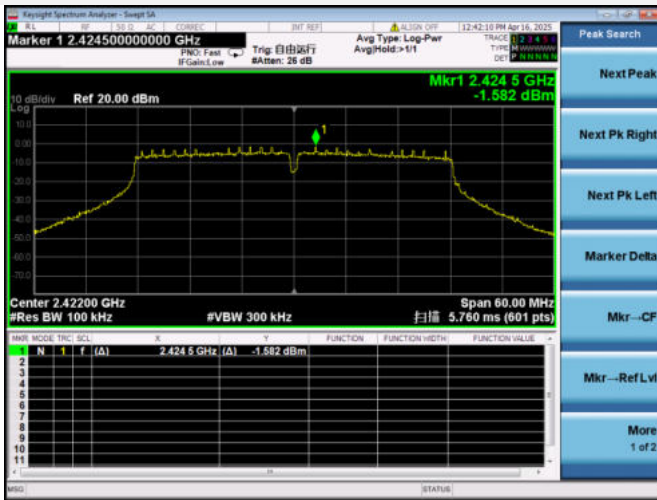
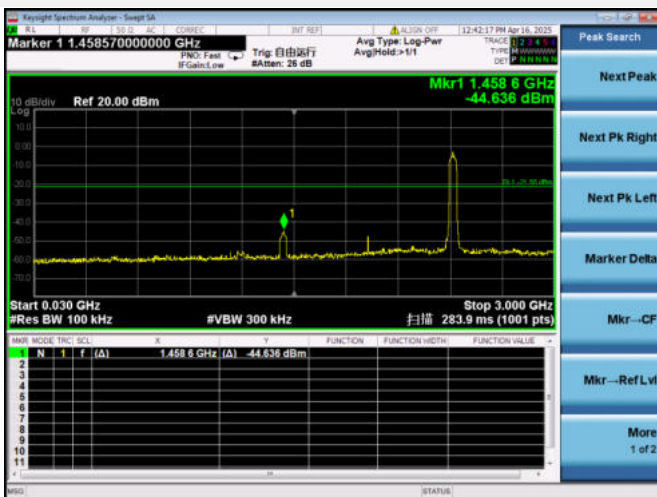
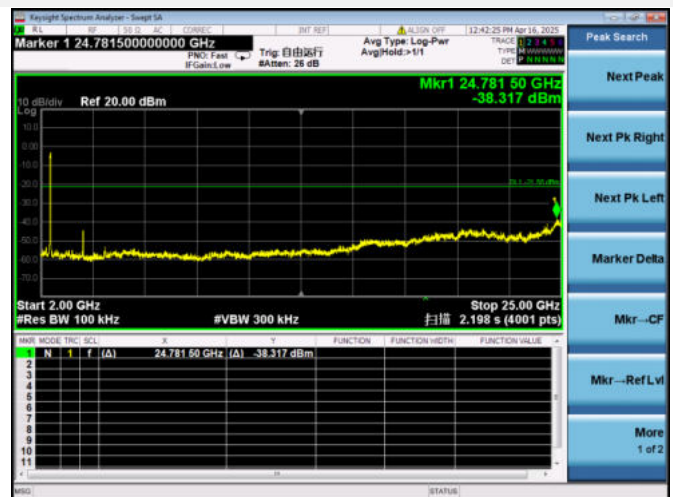
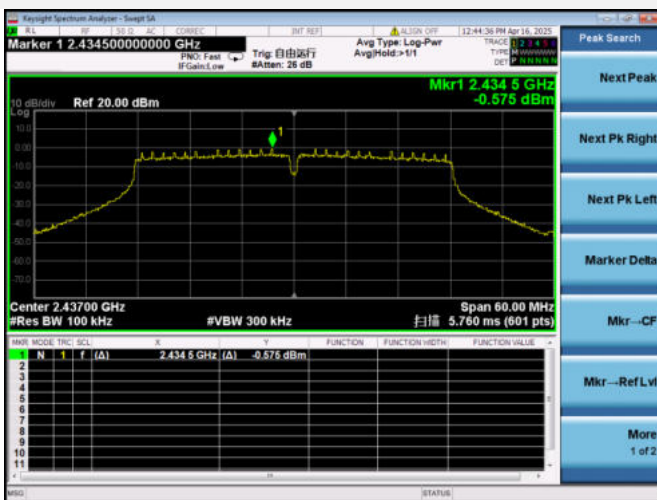


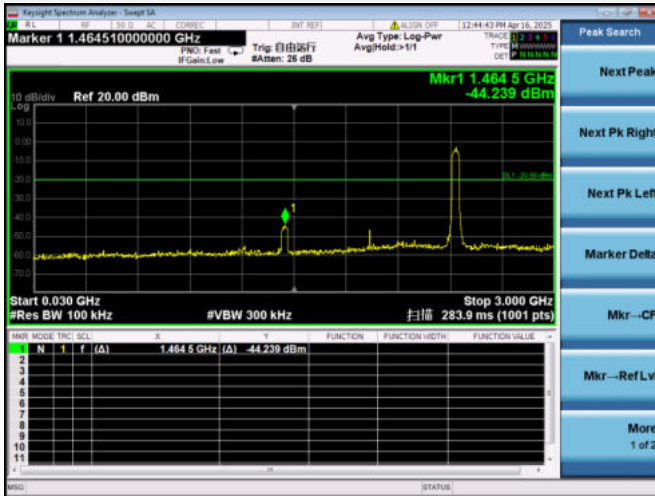
## 802.11n-40 MHz LOW CHANNEL CARRIER LEVEL

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

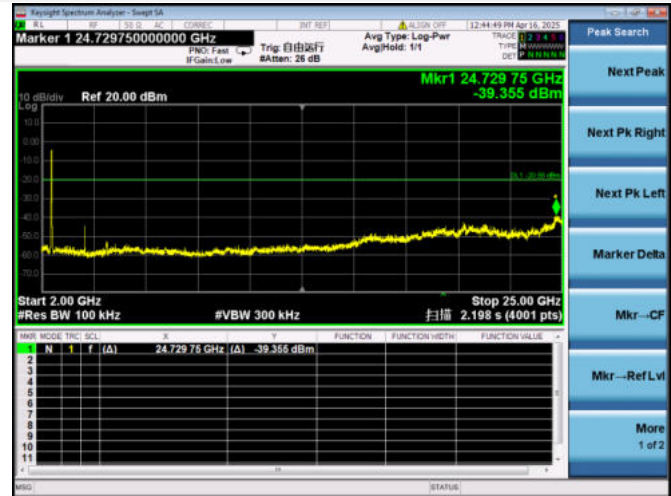
## 802.11n-40 MHz MIDDLE CHANNEL CARRIER LEVEL



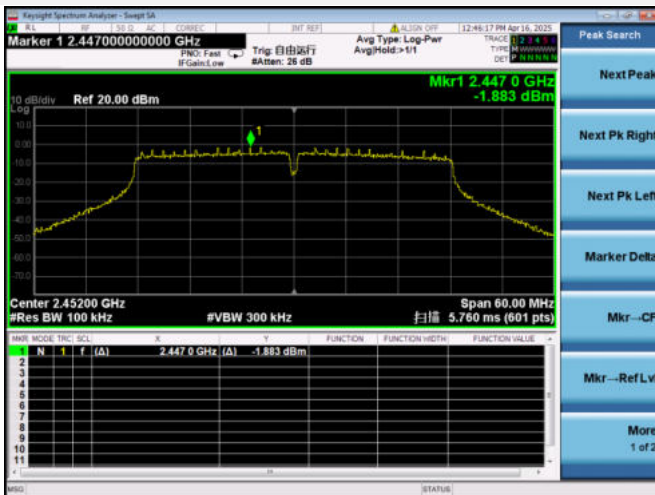
### 802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



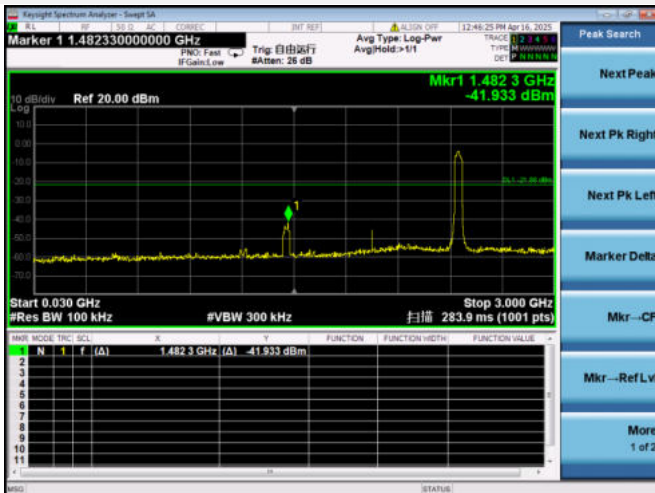
### 802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



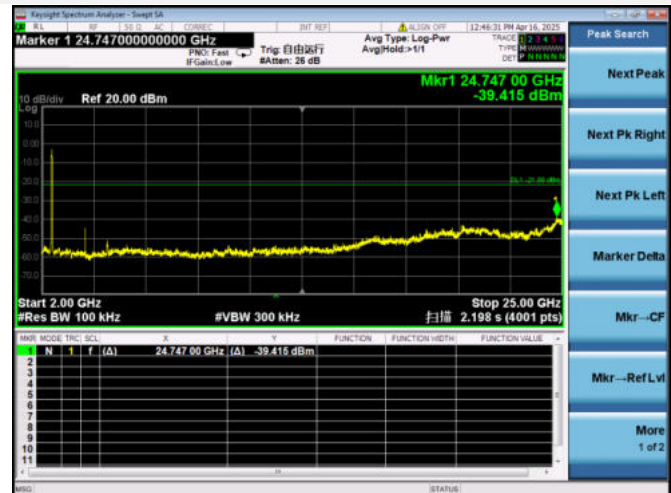
### 802.11n-40 MHz HIGH CHANNEL CARRIER LEVEL



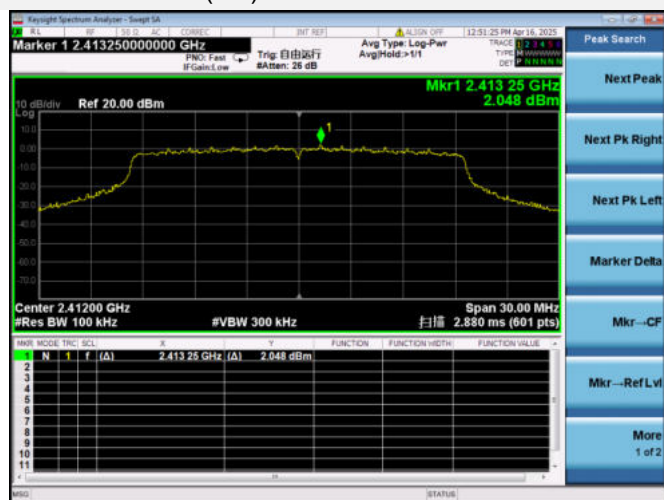
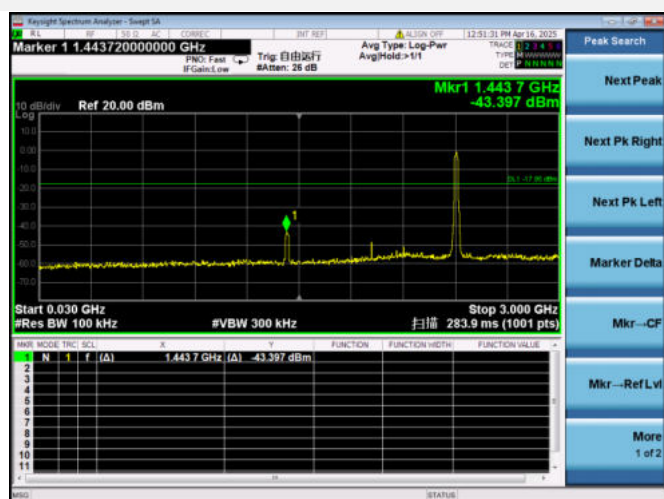
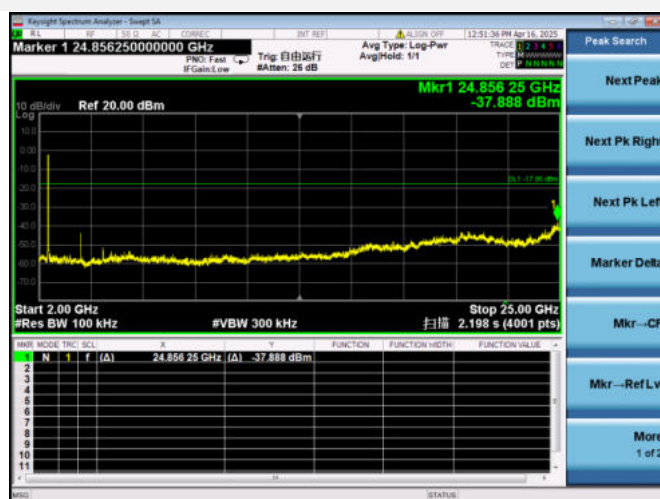
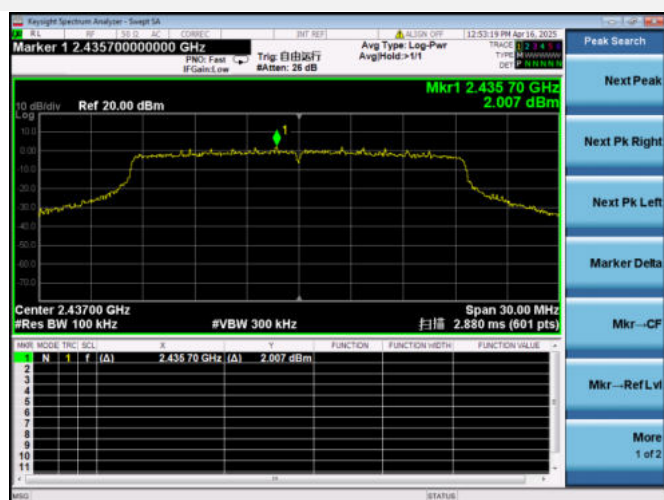
### 802.11n-40 MHz HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



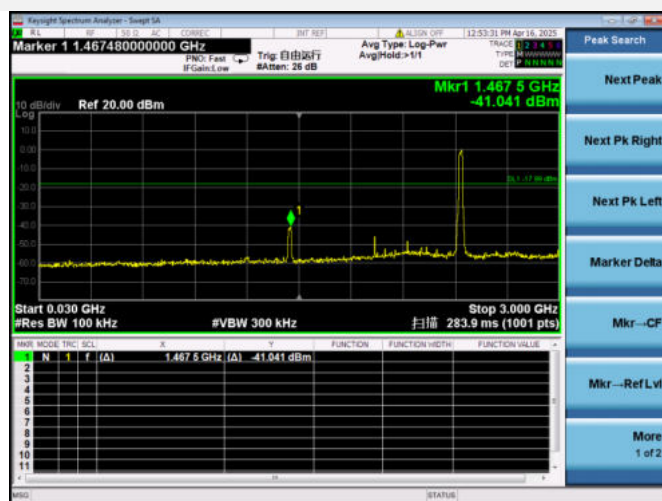
### 802.11n-40 MHz HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



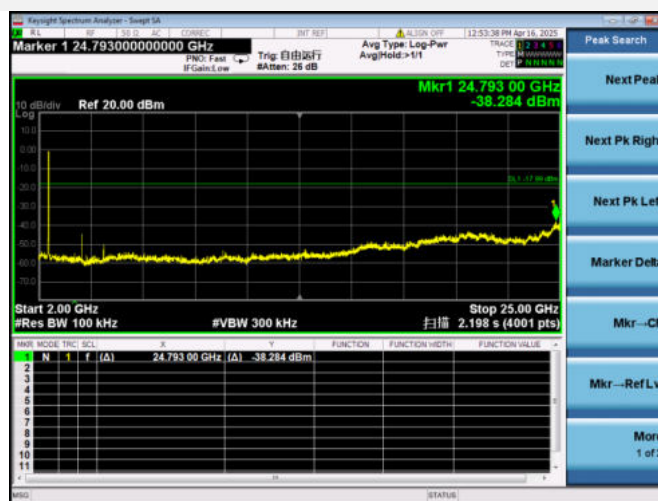
## 802.11ax-20 MHz(SU) LOW CHANNEL CARRIER LEVEL

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

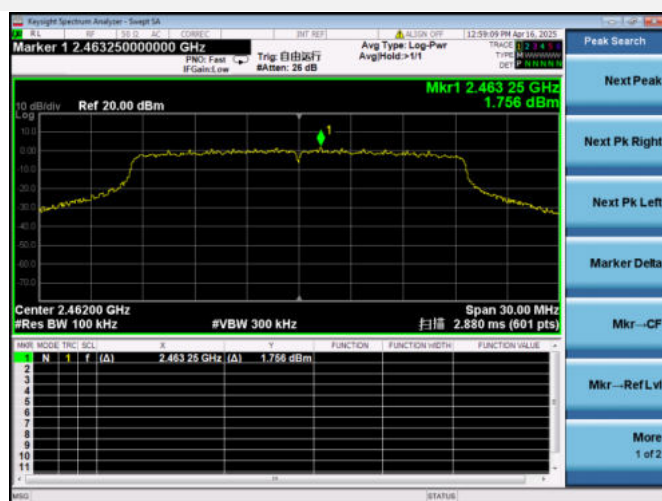
802.11ax-20 MHz(SU) MIDDLE CHANNEL, SPURIOUS  
30 MHz ~ 3 GHz



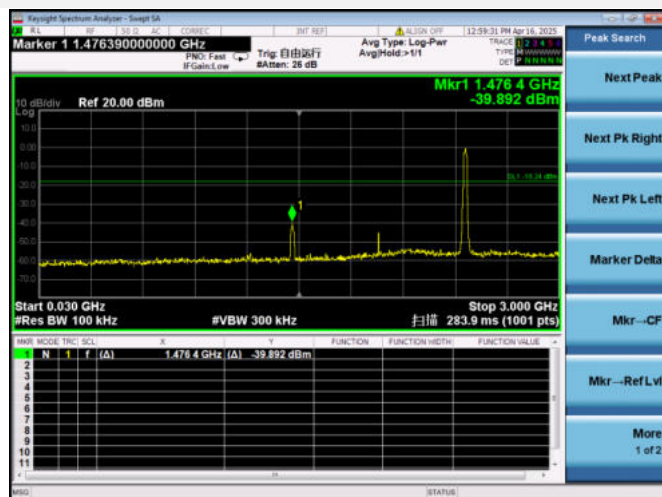
802.11ax-20 MHz(SU) MIDDLE CHANNEL, SPURIOUS  
2 GHz ~ 25 GHz



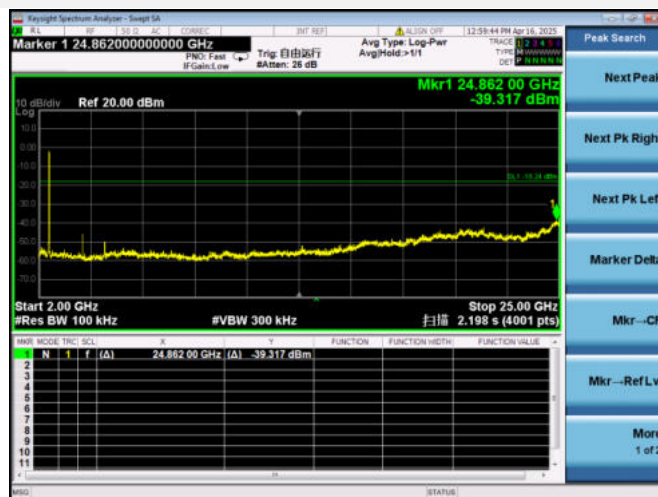
802.11ax-20 MHz(SU) HIGH CHANNEL CARRIER  
LEVEL



