

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1439.400        | 49.85            | -17.62      | 74.0           | -24.15          | Peak     | 168.00         | 150         | Horizontal | Pass    |
| 1** | 1439.400        | 32.24            | -17.62      | 54.0           | -21.76          | AV       | 168.00         | 150         | Horizontal | Pass    |
| 2   | 2410.700        | 97.96            | -13.28      | 74.0           | 23.96           | Peak     | 207.00         | 150         | Horizontal | N/A     |
| 2** | 2410.700        | 91.18            | -13.28      | 54.0           | 37.18           | AV       | 207.00         | 150         | Horizontal | N/A     |
| 3   | 4819.250        | 49.46            | -2.91       | 74.0           | -24.54          | Peak     | 73.00          | 150         | Horizontal | Pass    |
| 3** | 4819.250        | 40.56            | -2.91       | 54.0           | -13.44          | AV       | 73.00          | 150         | Horizontal | Pass    |
| 4   | 7789.500        | 51.91            | 0.79        | 74.0           | -22.09          | Peak     | 188.00         | 150         | Horizontal | Pass    |
| 4** | 7789.500        | 42.24            | 0.79        | 54.0           | -11.76          | AV       | 188.00         | 150         | Horizontal | Pass    |
| 5   | 9297.500        | 47.34            | -0.98       | 74.0           | -26.66          | Peak     | 144.00         | 150         | Horizontal | Pass    |
| 5** | 9297.500        | 38.84            | -0.98       | 54.0           | -15.16          | AV       | 144.00         | 150         | Horizontal | Pass    |
| 6   | 15220.500       | 50.48            | 0.88        | 74.0           | -23.52          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 6** | 15220.500       | 40.42            | 0.88        | 54.0           | -13.58          | AV       | 0.00           | 150         | Horizontal | Pass    |

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| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1711.200        | 51.76            | -17.39      | 74.0           | -22.24          | Peak     | 107.00         | 150         | Vertical | Pass    |
| 1** | 1711.200        | 29.86            | -17.39      | 54.0           | -24.14          | AV       | 107.00         | 150         | Vertical | Pass    |
| 2   | 2413.100        | 92.88            | -13.23      | 74.0           | 18.88           | Peak     | 220.00         | 150         | Vertical | N/A     |
| 2** | 2413.100        | 85.25            | -13.23      | 54.0           | 31.25           | AV       | 220.00         | 150         | Vertical | N/A     |
| 3   | 5216.000        | 49.58            | -1.31       | 74.0           | -24.42          | Peak     | 29.00          | 150         | Vertical | Pass    |
| 3** | 5216.000        | 40.01            | -1.31       | 54.0           | -13.99          | AV       | 29.00          | 150         | Vertical | Pass    |
| 4   | 7357.500        | 52.06            | 0.68        | 74.0           | -21.94          | Peak     | 166.00         | 150         | Vertical | Pass    |
| 4** | 7357.500        | 42.57            | 0.68        | 54.0           | -11.43          | AV       | 166.00         | 150         | Vertical | Pass    |
| 5   | 9300.000        | 47.85            | -0.83       | 74.0           | -26.15          | Peak     | 63.00          | 150         | Vertical | Pass    |
| 5** | 9300.000        | 41.15            | -0.83       | 54.0           | -12.85          | AV       | 63.00          | 150         | Vertical | Pass    |
| 6   | 15115.500       | 50.67            | 0.98        | 74.0           | -23.33          | Peak     | 86.00          | 150         | Vertical | Pass    |
| 6** | 15115.500       | 41.18            | 0.98        | 54.0           | -12.82          | AV       | 86.00          | 150         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H 802.11n20 Channel 6

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1994.200        | 46.70            | -15.92      | 74.0           | -27.30          | Peak     | 161.00         | 150         | Horizontal | Pass    |
| 1** | 1994.200        | 36.68            | -15.92      | 54.0           | -17.32          | AV       | 161.00         | 150         | Horizontal | Pass    |
| 2   | 2437.900        | 98.58            | -12.74      | 74.0           | 24.58           | Peak     | 208.00         | 150         | Horizontal | N/A     |
| 2** | 2437.900        | 91.33            | -12.74      | 54.0           | 37.33           | AV       | 208.00         | 150         | Horizontal | N/A     |
| 3   | 4874.250        | 49.97            | -2.84       | 74.0           | -24.03          | Peak     | 83.00          | 150         | Horizontal | Pass    |
| 3** | 4874.250        | 40.65            | -2.84       | 54.0           | -13.35          | AV       | 83.00          | 150         | Horizontal | Pass    |
| 4   | 7485.500        | 51.13            | 0.64        | 74.0           | -22.87          | Peak     | 300.00         | 150         | Horizontal | Pass    |
| 4** | 7485.500        | 42.05            | 0.64        | 54.0           | -11.95          | AV       | 300.00         | 150         | Horizontal | Pass    |
| 5   | 9309.500        | 47.98            | -1.37       | 74.0           | -26.02          | Peak     | 298.00         | 150         | Horizontal | Pass    |
| 5** | 9309.500        | 38.42            | -1.37       | 54.0           | -15.58          | AV       | 298.00         | 150         | Horizontal | Pass    |
| 6   | 15100.000       | 50.85            | 1.20        | 74.0           | -23.15          | Peak     | 209.00         | 150         | Horizontal | Pass    |
| 6** | 15100.000       | 41.74            | 1.20        | 54.0           | -12.26          | AV       | 209.00         | 150         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11n20 Channel 6

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1715.200        | 49.95            | -17.37      | 74.0           | -24.05          | Peak     | 128.00         | 150         | Vertical | Pass    |
| 1** | 1715.200        | 32.39            | -17.37      | 54.0           | -21.61          | AV       | 128.00         | 150         | Vertical | Pass    |
| 2   | 2435.700        | 91.67            | -12.75      | 74.0           | 17.67           | Peak     | 262.00         | 150         | Vertical | N/A     |
| 2** | 2435.700        | 85.09            | -12.75      | 54.0           | 31.09           | AV       | 262.00         | 150         | Vertical | N/A     |
| 3   | 4872.250        | 48.23            | -2.81       | 74.0           | -25.77          | Peak     | 262.00         | 150         | Vertical | Pass    |
| 3** | 4872.250        | 38.95            | -2.81       | 54.0           | -15.05          | AV       | 262.00         | 150         | Vertical | Pass    |
| 4   | 7778.250        | 51.40            | 0.98        | 74.0           | -22.60          | Peak     | 189.00         | 150         | Vertical | Pass    |
| 4** | 7778.250        | 42.88            | 0.98        | 54.0           | -11.12          | AV       | 189.00         | 150         | Vertical | Pass    |
| 5   | 9304.001        | 47.70            | -1.05       | 74.0           | -26.30          | Peak     | 320.00         | 150         | Vertical | Pass    |
| 5** | 9304.001        | 39.37            | -1.05       | 54.0           | -14.63          | AV       | 320.00         | 150         | Vertical | Pass    |
| 6   | 15960.500       | 50.54            | 0.38        | 74.0           | -23.46          | Peak     | 332.00         | 150         | Vertical | Pass    |
| 6** | 15960.500       | 40.90            | 0.38        | 54.0           | -13.10          | AV       | 332.00         | 150         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H 802.11n20 Channel 11

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1908.600        | 45.89            | -16.33      | 74.0           | -28.11          | Peak     | 58.00          | 150         | Horizontal | Pass    |
| 1** | 1908.600        | 27.32            | -16.33      | 54.0           | -26.68          | AV       | 58.00          | 150         | Horizontal | Pass    |
| 2   | 2463.200        | 97.32            | -12.89      | 74.0           | 23.32           | Peak     | 206.00         | 150         | Horizontal | N/A     |
| 2** | 2463.200        | 89.29            | -12.89      | 54.0           | 35.29           | AV       | 206.00         | 150         | Horizontal | N/A     |
| 3   | 4927.250        | 50.04            | -1.70       | 74.0           | -23.96          | Peak     | 125.00         | 150         | Horizontal | Pass    |
| 3** | 4927.250        | 40.47            | -1.70       | 54.0           | -13.53          | AV       | 125.00         | 150         | Horizontal | Pass    |
| 4   | 7139.000        | 50.83            | -0.35       | 74.0           | -23.17          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 4** | 7139.000        | 41.50            | -0.35       | 54.0           | -12.50          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 5   | 9075.000        | 46.88            | -3.45       | 74.0           | -27.12          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 5** | 9075.000        | 37.32            | -3.45       | 54.0           | -16.68          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 6   | 15188.500       | 50.68            | 1.31        | 74.0           | -23.32          | Peak     | 185.00         | 150         | Horizontal | Pass    |
| 6** | 15188.500       | 41.12            | 1.31        | 54.0           | -12.88          | AV       | 185.00         | 150         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11n20 Channel 11

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1911.900        | 52.47            | -16.34      | 74.0           | -21.53          | Peak     | 138.00         | 150         | Vertical | Pass    |
| 1** | 1911.900        | 28.85            | -16.34      | 54.0           | -25.15          | AV       | 138.00         | 150         | Vertical | Pass    |
| 2   | 2459.000        | 91.67            | -12.82      | 74.0           | 17.67           | Peak     | 224.00         | 150         | Vertical | N/A     |
| 2** | 2459.000        | 83.73            | -12.82      | 54.0           | 29.73           | AV       | 224.00         | 150         | Vertical | N/A     |
| 3   | 4921.250        | 48.41            | -1.91       | 74.0           | -25.59          | Peak     | 253.00         | 150         | Vertical | Pass    |
| 3** | 4921.250        | 40.18            | -1.91       | 54.0           | -13.82          | AV       | 253.00         | 150         | Vertical | Pass    |
| 4   | 7430.000        | 51.45            | 0.11        | 74.0           | -22.55          | Peak     | 12.00          | 150         | Vertical | Pass    |
| 4** | 7430.000        | 41.30            | 0.11        | 54.0           | -12.70          | AV       | 12.00          | 150         | Vertical | Pass    |
| 5   | 9298.500        | 47.28            | -0.92       | 74.0           | -26.72          | Peak     | 72.00          | 150         | Vertical | Pass    |
| 5** | 9298.500        | 38.91            | -0.92       | 54.0           | -15.09          | AV       | 72.00          | 150         | Vertical | Pass    |
| 6   | 15202.500       | 51.27            | 1.47        | 74.0           | -22.73          | Peak     | 150.00         | 150         | Vertical | Pass    |
| 6** | 15202.500       | 41.16            | 1.47        | 54.0           | -12.84          | AV       | 150.00         | 150         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H 802.11n40 Channel 3

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1954.500        | 45.77            | -15.97      | 74.0           | -28.23          | Peak     | 82.00          | 150         | Horizontal | Pass    |
| 1** | 1954.500        | 29.71            | -15.97      | 54.0           | -24.29          | AV       | 82.00          | 150         | Horizontal | Pass    |
| 2   | 2424.300        | 94.38            | -13.04      | 74.0           | 20.38           | Peak     | 211.00         | 150         | Horizontal | N/A     |
| 2** | 2424.300        | 87.13            | -13.04      | 54.0           | 33.13           | AV       | 211.00         | 150         | Horizontal | N/A     |
| 3   | 5017.500        | 48.86            | -1.70       | 74.0           | -25.14          | Peak     | 246.00         | 150         | Horizontal | Pass    |
| 3** | 5017.500        | 38.65            | -1.70       | 54.0           | -15.35          | AV       | 246.00         | 150         | Horizontal | Pass    |
| 4   | 7364.750        | 51.56            | 0.80        | 74.0           | -22.44          | Peak     | 72.00          | 150         | Horizontal | Pass    |
| 4** | 7364.750        | 42.25            | 0.80        | 54.0           | -11.75          | AV       | 72.00          | 150         | Horizontal | Pass    |
| 5   | 9081.000        | 47.43            | -3.54       | 74.0           | -26.57          | Peak     | 362.00         | 150         | Horizontal | Pass    |
| 5** | 9081.000        | 37.03            | -3.54       | 54.0           | -16.97          | AV       | 362.00         | 150         | Horizontal | Pass    |
| 6   | 15948.000       | 50.54            | 0.66        | 74.0           | -23.46          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 6** | 15948.000       | 41.40            | 0.66        | 54.0           | -12.60          | AV       | 0.00           | 150         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11n40 Channel 3

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1908.100        | 53.18            | -16.31      | 74.0           | -20.82          | Peak     | 139.00         | 150         | Vertical | Pass    |
| 1** | 1908.100        | 30.39            | -16.31      | 54.0           | -23.61          | AV       | 139.00         | 150         | Vertical | Pass    |
| 2   | 2419.800        | 88.89            | -12.97      | 74.0           | 14.89           | Peak     | 89.00          | 150         | Vertical | N/A     |
| 2** | 2419.800        | 81.49            | -12.97      | 54.0           | 27.49           | AV       | 89.00          | 150         | Vertical | N/A     |
| 3   | 5213.750        | 49.96            | -1.34       | 74.0           | -24.04          | Peak     | 201.00         | 150         | Vertical | Pass    |
| 3** | 5213.750        | 41.54            | -1.34       | 54.0           | -12.46          | AV       | 201.00         | 150         | Vertical | Pass    |
| 4   | 7795.500        | 52.05            | 0.67        | 74.0           | -21.95          | Peak     | 130.00         | 150         | Vertical | Pass    |
| 4** | 7795.500        | 43.29            | 0.67        | 54.0           | -10.71          | AV       | 130.00         | 150         | Vertical | Pass    |
| 5   | 9297.000        | 47.83            | -1.01       | 74.0           | -26.17          | Peak     | 310.00         | 150         | Vertical | Pass    |
| 5** | 9297.000        | 39.24            | -1.01       | 54.0           | -14.76          | AV       | 310.00         | 150         | Vertical | Pass    |
| 6   | 15105.000       | 50.72            | 1.13        | 74.0           | -23.28          | Peak     | 355.00         | 150         | Vertical | Pass    |
| 6** | 15105.000       | 41.29            | 1.13        | 54.0           | -12.71          | AV       | 355.00         | 150         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H 802.11n40 Channel 6

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1911.600        | 45.14            | -16.34      | 74.0           | -28.86          | Peak     | 51.00          | 150         | Horizontal | Pass    |
| 1** | 1911.600        | 27.32            | -16.34      | 54.0           | -26.68          | AV       | 51.00          | 150         | Horizontal | Pass    |
| 2   | 2435.600        | 94.60            | -12.75      | 74.0           | 20.60           | Peak     | 206.00         | 150         | Horizontal | N/A     |
| 2** | 2435.600        | 86.87            | -12.75      | 54.0           | 32.87           | AV       | 206.00         | 150         | Horizontal | N/A     |
| 3   | 5214.250        | 50.03            | -1.36       | 74.0           | -23.97          | Peak     | 307.00         | 150         | Horizontal | Pass    |
| 3** | 5214.250        | 40.39            | -1.36       | 54.0           | -13.61          | AV       | 307.00         | 150         | Horizontal | Pass    |
| 4   | 7458.000        | 51.97            | 0.22        | 74.0           | -22.03          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 4** | 7458.000        | 41.47            | 0.22        | 54.0           | -12.53          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 5   | 9290.500        | 47.05            | -1.42       | 74.0           | -26.95          | Peak     | 231.00         | 150         | Horizontal | Pass    |
| 5** | 9290.500        | 37.89            | -1.42       | 54.0           | -16.11          | AV       | 231.00         | 150         | Horizontal | Pass    |
| 6   | 15114.000       | 50.91            | 1.00        | 74.0           | -23.09          | Peak     | 275.00         | 150         | Horizontal | Pass    |
| 6** | 15114.000       | 42.23            | 1.00        | 54.0           | -11.77          | AV       | 275.00         | 150         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11n40 Channel 6

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1702.500        | 51.40            | -17.18      | 74.0           | -22.60          | Peak     | 118.00         | 150         | Vertical | Pass    |
| 1** | 1702.500        | 35.54            | -17.18      | 54.0           | -18.46          | AV       | 118.00         | 150         | Vertical | Pass    |
| 2   | 2434.200        | 87.92            | -12.77      | 74.0           | 13.92           | Peak     | 92.00          | 150         | Vertical | N/A     |
| 2** | 2434.200        | 80.31            | -12.77      | 54.0           | 26.31           | AV       | 92.00          | 150         | Vertical | N/A     |
| 3   | 5212.250        | 49.03            | -1.34       | 74.0           | -24.97          | Peak     | 229.00         | 150         | Vertical | Pass    |
| 3** | 5212.250        | 40.64            | -1.34       | 54.0           | -13.36          | AV       | 229.00         | 150         | Vertical | Pass    |
| 4   | 7477.750        | 51.17            | 0.97        | 74.0           | -22.83          | Peak     | 181.00         | 150         | Vertical | Pass    |
| 4** | 7477.750        | 42.13            | 0.97        | 54.0           | -11.87          | AV       | 181.00         | 150         | Vertical | Pass    |
| 5   | 9298.000        | 47.50            | -0.95       | 74.0           | -26.50          | Peak     | 310.00         | 150         | Vertical | Pass    |
| 5** | 9298.000        | 39.35            | -0.95       | 54.0           | -14.65          | AV       | 310.00         | 150         | Vertical | Pass    |
| 6   | 15347.000       | 50.87            | 1.49        | 74.0           | -23.13          | Peak     | 108.00         | 150         | Vertical | Pass    |
| 6** | 15347.000       | 41.10            | 1.49        | 54.0           | -12.90          | AV       | 108.00         | 150         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H 802.11n40 Channel 9

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1951.500        | 45.10            | -15.88      | 74.0           | -28.90          | Peak     | 150.00         | 150         | Horizontal | Pass    |
| 1** | 1951.500        | 27.94            | -15.88      | 54.0           | -26.06          | AV       | 150.00         | 150         | Horizontal | Pass    |
| 2   | 2456.000        | 93.56            | -12.74      | 74.0           | 19.56           | Peak     | 208.00         | 150         | Horizontal | N/A     |
| 2** | 2456.000        | 86.82            | -12.74      | 54.0           | 32.82           | AV       | 208.00         | 150         | Horizontal | N/A     |
| 3   | 5281.250        | 49.71            | -2.42       | 74.0           | -24.29          | Peak     | 98.00          | 150         | Horizontal | Pass    |
| 3** | 5281.250        | 39.92            | -2.42       | 54.0           | -14.08          | AV       | 98.00          | 150         | Horizontal | Pass    |
| 4   | 7054.000        | 51.27            | -0.40       | 74.0           | -22.73          | Peak     | 35.00          | 150         | Horizontal | Pass    |
| 4** | 7054.000        | 42.05            | -0.40       | 54.0           | -11.95          | AV       | 35.00          | 150         | Horizontal | Pass    |
| 5   | 9543.999        | 47.05            | -3.53       | 74.0           | -26.95          | Peak     | 194.00         | 150         | Horizontal | Pass    |
| 5** | 9543.999        | 37.70            | -3.53       | 54.0           | -16.30          | AV       | 194.00         | 150         | Horizontal | Pass    |
| 6   | 15340.500       | 51.30            | 1.45        | 74.0           | -22.70          | Peak     | 263.00         | 150         | Horizontal | Pass    |
| 6** | 15340.500       | 41.36            | 1.45        | 54.0           | -12.64          | AV       | 263.00         | 150         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11n40h Channel 9

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1956.300        | 52.15            | -15.86      | 74.0           | -21.85          | Peak     | 142.00         | 150         | Vertical | Pass    |
| 1** | 1956.300        | 29.59            | -15.86      | 54.0           | -24.41          | AV       | 142.00         | 150         | Vertical | Pass    |
| 2   | 2456.000        | 88.67            | -12.74      | 74.0           | 14.67           | Peak     | 221.00         | 150         | Vertical | N/A     |
| 2** | 2456.000        | 81.09            | -12.74      | 54.0           | 27.09           | AV       | 221.00         | 150         | Vertical | N/A     |
| 3   | 5229.000        | 49.32            | -1.88       | 74.0           | -24.68          | Peak     | 115.00         | 150         | Vertical | Pass    |
| 3** | 5229.000        | 40.43            | -1.88       | 54.0           | -13.57          | AV       | 115.00         | 150         | Vertical | Pass    |
| 4   | 7366.000        | 51.63            | 0.72        | 74.0           | -22.37          | Peak     | 358.00         | 150         | Vertical | Pass    |
| 4** | 7366.000        | 42.21            | 0.72        | 54.0           | -11.79          | AV       | 358.00         | 150         | Vertical | Pass    |
| 5   | 9289.000        | 47.42            | -1.51       | 74.0           | -26.58          | Peak     | 73.00          | 150         | Vertical | Pass    |
| 5** | 9289.000        | 38.73            | -1.51       | 54.0           | -15.27          | AV       | 73.00          | 150         | Vertical | Pass    |
| 6   | 15101.000       | 50.51            | 1.19        | 74.0           | -23.49          | Peak     | 199.00         | 150         | Vertical | Pass    |
| 6** | 15101.000       | 41.93            | 1.19        | 54.0           | -12.07          | AV       | 199.00         | 150         | Vertical | Pass    |

