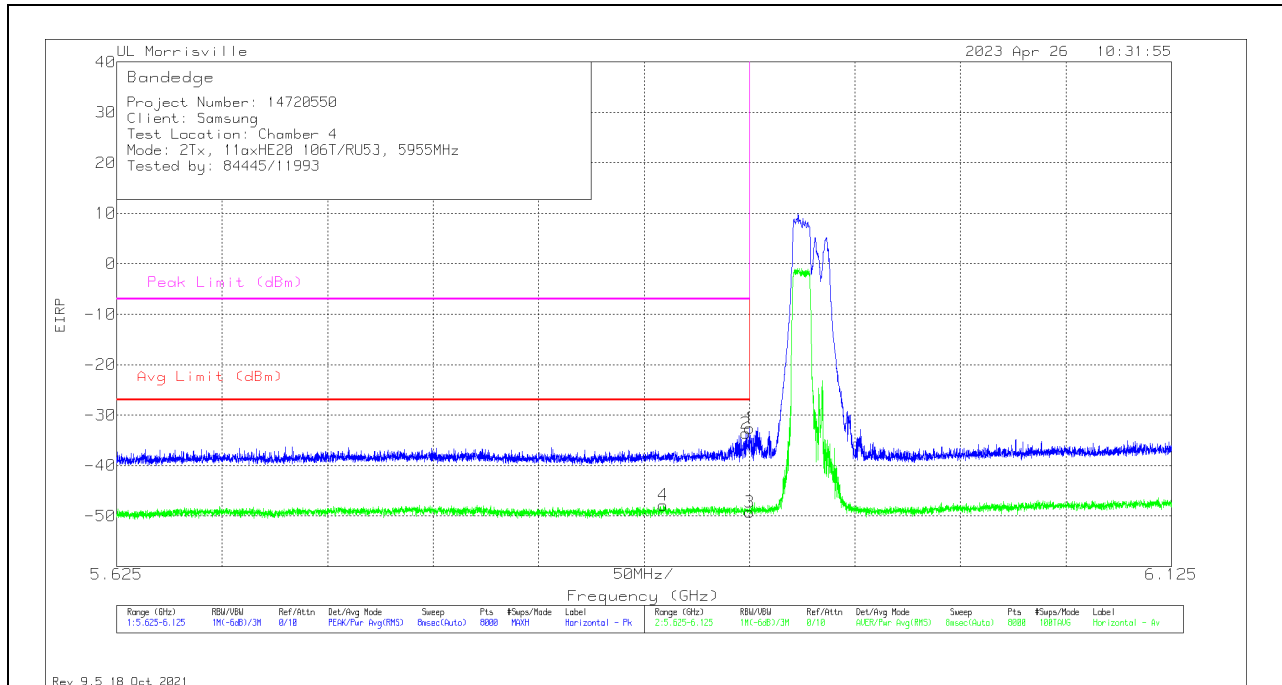


**2TX CHAIN 0 + CHAIN 1 OFDMA MODE: 106T**

**BANDEDGE (LOW CHANNEL)**

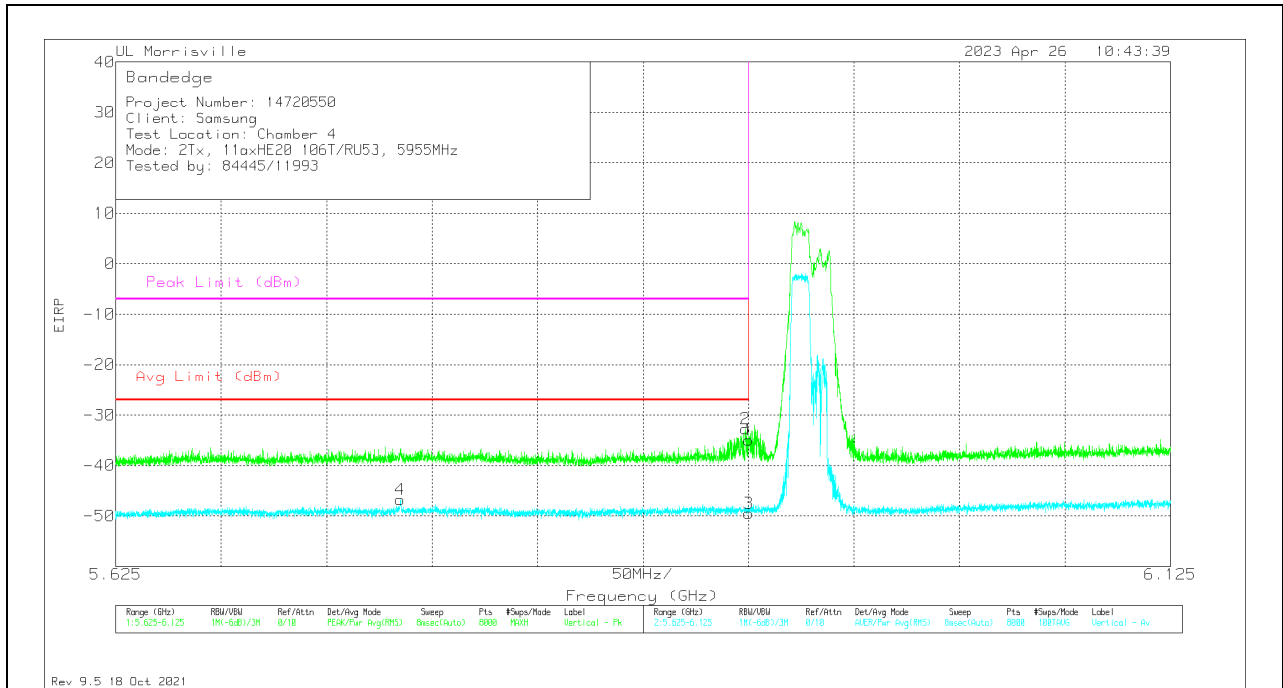
**HORIZONTAL RESULT**



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 86408 (dB/m) | Gain/Loss (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Avg Limit (dBm) | Margin (dB) | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|--------------|----------------|------------------------|------------------------|-----------------|-------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.92498         | -70.62              | Pk  | 35.1         | -8.9           | 11.8                   | -32.62                 | -               | -           | -7               | -25.62         | 275            | 175         | H        |
| 2      | 5.92323         | -71.58              | Pk  | 35.1         | -8.9           | 11.8                   | -33.58                 | -               | -           | -7               | -26.58         | 275            | 175         | H        |
| 3      | 5.92498         | -87.19              | RMS | 35.1         | -8.9           | 11.8                   | -49.19                 | -27             | -22.19      | -                | -              | 275            | 175         | H        |
| 4      | 5.88416         | -85.61              | RMS | 35           | -9             | 11.8                   | -47.81                 | -27             | -20.81      | -                | -              | 275            | 175         | H        |

Pk - Peak detector  
 RMS - RMS detection

**VERTICAL RESULT**



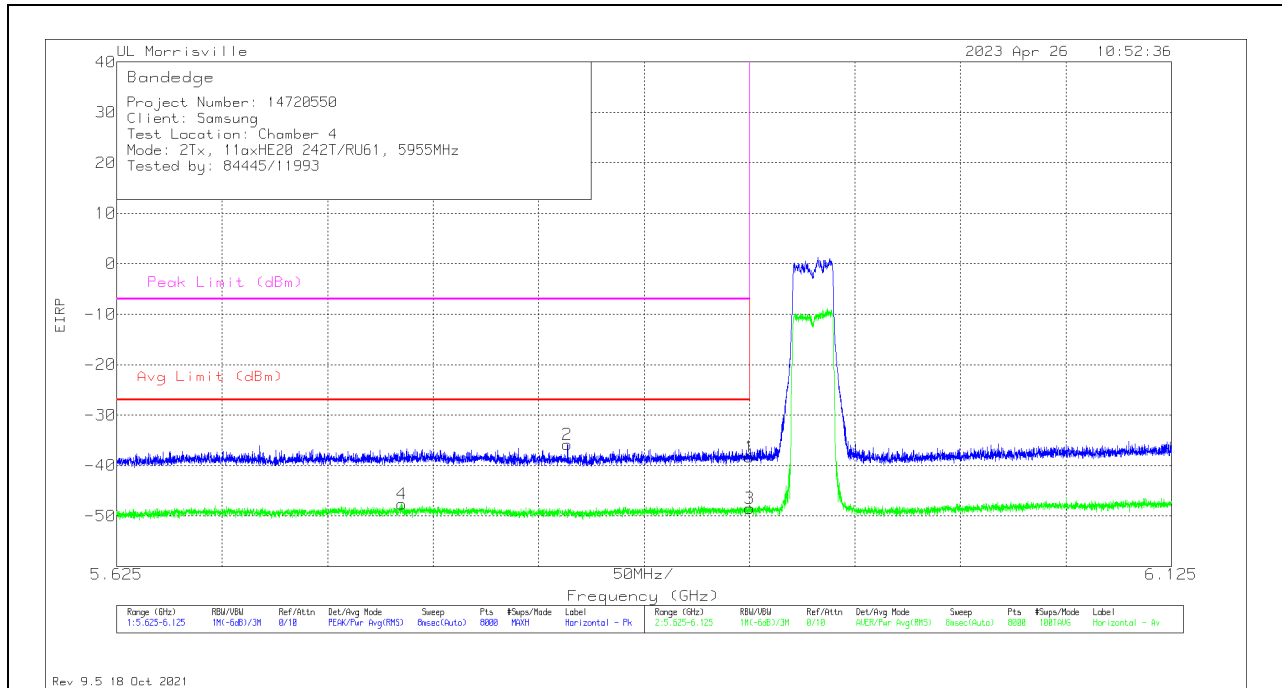
| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 86408 (dB/m) | Gain/Loss (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Avg Limit (dBm) | RMS Margin (dB) | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|--------------|----------------|------------------------|------------------------|-----------------|-----------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.92498         | -72.91              | Pk  | 35.1         | -8.9           | 11.8                   | -34.91                 | -               | -               | -7               | -27.91         | 300            | 265         | V        |
| 2      | 5.92341         | -70.71              | Pk  | 35.1         | -8.9           | 11.8                   | -32.71                 | -               | -               | -7               | -25.71         | 300            | 265         | V        |
| 3      | 5.92498         | -87.44              | RMS | 35.1         | -8.9           | 11.8                   | -49.44                 | -27             | -22.44          | -                | -              | 300            | 265         | V        |
| 4      | 5.75995         | -84.12              | RMS | 34.8         | -9.2           | 11.8                   | -46.72                 | -27             | -19.72          | -                | -              | 300            | 265         | V        |

Pk - Peak detector  
 RMS - RMS detection

**2TX CHAIN 0 + CHAIN 1 OFDMA MODE: 242T**

**BANDEDGE (LOW CHANNEL)**

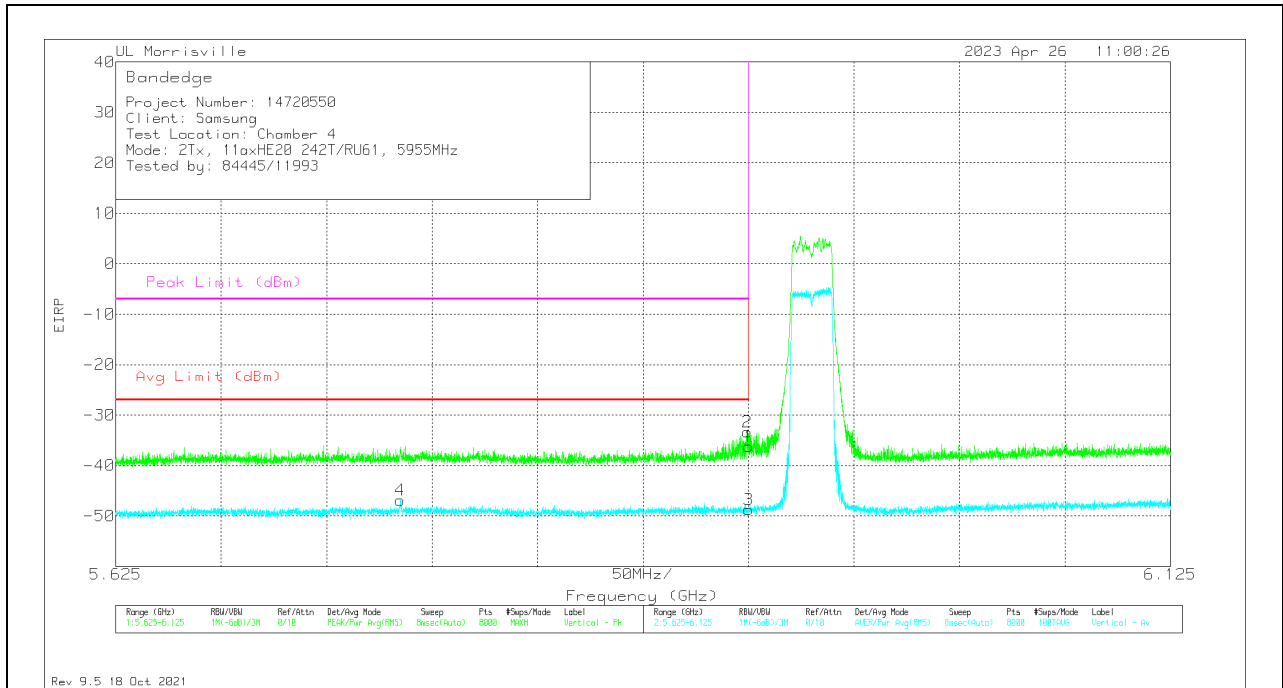
**HORIZONTAL RESULT**



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 86408 (dB/m) | Gain/Loss (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Avg Limit (dBm) | RMS Margin (dB) | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|--------------|----------------|------------------------|------------------------|-----------------|-----------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.92498         | -76.28              | Pk  | 35.1         | -8.9           | 11.8                   | -38.28                 | -               | -               | -7               | -31.28         | 241            | 234         | H        |
| 2      | 5.83871         | -73.43              | Pk  | 35           | -9.2           | 11.8                   | -35.83                 | -               | -               | -7               | -28.83         | 241            | 234         | H        |
| 3      | 5.92498         | -86.53              | RMS | 35.1         | -8.9           | 11.8                   | -48.53                 | -27             | -21.53          | -                | -              | 241            | 234         | H        |
| 4      | 5.76002         | -85.05              | RMS | 34.8         | -9.2           | 11.8                   | -47.65                 | -27             | -20.65          | -                | -              | 241            | 234         | H        |

Pk - Peak detector  
 RMS - RMS detection

**VERTICAL RESULT**



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 86408 (dB/m) | Gain/Loss (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Avg Limit (dBm) | RMS Margin (dB) | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|--------------|----------------|------------------------|------------------------|-----------------|-----------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.92498         | -74.23              | Pk  | 35.1         | -8.9           | 11.8                   | -36.23                 | -               | -               | -7               | -29.23         | 289            | 246         | V        |
| 2      | 5.92441         | -71.35              | Pk  | 35.1         | -8.9           | 11.8                   | -33.35                 | -               | -               | -7               | -26.35         | 289            | 246         | V        |
| 3      | 5.92498         | -86.79              | RMS | 35.1         | -8.9           | 11.8                   | -48.79                 | -27             | -21.79          | -                | -              | 289            | 246         | V        |
| 4      | 5.75989         | -84.26              | RMS | 34.8         | -9.2           | 11.8                   | -46.86                 | -27             | -19.86          | -                | -              | 289            | 246         | V        |

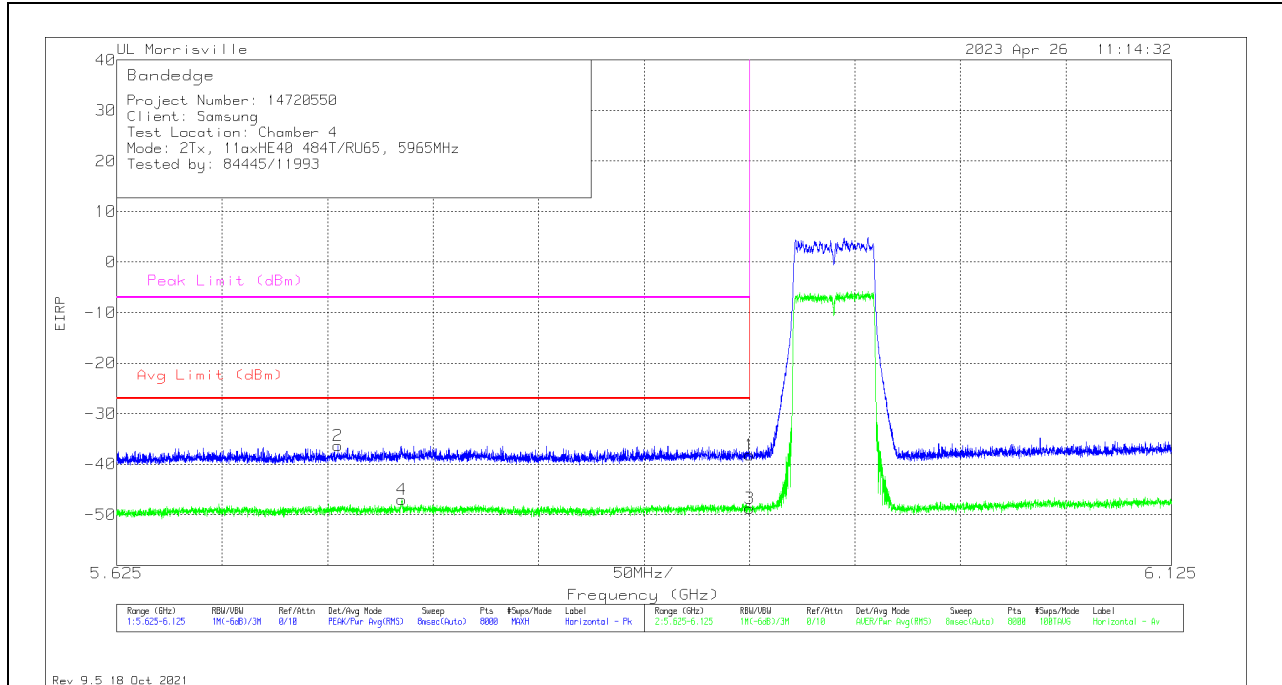
Pk - Peak detector  
 RMS - RMS detection

### 10.1.3. TX ABOVE 1 GHz 802.11ax HE40 MODE IN THE UNII-5 BAND

#### 2TX CHAIN 0 + CHAIN 1 OFDMA MODE: 484T

#### BANDEDGE (LOW CHANNEL)

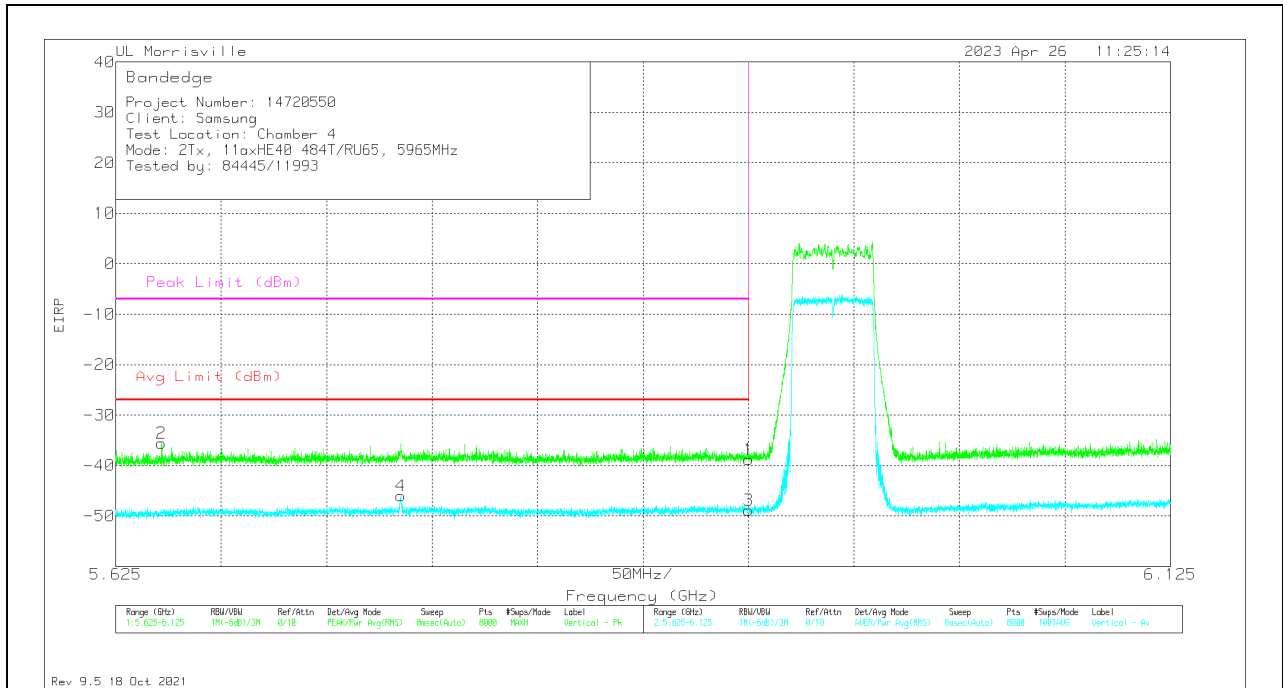
#### HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 86408 (dB/m) | Gain/Loss (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Avg Limit (dBm) | RMS Margin (dB) | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|--------------|----------------|------------------------|------------------------|-----------------|-----------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.92498         | -76.21              | Pk  | 35.1         | -8.9           | 11.8                   | -38.21                 | -               | -               | -7               | -31.21         | 275            | 188         | H        |
| 2      | 5.72976         | -73.82              | Pk  | 34.8         | -9.1           | 11.8                   | -36.32                 | -               | -               | -7               | -29.32         | 275            | 188         | H        |
| 3      | 5.92498         | -86.76              | RMS | 35.1         | -8.9           | 11.8                   | -48.76                 | -27             | -21.76          | -                | -              | 275            | 188         | H        |
| 4      | 5.76008         | -84.44              | RMS | 34.8         | -9.2           | 11.8                   | -47.04                 | -27             | -20.04          | -                | -              | 275            | 188         | H        |

Pk - Peak detector  
 RMS - RMS detection

**VERTICAL RESULT**



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 86408 (dB/m) | Gain/Loss (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Avg Limit (dBm) | RMS Margin (dB) | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|--------------|----------------|------------------------|------------------------|-----------------|-----------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.92498         | -76.77              | Pk  | 35.1         | -8.9           | 11.8                   | -38.77                 | -               | -               | -7               | -31.77         | 294            | 240         | V        |
| 2      | 5.64675         | -72.83              | Pk  | 34.8         | -9.4           | 11.8                   | -35.63                 | -               | -               | -7               | -28.63         | 294            | 240         | V        |
| 3      | 5.92498         | -86.88              | RMS | 35.1         | -8.9           | 11.8                   | -48.88                 | -27             | -21.88          | -                | -              | 294            | 240         | V        |
| 4      | 5.76002         | -83.43              | RMS | 34.8         | -9.2           | 11.8                   | -46.03                 | -27             | -19.03          | -                | -              | 294            | 240         | V        |

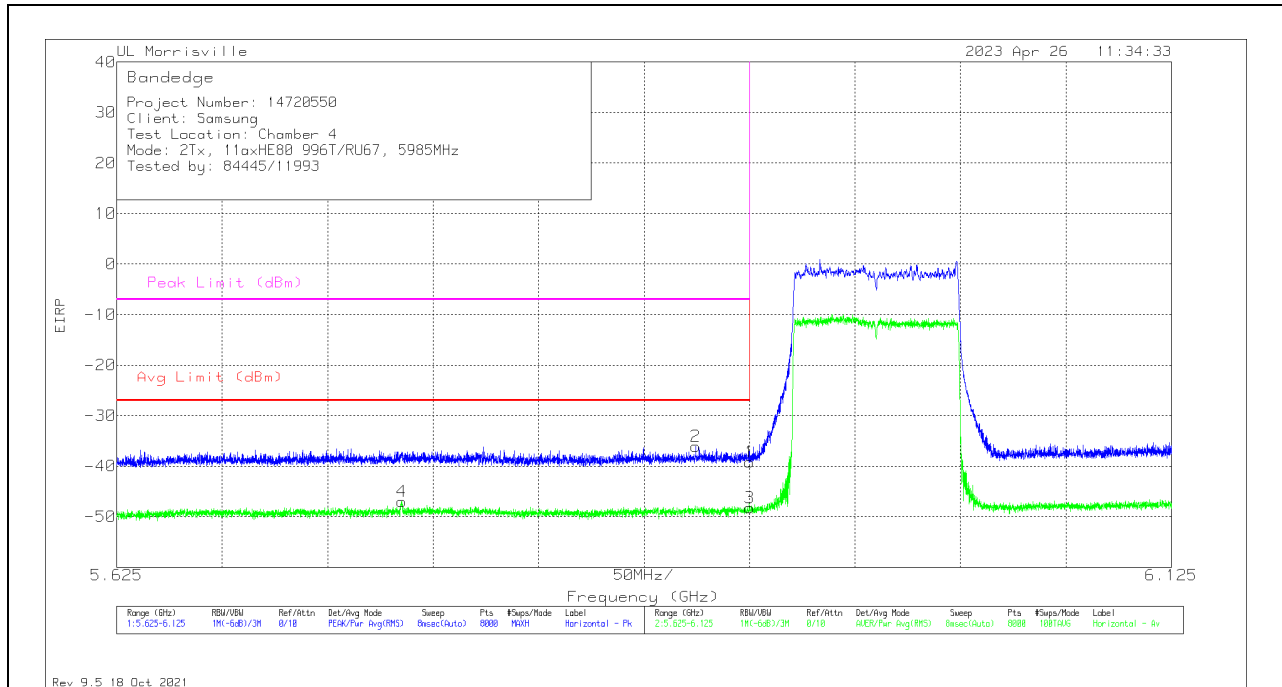
Pk - Peak detector  
 RMS - RMS detection

### 10.1.4. TX ABOVE 1 GHz 802.11ax HE80 MODE IN THE UNII-5 BAND

#### 2TX CHAIN 0 + CHAIN 1 OFDMA MODE: 996T

#### BANDEDGE (LOW CHANNEL)

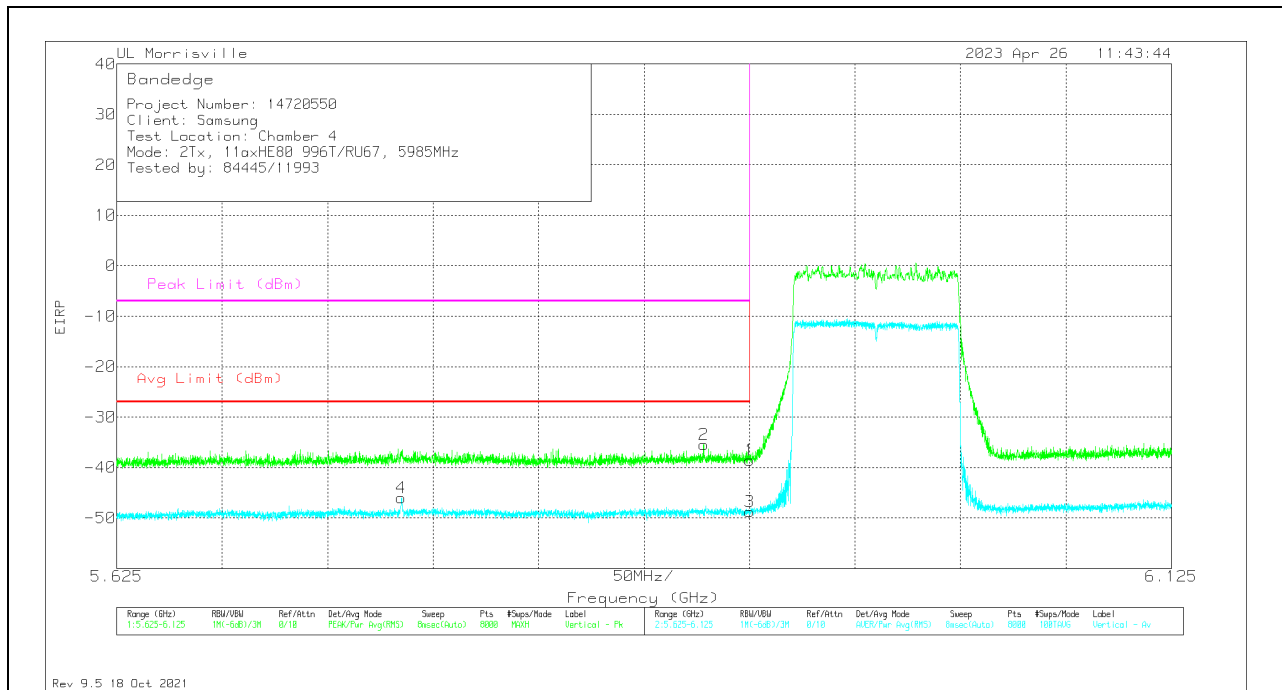
#### HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 86408 (dB/m) | Gain/Loss (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Avg Limit (dBm) | RMS Margin (dB) | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|--------------|----------------|------------------------|------------------------|-----------------|-----------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.92498         | -77.15              | Pk  | 35.1         | -8.9           | 11.8                   | -39.15                 | -               | -               | -7               | -32.15         | 277            | 232         | H        |
| 2      | 5.89941         | -74                 | Pk  | 35.1         | -9             | 11.8                   | -36.1                  | -               | -               | -7               | -29.1          | 277            | 232         | H        |
| 3      | 5.92498         | -86.29              | RMS | 35.1         | -8.9           | 11.8                   | -48.29                 | -27             | -21.29          | -                | -              | 277            | 232         | H        |
| 4      | 5.76002         | -84.42              | RMS | 34.8         | -9.2           | 11.8                   | -47.02                 | -27             | -20.02          | -                | -              | 277            | 232         | H        |

Pk - Peak detector  
 RMS - RMS detection

**VERTICAL RESULT**



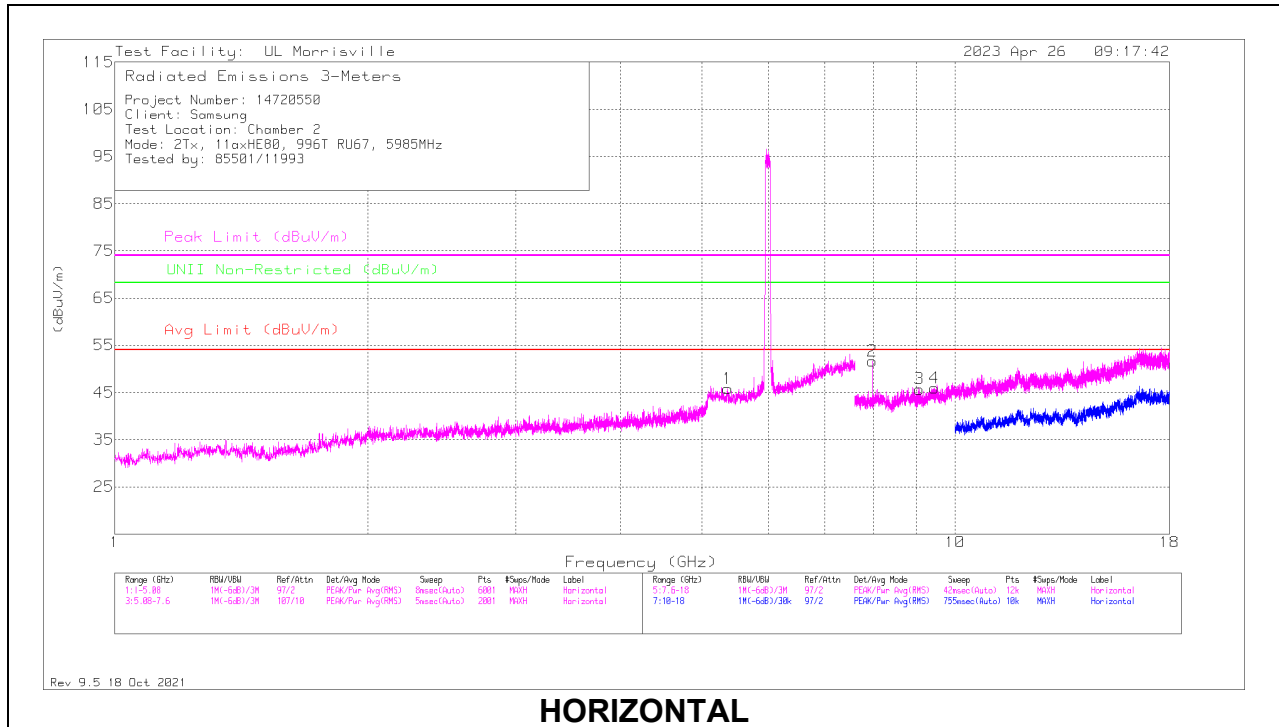
| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 86408 (dB/m) | Gain/Loss (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Avg Limit (dBm) | RMS Margin (dB) | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|--------------|----------------|------------------------|------------------------|-----------------|-----------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.92498         | -76.56              | Pk  | 35.1         | -8.9           | 11.8                   | -38.56                 | -               | -               | -7               | -31.56         | 287            | 252         | V        |
| 2      | 5.90322         | -73.48              | Pk  | 35.1         | -8.9           | 11.8                   | -35.48                 | -               | -               | -7               | -28.48         | 287            | 252         | V        |
| 3      | 5.92498         | -86.76              | RMS | 35.1         | -8.9           | 11.8                   | -48.76                 | -27             | -21.76          | -                | -              | 287            | 252         | V        |
| 4      | 5.75995         | -83.42              | RMS | 34.8         | -9.2           | 11.8                   | -46.02                 | -27             | -19.02          | -                | -              | 287            | 252         | V        |

Pk - Peak detector  
 RMS - RMS detection

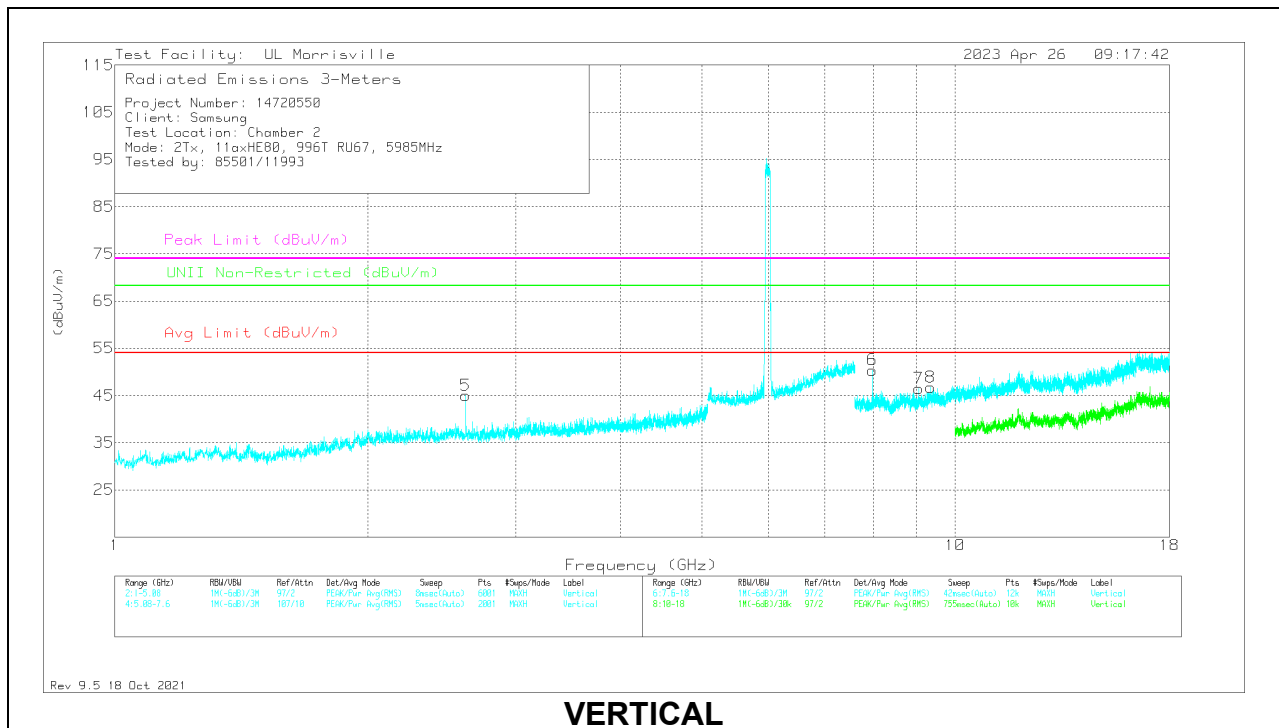


# HARMONICS AND SPURIOUS EMISSIONS

**LOW**



**HORIZONTAL**



**VERTICAL**

RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | 88761 (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 |
|--------|-----------------|----------------------|------|--------------|----------------|-------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 5      | ** 2.61704      | 46.38                | Pk   | 32.1         | -33.5          | 0           | 44.98                      | 54                 | -9.02       | -                   | -              | 68.2                         | -23.22         | 0-360          | 200         | V        |
| 1      | *** 5.36728     | 34.65                | Pk   | 34.3         | -23.1          | 0           | 45.85                      | -                  | -           | 74                  | -28.15         | -                            | -              | 0-360          | 200         | H        |
| 3      | *** 9.06987     | 35.34                | Pk   | 36.1         | -26            | .3          | 45.74                      | 54                 | -8.26       | 74                  | -28.26         | -                            | -              | 0-360          | 101         | H        |
| 4      | *** 9.45813     | 35.84                | Pk   | 36.6         | -26.8          | .3          | 45.94                      | 54                 | -8.06       | 74                  | -28.06         | -                            | -              | 0-360          | 199         | H        |
| 7      | *** 9.05513     | 36.25                | Pk   | 36.1         | -26.3          | .4          | 46.45                      | 54                 | -7.55       | 74                  | -27.55         | -                            | -              | 0-360          | 101         | V        |
| 8      | *** 9.35587     | 35.81                | Pk   | 36.6         | -26            | .3          | 46.71                      | 54                 | -7.29       | 74                  | -27.29         | -                            | -              | 0-360          | 199         | V        |
| 2      | 7.97997         | 41.67                | PK-U | 35.8         | -27.5          | .7          | 50.67                      | -                  | -           | -                   | -              | 68.2                         | -17.53         | 281            | 126         | H        |
|        | 7.98            | 36.9                 | ADR  | 35.8         | -27.5          | .7          | 45.9                       | 54                 | -8.1        | -                   | -              | -                            | -              | 281            | 126         | H        |
| 6      | 7.97996         | 42.53                | PK-U | 35.8         | -27.5          | .7          | 51.53                      | -                  | -           | -                   | -              | 68.2                         | -16.67         | 210            | 183         | V        |
|        | 7.97996         | 38.02                | ADR  | 35.8         | -27.5          | .7          | 47.02                      | 54                 | -6.98       | -                   | -              | -                            | -              | 210            | 183         | V        |

