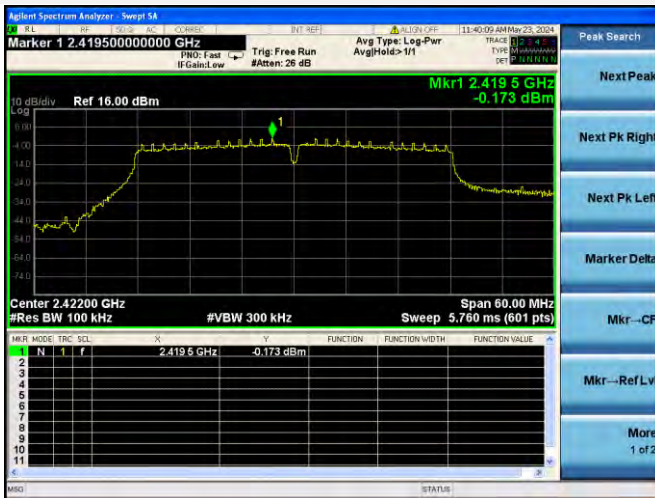
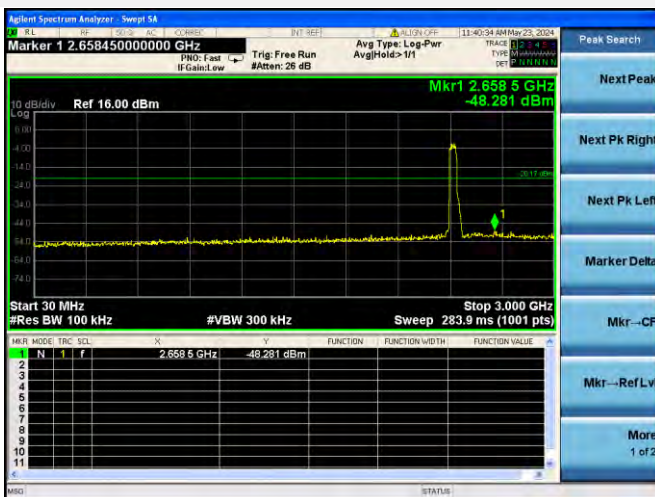
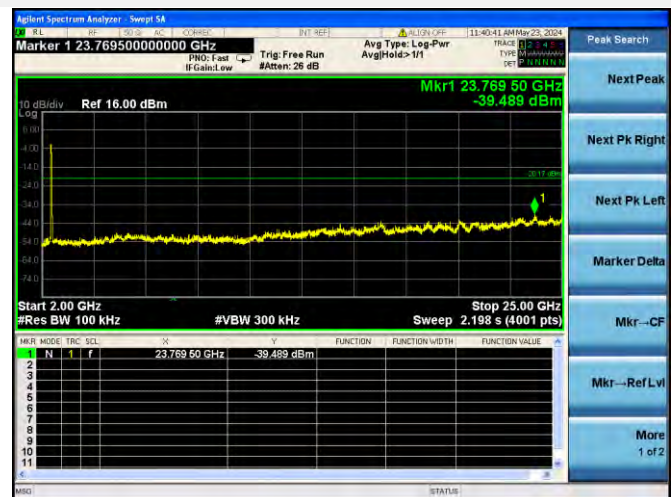
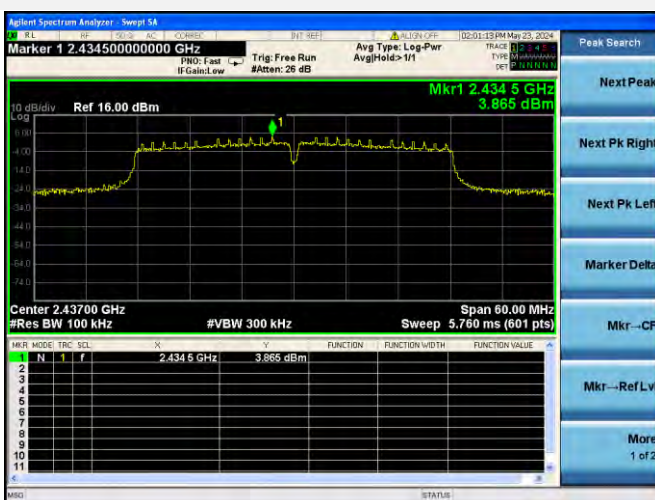


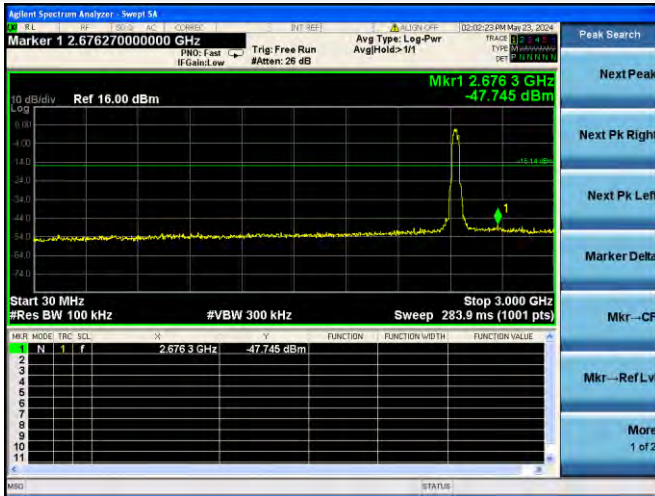
## 802.11n-40 MHz LOW CHANNEL CARRIER LEVEL

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

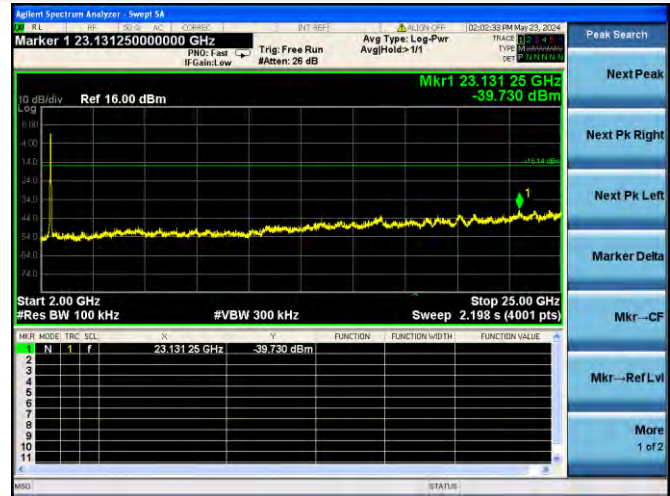
## 802.11n-40 MHz MIDDLE CHANNEL CARRIER LEVEL



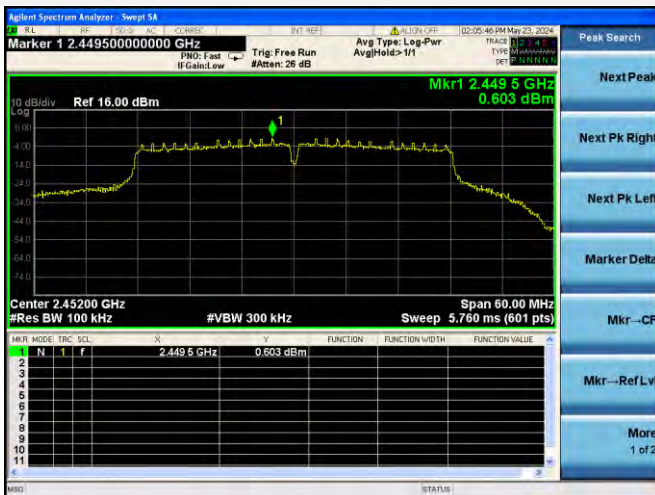
### 802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



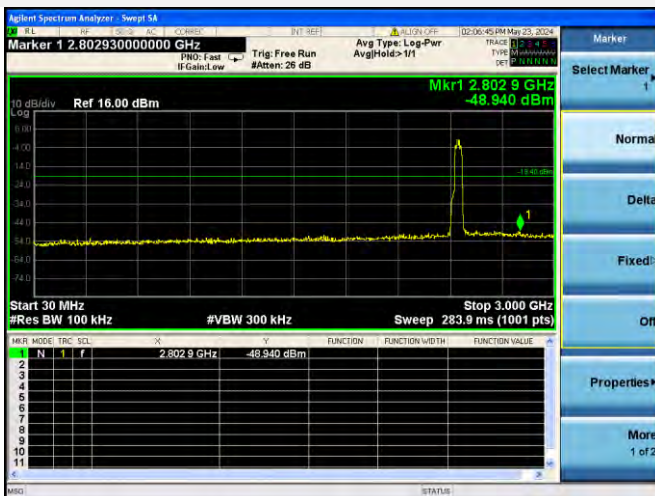
### 802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



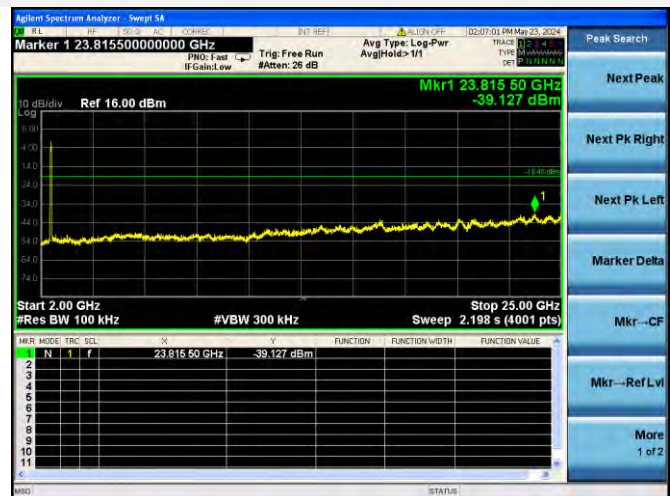
### 802.11n-40 MHz HIGH CHANNEL CARRIER LEVEL



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



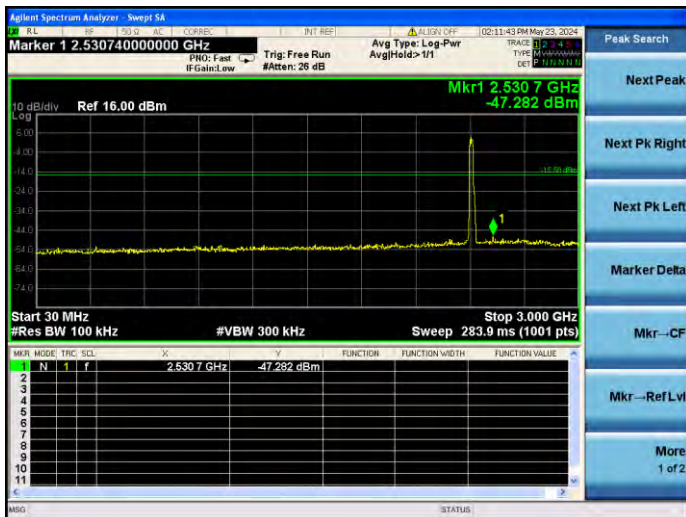
### 802.11n-40 MHz HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



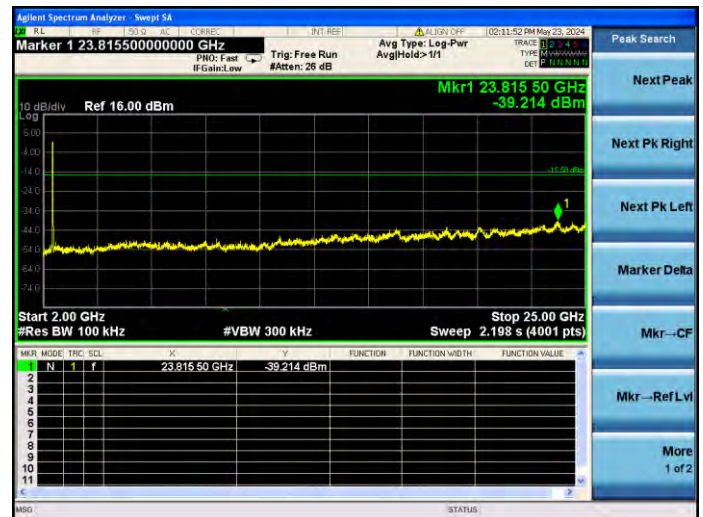
## 802.11ax-20 MHz(SU) LOW CHANNEL CARRIER LEVEL



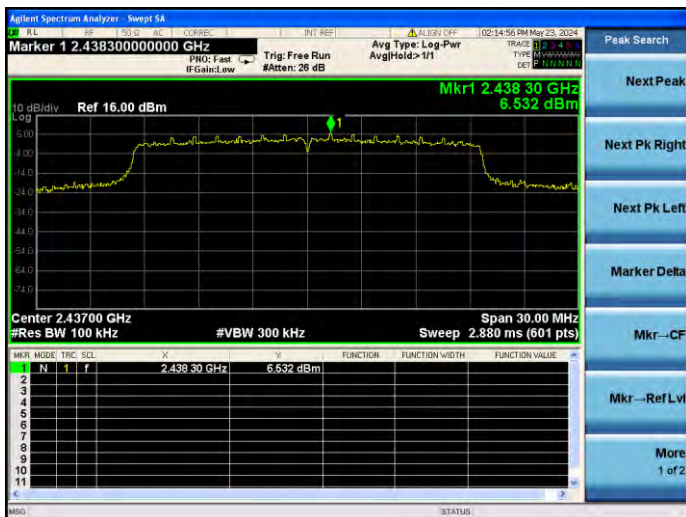
## 802.11ax-20 MHz(SU) LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



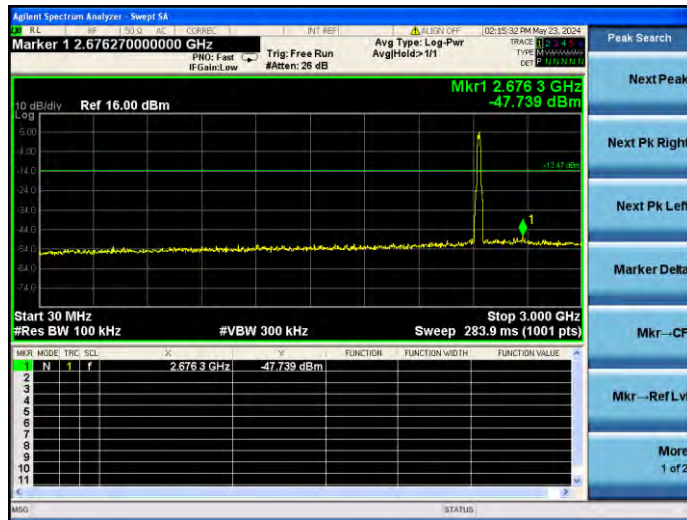
## 802.11ax-20 MHz(SU) LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



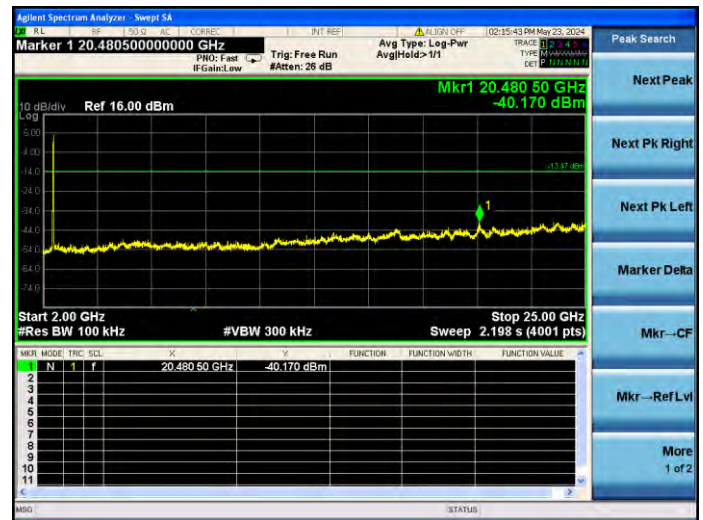
## 802.11ax-20 MHz(SU) MIDDLE CHANNEL CARRIER LEVEL



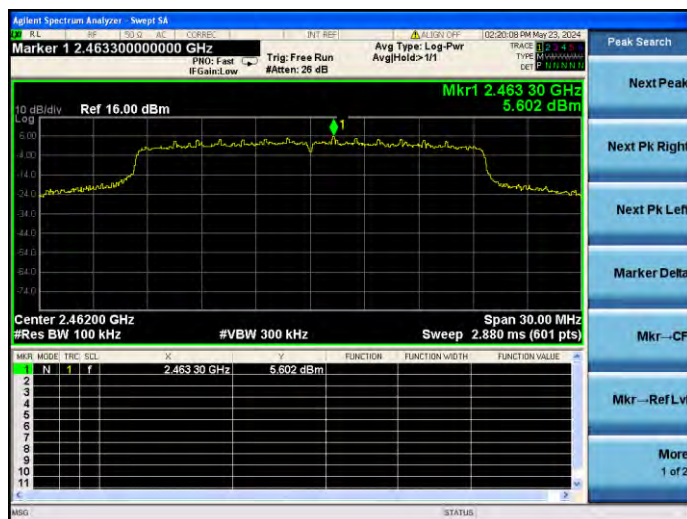
### 802.11ax-20 MHz(SU) MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



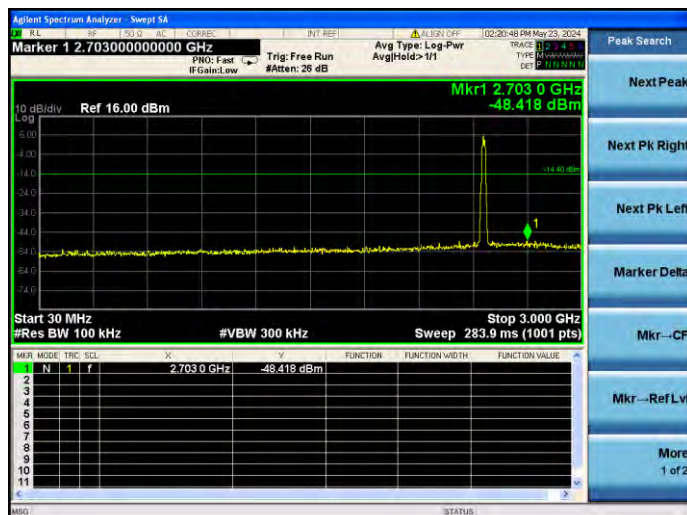
### 802.11ax-20 MHz(SU) MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



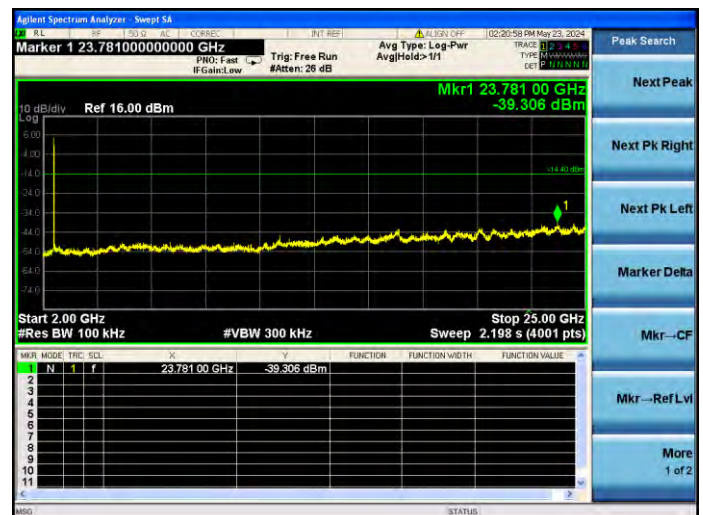
### 802.11ax-20 MHz(SU) HIGH CHANNEL CARRIER LEVEL



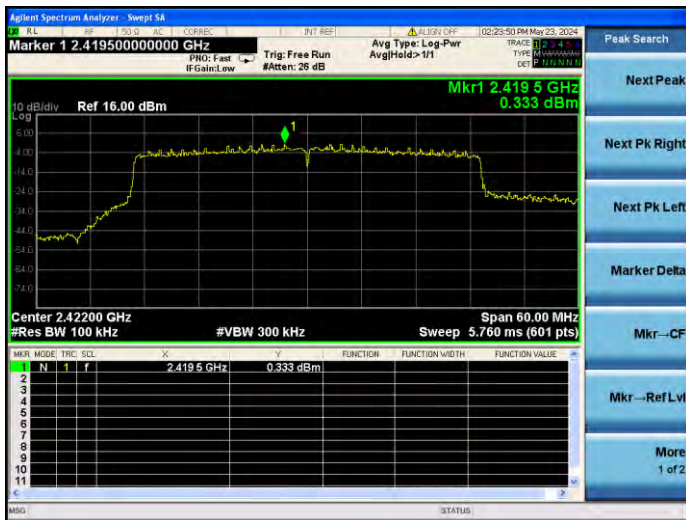
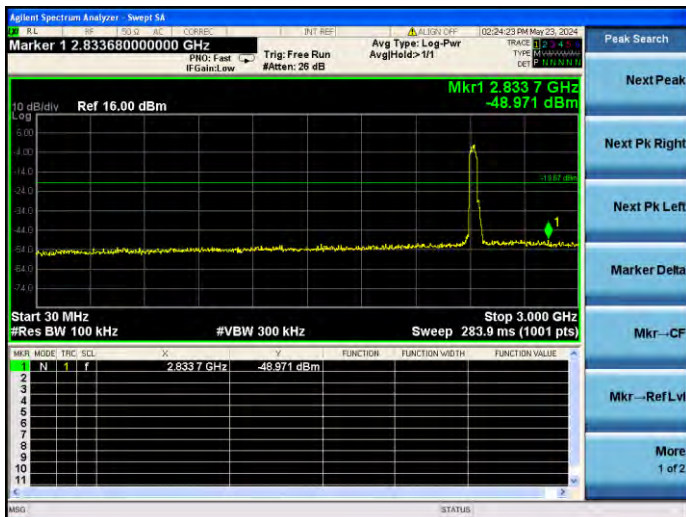
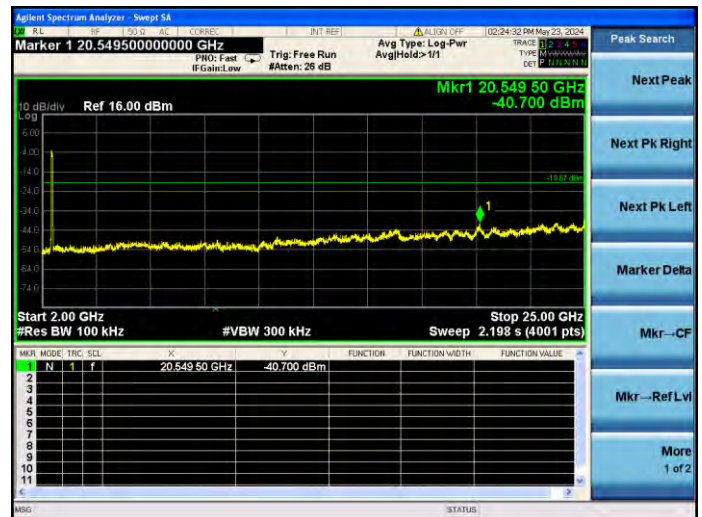
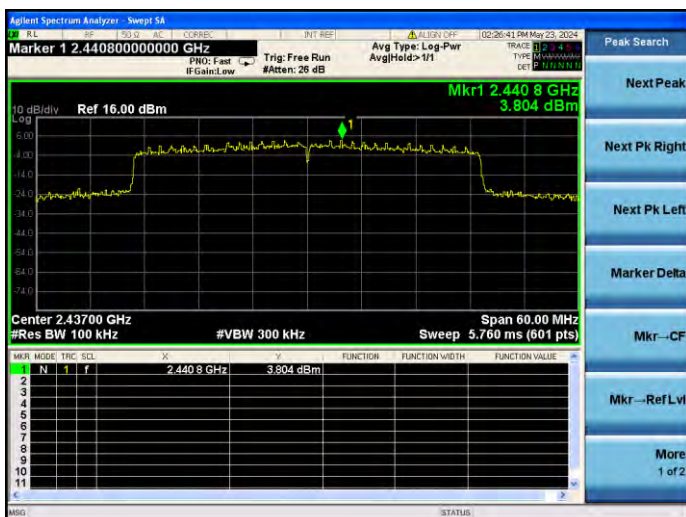
### 802.11ax-20 MHz(SU) HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



