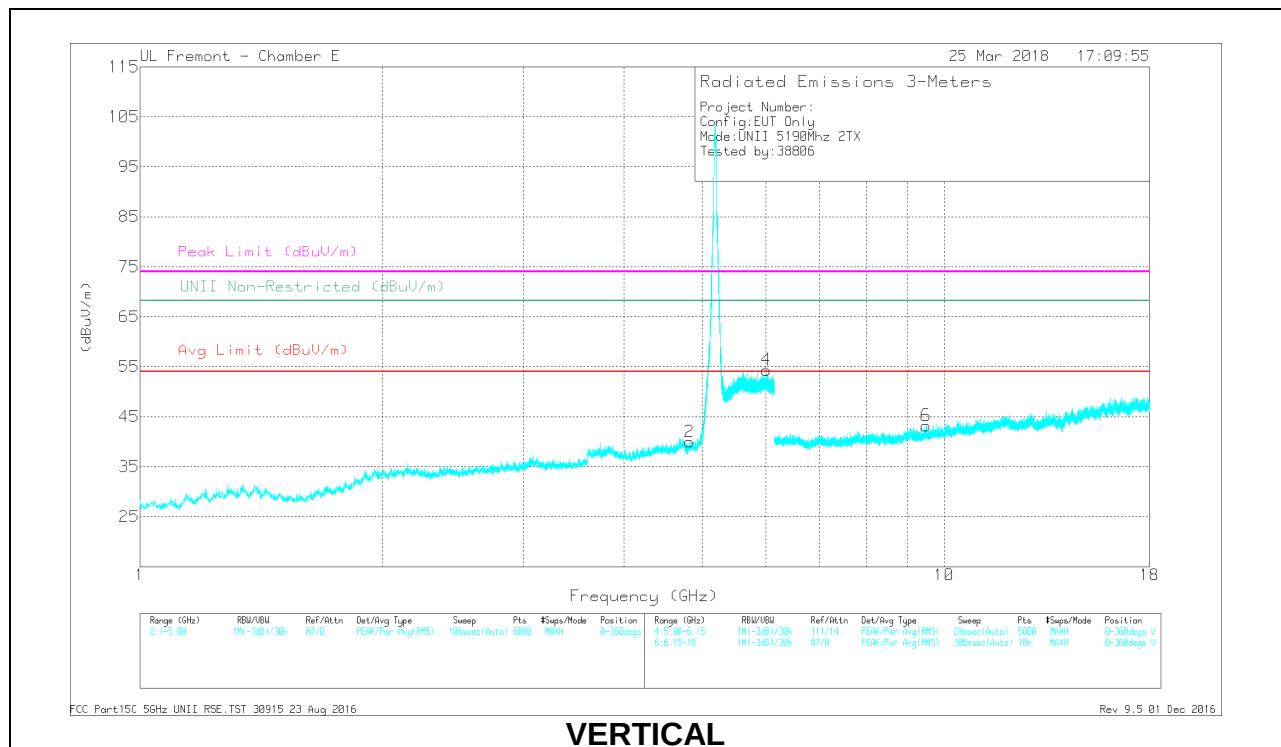
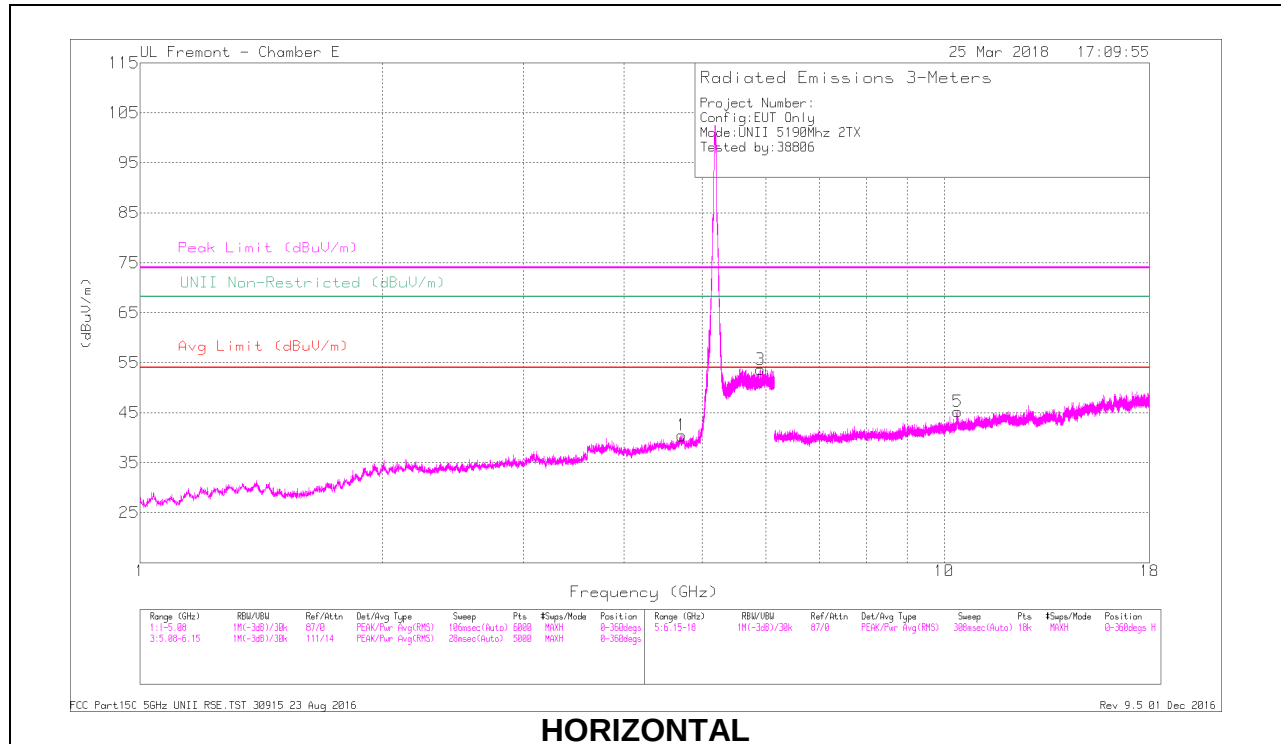


## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



## RADIATED EMISSIONS

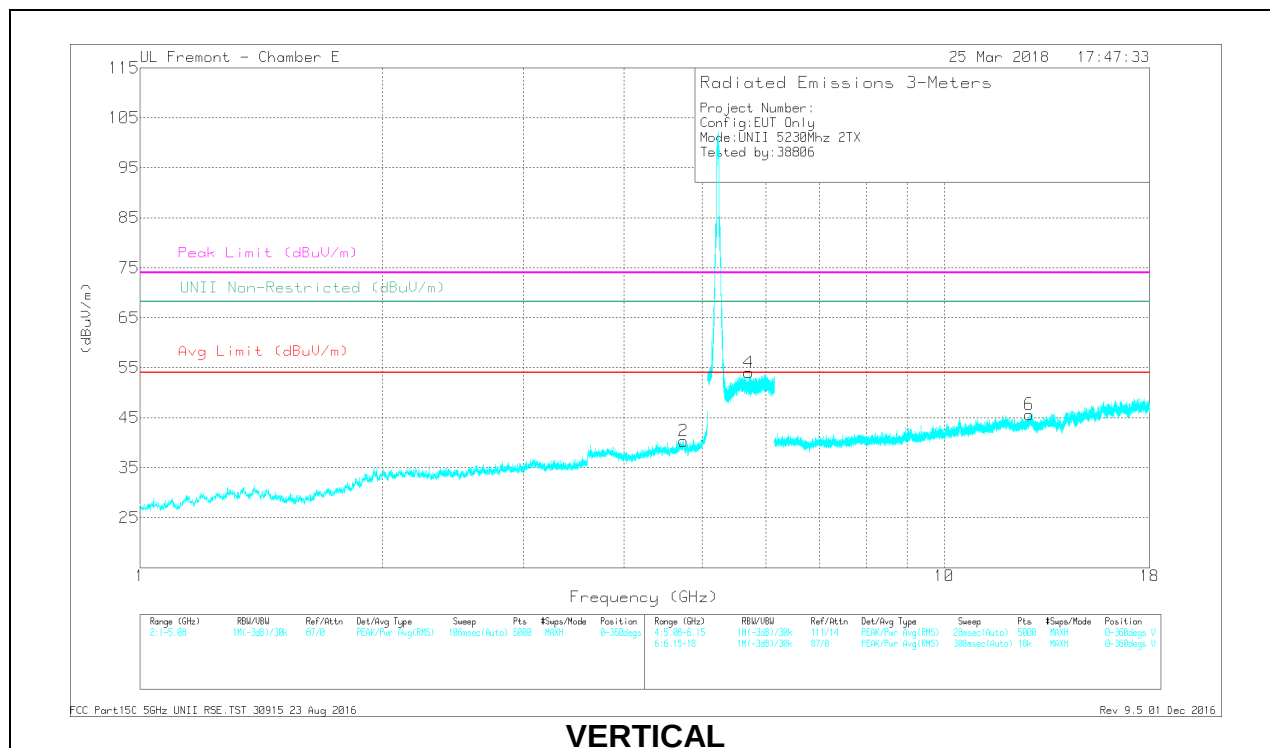
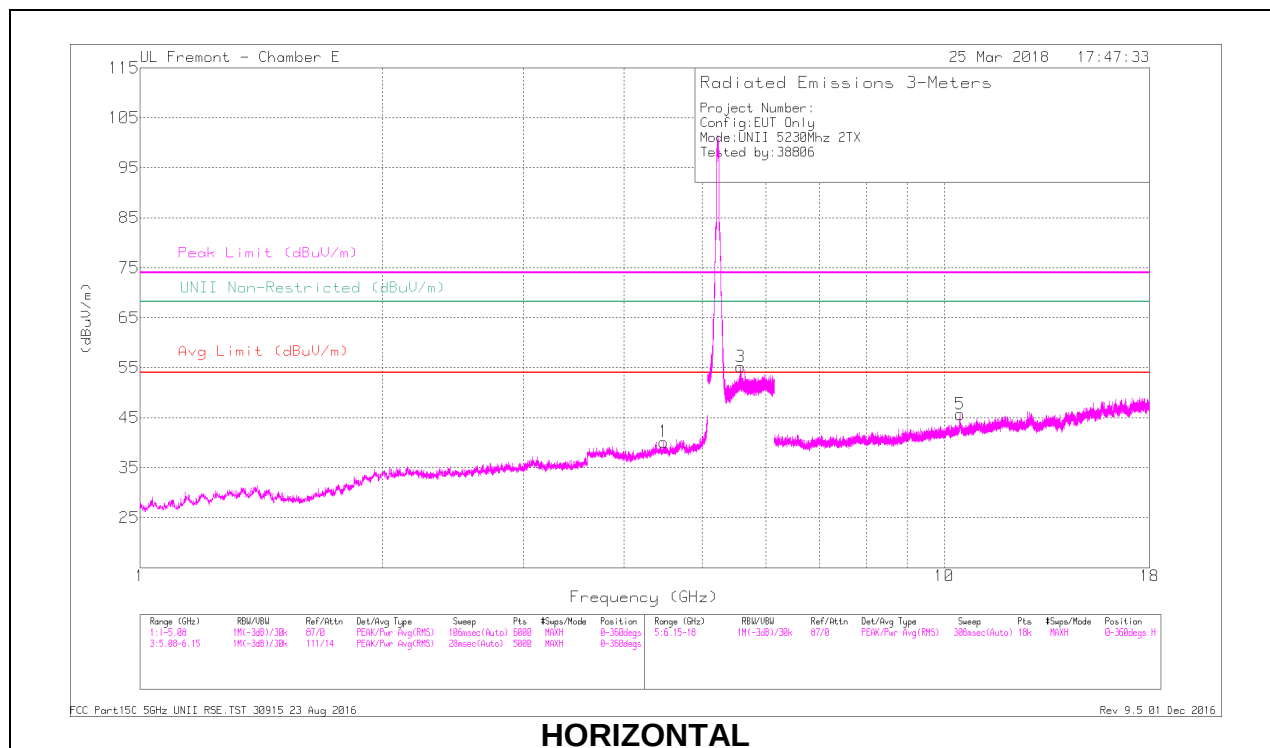
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T346 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 4.713         | 41.6                 | PK-U | 34.4           | -28.5                  | 0            | 47.5                       | -                  | -           | 74                  | -26.5          | -                            | -              | 5              | 349         | H        |
|        | * 4.712         | 29.19                | ADR  | 34.4           | -28.5                  | .1           | 35.19                      | 54                 | -18.81      | -                   | -              | -                            | -              | 5              | 349         | H        |
| 2      | * 4.825         | 40.41                | PK-U | 34.4           | -28.4                  | 0            | 46.41                      | -                  | -           | 74                  | -27.59         | -                            | -              | 188            | 104         | V        |
|        | * 4.826         | 28.3                 | ADR  | 34.4           | -28.4                  | .1           | 34.40                      | 54                 | -19.60      | -                   | -              | -                            | -              | 188            | 104         | V        |
| 3      | 5.91            | 45.28                | PK-U | 35.2           | -18.9                  | 0            | 61.58                      | -                  | -           | -                   | -              | 68.2                         | -6.62          | 189            | 271         | H        |
| 4      | 6.017           | 44.98                | PK-U | 35.4           | -18.6                  | 0            | 61.78                      | -                  | -           | -                   | -              | 68.2                         | -6.42          | 319            | 175         | V        |
| 5      | 10.395          | 35.17                | PK-U | 37.7           | -23.1                  | 0            | 49.77                      | -                  | -           | -                   | -              | 68.2                         | -18.43         | 262            | 157         | H        |
| 6      | * 9.495         | 36.11                | PK-U | 37.2           | -24                    | 0            | 49.31                      | -                  | -           | 74                  | -24.69         | -                            | -              | 202            | 263         | V        |
|        | * 9.495         | 23.05                | ADR  | 37.2           | -24                    | .1           | 36.35                      | 54                 | -17.65      | -                   | -              | -                            | -              | 202            | 263         | V        |

