.145        | 62.80            | 2.13        | 74.0           | 11.20       | Peak     | 236.00         | 150         | Horizontal | Pass    |
| 3** | 2484.145        | 50.65            | 2.13        | 54.0           | 3.35        | AV       | 236.00         | 150         | Horizontal | Pass    |

## 802.11ax20(SU) LOW CHANNEL

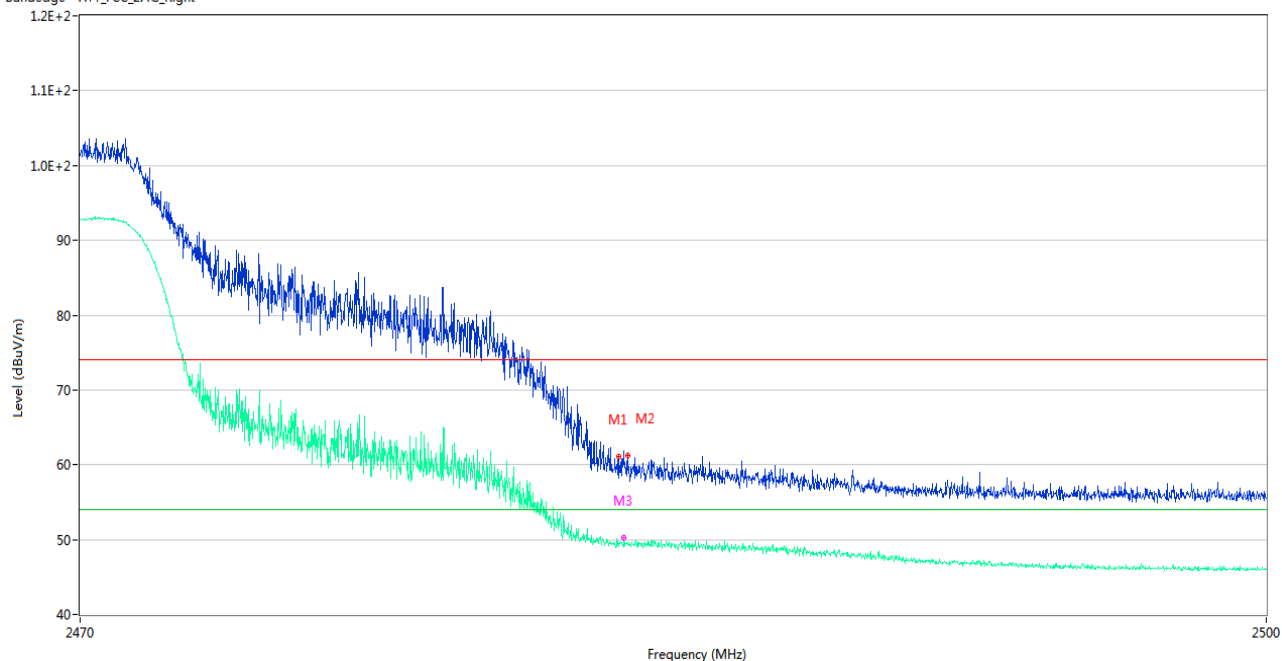
Bandedge - ATT\_FCC\_2.4G\_Left



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 2389.400        | 62.94            | 1.91        | 74.0           | 11.06       | Peak     | 273.00         | 100         | Horizontal | Pass    |
| 1** | 2389.400        | 49.01            | 1.91        | 54.0           | 4.99        | AV       | 273.00         | 100         | Horizontal | Pass    |
| 2   | 2389.950        | 60.47            | 1.92        | 74.0           | 13.53       | Peak     | 257.00         | 100         | Horizontal | Pass    |
| 2** | 2389.950        | 50.13            | 1.92        | 54.0           | 3.87        | AV       | 257.00         | 100         | Horizontal | Pass    |