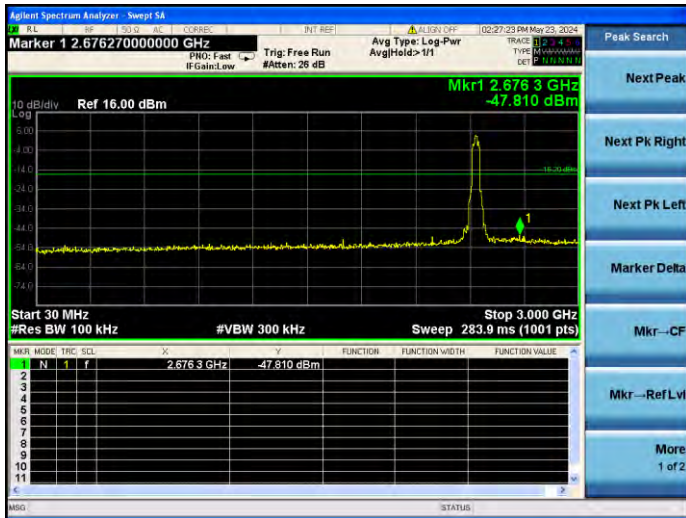
### 802.11ax-20 MHz(SU) HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



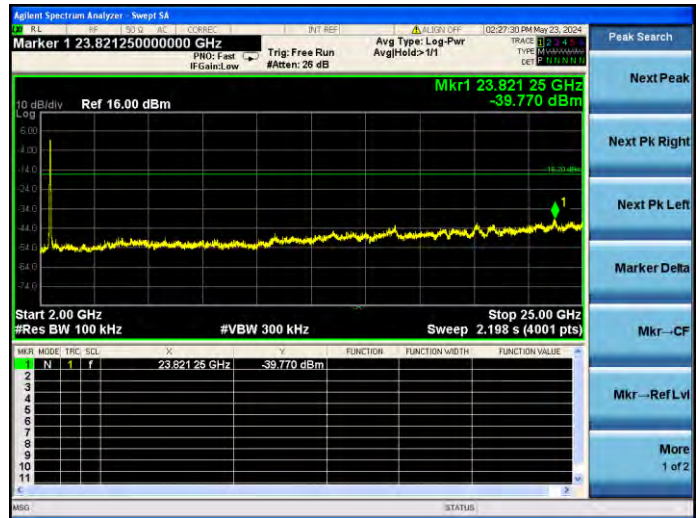
## 802.11ax-40 MHz(SU) LOW CHANNEL CARRIER LEVEL

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

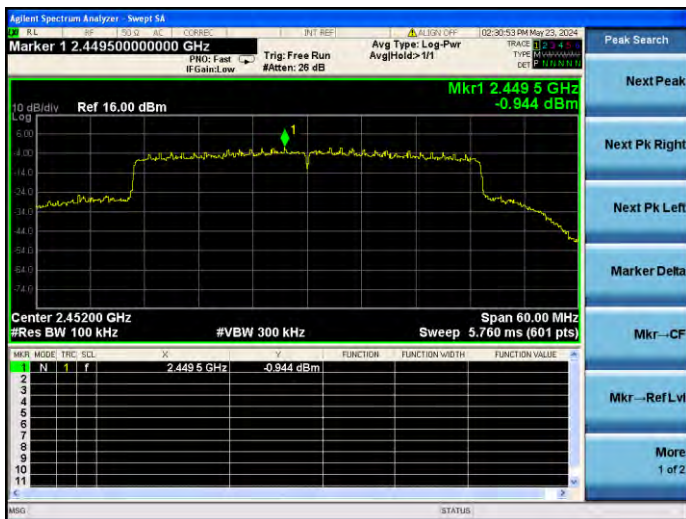
### 802.11ax-40 MHz(SU) MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



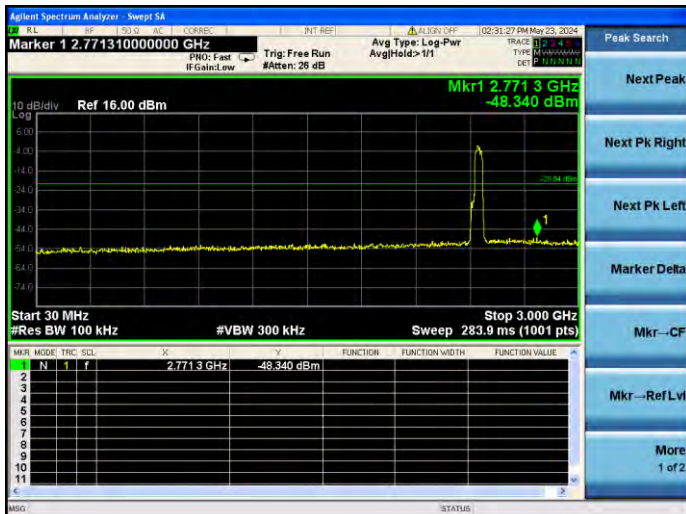
### 802.11ax-40 MHz(SU) MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



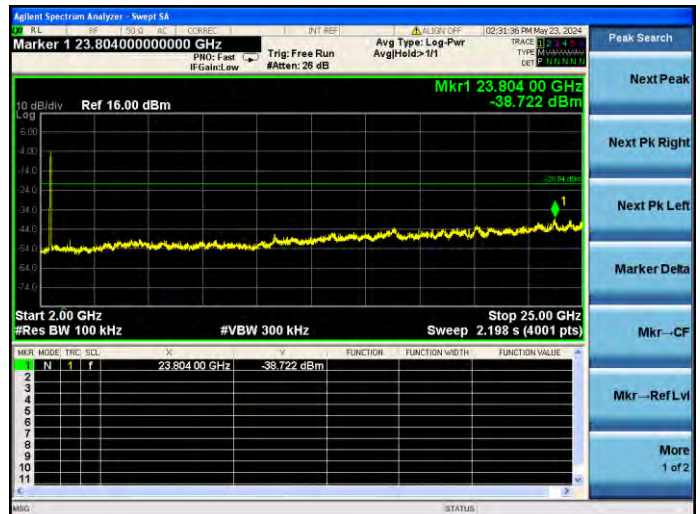
### 802.11ax-40 MHz(SU) HIGH CHANNEL CARRIER LEVEL



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



### 802.11ax-40 MHz(SU) HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 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 pre tested, but only the worst case has been reported in this report.

### SISO-0 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  | -42.48                                       | 7.49          | -12.51                     | Pass    |
| High Channel | -47.61                                       | 7.74          | -12.26                     | 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  | -35.81                                       | 5.66          | -14.34                     | Pass    |
| High Channel | -46.21                                       | 6.74          | -13.26                     | 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  | -37.35                                       | 5.89          | -14.11                     | Pass    |
| High Channel | -46.74                                       | 6.72          | -13.28                     | 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  | -35.88                                       | -0.17         | -20.17                     | Pass    |
| High Channel | -44.34                                       | 0.60          | -19.40                     | 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  | -41.03                                       | 4.42          | -15.58                     | Pass    |
| High Channel | -46.26                                       | 5.60          | -14.40                     | 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  | -33.91                                       | 0.33          | -19.67                     | Pass    |
| High Channel | -46.38                                       | -0.94         | -20.94                     | Pass    |

## SISO-0 Test Plots

802.11b LOW CHANNEL, CARRIER LEVEL



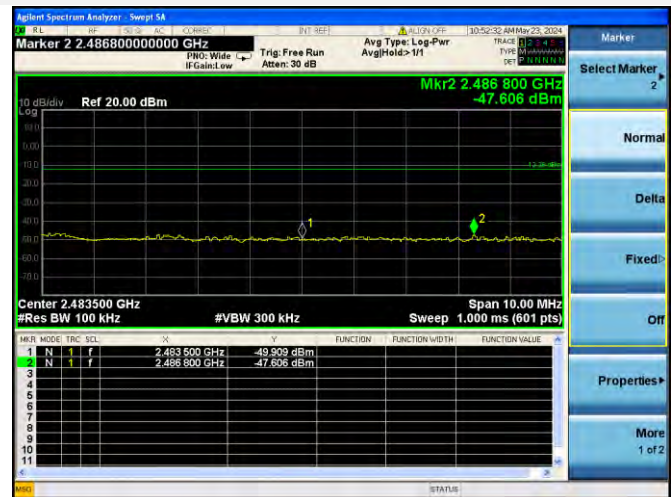
802.11b LOW CHANNEL, BAND EDGE



802.11b HIGH CHANNEL, CARRIER LEVEL



802.11b HIGH CHANNEL, BAND EDGE



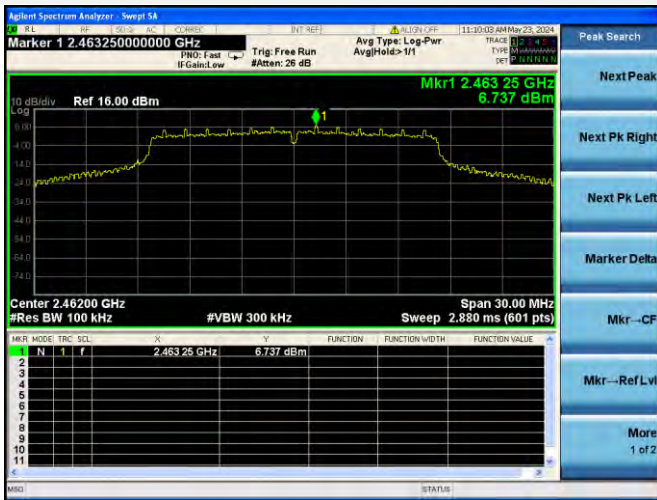
802.11g LOW CHANNEL, CARRIER LEVEL



802.11g LOW CHANNEL, BAND EDGE



## 802.11g HIGH CHANNEL, CARRIER LEVEL



## 802.11g HIGH CHANNEL, BAND EDGE



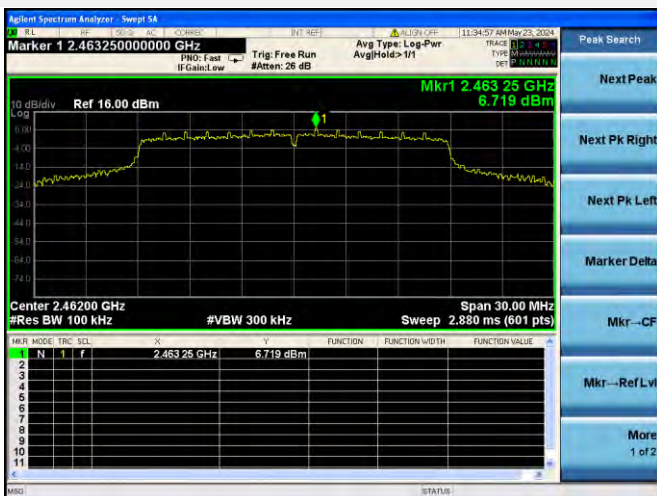
## 802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



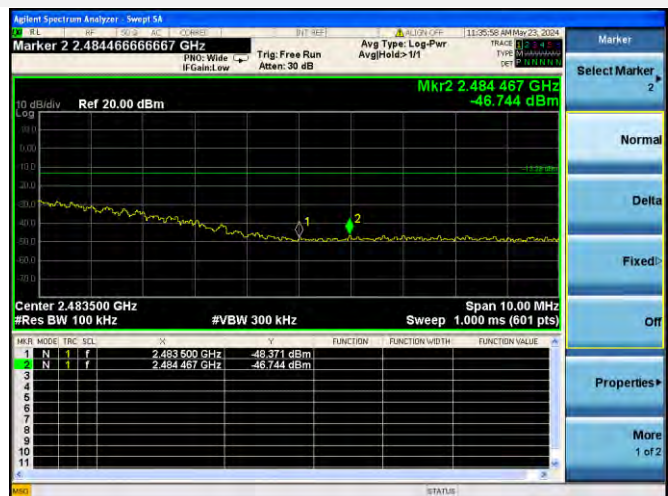
## 802.11n-20 MHz LOW CHANNEL, BAND EDGE



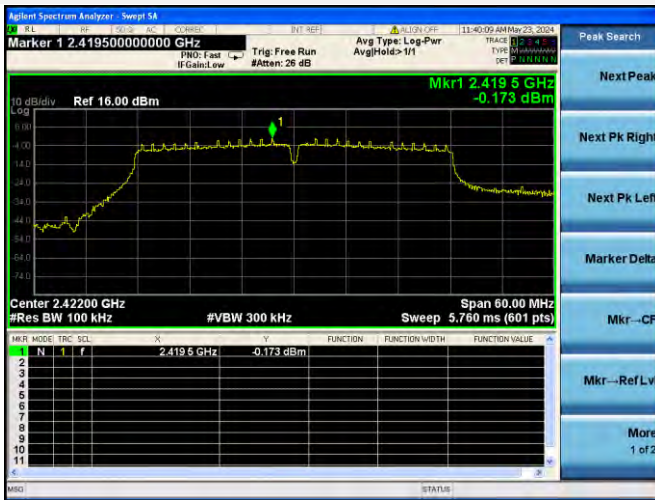
## 802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



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



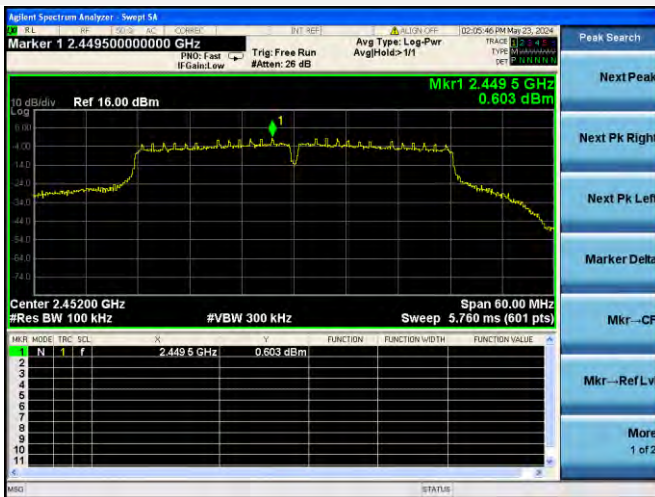
## 802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



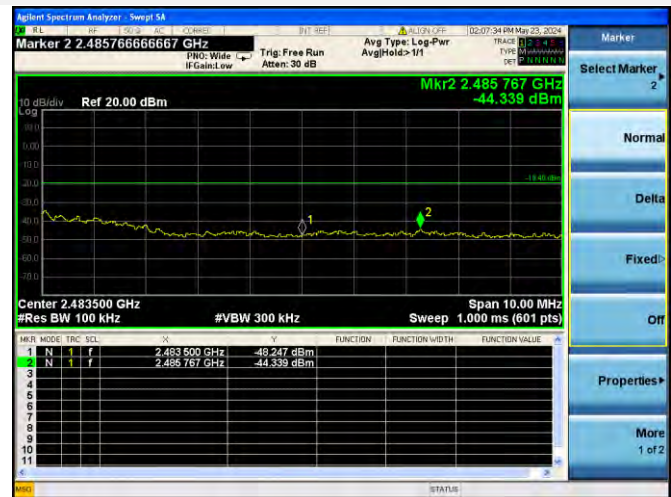
## 802.11n-40 MHz LOW CHANNEL, BAND EDGE



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



## 802.11n-40 MHz HIGH CHANNEL, BAND EDGE



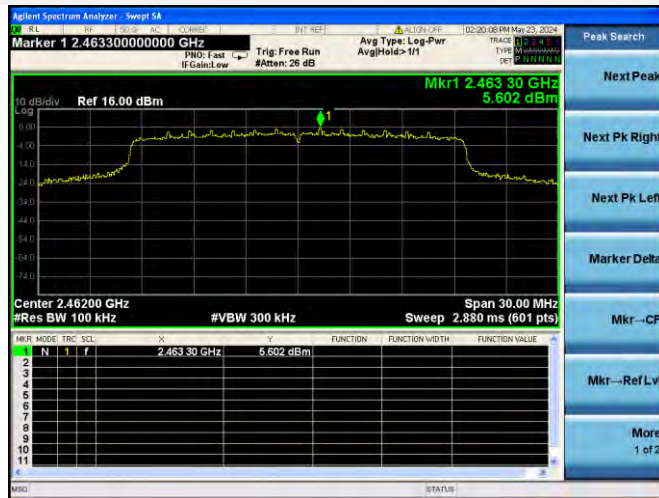
## 802.11ax-20 MHz(SU) LOW CHANNEL, CARRIER LEVEL



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



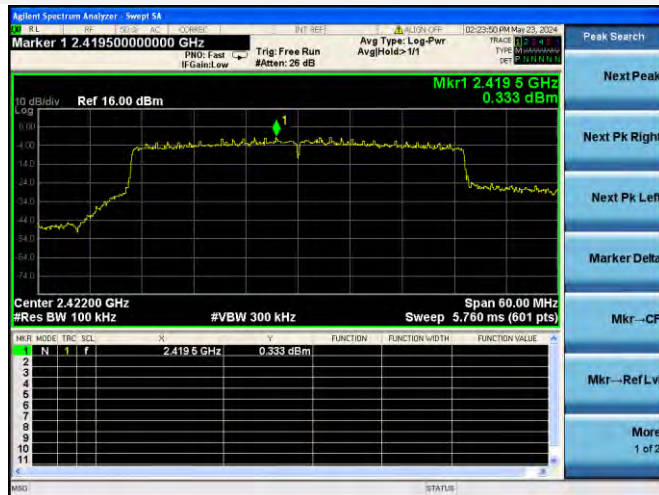
## 802.11ax-20 MHz(SU) HIGH CHANNEL, CARRIER LEVEL



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



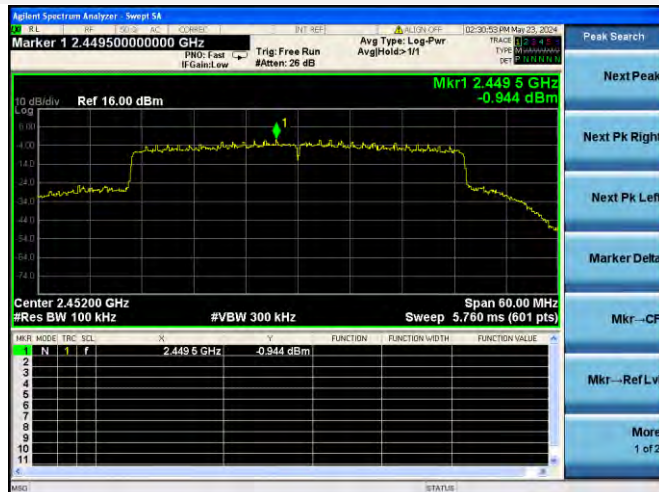
## 802.11ax-40 MHz(SU) LOW CHANNEL, CARRIER LEVEL



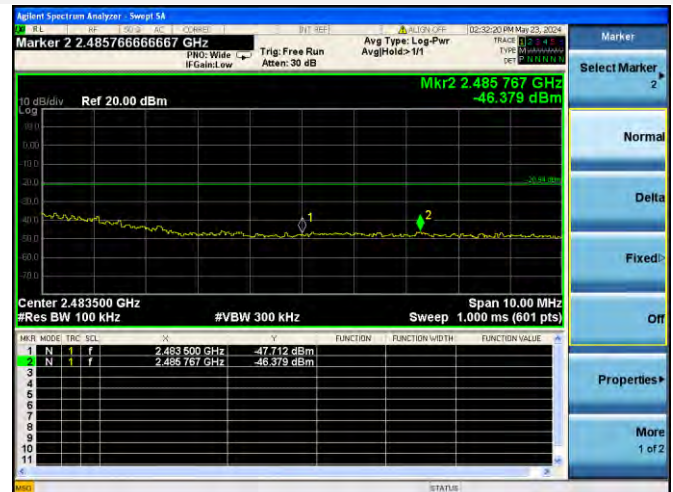
## 802.11ax-40 MHz(SU) LOW CHANNEL, BAND EDGE