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

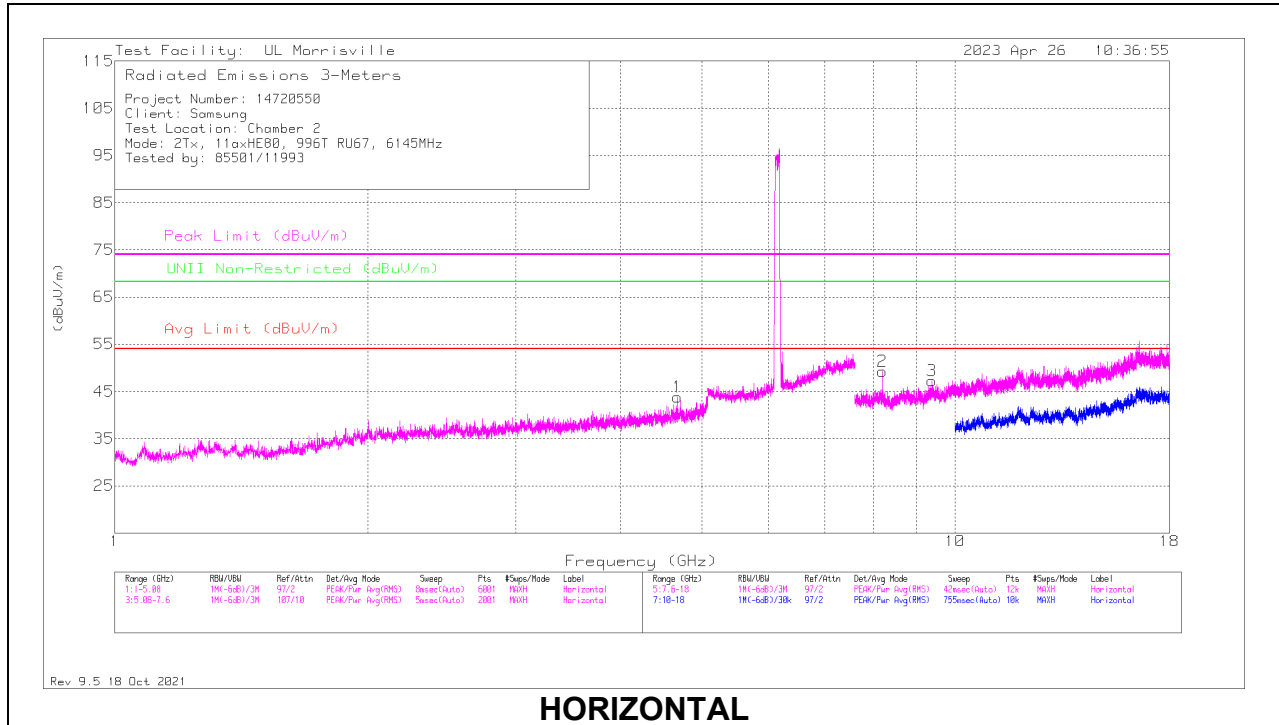
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

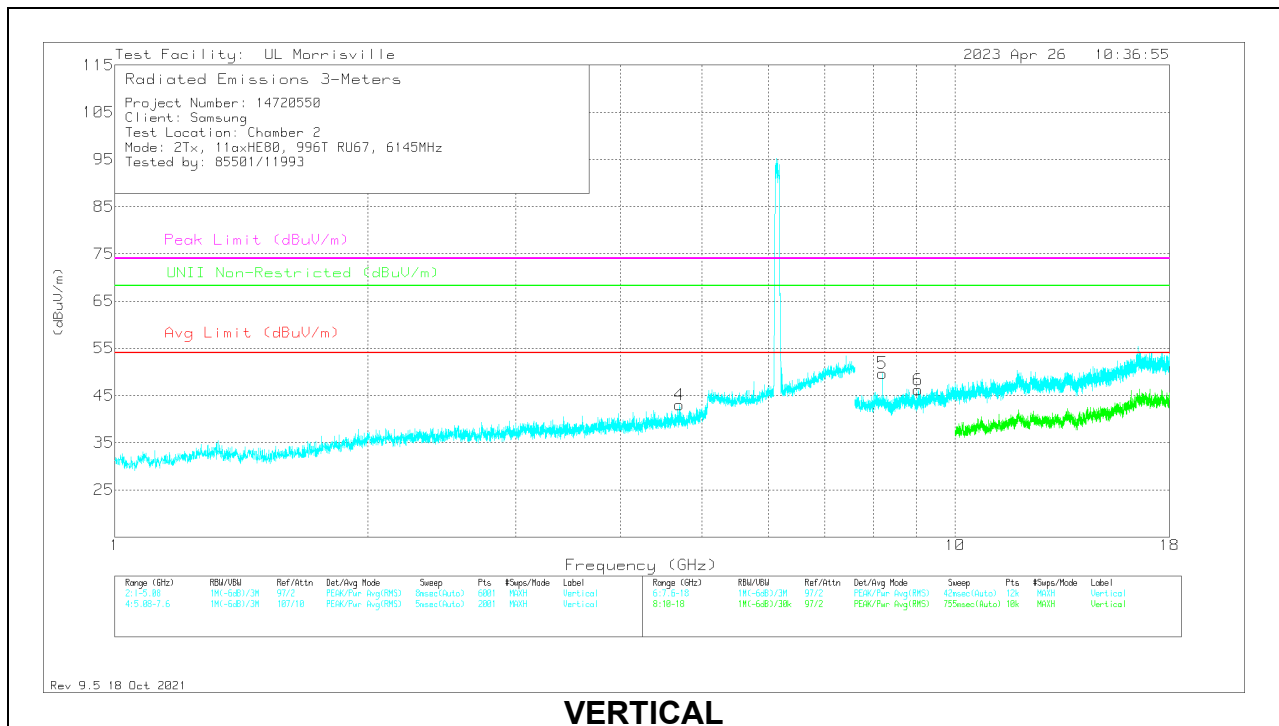
PK-U - Maximum Peak

ADR - RMS average

**MID**



**HORIZONTAL**



**VERTICAL**

RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | 88761 (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      | * ** 4.67472    | 40.16                | Pk   | 34.1         | -30.5          | 0           | 43.76                      | 54                 | -10.24      | 74                  | -30.24         | -                            | -              | 0-360          | 101         | H        |
| 4      | * ** 4.70056    | 39.21                | Pk   | 34           | -30.2          | 0           | 43.01                      | 54                 | -10.99      | 74                  | -30.99         | -                            | -              | 0-360          | 101         | V        |
| 2      | * ** 8.19334    | 43.85                | PK-U | 35.7         | -27.2          | .9          | 53.25                      | -                  | -           | 74                  | -20.75         | -                            | -              | 136            | 102         | H        |
|        | * ** 8.19329    | 40                   | ADR  | 35.7         | -27.2          | .9          | 49.4                       | 54                 | -4.6        | -                   | -              | -                            | -              | 136            | 102         | H        |
| 5      | * ** 8.19337    | 43.47                | PK-U | 35.7         | -27.2          | .9          | 52.87                      | -                  | -           | 74                  | -21.13         | -                            | -              | 220            | 167         | V        |
|        | * ** 8.19331    | 39.46                | ADR  | 35.7         | -27.2          | .9          | 48.86                      | 54                 | -5.14       | -                   | -              | -                            | -              | 220            | 167         | V        |
| 6      | * ** 9.03347    | 36.36                | Pk   | 36.1         | -26.8          | .5          | 46.16                      | 54                 | -7.84       | 74                  | -27.84         | -                            | -              | 0-360          | 200         | V        |
| 3      | * ** 9.394      | 36.15                | Pk   | 36.6         | -26            | .5          | 47.25                      | 54                 | -6.75       | 74                  | -26.75         | -                            | -              | 0-360          | 200         | H        |

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

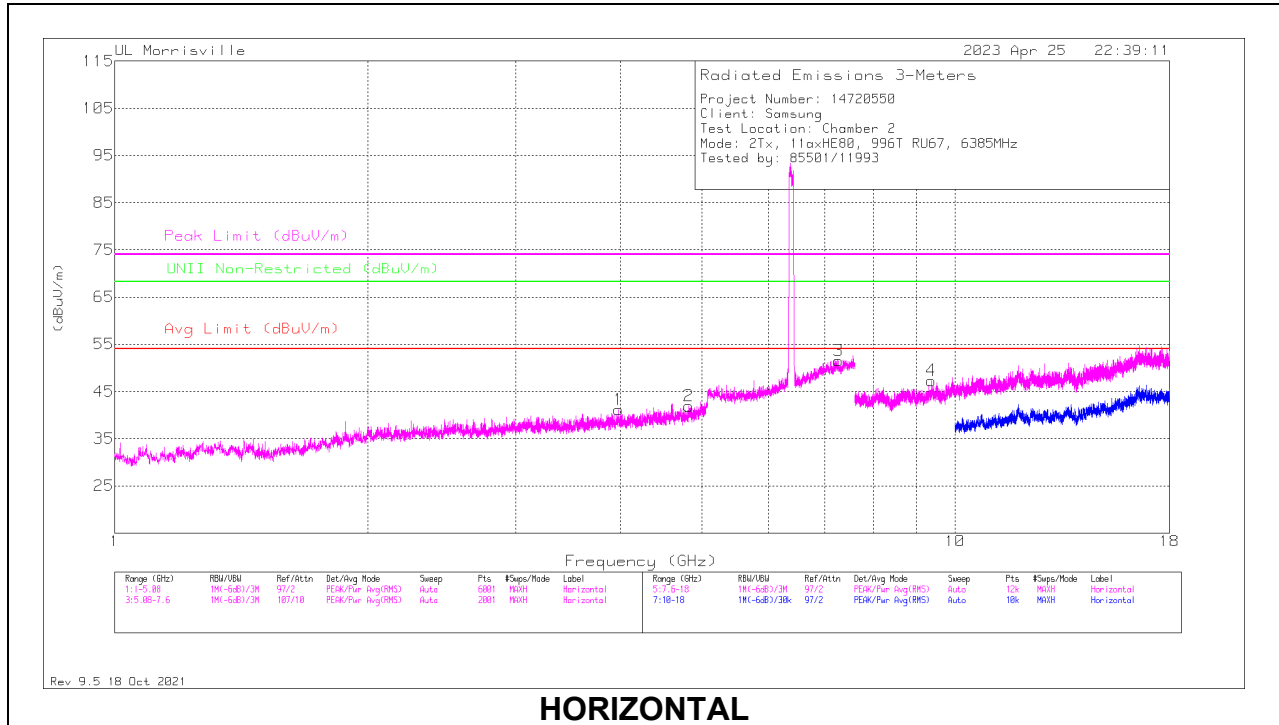
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

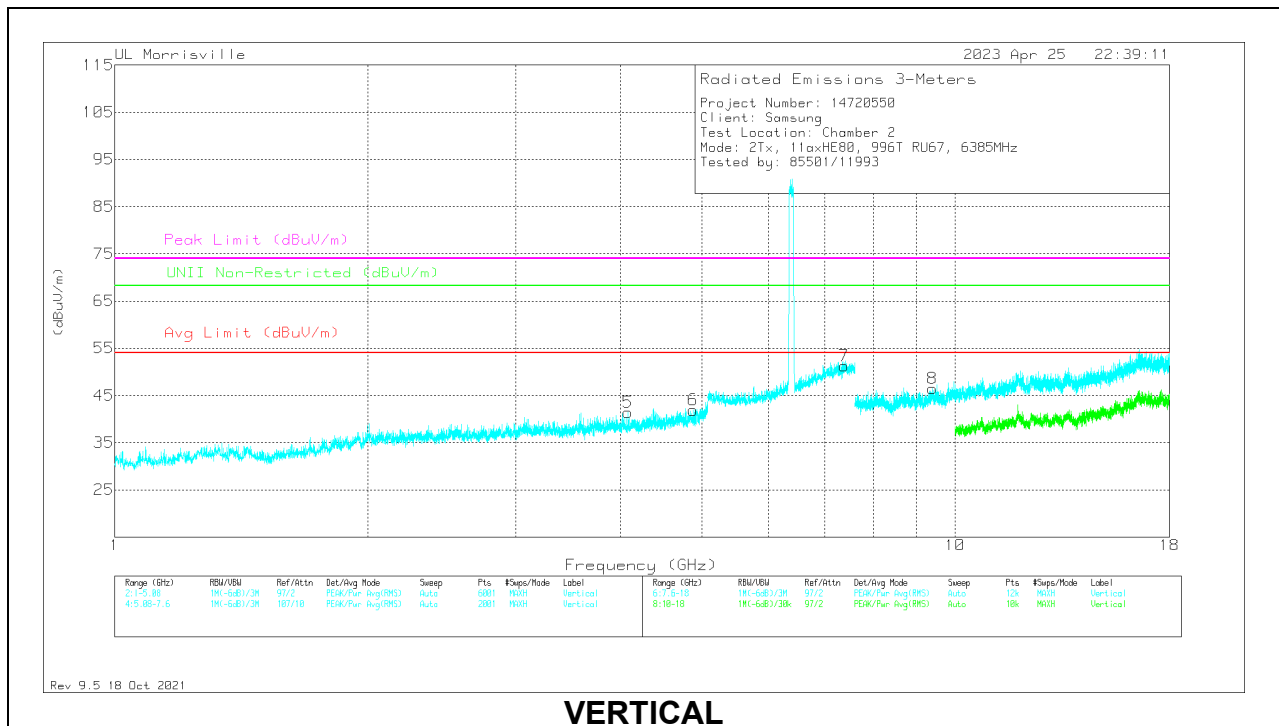
PK-U - Maximum Peak

ADR - RMS average

**HIGH**



**HORIZONTAL**



**VERTICAL**

RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | 88761 (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      | * ** 3.97908    | 39.31                | Pk   | 33.3         | -31.5          | 0           | 41.11                      | 54                 | -12.89      | 74                  | -32.89         | -                            | -              | 0-360          | 200         | H        |
| 2      | * ** 4.81956    | 38.09                | Pk   | 34           | -30.2          | 0           | 41.89                      | 54                 | -12.11      | 74                  | -32.11         | -                            | -              | 0-360          | 200         | H        |
| 5      | * ** 4.07972    | 39.98                | Pk   | 33.4         | -32            | 0           | 41.38                      | 54                 | -12.62      | 74                  | -32.62         | -                            | -              | 0-360          | 101         | V        |
| 6      | * ** 4.87668    | 38.39                | Pk   | 34           | -30.5          | 0           | 41.89                      | 54                 | -12.11      | 74                  | -32.11         | -                            | -              | 0-360          | 101         | V        |
| 3      | * ** 7.26893    | 35.3                 | PK-U | 35.6         | -18.2          | 0           | 52.7                       | -                  | -           | 74                  | -21.3          | -                            | -              | 238            | 264         | H        |
|        | * ** 7.26817    | 23.66                | ADR  | 35.6         | -18.2          | 0           | 41.06                      | 54                 | -12.94      | -                   | -              | -                            | -              | 238            | 264         | H        |
| 7      | * ** 7.37983    | 34.81                | PK-U | 35.6         | -17.7          | 0           | 52.71                      | -                  | -           | 74                  | -21.29         | -                            | -              | 282            | 239         | V        |
|        | * ** 7.37667    | 23.34                | ADR  | 35.6         | -17.7          | 0           | 41.24                      | 54                 | -12.76      | -                   | -              | -                            | -              | 282            | 239         | V        |
| 4      | * ** 9.36627    | 36.13                | Pk   | 36.6         | -25.8          | .4          | 47.33                      | 54                 | -6.67       | 74                  | -26.67         | -                            | -              | 0-360          | 101         | H        |
| 8      | * ** 9.40613    | 35.54                | Pk   | 36.6         | -26.1          | .4          | 46.44                      | 54                 | -7.56       | 74                  | -27.56         | -                            | -              | 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

PK-U - Maximum Peak

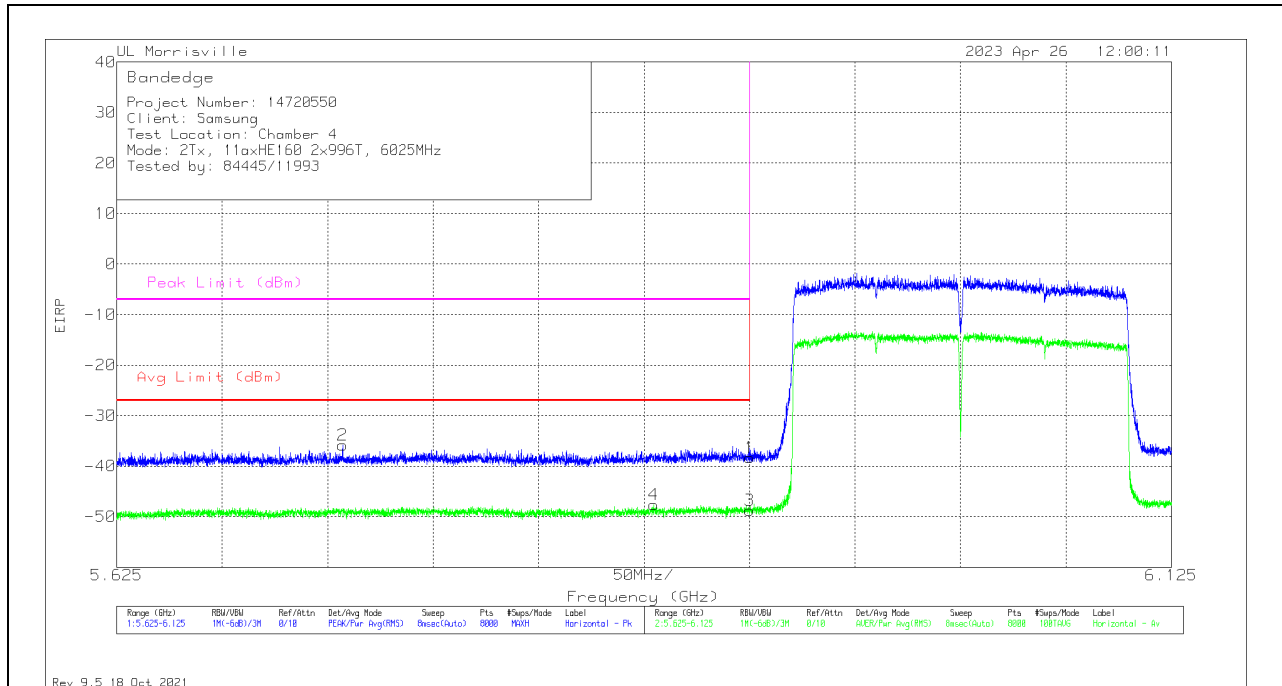
ADR - RMS average

### 10.1.5. TX ABOVE 1 GHz 802.11ax HE160 MODE IN THE UNII-5 BAND

#### 2TX CHAIN 0 + CHAIN 1 OFDMA MODE: 2x 996T

#### BANDEDGE (LOW CHANNEL)

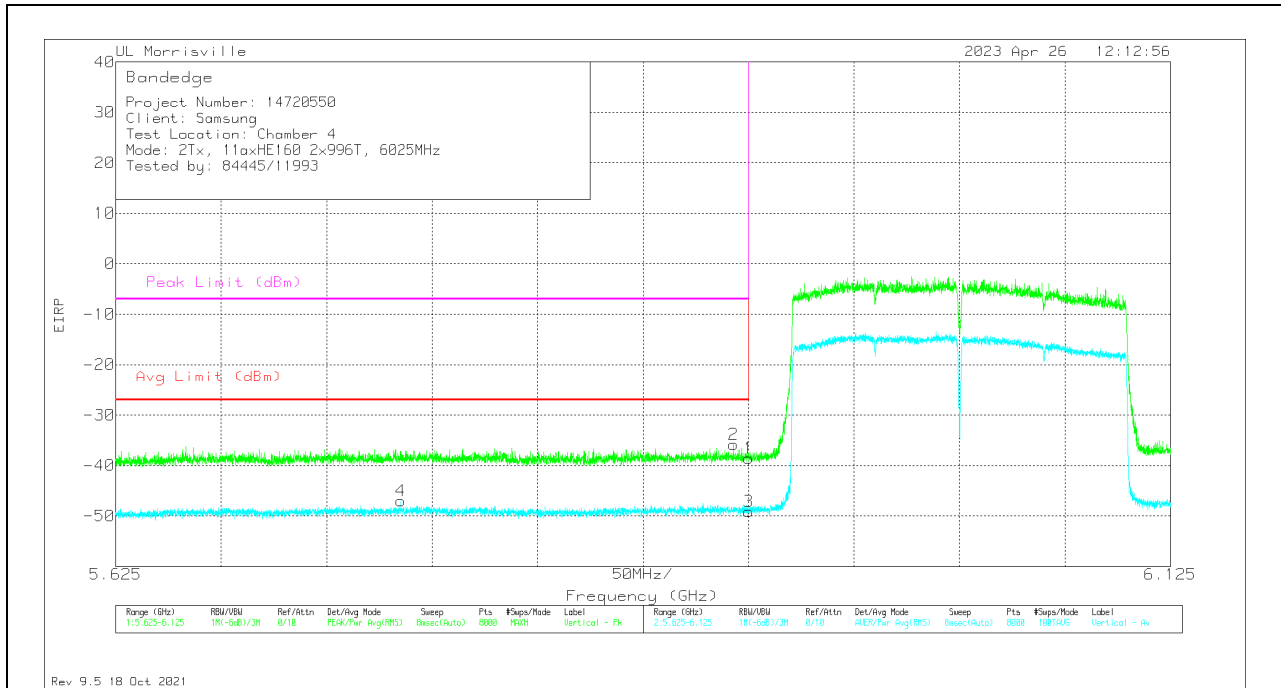
#### HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 86408 (dB/m) | Gain/Loss (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Avg Limit (dBm) | RMS Margin (dB) | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|--------------|----------------|------------------------|------------------------|-----------------|-----------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.92498         | -76.31              | Pk  | 35.1         | -8.9           | 11.8                   | -38.31                 | -               | -               | -7               | -31.31         | 321            | 151         | H        |
| 2      | 5.73208         | -73.37              | Pk  | 34.8         | -9.1           | 11.8                   | -35.87                 | -               | -               | -7               | -28.87         | 321            | 151         | H        |
| 3      | 5.92498         | -86.69              | RMS | 35.1         | -8.9           | 11.8                   | -48.69                 | -27             | -21.69          | -                | -              | 321            | 151         | H        |
| 4      | 5.8796          | -85.43              | RMS | 35           | -9             | 11.8                   | -47.63                 | -27             | -20.63          | -                | -              | 321            | 151         | H        |

Pk - Peak detector  
 RMS - RMS detection

**VERTICAL RESULT**



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 86408 (dB/m) | Gain/Loss (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Avg Limit (dBm) | RMS Margin (dB) | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|--------------|----------------|------------------------|------------------------|-----------------|-----------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.92498         | -76.57              | Pk  | 35.1         | -8.9           | 11.8                   | -38.57                 | -               | -               | -7               | -31.57         | 308            | 181         | V        |
| 2      | 5.91791         | -73.75              | Pk  | 35.1         | -9             | 11.8                   | -35.85                 | -               | -               | -7               | -28.85         | 308            | 181         | V        |
| 3      | 5.92498         | -87.11              | RMS | 35.1         | -8.9           | 11.8                   | -49.11                 | -27             | -22.11          | -                | -              | 308            | 181         | V        |
| 4      | 5.76008         | -84.45              | RMS | 34.8         | -9.2           | 11.8                   | -47.05                 | -27             | -20.05          | -                | -              | 308            | 181         | V        |

Pk - Peak detector  
 RMS - RMS detection

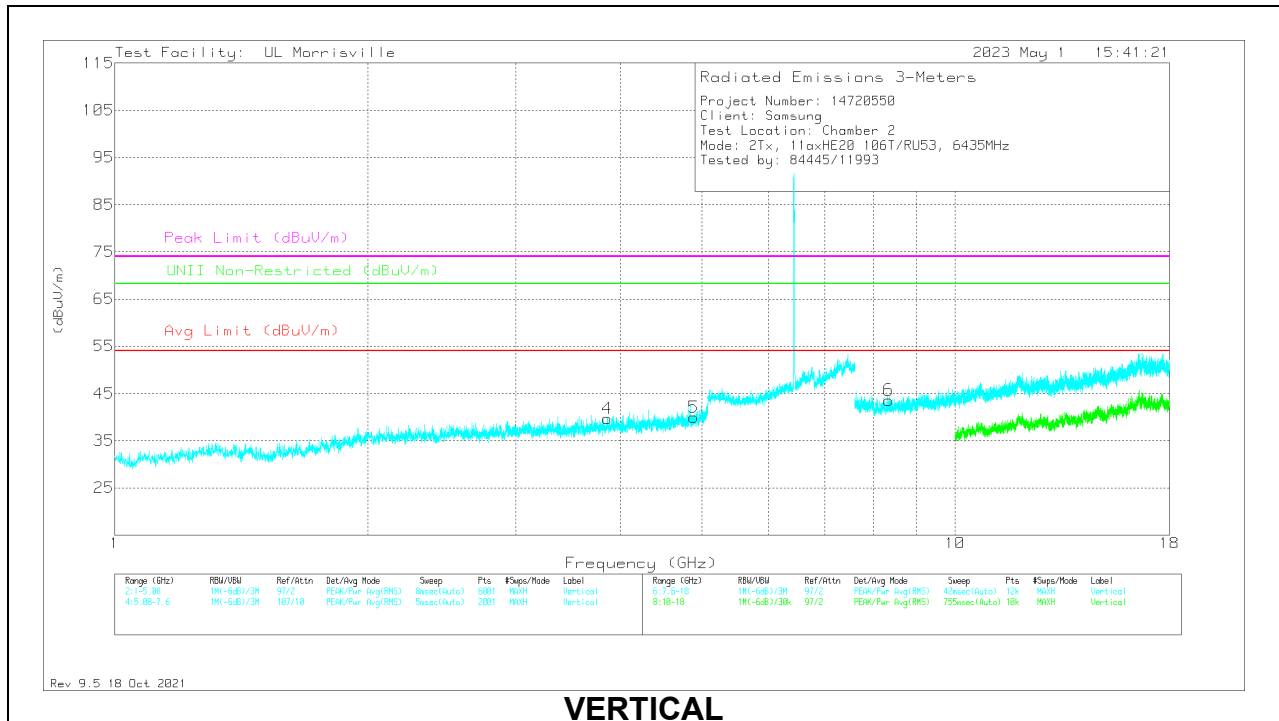
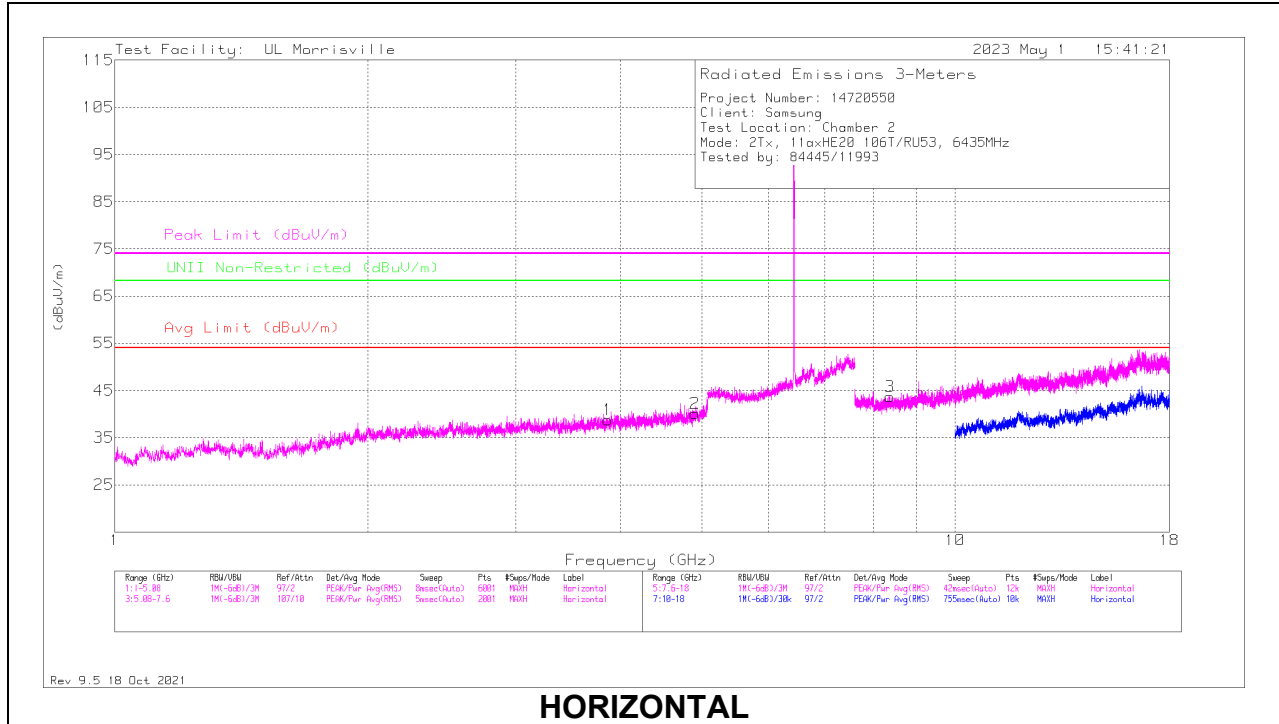


### 10.1.6. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE UNII-6 BAND

#### 2TX CHAIN 0 + CHAIN 1 OFDMA MODE: 106T

#### HARMONICS AND SPURIOUS EMISSIONS

**LOW**



RADIATED EMISSIONS

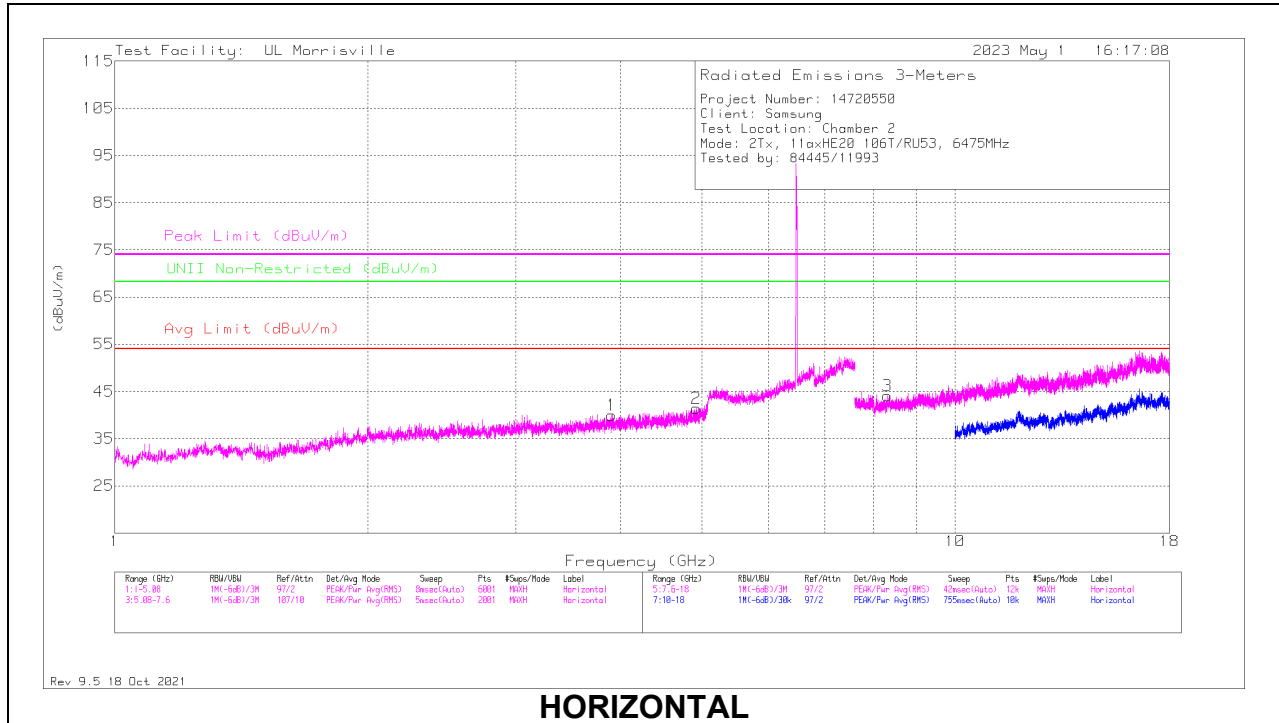
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 88761 (dB/m) | Gain/Loss (dB) | Filter (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|--------------|----------------|-------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * ** 3.86144    | 37.36                | Pk  | 33.4         | -32            | 0           | 38.76                      | 54                 | -15.24      | 74                  | -35.24         | -                            | -              | 0-360          | 101         | H        |
| 2      | * ** 4.90116    | 35.82                | Pk  | 34           | -29.7          | 0           | 40.12                      | 54                 | -13.88      | 74                  | -33.88         | -                            | -              | 0-360          | 200         | H        |
| 4      | * ** 3.85532    | 38.33                | Pk  | 33.4         | -32            | 0           | 39.73                      | 54                 | -14.27      | 74                  | -34.27         | -                            | -              | 0-360          | 101         | V        |
| 5      | *** 4.8862      | 36.2                 | Pk  | 34           | -30.2          | 0           | 40                         | 54                 | -14         | 74                  | -34            | -                            | -              | 0-360          | 101         | V        |
| 6      | * ** 8.34187    | 34.11                | Pk  | 35.8         | -26.8          | .5          | 43.61                      | 54                 | -10.39      | 74                  | -30.39         | -                            | -              | 0-360          | 200         | V        |
| 3      | * ** 8.36267    | 34.38                | Pk  | 35.8         | -27            | .5          | 43.68                      | 54                 | -10.32      | 74                  | -30.32         | -                            | -              | 0-360          | 101         | H        |

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

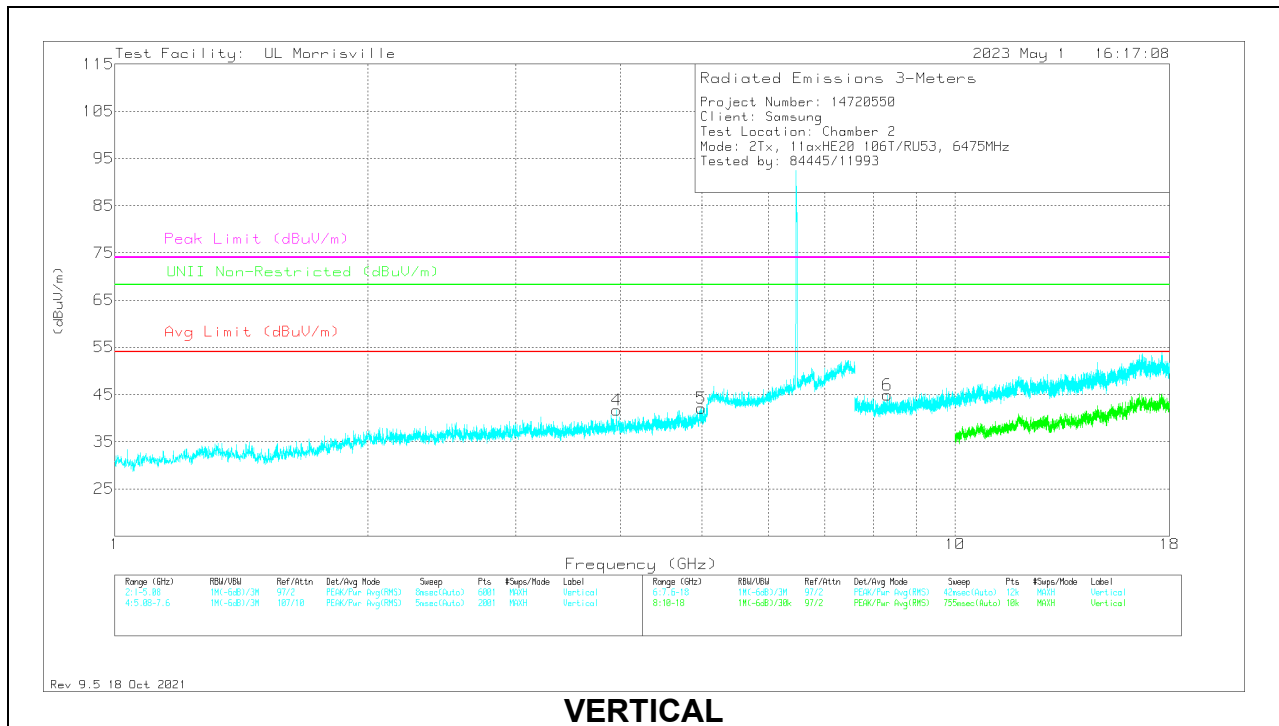
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**MID**



**HORIZONTAL**



**VERTICAL**

RADIATED EMISSIONS

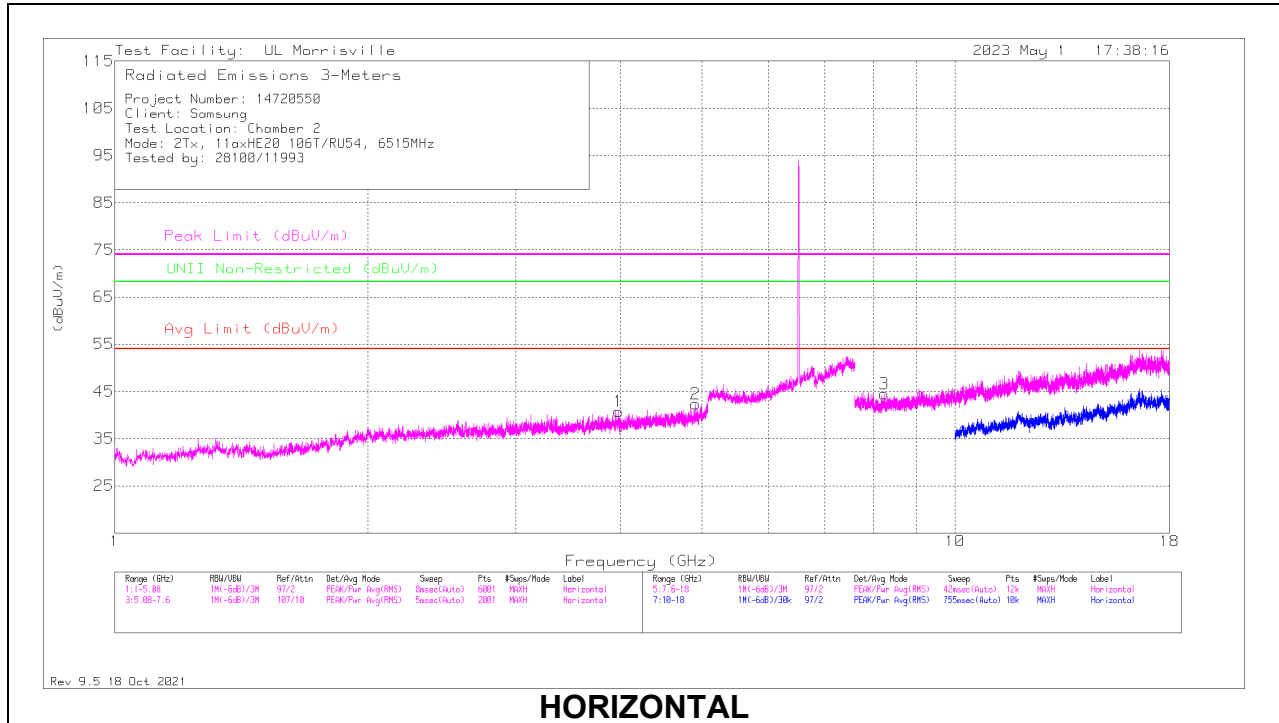
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 88761 (dB/m) | Gain/Loss (dB) | Filter (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|--------------|----------------|-------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * ** 3.90428    | 38.48                | Pk  | 33.4         | -31.9          | 0           | 39.98                      | 54                 | -14.02      | 74                  | -34.02         | -                            | -              | 0-360          | 101         | H        |
| 2      | * ** 4.92088    | 36.94                | Pk  | 34           | -29.5          | 0           | 41.44                      | 54                 | -12.56      | 74                  | -32.56         | -                            | -              | 0-360          | 101         | H        |
| 4      | * ** 3.95528    | 39.54                | Pk  | 33.4         | -31.3          | 0           | 41.64                      | 54                 | -12.36      | 74                  | -32.36         | -                            | -              | 0-360          | 101         | V        |
| 5      | * ** 4.98548    | 37.36                | Pk  | 34           | -29.3          | 0           | 42.06                      | 54                 | -11.94      | 74                  | -31.94         | -                            | -              | 0-360          | 199         | V        |
| 6      | * ** 8.30807    | 35.21                | Pk  | 35.7         | -26.7          | .7          | 44.91                      | 54                 | -9.09       | 74                  | -29.09         | -                            | -              | 0-360          | 200         | V        |
| 3      | * ** 8.31587    | 34.46                | Pk  | 35.7         | -26.8          | .7          | 44.06                      | 54                 | -9.94       | 74                  | -29.94         | -                            | -              | 0-360          | 200         | H        |