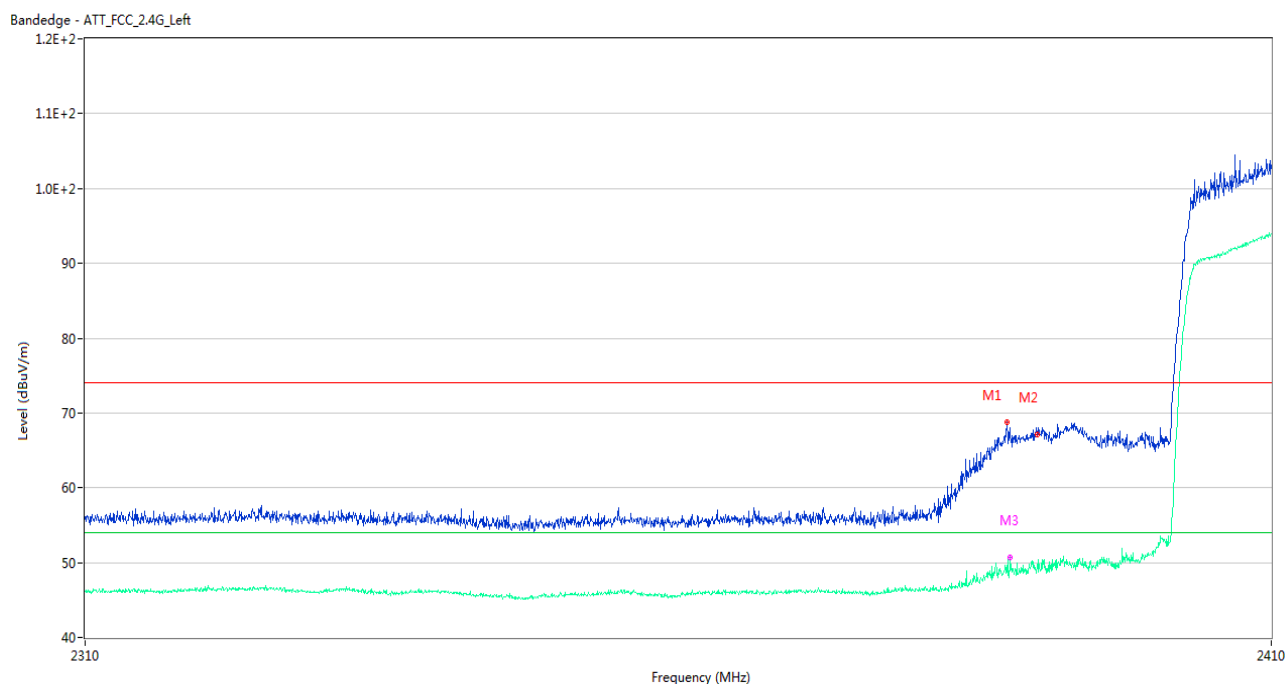
## 802.11 ax20(SU) HIGH CHANNEL

Bandedge - ATT\_FCC\_2.4G\_Right



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 2483.575        | 61.07            | 2.11        | 74.0           | 12.93       | Peak     | 113.00         | 100         | Horizontal | Pass    |
| 1** | 2483.575        | 49.47            | 2.11        | 54.0           | 4.53        | AV       | 113.00         | 100         | Horizontal | Pass    |
| 2   | 2483.800        | 61.21            | 2.12        | 74.0           | 12.79       | Peak     | 45.00          | 200         | Horizontal | Pass    |
| 2** | 2483.800        | 49.66            | 2.12        | 54.0           | 4.34        | AV       | 45.00          | 200         | Horizontal | Pass    |
| 3   | 2483.710        | 60.40            | 2.12        | 74.0           | 13.60       | Peak     | 51.00          | 150         | Horizontal | Pass    |
| 3** | 2483.710        | 50.18            | 2.12        | 54.0           | 3.82        | AV       | 51.00          | 150         | Horizontal | Pass    |

