

## 10. RADIATED TEST RESULTS

### LIMITS

FCC §15.205 and §15.209

| Frequency Range (MHz) | Field Strength Limit (uV/m) at 3 m | Field Strength Limit (dBuV/m) at 3 m |
|-----------------------|------------------------------------|--------------------------------------|
| 0.009-0.490           | 2400/F(kHz) @ 300 m                | -                                    |
| 0.490-1.705           | 24000/F(kHz) @ 30 m                | -                                    |
| 1.705 - 30            | 30 @ 30m                           | -                                    |
| 30 - 88               | 100                                | 40                                   |
| 88 - 216              | 150                                | 43.5                                 |
| 216 - 960             | 200                                | 46                                   |
| Above 960             | 500                                | 54                                   |

IC RSS-GEN Clause 8.9 and 8.10

| Frequency Range (kHz) | Field Strength Limit (uA/m) at 3 m | Field Strength Limit (dBuV/m) at 3 m |
|-----------------------|------------------------------------|--------------------------------------|
| 0.009-0.490           | 6.37/F(kHz) @ 300 m                | -                                    |
| 0.490-1.705           | 63.7/F(kHz) @ 30 m                 | -                                    |
| 1.705 - 30            | 0.08 @ 30m                         | -                                    |
| Frequency Range (MHz) | Field Strength Limit (uV/m) at 3 m | Field Strength Limit (dBuV/m) at 3 m |
| 30 - 88               | 100                                | 40                                   |
| 88 - 216              | 150                                | 43.5                                 |
| 216 - 960             | 200                                | 46                                   |
| Above 960             | 500                                | 54                                   |

### TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements in the 30-1000MHz range, 9kHz for peak and/or quasi-peak detection measurements in the 0.15-30MHz range and 200Hz for peak and/or quasi-peak detection measurements in the 9 to 150kHz range. Peak detection is used unless otherwise noted as quasi-peak or average (9-90kHz and 110-490kHz).

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3MHz for peak measurements.

For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for RMS average measurements.

The spectrum from 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band. Below 1GHz and above 18GHz emissions, the channel with the highest output power was tested.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

3D antenna use - For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel).

Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

### **KDB 414788 Open Field Site (OFS) and Chamber Correlation Justification**

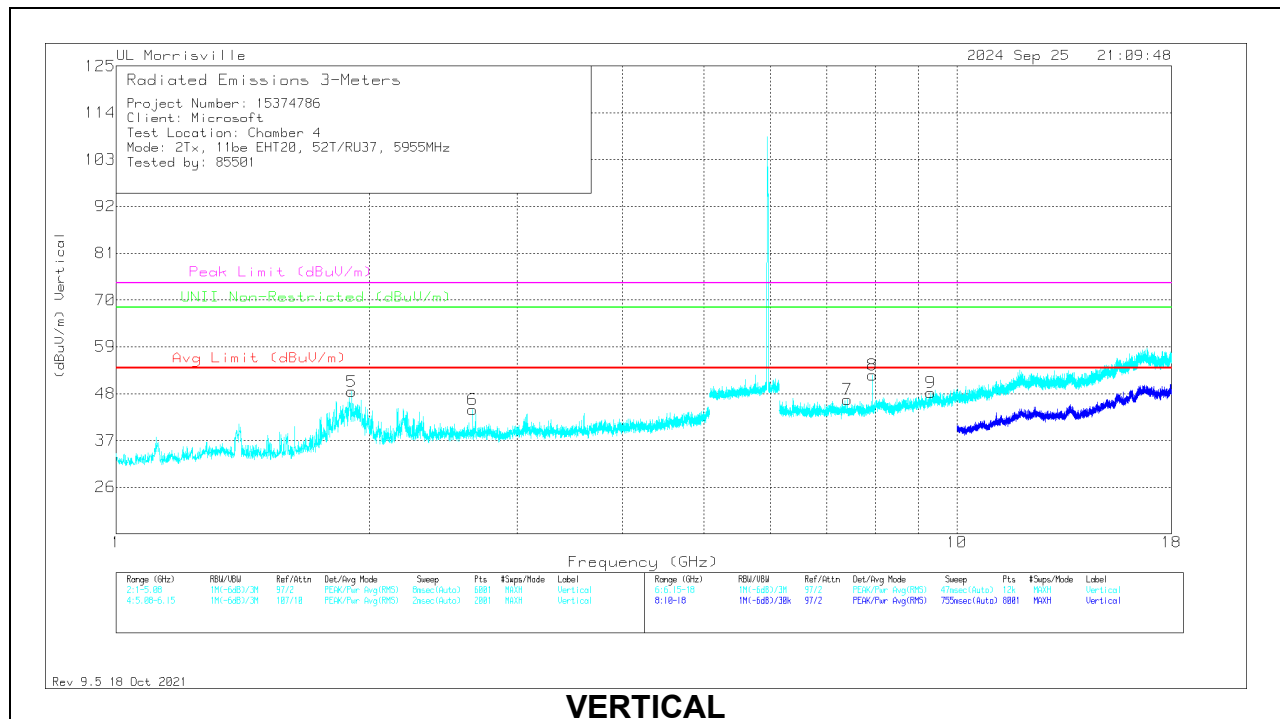
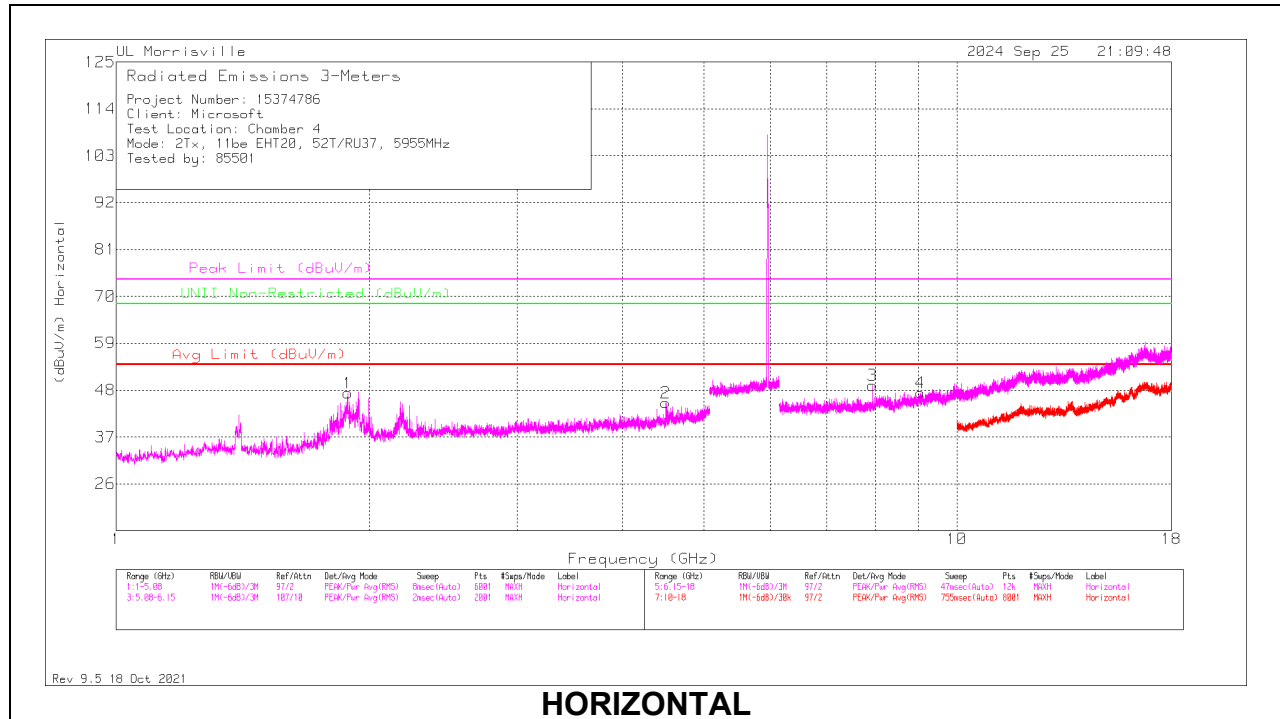
OFS and chamber correlation testing had been performed and chamber measured test result is the worst-case test result.

## 10.1. TRANSMITTER OUTSIDE 5.925-7.125 GHz , 1-18GHz

### 10.1.1. 802.11be EHT20 52T 2Tx MODE IN THE UNII-5 BAND

#### HARMONICS AND SPURIOUS EMISSIONS

##### LOW CHANNEL



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | 89509 ACF (dB/m) | Gain/Loss (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|------------------|----------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | ** 1.88536      | 52.08                | Pk   | 30.7             | -35.5          | 47.28                      | -                  | -           | -                   | -              | 68.2                         | -20.92         | 0-360          | 100         | H        |
| 2      | *** 4.50404     | 42.25                | Pk   | 33.8             | -31            | 45.05                      | 54                 | -8.95       | 74                  | -28.95         | -                            | -              | 0-360          | 100         | H        |
| 5      | ** 1.90644      | 53.45                | Pk   | 30.7             | -35.7          | 48.45                      | -                  | -           | -                   | -              | 68.2                         | -19.75         | 0-360          | 200         | V        |
| 6      | *** 2.6558      | 47.35                | Pk   | 32.4             | -35.5          | 44.25                      | 54                 | -9.75       | 74                  | -29.75         | -                            | -              | 0-360          | 200         | V        |
| 4      | *** 9.05029     | 35.81                | Pk   | 36.2             | -24.6          | 47.41                      | 54                 | -6.59       | 74                  | -26.59         | -                            | -              | 0-360          | 100         | H        |
| 7      | *** 7.40511     | 38.13                | Pk   | 35.6             | -27.1          | 46.63                      | 54                 | -7.37       | 74                  | -27.37         | -                            | -              | 0-360          | 200         | V        |
| 9      | *** 9.30625     | 37.29                | PK-U | 36.4             | -25            | 48.69                      | -                  | -           | 74                  | -25.31         | -                            | -              | 26             | 214         | V        |
|        | *** 9.3085      | 25.49                | ADR  | 36.4             | -25.1          | 36.79                      | 54                 | -17.21      | -                   | -              | -                            | -              | 26             | 214         | V        |
| 3      | 7.93935         | 40.24                | Pk   | 35.8             | -26.9          | 49.14                      | -                  | -           | -                   | -              | 68.2                         | -19.06         | 0-360          | 100         | H        |
| 8      | 7.93935         | 43.48                | Pk   | 35.8             | -26.9          | 52.38                      | -                  | -           | -                   | -              | 68.2                         | -15.82         | 0-360          | 200         | V        |

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

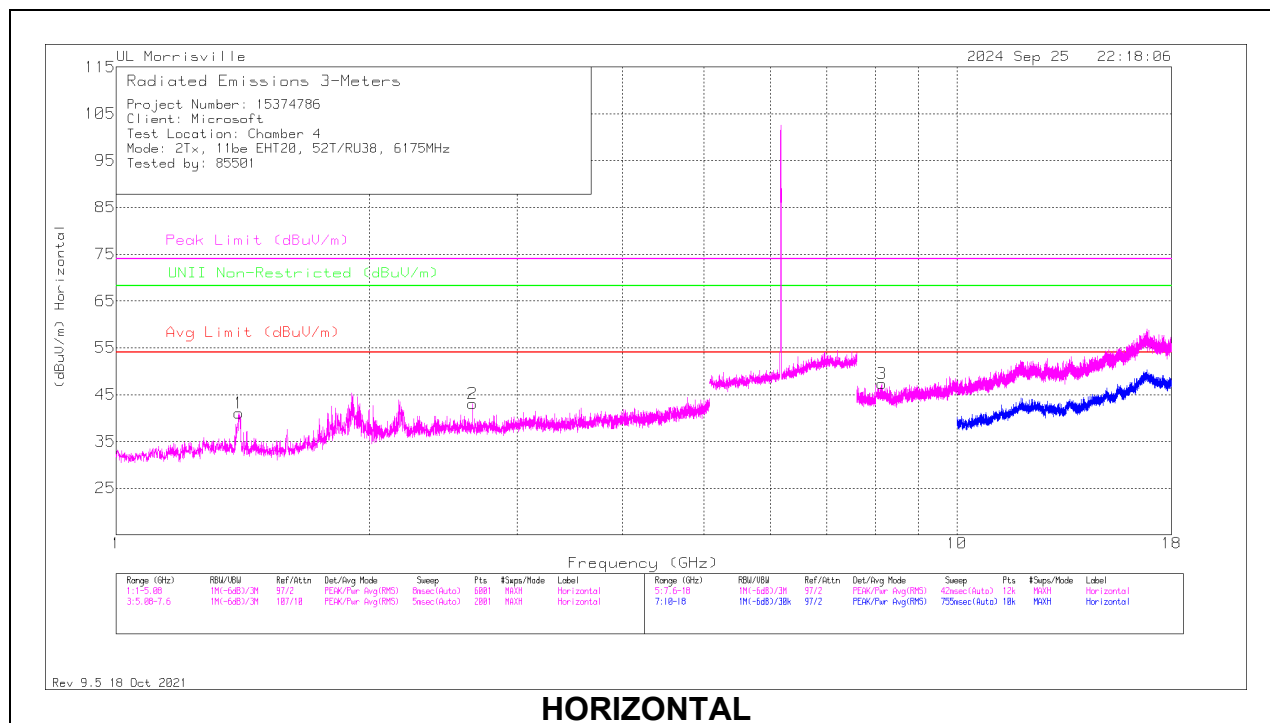
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

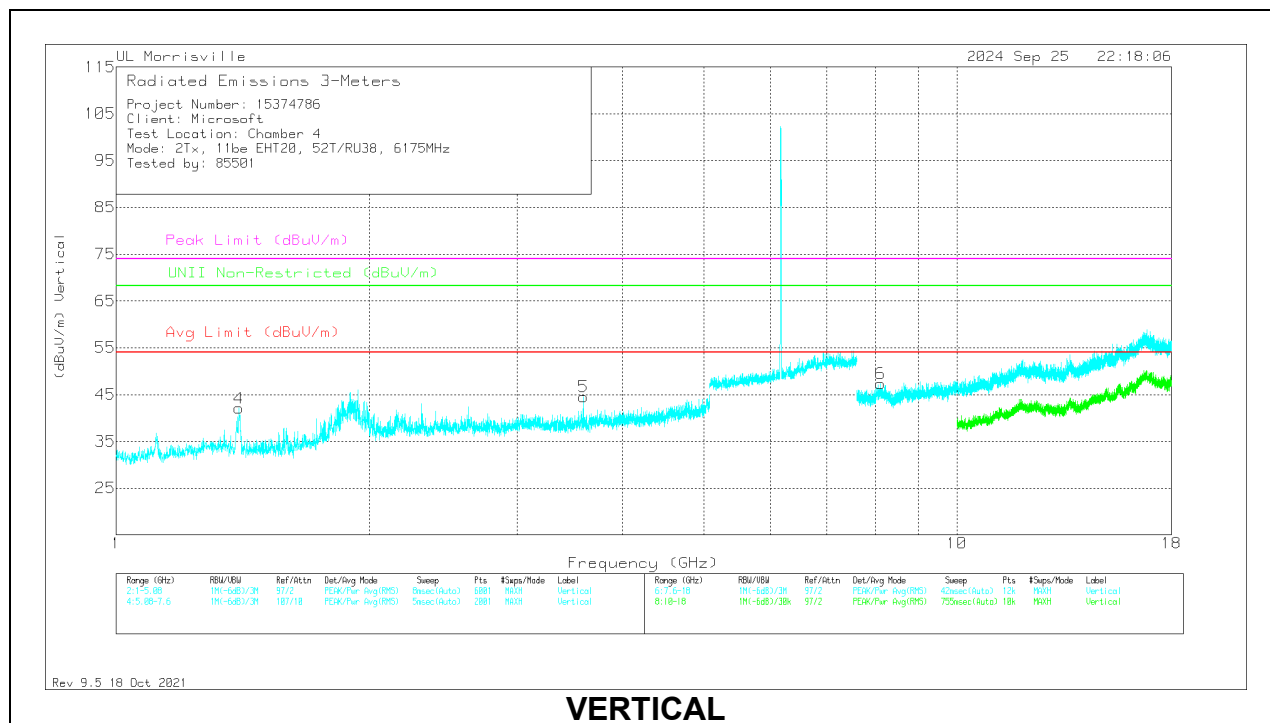
PK-U - Maximum Peak

ADR - RMS Average

## MID CHANNEL



## HORIZONTAL



## VERTICAL

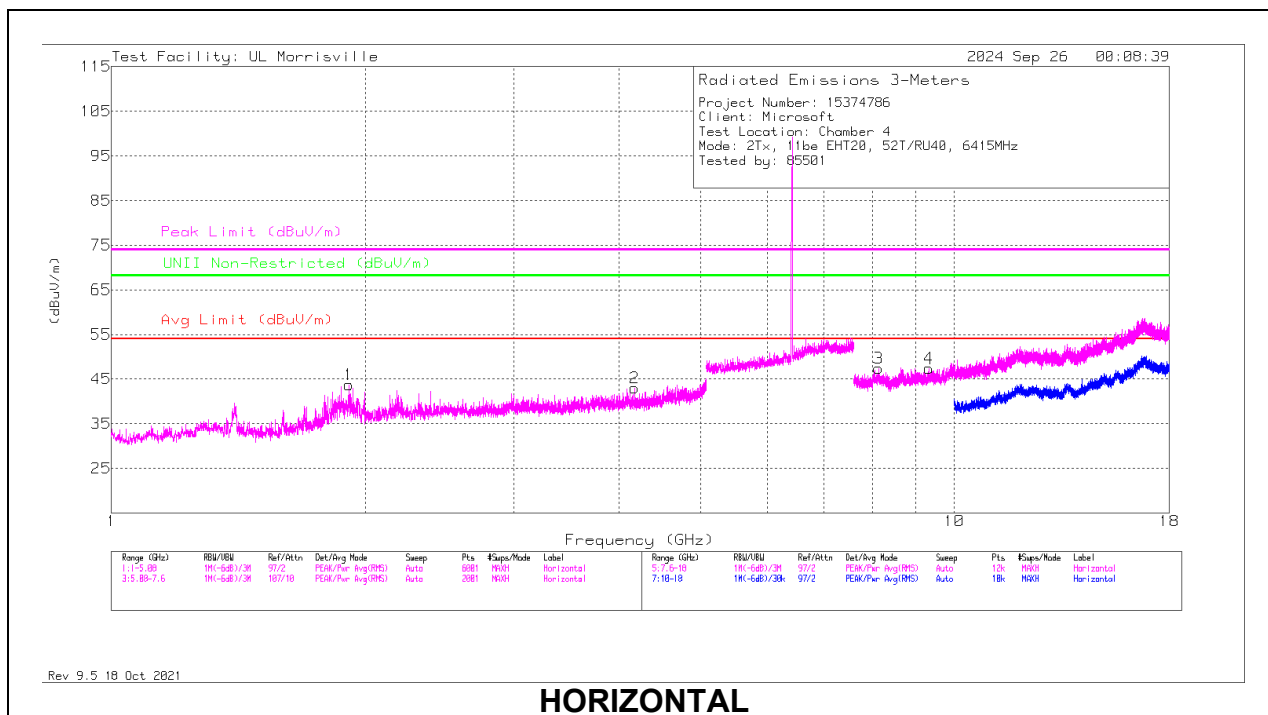
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 89509 ACF (dB/m) | Gain/Loss (dB) | Filter (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|----------------|-------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * ** 1.39848    | 48.5                 | Pk  | 28.2             | -35.7          | 0           | 41                         | 54                 | -13         | 74                  | -33            | -                            | -              | 0-360          | 100         | H        |
| 2      | * ** 2.65512    | 46.19                | Pk  | 32.4             | -35.5          | 0           | 43.09                      | 54                 | -10.91      | 74                  | -30.91         | -                            | -              | 0-360          | 100         | H        |
| 4      | * ** 1.39984    | 49.56                | Pk  | 28.2             | -35.7          | 0           | 42.06                      | 54                 | -11.94      | 74                  | -31.94         | -                            | -              | 0-360          | 100         | V        |
| 5      | * ** 3.5976     | 44.83                | Pk  | 32.9             | -33.2          | 0           | 44.53                      | 54                 | -9.47       | 74                  | -29.47         | -                            | -              | 0-360          | 100         | V        |
| 3      | * ** 8.14167    | 38.4                 | Pk  | 35.8             | -27.6          | .8          | 47.4                       | 54                 | -6.6        | 74                  | -26.6          | -                            | -              | 0-360          | 100         | H        |
| 6      | * ** 8.11913    | 37.98                | Pk  | 35.8             | -27.3          | .9          | 47.38                      | 54                 | -6.62       | 74                  | -26.62         | -                            | -              | 0-360          | 100         | V        |

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

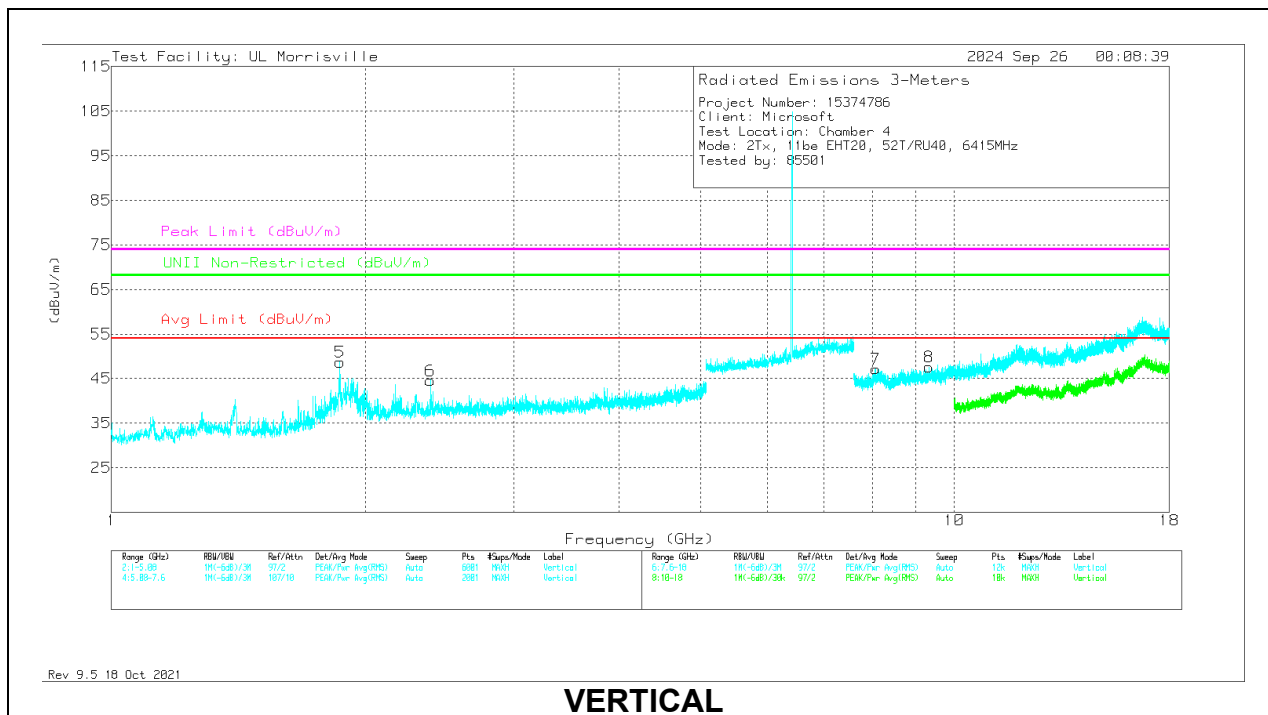
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