### Aux. Antenna

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1789.900        | 47.23            | -16.84      | 74.0           | -26.77          | Peak     | 142.00         | 150         | Horizontal | Pass    |
| 1** | 1789.900        | 35.74            | -16.84      | 54.0           | -18.26          | AV       | 142.00         | 150         | Horizontal | Pass    |
| 2   | 2413.200        | 100.83           | -13.23      | 74.0           | 26.83           | Peak     | 30.00          | 150         | Horizontal | N/A     |
| 2** | 2413.200        | 97.71            | -13.23      | 54.0           | 43.71           | AV       | 30.00          | 150         | Horizontal | N/A     |
| 3   | 4824.250        | 50.84            | -2.73       | 74.0           | -23.16          | Peak     | 53.00          | 150         | Horizontal | Pass    |
| 3** | 4824.250        | 47.69            | -2.73       | 54.0           | -6.31           | AV       | 53.00          | 150         | Horizontal | Pass    |
| 4   | 7379.750        | 51.32            | -0.26       | 74.0           | -22.68          | Peak     | 333.00         | 150         | Horizontal | Pass    |
| 4** | 7379.750        | 41.25            | -0.26       | 54.0           | -12.75          | AV       | 333.00         | 150         | Horizontal | Pass    |
| 5   | 9297.500        | 47.41            | -0.98       | 74.0           | -26.59          | Peak     | 141.00         | 150         | Horizontal | Pass    |
| 5** | 9297.500        | 39.12            | -0.98       | 54.0           | -14.88          | AV       | 141.00         | 150         | Horizontal | Pass    |
| 6   | 15093.000       | 50.70            | 1.08        | 74.0           | -23.30          | Peak     | 129.00         | 150         | Horizontal | Pass    |
| 6** | 15093.000       | 41.89            | 1.08        | 54.0           | -12.11          | AV       | 129.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1724.400        | 51.89            | -17.48      | 74.0           | -22.11          | Peak     | 107.00         | 150         | Vertical | Pass    |
| 1** | 1724.400        | 34.24            | -17.48      | 54.0           | -19.76          | AV       | 107.00         | 150         | Vertical | Pass    |
| 2   | 2413.200        | 90.71            | -13.23      | 74.0           | 16.71           | Peak     | 57.00          | 150         | Vertical | N/A     |
| 2** | 2413.200        | 87.94            | -13.23      | 54.0           | 33.94           | AV       | 57.00          | 150         | Vertical | N/A     |
| 3   | 4824.250        | 47.62            | -2.73       | 74.0           | -26.38          | Peak     | 324.00         | 150         | Vertical | Pass    |
| 3** | 4824.250        | 43.55            | -2.73       | 54.0           | -10.45          | AV       | 324.00         | 150         | Vertical | Pass    |
| 4   | 7472.750        | 51.35            | 1.03        | 74.0           | -22.65          | Peak     | 308.00         | 150         | Vertical | Pass    |
| 4** | 7472.750        | 41.94            | 1.03        | 54.0           | -12.06          | AV       | 308.00         | 150         | Vertical | Pass    |
| 5   | 9305.500        | 47.37            | -1.14       | 74.0           | -26.63          | Peak     | 142.00         | 150         | Vertical | Pass    |
| 5** | 9305.500        | 38.16            | -1.14       | 54.0           | -15.84          | AV       | 142.00         | 150         | Vertical | Pass    |
| 6   | 15110.000       | 50.90            | 1.06        | 74.0           | -23.10          | Peak     | 343.00         | 150         | Vertical | Pass    |
| 6** | 15110.000       | 41.67            | 1.06        | 54.0           | -12.33          | AV       | 343.00         | 150         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H 802.11b Channel 6

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1957.800        | 44.59            | -15.78      | 74.0           | -29.41          | Peak     | 160.00         | 150         | Horizontal | Pass    |
| 1** | 1957.800        | 34.86            | -15.78      | 54.0           | -19.14          | AV       | 160.00         | 150         | Horizontal | Pass    |
| 2   | 2438.300        | 101.06           | -12.71      | 74.0           | 27.06           | Peak     | 26.00          | 150         | Horizontal | N/A     |
| 2** | 2438.300        | 97.94            | -12.71      | 54.0           | 43.94           | AV       | 26.00          | 150         | Horizontal | N/A     |
| 3   | 4874.000        | 49.42            | -2.83       | 74.0           | -24.58          | Peak     | 43.00          | 150         | Horizontal | Pass    |
| 3** | 4874.000        | 45.33            | -2.83       | 54.0           | -8.67           | AV       | 43.00          | 150         | Horizontal | Pass    |
| 4   | 7070.500        | 51.07            | -0.15       | 74.0           | -22.93          | Peak     | 74.00          | 150         | Horizontal | Pass    |
| 4** | 7070.500        | 40.76            | -0.15       | 54.0           | -13.24          | AV       | 74.00          | 150         | Horizontal | Pass    |
| 5   | 9287.000        | 48.48            | -1.64       | 74.0           | -25.52          | Peak     | 130.00         | 150         | Horizontal | Pass    |
| 5** | 9287.000        | 38.86            | -1.64       | 54.0           | -15.14          | AV       | 130.00         | 150         | Horizontal | Pass    |
| 6   | 16570.000       | 50.79            | 0.94        | 74.0           | -23.21          | Peak     | 285.00         | 150         | Horizontal | Pass    |
| 6** | 16570.000       | 40.36            | 0.94        | 54.0           | -13.64          | AV       | 285.00         | 150         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11b Channel 6

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1685.800        | 53.86            | -17.48      | 74.0           | -20.14          | Peak     | 121.00         | 150         | Vertical | Pass    |
| 1** | 1685.800        | 30.77            | -17.48      | 54.0           | -23.23          | AV       | 121.00         | 150         | Vertical | Pass    |
| 2   | 2435.800        | 90.60            | -12.75      | 74.0           | 16.60           | Peak     | 103.00         | 150         | Vertical | N/A     |
| 2** | 2435.800        | 87.67            | -12.75      | 54.0           | 33.67           | AV       | 103.00         | 150         | Vertical | N/A     |
| 3   | 4873.500        | 48.31            | -2.82       | 74.0           | -25.69          | Peak     | 148.00         | 150         | Vertical | Pass    |
| 3** | 4873.500        | 40.11            | -2.82       | 54.0           | -13.89          | AV       | 148.00         | 150         | Vertical | Pass    |
| 4   | 7047.750        | 51.04            | -0.47       | 74.0           | -22.96          | Peak     | 333.00         | 150         | Vertical | Pass    |
| 4** | 7047.750        | 40.44            | -0.47       | 54.0           | -13.56          | AV       | 333.00         | 150         | Vertical | Pass    |
| 5   | 8798.000        | 46.71            | -2.73       | 74.0           | -27.29          | Peak     | 119.00         | 150         | Vertical | Pass    |
| 5** | 8798.000        | 37.68            | -2.73       | 54.0           | -16.32          | AV       | 119.00         | 150         | Vertical | Pass    |
| 6   | 16502.000       | 50.37            | 2.02        | 74.0           | -23.63          | Peak     | 173.00         | 150         | Vertical | Pass    |
| 6** | 16502.000       | 41.33            | 2.02        | 54.0           | -12.67          | AV       | 173.00         | 150         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H 802.11b Channel 11

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1958.200        | 46.05            | -15.79      | 74.0           | -27.95          | Peak     | 154.00         | 150         | Horizontal | Pass    |
| 1** | 1958.200        | 30.53            | -15.79      | 54.0           | -23.47          | AV       | 154.00         | 150         | Horizontal | Pass    |
| 2   | 2460.600        | 100.97           | -12.96      | 74.0           | 26.97           | Peak     | 30.00          | 150         | Horizontal | N/A     |
| 2** | 2460.600        | 97.88            | -12.96      | 54.0           | 43.88           | AV       | 30.00          | 150         | Horizontal | N/A     |
| 3   | 4924.000        | 49.80            | -1.78       | 74.0           | -24.20          | Peak     | 44.00          | 150         | Horizontal | Pass    |
| 3** | 4924.000        | 45.79            | -1.78       | 54.0           | -8.21           | AV       | 44.00          | 150         | Horizontal | Pass    |
| 4   | 7363.500        | 51.25            | 0.62        | 74.0           | -22.75          | Peak     | 213.00         | 150         | Horizontal | Pass    |
| 4** | 7363.500        | 42.02            | 0.62        | 54.0           | -11.98          | AV       | 213.00         | 150         | Horizontal | Pass    |
| 5   | 9298.000        | 47.05            | -0.95       | 74.0           | -26.95          | Peak     | 330.00         | 150         | Horizontal | Pass    |
| 5** | 9298.000        | 38.82            | -0.95       | 54.0           | -15.18          | AV       | 330.00         | 150         | Horizontal | Pass    |
| 6   | 15304.500       | 50.59            | 1.18        | 74.0           | -23.41          | Peak     | 80.00          | 150         | Horizontal | Pass    |
| 6** | 15304.500       | 41.19            | 1.18        | 54.0           | -12.81          | AV       | 80.00          | 150         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11b Channel 11

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1686.000        | 53.35            | -17.49      | 74.0           | -20.65          | Peak     | 111.00         | 150         | Vertical | Pass    |
| 1** | 1686.000        | 37.11            | -17.49      | 54.0           | -16.89          | AV       | 111.00         | 150         | Vertical | Pass    |
| 2   | 2463.200        | 90.17            | -12.89      | 74.0           | 16.17           | Peak     | 271.00         | 150         | Vertical | N/A     |
| 2** | 2463.200        | 87.32            | -12.89      | 54.0           | 33.32           | AV       | 271.00         | 150         | Vertical | N/A     |
| 3   | 4924.250        | 49.21            | -1.79       | 74.0           | -24.79          | Peak     | 303.00         | 150         | Vertical | Pass    |
| 3** | 4924.250        | 44.59            | -1.79       | 54.0           | -9.41           | AV       | 303.00         | 150         | Vertical | Pass    |
| 4   | 7816.500        | 52.29            | 1.03        | 74.0           | -21.71          | Peak     | 182.00         | 150         | Vertical | Pass    |
| 4** | 7816.500        | 42.36            | 1.03        | 54.0           | -11.64          | AV       | 182.00         | 150         | Vertical | Pass    |
| 5   | 9045.000        | 47.17            | -3.31       | 74.0           | -26.83          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 5** | 9045.000        | 36.83            | -3.31       | 54.0           | -17.17          | AV       | 0.00           | 150         | Vertical | Pass    |
| 6   | 15097.500       | 49.98            | 1.16        | 74.0           | -24.02          | Peak     | 69.00          | 150         | Vertical | Pass    |
| 6** | 15097.500       | 42.12            | 1.16        | 54.0           | -11.88          | AV       | 69.00          | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1704.600        | 55.47            | -17.14      | 74.0           | -18.53          | Peak     | 279.00         | 150         | Horizontal | Pass    |
| 1** | 1704.600        | 33.43            | -17.14      | 54.0           | -20.57          | AV       | 279.00         | 150         | Horizontal | Pass    |
| 2   | 2415.800        | 96.70            | -13.06      | 74.0           | 22.70           | Peak     | 139.00         | 150         | Horizontal | N/A     |
| 2** | 2415.800        | 89.16            | -13.06      | 54.0           | 35.16           | AV       | 139.00         | 150         | Horizontal | N/A     |
| 3   | 2656.900        | 48.96            | -11.36      | 74.0           | -25.04          | Peak     | 139.00         | 150         | Horizontal | Pass    |
| 3** | 2656.900        | 35.86            | -11.36      | 54.0           | -18.14          | AV       | 139.00         | 150         | Horizontal | Pass    |
| 4   | 5342.000        | 51.87            | -2.28       | 74.0           | -22.13          | Peak     | 228.00         | 150         | Horizontal | Pass    |
| 4** | 5342.000        | 41.70            | -2.28       | 54.0           | -12.30          | AV       | 228.00         | 150         | Horizontal | Pass    |
| 5   | 11900.500       | 49.48            | -3.06       | 74.0           | -24.52          | Peak     | 173.00         | 150         | Horizontal | Pass    |
| 5** | 11900.500       | 40.17            | -3.06       | 54.0           | -13.83          | AV       | 173.00         | 150         | Horizontal | Pass    |
| 6   | 16491.500       | 53.17            | 1.96        | 74.0           | -20.83          | Peak     | 50.00          | 150         | Horizontal | Pass    |
| 6** | 16491.500       | 42.80            | 1.96        | 54.0           | -11.20          | AV       | 50.00          | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1950.600        | 44.39            | -15.88      | 74.0           | -29.61          | Peak     | 87.00          | 150         | Vertical | Pass    |
| 1** | 1950.600        | 29.53            | -15.88      | 54.0           | -24.47          | AV       | 87.00          | 150         | Vertical | Pass    |
| 2   | 2412.900        | 105.78           | -13.22      | 74.0           | 31.78           | Peak     | 207.00         | 150         | Vertical | N/A     |
| 2** | 2412.900        | 97.93            | -13.22      | 54.0           | 43.93           | AV       | 207.00         | 150         | Vertical | N/A     |
| 3   | 4824.750        | 49.09            | -2.67       | 74.0           | -24.91          | Peak     | 227.00         | 150         | Vertical | Pass    |
| 3** | 4824.750        | 43.89            | -2.67       | 54.0           | -10.11          | AV       | 227.00         | 150         | Vertical | Pass    |
| 4   | 7549.250        | 53.98            | 0.14        | 74.0           | -20.02          | Peak     | 108.00         | 150         | Vertical | Pass    |
| 4** | 7549.250        | 43.23            | 0.14        | 54.0           | -10.77          | AV       | 108.00         | 150         | Vertical | Pass    |
| 5   | 11560.500       | 49.64            | -2.50       | 74.0           | -24.36          | Peak     | 40.00          | 150         | Vertical | Pass    |
| 5** | 11560.500       | 39.95            | -2.50       | 54.0           | -14.05          | AV       | 40.00          | 150         | Vertical | Pass    |
| 6   | 15306.000       | 52.56            | 1.19        | 74.0           | -21.44          | Peak     | 85.00          | 150         | Vertical | Pass    |
| 6** | 15306.000       | 43.63            | 1.19        | 54.0           | -10.37          | AV       | 85.00          | 150         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H 802.11g Channel 6

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1827.300        | 46.58            | -16.80      | 74.0           | -27.42          | Peak     | 234.00         | 150         | Vertical | Pass    |
| 1** | 1827.300        | 28.98            | -16.80      | 54.0           | -25.02          | AV       | 234.00         | 150         | Vertical | Pass    |
| 2   | 2438.900        | 104.41           | -12.65      | 74.0           | 30.41           | Peak     | 199.00         | 150         | Vertical | N/A     |
| 2** | 2438.900        | 98.03            | -12.65      | 54.0           | 44.03           | AV       | 199.00         | 150         | Vertical | N/A     |
| 3   | 4873.250        | 50.04            | -2.81       | 74.0           | -23.96          | Peak     | 260.00         | 150         | Vertical | Pass    |
| 3** | 4873.250        | 41.44            | -2.81       | 54.0           | -12.56          | AV       | 260.00         | 150         | Vertical | Pass    |
| 4   | 7934.250        | 52.82            | 0.80        | 74.0           | -21.18          | Peak     | 269.00         | 150         | Vertical | Pass    |
| 4** | 7934.250        | 44.48            | 0.80        | 54.0           | -9.52           | AV       | 269.00         | 150         | Vertical | Pass    |
| 5   | 12139.000       | 49.96            | -2.06       | 74.0           | -24.04          | Peak     | 244.00         | 150         | Vertical | Pass    |
| 5** | 12139.000       | 41.38            | -2.06       | 54.0           | -12.62          | AV       | 244.00         | 150         | Vertical | Pass    |
| 6   | 14883.000       | 52.24            | 1.07        | 74.0           | -21.76          | Peak     | 312.00         | 150         | Vertical | Pass    |
| 6** | 14883.000       | 41.89            | 1.07        | 54.0           | -12.11          | AV       | 312.00         | 150         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11g Channel 6

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1699.600        | 53.80            | -17.18      | 74.0           | -20.20          | Peak     | 289.00         | 150         | Vertical | Pass    |
| 1** | 1699.600        | 33.80            | -17.18      | 54.0           | -20.20          | AV       | 289.00         | 150         | Vertical | Pass    |
| 2   | 2438.100        | 96.08            | -12.72      | 74.0           | 22.08           | Peak     | 140.00         | 150         | Vertical | N/A     |
| 2** | 2438.100        | 88.75            | -12.72      | 54.0           | 34.75           | AV       | 140.00         | 150         | Vertical | N/A     |
| 3   | 5012.500        | 50.09            | -1.89       | 74.0           | -23.91          | Peak     | 60.00          | 150         | Vertical | Pass    |
| 3** | 5012.500        | 41.12            | -1.89       | 54.0           | -12.88          | AV       | 60.00          | 150         | Vertical | Pass    |
| 4   | 7967.000        | 53.57            | 1.15        | 74.0           | -20.43          | Peak     | 339.00         | 150         | Vertical | Pass    |
| 4** | 7967.000        | 43.82            | 1.15        | 54.0           | -10.18          | AV       | 339.00         | 150         | Vertical | Pass    |
| 5   | 11423.000       | 48.49            | -3.15       | 74.0           | -25.51          | Peak     | 265.00         | 150         | Vertical | Pass    |
| 5** | 11423.000       | 39.40            | -3.15       | 54.0           | -14.60          | AV       | 265.00         | 150         | Vertical | Pass    |
| 6   | 15342.000       | 52.33            | 1.46        | 74.0           | -21.67          | Peak     | 188.00         | 150         | Vertical | Pass    |
| 6** | 15342.000       | 43.27            | 1.46        | 54.0           | -10.73          | AV       | 188.00         | 150         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H 802.11g Channel 11

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 2010.700        | 45.77            | -15.61      | 74.0           | -28.23          | Peak     | 334.00         | 150         | Horizontal | Pass    |
| 1** | 2010.700        | 30.32            | -15.61      | 54.0           | -23.68          | AV       | 334.00         | 150         | Horizontal | Pass    |
| 2   | 2458.700        | 103.39           | -12.79      | 74.0           | 29.39           | Peak     | 202.00         | 150         | Horizontal | N/A     |
| 2** | 2458.700        | 96.19            | -12.79      | 54.0           | 42.19           | AV       | 202.00         | 150         | Horizontal | N/A     |
| 3   | 4554.000        | 48.60            | -2.48       | 74.0           | -25.40          | Peak     | 146.00         | 150         | Horizontal | Pass    |
| 3** | 4554.000        | 40.04            | -2.48       | 54.0           | -13.96          | AV       | 146.00         | 150         | Horizontal | Pass    |
| 4   | 7905.000        | 53.06            | 1.03        | 74.0           | -20.94          | Peak     | 83.00          | 150         | Horizontal | Pass    |
| 4** | 7905.000        | 43.44            | 1.03        | 54.0           | -10.56          | AV       | 83.00          | 150         | Horizontal | Pass    |
| 5   | 12652.500       | 49.55            | -2.17       | 74.0           | -24.45          | Peak     | 298.00         | 150         | Horizontal | Pass    |
| 5** | 12652.500       | 40.19            | -2.17       | 54.0           | -13.81          | AV       | 298.00         | 150         | Horizontal | Pass    |
| 6   | 16477.000       | 52.94            | 1.75        | 74.0           | -21.06          | Peak     | 310.00         | 150         | Horizontal | Pass    |
| 6** | 16477.000       | 43.32            | 1.75        | 54.0           | -10.68          | AV       | 310.00         | 150         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11g Channel 11

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1699.400        | 54.20            | -17.19      | 74.0           | -19.80          | Peak     | 263.00         | 150         | Vertical | Pass    |
| 1** | 1699.400        | 40.67            | -17.19      | 54.0           | -13.33          | AV       | 263.00         | 150         | Vertical | Pass    |
| 2   | 2457.000        | 94.88            | -12.74      | 74.0           | 20.88           | Peak     | 140.00         | 150         | Vertical | N/A     |
| 2** | 2457.000        | 86.59            | -12.74      | 54.0           | 32.59           | AV       | 140.00         | 150         | Vertical | N/A     |
| 3   | 3983.250        | 47.96            | -4.53       | 74.0           | -26.04          | Peak     | 95.00          | 150         | Vertical | Pass    |
| 3** | 3983.250        | 37.20            | -4.53       | 54.0           | -16.80          | AV       | 95.00          | 150         | Vertical | Pass    |
| 4   | 7973.250        | 52.75            | 1.16        | 74.0           | -21.25          | Peak     | 237.00         | 150         | Vertical | Pass    |
| 4** | 7973.250        | 43.48            | 1.16        | 54.0           | -10.52          | AV       | 237.00         | 150         | Vertical | Pass    |
| 5   | 11585.500       | 49.08            | -2.96       | 74.0           | -24.92          | Peak     | 320.00         | 150         | Vertical | Pass    |
| 5** | 11585.500       | 39.97            | -2.96       | 54.0           | -14.03          | AV       | 320.00         | 150         | Vertical | Pass    |
| 6   | 15121.000       | 52.44            | 0.90        | 74.0           | -21.56          | Peak     | 85.00          | 150         | Vertical | Pass    |
| 6** | 15121.000       | 43.50            | 0.90        | 54.0           | -10.50          | AV       | 85.00          | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1962.300        | 45.77            | -16.00      | 74.0           | -28.23          | Peak     | 328.00         | 150         | Horizontal | Pass    |
| 1** | 1962.300        | 31.07            | -16.00      | 54.0           | -22.93          | AV       | 328.00         | 150         | Horizontal | Pass    |
| 2   | 2413.200        | 103.97           | -13.23      | 74.0           | 29.97           | Peak     | 202.00         | 150         | Horizontal | N/A     |
| 2** | 2413.200        | 97.11            | -13.23      | 54.0           | 43.11           | AV       | 202.00         | 150         | Horizontal | N/A     |
| 3   | 4123.500        | 47.76            | -3.27       | 74.0           | -26.24          | Peak     | 337.00         | 150         | Horizontal | Pass    |
| 3** | 4123.500        | 38.88            | -3.27       | 54.0           | -15.12          | AV       | 337.00         | 150         | Horizontal | Pass    |
| 4   | 7463.000        | 53.29            | 0.60        | 74.0           | -20.71          | Peak     | 123.00         | 150         | Horizontal | Pass    |
| 4** | 7463.000        | 43.88            | 0.60        | 54.0           | -10.12          | AV       | 123.00         | 150         | Horizontal | Pass    |
| 5   | 11550.000       | 50.17            | -2.31       | 74.0           | -23.83          | Peak     | 3.00           | 150         | Horizontal | Pass    |
| 5** | 11550.000       | 41.23            | -2.31       | 54.0           | -12.77          | AV       | 3.00           | 150         | Horizontal | Pass    |
| 6   | 14953.000       | 52.63            | 1.65        | 74.0           | -21.37          | Peak     | 216.00         | 150         | Horizontal | Pass    |
| 6** | 14953.000       | 43.95            | 1.65        | 54.0           | -10.05          | AV       | 216.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1716.700        | 53.83            | -17.48      | 74.0           | -20.17          | Peak     | 299.00         | 150         | Vertical | Pass    |
| 1** | 1716.700        | 33.36            | -17.48      | 54.0           | -20.64          | AV       | 299.00         | 150         | Vertical | Pass    |
| 2   | 2413.300        | 95.60            | -13.24      | 74.0           | 21.60           | Peak     | 140.00         | 150         | Vertical | N/A     |
| 2** | 2413.300        | 88.51            | -13.24      | 54.0           | 34.51           | AV       | 140.00         | 150         | Vertical | N/A     |
| 3   | 5223.000        | 51.11            | -1.54       | 74.0           | -22.89          | Peak     | 326.00         | 150         | Vertical | Pass    |
| 3** | 5223.000        | 41.95            | -1.54       | 54.0           | -12.05          | AV       | 326.00         | 150         | Vertical | Pass    |
| 4   | 7893.250        | 53.33            | 1.30        | 74.0           | -20.67          | Peak     | 341.00         | 150         | Vertical | Pass    |
| 4** | 7893.250        | 44.18            | 1.30        | 54.0           | -9.82           | AV       | 341.00         | 150         | Vertical | Pass    |
| 5   | 11542.500       | 49.16            | -2.59       | 74.0           | -24.84          | Peak     | 141.00         | 150         | Vertical | Pass    |
| 5** | 11542.500       | 40.18            | -2.59       | 54.0           | -13.82          | AV       | 141.00         | 150         | Vertical | Pass    |
| 6   | 15190.000       | 52.76            | 1.34        | 74.0           | -21.24          | Peak     | 287.00         | 150         | Vertical | Pass    |
| 6** | 15190.000       | 42.65            | 1.34        | 54.0           | -11.35          | AV       | 287.00         | 150         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H 802.11n20 Channel 6