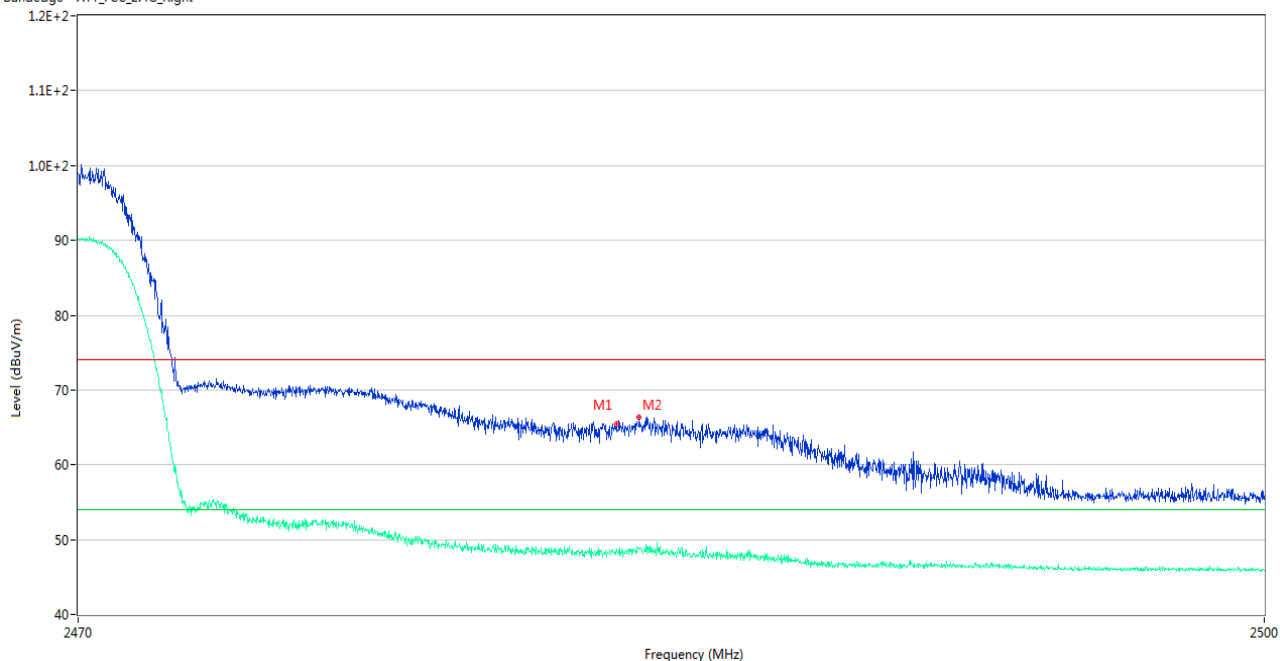
## 802.11ax40(SU) LOW CHANNEL



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 2387.350        | 68.82            | 2.23        | 74.0           | 5.18        | Peak     | 282.00         | 200         | Horizontal | Pass    |
| 1** | 2387.350        | 48.79            | 2.23        | 54.0           | 5.21        | AV       | 282.00         | 200         | Horizontal | Pass    |
| 2   | 2389.950        | 67.16            | 1.92        | 74.0           | 6.84        | Peak     | 273.00         | 100         | Horizontal | Pass    |
| 2** | 2389.950        | 49.76            | 1.92        | 54.0           | 4.24        | AV       | 273.00         | 100         | Horizontal | Pass    |
| 3   | 2387.650        | 67.13            | 2.16        | 74.0           | 6.87        | Peak     | 271.00         | 150         | Horizontal | Pass    |
| 3** | 2387.650        | 50.71            | 2.16        | 54.0           | 3.29        | AV       | 271.00         | 150         | Horizontal | Pass    |

## 802.11 ax40(SU) HIGH CHANNEL

Bandedge - ATT\_FCC\_2.4G\_Right

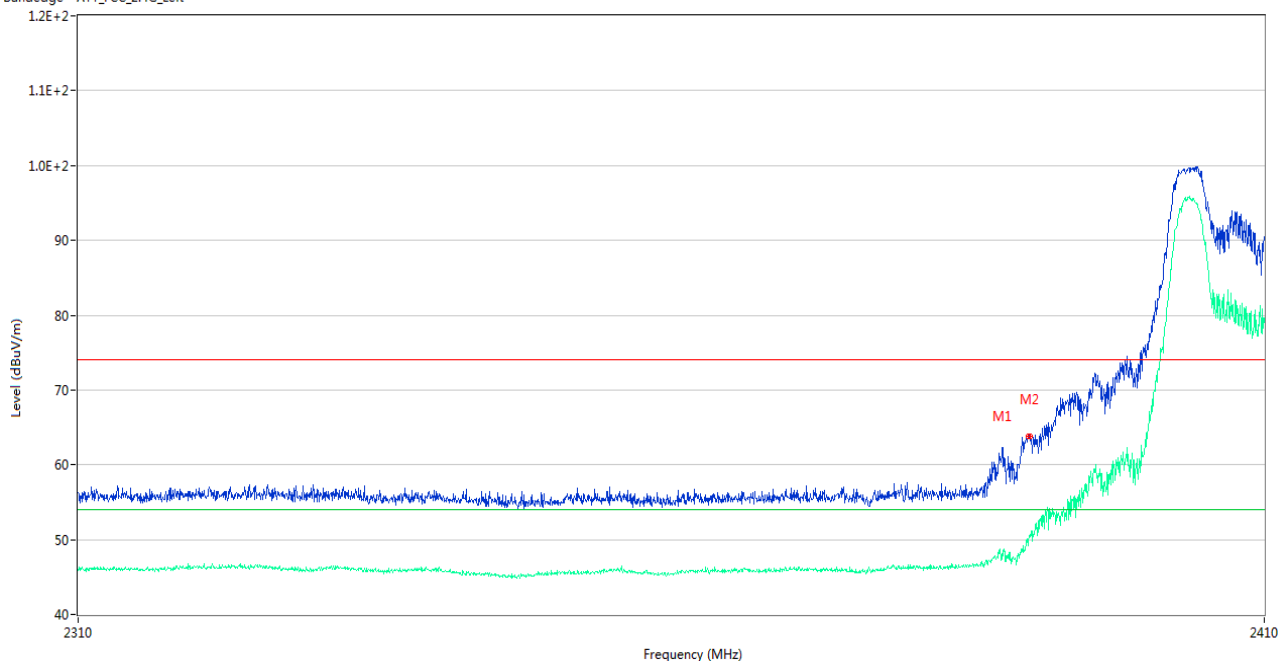


| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 2483.575        | 65.39            | 2.11        | 74.0           | 8.61        | Peak     | 219.00         | 100         | Horizontal | Pass    |
| 1** | 2483.575        | 48.74            | 2.11        | 54.0           | 5.26        | AV       | 219.00         | 100         | Horizontal | Pass    |
| 2   | 2484.145        | 66.38            | 2.13        | 74.0           | 7.62        | Peak     | 229.00         | 200         | Horizontal | Pass    |
| 2** | 2484.145        | 48.83            | 2.13        | 54.0           | 5.17        | AV       | 229.00         | 200         | Horizontal | Pass    |