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



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



## A.5 Conducted Emissions

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

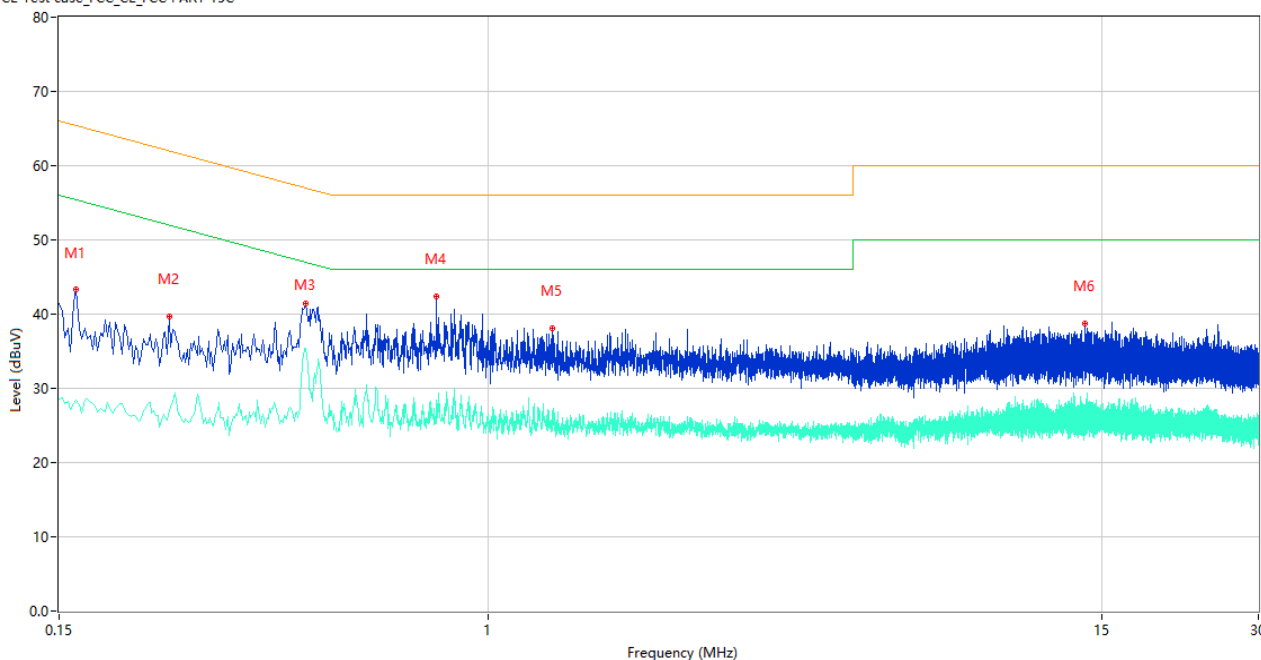
Note 2: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration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

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

### Test Data and Plots

#### PHASE L

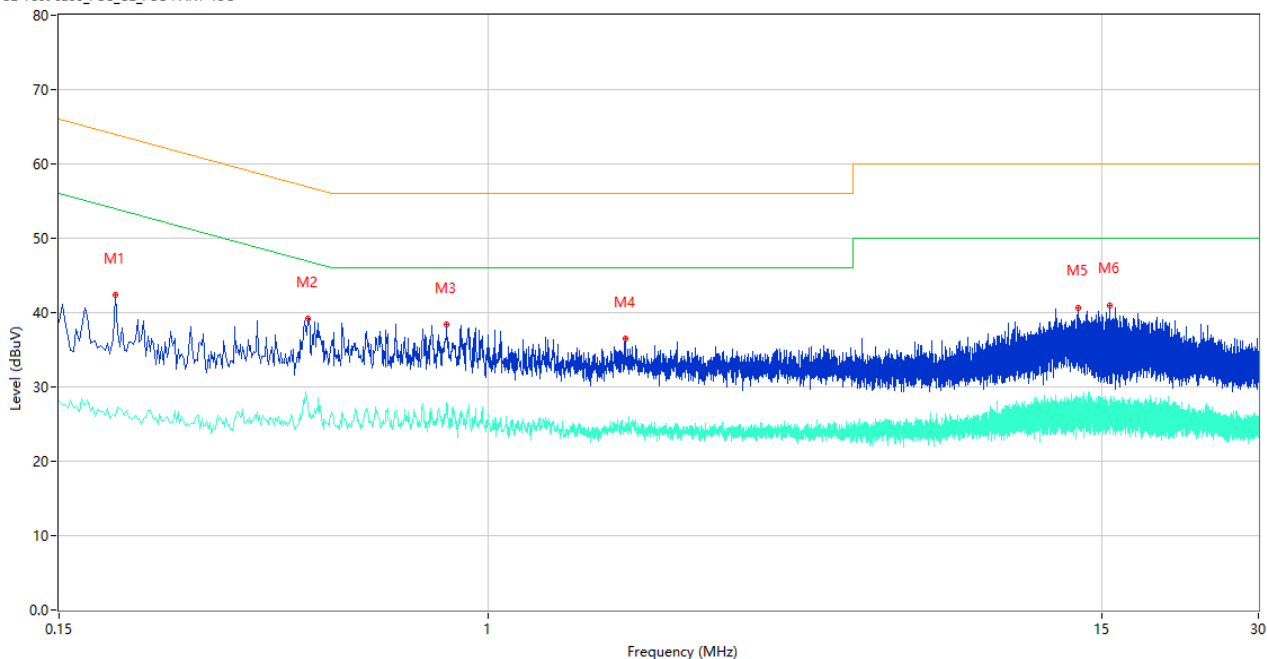
CE Test case\_FCC\_CE\_FCC PART 15C



| No. | Frequency (MHz) | Results (dBuV) | Factor (dB) | Limit (dBuV) | Margin (dB) | Detector | Line | Verdict |
|-----|-----------------|----------------|-------------|--------------|-------------|----------|------|---------|
| 1   | 0.162           | 43.33          | 9.78        | 65.36        | 22.03       | Peak     | L    | Pass    |
| 1** | 0.162           | 28.35          | 9.78        | 55.36        | 27.01       | AV       | L    | Pass    |
| 2   | 0.244           | 39.75          | 9.77        | 61.96        | 22.21       | Peak     | L    | Pass    |
| 2** | 0.244           | 26.98          | 9.77        | 51.96        | 24.98       | AV       | L    | Pass    |
| 3   | 0.446           | 41.48          | 10.07       | 56.95        | 15.47       | Peak     | L    | Pass    |
| 3** | 0.446           | 35.32          | 10.07       | 46.95        | 11.63       | AV       | L    | Pass    |
| 4   | 0.796           | 42.45          | 10.50       | 56.00        | 13.55       | Peak     | L    | Pass    |
| 4** | 0.796           | 28.43          | 10.50       | 46.00        | 17.57       | AV       | L    | Pass    |
| 5   | 1.328           | 38.14          | 10.22       | 56.00        | 17.86       | Peak     | L    | Pass    |
| 5** | 1.328           | 27.04          | 10.22       | 46.00        | 18.96       | AV       | L    | Pass    |
| 6   | 13.978          | 38.72          | 10.37       | 60.00        | 21.28       | Peak     | L    | Pass    |
| 6** | 13.978          | 27.81          | 10.37       | 50.00        | 22.19       | 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   | 0.192           | 42.36          | 9.77        | 63.95        | 21.59       | Peak     | N    | Pass    |
| 1** | 0.192           | 26.11          | 9.77        | 53.95        | 27.84       | AV       | N    | Pass    |
| 2   | 0.450           | 39.18          | 10.03       | 56.88        | 17.70       | Peak     | N    | Pass    |
| 2** | 0.450           | 27.80          | 10.03       | 46.88        | 19.08       | AV       | N    | Pass    |
| 3   | 0.832           | 38.35          | 10.59       | 56.00        | 17.65       | Peak     | N    | Pass    |
| 3** | 0.832           | 27.95          | 10.59       | 46.00        | 18.05       | AV       | N    | Pass    |
| 4   | 1.834           | 36.44          | 10.11       | 56.00        | 19.56       | Peak     | N    | Pass    |
| 4** | 1.834           | 24.50          | 10.11       | 46.00        | 21.50       | AV       | N    | Pass    |
| 5   | 13.520          | 40.65          | 10.20       | 60.00        | 19.35       | Peak     | N    | Pass    |
| 5** | 13.520          | 25.32          | 10.20       | 50.00        | 24.68       | AV       | N    | Pass    |
| 6   | 15.528          | 41.02          | 10.48       | 60.00        | 18.98       | Peak     | N    | Pass    |
| 6** | 15.528          | 24.88          | 10.48       | 50.00        | 25.12       | AV       | N    | Pass    |

## A.6 Radiated Emission

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

Note 2: 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.

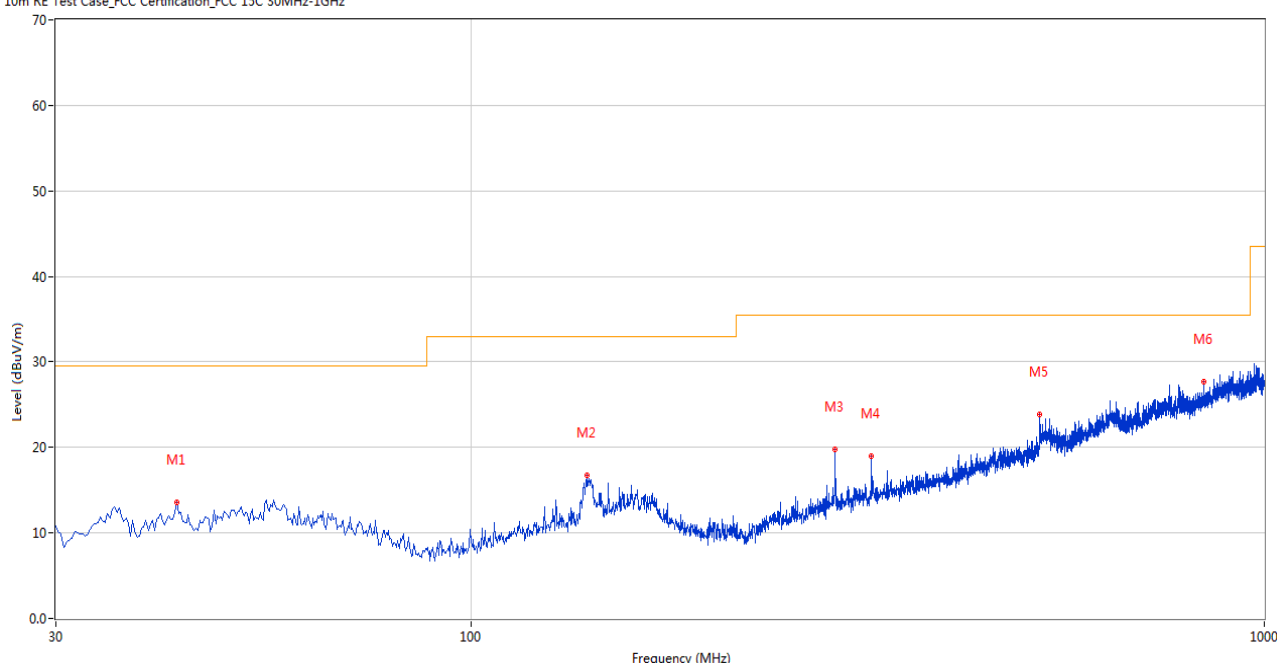
Note 3: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Note 4: 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

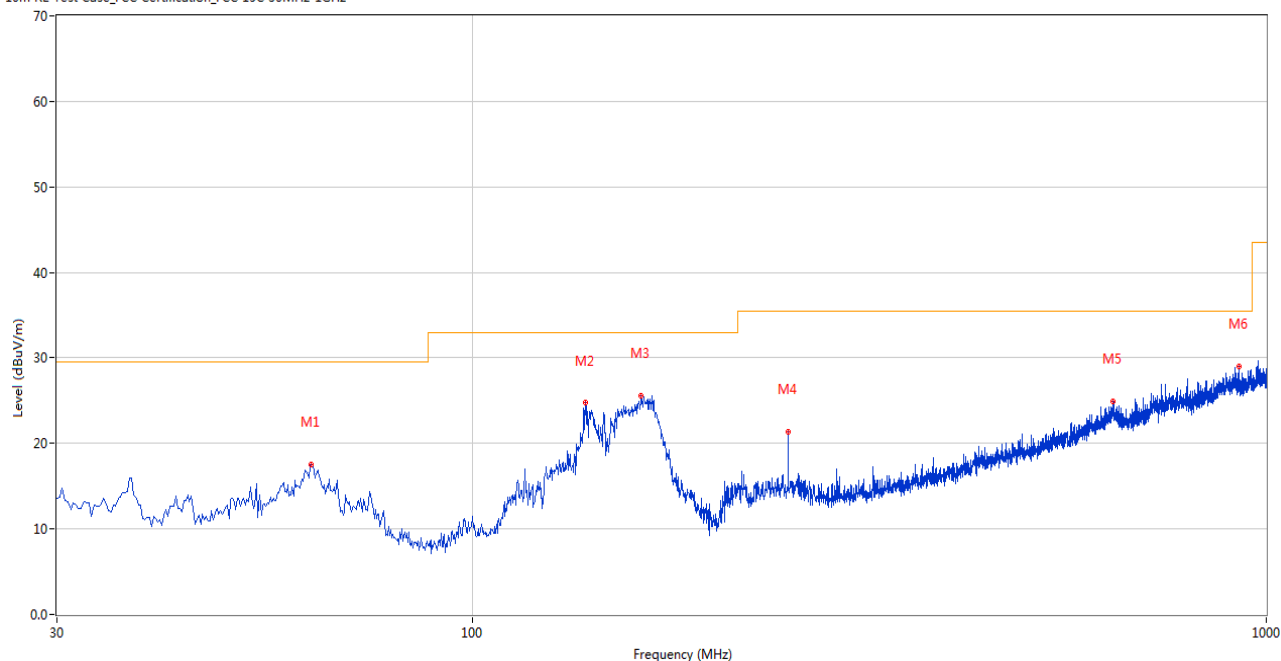
10m RE Test Case\_FCC Certification\_FCC 15C 30MHz-1GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 42.607          | 13.61            | -26.07      | 29.5           | 15.89       | Peak     | 227.00         | 200         | Horizontal | Pass    |
| 2   | 140.310         | 16.73            | -26.03      | 33.0           | 16.27       | Peak     | 25.00          | 200         | Horizontal | Pass    |
| 3   | 287.956         | 19.79            | -25.01      | 35.5           | 15.71       | Peak     | 249.00         | 200         | Horizontal | Pass    |
| 4   | 319.958         | 18.99            | -24.11      | 35.5           | 16.51       | Peak     | 0.00           | 200         | Horizontal | Pass    |
| 5   | 521.425         | 23.84            | -19.17      | 35.5           | 11.66       | Peak     | 22.00          | 200         | Horizontal | Pass    |
| 6   | 839.263         | 27.64            | -12.22      | 35.5           | 7.86        | Peak     | 152.00         | 100         | Horizontal | Pass    |

## 30 MHz to 1 GHz, ANT V

10m RE Test Case\_FCC Certification\_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   | 62.729          | 17.56            | -27.02      | 29.5           | 11.94       | Peak     | 0.00           | 200         | Vertical | Pass    |
| 2   | 138.855         | 24.72            | -26.42      | 33.0           | 8.28        | Peak     | 84.00          | 100         | Vertical | Pass    |
| 3   | 163.342         | 25.59            | -25.97      | 33.0           | 7.41        | Peak     | 121.00         | 100         | Vertical | Pass    |
| 4   | 249.893         | 21.31            | -26.98      | 35.5           | 14.19       | Peak     | 332.00         | 100         | Vertical | Pass    |
| 5   | 640.947         | 24.98            | -15.89      | 35.5           | 10.52       | Peak     | 2.00           | 100         | Vertical | Pass    |
| 6   | 924.844         | 29.00            | -10.89      | 35.5           | 6.50        | Peak     | 100.00         | 200         | 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 pre tested, but only the worst case has been reported in this report.