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

## HIGH CHANNEL RESULTS



## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T346 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | 4.483           | 42.14                | PK-U | 34.4           | -29.8                  | 0            | 46.74                      | -                  | -           | -                   | -              | 68.2                         | -21.46         | 0              | 101         | H        |
| 2      | * 4.742         | 41.87                | PK-U | 34.4           | -28.5                  | 0            | 47.77                      | -                  | -           | 74                  | -26.23         | -                            | -              | 30             | 400         | V        |
|        | * 4.742         | 30.09                | ADR  | 34.4           | -28.5                  | .1           | 36.09                      | 54                 | -17.91      | -                   | -              | -                            | -              | 30             | 400         | V        |
| 3      | 5.58            | 46                   | PK-U | 35             | -19                    | 0            | 62                         | -                  | -           | -                   | -              | 68.2                         | -6.2           | 212            | 213         | H        |
| 4      | 5.714           | 45.41                | PK-U | 35.1           | -19.2                  | 0            | 61.31                      | -                  | -           | -                   | -              | 68.2                         | -6.89          | 68             | 272         | V        |
| 5      | 10.472          | 38.23                | PK-U | 37.9           | -23.3                  | 0            | 52.83                      | -                  | -           | -                   | -              | 68.2                         | -15.37         | 196            | 113         | H        |
| 6      | 12.759          | 34.97                | PK-U | 39.7           | -23.6                  | 0            | 51.07                      | -                  | -           | -                   | -              | 68.2                         | -17.13         | 173            | 144         | V        |

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

PK-U - U-NII: Maximum Peak

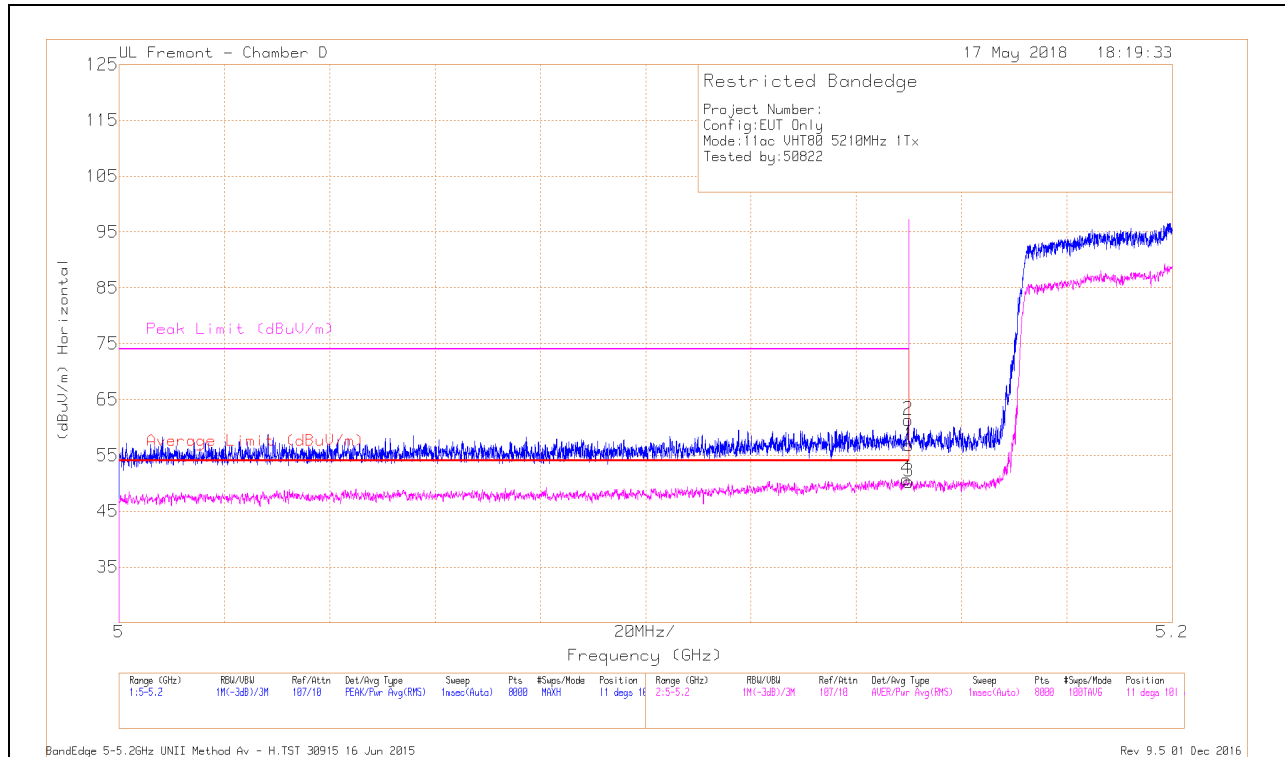
ADR - U-NII AD primary method, RMS average

## 9.1.2. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.2 GHz BAND

### 1TX Antenna 6 MODE

### BANDEDGE (MID CHANNEL)

### HORIZONTAL RESULT



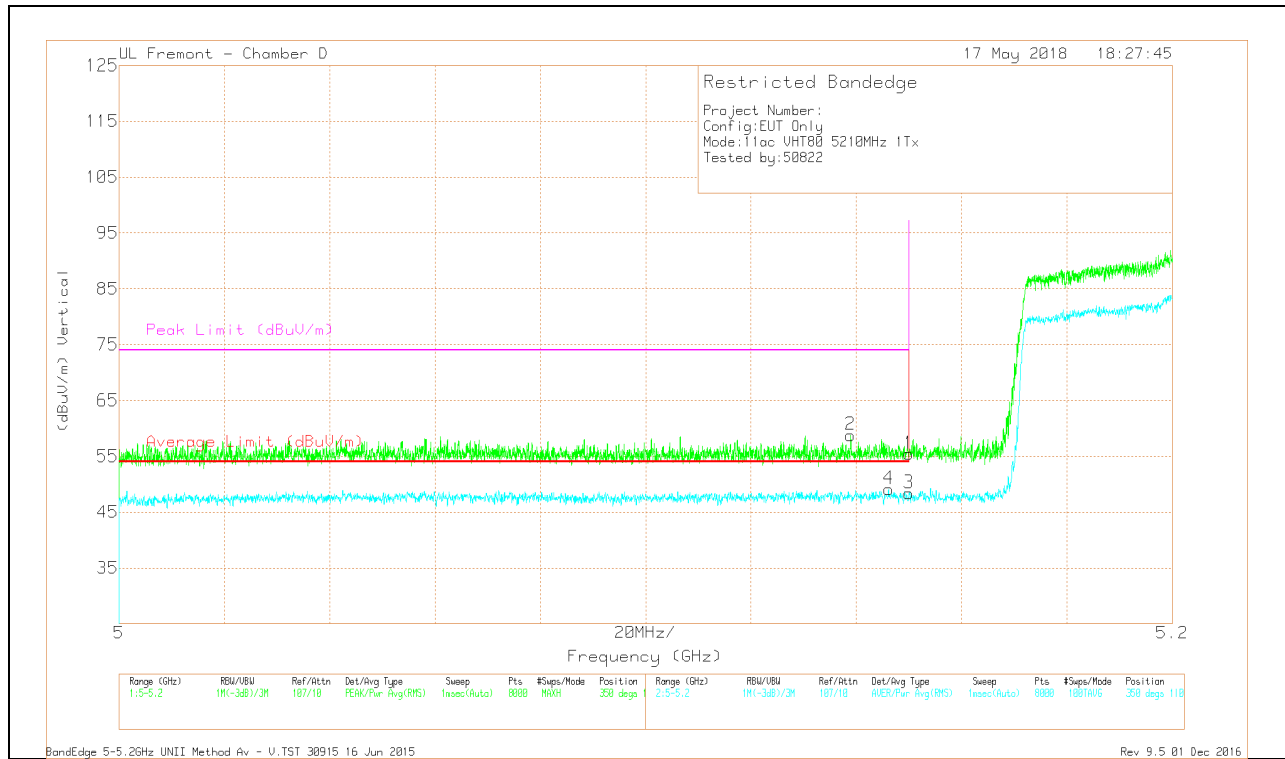
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/Cbl /Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.15          | 40.17                | Pk  | 34.6           | -18                   | 0            | 56.77                      | -                      | -           | 74                  | -17.23         | 11             | 101         | H        |
| 2      | * 5.15          | 44.77                | Pk  | 34.6           | -18                   | 0            | 61.37                      | -                      | -           | 74                  | -12.63         | 11             | 101         | H        |
| 3      | * 5.15          | 33.49                | RMS | 34.6           | -18                   | .19          | 50.28                      | 54                     | -3.72       | -                   | -              | 11             | 101         | H        |
| 4      | * 5.149         | 33.96                | RMS | 34.6           | -18                   | .19          | 50.75                      | 54                     | -3.25       | -                   | -              | 11             | 101         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/Cb/ Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|----------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 5.139         | 42.21                | Pk  | 34.6           | -18                  | 0            | 58.81                      | -                      | -           | 74                  | -15.19         | 350            | 110         | V        |
| 4      | * 5.146         | 32.36                | RMS | 34.6           | -18                  | .19          | 49.15                      | 54                     | -4.85       | -                   | -              | 350            | 110         | V        |
| 1      | * 5.15          | 38.84                | Pk  | 34.6           | -18                  | 0            | 55.44                      | -                      | -           | 74                  | -18.56         | 350            | 110         | V        |
| 3      | * 5.15          | 31.61                | RMS | 34.6           | -18                  | .19          | 48.4                       | 54                     | -5.6        | -                   | -              | 350            | 110         | V        |