## 802.11ax20(RU26) LOW CHANNEL

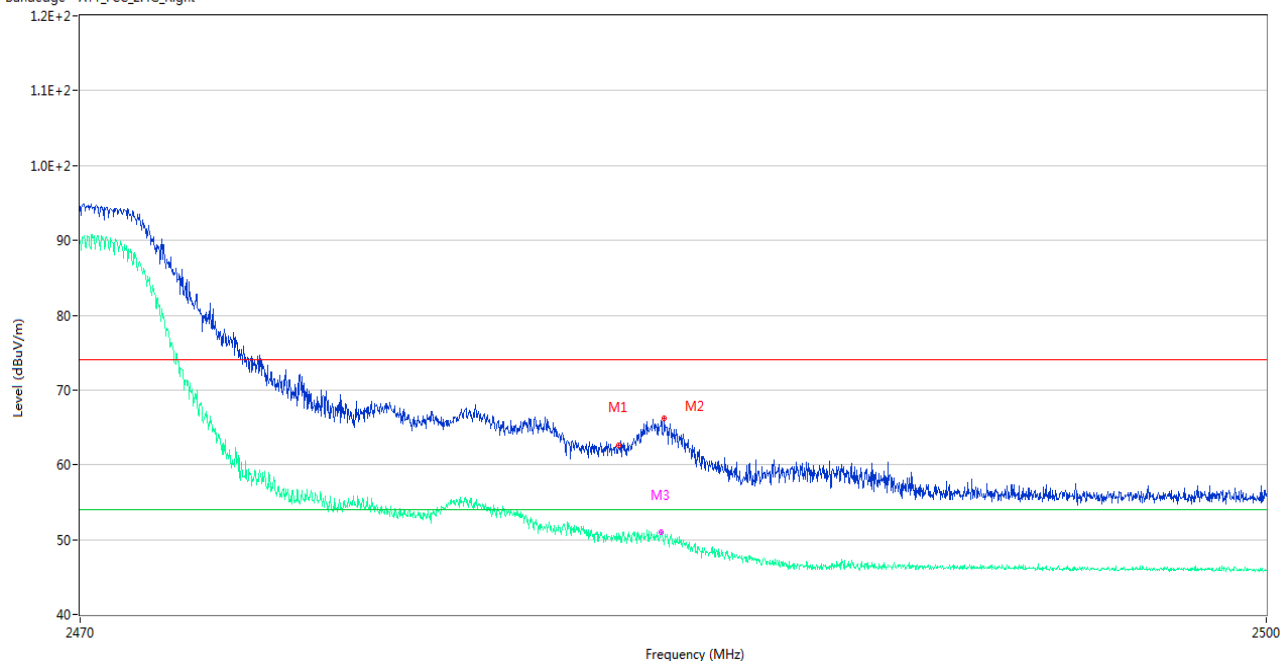
Bandedge - ATT\_FCC\_2.4G\_Left



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 2389.800        | 63.84            | 1.92        | 74.0           | 10.16       | Peak     | 226.00         | 100         | Vertical | Pass    |
| 1** | 2389.800        | 49.70            | 1.92        | 54.0           | 4.30        | AV       | 226.00         | 100         | Vertical | Pass    |
| 2   | 2389.950        | 63.84            | 1.92        | 74.0           | 10.16       | Peak     | 228.00         | 150         | Vertical | Pass    |
| 2** | 2389.950        | 50.47            | 1.92        | 54.0           | 3.53        | AV       | 228.00         | 150         | Vertical | Pass    |