## HIGH CHANNEL



## HORIZONTAL



## VERTICAL

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 89509 ACF (dB/m) | Gain/Loss (dB) | Filter (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|----------------|-------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | ** 1.91324      | 48.61                | Pk  | 30.7             | -35.6          | 0           | 43.71                      | 54                 | -10.29      | -                   | -              | 68.2                         | -24.49         | 0-360          | 100         | H        |
| 2      | *** 4.17492     | 40.82                | Pk  | 33.5             | -31.3          | 0           | 43.02                      | 54                 | -10.98      | 74                  | -30.98         | -                            | -              | 0-360          | 100         | H        |
| 5      | ** 1.86632      | 53.72                | Pk  | 30.7             | -35.7          | 0           | 48.72                      | 54                 | -5.28       | -                   | -              | 68.2                         | -19.48         | 0-360          | 100         | V        |
| 6      | *** 2.38992     | 48.05                | Pk  | 32               | -35.5          | 0           | 44.55                      | 54                 | -9.45       | 74                  | -29.45         | -                            | -              | 0-360          | 100         | V        |
| 3      | *** 8.13213     | 38.32                | Pk  | 35.8             | -27.5          | .8          | 47.42                      | 54                 | -6.58       | 74                  | -26.58         | -                            | -              | 0-360          | 100         | H        |
| 4      | *** 9.329       | 35.68                | Pk  | 36.5             | -25.2          | .4          | 47.38                      | 54                 | -6.62       | 74                  | -26.62         | -                            | -              | 0-360          | 100         | H        |
| 7      | *** 8.06367     | 37.96                | Pk  | 35.8             | -27.5          | .9          | 47.16                      | 54                 | -6.84       | 74                  | -26.84         | -                            | -              | 0-360          | 100         | V        |
| 8      | *** 9.33073     | 35.92                | Pk  | 36.5             | -25.2          | .4          | 47.62                      | 54                 | -6.38       | 74                  | -26.38         | -                            | -              | 0-360          | 100         | V        |

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

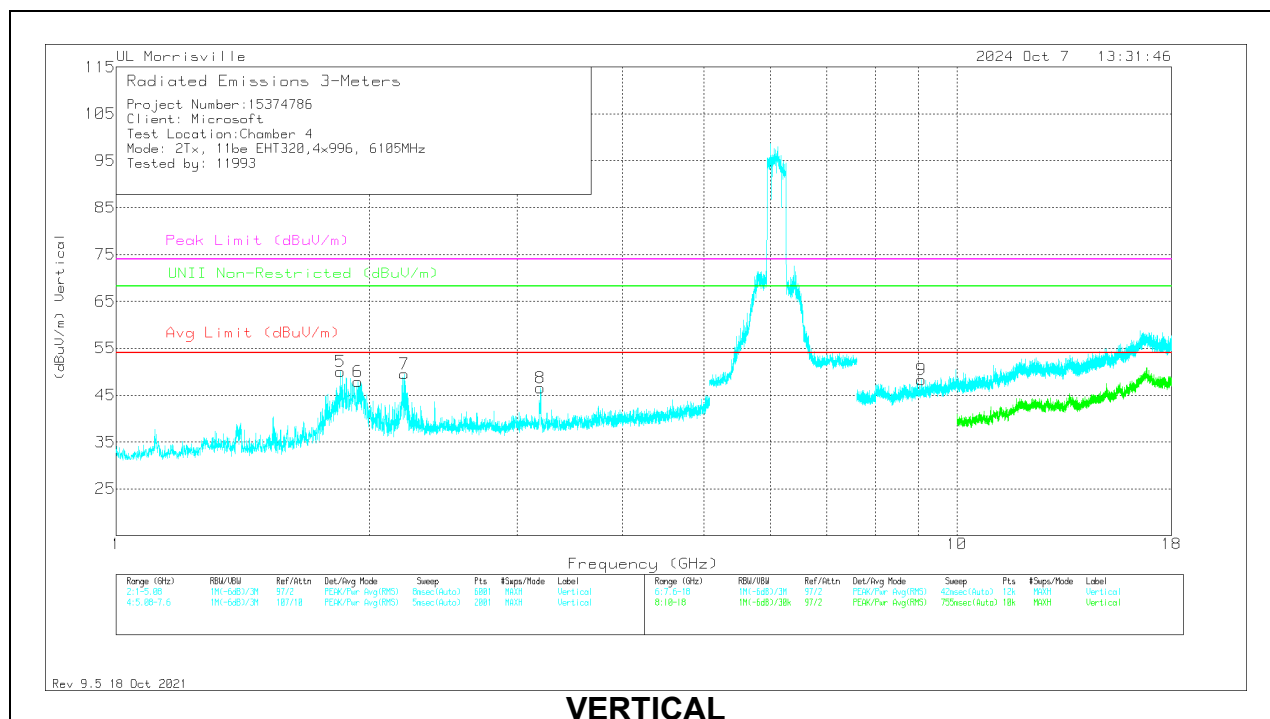
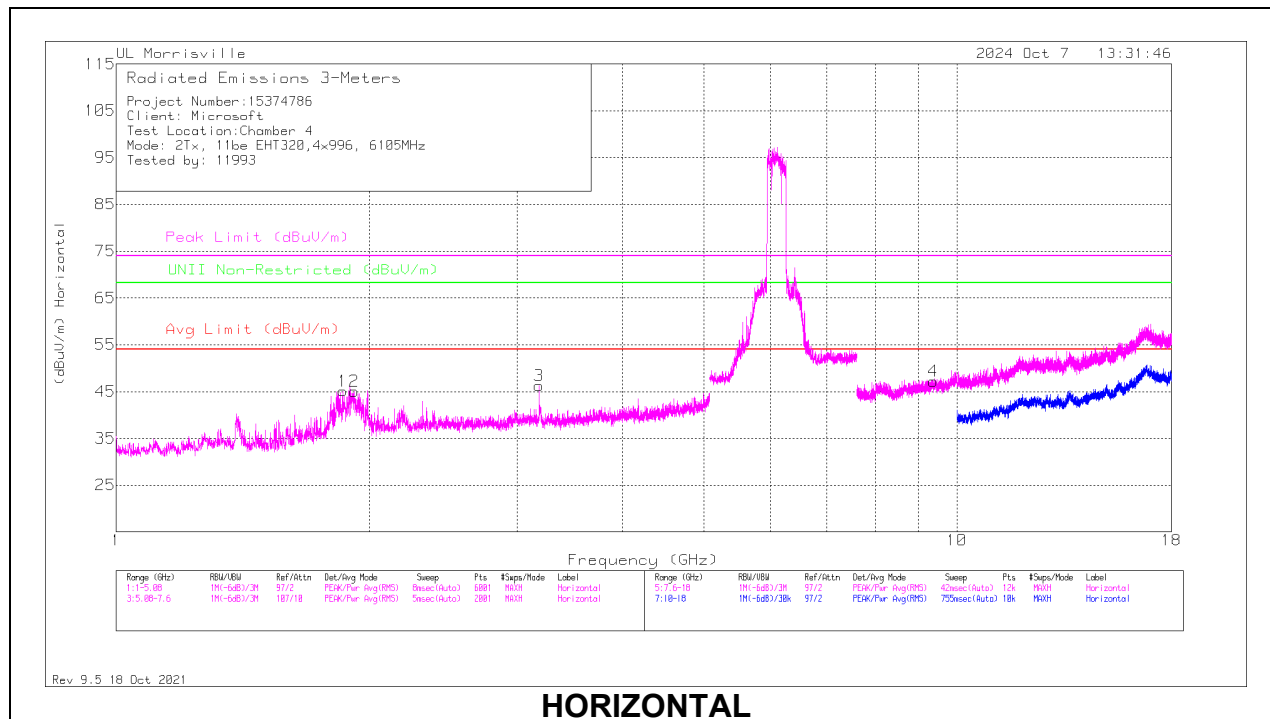
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

## 10.1.2. 802.11be EHT320 4x996T 2Tx MODE IN THE UNII-5 BAND

### HARMONICS AND SPURIOUS EMISSIONS

#### LOW CHANNEL



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | 89509 ACF (dB/m) | Gain/Loss (dB) | Filter (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|------------------|----------------|-------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | ** 1.85952      | 50.23                | Pk   | 30.6             | -35.7          | 0           | 45.13                      | 54                 | -8.87       | 74                  | -28.87         | 68.2                         | -23.07         | 0-360          | 100         | H        |
| 2      | ** 1.91936      | 50.12                | Pk   | 30.6             | -35.6          | 0           | 45.12                      | 54                 | -8.88       | 74                  | -28.88         | 68.2                         | -23.08         | 0-360          | 100         | H        |
| 5      | ** 1.85018      | 58.5                 | PK-U | 30.5             | -35.7          | 0           | 53.3                       | -                  | -           | 74                  | -20.7          | -                            | -              | 306            | 195         | V        |
|        | ** 1.84925      | 37.02                | ADR  | 30.5             | -35.7          | 0           | 31.82                      | 54                 | -22.18      | -                   | -              | -                            | -              | 306            | 195         | V        |
| 6      | ** 1.93772      | 52.84                | Pk   | 30.8             | -35.7          | 0           | 47.94                      | 54                 | -6.06       | 74                  | -26.06         | 68.2                         | -20.26         | 0-360          | 200         | V        |
| 7      | * ** 2.20085    | 54.73                | PK-U | 31.6             | -35.4          | 0           | 50.93                      | -                  | -           | 74                  | -23.07         | -                            | -              | 331            | 120         | V        |
|        | * ** 2.20405    | 36.46                | ADR  | 31.6             | -35.3          | 0           | 32.76                      | 54                 | -21.24      | -                   | -              | -                            | -              | 331            | 120         | V        |
| 4      | * ** 9.36713    | 36.17                | Pk   | 36.5             | -25.6          | .2          | 47.27                      | 54                 | -6.73       | 74                  | -26.73         | -                            | -              | 0-360          | 100         | H        |
| 9      | * ** 9.08332    | 37.44                | PK-U | 36.3             | -25.8          | .7          | 48.64                      | -                  | -           | 74                  | -25.36         | -                            | -              | 240            | 264         | V        |
|        | * ** 9.08299    | 25.85                | ADR  | 36.3             | -25.8          | .7          | 37.05                      | 54                 | -16.95      | -                   | -              | -                            | -              | 240            | 264         | V        |
| 3      | 3.18552         | 47.96                | Pk   | 32.9             | -34.6          | 0           | 46.26                      | -                  | -           | -                   | -              | 68.2                         | -21.94         | 0-360          | 100         | H        |
| 8      | 3.1964          | 48.14                | Pk   | 32.8             | -34.4          | 0           | 46.54                      | -                  | -           | -                   | -              | 68.2                         | -21.66         | 0-360          | 200         | V        |

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

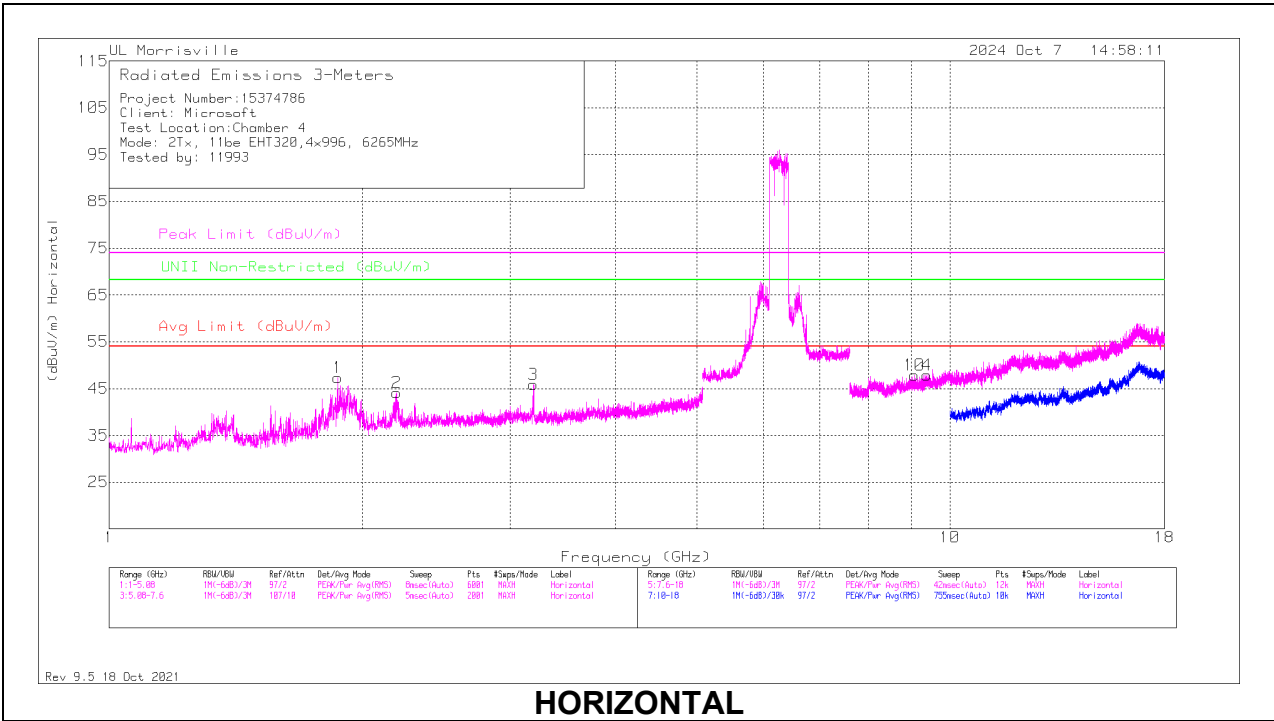
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

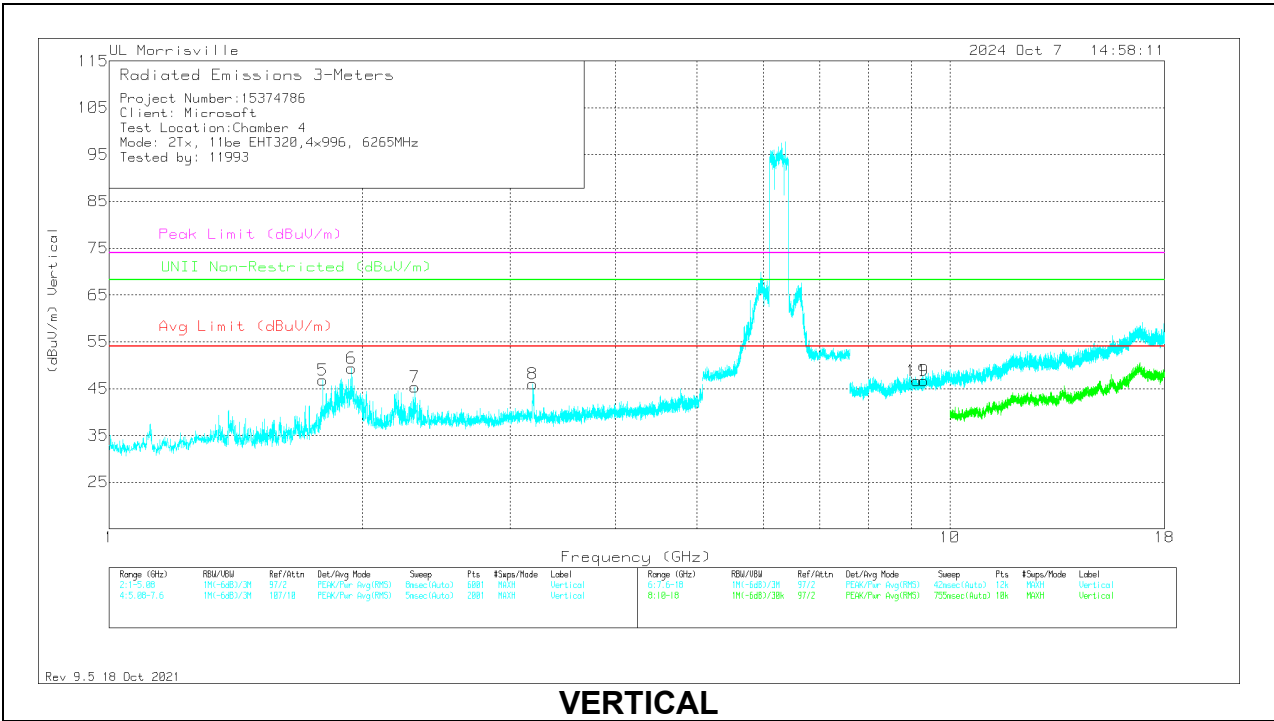
PK-U - Maximum Peak

ADR - RMS average

HIGH CHANNEL



HORIZONTAL



VERTICAL

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | 89509 ACF (dB/m) | Gain/Loss (dB) | Filter (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|------------------|----------------|-------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | ** 1.86773      | 57.01                | PK-U | 30.7             | -35.7          | 0           | 52.01                      | -                  | -           | 74                  | -21.99         | -                            | -              | 18             | 388         | H        |
|        | ** 1.86839      | 37.51                | ADR  | 30.7             | -35.7          | 0           | 32.51                      | 54                 | -21.49      | -                   | -              | -                            | -              | 18             | 388         | H        |
| 6      | ** 1.94133      | 57.55                | PK-U | 30.8             | -35.6          | 0           | 52.75                      | -                  | -           | 74                  | -21.25         | -                            | -              | 123            | 217         | V        |
|        | ** 1.93915      | 37.89                | ADR  | 30.8             | -35.7          | 0           | 32.99                      | 54                 | -21.01      | -                   | -              | -                            | -              | 123            | 217         | V        |
| 4      | *** 9.3966      | 36.6                 | Pk   | 36.6             | -25.6          | .3          | 47.9                       | 54                 | -6.1        | 74                  | -26.1          | -                            | -              | 0-360          | 100         | H        |
| 10     | *** 9.069       | 36.89                | Pk   | 36.2             | -25.9          | .7          | 47.89                      | 54                 | -6.11       | 74                  | -26.11         | -                            | -              | 0-360          | 100         | H        |
| 9      | *** 9.3108      | 35.38                | Pk   | 36.4             | -25.5          | .4          | 46.68                      | 54                 | -7.32       | 74                  | -27.32         | -                            | -              | 0-360          | 200         | V        |
| 11     | *** 9.13053     | 35.76                | Pk   | 36.3             | -25.8          | .4          | 46.66                      | 54                 | -7.34       | 74                  | -27.34         | -                            | -              | 0-360          | 200         | V        |
| 5      | 1.79492         | 52.61                | Pk   | 29.9             | -35.7          | 0           | 46.81                      | -                  | -           | -                   | -              | 68.2                         | -21.39         | 0-360          | 200         | V        |
| 2      | 2.19952         | 47.98                | Pk   | 31.6             | -35.4          | 0           | 44.18                      | -                  | -           | -                   | -              | 68.2                         | -24.02         | 0-360          | 100         | H        |
| 7      | 2.309           | 48.53                | Pk   | 32               | -35.2          | 0           | 45.33                      | -                  | -           | -                   | -              | 68.2                         | -22.87         | 0-360          | 200         | V        |
| 8      | 3.18892         | 47.75                | Pk   | 32.8             | -34.5          | 0           | 46.05                      | -                  | -           | -                   | -              | 68.2                         | -22.15         | 0-360          | 200         | V        |
| 3      | 3.19776         | 47.48                | Pk   | 32.8             | -34.4          | 0           | 45.88                      | -                  | -           | -                   | -              | 68.2                         | -22.32         | 0-360          | 100         | H        |