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

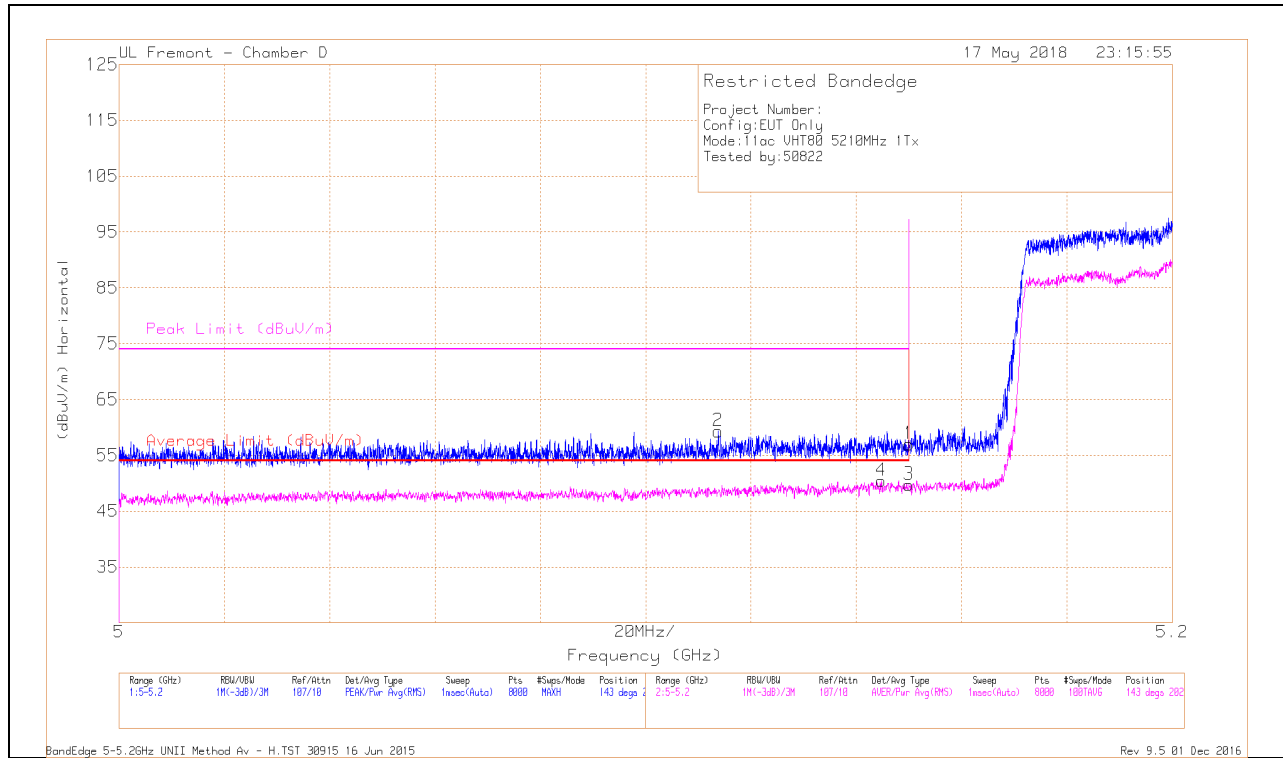
Pk - Peak detector

RMS - RMS detection

**1TX Antenna 5 MODE**

**BANDEDGE (MID CHANNEL)**

**HORIZONTAL RESULT**



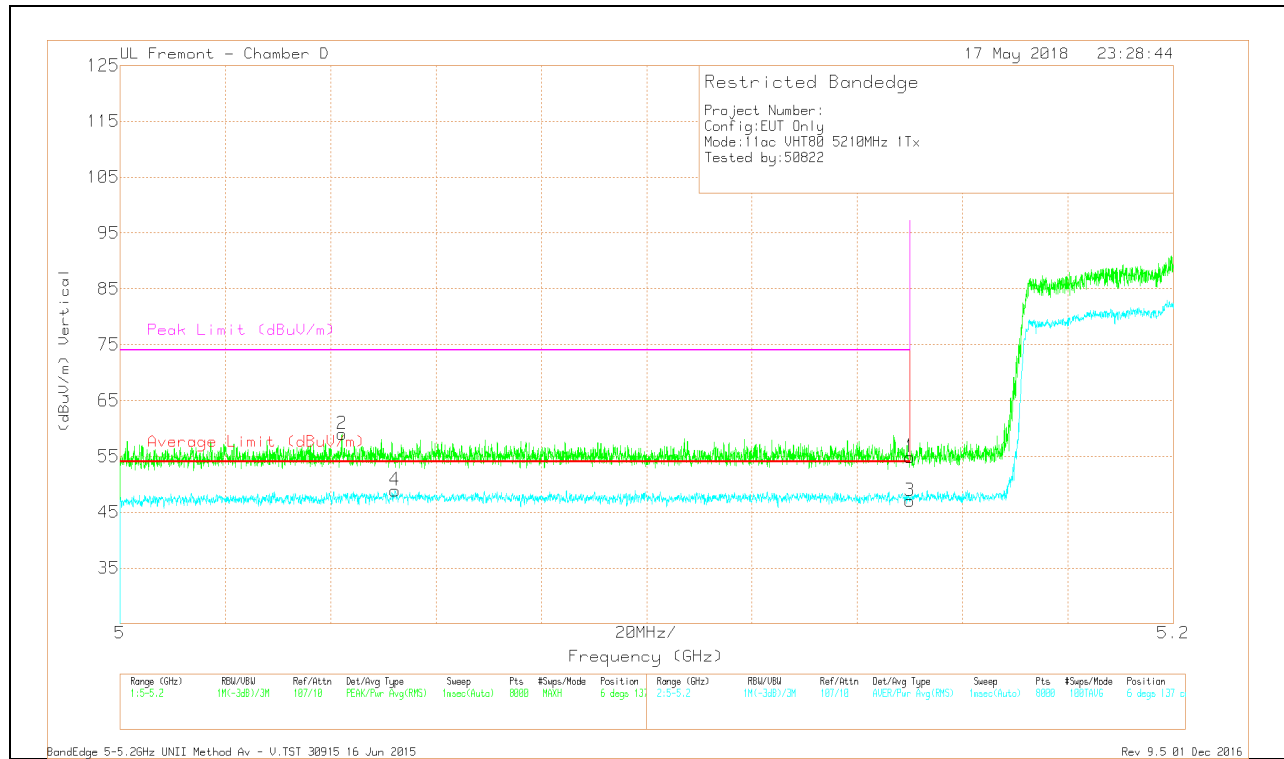
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/Cbl /Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.15          | 40.39                | Pk  | 34.6           | -18                   | 0            | 56.99                      | -                      | -           | 74                  | -17.01         | 143            | 202         | H        |
| 2      | * 5.114         | 42.72                | Pk  | 34.6           | -18                   | 0            | 59.32                      | -                      | -           | 74                  | -14.68         | 143            | 202         | H        |
| 3      | * 5.15          | 32.95                | RMS | 34.6           | -18                   | .19          | 49.74                      | 54                     | -4.26       | -                   | -              | 143            | 202         | H        |
| 4      | * 5.145         | 33.66                | RMS | 34.6           | -18                   | .19          | 50.45                      | 54                     | -3.55       | -                   | -              | 143            | 202         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT