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

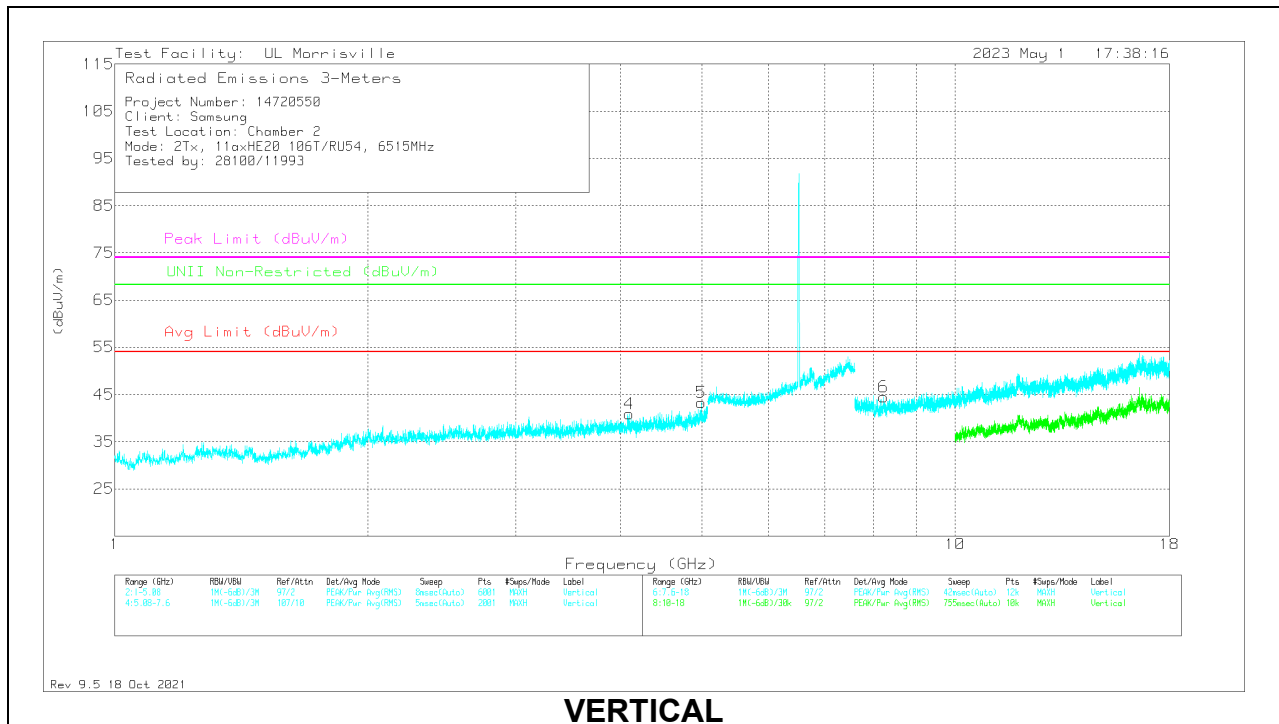
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**HIGH**



**HORIZONTAL**



**VERTICAL**

RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 88761 (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      | * ** 3.9784     | 38.81                | Pk  | 33.3         | -31.4          | 0           | 40.71                      | 54                 | -13.29      | 74                  | -33.29         | -                            | -              | 0-360          | 199         | H        |
| 2      | * ** 4.9168     | 37.9                 | Pk  | 34           | -29.6          | 0           | 42.3                       | 54                 | -11.7       | 74                  | -31.7          | -                            | -              | 0-360          | 101         | H        |
| 4      | * ** 4.09332    | 39.13                | Pk  | 33.4         | -31.6          | 0           | 40.93                      | 54                 | -13.07      | 74                  | -33.07         | -                            | -              | 0-360          | 101         | V        |
| 5      | * ** 4.98888    | 38.58                | Pk  | 34           | -29.3          | 0           | 43.28                      | 54                 | -10.72      | 74                  | -30.72         | -                            | -              | 0-360          | 101         | V        |
| 6      | * ** 8.2266     | 34.97                | Pk  | 35.8         | -26.9          | .6          | 44.47                      | 54                 | -9.53       | 74                  | -29.53         | -                            | -              | 0-360          | 101         | V        |
| 3      | * ** 8.23787    | 35.42                | Pk  | 35.8         | -27.4          | .6          | 44.42                      | 54                 | -9.58       | 74                  | -29.58         | -                            | -              | 0-360          | 101         | H        |

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

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

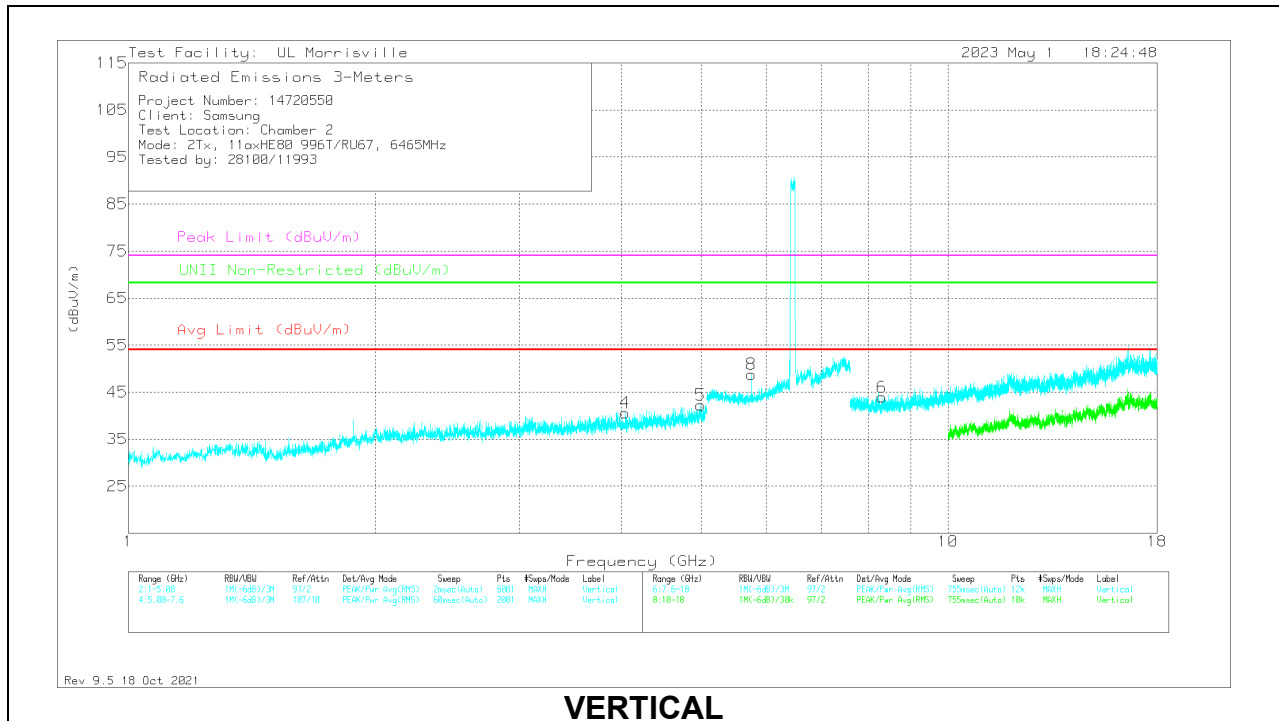
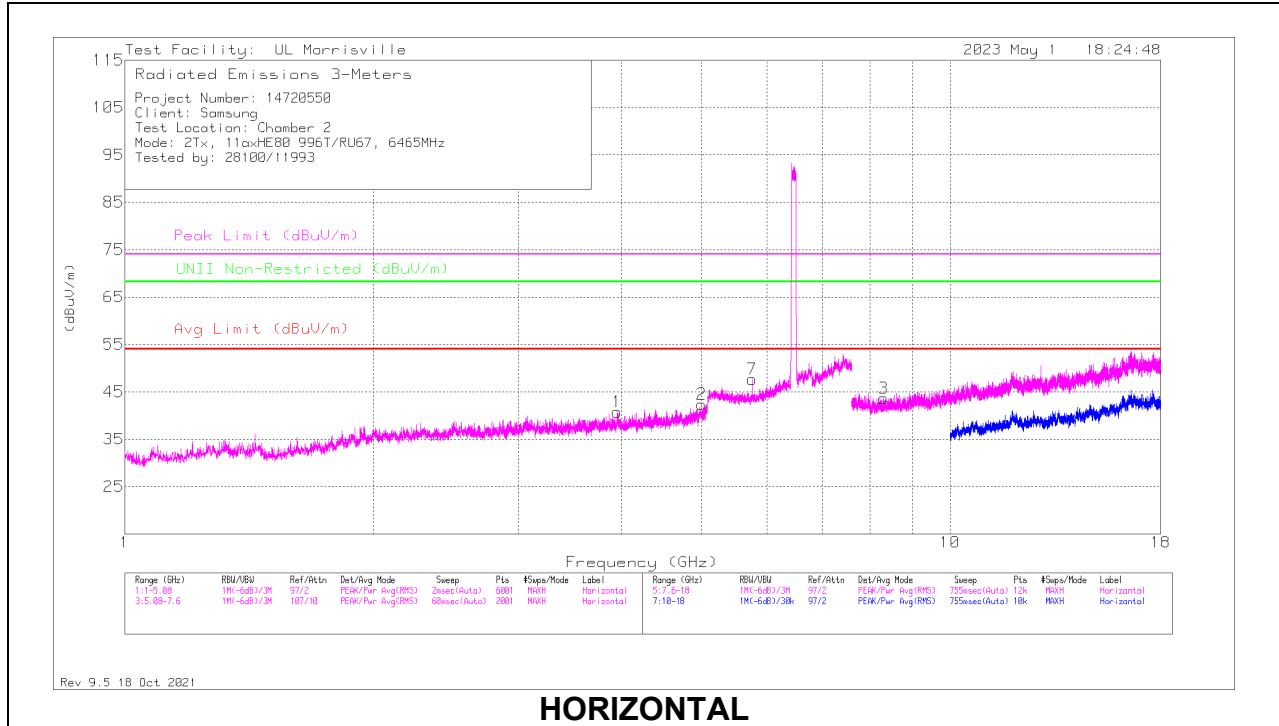
Pk - Peak detector

### 10.1.7. TX ABOVE 1 GHz 802.11ax HE80 MODE IN THE UNII-6 BAND

#### 2TX CHAIN 0 + CHAIN 1 OFDMA MODE: 996T

#### HARMONICS AND SPURIOUS EMISSIONS

**LOW**



RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 88761 (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      | * ** 3.94712    | 38.77                | Pk  | 33.4         | -31.4          | 0           | 40.77                      | 54                 | -13.23      | 74                  | -33.23         | -                            | -              | 0-360          | 199         | H        |
| 2      | * ** 4.9984     | 37.78                | Pk  | 34           | -29.4          | 0           | 42.38                      | 54                 | -11.62      | 74                  | -31.62         | -                            | -              | 0-360          | 101         | H        |
| 4      | * ** 4.03824    | 39.49                | Pk  | 33.3         | -32.2          | 0           | 40.59                      | 54                 | -13.41      | 74                  | -33.41         | -                            | -              | 0-360          | 101         | V        |
| 5      | * ** 4.9916     | 37.57                | Pk  | 34           | -29.3          | 0           | 42.27                      | 54                 | -11.73      | 74                  | -31.73         | -                            | -              | 0-360          | 199         | V        |
| 3      | * ** 8.31153    | 33.94                | Pk  | 35.7         | -26.7          | .7          | 43.64                      | 54                 | -10.36      | 74                  | -30.36         | -                            | -              | 0-360          | 199         | H        |
| 6      | * ** 8.3124     | 34.23                | Pk  | 35.7         | -26.7          | .7          | 43.93                      | 54                 | -10.07      | 74                  | -30.07         | -                            | -              | 0-360          | 101         | V        |
| 7      | 5.7604          | 36.18                | Pk  | 34.6         | -23.1          | 0           | 47.68                      | -                  | -           | -                   | -              | 68.2                         | -20.52         | 0-360          | 101         | H        |
| 8      | 5.7604          | 37.28                | Pk  | 34.6         | -23.1          | 0           | 48.78                      | -                  | -           | -                   | -              | 68.2                         | -19.42         | 0-360          | 101         | V        |

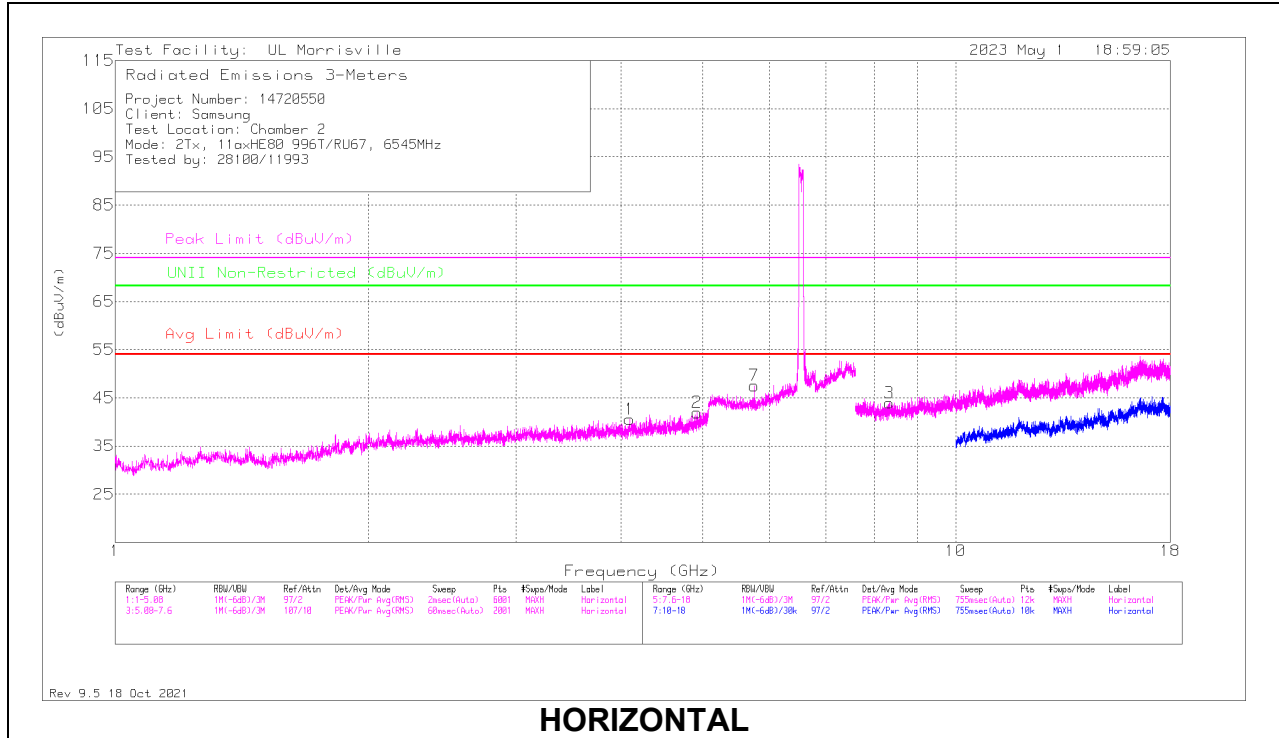
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

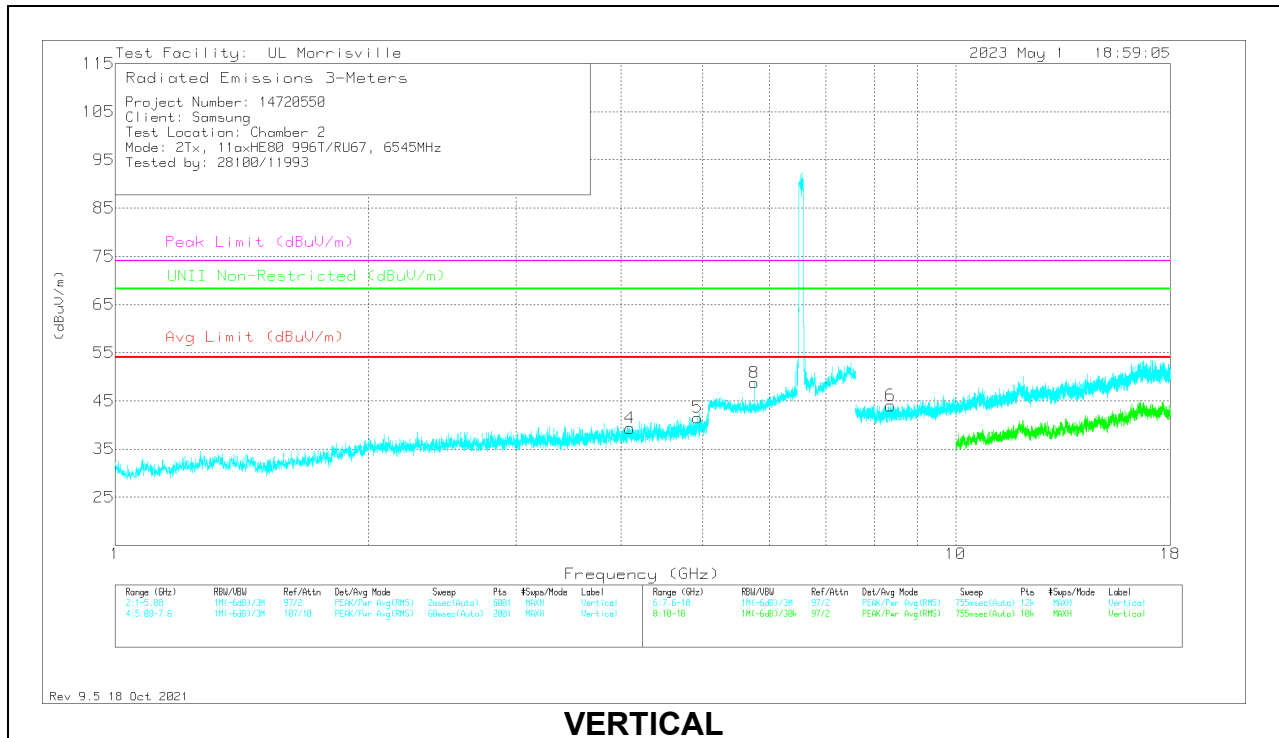
Pk - Peak detector



**HIGH**



**HORIZONTAL**



**VERTICAL**

RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 88761 (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      | * ** 4.09196    | 38.72                | Pk  | 33.4         | -31.6          | 0           | 40.52                      | 54                 | -13.48      | 74                  | -33.48         | -                            | -              | 0-360          | 200         | H        |
| 2      | * ** 4.92156    | 37.44                | Pk  | 34           | -29.5          | 0           | 41.94                      | 54                 | -12.06      | 74                  | -32.06         | -                            | -              | 0-360          | 101         | H        |
| 4      | * ** 4.09264    | 37.52                | Pk  | 33.4         | -31.6          | 0           | 39.32                      | 54                 | -14.68      | 74                  | -34.68         | -                            | -              | 0-360          | 200         | V        |
| 5      | * ** 4.92904    | 36.82                | Pk  | 33.9         | -29.2          | 0           | 41.52                      | 54                 | -12.48      | 74                  | -32.48         | -                            | -              | 0-360          | 200         | V        |
| 3      | * ** 8.3384     | 34.44                | Pk  | 35.8         | -26.9          | .6          | 43.94                      | 54                 | -10.06      | 74                  | -30.06         | -                            | -              | 0-360          | 101         | H        |
| 6      | * ** 8.36093    | 34.73                | Pk  | 35.8         | -27            | .5          | 44.03                      | 54                 | -9.97       | 74                  | -29.97         | -                            | -              | 0-360          | 199         | V        |
| 7      | 5.7604          | 36.03                | Pk  | 34.6         | -23.1          | 0           | 47.53                      | -                  | -           | -                   | -              | 68.2                         | -20.67         | 0-360          | 199         | H        |
| 8      | 5.7604          | 37.24                | Pk  | 34.6         | -23.1          | 0           | 48.74                      | -                  | -           | -                   | -              | 68.2                         | -19.46         | 0-360          | 101         | V        |

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

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

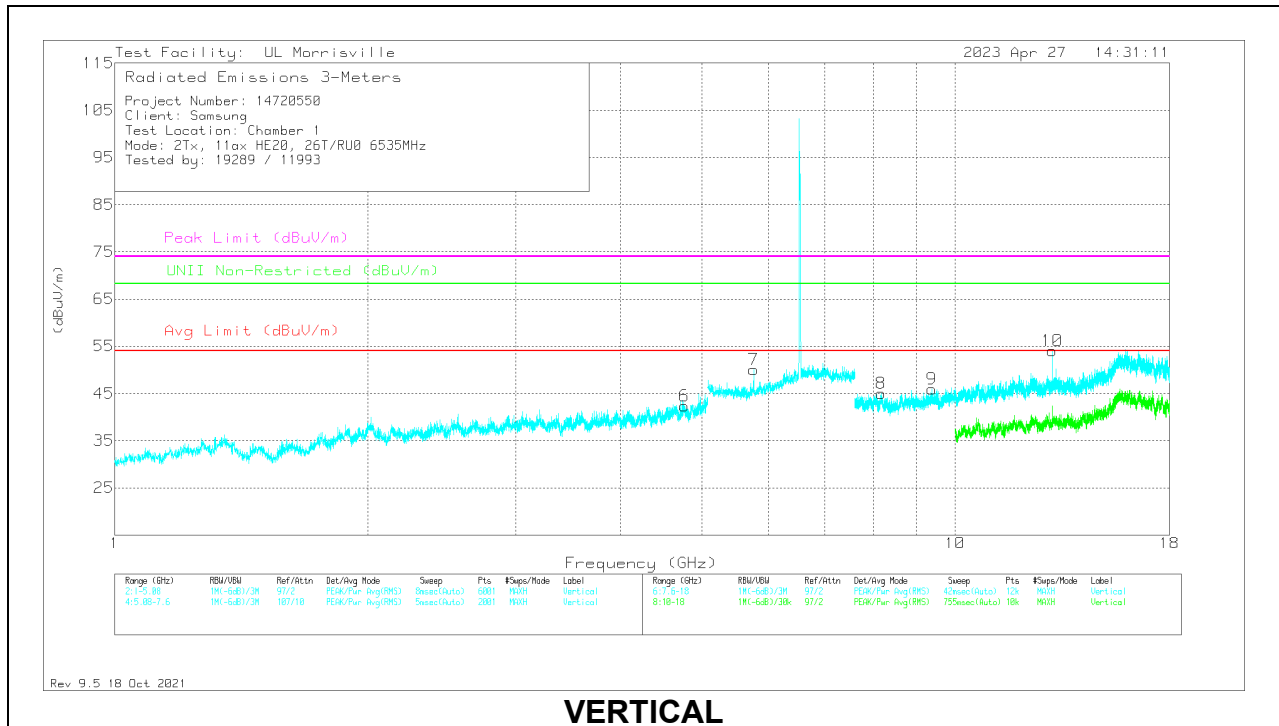
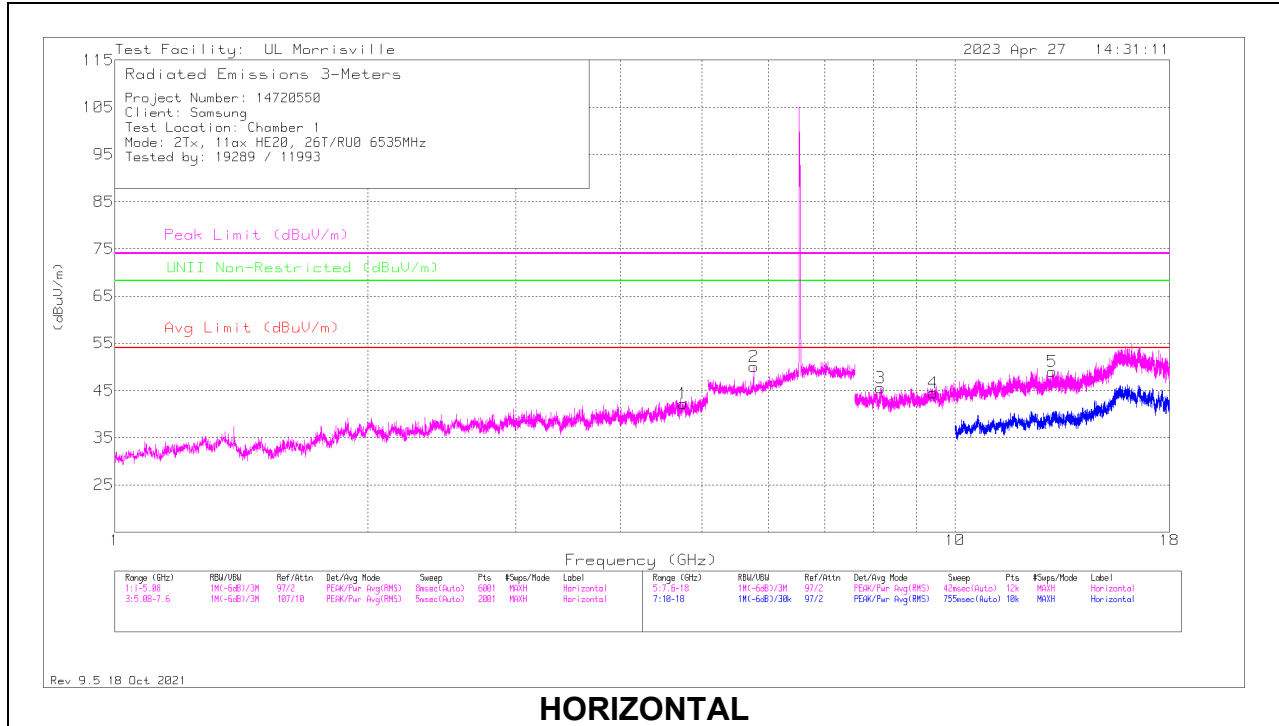
Pk - Peak detector

### 10.1.8. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE UNII-7 BAND

#### 2TX CHAIN 0 + CHAIN 1 OFDMA MODE: 26T

#### HARMONICS AND SPURIOUS EMISSIONS

##### LOW



RADIATED EMISSIONS

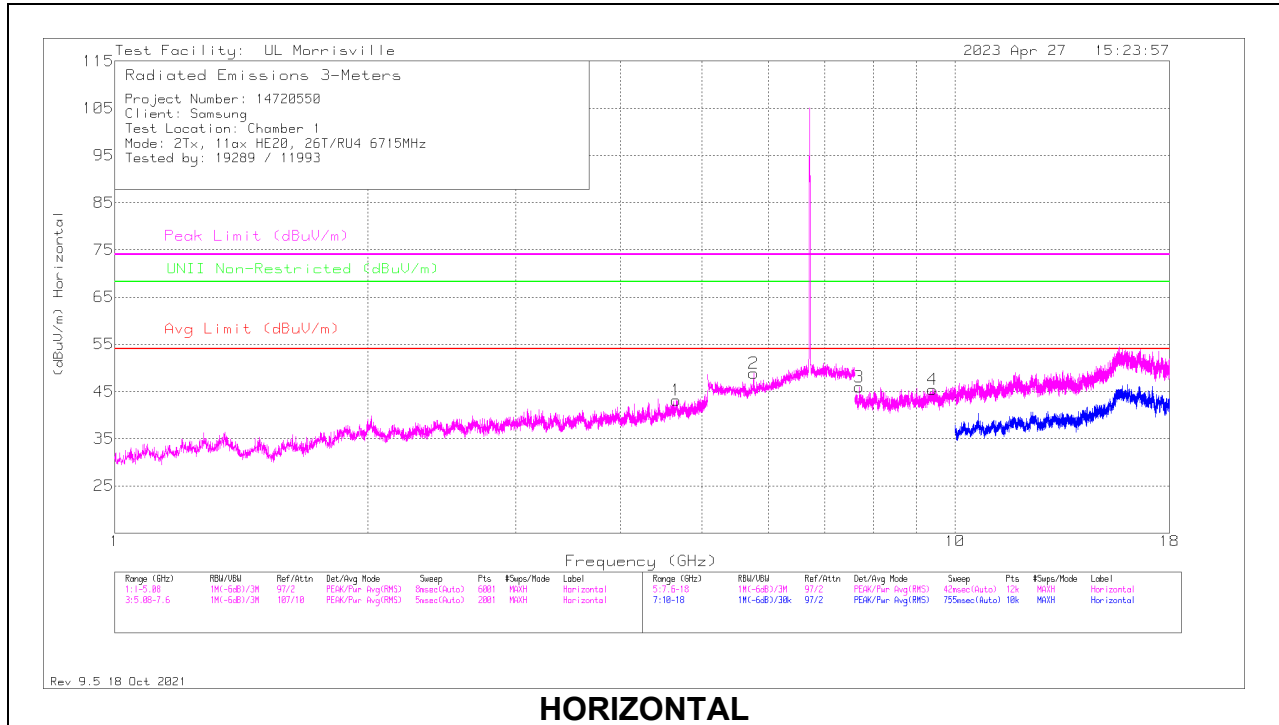
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 89509 (dB/m) | Gain/Loss (dB) | Filter (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | UNII Non-Restricted (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|--------------|----------------|-------------|----------------------------|--------------------|-------------|---------------------|-------------|------------------------------|-------------|----------------|-------------|----------|
| 1      | *** 4.74748     | 39.17                | Pk  | 34           | -31            | 0           | 42.17                      | 54                 | -11.83      | 74                  | -31.83      | -                            | -           | 0-360          | 101         | H        |
| 6      | *** 4.76176     | 39                   | Pk  | 34           | -30.6          | 0           | 42.4                       | 54                 | -11.6       | 74                  | -31.6       | -                            | -           | 0-360          | 200         | V        |
| 3      | *** 8.15813     | 38.59                | Pk  | 35.8         | -29.7          | .9          | 45.59                      | 54                 | -8.41       | 74                  | -28.41      | -                            | -           | 0-360          | 200         | H        |
| 8      | *** 8.1668      | 38.04                | Pk  | 35.8         | -29.7          | .9          | 45.04                      | 54                 | -8.96       | 74                  | -28.96      | -                            | -           | 0-360          | 101         | V        |
| 9      | *** 9.39487     | 38.62                | Pk  | 36.6         | -29.8          | .5          | 45.92                      | 54                 | -8.08       | 74                  | -28.08      | -                            | -           | 0-360          | 101         | V        |
| 4      | *** 9.42433     | 37.01                | Pk  | 36.6         | -29.5          | .4          | 44.51                      | 54                 | -9.49       | 74                  | -29.49      | -                            | -           | 0-360          | 101         | H        |
| 10     | 13.0522         | 43.15                | Pk  | 39.1         | -28.6          | .4          | 54.05                      | -                  | -           | -                   | -           | 68.2                         | -14.15      | 0-360          | 101         | V        |
| 5      | 13.05264        | 38.05                | Pk  | 39.1         | -28.6          | .4          | 48.95                      | -                  | -           | -                   | -           | 68.2                         | -19.25      | 0-360          | 200         | H        |
| 7      | 5.75914         | 37.4                 | Pk  | 34.7         | -22            | 0           | 50.1                       | -                  | -           | -                   | -           | 68.2                         | -18.1       | 0-360          | 200         | V        |
| 2      | 5.7604          | 37.3                 | Pk  | 34.7         | -22            | 0           | 50                         | -                  | -           | -                   | -           | 68.2                         | -18.2       | 0-360          | 101         | H        |

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

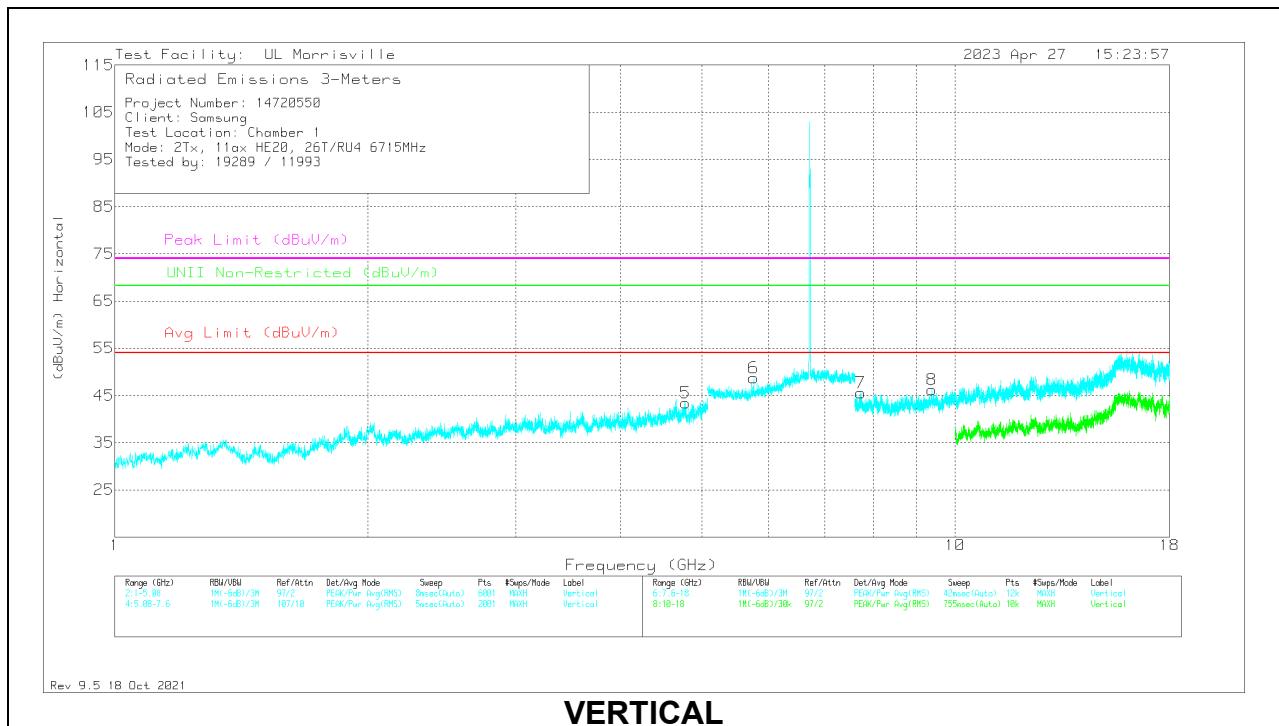
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**MID**



**HORIZONTAL**



**VERTICAL**

RADIATED EMISSIONS

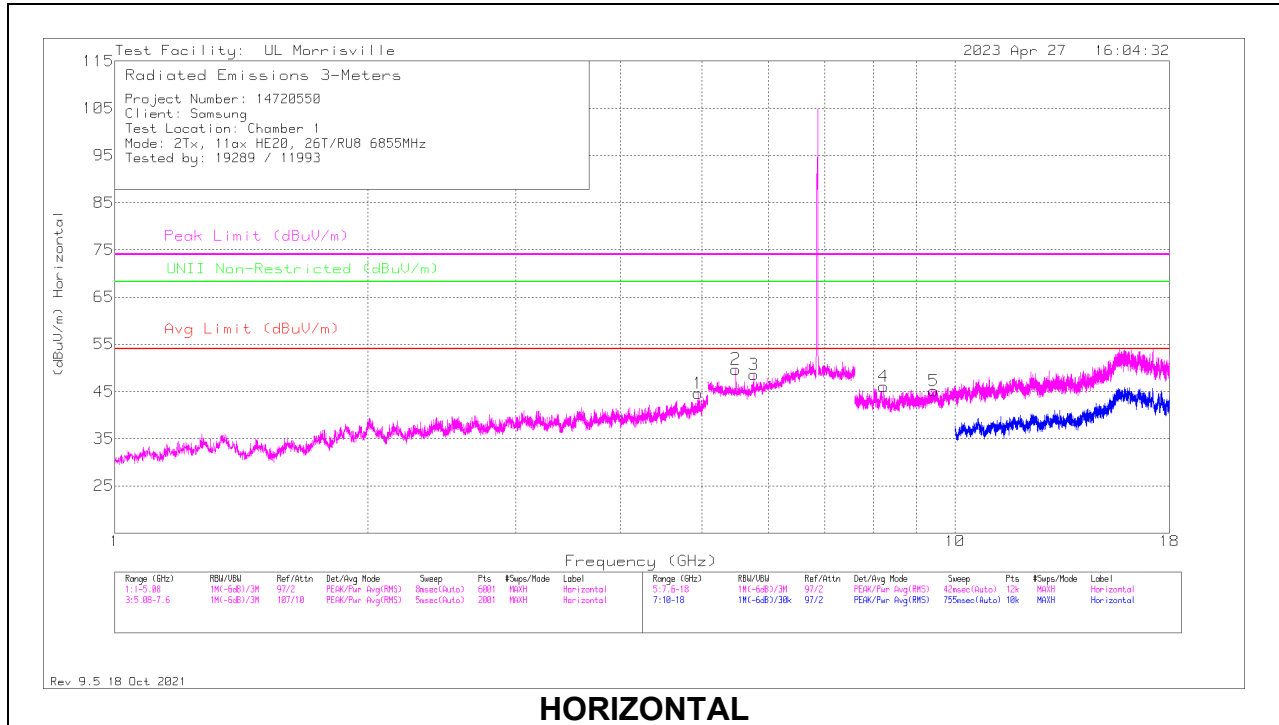
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 89509 (dB/m) | Gain/Loss (dB) | Filter (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | UNII Non-Restricted (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|--------------|----------------|-------------|----------------------------|--------------------|-------------|---------------------|-------------|------------------------------|-------------|----------------|-------------|----------|
| 1      | *** 4.65976     | 39.09                | Pk  | 34.1         | -30.1          | 0           | 43.09                      | 54                 | -10.91      | 74                  | -30.91      | -                            | -           | 0-360          | 101         | H        |
| 5      | *** 4.7808      | 39.77                | Pk  | 34.1         | -30.5          | 0           | 43.37                      | 54                 | -10.63      | 74                  | -30.63      | -                            | -           | 0-360          | 200         | V        |
| 3      | *** 7.69447     | 39.09                | Pk  | 35.7         | -30.1          | 1.2         | 45.89                      | 54                 | -8.11       | 74                  | -28.11      | -                            | -           | 0-360          | 101         | H        |
| 7      | *** 7.7248      | 39.12                | Pk  | 35.7         | -30.4          | 1.1         | 45.52                      | 54                 | -8.48       | 74                  | -28.48      | -                            | -           | 0-360          | 200         | V        |
| 8      | *** 9.381       | 38.65                | Pk  | 36.6         | -29.6          | .5          | 46.15                      | 54                 | -7.85       | 74                  | -27.85      | -                            | -           | 0-360          | 200         | V        |
| 4      | *** 9.41133     | 37.99                | Pk  | 36.6         | -29.6          | .4          | 45.39                      | 54                 | -8.61       | 74                  | -28.61      | -                            | -           | 0-360          | 101         | H        |
| 2      | 5.75914         | 36.13                | Pk  | 34.7         | -22            | 0           | 48.83                      | -                  | -           | -                   | -           | 68.2                         | -19.37      | 0-360          | 101         | H        |
| 6      | 5.75914         | 36.02                | Pk  | 34.7         | -22            | 0           | 48.72                      | -                  | -           | -                   | -           | 68.2                         | -19.48      | 0-360          | 200         | V        |