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

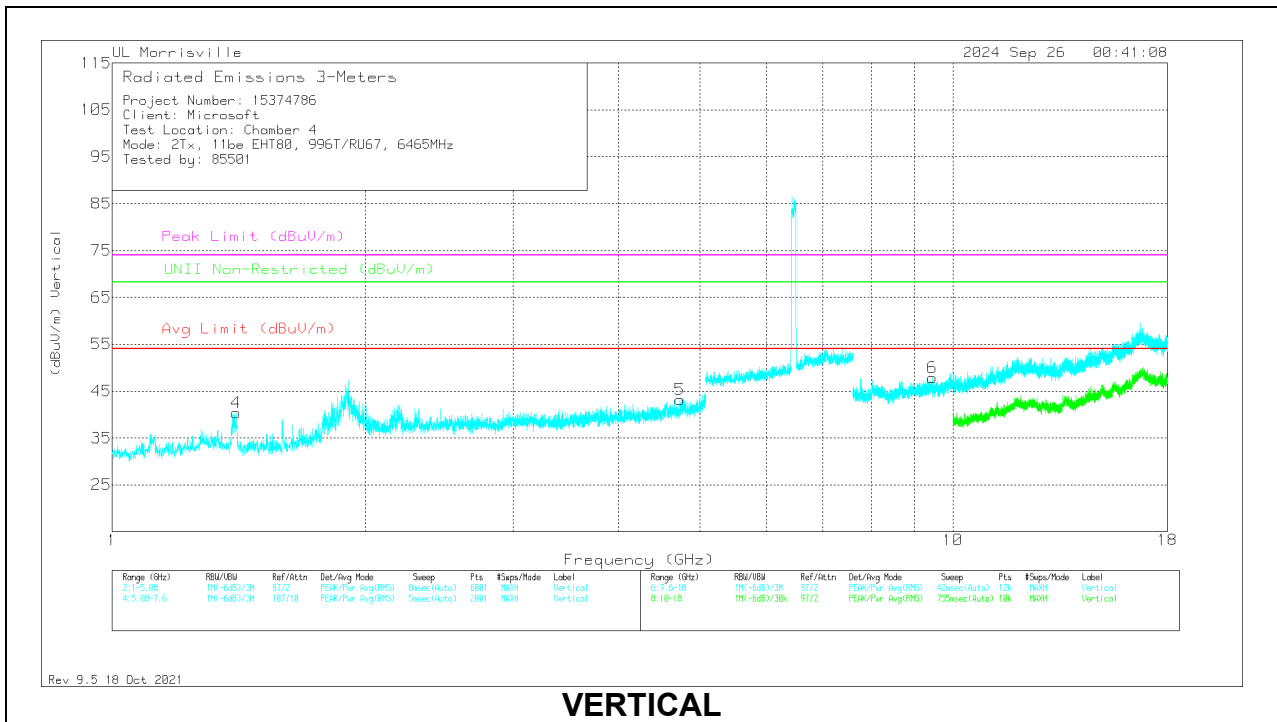
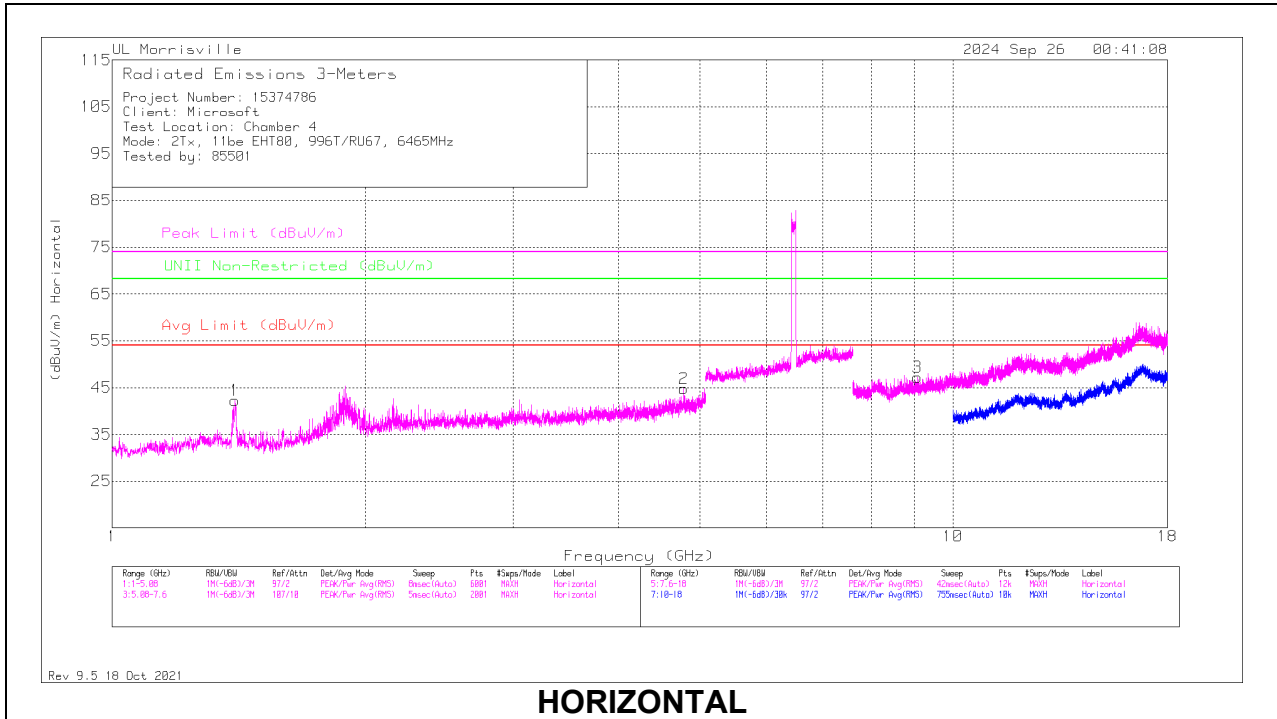
PK-U - Maximum Peak

ADR - RMS average

10.1.3. 802.11be EHT80 996T 2Tx MODE IN THE UNII-6 BAND

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL



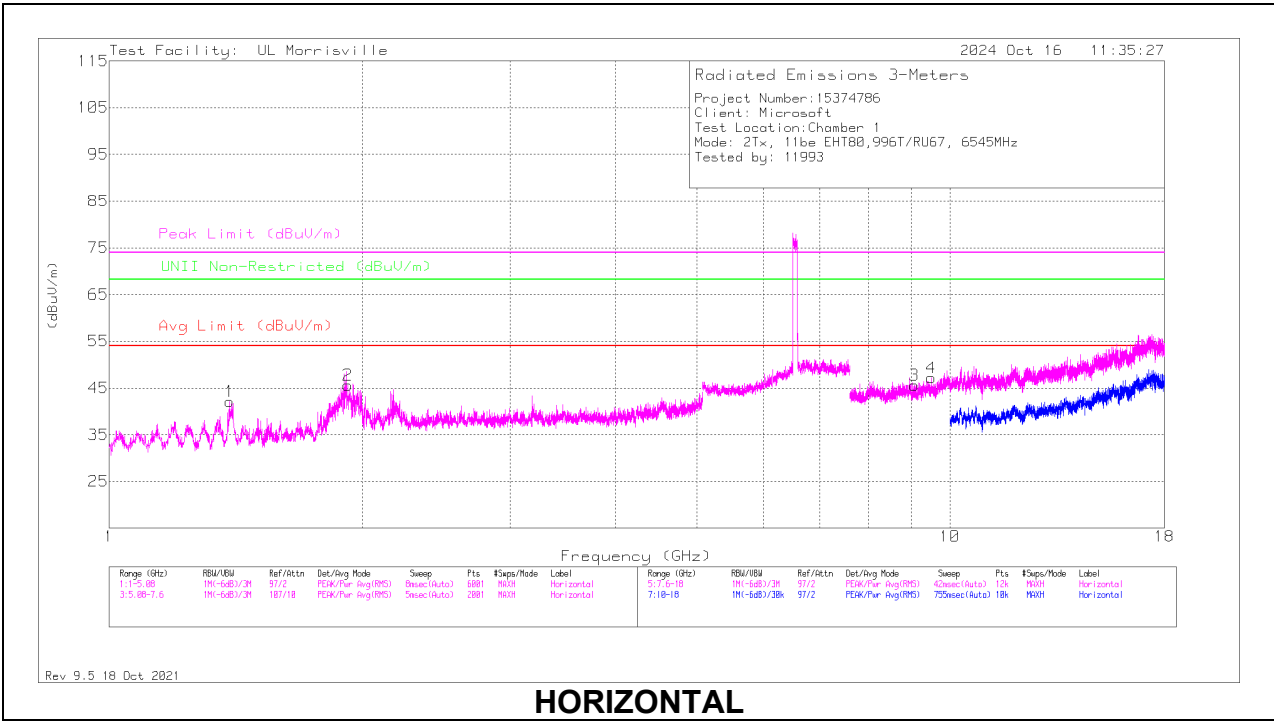
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 89509 ACF (dB/m) | Gain/Loss (dB) | Filter (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|----------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * ** 1.39848    | 49.78                | Pk  | 28.2             | -35.7          | 0           | 0            | 42.28                      | 54                 | -11.72      | 74                  | -31.72         | -                            | -              | 0-360          | 100         | H        |
| 2      | * ** 4.78692    | 40.75                | Pk  | 34.1             | -30.1          | 0           | 0            | 44.75                      | 54                 | -9.25       | 74                  | -29.25         | -                            | -              | 0-360          | 100         | H        |
| 4      | * ** 1.4046     | 47.76                | Pk  | 28.2             | -35.6          | 0           | 0            | 40.36                      | 54                 | -13.64      | 74                  | -33.64         | -                            | -              | 0-360          | 100         | V        |
| 5      | * ** 4.7332     | 40.18                | Pk  | 34               | -31            | 0           | 0            | 43.18                      | 54                 | -10.82      | 74                  | -30.82         | -                            | -              | 0-360          | 100         | V        |
| 3      | * ** 9.07507    | 35.88                | Pk  | 36.3             | -25.7          | .7          | 0            | 47.18                      | 54                 | -6.82       | 74                  | -26.82         | -                            | -              | 0-360          | 100         | H        |
| 6      | * ** 9.4616     | 36.71                | Pk  | 36.7             | -25.9          | .4          | 0            | 47.91                      | 54                 | -6.09       | 74                  | -26.09         | -                            | -              | 0-360          | 100         | V        |

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

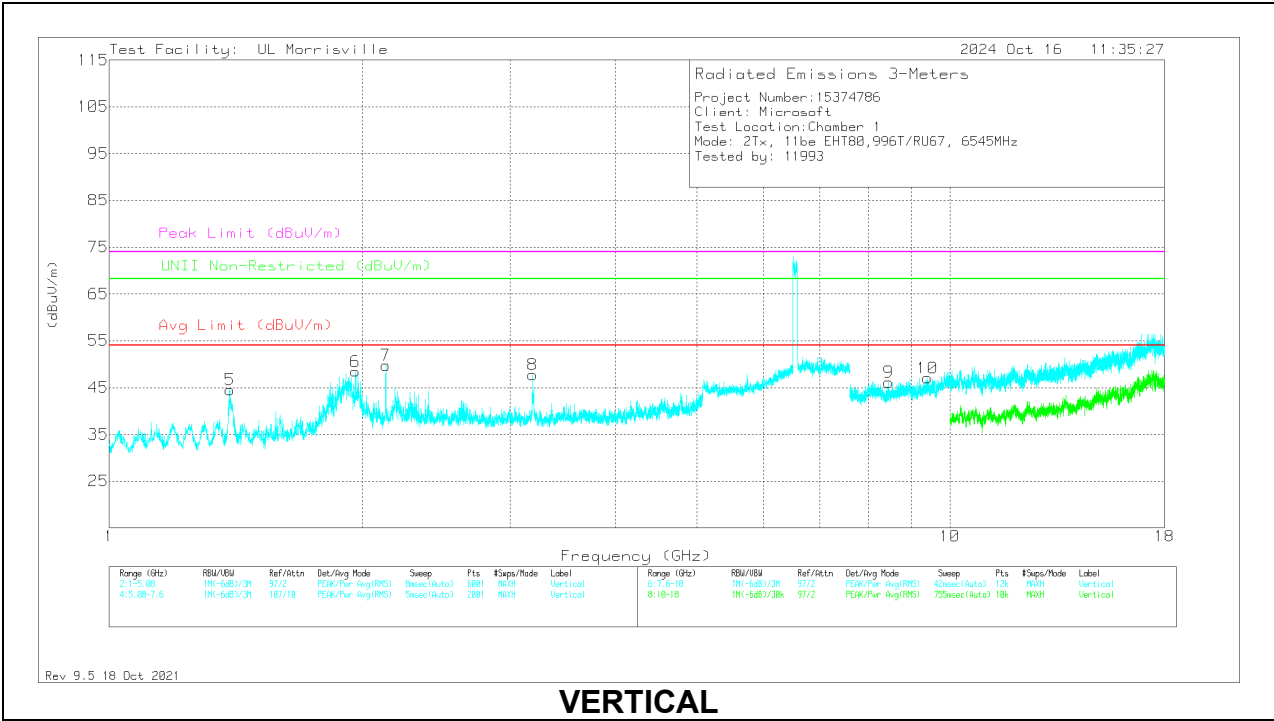
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

HIGH CHANNEL



HORIZONTAL



VERTICAL

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | 135143 (dB/m) | Gain/Loss (dB) | Filter (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|---------------|----------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | *** 1.391       | 61.42                | Pk   | 28.8          | -48.1          | 0           | 0            | 42.12                      | 54                 | -11.88      | 74                  | -31.88         | -                            | -              | 0-360          | 101         | H        |
| 2      | ** 1.92276      | 62.13                | Pk   | 31.4          | -47.9          | 0           | 0            | 45.63                      | 54                 | -8.37       | 74                  | -28.37         | 68.2                         | -22.57         | 0-360          | 101         | H        |
| 5      | * ** 1.39168    | 63.79                | Pk   | 28.8          | -48.1          | 0           | 0            | 44.49                      | 54                 | -9.51       | 74                  | -29.51         | -                            | -              | 0-360          | 200         | V        |
| 6      | ** 1.96339      | 67.87                | PK-U | 31.5          | -47.8          | 0           | 0            | 51.57                      | -                  | -           | 74                  | -22.43         | -                            | -              | 218            | 329         | V        |
|        | ** 1.96466      | 48.76                | ADR  | 31.6          | -47.8          | 0           | .09          | 32.65                      | 54                 | -21.35      | -                   | -              | -                            | -              | 218            | 329         | V        |
| 7      | ** 2.1331       | 60.05                | PK-U | 31.7          | -47.8          | 0           | 0            | 43.95                      | -                  | -           | 74                  | -30.05         | -                            | -              | 356            | 144         | V        |
|        | ** 2.1338       | 46.66                | ADR  | 31.7          | -47.9          | 0           | .09          | 30.55                      | 54                 | -23.45      | -                   | -              | -                            | -              | 356            | 144         | V        |
| 3      | *** 9.0664      | 50.21                | Pk   | 35.8          | -41.1          | .7          | 0            | 45.61                      | 54                 | -8.39       | 74                  | -28.39         | -                            | -              | 0-360          | 101         | H        |
| 9      | * ** 8.45453    | 51.11                | Pk   | 35.8          | -41.3          | .5          | 0            | 46.11                      | 54                 | -7.89       | 74                  | -27.89         | -                            | -              | 0-360          | 200         | V        |
| 10     | * ** 9.41307    | 51.02                | Pk   | 36.3          | -40.7          | .4          | 0            | 47.02                      | 54                 | -6.98       | 74                  | -26.98         | -                            | -              | 0-360          | 101         | V        |
| 8      | 3.19028         | 59.97                | Pk   | 32.6          | -44.8          | 0           | 0            | 47.77                      | -                  | -           | -                   | -              | 68.2                         | -20.43         | 0-360          | 200         | V        |
| 4      | 9.51013         | 51.36                | Pk   | 36.4          | -40.9          | .3          | 0            | 47.16                      | -                  | -           | -                   | -              | 68.2                         | -21.04         | 0-360          | 200         | H        |

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

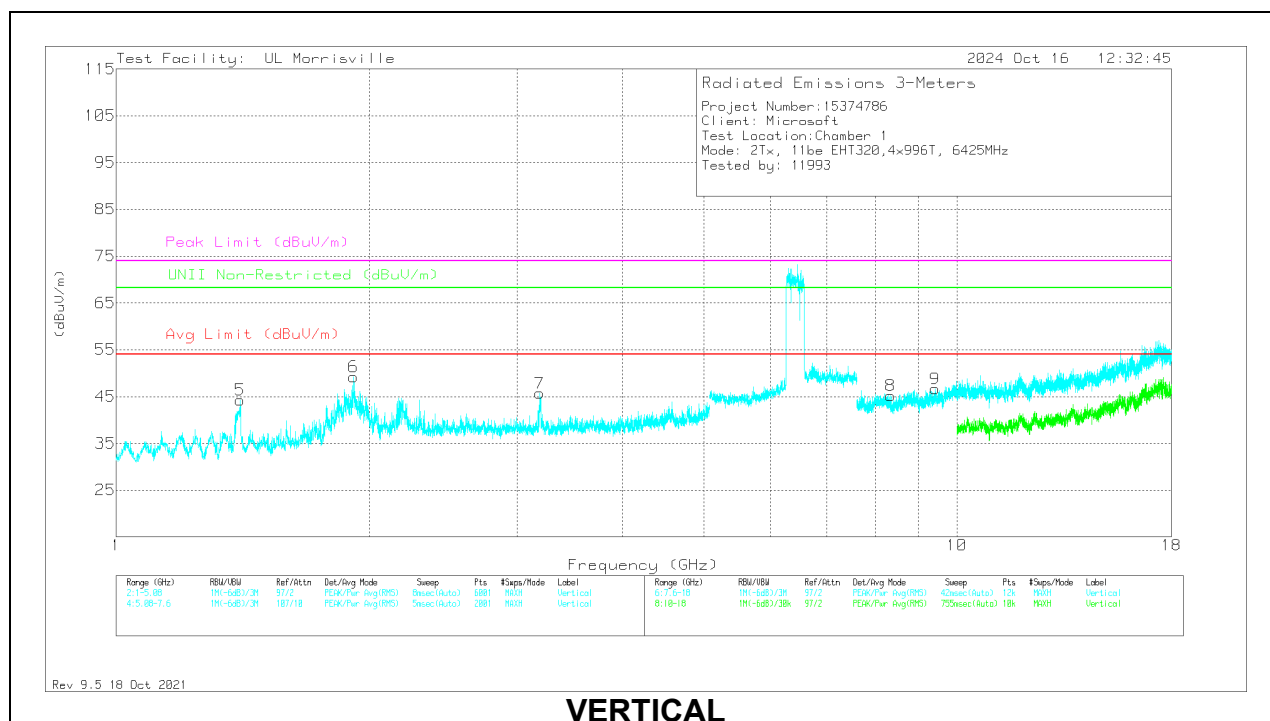
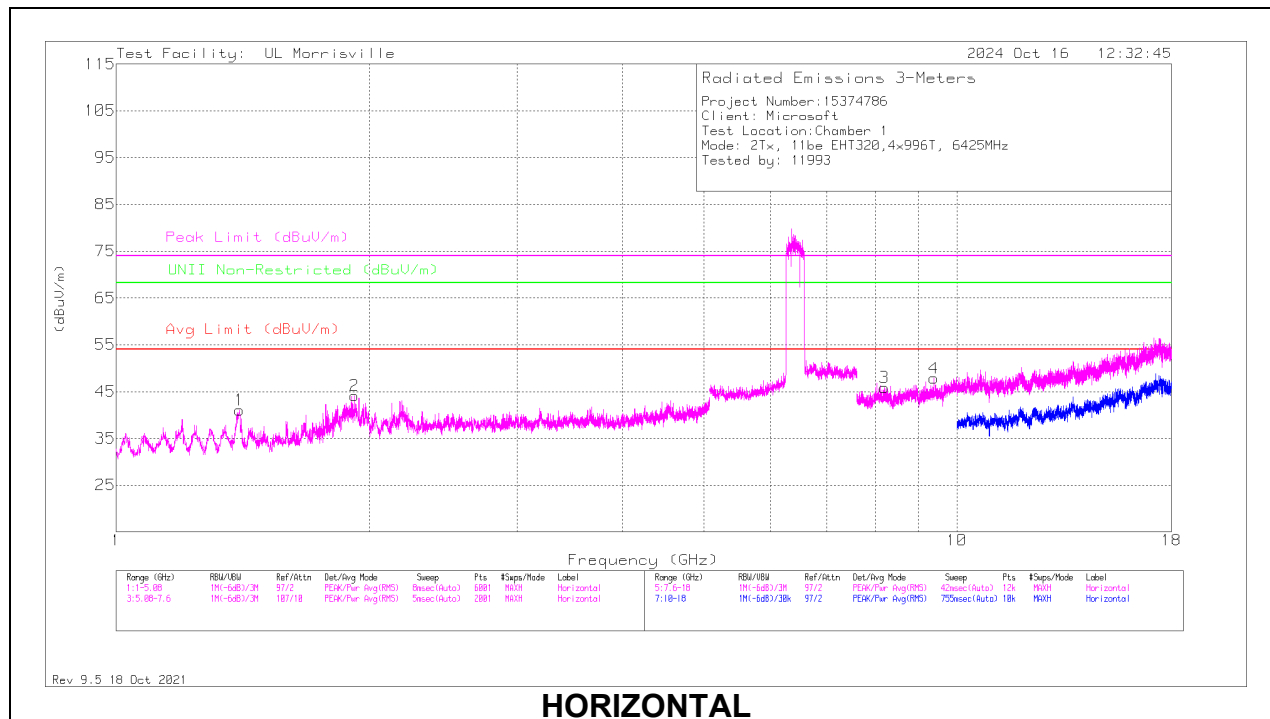
PK-U - Maximum Peak

ADR - RMS average

## 10.1.4. 802.11be EHT320 4x996T 2Tx MODE IN THE UNII-6 BAND

### HARMONICS AND SPURIOUS EMISSIONS

#### LOW CHANNEL



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | 135143 (dB/m) | Gain/Loss (dB) | Filter (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|---------------|----------------|-------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * ** 1.4012     | 60.13                | Pk   | 28.7          | -47.8          | 0           | 41.03                      | 54                 | -12.97      | 74                  | -32.97         | -                            | -              | 0-360          | 101         | H        |
| 2      | ** 1.92072      | 60.79                | Pk   | 31.4          | -48            | 0           | 44.19                      | 54                 | -9.81       | 74                  | -29.81         | 68.2                         | -24.01         | 0-360          | 101         | H        |
| 5      | * ** 1.40392    | 63.25                | Pk   | 28.7          | -47.7          | 0           | 44.25                      | 54                 | -9.75       | 74                  | -29.75         | -                            | -              | 0-360          | 200         | V        |
| 6      | ** 1.91669      | 70.32                | PK-U | 31.3          | -48            | 0           | 53.62                      | -                  | -           | 74                  | -20.38         | -                            | -              | 42             | 326         | V        |
|        | ** 1.91766      | 49.37                | ADR  | 31.3          | -48            | 0           | 32.67                      | 54                 | -21.33      | -                   | -              | -                            | -              | 42             | 326         | V        |
| 3      | * ** 8.2006     | 50.76                | Pk   | 35.9          | -41.6          | .8          | 45.86                      | 54                 | -8.14       | 74                  | -28.14         | -                            | -              | 0-360          | 199         | H        |
| 4      | * ** 9.38447    | 52.33                | Pk   | 36.2          | -41            | .3          | 47.83                      | 54                 | -6.17       | 74                  | -26.17         | -                            | -              | 0-360          | 101         | H        |
| 8      | * ** 8.34533    | 50.36                | Pk   | 35.8          | -41.5          | .6          | 45.26                      | 54                 | -8.74       | 74                  | -28.74         | -                            | -              | 0-360          | 101         | V        |
| 9      | * ** 9.41567    | 50.22                | Pk   | 36.3          | -40.3          | .4          | 46.62                      | 54                 | -7.38       | 74                  | -27.38         | -                            | -              | 0-360          | 200         | V        |
| 7      | 3.18892         | 57.88                | Pk   | 32.6          | -44.8          | 0           | 45.68                      | -                  | -           | -                   | -              | 68.2                         | -22.52         | 0-360          | 200         | V        |