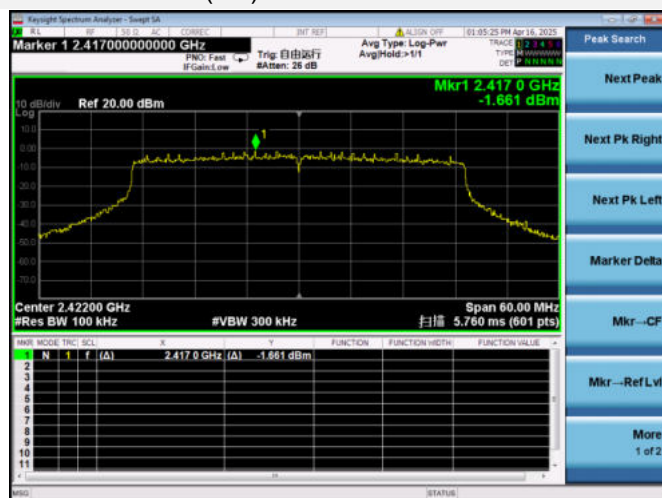
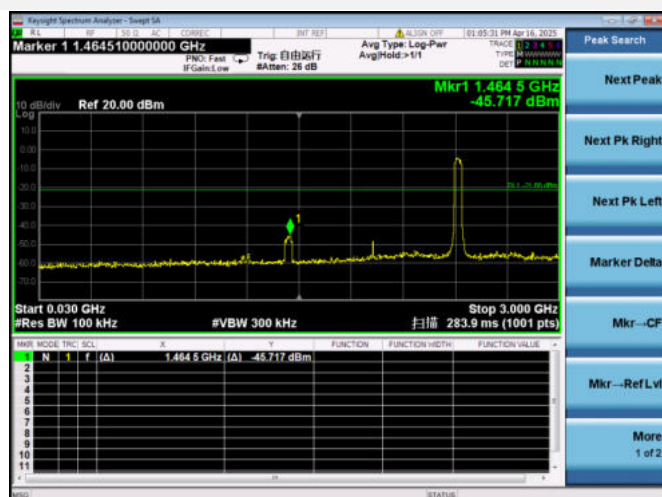
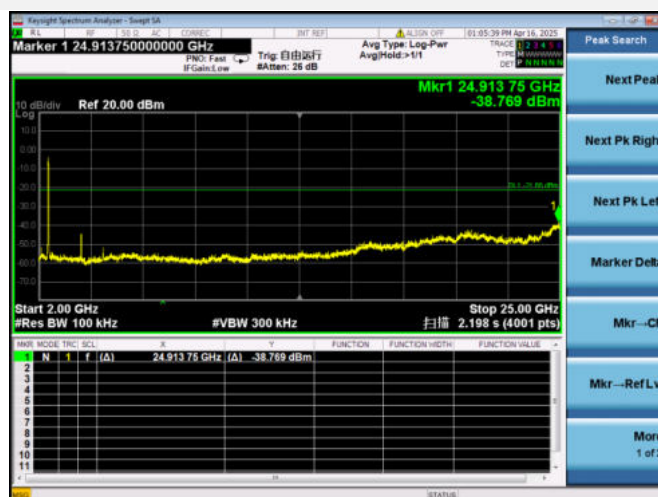
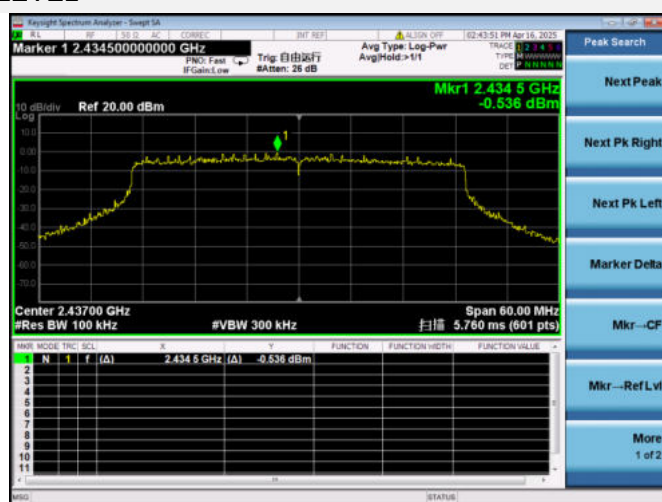
802.11ax-20 MHz(SU) HIGH CHANNEL, SPURIOUS  
30 MHz ~ 3 GHz



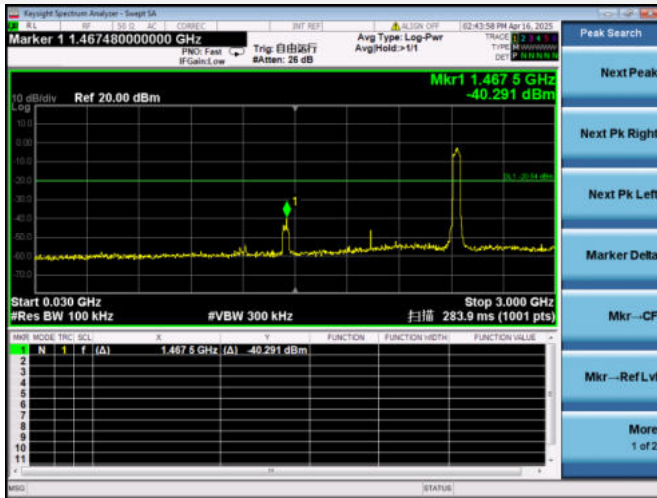
802.11ax-20 MHz(SU) HIGH CHANNEL, SPURIOUS  
2 GHz ~ 25 GHz



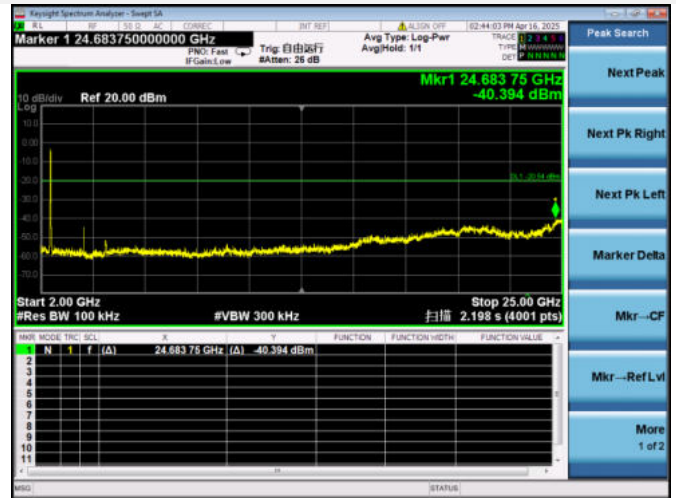
## 802.11ax-40 MHz(SU) LOW CHANNEL CARRIER LEVEL

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

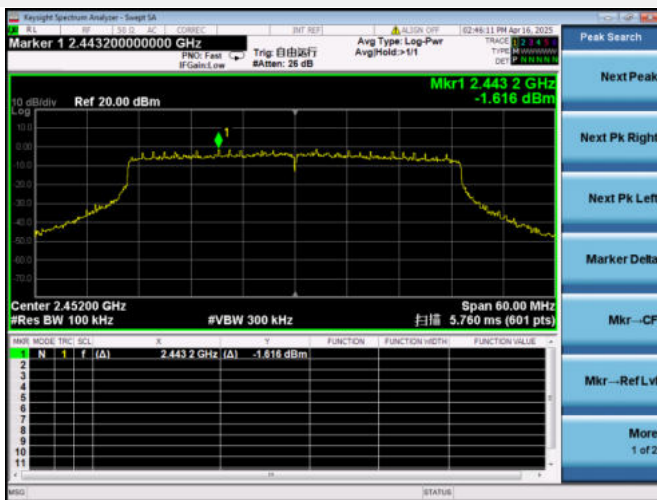
802.11ax-40 MHz(SU) MIDDLE CHANNEL, SPURIOUS  
30 MHz ~ 3 GHz



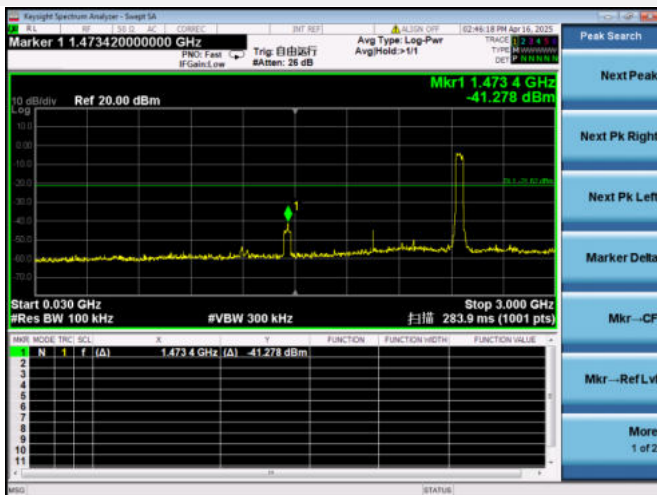
802.11ax-40 MHz(SU) MIDDLE CHANNEL, SPURIOUS  
2 GHz ~ 25 GHz



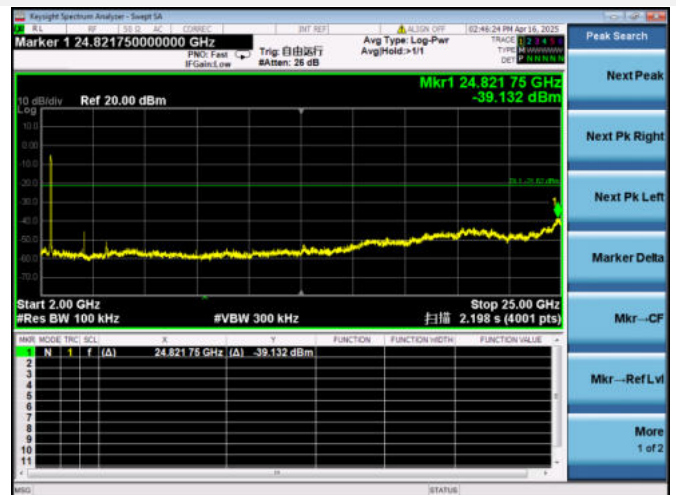
802.11ax-40 MHz(SU) HIGH CHANNEL CARRIER  
LEVEL



802.11ax-40 MHz(SU) HIGH CHANNEL, SPURIOUS  
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: The 99% OBW of the fundamental emission is without 2 MHz of the authorized band.

### 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  | -41.94                                       | 4.99          | -15.01                     | Pass    |
| High Channel | -50.22                                       | 4.05          | -15.95                     | 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  | -26.62                                       | 1.99          | -18.01                     | Pass    |
| High Channel | -46.08                                       | 1.25          | -18.75                     | 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  | -26.40                                       | 1.83          | -18.17                     | Pass    |
| High Channel | -46.50                                       | 1.70          | -18.30                     | 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  | -31.27                                       | -1.58         | -21.58                     | Pass    |
| High Channel | -44.11                                       | -1.88         | -21.88                     | Pass    |

802.11ax-20 MHz(SU) Mode:

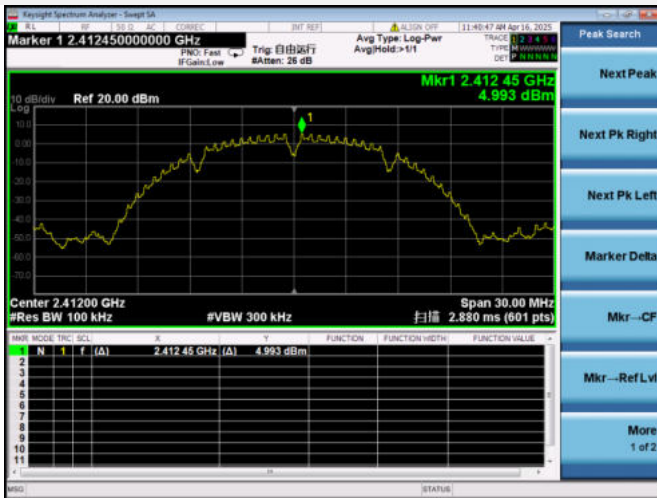
| Channel      | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|--------------|----------------------------------------------|---------------|----------------------------|---------|
|              |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| Low Channel  | -27.07                                       | 2.05          | -17.95                     | Pass    |
| High Channel | -46.90                                       | 1.76          | -18.24                     | 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  | -32.69                                       | -1.66         | -21.66                     | Pass    |
| High Channel | -45.08                                       | -1.62         | -21.62                     | Pass    |

## Test Plots

802.11b LOW CHANNEL, CARRIER LEVEL



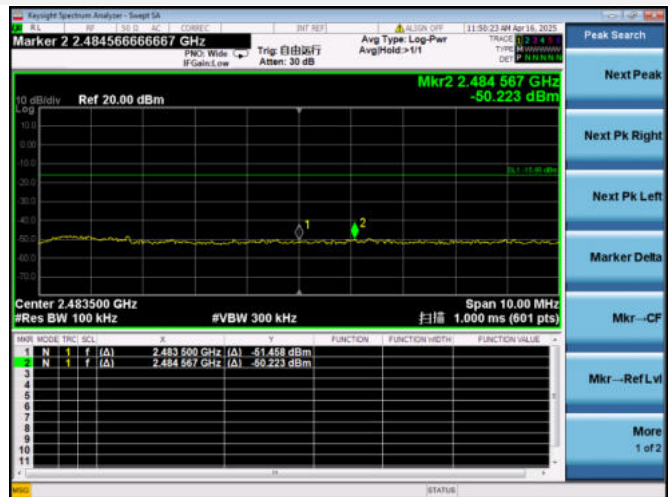
802.11b LOW CHANNEL, BAND EDGE



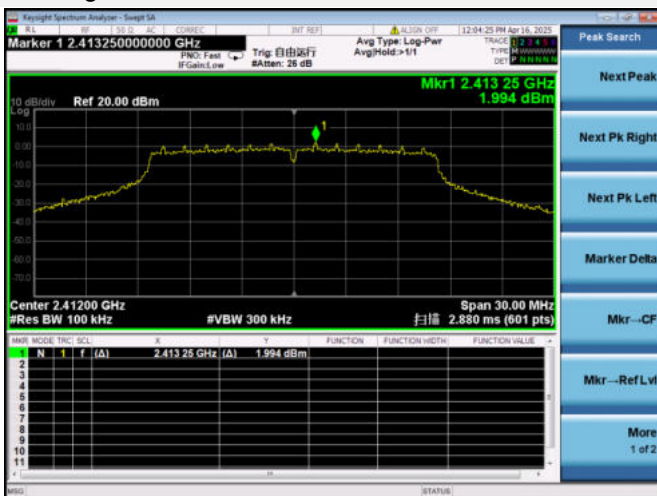
802.11b HIGH CHANNEL, CARRIER LEVEL



802.11b HIGH CHANNEL, BAND EDGE



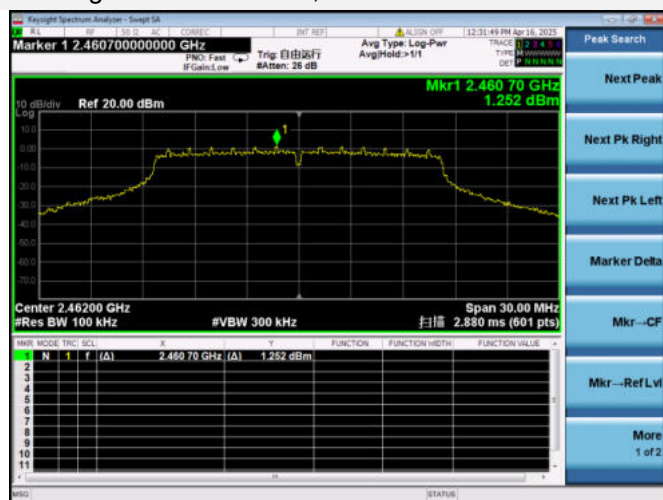
802.11g LOW CHANNEL, CARRIER LEVEL



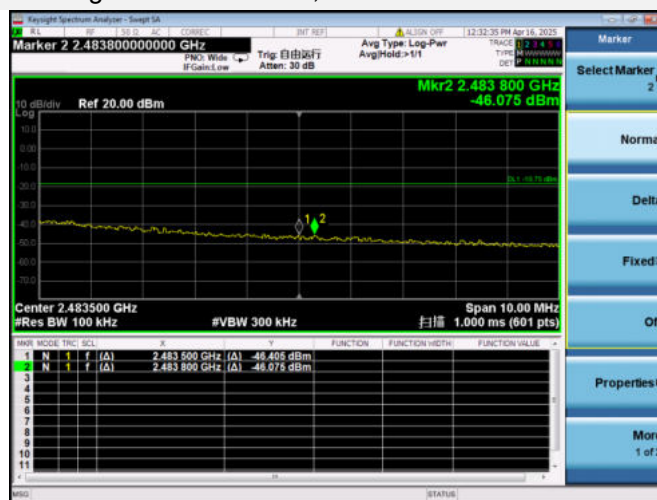
802.11g LOW CHANNEL, BAND EDGE



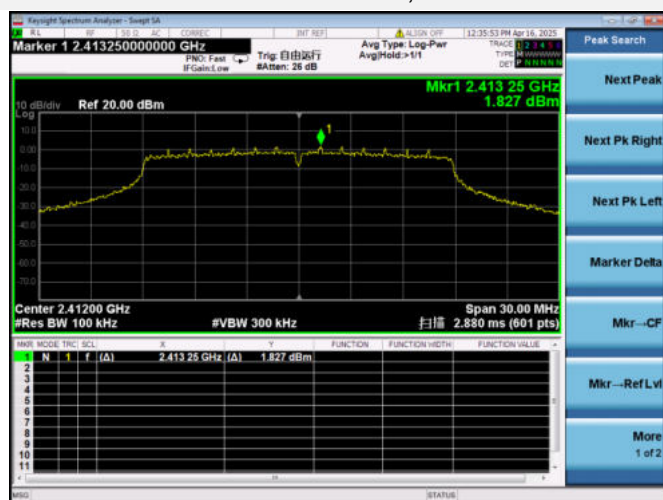
## 802.11g HIGH CHANNEL, CARRIER LEVEL



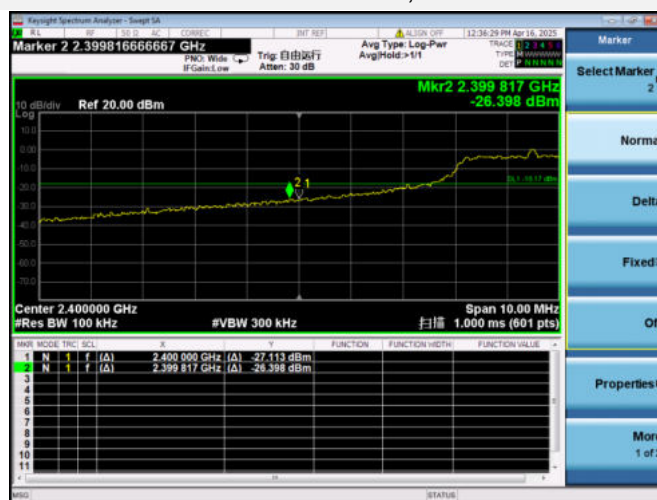
## 802.11g HIGH CHANNEL, BAND EDGE



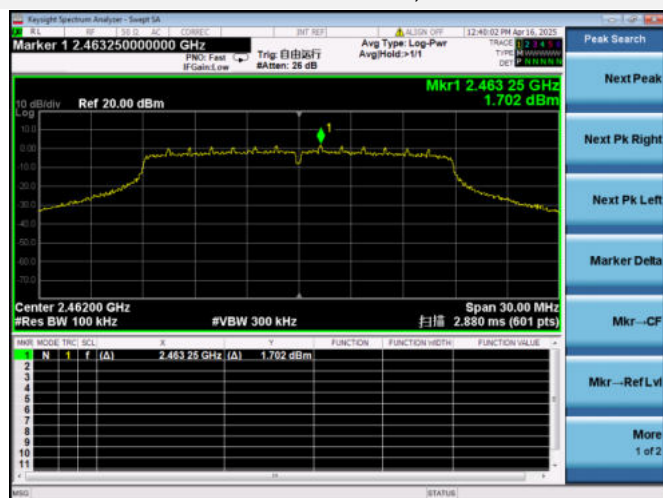
## 802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



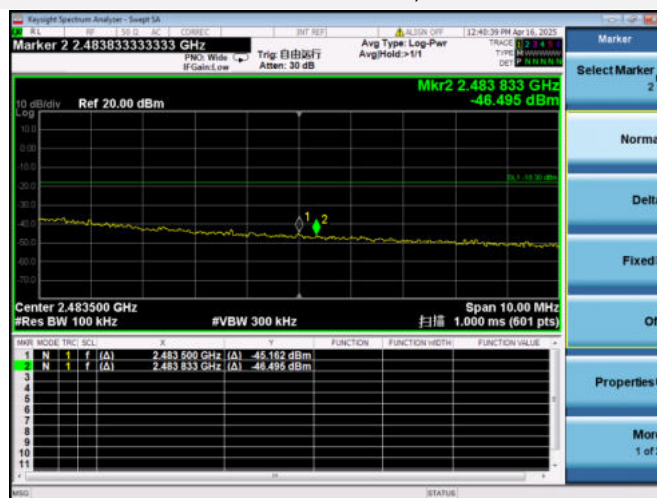
## 802.11n-20 MHz LOW CHANNEL, BAND EDGE