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1992.600        | 45.11            | -15.94      | 74.0           | -28.89          | Peak     | 237.00         | 150         | Horizontal | Pass    |
| 1** | 1992.600        | 34.44            | -15.94      | 54.0           | -19.56          | AV       | 237.00         | 150         | Horizontal | Pass    |
| 2   | 2435.400        | 103.98           | -12.74      | 74.0           | 29.98           | Peak     | 197.00         | 150         | Horizontal | N/A     |
| 2** | 2435.400        | 96.89            | -12.74      | 54.0           | 42.89           | AV       | 197.00         | 150         | Horizontal | N/A     |
| 3   | 4557.250        | 49.22            | -2.08       | 74.0           | -24.78          | Peak     | 152.00         | 150         | Horizontal | Pass    |
| 3** | 4557.250        | 40.47            | -2.08       | 54.0           | -13.53          | AV       | 152.00         | 150         | Horizontal | Pass    |
| 4   | 7888.000        | 53.72            | 1.13        | 74.0           | -20.28          | Peak     | 201.00         | 150         | Horizontal | Pass    |
| 4** | 7888.000        | 44.07            | 1.13        | 54.0           | -9.93           | AV       | 201.00         | 150         | Horizontal | Pass    |
| 5   | 12734.000       | 49.55            | -1.91       | 74.0           | -24.45          | Peak     | 154.00         | 150         | Horizontal | Pass    |
| 5** | 12734.000       | 41.59            | -1.91       | 54.0           | -12.41          | AV       | 154.00         | 150         | Horizontal | Pass    |
| 6   | 15113.000       | 53.29            | 1.02        | 74.0           | -20.71          | Peak     | 265.00         | 150         | Horizontal | Pass    |
| 6** | 15113.000       | 43.02            | 1.02        | 54.0           | -10.98          | AV       | 265.00         | 150         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11n20 Channel 6

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1707.800        | 52.58            | -17.36      | 74.0           | -21.42          | Peak     | 278.00         | 150         | Vertical | Pass    |
| 1** | 1707.800        | 32.16            | -17.36      | 54.0           | -21.84          | AV       | 278.00         | 150         | Vertical | Pass    |
| 2   | 2438.200        | 96.00            | -12.72      | 74.0           | 22.00           | Peak     | 140.00         | 150         | Vertical | N/A     |
| 2** | 2438.200        | 88.28            | -12.72      | 54.0           | 34.28           | AV       | 140.00         | 150         | Vertical | N/A     |
| 3   | 6029.000        | 52.03            | -0.70       | 74.0           | -21.97          | Peak     | 83.00          | 150         | Vertical | Pass    |
| 3** | 6029.000        | 41.96            | -0.70       | 54.0           | -12.04          | AV       | 83.00          | 150         | Vertical | Pass    |
| 4   | 7967.500        | 53.26            | 1.19        | 74.0           | -20.74          | Peak     | 83.00          | 150         | Vertical | Pass    |
| 4** | 7967.500        | 43.65            | 1.19        | 54.0           | -10.35          | AV       | 83.00          | 150         | Vertical | Pass    |
| 5   | 11572.500       | 49.57            | -2.72       | 74.0           | -24.43          | Peak     | 231.00         | 150         | Vertical | Pass    |
| 5** | 11572.500       | 40.36            | -2.72       | 54.0           | -13.64          | AV       | 231.00         | 150         | Vertical | Pass    |
| 6   | 15196.000       | 52.31            | 1.47        | 74.0           | -21.69          | Peak     | 82.00          | 150         | Vertical | Pass    |
| 6** | 15196.000       | 43.46            | 1.47        | 54.0           | -10.54          | AV       | 82.00          | 150         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H 802.11n20 Channel 11

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1973.500        | 47.68            | -15.82      | 74.0           | -26.32          | Peak     | 336.00         | 150         | Horizontal | Pass    |
| 1** | 1973.500        | 37.34            | -15.82      | 54.0           | -16.66          | AV       | 336.00         | 150         | Horizontal | Pass    |
| 2   | 2460.900        | 103.06           | -12.98      | 74.0           | 29.06           | Peak     | 211.00         | 150         | Horizontal | N/A     |
| 2** | 2460.900        | 95.76            | -12.98      | 54.0           | 41.76           | AV       | 211.00         | 150         | Horizontal | N/A     |
| 3   | 4556.250        | 49.17            | -2.14       | 74.0           | -24.83          | Peak     | 226.00         | 150         | Horizontal | Pass    |
| 3** | 4556.250        | 39.98            | -2.14       | 54.0           | -14.02          | AV       | 226.00         | 150         | Horizontal | Pass    |
| 4   | 7376.000        | 53.07            | 0.12        | 74.0           | -20.93          | Peak     | 82.00          | 150         | Horizontal | Pass    |
| 4** | 7376.000        | 43.12            | 0.12        | 54.0           | -10.88          | AV       | 82.00          | 150         | Horizontal | Pass    |
| 5   | 12396.000       | 50.22            | -1.81       | 74.0           | -23.78          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 5** | 12396.000       | 41.05            | -1.81       | 54.0           | -12.95          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 6   | 15317.000       | 52.03            | 1.27        | 74.0           | -21.97          | Peak     | 219.00         | 150         | Horizontal | Pass    |
| 6** | 15317.000       | 43.00            | 1.27        | 54.0           | -11.00          | AV       | 219.00         | 150         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11n20 Channel 11

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1741.900        | 54.89            | -17.43      | 74.0           | -19.11          | Peak     | 278.00         | 150         | Vertical | Pass    |
| 1** | 1741.900        | 31.12            | -17.43      | 54.0           | -22.88          | AV       | 278.00         | 150         | Vertical | Pass    |
| 2   | 2460.400        | 93.92            | -12.95      | 74.0           | 19.92           | Peak     | 137.00         | 150         | Vertical | N/A     |
| 2** | 2460.400        | 86.61            | -12.95      | 54.0           | 32.61           | AV       | 137.00         | 150         | Vertical | N/A     |
| 3   | 5266.500        | 51.71            | -2.42       | 74.0           | -22.29          | Peak     | 4.00           | 150         | Vertical | Pass    |
| 3** | 5266.500        | 42.16            | -2.42       | 54.0           | -11.84          | AV       | 4.00           | 150         | Vertical | Pass    |
| 4   | 7463.750        | 53.28            | 0.69        | 74.0           | -20.72          | Peak     | 308.00         | 150         | Vertical | Pass    |
| 4** | 7463.750        | 43.99            | 0.69        | 54.0           | -10.01          | AV       | 308.00         | 150         | Vertical | Pass    |
| 5   | 11541.500       | 49.19            | -2.62       | 74.0           | -24.81          | Peak     | 30.00          | 150         | Vertical | Pass    |
| 5** | 11541.500       | 39.56            | -2.62       | 54.0           | -14.44          | AV       | 30.00          | 150         | Vertical | Pass    |
| 6   | 15312.500       | 52.63            | 1.24        | 74.0           | -21.37          | Peak     | 267.00         | 150         | Vertical | Pass    |
| 6** | 15312.500       | 43.35            | 1.24        | 54.0           | -10.65          | AV       | 267.00         | 150         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H 802.11n40 Channel 3

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1973.000        | 45.25            | -15.84      | 74.0           | -28.75          | Peak     | 232.00         | 150         | Horizontal | Pass    |
| 1** | 1973.000        | 31.10            | -15.84      | 54.0           | -22.90          | AV       | 232.00         | 150         | Horizontal | Pass    |
| 2   | 2420.400        | 100.05           | -12.92      | 74.0           | 26.05           | Peak     | 201.00         | 150         | Horizontal | N/A     |
| 2** | 2420.400        | 92.16            | -12.92      | 54.0           | 38.16           | AV       | 201.00         | 150         | Horizontal | N/A     |
| 3   | 5175.750        | 50.99            | -2.30       | 74.0           | -23.01          | Peak     | 1.00           | 150         | Horizontal | Pass    |
| 3** | 5175.750        | 43.14            | -2.30       | 54.0           | -10.86          | AV       | 1.00           | 150         | Horizontal | Pass    |
| 4   | 7822.500        | 52.88            | 1.11        | 74.0           | -21.12          | Peak     | 106.00         | 150         | Horizontal | Pass    |
| 4** | 7822.500        | 43.05            | 1.11        | 54.0           | -10.95          | AV       | 106.00         | 150         | Horizontal | Pass    |
| 5   | 12401.500       | 49.79            | -1.81       | 74.0           | -24.21          | Peak     | 19.00          | 150         | Horizontal | Pass    |
| 5** | 12401.500       | 40.41            | -1.81       | 54.0           | -13.59          | AV       | 19.00          | 150         | Horizontal | Pass    |
| 6   | 15330.500       | 52.24            | 1.37        | 74.0           | -21.76          | Peak     | 154.00         | 150         | Horizontal | Pass    |
| 6** | 15330.500       | 43.51            | 1.37        | 54.0           | -10.49          | AV       | 154.00         | 150         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11n40 Channel 3

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1707.000        | 56.44            | -17.35      | 74.0           | -17.56          | Peak     | 284.00         | 150         | Vertical | Pass    |
| 1** | 1707.000        | 36.52            | -17.35      | 54.0           | -17.48          | AV       | 284.00         | 150         | Vertical | Pass    |
| 2   | 2414.900        | 91.51            | -13.17      | 74.0           | 17.51           | Peak     | 137.00         | 150         | Vertical | N/A     |
| 2** | 2414.900        | 83.59            | -13.17      | 54.0           | 29.59           | AV       | 137.00         | 150         | Vertical | N/A     |
| 3   | 5294.000        | 51.24            | -2.21       | 74.0           | -22.76          | Peak     | 303.00         | 150         | Vertical | Pass    |
| 3** | 5294.000        | 42.21            | -2.21       | 54.0           | -11.79          | AV       | 303.00         | 150         | Vertical | Pass    |
| 4   | 7912.000        | 53.58            | 0.91        | 74.0           | -20.42          | Peak     | 187.00         | 150         | Vertical | Pass    |
| 4** | 7912.000        | 43.64            | 0.91        | 54.0           | -10.36          | AV       | 187.00         | 150         | Vertical | Pass    |
| 5   | 11750.000       | 49.22            | -3.46       | 74.0           | -24.78          | Peak     | 217.00         | 150         | Vertical | Pass    |
| 5** | 11750.000       | 39.94            | -3.46       | 54.0           | -14.06          | AV       | 217.00         | 150         | Vertical | Pass    |
| 6   | 14598.500       | 52.46            | 2.47        | 74.0           | -21.54          | Peak     | 183.00         | 150         | Vertical | Pass    |
| 6** | 14598.500       | 43.37            | 2.47        | 54.0           | -10.63          | AV       | 183.00         | 150         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H 802.11n40 Channel 6

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1954.800        | 46.53            | -15.98      | 74.0           | -27.47          | Peak     | 153.00         | 150         | Horizontal | Pass    |
| 1** | 1954.800        | 30.36            | -15.98      | 54.0           | -23.64          | AV       | 153.00         | 150         | Horizontal | Pass    |
| 2   | 2438.700        | 99.35            | -12.67      | 74.0           | 25.35           | Peak     | 197.00         | 150         | Horizontal | N/A     |
| 2** | 2438.700        | 92.02            | -12.67      | 54.0           | 38.02           | AV       | 197.00         | 150         | Horizontal | N/A     |
| 3   | 5206.250        | 51.32            | -1.70       | 74.0           | -22.68          | Peak     | 301.00         | 150         | Horizontal | Pass    |
| 3** | 5206.250        | 41.93            | -1.70       | 54.0           | -12.07          | AV       | 301.00         | 150         | Horizontal | Pass    |
| 4   | 7862.500        | 53.57            | 0.37        | 74.0           | -20.43          | Peak     | 115.00         | 150         | Horizontal | Pass    |
| 4** | 7862.500        | 43.26            | 0.37        | 54.0           | -10.74          | AV       | 115.00         | 150         | Horizontal | Pass    |
| 5   | 12146.500       | 49.55            | -1.96       | 74.0           | -24.45          | Peak     | 195.00         | 150         | Horizontal | Pass    |
| 5** | 12146.500       | 40.76            | -1.96       | 54.0           | -13.24          | AV       | 195.00         | 150         | Horizontal | Pass    |
| 6   | 14848.000       | 52.03            | 1.67        | 74.0           | -21.97          | Peak     | 353.00         | 150         | Horizontal | Pass    |
| 6** | 14848.000       | 43.11            | 1.67        | 54.0           | -10.89          | AV       | 353.00         | 150         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11n40h Channel 6

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1700.400        | 53.77            | -17.18      | 74.0           | -20.23          | Peak     | 293.00         | 150         | Vertical | Pass    |
| 1** | 1700.400        | 36.88            | -17.18      | 54.0           | -17.12          | AV       | 293.00         | 150         | Vertical | Pass    |
| 2   | 2435.200        | 91.64            | -12.74      | 74.0           | 17.64           | Peak     | 142.00         | 150         | Vertical | N/A     |
| 2** | 2435.200        | 84.26            | -12.74      | 54.0           | 30.26           | AV       | 142.00         | 150         | Vertical | N/A     |
| 3   | 5242.750        | 50.84            | -2.58       | 74.0           | -23.16          | Peak     | 99.00          | 150         | Vertical | Pass    |
| 3** | 5242.750        | 41.77            | -2.58       | 54.0           | -12.23          | AV       | 99.00          | 150         | Vertical | Pass    |
| 4   | 7898.500        | 53.60            | 1.37        | 74.0           | -20.40          | Peak     | 154.00         | 150         | Vertical | Pass    |
| 4** | 7898.500        | 43.80            | 1.37        | 54.0           | -10.20          | AV       | 154.00         | 150         | Vertical | Pass    |
| 5   | 11998.000       | 50.48            | -2.50       | 74.0           | -23.52          | Peak     | 348.00         | 150         | Vertical | Pass    |
| 5** | 11998.000       | 40.31            | -2.50       | 54.0           | -13.69          | AV       | 348.00         | 150         | Vertical | Pass    |
| 6   | 16477.000       | 52.26            | 1.75        | 74.0           | -21.74          | Peak     | 221.00         | 150         | Vertical | Pass    |
| 6** | 16477.000       | 43.72            | 1.75        | 54.0           | -10.28          | AV       | 221.00         | 150         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H 802.11n40 Channel 9

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1744.200        | 47.00            | -17.61      | 74.0           | -27.00          | Peak     | 137.00         | 150         | Horizontal | Pass    |
| 1** | 1744.200        | 29.25            | -17.61      | 54.0           | -24.75          | AV       | 137.00         | 150         | Horizontal | Pass    |
| 2   | 2450.500        | 100.02           | -12.62      | 74.0           | 26.02           | Peak     | 204.00         | 150         | Horizontal | N/A     |
| 2** | 2450.500        | 92.55            | -12.62      | 54.0           | 38.55           | AV       | 204.00         | 150         | Horizontal | N/A     |
| 3   | 5269.250        | 51.65            | -2.50       | 74.0           | -22.35          | Peak     | 285.00         | 150         | Horizontal | Pass    |
| 3** | 5269.250        | 41.68            | -2.50       | 54.0           | -12.32          | AV       | 285.00         | 150         | Horizontal | Pass    |
| 4   | 7965.750        | 52.82            | 1.30        | 74.0           | -21.18          | Peak     | 300.00         | 150         | Horizontal | Pass    |
| 4** | 7965.750        | 44.16            | 1.30        | 54.0           | -9.84           | AV       | 300.00         | 150         | Horizontal | Pass    |
| 5   | 12131.000       | 49.86            | -2.18       | 74.0           | -24.14          | Peak     | 161.00         | 150         | Horizontal | Pass    |
| 5** | 12131.000       | 39.97            | -2.18       | 54.0           | -14.03          | AV       | 161.00         | 150         | Horizontal | Pass    |
| 6   | 15305.000       | 52.79            | 1.18        | 74.0           | -21.21          | Peak     | 138.00         | 150         | Horizontal | Pass    |
| 6** | 15305.000       | 42.75            | 1.18        | 54.0           | -11.25          | AV       | 138.00         | 150         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11n40h Channel 9

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1699.200        | 56.68            | -17.19      | 74.0           | -17.32          | Peak     | 283.00         | 150         | Vertical | Pass    |
| 1** | 1699.200        | 30.08            | -17.19      | 54.0           | -23.92          | AV       | 283.00         | 150         | Vertical | Pass    |
| 2   | 2450.200        | 91.99            | -12.59      | 74.0           | 17.99           | Peak     | 134.00         | 150         | Vertical | N/A     |
| 2** | 2450.200        | 84.18            | -12.59      | 54.0           | 30.18           | AV       | 134.00         | 150         | Vertical | N/A     |
| 3   | 5288.750        | 52.02            | -2.16       | 74.0           | -21.98          | Peak     | 276.00         | 150         | Vertical | Pass    |
| 3** | 5288.750        | 42.00            | -2.16       | 54.0           | -12.00          | AV       | 276.00         | 150         | Vertical | Pass    |
| 4   | 7458.750        | 53.59            | 0.26        | 74.0           | -20.41          | Peak     | 60.00          | 150         | Vertical | Pass    |
| 4** | 7458.750        | 43.70            | 0.26        | 54.0           | -10.30          | AV       | 60.00          | 150         | Vertical | Pass    |
| 5   | 11978.000       | 49.39            | -3.34       | 74.0           | -24.61          | Peak     | 184.00         | 150         | Vertical | Pass    |
| 5** | 11978.000       | 39.66            | -3.34       | 54.0           | -14.34          | AV       | 184.00         | 150         | Vertical | Pass    |
| 6   | 15202.000       | 52.61            | 1.49        | 74.0           | -21.39          | Peak     | 196.00         | 150         | Vertical | Pass    |
| 6** | 15202.000       | 43.87            | 1.49        | 54.0           | -10.13          | AV       | 196.00         | 150         | Vertical | Pass    |

# MIMO

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1746.700        | 46.81            | -16.91      | 74.0           | -27.19          | Peak     | 188.00         | 150         | Horizontal | Pass    |
| 1** | 1746.700        | 33.90            | -16.91      | 54.0           | -20.10          | AV       | 188.00         | 150         | Horizontal | Pass    |
| 2   | 2410.000        | 94.51            | -12.36      | 74.0           | 20.51           | Peak     | 287.00         | 150         | Horizontal | N/A     |
| 2** | 2410.000        | 91.68            | -12.36      | 54.0           | 37.68           | AV       | 287.00         | 150         | Horizontal | N/A     |
| 3   | 4824.250        | 49.69            | -3.20       | 74.0           | -24.31          | Peak     | 261.00         | 150         | Horizontal | Pass    |
| 3** | 4824.250        | 48.57            | -3.20       | 54.0           | -5.43           | AV       | 261.00         | 150         | Horizontal | Pass    |
| 4   | 7479.000        | 49.90            | 0.74        | 74.0           | -24.10          | Peak     | 60.00          | 150         | Horizontal | Pass    |
| 4** | 7479.000        | 41.64            | 0.74        | 54.0           | -12.36          | AV       | 60.00          | 150         | Horizontal | Pass    |
| 5   | 9083.475        | 46.71            | -5.20       | 74.0           | -27.29          | Peak     | 170.00         | 150         | Horizontal | Pass    |
| 5** | 9083.475        | 35.70            | -5.20       | 54.0           | -18.30          | AV       | 170.00         | 150         | Horizontal | Pass    |
| 6   | 12179.287       | 48.24            | -3.05       | 74.0           | -25.76          | Peak     | 225.00         | 150         | Horizontal | Pass    |
| 6** | 12179.287       | 36.81            | -3.05       | 54.0           | -17.19          | AV       | 225.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1436.800        | 52.85            | -17.04      | 74.0           | -21.15          | Peak     | 203.00         | 150         | Vertical | Pass    |
| 1** | 1436.800        | 30.67            | -17.04      | 54.0           | -23.33          | AV       | 203.00         | 150         | Vertical | Pass    |
| 2   | 2413.200        | 92.36            | -12.29      | 74.0           | 18.36           | Peak     | 116.00         | 150         | Vertical | N/A     |
| 2** | 2413.200        | 89.33            | -12.29      | 54.0           | 35.33           | AV       | 116.00         | 150         | Vertical | N/A     |
| 3   | 4824.250        | 48.67            | -3.20       | 74.0           | -25.33          | Peak     | 276.00         | 150         | Vertical | Pass    |
| 3** | 4824.250        | 46.64            | -3.20       | 54.0           | -7.36           | AV       | 276.00         | 150         | Vertical | Pass    |
| 4   | 7475.250        | 49.93            | 0.69        | 74.0           | -24.07          | Peak     | 5.00           | 150         | Vertical | Pass    |
| 4** | 7475.250        | 42.06            | 0.69        | 54.0           | -11.94          | AV       | 5.00           | 150         | Vertical | Pass    |
| 5   | 9000.350        | 44.72            | -5.05       | 74.0           | -29.28          | Peak     | 182.00         | 150         | Vertical | Pass    |
| 5** | 9000.350        | 41.16            | -5.05       | 54.0           | -12.84          | AV       | 182.00         | 150         | Vertical | Pass    |
| 6   | 12300.174       | 47.64            | -2.44       | 74.0           | -26.36          | Peak     | 279.00         | 150         | Vertical | Pass    |
| 6** | 12300.174       | 37.75            | -2.44       | 54.0           | -16.25          | AV       | 279.00         | 150         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H 802.11b Channel 6

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1992.800        | 45.87            | -15.45      | 74.0           | -28.13          | Peak     | 188.00         | 150         | Horizontal | Pass    |
| 1** | 1992.800        | 29.77            | -15.45      | 54.0           | -24.23          | AV       | 188.00         | 150         | Horizontal | Pass    |
| 2   | 2435.200        | 94.42            | -12.30      | 74.0           | 20.42           | Peak     | 270.00         | 150         | Horizontal | N/A     |
| 2** | 2435.200        | 91.45            | -12.30      | 54.0           | 37.45           | AV       | 270.00         | 150         | Horizontal | N/A     |
| 3   | 4874.250        | 51.07            | -3.44       | 74.0           | -22.93          | Peak     | 149.00         | 150         | Horizontal | Pass    |
| 3** | 4874.250        | 49.73            | -3.44       | 54.0           | -4.27           | AV       | 149.00         | 150         | Horizontal | Pass    |
| 4   | 7286.750        | 50.61            | -0.35       | 74.0           | -23.39          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 4** | 7286.750        | 39.50            | -0.35       | 54.0           | -14.50          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 5   | 8968.526        | 46.29            | -4.69       | 74.0           | -27.71          | Peak     | 66.00          | 150         | Horizontal | Pass    |
| 5** | 8968.526        | 36.37            | -4.69       | 54.0           | -17.63          | AV       | 66.00          | 150         | Horizontal | Pass    |
| 6   | 11806.175       | 47.32            | -3.49       | 74.0           | -26.68          | Peak     | 22.00          | 150         | Horizontal | Pass    |
| 6** | 11806.175       | 36.22            | -3.49       | 54.0           | -17.78          | AV       | 22.00          | 150         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11b Channel 6