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

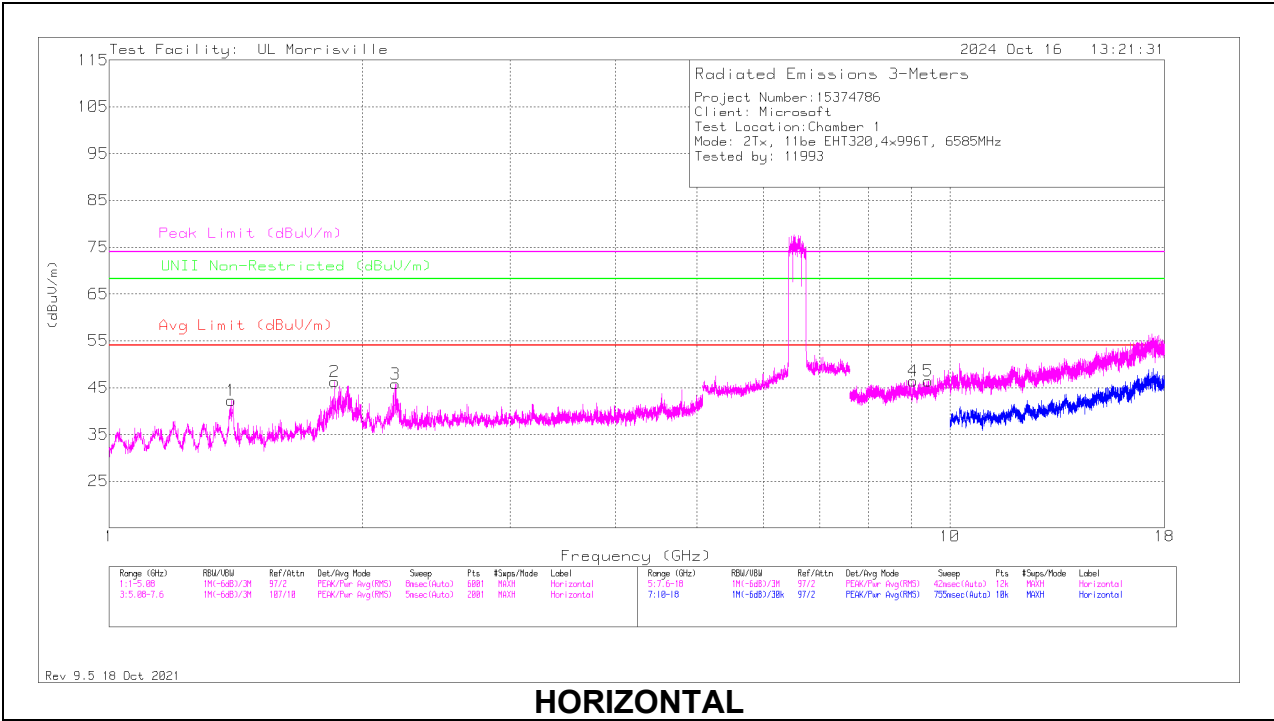
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

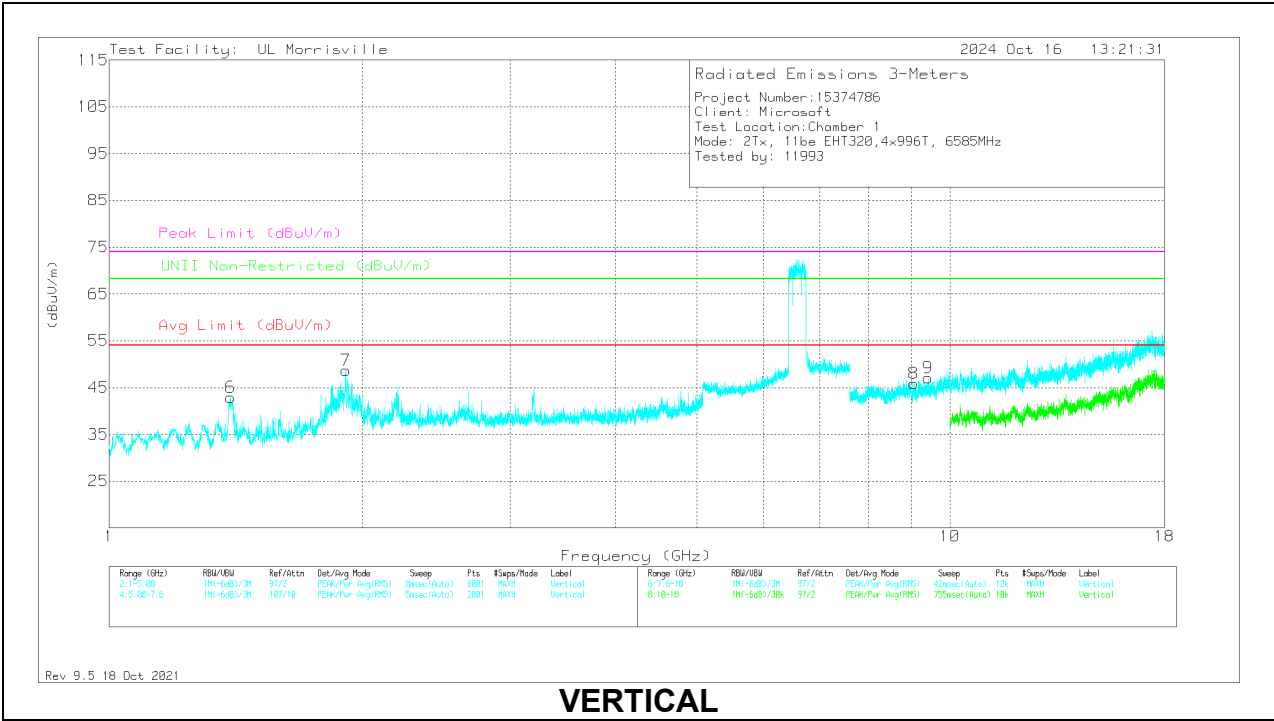
PK-U - Maximum Peak

ADR - RMS average

HIGH CHANNEL



HORIZONTAL



VERTICAL

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | 135143 (dB/m) | Gain/Loss (dB) | Filter (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | UNII Non-Restricted (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|---------------|----------------|-------------|----------------------------|--------------------|-------------|---------------------|-------------|------------------------------|-------------|----------------|-------------|----------|
| 1      | * ** 1.39644    | 61.63                | Pk   | 28.7          | -48.1          | 0           | 42.23                      | 54                 | -11.77      | 74                  | -31.77      | -                            | -           | 0-360          | 101         | H        |
| 2      | ** 1.85476      | 63.24                | Pk   | 30.9          | -47.9          | 0           | 46.24                      | 54                 | -7.76       | 74                  | -27.76      | -                            | -           | 0-360          | 200         | H        |
| 6      | * ** 1.39508    | 62.29                | Pk   | 28.7          | -48.1          | 0           | 42.89                      | 54                 | -11.11      | 74                  | -31.11      | -                            | -           | 0-360          | 101         | V        |
| 7      | ** 1.90955      | 70.98                | PK-U | 31.3          | -47.8          | 0           | 54.48                      | -                  | -           | 74                  | -           | -                            | -           | 4              | 193         | V        |
|        | ** 1.91299      | 50.65                | ADR  | 31.3          | -47.9          | 0           | 34.05                      | 54                 | -19.95      | -                   | -           | -                            | -           | 4              | 193         | V        |
| 4      | * ** 9.0378     | 50.46                | Pk   | 35.8          | -40.5          | .6          | 46.36                      | 54                 | -7.64       | 74                  | -27.64      | -                            | -           | 0-360          | 200         | H        |
| 5      | * ** 9.42693    | 51.02                | Pk   | 36.3          | -41.3          | .4          | 46.42                      | 54                 | -7.58       | 74                  | -27.58      | -                            | -           | 0-360          | 200         | H        |
| 8      | * ** 9.05687    | 50.23                | Pk   | 35.8          | -40.8          | .7          | 45.93                      | 54                 | -8.07       | 74                  | -28.07      | -                            | -           | 0-360          | 101         | V        |
| 9      | * ** 9.41653    | 50.65                | Pk   | 36.3          | -40.3          | .4          | 47.05                      | 54                 | -6.95       | 74                  | -26.95      | -                            | -           | 0-360          | 200         | V        |
| 3      | 2.18932         | 62                   | Pk   | 31.5          | -47.7          | 0           | 45.8                       | -                  | -           | -                   | -           | 68.2                         | -22.4       | 0-360          | 200         | H        |

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

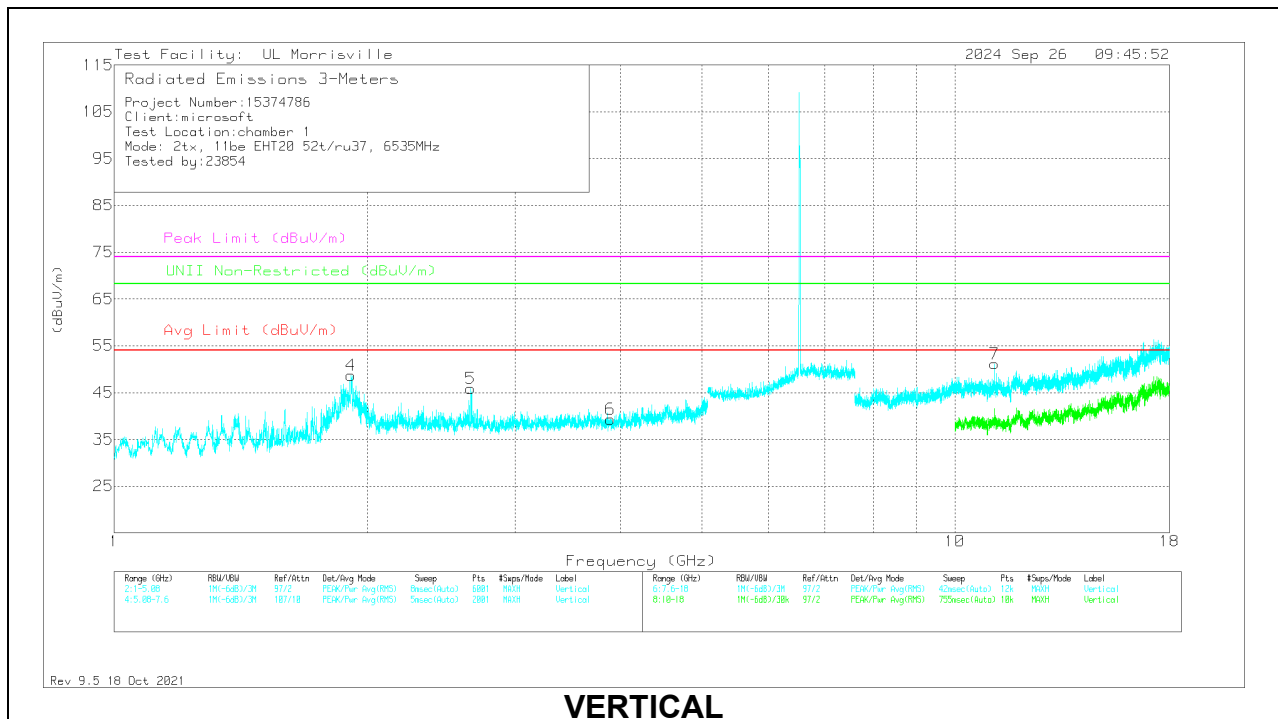
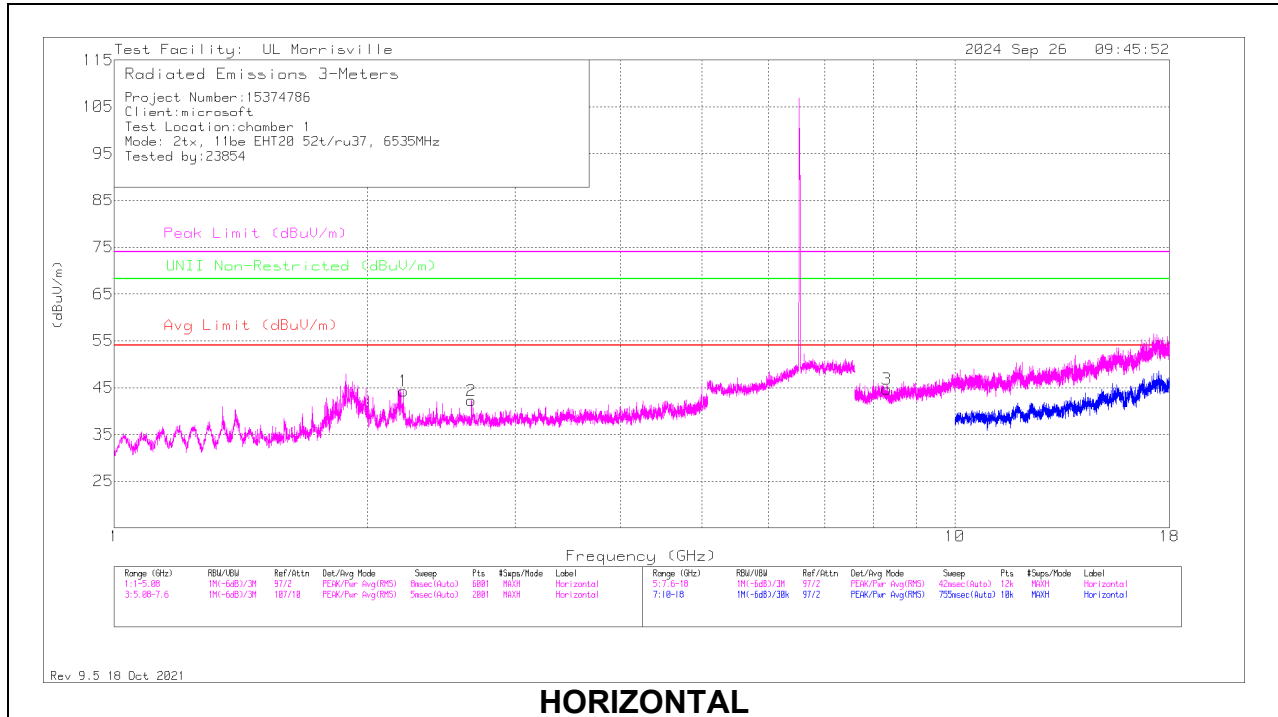
PK-U - Maximum Peak

ADR - RMS average

## 10.1.5. 802.11be EHT20 52T 2Tx MODE IN THE UNII-7 BAND

### HARMONICS AND SPURIOUS EMISSIONS

#### LOW CHANNEL



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | 135143 (dB/m) | Gain/Loss (dB) | Filter (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|---------------|----------------|-------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * ** 2.20836    | 60.4                 | Pk   | 31.6          | -47.7          | 0           | 44.3                       | 54                 | -9.7        | 74                  | -29.7          | -                            | -              | 0-360          | 199         | H        |
| 2      | * ** 2.66124    | 57                   | Pk   | 32.5          | -47.3          | 0           | 42.2                       | 54                 | -11.8       | 74                  | -31.8          | -                            | -              | 0-360          | 101         | H        |
| 4      | ** 1.91251      | 70.97                | PK-U | 31.3          | -47.9          | 0           | 54.37                      | -                  | -           | 74                  | -19.63         | -                            | -              | 237            | 357         | V        |
|        | ** 1.91363      | 51.46                | ADR  | 31.3          | -47.9          | 0           | 34.86                      | 54                 | -19.14      | -                   | -              | -                            | -              | 237            | 357         | V        |
| 5      | * ** 2.65648    | 60.69                | Pk   | 32.5          | -47.3          | 0           | 45.89                      | 54                 | -8.11       | 74                  | -28.11         | -                            | -              | 0-360          | 200         | V        |
| 6      | * ** 3.89136    | 51.16                | Pk   | 32.9          | -44.7          | 0           | 39.36                      | 54                 | -14.64      | 74                  | -34.64         | -                            | -              | 0-360          | 200         | V        |
| 3      | * ** 8.29507    | 49.64                | Pk   | 35.9          | -41.5          | .6          | 44.64                      | 54                 | -9.36       | 74                  | -29.36         | -                            | -              | 0-360          | 101         | H        |
| 7      | * ** 11.15646   | 55.28                | PK-U | 37.7          | -39.4          | .3          | 53.88                      | -                  | -           | 74                  | -20.12         | -                            | -              | 11             | 240         | V        |
|        | * ** 11.15583   | 41.98                | ADR  | 37.7          | -39.4          | .3          | 40.58                      | 54                 | -13.42      | -                   | -              | -                            | -              | 11             | 240         | V        |

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

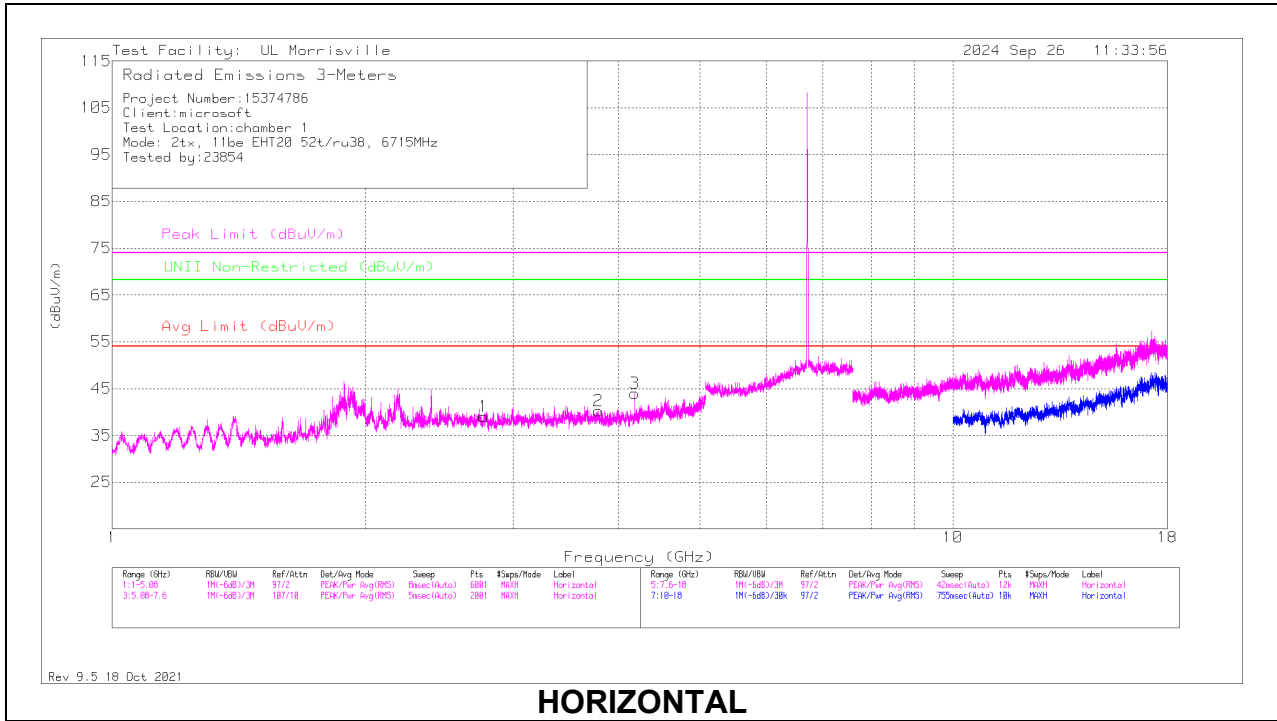
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