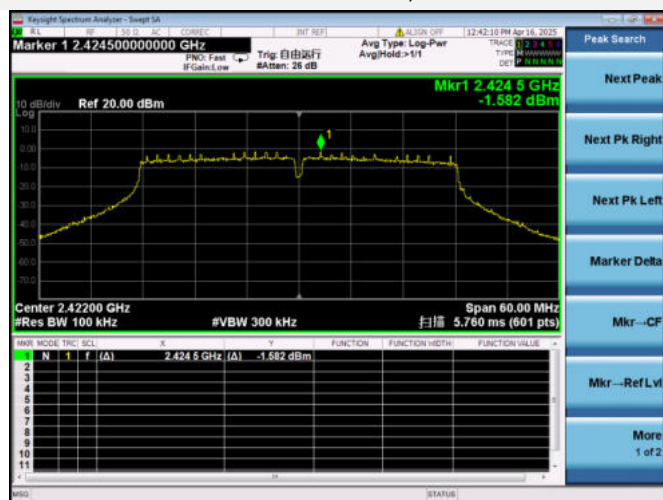
## 802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



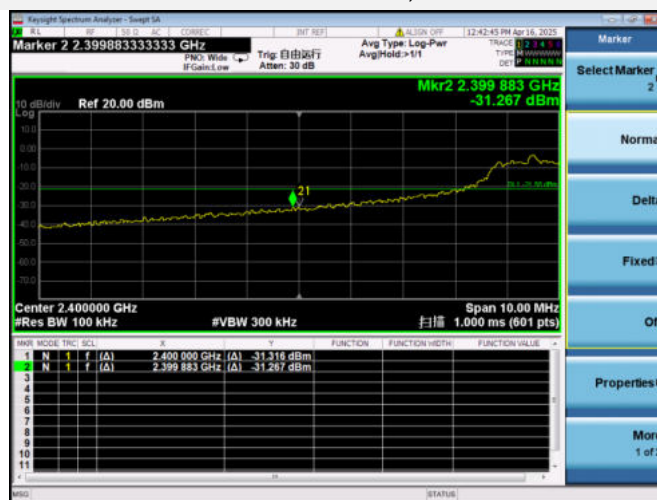
## 802.11n-20 MHz HIGH CHANNEL, BAND EDGE



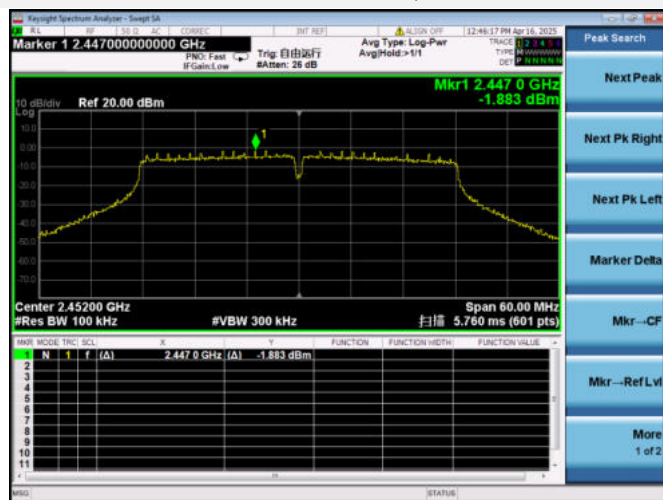
## 802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



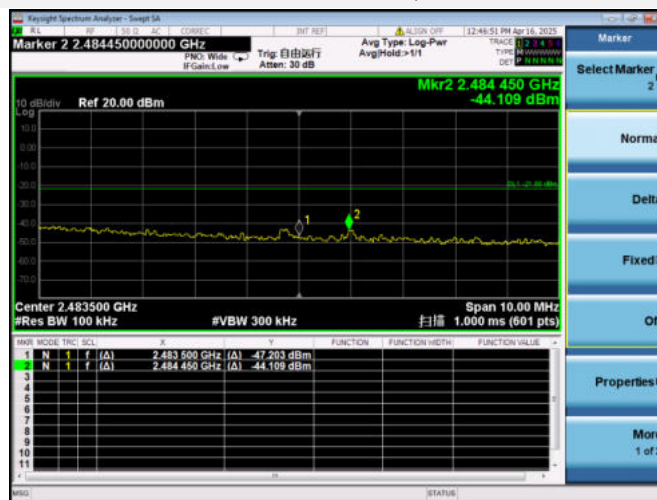
## 802.11n-40 MHz LOW CHANNEL, BAND EDGE



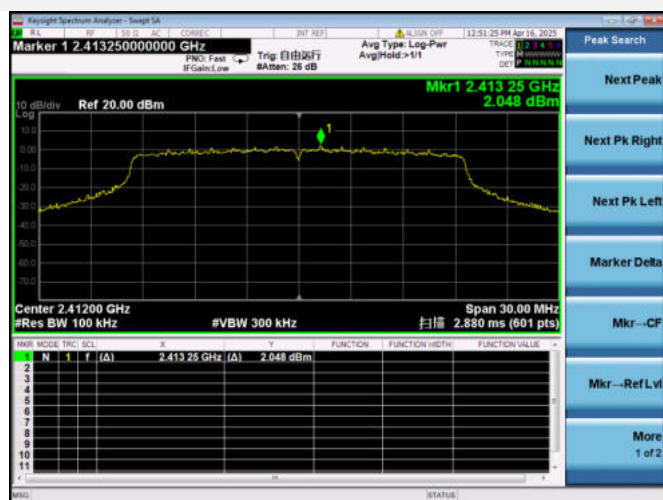
## 802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



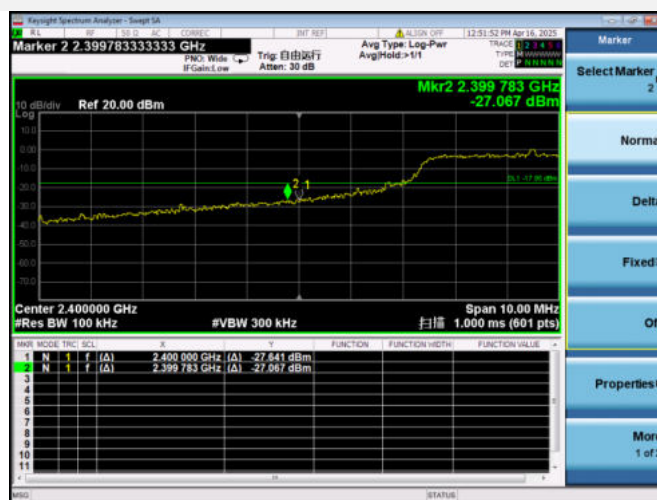
## 802.11n-40 MHz HIGH CHANNEL, BAND EDGE



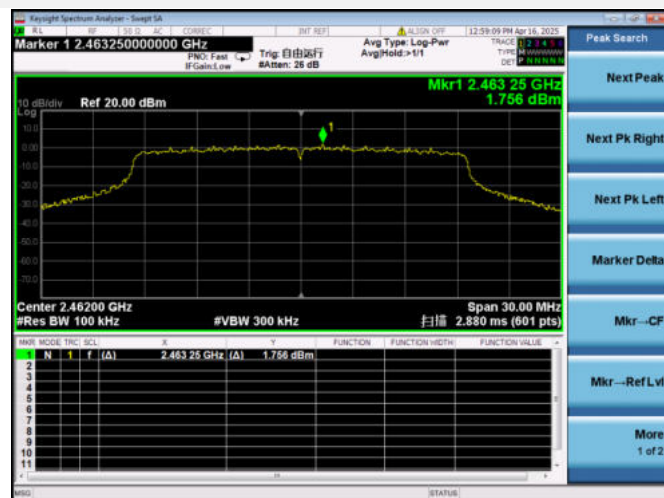
## 802.11ax-20 MHz(SU) LOW CHANNEL, CARRIER LEVEL



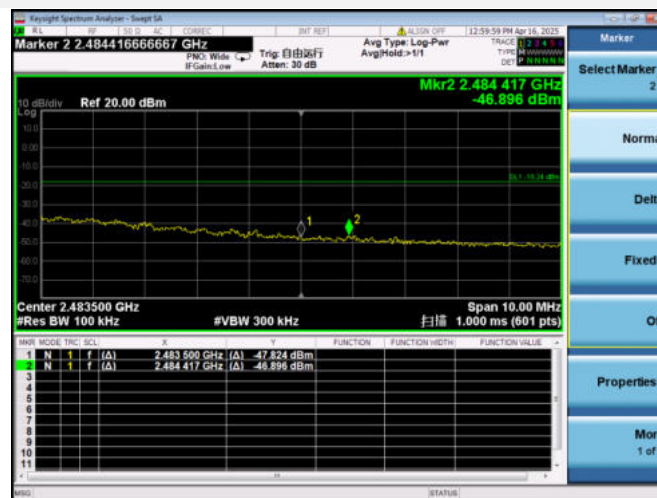
## 802.11ax-20 MHz(SU) LOW CHANNEL, BAND EDGE



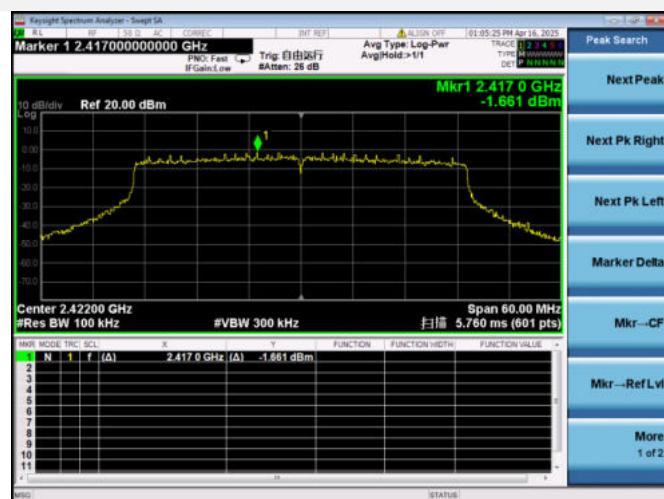
## 802.11ax-20 MHz(SU) HIGH CHANNEL, CARRIER LEVEL



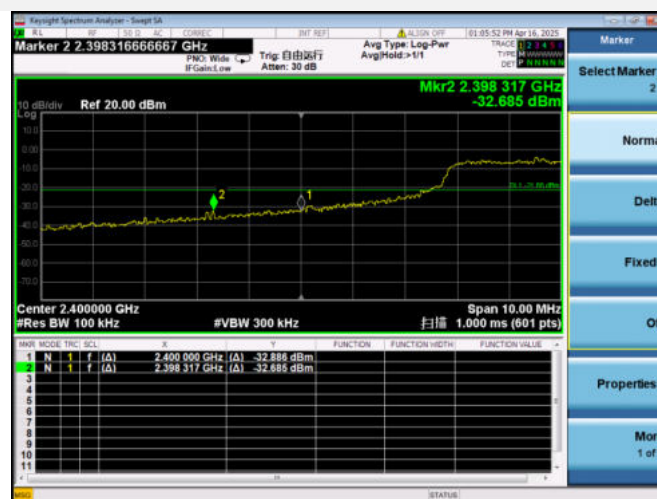
## 802.11ax-20 MHz(SU) HIGH CHANNEL, BAND EDGE



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

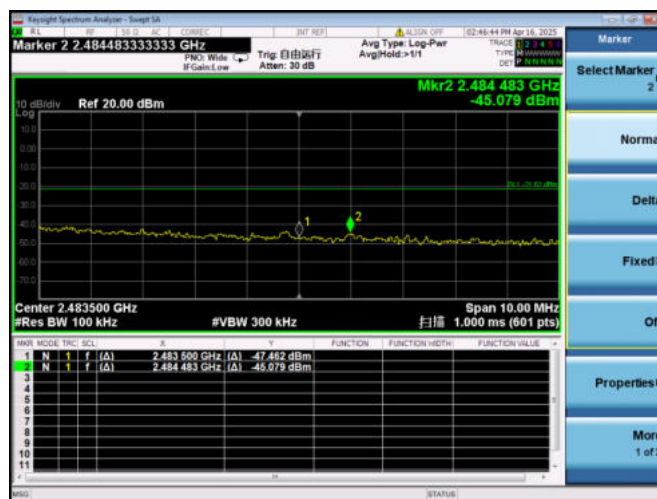
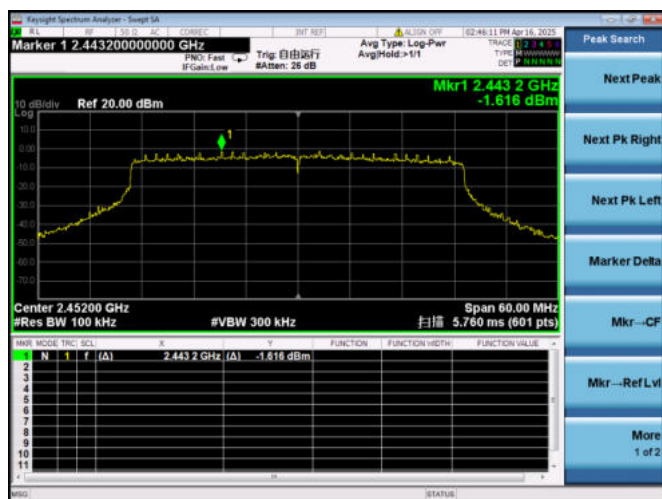


## 802.11ax-40 MHz(SU) LOW CHANNEL, BAND EDGE



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

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



## A.5 Conducted Emissions

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

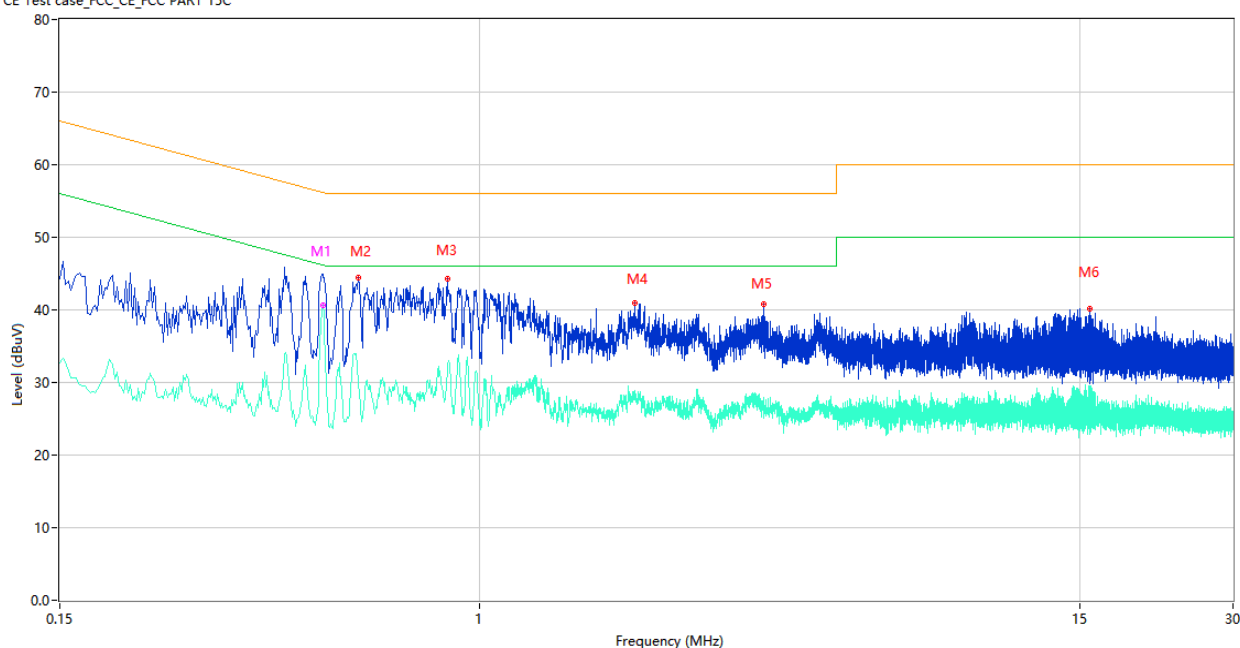
Note<sup>2</sup>: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the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

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

### Test Data and Plots

#### PHASE L

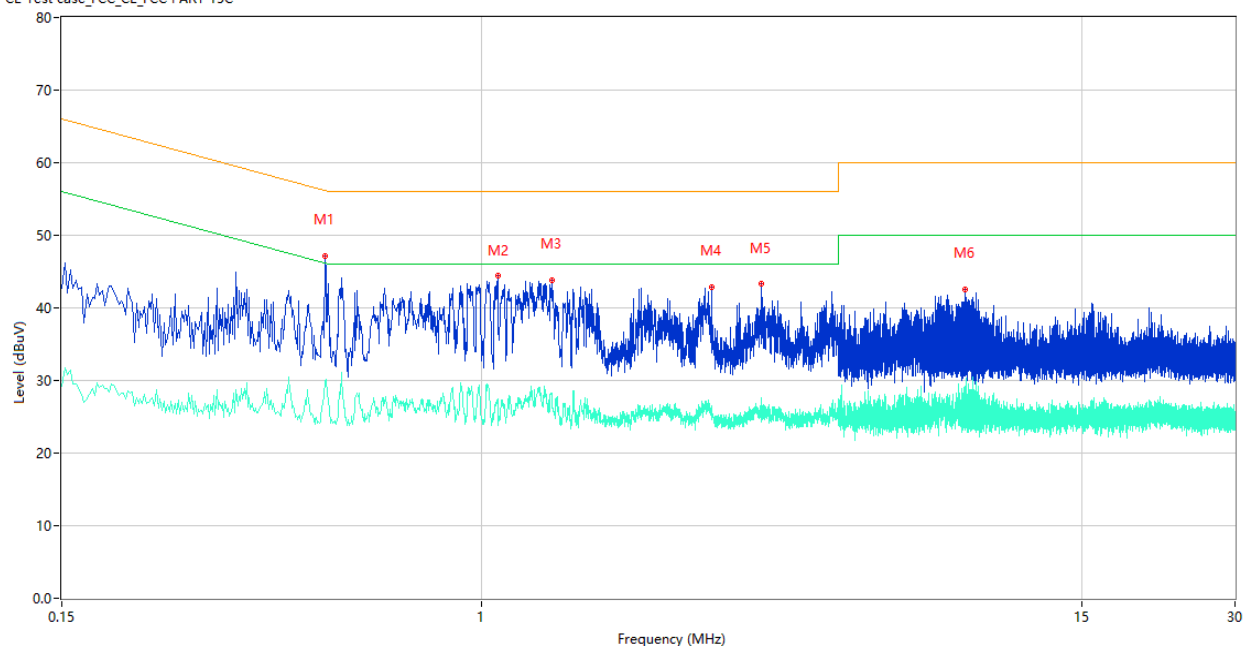
CE Test case\_FCC\_CE\_FCC PART 15C



| No. | Frequency (MHz) | Results (dBuV) | Factor (dB) | Limit (dBuV) | Margin (dB) | Detector | Line | Verdict |
|-----|-----------------|----------------|-------------|--------------|-------------|----------|------|---------|
| 1   | 0.492           | 44.97          | 9.99        | 56.13        | 11.16       | Peak     | L    | Pass    |
| 1** | 0.492           | 40.64          | 9.99        | 46.13        | 5.49        | AV       | L    | Pass    |
| 2   | 0.578           | 44.45          | 10.10       | 56.00        | 11.55       | Peak     | L    | Pass    |
| 2** | 0.578           | 30.04          | 10.10       | 46.00        | 15.96       | AV       | L    | Pass    |
| 3   | 0.864           | 44.35          | 10.49       | 56.00        | 11.65       | Peak     | L    | Pass    |
| 3** | 0.864           | 31.57          | 10.49       | 46.00        | 14.43       | AV       | L    | Pass    |
| 4   | 2.012           | 40.92          | 10.30       | 56.00        | 15.08       | Peak     | L    | Pass    |
| 4** | 2.012           | 28.15          | 10.30       | 46.00        | 17.85       | AV       | L    | Pass    |
| 5   | 3.602           | 40.72          | 10.36       | 56.00        | 15.28       | Peak     | L    | Pass    |
| 5** | 3.602           | 25.07          | 10.36       | 46.00        | 20.93       | AV       | L    | Pass    |
| 6   | 15.680          | 40.19          | 10.60       | 60.00        | 19.81       | Peak     | L    | Pass    |
| 6** | 15.680          | 29.12          | 10.60       | 50.00        | 20.88       | 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   | 0.492           | 47.16          | 9.99        | 56.13        | 8.97        | Peak     | N    | Pass    |
| 1** | 0.492           | 30.03          | 9.99        | 46.13        | 16.10       | AV       | N    | Pass    |
| 2   | 1.074           | 44.50          | 10.08       | 56.00        | 11.50       | Peak     | N    | Pass    |
| 2** | 1.074           | 27.44          | 10.08       | 46.00        | 18.56       | AV       | N    | Pass    |
| 3   | 1.372           | 43.84          | 9.88        | 56.00        | 12.16       | Peak     | N    | Pass    |
| 3** | 1.372           | 28.26          | 9.88        | 46.00        | 17.74       | AV       | N    | Pass    |
| 4   | 2.828           | 42.87          | 9.99        | 56.00        | 13.13       | Peak     | N    | Pass    |
| 4** | 2.828           | 26.54          | 9.99        | 46.00        | 19.46       | AV       | N    | Pass    |
| 5   | 3.538           | 43.25          | 10.20       | 56.00        | 12.75       | Peak     | N    | Pass    |
| 5** | 3.538           | 25.37          | 10.20       | 46.00        | 20.63       | AV       | N    | Pass    |
| 6   | 8.864           | 42.61          | 10.36       | 60.00        | 17.39       | Peak     | N    | Pass    |
| 6** | 8.864           | 28.83          | 10.36       | 50.00        | 21.17       | AV       | N    | Pass    |