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1700.500        | 52.01            | -17.25      | 74.0           | -21.99          | Peak     | 187.00         | 150         | Vertical | Pass    |
| 1** | 1700.500        | 30.95            | -17.25      | 54.0           | -23.05          | AV       | 187.00         | 150         | Vertical | Pass    |
| 2   | 2438.300        | 91.57            | -12.66      | 74.0           | 17.57           | Peak     | 73.00          | 150         | Vertical | N/A     |
| 2** | 2438.300        | 88.66            | -12.66      | 54.0           | 34.66           | AV       | 73.00          | 150         | Vertical | N/A     |
| 3   | 4874.250        | 50.10            | -3.44       | 74.0           | -23.90          | Peak     | 237.00         | 150         | Vertical | Pass    |
| 3** | 4874.250        | 46.92            | -3.44       | 54.0           | -7.08           | AV       | 237.00         | 150         | Vertical | Pass    |
| 4   | 7485.750        | 49.81            | 1.08        | 74.0           | -24.19          | Peak     | 212.00         | 150         | Vertical | Pass    |
| 4** | 7485.750        | 41.13            | 1.08        | 54.0           | -12.87          | AV       | 212.00         | 150         | Vertical | Pass    |
| 5   | 9000.350        | 45.52            | -5.05       | 74.0           | -28.48          | Peak     | 185.00         | 150         | Vertical | Pass    |
| 5** | 9000.350        | 40.35            | -5.05       | 54.0           | -13.65          | AV       | 185.00         | 150         | Vertical | Pass    |
| 6   | 11831.588       | 46.71            | -3.33       | 74.0           | -27.29          | Peak     | 298.00         | 150         | Vertical | Pass    |
| 6** | 11831.588       | 37.41            | -3.33       | 54.0           | -16.59          | AV       | 298.00         | 150         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H 802.11b Channel 11

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1362.300        | 40.42            | -17.18      | 74.0           | -33.58          | Peak     | 232.00         | 150         | Horizontal | Pass    |
| 1** | 1362.300        | 25.19            | -17.18      | 54.0           | -28.81          | AV       | 232.00         | 150         | Horizontal | Pass    |
| 2   | 2464.800        | 94.01            | -12.74      | 74.0           | 20.01           | Peak     | 133.00         | 150         | Horizontal | N/A     |
| 2** | 2464.800        | 91.01            | -12.74      | 54.0           | 37.01           | AV       | 133.00         | 150         | Horizontal | N/A     |
| 3   | 4924.500        | 50.45            | -3.51       | 74.0           | -23.55          | Peak     | 118.00         | 150         | Horizontal | Pass    |
| 3** | 4924.500        | 49.77            | -3.51       | 54.0           | -4.23           | AV       | 118.00         | 150         | Horizontal | Pass    |
| 4   | 7809.750        | 50.44            | 0.18        | 74.0           | -23.56          | Peak     | 348.00         | 150         | Horizontal | Pass    |
| 4** | 7809.750        | 40.46            | 0.18        | 54.0           | -13.54          | AV       | 348.00         | 150         | Horizontal | Pass    |
| 5   | 8558.838        | 46.01            | -4.48       | 74.0           | -27.99          | Peak     | 247.00         | 150         | Horizontal | Pass    |
| 5** | 8558.838        | 36.88            | -4.48       | 54.0           | -17.12          | AV       | 247.00         | 150         | Horizontal | Pass    |
| 6   | 11813.537       | 46.81            | -3.45       | 74.0           | -27.19          | Peak     | 289.00         | 150         | Horizontal | Pass    |
| 6** | 11813.537       | 37.01            | -3.45       | 54.0           | -16.99          | AV       | 289.00         | 150         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11b Channel 11

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1697.200        | 52.45            | -17.19      | 74.0           | -21.55          | Peak     | 194.00         | 150         | Vertical | Pass    |
| 1** | 1697.200        | 32.54            | -17.19      | 54.0           | -21.46          | AV       | 194.00         | 150         | Vertical | Pass    |
| 2   | 2464.500        | 91.94            | -12.76      | 74.0           | 17.94           | Peak     | 282.00         | 150         | Vertical | N/A     |
| 2** | 2464.500        | 89.13            | -12.76      | 54.0           | 35.13           | AV       | 282.00         | 150         | Vertical | N/A     |
| 3   | 6000.000        | 51.17            | -1.84       | 74.0           | -22.83          | Peak     | 142.00         | 150         | Vertical | Pass    |
| 3** | 6000.000        | 48.04            | -1.84       | 54.0           | -5.96           | AV       | 142.00         | 150         | Vertical | Pass    |
| 4   | 7476.750        | 50.12            | 0.66        | 74.0           | -23.88          | Peak     | 352.00         | 150         | Vertical | Pass    |
| 4** | 7476.750        | 41.36            | 0.66        | 54.0           | -12.64          | AV       | 352.00         | 150         | Vertical | Pass    |
| 5   | 8916.037        | 45.69            | -4.54       | 74.0           | -28.31          | Peak     | 210.00         | 150         | Vertical | Pass    |
| 5** | 8916.037        | 36.38            | -4.54       | 54.0           | -17.62          | AV       | 210.00         | 150         | Vertical | Pass    |
| 6   | 12297.562       | 47.25            | -2.46       | 74.0           | -26.75          | Peak     | 358.00         | 150         | Vertical | Pass    |
| 6** | 12297.562       | 37.50            | -2.46       | 54.0           | -16.50          | AV       | 358.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1962.100        | 45.82            | -15.98      | 74.0           | -28.18          | Peak     | 229.00         | 150         | Horizontal | Pass    |
| 1** | 1962.100        | 29.95            | -15.98      | 54.0           | -24.05          | AV       | 229.00         | 150         | Horizontal | Pass    |
| 2   | 2413.100        | 103.89           | -13.23      | 74.0           | 29.89           | Peak     | 9.00           | 150         | Horizontal | N/A     |
| 2** | 2413.100        | 96.62            | -13.23      | 54.0           | 42.62           | AV       | 9.00           | 150         | Horizontal | N/A     |
| 3   | 4348.750        | 48.51            | -3.36       | 74.0           | -25.49          | Peak     | 26.00          | 150         | Horizontal | Pass    |
| 3** | 4348.750        | 38.11            | -3.36       | 54.0           | -15.89          | AV       | 26.00          | 150         | Horizontal | Pass    |
| 4   | 7253.750        | 53.47            | 0.03        | 74.0           | -20.53          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 4** | 7253.750        | 43.34            | 0.03        | 54.0           | -10.66          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 5   | 12759.000       | 50.40            | -1.81       | 74.0           | -23.60          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 5** | 12759.000       | 40.13            | -1.81       | 54.0           | -13.87          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 6   | 14855.500       | 51.84            | 1.57        | 74.0           | -22.16          | Peak     | 143.00         | 150         | Horizontal | Pass    |
| 6** | 14855.500       | 43.51            | 1.57        | 54.0           | -10.49          | AV       | 143.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 2077.100        | 50.66            | -14.41      | 74.0           | -23.34          | Peak     | 257.00         | 150         | Vertical | Pass    |
| 1** | 2077.100        | 31.31            | -14.41      | 54.0           | -22.69          | AV       | 257.00         | 150         | Vertical | Pass    |
| 2   | 2410.800        | 95.81            | -13.27      | 74.0           | 21.81           | Peak     | 276.00         | 150         | Vertical | N/A     |
| 2** | 2410.800        | 89.29            | -13.27      | 54.0           | 35.29           | AV       | 276.00         | 150         | Vertical | N/A     |
| 3   | 4821.500        | 51.08            | -2.76       | 74.0           | -22.92          | Peak     | 225.00         | 150         | Vertical | Pass    |
| 3** | 4821.500        | 42.71            | -2.76       | 54.0           | -11.29          | AV       | 225.00         | 150         | Vertical | Pass    |
| 4   | 7776.000        | 53.51            | 0.96        | 74.0           | -20.49          | Peak     | 19.00          | 150         | Vertical | Pass    |
| 4** | 7776.000        | 44.30            | 0.96        | 54.0           | -9.70           | AV       | 19.00          | 150         | Vertical | Pass    |
| 5   | 11384.001       | 49.34            | -2.65       | 74.0           | -24.66          | Peak     | 169.00         | 150         | Vertical | Pass    |
| 5** | 11384.001       | 40.10            | -2.65       | 54.0           | -13.90          | AV       | 169.00         | 150         | Vertical | Pass    |
| 6   | 15305.000       | 52.78            | 1.18        | 74.0           | -21.22          | Peak     | 78.00          | 150         | Vertical | Pass    |
| 6** | 15305.000       | 42.59            | 1.18        | 54.0           | -11.41          | AV       | 78.00          | 150         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H 802.11g Channel 6

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1952.500        | 45.79            | -15.89      | 74.0           | -28.21          | Peak     | 333.00         | 150         | Horizontal | Pass    |
| 1** | 1952.500        | 29.31            | -15.89      | 54.0           | -24.69          | AV       | 333.00         | 150         | Horizontal | Pass    |
| 2   | 2434.900        | 104.37           | -12.75      | 74.0           | 30.37           | Peak     | 216.00         | 150         | Horizontal | N/A     |
| 2** | 2434.900        | 97.13            | -12.75      | 54.0           | 43.13           | AV       | 216.00         | 150         | Horizontal | N/A     |
| 3   | 4873.250        | 52.94            | -2.81       | 74.0           | -21.06          | Peak     | 254.00         | 150         | Horizontal | Pass    |
| 3** | 4873.250        | 45.00            | -2.81       | 54.0           | -9.00           | AV       | 254.00         | 150         | Horizontal | Pass    |
| 4   | 6891.500        | 52.63            | 0.20        | 74.0           | -21.37          | Peak     | 60.00          | 150         | Horizontal | Pass    |
| 4** | 6891.500        | 44.60            | 0.20        | 54.0           | -9.40           | AV       | 60.00          | 150         | Horizontal | Pass    |
| 5   | 10795.000       | 49.23            | -2.56       | 74.0           | -24.77          | Peak     | 355.00         | 150         | Horizontal | Pass    |
| 5** | 10795.000       | 39.52            | -2.56       | 54.0           | -14.48          | AV       | 355.00         | 150         | Horizontal | Pass    |
| 6   | 15335.000       | 52.65            | 1.40        | 74.0           | -21.35          | Peak     | 308.00         | 150         | Horizontal | Pass    |
| 6** | 15335.000       | 42.62            | 1.40        | 54.0           | -11.38          | AV       | 308.00         | 150         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11g Channel 6

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1660.800        | 53.98            | -17.82      | 74.0           | -20.02          | Peak     | 290.00         | 150         | Vertical | Pass    |
| 1** | 1660.800        | 35.39            | -17.82      | 54.0           | -18.61          | AV       | 290.00         | 150         | Vertical | Pass    |
| 2   | 2435.600        | 96.23            | -12.75      | 74.0           | 22.23           | Peak     | 341.00         | 150         | Vertical | N/A     |
| 2** | 2435.600        | 89.15            | -12.75      | 54.0           | 35.15           | AV       | 341.00         | 150         | Vertical | N/A     |
| 3   | 4873.000        | 50.20            | -2.80       | 74.0           | -23.80          | Peak     | 123.00         | 150         | Vertical | Pass    |
| 3** | 4873.000        | 43.60            | -2.80       | 54.0           | -10.40          | AV       | 123.00         | 150         | Vertical | Pass    |
| 4   | 7971.250        | 53.05            | 1.12        | 74.0           | -20.95          | Peak     | 114.00         | 150         | Vertical | Pass    |
| 4** | 7971.250        | 44.06            | 1.12        | 54.0           | -9.94           | AV       | 114.00         | 150         | Vertical | Pass    |
| 5   | 11551.000       | 50.42            | -2.33       | 74.0           | -23.58          | Peak     | 254.00         | 150         | Vertical | Pass    |
| 5** | 11551.000       | 39.91            | -2.33       | 54.0           | -14.09          | AV       | 254.00         | 150         | Vertical | Pass    |
| 6   | 16344.001       | 52.39            | 1.50        | 74.0           | -21.61          | Peak     | 7.00           | 150         | Vertical | Pass    |
| 6** | 16344.001       | 41.88            | 1.50        | 54.0           | -12.12          | AV       | 7.00           | 150         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H 802.11g Channel 11

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1706.000        | 46.99            | -17.29      | 74.0           | -27.01          | Peak     | 252.00         | 150         | Horizontal | Pass    |
| 1** | 1706.000        | 33.81            | -17.29      | 54.0           | -20.19          | AV       | 252.00         | 150         | Horizontal | Pass    |
| 2   | 2461.500        | 103.27           | -12.95      | 74.0           | 29.27           | Peak     | 202.00         | 150         | Horizontal | N/A     |
| 2** | 2461.500        | 97.83            | -12.95      | 54.0           | 43.83           | AV       | 202.00         | 150         | Horizontal | N/A     |
| 3   | 4921.000        | 53.08            | -1.91       | 74.0           | -20.92          | Peak     | 221.00         | 150         | Horizontal | Pass    |
| 3** | 4921.000        | 43.48            | -1.91       | 54.0           | -10.52          | AV       | 221.00         | 150         | Horizontal | Pass    |
| 4   | 7901.500        | 53.26            | 1.12        | 74.0           | -20.74          | Peak     | 108.00         | 150         | Horizontal | Pass    |
| 4** | 7901.500        | 43.31            | 1.12        | 54.0           | -10.69          | AV       | 108.00         | 150         | Horizontal | Pass    |
| 5   | 12149.000       | 49.75            | -1.92       | 74.0           | -24.25          | Peak     | 187.00         | 150         | Horizontal | Pass    |
| 5** | 12149.000       | 40.75            | -1.92       | 54.0           | -13.25          | AV       | 187.00         | 150         | Horizontal | Pass    |
| 6   | 15305.500       | 52.15            | 1.19        | 74.0           | -21.85          | Peak     | 131.00         | 150         | Horizontal | Pass    |
| 6** | 15305.500       | 42.85            | 1.19        | 54.0           | -11.15          | AV       | 131.00         | 150         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11g Channel 11

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1723.900        | 51.67            | -17.64      | 74.0           | -22.33          | Peak     | 277.00         | 150         | Vertical | Pass    |
| 1** | 1723.900        | 32.17            | -17.64      | 54.0           | -21.83          | AV       | 277.00         | 150         | Vertical | Pass    |
| 2   | 2463.200        | 95.32            | -12.89      | 74.0           | 21.32           | Peak     | 337.00         | 150         | Vertical | N/A     |
| 2** | 2463.200        | 88.81            | -12.89      | 54.0           | 34.81           | AV       | 337.00         | 150         | Vertical | N/A     |
| 3   | 4922.500        | 50.95            | -1.84       | 74.0           | -23.05          | Peak     | 235.00         | 150         | Vertical | Pass    |
| 3** | 4922.500        | 43.00            | -1.84       | 54.0           | -11.00          | AV       | 235.00         | 150         | Vertical | Pass    |
| 4   | 7488.250        | 53.52            | 0.45        | 74.0           | -20.48          | Peak     | 2.00           | 150         | Vertical | Pass    |
| 4** | 7488.250        | 43.55            | 0.45        | 54.0           | -10.45          | AV       | 2.00           | 150         | Vertical | Pass    |
| 5   | 12398.000       | 50.22            | -1.78       | 74.0           | -23.78          | Peak     | 227.00         | 150         | Vertical | Pass    |
| 5** | 12398.000       | 40.52            | -1.78       | 54.0           | -13.48          | AV       | 227.00         | 150         | Vertical | Pass    |
| 6   | 15116.000       | 52.02            | 0.97        | 74.0           | -21.98          | Peak     | 227.00         | 150         | Vertical | Pass    |
| 6** | 15116.000       | 42.70            | 0.97        | 54.0           | -11.30          | AV       | 227.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 2081.000        | 43.47            | -14.44      | 74.0           | -30.53          | Peak     | 246.00         | 150         | Horizontal | Pass    |
| 1** | 2081.000        | 32.69            | -14.44      | 54.0           | -21.31          | AV       | 246.00         | 150         | Horizontal | Pass    |
| 2   | 2410.600        | 103.56           | -13.29      | 74.0           | 29.56           | Peak     | 215.00         | 150         | Horizontal | N/A     |
| 2** | 2410.600        | 96.89            | -13.29      | 54.0           | 42.89           | AV       | 215.00         | 150         | Horizontal | N/A     |
| 3   | 4818.250        | 52.67            | -2.85       | 74.0           | -21.33          | Peak     | 93.00          | 150         | Horizontal | Pass    |
| 3** | 4818.250        | 45.57            | -2.85       | 54.0           | -8.43           | AV       | 93.00          | 150         | Horizontal | Pass    |
| 4   | 7516.500        | 53.31            | 0.10        | 74.0           | -20.69          | Peak     | 44.00          | 150         | Horizontal | Pass    |
| 4** | 7516.500        | 43.67            | 0.10        | 54.0           | -10.33          | AV       | 44.00          | 150         | Horizontal | Pass    |
| 5   | 11570.000       | 49.73            | -2.67       | 74.0           | -24.27          | Peak     | 108.00         | 150         | Horizontal | Pass    |
| 5** | 11570.000       | 40.11            | -2.67       | 54.0           | -13.89          | AV       | 108.00         | 150         | Horizontal | Pass    |
| 6   | 15335.500       | 52.92            | 1.41        | 74.0           | -21.08          | Peak     | 208.00         | 150         | Horizontal | Pass    |
| 6** | 15335.500       | 43.90            | 1.41        | 54.0           | -10.10          | AV       | 208.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1679.300        | 53.71            | -17.58      | 74.0           | -20.29          | Peak     | 291.00         | 150         | Vertical | Pass    |
| 1** | 1679.300        | 41.38            | -17.58      | 54.0           | -12.62          | AV       | 291.00         | 150         | Vertical | Pass    |
| 2   | 2412.900        | 95.29            | -13.22      | 74.0           | 21.29           | Peak     | 276.00         | 150         | Vertical | N/A     |
| 2** | 2412.900        | 88.39            | -13.22      | 54.0           | 34.39           | AV       | 276.00         | 150         | Vertical | N/A     |
| 3   | 4826.000        | 49.80            | -2.54       | 74.0           | -24.20          | Peak     | 63.00          | 150         | Vertical | Pass    |
| 3** | 4826.000        | 43.19            | -2.54       | 54.0           | -10.81          | AV       | 63.00          | 150         | Vertical | Pass    |
| 4   | 7471.000        | 53.04            | 0.97        | 74.0           | -20.96          | Peak     | 278.00         | 150         | Vertical | Pass    |
| 4** | 7471.000        | 44.00            | 0.97        | 54.0           | -10.00          | AV       | 278.00         | 150         | Vertical | Pass    |
| 5   | 12149.500       | 49.01            | -1.92       | 74.0           | -24.99          | Peak     | 186.00         | 150         | Vertical | Pass    |
| 5** | 12149.500       | 41.37            | -1.92       | 54.0           | -12.63          | AV       | 186.00         | 150         | Vertical | Pass    |
| 6   | 15351.000       | 53.38            | 1.47        | 74.0           | -20.62          | Peak     | 199.00         | 150         | Vertical | Pass    |
| 6** | 15351.000       | 42.76            | 1.47        | 54.0           | -11.24          | AV       | 199.00         | 150         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H 802.11n20 Channel 6

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1956.900        | 46.74            | -15.80      | 74.0           | -27.26          | Peak     | 152.00         | 150         | Horizontal | Pass    |
| 1** | 1956.900        | 30.41            | -15.80      | 54.0           | -23.59          | AV       | 152.00         | 150         | Horizontal | Pass    |
| 2   | 2436.100        | 104.52           | -12.75      | 74.0           | 30.52           | Peak     | 300.00         | 150         | Horizontal | N/A     |
| 2** | 2436.100        | 97.03            | -12.75      | 54.0           | 43.03           | AV       | 300.00         | 150         | Horizontal | N/A     |
| 3   | 4875.750        | 52.36            | -2.82       | 74.0           | -21.64          | Peak     | 331.00         | 150         | Horizontal | Pass    |
| 3** | 4875.750        | 43.28            | -2.82       | 54.0           | -10.72          | AV       | 331.00         | 150         | Horizontal | Pass    |
| 4   | 7267.250        | 53.20            | 0.12        | 74.0           | -20.80          | Peak     | 219.00         | 150         | Horizontal | Pass    |
| 4** | 7267.250        | 42.63            | 0.12        | 54.0           | -11.37          | AV       | 219.00         | 150         | Horizontal | Pass    |
| 5   | 9303.000        | 50.03            | -1.00       | 74.0           | -23.97          | Peak     | 198.00         | 150         | Horizontal | Pass    |
| 5** | 9303.000        | 40.59            | -1.00       | 54.0           | -13.41          | AV       | 198.00         | 150         | Horizontal | Pass    |
| 6   | 15357.500       | 52.26            | 1.18        | 74.0           | -21.74          | Peak     | 7.00           | 150         | Horizontal | Pass    |
| 6** | 15357.500       | 43.07            | 1.18        | 54.0           | -10.93          | AV       | 7.00           | 150         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11n20 Channel 6

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1678.500        | 51.57            | -17.62      | 74.0           | -22.43          | Peak     | 110.00         | 150         | Vertical | Pass    |
| 1** | 1678.500        | 32.23            | -17.62      | 54.0           | -21.77          | AV       | 110.00         | 150         | Vertical | Pass    |
| 2   | 2434.700        | 94.51            | -12.76      | 74.0           | 20.51           | Peak     | 224.00         | 150         | Vertical | N/A     |
| 2** | 2434.700        | 87.58            | -12.76      | 54.0           | 33.58           | AV       | 224.00         | 150         | Vertical | N/A     |
| 3   | 4876.000        | 50.63            | -2.80       | 74.0           | -23.37          | Peak     | 209.00         | 150         | Vertical | Pass    |
| 3** | 4876.000        | 43.06            | -2.80       | 54.0           | -10.94          | AV       | 209.00         | 150         | Vertical | Pass    |
| 4   | 7289.250        | 53.20            | -0.46       | 74.0           | -20.80          | Peak     | 185.00         | 150         | Vertical | Pass    |
| 4** | 7289.250        | 43.64            | -0.46       | 54.0           | -10.36          | AV       | 185.00         | 150         | Vertical | Pass    |
| 5   | 9297.500        | 49.04            | -0.98       | 74.0           | -24.96          | Peak     | 165.00         | 150         | Vertical | Pass    |
| 5** | 9297.500        | 41.86            | -0.98       | 54.0           | -12.14          | AV       | 165.00         | 150         | Vertical | Pass    |
| 6   | 15308.000       | 52.25            | 1.20        | 74.0           | -21.75          | Peak     | 109.00         | 150         | Vertical | Pass    |
| 6** | 15308.000       | 43.04            | 1.20        | 54.0           | -10.96          | AV       | 109.00         | 150         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H 802.11n20 Channel 11