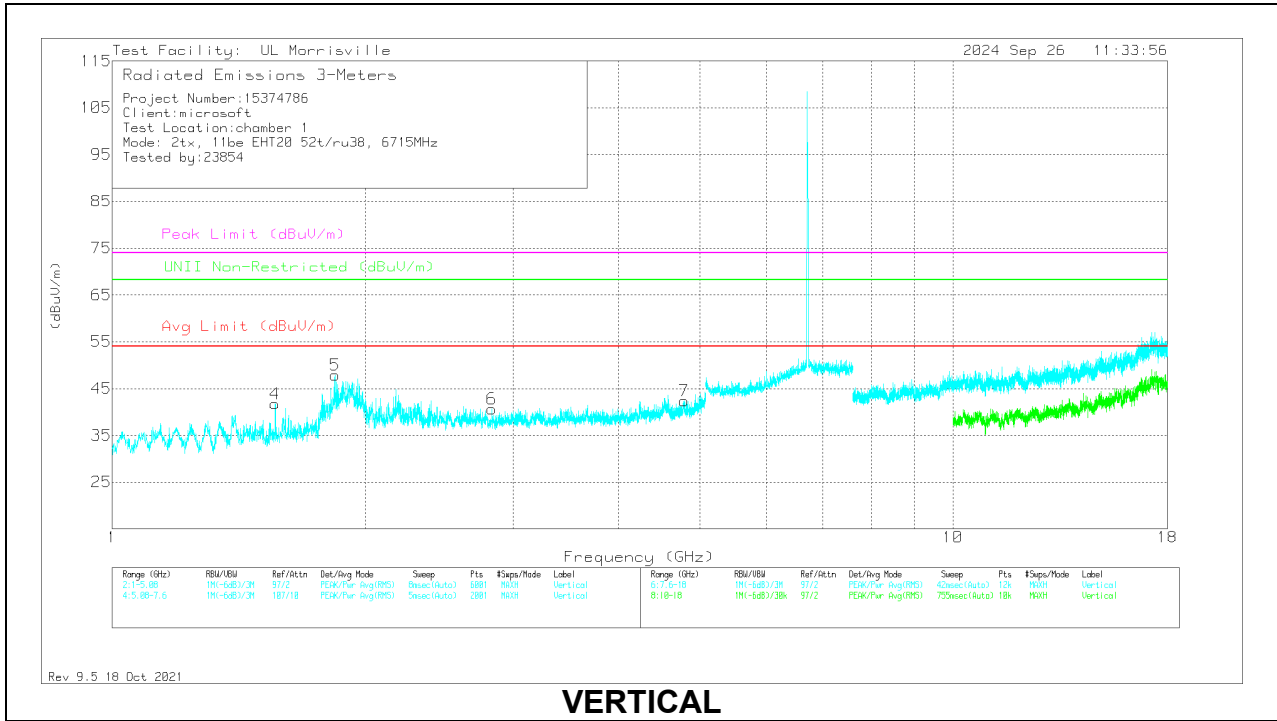
PK-U - Maximum Peak

ADR - RMS average

MID CHANNEL



HORIZONTAL



VERTICAL

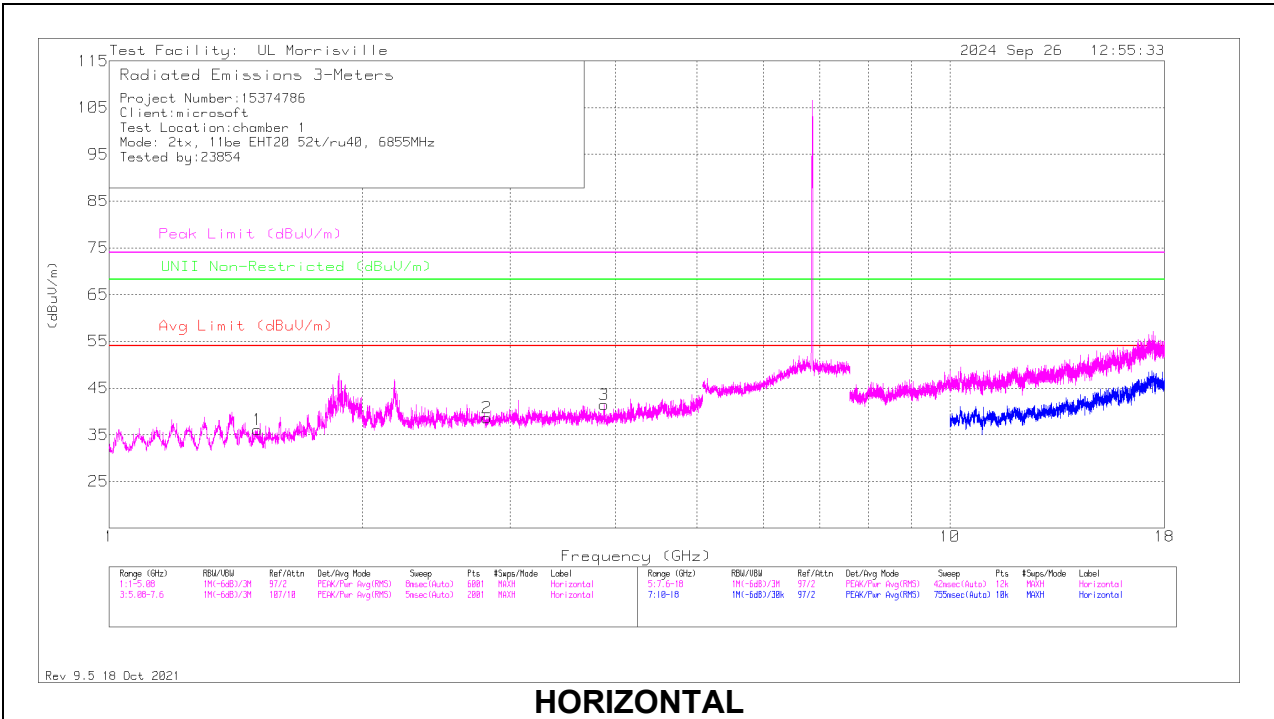
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 135143 (dB/m) | Gain/Loss (dB) | Filter (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------------|-------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * ** 2.7646     | 53.08                | Pk  | 32.6          | -46.6          | 0           | 39.08                      | 54                 | -14.92      | 74                  | -34.92         | -                            | -              | 0-360          | 200         | H        |
| 2      | * ** 3.78664    | 51.42                | Pk  | 33.1          | -44.3          | 0           | 40.22                      | 54                 | -13.78      | 74                  | -33.78         | -                            | -              | 0-360          | 200         | H        |
| 3      | * ** 4.18172    | 56.05                | Pk  | 33.5          | -45.5          | 0           | 44.05                      | 54                 | -9.95       | 74                  | -29.95         | -                            | -              | 0-360          | 200         | H        |
| 4      | *** 1.56304     | 61.48                | Pk  | 28            | -47.7          | 0           | 41.78                      | 54                 | -12.22      | 74                  | -32.22         | -                            | -              | 0-360          | 200         | V        |
| 5      | ** 1.84116      | 65.14                | Pk  | 30.8          | -48.1          | 0           | 47.84                      | -                  | -           | -                   | -              | 68.2                         | -20.36         | 0-360          | 200         | V        |
| 6      | * ** 2.8292     | 54.6                 | Pk  | 32.5          | -46.4          | 0           | 40.7                       | 54                 | -13.3       | 74                  | -33.3          | -                            | -              | 0-360          | 101         | V        |
| 7      | * ** 4.7944     | 53.72                | Pk  | 33.9          | -45.2          | 0           | 42.42                      | 54                 | -11.58      | 74                  | -31.58         | -                            | -              | 0-360          | 200         | V        |

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

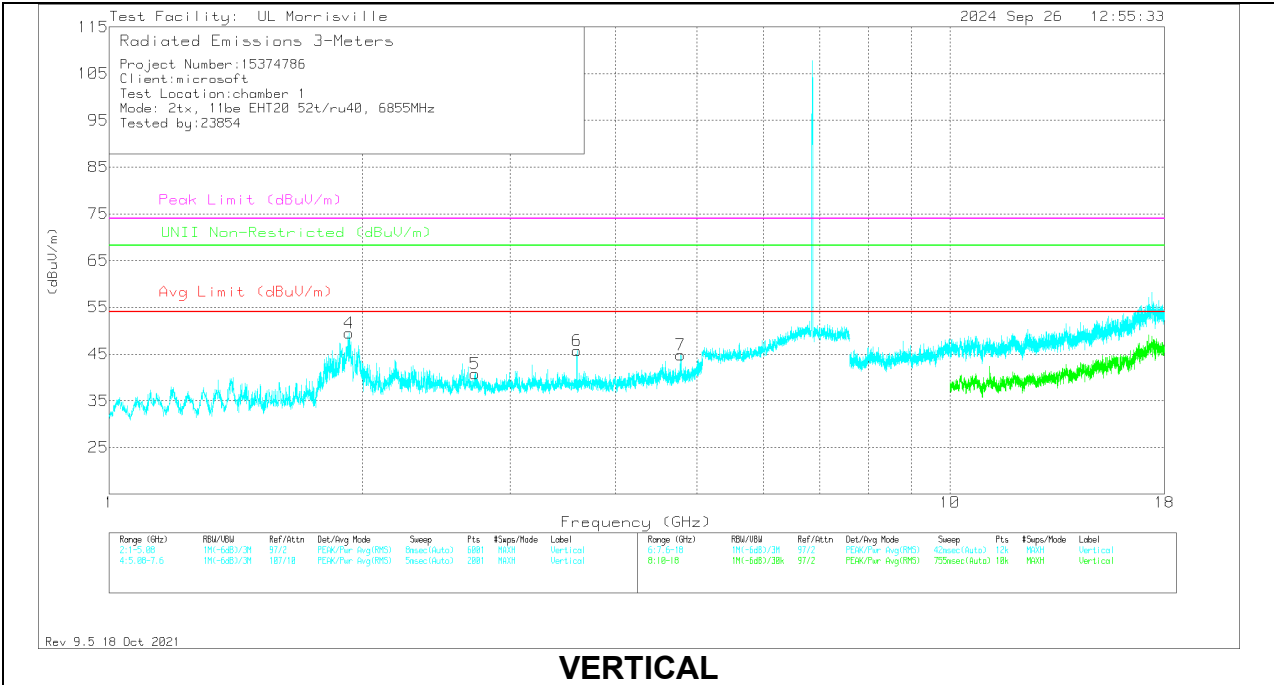
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

HIGH CHANNEL



HORIZONTAL



VERTICAL

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 135143 (dB/m) | Gain/Loss (dB) | Filter (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------------|-------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * ** 1.50252    | 55.83                | Pk  | 28.2          | -47.9          | 0           | 36.13                      | 54                 | -17.87      | 74                  | -37.87         | -                            | -              | 0-360          | 200         | H        |
| 2      | * ** 2.81628    | 52.5                 | Pk  | 32.5          | -46.4          | 0           | 38.6                       | 54                 | -15.4       | 74                  | -35.4          | -                            | -              | 0-360          | 101         | H        |
| 3      | * ** 3.87912    | 53.1                 | Pk  | 32.9          | -44.6          | 0           | 41.4                       | 54                 | -12.6       | 74                  | -32.6          | -                            | -              | 0-360          | 101         | H        |
| 4      | ** 1.92888      | 65.91                | Pk  | 31.4          | -47.8          | 0           | 49.51                      | -                  | -           | -                   | -              | 68.2                         | -18.69         | 0-360          | 200         | V        |
| 5      | * ** 2.72312    | 55.31                | Pk  | 32.6          | -47.1          | 0           | 40.81                      | 54                 | -13.19      | 74                  | -33.19         | -                            | -              | 0-360          | 200         | V        |
| 6      | * ** 3.60032    | 57.08                | Pk  | 33.1          | -44.4          | 0           | 45.78                      | 54                 | -8.22       | 74                  | -28.22         | -                            | -              | 0-360          | 101         | V        |
| 7      | * ** 4.78148    | 55.66                | Pk  | 33.8          | -44.6          | 0           | 44.86                      | 54                 | -9.14       | 74                  | -29.14         | -                            | -              | 0-360          | 200         | V        |

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

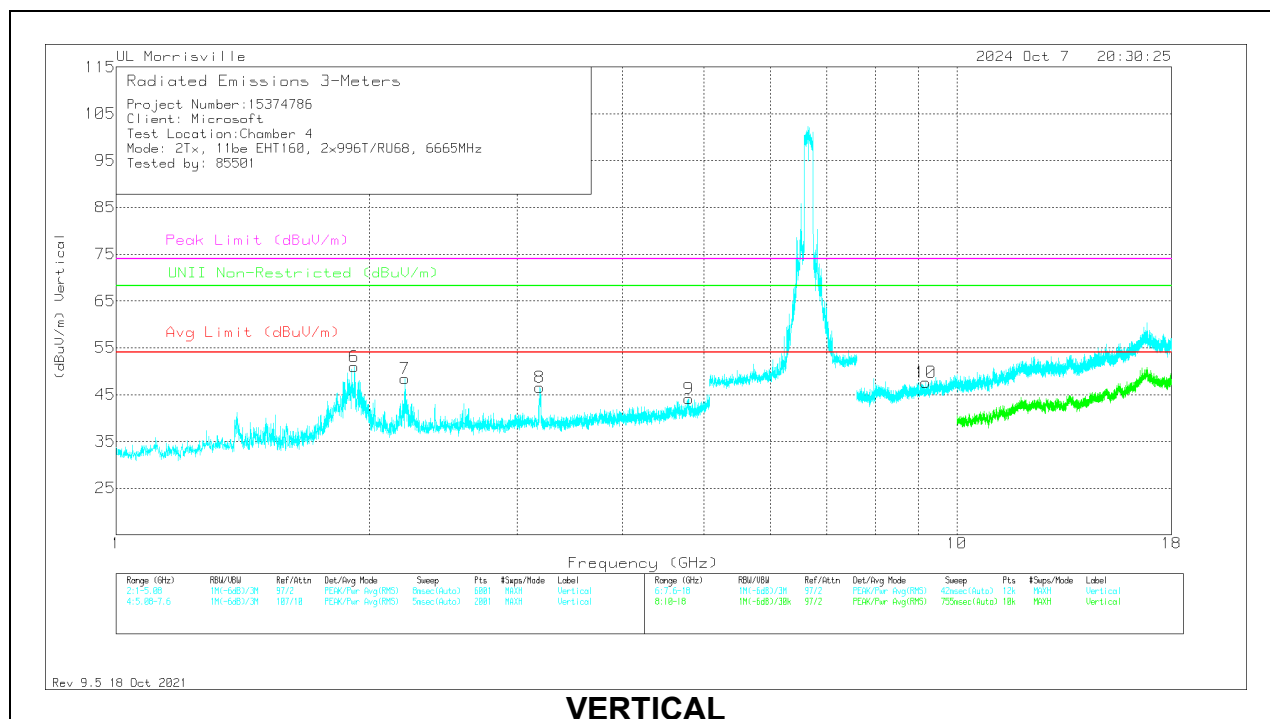
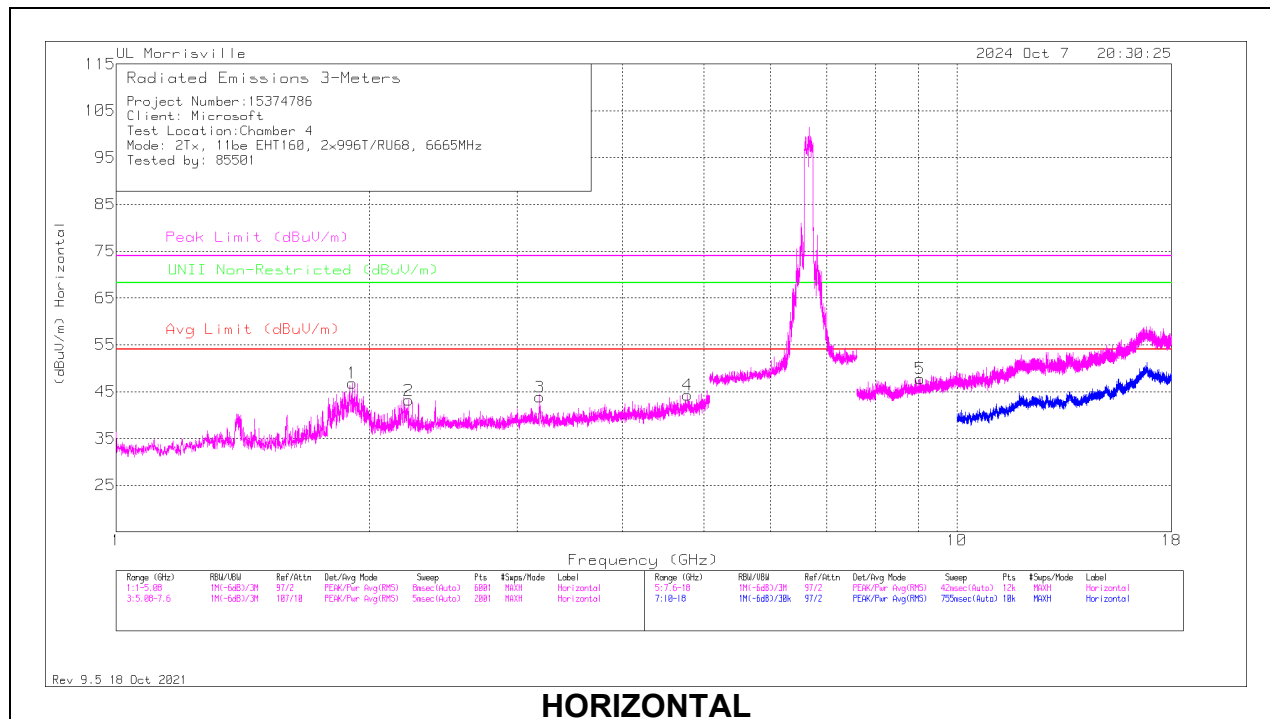
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

## 10.1.6. 802.11be EHT160 2x996T 2Tx MODE IN THE UNII-7 BAND

### HARMONICS AND SPURIOUS EMISSIONS

#### MID CHANNEL



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | 89509 ACF (dB/m) | Gain/Loss (dB) | Filter (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|------------------|----------------|-------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | ** 1.90848      | 51.86                | Pk   | 30.7             | -35.7          | 0           | 46.86                      | 54                 | -7.14       | -                   | -              | 68.2                         | -21.34         | 0-360          | 100         | H        |
| 2      | *** 2.22672     | 46.83                | Pk   | 31.7             | -35.4          | 0           | 43.13                      | 54                 | -10.87      | 74                  | -30.87         | -                            | -              | 0-360          | 100         | H        |
| 4      | *** 4.78216     | 40.12                | Pk   | 34.1             | -29.9          | 0           | 44.32                      | 54                 | -9.68       | 74                  | -29.68         | -                            | -              | 0-360          | 100         | H        |
| 6      | ** 1.92018      | 43.36                | PK-U | 30.6             | -35.6          | 0           | 38.36                      | -                  | -           | -                   | -              | 68.2                         | -29.84         | 130            | 278         | V        |
|        | ** 1.91817      | 31.45                | ADR  | 30.6             | -35.6          | 0           | 26.45                      | 54                 | -27.55      | -                   | -              | -                            | -              | 130            | 278         | V        |
| 7      | *** 2.20849     | 43.36                | PK-U | 31.6             | -35.3          | 0           | 39.66                      | -                  | -           | 74                  | -34.34         | -                            | -              | 350            | 299         | V        |
|        | *** 2.20856     | 31.45                | ADR  | 31.6             | -35.3          | 0           | 27.75                      | 54                 | -26.25      | -                   | -              | -                            | -              | 350            | 299         | V        |
| 9      | *** 4.7978      | 40.42                | Pk   | 34.1             | -30.4          | 0           | 44.12                      | 54                 | -9.88       | 74                  | -29.88         | -                            | -              | 0-360          | 200         | V        |
| 5      | *** 9.0404      | 36.5                 | Pk   | 36.2             | -25.5          | .6          | 47.8                       | 54                 | -6.2        | 74                  | -26.2          | -                            | -              | 0-360          | 100         | H        |
| 10     | *** 9.17907     | 36.54                | Pk   | 36.4             | -25.8          | .5          | 47.64                      | 54                 | -6.36       | 74                  | -26.36         | -                            | -              | 0-360          | 200         | V        |
| 3      | 3.18892         | 45.51                | Pk   | 32.8             | -34.5          | 0           | 43.81                      | -                  | -           | -                   | -              | 68.2                         | -24.39         | 0-360          | 100         | H        |
| 8      | 3.18892         | 48.24                | Pk   | 32.8             | -34.5          | 0           | 46.54                      | -                  | -           | -                   | -              | 68.2                         | -21.66         | 0-360          | 200         | V        |

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

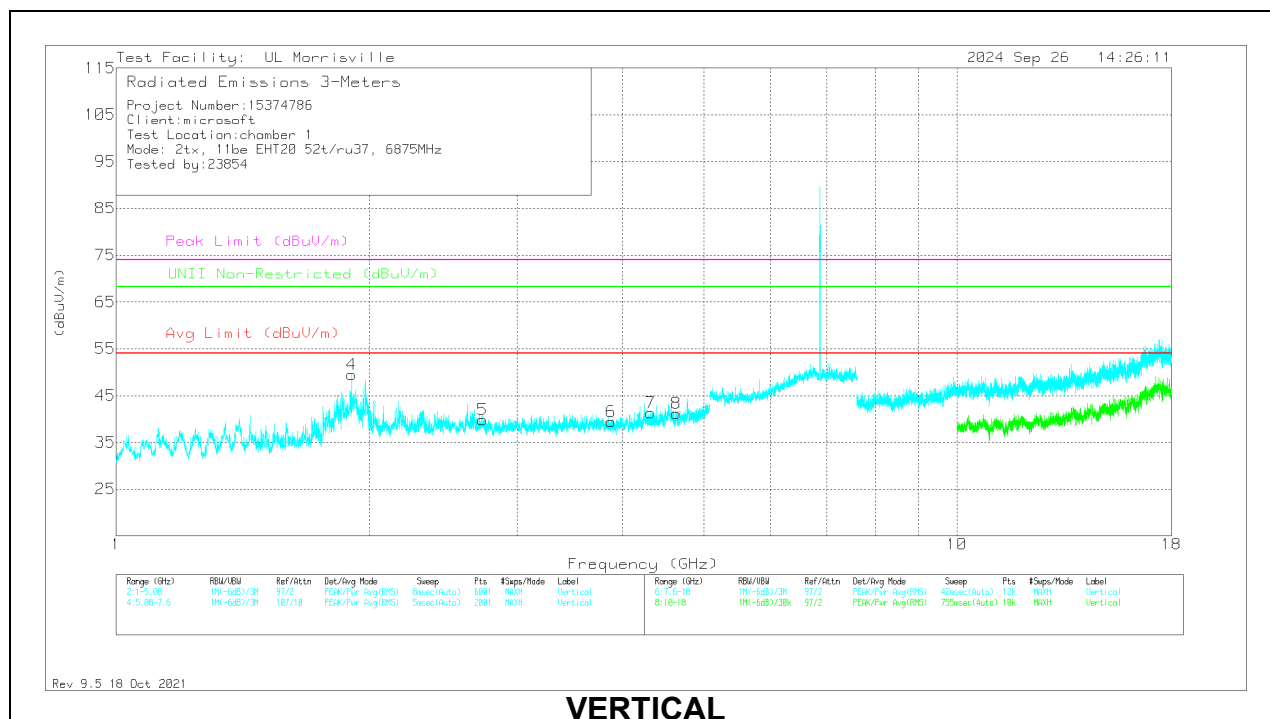
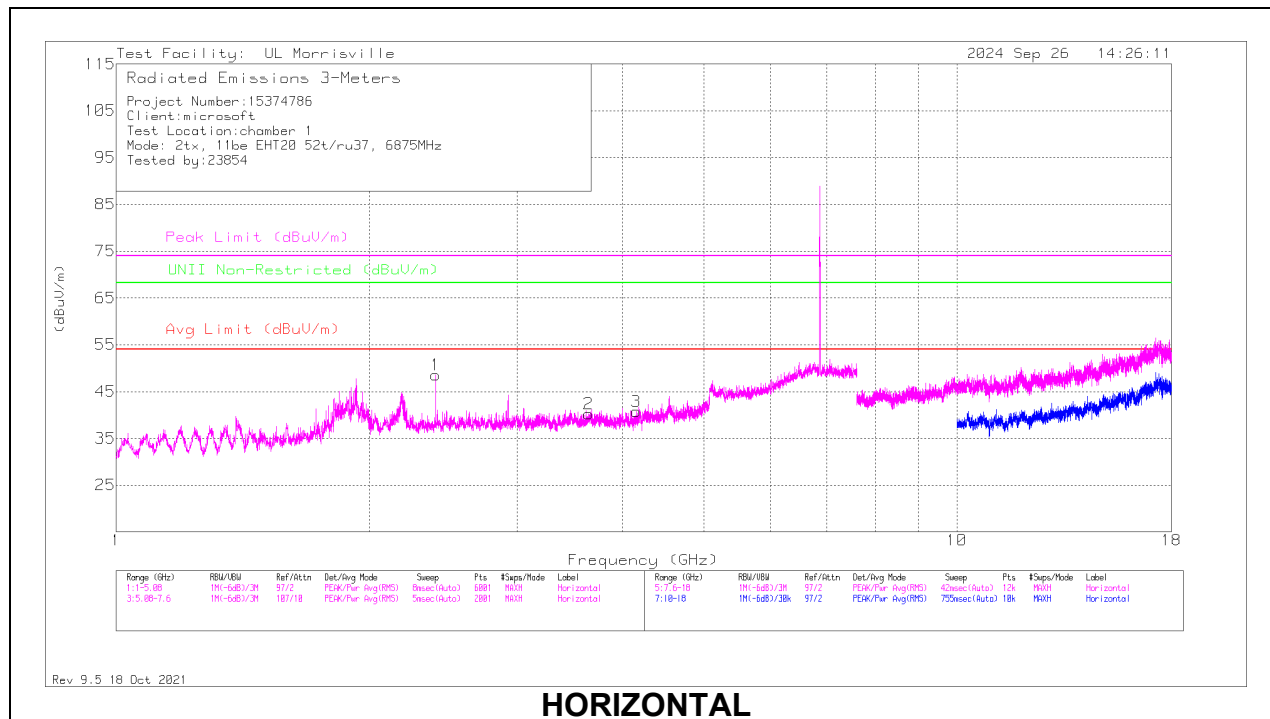
PK-U - Maximum Peak