## A.6 Radiated Emission

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

Note<sup>2</sup>: For the test data above 1 GHz, According the ANSI C63.10-2020, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

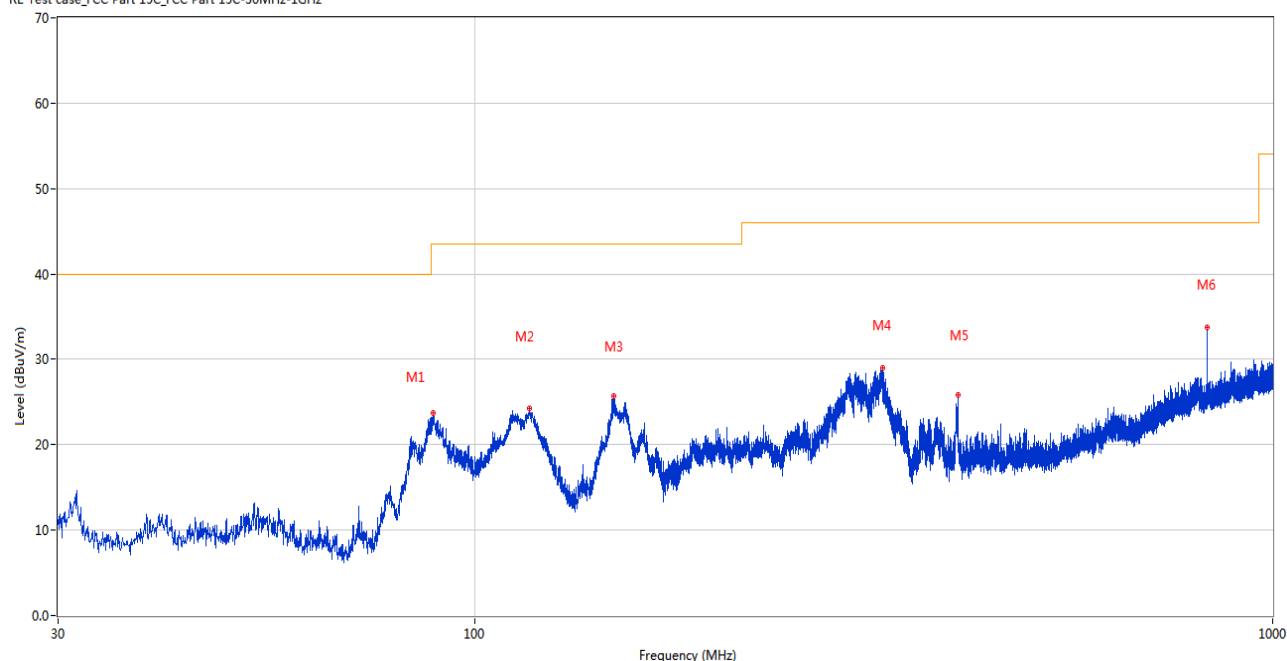
Note<sup>3</sup>: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

### Test Data and Plots

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

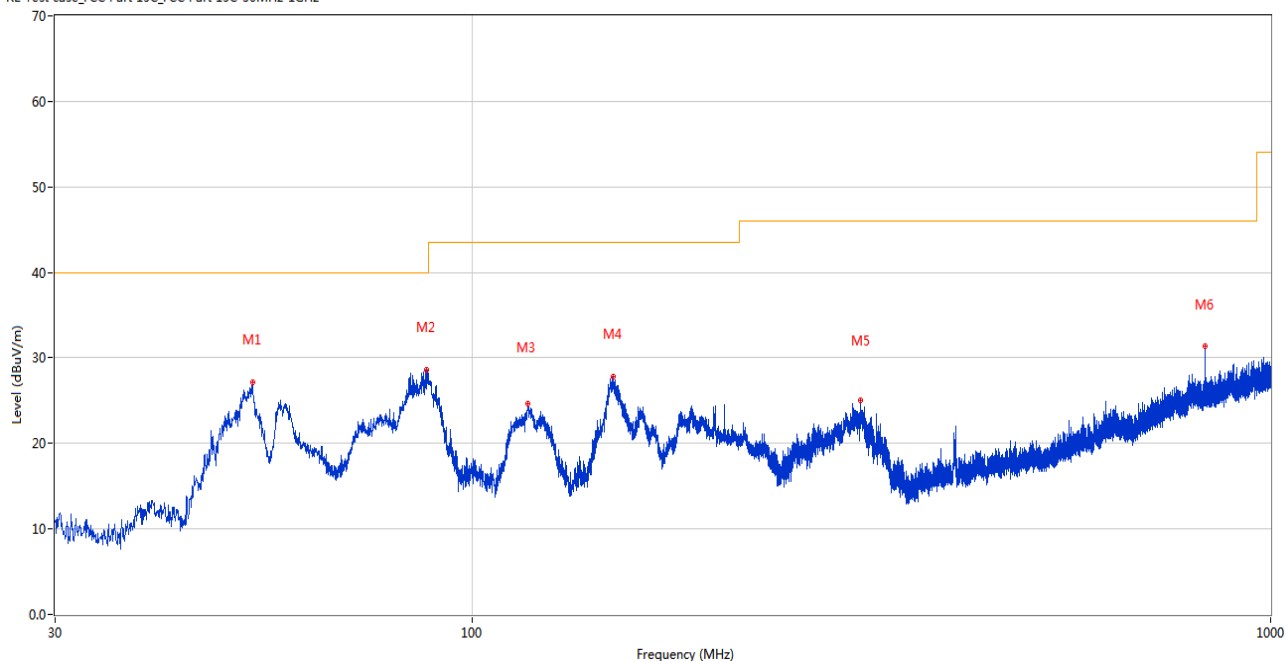
RE Test case\_FCC Part 15C\_FCC Part 15C-30MHz-1GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|---------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 88.588          | 23.70            | -30.25        | 43.5           | 19.80       | Peak     | 124.00         | 200         | Horizontal | Pass    |
| 2   | 116.961         | 24.31            | -28.50        | 43.5           | 19.19       | Peak     | 303.00         | 200         | Horizontal | Pass    |
| 3   | 149.068         | 25.76            | -25.58        | 43.5           | 17.74       | Peak     | 310.00         | 200         | Horizontal | Pass    |
| 4   | 324.153         | 28.95            | -23.75        | 46.0           | 17.05       | Peak     | 82.00          | 100         | Horizontal | Pass    |
| 5   | 403.159         | 25.77            | -21.60        | 46.0           | 20.23       | Peak     | 223.00         | 100         | Horizontal | Pass    |
| 6   | 827.970         | 33.79            | -11.83        | 46.0           | 12.21       | Peak     | 163.00         | 100         | Horizontal | Pass    |

## 30 MHz to 1 GHz, ANT V

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



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|---------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 53.038          | 27.17            | -26.65        | 40.0           | 12.83       | Peak     | 42.00          | 100         | Vertical | Pass    |
| 2   | 87.521          | 28.59            | -30.68        | 40.0           | 11.41       | Peak     | 94.00          | 100         | Vertical | Pass    |
| 3   | 117.446         | 24.70            | -28.43        | 43.5           | 18.80       | Peak     | 174.00         | 100         | Vertical | Pass    |
| 4   | 150.232         | 27.80            | -25.52        | 43.5           | 15.70       | Peak     | 0.00           | 100         | Vertical | Pass    |
| 5   | 306.402         | 25.09            | -24.28        | 46.0           | 20.91       | Peak     | 243.00         | 100         | Vertical | Pass    |
| 6   | 827.970         | 31.31            | -11.83        | 46.0           | 14.69       | Peak     | 147.00         | 100         | Vertical | Pass    |

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

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

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

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1446.300        | 47.93            | 74.0           | 26.07       | Peak     | 76.00          | 100         | Horizontal | Pass    |
| 1** | 1446.300        | 42.64            | 54.0           | 11.36       | AV       | 76.00          | 100         | Horizontal | Pass    |
| 2   | 2413.300        | 99.27            | 74.0           | -25.27      | Peak     | 311.00         | 100         | Horizontal | N/A     |
| 2** | 2413.300        | 96.40            | 54.0           | -42.40      | AV       | 311.00         | 100         | Horizontal | N/A     |
| 3   | 4824.000        | 53.29            | 74.0           | 20.71       | Peak     | 336.00         | 150         | Horizontal | Pass    |
| 3** | 4824.000        | 50.19            | 54.0           | 3.81        | AV       | 336.00         | 150         | Horizontal | Pass    |
| 4   | 6976.200        | 55.09            | 74.0           | 18.91       | Peak     | 0.00           | 300         | Horizontal | Pass    |
| 4** | 6976.200        | 45.81            | 54.0           | 8.19        | AV       | 0.00           | 300         | Horizontal | Pass    |
| 5   | 11815.338       | 51.92            | 74.0           | 22.08       | Peak     | 321.00         | 200         | Horizontal | Pass    |
| 5** | 11815.338       | 42.43            | 54.0           | 11.57       | AV       | 321.00         | 200         | Horizontal | Pass    |
| 6   | 17439.562       | 55.94            | 74.0           | 18.06       | Peak     | 47.00          | 200         | Horizontal | Pass    |
| 6** | 17439.562       | 46.43            | 54.0           | 7.57        | AV       | 47.00          | 200         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1163.300        | 49.77            | 74.0           | 24.23       | Peak     | 60.00          | 100         | Vertical | Pass    |
| 1** | 1163.300        | 34.93            | 54.0           | 19.07       | AV       | 60.00          | 100         | Vertical | Pass    |
| 2   | 2413.200        | 87.31            | 74.0           | -13.31      | Peak     | 30.00          | 100         | Vertical | N/A     |
| 2** | 2413.200        | 84.38            | 54.0           | -30.38      | AV       | 30.00          | 100         | Vertical | N/A     |
| 3   | 4824.000        | 53.37            | 74.0           | 20.63       | Peak     | 195.00         | 150         | Vertical | Pass    |
| 3** | 4824.000        | 49.81            | 54.0           | 4.19        | AV       | 195.00         | 150         | Vertical | Pass    |
| 4   | 6986.600        | 55.67            | 74.0           | 18.33       | Peak     | 286.00         | 400         | Vertical | Pass    |
| 4** | 6986.600        | 45.84            | 54.0           | 8.16        | AV       | 286.00         | 400         | Vertical | Pass    |
| 5   | 10928.975       | 52.13            | 74.0           | 21.87       | Peak     | 360.00         | 400         | Vertical | Pass    |
| 5** | 10928.975       | 43.06            | 54.0           | 10.94       | AV       | 360.00         | 400         | Vertical | Pass    |
| 6   | 16861.012       | 55.78            | 74.0           | 18.22       | Peak     | 214.00         | 100         | Vertical | Pass    |
| 6** | 16861.012       | 45.43            | 54.0           | 8.57        | AV       | 214.00         | 100         | Vertical | Pass    |

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

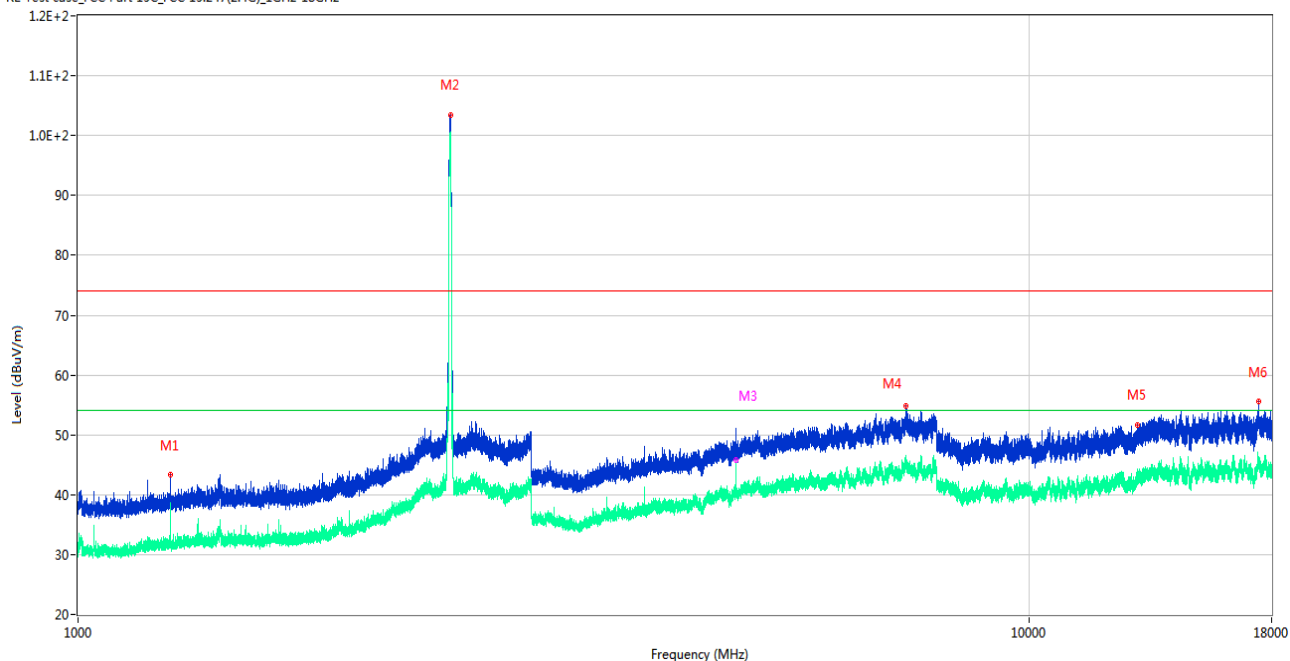
| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1460.600        | 46.90            | 74.0           | 27.10       | Peak     | 77.00          | 200         | Horizontal | Pass    |
| 1** | 1460.600        | 41.22            | 54.0           | 12.78       | AV       | 77.00          | 200         | Horizontal | Pass    |
| 2   | 2435.800        | 99.82            | 74.0           | -25.82      | Peak     | 311.00         | 200         | Horizontal | N/A     |
| 2** | 2435.800        | 96.91            | 54.0           | -42.91      | AV       | 311.00         | 200         | Horizontal | N/A     |
| 3   | 4874.000        | 52.23            | 74.0           | 21.77       | Peak     | 64.00          | 150         | Horizontal | Pass    |
| 3** | 4874.000        | 49.52            | 54.0           | 4.48        | AV       | 64.00          | 150         | Horizontal | Pass    |
| 4   | 6817.000        | 55.02            | 74.0           | 18.98       | Peak     | 79.00          | 300         | Horizontal | Pass    |
| 4** | 6817.000        | 45.72            | 54.0           | 8.28        | AV       | 79.00          | 300         | Horizontal | Pass    |
| 5   | 12778.875       | 52.24            | 74.0           | 21.76       | Peak     | 277.00         | 300         | Horizontal | Pass    |
| 5** | 12778.875       | 42.71            | 54.0           | 11.29       | AV       | 277.00         | 300         | Horizontal | Pass    |
| 6   | 16895.662       | 55.58            | 74.0           | 18.42       | Peak     | 95.00          | 400         | Horizontal | Pass    |
| 6** | 16895.662       | 45.05            | 54.0           | 8.95        | AV       | 95.00          | 400         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1162.400        | 47.37            | 74.0           | 26.63       | Peak     | 62.00          | 100         | Vertical | Pass    |
| 1** | 1162.400        | 36.88            | 54.0           | 17.12       | AV       | 62.00          | 100         | Vertical | Pass    |
| 2   | 2435.800        | 88.42            | 74.0           | -14.42      | Peak     | 122.00         | 150         | Vertical | N/A     |
| 2** | 2435.800        | 85.45            | 54.0           | -31.45      | AV       | 122.00         | 150         | Vertical | N/A     |
| 3   | 4874.200        | 53.29            | 74.0           | 20.71       | Peak     | 91.00          | 150         | Vertical | Pass    |
| 3** | 4874.200        | 49.24            | 54.0           | 4.76        | AV       | 91.00          | 150         | Vertical | Pass    |
| 4   | 6999.200        | 54.89            | 74.0           | 19.11       | Peak     | 66.00          | 100         | Vertical | Pass    |
| 4** | 6999.200        | 46.15            | 54.0           | 7.85        | AV       | 66.00          | 100         | Vertical | Pass    |
| 5   | 10918.912       | 52.29            | 74.0           | 21.71       | Peak     | 63.00          | 300         | Vertical | Pass    |
| 5** | 10918.912       | 43.19            | 54.0           | 10.81       | AV       | 63.00          | 300         | Vertical | Pass    |
| 6   | 17433.000       | 55.60            | 74.0           | 18.40       | Peak     | 166.00         | 400         | Vertical | Pass    |
| 6** | 17433.000       | 46.95            | 54.0           | 7.05        | AV       | 166.00         | 400         | Vertical | Pass    |