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1912.300        | 47.49            | -16.34      | 74.0           | -26.51          | Peak     | 58.00          | 150         | Horizontal | Pass    |
| 1** | 1912.300        | 31.73            | -16.34      | 54.0           | -22.27          | AV       | 58.00          | 150         | Horizontal | Pass    |
| 2   | 2460.000        | 103.87           | -12.91      | 74.0           | 29.87           | Peak     | 307.00         | 150         | Horizontal | N/A     |
| 2** | 2460.000        | 96.65            | -12.91      | 54.0           | 42.65           | AV       | 307.00         | 150         | Horizontal | N/A     |
| 3   | 4923.000        | 52.95            | -1.81       | 74.0           | -21.05          | Peak     | 356.00         | 150         | Horizontal | Pass    |
| 3** | 4923.000        | 45.38            | -1.81       | 54.0           | -8.62           | AV       | 356.00         | 150         | Horizontal | Pass    |
| 4   | 7529.500        | 52.80            | 0.20        | 74.0           | -21.20          | Peak     | 131.00         | 150         | Horizontal | Pass    |
| 4** | 7529.500        | 43.50            | 0.20        | 54.0           | -10.50          | AV       | 131.00         | 150         | Horizontal | Pass    |
| 5   | 9287.500        | 49.73            | -1.61       | 74.0           | -24.27          | Peak     | 220.00         | 150         | Horizontal | Pass    |
| 5** | 9287.500        | 40.61            | -1.61       | 54.0           | -13.39          | AV       | 220.00         | 150         | Horizontal | Pass    |
| 6   | 15357.500       | 52.72            | 1.18        | 74.0           | -21.28          | Peak     | 119.00         | 150         | Horizontal | Pass    |
| 6** | 15357.500       | 44.07            | 1.18        | 54.0           | -9.93           | AV       | 119.00         | 150         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11n20 Channel 11

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1707.700        | 55.03            | -17.36      | 74.0           | -18.97          | Peak     | 105.00         | 150         | Vertical | Pass    |
| 1** | 1707.700        | 34.44            | -17.36      | 54.0           | -19.56          | AV       | 105.00         | 150         | Vertical | Pass    |
| 2   | 2461.200        | 95.49            | -12.97      | 74.0           | 21.49           | Peak     | 233.00         | 150         | Vertical | N/A     |
| 2** | 2461.200        | 86.67            | -12.97      | 54.0           | 32.67           | AV       | 233.00         | 150         | Vertical | N/A     |
| 3   | 4920.500        | 51.70            | -1.91       | 74.0           | -22.30          | Peak     | 206.00         | 150         | Vertical | Pass    |
| 3** | 4920.500        | 42.69            | -1.91       | 54.0           | -11.31          | AV       | 206.00         | 150         | Vertical | Pass    |
| 4   | 7400.000        | 53.31            | 0.04        | 74.0           | -20.69          | Peak     | 198.00         | 150         | Vertical | Pass    |
| 4** | 7400.000        | 43.68            | 0.04        | 54.0           | -10.32          | AV       | 198.00         | 150         | Vertical | Pass    |
| 5   | 9156.000        | 48.71            | -3.02       | 74.0           | -25.29          | Peak     | 219.00         | 150         | Vertical | Pass    |
| 5** | 9156.000        | 39.10            | -3.02       | 54.0           | -14.90          | AV       | 219.00         | 150         | Vertical | Pass    |
| 6   | 15102.500       | 53.24            | 1.17        | 74.0           | -20.76          | Peak     | 163.00         | 150         | Vertical | Pass    |
| 6** | 15102.500       | 43.73            | 1.17        | 54.0           | -10.27          | AV       | 163.00         | 150         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H 802.11n40 Channel 3

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1830.100        | 43.66            | -17.01      | 74.0           | -30.34          | Peak     | 162.00         | 150         | Horizontal | Pass    |
| 1** | 1830.100        | 26.69            | -17.01      | 54.0           | -27.31          | AV       | 162.00         | 150         | Horizontal | Pass    |
| 2   | 2419.600        | 97.68            | -12.99      | 74.0           | 23.68           | Peak     | 353.00         | 150         | Horizontal | N/A     |
| 2** | 2419.600        | 90.86            | -12.99      | 54.0           | 36.86           | AV       | 353.00         | 150         | Horizontal | N/A     |
| 3   | 4848.500        | 48.55            | -2.75       | 74.0           | -25.45          | Peak     | 244.00         | 150         | Horizontal | Pass    |
| 3** | 4848.500        | 40.11            | -2.75       | 54.0           | -13.89          | AV       | 244.00         | 150         | Horizontal | Pass    |
| 4   | 7476.250        | 49.76            | 0.86        | 74.0           | -24.24          | Peak     | 235.00         | 150         | Horizontal | Pass    |
| 4** | 7476.250        | 41.53            | 0.86        | 54.0           | -12.47          | AV       | 235.00         | 150         | Horizontal | Pass    |
| 5   | 9294.500        | 47.24            | -1.17       | 74.0           | -26.76          | Peak     | 75.00          | 150         | Horizontal | Pass    |
| 5** | 9294.500        | 37.29            | -1.17       | 54.0           | -16.71          | AV       | 75.00          | 150         | Horizontal | Pass    |
| 6   | 15347.000       | 50.03            | 1.49        | 74.0           | -23.97          | Peak     | 52.00          | 150         | Horizontal | Pass    |
| 6** | 15347.000       | 40.98            | 1.49        | 54.0           | -13.02          | AV       | 52.00          | 150         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11n40 Channel 3

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1863.000        | 48.47            | -16.86      | 74.0           | -25.53          | Peak     | 131.00         | 150         | Vertical | Pass    |
| 1** | 1863.000        | 26.57            | -16.86      | 54.0           | -27.43          | AV       | 131.00         | 150         | Vertical | Pass    |
| 2   | 2424.400        | 91.52            | -13.02      | 74.0           | 17.52           | Peak     | 341.00         | 150         | Vertical | N/A     |
| 2** | 2424.400        | 84.00            | -13.02      | 54.0           | 30.00           | AV       | 341.00         | 150         | Vertical | N/A     |
| 3   | 5217.750        | 48.68            | -1.31       | 74.0           | -25.32          | Peak     | 350.00         | 150         | Vertical | Pass    |
| 3** | 5217.750        | 38.94            | -1.31       | 54.0           | -15.06          | AV       | 350.00         | 150         | Vertical | Pass    |
| 4   | 7519.750        | 50.78            | 0.34        | 74.0           | -23.22          | Peak     | 294.00         | 150         | Vertical | Pass    |
| 4** | 7519.750        | 41.53            | 0.34        | 54.0           | -12.47          | AV       | 294.00         | 150         | Vertical | Pass    |
| 5   | 9298.000        | 46.62            | -0.95       | 74.0           | -27.38          | Peak     | 105.00         | 150         | Vertical | Pass    |
| 5** | 9298.000        | 37.82            | -0.95       | 54.0           | -16.18          | AV       | 105.00         | 150         | Vertical | Pass    |
| 6   | 15182.500       | 50.01            | 1.18        | 74.0           | -23.99          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 6** | 15182.500       | 39.61            | 1.18        | 54.0           | -14.39          | AV       | 0.00           | 150         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H 802.11n40 Channel 6

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1993.200        | 43.80            | -16.00      | 74.0           | -30.20          | Peak     | 164.00         | 150         | Horizontal | Pass    |
| 1** | 1993.200        | 33.38            | -16.00      | 54.0           | -20.62          | AV       | 164.00         | 150         | Horizontal | Pass    |
| 2   | 2439.700        | 97.74            | -12.58      | 74.0           | 23.74           | Peak     | 360.00         | 150         | Horizontal | N/A     |
| 2** | 2439.700        | 90.29            | -12.58      | 54.0           | 36.29           | AV       | 360.00         | 150         | Horizontal | N/A     |
| 3   | 4878.250        | 49.03            | -2.87       | 74.0           | -24.97          | Peak     | 245.00         | 150         | Horizontal | Pass    |
| 3** | 4878.250        | 39.05            | -2.87       | 54.0           | -14.95          | AV       | 245.00         | 150         | Horizontal | Pass    |
| 4   | 7527.750        | 50.25            | 0.30        | 74.0           | -23.75          | Peak     | 20.00          | 150         | Horizontal | Pass    |
| 4** | 7527.750        | 40.57            | 0.30        | 54.0           | -13.43          | AV       | 20.00          | 150         | Horizontal | Pass    |
| 5   | 9292.500        | 46.67            | -1.29       | 74.0           | -27.33          | Peak     | 221.00         | 150         | Horizontal | Pass    |
| 5** | 9292.500        | 37.17            | -1.29       | 54.0           | -16.83          | AV       | 221.00         | 150         | Horizontal | Pass    |
| 6   | 15580.000       | 49.82            | -0.41       | 74.0           | -24.18          | Peak     | 209.00         | 150         | Horizontal | Pass    |
| 6** | 15580.000       | 39.94            | -0.41       | 54.0           | -14.06          | AV       | 209.00         | 150         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11n40h Channel 6

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1993.900        | 46.39            | -15.95      | 74.0           | -27.61          | Peak     | 208.00         | 150         | Vertical | Pass    |
| 1** | 1993.900        | 34.19            | -15.95      | 54.0           | -19.81          | AV       | 208.00         | 150         | Vertical | Pass    |
| 2   | 2439.600        | 91.25            | -12.59      | 74.0           | 17.25           | Peak     | 344.00         | 150         | Vertical | N/A     |
| 2** | 2439.600        | 83.23            | -12.59      | 54.0           | 29.23           | AV       | 344.00         | 150         | Vertical | N/A     |
| 3   | 4882.500        | 47.04            | -2.87       | 74.0           | -26.96          | Peak     | 148.00         | 150         | Vertical | Pass    |
| 3** | 4882.500        | 37.89            | -2.87       | 54.0           | -16.11          | AV       | 148.00         | 150         | Vertical | Pass    |
| 4   | 7475.500        | 50.90            | 0.84        | 74.0           | -23.10          | Peak     | 283.00         | 150         | Vertical | Pass    |
| 4** | 7475.500        | 41.52            | 0.84        | 54.0           | -12.48          | AV       | 283.00         | 150         | Vertical | Pass    |
| 5   | 9306.500        | 46.80            | -1.20       | 74.0           | -27.20          | Peak     | 288.00         | 150         | Vertical | Pass    |
| 5** | 9306.500        | 37.43            | -1.20       | 54.0           | -16.57          | AV       | 288.00         | 150         | Vertical | Pass    |
| 6   | 14853.500       | 49.80            | 1.61        | 74.0           | -24.20          | Peak     | 232.00         | 150         | Vertical | Pass    |
| 6** | 14853.500       | 40.52            | 1.61        | 54.0           | -13.48          | AV       | 232.00         | 150         | Vertical | Pass    |

## 1 GHz to 18 GHz, ANT H 802.11n40 Channel 9

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1935.200        | 43.91            | -16.39      | 74.0           | -30.09          | Peak     | 69.00          | 150         | Horizontal | Pass    |
| 1** | 1935.200        | 27.62            | -16.39      | 54.0           | -26.38          | AV       | 69.00          | 150         | Horizontal | Pass    |
| 2   | 2458.400        | 96.82            | -12.78      | 74.0           | 22.82           | Peak     | 351.00         | 150         | Horizontal | N/A     |
| 2** | 2458.400        | 90.33            | -12.78      | 54.0           | 36.33           | AV       | 351.00         | 150         | Horizontal | N/A     |
| 3   | 4900.500        | 47.47            | -2.25       | 74.0           | -26.53          | Peak     | 259.00         | 150         | Horizontal | Pass    |
| 3** | 4900.500        | 37.88            | -2.25       | 54.0           | -16.12          | AV       | 259.00         | 150         | Horizontal | Pass    |
| 4   | 7463.750        | 50.09            | 0.69        | 74.0           | -23.91          | Peak     | 199.00         | 150         | Horizontal | Pass    |
| 4** | 7463.750        | 41.61            | 0.69        | 54.0           | -12.39          | AV       | 199.00         | 150         | Horizontal | Pass    |
| 5   | 9074.500        | 45.96            | -3.44       | 74.0           | -28.04          | Peak     | 285.00         | 150         | Horizontal | Pass    |
| 5** | 9074.500        | 36.25            | -3.44       | 54.0           | -17.75          | AV       | 285.00         | 150         | Horizontal | Pass    |
| 6   | 15197.000       | 49.49            | 1.49        | 74.0           | -24.51          | Peak     | 69.00          | 150         | Horizontal | Pass    |
| 6** | 15197.000       | 40.43            | 1.49        | 54.0           | -13.57          | AV       | 69.00          | 150         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11n40h Channel 9

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1993.700        | 48.28            | -15.97      | 74.0           | -25.72          | Peak     | 211.00         | 150         | Vertical | Pass    |
| 1** | 1993.700        | 29.96            | -15.97      | 54.0           | -24.04          | AV       | 211.00         | 150         | Vertical | Pass    |
| 2   | 2453.400        | 90.16            | -12.78      | 74.0           | 16.16           | Peak     | 332.00         | 150         | Vertical | N/A     |
| 2** | 2453.400        | 82.16            | -12.78      | 54.0           | 28.16           | AV       | 332.00         | 150         | Vertical | N/A     |
| 3   | 5030.250        | 47.71            | -1.79       | 74.0           | -26.29          | Peak     | 28.00          | 150         | Vertical | Pass    |
| 3** | 5030.250        | 37.19            | -1.79       | 54.0           | -16.81          | AV       | 28.00          | 150         | Vertical | Pass    |
| 4   | 7753.750        | 50.60            | 0.55        | 74.0           | -23.40          | Peak     | 285.00         | 150         | Vertical | Pass    |
| 4** | 7753.750        | 41.34            | 0.55        | 54.0           | -12.66          | AV       | 285.00         | 150         | Vertical | Pass    |
| 5   | 9284.000        | 46.27            | -1.82       | 74.0           | -27.73          | Peak     | 223.00         | 150         | Vertical | Pass    |
| 5** | 9284.000        | 37.70            | -1.82       | 54.0           | -16.30          | AV       | 223.00         | 150         | Vertical | Pass    |
| 6   | 15183.000       | 49.48            | 1.19        | 74.0           | -24.52          | Peak     | 357.00         | 150         | Vertical | Pass    |
| 6** | 15183.000       | 39.82            | 1.19        | 54.0           | -14.18          | AV       | 357.00         | 150         | Vertical | Pass    |

### Simultaneous transmission

MAIN antenna : 2.4G 802.11n20 mode + AUX antenna : BLE mode

#### 1 GHz to 18 GHz, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1742.100        | 47.13            | -17.11      | 74.0           | -26.87          | Peak     | 68.00          | 150         | Horizontal | Pass    |
| 1** | 1742.100        | 31.24            | -17.11      | 54.0           | -22.76          | AV       | 68.00          | 150         | Horizontal | Pass    |
| 2   | 2401.700        | 104.30           | -12.26      | 74.0           | 30.30           | Peak     | 85.00          | 150         | Horizontal | N/A     |
| 2** | 2401.700        | 103.05           | -12.26      | 54.0           | 49.05           | AV       | 85.00          | 150         | Horizontal | N/A     |
| 3   | 2413.200        | 101.99           | -12.26      | 74.0           | 27.99           | Peak     | 341.00         | 150         | Horizontal | N/A     |
| 3** | 2413.200        | 95.45            | -12.26      | 54.0           | 41.45           | AV       | 341.00         | 150         | Horizontal | N/A     |
| 4   | 4817.800        | 52.66            | -3.27       | 74.0           | -21.34          | Peak     | 339.00         | 150         | Horizontal | Pass    |
| 4** | 4817.800        | 43.68            | -3.27       | 54.0           | -10.32          | AV       | 339.00         | 150         | Horizontal | Pass    |
| 5   | 8616.325        | 51.21            | -2.09       | 74.0           | -22.79          | Peak     | 32.00          | 150         | Horizontal | Pass    |
| 5** | 8616.325        | 42.20            | -2.09       | 54.0           | -11.80          | AV       | 32.00          | 150         | Horizontal | Pass    |
| 6   | 12218.125       | 53.43            | 1.21        | 74.0           | -20.57          | Peak     | 196.00         | 150         | Horizontal | Pass    |
| 6** | 12218.125       | 44.11            | 1.21        | 54.0           | -9.89           | AV       | 196.00         | 150         | Horizontal | Pass    |

#### 1 GHz to 18 GHz, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1748.300        | 59.29            | -17.25      | 74.0           | -14.71          | Peak     | 172.00         | 150         | Vertical | Pass    |
| 1** | 1748.300        | 33.28            | -17.25      | 54.0           | -20.72          | AV       | 172.00         | 150         | Vertical | Pass    |
| 2   | 2401.700        | 93.96            | -12.26      | 74.0           | 19.96           | Peak     | 84.00          | 150         | Vertical | N/A     |
| 2** | 2401.700        | 91.74            | -12.26      | 54.0           | 37.74           | AV       | 84.00          | 150         | Vertical | N/A     |
| 3   | 2414.100        | 93.09            | -12.26      | 74.0           | 19.09           | Peak     | 270.00         | 150         | Vertical | N/A     |
| 3** | 2414.100        | 86.55            | -12.26      | 54.0           | 32.55           | AV       | 270.00         | 150         | Vertical | N/A     |
| 4   | 6000.200        | 53.23            | -1.41       | 74.0           | -20.77          | Peak     | 113.00         | 150         | Vertical | Pass    |
| 4** | 6000.200        | 49.82            | -1.41       | 54.0           | -4.18           | AV       | 113.00         | 150         | Vertical | Pass    |
| 5   | 8584.412        | 50.77            | -2.08       | 74.0           | -23.23          | Peak     | 14.00          | 150         | Vertical | Pass    |
| 5** | 8584.412        | 42.06            | -2.08       | 54.0           | -11.94          | AV       | 14.00          | 150         | Vertical | Pass    |
| 6   | 12273.037       | 53.41            | 1.55        | 74.0           | -20.59          | Peak     | 14.00          | 150         | Vertical | Pass    |
| 6** | 12273.037       | 44.54            | 1.55        | 54.0           | -9.46           | AV       | 14.00          | 150         | Vertical | Pass    |

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

### Test Data

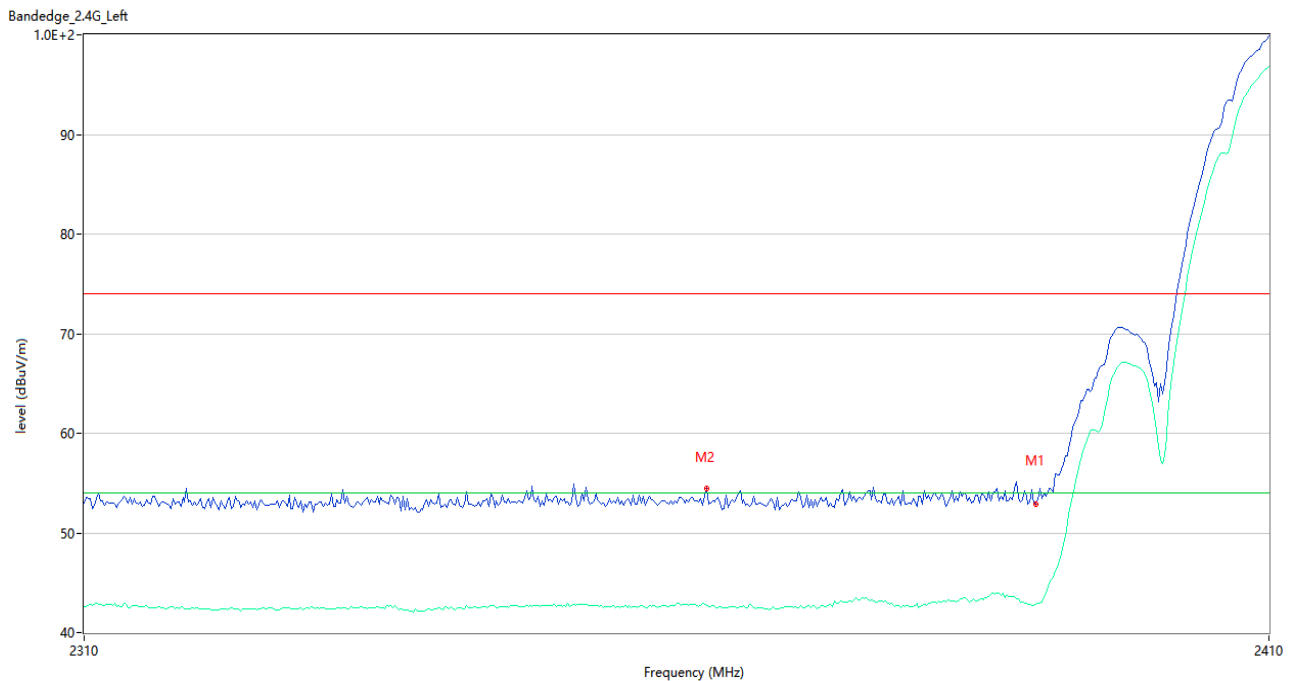
Note <sup>1</sup>: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