ADR - RMS average

## 10.1.7. 802.11be EHT20 52T 2Tx MODE IN THE UNII-8 BAND

### HARMONICS AND SPURIOUS EMISSIONS

#### LOW CHANNEL



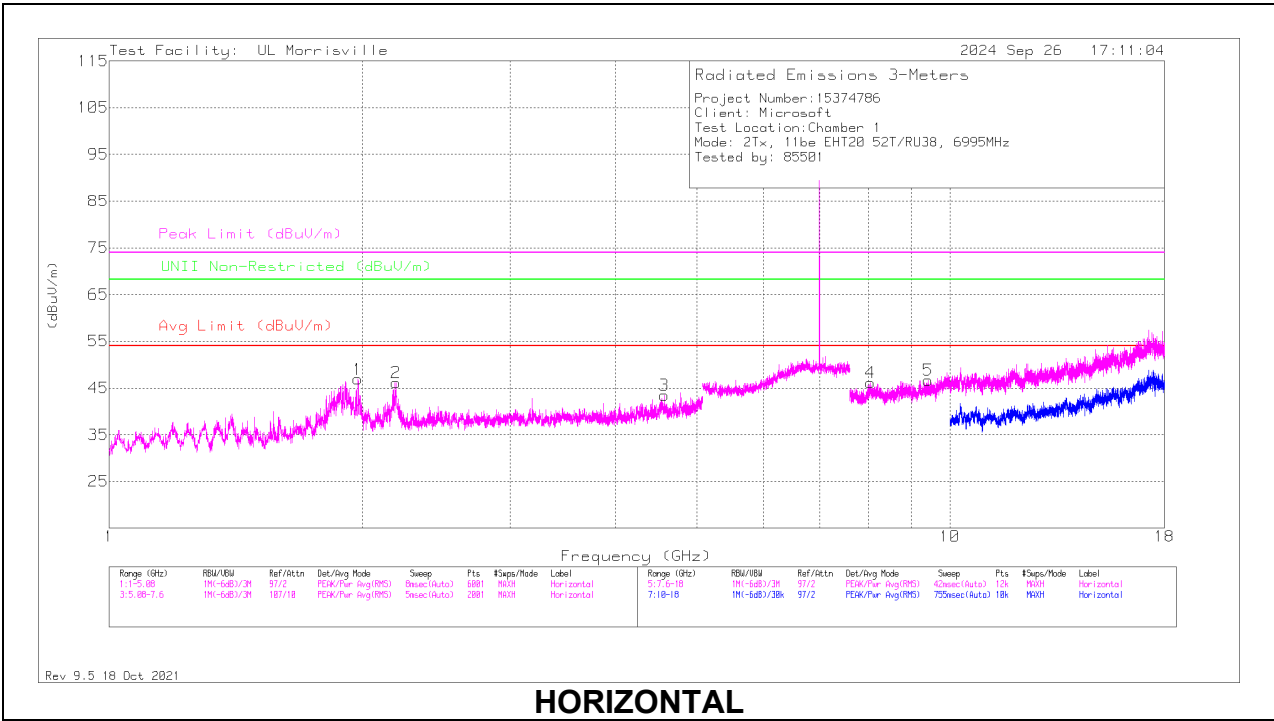
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 135143 (dB/m) | Gain/Loss (dB) | Filter (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------------|-------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 2      | * ** 3.64792    | 51.71                | Pk  | 33.1          | -44.6          | 0           | 40.21                      | 54                 | -13.79      | 74                  | -33.79         | -                            | -              | 0-360          | 200         | H        |
| 3      | * ** 4.15316    | 52.73                | Pk  | 33.4          | -45.4          | 0           | 40.73                      | 54                 | -13.27      | 74                  | -33.27         | -                            | -              | 0-360          | 200         | H        |
| 4      | ** 1.90508      | 66.03                | Pk  | 31.3          | -47.8          | 0           | 49.53                      | -                  | -           | -                   | -              | 68.2                         | -18.67         | 0-360          | 200         | V        |
| 5      | * ** 2.72652    | 54.33                | Pk  | 32.6          | -47.1          | 0           | 39.83                      | 54                 | -14.17      | 74                  | -34.17         | -                            | -              | 0-360          | 200         | V        |
| 6      | * ** 3.8764     | 51.13                | Pk  | 32.9          | -44.6          | 0           | 39.43                      | 54                 | -14.57      | 74                  | -34.57         | -                            | -              | 0-360          | 101         | V        |
| 7      | * ** 4.3252     | 53.2                 | Pk  | 33.7          | -45.6          | 0           | 41.3                       | 54                 | -12.7       | 74                  | -32.7          | -                            | -              | 0-360          | 200         | V        |
| 8      | * ** 4.64072    | 52.67                | Pk  | 33.8          | -45.3          | 0           | 41.17                      | 54                 | -12.83      | 74                  | -32.83         | -                            | -              | 0-360          | 101         | V        |
| 1      | 2.39944         | 64.41                | Pk  | 32            | -47.9          | 0           | 48.51                      | -                  | -           | -                   | -              | 68.2                         | -19.69         | 0-360          | 200         | H        |

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

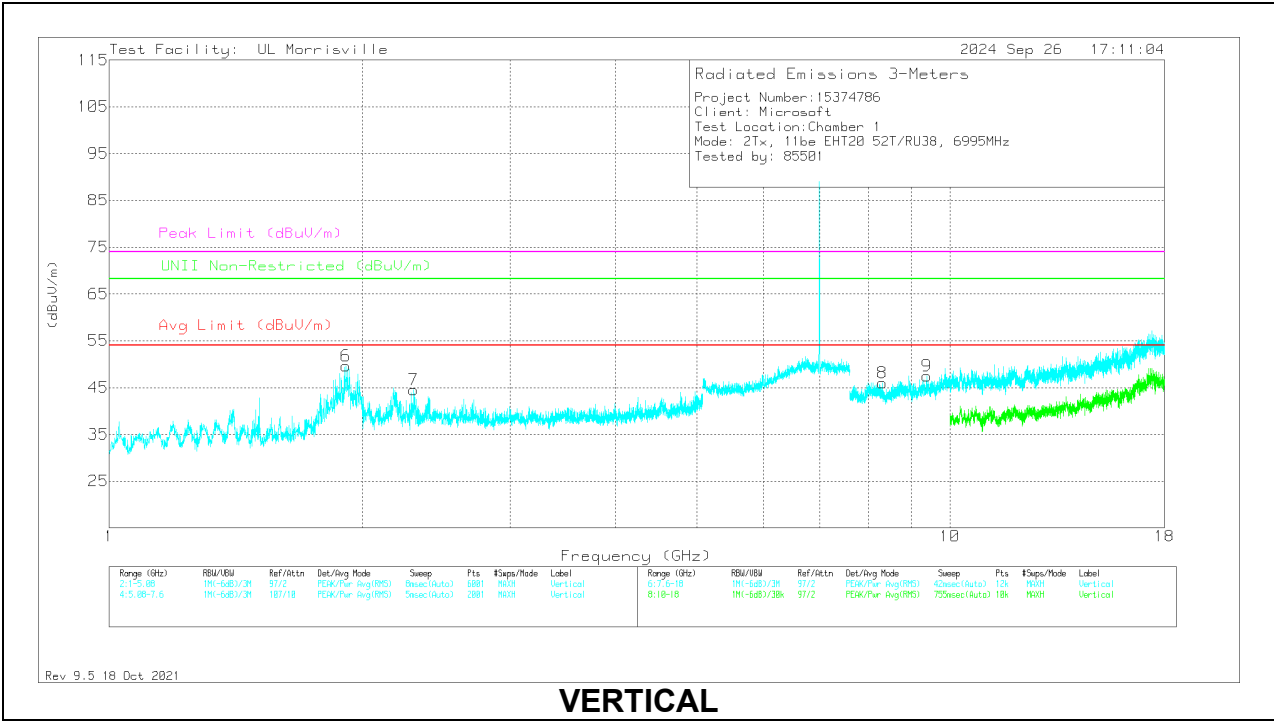
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

MID CHANNEL



HORIZONTAL



VERTICAL

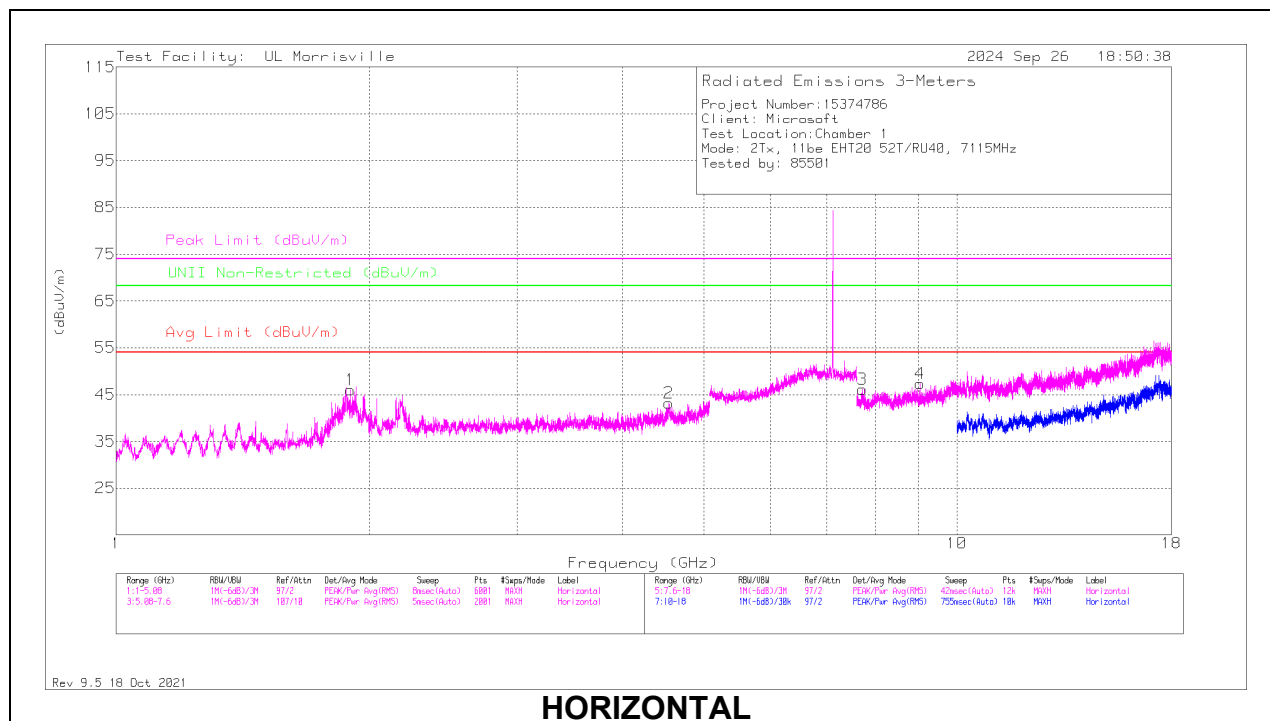
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 135143 (dB/m) | Gain/Loss (dB) | Filter (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------------|-------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | ** 1.97716      | 62.78                | Pk  | 31.6          | -47.5          | 0           | 46.88                      | -                  | -           | -                   | -              | 68.2                         | -21.32         | 0-360          | 199         | H        |
| 3      | *** 4.57408     | 54.66                | Pk  | 33.9          | -45.1          | 0           | 43.46                      | 54                 | -10.54      | 74                  | -30.54         | -                            | -              | 0-360          | 101         | H        |
| 6      | ** 1.91392      | 66.21                | Pk  | 31.3          | -47.9          | 0           | 49.61                      | -                  | -           | -                   | -              | 68.2                         | -18.59         | 0-360          | 200         | V        |
| 4      | *** 8.0524      | 50.6                 | Pk  | 35.9          | -41.2          | .8          | 46.1                       | 54                 | -7.9        | 74                  | -27.9          | -                            | -              | 0-360          | 101         | H        |
| 5      | *** 9.42        | 50.63                | Pk  | 36.3          | -40.6          | .4          | 46.73                      | 54                 | -7.27       | 74                  | -27.27         | -                            | -              | 0-360          | 199         | H        |
| 8      | *** 8.31413     | 50.95                | Pk  | 35.8          | -41.3          | .6          | 46.05                      | 54                 | -7.95       | 74                  | -27.95         | -                            | -              | 0-360          | 200         | V        |
| 9      | *** 9.39487     | 51.5                 | Pk  | 36.3          | -40.6          | .3          | 47.5                       | 54                 | -6.5        | 74                  | -26.5          | -                            | -              | 0-360          | 101         | V        |
| 2      | 2.1934          | 62.27                | Pk  | 31.5          | -47.6          | 0           | 46.17                      | -                  | -           | -                   | -              | 68.2                         | -22.03         | 0-360          | 101         | H        |
| 7      | 2.30186         | 60.95                | Pk  | 31.6          | -48            | 0           | 44.55                      | -                  | -           | -                   | -              | 68.2                         | -23.65         | 0-360          | 200         | V        |

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

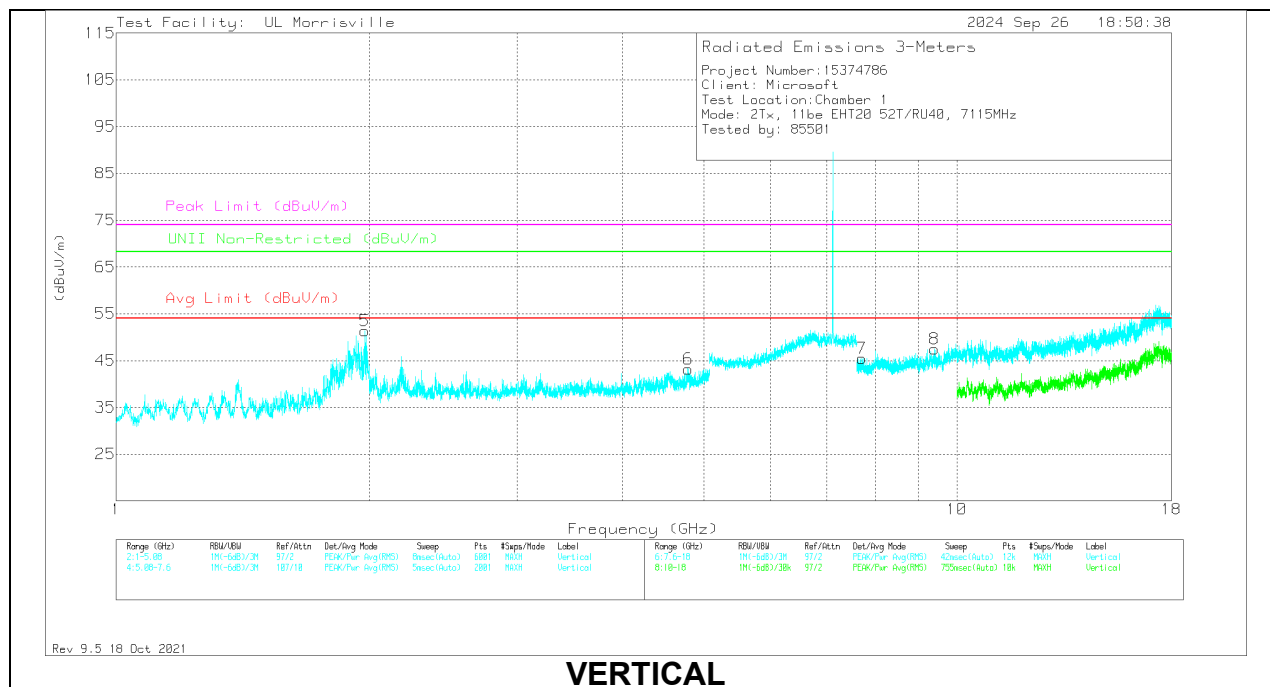
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

## HIGH CHANNEL



## HORIZONTAL



## VERTICAL

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 135143 (dB/m) | Gain/Loss (dB) | Filter (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------------|-------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | ** 1.89828      | 62.75                | Pk  | 31.3          | -48            | 0           | 46.05                      | -                  | -           | -                   | -              | 68.2                         | -22.15         | 0-360          | 200         | H        |
| 2      | *** 4.54348     | 54.38                | Pk  | 33.9          | -45.1          | 0           | 43.18                      | 54                 | -10.82      | 74                  | -30.82         | -                            | -              | 0-360          | 101         | H        |
| 5      | ** 1.97444      | 67.38                | Pk  | 31.6          | -47.6          | 0           | 51.38                      | -                  | -           | -                   | -              | 68.2                         | -16.82         | 0-360          | 200         | V        |
| 6      | *** 4.79236     | 54.45                | Pk  | 33.9          | -45.1          | 0           | 43.25                      | 54                 | -10.75      | 74                  | -30.75         | -                            | -              | 0-360          | 101         | V        |
| 3      | *** 7.71873     | 51                   | Pk  | 35.7          | -41.7          | 1.2         | 46.2                       | 54                 | -7.8        | 74                  | -27.8          | -                            | -              | 0-360          | 199         | H        |
| 4      | *** 9.0352      | 51.3                 | Pk  | 35.8          | -40.3          | .6          | 47.4                       | 54                 | -6.6        | 74                  | -26.6          | -                            | -              | 0-360          | 101         | H        |
| 7      | *** 7.7144      | 50.32                | Pk  | 35.7          | -41.7          | 1.2         | 45.52                      | 54                 | -8.48       | 74                  | -28.48         | -                            | -              | 0-360          | 200         | V        |
| 8      | *** 9.41307     | 51.5                 | Pk  | 36.3          | -40.7          | .4          | 47.5                       | 54                 | -6.5        | 74                  | -26.5          | -                            | -              | 0-360          | 101         | V        |

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

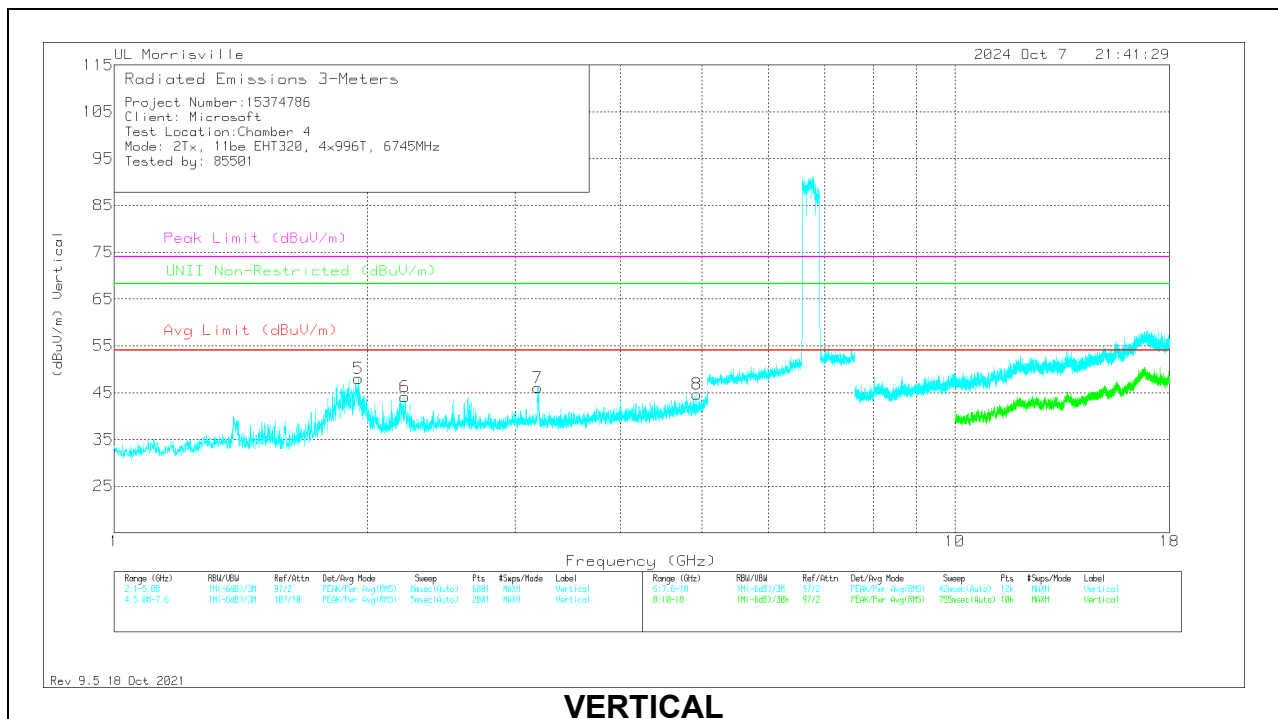
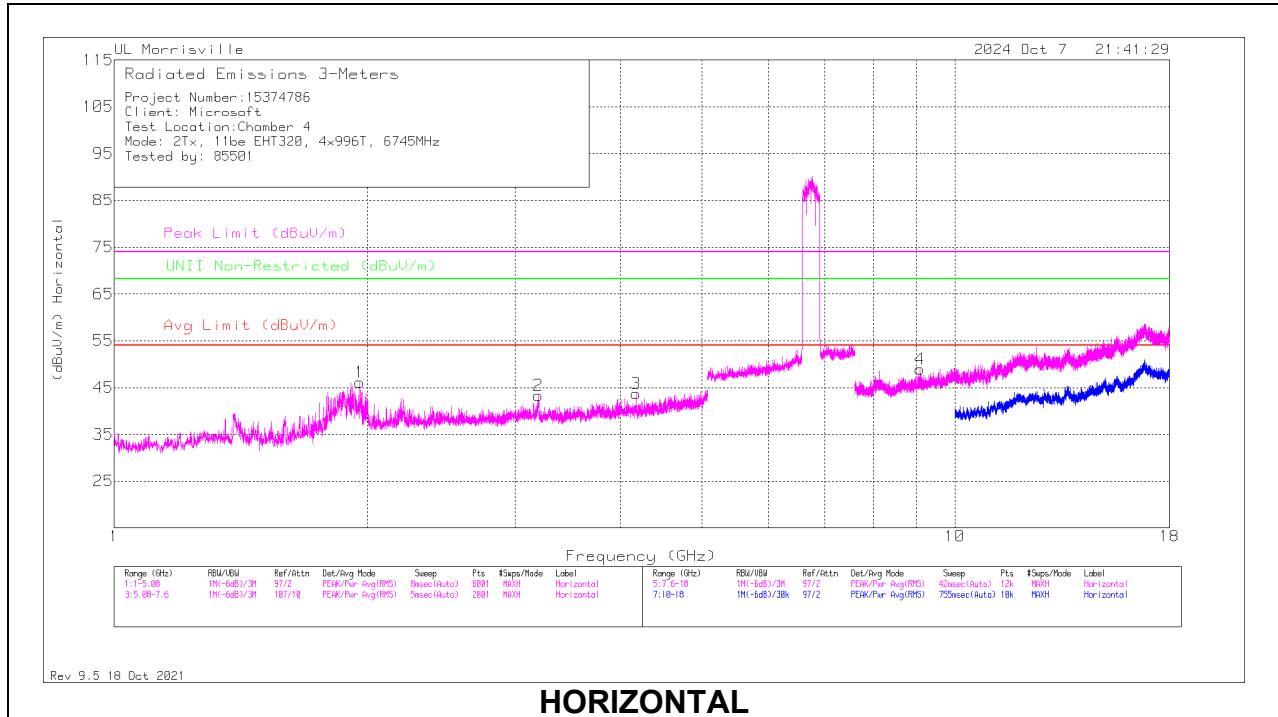
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