### SISO-0 Test Data

#### 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   | 1332.100        | 43.65            | -17.09      | 74.0           | 30.35       | Peak     | 164.00         | 200         | Horizontal | Pass    |
| 1** | 1332.100        | 32.47            | -17.09      | 54.0           | 21.53       | AV       | 164.00         | 200         | Horizontal | Pass    |
| 2   | 2413.200        | 107.38           | -10.74      | 74.0           | -33.38      | Peak     | 62.00          | 100         | Horizontal | N/A     |
| 2** | 2413.200        | 104.65           | -10.74      | 54.0           | -50.65      | AV       | 62.00          | 100         | Horizontal | N/A     |
| 3   | 4824.000        | 54.26            | -1.97       | 74.0           | 19.74       | Peak     | 290.00         | 100         | Horizontal | Pass    |
| 3** | 4824.000        | 49.97            | -1.97       | 54.0           | 4.03        | AV       | 290.00         | 100         | Horizontal | Pass    |
| 4   | 4824.200        | 52.93            | -2.04       | 74.0           | 21.07       | Peak     | 290.00         | 150         | Horizontal | Pass    |
| 4** | 4824.200        | 50.31            | -2.04       | 54.0           | 3.69        | AV       | 290.00         | 150         | Horizontal | Pass    |
| 5   | 7235.750        | 48.72            | -3.49       | 74.0           | 25.28       | Peak     | 359.00         | 150         | Horizontal | Pass    |
| 5** | 7235.750        | 43.97            | -3.49       | 54.0           | 10.03       | AV       | 359.00         | 150         | Horizontal | Pass    |
| 6   | 13294.425       | 55.77            | 0.83        | 74.0           | 18.23       | Peak     | 170.00         | 150         | Horizontal | Pass    |
| 6** | 13294.425       | 46.28            | 0.83        | 54.0           | 7.72        | AV       | 170.00         | 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   | 1164.500        | 44.82            | -17.57      | 74.0           | 29.18       | Peak     | 70.00          | 400         | Vertical | Pass    |
| 1** | 1164.500        | 34.80            | -17.57      | 54.0           | 19.20       | AV       | 70.00          | 400         | Vertical | Pass    |
| 2   | 2413.200        | 102.40           | -10.74      | 74.0           | -28.40      | Peak     | 9.00           | 100         | Vertical | N/A     |
| 2** | 2413.200        | 99.66            | -10.74      | 54.0           | -45.66      | AV       | 9.00           | 100         | Vertical | N/A     |
| 3   | 4824.000        | 52.94            | -1.97       | 74.0           | 21.06       | Peak     | 128.00         | 200         | Vertical | Pass    |
| 3** | 4824.000        | 48.17            | -1.97       | 54.0           | 5.83        | AV       | 128.00         | 200         | Vertical | Pass    |
| 4   | 4824.200        | 52.34            | -2.04       | 74.0           | 21.66       | Peak     | 139.00         | 150         | Vertical | Pass    |
| 4** | 4824.200        | 48.78            | -2.04       | 54.0           | 5.22        | AV       | 139.00         | 150         | Vertical | Pass    |
| 5   | 7237.188        | 49.11            | -3.68       | 74.0           | 24.89       | Peak     | 127.00         | 150         | Vertical | Pass    |
| 5** | 7237.188        | 44.08            | -3.68       | 54.0           | 9.92        | AV       | 127.00         | 150         | Vertical | Pass    |
| 6   | 17403.599       | 56.30            | 3.28        | 74.0           | 17.70       | Peak     | 345.00         | 400         | Vertical | Pass    |
| 6** | 17403.599       | 46.92            | 3.28        | 54.0           | 7.08        | AV       | 345.00         | 400         | 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   | 1330.900        | 45.58            | -17.00      | 74.0           | 28.42       | Peak     | 109.00         | 300         | Horizontal | Pass    |
| 1** | 1330.900        | 32.65            | -17.00      | 54.0           | 21.35       | AV       | 109.00         | 300         | Horizontal | Pass    |
| 2   | 2435.800        | 106.44           | -12.14      | 74.0           | -32.44      | Peak     | 70.00          | 200         | Horizontal | N/A     |
| 2** | 2435.800        | 103.55           | -12.14      | 54.0           | -49.55      | AV       | 70.00          | 200         | Horizontal | N/A     |
| 3   | 4873.800        | 54.03            | -2.66       | 74.0           | 19.97       | Peak     | 301.00         | 200         | Horizontal | Pass    |
| 3** | 4873.800        | 48.52            | -2.66       | 54.0           | 5.48        | AV       | 301.00         | 200         | Horizontal | Pass    |
| 4   | 4874.000        | 53.78            | -2.66       | 74.0           | 20.22       | Peak     | 301.00         | 150         | Horizontal | Pass    |
| 4** | 4874.000        | 49.88            | -2.66       | 54.0           | 4.12        | AV       | 301.00         | 150         | Horizontal | Pass    |
| 5   | 13297.313       | 54.95            | 0.85        | 74.0           | 19.05       | Peak     | 140.00         | 150         | Horizontal | Pass    |
| 5** | 13297.313       | 46.26            | 0.85        | 54.0           | 7.74        | AV       | 140.00         | 150         | Horizontal | Pass    |
| 6   | 17443.762       | 56.99            | 2.90        | 74.0           | 17.01       | Peak     | 279.00         | 100         | Horizontal | Pass    |
| 6** | 17443.762       | 46.31            | 2.90        | 54.0           | 7.69        | AV       | 279.00         | 100         | 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   | 1166.600        | 45.58            | -17.65      | 74.0           | 28.42       | Peak     | 79.00          | 300         | Vertical | Pass    |
| 1** | 1166.600        | 33.57            | -17.65      | 54.0           | 20.43       | AV       | 79.00          | 300         | Vertical | Pass    |
| 2   | 2435.900        | 102.96           | -12.14      | 74.0           | -28.96      | Peak     | 11.00          | 200         | Vertical | N/A     |
| 2** | 2435.900        | 100.23           | -12.14      | 54.0           | -46.23      | AV       | 11.00          | 200         | Vertical | N/A     |
| 3   | 4874.000        | 53.90            | -2.66       | 74.0           | 20.10       | Peak     | 0.00           | 150         | Vertical | Pass    |
| 3** | 4874.000        | 49.13            | -2.66       | 54.0           | 4.87        | AV       | 0.00           | 150         | Vertical | Pass    |
| 4   | 4874.400        | 52.51            | -2.66       | 74.0           | 21.49       | Peak     | 218.00         | 150         | Vertical | Pass    |
| 4** | 4874.400        | 50.61            | -2.66       | 54.0           | 3.39        | AV       | 218.00         | 150         | Vertical | Pass    |
| 5   | 13320.150       | 55.71            | 0.91        | 74.0           | 18.29       | Peak     | 13.00          | 150         | Vertical | Pass    |
| 5** | 13320.150       | 47.19            | 0.91        | 54.0           | 6.81        | AV       | 13.00          | 150         | Vertical | Pass    |
| 6   | 17355.301       | 56.02            | 2.09        | 74.0           | 17.98       | Peak     | 90.00          | 100         | Vertical | Pass    |
| 6** | 17355.301       | 46.62            | 2.09        | 54.0           | 7.38        | AV       | 90.00          | 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   | 1329.800        | 42.95            | -17.01      | 74.0           | 31.05       | Peak     | 107.00         | 400         | Horizontal | Pass    |
| 1** | 1329.800        | 32.93            | -17.01      | 54.0           | 21.07       | AV       | 107.00         | 400         | Horizontal | Pass    |
| 2   | 2463.100        | 106.42           | -11.78      | 74.0           | -32.42      | Peak     | 51.00          | 150         | Horizontal | N/A     |
| 2** | 2463.100        | 103.69           | -11.78      | 54.0           | -49.69      | AV       | 51.00          | 150         | Horizontal | N/A     |
| 3   | 4923.800        | 52.84            | -2.43       | 74.0           | 21.16       | Peak     | 287.00         | 150         | Horizontal | Pass    |
| 3** | 4923.800        | 49.13            | -2.43       | 54.0           | 4.87        | AV       | 287.00         | 150         | Horizontal | Pass    |
| 4   | 4924.000        | 52.90            | -2.42       | 74.0           | 21.10       | Peak     | 287.00         | 150         | Horizontal | Pass    |
| 4** | 4924.000        | 48.26            | -2.42       | 54.0           | 5.74        | AV       | 287.00         | 150         | Horizontal | Pass    |
| 5   | 13323.825       | 55.53            | 0.92        | 74.0           | 18.47       | Peak     | 290.00         | 150         | Horizontal | Pass    |
| 5** | 13323.825       | 46.71            | 0.92        | 54.0           | 7.29        | AV       | 290.00         | 150         | Horizontal | Pass    |
| 6   | 15403.350       | 55.76            | 0.79        | 74.0           | 18.24       | Peak     | 326.00         | 150         | Horizontal | Pass    |
| 6** | 15403.350       | 45.66            | 0.79        | 54.0           | 8.34        | AV       | 326.00         | 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   | 1328.300        | 46.11            | -17.10      | 74.0           | 27.89       | Peak     | 106.00         | 300         | Vertical | Pass    |
| 1** | 1328.300        | 34.93            | -17.10      | 54.0           | 19.07       | AV       | 106.00         | 300         | Vertical | Pass    |
| 2   | 2463.100        | 101.93           | -11.78      | 74.0           | -27.93      | Peak     | 67.00          | 200         | Vertical | N/A     |
| 2** | 2463.100        | 99.17            | -11.78      | 54.0           | -45.17      | AV       | 67.00          | 200         | Vertical | N/A     |
| 3   | 4924.000        | 53.27            | -2.42       | 74.0           | 20.73       | Peak     | 0.00           | 150         | Vertical | Pass    |
| 3** | 4924.000        | 50.06            | -2.42       | 54.0           | 3.94        | AV       | 0.00           | 150         | Vertical | Pass    |
| 4   | 4924.200        | 53.77            | -2.42       | 74.0           | 20.23       | Peak     | 0.00           | 150         | Vertical | Pass    |
| 4** | 4924.200        | 49.69            | -2.42       | 54.0           | 4.31        | AV       | 0.00           | 150         | Vertical | Pass    |
| 5   | 7387.262        | 48.65            | -3.99       | 74.0           | 25.35       | Peak     | 282.00         | 150         | Vertical | Pass    |
| 5** | 7387.262        | 44.10            | -3.99       | 54.0           | 9.90        | AV       | 282.00         | 150         | Vertical | Pass    |
| 6   | 13429.613       | 55.51            | 0.40        | 74.0           | 18.49       | Peak     | 76.00          | 150         | Vertical | Pass    |
| 6** | 13429.613       | 46.23            | 0.40        | 54.0           | 7.77        | AV       | 76.00          | 150         | 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   | 1331.300        | 43.09            | -17.03      | 74.0           | 30.91       | Peak     | 117.00         | 300         | Horizontal | Pass    |
| 1** | 1331.300        | 33.58            | -17.03      | 54.0           | 20.42       | AV       | 117.00         | 300         | Horizontal | Pass    |
| 2   | 2405.300        | 110.10           | -10.25      | 74.0           | -36.10      | Peak     | 76.00          | 200         | Horizontal | N/A     |
| 2** | 2405.300        | 102.07           | -10.25      | 54.0           | -48.07      | AV       | 76.00          | 200         | Horizontal | N/A     |
| 3   | 4820.200        | 49.99            | -2.08       | 74.0           | 24.01       | Peak     | 196.00         | 150         | Horizontal | Pass    |
| 3** | 4820.200        | 44.99            | -2.08       | 54.0           | 9.01        | AV       | 196.00         | 150         | Horizontal | Pass    |
| 4   | 7232.875        | 49.26            | -3.32       | 74.0           | 24.74       | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 4** | 7232.875        | 43.31            | -3.32       | 54.0           | 10.69       | AV       | 360.00         | 150         | Horizontal | Pass    |
| 5   | 13424.362       | 56.08            | 0.40        | 74.0           | 17.92       | Peak     | 345.00         | 150         | Horizontal | Pass    |
| 5** | 13424.362       | 46.35            | 0.40        | 54.0           | 7.65        | AV       | 345.00         | 150         | Horizontal | Pass    |
| 6   | 17416.200       | 57.40            | 3.67        | 74.0           | 16.60       | Peak     | 230.00         | 400         | Horizontal | Pass    |
| 6** | 17416.200       | 47.28            | 3.67        | 54.0           | 6.72        | AV       | 230.00         | 400         | 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   | 1333.500        | 44.74            | -17.11      | 74.0           | 29.26       | Peak     | 360.00         | 400         | Vertical | Pass    |
| 1** | 1333.500        | 37.29            | -17.11      | 54.0           | 16.71       | AV       | 360.00         | 400         | Vertical | Pass    |
| 2   | 2414.300        | 102.90           | -10.81      | 74.0           | -28.90      | Peak     | 74.00          | 100         | Vertical | N/A     |
| 2** | 2414.300        | 95.37            | -10.81      | 54.0           | -41.37      | AV       | 74.00          | 100         | Vertical | N/A     |
| 3   | 4830.200        | 52.06            | -2.51       | 74.0           | 21.94       | Peak     | 129.00         | 100         | Vertical | Pass    |
| 3** | 4830.200        | 43.06            | -2.51       | 54.0           | 10.94       | AV       | 129.00         | 100         | Vertical | Pass    |
| 4   | 7235.463        | 48.50            | -3.47       | 74.0           | 25.50       | Peak     | 206.00         | 150         | Vertical | Pass    |
| 4** | 7235.463        | 43.74            | -3.47       | 54.0           | 10.26       | AV       | 206.00         | 150         | Vertical | Pass    |
| 5   | 13436.701       | 56.08            | 0.43        | 74.0           | 17.92       | Peak     | 171.00         | 150         | Vertical | Pass    |
| 5** | 13436.701       | 46.48            | 0.43        | 54.0           | 7.52        | AV       | 171.00         | 150         | Vertical | Pass    |
| 6   | 17468.436       | 56.54            | 2.90        | 74.0           | 17.46       | Peak     | 0.00           | 300         | Vertical | Pass    |
| 6** | 17468.436       | 47.35            | 2.90        | 54.0           | 6.65        | AV       | 0.00           | 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   | 1384.200        | 42.35            | -17.09      | 74.0           | 31.65       | Peak     | 256.00         | 400         | Horizontal | Pass    |
| 1** | 1384.200        | 33.80            | -17.09      | 54.0           | 20.20       | AV       | 256.00         | 400         | Horizontal | Pass    |
| 2   | 2435.200        | 109.61           | -12.16      | 74.0           | -35.61      | Peak     | 62.00          | 150         | Horizontal | N/A     |
| 2** | 2435.200        | 101.45           | -12.16      | 54.0           | -47.45      | AV       | 62.00          | 150         | Horizontal | N/A     |
| 3   | 4518.600        | 50.07            | -3.22       | 74.0           | 23.93       | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 3** | 4518.600        | 40.23            | -3.22       | 54.0           | 13.77       | AV       | 360.00         | 150         | Horizontal | Pass    |
| 4   | 6993.600        | 55.47            | 1.90        | 74.0           | 18.53       | Peak     | 245.00         | 100         | Horizontal | Pass    |
| 4** | 6993.600        | 45.13            | 1.90        | 54.0           | 8.87        | AV       | 245.00         | 100         | Horizontal | Pass    |
| 5   | 13332.225       | 55.96            | 0.97        | 74.0           | 18.04       | Peak     | 290.00         | 150         | Horizontal | Pass    |
| 5** | 13332.225       | 45.72            | 0.97        | 54.0           | 8.28        | AV       | 290.00         | 150         | Horizontal | Pass    |
| 6   | 17436.938       | 55.99            | 3.17        | 74.0           | 18.01       | Peak     | 360.00         | 200         | Horizontal | Pass    |
| 6** | 17436.938       | 45.74            | 3.17        | 54.0           | 8.26        | AV       | 360.00         | 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   | 1000.100        | 44.29            | -17.99      | 74.0           | 29.71       | Peak     | 197.00         | 100         | Vertical | Pass    |
| 1** | 1000.100        | 32.11            | -17.99      | 54.0           | 21.89       | AV       | 197.00         | 100         | Vertical | Pass    |
| 2   | 2435.800        | 105.11           | -12.14      | 74.0           | -31.11      | Peak     | 71.00          | 150         | Vertical | N/A     |
| 2** | 2435.800        | 97.93            | -12.14      | 54.0           | -43.93      | AV       | 71.00          | 150         | Vertical | N/A     |
| 3   | 4870.000        | 52.27            | -2.64       | 74.0           | 21.73       | Peak     | 360.00         | 200         | Vertical | Pass    |
| 3** | 4870.000        | 43.12            | -2.64       | 54.0           | 10.88       | AV       | 360.00         | 200         | Vertical | Pass    |
| 4   | 6630.000        | 54.45            | -0.48       | 74.0           | 19.55       | Peak     | 123.00         | 200         | Vertical | Pass    |
| 4** | 6630.000        | 44.46            | -0.48       | 54.0           | 9.54        | AV       | 123.00         | 200         | Vertical | Pass    |
| 5   | 13426.725       | 55.52            | 0.40        | 74.0           | 18.48       | Peak     | 232.00         | 150         | Vertical | Pass    |
| 5** | 13426.725       | 47.06            | 0.40        | 54.0           | 6.94        | AV       | 232.00         | 150         | Vertical | Pass    |
| 6   | 17405.176       | 56.07            | 3.32        | 74.0           | 17.93       | Peak     | 308.00         | 100         | Vertical | Pass    |
| 6** | 17405.176       | 46.38            | 3.32        | 54.0           | 7.62        | AV       | 308.00         | 100         | 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   | 1328.300        | 44.05            | -17.10      | 74.0           | 29.95       | Peak     | 219.00         | 400         | Horizontal | Pass    |
| 1** | 1328.300        | 32.97            | -17.10      | 54.0           | 21.03       | AV       | 219.00         | 400         | Horizontal | Pass    |
| 2   | 2463.100        | 109.03           | -11.78      | 74.0           | -35.03      | Peak     | 85.00          | 150         | Horizontal | N/A     |
| 2** | 2463.100        | 101.78           | -11.78      | 54.0           | -47.78      | AV       | 85.00          | 150         | Horizontal | N/A     |
| 3   | 4925.200        | 49.19            | -2.40       | 74.0           | 24.81       | Peak     | 31.00          | 150         | Horizontal | Pass    |
| 3** | 4925.200        | 45.63            | -2.40       | 54.0           | 8.37        | AV       | 31.00          | 150         | Horizontal | Pass    |
| 4   | 8538.700        | 50.33            | -2.07       | 74.0           | 23.67       | Peak     | 185.00         | 150         | Horizontal | Pass    |
| 4** | 8538.700        | 39.84            | -2.07       | 54.0           | 14.16       | AV       | 185.00         | 150         | Horizontal | Pass    |
| 5   | 13297.313       | 55.53            | 0.85        | 74.0           | 18.47       | Peak     | 31.00          | 150         | Horizontal | Pass    |
| 5** | 13297.313       | 45.91            | 0.85        | 54.0           | 8.09        | AV       | 31.00          | 150         | Horizontal | Pass    |
| 6   | 15782.925       | 55.95            | 1.70        | 74.0           | 18.05       | Peak     | 342.00         | 400         | Horizontal | Pass    |
| 6** | 15782.925       | 47.02            | 1.70        | 54.0           | 6.98        | AV       | 342.00         | 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   | 1163.500        | 46.79            | -17.59      | 74.0           | 27.21       | Peak     | 0.00           | 200         | Vertical | Pass    |
| 1** | 1163.500        | 32.47            | -17.59      | 54.0           | 21.53       | AV       | 0.00           | 200         | Vertical | Pass    |
| 2   | 2463.100        | 105.97           | -11.78      | 74.0           | -31.97      | Peak     | 67.00          | 150         | Vertical | N/A     |
| 2** | 2463.100        | 99.26            | -11.78      | 54.0           | -45.26      | AV       | 67.00          | 150         | Vertical | N/A     |
| 3   | 4936.400        | 52.00            | -2.07       | 74.0           | 22.00       | Peak     | 0.00           | 150         | Vertical | Pass    |
| 3** | 4936.400        | 42.20            | -2.07       | 54.0           | 11.80       | AV       | 0.00           | 150         | Vertical | Pass    |
| 4   | 7382.087        | 49.77            | -3.36       | 74.0           | 24.23       | Peak     | 141.00         | 150         | Vertical | Pass    |
| 4** | 7382.087        | 43.75            | -3.36       | 54.0           | 10.25       | AV       | 141.00         | 150         | Vertical | Pass    |
| 5   | 13320.937       | 55.15            | 0.91        | 74.0           | 18.85       | Peak     | 121.00         | 150         | Vertical | Pass    |
| 5** | 13320.937       | 47.07            | 0.91        | 54.0           | 6.93        | AV       | 121.00         | 150         | Vertical | Pass    |
| 6   | 17468.176       | 56.44            | 2.90        | 74.0           | 17.56       | Peak     | 121.00         | 100         | Vertical | Pass    |
| 6** | 17468.176       | 47.16            | 2.90        | 54.0           | 6.84        | AV       | 121.00         | 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   | 1329.500        | 44.87            | -17.03      | 74.0           | 29.13       | Peak     | 122.00         | 100         | Horizontal | Pass    |
| 1** | 1329.500        | 33.31            | -17.03      | 54.0           | 20.69       | AV       | 122.00         | 100         | Horizontal | Pass    |
| 2   | 2410.300        | 110.28           | -10.52      | 74.0           | -36.28      | Peak     | 73.00          | 100         | Horizontal | N/A     |
| 2** | 2410.300        | 102.86           | -10.52      | 54.0           | -48.86      | AV       | 73.00          | 100         | Horizontal | N/A     |
| 3   | 4816.800        | 51.27            | -2.24       | 74.0           | 22.73       | Peak     | 319.00         | 150         | Horizontal | Pass    |
| 3** | 4816.800        | 42.41            | -2.24       | 54.0           | 11.59       | AV       | 319.00         | 150         | Horizontal | Pass    |
| 4   | 7235.175        | 48.19            | -3.45       | 74.0           | 25.81       | Peak     | 359.00         | 150         | Horizontal | Pass    |
| 4** | 7235.175        | 43.46            | -3.45       | 54.0           | 10.54       | AV       | 359.00         | 150         | Horizontal | Pass    |
| 5   | 13438.012       | 55.32            | 0.45        | 74.0           | 18.68       | Peak     | 271.00         | 150         | Horizontal | Pass    |
| 5** | 13438.012       | 46.47            | 0.45        | 54.0           | 7.53        | AV       | 271.00         | 150         | Horizontal | Pass    |
| 6   | 16229.437       | 56.28            | 1.31        | 74.0           | 17.72       | Peak     | 0.00           | 300         | Horizontal | Pass    |
| 6** | 16229.437       | 45.62            | 1.31        | 54.0           | 8.38        | AV       | 0.00           | 300         | 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   | 1165.100        | 47.06            | -17.58      | 74.0           | 26.94       | Peak     | 42.00          | 100         | Vertical | Pass    |
| 1** | 1165.100        | 35.53            | -17.58      | 54.0           | 18.47       | AV       | 42.00          | 100         | Vertical | Pass    |
| 2   | 2413.400        | 103.03           | -10.75      | 74.0           | -29.03      | Peak     | 70.00          | 100         | Vertical | N/A     |
| 2** | 2413.400        | 95.51            | -10.75      | 54.0           | -41.51      | AV       | 70.00          | 100         | Vertical | N/A     |
| 3   | 2852.500        | 51.34            | -8.35       | 74.0           | 22.66       | Peak     | 320.00         | 150         | Vertical | Pass    |
| 3** | 2852.500        | 42.44            | -8.35       | 54.0           | 11.56       | AV       | 320.00         | 150         | Vertical | Pass    |
| 4   | 5967.200        | 54.20            | 0.15        | 74.0           | 19.80       | Peak     | 70.00          | 300         | Vertical | Pass    |
| 4** | 5967.200        | 45.28            | 0.15        | 54.0           | 8.72        | AV       | 70.00          | 300         | Vertical | Pass    |
| 5   | 7234.313        | 48.84            | -3.39       | 74.0           | 25.16       | Peak     | 309.00         | 150         | Vertical | Pass    |
| 5** | 7234.313        | 44.41            | -3.39       | 54.0           | 9.59        | AV       | 309.00         | 150         | Vertical | Pass    |
| 6   | 13431.713       | 55.80            | 0.40        | 74.0           | 18.20       | Peak     | 0.00           | 150         | Vertical | Pass    |
| 6** | 13431.713       | 46.40            | 0.40        | 54.0           | 7.60        | AV       | 0.00           | 150         | 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   | 1544.400        | 42.25            | -17.25      | 74.0           | 31.75       | Peak     | 147.00         | 400         | Horizontal | Pass    |
| 1** | 1544.400        | 33.05            | -17.25      | 54.0           | 20.95       | AV       | 147.00         | 400         | Horizontal | Pass    |
| 2   | 2434.500        | 109.35           | -12.20      | 74.0           | -35.35      | Peak     | 52.00          | 200         | Horizontal | N/A     |
| 2** | 2434.500        | 101.00           | -12.20      | 54.0           | -47.00      | AV       | 52.00          | 200         | Horizontal | N/A     |
| 3   | 4702.800        | 51.40            | -2.88       | 74.0           | 22.60       | Peak     | 259.00         | 150         | Horizontal | Pass    |
| 3** | 4702.800        | 41.24            | -2.88       | 54.0           | 12.76       | AV       | 259.00         | 150         | Horizontal | Pass    |
| 4   | 6155.000        | 54.91            | 0.13        | 74.0           | 19.09       | Peak     | 17.00          | 200         | Horizontal | Pass    |
| 4** | 6155.000        | 44.92            | 0.13        | 54.0           | 9.08        | AV       | 17.00          | 200         | Horizontal | Pass    |
| 5   | 13457.438       | 55.37            | 0.67        | 74.0           | 18.63       | Peak     | 98.00          | 150         | Horizontal | Pass    |
| 5** | 13457.438       | 46.11            | 0.67        | 54.0           | 7.89        | AV       | 98.00          | 150         | Horizontal | Pass    |
| 6   | 17432.474       | 56.08            | 3.36        | 74.0           | 17.92       | Peak     | 212.00         | 400         | Horizontal | Pass    |
| 6** | 17432.474       | 47.80            | 3.36        | 54.0           | 6.20        | AV       | 212.00         | 400         | 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   | 1166.100        | 47.16            | -17.62      | 74.0           | 26.84       | Peak     | 0.00           | 300         | Vertical | Pass    |
| 1** | 1166.100        | 36.08            | -17.62      | 54.0           | 17.92       | AV       | 0.00           | 300         | Vertical | Pass    |
| 2   | 2436.100        | 104.80           | -12.13      | 74.0           | -30.80      | Peak     | 73.00          | 200         | Vertical | N/A     |
| 2** | 2436.100        | 97.64            | -12.13      | 54.0           | -43.64      | AV       | 73.00          | 200         | Vertical | N/A     |
| 3   | 4980.400        | 52.01            | -1.58       | 74.0           | 21.99       | Peak     | 296.00         | 200         | Vertical | Pass    |
| 3** | 4980.400        | 42.20            | -1.58       | 54.0           | 11.80       | AV       | 296.00         | 200         | Vertical | Pass    |
| 4   | 6806.800        | 54.18            | 2.22        | 74.0           | 19.82       | Peak     | 360.00         | 300         | Vertical | Pass    |
| 4** | 6806.800        | 46.76            | 2.22        | 54.0           | 7.24        | AV       | 360.00         | 300         | Vertical | Pass    |
| 5   | 13318.050       | 55.82            | 0.90        | 74.0           | 18.18       | Peak     | 293.00         | 150         | Vertical | Pass    |
| 5** | 13318.050       | 46.50            | 0.90        | 54.0           | 7.50        | AV       | 293.00         | 150         | Vertical | Pass    |
| 6   | 17353.200       | 56.16            | 2.02        | 74.0           | 17.84       | Peak     | 252.00         | 300         | Vertical | Pass    |
| 6** | 17353.200       | 46.56            | 2.02        | 54.0           | 7.44        | AV       | 252.00         | 300         | 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   | 1330.500        | 43.48            | -16.97      | 74.0           | 30.52       | Peak     | 122.00         | 300         | Horizontal | Pass    |
| 1** | 1330.500        | 33.29            | -16.97      | 54.0           | 20.71       | AV       | 122.00         | 300         | Horizontal | Pass    |
| 2   | 2462.800        | 109.37           | -11.82      | 74.0           | -35.37      | Peak     | 78.00          | 100         | Horizontal | N/A     |
| 2** | 2462.800        | 101.95           | -11.82      | 54.0           | -47.95      | AV       | 78.00          | 100         | Horizontal | N/A     |
| 3   | 4928.000        | 52.31            | -2.38       | 74.0           | 21.69       | Peak     | 279.00         | 150         | Horizontal | Pass    |
| 3** | 4928.000        | 44.48            | -2.38       | 54.0           | 9.52        | AV       | 279.00         | 150         | Horizontal | Pass    |
| 4   | 6806.800        | 54.88            | 2.22        | 74.0           | 19.12       | Peak     | 294.00         | 400         | Horizontal | Pass    |
| 4** | 6806.800        | 46.09            | 2.22        | 54.0           | 7.91        | AV       | 294.00         | 400         | Horizontal | Pass    |
| 5   | 13436.174       | 56.41            | 0.43        | 74.0           | 17.59       | Peak     | 183.00         | 150         | Horizontal | Pass    |
| 5** | 13436.174       | 45.97            | 0.43        | 54.0           | 8.03        | AV       | 183.00         | 150         | Horizontal | Pass    |
| 6   | 15865.875       | 56.45            | 0.78        | 74.0           | 17.55       | Peak     | 122.00         | 100         | Horizontal | Pass    |
| 6** | 15865.875       | 46.19            | 0.78        | 54.0           | 7.81        | AV       | 122.00         | 100         | 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   | 1161.300        | 45.61            | -17.68      | 74.0           | 28.39       | Peak     | 37.00          | 300         | Vertical | Pass    |
| 1** | 1161.300        | 35.76            | -17.68      | 54.0           | 18.24       | AV       | 37.00          | 300         | Vertical | Pass    |
| 2   | 2464.900        | 105.31           | -11.87      | 74.0           | -31.31      | Peak     | 71.00          | 100         | Vertical | N/A     |
| 2** | 2464.900        | 98.35            | -11.87      | 54.0           | -44.35      | AV       | 71.00          | 100         | Vertical | N/A     |
| 3   | 4933.600        | 52.12            | -2.14       | 74.0           | 21.88       | Peak     | 0.00           | 150         | Vertical | Pass    |
| 3** | 4933.600        | 42.75            | -2.14       | 54.0           | 11.25       | AV       | 0.00           | 150         | Vertical | Pass    |
| 4   | 7386.400        | 48.84            | -3.97       | 74.0           | 25.16       | Peak     | 211.00         | 150         | Vertical | Pass    |
| 4** | 7386.400        | 44.33            | -3.97       | 54.0           | 9.67        | AV       | 211.00         | 150         | Vertical | Pass    |
| 5   | 13295.213       | 55.34            | 0.84        | 74.0           | 18.66       | Peak     | 290.00         | 150         | Vertical | Pass    |
| 5** | 13295.213       | 46.70            | 0.84        | 54.0           | 7.30        | AV       | 290.00         | 150         | Vertical | Pass    |
| 6   | 16024.688       | 55.73            | 0.66        | 74.0           | 18.27       | Peak     | 360.00         | 400         | Vertical | Pass    |
| 6** | 16024.688       | 45.23            | 0.66        | 54.0           | 8.77        | AV       | 360.00         | 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   | 1327.900        | 43.47            | -17.09      | 74.0           | 30.53       | Peak     | 116.00         | 200         | Horizontal | Pass    |