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

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

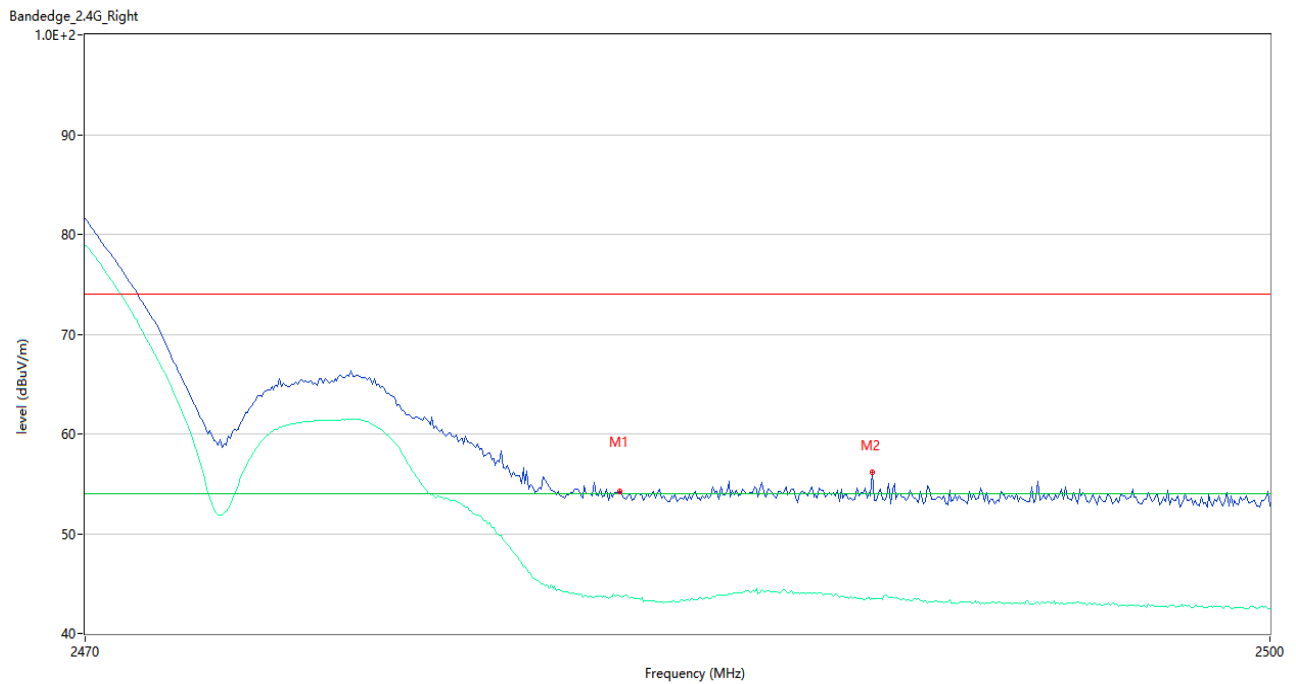
### Main Antenna

#### 802.11b CHANNEL 1



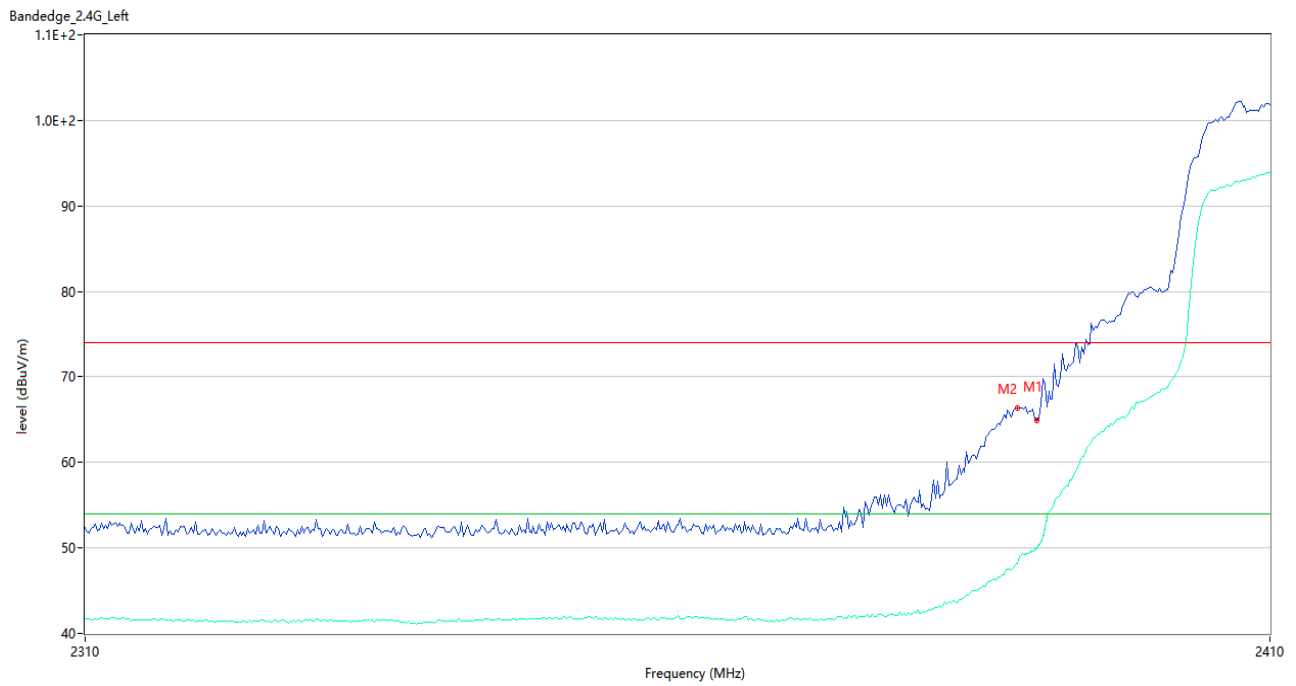
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 2390.000        | 52.87            | -1.61       | 74.0           | -21.13          | Peak     | 125.00         | 150         | Horizontal | Pass    |
| 1** | 2390.000        | 42.88            | -1.61       | 54.0           | -11.12          | AV       | 125.00         | 150         | Horizontal | Pass    |
| 2   | 2362.000        | 54.49            | -1.61       | 74.0           | -19.51          | Peak     | 79.00          | 150         | Horizontal | Pass    |
| 2** | 2362.000        | 42.75            | -1.61       | 54.0           | -11.25          | AV       | 79.00          | 150         | Horizontal | Pass    |

## 802.11b CHANNEL 11



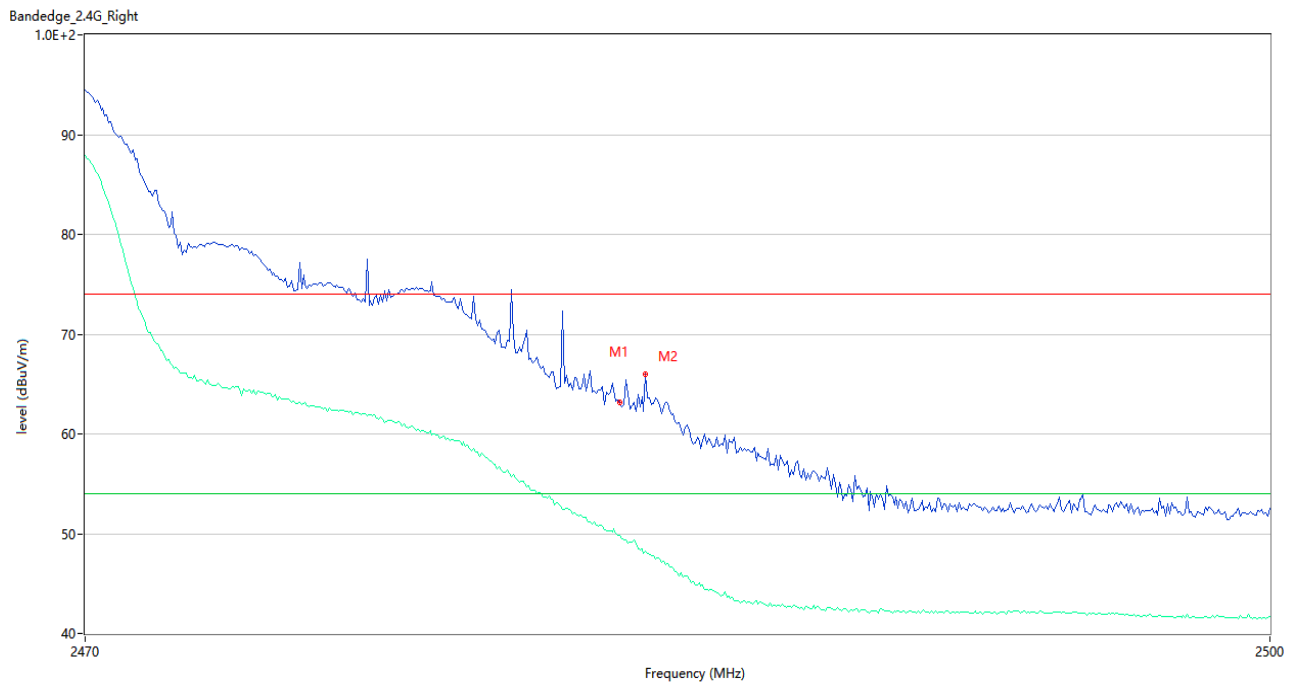
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 2483.500        | 54.20            | -0.99       | 74.0           | -19.80          | Peak     | 160.00         | 150         | Horizontal | Pass    |
| 1** | 2483.500        | 43.70            | -0.99       | 54.0           | -10.30          | AV       | 160.00         | 150         | Horizontal | Pass    |
| 2   | 2489.900        | 56.16            | -1.10       | 74.0           | -17.84          | Peak     | 129.00         | 150         | Horizontal | Pass    |
| 2** | 2489.900        | 43.50            | -1.10       | 54.0           | -10.50          | AV       | 129.00         | 150         | Horizontal | Pass    |

## 802.11g CHANNEL 1



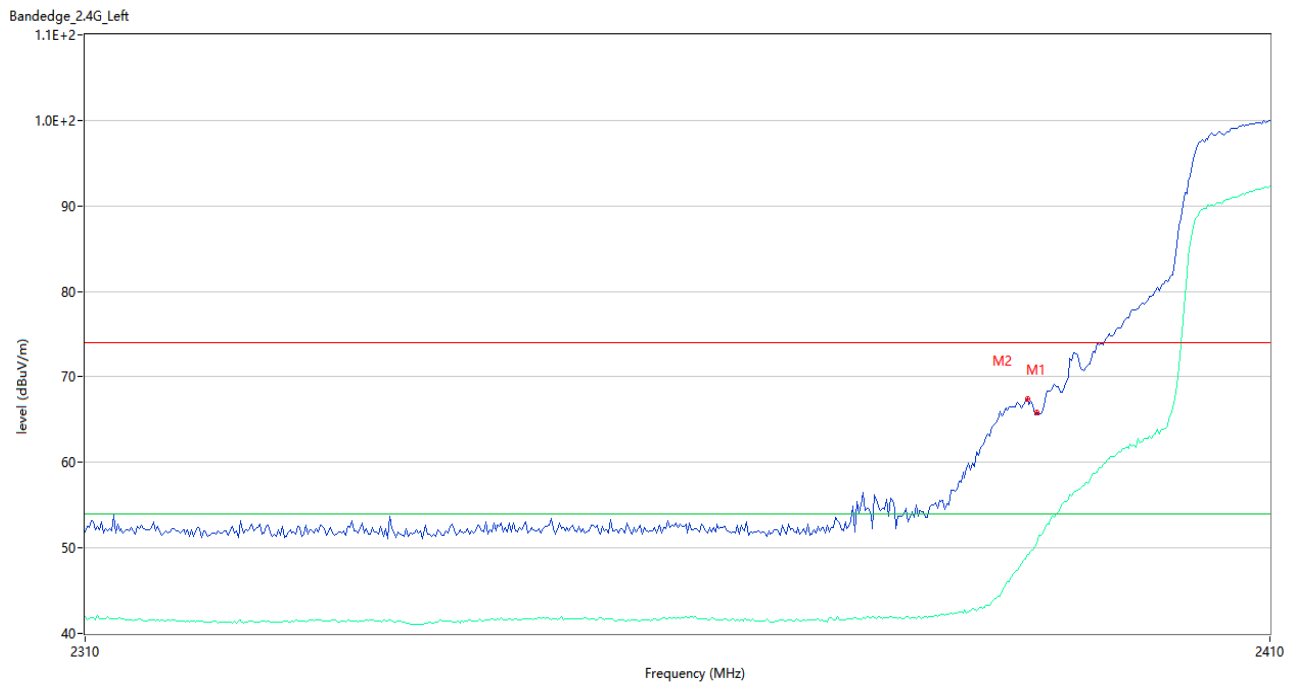
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 2390.000        | 64.95            | -1.61       | 74.0           | -9.05           | Peak     | 170.00         | 150         | Horizontal | Pass    |
| 1** | 2390.000        | 50.04            | -1.61       | 54.0           | -3.96           | AV       | 170.00         | 150         | Horizontal | Pass    |
| 2   | 2388.333        | 66.41            | -1.53       | 74.0           | -7.59           | Peak     | 168.00         | 150         | Horizontal | Pass    |
| 2** | 2388.333        | 48.20            | -1.53       | 54.0           | -5.80           | AV       | 168.00         | 150         | Horizontal | Pass    |

## 802.11g CHANNEL 11



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 2483.500        | 63.22            | -0.99       | 74.0           | -10.78          | Peak     | 152.00         | 150         | Horizontal | Pass    |
| 1** | 2483.500        | 49.87            | -0.99       | 54.0           | -4.13           | AV       | 152.00         | 150         | Horizontal | Pass    |
| 2   | 2484.150        | 65.96            | -0.96       | 74.0           | -8.04           | Peak     | 177.00         | 150         | Horizontal | Pass    |
| 2** | 2484.150        | 48.23            | -0.96       | 54.0           | -5.77           | AV       | 177.00         | 150         | Horizontal | Pass    |

## 802.11n-20 CHANNEL 1



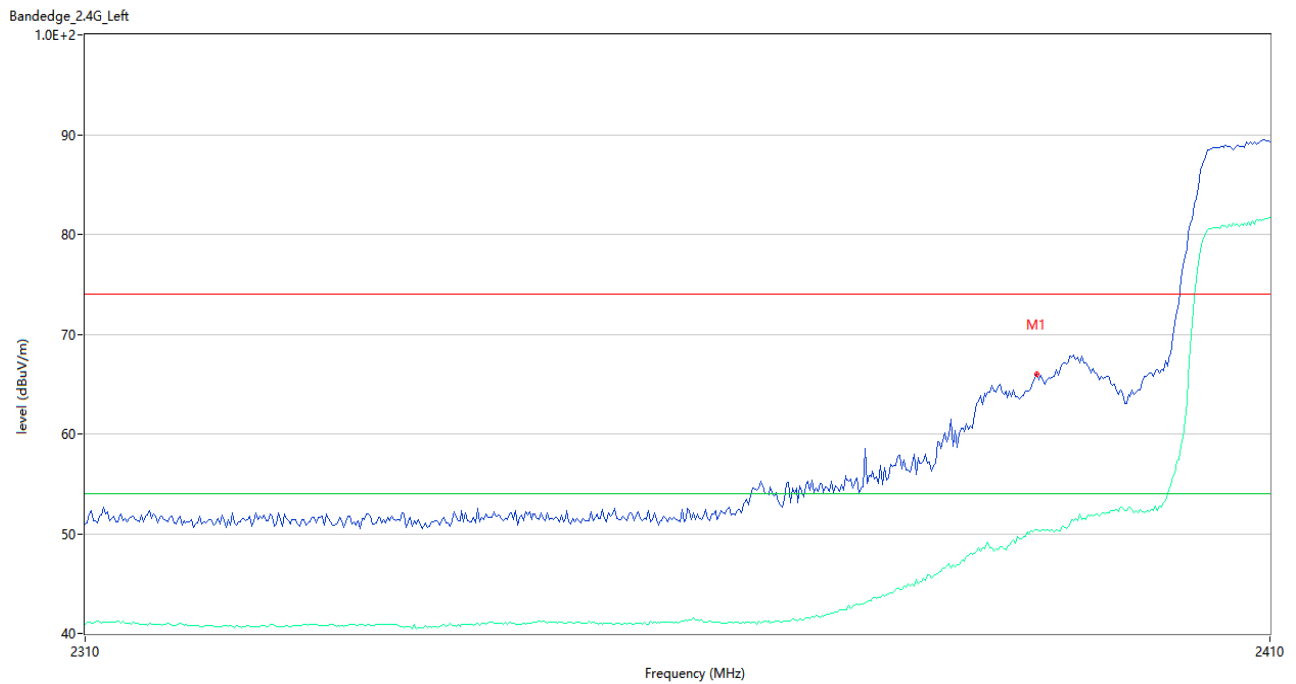
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 2390.000        | 65.87            | -1.61       | 74.0           | -8.13           | Peak     | 170.00         | 150         | Horizontal | Pass    |
| 1** | 2390.000        | 50.54            | -1.61       | 54.0           | -3.46           | AV       | 170.00         | 150         | Horizontal | Pass    |
| 2   | 2389.167        | 67.37            | -1.57       | 74.0           | -6.63           | Peak     | 150.00         | 150         | Horizontal | Pass    |
| 2** | 2389.167        | 49.24            | -1.57       | 54.0           | -4.76           | AV       | 150.00         | 150         | Horizontal | Pass    |

## 802.11n-20 CHANNEL 11



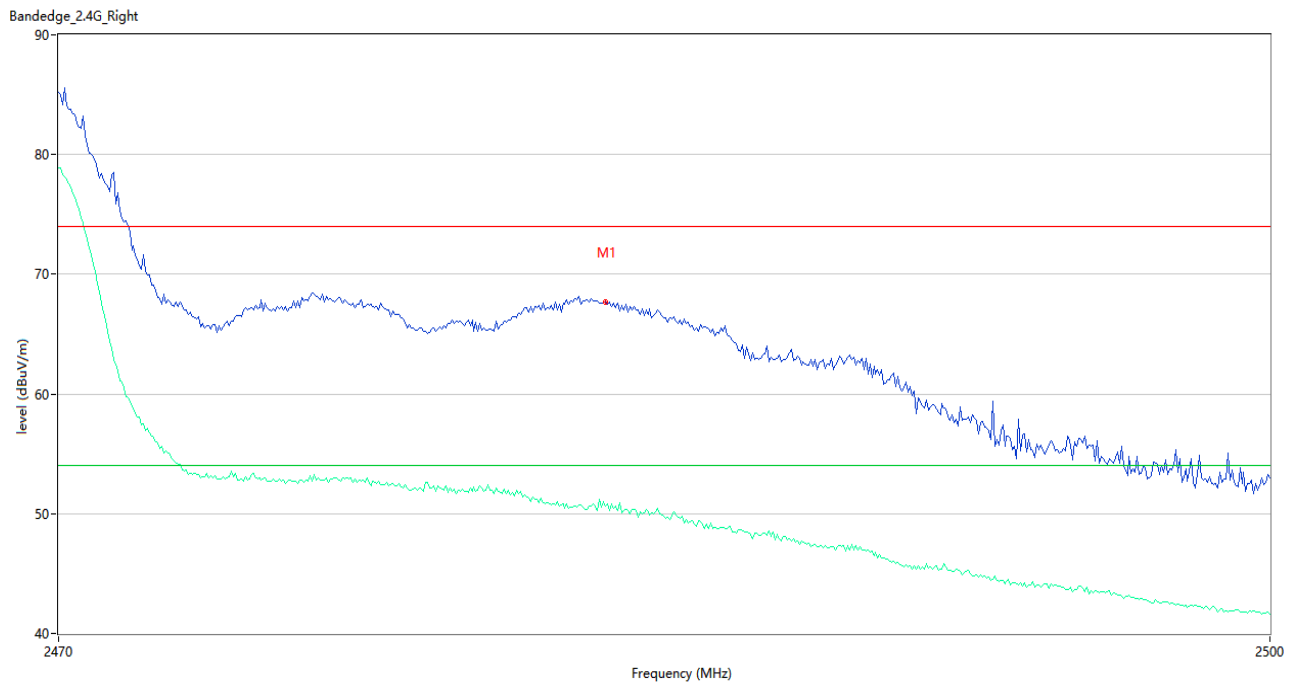
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 2483.500        | 59.68            | -0.99       | 74.0           | -14.32          | Peak     | 164.00         | 150         | Horizontal | Pass    |
| 1** | 2483.500        | 47.45            | -0.99       | 54.0           | -6.55           | AV       | 164.00         | 150         | Horizontal | Pass    |
| 2   | 2484.350        | 62.61            | -0.96       | 74.0           | -11.39          | Peak     | 158.00         | 150         | Horizontal | Pass    |
| 2** | 2484.350        | 45.77            | -0.96       | 54.0           | -8.23           | AV       | 158.00         | 150         | Horizontal | Pass    |

## 802.11n-40 CHANNEL 3



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 2390.000        | 65.95            | -1.61       | 74.0           | -8.05           | Peak     | 167.00         | 150         | Horizontal | Pass    |
| 1** | 2390.000        | 50.35            | -1.61       | 54.0           | -3.65           | AV       | 167.00         | 150         | Horizontal | Pass    |

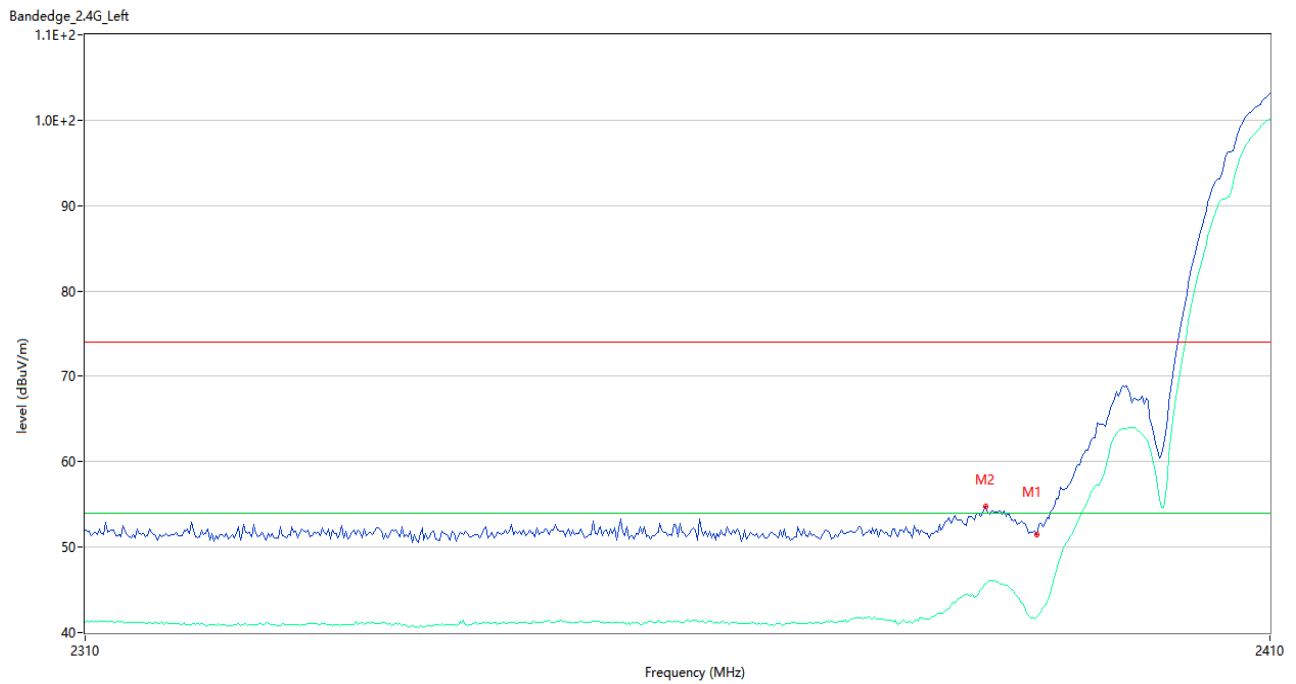
## 802.11n-40 CHANNEL 9



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 2483.500        | 67.64            | -0.99       | 74.0           | -6.36           | Peak     | 153.00         | 150         | Horizontal | Pass    |
| 1** | 2483.500        | 50.62            | -0.99       | 54.0           | -3.38           | AV       | 153.00         | 150         | Horizontal | Pass    |