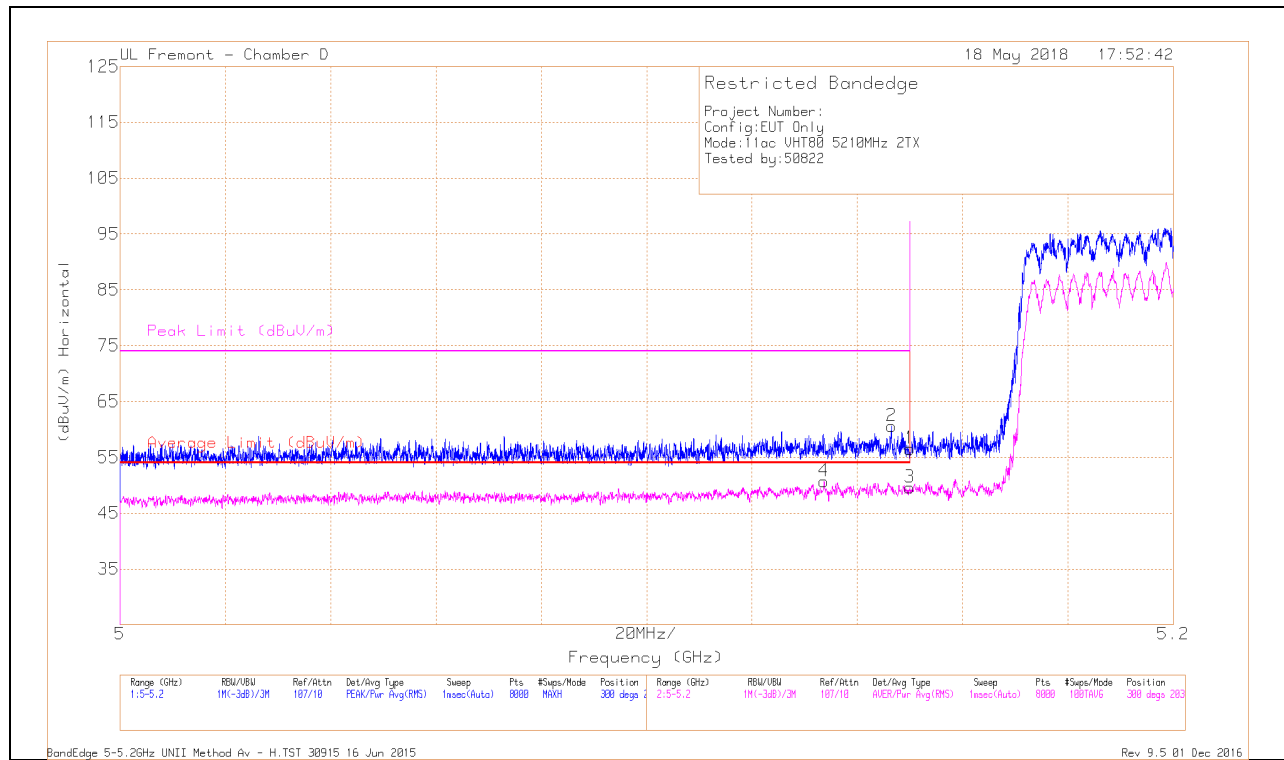


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/Cbl /Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.15          | 38.26                | Pk  | 34.6           | -18                   | 0            | 54.86                      | -                      | -           | 74                  | -19.14         | 6              | 137         | V        |
| 2      | * 5.042         | 42.21                | Pk  | 34.4           | -17.6                 | 0            | 59.01                      | -                      | -           | 74                  | -14.99         | 6              | 137         | V        |
| 3      | * 5.15          | 30.22                | RMS | 34.6           | -18                   | .19          | 47.01                      | 54                     | -6.99       | -                   | -              | 6              | 137         | V        |
| 4      | * 5.052         | 31.89                | RMS | 34.5           | -17.7                 | .19          | 48.88                      | 54                     | -5.12       | -                   | -              | 6              | 137         | V        |

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

Pk - Peak detector

RMS - RMS detection

**2TX Antenna 6 + Antenna 5 CDD MODE****BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

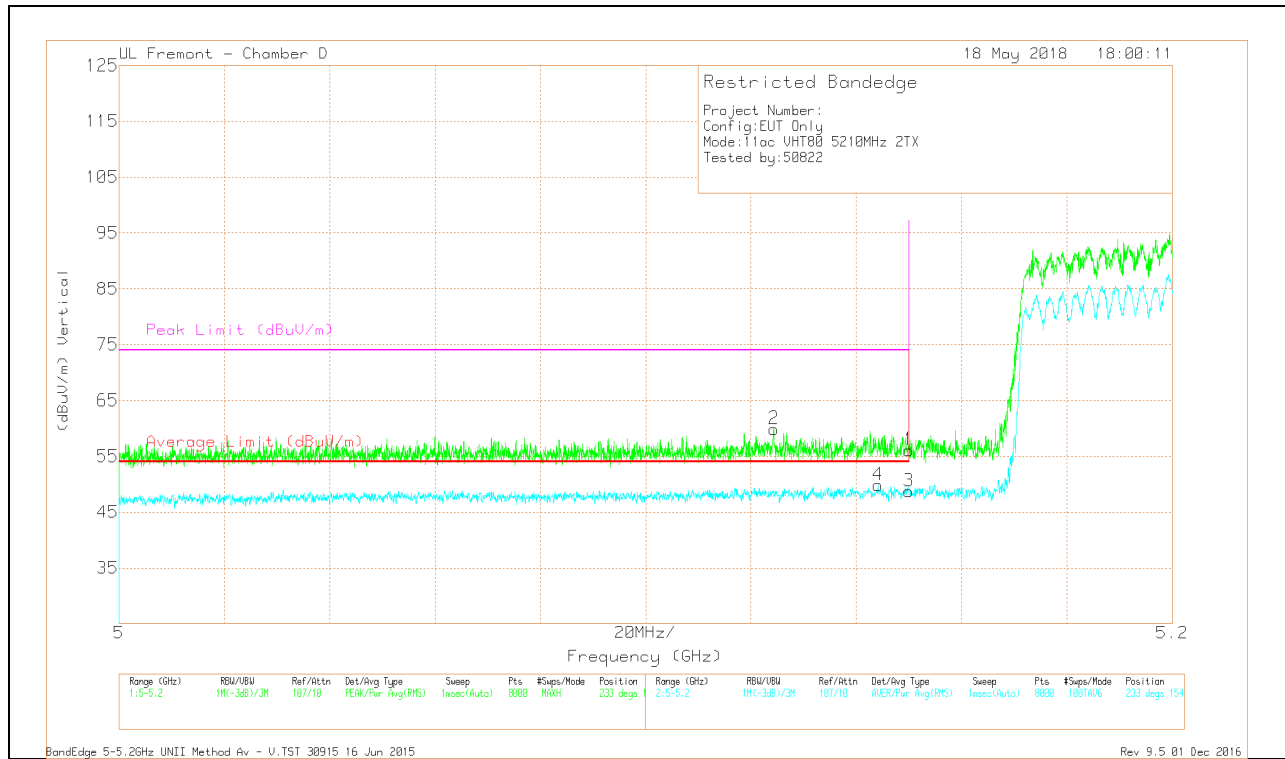
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/Cbl /Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.15          | 39.91                | Pk  | 34.6           | -18                   | 0            | 56.51                      | -                      | -           | 74                  | -17.49         | 300            | 203         | H        |
| 2      | * 5.146         | 43.97                | Pk  | 34.6           | -18                   | 0            | 60.57                      | -                      | -           | 74                  | -13.43         | 300            | 203         | H        |
| 3      | * 5.15          | 32.81                | RMS | 34.6           | -18                   | .19          | 49.6                       | 54                     | -4.4        | -                   | -              | 300            | 203         | H        |
| 4      | * 5.134         | 33.88                | RMS | 34.6           | -18                   | .19          | 50.67                      | 54                     | -3.33       | -                   | -              | 300            | 203         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/Cbl /Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.15          | 39.49                | Pk  | 34.6           | -18                   | 0            | 56.09                      | -                      | -           | 74                  | -17.91         | 233            | 154         | V        |
| 2      | * 5.124         | 43.27                | Pk  | 34.6           | -18                   | 0            | 59.87                      | -                      | -           | 74                  | -14.13         | 233            | 154         | V        |
| 3      | * 5.15          | 31.93                | RMS | 34.6           | -18                   | .19          | 48.72                      | 54                     | -5.28       | -                   | -              | 233            | 154         | V        |
| 4      | * 5.144         | 33.06                | RMS | 34.6           | -18                   | .19          | 49.85                      | 54                     | -4.15       | -                   | -              | 233            | 154         | V        |

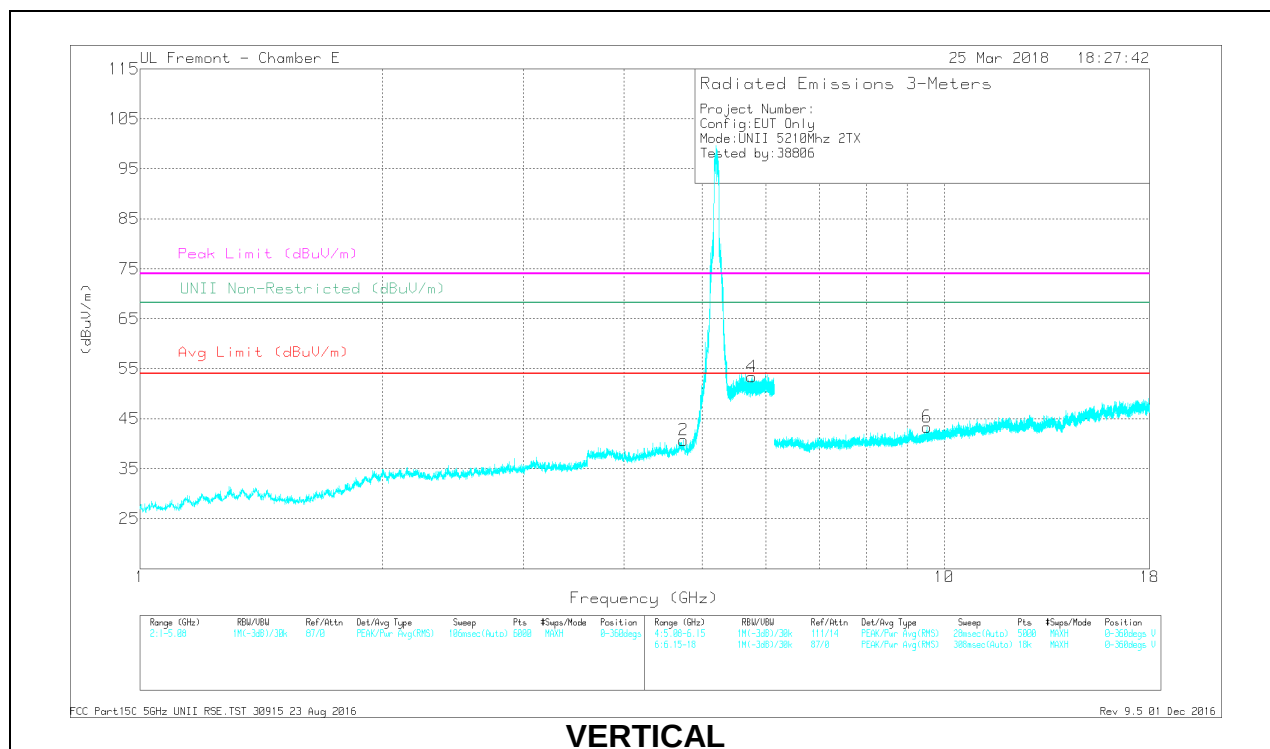
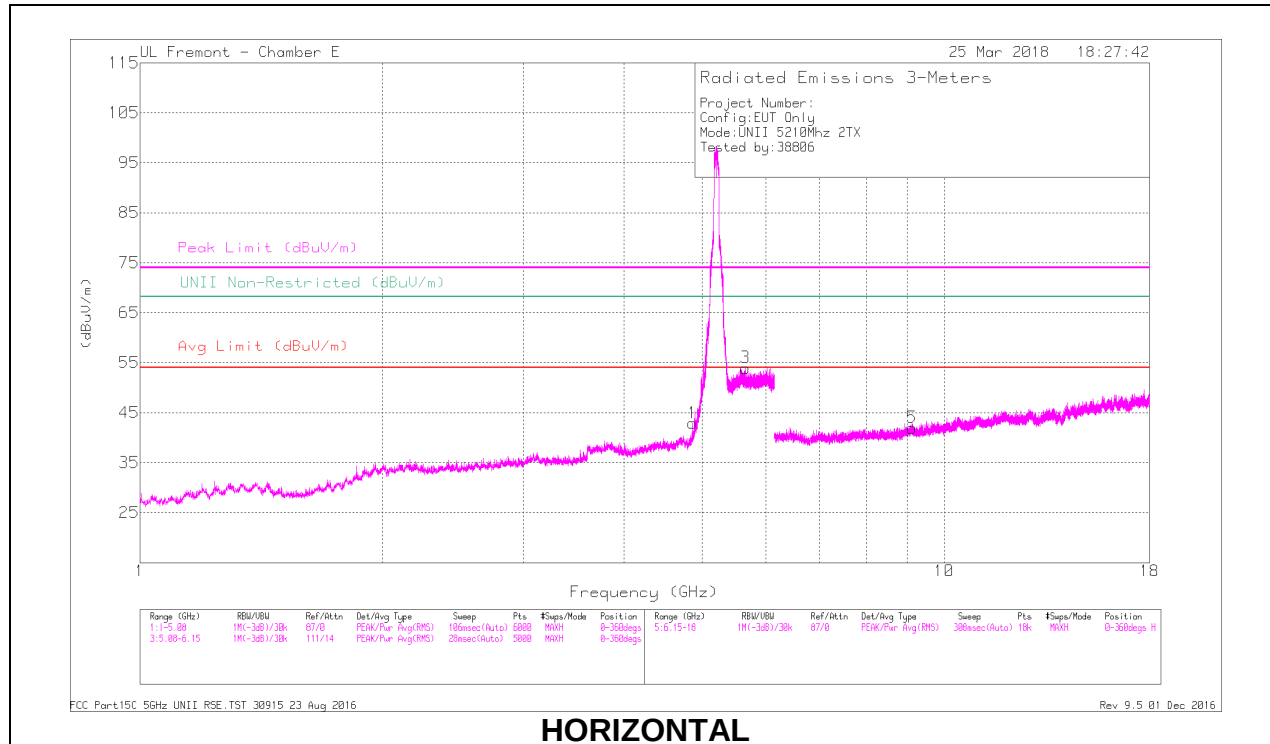
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### MID CHANNEL RESULTS



## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T346 (dB/m) | Amp/Cbl/Filt/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 4.866         | 44.78                | PK-U | 34.5           | -28.8                 | 0            | 50.48                      | -                  | -           | 74                  | -23.52         | -                            | -              | 244            | 139         | H        |
|        | * 4.868         | 29.82                | ADR  | 34.5           | -28.9                 | .19          | 35.61                      | 54                 | -18.39      | -                   | -              | -                            | -              | 244            | 139         | H        |
| 2      | * 4.739         | 42.56                | PK-U | 34.4           | -28.4                 | 0            | 48.56                      | -                  | -           | 74                  | -25.44         | -                            | -              | 15             | 127         | V        |
|        | * 4.741         | 30.08                | ADR  | 34.4           | -28.4                 | .19          | 36.27                      | 54                 | -17.73      | -                   | -              | -                            | -              | 15             | 127         | V        |
| 3      | 5.658           | 46.3                 | PK-U | 35.1           | -19.1                 | 0            | 62.3                       | -                  | -           | -                   | -              | 68.2                         | -5.9           | 167            | 164         | H        |
| 4      | 5.765           | 44.6                 | PK-U | 35.2           | -19.1                 | 0            | 60.7                       | -                  | -           | -                   | -              | 68.2                         | -7.5           | 360            | 372         | V        |
| 5      | * 9.113         | 37.1                 | PK-U | 37.1           | -25.1                 | 0            | 49.1                       | -                  | -           | 74                  | -24.9          | -                            | -              | 51             | 162         | H        |
|        | * 9.114         | 24.67                | ADR  | 37.1           | -25.1                 | .19          | 36.86                      | 54                 | -17.14      | -                   | -              | -                            | -              | 51             | 162         | H        |
| 6      | 9.515           | 36.68                | PK-U | 37.2           | -23.9                 | 0            | 49.98                      | -                  | -           | -                   | -              | 68.2                         | -18.22         | 116            | 165         | V        |

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

PK-U - U-NII: Maximum Peak

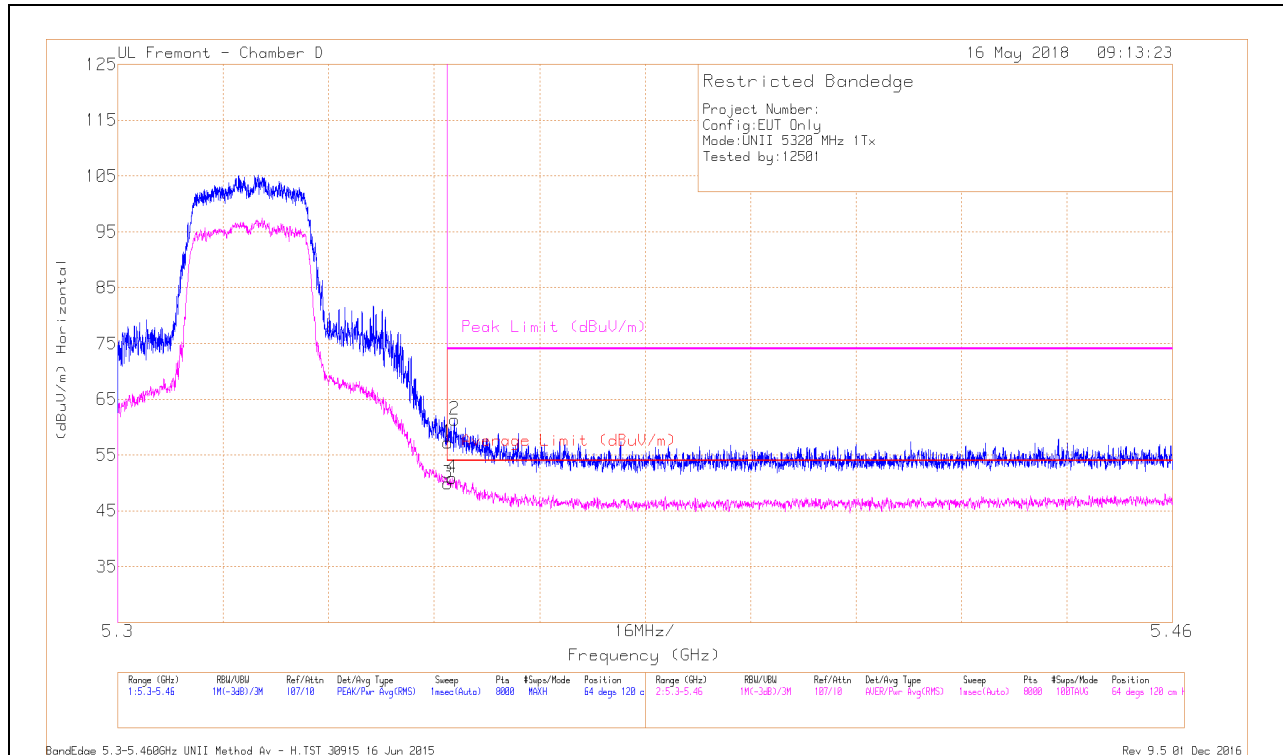
ADR - U-NII AD primary method, RMS average

### 9.1.3. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.3 GHz BAND

#### 1TX Antenna 6 MODE

#### BANDEDGE (HIGH CHANNEL)

#### HORIZONTAL RESULT



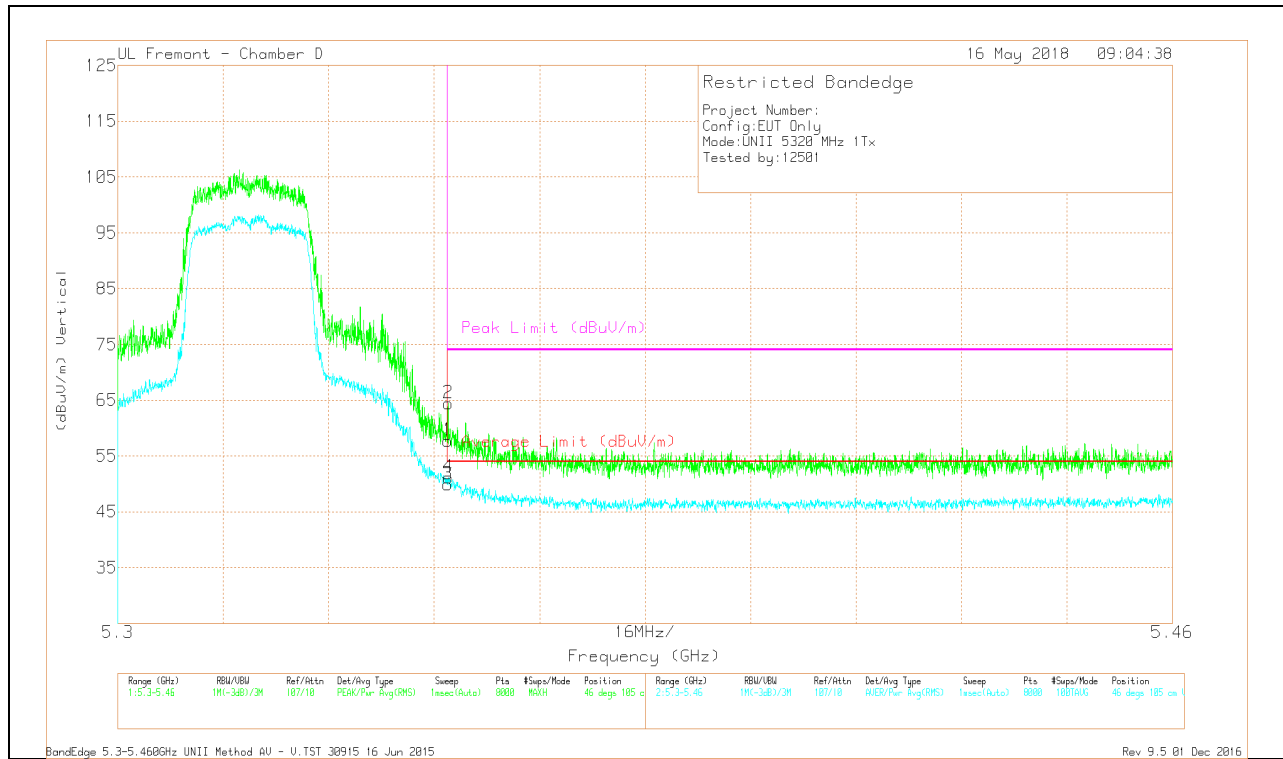
| Marker | Frequenc<br>y (GHz) | Meter<br>Reading<br>(dBuV) | Det | AF T136 (dB/m) | Ampl/Cbl/Filtr/Pad<br>(dB) | Correcte<br>d Reading<br>(dBuV/m) | Average Limit<br>(dBuV/m) | Margin<br>(dB) | Peak Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|---------------------|----------------------------|-----|----------------|----------------------------|-----------------------------------|---------------------------|----------------|------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 5.35              | 40.3                       | Pk  | 34.9           | -17.9                      | 57.3                              | -                         | -              | 74                     | -16.7                | 64                | 120            | H        |
| 3      | * 5.35              | 32.87                      | RMS | 34.9           | -17.9                      | 49.87                             | 54                        | -4.13          | -                      | -                    | 64                | 120            | H        |
| 2      | * 5.351             | 44.36                      | Pk  | 34.9           | -17.9                      | 61.36                             | -                         | -              | 74                     | -12.64               | 64                | 120            | H        |
| 4      | * 5.351             | 33.88                      | RMS | 34.9           | -17.9                      | 50.88                             | 54                        | -3.12          | -                      | -                    | 64                | 120            | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dBm) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.35          | 40.78                | Pk  | 34.9          | -17.9                  | 57.78                      | -                      | -           | 74                  | -16.22         | 46             | 105         | V        |
| 2      | * 5.35          | 47.45                | Pk  | 34.9          | -17.9                  | 64.45                      | -                      | -           | 74                  | -9.55          | 46             | 105         | V        |
| 3      | * 5.35          | 32.89                | RMS | 34.9          | -17.9                  | 49.89                      | 54                     | -4.11       | -                   | -              | 46             | 105         | V        |
| 4      | * 5.35          | 34.18                | RMS | 34.9          | -17.9                  | 51.18                      | 54                     | -2.82       | -                   | -              | 46             | 105         | V        |