| 1** | 1327.900        | 32.40            | -17.09      | 54.0           | 21.60       | AV       | 116.00         | 200         | Horizontal | Pass    |
| 2   | 2416.900        | 106.93           | -11.62      | 74.0           | -32.93      | Peak     | 52.00          | 150         | Horizontal | N/A     |
| 2** | 2416.900        | 99.45            | -11.62      | 54.0           | -45.45      | AV       | 52.00          | 150         | Horizontal | N/A     |
| 3   | 5012.200        | 51.95            | -2.69       | 74.0           | 22.05       | Peak     | 79.00          | 150         | Horizontal | Pass    |
| 3** | 5012.200        | 42.22            | -2.69       | 54.0           | 11.78       | AV       | 79.00          | 150         | Horizontal | Pass    |
| 4   | 6841.800        | 54.40            | 0.95        | 74.0           | 19.60       | Peak     | 321.00         | 300         | Horizontal | Pass    |
| 4** | 6841.800        | 45.35            | 0.95        | 54.0           | 8.65        | AV       | 321.00         | 300         | Horizontal | Pass    |
| 5   | 13327.500       | 56.13            | 0.93        | 74.0           | 17.87       | Peak     | 232.00         | 150         | Horizontal | Pass    |
| 5** | 13327.500       | 46.62            | 0.93        | 54.0           | 7.38        | AV       | 232.00         | 150         | Horizontal | Pass    |
| 6   | 17415.412       | 56.20            | 3.65        | 74.0           | 17.80       | Peak     | 339.00         | 100         | Horizontal | Pass    |
| 6** | 17415.412       | 47.50            | 3.65        | 54.0           | 6.50        | AV       | 339.00         | 100         | 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   | 1165.300        | 45.77            | -17.59      | 74.0           | 28.23       | Peak     | 333.00         | 300         | Vertical | Pass    |
| 1** | 1165.300        | 35.81            | -17.59      | 54.0           | 18.19       | AV       | 333.00         | 300         | Vertical | Pass    |
| 2   | 2430.300        | 101.47           | -12.47      | 74.0           | -27.47      | Peak     | 74.00          | 200         | Vertical | N/A     |
| 2** | 2430.300        | 94.11            | -12.47      | 54.0           | -40.11      | AV       | 74.00          | 200         | Vertical | N/A     |
| 3   | 4515.000        | 50.56            | -3.23       | 74.0           | 23.44       | Peak     | 225.00         | 150         | Vertical | Pass    |
| 3** | 4515.000        | 40.02            | -3.23       | 54.0           | 13.98       | AV       | 225.00         | 150         | Vertical | Pass    |
| 4   | 6612.400        | 55.17            | 0.49        | 74.0           | 18.83       | Peak     | 340.00         | 200         | Vertical | Pass    |
| 4** | 6612.400        | 45.28            | 0.49        | 54.0           | 8.72        | AV       | 340.00         | 200         | Vertical | Pass    |
| 5   | 13323.300       | 55.85            | 0.92        | 74.0           | 18.15       | Peak     | 251.00         | 150         | Vertical | Pass    |
| 5** | 13323.300       | 46.61            | 0.92        | 54.0           | 7.39        | AV       | 251.00         | 150         | Vertical | Pass    |
| 6   | 17433.526       | 57.33            | 3.32        | 74.0           | 16.67       | Peak     | 0.00           | 400         | Vertical | Pass    |
| 6** | 17433.526       | 47.05            | 3.32        | 54.0           | 6.95        | AV       | 0.00           | 400         | 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   | 1309.200        | 42.66            | -16.94      | 74.0           | 31.34       | Peak     | 52.00          | 100         | Horizontal | Pass    |
| 1** | 1309.200        | 33.77            | -16.94      | 54.0           | 20.23       | AV       | 52.00          | 100         | Horizontal | Pass    |
| 2   | 2438.600        | 106.81           | -12.25      | 74.0           | -32.81      | Peak     | 94.00          | 200         | Horizontal | N/A     |
| 2** | 2438.600        | 99.89            | -12.25      | 54.0           | -45.89      | AV       | 94.00          | 200         | Horizontal | N/A     |
| 3   | 5083.200        | 51.96            | -2.16       | 74.0           | 22.04       | Peak     | 127.00         | 150         | Horizontal | Pass    |
| 3** | 5083.200        | 42.53            | -2.16       | 54.0           | 11.47       | AV       | 127.00         | 150         | Horizontal | Pass    |
| 4   | 6612.600        | 54.44            | 0.45        | 74.0           | 19.56       | Peak     | 117.00         | 400         | Horizontal | Pass    |
| 4** | 6612.600        | 44.41            | 0.45        | 54.0           | 9.59        | AV       | 117.00         | 400         | Horizontal | Pass    |
| 5   | 13318.838       | 55.13            | 0.90        | 74.0           | 18.87       | Peak     | 268.00         | 150         | Horizontal | Pass    |
| 5** | 13318.838       | 46.46            | 0.90        | 54.0           | 7.54        | AV       | 268.00         | 150         | Horizontal | Pass    |
| 6   | 17434.313       | 56.17            | 3.29        | 74.0           | 17.83       | Peak     | 191.00         | 300         | Horizontal | Pass    |
| 6** | 17434.313       | 47.00            | 3.29        | 54.0           | 7.00        | AV       | 191.00         | 300         | 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   | 1164.900        | 45.79            | -17.58      | 74.0           | 28.21       | Peak     | 360.00         | 100         | Vertical | Pass    |
| 1** | 1164.900        | 33.34            | -17.58      | 54.0           | 20.66       | AV       | 360.00         | 100         | Vertical | Pass    |
| 2   | 2433.900        | 102.38           | -12.24      | 74.0           | -28.38      | Peak     | 70.00          | 200         | Vertical | N/A     |
| 2** | 2433.900        | 94.96            | -12.24      | 54.0           | -40.96      | AV       | 70.00          | 200         | Vertical | N/A     |
| 3   | 4875.200        | 51.77            | -2.66       | 74.0           | 22.23       | Peak     | 141.00         | 150         | Vertical | Pass    |
| 3** | 4875.200        | 43.16            | -2.66       | 54.0           | 10.84       | AV       | 141.00         | 150         | Vertical | Pass    |
| 4   | 6337.400        | 54.76            | -0.34       | 74.0           | 19.24       | Peak     | 203.00         | 200         | Vertical | Pass    |
| 4** | 6337.400        | 44.63            | -0.34       | 54.0           | 9.37        | AV       | 203.00         | 200         | Vertical | Pass    |
| 5   | 13412.550       | 55.27            | 0.46        | 74.0           | 18.73       | Peak     | 64.00          | 150         | Vertical | Pass    |
| 5** | 13412.550       | 47.18            | 0.46        | 54.0           | 6.82        | AV       | 64.00          | 150         | Vertical | Pass    |
| 6   | 17345.587       | 56.45            | 1.73        | 74.0           | 17.55       | Peak     | 44.00          | 400         | Vertical | Pass    |
| 6** | 17345.587       | 46.44            | 1.73        | 54.0           | 7.56        | AV       | 44.00          | 400         | 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   | 1329.100        | 42.88            | -17.06      | 74.0           | 31.12       | Peak     | 125.00         | 200         | Horizontal | Pass    |
| 1** | 1329.100        | 33.19            | -17.06      | 54.0           | 20.81       | AV       | 125.00         | 200         | Horizontal | Pass    |
| 2   | 2448.300        | 106.82           | -12.26      | 74.0           | -32.82      | Peak     | 89.00          | 100         | Horizontal | N/A     |
| 2** | 2448.300        | 98.80            | -12.26      | 54.0           | -44.80      | AV       | 89.00          | 100         | Horizontal | N/A     |
| 3   | 4841.200        | 51.79            | -2.73       | 74.0           | 22.21       | Peak     | 122.00         | 150         | Horizontal | Pass    |
| 3** | 4841.200        | 41.74            | -2.73       | 54.0           | 12.26       | AV       | 122.00         | 150         | Horizontal | Pass    |
| 4   | 6973.600        | 54.20            | 1.18        | 74.0           | 19.80       | Peak     | 228.00         | 200         | Horizontal | Pass    |
| 4** | 6973.600        | 45.78            | 1.18        | 54.0           | 8.22        | AV       | 228.00         | 200         | Horizontal | Pass    |
| 5   | 13418.063       | 55.71            | 0.40        | 74.0           | 18.29       | Peak     | 321.00         | 150         | Horizontal | Pass    |
| 5** | 13418.063       | 46.77            | 0.40        | 54.0           | 7.23        | AV       | 321.00         | 150         | Horizontal | Pass    |
| 6   | 15807.337       | 56.33            | 2.22        | 74.0           | 17.67       | Peak     | 258.00         | 300         | Horizontal | Pass    |
| 6** | 15807.337       | 46.59            | 2.22        | 54.0           | 7.41        | AV       | 258.00         | 300         | 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   | 1161.400        | 45.27            | -17.67      | 74.0           | 28.73       | Peak     | 0.00           | 300         | Vertical | Pass    |
| 1** | 1161.400        | 33.22            | -17.67      | 54.0           | 20.78       | AV       | 0.00           | 300         | Vertical | Pass    |
| 2   | 2454.400        | 101.99           | -12.14      | 74.0           | -27.99      | Peak     | 76.00          | 150         | Vertical | N/A     |
| 2** | 2454.400        | 93.95            | -12.14      | 54.0           | -39.95      | AV       | 76.00          | 150         | Vertical | N/A     |
| 3   | 4787.000        | 52.30            | -3.09       | 74.0           | 21.70       | Peak     | 299.00         | 150         | Vertical | Pass    |
| 3** | 4787.000        | 41.39            | -3.09       | 54.0           | 12.61       | AV       | 299.00         | 150         | Vertical | Pass    |
| 4   | 6452.000        | 55.08            | -1.10       | 74.0           | 18.92       | Peak     | 190.00         | 100         | Vertical | Pass    |
| 4** | 6452.000        | 45.05            | -1.10       | 54.0           | 8.95        | AV       | 190.00         | 100         | Vertical | Pass    |
| 5   | 13300.463       | 55.70            | 0.87        | 74.0           | 18.30       | Peak     | 212.00         | 150         | Vertical | Pass    |
| 5** | 13300.463       | 46.19            | 0.87        | 54.0           | 7.81        | AV       | 212.00         | 150         | Vertical | Pass    |
| 6   | 17419.350       | 56.49            | 3.74        | 74.0           | 17.51       | Peak     | 61.00          | 400         | Vertical | Pass    |
| 6** | 17419.350       | 47.56            | 3.74        | 54.0           | 6.44        | AV       | 61.00          | 400         | 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   | 1327.300        | 43.67            | -17.07      | 74.0           | 30.33       | Peak     | 118.00         | 300         | Horizontal | Pass    |
| 1** | 1327.300        | 32.68            | -17.07      | 54.0           | 21.32       | AV       | 118.00         | 300         | Horizontal | Pass    |
| 2   | 2408.600        | 111.55           | -10.31      | 74.0           | -37.55      | Peak     | 61.00          | 150         | Horizontal | N/A     |
| 2** | 2408.600        | 102.08           | -10.31      | 54.0           | -48.08      | AV       | 61.00          | 150         | Horizontal | N/A     |
| 3   | 4825.000        | 49.90            | -2.29       | 74.0           | 24.10       | Peak     | 304.00         | 150         | Horizontal | Pass    |
| 3** | 4825.000        | 45.56            | -2.29       | 54.0           | 8.44        | AV       | 304.00         | 150         | Horizontal | Pass    |
| 4   | 7232.875        | 48.47            | -3.32       | 74.0           | 25.53       | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 4** | 7232.875        | 43.62            | -3.32       | 54.0           | 10.38       | AV       | 0.00           | 150         | Horizontal | Pass    |
| 5   | 13292.063       | 56.89            | 0.81        | 74.0           | 17.11       | Peak     | 283.00         | 100         | Horizontal | Pass    |
| 5** | 13292.063       | 46.66            | 0.81        | 54.0           | 7.34        | AV       | 283.00         | 100         | Horizontal | Pass    |
| 6   | 15245.587       | 55.74            | 0.86        | 74.0           | 18.26       | Peak     | 40.00          | 150         | Horizontal | Pass    |
| 6** | 15245.587       | 46.27            | 0.86        | 54.0           | 7.73        | AV       | 40.00          | 150         | 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   | 1332.100        | 45.65            | -17.09      | 74.0           | 28.35       | Peak     | 336.00         | 300         | Vertical | Pass    |
| 1** | 1332.100        | 37.62            | -17.09      | 54.0           | 16.38       | AV       | 336.00         | 300         | Vertical | Pass    |
| 2   | 2415.200        | 103.84           | -11.12      | 74.0           | -29.84      | Peak     | 75.00          | 400         | Vertical | N/A     |
| 2** | 2415.200        | 94.95            | -11.12      | 54.0           | -40.95      | AV       | 75.00          | 400         | Vertical | N/A     |
| 3   | 2773.300        | 51.41            | -8.94       | 74.0           | 22.59       | Peak     | 254.00         | 100         | Vertical | Pass    |
| 3** | 2773.300        | 42.43            | -8.94       | 54.0           | 11.57       | AV       | 254.00         | 100         | Vertical | Pass    |
| 4   | 4988.400        | 51.74            | -2.34       | 74.0           | 22.26       | Peak     | 176.00         | 150         | Vertical | Pass    |
| 4** | 4988.400        | 42.37            | -2.34       | 54.0           | 11.63       | AV       | 176.00         | 150         | Vertical | Pass    |
| 5   | 7233.450        | 48.37            | -3.33       | 74.0           | 25.63       | Peak     | 310.00         | 150         | Vertical | Pass    |
| 5** | 7233.450        | 45.06            | -3.33       | 54.0           | 8.94        | AV       | 310.00         | 150         | Vertical | Pass    |
| 6   | 13311.487       | 55.14            | 0.86        | 74.0           | 18.86       | Peak     | 0.00           | 150         | Vertical | Pass    |
| 6** | 13311.487       | 46.00            | 0.86        | 54.0           | 8.00        | AV       | 0.00           | 150         | 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   | 1382.900        | 42.77            | -17.14      | 74.0           | 31.23       | Peak     | 161.00         | 300         | Horizontal | Pass    |
| 1** | 1382.900        | 32.31            | -17.14      | 54.0           | 21.69       | AV       | 161.00         | 300         | Horizontal | Pass    |
| 2   | 2436.900        | 110.71           | -12.13      | 74.0           | -36.71      | Peak     | 48.00          | 100         | Horizontal | N/A     |
| 2** | 2436.900        | 101.88           | -12.13      | 54.0           | -47.88      | AV       | 48.00          | 100         | Horizontal | N/A     |
| 3   | 4655.200        | 51.90            | -2.57       | 74.0           | 22.10       | Peak     | 25.00          | 150         | Horizontal | Pass    |
| 3** | 4655.200        | 41.36            | -2.57       | 54.0           | 12.64       | AV       | 25.00          | 150         | Horizontal | Pass    |
| 4   | 6798.800        | 54.50            | 1.26        | 74.0           | 19.50       | Peak     | 138.00         | 200         | Horizontal | Pass    |
| 4** | 6798.800        | 45.73            | 1.26        | 54.0           | 8.27        | AV       | 138.00         | 200         | Horizontal | Pass    |
| 5   | 13402.838       | 55.55            | 0.54        | 74.0           | 18.45       | Peak     | 196.00         | 150         | Horizontal | Pass    |
| 5** | 13402.838       | 46.42            | 0.54        | 54.0           | 7.58        | AV       | 196.00         | 150         | Horizontal | Pass    |
| 6   | 15228.000       | 56.38            | 0.83        | 74.0           | 17.62       | Peak     | 217.00         | 200         | Horizontal | Pass    |
| 6** | 15228.000       | 46.31            | 0.83        | 54.0           | 7.69        | AV       | 217.00         | 200         | 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   | 1161.200        | 47.10            | -17.68      | 74.0           | 26.90       | Peak     | 360.00         | 100         | Vertical | Pass    |
| 1** | 1161.200        | 31.60            | -17.68      | 54.0           | 22.40       | AV       | 360.00         | 100         | Vertical | Pass    |
| 2   | 2433.400        | 105.45           | -12.27      | 74.0           | -31.45      | Peak     | 73.00          | 200         | Vertical | N/A     |
| 2** | 2433.400        | 96.55            | -12.27      | 54.0           | -42.55      | AV       | 73.00          | 200         | Vertical | N/A     |
| 3   | 5876.600        | 54.53            | -0.80       | 74.0           | 19.47       | Peak     | 248.00         | 200         | Vertical | Pass    |
| 3** | 5876.600        | 44.42            | -0.80       | 54.0           | 9.58        | AV       | 248.00         | 200         | Vertical | Pass    |
| 4   | 7313.087        | 50.01            | -3.50       | 74.0           | 23.99       | Peak     | 139.00         | 150         | Vertical | Pass    |
| 4** | 7313.087        | 43.61            | -3.50       | 54.0           | 10.39       | AV       | 139.00         | 150         | Vertical | Pass    |
| 5   | 13303.875       | 55.85            | 0.87        | 74.0           | 18.15       | Peak     | 343.00         | 150         | Vertical | Pass    |
| 5** | 13303.875       | 45.86            | 0.87        | 54.0           | 8.14        | AV       | 343.00         | 150         | Vertical | Pass    |
| 6   | 15815.213       | 56.22            | 2.05        | 74.0           | 17.78       | Peak     | 0.00           | 200         | Vertical | Pass    |
| 6** | 15815.213       | 46.04            | 2.05        | 54.0           | 7.96        | AV       | 0.00           | 200         | 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   | 1330.400        | 43.14            | -16.98      | 74.0           | 30.86       | Peak     | 141.00         | 400         | Horizontal | Pass    |
| 1** | 1330.400        | 32.36            | -16.98      | 54.0           | 21.64       | AV       | 141.00         | 400         | Horizontal | Pass    |
| 2   | 2464.300        | 110.39           | -11.84      | 74.0           | -36.39      | Peak     | 89.00          | 100         | Horizontal | N/A     |
| 2** | 2464.300        | 101.56           | -11.84      | 54.0           | -47.56      | AV       | 89.00          | 100         | Horizontal | N/A     |
| 3   | 4473.600        | 50.71            | -4.16       | 74.0           | 23.29       | Peak     | 69.00          | 150         | Horizontal | Pass    |
| 3** | 4473.600        | 39.96            | -4.16       | 54.0           | 14.04       | AV       | 69.00          | 150         | Horizontal | Pass    |
| 4   | 6428.400        | 54.94            | -0.51       | 74.0           | 19.06       | Peak     | 329.00         | 400         | Horizontal | Pass    |
| 4** | 6428.400        | 44.38            | -0.51       | 54.0           | 9.62        | AV       | 329.00         | 400         | Horizontal | Pass    |
| 5   | 13307.813       | 55.30            | 0.86        | 74.0           | 18.70       | Peak     | 246.00         | 150         | Horizontal | Pass    |
| 5** | 13307.813       | 46.49            | 0.86        | 54.0           | 7.51        | AV       | 246.00         | 150         | Horizontal | Pass    |
| 6   | 17408.588       | 55.82            | 3.41        | 74.0           | 18.18       | Peak     | 286.00         | 100         | Horizontal | Pass    |
| 6** | 17408.588       | 46.16            | 3.41        | 54.0           | 7.84        | AV       | 286.00         | 100         | 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   | 1332.200        | 45.26            | -17.10      | 74.0           | 28.74       | Peak     | 340.00         | 300         | Vertical | Pass    |
| 1** | 1332.200        | 38.58            | -17.10      | 54.0           | 15.42       | AV       | 340.00         | 300         | Vertical | Pass    |
| 2   | 2461.300        | 106.24           | -12.02      | 74.0           | -32.24      | Peak     | 64.00          | 100         | Vertical | N/A     |
| 2** | 2461.300        | 97.57            | -12.02      | 54.0           | -43.57      | AV       | 64.00          | 100         | Vertical | N/A     |
| 3   | 4702.800        | 51.23            | -2.88       | 74.0           | 22.77       | Peak     | 227.00         | 150         | Vertical | Pass    |
| 3** | 4702.800        | 41.13            | -2.88       | 54.0           | 12.87       | AV       | 227.00         | 150         | Vertical | Pass    |
| 4   | 6641.600        | 54.61            | -0.88       | 74.0           | 19.39       | Peak     | 28.00          | 400         | Vertical | Pass    |
| 4** | 6641.600        | 44.62            | -0.88       | 54.0           | 9.38        | AV       | 28.00          | 400         | Vertical | Pass    |
| 5   | 13326.188       | 55.38            | 0.93        | 74.0           | 18.62       | Peak     | 162.00         | 150         | Vertical | Pass    |
| 5** | 13326.188       | 46.20            | 0.93        | 54.0           | 7.80        | AV       | 162.00         | 150         | Vertical | Pass    |
| 6   | 15240.600       | 56.08            | 0.94        | 74.0           | 17.92       | Peak     | 283.00         | 300         | Vertical | Pass    |
| 6** | 15240.600       | 46.23            | 0.94        | 54.0           | 7.77        | AV       | 283.00         | 300         | 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   | 1333.000        | 43.87            | -17.12      | 74.0           | 30.13       | Peak     | 124.00         | 400         | Horizontal | Pass    |
| 1** | 1333.000        | 32.57            | -17.12      | 54.0           | 21.43       | AV       | 124.00         | 400         | Horizontal | Pass    |
| 2   | 2418.500        | 108.00           | -11.91      | 74.0           | -34.00      | Peak     | 60.00          | 100         | Horizontal | N/A     |
| 2** | 2418.500        | 98.40            | -11.91      | 54.0           | -44.40      | AV       | 60.00          | 100         | Horizontal | N/A     |
| 3   | 4652.000        | 50.95            | -2.49       | 74.0           | 23.05       | Peak     | 12.00          | 150         | Horizontal | Pass    |
| 3** | 4652.000        | 42.18            | -2.49       | 54.0           | 11.82       | AV       | 12.00          | 150         | Horizontal | Pass    |
| 4   | 6415.200        | 54.87            | -0.88       | 74.0           | 19.13       | Peak     | 340.00         | 200         | Horizontal | Pass    |
| 4** | 6415.200        | 44.44            | -0.88       | 54.0           | 9.56        | AV       | 340.00         | 200         | Horizontal | Pass    |
| 5   | 13443.000       | 55.50            | 0.53        | 74.0           | 18.50       | Peak     | 36.00          | 150         | Horizontal | Pass    |
| 5** | 13443.000       | 46.54            | 0.53        | 54.0           | 7.46        | AV       | 36.00          | 150         | Horizontal | Pass    |
| 6   | 17410.425       | 55.52            | 3.46        | 74.0           | 18.48       | Peak     | 341.00         | 300         | Horizontal | Pass    |
| 6** | 17410.425       | 46.99            | 3.46        | 54.0           | 7.01        | AV       | 341.00         | 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   | 1162.200        | 46.75            | -17.62      | 74.0           | 27.25       | Peak     | 40.00          | 100         | Vertical | Pass    |
| 1** | 1162.200        | 35.74            | -17.62      | 54.0           | 18.26       | AV       | 40.00          | 100         | Vertical | Pass    |
| 2   | 2431.000        | 102.47           | -12.50      | 74.0           | -28.47      | Peak     | 57.00          | 100         | Vertical | N/A     |
| 2** | 2431.000        | 93.57            | -12.50      | 54.0           | -39.57      | AV       | 57.00          | 100         | Vertical | N/A     |
| 3   | 4979.200        | 52.72            | -1.58       | 74.0           | 21.28       | Peak     | 262.00         | 150         | Vertical | Pass    |
| 3** | 4979.200        | 42.47            | -1.58       | 54.0           | 11.53       | AV       | 262.00         | 150         | Vertical | Pass    |
| 4   | 6616.200        | 54.97            | 0.21        | 74.0           | 19.03       | Peak     | 195.00         | 300         | Vertical | Pass    |
| 4** | 6616.200        | 44.73            | 0.21        | 54.0           | 9.27        | AV       | 195.00         | 300         | Vertical | Pass    |
| 5   | 13317.787       | 55.82            | 0.90        | 74.0           | 18.18       | Peak     | 318.00         | 150         | Vertical | Pass    |
| 5** | 13317.787       | 46.19            | 0.90        | 54.0           | 7.81        | AV       | 318.00         | 150         | Vertical | Pass    |
| 6   | 16028.363       | 56.12            | 0.70        | 74.0           | 17.88       | Peak     | 227.00         | 300         | Vertical | Pass    |
| 6** | 16028.363       | 45.95            | 0.70        | 54.0           | 8.05        | AV       | 227.00         | 300         | 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   | 1561.900        | 43.07            | -16.76      | 74.0           | 30.93       | Peak     | 242.00         | 100         | Horizontal | Pass    |
| 1** | 1561.900        | 33.35            | -16.76      | 54.0           | 20.65       | AV       | 242.00         | 100         | Horizontal | Pass    |
| 2   | 2432.900        | 107.20           | -12.32      | 74.0           | -33.20      | Peak     | 87.00          | 150         | Horizontal | N/A     |
| 2** | 2432.900        | 98.43            | -12.32      | 54.0           | -44.43      | AV       | 87.00          | 150         | Horizontal | N/A     |
| 3   | 4653.200        | 51.85            | -2.47       | 74.0           | 22.15       | Peak     | 177.00         | 150         | Horizontal | Pass    |
| 3** | 4653.200        | 41.65            | -2.47       | 54.0           | 12.35       | AV       | 177.00         | 150         | Horizontal | Pass    |
| 4   | 6805.200        | 54.73            | 1.94        | 74.0           | 19.27       | Peak     | 177.00         | 300         | Horizontal | Pass    |
| 4** | 6805.200        | 45.27            | 1.94        | 54.0           | 8.73        | AV       | 177.00         | 300         | Horizontal | Pass    |
| 5   | 13322.512       | 55.44            | 0.92        | 74.0           | 18.56       | Peak     | 149.00         | 150         | Horizontal | Pass    |
| 5** | 13322.512       | 46.25            | 0.92        | 54.0           | 7.75        | AV       | 149.00         | 150         | Horizontal | Pass    |
| 6   | 17342.437       | 56.09            | 1.61        | 74.0           | 17.91       | Peak     | 105.00         | 100         | Horizontal | Pass    |
| 6** | 17342.437       | 46.45            | 1.61        | 54.0           | 7.55        | AV       | 105.00         | 100         | 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   | 1333.200        | 45.87            | -17.12      | 74.0           | 28.13       | Peak     | 76.00          | 100         | Vertical | Pass    |
| 1** | 1333.200        | 32.50            | -17.12      | 54.0           | 21.50       | AV       | 76.00          | 100         | Vertical | Pass    |
| 2   | 2433.800        | 104.11           | -12.25      | 74.0           | -30.11      | Peak     | 71.00          | 100         | Vertical | N/A     |
| 2** | 2433.800        | 94.93            | -12.25      | 54.0           | -40.93      | AV       | 71.00          | 100         | Vertical | N/A     |
| 3   | 4764.600        | 51.16            | -2.99       | 74.0           | 22.84       | Peak     | 312.00         | 150         | Vertical | Pass    |
| 3** | 4764.600        | 41.80            | -2.99       | 54.0           | 12.20       | AV       | 312.00         | 150         | Vertical | Pass    |
| 4   | 6789.000        | 54.62            | 0.53        | 74.0           | 19.38       | Peak     | 271.00         | 300         | Vertical | Pass    |
| 4** | 6789.000        | 45.99            | 0.53        | 54.0           | 8.01        | AV       | 271.00         | 300         | Vertical | Pass    |
| 5   | 13438.537       | 55.29            | 0.45        | 74.0           | 18.71       | Peak     | 196.00         | 150         | Vertical | Pass    |
| 5** | 13438.537       | 47.40            | 0.45        | 54.0           | 6.60        | AV       | 196.00         | 150         | Vertical | Pass    |
| 6   | 16592.474       | 56.57            | 0.86        | 74.0           | 17.43       | Peak     | 233.00         | 300         | Vertical | Pass    |
| 6** | 16592.474       | 45.69            | 0.86        | 54.0           | 8.31        | AV       | 233.00         | 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   | 1330.400        | 42.98            | -16.98      | 74.0           | 31.02       | Peak     | 130.00         | 100         | Horizontal | Pass    |
| 1** | 1330.400        | 32.33            | -16.98      | 54.0           | 21.67       | AV       | 130.00         | 100         | Horizontal | Pass    |
| 2   | 2450.700        | 108.86           | -12.24      | 74.0           | -34.86      | Peak     | 91.00          | 200         | Horizontal | N/A     |
| 2** | 2450.700        | 98.96            | -12.24      | 54.0           | -44.96      | AV       | 91.00          | 200         | Horizontal | N/A     |
| 3   | 5390.600        | 53.64            | -2.04       | 74.0           | 20.36       | Peak     | 121.00         | 150         | Horizontal | Pass    |
| 3** | 5390.600        | 43.53            | -2.04       | 54.0           | 10.47       | AV       | 121.00         | 150         | Horizontal | Pass    |
| 4   | 6805.200        | 54.37            | 1.94        | 74.0           | 19.63       | Peak     | 272.00         | 300         | Horizontal | Pass    |
| 4** | 6805.200        | 46.16            | 1.94        | 54.0           | 7.84        | AV       | 272.00         | 300         | Horizontal | Pass    |
| 5   | 13431.187       | 55.15            | 0.40        | 74.0           | 18.85       | Peak     | 201.00         | 150         | Horizontal | Pass    |
| 5** | 13431.187       | 46.53            | 0.40        | 54.0           | 7.47        | AV       | 201.00         | 150         | Horizontal | Pass    |
| 6   | 17405.438       | 55.74            | 3.33        | 74.0           | 18.26       | Peak     | 0.00           | 300         | Horizontal | Pass    |
| 6** | 17405.438       | 47.13            | 3.33        | 54.0           | 6.87        | AV       | 0.00           | 300         | 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   | 1330.000        | 44.85            | -17.00      | 74.0           | 29.15       | Peak     | 354.00         | 100         | Vertical | Pass    |
| 1** | 1330.000        | 35.36            | -17.00      | 54.0           | 18.64       | AV       | 354.00         | 100         | Vertical | Pass    |
| 2   | 2453.500        | 102.79           | -12.17      | 74.0           | -28.79      | Peak     | 69.00          | 200         | Vertical | N/A     |
| 2** | 2453.500        | 94.72            | -12.17      | 54.0           | -40.72      | AV       | 69.00          | 200         | Vertical | N/A     |
| 3   | 4814.000        | 51.42            | -2.16       | 74.0           | 22.58       | Peak     | 233.00         | 150         | Vertical | Pass    |
| 3** | 4814.000        | 41.76            | -2.16       | 54.0           | 12.24       | AV       | 233.00         | 150         | Vertical | Pass    |
| 4   | 6807.200        | 54.92            | 2.09        | 74.0           | 19.08       | Peak     | 158.00         | 400         | Vertical | Pass    |
| 4** | 6807.200        | 46.48            | 2.09        | 54.0           | 7.52        | AV       | 158.00         | 400         | Vertical | Pass    |
| 5   | 13413.075       | 56.62            | 0.45        | 74.0           | 17.38       | Peak     | 183.00         | 150         | Vertical | Pass    |
| 5** | 13413.075       | 47.32            | 0.45        | 54.0           | 6.68        | AV       | 183.00         | 150         | Vertical | Pass    |
| 6   | 17425.125       | 57.01            | 3.62        | 74.0           | 16.99       | Peak     | 162.00         | 100         | Vertical | Pass    |
| 6** | 17425.125       | 46.74            | 3.62        | 54.0           | 7.26        | AV       | 162.00         | 100         | Vertical | Pass    |