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

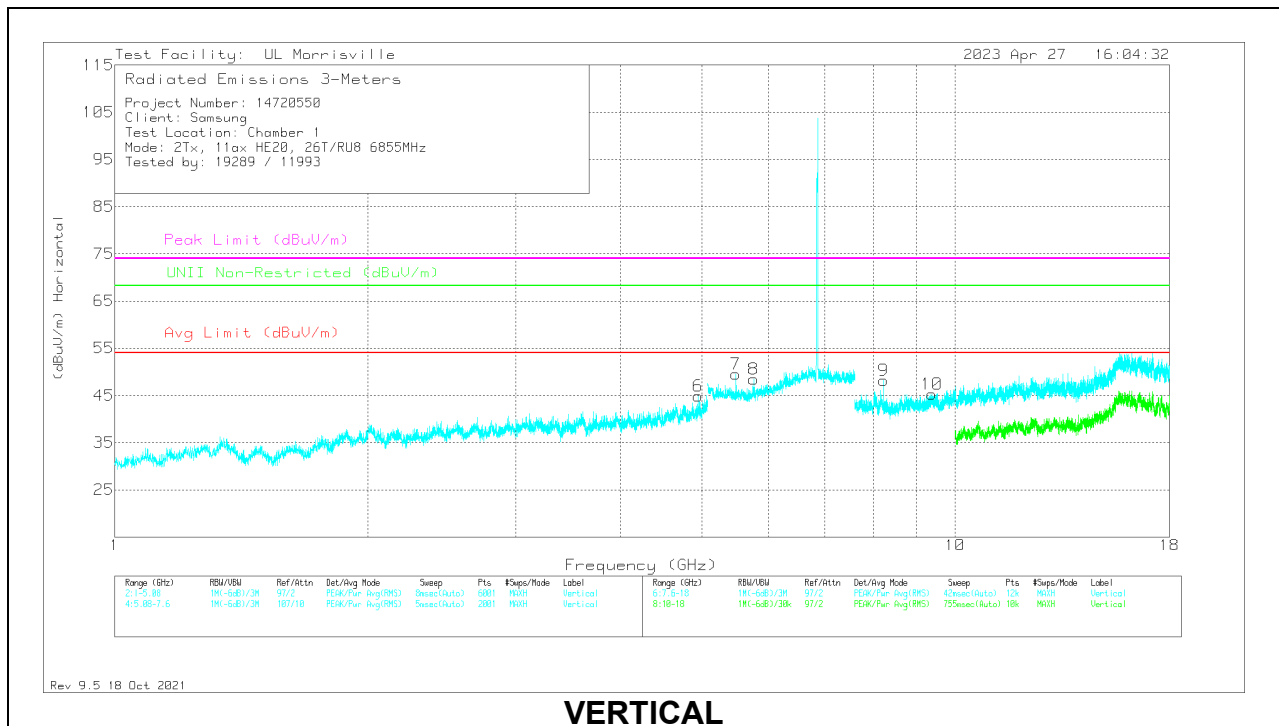
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**HIGH**



**HORIZONTAL**



**VERTICAL**

RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | 89509 (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      | * ** 4.94332    | 41.06                | Pk   | 34           | -30.5          | 0           | 44.56                      | 54                 | -9.44       | 74                  | -29.44      | -                            | -           | 0-360          | 199         | H        |
| 6      | * ** 4.94332    | 41.37                | Pk   | 34           | -30.5          | 0           | 44.87                      | 54                 | -9.13       | 74                  | -29.13      | -                            | -           | 0-360          | 101         | V        |
| 4      | * ** 8.22573    | 40.03                | Pk   | 35.8         | -30.4          | .6          | 46.03                      | 54                 | -7.97       | 74                  | -27.97      | -                            | -           | 0-360          | 101         | H        |
| 9      | * ** 8.22596    | 44.64                | PK-U | 35.8         | -30.4          | .6          | 50.64                      | -                  | -           | 74                  | -23.36      | -                            | -           | 246            | 107         | V        |
|        | * ** 8.22598    | 40.15                | ADR  | 35.8         | -30.4          | .6          | 46.15                      | 54                 | -7.85       | -                   | -           | -                            | -           | 246            | 107         | V        |
| 10     | * ** 9.38013    | 37.85                | Pk   | 36.6         | -29.6          | .4          | 45.25                      | 54                 | -8.75       | 74                  | -28.75      | -                            | -           | 0-360          | 101         | V        |
| 5      | * ** 9.4356     | 37.24                | Pk   | 36.6         | -29            | .3          | 45.14                      | 54                 | -8.86       | 74                  | -28.86      | -                            | -           | 0-360          | 200         | H        |
| 2      | 5.4832          | 37.62                | Pk   | 34.5         | -22.4          | 0           | 49.72                      | -                  | -           | -                   | -           | 68.2                         | -18.48      | 0-360          | 200         | H        |
| 7      | 5.4832          | 37.39                | Pk   | 34.5         | -22.4          | 0           | 49.49                      | -                  | -           | -                   | -           | 68.2                         | -18.71      | 0-360          | 200         | V        |
| 8      | 5.75914         | 35.75                | Pk   | 34.7         | -22            | 0           | 48.45                      | -                  | -           | -                   | -           | 68.2                         | -19.75      | 0-360          | 200         | V        |
| 3      | 5.7604          | 35.95                | Pk   | 34.7         | -22            | 0           | 48.65                      | -                  | -           | -                   | -           | 68.2                         | -19.55      | 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

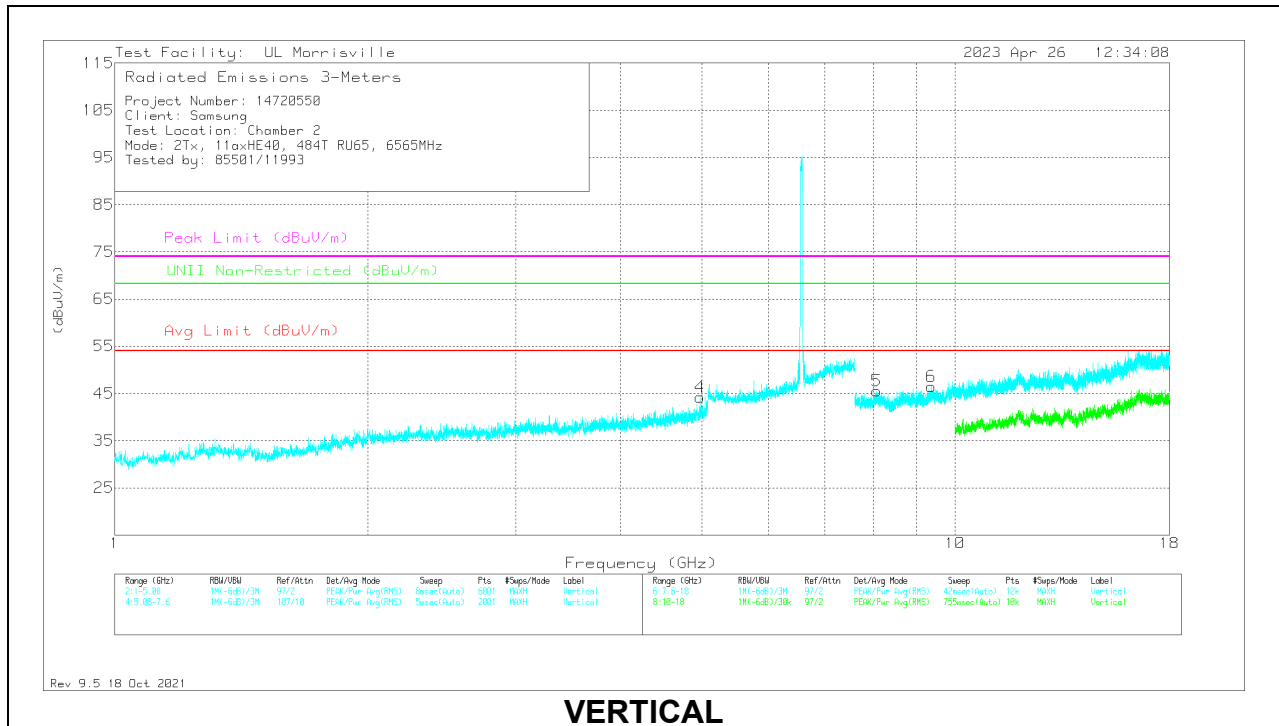
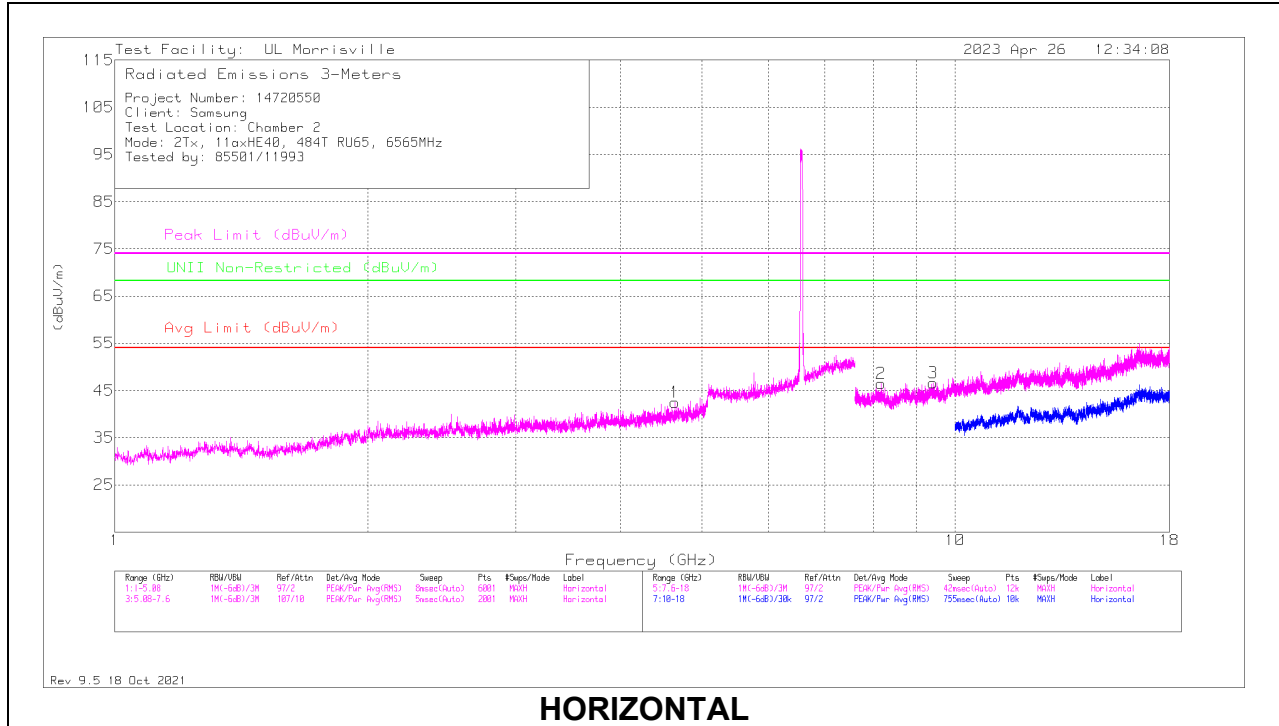


### 10.1.9. TX ABOVE 1 GHz 802.11ax HE40 MODE IN THE UNII-7 BAND

#### 2TX CHAIN 0 + CHAIN 1 OFDMA MODE: 484T

#### HARMONICS AND SPURIOUS EMISSIONS

**LOW**



RADIATED EMISSIONS

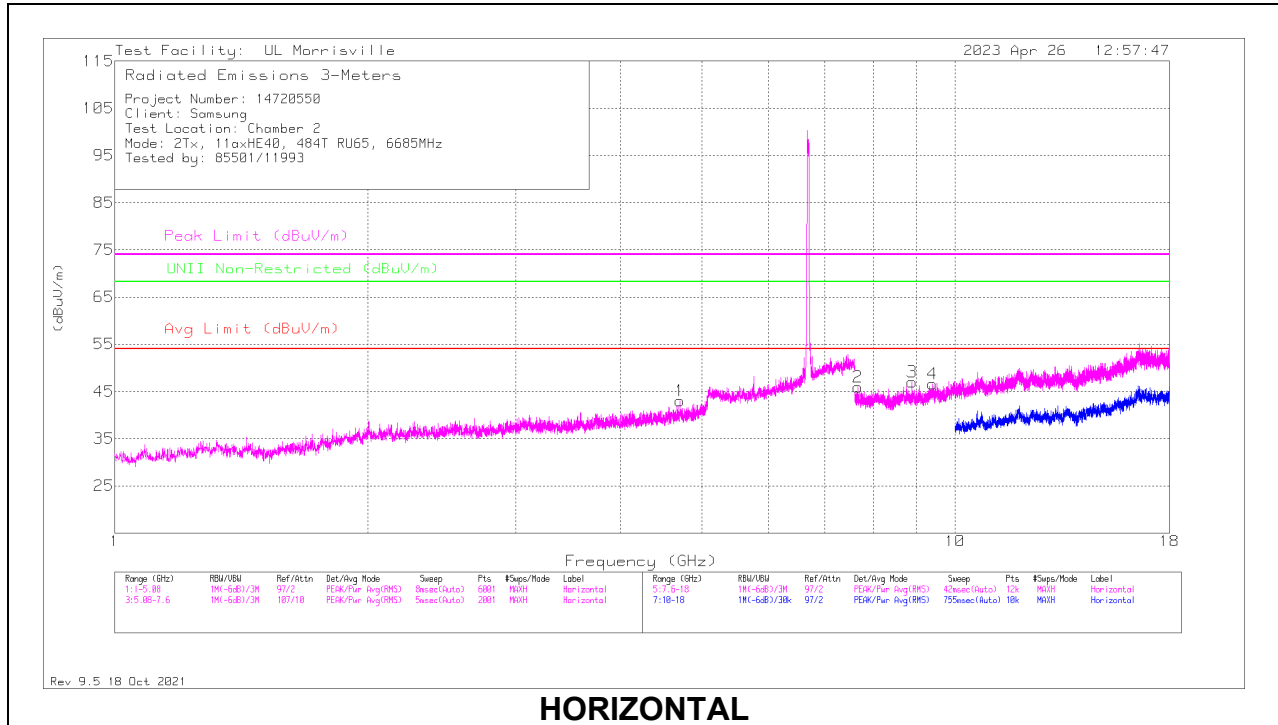
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 88761 (dB/m) | Gain/Loss (dB) | Filter (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|--------------|----------------|-------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * ** 4.63868    | 39.04                | Pk  | 34.1         | -30.7          | 0           | 42.44                      | 54                 | -11.56      | 74                  | -31.56         | -                            | -              | 0-360          | 101         | H        |
| 4      | * ** 4.97596    | 39.45                | Pk  | 34           | -29.2          | 0           | 44.25                      | 54                 | -9.75       | 74                  | -29.75         | -                            | -              | 0-360          | 101         | V        |
| 5      | * ** 8.0732     | 36.09                | Pk  | 35.8         | -27.2          | .8          | 45.49                      | 54                 | -8.51       | 74                  | -28.51         | -                            | -              | 0-360          | 101         | V        |
| 2      | * ** 8.1642     | 36.77                | Pk  | 35.8         | -27            | .9          | 46.47                      | 54                 | -7.53       | 74                  | -27.53         | -                            | -              | 0-360          | 101         | H        |
| 6      | * ** 9.37667    | 35.61                | Pk  | 36.6         | -26.1          | .4          | 46.51                      | 54                 | -7.49       | 74                  | -27.49         | -                            | -              | 0-360          | 101         | V        |
| 3      | * ** 9.4174     | 35.85                | Pk  | 36.6         | -26.3          | .4          | 46.55                      | 54                 | -7.45       | 74                  | -27.45         | -                            | -              | 0-360          | 200         | H        |

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

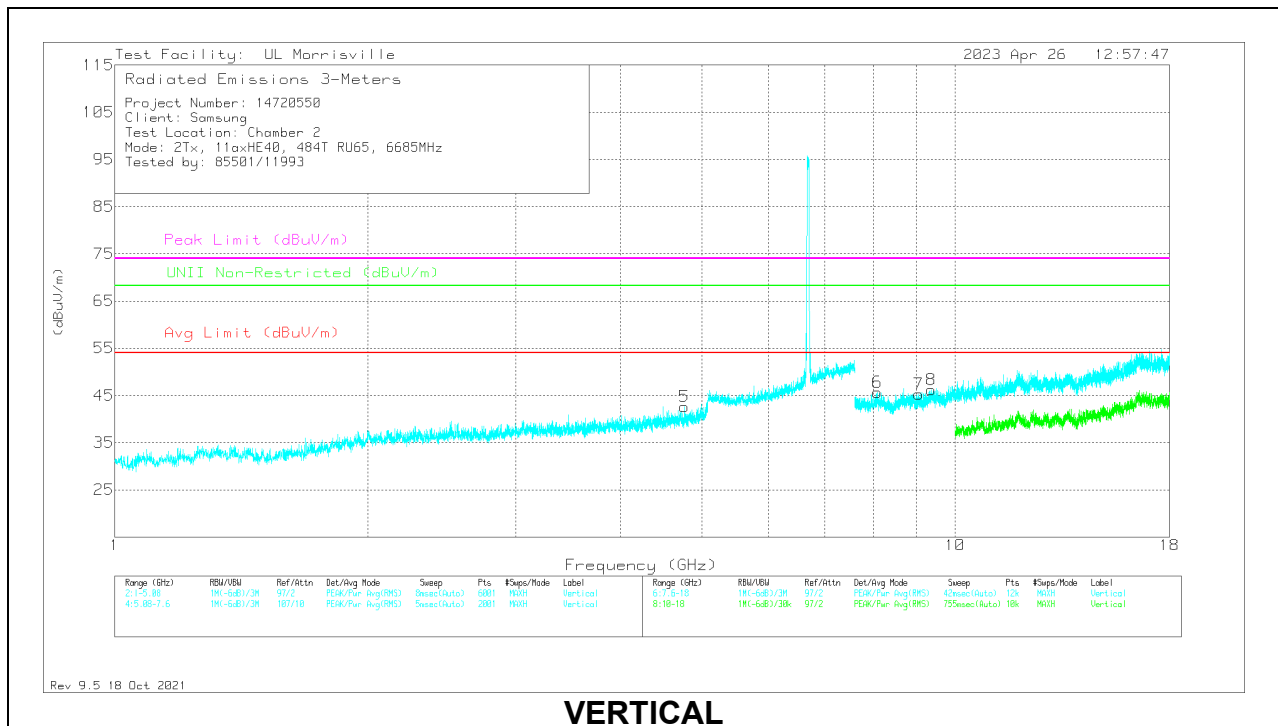
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**MID**



**HORIZONTAL**



**VERTICAL**

RADIATED EMISSIONS

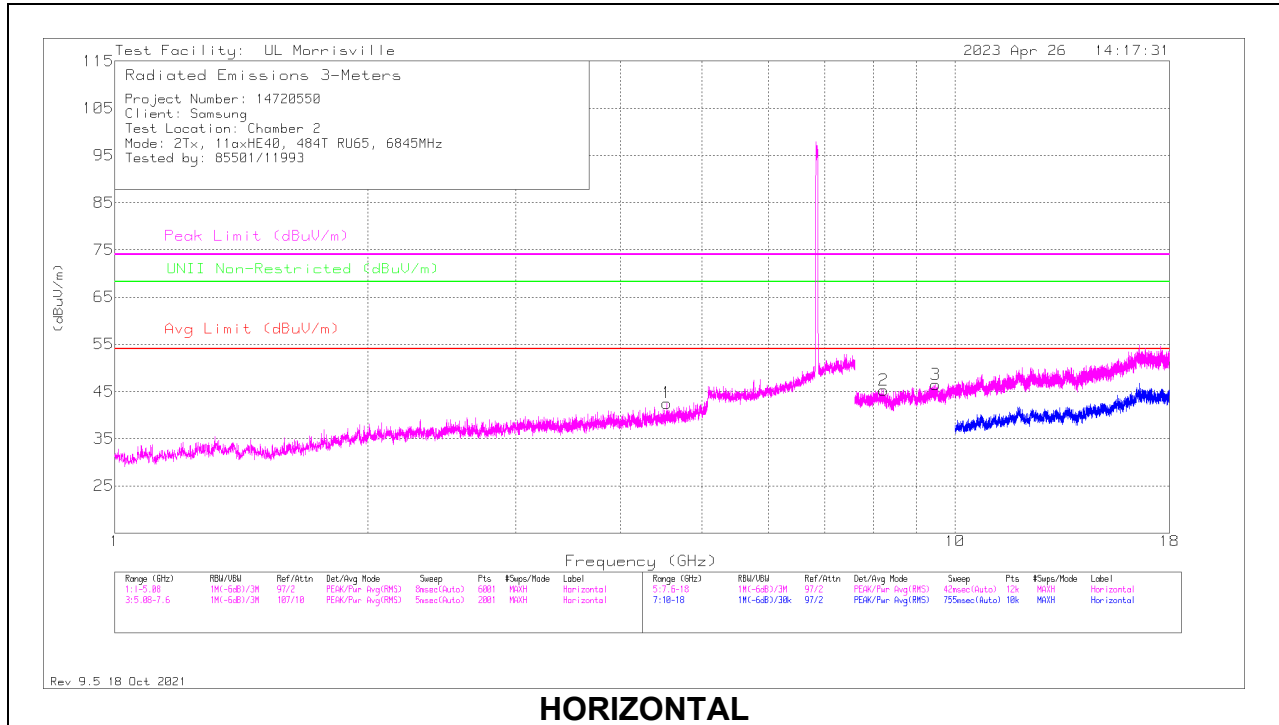
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 88761 (dB/m) | Gain/Loss (dB) | Filter (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|--------------|----------------|-------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * ** 4.70532    | 39.27                | Pk  | 34           | -30.2          | 0           | 43.07                      | 54                 | -10.93      | 74                  | -30.93         | -                            | -              | 0-360          | 101         | H        |
| 5      | * ** 4.76584    | 39.72                | Pk  | 33.9         | -31            | 0           | 42.62                      | 54                 | -11.38      | 74                  | -31.38         | -                            | -              | 0-360          | 199         | V        |
| 2      | * ** 7.66067    | 36.58                | Pk  | 35.6         | -27.6          | 1.3         | 45.88                      | 54                 | -8.12       | 74                  | -28.12         | -                            | -              | 0-360          | 200         | H        |
| 6      | * ** 8.08967    | 36.34                | Pk  | 35.8         | -27.2          | .7          | 45.64                      | 54                 | -8.36       | 74                  | -28.36         | -                            | -              | 0-360          | 200         | V        |
| 7      | * ** 9.056      | 34.99                | Pk  | 36.1         | -26.2          | .4          | 45.29                      | 54                 | -8.71       | 74                  | -28.71         | -                            | -              | 0-360          | 200         | V        |
| 8      | * ** 9.3784     | 35.47                | Pk  | 36.6         | -26.3          | .4          | 46.17                      | 54                 | -7.83       | 74                  | -27.83         | -                            | -              | 0-360          | 200         | V        |
| 4      | * ** 9.40007    | 35.55                | Pk  | 36.6         | -26            | .4          | 46.55                      | 54                 | -7.45       | 74                  | -27.45         | -                            | -              | 0-360          | 200         | H        |
| 3      | 8.89307         | 37.04                | Pk  | 36.1         | -26.9          | .7          | 46.94                      | -                  | -           | -                   | -              | 68.2                         | -21.26         | 0-360          | 101         | H        |

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

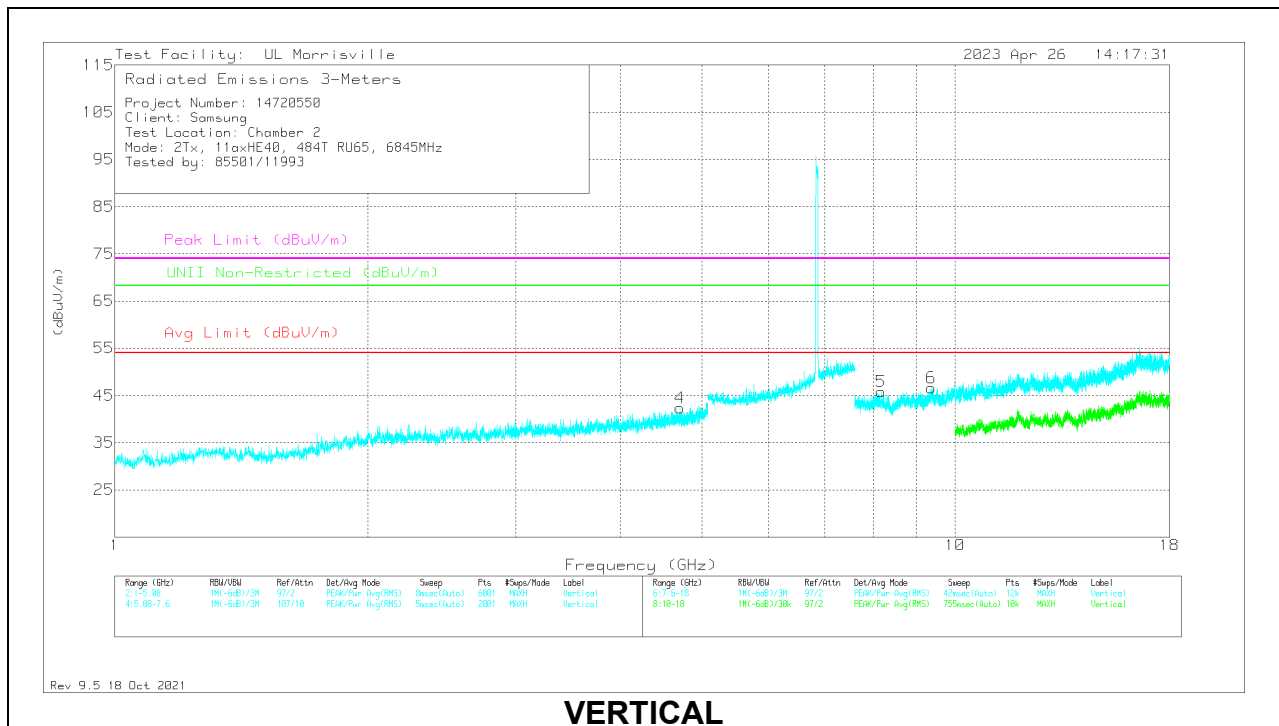
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**HIGH**



**HORIZONTAL**



**VERTICAL**

RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 88761 (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      | * ** 4.54144    | 39.95                | Pk  | 33.9         | -31.3          | 0           | 42.55                      | 54                 | -11.45      | 74                  | -31.45         | -                            | -              | 0-360          | 200         | H        |
| 4      | * ** 4.70532    | 38.57                | Pk  | 34           | -30.2          | 0           | 42.37                      | 54                 | -11.63      | 74                  | -31.63         | -                            | -              | 0-360          | 200         | V        |
| 5      | * ** 8.16853    | 36.09                | Pk  | 35.8         | -27            | .9          | 45.79                      | 54                 | -8.21       | 74                  | -28.21         | -                            | -              | 0-360          | 101         | V        |
| 2      | * ** 8.22313    | 35.55                | Pk  | 35.7         | -26.6          | .6          | 45.25                      | 54                 | -8.75       | 74                  | -28.75         | -                            | -              | 0-360          | 200         | H        |
| 6      | * ** 9.36713    | 35.41                | Pk  | 36.6         | -25.8          | .4          | 46.61                      | 54                 | -7.39       | 74                  | -27.39         | -                            | -              | 0-360          | 200         | V        |
| 3      | * ** 9.49107    | 34.97                | Pk  | 36.7         | -25.6          | .4          | 46.47                      | 54                 | -7.53       | 74                  | -27.53         | -                            | -              | 0-360          | 200         | H        |

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

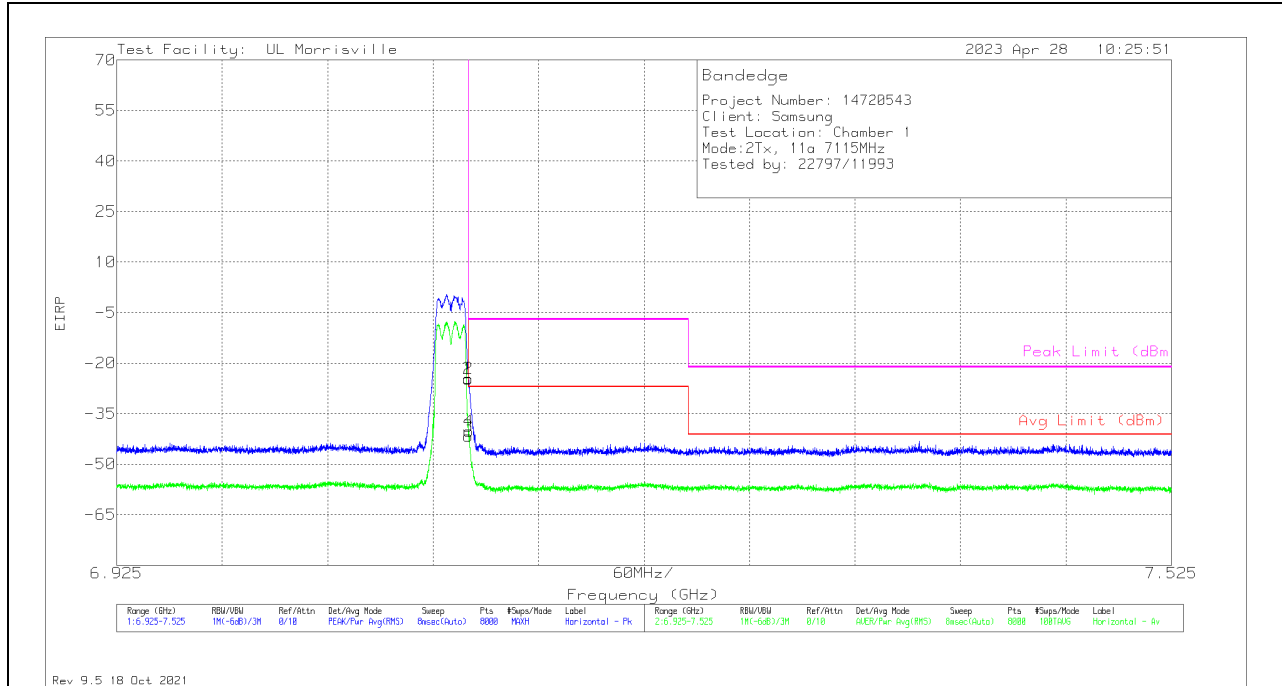
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

### 10.1.10. TX ABOVE 1 GHz 802.11a MODE IN THE UNII-8 BAND

#### BANDEDGE (HIGH CHANNEL)

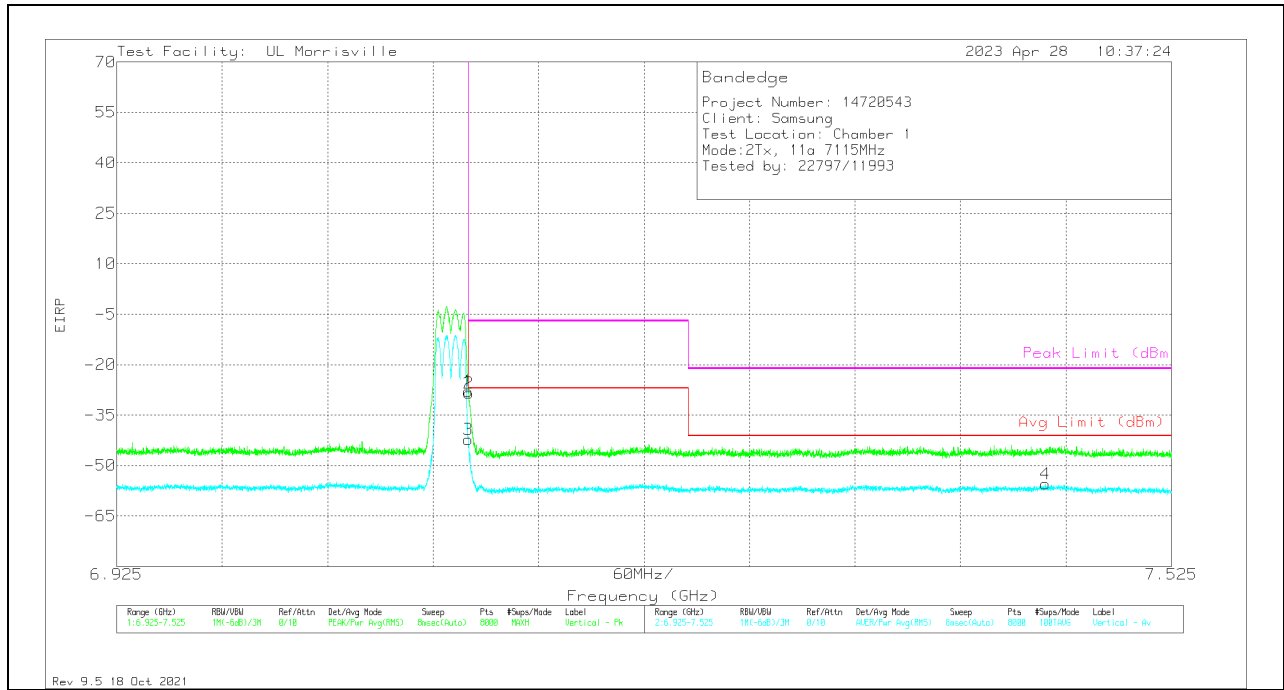
#### HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 89509 (dB/m) | Gain/Loss (dB) | Conversion Factor (dB) | DC Corr (dB) | Corrected Reading EIRP | Avg Limit (dBm) | Margin (dB) | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|--------------|----------------|------------------------|--------------|------------------------|-----------------|-------------|------------------|----------------|----------------|-------------|----------|
| 1      | 7.12505         | -51.96              | Pk  | 35.7         | -20.3          | 11.8                   | 0            | -24.76                 | -               | -           | -7               | -17.76         | 218            | 117         | H        |
| 3      | 7.12505         | -68.94              | RMS | 35.7         | -20.3          | 11.8                   | 0.19         | -41.55                 | -27             | -14.55      | -                | -              | 218            | 117         | H        |
| 2      | 7.12512         | -51.69              | Pk  | 35.7         | -20.3          | 11.8                   | 0            | -24.49                 | -               | -           | -7               | -17.49         | 218            | 117         | H        |
| 4      | 7.12527         | -67.4               | RMS | 35.7         | -20.3          | 11.8                   | 0.19         | -40.01                 | -27             | -13.01      | -                | -              | 218            | 117         | H        |

Pk - Peak detector  
 RMS - RMS detection

**VERTICAL RESULT**



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 89509 (dB/m) | Gain/Loss (dB) | Conversion Factor (dB) | DC Corr (dB) | Corrected Reading EIRP | Avg Limit (dBm) | Margin (dB) | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|--------------|----------------|------------------------|--------------|------------------------|-----------------|-------------|------------------|----------------|----------------|-------------|----------|
| 4      | ** 7.45336      | -82.91              | RMS | 35.6         | -20            | 11.8                   | 0.19         | -55.32                 | -41.2           | -14.12      | -                | -              | 55             | 365         | V        |
| 1      | 7.12505         | -55.09              | Pk  | 35.7         | -20.3          | 11.8                   | 0            | -27.89                 |                 |             | -7               | -20.89         | 55             | 365         | V        |
| 3      | 7.12505         | -69.45              | RMS | 35.7         | -20.3          | 11.8                   | 0.19         | -42.06                 | -27             | -15.06      | -                | -              | 55             | 365         | V        |
| 2      | 7.1252          | -55.65              | Pk  | 35.7         | -20.3          | 11.8                   | 0            | -28.45                 |                 |             | -7               | -21.45         | 55             | 365         | V        |