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

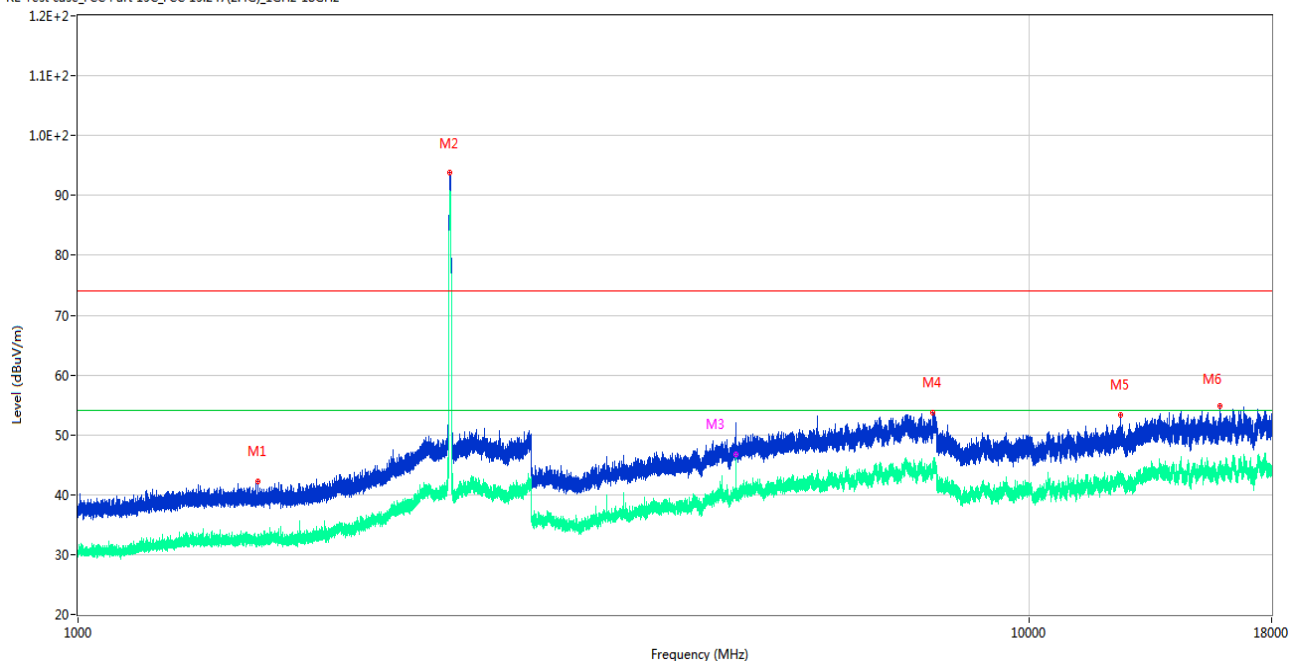
RE Test case\_FCC Part 15C\_FCC 15.247(2.4G)\_1GHz-18GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1249.800        | 43.27            | 74.0           | 30.73       | Peak     | 360.00         | 100         | Horizontal | Pass    |
| 1** | 1249.800        | 37.14            | 54.0           | 16.86       | AV       | 360.00         | 100         | Horizontal | Pass    |
| 2   | 2463.500        | 103.42           | 74.0           | -29.42      | Peak     | 344.00         | 150         | Horizontal | N/A     |
| 2** | 2463.500        | 100.52           | 54.0           | -46.52      | AV       | 344.00         | 150         | Horizontal | N/A     |
| 3   | 4924.250        | 50.16            | 74.0           | 23.84       | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 3** | 4924.250        | 45.79            | 54.0           | 8.21        | AV       | 360.00         | 150         | Horizontal | Pass    |
| 4   | 7420.500        | 54.76            | 74.0           | 19.24       | Peak     | 7.00           | 100         | Horizontal | Pass    |
| 4** | 7420.500        | 45.15            | 54.0           | 8.85        | AV       | 7.00           | 100         | Horizontal | Pass    |
| 5   | 12993.863       | 51.69            | 74.0           | 22.31       | Peak     | 16.00          | 300         | Horizontal | Pass    |
| 5** | 12993.863       | 42.47            | 54.0           | 11.53       | AV       | 16.00          | 300         | Horizontal | Pass    |
| 6   | 17430.637       | 55.50            | 74.0           | 18.50       | Peak     | 230.00         | 300         | Horizontal | Pass    |
| 6** | 17430.637       | 45.22            | 54.0           | 8.78        | AV       | 230.00         | 300         | Horizontal | Pass    |