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

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

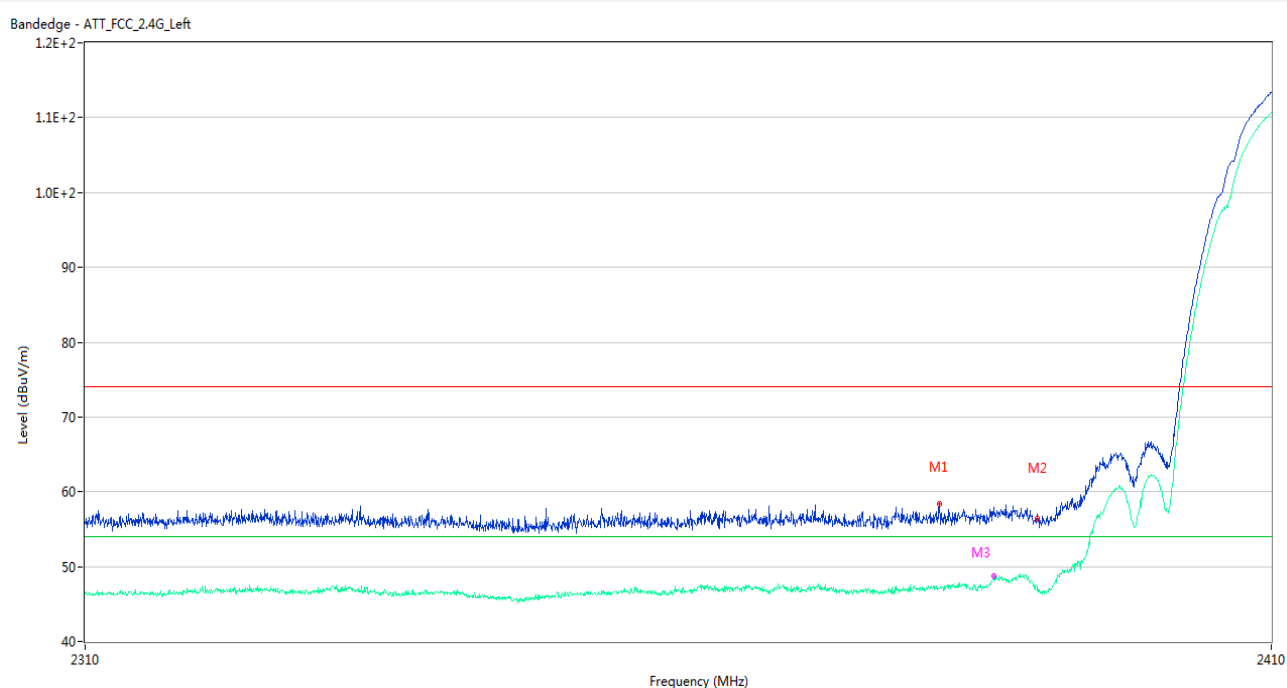
Note 2: The test data all are tested in the vertical and horizontal antenna which the trace is max hold. So these plots have shown the worst case.

Note 3: 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 4: All antenna were pre tested, but only the worst case has been reported in this report.

### SISO-0 Test Data and Plots

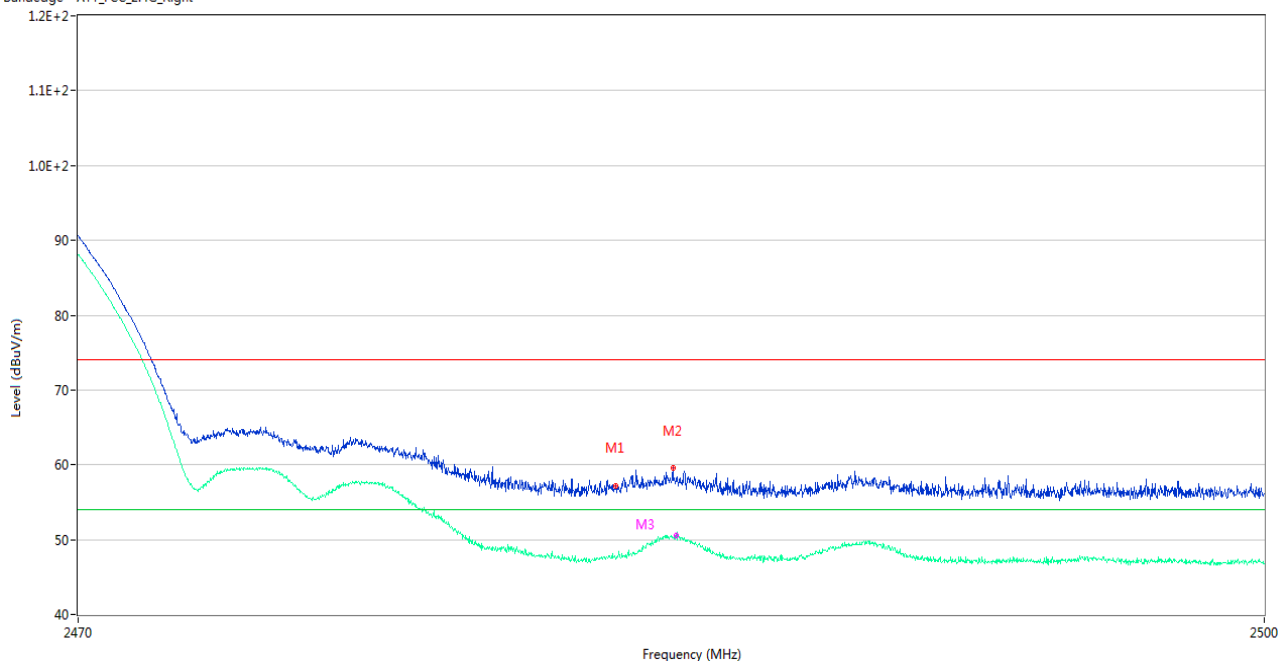
#### 802.11b LOW CHANNEL



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 2381.600        | 58.32            | 2.20        | 74.0           | 15.68       | Peak     | 71.00          | 100         | Horizontal | Pass    |
| 1** | 2381.600        | 47.04            | 2.20        | 54.0           | 6.96        | AV       | 71.00          | 100         | Horizontal | Pass    |
| 2   | 2389.950        | 56.37            | 1.92        | 74.0           | 17.63       | Peak     | 218.00         | 150         | Horizontal | Pass    |
| 2** | 2389.950        | 46.71            | 1.92        | 54.0           | 7.29        | AV       | 218.00         | 150         | Horizontal | Pass    |
| 3   | 2386.250        | 57.23            | 2.41        | 74.0           | 16.77       | Peak     | 44.00          | 150         | Horizontal | Pass    |
| 3** | 2386.250        | 48.72            | 2.41        | 54.0           | 5.28        | AV       | 44.00          | 150         | Horizontal | Pass    |

## 802.11b HIGH CHANNEL

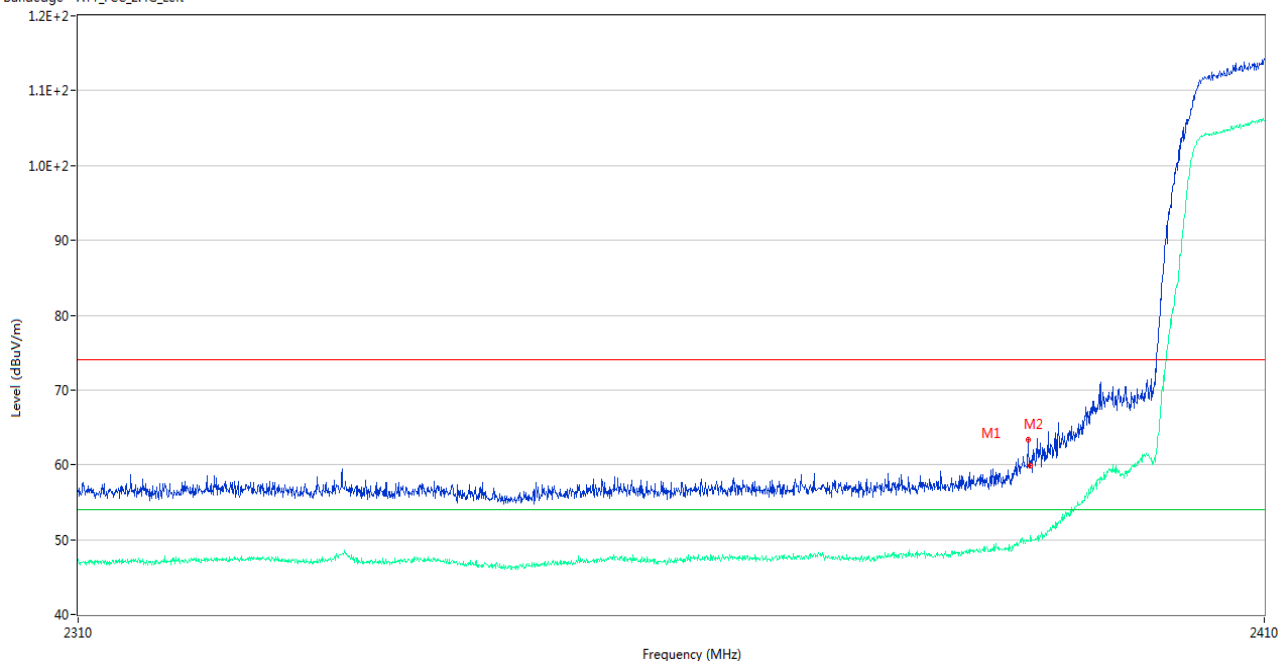
Bandedge - ATT\_FCC\_2.4G\_Right



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 2483.545        | 57.25            | 2.11        | 74.0           | 16.75       | Peak     | 71.00          | 200         | Horizontal | Pass    |
| 1** | 2483.545        | 47.34            | 2.11        | 54.0           | 6.66        | AV       | 71.00          | 200         | Horizontal | Pass    |
| 2   | 2485.000        | 59.55            | 2.06        | 74.0           | 14.45       | Peak     | 53.00          | 150         | Horizontal | Pass    |
| 2** | 2485.000        | 50.26            | 2.06        | 54.0           | 3.74        | AV       | 53.00          | 150         | Horizontal | Pass    |
| 3   | 2485.075        | 57.93            | 2.05        | 74.0           | 16.07       | Peak     | 71.00          | 150         | Horizontal | Pass    |
| 3** | 2485.075        | 50.62            | 2.05        | 54.0           | 3.38        | AV       | 71.00          | 150         | Horizontal | Pass    |