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

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

Pk - Peak detector

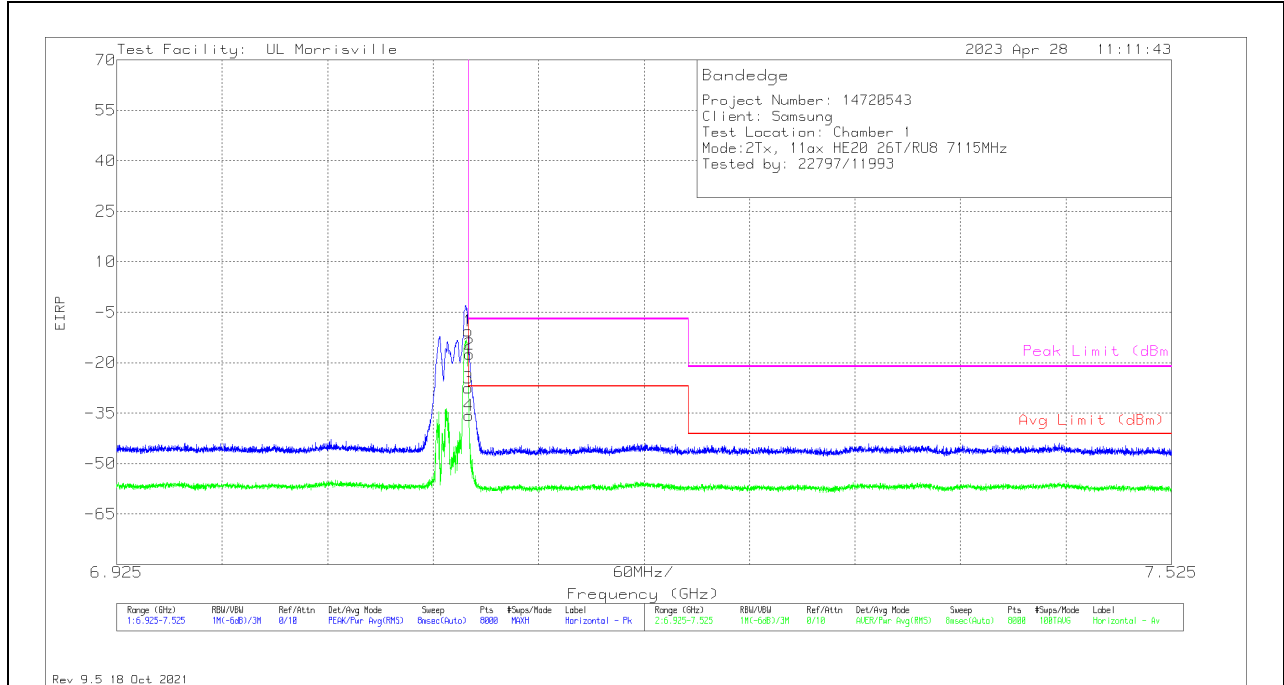
RMS - RMS detection



**10.1.11. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE UNII-8 BAND  
 2TX CHAIN 0 + CHAIN 1 OFDMA MODE: 26T**

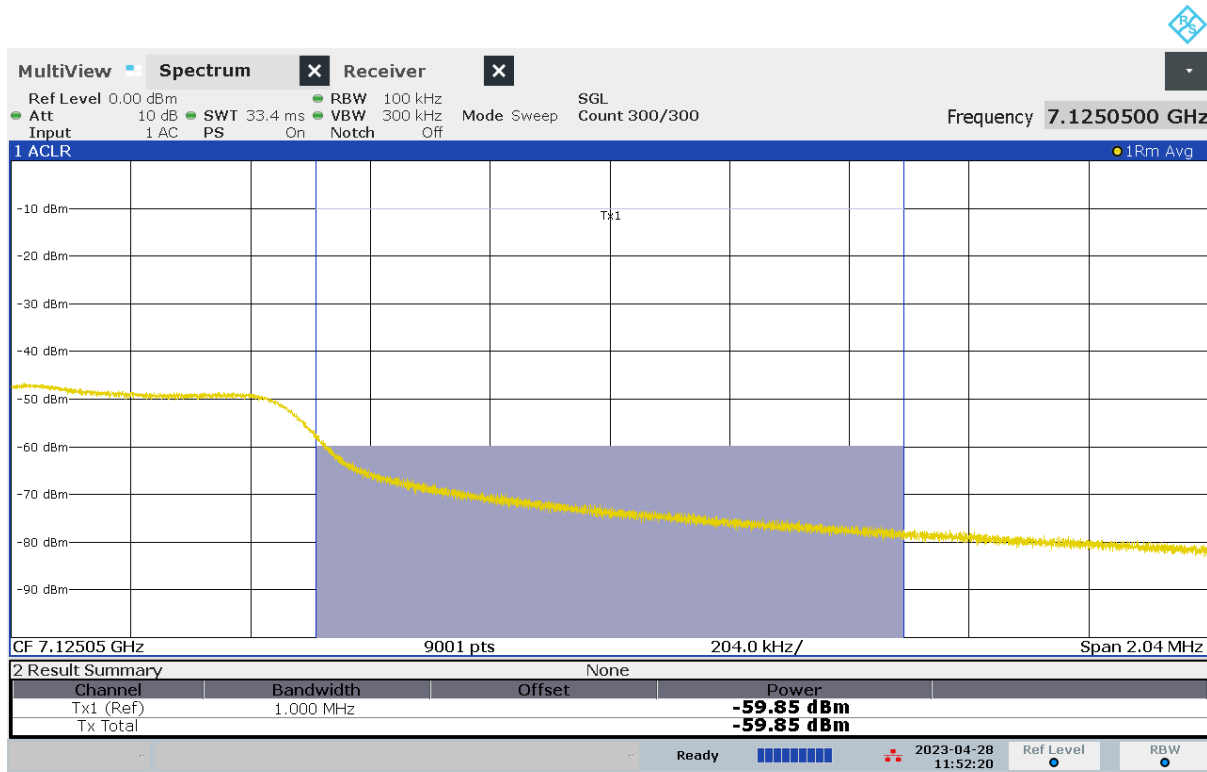
**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



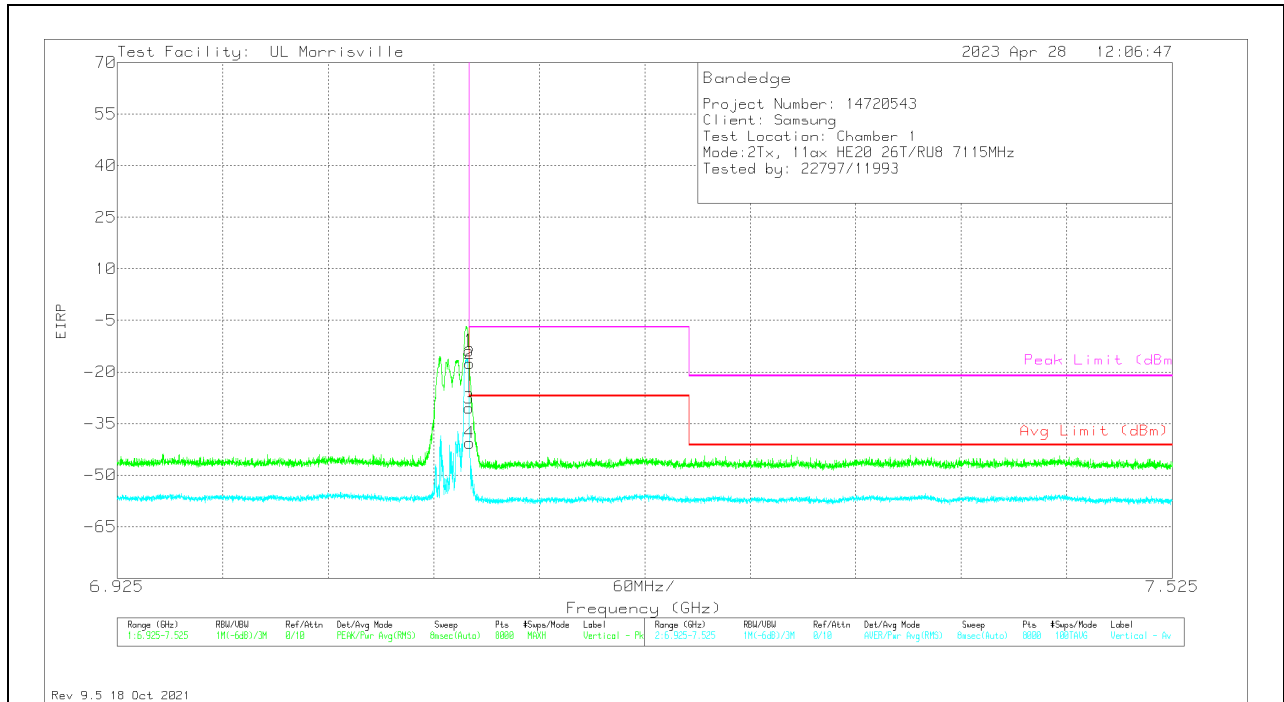
| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 89509 (dB/m) | Gain/Loss (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Avg Limit (dBm) | RMS Margin (dB) | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|--------------|----------------|------------------------|------------------------|-----------------|-----------------|------------------|----------------|----------------|-------------|----------|
| 1      | 7.12505         | -37.8               | Pk  | 35.7         | -20.3          | 11.8                   | -10.6                  | -               | -               | -7               | -3.6           | 78             | 147         | H        |
| 3      | 7.12505         | <b>-59.85</b>       | RMS | 35.7         | -20.3          | 11.8                   | -32.65                 | -27             | <b>-5.65</b>    | -                | -              | 78             | 147         | H        |
| 4      | 7.12542         | -62.99              | RMS | 35.7         | -20.3          | 11.8                   | -35.79                 | -27             | -8.79           | -                | -              | 78             | 147         | H        |
| 2      | 7.12557         | -44.63              | Pk  | 35.7         | -20.3          | 11.8                   | -17.43                 | -               | -               | -7               | -10.43         | 78             | 147         | H        |

Pk - Peak detector  
 RMS - RMS detection



11:52:21 AM 04/28/2023

**VERTICAL RESULT**

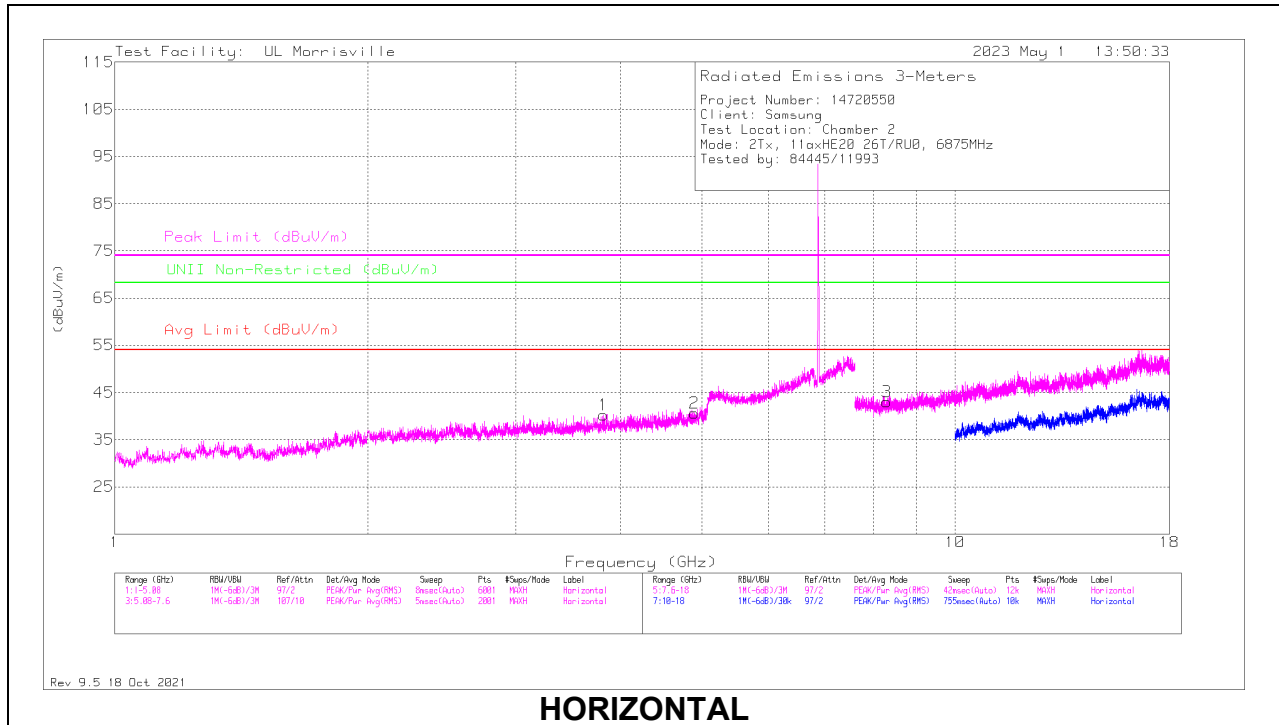


| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 89509 (dB/m) | Gain/Loss (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Avg Limit (dBm) | Margin (dB) | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|--------------|----------------|------------------------|------------------------|-----------------|-------------|------------------|----------------|----------------|-------------|----------|
| 1      | 7.12505         | -41.04              | Pk  | 35.7         | -20.3          | 11.8                   | -13.84                 | -               | -           | -7               | -6.84          | 100            | 121         | V        |
| 3      | 7.12505         | -57.75              | RMS | 35.7         | -20.3          | 11.8                   | -30.55                 | -27             | -3.55       | -                | -              | 100            | 121         | V        |
| 2      | 7.12535         | -44.73              | Pk  | 35.7         | -20.3          | 11.8                   | -17.53                 | -               | -           | -7               | -10.53         | 100            | 121         | V        |
| 4      | 7.12542         | -67.82              | RMS | 35.7         | -20.3          | 11.8                   | -40.62                 | -27             | -13.62      | -                | -              | 100            | 121         | V        |

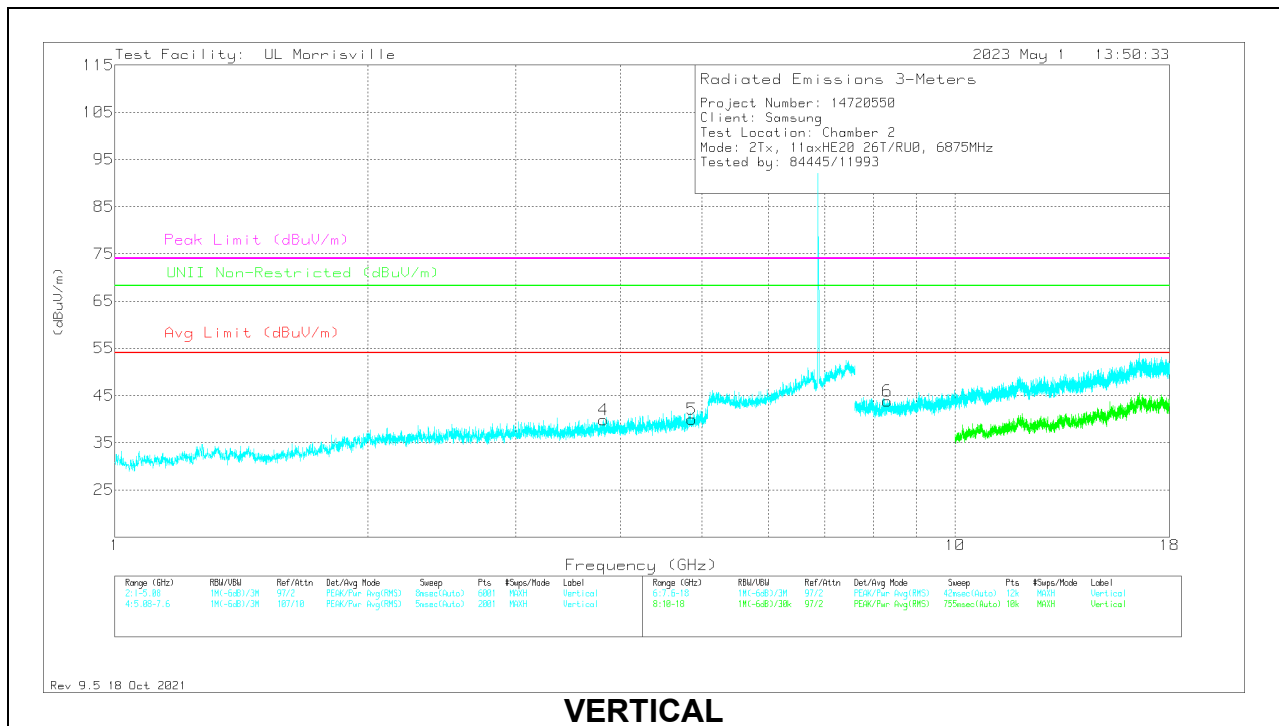
Pk - Peak detector  
 RMS - RMS detection

# HARMONICS AND SPURIOUS EMISSIONS

## LOW



## HORIZONTAL



## VERTICAL

RADIATED EMISSIONS

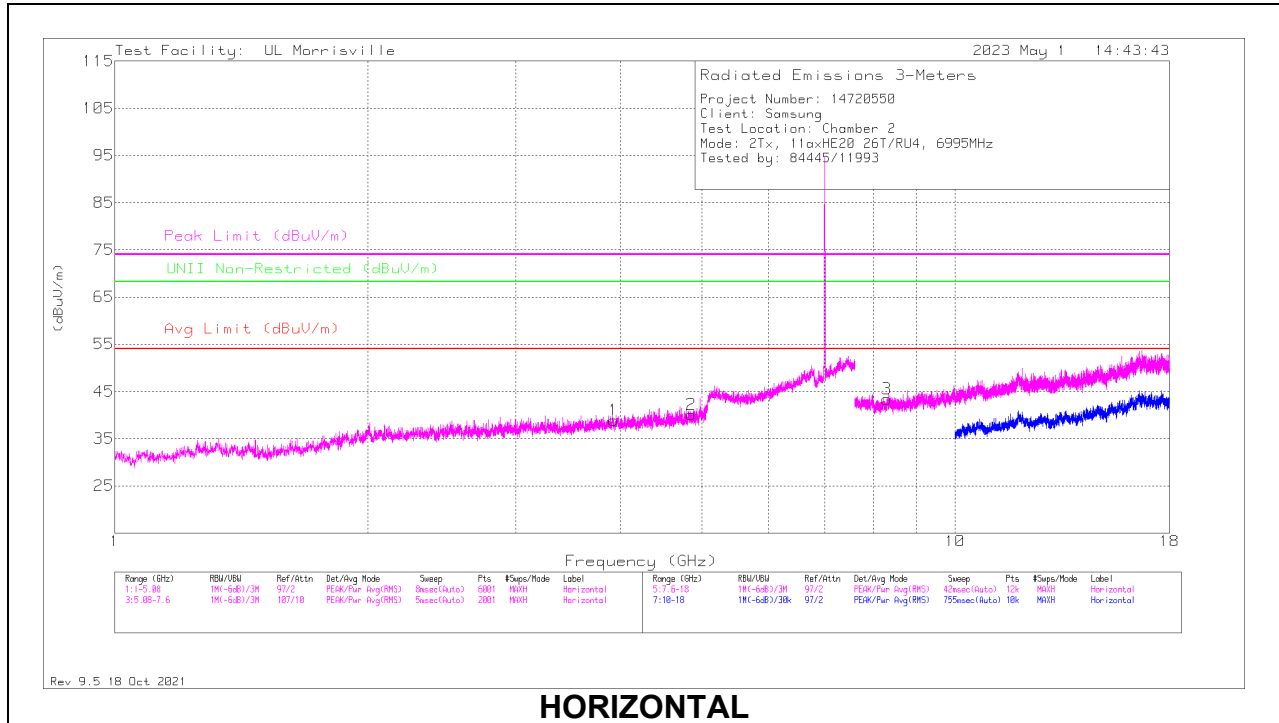
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 88761 (dB/m) | Gain/Loss (dB) | Filter (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|--------------|----------------|-------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * ** 3.81452    | 39.07                | Pk  | 33.3         | -32.2          | 0           | 40.17                      | 54                 | -13.83      | 74                  | -33.83         | -                            | -              | 0-360          | 200         | H        |
| 2      | * ** 4.89912    | 36.33                | Pk  | 34           | -29.7          | 0           | 40.63                      | 54                 | -13.37      | 74                  | -33.37         | -                            | -              | 0-360          | 101         | H        |
| 4      | * ** 3.81996    | 38.9                 | Pk  | 33.3         | -32.4          | 0           | 39.8                       | 54                 | -14.2       | 74                  | -34.2          | -                            | -              | 0-360          | 101         | V        |
| 5      | * ** 4.86648    | 36.51                | Pk  | 34.1         | -30.6          | 0           | 40.01                      | 54                 | -13.99      | 74                  | -33.99         | -                            | -              | 0-360          | 101         | V        |
| 3      | * ** 8.289      | 33.92                | Pk  | 35.7         | -27.3          | .7          | 43.02                      | 54                 | -10.98      | 74                  | -30.98         | -                            | -              | 0-360          | 101         | H        |
| 6      | * ** 8.31067    | 34.11                | Pk  | 35.7         | -26.7          | .7          | 43.81                      | 54                 | -10.19      | 74                  | -30.19         | -                            | -              | 0-360          | 101         | V        |

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

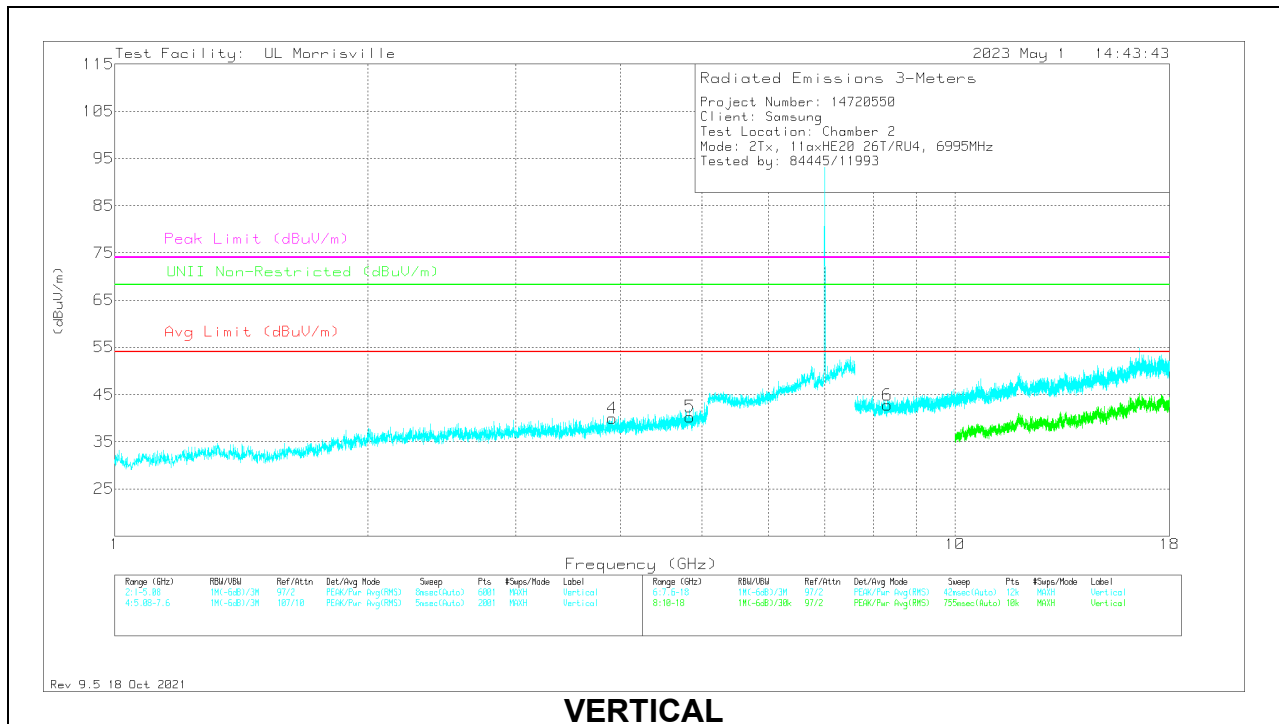
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**MID**



**HORIZONTAL**



**VERTICAL**

RADIATED EMISSIONS

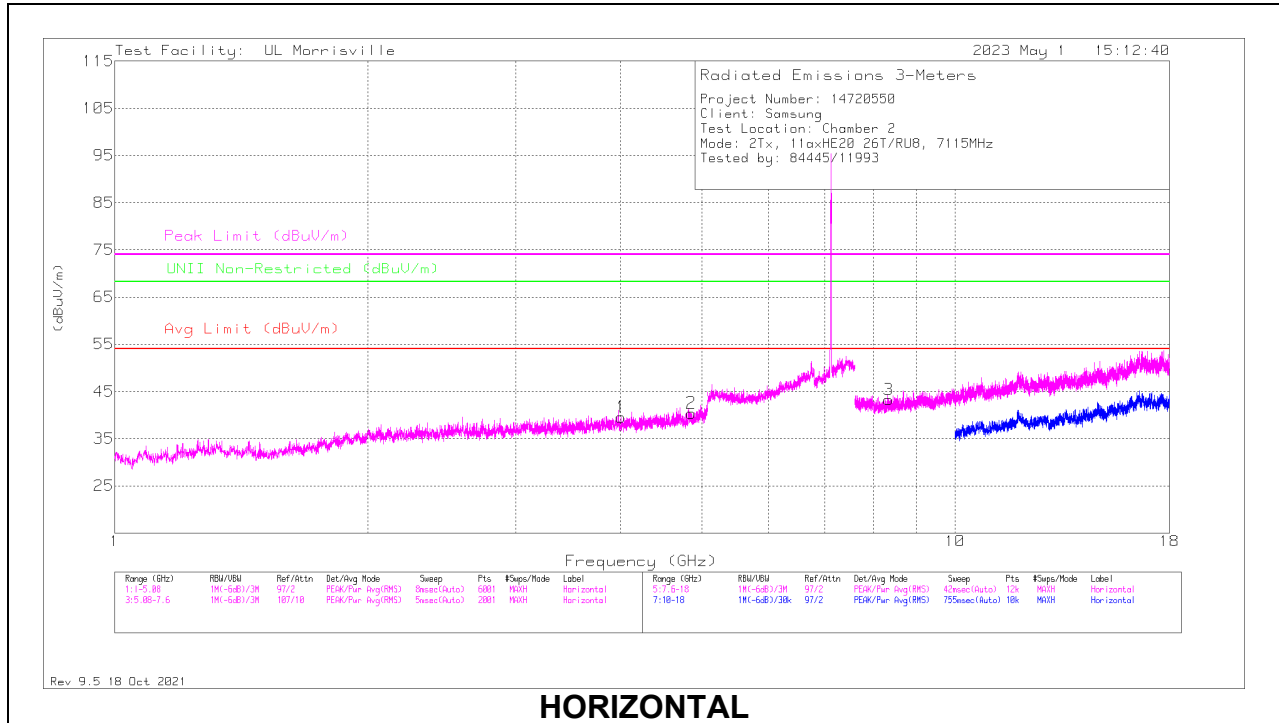
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 88761 (dB/m) | Gain/Loss (dB) | Filter (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|--------------|----------------|-------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * ** 3.92604    | 37.3                 | Pk  | 33.4         | -31.8          | 0           | 38.9                       | 54                 | -15.1       | 74                  | -35.1          | -                            | -              | 0-360          | 199         | H        |
| 2      | * ** 4.8556     | 36.26                | Pk  | 34.1         | -30.3          | 0           | 40.06                      | 54                 | -13.94      | 74                  | -33.94         | -                            | -              | 0-360          | 101         | H        |
| 4      | * ** 3.91176    | 38.36                | Pk  | 33.4         | -31.8          | 0           | 39.96                      | 54                 | -14.04      | 74                  | -34.04         | -                            | -              | 0-360          | 101         | V        |
| 5      | * ** 4.84132    | 36.49                | Pk  | 34.1         | -30.3          | 0           | 40.29                      | 54                 | -13.71      | 74                  | -33.71         | -                            | -              | 0-360          | 101         | V        |
| 3      | * ** 8.29073    | 34.25                | Pk  | 35.7         | -27.3          | .7          | 43.35                      | 54                 | -10.65      | 74                  | -30.65         | -                            | -              | 0-360          | 101         | H        |
| 6      | * ** 8.3046     | 33.33                | Pk  | 35.7         | -27            | .7          | 42.73                      | 54                 | -11.27      | 74                  | -31.27         | -                            | -              | 0-360          | 101         | V        |

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

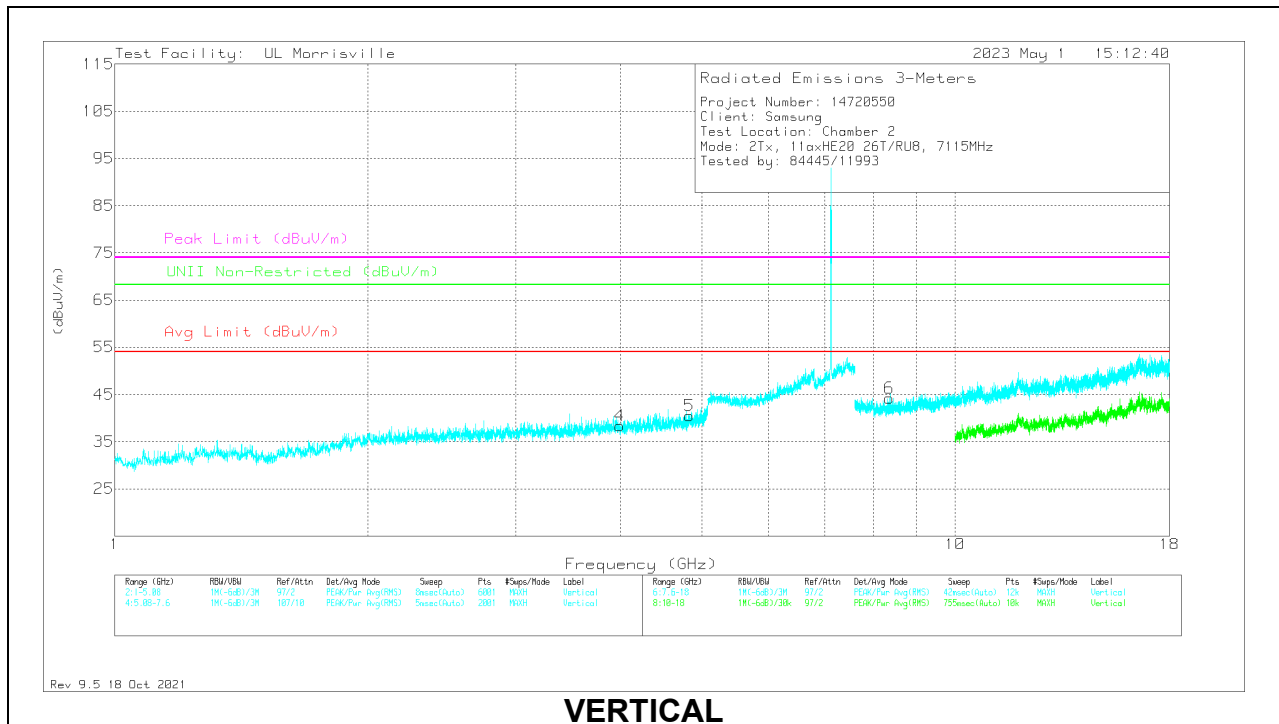
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**HIGH**



**HORIZONTAL**



**VERTICAL**



RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 88761 (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      | * ** 4.00424    | 37.83                | Pk  | 33.2         | -31.5          | 0           | 39.53                      | 54                 | -14.47      | 74                  | -34.47         | -                            | -              | 0-360          | 200         | H        |
| 2      | * ** 4.85696    | 36.62                | Pk  | 34.1         | -30.3          | 0           | 40.42                      | 54                 | -13.58      | 74                  | -33.58         | -                            | -              | 0-360          | 200         | H        |
| 4      | * ** 3.99336    | 36.78                | Pk  | 33.2         | -31.6          | 0           | 38.38                      | 54                 | -15.62      | 74                  | -35.62         | -                            | -              | 0-360          | 101         | V        |
| 5      | * ** 4.83112    | 36.78                | Pk  | 34.1         | -30.4          | 0           | 40.48                      | 54                 | -13.52      | 74                  | -33.52         | -                            | -              | 0-360          | 200         | V        |
| 3      | * ** 8.3436     | 33.94                | Pk  | 35.8         | -26.9          | .5          | 43.34                      | 54                 | -10.66      | 74                  | -30.66         | -                            | -              | 0-360          | 101         | H        |
| 6      | * ** 8.354      | 35                   | Pk  | 35.8         | -27.1          | .5          | 44.2                       | 54                 | -9.8        | 74                  | -29.8          | -                            | -              | 0-360          | 199         | V        |

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

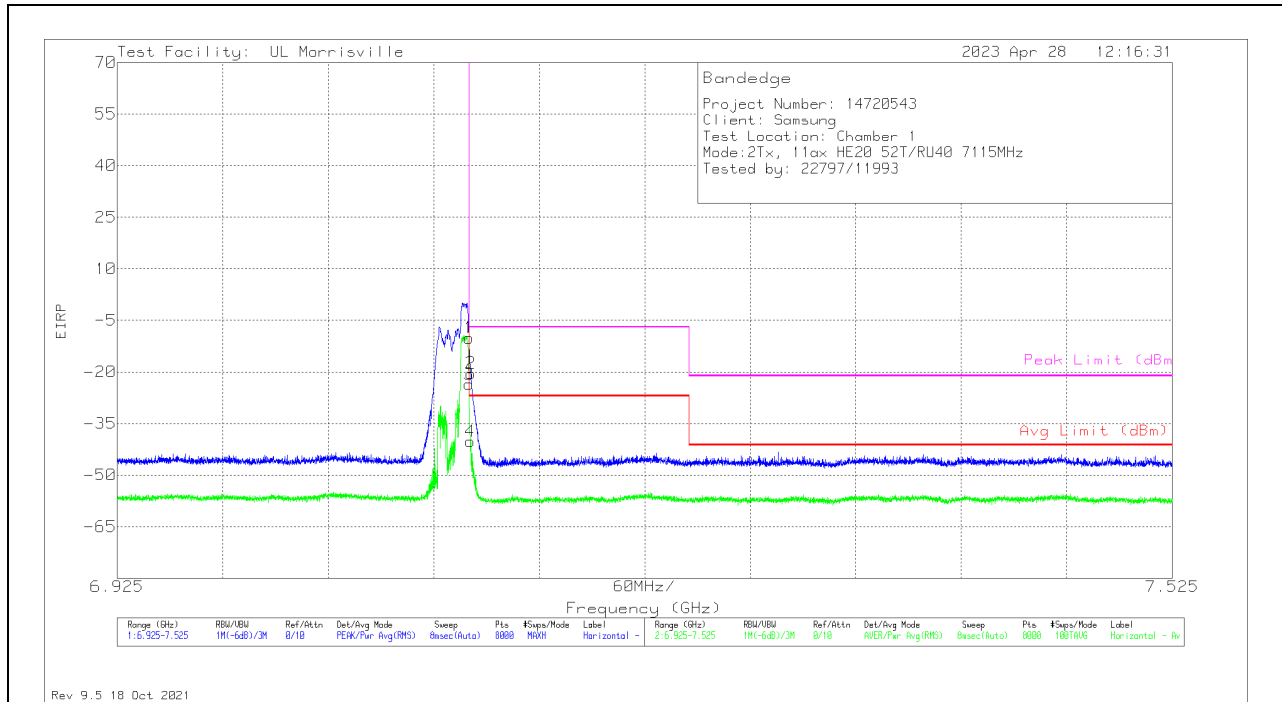
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**2TX CHAIN 0 + CHAIN 1 OFDMA MODE: 52T**

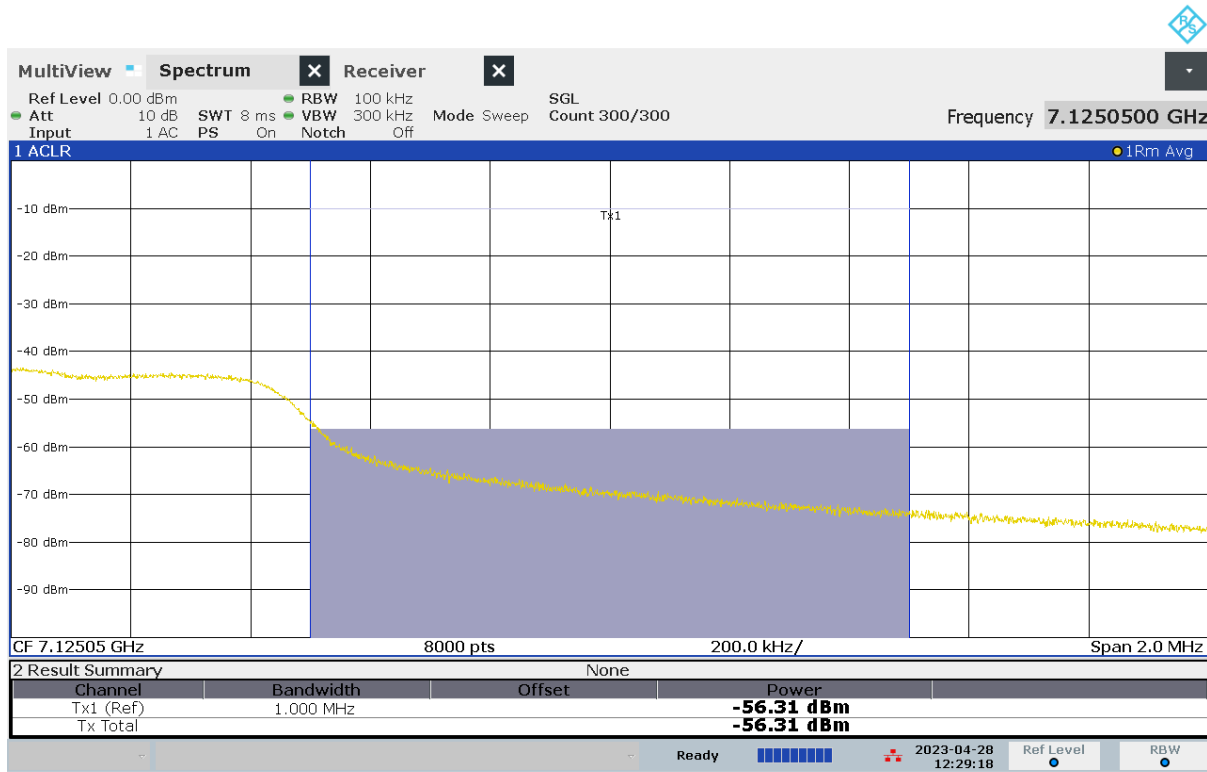
**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