## 10.1.8. 802.11be EHT320 4x996T 2Tx MODE IN THE UNII-8 BAND

### HARMONICS AND SPURIOUS EMISSIONS

#### LOW CHANNEL



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | 89509 ACF (dB/m) | Gain/Loss (dB) | Filter (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|------------------|----------------|-------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | ** 1.95812      | 50.9                 | Pk   | 30.9             | -35.7          | 0           | 46.1                       | 54                 | -7.9        | -                   | -              | 68.2                         | -22.1          | 0-360          | 100         | H        |
| 3      | * ** 4.17424    | 41.57                | Pk   | 33.5             | -31.3          | 0           | 43.77                      | 54                 | -10.23      | 74                  | -30.23         | -                            | -              | 0-360          | 100         | H        |
| 5      | ** 1.9525       | 59.61                | PK-U | 30.8             | -35.6          | 0           | 54.81                      | -                  | -           | -                   | -              | 68.2                         | -13.39         | 310            | 150         | V        |
|        | ** 1.95199      | 36.88                | ADR  | 30.8             | -35.6          | 0           | 32.08                      | 54                 | -21.92      | -                   | -              | -                            | -              | 310            | 150         | V        |
| 6      | * ** 2.21856    | 47.75                | Pk   | 31.7             | -35.3          | 0           | 44.15                      | 54                 | -9.85       | 74                  | -29.85         | -                            | -              | 0-360          | 200         | V        |
| 8      | * ** 4.9338     | 41.23                | Pk   | 33.9             | -30.5          | 0           | 44.63                      | 54                 | -9.37       | 74                  | -29.37         | -                            | -              | 0-360          | 200         | V        |
| 4      | * ** 9.09024    | 37.14                | PK-U | 36.3             | -25.8          | .6          | 48.24                      | -                  | -           | 74                  | -25.76         | -                            | -              | 356            | 165         | H        |
|        | * ** 9.08951    | 25.76                | ADR  | 36.3             | -25.8          | .7          | 36.96                      | 54                 | -17.04      | -                   | -              | -                            | -              | 356            | 165         | H        |
| 7      | 3.19232         | 47.77                | Pk   | 32.8             | -34.5          | 0           | 46.07                      | 54                 | -7.93       | -                   | -              | 68.2                         | -22.13         | 0-360          | 200         | V        |
| 2      | 3.193           | 45.04                | Pk   | 32.8             | -34.5          | 0           | 43.34                      | 54                 | -10.66      | -                   | -              | 68.2                         | -24.86         | 0-360          | 100         | H        |

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

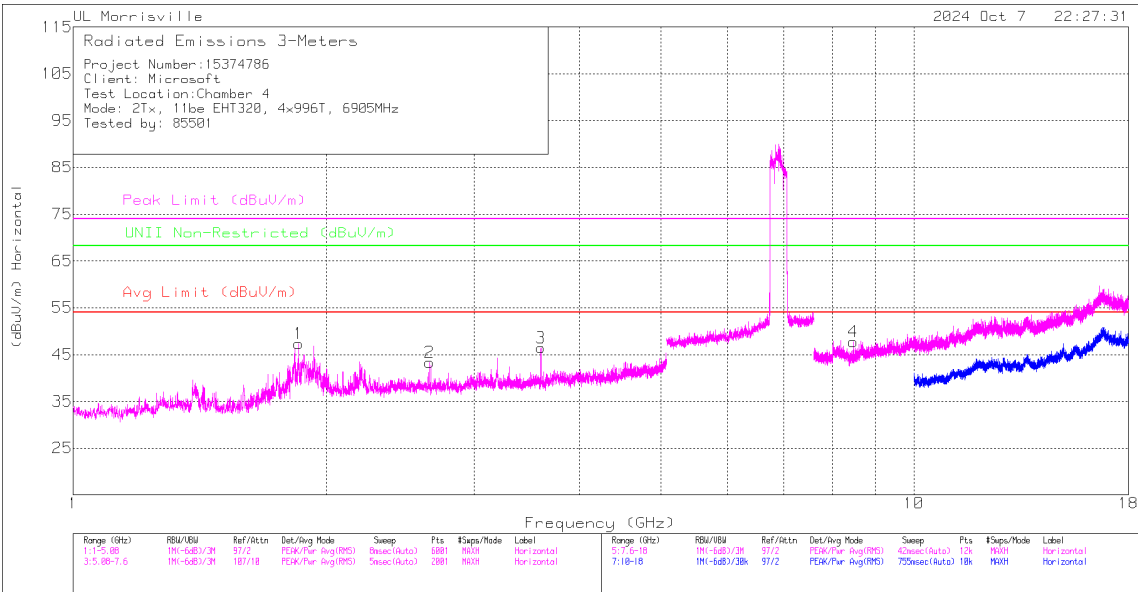
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

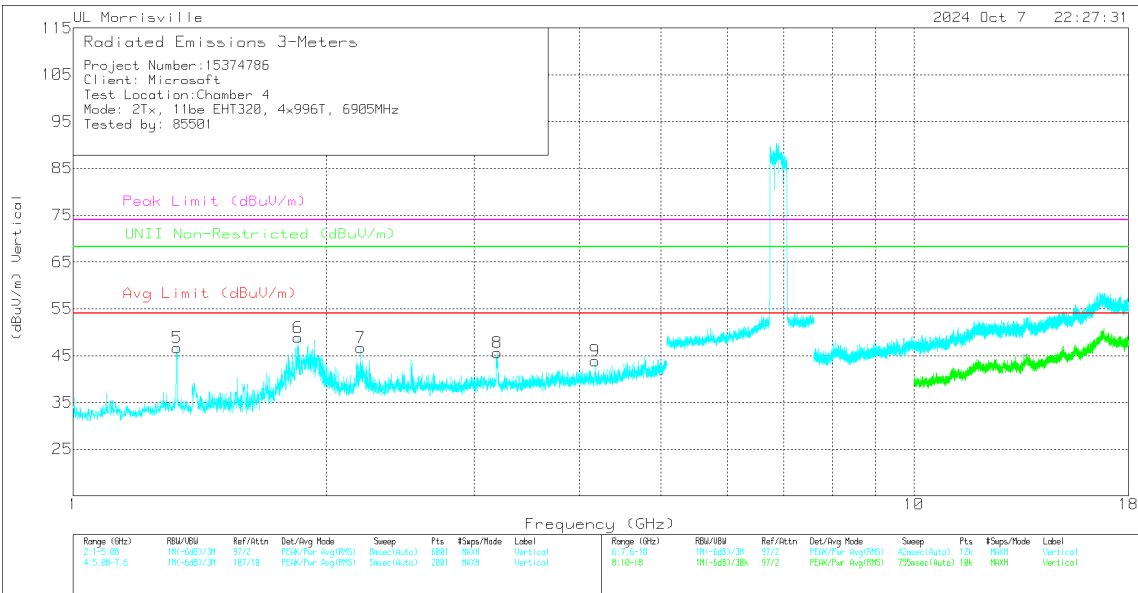
PK-U - Maximum Peak

ADR - RMS average

HIGH CHANNEL



HORIZONTAL



VERTICAL

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | 89509 ACF (dB/m) | Gain/Loss (dB) | Filter (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|------------------|----------------|-------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | ** 1.85544      | 52.47                | Pk   | 30.6             | -35.7          | 0           | 47.37                      | 54                 | -6.63       | -                   | -              | 68.2                         | -20.83         | 0-360          | 100         | H        |
| 2      | *** 2.65512     | 46.43                | Pk   | 32.4             | -35.5          | 0           | 43.33                      | 54                 | -10.67      | 74                  | -30.67         | -                            | -              | 0-360          | 100         | H        |
| 3      | *** 3.60032     | 46.67                | Pk   | 32.9             | -33.1          | 0           | 46.47                      | 54                 | -7.53       | 74                  | -27.53         | -                            | -              | 0-360          | 100         | H        |
| 5      | *** 1.3298      | 53.31                | Pk   | 29               | -35.6          | 0           | 46.71                      | 54                 | -7.29       | 74                  | -27.29         | -                            | -              | 0-360          | 200         | V        |
| 6      | ** 1.85205      | 57.8                 | PK-U | 30.5             | -35.7          | 0           | 52.6                       | -                  | -           | -                   | -              | 68.2                         | -15.6          | 111            | 192         | V        |
|        | ** 1.8517       | 35.94                | ADR  | 30.5             | -35.7          | 0           | 30.74                      | 54                 | -23.26      | -                   | -              | -                            | -              | 111            | 192         | V        |
| 9      | *** 4.17696     | 41.83                | Pk   | 33.4             | -31.4          | 0           | 43.83                      | 54                 | -10.17      | 74                  | -30.17         | -                            | -              | 0-360          | 200         | V        |
| 4      | *** 8.47533     | 38.26                | Pk   | 35.8             | -26.8          | .5          | 47.76                      | 54                 | -6.24       | 74                  | -26.24         | -                            | -              | 0-360          | 100         | H        |
| 7      | 2.1968          | 50.62                | Pk   | 31.6             | -35.5          | 0           | 46.72                      | -                  | -           | -                   | -              | 68.2                         | -21.48         | 0-360          | 200         | V        |
| 8      | 3.19572         | 47.2                 | Pk   | 32.8             | -34.4          | 0           | 45.6                       | -                  | -           | -                   | -              | 68.2                         | -22.6          | 0-360          | 200         | V        |

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

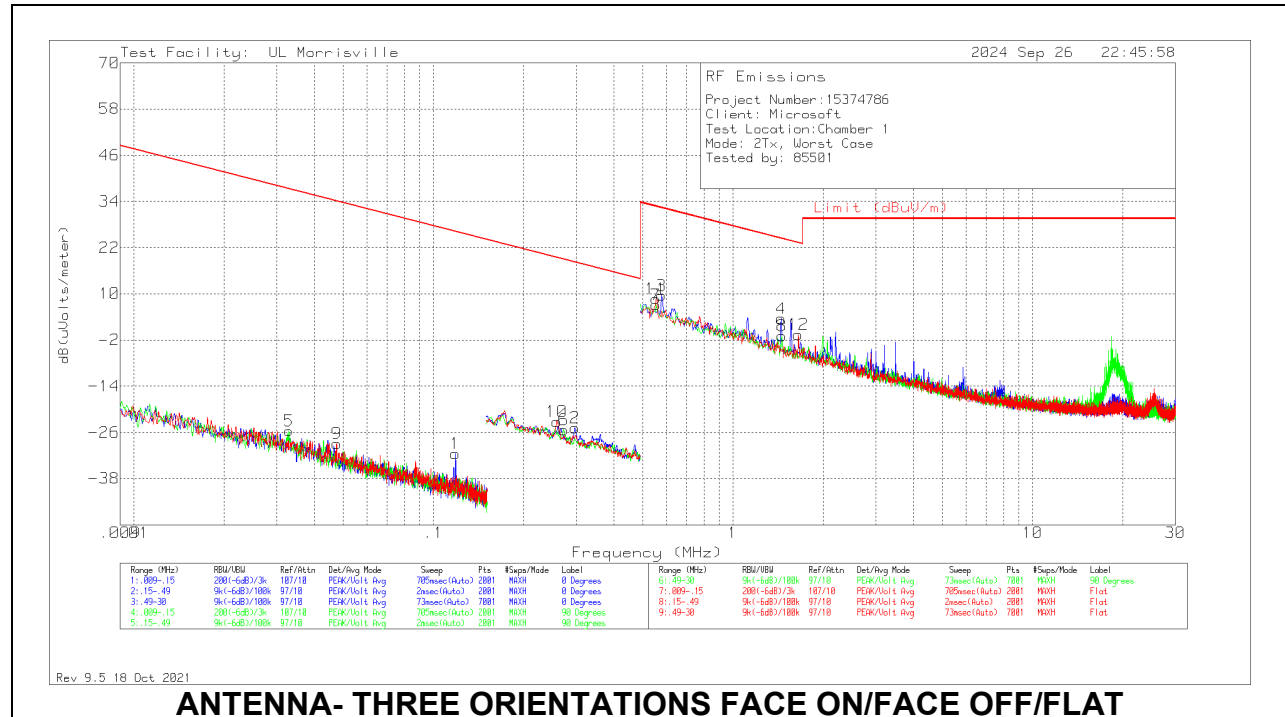
PK-U - Maximum Peak

ADR - RMS average

## 10.2. WORST CASE BELOW 30MHZ

Note for below 30 MHz scans: All measurements were made at a test distance of 3 m. The measured data was extrapolated from the test distance (3m) to the specification distance (300 m from 9-490 kHz and 30 m from 490 kHz – 30 MHz) to clearly show the relative levels of fundamental and spurious emissions and demonstrate compliance with the requirement that the level of any spurious emissions be below the level of the intentionally transmitted signal. The extrapolation factor for the limits were 40\*Log (test distance / specification distance).

### 10.2.1. SPURIOUS EMISSIONS BELOW 30 MHz (E-FIELD)

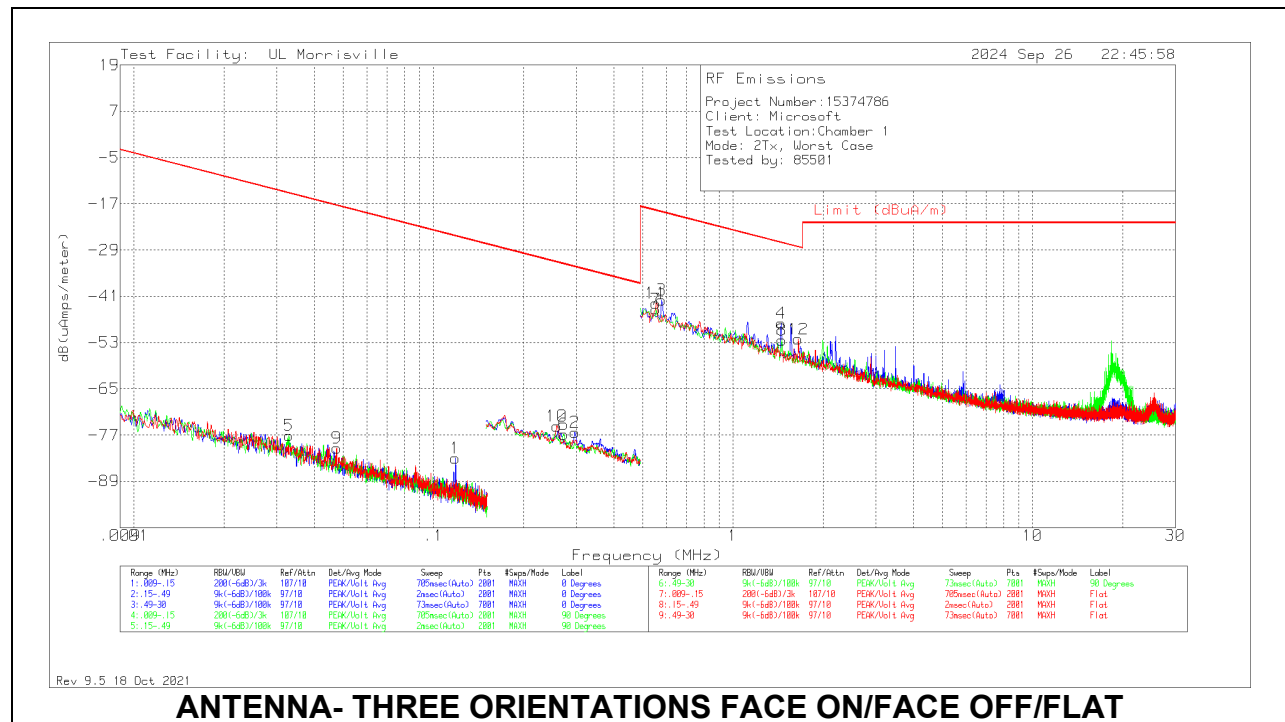


### ANTENNA- THREE ORIENTATIONS FACE ON/FACE OFF/FLAT

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | 65682 (dBuV/m) | Gain/Loss (dB) | Dist. Corr. Factor (dB) | Corrected Reading dB(uVolts/meter) | QP/AV Limit (dBuV/m) | PK Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Loop Angle |
|--------|-----------------|----------------------|-----|----------------|----------------|-------------------------|------------------------------------|----------------------|-------------------|-------------|----------------|------------|
| 5      | .03293          | 41.63                | Pk  | 12.7           | .1             | -80                     | -25.57                             | 37.25                | 57.25             | -62.82      | 0-360          | 90 degs    |
| 9      | .04755          | 39.94                | Pk  | 11.1           | .1             | -80                     | -28.86                             | 34.06                | 54.06             | -62.92      | 0-360          | Flat       |
| 1      | .11855          | 38.18                | Pk  | 10.2           | .1             | -80                     | -31.52                             | 26.13                | 46.13             | -57.65      | 0-360          | 0 degs     |
| 10     | .25863          | 46.66                | Pk  | 10.1           | .1             | -80                     | -23.14                             | 19.35                | 39.35             | -42.49      | 0-360          | Flat       |
| 6      | .27181          | 44.51                | Pk  | 10.1           | .1             | -80                     | -25.29                             | 18.92                | 38.92             | -44.21      | 0-360          | 90 degs    |
| 2      | .2968           | 45.12                | Pk  | 10             | .1             | -80                     | -24.78                             | 18.15                | 38.15             | -42.93      | 0-360          | 0 degs     |
| 7      | .55324          | 36.84                | Pk  | 10.2           | .1             | -40                     | 7.14                               | 32.75                | -                 | -25.61      | 0-360          | 90 degs    |
| 11     | .55324          | 38.45                | Pk  | 10.2           | .1             | -40                     | 8.75                               | 32.75                | -                 | -24         | 0-360          | Flat       |
| 3      | .57854          | 39.27                | Pk  | 10.2           | .1             | -40                     | 9.57                               | 32.36                | -                 | -22.79      | 0-360          | 0 degs     |
| 4      | 1.44703         | 32.96                | Pk  | 10.4           | .2             | -40                     | 3.56                               | 24.39                | -                 | -20.83      | 0-360          | 0 degs     |
| 8      | 1.45546         | 28.52                | Pk  | 10.4           | .2             | -40                     | -.88                               | 24.34                | -                 | -25.22      | 0-360          | 90 degs    |
| 12     | 1.65362         | 28.75                | Pk  | 10.4           | .2             | -40                     | -.65                               | 23.24                | -                 | -23.89      | 0-360          | Flat       |

Pk - Peak detector

## 10.2.2. SPURIOUS EMISSIONS BELOW 30 MHz (H-FIELD)

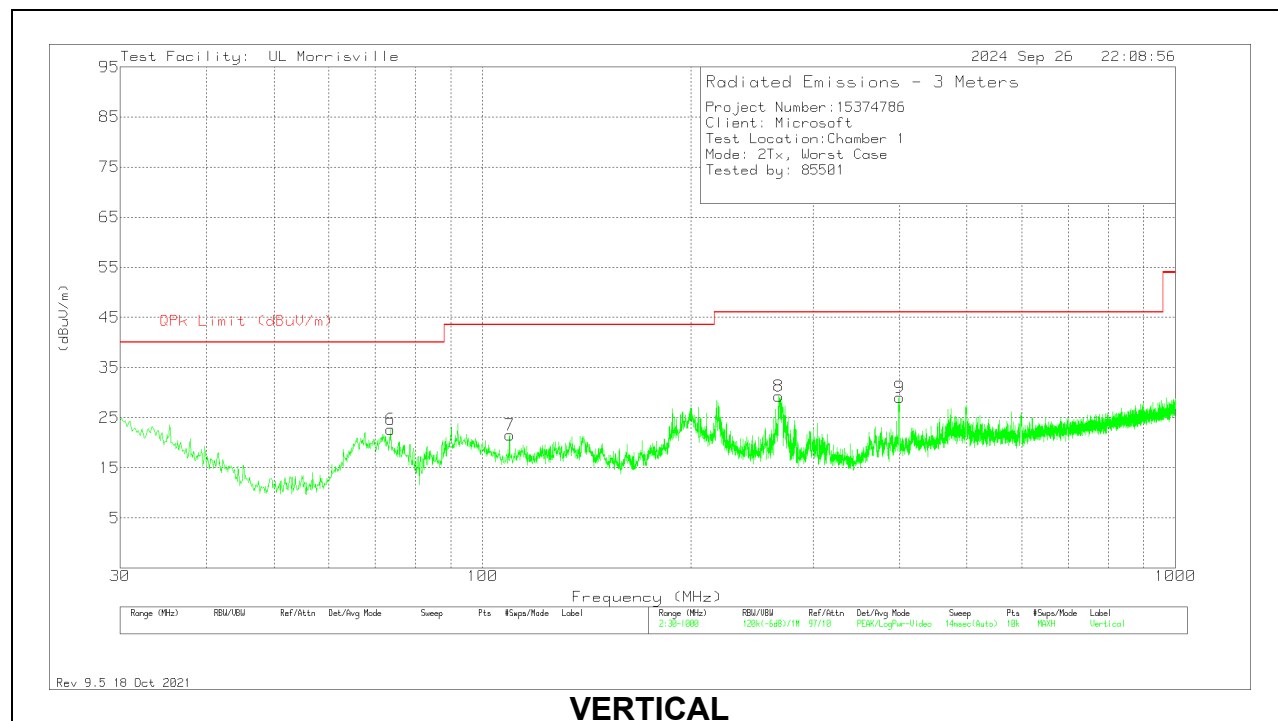
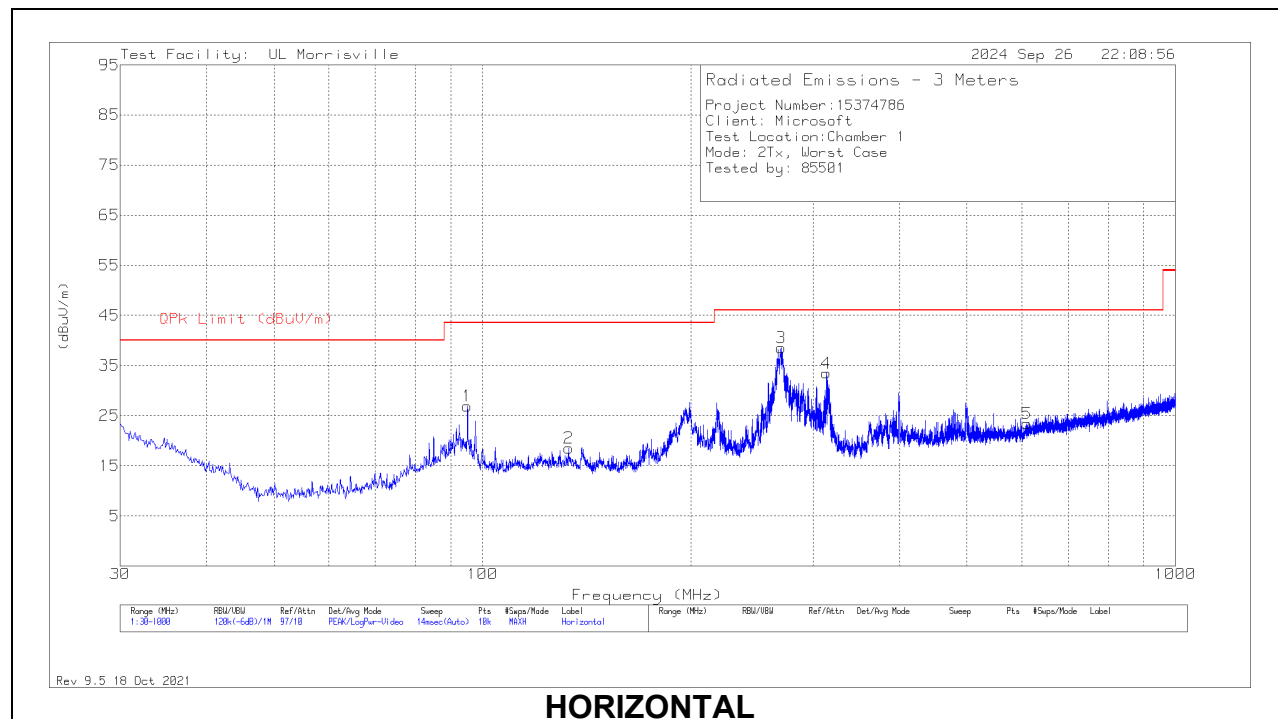