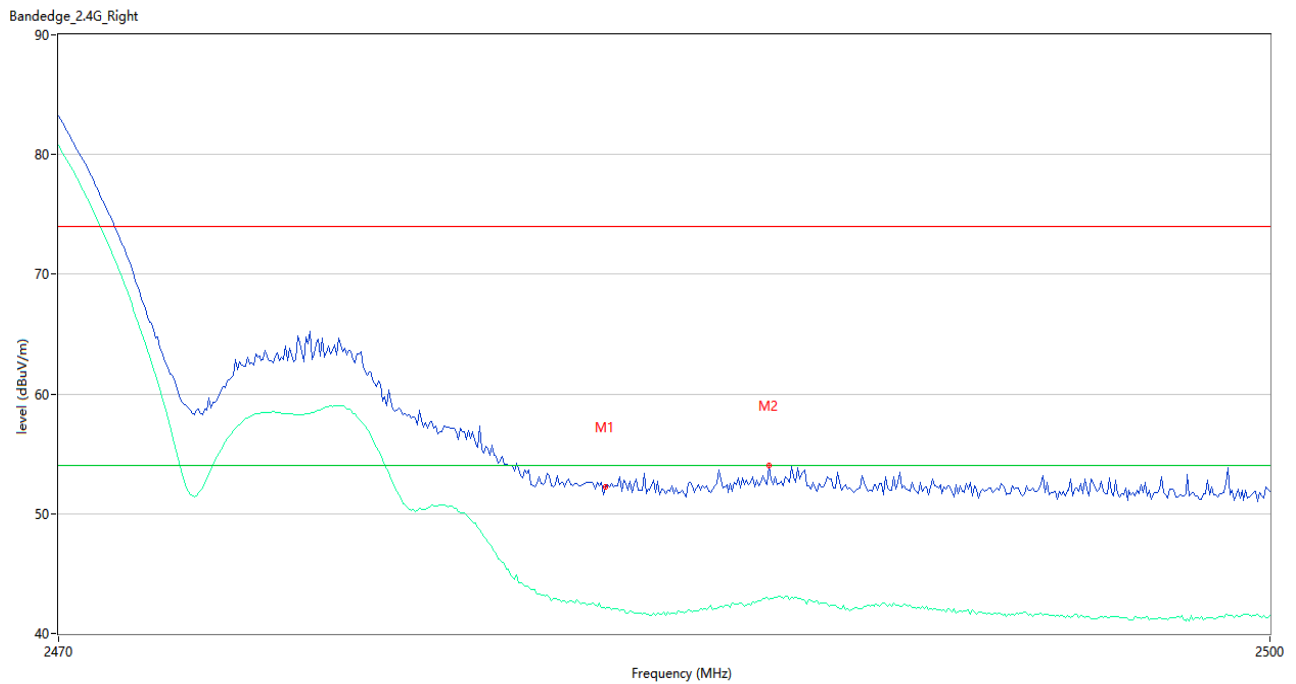
## Aux. Antenna

### 802.11b CHANNEL 1



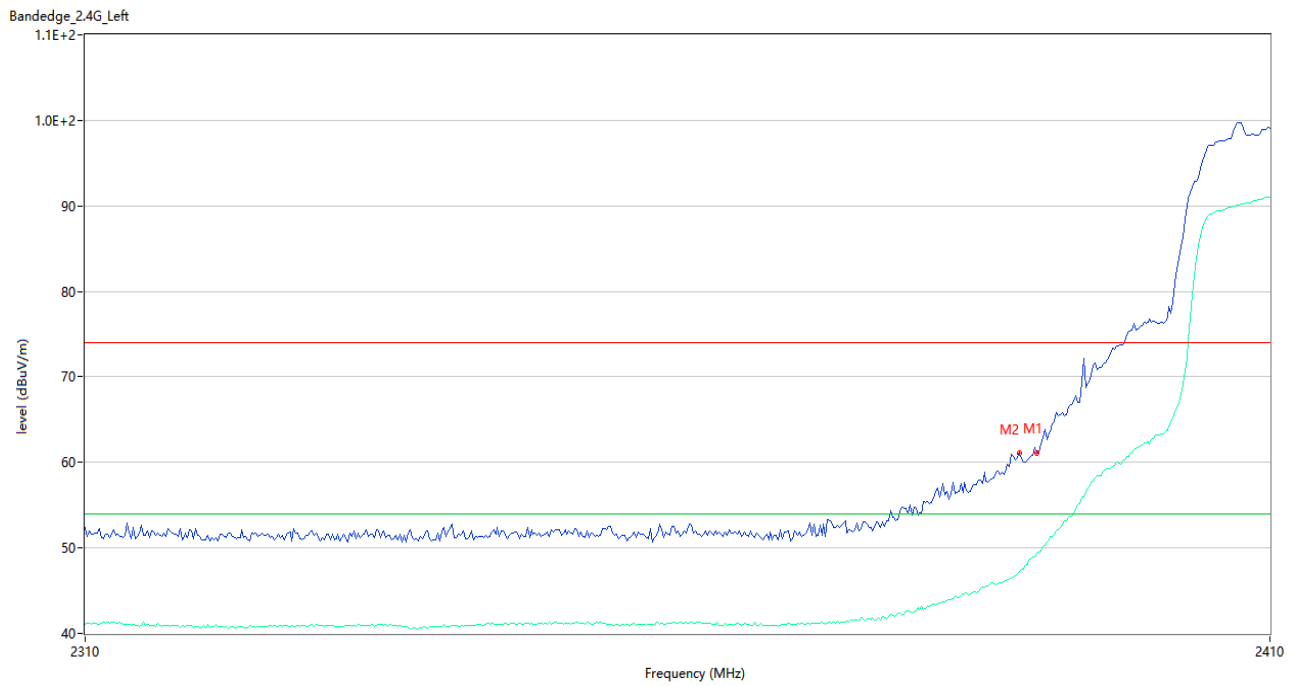
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 2390.000        | 51.51            | -1.61       | 74.0           | -22.49          | Peak     | 10.00          | 150         | Horizontal | Pass    |
| 1** | 2390.000        | 41.90            | -1.61       | 54.0           | -12.10          | AV       | 10.00          | 150         | Horizontal | Pass    |
| 2   | 2385.667        | 54.71            | -1.49       | 74.0           | -19.29          | Peak     | 12.00          | 150         | Horizontal | Pass    |
| 2** | 2385.667        | 45.73            | -1.49       | 54.0           | -8.27           | AV       | 12.00          | 150         | Horizontal | Pass    |

## 802.11b CHANNEL 11



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 2483.500        | 52.21            | -0.99       | 74.0           | -21.79          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 1** | 2483.500        | 41.89            | -0.99       | 54.0           | -12.11          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 2   | 2487.550        | 54.05            | -1.03       | 74.0           | -19.95          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 2** | 2487.550        | 42.69            | -1.03       | 54.0           | -11.31          | AV       | 360.00         | 150         | Horizontal | Pass    |

## 802.11g CHANNEL 1



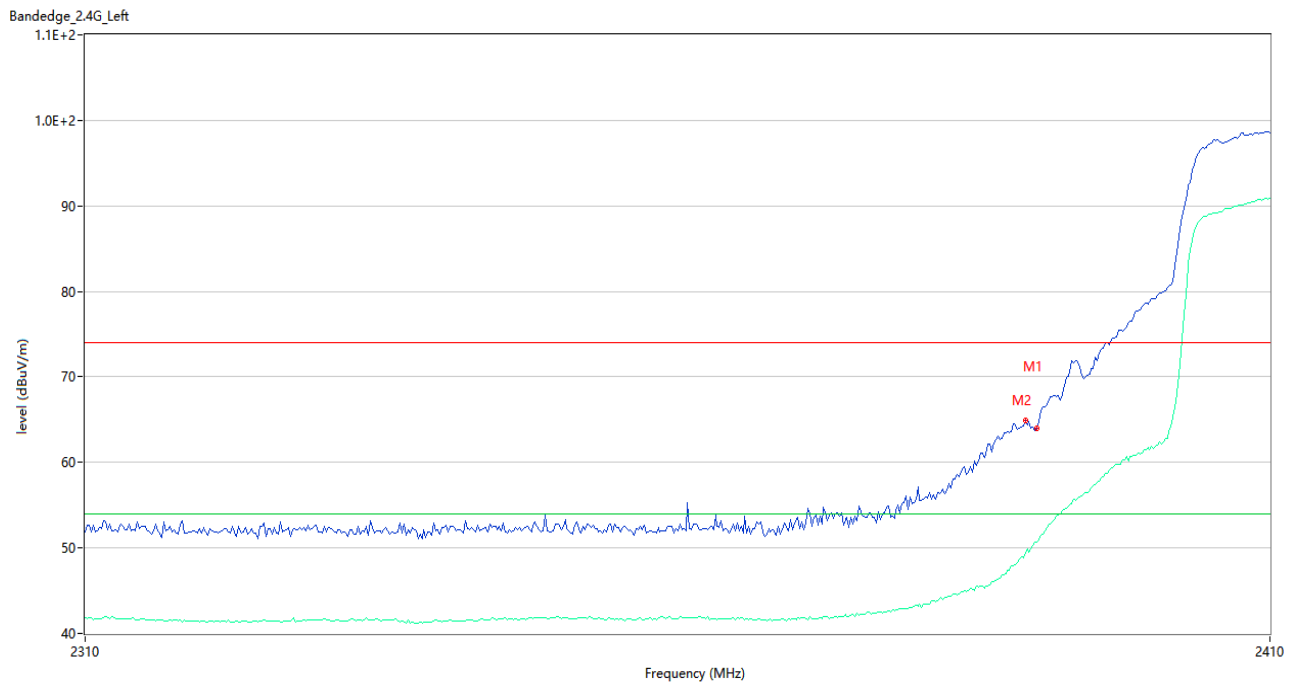
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 2390.000        | 61.11            | -1.61       | 74.0           | -12.89          | Peak     | 31.00          | 150         | Horizontal | Pass    |
| 1** | 2390.000        | 49.32            | -1.61       | 54.0           | -4.68           | AV       | 31.00          | 150         | Horizontal | Pass    |
| 2   | 2388.500        | 61.15            | -1.54       | 74.0           | -12.85          | Peak     | 2.00           | 150         | Horizontal | Pass    |
| 2** | 2388.500        | 47.27            | -1.54       | 54.0           | -6.73           | AV       | 2.00           | 150         | Horizontal | Pass    |

## 802.11g CHANNEL 11



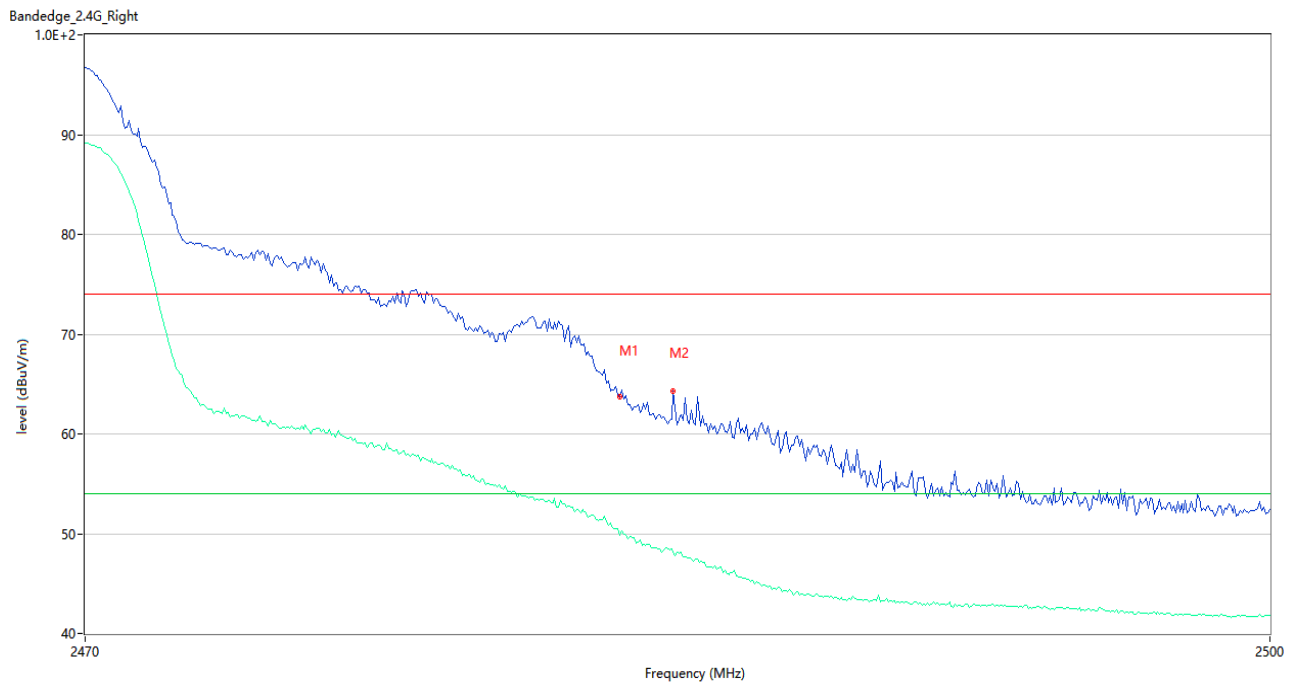
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 2483.500        | 62.87            | -0.99       | 74.0           | -11.13          | Peak     | 42.00          | 150         | Horizontal | Pass    |
| 1** | 2483.500        | 49.68            | -0.99       | 54.0           | -4.32           | AV       | 42.00          | 150         | Horizontal | Pass    |
| 2   | 2484.550        | 65.02            | -0.96       | 74.0           | -8.98           | Peak     | 29.00          | 150         | Horizontal | Pass    |
| 2** | 2484.550        | 48.48            | -0.96       | 54.0           | -5.52           | AV       | 29.00          | 150         | Horizontal | Pass    |

## 802.11n-20 CHANNEL 1



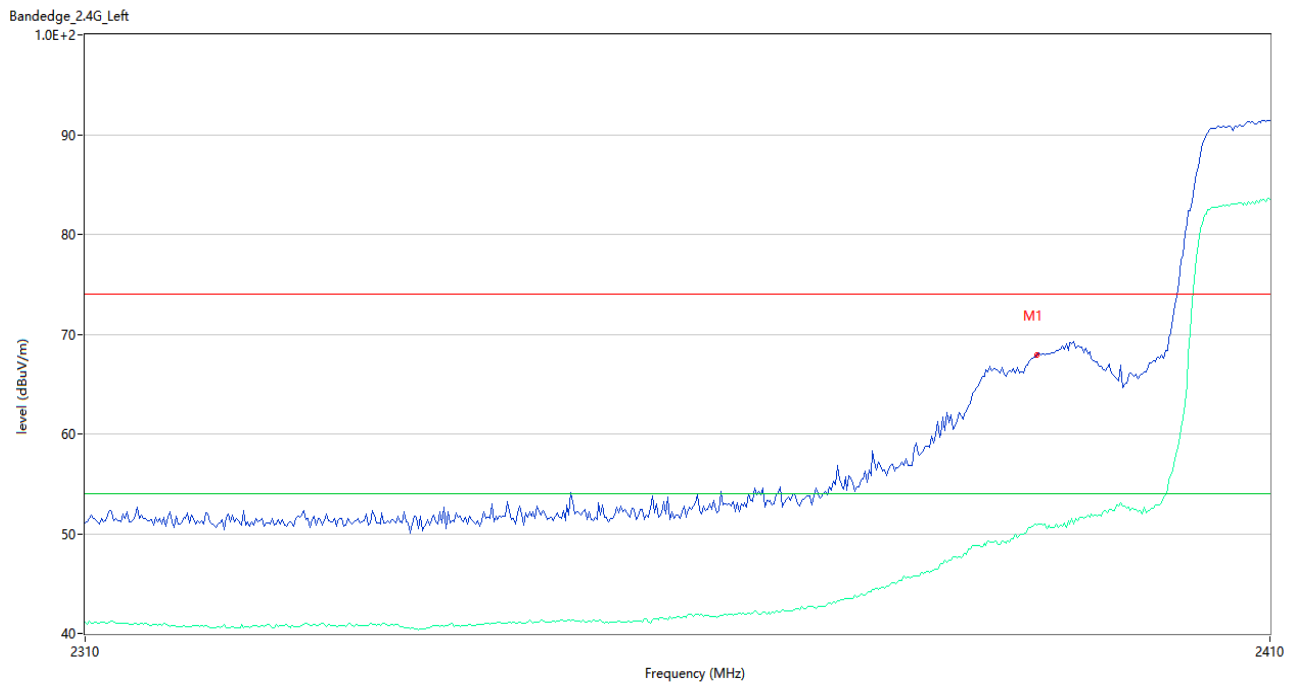
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 2390.000        | 63.99            | -1.61       | 74.0           | -10.01          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 1** | 2390.000        | 50.70            | -1.61       | 54.0           | -3.30           | AV       | 0.00           | 150         | Horizontal | Pass    |
| 2   | 2389.000        | 64.97            | -1.56       | 74.0           | -9.03           | Peak     | 13.00          | 150         | Horizontal | Pass    |
| 2** | 2389.000        | 49.54            | -1.56       | 54.0           | -4.46           | AV       | 13.00          | 150         | Horizontal | Pass    |

## 802.11n-20 CHANNEL 11



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 2483.500        | 63.77            | -0.99       | 74.0           | -10.23          | Peak     | 30.00          | 150         | Horizontal | Pass    |
| 1** | 2483.500        | 49.81            | -0.99       | 54.0           | -4.19           | AV       | 30.00          | 150         | Horizontal | Pass    |
| 2   | 2484.850        | 64.24            | -0.96       | 74.0           | -9.76           | Peak     | 15.00          | 150         | Horizontal | Pass    |
| 2** | 2484.850        | 48.11            | -0.96       | 54.0           | -5.89           | AV       | 15.00          | 150         | Horizontal | Pass    |

## 802.11n-40 CHANNEL 3



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 2390.000        | 67.93            | -1.61       | 74.0           | -6.07           | Peak     | 14.00          | 150         | Horizontal | Pass    |
| 1** | 2390.000        | 50.90            | -1.61       | 54.0           | -3.10           | AV       | 14.00          | 150         | Horizontal | Pass    |

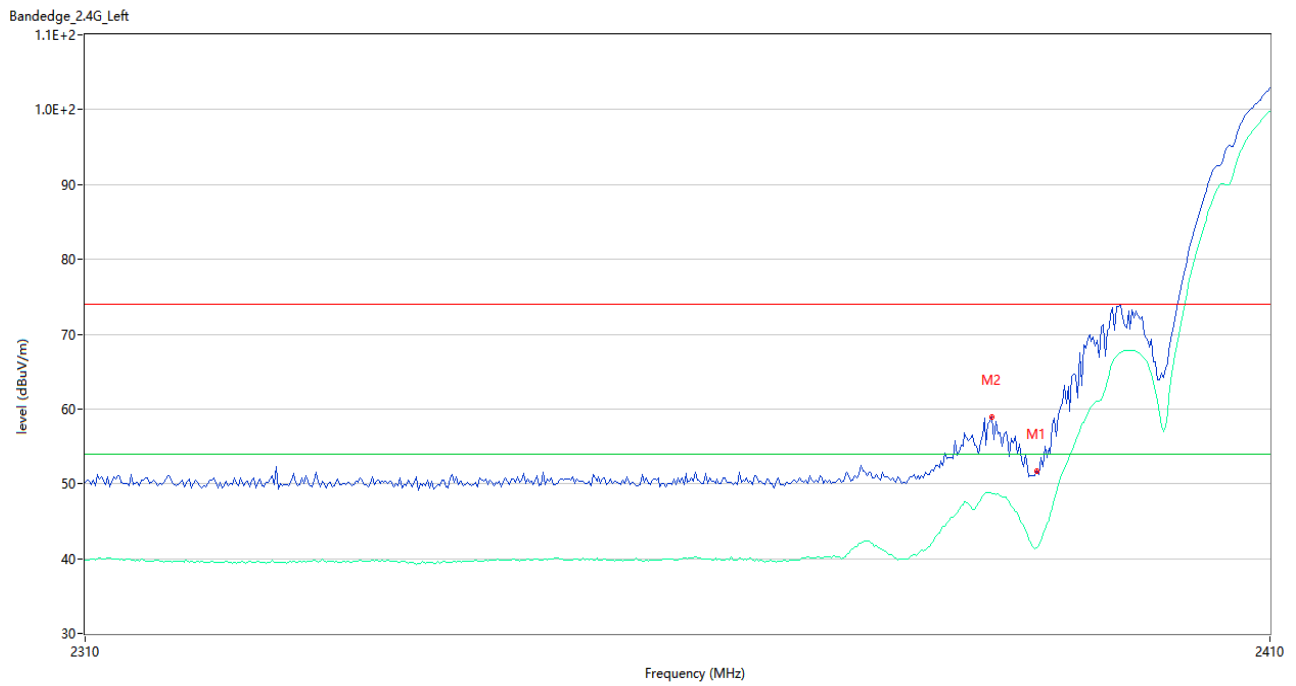
## 802.11n-40 CHANNEL 9



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 2483.500        | 68.01            | -0.99       | 74.0           | -5.99           | Peak     | 34.00          | 150         | Horizontal | Pass    |
| 1** | 2483.500        | 49.98            | -0.99       | 54.0           | -4.02           | AV       | 34.00          | 150         | Horizontal | Pass    |