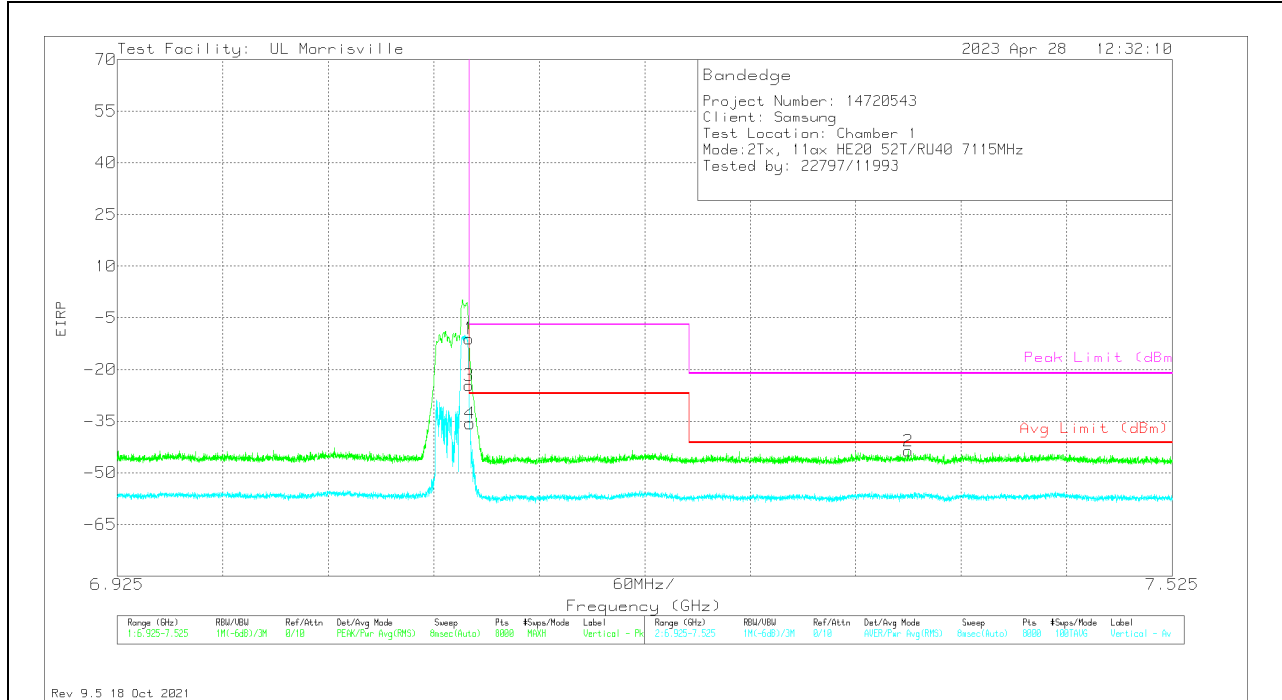
| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 89509 (dB/m) | Gain/Loss (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Avg Limit (dBm) | RMS Margin (dB) | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|--------------|----------------|------------------------|------------------------|-----------------|-----------------|------------------|----------------|----------------|-------------|----------|
| 1      | 7.12505         | -37.3               | Pk  | 35.7         | -20.3          | 11.8                   | -10.1                  | -               | -               | -7               | -3.1           | 216            | 134         | H        |
| 3      | 7.12505         | -56.31              | RMS | 35.7         | -20.3          | 11.8                   | -23.61                 | -27             | -2.47           | -                | -              | 216            | 134         | H        |
| 4      | 7.12587         | -67.51              | RMS | 35.7         | -20.2          | 11.8                   | -40.21                 | -27             | -13.21          | -                | -              | 216            | 134         | H        |
| 2      | 7.12602         | -47.74              | Pk  | 35.7         | -20.2          | 11.8                   | -20.44                 | -               | -               | -7               | -13.44         | 216            | 134         | H        |

Pk - Peak detector  
 RMS - RMS detection



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**VERTICAL RESULT**



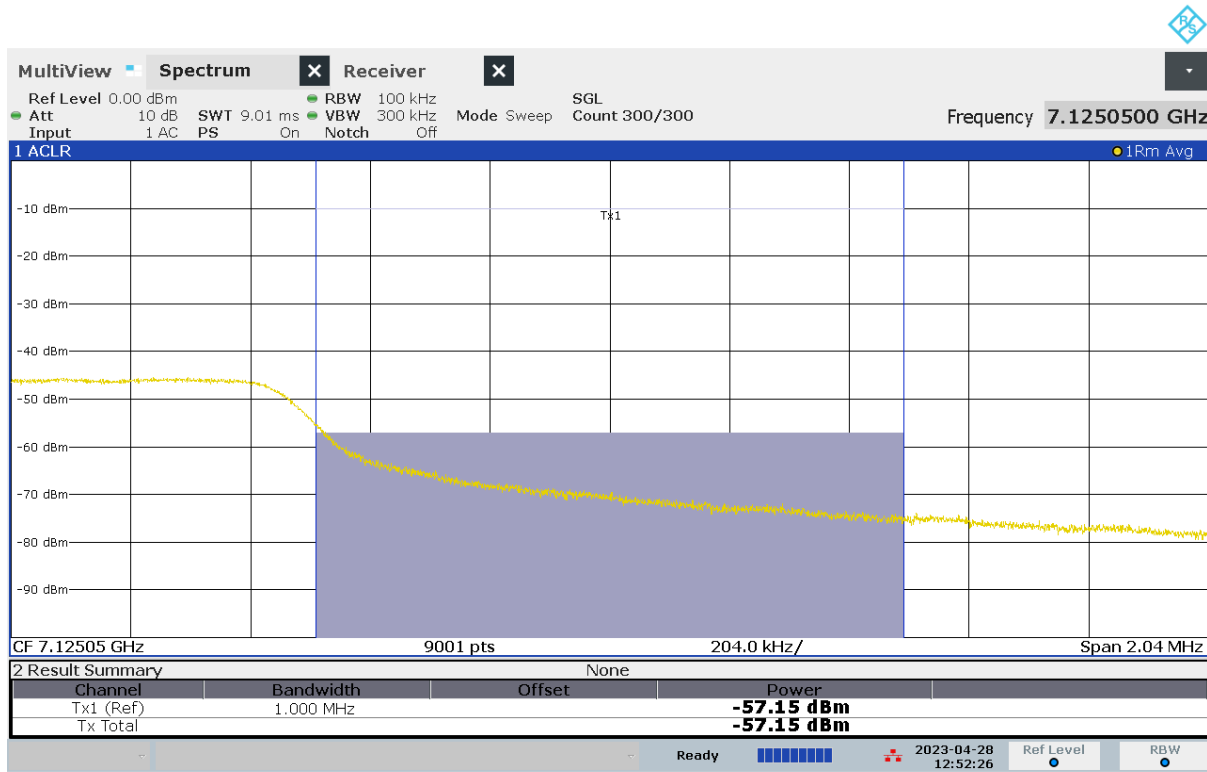
| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 89509 (dB/m) | Gain/Loss (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Avg Limit (dBm) | RMS Margin (dB) | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|--------------|----------------|------------------------|------------------------|-----------------|-----------------|------------------|----------------|----------------|-------------|----------|
| 2      | * ** 7.37475    | -71.01              | Pk  | 35.6         | -20.1          | 11.8                   | -43.71                 | -               | -               | -                | -              | 236            | 279         | V        |
| 1      | 7.12505         | -38.3               | Pk  | 35.7         | -20.3          | 11.8                   | -11.1                  | -               | -               | -7               | -4.1           | 236            | 279         | V        |
| 3      | 7.12505         | -57.15              | RMS | 35.7         | -20.3          | 11.8                   | -24.65                 | -27             | -2.95           | -                | -              | 236            | 279         | V        |
| 4      | 7.12557         | -62.88              | RMS | 35.7         | -20.3          | 11.8                   | -35.68                 | -27             | -8.68           | -                | -              | 236            | 279         | V        |

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

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

Pk - Peak detector

RMS - RMS detection

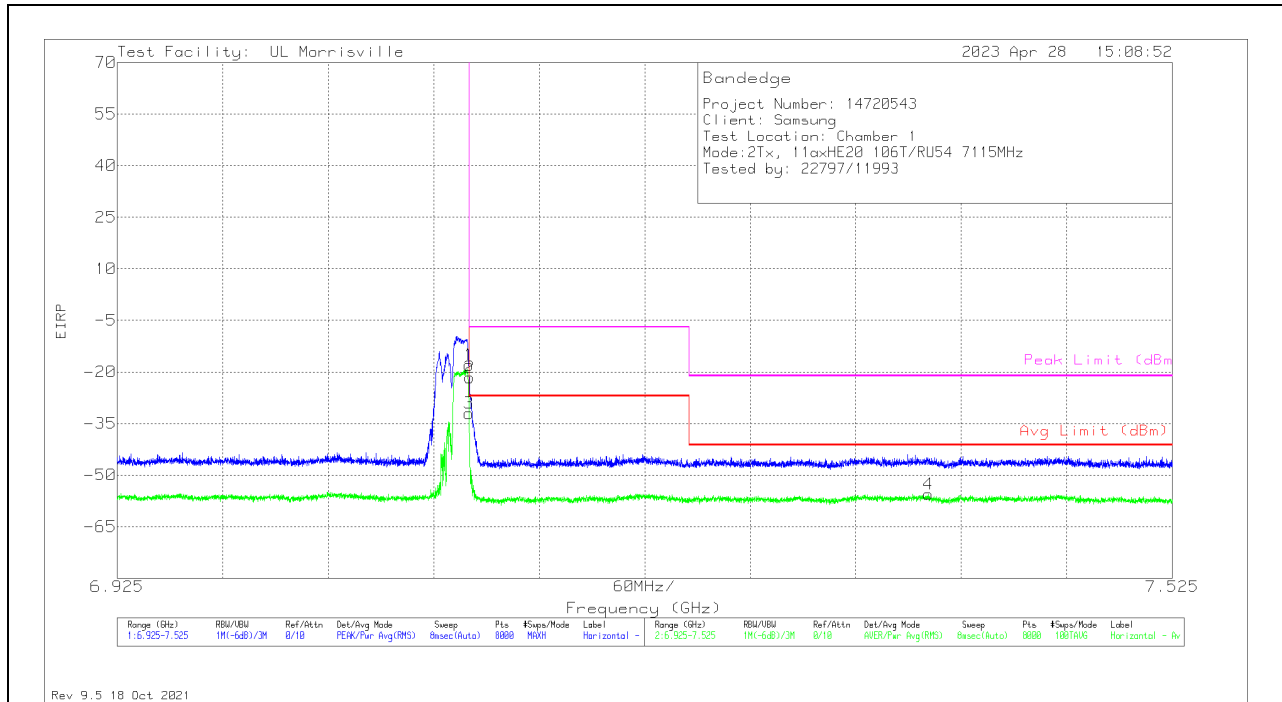


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**2TX CHAIN 0 + CHAIN 1 OFDMA MODE: 106T**

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 89509 (dB/m) | Gain/Loss (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Avg Limit (dBm) | RMS Margin (dB) | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|--------------|----------------|------------------------|------------------------|-----------------|-----------------|------------------|----------------|----------------|-------------|----------|
| 4      | * ** 7.38638    | -82.96              | RMS | 35.6         | -20            | 11.8                   | -55.56                 | -41.2           | -14.36          | -                | -              | 311            | 264         | H        |
| 1      | 7.12505         | -45.16              | Pk  | 35.7         | -20.3          | 11.8                   | -17.96                 | -               | -               | -7               | -10.96         | 311            | 264         | H        |
| 3      | 7.12505         | -59.24              | RMS | 35.7         | -20.3          | 11.8                   | -32.04                 | -27             | -5.04           | -                | -              | 311            | 264         | H        |
| 2      | 7.12535         | -48.81              | Pk  | 35.7         | -20.3          | 11.8                   | -21.61                 | -               | -               | -7               | -14.61         | 311            | 264         | H        |

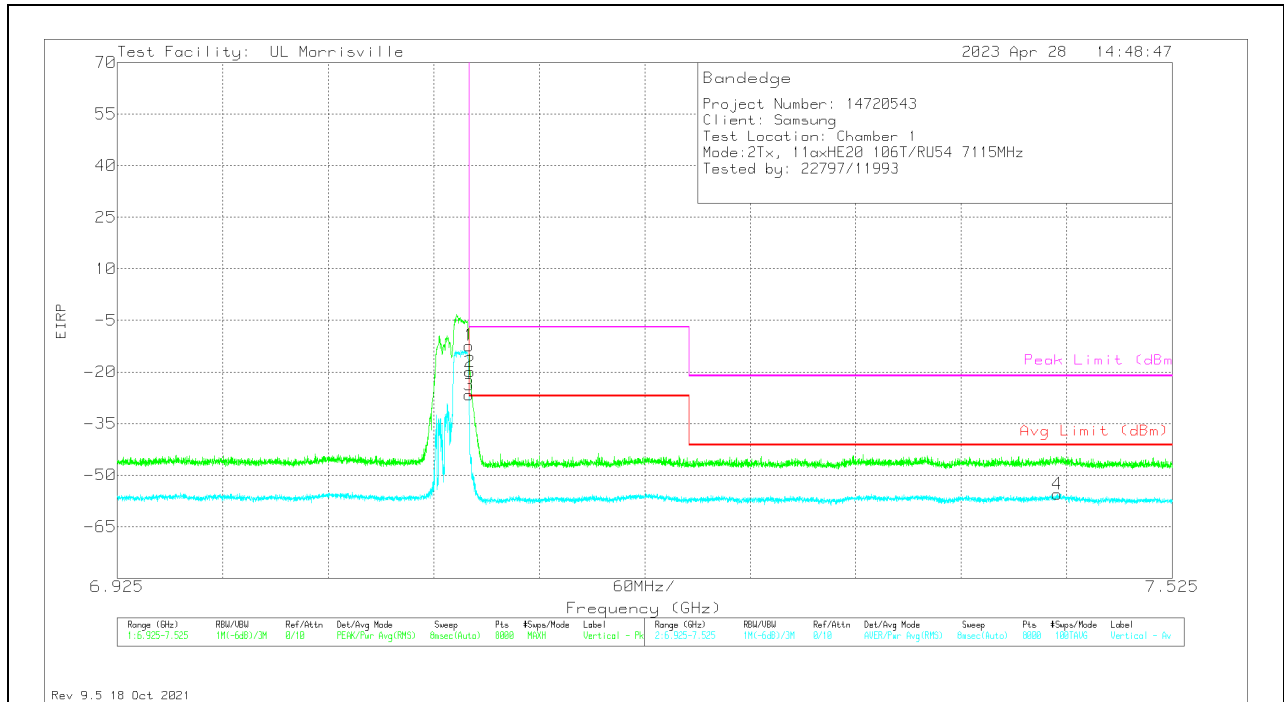
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

Pk - Peak detector

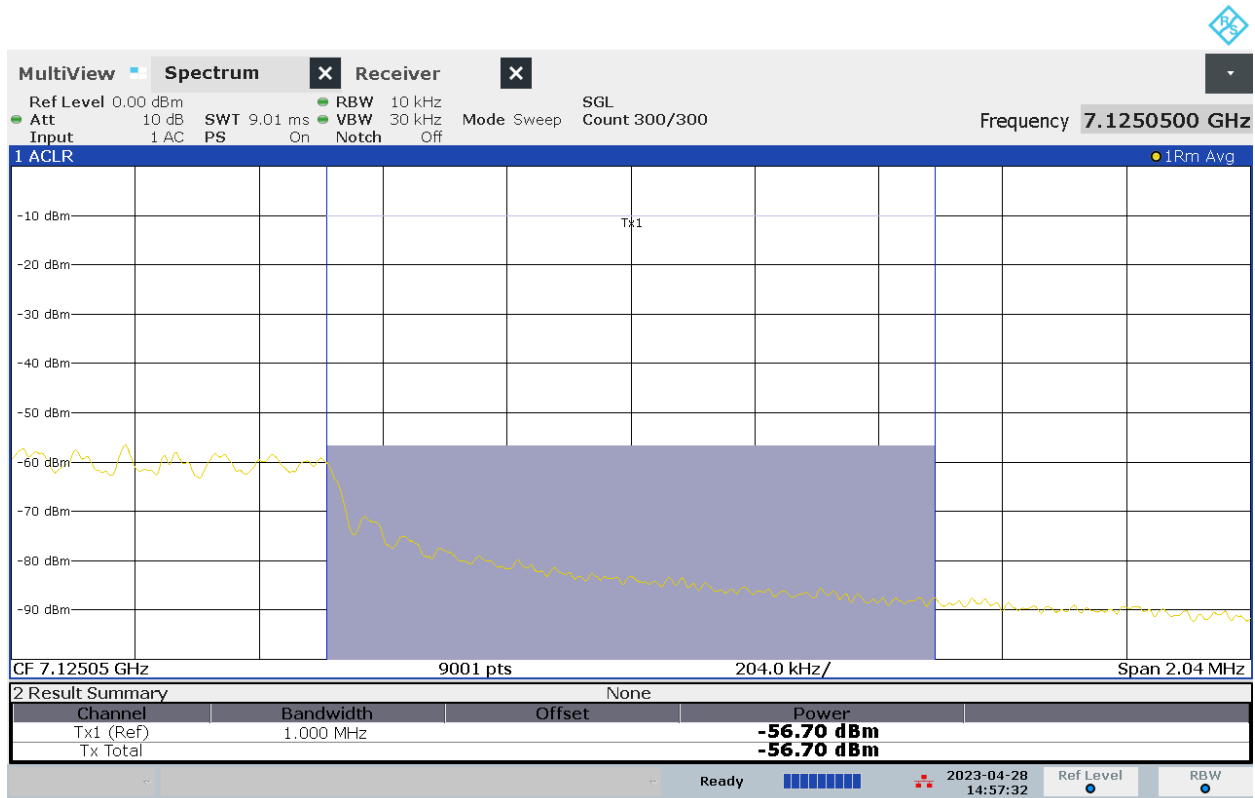
RMS - RMS detection

**VERTICAL RESULT**



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 89509 (dB/m) | Gain/Loss (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Avg Limit (dBm) | RMS Margin (dB) | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|--------------|----------------|------------------------|------------------------|-----------------|-----------------|------------------|----------------|----------------|-------------|----------|
| 4      | * ** 7.45951    | -83.22              | RMS | 35.6         | -19.7          | 11.8                   | -55.52                 | -41.2           | -14.32          | -                | -              | 246            | 239         | V        |
| 1      | 7.12505         | -39.53              | Pk  | 35.7         | -20.3          | 11.8                   | -12.33                 | -               | -               | -7               | -5.33          | 246            | 240         | V        |
| 3      | 7.12505         | -56.70              | RMS | 35.7         | -20.3          | 11.8                   | -29.50                 | -27             | -2.5            | -                | -              | 246            | 239         | V        |
| 2      | 7.12565         | -47.13              | Pk  | 35.7         | -20.3          | 11.8                   | -19.93                 | -               | -               | -7               | -12.93         | 246            | 240         | V        |

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection



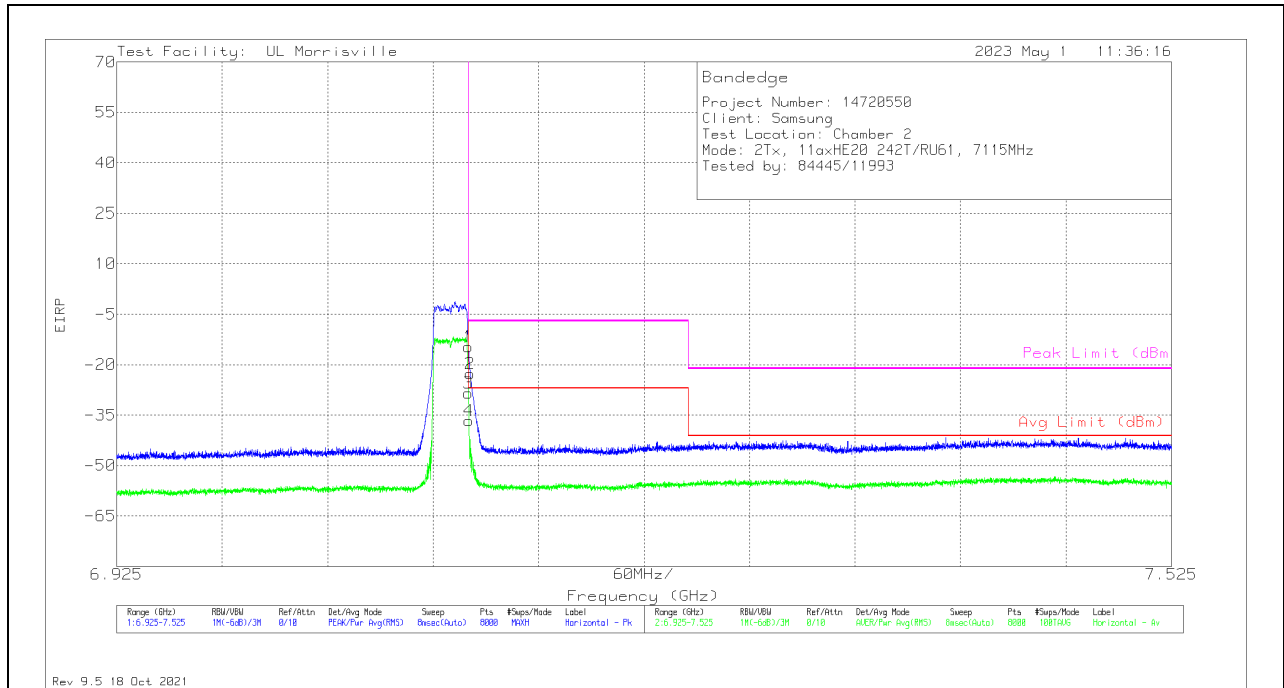
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**2TX CHAIN 0 + CHAIN 1 OFDMA MODE: 242T**

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



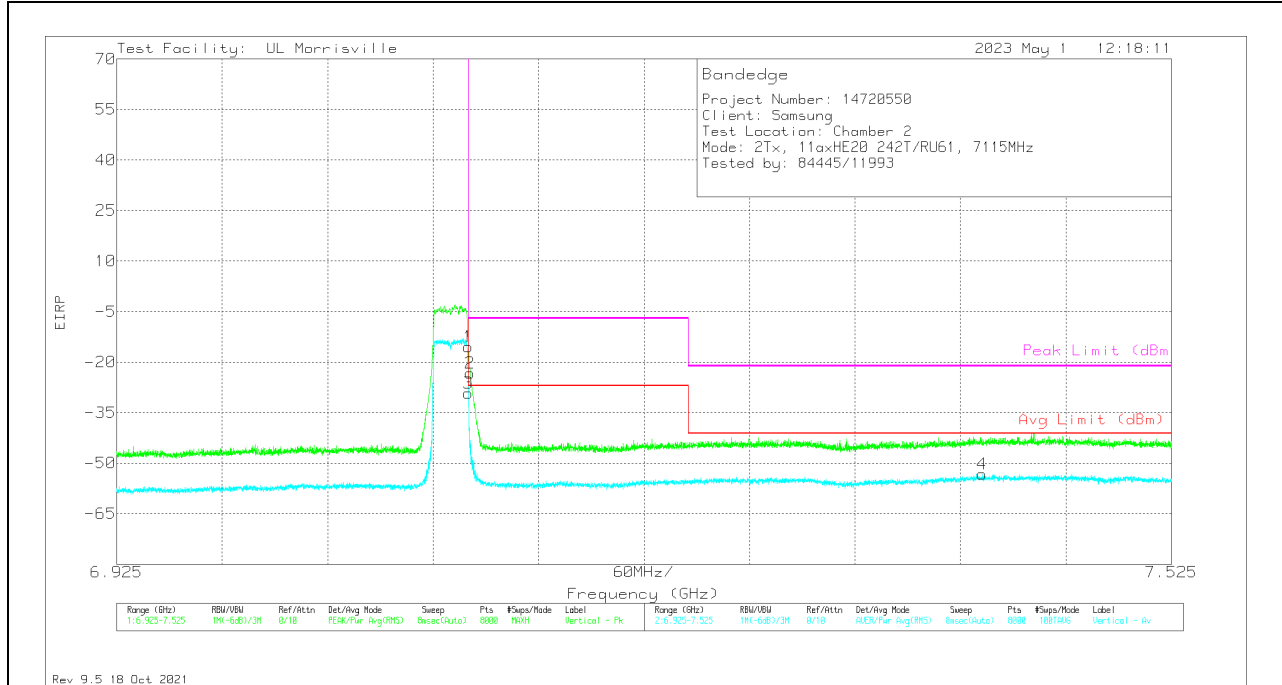
| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 88761 (dB/m) | Gain/Loss (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Avg Limit (dBm) | Margin (dB) | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|--------------|----------------|------------------------|------------------------|-----------------|-------------|------------------|----------------|----------------|-------------|----------|
| 1      | 7.12505         | -43.4               | Pk  | 35.5         | -18.6          | 11.8                   | -14.7                  | -               | -           | -7               | -7.7           | 182            | 169         | H        |
| 2      | 7.1261          | -51.23              | Pk  | 35.5         | -18.7          | 11.8                   | -22.63                 | -               | -           | -7               | -15.63         | 182            | 169         | H        |
| 3      | 7.12505         | -62.35              | RMS | 35.5         | -18.6          | 11.8                   | -33.65                 | -27             | -6.65       | -                | -              | 182            | 169         | H        |
| 4      | 7.12542         | -65.33              | RMS | 35.5         | -18.7          | 11.8                   | -36.73                 | -27             | -9.73       | -                | -              | 182            | 169         | H        |

Pk - Peak detector  
 RMS - RMS detection



12:09:21 PM 05/01/2023

**VERTICAL RESULT**



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 88761 (dB/m) | Gain/Loss (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Avg Limit (dBm) | Margin (dB) | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|--------------|----------------|------------------------|------------------------|-----------------|-------------|------------------|----------------|----------------|-------------|----------|
| 1      | 7.12505         | -44.07              | Pk  | 35.5         | -18.6          | 11.8                   | -15.37                 | -               | -           | -7               | -8.37          | 133            | 125         | V        |
| 2      | 7.12602         | -51.83              | Pk  | 35.5         | -18.7          | 11.8                   | -23.23                 | -               | -           | -7               | -16.23         | 133            | 125         | V        |
| 3      | 7.12505         | -57.92              | RMS | 35.5         | -18.6          | 11.8                   | -29.22                 | -27             | -2.22       | -                | -              | 133            | 125         | V        |
| 4      | * ** 7.41736    | -83.41              | RMS | 35.6         | -17.2          | 11.8                   | -53.21                 | -41.2           | -12.01      | -                | -              | 133            | 125         | V        |

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

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

Pk - Peak detector

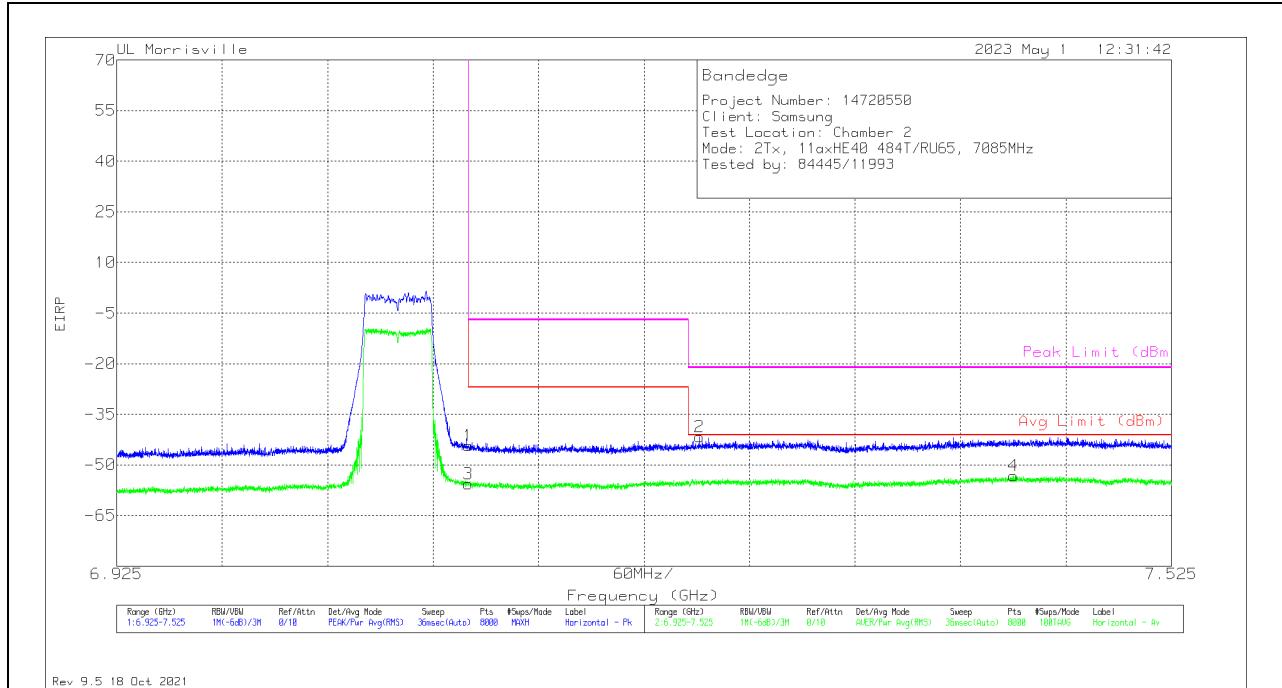
RMS - RMS detection

### 10.1.12. TX ABOVE 1 GHz 802.11ax HE40 MODE IN THE UNII-8 BAND

#### 2TX CHAIN 0 + CHAIN 1 OFDMA MODE: 484T

#### BANDEDGE (HIGH CHANNEL)

#### HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 88761 (dB/m) | Gain/Loss (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Avg Limit (dBm) | RMS Margin (dB) | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|--------------|----------------|------------------------|------------------------|-----------------|-----------------|------------------|----------------|----------------|-------------|----------|
| 2      | * ** 7.25661    | -70.82              | Pk  | 35.6         | -18.2          | 11.8                   | -41.62                 | -               | -               | -21.2            | -20.42         | 146            | 194         | H        |
| 4      | * ** 7.43529    | -83.36              | RMS | 35.6         | -17.3          | 11.8                   | -53.26                 | -41.2           | -12.06          | -                | -              | 146            | 194         | V        |
| 1      | 7.12505         | -73.05              | Pk  | 35.5         | -18.6          | 11.8                   | -44.35                 | -               | -               | -7               | -37.35         | 146            | 194         | H        |
| 3      | 7.12505         | -84.28              | RMS | 35.5         | -18.6          | 11.8                   | -55.58                 | -27             | -28.58          | -                | -              | 146            | 194         | V        |

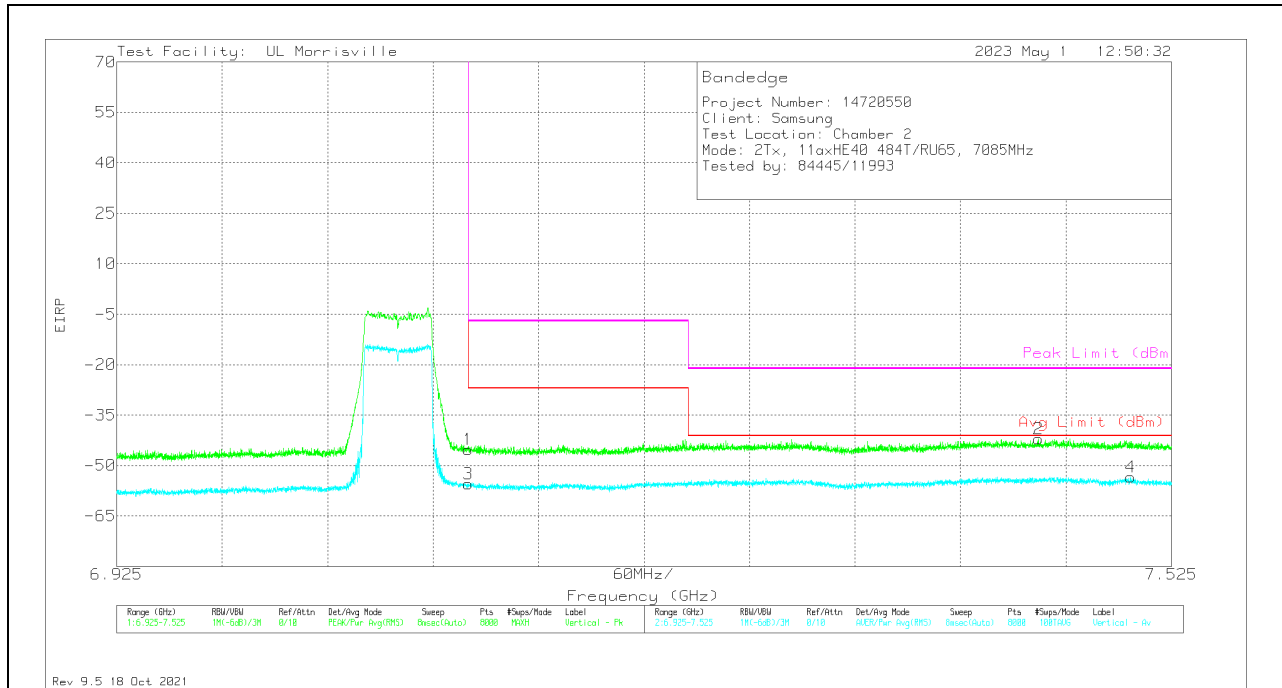
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL RESULT**



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 88761 (dB/m) | Gain/Loss (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Avg Limit (dBm) | RMS Margin (dB) | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|--------------|----------------|------------------------|------------------------|-----------------|-----------------|------------------|----------------|----------------|-------------|----------|
| 1      | 7.12505         | -73.89              | Pk  | 35.5         | -18.6          | 11.8                   | -45.19                 | -               | -               | -7               | -38.19         | 111            | 121         | V        |
| 2      | ** 7.44924      | -72.21              | Pk  | 35.6         | -17.2          | 11.8                   | -42.01                 | -               | -               | -21.2            | -20.81         | 111            | 121         | V        |
| 3      | 7.12505         | -84.25              | RMS | 35.5         | -18.6          | 11.8                   | -55.55                 | -27             | -28.55          | -                | -              | 111            | 121         | V        |
| 4      | ** 7.50182      | -84.05              | RMS | 35.6         | -16.7          | 11.8                   | -53.35                 | -41.2           | -12.15          | -                | -              | 111            | 121         | V        |

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

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

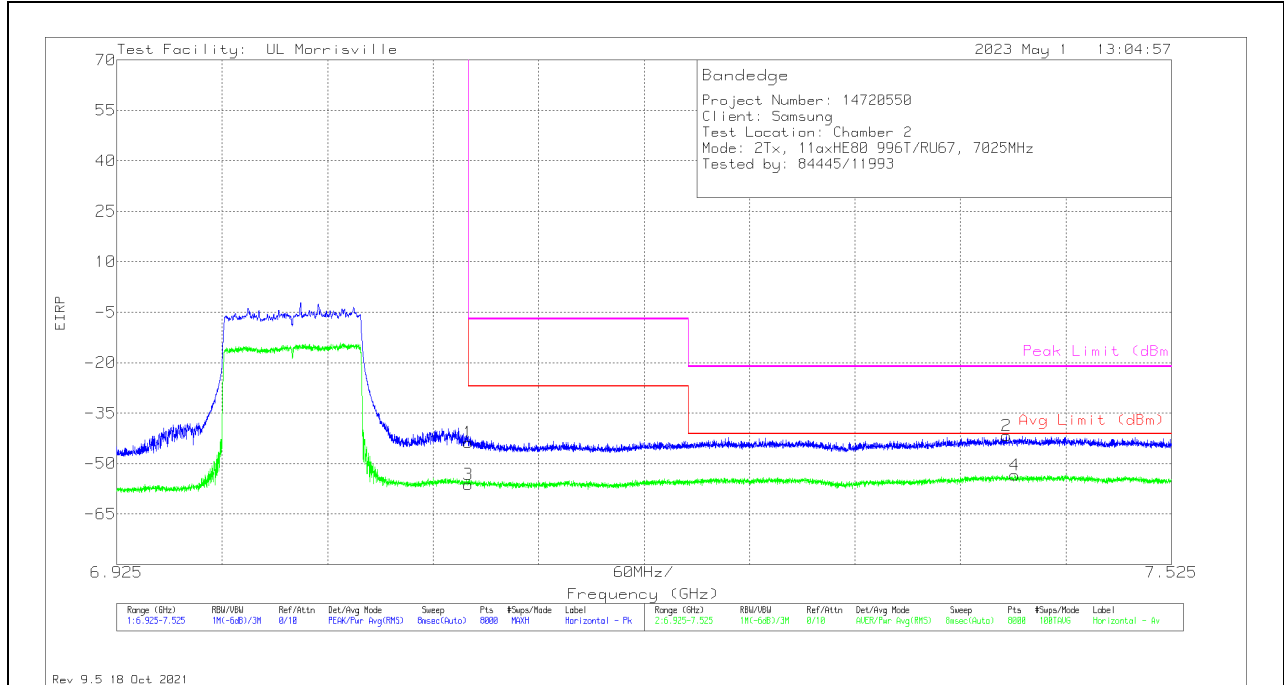
Pk - Peak detector

RMS - RMS detection

**10.1.13. TX ABOVE 1 GHz 802.11ax HE80 MODE IN THE UNII-8 BAND  
 2TX CHAIN 0 + CHAIN 1 OFDMA MODE: 996T**

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 88761 (dB/m) | Gain/Loss (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Avg Limit (dBm) | RMS Margin (dB) | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|--------------|----------------|------------------------|------------------------|-----------------|-----------------|------------------|----------------|----------------|-------------|----------|
| 2      | * ** 7.43109    | -71.87              | Pk  | 35.6         | -17.2          | 11.8                   | -41.67                 | -               | -               | -21.2            | -20.47         | 222            | 141         | H        |
| 4      | * ** 7.43596    | -83.45              | RMS | 35.6         | -17.3          | 11.8                   | -53.35                 | -41.2           | -12.15          | -                | -              | 222            | 141         | H        |
| 1      | 7.12505         | -72.4               | PK  | 35.5         | -18.6          | 11.8                   | -43.7                  | -               | -               | -7               | -36.7          | 222            | 141         | H        |
| 3      | 7.12505         | -84.97              | RMS | 35.5         | -18.6          | 11.8                   | -56.27                 | -27             | -29.27          | -                | -              | 222            | 141         | H        |

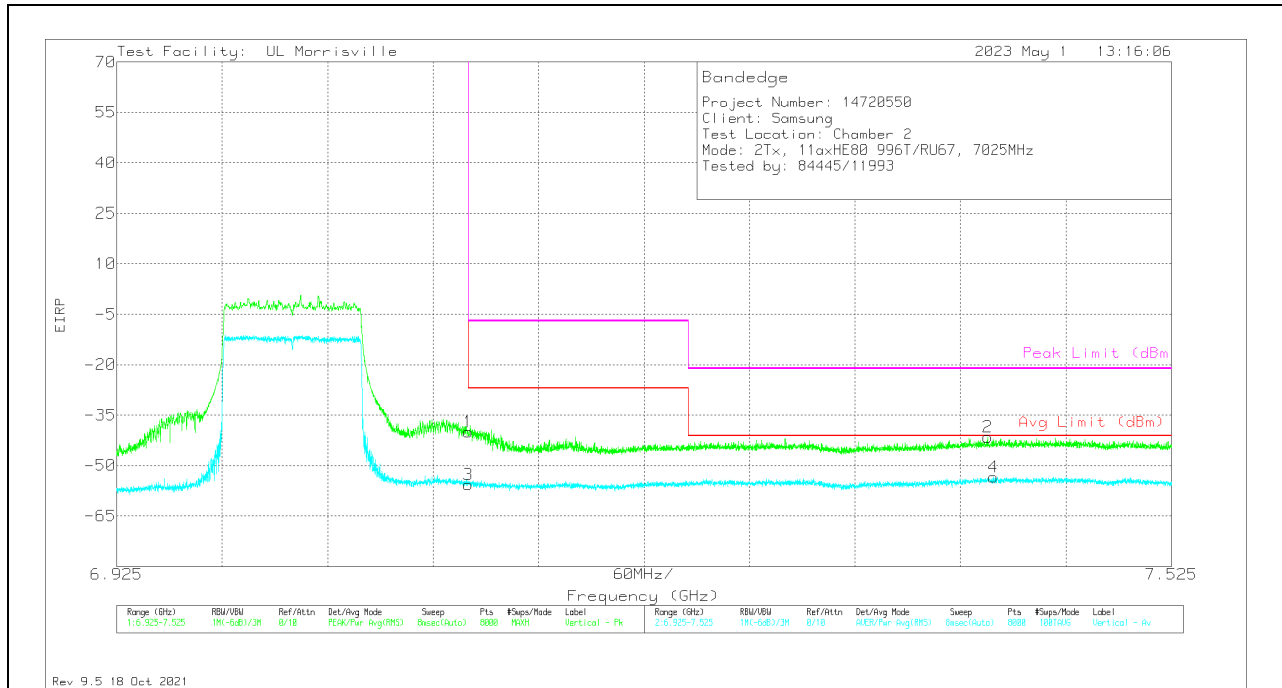
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL RESULT**