## 802.11g LOW CHANNEL

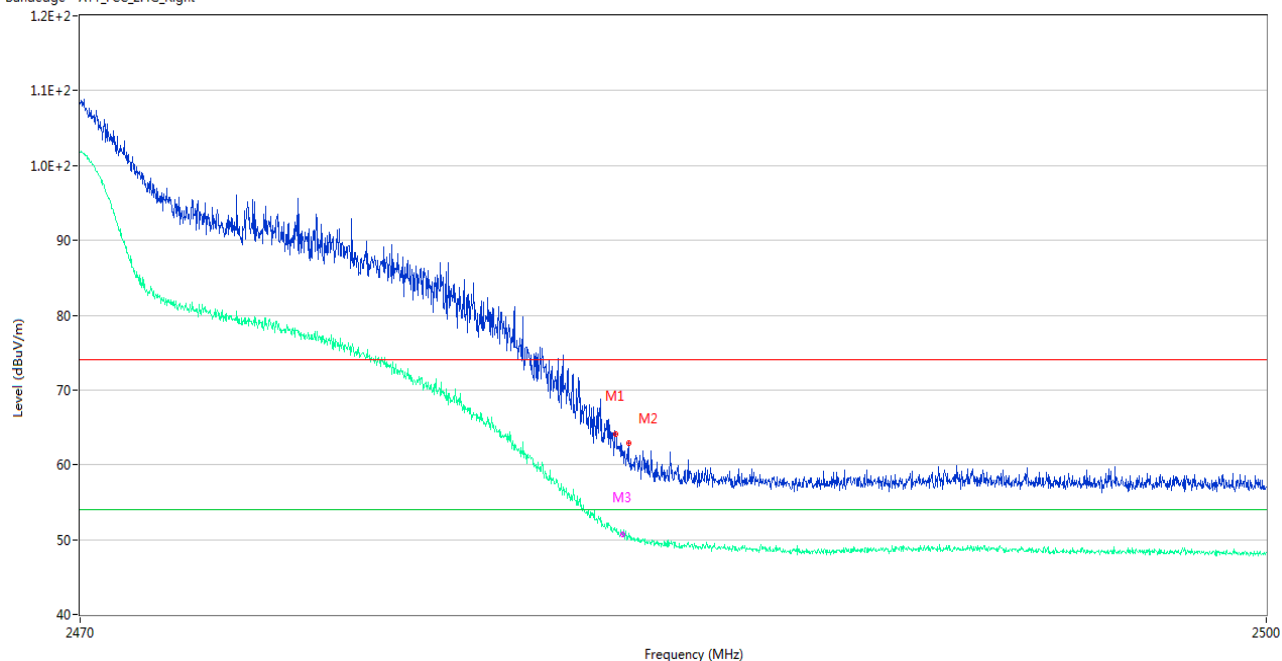
Bandedge - ATT\_FCC\_2.4G\_Left



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 2389.750        | 63.34            | 1.92        | 74.0           | 10.66       | Peak     | 53.00          | 150         | Horizontal | Pass    |
| 1** | 2389.750        | 49.77            | 1.92        | 54.0           | 4.23        | AV       | 53.00          | 150         | Horizontal | Pass    |
| 2   | 2389.950        | 59.83            | 1.92        | 74.0           | 14.17       | Peak     | 89.00          | 100         | Horizontal | Pass    |
| 2** | 2389.950        | 50.50            | 1.92        | 54.0           | 3.50        | AV       | 89.00          | 100         | Horizontal | Pass    |

## 802.11g HIGH CHANNEL

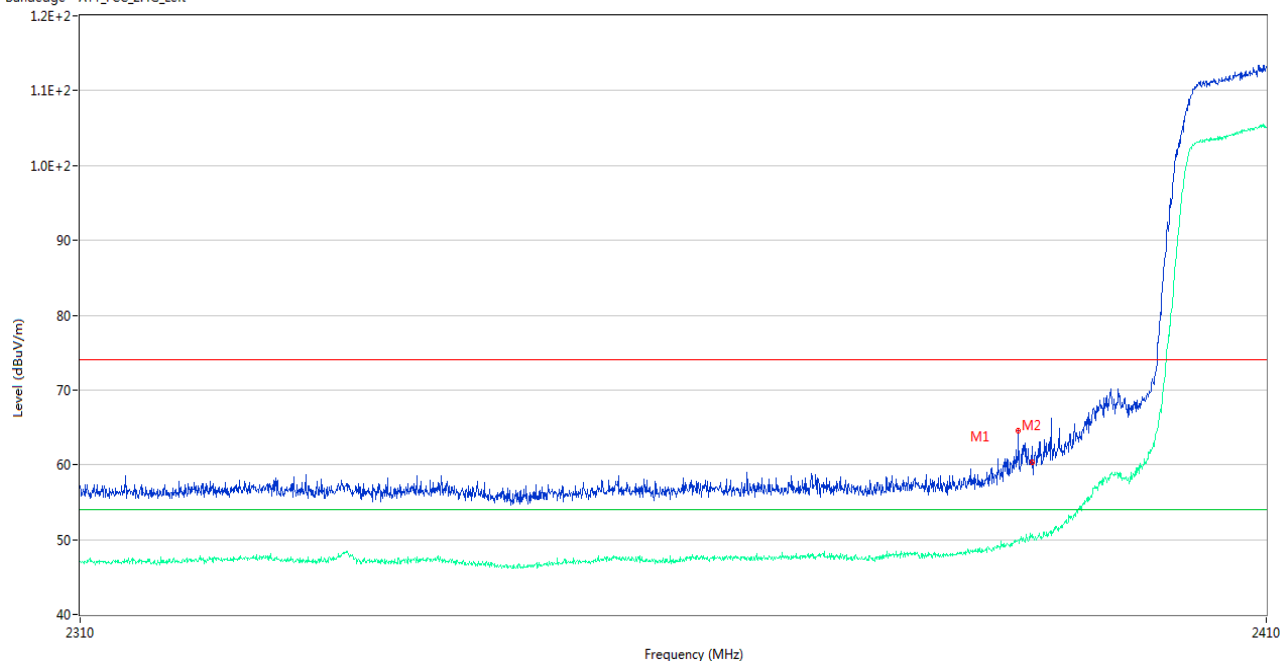
Bandedge - ATT\_FCC\_2.4G\_Right



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 2483.500        | 64.16            | 2.11        | 74.0           | 9.84        | Peak     | 91.00          | 200         | Horizontal | Pass    |
| 1** | 2483.500        | 50.96            | 2.11        | 54.0           | 3.04        | AV       | 91.00          | 200         | Horizontal | Pass    |
| 2   | 2483.830        | 62.87            | 2.12        | 74.0           | 11.13       | Peak     | 91.00          | 150         | Horizontal | Pass    |
| 2** | 2483.830        | 50.92            | 2.12        | 54.0           | 3.08        | AV       | 91.00          | 150         | Horizontal | Pass    |
| 3   | 2483.680        | 61.31            | 2.11        | 74.0           | 12.69       | Peak     | 91.00          | 150         | Horizontal | Pass    |
| 3** | 2483.680        | 50.67            | 2.11        | 54.0           | 3.33        | AV       | 91.00          | 150         | Horizontal | Pass    |

## 802.11n20 LOW CHANNEL

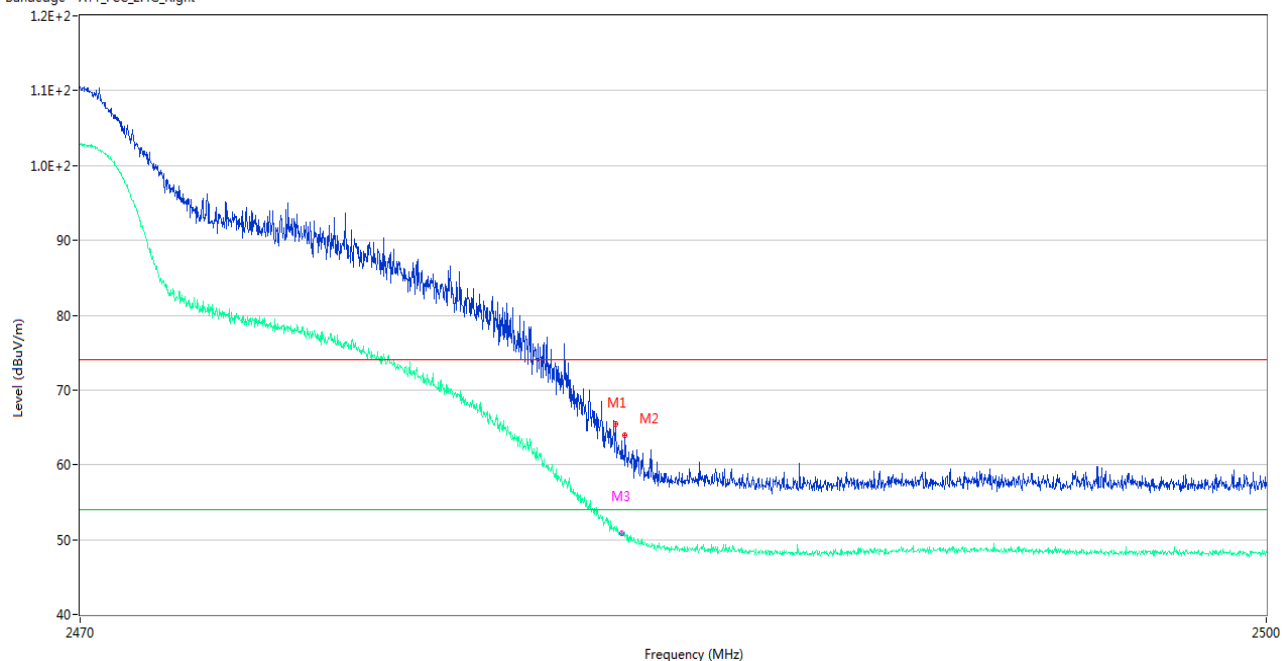
Bandedge - ATT\_FCC\_2.4G\_Left



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 2388.750        | 64.50            | 1.90        | 74.0           | 9.50        | Peak     | 59.00          | 200         | Horizontal | Pass    |
| 1** | 2388.750        | 49.93            | 1.90        | 54.0           | 4.07        | AV       | 59.00          | 200         | Horizontal | Pass    |
| 2   | 2389.950        | 60.38            | 1.92        | 74.0           | 13.62       | Peak     | 64.00          | 100         | Horizontal | Pass    |
| 2** | 2389.950        | 50.63            | 1.92        | 54.0           | 3.37        | AV       | 64.00          | 100         | Horizontal | Pass    |

## 802.11n20 HIGH CHANNEL

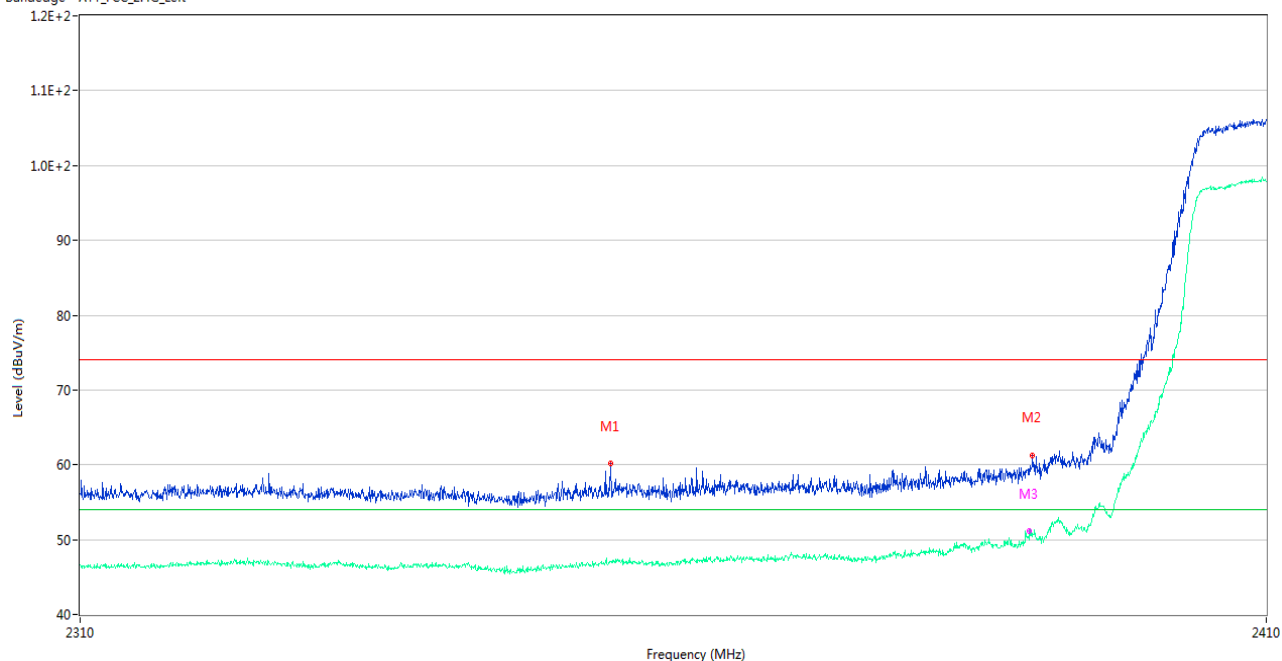
Bandedge - ATT\_FCC\_2.4G\_Right



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 2483.500        | 65.51            | 2.11        | 74.0           | 8.49        | Peak     | 64.00          | 100         | Horizontal | Pass    |
| 1** | 2483.500        | 50.92            | 2.11        | 54.0           | 3.08        | AV       | 64.00          | 100         | Horizontal | Pass    |
| 2   | 2483.740        | 63.90            | 2.12        | 74.0           | 10.10       | Peak     | 62.00          | 100         | Horizontal | Pass    |
| 2** | 2483.740        | 50.44            | 2.12        | 54.0           | 3.56        | AV       | 62.00          | 100         | Horizontal | Pass    |
| 3   | 2483.650        | 60.79            | 2.11        | 74.0           | 13.21       | Peak     | 72.00          | 150         | Horizontal | Pass    |
| 3** | 2483.650        | 50.82            | 2.11        | 54.0           | 3.18        | AV       | 72.00          | 150         | Horizontal | Pass    |

## 802.11n40 LOW CHANNEL

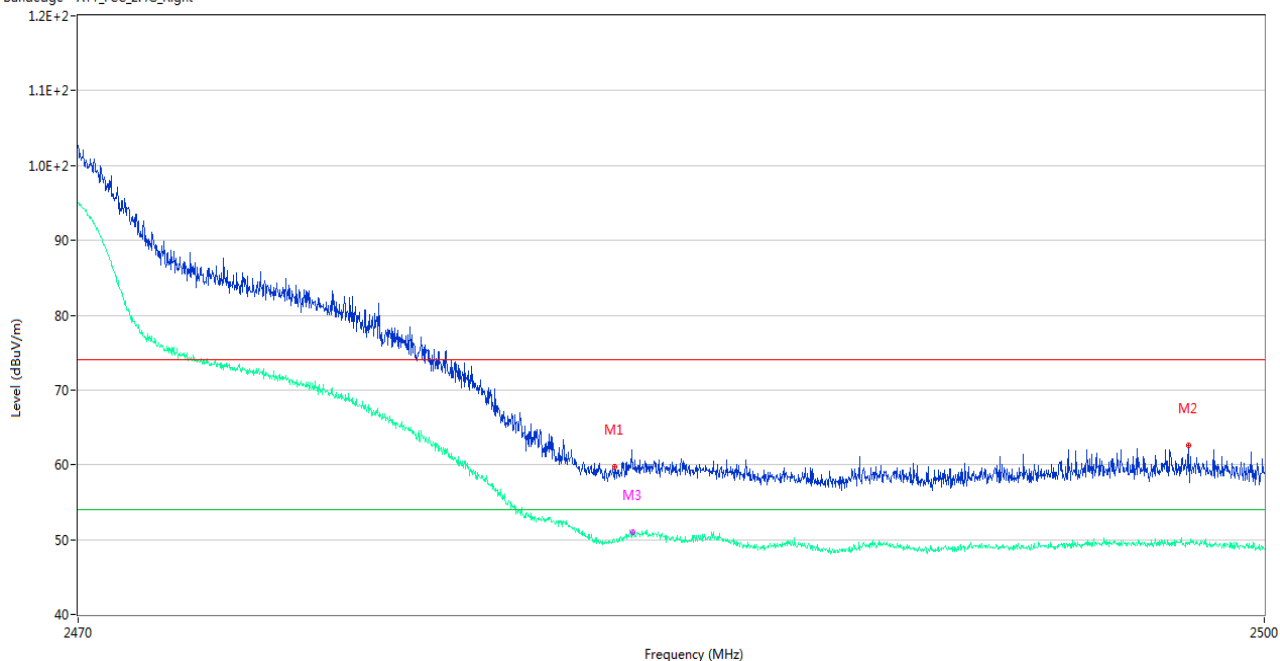
Bandedge - ATT\_FCC\_2.4G\_Left



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 2354.200        | 60.12            | 1.52        | 74.0           | 13.88       | Peak     | 69.00          | 100         | Horizontal | Pass    |
| 1** | 2354.200        | 47.03            | 1.52        | 54.0           | 6.97        | AV       | 69.00          | 100         | Horizontal | Pass    |
| 2   | 2389.950        | 61.30            | 1.92        | 74.0           | 12.70       | Peak     | 53.00          | 200         | Horizontal | Pass    |
| 2** | 2389.950        | 50.91            | 1.92        | 54.0           | 3.09        | AV       | 53.00          | 200         | Horizontal | Pass    |
| 3   | 2389.700        | 58.64            | 1.92        | 74.0           | 15.36       | Peak     | 55.00          | 150         | Horizontal | Pass    |
| 3** | 2389.700        | 50.98            | 1.92        | 54.0           | 3.02        | AV       | 55.00          | 150         | Horizontal | Pass    |

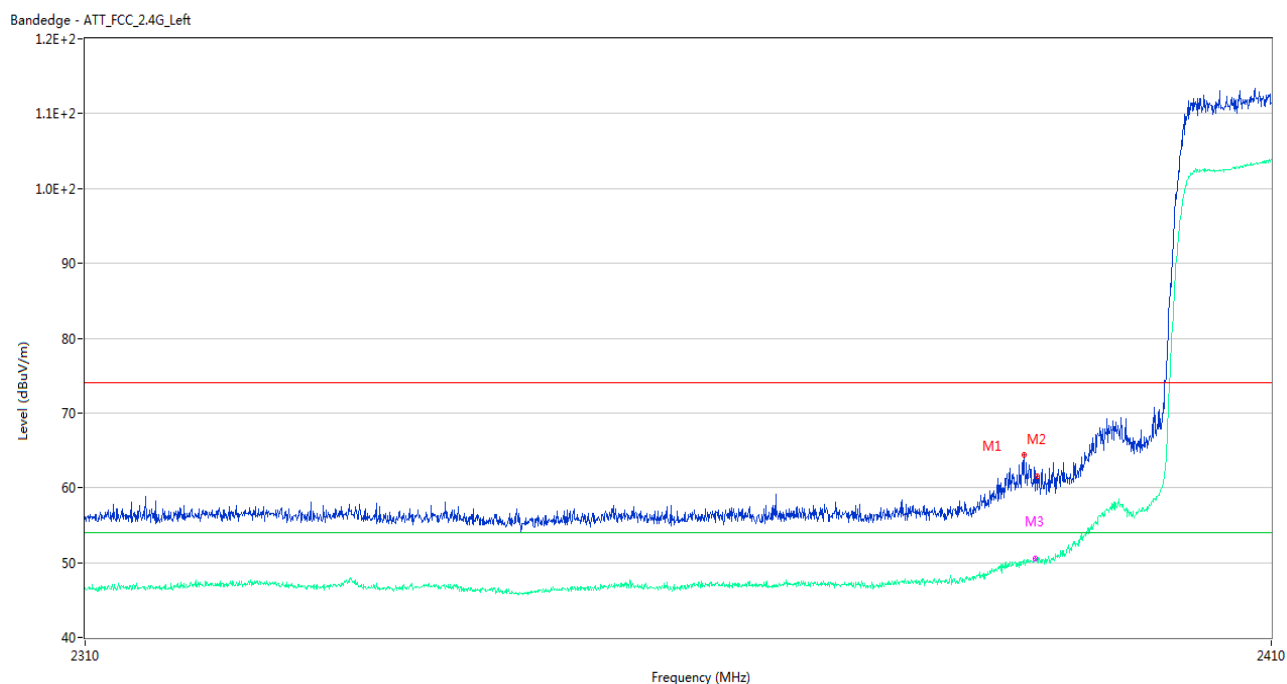
## 802.11n40 HIGH CHANNEL

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   | 2483.515        | 59.67            | 2.11        | 74.0           | 14.33       | Peak     | 53.00          | 200         | Horizontal | Pass    |
| 1** | 2483.515        | 49.60            | 2.11        | 54.0           | 4.40        | AV       | 53.00          | 200         | Horizontal | Pass    |
| 2   | 2498.065        | 62.52            | 1.67        | 74.0           | 11.48       | Peak     | 49.00          | 200         | Horizontal | Pass    |
| 2** | 2498.065        | 49.57            | 1.67        | 54.0           | 4.43        | AV       | 49.00          | 200         | Horizontal | Pass    |
| 3   | 2483.980        | 60.34            | 2.13        | 74.0           | 13.66       | Peak     | 56.00          | 150         | Horizontal | Pass    |
| 3** | 2483.980        | 50.99            | 2.13        | 54.0           | 3.01        | AV       | 56.00          | 150         | Horizontal | Pass    |