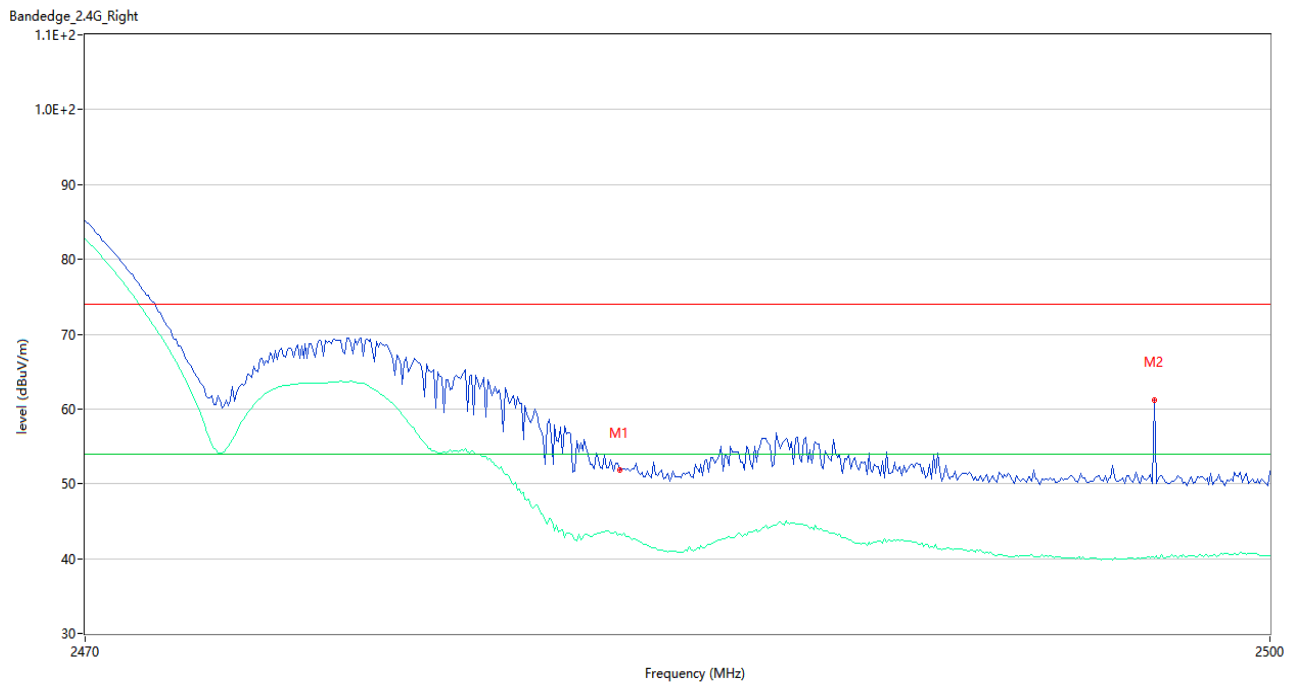
# MIMO

## 802.11b CHANNEL 1



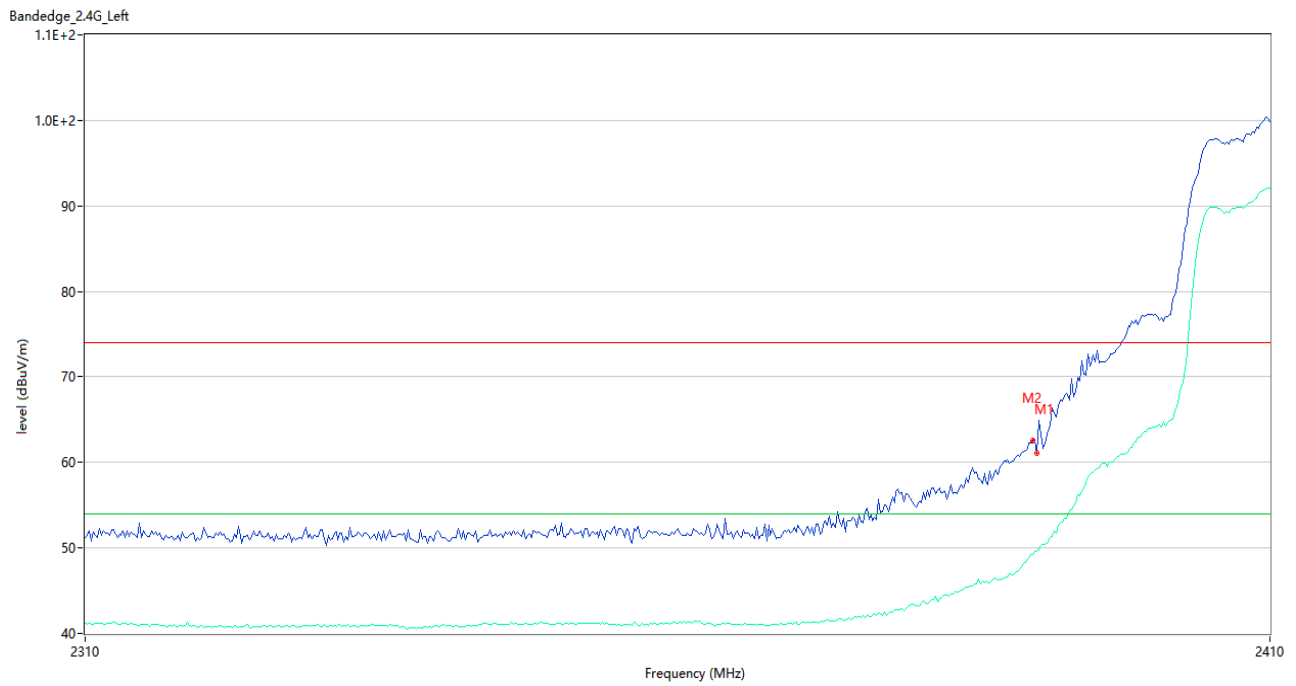
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 2390.000        | 51.72            | -1.61       | 74.0           | -22.28          | Peak     | 17.00          | 150         | Horizontal | Pass    |
| 1** | 2390.000        | 41.52            | -1.61       | 54.0           | -12.48          | AV       | 17.00          | 150         | Horizontal | Pass    |
| 2   | 2386.167        | 58.89            | -1.49       | 74.0           | -15.11          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 2** | 2386.167        | 48.61            | -1.49       | 54.0           | -5.39           | AV       | 0.00           | 150         | Horizontal | Pass    |

## 802.11b CHANNEL 11



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 2483.500        | 51.87            | -0.99       | 74.0           | -22.13          | Peak     | 14.00          | 150         | Horizontal | Pass    |
| 1** | 2483.500        | 43.27            | -0.99       | 54.0           | -10.73          | AV       | 14.00          | 150         | Horizontal | Pass    |
| 2   | 2497.050        | 61.24            | -1.37       | 74.0           | -12.76          | Peak     | 135.00         | 150         | Horizontal | Pass    |
| 2** | 2497.050        | 40.13            | -1.37       | 54.0           | -13.87          | AV       | 135.00         | 150         | Horizontal | Pass    |

## 802.11g CHANNEL 1



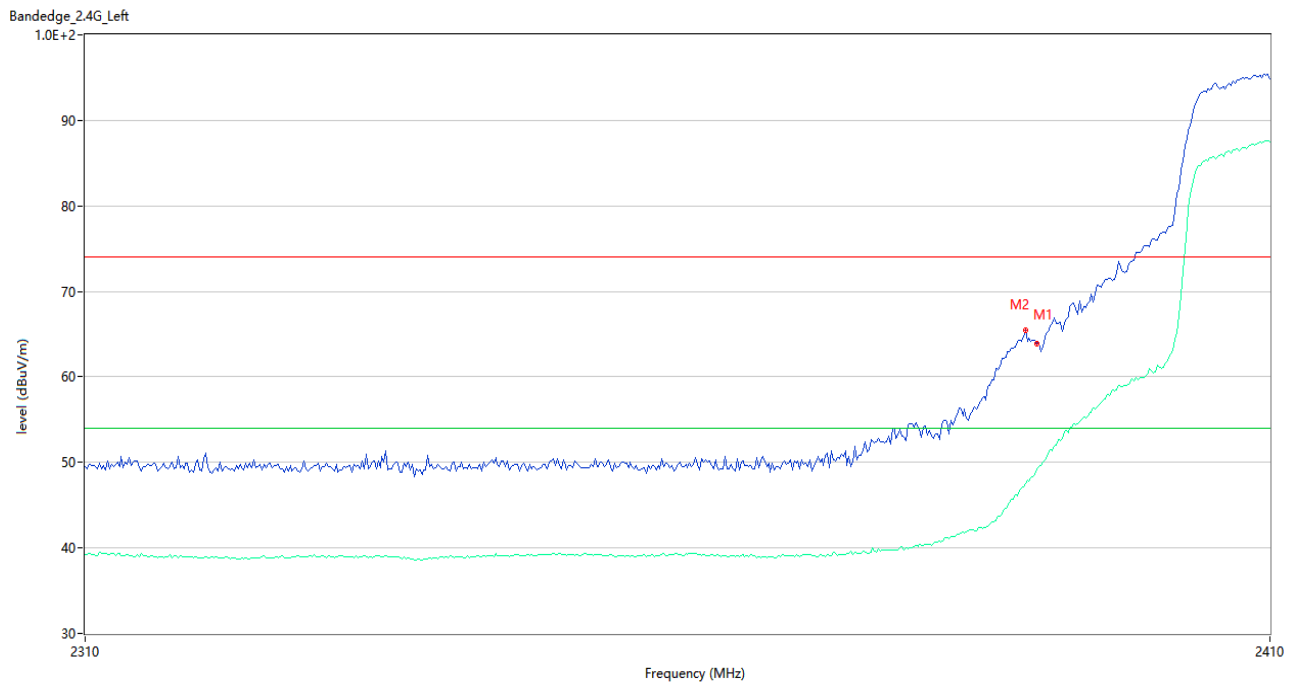
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 2390.000        | 61.04            | -1.61       | 74.0           | -12.96          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 1** | 2390.000        | 49.57            | -1.61       | 54.0           | -4.43           | AV       | 0.00           | 150         | Horizontal | Pass    |
| 2   | 2389.667        | 62.54            | -1.59       | 74.0           | -11.46          | Peak     | 12.00          | 150         | Horizontal | Pass    |
| 2** | 2389.667        | 49.26            | -1.59       | 54.0           | -4.74           | AV       | 12.00          | 150         | Horizontal | Pass    |

## 802.11g CHANNEL 11



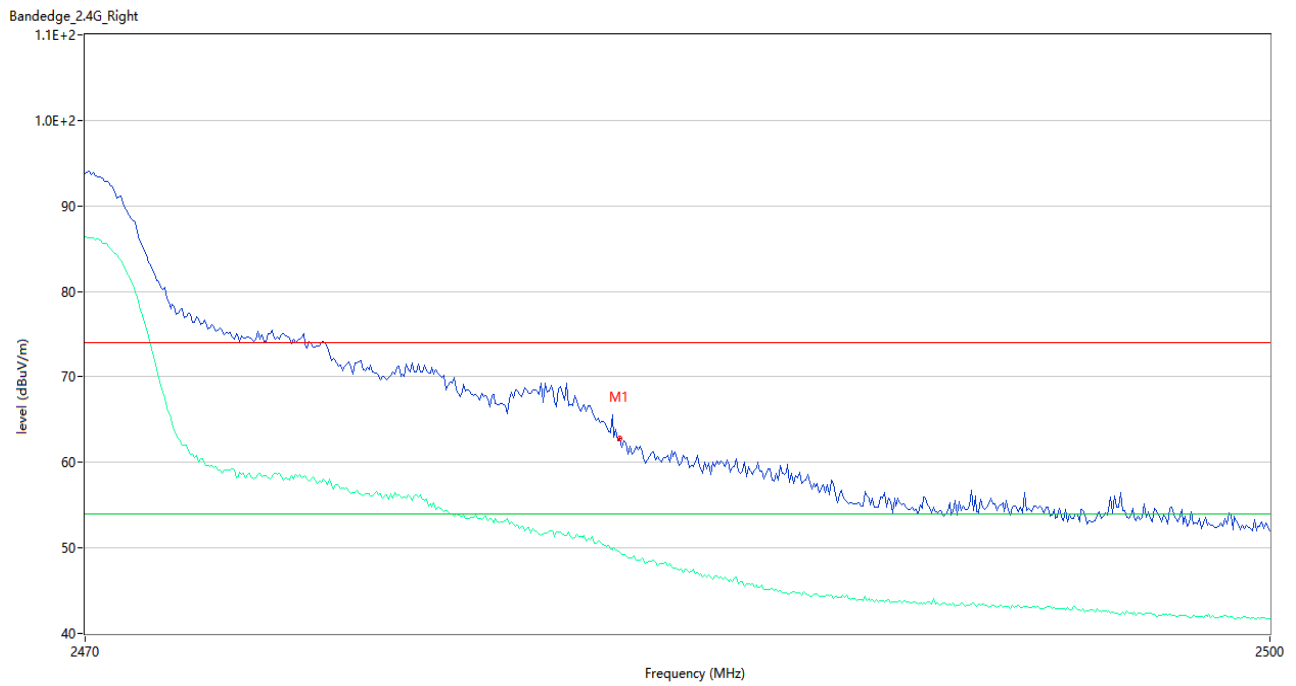
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 2483.500        | 64.89            | -0.99       | 74.0           | -9.11           | Peak     | 56.00          | 150         | Horizontal | Pass    |
| 1** | 2483.500        | 50.88            | -0.99       | 54.0           | -3.12           | AV       | 56.00          | 150         | Horizontal | Pass    |
| 2   | 2483.550        | 67.24            | -0.98       | 74.0           | -6.76           | Peak     | 196.00         | 150         | Horizontal | Pass    |
| 2** | 2483.550        | 50.82            | -0.98       | 54.0           | -3.18           | AV       | 196.00         | 150         | Horizontal | Pass    |

## 802.11n-20 CHANNEL 1



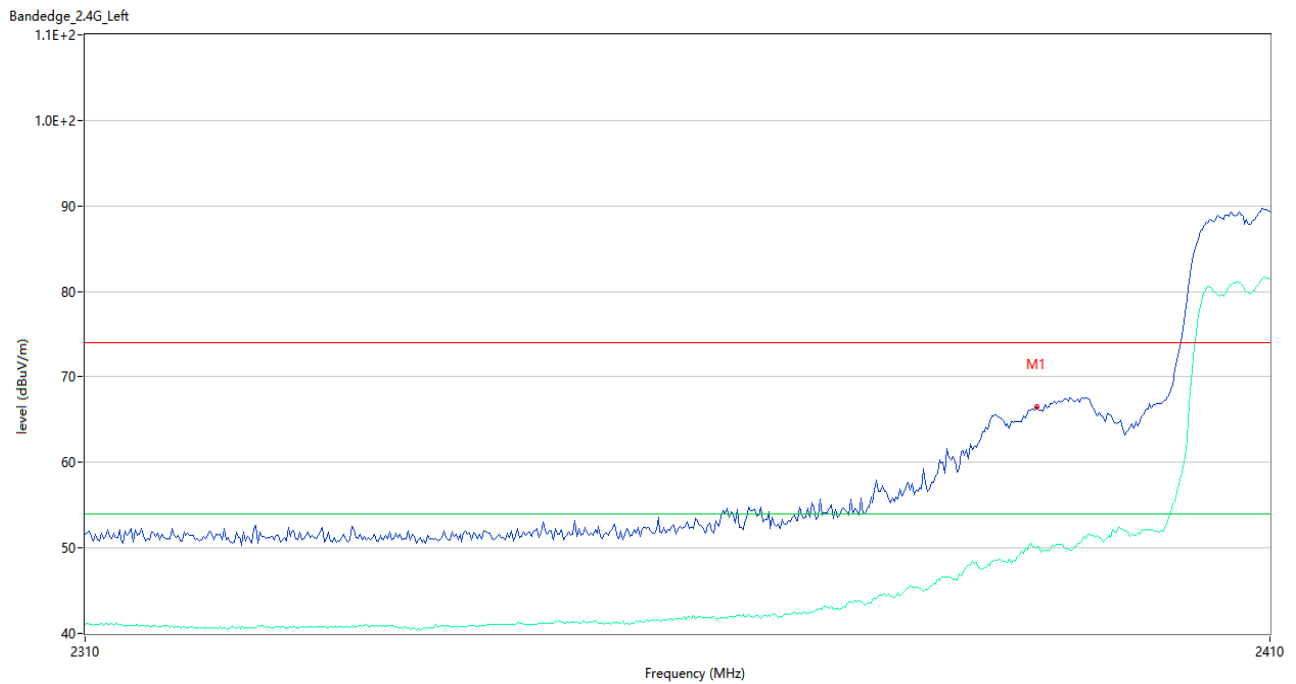
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 2390.000        | 63.83            | -1.61       | 74.0           | -10.17          | Peak     | 155.00         | 150         | Horizontal | Pass    |
| 1** | 2390.000        | 49.27            | -1.61       | 54.0           | -4.73           | AV       | 155.00         | 150         | Horizontal | Pass    |
| 2   | 2389.000        | 65.43            | -1.56       | 74.0           | -8.57           | Peak     | 159.00         | 150         | Horizontal | Pass    |
| 2** | 2389.000        | 47.49            | -1.56       | 54.0           | -6.51           | AV       | 159.00         | 150         | Horizontal | Pass    |

## 802.11n-20 CHANNEL 11



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 2483.500        | 62.74            | -0.99       | 74.0           | -11.26          | Peak     | 52.00          | 150         | Horizontal | Pass    |
| 1** | 2483.500        | 49.48            | -0.99       | 54.0           | -4.52           | AV       | 52.00          | 150         | Horizontal | Pass    |

## 802.11n-40 CHANNEL 3



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 2390.000        | 66.55            | -1.61       | 74.0           | -7.45           | Peak     | 17.00          | 150         | Horizontal | Pass    |
| 1** | 2390.000        | 50.06            | -1.61       | 54.0           | -3.94           | AV       | 17.00          | 150         | Horizontal | Pass    |

## 802.11n-40 CHANNEL 9



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 2483.500        | 68.02            | -0.99       | 74.0           | -5.98           | Peak     | 36.00          | 150         | Horizontal | Pass    |
| 1** | 2483.500        | 50.48            | -0.99       | 54.0           | -3.52           | AV       | 36.00          | 150         | Horizontal | Pass    |
| 2   | 2483.650        | 68.38            | -0.98       | 74.0           | -5.62           | Peak     | 34.00          | 150         | Horizontal | Pass    |
| 2** | 2483.650        | 50.38            | -0.98       | 54.0           | -3.62           | AV       | 34.00          | 150         | Horizontal | Pass    |

## A.8 Power Spectral Density (PSD)

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

### Test Data

#### Main Antenna

##### 802.11b Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| 1       | -16.070                              | 8                |
| 6       | -11.550                              | 8                |
| 11      | -15.405                              | 8                |

##### 802.11g Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| 1       | -17.860                              | 8                |
| 6       | -17.739                              | 8                |
| 11      | -17.475                              | 8                |

##### 802.11n-20 MHz Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| 1       | -19.464                              | 8                |
| 6       | -19.396                              | 8                |
| 11      | -19.665                              | 8                |

##### 802.11n-40 MHz Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| 3       | -28.413                              | 8                |
| 4       | -27.732                              | 8                |
| 5       | -23.529                              | 8                |
| 6       | -23.362                              | 8                |
| 8       | -23.653                              | 8                |
| 9       | -26.101                              | 8                |

Aux. Antenna

## 802.11b Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| 1       | -12.835                              | 8                |
| 6       | -11.795                              | 8                |
| 11      | -10.425                              | 8                |

## 802.11g Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| 1       | -22.369                              | 8                |
| 2       | -18.106                              | 8                |
| 6       | -17.400                              | 8                |
| 10      | -17.118                              | 8                |
| 11      | -21.508                              | 8                |

## 802.11n-20 MHz Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| 1       | -23.209                              | 8                |
| 2       | -19.207                              | 8                |
| 6       | -19.160                              | 8                |
| 10      | -19.204                              | 8                |
| 11      | -19.440                              | 8                |

## 802.11n-40 MHz Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| 3       | -29.065                              | 8                |
| 4       | -29.043                              | 8                |
| 5       | -26.975                              | 8                |
| 6       | -22.774                              | 8                |
| 7       | -22.923                              | 8                |
| 8       | -26.560                              | 8                |
| 9       | -27.683                              | 8                |

MIMO-Main Antenna

## 802.11b Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| 1       | -12.434                              | 8                |
| 6       | -13.931                              | 8                |
| 11      | -13.188                              | 8                |

## 802.11g Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| 1       | -24.700                              | 8                |
| 2       | -17.575                              | 8                |
| 6       | -17.393                              | 8                |
| 10      | -17.186                              | 8                |
| 11      | -19.075                              | 8                |

## 802.11n-20 MHz Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| 1       | -22.899                              | 8                |
| 2       | -19.750                              | 8                |
| 6       | -19.692                              | 8                |
| 10      | -19.348                              | 8                |
| 11      | -25.531                              | 8                |

## 802.11n-40 MHz Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| 3       | -35.207                              | 8                |
| 4       | -33.283                              | 8                |
| 5       | -29.464                              | 8                |
| 6       | -22.272                              | 8                |
| 7       | -28.130                              | 8                |
| 8       | -29.735                              | 8                |
| 9       | -30.332                              | 8                |

MIMO-Aux. Antenna

## 802.11b Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| 1       | -13.936                              | 8                |
| 6       | -12.201                              | 8                |
| 11      | -10.610                              | 8                |

## 802.11g Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| 1       | -23.328                              | 8                |
| 2       | -17.043                              | 8                |
| 6       | -17.177                              | 8                |
| 10      | -16.836                              | 8                |
| 11      | -17.904                              | 8                |

## 802.11n-20 MHz Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| 1       | -20.762                              | 8                |
| 2       | -18.928                              | 8                |
| 6       | -18.883                              | 8                |
| 10      | -18.472                              | 8                |
| 11      | -23.355                              | 8                |

## 802.11n-40 MHz Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| 3       | -33.950                              | 8                |
| 4       | -31.873                              | 8                |
| 5       | -27.833                              | 8                |
| 6       | -22.883                              | 8                |
| 7       | -26.664                              | 8                |
| 8       | -28.175                              | 8                |
| 9       | -28.709                              | 8                |

# MIMO

## 802.11b Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| 1       | -10.11                               | 8                |
| 2       | 3.01                                 | 8                |
| 6       | -9.97                                | 8                |
| 10      | 3.01                                 | 8                |
| 11      | -8.70                                | 8                |

## 802.11g Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| 1       | -20.95                               | 8                |
| 2       | -14.29                               | 8                |
| 6       | -14.27                               | 8                |
| 10      | -14.00                               | 8                |
| 11      | -15.44                               | 8                |

## 802.11n-20 MHz Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| 1       | -18.69                               | 8                |
| 2       | -16.31                               | 8                |
| 6       | -16.26                               | 8                |
| 10      | -15.88                               | 8                |
| 11      | -21.30                               | 8                |

## 802.11n-40 MHz Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| 3       | -31.52                               | 8                |
| 4       | -29.51                               | 8                |
| 5       | -25.56                               | 8                |
| 6       | -19.56                               | 8                |
| 7       | -24.33                               | 8                |
| 8       | -25.88                               | 8                |
| 9       | -26.43                               | 8                |