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

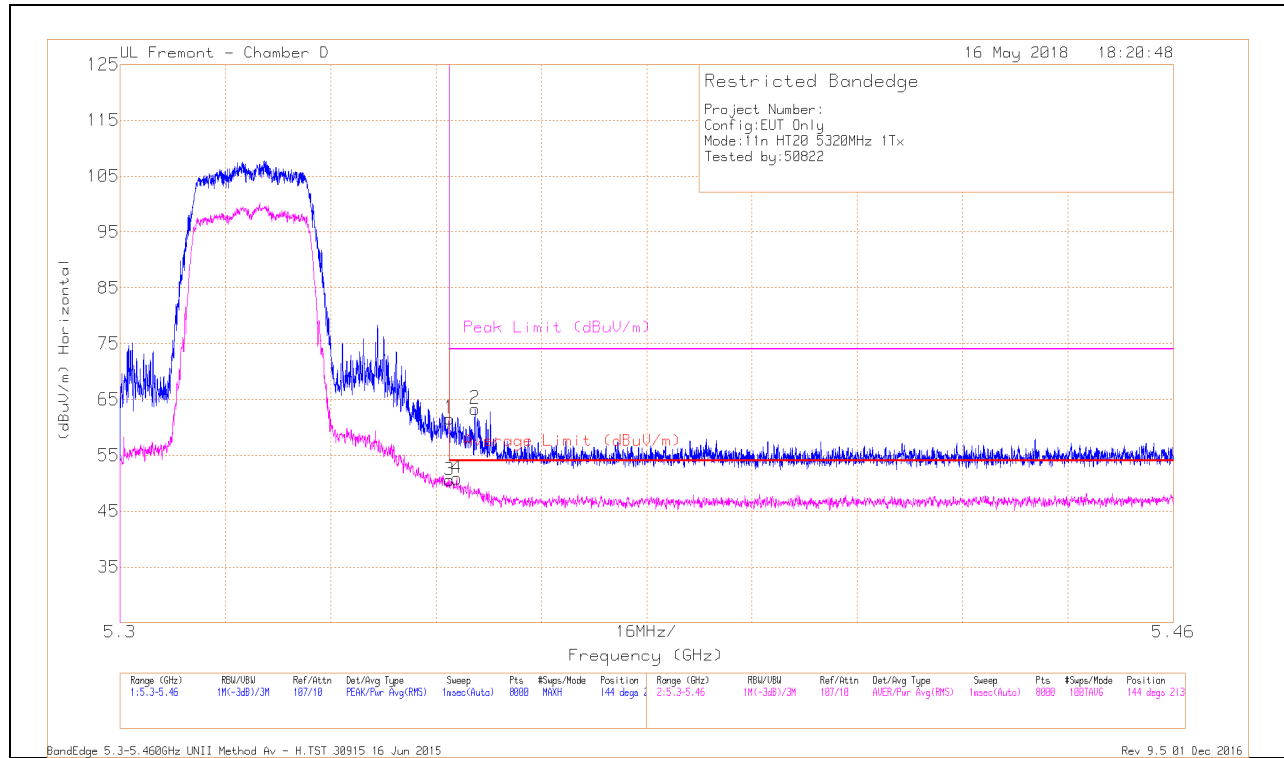
Pk - Peak detector

RMS - RMS detection

**1TX Antenna 5 MODE**

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



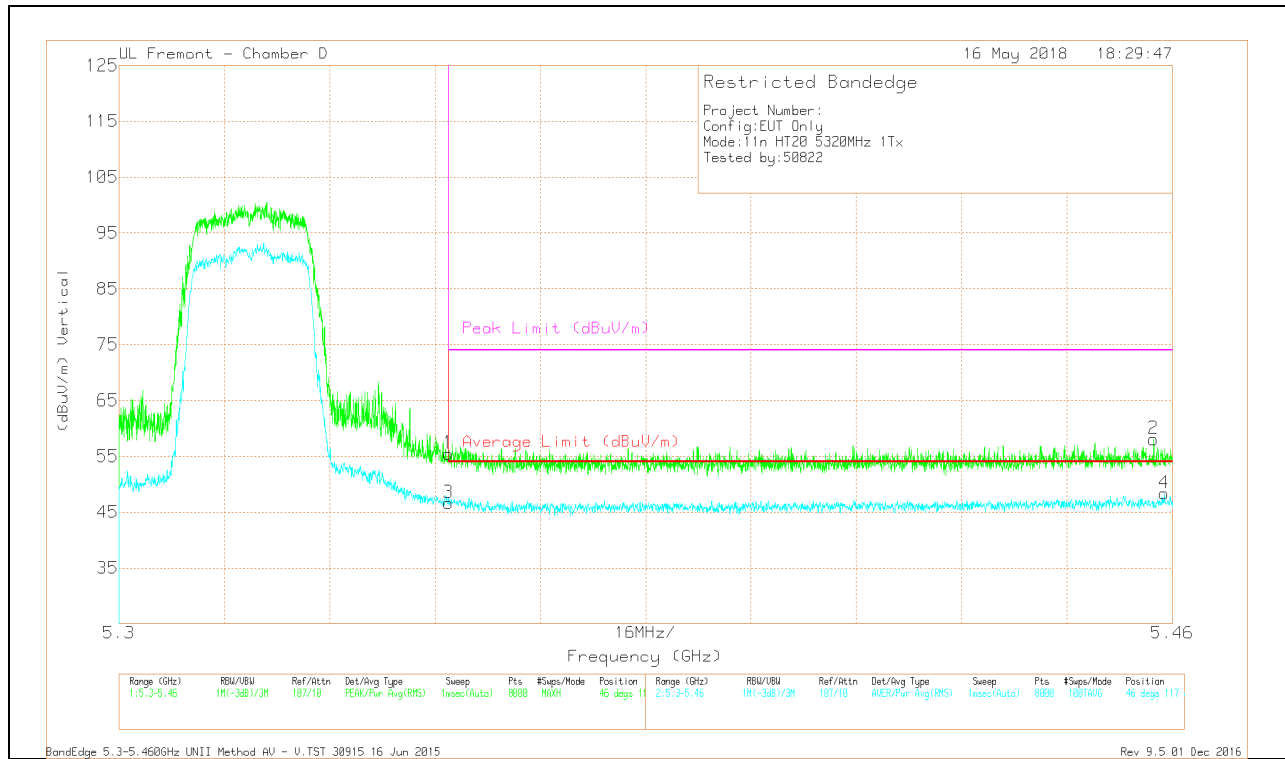
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Ampl/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.35          | 44.59                | Pk  | 34.9           | -17.9                   | 61.59                      | -                      | -           | 74                  | -12.41         | 144            | 213         | H        |
| 2      | * 5.354         | 46.42                | Pk  | 34.9           | -18                     | 63.32                      | -                      | -           | 74                  | -10.68         | 144            | 213         | H        |
| 3      | * 5.35          | 33.55                | RMS | 34.9           | -17.9                   | 50.55                      | 54                     | -3.45       | -                   | -              | 144            | 213         | H        |
| 4      | * 5.351         | 33.89                | RMS | 34.9           | -17.9                   | 50.89                      | 54                     | -3.11       | -                   | -              | 144            | 213         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT

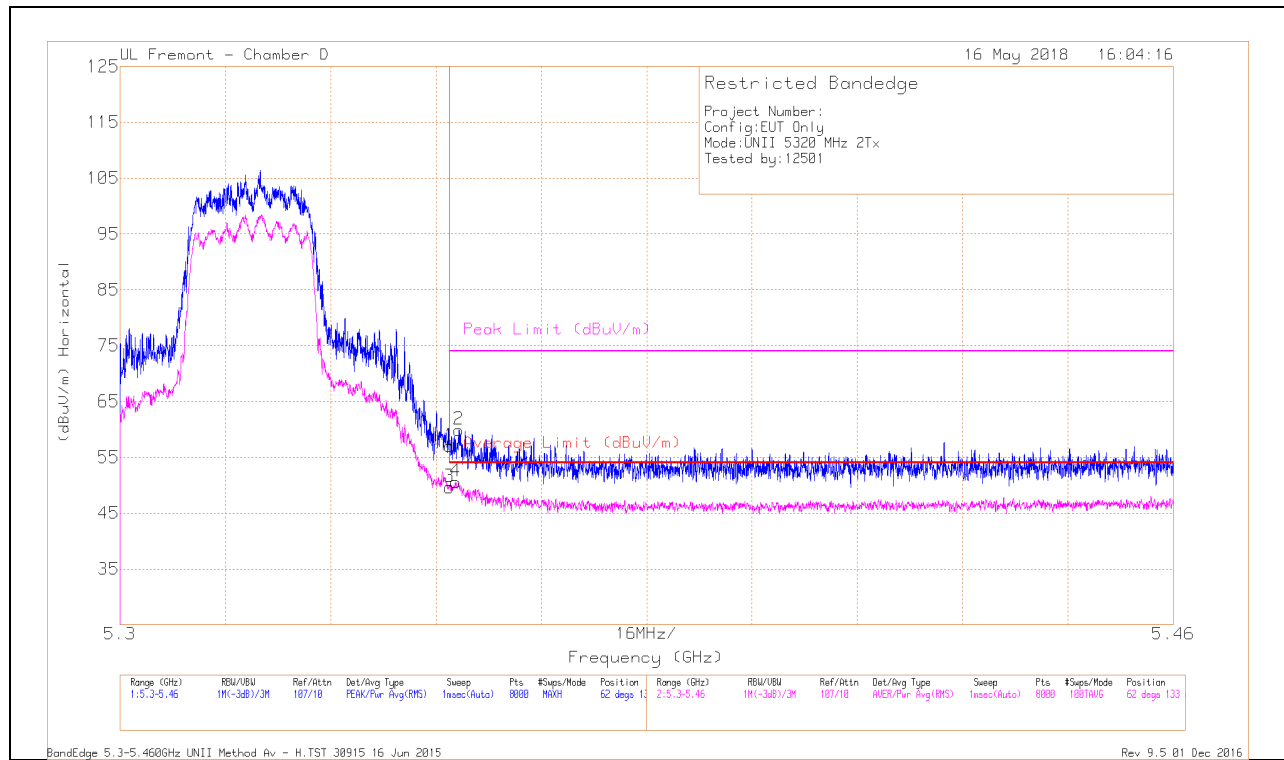


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dBm) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.35          | 38.48                | Pk  | 34.9          | -17.9                  | 55.48                      | -                      | -           | 74                  | -18.52         | 46             | 117         | V        |
| 3      | * 5.35          | 29.65                | RMS | 34.9          | -17.9                  | 46.65                      | 54                     | -7.35       | -                   | -              | 46             | 117         | V        |
| 2      | * 5.457         | 40.79                | Pk  | 34.9          | -17.6                  | 58.09                      | -                      | -           | 74                  | -15.91         | 46             | 117         | V        |
| 4      | * 5.459         | 31.06                | RMS | 34.9          | -17.6                  | 48.36                      | 54                     | -5.64       | -                   | -              | 46             | 117         | V        |

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

Pk - Peak detector

RMS - RMS detection

**2TX Antenna 6 + Antenna 5 CDD MODE****BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

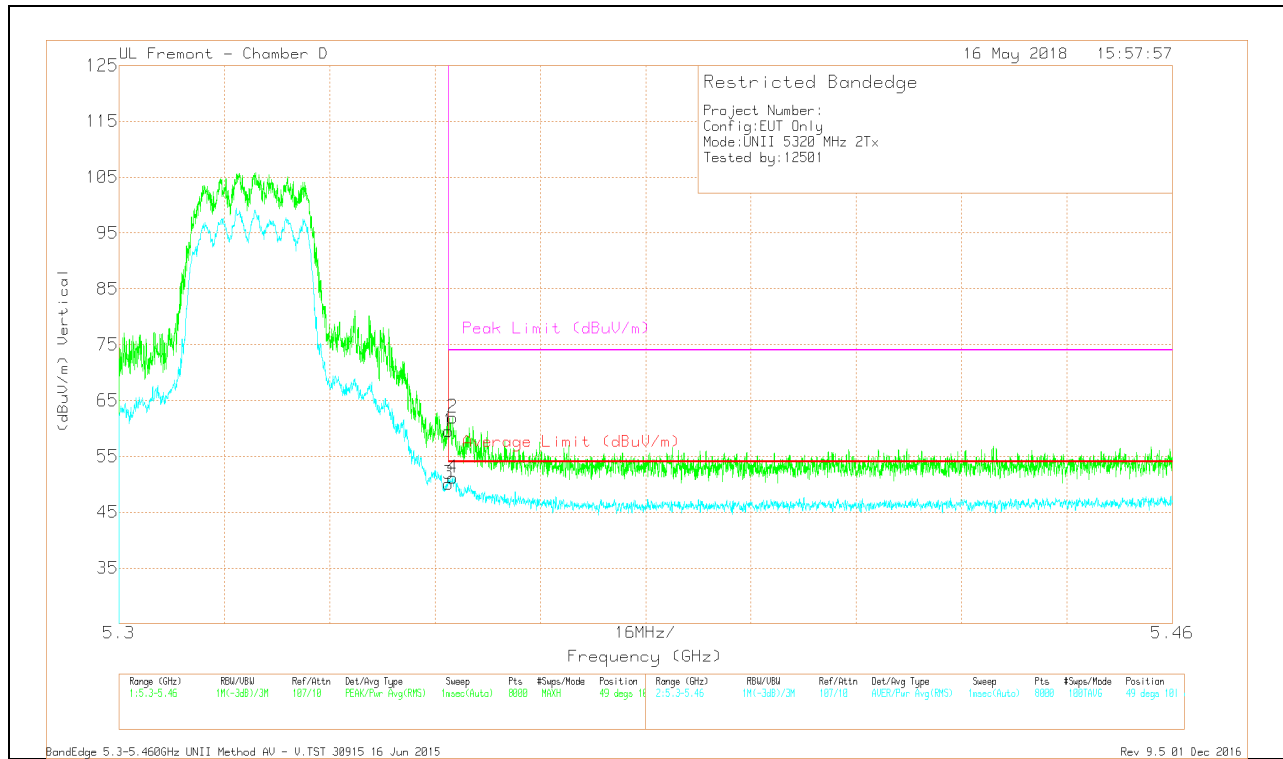
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.35          | 40.03                | Pk  | 34.9           | -17.9                  | 57.03                      | -                      | -           | 74                  | -16.97         | 62             | 133         | H        |
| 3      | * 5.35          | 32.66                | RMS | 34.9           | -17.9                  | 49.66                      | 54                     | -4.34       | -                   | -              | 62             | 133         | H        |
| 2      | * 5.351         | 42.92                | Pk  | 34.9           | -17.9                  | 59.92                      | -                      | -           | 74                  | -14.08         | 62             | 133         | H        |
| 4      | * 5.351         | 33.63                | RMS | 34.9           | -17.9                  | 50.63                      | 54                     | -3.37       | -                   | -              | 62             | 133         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Ampl/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.35          | 42.47                | Pk  | 34.9           | -17.9                   | 59.47                      | -                      | -           | 74                  | -14.53         | 49             | 101         | V        |
| 2      | * 5.351         | 44.97                | Pk  | 34.9           | -17.9                   | 61.97                      | -                      | -           | 74                  | -12.03         | 49             | 101         | V        |
| 3      | * 5.35          | 33.12                | RMS | 34.9           | -17.9                   | 50.12                      | 54                     | -3.88       | -                   | -              | 49             | 101         | V        |
| 4      | * 5.351         | 34.17                | RMS | 34.9           | -17.9                   | 51.17                      | 54                     | -2.83       | -                   | -              | 49             | 101         | V        |

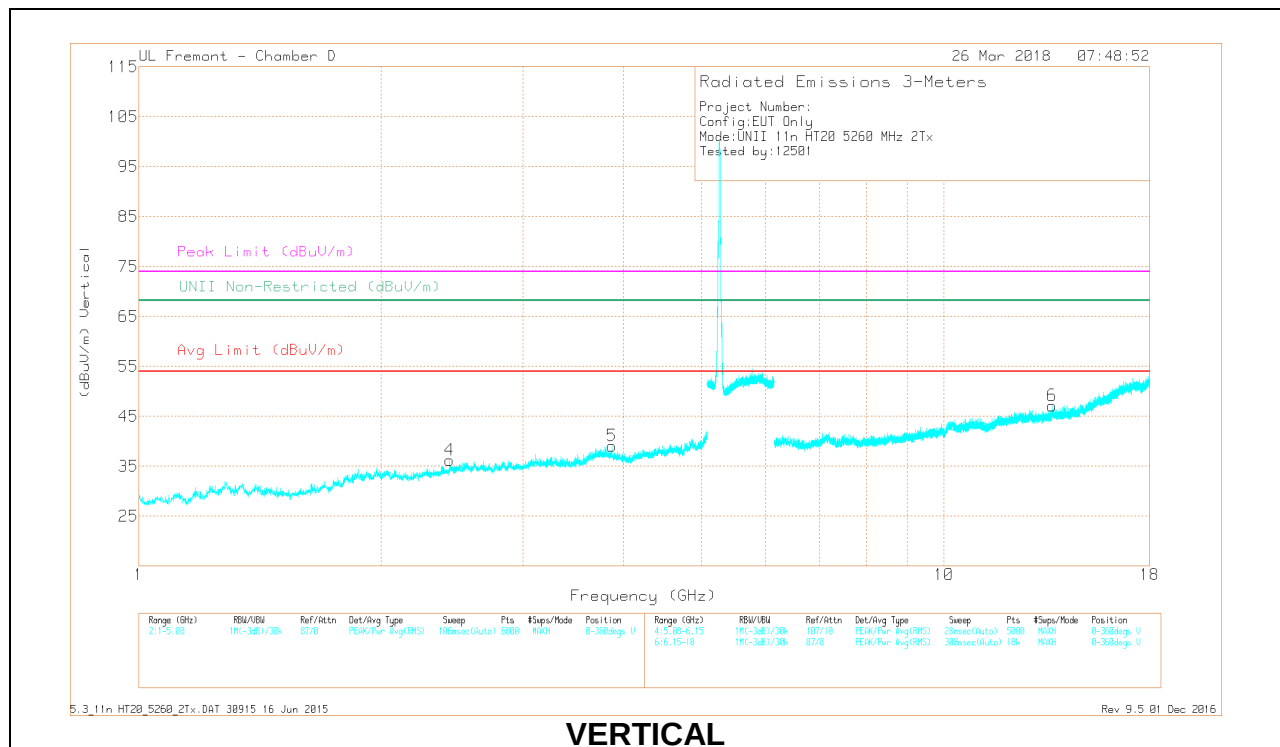
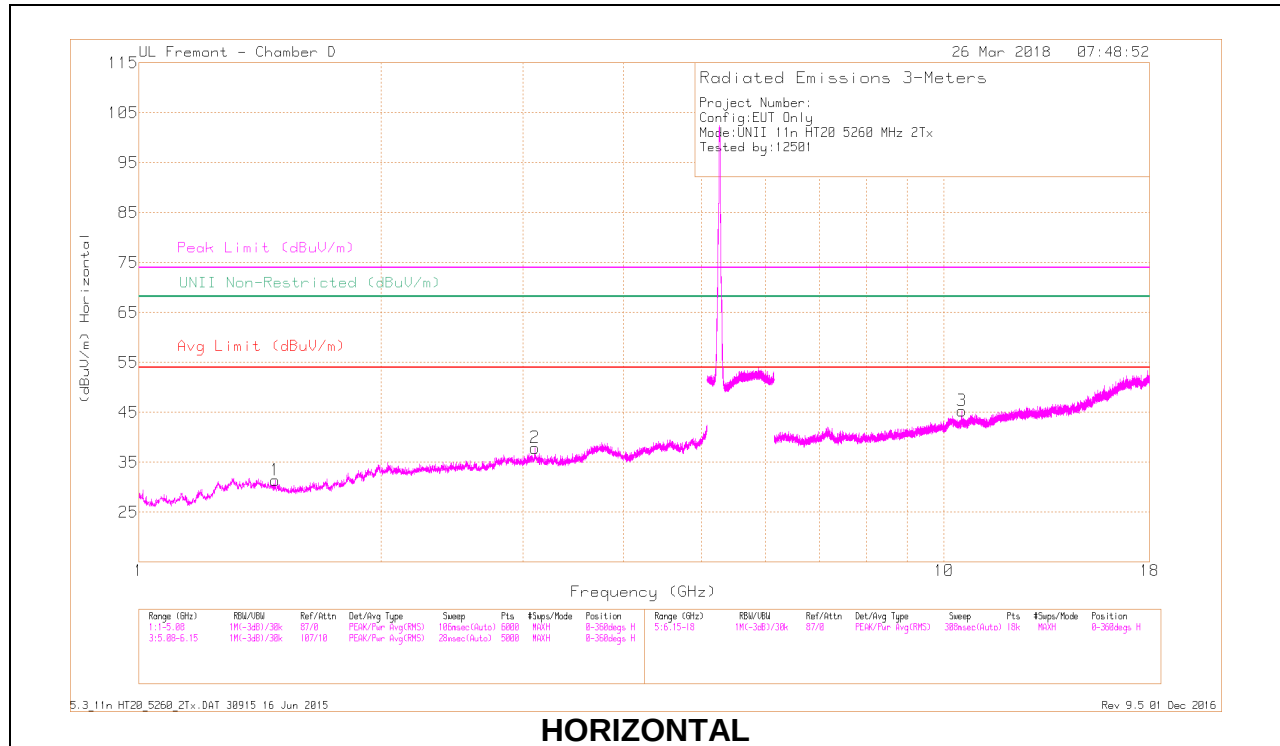
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