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

RE Test case\_FCC Part 15C\_FCC 15.247(2.4G)\_1GHz-18GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1544.600        | 42.29            | 74.0           | 31.71       | Peak     | 308.00         | 100         | Vertical | Pass    |
| 1** | 1544.600        | 32.82            | 54.0           | 21.18       | AV       | 308.00         | 100         | Vertical | Pass    |
| 2   | 2460.800        | 93.79            | 74.0           | -19.79      | Peak     | 88.00          | 200         | Vertical | N/A     |
| 2** | 2460.800        | 90.83            | 54.0           | -36.83      | AV       | 88.00          | 200         | Vertical | N/A     |
| 3   | 4924.500        | 49.69            | 74.0           | 24.31       | Peak     | 70.00          | 150         | Vertical | Pass    |
| 3** | 4924.500        | 46.78            | 54.0           | 7.22        | AV       | 70.00          | 150         | Vertical | Pass    |
| 4   | 7928.000        | 53.73            | 74.0           | 20.27       | Peak     | 139.00         | 300         | Vertical | Pass    |
| 4** | 7928.000        | 45.16            | 54.0           | 8.84        | AV       | 139.00         | 300         | Vertical | Pass    |
| 5   | 12493.025       | 53.41            | 74.0           | 20.59       | Peak     | 292.00         | 100         | Vertical | Pass    |
| 5** | 12493.025       | 42.47            | 54.0           | 11.53       | AV       | 292.00         | 100         | Vertical | Pass    |
| 6   | 15894.487       | 54.87            | 74.0           | 19.13       | Peak     | 302.00         | 400         | Vertical | Pass    |
| 6** | 15894.487       | 45.45            | 54.0           | 8.55        | AV       | 302.00         | 400         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1452.800        | 47.81            | 74.0           | 26.19       | Peak     | 264.00         | 400         | Horizontal | Pass    |
| 1** | 1452.800        | 39.93            | 54.0           | 14.07       | AV       | 264.00         | 400         | Horizontal | Pass    |
| 2   | 2413.300        | 108.21           | 74.0           | -34.21      | Peak     | 192.00         | 200         | Horizontal | N/A     |
| 2** | 2413.300        | 100.50           | 54.0           | -46.50      | AV       | 192.00         | 200         | Horizontal | N/A     |
| 3   | 3859.400        | 49.89            | 74.0           | 24.11       | Peak     | 191.00         | 150         | Horizontal | Pass    |
| 3** | 3859.400        | 46.98            | 54.0           | 7.02        | AV       | 191.00         | 150         | Horizontal | Pass    |
| 4   | 4822.800        | 53.23            | 74.0           | 20.77       | Peak     | 181.00         | 150         | Horizontal | Pass    |
| 4** | 4822.800        | 48.30            | 54.0           | 5.70        | AV       | 181.00         | 150         | Horizontal | Pass    |
| 5   | 11338.662       | 51.63            | 74.0           | 22.37       | Peak     | 169.00         | 200         | Horizontal | Pass    |
| 5** | 11338.662       | 42.16            | 54.0           | 11.84       | AV       | 169.00         | 200         | Horizontal | Pass    |
| 6   | 17427.225       | 55.35            | 74.0           | 18.65       | Peak     | 183.00         | 100         | Horizontal | Pass    |
| 6** | 17427.225       | 46.28            | 54.0           | 7.72        | AV       | 183.00         | 100         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1163.000        | 48.23            | 74.0           | 25.77       | Peak     | 61.00          | 400         | Vertical | Pass    |
| 1** | 1163.000        | 32.34            | 54.0           | 21.66       | AV       | 61.00          | 400         | Vertical | Pass    |
| 2   | 2409.800        | 98.96            | 74.0           | -24.96      | Peak     | 148.00         | 200         | Vertical | N/A     |
| 2** | 2409.800        | 92.11            | 54.0           | -38.11      | AV       | 148.00         | 200         | Vertical | N/A     |
| 3   | 3858.600        | 50.52            | 74.0           | 23.48       | Peak     | 214.00         | 150         | Vertical | Pass    |
| 3** | 3858.600        | 39.64            | 54.0           | 14.36       | AV       | 214.00         | 150         | Vertical | Pass    |
| 4   | 4824.000        | 52.88            | 74.0           | 21.12       | Peak     | 112.00         | 150         | Vertical | Pass    |
| 4** | 4824.000        | 48.53            | 54.0           | 5.47        | AV       | 112.00         | 150         | Vertical | Pass    |
| 5   | 11906.187       | 51.65            | 74.0           | 22.35       | Peak     | 118.00         | 100         | Vertical | Pass    |
| 5** | 11906.187       | 42.14            | 54.0           | 11.86       | AV       | 118.00         | 100         | Vertical | Pass    |
| 6   | 17461.088       | 56.02            | 74.0           | 17.98       | Peak     | 161.00         | 300         | Vertical | Pass    |
| 6** | 17461.088       | 45.78            | 54.0           | 8.22        | AV       | 161.00         | 300         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1458.100        | 49.53            | 74.0           | 24.47       | Peak     | 267.00         | 100         | Horizontal | Pass    |
| 1** | 1458.100        | 41.69            | 54.0           | 12.31       | AV       | 267.00         | 100         | Horizontal | Pass    |
| 2   | 2435.200        | 107.77           | 74.0           | -33.77      | Peak     | 187.00         | 150         | Horizontal | N/A     |
| 2** | 2435.200        | 100.00           | 54.0           | -46.00      | AV       | 187.00         | 150         | Horizontal | N/A     |
| 3   | 3409.200        | 50.67            | 74.0           | 23.33       | Peak     | 260.00         | 150         | Horizontal | Pass    |
| 3** | 3409.200        | 41.89            | 54.0           | 12.11       | AV       | 260.00         | 150         | Horizontal | Pass    |
| 4   | 4876.000        | 53.92            | 74.0           | 20.08       | Peak     | 158.00         | 150         | Horizontal | Pass    |
| 4** | 4876.000        | 50.45            | 54.0           | 3.55        | AV       | 158.00         | 150         | Horizontal | Pass    |
| 5   | 12863.925       | 52.04            | 74.0           | 21.96       | Peak     | 321.00         | 400         | Horizontal | Pass    |
| 5** | 12863.925       | 42.48            | 54.0           | 11.52       | AV       | 321.00         | 400         | Horizontal | Pass    |
| 6   | 17324.587       | 55.20            | 74.0           | 18.80       | Peak     | 77.00          | 200         | Horizontal | Pass    |
| 6** | 17324.587       | 45.14            | 54.0           | 8.86        | AV       | 77.00          | 200         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1162.700        | 47.52            | 74.0           | 26.48       | Peak     | 74.00          | 400         | Vertical | Pass    |
| 1** | 1162.700        | 35.18            | 54.0           | 18.82       | AV       | 74.00          | 400         | Vertical | Pass    |
| 2   | 2435.700        | 99.48            | 74.0           | -25.48      | Peak     | 74.00          | 150         | Vertical | N/A     |
| 2** | 2435.700        | 92.26            | 54.0           | -38.26      | AV       | 74.00          | 150         | Vertical | N/A     |
| 3   | 4871.000        | 54.42            | 74.0           | 19.58       | Peak     | 62.00          | 150         | Vertical | Pass    |
| 3** | 4871.000        | 50.17            | 54.0           | 3.83        | AV       | 62.00          | 150         | Vertical | Pass    |
| 4   | 4872.000        | 55.96            | 74.0           | 18.04       | Peak     | 62.00          | 200         | Vertical | Pass    |
| 4** | 4872.000        | 47.10            | 54.0           | 6.90        | AV       | 62.00          | 200         | Vertical | Pass    |
| 5   | 11336.075       | 51.71            | 74.0           | 22.29       | Peak     | 33.00          | 100         | Vertical | Pass    |
| 5** | 11336.075       | 42.51            | 54.0           | 11.49       | AV       | 33.00          | 100         | Vertical | Pass    |
| 6   | 17491.012       | 55.20            | 74.0           | 18.80       | Peak     | 226.00         | 100         | Vertical | Pass    |
| 6** | 17491.012       | 45.28            | 54.0           | 8.72        | AV       | 226.00         | 100         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1480.200        | 50.37            | 74.0           | 23.63       | Peak     | 25.00          | 400         | Horizontal | Pass    |
| 1** | 1480.200        | 42.03            | 54.0           | 11.97       | AV       | 25.00          | 400         | Horizontal | Pass    |
| 2   | 2462.800        | 107.09           | 74.0           | -33.09      | Peak     | 185.00         | 150         | Horizontal | N/A     |
| 2** | 2462.800        | 99.72            | 54.0           | -45.72      | AV       | 185.00         | 150         | Horizontal | N/A     |
| 3   | 4922.400        | 56.40            | 74.0           | 17.60       | Peak     | 158.00         | 100         | Horizontal | Pass    |
| 3** | 4922.400        | 47.18            | 54.0           | 6.82        | AV       | 158.00         | 100         | Horizontal | Pass    |
| 4   | 4925.600        | 53.35            | 74.0           | 20.65       | Peak     | 56.00          | 150         | Horizontal | Pass    |
| 4** | 4925.600        | 49.75            | 54.0           | 4.25        | AV       | 56.00          | 150         | Horizontal | Pass    |
| 5   | 12847.126       | 52.19            | 74.0           | 21.81       | Peak     | 285.00         | 200         | Horizontal | Pass    |
| 5** | 12847.126       | 43.08            | 54.0           | 10.92       | AV       | 285.00         | 200         | Horizontal | Pass    |
| 6   | 16872.563       | 55.64            | 74.0           | 18.36       | Peak     | 109.00         | 300         | Horizontal | Pass    |
| 6** | 16872.563       | 47.32            | 54.0           | 6.68        | AV       | 109.00         | 300         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1332.700        | 46.98            | 74.0           | 27.02       | Peak     | 85.00          | 300         | Vertical | Pass    |
| 1** | 1332.700        | 32.31            | 54.0           | 21.69       | AV       | 85.00          | 300         | Vertical | Pass    |
| 2   | 2465.100        | 97.97            | 74.0           | -23.97      | Peak     | 152.00         | 100         | Vertical | N/A     |
| 2** | 2465.100        | 90.36            | 54.0           | -36.36      | AV       | 152.00         | 100         | Vertical | N/A     |
| 3   | 4921.800        | 54.39            | 74.0           | 19.61       | Peak     | 68.00          | 150         | Vertical | Pass    |
| 3** | 4921.800        | 50.70            | 54.0           | 3.30        | AV       | 68.00          | 150         | Vertical | Pass    |
| 4   | 4922.200        | 56.63            | 74.0           | 17.37       | Peak     | 68.00          | 200         | Vertical | Pass    |
| 4** | 4922.200        | 47.56            | 54.0           | 6.44        | AV       | 68.00          | 200         | Vertical | Pass    |
| 5   | 10923.225       | 52.02            | 74.0           | 21.98       | Peak     | 273.00         | 300         | Vertical | Pass    |
| 5** | 10923.225       | 42.94            | 54.0           | 11.06       | AV       | 273.00         | 300         | Vertical | Pass    |
| 6   | 16086.901       | 54.76            | 74.0           | 19.24       | Peak     | 283.00         | 400         | Vertical | Pass    |
| 6** | 16086.901       | 45.07            | 54.0           | 8.93        | AV       | 283.00         | 400         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1451.600        | 47.06            | 74.0           | 26.94       | Peak     | 14.00          | 100         | Horizontal | Pass    |
| 1** | 1451.600        | 38.22            | 54.0           | 15.78       | AV       | 14.00          | 100         | Horizontal | Pass    |
| 2   | 2414.100        | 107.86           | 74.0           | -33.86      | Peak     | 187.00         | 100         | Horizontal | N/A     |
| 2** | 2414.100        | 100.03           | 54.0           | -46.03      | AV       | 187.00         | 100         | Horizontal | N/A     |
| 3   | 3373.800        | 51.13            | 74.0           | 22.87       | Peak     | 213.00         | 150         | Horizontal | Pass    |
| 3** | 3373.800        | 41.45            | 54.0           | 12.55       | AV       | 213.00         | 150         | Horizontal | Pass    |
| 4   | 3859.200        | 49.19            | 74.0           | 24.81       | Peak     | 191.00         | 150         | Horizontal | Pass    |
| 4** | 3859.200        | 46.44            | 54.0           | 7.56        | AV       | 191.00         | 150         | Horizontal | Pass    |
| 5   | 4819.800        | 52.39            | 74.0           | 21.61       | Peak     | 179.00         | 150         | Horizontal | Pass    |
| 5** | 4819.800        | 48.22            | 54.0           | 5.78        | AV       | 179.00         | 150         | Horizontal | Pass    |
| 6   | 16133.363       | 55.67            | 74.0           | 18.33       | Peak     | 27.00          | 300         | Horizontal | Pass    |
| 6** | 16133.363       | 45.23            | 54.0           | 8.77        | AV       | 27.00          | 300         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1166.600        | 48.37            | 74.0           | 25.63       | Peak     | 54.00          | 200         | Vertical | Pass    |
| 1** | 1166.600        | 33.54            | 54.0           | 20.46       | AV       | 54.00          | 200         | Vertical | Pass    |
| 2   | 2410.700        | 98.99            | 74.0           | -24.99      | Peak     | 146.00         | 200         | Vertical | N/A     |
| 2** | 2410.700        | 92.74            | 54.0           | -38.74      | AV       | 146.00         | 200         | Vertical | N/A     |
| 3   | 4821.600        | 54.73            | 74.0           | 19.27       | Peak     | 158.00         | 100         | Vertical | Pass    |
| 3** | 4821.600        | 46.92            | 54.0           | 7.08        | AV       | 158.00         | 100         | Vertical | Pass    |
| 4   | 4823.800        | 54.19            | 74.0           | 19.81       | Peak     | 237.00         | 150         | Vertical | Pass    |
| 4** | 4823.800        | 49.21            | 54.0           | 4.79        | AV       | 237.00         | 150         | Vertical | Pass    |
| 5   | 10927.825       | 52.32            | 74.0           | 21.68       | Peak     | 360.00         | 100         | Vertical | Pass    |
| 5** | 10927.825       | 42.43            | 54.0           | 11.57       | AV       | 360.00         | 100         | Vertical | Pass    |
| 6   | 15240.863       | 54.76            | 74.0           | 19.24       | Peak     | 283.00         | 100         | Vertical | Pass    |
| 6** | 15240.863       | 45.93            | 54.0           | 8.07        | AV       | 283.00         | 100         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1459.500        | 48.82            | 74.0           | 25.18       | Peak     | 272.00         | 100         | Horizontal | Pass    |
| 1** | 1459.500        | 40.53            | 54.0           | 13.47       | AV       | 272.00         | 100         | Horizontal | Pass    |
| 2   | 2435.300        | 107.28           | 74.0           | -33.28      | Peak     | 188.00         | 150         | Horizontal | N/A     |
| 2** | 2435.300        | 99.58            | 54.0           | -45.58      | AV       | 188.00         | 150         | Horizontal | N/A     |
| 3   | 3409.200        | 50.40            | 74.0           | 23.60       | Peak     | 249.00         | 150         | Horizontal | Pass    |
| 3** | 3409.200        | 42.85            | 54.0           | 11.15       | AV       | 249.00         | 150         | Horizontal | Pass    |
| 4   | 4876.400        | 53.03            | 74.0           | 20.97       | Peak     | 193.00         | 150         | Horizontal | Pass    |
| 4** | 4876.400        | 49.36            | 54.0           | 4.64        | AV       | 193.00         | 150         | Horizontal | Pass    |
| 5   | 11814.762       | 51.46            | 74.0           | 22.54       | Peak     | 32.00          | 200         | Horizontal | Pass    |
| 5** | 11814.762       | 42.22            | 54.0           | 11.78       | AV       | 32.00          | 200         | Horizontal | Pass    |
| 6   | 17424.599       | 55.72            | 74.0           | 18.28       | Peak     | 45.00          | 100         | Horizontal | Pass    |
| 6** | 17424.599       | 45.76            | 54.0           | 8.24        | AV       | 45.00          | 100         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1166.700        | 47.13            | 74.0           | 26.87       | Peak     | 48.00          | 100         | Vertical | Pass    |
| 1** | 1166.700        | 31.91            | 54.0           | 22.09       | AV       | 48.00          | 100         | Vertical | Pass    |
| 2   | 2437.900        | 99.24            | 74.0           | -25.24      | Peak     | 75.00          | 200         | Vertical | N/A     |
| 2** | 2437.900        | 91.32            | 54.0           | -37.32      | AV       | 75.00          | 200         | Vertical | N/A     |
| 3   | 4875.200        | 55.03            | 74.0           | 18.97       | Peak     | 67.00          | 150         | Vertical | Pass    |
| 3** | 4875.200        | 49.68            | 54.0           | 4.32        | AV       | 67.00          | 150         | Vertical | Pass    |
| 4   | 4884.200        | 56.07            | 74.0           | 17.93       | Peak     | 67.00          | 100         | Vertical | Pass    |
| 4** | 4884.200        | 45.42            | 54.0           | 8.58        | AV       | 67.00          | 100         | Vertical | Pass    |
| 5   | 11823.963       | 51.70            | 74.0           | 22.30       | Peak     | 155.00         | 300         | Vertical | Pass    |
| 5** | 11823.963       | 42.43            | 54.0           | 11.57       | AV       | 155.00         | 300         | Vertical | Pass    |
| 6   | 16825.051       | 55.64            | 74.0           | 18.36       | Peak     | 124.00         | 300         | Vertical | Pass    |
| 6** | 16825.051       | 45.76            | 54.0           | 8.24        | AV       | 124.00         | 300         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1480.000        | 49.96            | 74.0           | 24.04       | Peak     | 35.00          | 200         | Horizontal | Pass    |
| 1** | 1480.000        | 41.75            | 54.0           | 12.25       | AV       | 35.00          | 200         | Horizontal | Pass    |
| 2   | 2464.000        | 106.87           | 74.0           | -32.87      | Peak     | 189.00         | 150         | Horizontal | N/A     |
| 2** | 2464.000        | 98.92            | 54.0           | -44.92      | AV       | 189.00         | 150         | Horizontal | N/A     |
| 3   | 3449.200        | 50.05            | 74.0           | 23.95       | Peak     | 247.00         | 150         | Horizontal | Pass    |
| 3** | 3449.200        | 39.88            | 54.0           | 14.12       | AV       | 247.00         | 150         | Horizontal | Pass    |
| 4   | 4923.400        | 53.57            | 74.0           | 20.43       | Peak     | 180.00         | 150         | Horizontal | Pass    |
| 4** | 4923.400        | 49.90            | 54.0           | 4.10        | AV       | 180.00         | 150         | Horizontal | Pass    |
| 5   | 12713.201       | 51.54            | 74.0           | 22.46       | Peak     | 310.00         | 300         | Horizontal | Pass    |
| 5** | 12713.201       | 41.82            | 54.0           | 12.18       | AV       | 310.00         | 300         | Horizontal | Pass    |
| 6   | 17421.976       | 54.88            | 74.0           | 19.12       | Peak     | 178.00         | 300         | Horizontal | Pass    |
| 6** | 17421.976       | 45.80            | 54.0           | 8.20        | AV       | 178.00         | 300         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1332.600        | 46.34            | 74.0           | 27.66       | Peak     | 96.00          | 100         | Vertical | Pass    |
| 1** | 1332.600        | 36.71            | 54.0           | 17.29       | AV       | 96.00          | 100         | Vertical | Pass    |
| 2   | 2459.000        | 97.71            | 74.0           | -23.71      | Peak     | 148.00         | 200         | Vertical | N/A     |
| 2** | 2459.000        | 90.32            | 54.0           | -36.32      | AV       | 148.00         | 200         | Vertical | N/A     |
| 3   | 4923.000        | 56.78            | 74.0           | 17.22       | Peak     | 67.00          | 100         | Vertical | Pass    |
| 3** | 4923.000        | 47.43            | 54.0           | 6.57        | AV       | 67.00          | 100         | Vertical | Pass    |
| 4   | 4924.200        | 54.06            | 74.0           | 19.94       | Peak     | 67.00          | 150         | Vertical | Pass    |
| 4** | 4924.200        | 50.89            | 54.0           | 3.11        | AV       | 67.00          | 150         | Vertical | Pass    |
| 5   | 10919.200       | 52.25            | 74.0           | 21.75       | Peak     | 222.00         | 200         | Vertical | Pass    |
| 5** | 10919.200       | 43.53            | 54.0           | 10.47       | AV       | 222.00         | 200         | Vertical | Pass    |
| 6   | 17457.676       | 54.99            | 74.0           | 19.01       | Peak     | 360.00         | 400         | Vertical | Pass    |
| 6** | 17457.676       | 47.02            | 54.0           | 6.98        | AV       | 360.00         | 400         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1447.100        | 45.36            | 74.0           | 28.64       | Peak     | 21.00          | 300         | Horizontal | Pass    |
| 1** | 1447.100        | 37.57            | 54.0           | 16.43       | AV       | 21.00          | 300         | Horizontal | Pass    |
| 2   | 2415.700        | 103.89           | 74.0           | -29.89      | Peak     | 194.00         | 150         | Horizontal | N/A     |
| 2** | 2415.700        | 95.90            | 54.0           | -41.90      | AV       | 194.00         | 150         | Horizontal | N/A     |
| 3   | 4842.800        | 53.11            | 74.0           | 20.89       | Peak     | 182.00         | 150         | Horizontal | Pass    |
| 3** | 4842.800        | 44.59            | 54.0           | 9.41        | AV       | 182.00         | 150         | Horizontal | Pass    |
| 4   | 6974.800        | 54.91            | 74.0           | 19.09       | Peak     | 171.00         | 400         | Horizontal | Pass    |
| 4** | 6974.800        | 45.85            | 54.0           | 8.15        | AV       | 171.00         | 400         | Horizontal | Pass    |
| 5   | 12696.237       | 52.53            | 74.0           | 21.47       | Peak     | 119.00         | 200         | Horizontal | Pass    |
| 5** | 12696.237       | 41.49            | 54.0           | 12.51       | AV       | 119.00         | 200         | Horizontal | Pass    |
| 6   | 17420.925       | 55.23            | 74.0           | 18.77       | Peak     | 23.00          | 300         | Horizontal | Pass    |
| 6** | 17420.925       | 46.45            | 54.0           | 7.55        | AV       | 23.00          | 300         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1164.100        | 47.82            | 74.0           | 26.18       | Peak     | 40.00          | 100         | Vertical | Pass    |
| 1** | 1164.100        | 33.55            | 54.0           | 20.45       | AV       | 40.00          | 100         | Vertical | Pass    |
| 2   | 2413.900        | 95.47            | 74.0           | -21.47      | Peak     | 73.00          | 200         | Vertical | N/A     |
| 2** | 2413.900        | 87.70            | 54.0           | -33.70      | AV       | 73.00          | 200         | Vertical | N/A     |
| 3   | 4824.400        | 53.49            | 74.0           | 20.51       | Peak     | 122.00         | 200         | Vertical | Pass    |
| 3** | 4824.400        | 44.64            | 54.0           | 9.36        | AV       | 122.00         | 200         | Vertical | Pass    |
| 4   | 6806.800        | 54.99            | 74.0           | 19.01       | Peak     | 8.00           | 200         | Vertical | Pass    |
| 4** | 6806.800        | 47.28            | 54.0           | 6.72        | AV       | 8.00           | 200         | Vertical | Pass    |
| 5   | 12404.138       | 51.83            | 74.0           | 22.17       | Peak     | 15.00          | 400         | Vertical | Pass    |
| 5** | 12404.138       | 43.22            | 54.0           | 10.78       | AV       | 15.00          | 400         | Vertical | Pass    |
| 6   | 17448.225       | 55.08            | 74.0           | 18.92       | Peak     | 360.00         | 200         | Vertical | Pass    |
| 6** | 17448.225       | 46.94            | 54.0           | 7.06        | AV       | 360.00         | 200         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1457.600        | 47.73            | 74.0           | 26.27       | Peak     | 275.00         | 100         | Horizontal | Pass    |
| 1** | 1457.600        | 38.85            | 54.0           | 15.15       | AV       | 275.00         | 100         | Horizontal | Pass    |
| 2   | 2434.500        | 105.07           | 74.0           | -31.07      | Peak     | 187.00         | 200         | Horizontal | N/A     |
| 2** | 2434.500        | 97.56            | 54.0           | -43.56      | AV       | 187.00         | 200         | Horizontal | N/A     |
| 3   | 4868.000        | 53.87            | 74.0           | 20.13       | Peak     | 159.00         | 150         | Horizontal | Pass    |
| 3** | 4868.000        | 45.80            | 54.0           | 8.20        | AV       | 159.00         | 150         | Horizontal | Pass    |
| 4   | 4875.000        | 51.96            | 74.0           | 22.04       | Peak     | 147.00         | 150         | Horizontal | Pass    |
| 4** | 4875.000        | 47.30            | 54.0           | 6.70        | AV       | 147.00         | 150         | Horizontal | Pass    |
| 5   | 10921.787       | 51.61            | 74.0           | 22.39       | Peak     | 33.00          | 400         | Horizontal | Pass    |
| 5** | 10921.787       | 43.37            | 54.0           | 10.63       | AV       | 33.00          | 400         | Horizontal | Pass    |
| 6   | 15867.975       | 55.22            | 74.0           | 18.78       | Peak     | 244.00         | 300         | Horizontal | Pass    |
| 6** | 15867.975       | 44.54            | 54.0           | 9.46        | AV       | 244.00         | 300         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1165.100        | 49.33            | 74.0           | 24.67       | Peak     | 40.00          | 200         | Vertical | Pass    |
| 1** | 1165.100        | 33.41            | 54.0           | 20.59       | AV       | 40.00          | 200         | Vertical | Pass    |
| 2   | 2435.400        | 95.33            | 74.0           | -21.33      | Peak     | 66.00          | 100         | Vertical | N/A     |
| 2** | 2435.400        | 88.82            | 54.0           | -34.82      | AV       | 66.00          | 100         | Vertical | N/A     |
| 3   | 4873.000        | 52.03            | 74.0           | 21.97       | Peak     | 258.00         | 150         | Vertical | Pass    |
| 3** | 4873.000        | 47.71            | 54.0           | 6.29        | AV       | 258.00         | 150         | Vertical | Pass    |
| 4   | 6821.000        | 54.74            | 74.0           | 19.26       | Peak     | 190.00         | 100         | Vertical | Pass    |
| 4** | 6821.000        | 45.03            | 54.0           | 8.97        | AV       | 190.00         | 100         | Vertical | Pass    |
| 5   | 12720.963       | 52.44            | 74.0           | 21.56       | Peak     | 1.00           | 300         | Vertical | Pass    |
| 5** | 12720.963       | 41.67            | 54.0           | 12.33       | AV       | 1.00           | 300         | Vertical | Pass    |
| 6   | 16421.324       | 55.16            | 74.0           | 18.84       | Peak     | 126.00         | 100         | Vertical | Pass    |
| 6** | 16421.324       | 45.21            | 54.0           | 8.79        | AV       | 126.00         | 100         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1478.900        | 47.22            | 74.0           | 26.78       | Peak     | 40.00          | 300         | Horizontal | Pass    |
| 1** | 1478.900        | 38.64            | 54.0           | 15.36       | AV       | 40.00          | 300         | Horizontal | Pass    |
| 2   | 2442.400        | 103.63           | 74.0           | -29.63      | Peak     | 186.00         | 100         | Horizontal | N/A     |
| 2** | 2442.400        | 95.54            | 54.0           | -41.54      | AV       | 186.00         | 100         | Horizontal | N/A     |
| 3   | 4902.400        | 51.21            | 74.0           | 22.79       | Peak     | 78.00          | 150         | Horizontal | Pass    |
| 3** | 4902.400        | 47.71            | 54.0           | 6.29        | AV       | 78.00          | 150         | Horizontal | Pass    |
| 4   | 4905.200        | 53.37            | 74.0           | 20.63       | Peak     | 159.00         | 200         | Horizontal | Pass    |
| 4** | 4905.200        | 45.03            | 54.0           | 8.97        | AV       | 159.00         | 200         | Horizontal | Pass    |
| 5   | 11919.126       | 52.36            | 74.0           | 21.64       | Peak     | 221.00         | 200         | Horizontal | Pass    |
| 5** | 11919.126       | 42.71            | 54.0           | 11.29       | AV       | 221.00         | 200         | Horizontal | Pass    |
| 6   | 16872.824       | 54.59            | 74.0           | 19.41       | Peak     | 106.00         | 300         | Horizontal | Pass    |
| 6** | 16872.824       | 45.95            | 54.0           | 8.05        | AV       | 106.00         | 300         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1163.900        | 47.28            | 74.0           | 26.72       | Peak     | 29.00          | 200         | Vertical | Pass    |
| 1** | 1163.900        | 33.69            | 54.0           | 20.31       | AV       | 29.00          | 200         | Vertical | Pass    |
| 2   | 2450.400        | 94.82            | 74.0           | -20.82      | Peak     | 151.00         | 200         | Vertical | N/A     |
| 2** | 2450.400        | 86.62            | 54.0           | -32.62      | AV       | 151.00         | 200         | Vertical | N/A     |
| 3   | 4907.200        | 53.01            | 74.0           | 20.99       | Peak     | 237.00         | 200         | Vertical | Pass    |
| 3** | 4907.200        | 44.09            | 54.0           | 9.91        | AV       | 237.00         | 200         | Vertical | Pass    |
| 4   | 6806.800        | 54.65            | 74.0           | 19.35       | Peak     | 1.00           | 200         | Vertical | Pass    |
| 4** | 6806.800        | 47.08            | 54.0           | 6.92        | AV       | 1.00           | 200         | Vertical | Pass    |
| 5   | 11330.037       | 52.10            | 74.0           | 21.90       | Peak     | 258.00         | 400         | Vertical | Pass    |
| 5** | 11330.037       | 42.19            | 54.0           | 11.81       | AV       | 258.00         | 400         | Vertical | Pass    |
| 6   | 17446.388       | 55.11            | 74.0           | 18.89       | Peak     | 224.00         | 100         | Vertical | Pass    |
| 6** | 17446.388       | 45.62            | 54.0           | 8.38        | AV       | 224.00         | 100         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1452.200        | 47.05            | 74.0           | 26.95       | Peak     | 82.00          | 300         | Horizontal | Pass    |
| 1** | 1452.200        | 38.12            | 54.0           | 15.88       | AV       | 82.00          | 300         | Horizontal | Pass    |
| 2   | 2411.600        | 108.50           | 74.0           | -34.50      | Peak     | 187.00         | 100         | Horizontal | N/A     |
| 2** | 2411.600        | 99.56            | 54.0           | -45.56      | AV       | 187.00         | 100         | Horizontal | N/A     |
| 3   | 3859.600        | 51.42            | 74.0           | 22.58       | Peak     | 246.00         | 150         | Horizontal | Pass    |
| 3** | 3859.600        | 45.92            | 54.0           | 8.08        | AV       | 246.00         | 150         | Horizontal | Pass    |
| 4   | 4825.800        | 54.40            | 74.0           | 19.60       | Peak     | 168.00         | 150         | Horizontal | Pass    |
| 4** | 4825.800        | 48.60            | 54.0           | 5.40        | AV       | 168.00         | 150         | Horizontal | Pass    |
| 5   | 11838.050       | 52.16            | 74.0           | 21.84       | Peak     | 32.00          | 400         | Horizontal | Pass    |
| 5** | 11838.050       | 42.10            | 54.0           | 11.90       | AV       | 32.00          | 400         | Horizontal | Pass    |
| 6   | 17461.613       | 54.68            | 74.0           | 19.32       | Peak     | 26.00          | 300         | Horizontal | Pass    |
| 6** | 17461.613       | 45.64            | 54.0           | 8.36        | AV       | 26.00          | 300         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1164.000        | 47.26            | 74.0           | 26.74       | Peak     | 28.00          | 200         | Vertical | Pass    |
| 1** | 1164.000        | 37.40            | 54.0           | 16.60       | AV       | 28.00          | 200         | Vertical | Pass    |
| 2   | 2414.300        | 100.68           | 74.0           | -26.68      | Peak     | 153.00         | 200         | Vertical | N/A     |
| 2** | 2414.300        | 90.62            | 54.0           | -36.62      | AV       | 153.00         | 200         | Vertical | N/A     |
| 3   | 4824.000        | 54.86            | 74.0           | 19.14       | Peak     | 215.00         | 150         | Vertical | Pass    |
| 3** | 4824.000        | 45.88            | 54.0           | 8.12        | AV       | 215.00         | 150         | Vertical | Pass    |
| 4   | 4828.200        | 53.20            | 74.0           | 20.80       | Peak     | 58.00          | 150         | Vertical | Pass    |
| 4** | 4828.200        | 47.28            | 54.0           | 6.72        | AV       | 58.00          | 150         | Vertical | Pass    |
| 5   | 11924.013       | 51.87            | 74.0           | 22.13       | Peak     | 187.00         | 300         | Vertical | Pass    |
| 5** | 11924.013       | 43.91            | 54.0           | 10.09       | AV       | 187.00         | 300         | Vertical | Pass    |
| 6   | 17316.188       | 55.16            | 74.0           | 18.84       | Peak     | 322.00         | 200         | Vertical | Pass    |
| 6** | 17316.188       | 45.54            | 54.0           | 8.46        | AV       | 322.00         | 200         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1458.900        | 48.59            | 74.0           | 25.41       | Peak     | 282.00         | 200         | Horizontal | Pass    |
| 1** | 1458.900        | 40.58            | 54.0           | 13.42       | AV       | 282.00         | 200         | Horizontal | Pass    |
| 2   | 2437.700        | 108.67           | 74.0           | -34.67      | Peak     | 196.00         | 200         | Horizontal | N/A     |
| 2** | 2437.700        | 100.12           | 54.0           | -46.12      | AV       | 196.00         | 200         | Horizontal | N/A     |
| 3   | 3408.200        | 51.04            | 74.0           | 22.96       | Peak     | 203.00         | 150         | Horizontal | Pass    |
| 3** | 3408.200        | 42.08            | 54.0           | 11.92       | AV       | 203.00         | 150         | Horizontal | Pass    |
| 4   | 4875.400        | 52.71            | 74.0           | 21.29       | Peak     | 168.00         | 150         | Horizontal | Pass    |
| 4** | 4875.400        | 50.84            | 54.0           | 3.16        | AV       | 168.00         | 150         | Horizontal | Pass    |
| 5   | 11824.825       | 52.02            | 74.0           | 21.98       | Peak     | 34.00          | 400         | Horizontal | Pass    |
| 5** | 11824.825       | 42.36            | 54.0           | 11.64       | AV       | 34.00          | 400         | Horizontal | Pass    |
| 6   | 16857.600       | 54.59            | 74.0           | 19.41       | Peak     | 263.00         | 300         | Horizontal | Pass    |
| 6** | 16857.600       | 45.68            | 54.0           | 8.32        | AV       | 263.00         | 300         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1162.900        | 46.18            | 74.0           | 27.82       | Peak     | 28.00          | 200         | Vertical | Pass    |
| 1** | 1162.900        | 36.88            | 54.0           | 17.12       | AV       | 28.00          | 200         | Vertical | Pass    |
| 2   | 2431.900        | 99.65            | 74.0           | -25.65      | Peak     | 148.00         | 100         | Vertical | N/A     |
| 2** | 2431.900        | 89.32            | 54.0           | -35.32      | AV       | 148.00         | 100         | Vertical | N/A     |
| 3   | 4873.600        | 55.35            | 74.0           | 18.65       | Peak     | 78.00          | 150         | Vertical | Pass    |
| 3** | 4873.600        | 48.70            | 54.0           | 5.30        | AV       | 78.00          | 150         | Vertical | Pass    |
| 4   | 4873.800        | 55.39            | 74.0           | 18.61       | Peak     | 78.00          | 200         | Vertical | Pass    |
| 4** | 4873.800        | 47.72            | 54.0           | 6.28        | AV       | 78.00          | 200         | Vertical | Pass    |
| 5   | 11905.613       | 51.86            | 74.0           | 22.14       | Peak     | 360.00         | 200         | Vertical | Pass    |
| 5** | 11905.613       | 41.90            | 54.0           | 12.10       | AV       | 360.00         | 200         | Vertical | Pass    |
| 6   | 17477.626       | 55.11            | 74.0           | 18.89       | Peak     | 281.00         | 300         | Vertical | Pass    |
| 6** | 17477.626       | 46.19            | 54.0           | 7.81        | AV       | 281.00         | 300         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1480.900        | 49.67            | 74.0           | 24.33       | Peak     | 56.00          | 200         | Horizontal | Pass    |
| 1** | 1480.900        | 41.35            | 54.0           | 12.65       | AV       | 56.00          | 200         | Horizontal | Pass    |
| 2   | 2460.900        | 106.96           | 74.0           | -32.96      | Peak     | 190.00         | 150         | Horizontal | N/A     |
| 2** | 2460.900        | 98.70            | 54.0           | -44.70      | AV       | 190.00         | 150         | Horizontal | N/A     |
| 3   | 4920.600        | 56.95            | 74.0           | 17.05       | Peak     | 77.00          | 150         | Horizontal | Pass    |
| 3** | 4920.600        | 47.01            | 54.0           | 6.99        | AV       | 77.00          | 150         | Horizontal | Pass    |
| 4   | 4923.200        | 53.89            | 74.0           | 20.11       | Peak     | 77.00          | 150         | Horizontal | Pass    |
| 4** | 4923.200        | 48.46            | 54.0           | 5.54        | AV       | 77.00          | 150         | Horizontal | Pass    |
| 5   | 10926.387       | 53.10            | 74.0           | 20.90       | Peak     | 16.00          | 400         | Horizontal | Pass    |
| 5** | 10926.387       | 42.07            | 54.0           | 11.93       | AV       | 16.00          | 400         | Horizontal | Pass    |
| 6   | 17474.214       | 55.28            | 74.0           | 18.72       | Peak     | 23.00          | 200         | Horizontal | Pass    |
| 6** | 17474.214       | 46.66            | 54.0           | 7.34        | AV       | 23.00          | 200         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1163.900        | 47.26            | 74.0           | 26.74       | Peak     | 36.00          | 400         | Vertical | Pass    |
| 1** | 1163.900        | 35.06            | 54.0           | 18.94       | AV       | 36.00          | 400         | Vertical | Pass    |
| 2   | 2463.900        | 99.42            | 74.0           | -25.42      | Peak     | 151.00         | 150         | Vertical | N/A     |
| 2** | 2463.900        | 90.85            | 54.0           | -36.85      | AV       | 151.00         | 150         | Vertical | N/A     |
| 3   | 4922.800        | 53.47            | 74.0           | 20.53       | Peak     | 65.00          | 150         | Vertical | Pass    |
| 3** | 4922.800        | 48.97            | 54.0           | 5.03        | AV       | 65.00          | 150         | Vertical | Pass    |
| 4   | 4925.000        | 55.95            | 74.0           | 18.05       | Peak     | 65.00          | 100         | Vertical | Pass    |
| 4** | 4925.000        | 46.57            | 54.0           | 7.43        | AV       | 65.00          | 100         | Vertical | Pass    |
| 5   | 12857.362       | 52.17            | 74.0           | 21.83       | Peak     | 85.00          | 300         | Vertical | Pass    |
| 5** | 12857.362       | 43.54            | 54.0           | 10.46       | AV       | 85.00          | 300         | Vertical | Pass    |
| 6   | 17423.286       | 55.96            | 74.0           | 18.04       | Peak     | 323.00         | 100         | Vertical | Pass    |
| 6** | 17423.286       | 47.17            | 54.0           | 6.83        | AV       | 323.00         | 100         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1452.000        | 46.34            | 74.0           | 27.66       | Peak     | 29.00          | 100         | Horizontal | Pass    |
| 1** | 1452.000        | 36.65            | 54.0           | 17.35       | AV       | 29.00          | 100         | Horizontal | Pass    |
| 2   | 2424.500        | 105.50           | 74.0           | -31.50      | Peak     | 201.00         | 100         | Horizontal | N/A     |
| 2** | 2424.500        | 96.14            | 54.0           | -42.14      | AV       | 201.00         | 100         | Horizontal | N/A     |
| 3   | 4839.600        | 52.82            | 74.0           | 21.18       | Peak     | 78.00          | 200         | Horizontal | Pass    |
| 3** | 4839.600        | 43.54            | 54.0           | 10.46       | AV       | 78.00          | 200         | Horizontal | Pass    |
| 4   | 6805.200        | 54.64            | 74.0           | 19.36       | Peak     | 237.00         | 100         | Horizontal | Pass    |
| 4** | 6805.200        | 45.58            | 54.0           | 8.42        | AV       | 237.00         | 100         | Horizontal | Pass    |
| 5   | 10924.662       | 52.35            | 74.0           | 21.65       | Peak     | 190.00         | 400         | Horizontal | Pass    |
| 5** | 10924.662       | 43.24            | 54.0           | 10.76       | AV       | 190.00         | 400         | Horizontal | Pass    |
| 6   | 17445.599       | 55.18            | 74.0           | 18.82       | Peak     | 360.00         | 200         | Horizontal | Pass    |
| 6** | 17445.599       | 46.17            | 54.0           | 7.83        | AV       | 360.00         | 200         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1330.200        | 46.03            | 74.0           | 27.97       | Peak     | 75.00          | 400         | Vertical | Pass    |
| 1** | 1330.200        | 34.71            | 54.0           | 19.29       | AV       | 75.00          | 400         | Vertical | Pass    |
| 2   | 2409.700        | 96.36            | 74.0           | -22.36      | Peak     | 147.00         | 200         | Vertical | N/A     |
| 2** | 2409.700        | 87.42            | 54.0           | -33.42      | AV       | 147.00         | 200         | Vertical | N/A     |
| 3   | 4847.800        | 53.08            | 74.0           | 20.92       | Peak     | 215.00         | 100         | Vertical | Pass    |
| 3** | 4847.800        | 43.46            | 54.0           | 10.54       | AV       | 215.00         | 100         | Vertical | Pass    |
| 4   | 6986.200        | 54.85            | 74.0           | 19.15       | Peak     | 114.00         | 300         | Vertical | Pass    |
| 4** | 6986.200        | 45.62            | 54.0           | 8.38        | AV       | 114.00         | 300         | Vertical | Pass    |
| 5   | 11838.050       | 52.61            | 74.0           | 21.39       | Peak     | 50.00          | 200         | Vertical | Pass    |
| 5** | 11838.050       | 42.13            | 54.0           | 11.87       | AV       | 50.00          | 200         | Vertical | Pass    |
| 6   | 17422.500       | 55.23            | 74.0           | 18.77       | Peak     | 36.00          | 200         | Vertical | Pass    |
| 6** | 17422.500       | 46.10            | 54.0           | 7.90        | AV       | 36.00          | 200         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1458.800        | 46.48            | 74.0           | 27.52       | Peak     | 274.00         | 400         | Horizontal | Pass    |
| 1** | 1458.800        | 38.41            | 54.0           | 15.59       | AV       | 274.00         | 400         | Horizontal | Pass    |
| 2   | 2433.400        | 105.75           | 74.0           | -31.75      | Peak     | 162.00         | 200         | Horizontal | N/A     |
| 2** | 2433.400        | 97.26            | 54.0           | -43.26      | AV       | 162.00         | 200         | Horizontal | N/A     |
| 3   | 4873.200        | 54.21            | 74.0           | 19.79       | Peak     | 181.00         | 100         | Horizontal | Pass    |
| 3** | 4873.200        | 45.06            | 54.0           | 8.94        | AV       | 181.00         | 100         | Horizontal | Pass    |
| 4   | 6807.800        | 54.77            | 74.0           | 19.23       | Peak     | 148.00         | 100         | Horizontal | Pass    |
| 4** | 6807.800        | 45.51            | 54.0           | 8.49        | AV       | 148.00         | 100         | Horizontal | Pass    |
| 5   | 11890.375       | 51.67            | 74.0           | 22.33       | Peak     | 255.00         | 300         | Horizontal | Pass    |
| 5** | 11890.375       | 41.76            | 54.0           | 12.24       | AV       | 255.00         | 300         | Horizontal | Pass    |
| 6   | 17336.138       | 54.77            | 74.0           | 19.23       | Peak     | 262.00         | 400         | Horizontal | Pass    |
| 6** | 17336.138       | 44.75            | 54.0           | 9.25        | AV       | 262.00         | 400         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1162.800        | 49.00            | 74.0           | 25.00       | Peak     | 0.00           | 100         | Vertical | Pass    |
| 1** | 1162.800        | 34.60            | 54.0           | 19.40       | AV       | 0.00           | 100         | Vertical | Pass    |
| 2   | 2432.700        | 96.64            | 74.0           | -22.64      | Peak     | 149.00         | 150         | Vertical | N/A     |
| 2** | 2432.700        | 87.39            | 54.0           | -33.39      | AV       | 149.00         | 150         | Vertical | N/A     |
| 3   | 4871.200        | 53.64            | 74.0           | 20.36       | Peak     | 226.00         | 150         | Vertical | Pass    |
| 3** | 4871.200        | 44.77            | 54.0           | 9.23        | AV       | 226.00         | 150         | Vertical | Pass    |
| 4   | 6986.000        | 55.57            | 74.0           | 18.43       | Peak     | 164.00         | 100         | Vertical | Pass    |
| 4** | 6986.000        | 44.90            | 54.0           | 9.10        | AV       | 164.00         | 100         | Vertical | Pass    |
| 5   | 12810.637       | 52.02            | 74.0           | 21.98       | Peak     | 322.00         | 100         | Vertical | Pass    |
| 5** | 12810.637       | 41.83            | 54.0           | 12.17       | AV       | 322.00         | 100         | Vertical | Pass    |
| 6   | 17423.813       | 55.32            | 74.0           | 18.68       | Peak     | 243.00         | 100         | Vertical | Pass    |
| 6** | 17423.813       | 45.62            | 54.0           | 8.38        | AV       | 243.00         | 100         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1486.000        | 48.23            | 74.0           | 25.77       | Peak     | 22.00          | 100         | Horizontal | Pass    |
| 1** | 1486.000        | 38.88            | 54.0           | 15.12       | AV       | 22.00          | 100         | Horizontal | Pass    |
| 2   | 2439.000        | 104.86           | 74.0           | -30.86      | Peak     | 197.00         | 150         | Horizontal | N/A     |
| 2** | 2439.000        | 94.54            | 54.0           | -40.54      | AV       | 197.00         | 150         | Horizontal | N/A     |
| 3   | 4914.600        | 53.74            | 74.0           | 20.26       | Peak     | 180.00         | 150         | Horizontal | Pass    |
| 3** | 4914.600        | 44.82            | 54.0           | 9.18        | AV       | 180.00         | 150         | Horizontal | Pass    |
| 4   | 6972.800        | 54.88            | 74.0           | 19.12       | Peak     | 32.00          | 200         | Horizontal | Pass    |
| 4** | 6972.800        | 45.53            | 54.0           | 8.47        | AV       | 32.00          | 200         | Horizontal | Pass    |
| 5   | 11777.963       | 51.71            | 74.0           | 22.29       | Peak     | 171.00         | 200         | Horizontal | Pass    |
| 5** | 11777.963       | 42.17            | 54.0           | 11.83       | AV       | 171.00         | 200         | Horizontal | Pass    |
| 6   | 16872.301       | 55.67            | 74.0           | 18.33       | Peak     | 164.00         | 100         | Horizontal | Pass    |
| 6** | 16872.301       | 46.32            | 54.0           | 7.68        | AV       | 164.00         | 100         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1162.400        | 48.50            | 74.0           | 25.50       | Peak     | 42.00          | 100         | Vertical | Pass    |
| 1** | 1162.400        | 40.63            | 54.0           | 13.37       | AV       | 42.00          | 100         | Vertical | Pass    |
| 2   | 2464.100        | 96.55            | 74.0           | -22.55      | Peak     | 148.00         | 200         | Vertical | N/A     |
| 2** | 2464.100        | 85.71            | 54.0           | -31.71      | AV       | 148.00         | 200         | Vertical | N/A     |
| 3   | 4890.800        | 53.26            | 74.0           | 20.74       | Peak     | 182.00         | 150         | Vertical | Pass    |
| 3** | 4890.800        | 44.47            | 54.0           | 9.53        | AV       | 182.00         | 150         | Vertical | Pass    |
| 4   | 6805.000        | 55.17            | 74.0           | 18.83       | Peak     | 170.00         | 200         | Vertical | Pass    |
| 4** | 6805.000        | 46.37            | 54.0           | 7.63        | AV       | 170.00         | 200         | Vertical | Pass    |
| 5   | 10924.088       | 52.09            | 74.0           | 21.91       | Peak     | 190.00         | 200         | Vertical | Pass    |
| 5** | 10924.088       | 42.90            | 54.0           | 11.10       | AV       | 190.00         | 200         | Vertical | Pass    |
| 6   | 17476.051       | 55.10            | 74.0           | 18.90       | Peak     | 105.00         | 200         | Vertical | Pass    |
| 6** | 17476.051       | 46.24            | 54.0           | 7.76        | AV       | 105.00         | 200         | Vertical | Pass    |