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 88761 (dB/m) | Gain/Loss (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Avg Limit (dBm) | RMS Margin (dB) | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|--------------|----------------|------------------------|------------------------|-----------------|-----------------|------------------|----------------|----------------|-------------|----------|
| 2      | * ** 7.42036    | -71.79              | Pk  | 35.6         | -17.2          | 11.8                   | -41.59                 | -               | -               | -21.2            | -20.39         | 120            | 113         | V        |
| 4      | * ** 7.42373    | -83.67              | RMS | 35.6         | -17.1          | 11.8                   | -53.37                 | -41.2           | -12.17          | -                | -              | 120            | 113         | V        |
| 1      | 7.12505         | -68.74              | Pk  | 35.5         | -18.6          | 11.8                   | -40.04                 | -               | -               | -7               | -33.04         | 120            | 113         | V        |
| 3      | 7.12505         | -84.33              | RMS | 35.5         | -18.6          | 11.8                   | -55.63                 | -27             | -28.63          | -                | -              | 120            | 113         | V        |

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

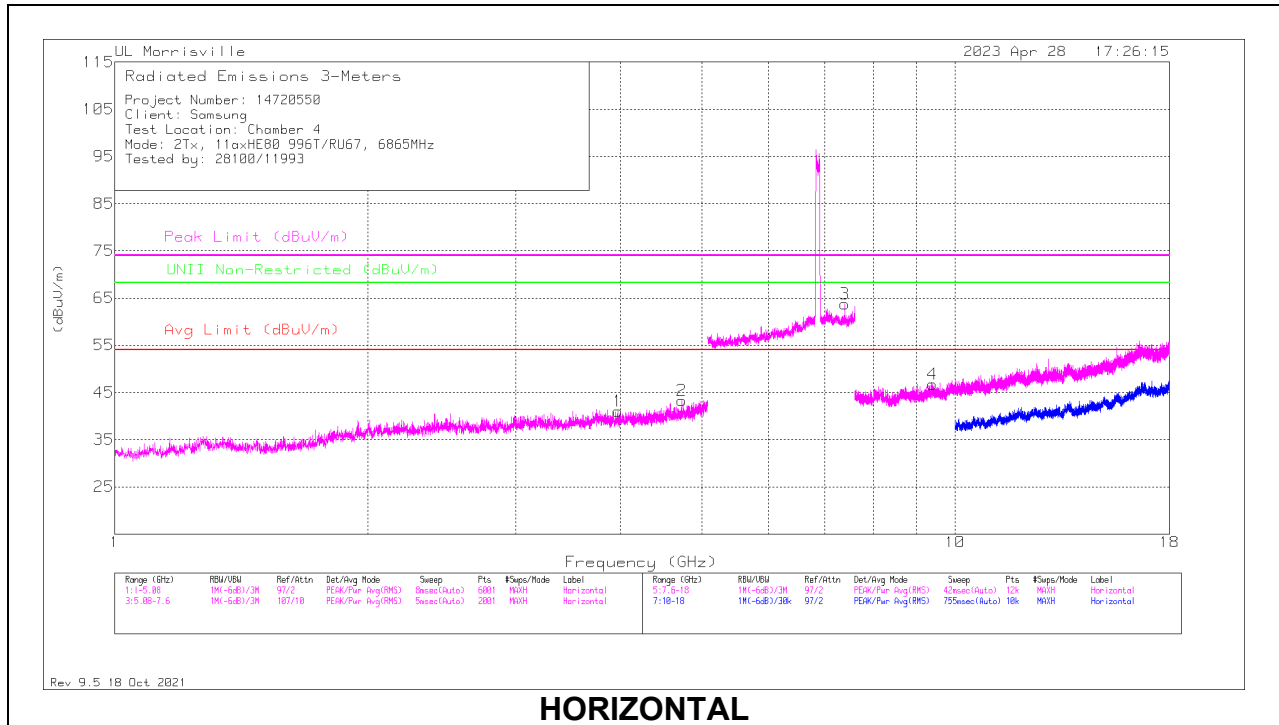
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

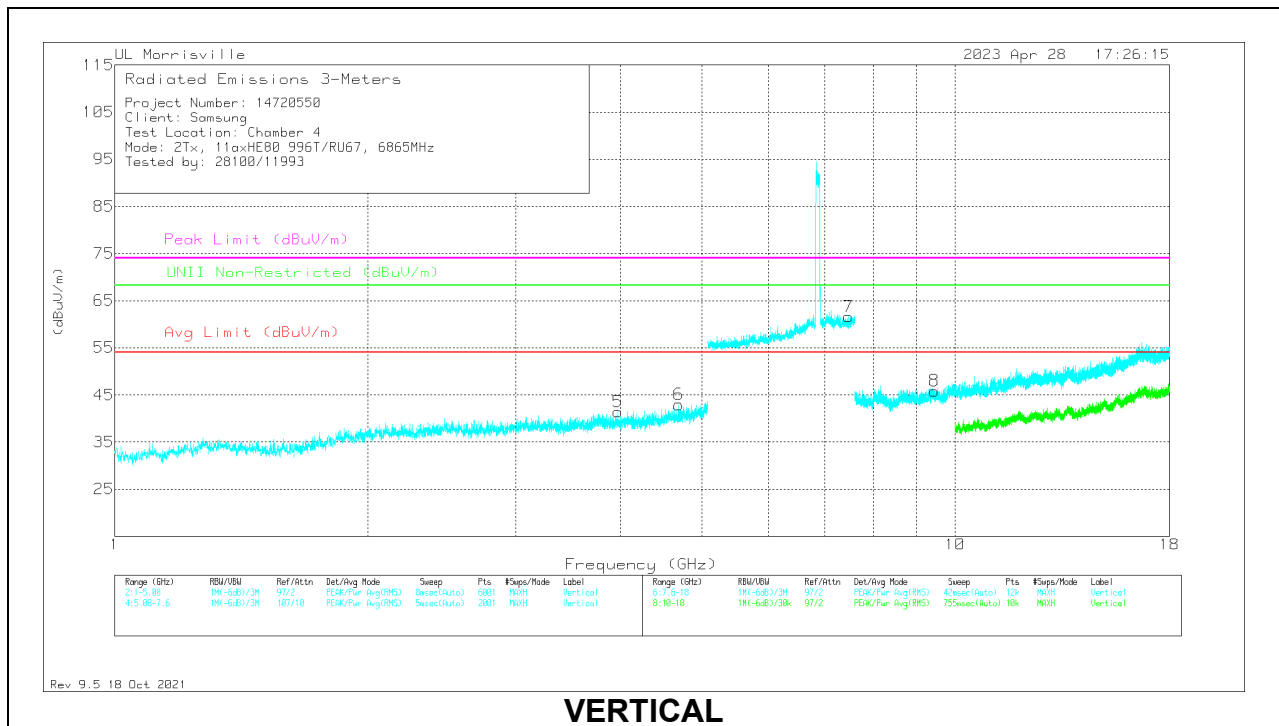
RMS - RMS detection

# HARMONICS AND SPURIOUS EMISSIONS

## LOW



## HORIZONTAL



## VERTICAL



RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | 86408 (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 |
|--------|-----------------|----------------------|------|--------------|----------------|-------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 4      | *** 9.41047     | 36.38                | Pk   | 36.5         | -26.5          | .4          | 46.78                      | 54                 | -7.22       | 74                  | -27.22         | -                            | -              | 0-360          | 100         | H        |
| 8      | *** 9.44513     | 35.37                | Pk   | 36.5         | -26.3          | .3          | 45.87                      | 54                 | -8.13       | 74                  | -28.13         | -                            | -              | 0-360          | 200         | V        |
| 1      | *** 3.97024     | 40.76                | Pk   | 33.4         | -33.2          | 0           | 40.96                      | 54                 | -13.04      | 74                  | -33.04         | -                            | -              | 0-360          | 100         | H        |
| 2      | *** 4.73048     | 40.7                 | Pk   | 34           | -31.4          | 0           | 43.3                       | 54                 | -10.7       | 74                  | -30.7          | -                            | -              | 0-360          | 100         | H        |
| 5      | *** 3.97092     | 41.25                | Pk   | 33.4         | -33.2          | 0           | 41.45                      | 54                 | -12.55      | 74                  | -32.55         | -                            | -              | 0-360          | 200         | V        |
| 6      | *** 4.68934     | 40.75                | Pk   | 34           | -31.8          | 0           | 42.95                      | 54                 | -11.05      | 74                  | -31.05         | -                            | -              | 0-360          | 200         | V        |
| 3      | *** 7.39616     | 34.24                | PK-U | 35.6         | -7.4           | 0           | 62.44                      | -                  | -           | 74                  | -11.56         | -                            | -              | 241            | 224         | H        |
|        | *** 7.39316     | 22.78                | ADR  | 35.6         | -7.4           | 0           | 50.98                      | 54                 | -3.02       | -                   | -              | -                            | -              | 241            | 224         | H        |
| 7      | *** 7.46564     | 34.79                | PK-U | 35.6         | -7.4           | 0           | 62.99                      | -                  | -           | 74                  | -11.01         | -                            | -              | 260            | 133         | V        |
|        | *** 7.46467     | 22.7                 | ADR  | 35.6         | -7.4           | 0           | 50.9                       | 54                 | -3.1        | -                   | -              | -                            | -              | 260            | 133         | V        |

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

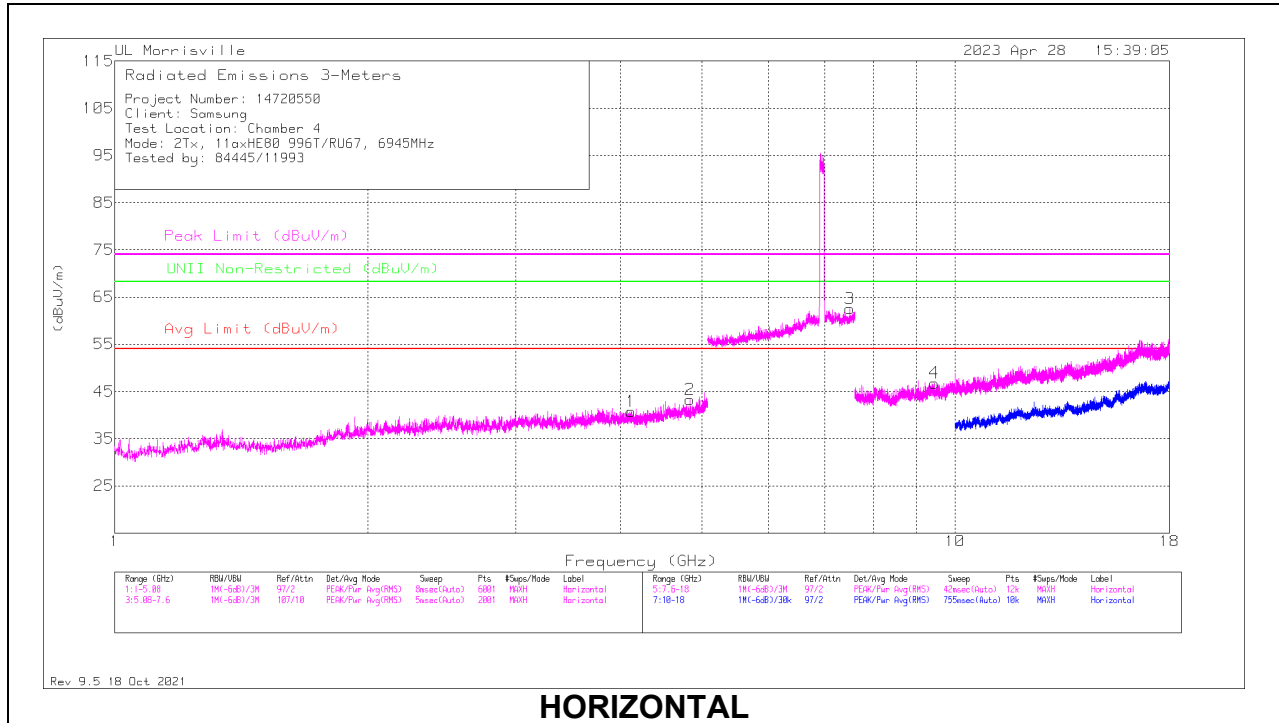
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

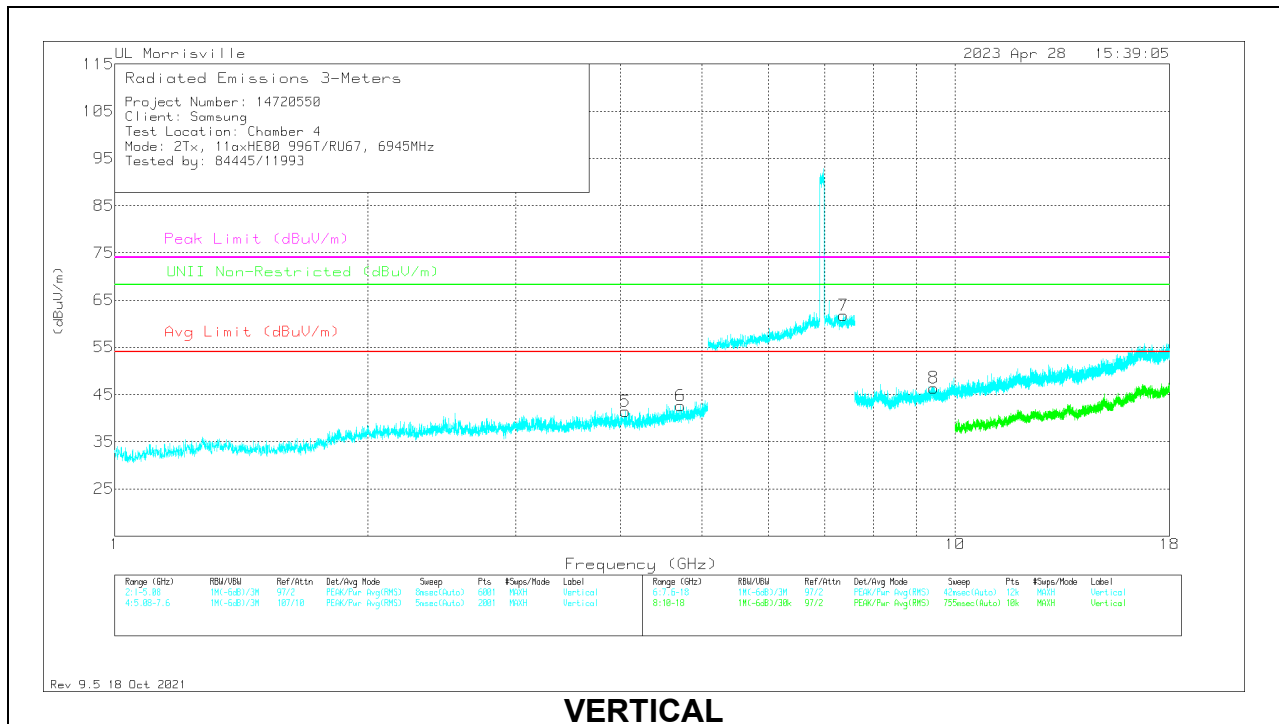
PK-U - Maximum Peak

ADR - RMS average

**MID**



**HORIZONTAL**



**VERTICAL**

RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | 86408 (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 |
|--------|-----------------|----------------------|------|--------------|----------------|-------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 8      | *** 9.4408      | 35.9                 | Pk   | 36.5         | -26.3          | .3          | 46.4                       | 54                 | -7.6        | 74                  | -27.6          | -                            | -              | 0-360          | 200         | V        |
| 4      | *** 9.44687     | 36.3                 | Pk   | 36.5         | -26.3          | .3          | 46.8                       | 54                 | -7.2        | 74                  | -27.2          | -                            | -              | 0-360          | 100         | H        |
| 1      | *** 4.11848     | 39.47                | Pk   | 33.4         | -32.1          | 0           | 40.77                      | 54                 | -13.23      | 74                  | -33.23         | -                            | -              | 0-360          | 100         | H        |
| 2      | *** 4.84064     | 40.46                | Pk   | 34.1         | -31.3          | 0           | 43.26                      | 54                 | -10.74      | 74                  | -30.74         | -                            | -              | 0-360          | 100         | H        |
| 5      | *** 4.05048     | 40.84                | Pk   | 33.4         | -32.8          | 0           | 41.44                      | 54                 | -12.56      | 74                  | -32.56         | -                            | -              | 0-360          | 200         | V        |
| 6      | *** 4.71688     | 40.41                | Pk   | 34           | -31.8          | 0           | 42.61                      | 54                 | -11.39      | 74                  | -31.39         | -                            | -              | 0-360          | 200         | V        |
| 3      | *** 7.49143     | 33.9                 | PK-U | 35.6         | -7.1           | 0           | 62.4                       | -                  | -           | 74                  | -11.6          | -                            | -              | 277            | 252         | H        |
|        | *** 7.49118     | 22.65                | ADR  | 35.6         | -7.1           | 0           | 51.15                      | 54                 | -2.85       | -                   | -              | -                            | -              | 277            | 252         | H        |
| 7      | *** 7.3641      | 34.05                | PK-U | 35.6         | -7.5           | 0           | 62.15                      | -                  | -           | 74                  | -11.85         | -                            | -              | 321            | 272         | V        |
|        | *** 7.36561     | 22.9                 | ADR  | 35.6         | -7.5           | 0           | 51                         | 54                 | -3          | -                   | -              | -                            | -              | 321            | 272         | V        |

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

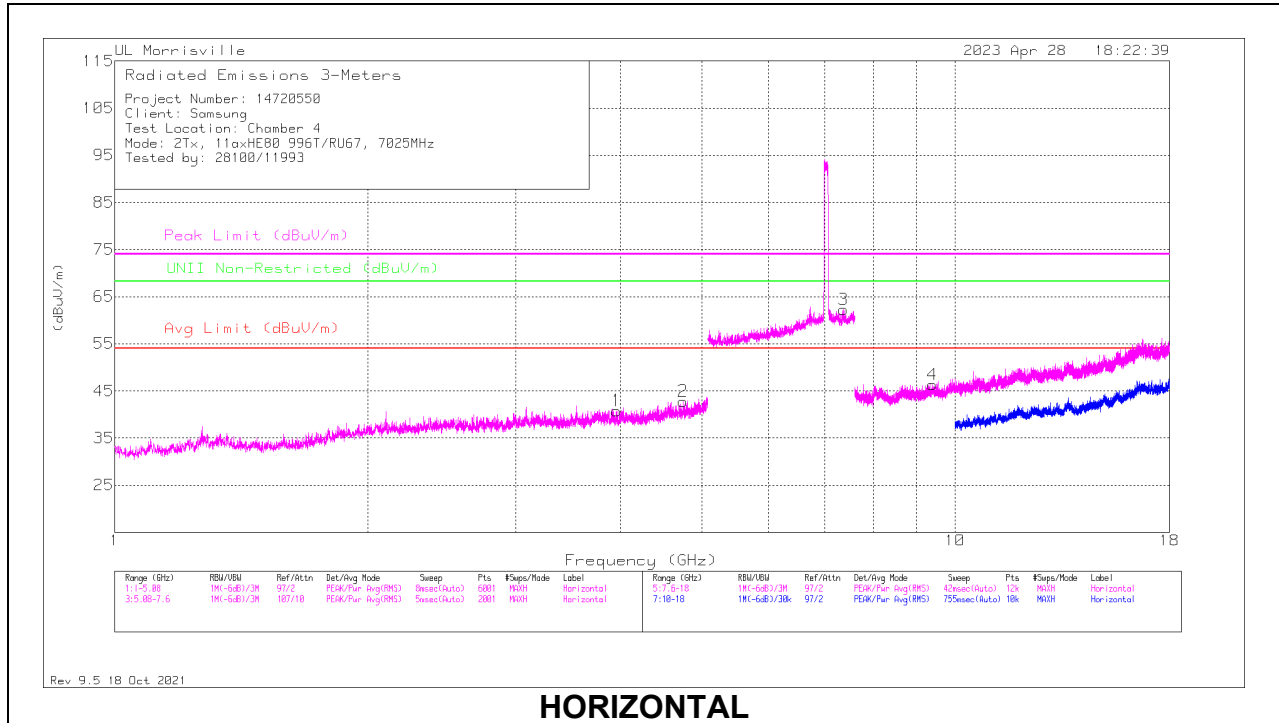
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

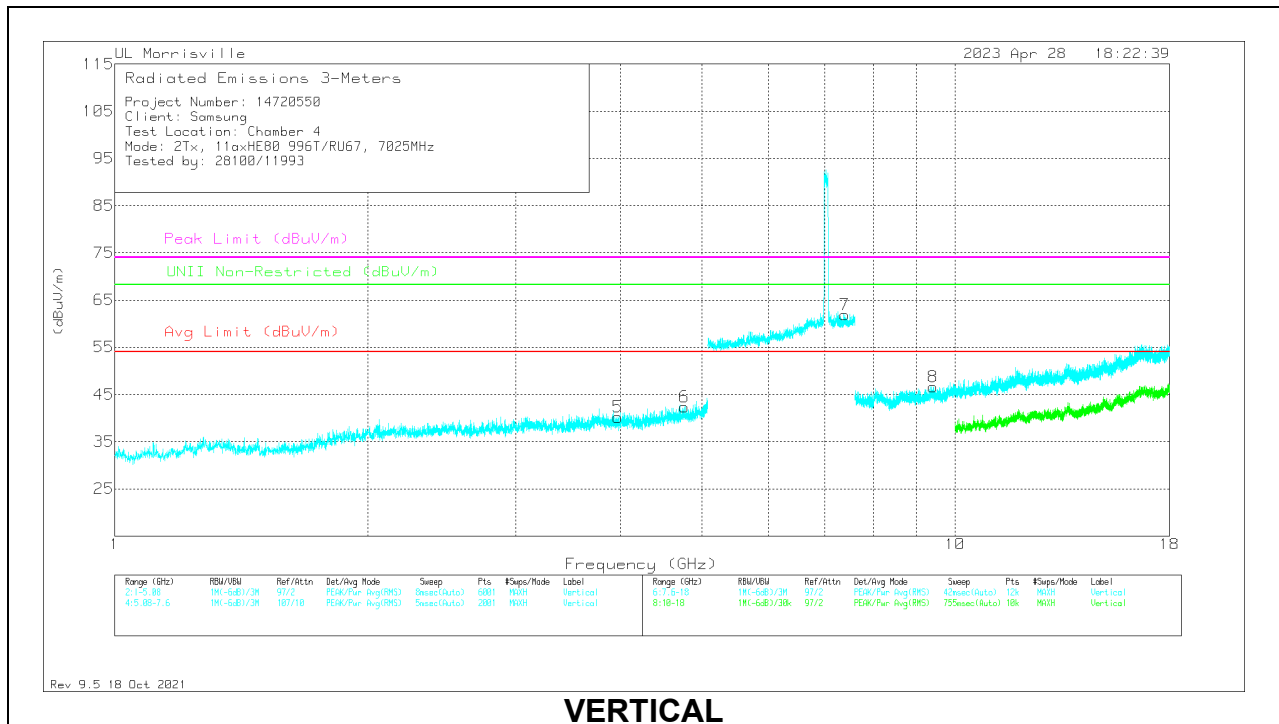
PK-U - Maximum Peak

ADR - RMS average

**HIGH**



**HORIZONTAL**



**VERTICAL**

RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | 86408 (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 |
|--------|-----------------|----------------------|------|--------------|----------------|-------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 4      | * ** 9.40007    | 35.96                | Pk   | 36.5         | -26.5          | .4          | 46.36                      | 54                 | -7.64       | 74                  | -27.64         | -                            | -              | 0-360          | 100         | H        |
| 8      | * ** 9.4252     | 36.16                | Pk   | 36.5         | -26.4          | .4          | 46.66                      | 54                 | -7.34       | 74                  | -27.34         | -                            | -              | 0-360          | 200         | V        |
| 1      | * ** 3.96004    | 40.42                | Pk   | 33.4         | -33            | 0           | 40.82                      | 54                 | -13.18      | 74                  | -33.18         | -                            | -              | 0-360          | 100         | H        |
| 2      | * ** 4.74884    | 40.11                | Pk   | 34           | -31.3          | 0           | 42.81                      | 54                 | -11.19      | 74                  | -31.19         | -                            | -              | 0-360          | 100         | H        |
| 5      | * ** 3.96888    | 39.96                | Pk   | 33.4         | -33.2          | 0           | 40.16                      | 54                 | -13.84      | 74                  | -33.84         | -                            | -              | 0-360          | 200         | V        |
| 6      | * ** 4.7604     | 39.47                | Pk   | 34           | -31.1          | 0           | 42.37                      | 54                 | -11.63      | 74                  | -31.63         | -                            | -              | 0-360          | 200         | V        |
| 3      | * ** 7.3711     | 34.29                | PK-U | 35.6         | -7.4           | 0           | 62.49                      | -                  | -           | 74                  | -11.51         | -                            | -              | 147            | 359         | H        |
|        | * ** 7.37111    | 22.78                | ADR  | 35.6         | -7.4           | 0           | 50.98                      | 54                 | -3.02       | -                   | -              | -                            | -              | 147            | 359         | H        |
| 7      | * ** 7.39036    | 34.1                 | PK-U | 35.6         | -7.4           | 0           | 62.3                       | -                  | -           | 74                  | -11.7          | -                            | -              | 337            | 326         | V        |
|        | * ** 7.39003    | 22.89                | ADR  | 35.6         | -7.4           | 0           | 51.09                      | 54                 | -2.91       | -                   | -              | -                            | -              | 337            | 326         | 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

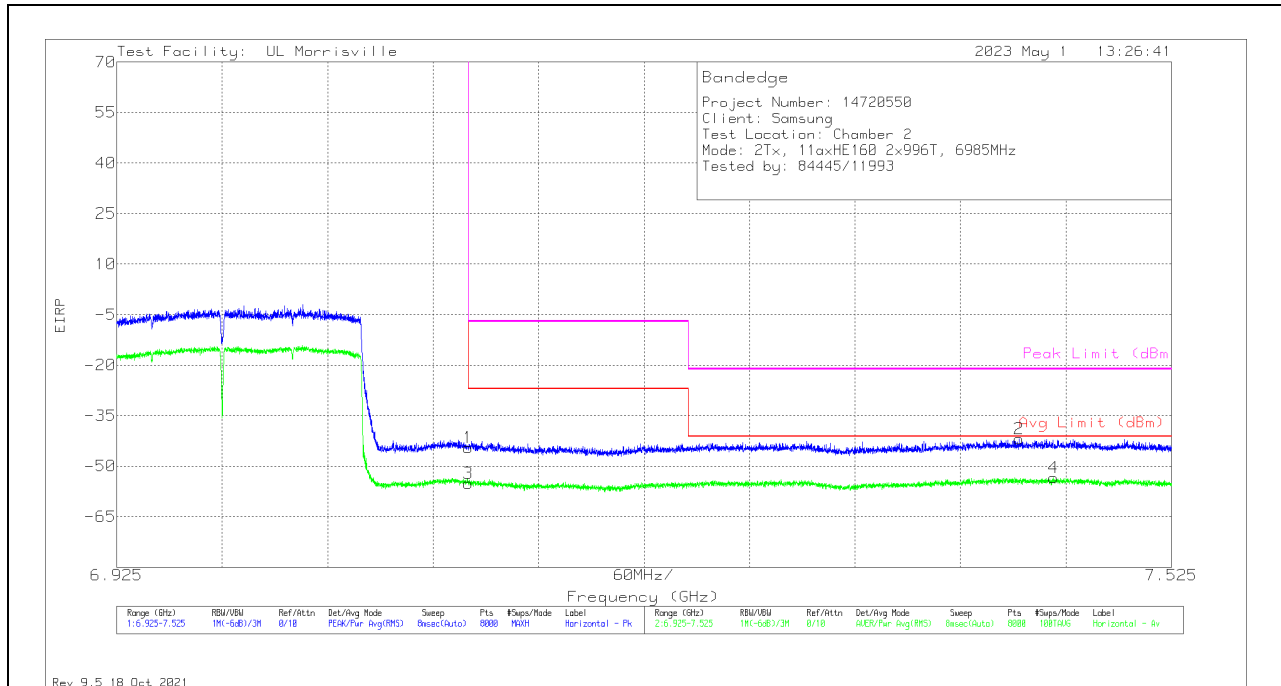
ADR - RMS average

### 10.1.14. TX ABOVE 1 GHz 802.11ax HE160 MODE IN THE UNII-8 BAND

#### 2TX CHAIN 0 + CHAIN 1 OFDMA MODE: 2x996T

#### BANDEDGE (HIGH CHANNEL)

#### HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 88761 (dB/m) | Gain/Loss (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Avg Limit (dBm) | RMS Margin (dB) | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|--------------|----------------|------------------------|------------------------|-----------------|-----------------|------------------|----------------|----------------|-------------|----------|
| 2      | * ** 7.43829    | -72                 | Pk  | 35.6         | -17.3          | 11.8                   | -41.9                  | -               | -               | -21.2            | -20.7          | 238            | 103         | H        |
| 4      | * ** 7.45809    | -83.75              | RMS | 35.6         | -17.1          | 11.8                   | -53.45                 | -41.2           | -12.25          | -                | -              | 238            | 103         | H        |
| 1      | 7.12505         | -73.2               | Pk  | 35.5         | -18.6          | 11.8                   | -44.5                  | -               | -               | -7               | -37.5          | 238            | 103         | H        |
| 3      | 7.12505         | -83.74              | RMS | 35.5         | -18.6          | 11.8                   | -55.04                 | -27             | -28.04          | -                | -              | 238            | 103         | H        |

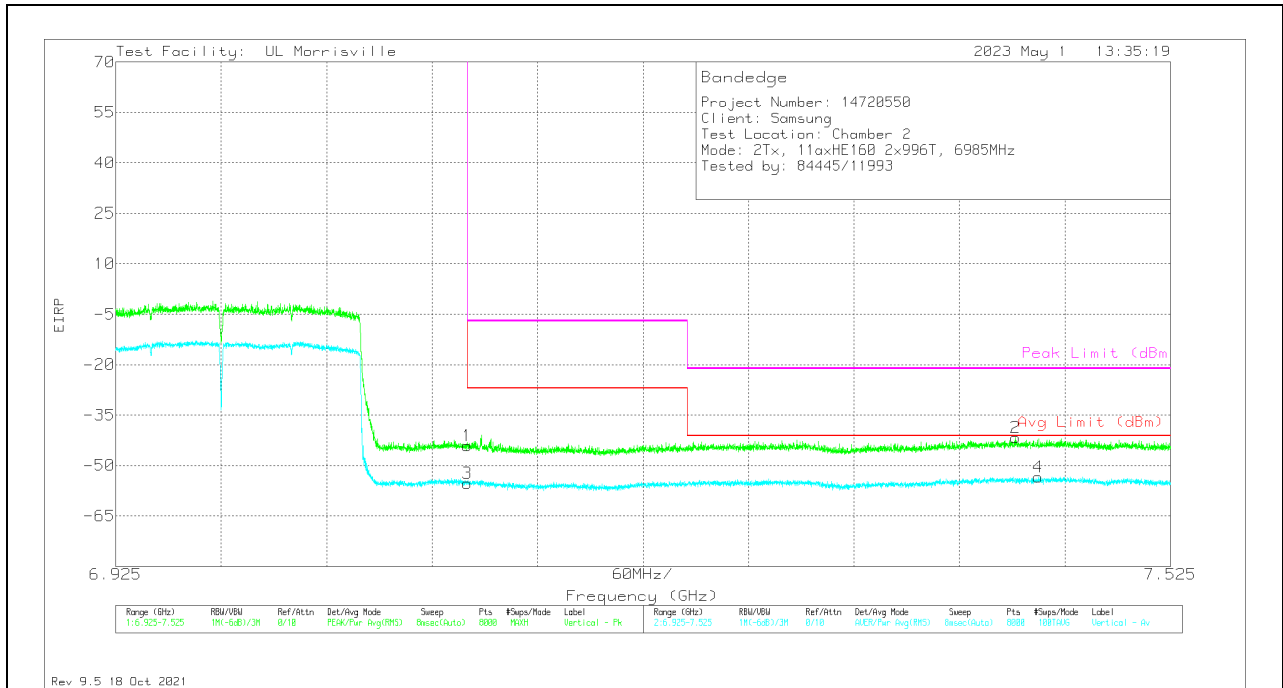
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL RESULT**



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 88761 (dB/m) | Gain/Loss (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Avg Limit (dBm) | RMS Margin (dB) | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|--------------|----------------|------------------------|------------------------|-----------------|-----------------|------------------|----------------|----------------|-------------|----------|
| 2      | * ** 7.43701    | -71.83              | Pk  | 35.6         | -17.3          | 11.8                   | -41.73                 | -               | -               | -21.2            | -20.53         | 130            | 211         | V        |
| 4      | * ** 7.44969    | -83.56              | RMS | 35.6         | -17.2          | 11.8                   | -53.36                 | -41.2           | -12.16          | -                | -              | 130            | 210         | V        |
| 1      | 7.12505         | -72.82              | Pk  | 35.5         | -18.6          | 11.8                   | -44.12                 | -               | -               | -7               | -37.12         | 130            | 211         | V        |
| 3      | 7.12505         | -83.95              | RMS | 35.5         | -18.6          | 11.8                   | -55.25                 | -27             | -28.25          | -                | -              | 130            | 210         | V        |

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

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

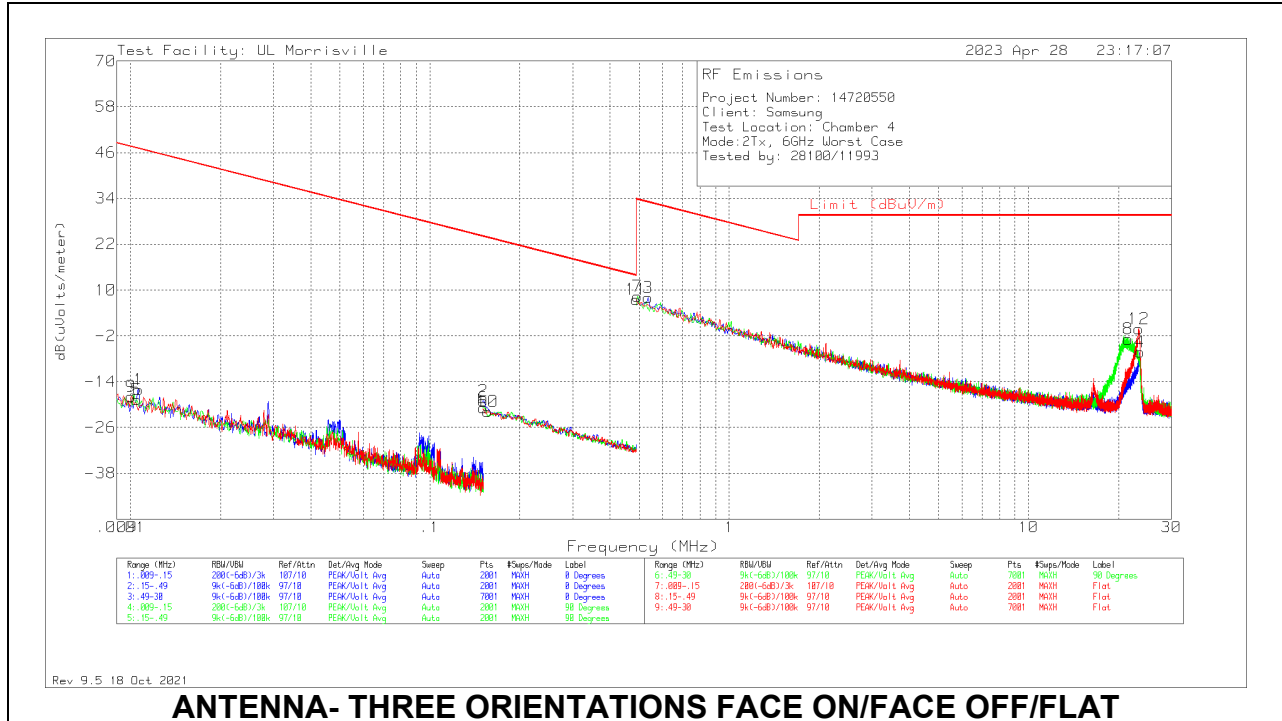
Pk - Peak detector

RMS - RMS detection

## 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)



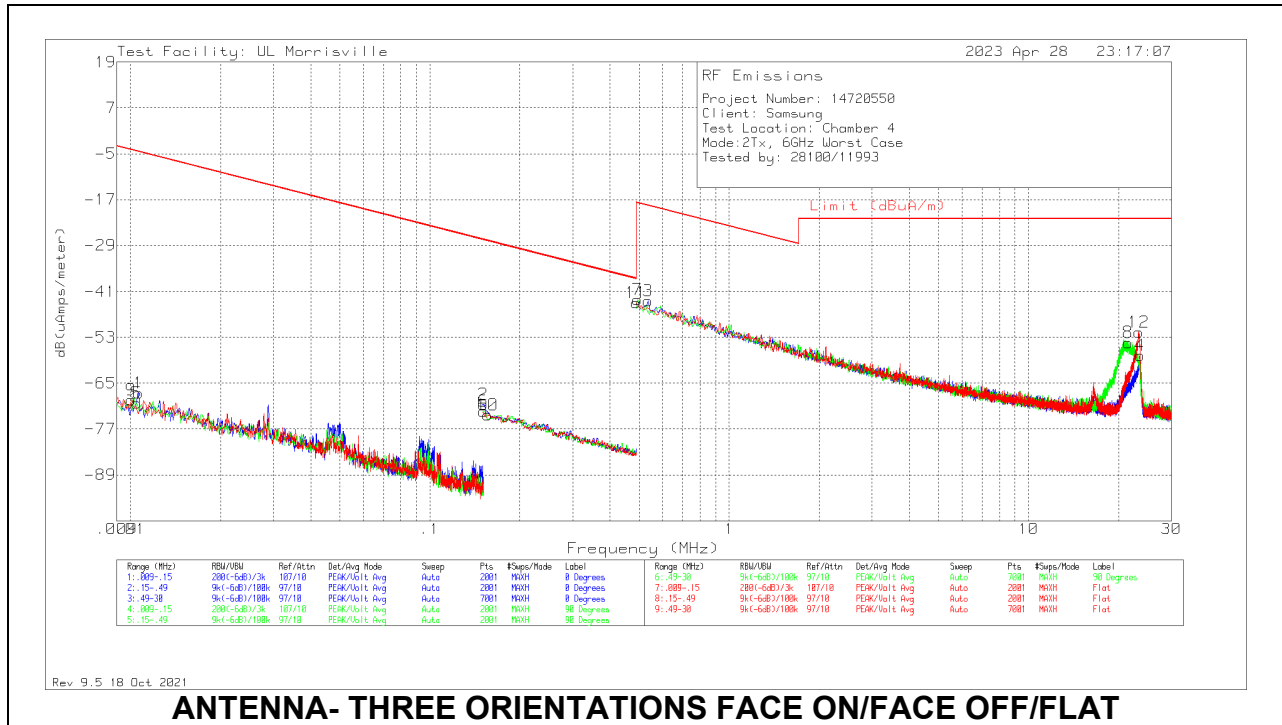
### ANTENNA- THREE ORIENTATIONS FACE ON/FACE OFF/FLAT

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | 135144 (dB/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 |
|--------|-----------------|----------------------|-----|---------------|----------------|-------------------------|------------------------------------|-----------------------|-------------------|-------------|----------------|------------|
| 9      | .01007          | 42.78                | Pk  | 19.3          | 0              | -80                     | -17.92                             | 47.55                 | 67.55             | -65.47      | 0-360          | Flat       |
| 5      | .01049          | 42.25                | Pk  | 19.1          | 0              | -80                     | -18.65                             | 47.19                 | 67.19             | -65.84      | 0-360          | 90 degs    |
| 1      | .01063          | 44.87                | Pk  | 19            | 0              | -80                     | -16.13                             | 47.07                 | 67.07             | -63.2       | 0-360          | 0 degs     |
| 2      | .15077          | 48.68                | Pk  | 12.2          | .1             | -80                     | -19.02                             | 24.04                 | 44.04             | -43.06      | 0-360          | 0 degs     |
| 6      | .15094          | 46.89                | Pk  | 12.2          | .1             | -80                     | -20.81                             | 24.03                 | 44.03             | -44.84      | 0-360          | 90 degs    |
| 10     | .15629          | 45.9                 | Pk  | 12.2          | .1             | -80                     | -21.8                              | 23.73                 | 43.73             | -45.53      | 0-360          | Flat       |
| 11     | .49             | 35.31                | Pk  | 12.2          | .1             | -40                     | 7.61                               | 13.8                  | 33.8              | -6.19       | 0-360          | Flat       |
| 7      | .49422          | 36.1                 | Pk  | 12.2          | .1             | -40                     | 8.4                                | 33.73                 | -                 | -25.33      | 0-360          | 90 degs    |
| 3      | .53638          | 35.67                | Pk  | 12.2          | .1             | -40                     | 7.97                               | 33.01                 | -                 | -25.04      | 0-360          | 0 degs     |
| 8      | 21.55735        | 26.73                | Pk  | 9.5           | .9             | -40                     | -2.87                              | 29.54                 | -                 | -32.41      | 0-360          | 90 degs    |
| 12     | 23.36602        | 29.71                | Pk  | 9.2           | .9             | -40                     | -1.9                               | 29.54                 | -                 | -29.73      | 0-360          | Flat       |
| 4      | 23.53044        | 23.52                | Pk  | 9.2           | 1              | -40                     | -6.28                              | 29.54                 | -                 | -35.82      | 0-360          | 0 degs     |