## 802.11 ax20(RU26) HIGH CHANNEL

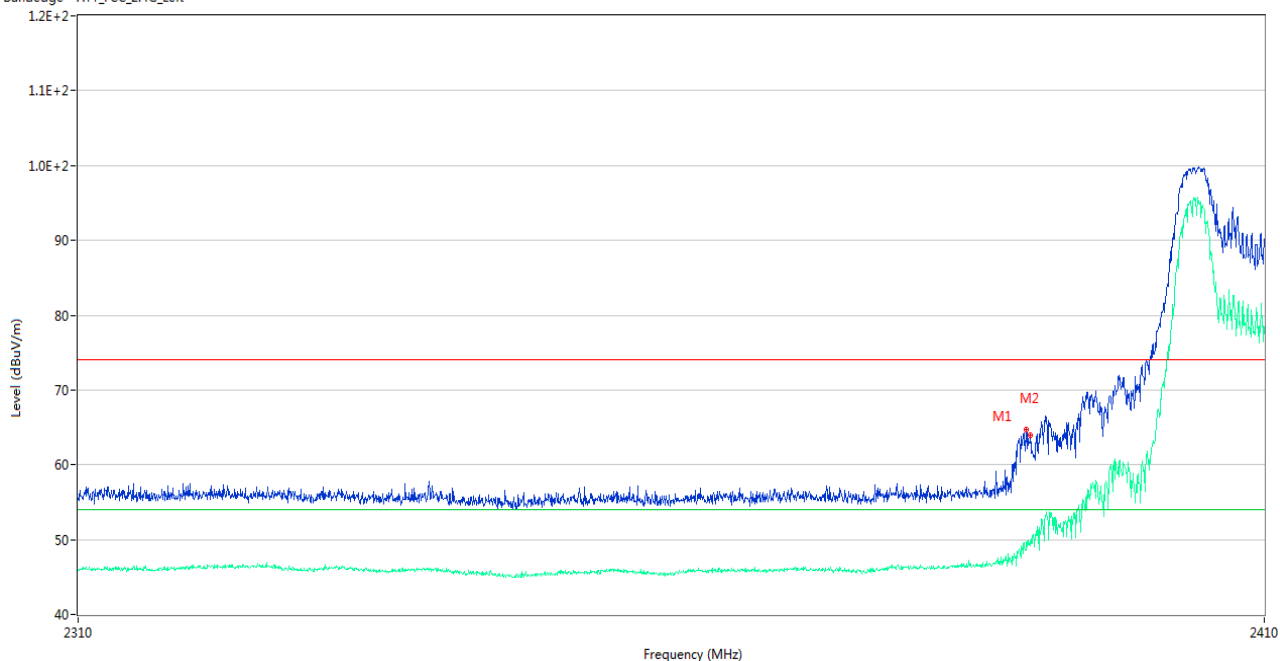
Bandedge - ATT\_FCC\_2.4G\_Right



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 2483.590        | 62.66            | 2.11        | 74.0           | 11.34       | Peak     | 312.00         | 200         | Vertical | Pass    |
| 1** | 2483.590        | 50.85            | 2.11        | 54.0           | 3.15        | AV       | 312.00         | 200         | Vertical | Pass    |
| 2   | 2484.730        | 66.20            | 2.09        | 74.0           | 7.80        | Peak     | 91.00          | 200         | Vertical | Pass    |
| 2** | 2484.730        | 49.33            | 2.09        | 54.0           | 4.67        | AV       | 91.00          | 200         | Vertical | Pass    |
| 3   | 2484.655        | 65.94            | 2.10        | 74.0           | 8.06        | Peak     | 82.00          | 150         | Vertical | Pass    |
| 3** | 2484.655        | 50.98            | 2.10        | 54.0           | 3.02        | AV       | 82.00          | 150         | Vertical | Pass    |

## 802.11ax40(RU26) LOW CHANNEL

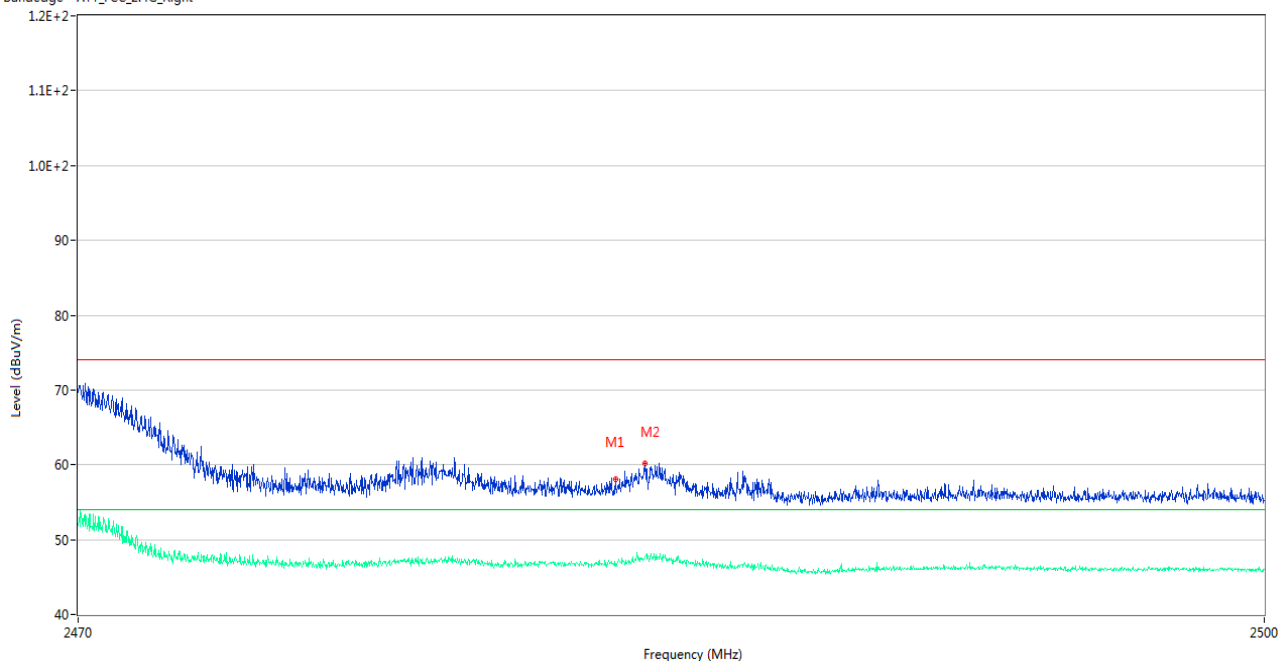
Bandedge - ATT\_FCC\_2.4G\_Left



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 2389.550        | 64.71            | 1.91        | 74.0           | 9.29        | Peak     | 38.00          | 200         | Vertical | Pass    |
| 1** | 2389.550        | 48.64            | 1.91        | 54.0           | 5.36        | AV       | 38.00          | 200         | Vertical | Pass    |
| 2   | 2389.950        | 63.96            | 1.92        | 74.0           | 10.04       | Peak     | 38.00          | 200         | Vertical | Pass    |
| 2** | 2389.950        | 49.73            | 1.92        | 54.0           | 4.27        | AV       | 38.00          | 200         | Vertical | Pass    |

## 802.11 ax40(RU26) HIGH CHANNEL

Bandedge - ATT\_FCC\_2.4G\_Right



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 2483.545        | 58.05            | 2.11        | 74.0           | 15.95       | Peak     | 146.00         | 150         | Vertical | Pass    |
| 1** | 2483.545        | 46.74            | 2.11        | 54.0           | 7.26        | AV       | 146.00         | 150         | Vertical | Pass    |
| 2   | 2484.280        | 60.18            | 2.14        | 74.0           | 13.82       | Peak     | 154.00         | 100         | Vertical | Pass    |
| 2** | 2484.280        | 47.53            | 2.14        | 54.0           | 6.47        | AV       | 154.00         | 100         | Vertical | Pass    |

## A.8 Power Spectral Density (PSD)

Note 1: All antenna were tested, but only the worst case has been reported in this report.