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

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

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

Note <sup>3</sup>: According the ANSI C63.10-2020, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note <sup>4</sup>: Both horizontal and vertical directions were pre tested, only the worst configuration has been reported in this report.

## Test Data and Plots

## 802.11b LOW CHANNEL

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 2384.950        | 58.50            | 74.0           | 15.50       | Peak     | 313.00         | 100         | Horizontal | Pass    |
| 1** | 2384.950        | 47.75            | 54.0           | 6.25        | AV       | 313.00         | 100         | Horizontal | Pass    |
| 2   | 2389.950        | 56.46            | 74.0           | 17.54       | Peak     | 313.00         | 200         | Horizontal | Pass    |
| 2** | 2389.950        | 47.57            | 54.0           | 6.43        | AV       | 313.00         | 200         | Horizontal | Pass    |

## 802.11b HIGH CHANNEL

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 2483.560        | 56.79            | 74.0           | 17.21       | Peak     | 288.00         | 100         | Horizontal | Pass    |
| 1** | 2483.560        | 46.51            | 54.0           | 7.49        | AV       | 288.00         | 100         | Horizontal | Pass    |
| 2   | 2485.990        | 57.28            | 74.0           | 16.72       | Peak     | 282.00         | 150         | Horizontal | Pass    |
| 2** | 2485.990        | 46.06            | 54.0           | 7.94        | AV       | 282.00         | 150         | Horizontal | Pass    |

## 802.11g LOW CHANNEL

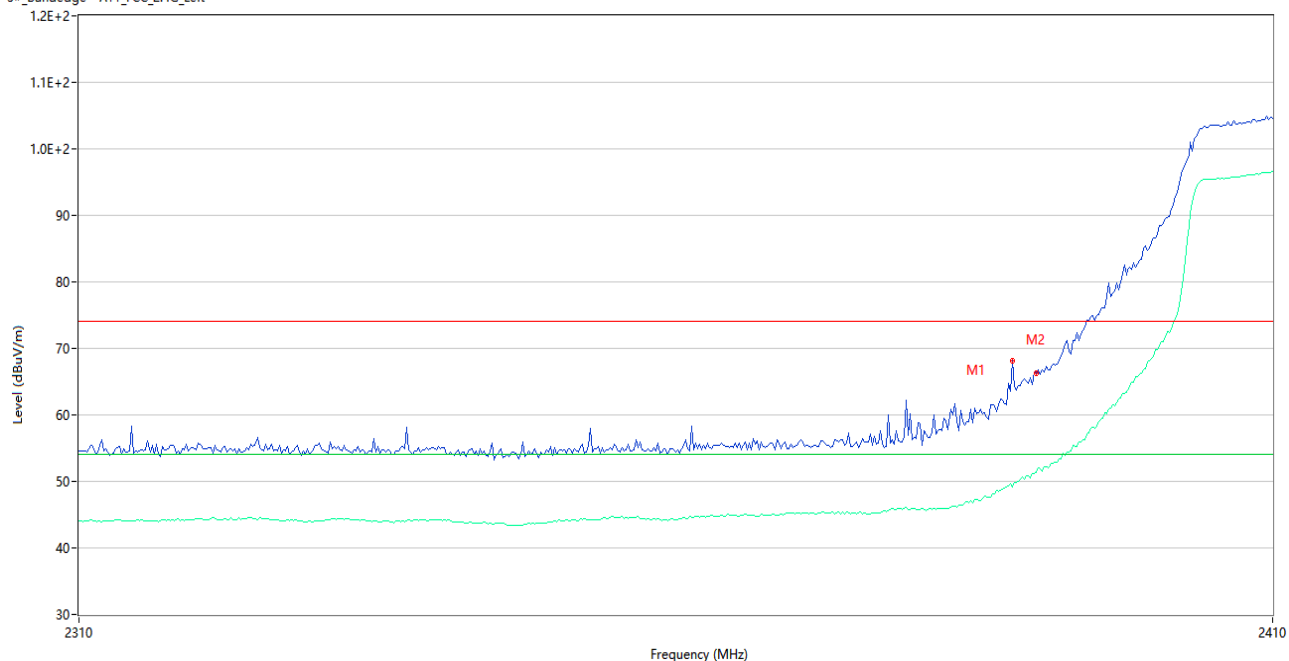
| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 2362.200        | 65.94            | 74.0           | 8.06        | Peak     | 326.00         | 150         | Horizontal | Pass    |
| 1** | 2362.200        | 45.82            | 54.0           | 8.18        | AV       | 326.00         | 150         | Horizontal | Pass    |
| 2   | 2389.950        | 62.89            | 74.0           | 11.11       | Peak     | 305.00         | 200         | Horizontal | Pass    |
| 2** | 2389.950        | 49.31            | 54.0           | 4.69        | AV       | 305.00         | 200         | Horizontal | Pass    |
| 3   | 2389.150        | 60.96            | 74.0           | 13.04       | Peak     | 305.00         | 150         | Horizontal | Pass    |
| 3** | 2389.150        | 50.09            | 54.0           | 3.91        | AV       | 305.00         | 150         | Horizontal | Pass    |

## 802.11g HIGH CHANNEL

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 2483.515        | 62.36            | 74.0           | 11.64       | Peak     | 290.00         | 100         | Horizontal | Pass    |
| 1** | 2483.515        | 48.52            | 54.0           | 5.48        | AV       | 290.00         | 100         | Horizontal | Pass    |
| 2   | 2483.950        | 64.06            | 74.0           | 9.94        | Peak     | 304.00         | 200         | Horizontal | Pass    |
| 2** | 2483.950        | 48.63            | 54.0           | 5.37        | AV       | 304.00         | 200         | Horizontal | Pass    |

## 802.11n20 LOW CHANNEL

3#\_Bandedge - ATT\_FCC\_2.4G\_Left



| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 2387.833        | 68.17            | 74.0           | 5.83        | Peak     | 306.00         | 200         | Horizontal | Pass    |
| 1** | 2387.833        | 49.23            | 54.0           | 4.77        | AV       | 306.00         | 200         | Horizontal | Pass    |
| 2   | 2389.833        | 66.35            | 74.0           | 7.65        | Peak     | 309.00         | 150         | Horizontal | Pass    |
| 2** | 2389.833        | 50.95            | 54.0           | 3.05        | AV       | 309.00         | 150         | Horizontal | Pass    |

## 802.11n20 HIGH CHANNEL

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 2483.590        | 64.08            | 74.0           | 9.92        | Peak     | 289.00         | 150         | Horizontal | Pass    |
| 1** | 2483.590        | 49.33            | 54.0           | 4.67        | AV       | 289.00         | 150         | Horizontal | Pass    |
| 2   | 2483.815        | 65.48            | 74.0           | 8.52        | Peak     | 301.00         | 100         | Horizontal | Pass    |
| 2** | 2483.815        | 49.82            | 54.0           | 4.18        | AV       | 301.00         | 100         | Horizontal | Pass    |
| 3   | 2483.890        | 62.36            | 74.0           | 11.64       | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 3** | 2483.890        | 50.51            | 54.0           | 3.49        | AV       | 360.00         | 150         | Horizontal | Pass    |

## 802.11n40 LOW CHANNEL

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 2389.550        | 62.61            | 74.0           | 11.39       | Peak     | 309.00         | 200         | Horizontal | Pass    |
| 1** | 2389.550        | 48.97            | 54.0           | 5.03        | AV       | 309.00         | 200         | Horizontal | Pass    |
| 2   | 2389.950        | 61.44            | 74.0           | 12.56       | Peak     | 306.00         | 200         | Horizontal | Pass    |
| 2** | 2389.950        | 49.31            | 54.0           | 4.69        | AV       | 306.00         | 200         | Horizontal | Pass    |
| 3   | 2388.050        | 58.79            | 74.0           | 15.21       | Peak     | 315.00         | 150         | Horizontal | Pass    |
| 3** | 2388.050        | 49.72            | 54.0           | 4.28        | AV       | 315.00         | 150         | Horizontal | Pass    |

## 802.11n40 HIGH CHANNEL

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 2483.590        | 63.57            | 74.0           | 10.43       | Peak     | 291.00         | 150         | Horizontal | Pass    |
| 1** | 2483.590        | 48.30            | 54.0           | 5.70        | AV       | 291.00         | 150         | Horizontal | Pass    |
| 2   | 2484.220        | 64.30            | 74.0           | 9.70        | Peak     | 310.00         | 150         | Horizontal | Pass    |
| 2** | 2484.220        | 48.64            | 54.0           | 5.36        | AV       | 310.00         | 150         | Horizontal | Pass    |
| 3   | 2484.145        | 61.43            | 74.0           | 12.57       | Peak     | 350.00         | 150         | Horizontal | Pass    |
| 3** | 2484.145        | 50.06            | 54.0           | 3.94        | AV       | 350.00         | 150         | Horizontal | Pass    |

## 802.11ax20(SU) LOW CHANNEL

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 2389.700        | 67.43            | 74.0           | 6.57        | Peak     | 317.00         | 150         | Horizontal | Pass    |
| 1** | 2389.700        | 49.96            | 54.0           | 4.04        | AV       | 317.00         | 150         | Horizontal | Pass    |
| 2   | 2389.950        | 68.36            | 74.0           | 5.64        | Peak     | 308.00         | 200         | Horizontal | Pass    |
| 2** | 2389.950        | 50.06            | 54.0           | 3.94        | AV       | 308.00         | 200         | Horizontal | Pass    |
| 3   | 2389.550        | 64.51            | 74.0           | 9.49        | Peak     | 336.00         | 150         | Horizontal | Pass    |
| 3** | 2389.550        | 50.40            | 54.0           | 3.60        | AV       | 336.00         | 150         | Horizontal | Pass    |