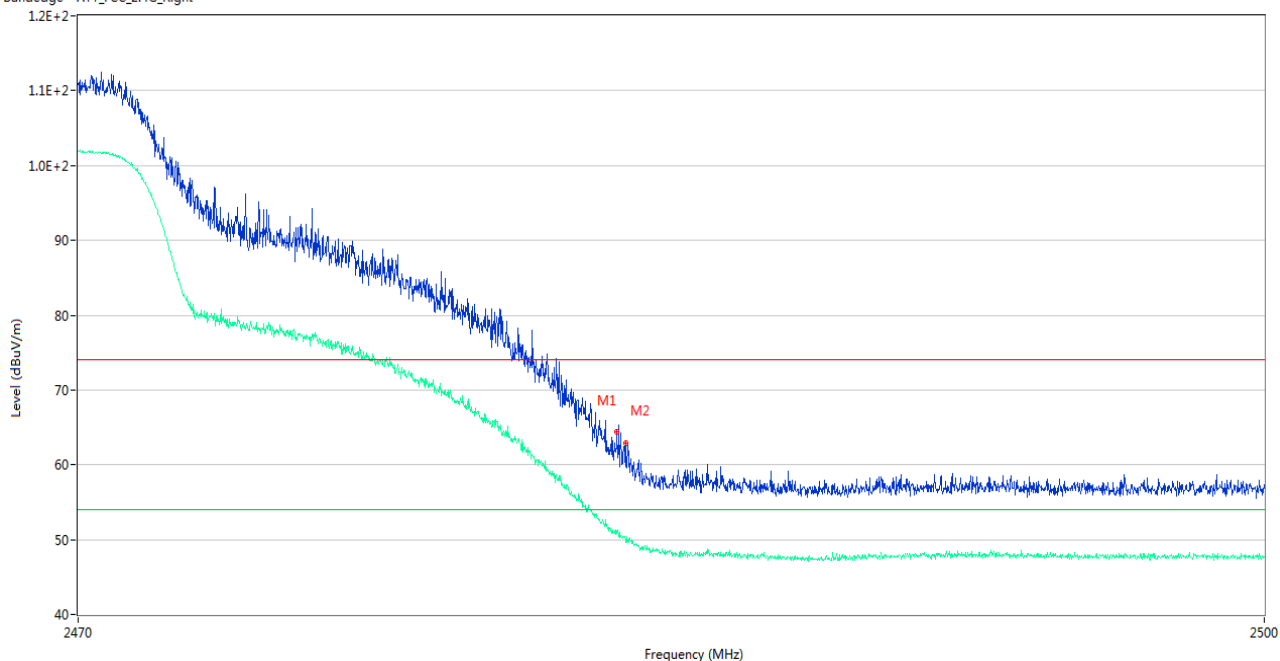
## 802.11ax20(SU) LOW CHANNEL



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 2388.800        | 64.36            | 1.90        | 74.0           | 9.64        | Peak     | 37.00          | 150         | Horizontal | Pass    |
| 1** | 2388.800        | 49.98            | 1.90        | 54.0           | 4.02        | AV       | 37.00          | 150         | Horizontal | Pass    |
| 2   | 2389.950        | 61.58            | 1.92        | 74.0           | 12.42       | Peak     | 63.00          | 200         | Horizontal | Pass    |
| 2** | 2389.950        | 50.20            | 1.92        | 54.0           | 3.80        | AV       | 63.00          | 200         | Horizontal | Pass    |
| 3   | 2389.750        | 62.03            | 1.92        | 74.0           | 11.97       | Peak     | 61.00          | 150         | Horizontal | Pass    |
| 3** | 2389.750        | 50.52            | 1.92        | 54.0           | 3.48        | AV       | 61.00          | 150         | Horizontal | Pass    |

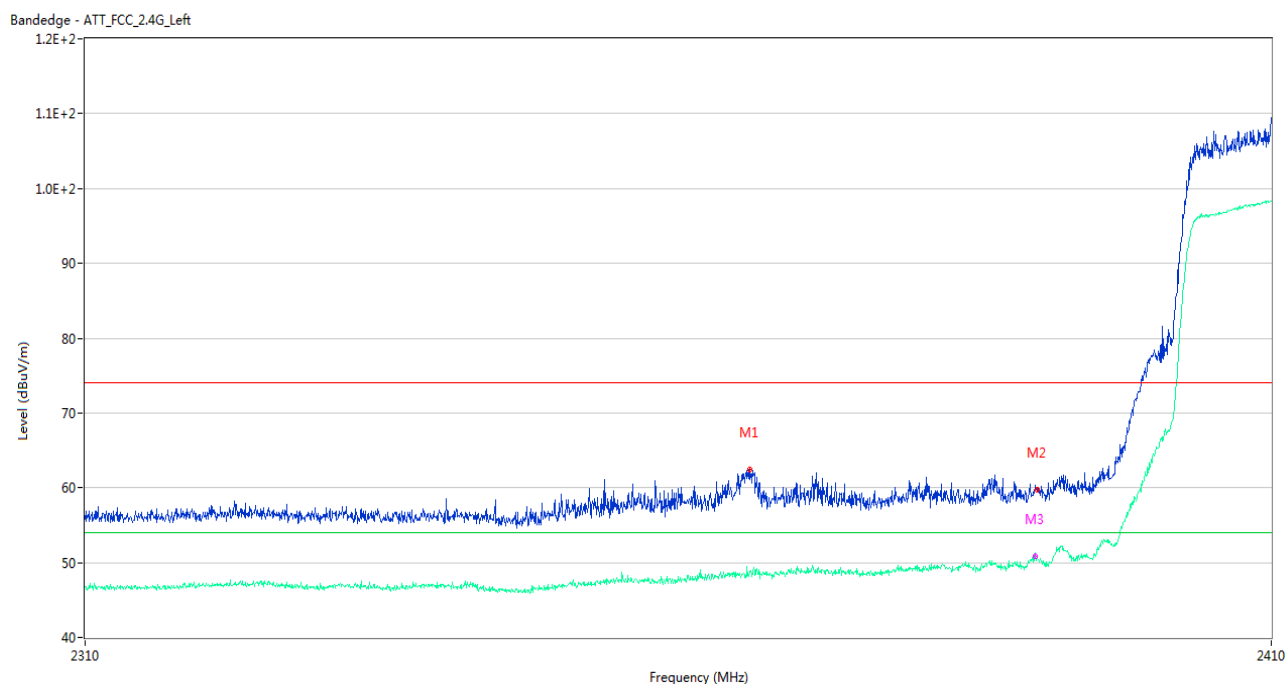
## 802.11 ax20(SU) HIGH CHANNEL

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   | 2483.590        | 64.34            | 2.11        | 74.0           | 9.66        | Peak     | 66.00          | 150         | Horizontal | Pass    |
| 1** | 2483.590        | 50.94            | 2.11        | 54.0           | 3.06        | AV       | 66.00          | 150         | Horizontal | Pass    |
| 2   | 2483.815        | 62.88            | 2.12        | 74.0           | 11.12       | Peak     | 58.00          | 200         | Horizontal | Pass    |
| 2** | 2483.815        | 49.71            | 2.12        | 54.0           | 4.29        | AV       | 58.00          | 200         | Horizontal | Pass    |

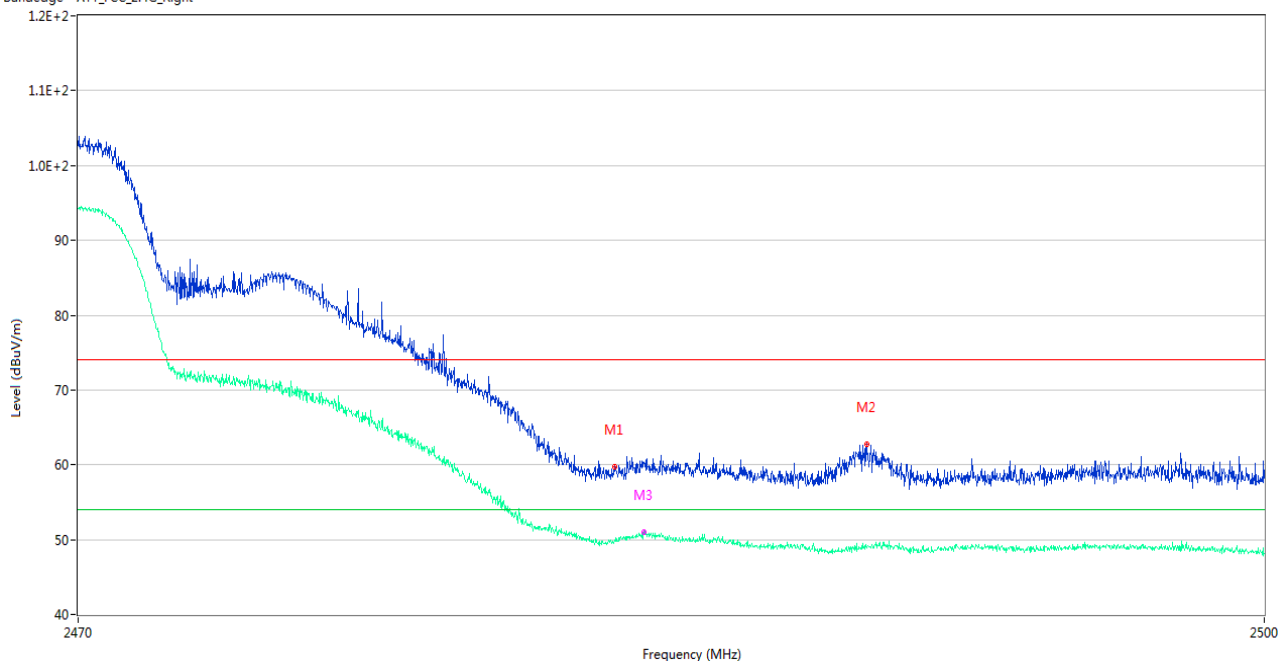
## 802.11ax40(SU) LOW CHANNEL



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 2365.550        | 62.47            | 1.78        | 74.0           | 11.53       | Peak     | 66.00          | 100         | Horizontal | Pass    |
| 1** | 2365.550        | 48.88            | 1.78        | 54.0           | 5.12        | AV       | 66.00          | 100         | Horizontal | Pass    |
| 2   | 2389.950        | 59.74            | 1.92        | 74.0           | 14.26       | Peak     | 74.00          | 100         | Horizontal | Pass    |
| 2** | 2389.950        | 50.51            | 1.92        | 54.0           | 3.49        | AV       | 74.00          | 100         | Horizontal | Pass    |
| 3   | 2389.800        | 60.33            | 1.92        | 74.0           | 13.67       | Peak     | 74.00          | 150         | Horizontal | Pass    |
| 3** | 2389.800        | 50.78            | 1.92        | 54.0           | 3.22        | AV       | 74.00          | 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   | 2483.515        | 59.68            | 2.11        | 74.0           | 14.32       | Peak     | 68.00          | 200         | Horizontal | Pass    |
| 1** | 2483.515        | 49.84            | 2.11        | 54.0           | 4.16        | AV       | 68.00          | 200         | Horizontal | Pass    |
| 2   | 2489.905        | 62.68            | 1.69        | 74.0           | 11.32       | Peak     | 73.00          | 150         | Horizontal | Pass    |
| 2** | 2489.905        | 48.94            | 1.69        | 54.0           | 5.06        | AV       | 73.00          | 150         | Horizontal | Pass    |
| 3   | 2484.265        | 60.38            | 2.14        | 74.0           | 13.62       | Peak     | 73.00          | 150         | Horizontal | Pass    |
| 3** | 2484.265        | 50.93            | 2.14        | 54.0           | 3.07        | AV       | 73.00          | 150         | Horizontal | Pass    |

## A.8 Power Spectral Density (PSD)

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

### SISO-0 Test Data

#### 802.11b Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| Low     | -5.91                                | 8                |
| Middle  | -7.02                                | 8                |
| High    | -6.57                                | 8                |

#### 802.11g Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| Low     | -8.17                                | 8                |
| Middle  | -9.22                                | 8                |
| High    | -7.00                                | 8                |

#### 802.11n-20 MHz Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| Low     | -9.74                                | 8                |
| Middle  | -7.44                                | 8                |
| High    | -9.12                                | 8                |

#### 802.11n-40 MHz Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| Low     | -15.43                               | 8                |
| Middle  | -10.47                               | 8                |
| High    | -14.37                               | 8                |

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

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| Low     | -11.61                               | 8                |
| Middle  | -9.65                                | 8                |
| High    | -9.40                                | 8                |

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

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| Low     | -15.48                               | 8                |
| Middle  | -11.61                               | 8                |
| High    | -15.67                               | 8                |

## SISO-0 Test Plots

802.11b LOW CHANNEL



802.11b MIDDLE CHANNEL



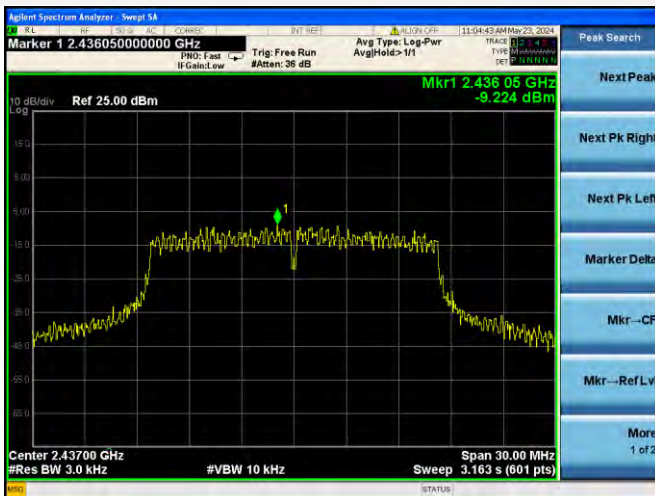
802.11b HIGH CHANNEL



802.11g LOW CHANNEL



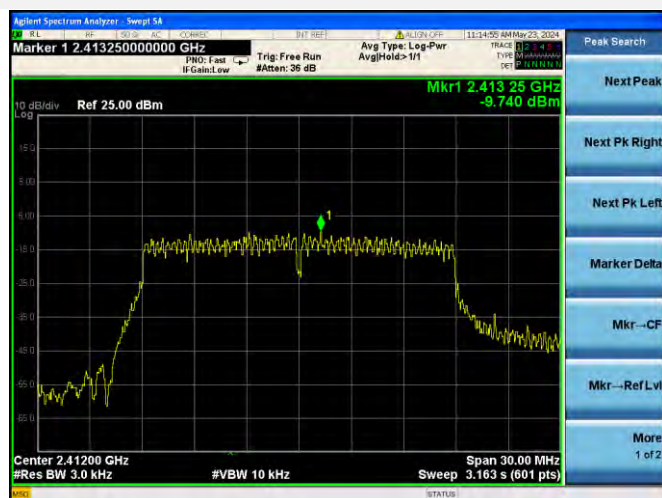
802.11g MIDDLE CHANNEL



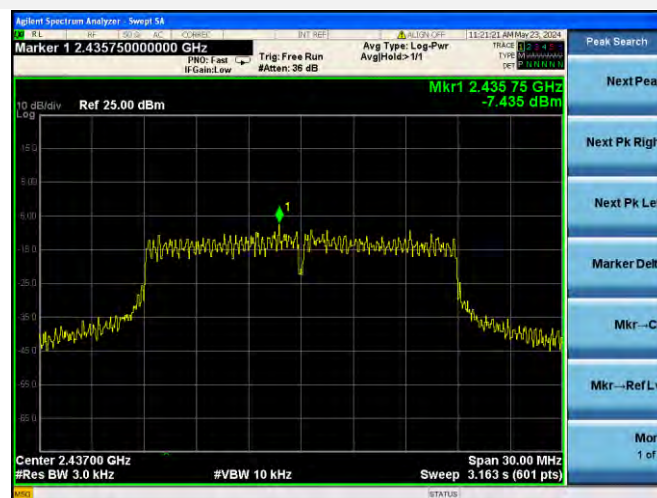
802.11g HIGH CHANNEL



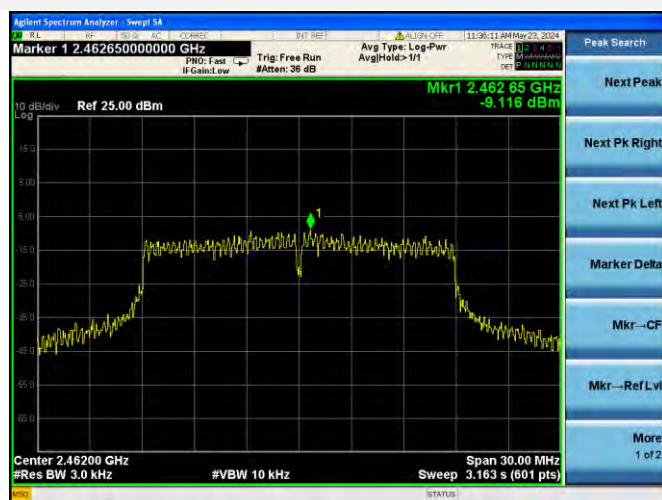
## 802.11n-20 MHz LOW CHANNEL



## 802.11n-20 MHz MIDDLE CHANNEL



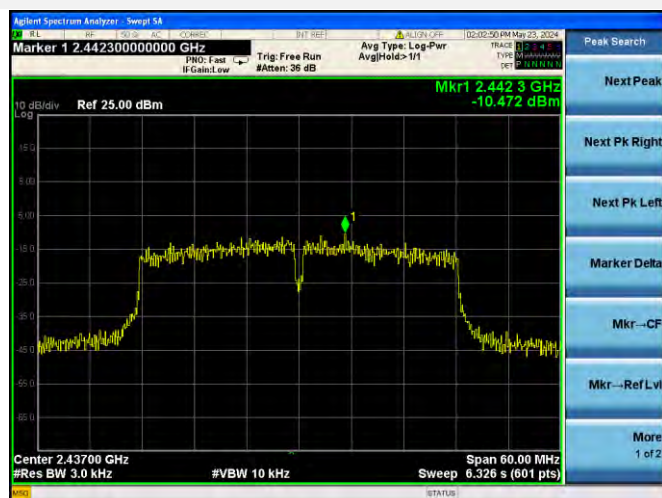
## 802.11n-20 MHz HIGH CHANNEL



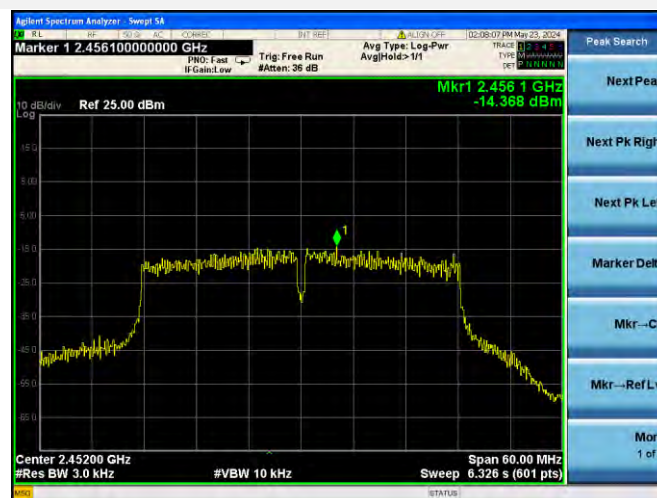
## 802.11n-40 MHz LOW CHANNEL



## 802.11n-40 MHz MIDDLE CHANNEL



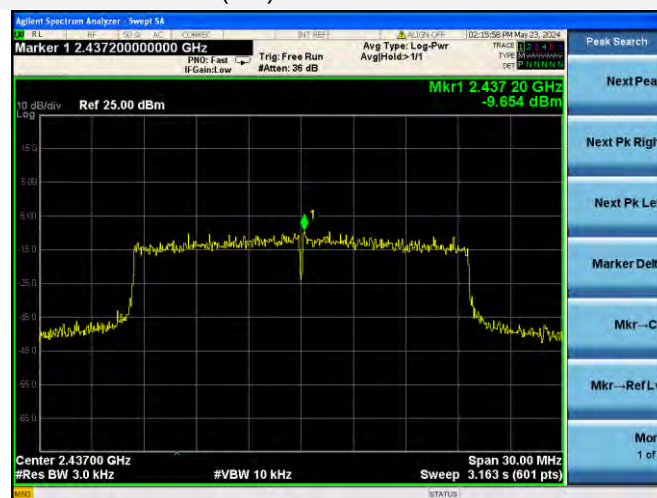
## 802.11n-40 MHz HIGH CHANNEL



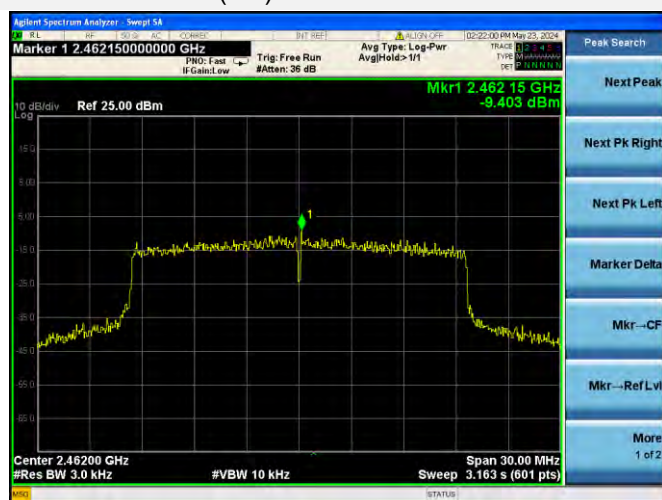
## 802.11ax-20 MHz(SU) LOW CHANNEL



## 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



## **ANNEX B TEST SETUP PHOTOS**

Please refer the document “BL-SZ2450163-AR.PDF”.

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer the document “BL-SZ2450163-AW.PDF”.

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer the document “BL-SZ2450163-AI.PDF”.

## Statement

1. The laboratory guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.
2. The report without China inspection body and laboratory Mandatory Approval (CMA) mark has no effect of proving to the society.
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