Note 2: All the configurations were pre tested, only the worst configuration has been reported in this report.

### Test Data

802.11b Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| Low     | -7.66                                | 8                |
| Middle  | -7.98                                | 8                |
| High    | -7.31                                | 8                |

802.11g Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| Low     | -10.14                               | 8                |
| Middle  | -10.20                               | 8                |
| High    | -10.30                               | 8                |

802.11n-20 MHz Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| Low     | -9.65                                | 8                |
| Middle  | -10.39                               | 8                |
| High    | -11.39                               | 8                |

802.11n-40 MHz Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| Low     | -14.05                               | 8                |
| Middle  | -13.52                               | 8                |
| High    | -12.52                               | 8                |

802.11ax-20 MHz(SU) Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| Low     | -12.66                               | 8                |
| Middle  | -11.35                               | 8                |
| High    | -12.98                               | 8                |

## 802.11ax-40 MHz(SU) Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| Low     | -13.53                               | 8                |
| Middle  | -14.79                               | 8                |
| High    | -14.06                               | 8                |

## 802.11ax-20 MHz(RU26) Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| Low     | -14.25                               | 8                |
| Middle  | -12.00                               | 8                |
| High    | -15.65                               | 8                |

## 802.11ax-40 MHz(RU26) Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| Low     | -17.65                               | 8                |
| Middle  | -16.98                               | 8                |
| High    | -17.72                               | 8                |