### ANTENNA- THREE ORIENTATIONS FACE ON/FACE OFF/FLAT

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | 65682 (dBuV/m) | Gain/Loss (dB) | Dist. Corr. Factor (dB) | Corrected Reading dB(uAmps/meter) | AV/QP Limit (dBuA/m) | PK Limit (dBuA/m) | Margin (dB) | Azimuth (Degs) | Loop Angle |
|--------|-----------------|----------------------|-----|----------------|----------------|-------------------------|-----------------------------------|----------------------|-------------------|-------------|----------------|------------|
| 5      | .03293          | 41.63                | Pk  | -38.8          | .1             | -80                     | -77.07                            | -14.25               | 5.75              | -62.82      | 0-360          | 90 degs    |
| 9      | .04755          | 39.94                | Pk  | -40.4          | .1             | -80                     | -80.36                            | -17.44               | 2.56              | -62.92      | 0-360          | Flat       |
| 1      | .11855          | 38.18                | Pk  | -41.3          | .1             | -80                     | -83.02                            | -25.37               | -5.37             | -57.65      | 0-360          | 0 degs     |
| 10     | .25863          | 46.66                | Pk  | -41.4          | .1             | -80                     | -74.64                            | -32.15               | -12.15            | -42.49      | 0-360          | Flat       |
| 6      | .27181          | 44.51                | Pk  | -41.4          | .1             | -80                     | -76.79                            | -32.58               | -12.58            | -44.21      | 0-360          | 90 degs    |
| 2      | .2968           | 45.12                | Pk  | -41.5          | .1             | -80                     | -76.28                            | -33.35               | -13.35            | -42.93      | 0-360          | 0 degs     |
| 7      | .55324          | 36.84                | Pk  | -41.3          | .1             | -40                     | -44.36                            | -18.75               | -                 | -25.61      | 0-360          | 90 degs    |
| 11     | .55324          | 38.45                | Pk  | -41.3          | .1             | -40                     | -42.75                            | -18.75               | -                 | -24         | 0-360          | Flat       |
| 3      | .57854          | 39.27                | Pk  | -41.3          | .1             | -40                     | -41.93                            | -19.14               | -                 | -22.79      | 0-360          | 0 degs     |
| 4      | 1.44703         | 32.96                | Pk  | -41.1          | .2             | -40                     | -47.94                            | -27.11               | -                 | -20.83      | 0-360          | 0 degs     |
| 8      | 1.45546         | 28.52                | Pk  | -41.1          | .2             | -40                     | -52.38                            | -27.16               | -                 | -25.22      | 0-360          | 90 degs    |
| 12     | 1.65362         | 28.75                | Pk  | -41.1          | .2             | -40                     | -52.15                            | -28.26               | -                 | -23.89      | 0-360          | Flat       |

Pk - Peak detector

### 10.3. WORST CASE BELOW 1 GHZ



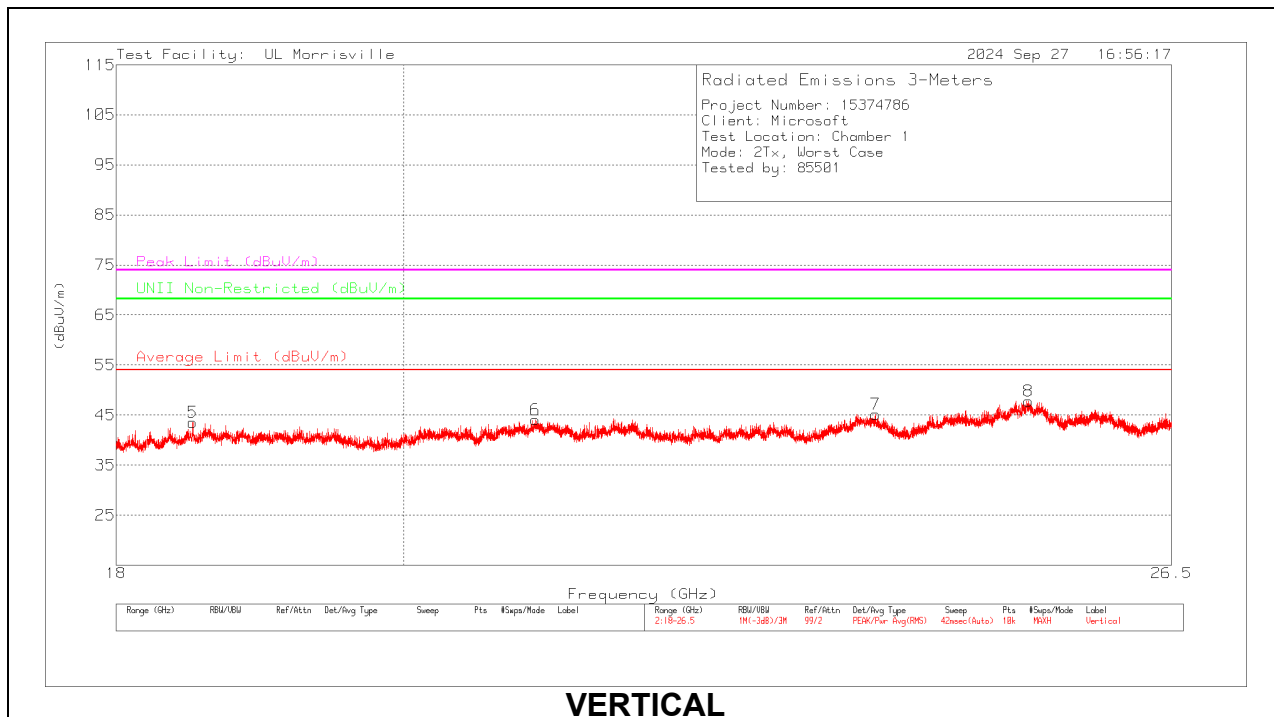
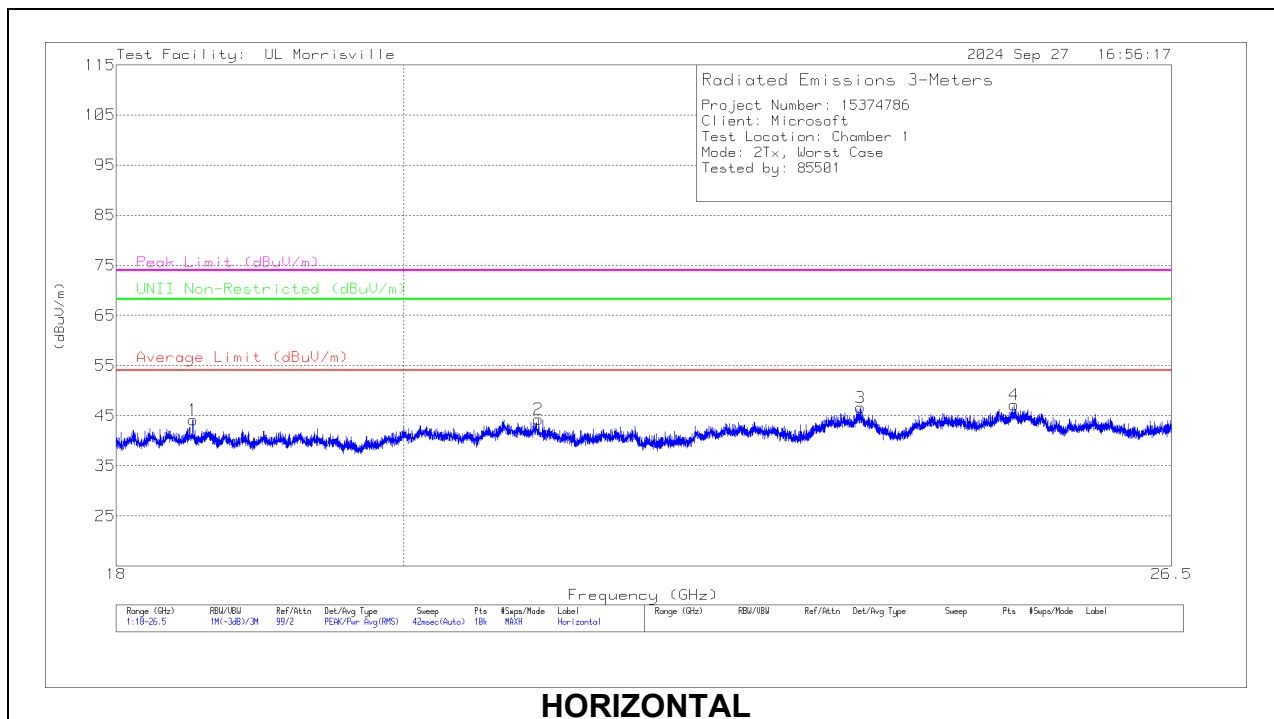
| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | 90629 (dB/m) | Gain/Loss (dB) | Corrected Reading (dBuV/m) | QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|--------------|----------------|----------------------------|--------------------|-------------|----------------|-------------|----------|
| 2      | * ** 133.111    | 29.06                | Pk  | 19.9         | -30.4          | 18.56                      | 43.52              | -24.96      | 0-360          | 200         | H        |
| 3      | * ** 269.978    | 48.65                | Pk  | 19.3         | -29.4          | 38.55                      | 46.02              | -7.47       | 0-360          | 100         | H        |
| 5      | * ** 610.836    | 27.09                | Pk  | 25           | -28.7          | 23.39                      | 46.02              | -22.63      | 0-360          | 200         | H        |
| 6      | * ** 73.65      | 39.68                | Pk  | 14.5         | -31.5          | 22.68                      | 40                 | -17.32      | 0-360          | 100         | V        |
| 7      | * ** 109.443    | 33.79                | Pk  | 18.7         | -31            | 21.49                      | 43.52              | -22.03      | 0-360          | 100         | V        |
| 8      | * ** 267.747    | 39.68                | Pk  | 19.1         | -29.5          | 29.28                      | 46.02              | -16.74      | 0-360          | 100         | V        |
| 1      | 95.087          | 42.62                | Pk  | 15.3         | -31            | 26.92                      | 43.52              | -16.6       | 0-360          | 200         | H        |
| 4      | 313.24          | 43.18                | Pk  | 19.8         | -29.5          | 33.48                      | 46.02              | -12.54      | 0-360          | 100         | H        |
| 9      | 399.861         | 37.12                | Pk  | 21.5         | -29.6          | 29.02                      | 46.02              | -17         | 0-360          | 100         | V        |

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Qp - Quasi-Peak detector

## 10.4. WORST CASE 18-26 GHZ



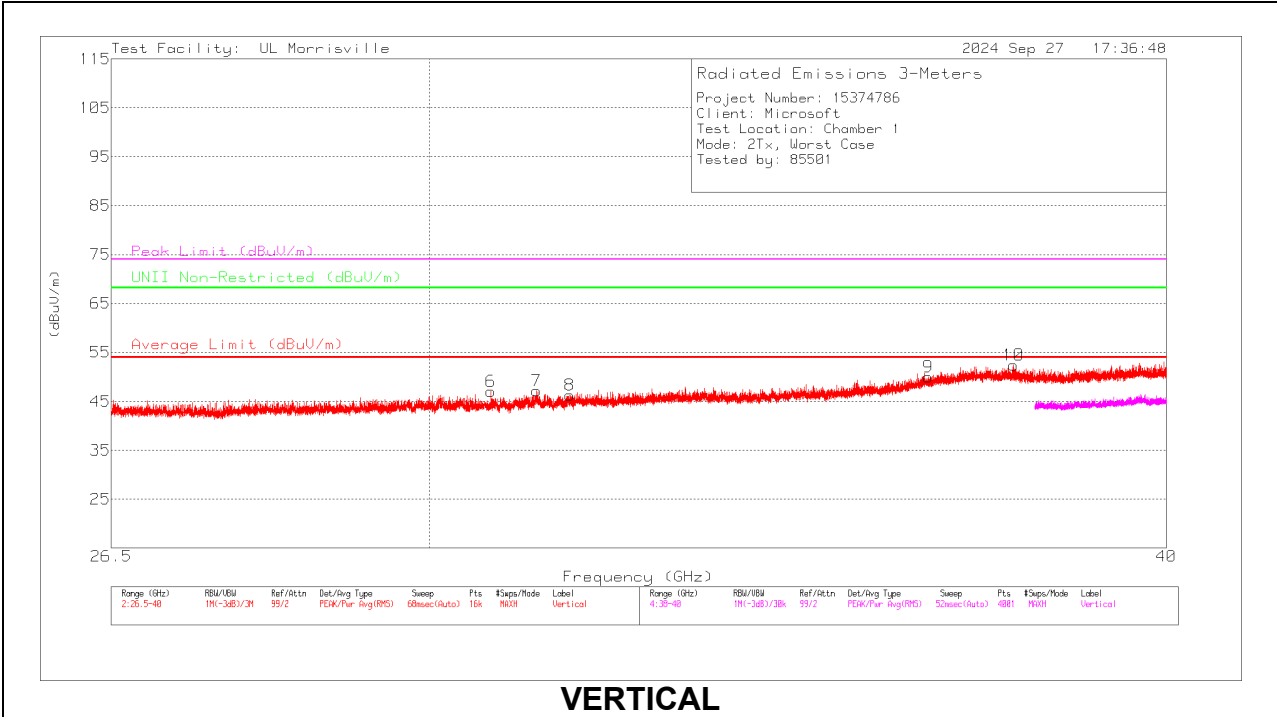
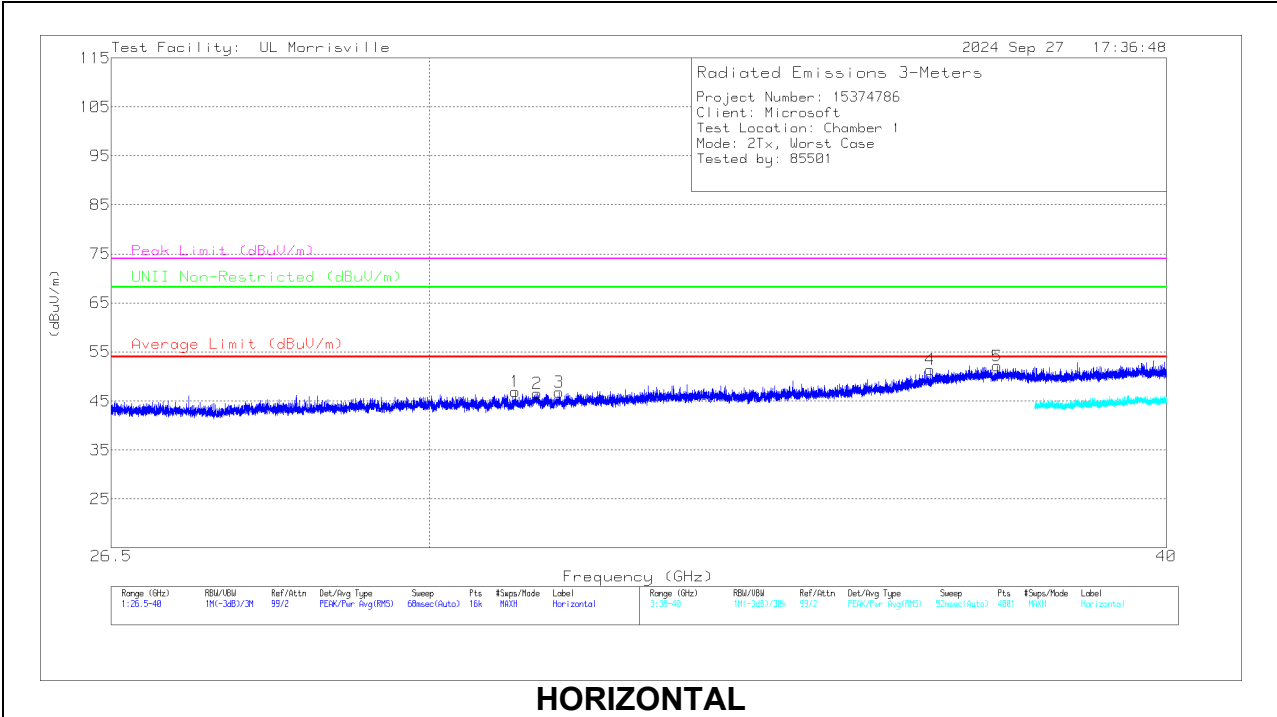
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 204704 (dB/m) | Gain/Loss (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------------|----------------------------|------------------------|-------------|---------------------|-------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * ** 18.51292   | 51.25                | Pk  | 33            | -40.1          | 44.15                      | 54                     | -9.85       | 74                  | -29.85      | -                            | -              | 0-360          | 300         | H        |
| 2      | * ** 21.01295   | 50.66                | Pk  | 33.6          | -40            | 44.26                      | 54                     | -9.74       | 74                  | -29.74      | -                            | -              | 0-360          | 300         | H        |
| 3      | * ** 23.64429   | 51.9                 | Pk  | 34.6          | -39.9          | 46.6                       | 54                     | -7.4        | 74                  | -27.4       | -                            | -              | 0-360          | 200         | H        |
| 5      | * ** 18.5125    | 50.65                | Pk  | 33            | -40.1          | 43.55                      | 54                     | -10.45      | 74                  | -30.45      | -                            | -              | 0-360          | 250         | V        |
| 6      | * ** 20.98745   | 50.49                | Pk  | 33.6          | -40            | 44.09                      | 54                     | -9.91       | 74                  | -29.91      | -                            | -              | 0-360          | 101         | V        |
| 7      | * ** 23.77772   | 50.62                | Pk  | 34.4          | -39.9          | 45.12                      | 54                     | -8.88       | 74                  | -28.88      | -                            | -              | 0-360          | 300         | V        |
| 4      | 25.0169         | 50.97                | Pk  | 35.4          | -39.2          | 47.17                      | -                      | -           | -                   | -           | 68.2                         | -21.03         | 0-360          | 300         | H        |
| 8      | 25.14694        | 51.33                | Pk  | 35.6          | -39.1          | 47.83                      | -                      | -           | -                   | -           | 68.2                         | -20.37         | 0-360          | 101         | V        |

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

10.5. WORST CASE 26-40 GHZ



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | 204705 (dB/m) | Gain/Loss (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|---------------|----------------|----------------------------|------------------------|-------------|---------------------|-------------|------------------------------|----------------|----------------|-------------|----------|
| 2      | * ** 31.29136   | 46.71                | Pk   | 37            | -37.2          | 46.51                      | 54                     | -7.49       | 74                  | -27.49      | -                            | -              | 0-360          | 249         | H        |
| 3      | * ** 31.56387   | 47.1                 | Pk   | 36.8          | -37.1          | 46.8                       | 54                     | -7.2        | 74                  | -27.2       | -                            | -              | 0-360          | 150         | H        |
| 4      | * ** 36.47935   | 50.66                | PK-U | 37.9          | -37.1          | 51.46                      | -                      | -           | 74                  | -22.54      | -                            | -              | 90             | 138         | H        |
|        | * ** 36.47908   | 38.2                 | ADR  | 37.9          | -37.1          | 39                         | 54                     | -15         | -                   | -           | -                            | -              | 90             | 138         | H        |
| 7      | * ** 31.28376   | 47.41                | Pk   | 37            | -37.2          | 47.21                      | 54                     | -6.79       | 74                  | -26.79      | -                            | -              | 0-360          | 251         | V        |
| 8      | * ** 31.68874   | 46.34                | Pk   | 37            | -37.1          | 46.24                      | 54                     | -7.76       | 74                  | -27.76      | -                            | -              | 0-360          | 151         | V        |
| 9      | * ** 36.45517   | 50.35                | PK-U | 37.9          | -37.1          | 51.15                      | -                      | -           | 74                  | -22.85      | -                            | -              | 0              | 120         | V        |
|        | * ** 36.45457   | 38.23                | ADR  | 37.9          | -37.1          | 39.03                      | 54                     | -14.97      | -                   | -           | -                            | -              | 0              | 120         | V        |
| 6      | 30.72861        | 47.27                | Pk   | 36.9          | -37.1          | 47.07                      | -                      | -           | -                   | -           | 68.2                         | -21.13         | 0-360          | 300         | V        |
| 1      | 31.02475        | 47.28                | Pk   | 36.8          | -37.2          | 46.88                      | -                      | -           | -                   | -           | 68.2                         | -21.32         | 0-360          | 150         | H        |
| 5      | 37.44663        | 50.36                | PK-U | 37.9          | -36.3          | 51.96                      | -                      | -           | -                   | -           | 68.2                         | -16.24         | 311            | 273         | H        |
| 10     | 37.67943        | 51.42                | PK-U | 38            | -36.1          | 53.32                      | -                      | -           | -                   | -           | 68.2                         | -14.88         | 308            | 176         | V        |

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK-U - Maximum Peak

ADR - RMS average

## 11. SETUP PHOTOS

Please refer to R15374786-EP2 for setup photos.

**END OF TEST REPORT**