## 802.11ax20(SU) HIGH CHANNEL

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 2483.530        | 65.26            | 74.0           | 8.74        | Peak     | 306.00         | 200         | Horizontal | Pass    |
| 1** | 2483.530        | 50.21            | 54.0           | 3.79        | AV       | 306.00         | 200         | Horizontal | Pass    |
| 2   | 2484.520        | 65.90            | 74.0           | 8.10        | Peak     | 319.00         | 100         | Horizontal | Pass    |
| 2** | 2484.520        | 49.38            | 54.0           | 4.62        | AV       | 319.00         | 100         | Horizontal | Pass    |
| 3   | 2483.635        | 65.34            | 74.0           | 8.66        | Peak     | 326.00         | 150         | Horizontal | Pass    |
| 3** | 2483.635        | 50.68            | 54.0           | 3.32        | AV       | 326.00         | 150         | Horizontal | Pass    |

## 802.11ax40(SU) LOW CHANNEL

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 2389.500        | 65.55            | 74.0           | 8.45        | Peak     | 310.00         | 200         | Horizontal | Pass    |
| 1** | 2389.500        | 48.57            | 54.0           | 5.43        | AV       | 310.00         | 200         | Horizontal | Pass    |
| 2   | 2389.950        | 59.37            | 74.0           | 14.63       | Peak     | 275.00         | 100         | Horizontal | Pass    |
| 2** | 2389.950        | 48.65            | 54.0           | 5.35        | AV       | 275.00         | 100         | Horizontal | Pass    |
| 3   | 2389.550        | 63.33            | 74.0           | 10.67       | Peak     | 314.00         | 150         | Horizontal | Pass    |
| 3** | 2389.550        | 50.01            | 54.0           | 3.99        | AV       | 314.00         | 150         | Horizontal | Pass    |

## 802.11ax40(SU) HIGH CHANNEL

| No. | Frequency (MHz) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 2483.545        | 63.55            | 74.0           | 10.45       | Peak     | 296.00         | 150         | Horizontal | Pass    |
| 1** | 2483.545        | 48.32            | 54.0           | 5.68        | AV       | 296.00         | 150         | Horizontal | Pass    |
| 2   | 2483.920        | 63.79            | 74.0           | 10.21       | Peak     | 308.00         | 150         | Horizontal | Pass    |
| 2** | 2483.920        | 48.49            | 54.0           | 5.51        | AV       | 308.00         | 150         | Horizontal | Pass    |
| 3   | 2484.520        | 59.09            | 74.0           | 14.91       | Peak     | 343.00         | 150         | Horizontal | Pass    |
| 3** | 2484.520        | 50.06            | 54.0           | 3.94        | AV       | 343.00         | 150         | Horizontal | Pass    |

## A.8 Power Spectral Density (PSD)

### Test Data

#### 802.11b Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| Low     | -10.08                               | 8                |
| Middle  | -9.70                                | 8                |
| High    | -10.53                               | 8                |

#### 802.11g Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| Low     | -12.33                               | 8                |
| Middle  | -12.55                               | 8                |
| High    | -12.79                               | 8                |

#### 802.11n-20 MHz Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| Low     | -12.02                               | 8                |
| Middle  | -12.51                               | 8                |
| High    | -13.23                               | 8                |

#### 802.11n-40 MHz Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| Low     | -15.69                               | 8                |
| Middle  | -15.55                               | 8                |
| High    | -15.14                               | 8                |

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

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| Low     | -13.18                               | 8                |
| Middle  | -14.42                               | 8                |
| High    | -14.93                               | 8                |

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

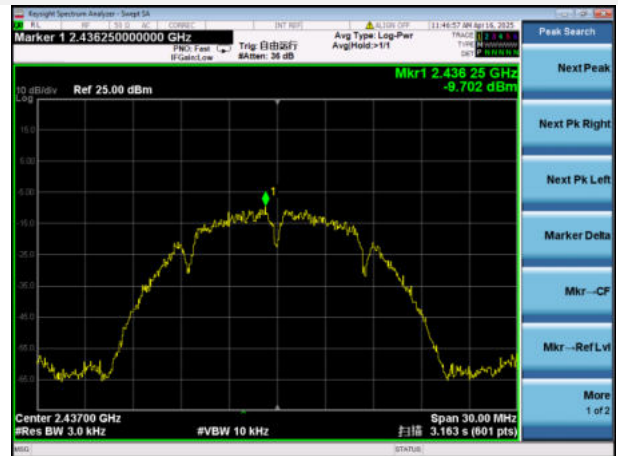
| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| Low     | -15.86                               | 8                |
| Middle  | -15.82                               | 8                |
| High    | -16.20                               | 8                |

## Test Plots

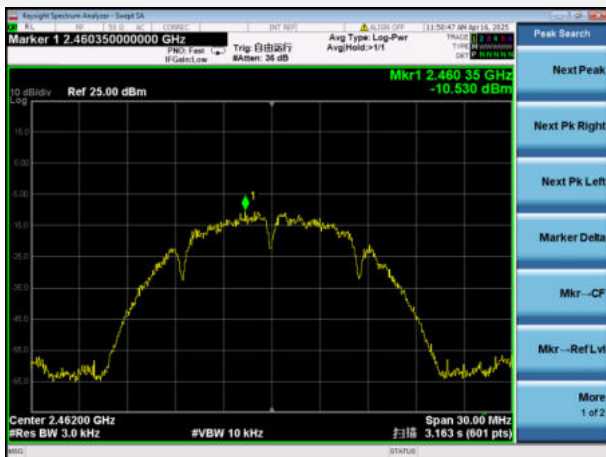
802.11b LOW CHANNEL



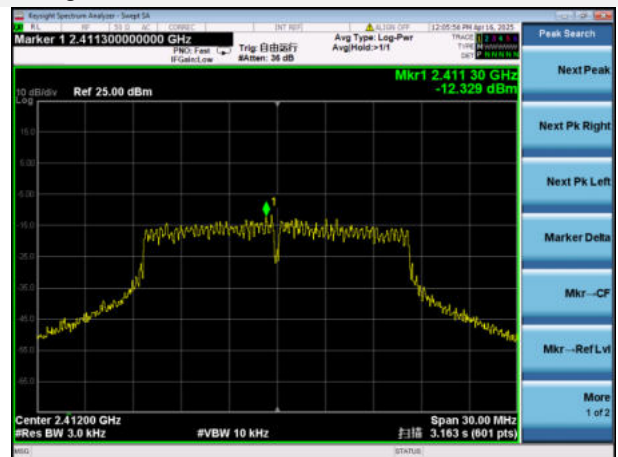
802.11b MIDDLE CHANNEL



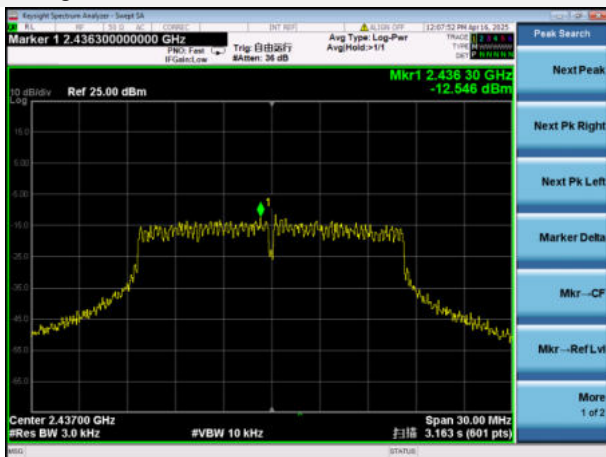
802.11b HIGH CHANNEL



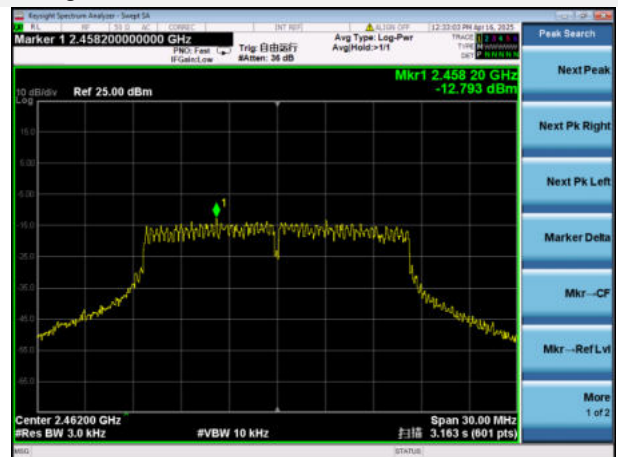
802.11g LOW CHANNEL



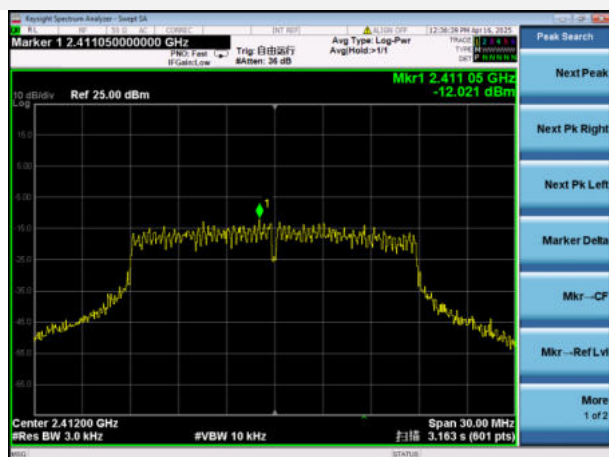
802.11g MIDDLE CHANNEL



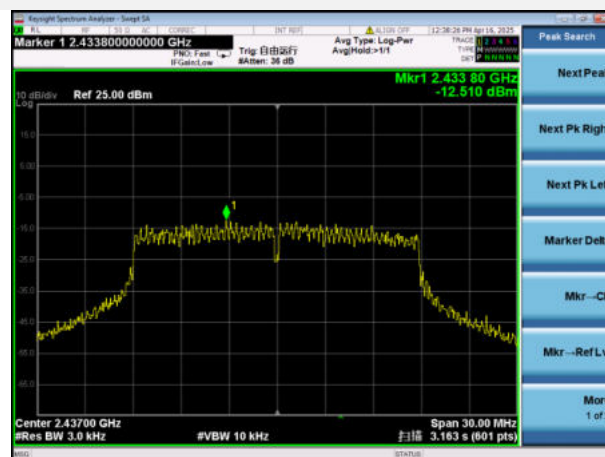
802.11g HIGH CHANNEL



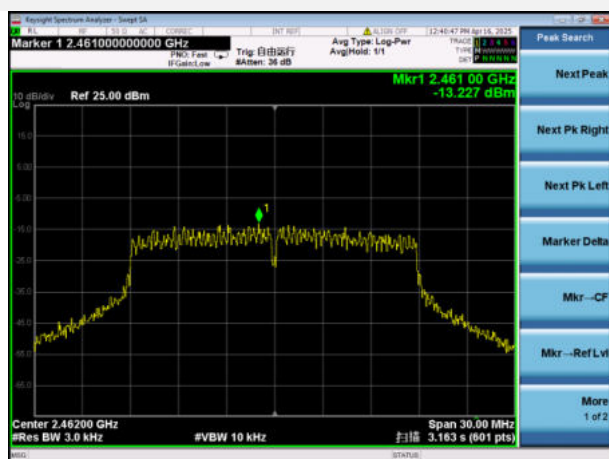
## 802.11n-20 MHz LOW CHANNEL



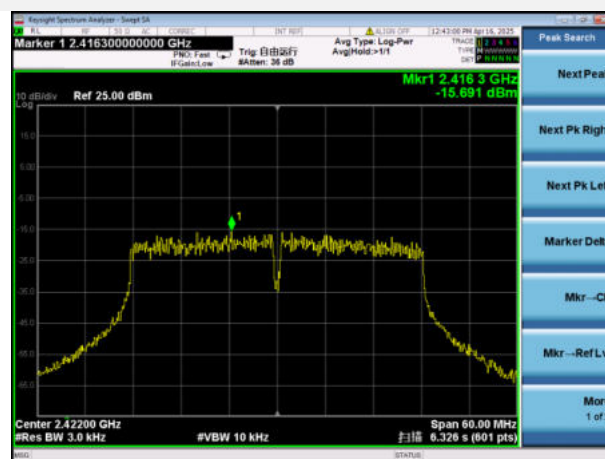
## 802.11n-20 MHz MIDDLE CHANNEL



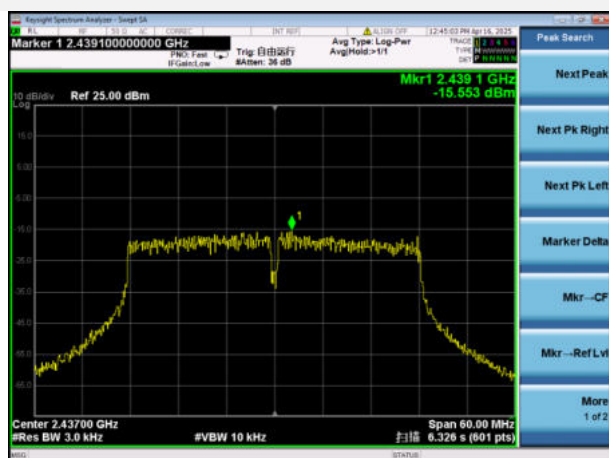
## 802.11n-20 MHz HIGH CHANNEL



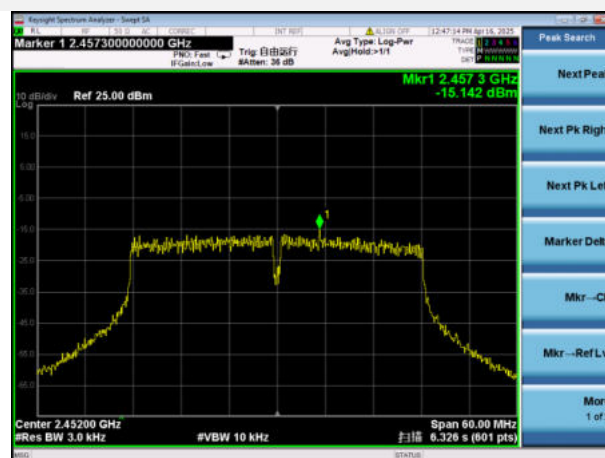
## 802.11n-40 MHz LOW CHANNEL



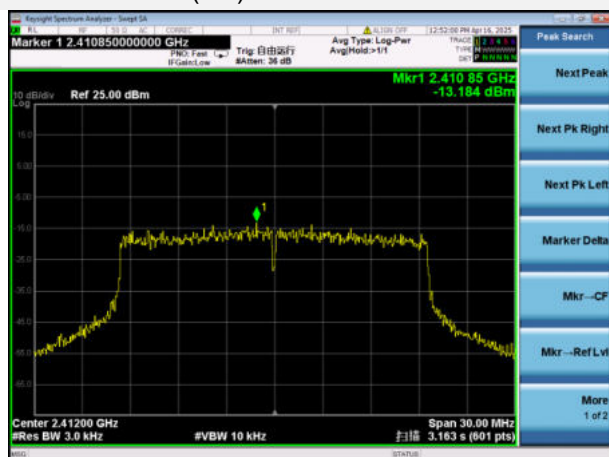
## 802.11n-40 MHz MIDDLE CHANNEL



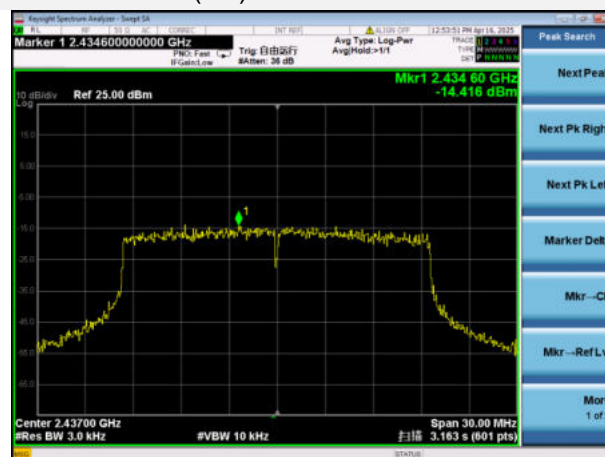
## 802.11n-40 MHz HIGH CHANNEL



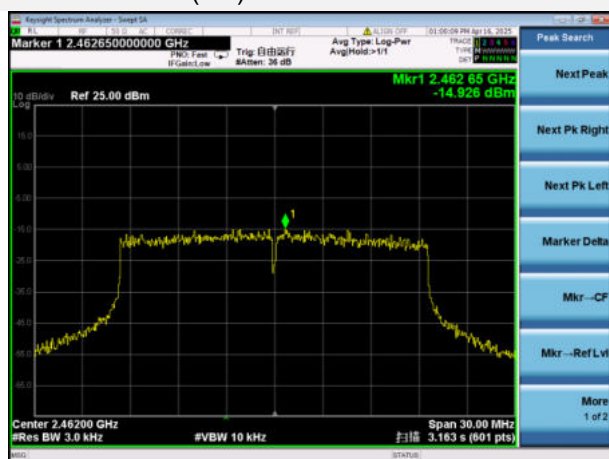
802.11ax-20 MHz(SU) LOW CHANNEL



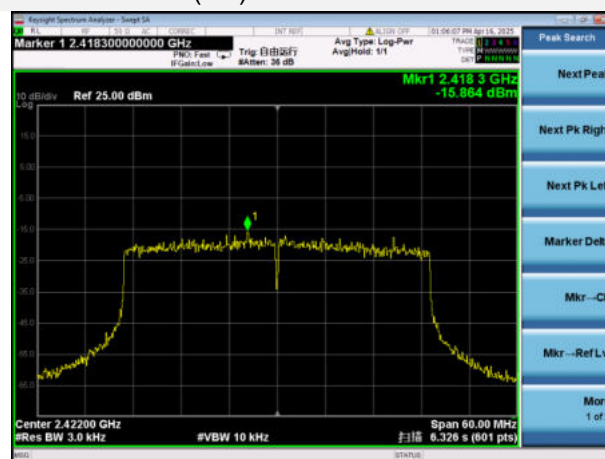
802.11ax-20 MHz(SU) MIDDLE CHANNEL



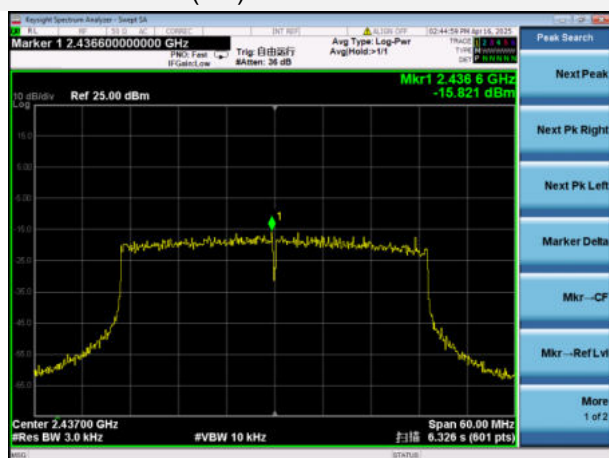
802.11ax-20 MHz(SU) HIGH CHANNEL



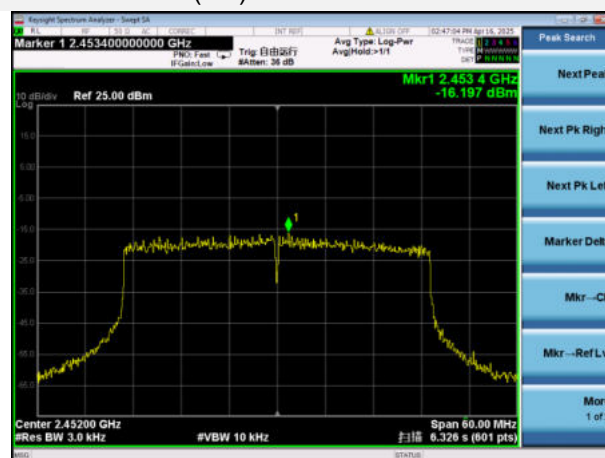
802.11ax-40 MHz(SU) LOW CHANNEL



802.11ax-40 MHz(SU) MIDDLE CHANNEL



802.11ax-40 MHz(SU) HIGH CHANNEL



## **ANNEX B TEST SETUP PHOTOS**

Please refer the document “Ti-EE26030457-AR.PDF”.

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer the document “Ti-EE26030457-AW.PDF”.

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer the document “Ti-EE26030457-AI.PDF”.

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