## Test Plots

### 802.11b LOW CHANNEL



### 802.11b MIDDLE CHANNEL



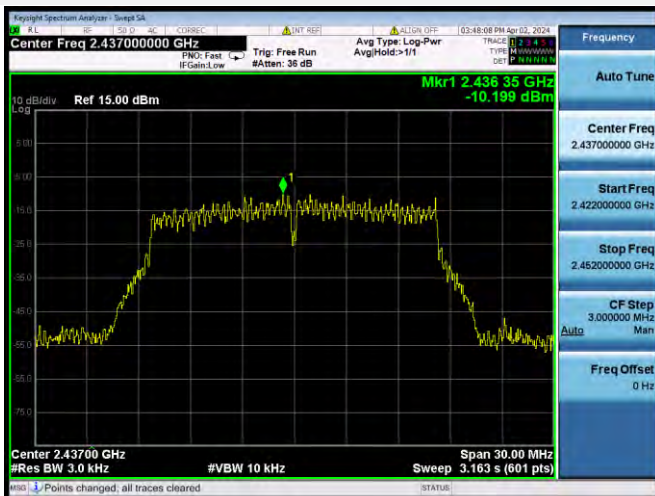
### 802.11b HIGH CHANNEL



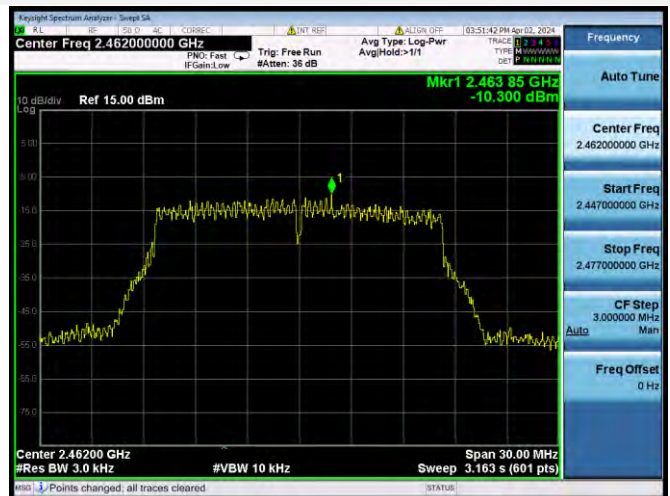
### 802.11g LOW CHANNEL



### 802.11g MIDDLE CHANNEL



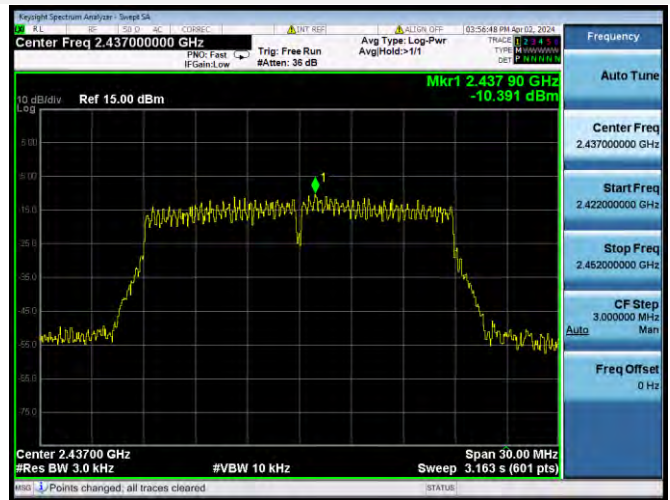
### 802.11g HIGH CHANNEL



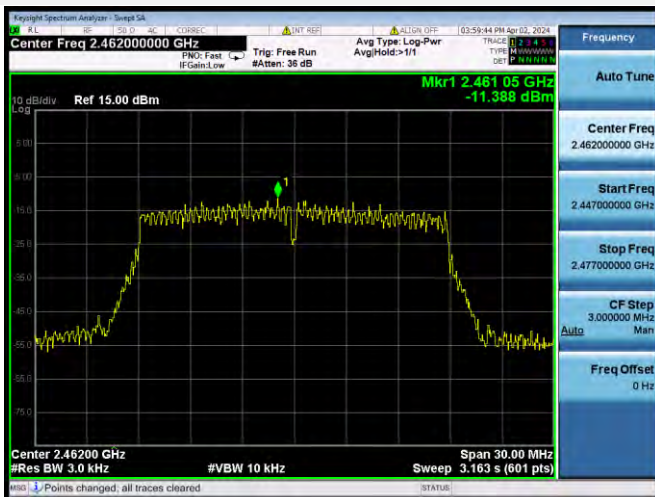
## 802.11n-20 MHz LOW CHANNEL



## 802.11n-20 MHz MIDDLE CHANNEL



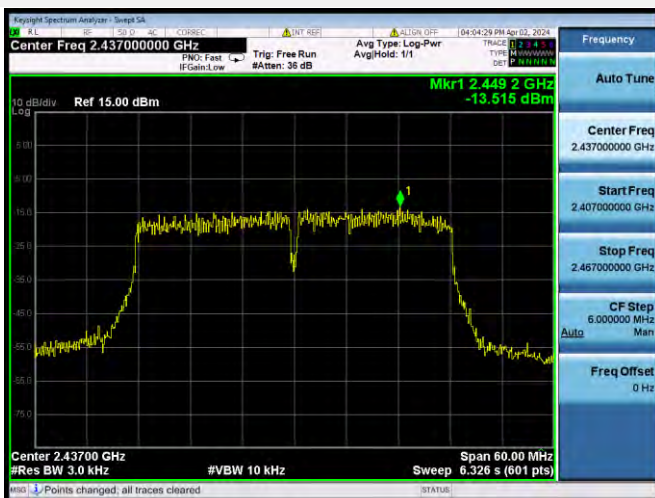
## 802.11n-20 MHz HIGH CHANNEL



## 802.11n-40 MHz LOW CHANNEL



## 802.11n-40 MHz MIDDLE CHANNEL



## 802.11n-40 MHz HIGH CHANNEL





## 802.11ax-20 MHz(SU) LOW CHANNEL



## 802.11ax-20 MHz(SU) MIDDLE CHANNEL



## 802.11ax-20 MHz(SU) HIGH CHANNEL



## 802.11ax-40 MHz(SU) LOW CHANNEL



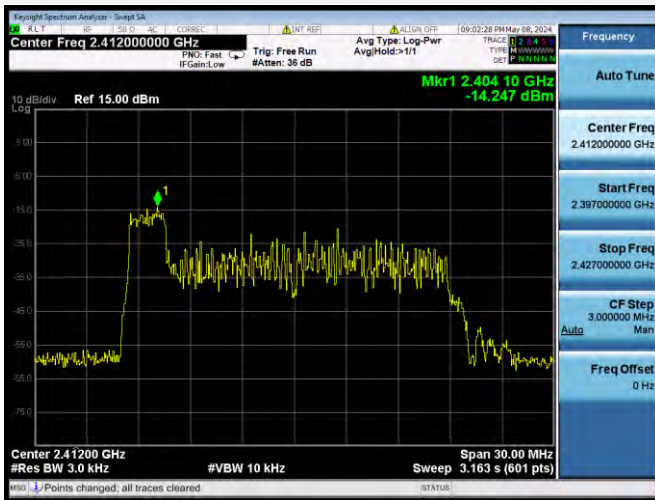