Pk - Peak detector



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

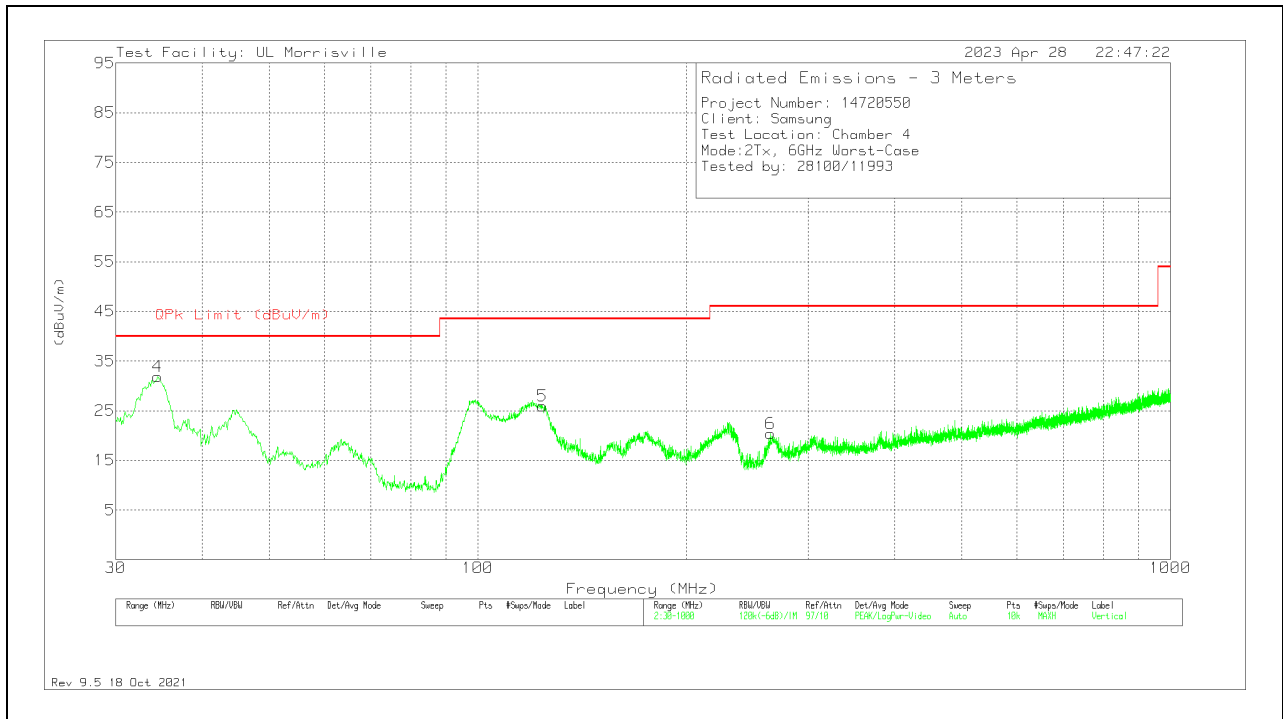
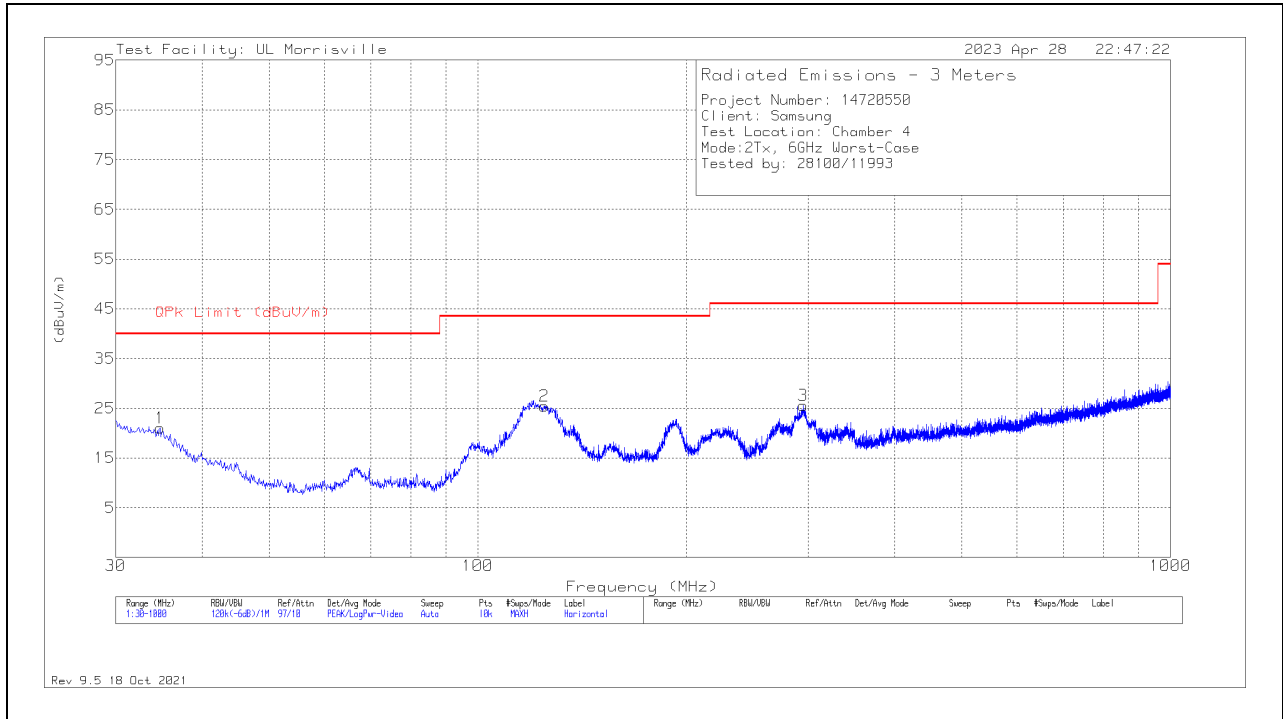


#### ANTENNA- THREE ORIENTATIONS FACE ON/FACE OFF/FLAT

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | 135144 (dB/m) | Gain/Loss (dB) | Dist. Corr. Factor (dB) | Corrected Reading dB(uAmps/meter) | QP/AV Limit (dBuA/m) | PK Limit (dBuA/m) | Margin (dB) | Azimuth (Degs) | Loop Angle |
|--------|-----------------|----------------------|-----|---------------|----------------|-------------------------|-----------------------------------|----------------------|-------------------|-------------|----------------|------------|
| 9      | .01007          | 42.78                | Pk  | -32.2         | 0              | -80                     | -69.42                            | -3.95                | 16.05             | -65.47      | 0-360          | Flat       |
| 5      | .01049          | 42.25                | Pk  | -32.4         | 0              | -80                     | -70.15                            | -4.31                | 15.69             | -65.84      | 0-360          | 90 degs    |
| 1      | .01063          | 44.87                | Pk  | -32.5         | 0              | -80                     | -67.63                            | -4.43                | -15.57            | -63.2       | 0-360          | 0 degs     |
| 2      | .15077          | 48.68                | Pk  | -39.3         | .1             | -80                     | -70.52                            | -27.46               | -7.46             | -43.06      | 0-360          | 0 degs     |
| 6      | .15094          | 46.89                | Pk  | -39.3         | .1             | -80                     | -72.31                            | -27.47               | -7.47             | -44.84      | 0-360          | 90 degs    |
| 10     | .15629          | 45.9                 | Pk  | -39.3         | .1             | -80                     | -73.3                             | -27.77               | -7.77             | -45.53      | 0-360          | Flat       |
| 11     | .49             | 35.31                | Pk  | -39.3         | .1             | -40                     | -43.89                            | -37.7                | -17.7             | -6.19       | 0-360          | Flat       |
| 7      | .49422          | 36.1                 | Pk  | -39.3         | .1             | -40                     | -43.1                             | -17.77               | -                 | -25.33      | 0-360          | 90 degs    |
| 3      | .53638          | 35.67                | Pk  | -39.3         | .1             | -40                     | -43.53                            | -18.49               | -                 | -25.04      | 0-360          | 0 degs     |
| 8      | 21.55735        | 26.73                | Pk  | -42           | .9             | -40                     | -54.37                            | -21.96               | -                 | -32.41      | 0-360          | 90 degs    |
| 12     | 23.36602        | 29.71                | Pk  | -42.3         | .9             | -40                     | -51.69                            | -21.96               | -                 | -29.73      | 0-360          | Flat       |
| 4      | 23.53044        | 23.52                | Pk  | -42.3         | 1              | -40                     | -57.78                            | -21.96               | -                 | -35.82      | 0-360          | 0 degs     |

Pk - Peak detector

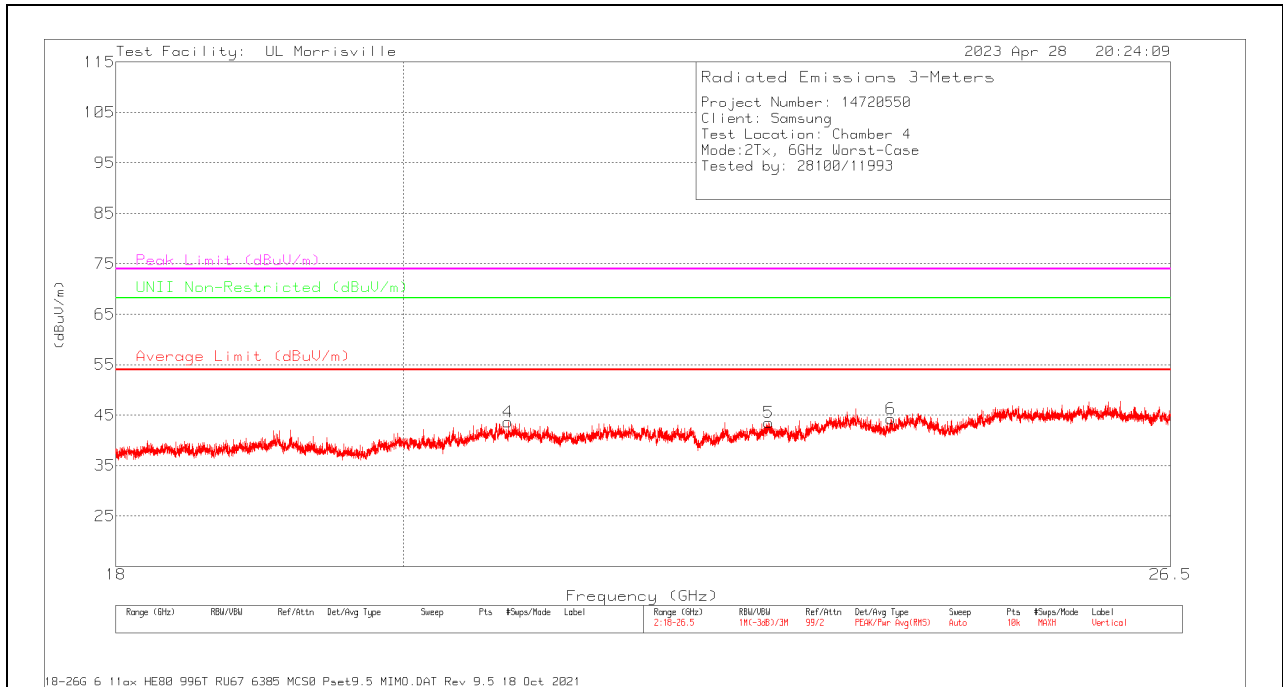
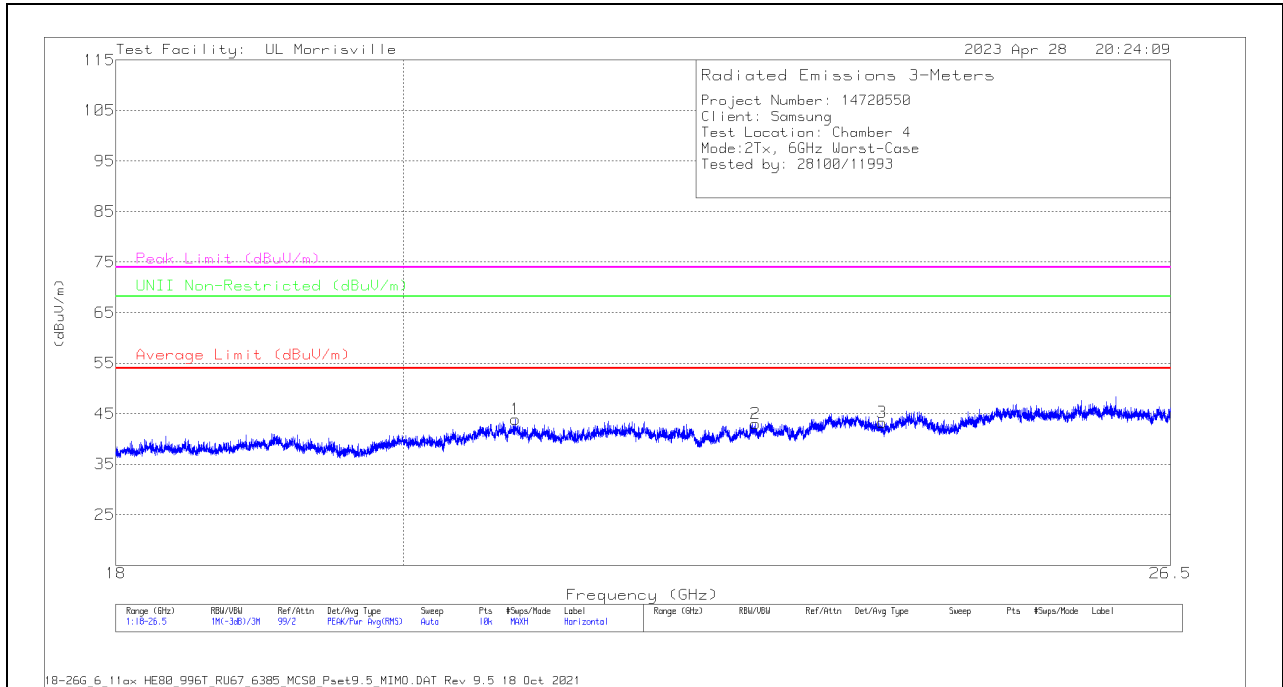
### 10.3. WORST CASE BELOW 1 GHZ



| 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 |
|--------|-----------------|----------------------|-----|--------------|----------------|----------------------------|--------------------|-------------|----------------|-------------|----------|
| 4      | 34.462          | 39.59                | Pk  | 23.9         | -31.6          | 31.89                      | 40                 | -8.11       | 0-360          | 100         | V        |
| 1      | 34.753          | 28.81                | Pk  | 23.7         | -31.5          | 21.01                      | 40                 | -18.99      | 0-360          | 300         | H        |
| 5      | 123.993         | 36.38                | Pk  | 20.1         | -30.5          | 25.98                      | 43.52              | -17.54      | 0-360          | 100         | V        |
| 2      | 124.672         | 35.71                | Pk  | 20.1         | -30.4          | 25.41                      | 43.52              | -18.11      | 0-360          | 100         | H        |
| 6      | 264.449         | 31.31                | Pk  | 18.6         | -29.5          | 20.41                      | 46.02              | -25.61      | 0-360          | 100         | V        |
| 3      | 294.713         | 35.42                | Pk  | 19.4         | -29.2          | 25.62                      | 46.02              | -20.4       | 0-360          | 100         | H        |

Pk - Peak detector

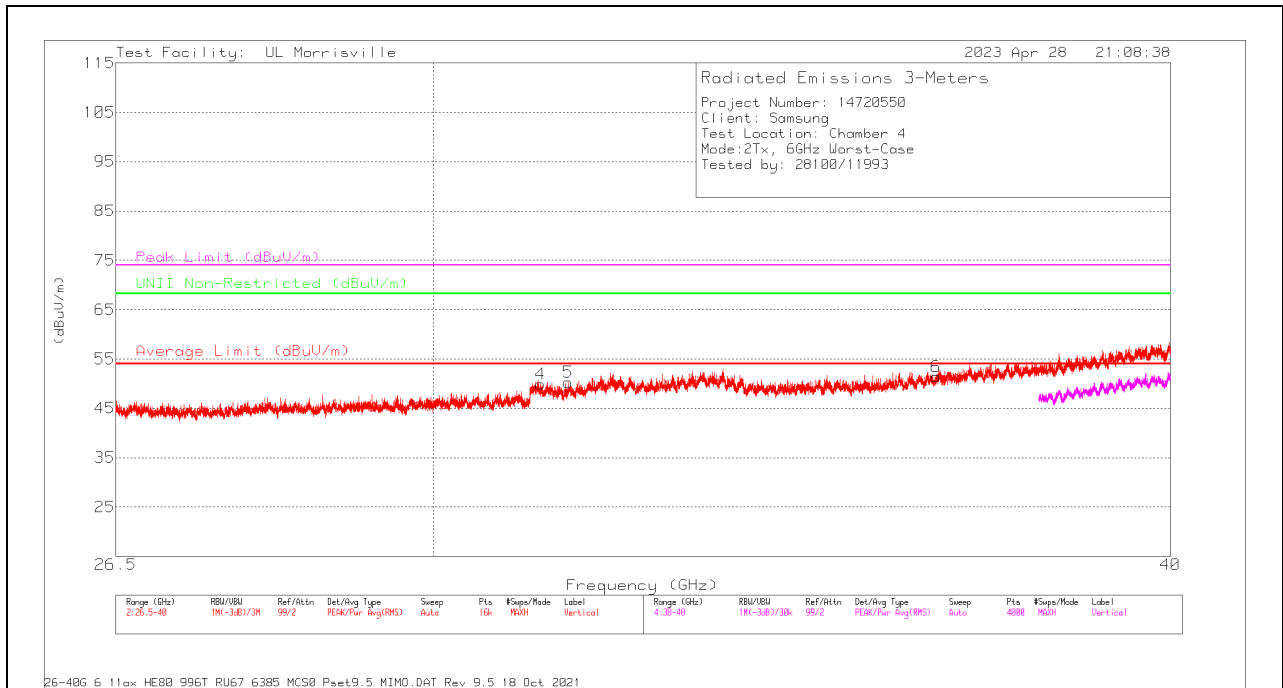
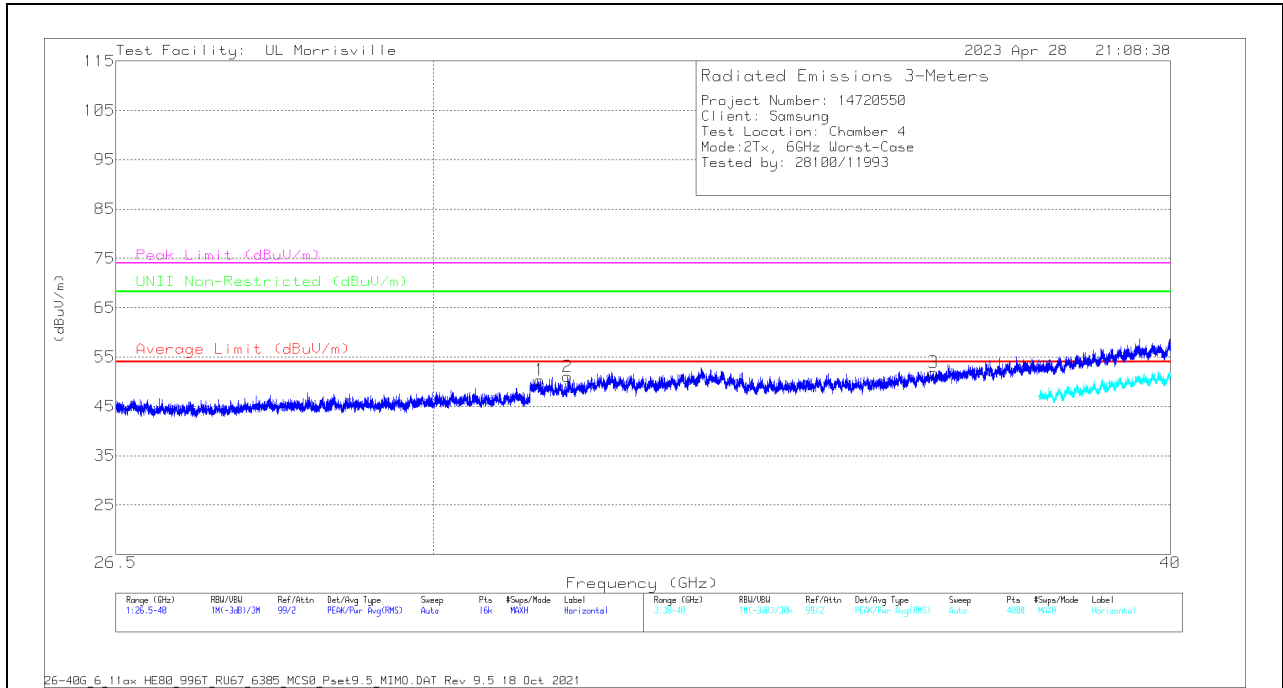
### 10.4. WORST CASE 18-26 GHZ



| 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 |
|--------|-----------------|----------------------|-----|---------------|----------------|----------------------------|------------------------|-------------|---------------------|-------------|------------------------------|----------------|----------------|-------------|----------|
| 4      | *** 20.78687    | 50.51                | Pk  | 34            | -40.9          | 43.61                      | 54                     | -10.39      | 74                  | -30.39      | -                            | -              | 0-360          | 300         | V        |
| 1      | *** 20.84212    | 50.77                | Pk  | 34            | -40.9          | 43.87                      | 54                     | -10.13      | 74                  | -30.13      | -                            | -              | 0-360          | 150         | H        |
| 2      | *** 22.76122    | 48.34                | Pk  | 34.3          | -39.6          | 43.04                      | 54                     | -10.96      | 74                  | -30.96      | -                            | -              | 0-360          | 150         | H        |
| 5      | *** 22.86831    | 48.18                | Pk  | 34.4          | -39.1          | 43.48                      | 54                     | -10.52      | 74                  | -30.52      | -                            | -              | 0-360          | 200         | V        |
| 3      | *** 23.84062    | 46.22                | Pk  | 35.1          | -38            | 43.32                      | 54                     | -10.68      | 74                  | -30.68      | -                            | -              | 0-360          | 150         | H        |
| 6      | *** 23.91626    | 46.91                | Pk  | 35.1          | -37.7          | 44.31                      | 54                     | -9.69       | 74                  | -29.69      | -                            | -              | 0-360          | 250         | 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 |
|--------|-----------------|----------------------|------|---------------|----------------|----------------------------|------------------------|-------------|---------------------|-------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | *** 31.27525    | 46.05                | PK-U | 37            | -32.3          | 50.75                      | 54                     | -3.25       | 74                  | -23.25      | -                            | -              | 14             | 241         | H        |
|        | *** 31.27668    | 34.34                | ADR  | 37            | -32.4          | 38.94                      | 54                     | -15.06      | 74                  | -35.06      | -                            | -              | 14             | 241         | H        |
| 2      | *** 31.61098    | 46.13                | PK-U | 37.1          | -32            | 51.23                      | 54                     | -2.77       | 74                  | -22.77      | -                            | -              | 216            | 300         | H        |
|        | *** 31.61159    | 33.58                | ADR  | 37.1          | -31.9          | 38.78                      | 54                     | -15.22      | 74                  | -35.22      | -                            | -              | 216            | 300         | H        |
| 3      | *** 36.46851    | 48.89                | PK-U | 38.2          | -34.7          | 52.39                      | 54                     | -1.61       | 74                  | -21.61      | -                            | -              | 122            | 330         | H        |
|        | *** 36.46817    | 36.67                | ADR  | 38.2          | -34.7          | 40.17                      | 54                     | -13.83      | 74                  | -33.83      | -                            | -              | 122            | 330         | H        |
| 4      | *** 31.27673    | 46.72                | PK-U | 37            | -32.4          | 51.32                      | 54                     | -2.68       | 74                  | -22.68      | -                            | -              | 12             | 178         | V        |
|        | *** 31.27735    | 33.89                | ADR  | 37            | -32.4          | 38.49                      | 54                     | -15.51      | 74                  | -35.51      | -                            | -              | 12             | 178         | V        |
| 5      | *** 31.61961    | 46.58                | PK-U | 37.1          | -31.7          | 51.98                      | 54                     | -2.02       | 74                  | -22.02      | -                            | -              | 0              | 284         | V        |
|        | *** 31.62299    | 33.56                | ADR  | 37.1          | -31.7          | 38.96                      | 54                     | -15.04      | 74                  | -35.04      | -                            | -              | 0              | 284         | V        |
| 6      | *** 36.49902    | 48.3                 | PK-U | 38.2          | -34.1          | 52.4                       | 54                     | -1.6        | 74                  | -21.6       | -                            | -              | 139            | 253         | V        |
|        | *** 36.4944     | 36.55                | ADR  | 38.2          | -34.2          | 40.55                      | 54                     | -13.45      | 74                  | -33.45      | -                            | -              | 139            | 253         | 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

ADV - Linear Voltage Average

## 11. AC POWER LINE CONDUCTED EMISSIONS

### LIMITS

FCC §15.207 (a)  
RSS-Gen 8.8

| Frequency of Emission (MHz) | Conducted Limit (dB $\mu$ V) |            |
|-----------------------------|------------------------------|------------|
|                             | Quasi-peak                   | Average    |
| 0.15-0.5                    | 66 to 56 *                   | 56 to 46 * |
| 0.5-5                       | 56                           | 46         |
| 5-30                        | 60                           | 50         |

\*Decreases with the logarithm of the frequency.

### TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

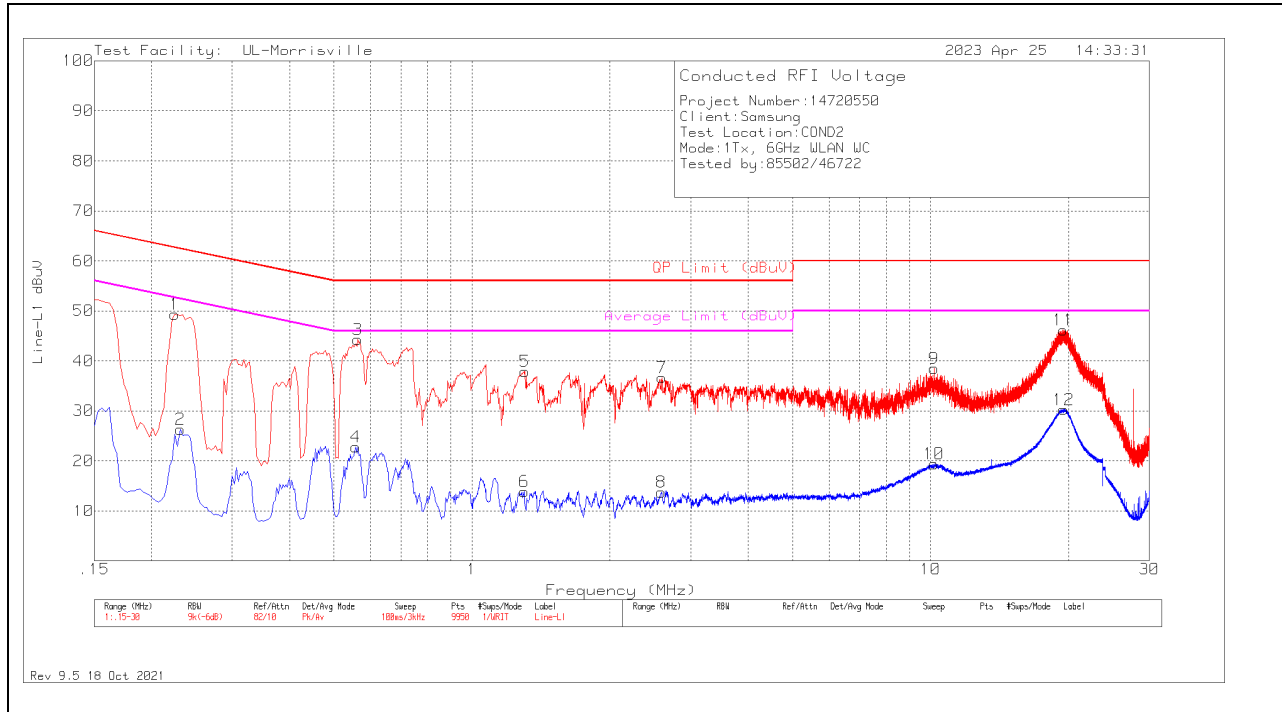
Line conducted data is recorded for both lines.

### RESULTS



### 11.1. AC POWER LINE NORM

#### LINE 1 RESULTS

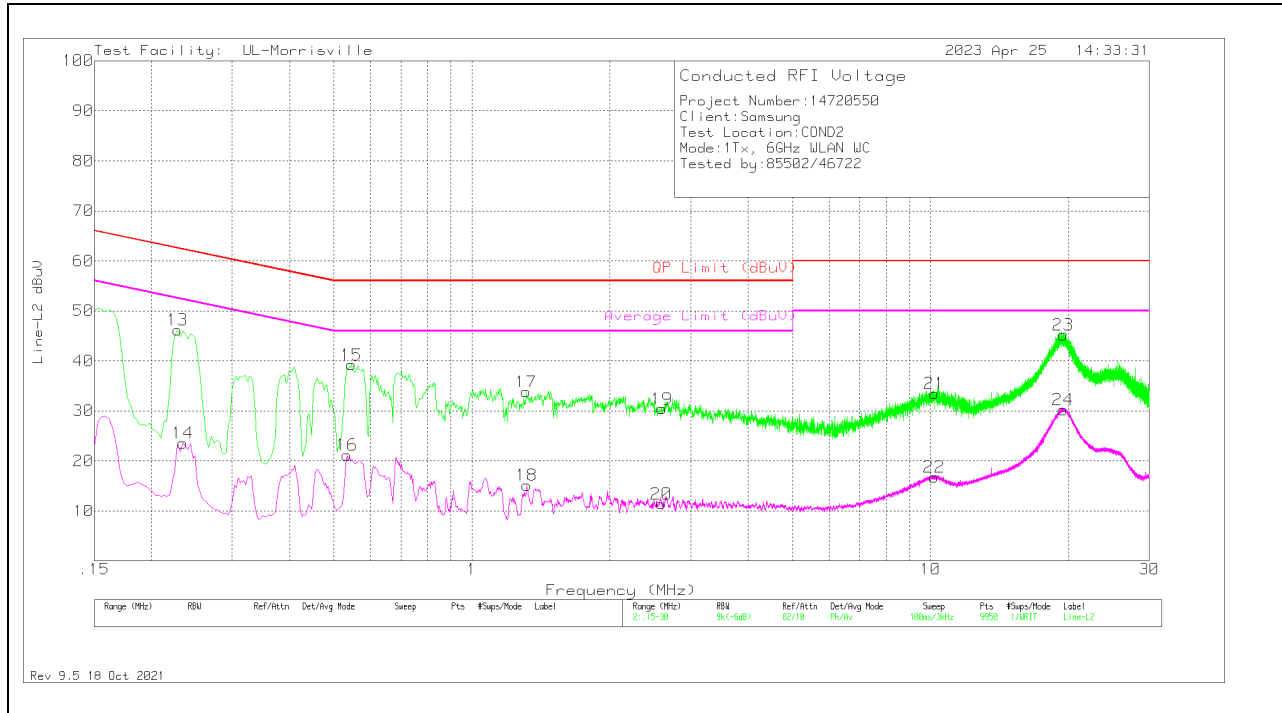


Range 1: Line-L1 .15 - 30MHz

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | LISN VCF (dB) | Cbl/Limiter (dB) | Corrected Reading dBuV | QP Limit (dBuV) | Margin (dB) | Average Limit (dBuV) | Margin (dB) |
|--------|-----------------|----------------------|-----|---------------|------------------|------------------------|-----------------|-------------|----------------------|-------------|
| 1      | .225            | 39.42                | Pk  | .1            | 9.8              | 49.32                  | 62.63           | -13.31      | -                    | -           |
| 2      | .231            | 16.44                | Av  | .1            | 9.8              | 26.34                  | -               | -           | 52.41                | -26.07      |
| 3      | .564            | 34.47                | Pk  | 0             | 9.8              | 44.27                  | 56              | -11.73      | -                    | -           |
| 4      | .558            | 13.06                | Av  | 0             | 9.8              | 22.86                  | -               | -           | 46                   | -23.14      |
| 5      | 1.305           | 28.1                 | Pk  | 0             | 9.8              | 37.9                   | 56              | -18.1       | -                    | -           |
| 6      | 1.299           | 4.07                 | Av  | 0             | 9.8              | 13.87                  | -               | -           | 46                   | -32.13      |
| 7      | 2.595           | 26.9                 | Pk  | 0             | 9.8              | 36.7                   | 56              | -19.3       | -                    | -           |
| 8      | 2.589           | 3.96                 | Av  | 0             | 9.8              | 13.76                  | -               | -           | 46                   | -32.24      |
| 9      | 10.185          | 28.38                | Pk  | .1            | 10               | 38.48                  | 60              | -21.52      | -                    | -           |
| 10     | 10.164          | 9.32                 | Av  | .1            | 10               | 19.42                  | -               | -           | 50                   | -30.58      |
| 11     | 19.473          | 35.9                 | Pk  | .2            | 10.1             | 46.2                   | 60              | -13.8       | -                    | -           |
| 12     | 19.491          | 19.99                | Av  | .2            | 10.1             | 30.29                  | -               | -           | 50                   | -19.71      |

Pk - Peak detector  
 Av - Average detection

LINE 2 RESULTS



| Range 2: Line-L2 .15 - 30MHz |                 |                      |     |               |                  |                        |                 |             |                      |             |
|------------------------------|-----------------|----------------------|-----|---------------|------------------|------------------------|-----------------|-------------|----------------------|-------------|
| Marker                       | Frequency (MHz) | Meter Reading (dBuV) | Det | LISN VCF (dB) | Cbl/Limiter (dB) | Corrected Reading dBuV | QP Limit (dBuV) | Margin (dB) | Average Limit (dBuV) | Margin (dB) |
| 13                           | .228            | 36.3                 | Pk  | .1            | 9.8              | 46.2                   | 62.52           | -16.32      | -                    | -           |
| 14                           | .234            | 13.68                | Av  | .1            | 9.8              | 23.58                  | -               | -           | 52.31                | -28.73      |
| 15                           | .546            | 29.42                | Pk  | 0             | 9.8              | 39.22                  | 56              | -16.78      | -                    | -           |
| 16                           | .534            | 11.35                | Av  | 0             | 9.8              | 21.15                  | -               | -           | 46                   | -24.85      |
| 17                           | 1.314           | 24.03                | Pk  | 0             | 9.8              | 33.83                  | 56              | -22.17      | -                    | -           |
| 18                           | 1.317           | 5.39                 | Av  | 0             | 9.8              | 15.19                  | -               | -           | 46                   | -30.81      |
| 19                           | 2.598           | 20.62                | Pk  | 0             | 9.8              | 30.42                  | 56              | -25.58      | -                    | -           |
| 20                           | 2.589           | 1.63                 | Av  | 0             | 9.8              | 11.43                  | -               | -           | 46                   | -34.57      |
| 21                           | 10.194          | 23.39                | Pk  | .1            | 10               | 33.49                  | 60              | -26.51      | -                    | -           |
| 22                           | 10.185          | 6.71                 | Av  | .1            | 10               | 16.81                  | -               | -           | 50                   | -33.19      |
| 23                           | 19.464          | 34.89                | Pk  | .2            | 10.1             | 45.19                  | 60              | -14.81      | -                    | -           |
| 24                           | 19.458          | 19.95                | Av  | .2            | 10.1             | 30.25                  | -               | -           | 50                   | -19.75      |

Pk - Peak detector  
 Av - Average detection

## 12. SETUP PHOTOS

Refer to R14720550-EP1 for setup photos.

**END OF TEST REPORT**