## 802.11ax-40 MHz(SU) MIDDLE CHANNEL



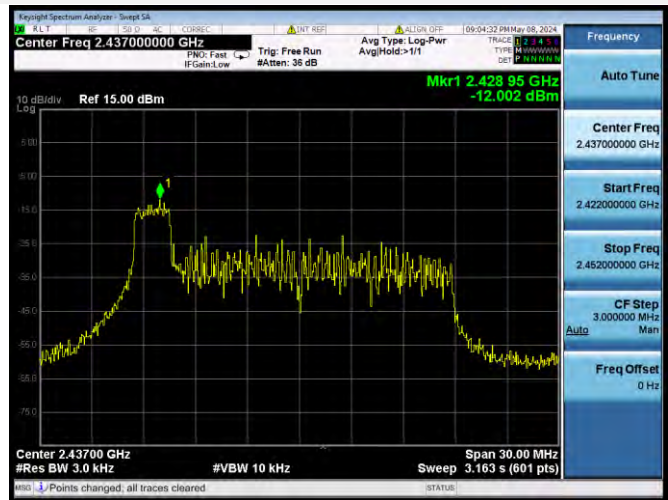
## 802.11ax-40 MHz(SU) HIGH CHANNEL



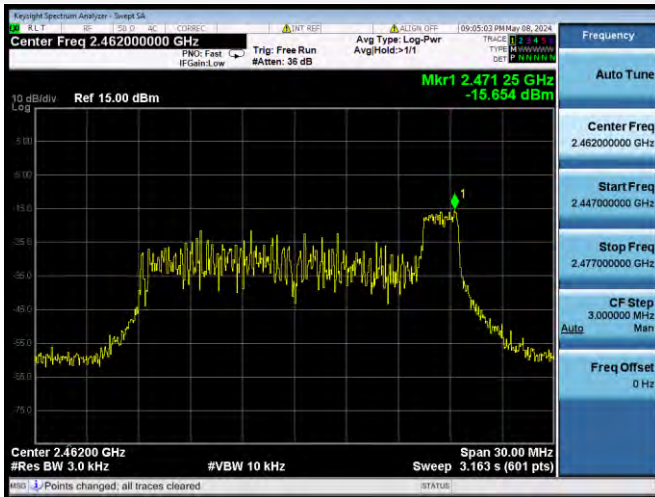
## 802.11ax-20 MHz(RU26) LOW CHANNEL



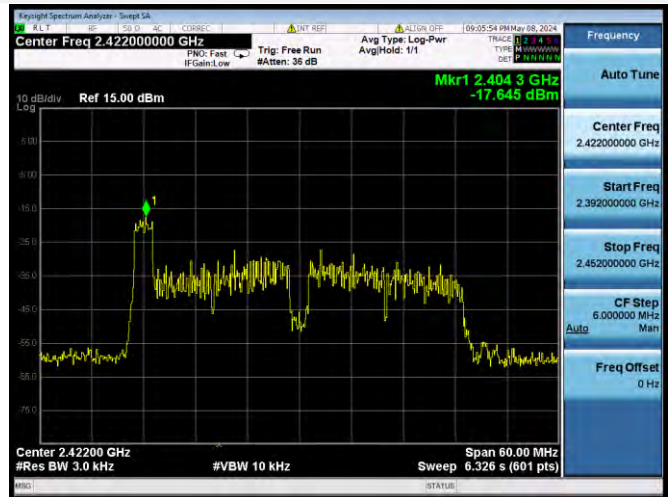
## 802.11ax-20 MHz(RU26) MIDDLE CHANNEL



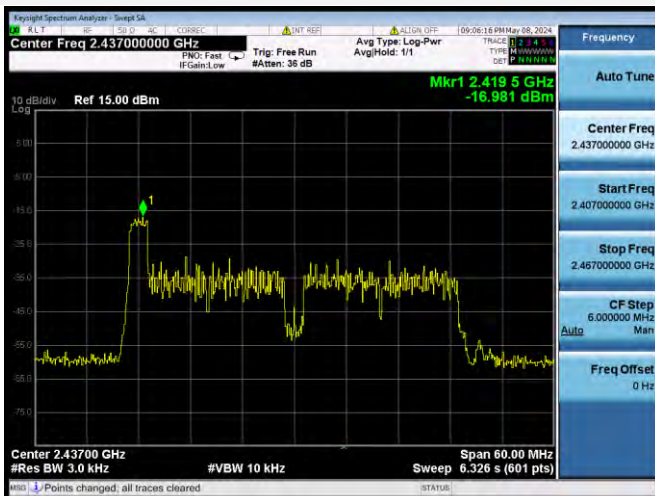
## 802.11ax-20 MHz(RU26) HIGH CHANNEL



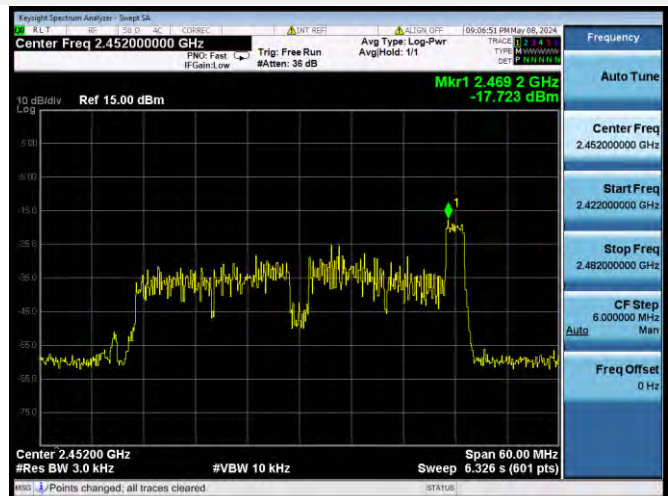
## 802.11ax-40 MHz(RU26) LOW CHANNEL



## 802.11ax-40 MHz(RU26) MIDDLE CHANNEL



## 802.11ax-40 MHz(RU26) HIGH CHANNEL



## **ANNEX B TEST SETUP PHOTOS**

Please refer the document “BL-SZ2430942-AR.PDF”.

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer the document “BL-SZ2430942-AW.PDF”.

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer the document “BL-SZ2430942-AI.PDF”.



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--END OF REPORT--