## RADIATED EMISSIONS

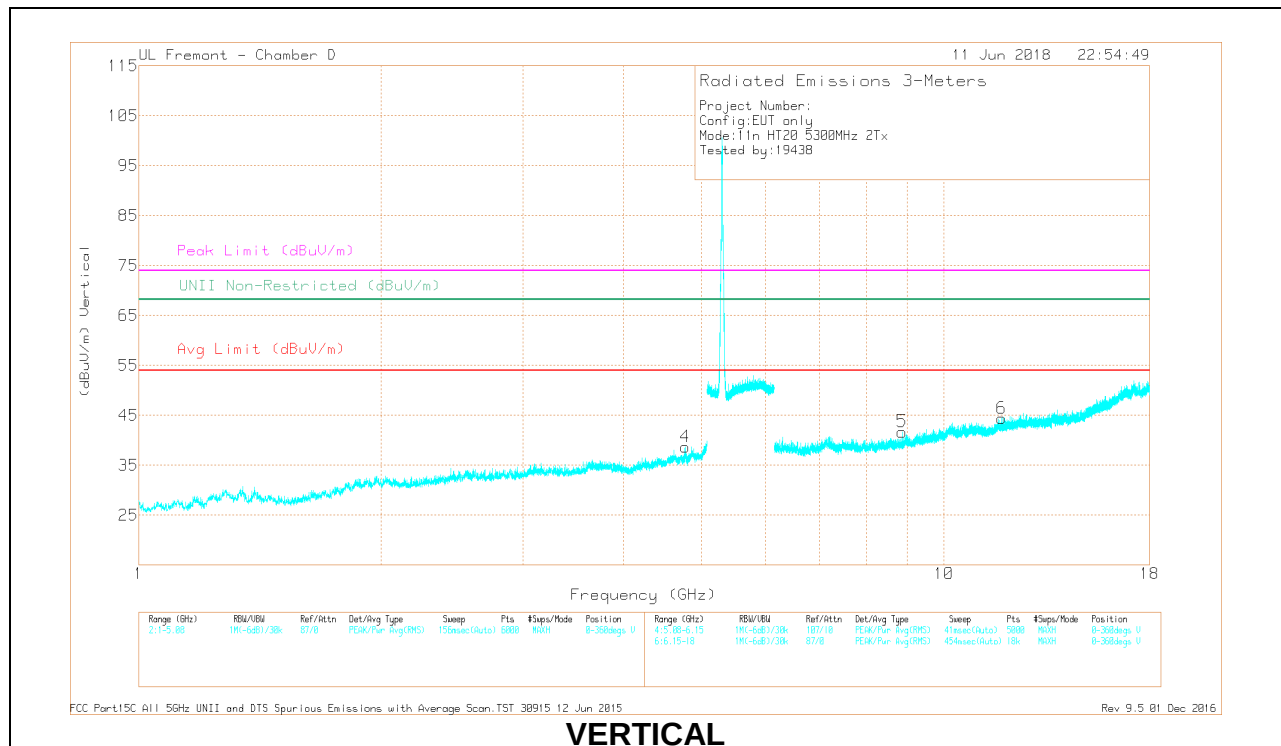
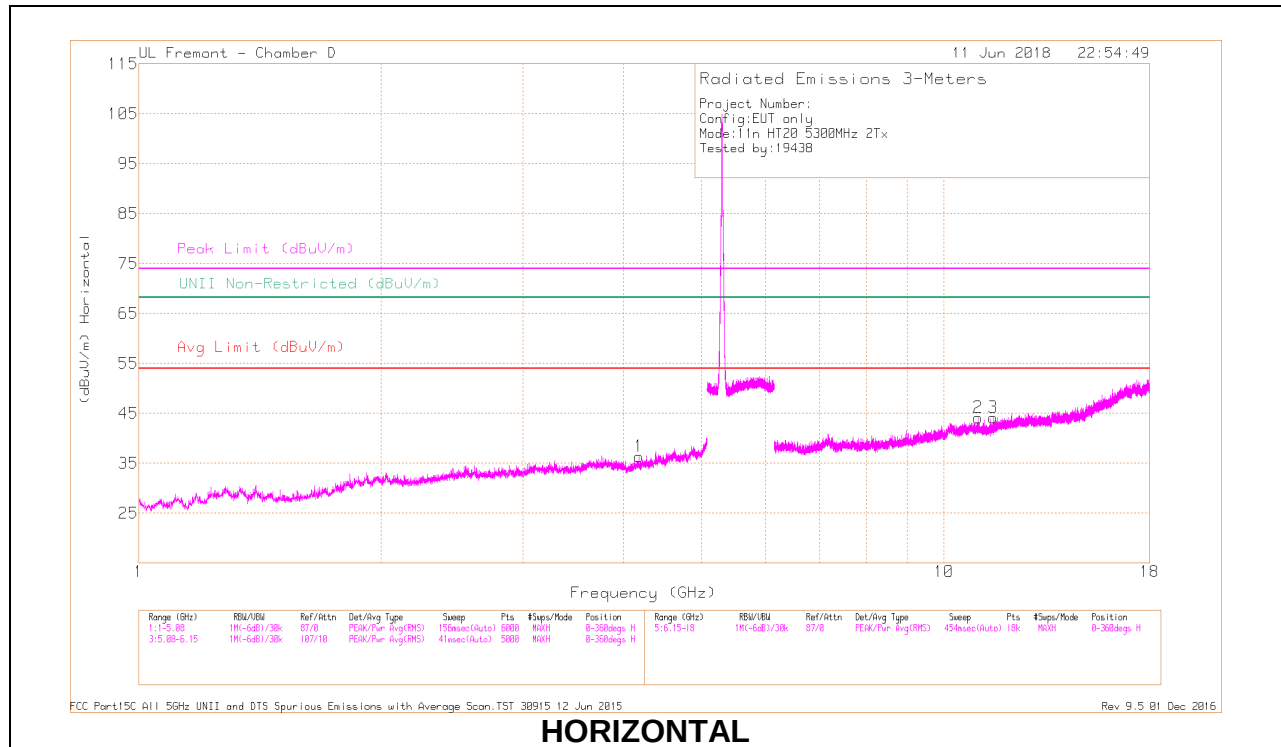
| Markers | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T136 (dBm) | Amp/CbIf/Ittr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m) | Avg Limit<br>(dBuV/m) | Margin<br>(dB) | Peak Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | UNII Non-<br>Restricted<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|---------|------------------------|----------------------------|------|---------------|---------------------------|--------------------------------------|-----------------------|----------------|------------------------|----------------------|-------------------------------------|----------------------|-------------------|----------------|----------|
| 1       | * 1.477                | 40.92                      | PK-U | 28.2          | -31.3                     | 37.82                                | -                     | -              | 74                     | -36.18               | -                                   | -                    | 54                | 325            | H        |
|         | * 1.477                | 28.59                      | ADR  | 28.2          | -31.3                     | 25.49                                | 54                    | -28.51         | -                      | -                    | -                                   | -                    | 54                | 325            | H        |
| 5       | * 3.867                | 39.04                      | PK-U | 33.6          | -28.7                     | 43.94                                | -                     | -              | 74                     | -30.06               | -                                   | -                    | 355               | 392            | V        |
|         | * 3.867                | 27.12                      | ADR  | 33.6          | -28.6                     | 32.12                                | 54                    | -21.88         | -                      | -                    | -                                   | -                    | 355               | 392            | V        |
| 4       | 2.433                  | 40.32                      | PK-U | 32.2          | -30.4                     | 42.12                                | -                     | -              | -                      | -                    | 68.2                                | -26.08               | 61                | 130            | V        |
| 2       | 3.103                  | 40.04                      | PK-U | 33.1          | -28.3                     | 44.84                                | -                     | -              | -                      | -                    | 68.2                                | -23.36               | 295               | 184            | H        |
| 3       | 10.519                 | 35.79                      | PK-U | 37.6          | -20.8                     | 52.59                                | -                     | -              | -                      | -                    | 68.2                                | -15.61               | 69                | 144            | H        |
| 6       | 13.617                 | 36.05                      | PK-U | 39.1          | -22.1                     | 53.05                                | -                     | -              | -                      | -                    | 68.2                                | -15.15               | 356               | 123            | V        |

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

## MID CHANNEL RESULTS



## RADIATED EMISSIONS

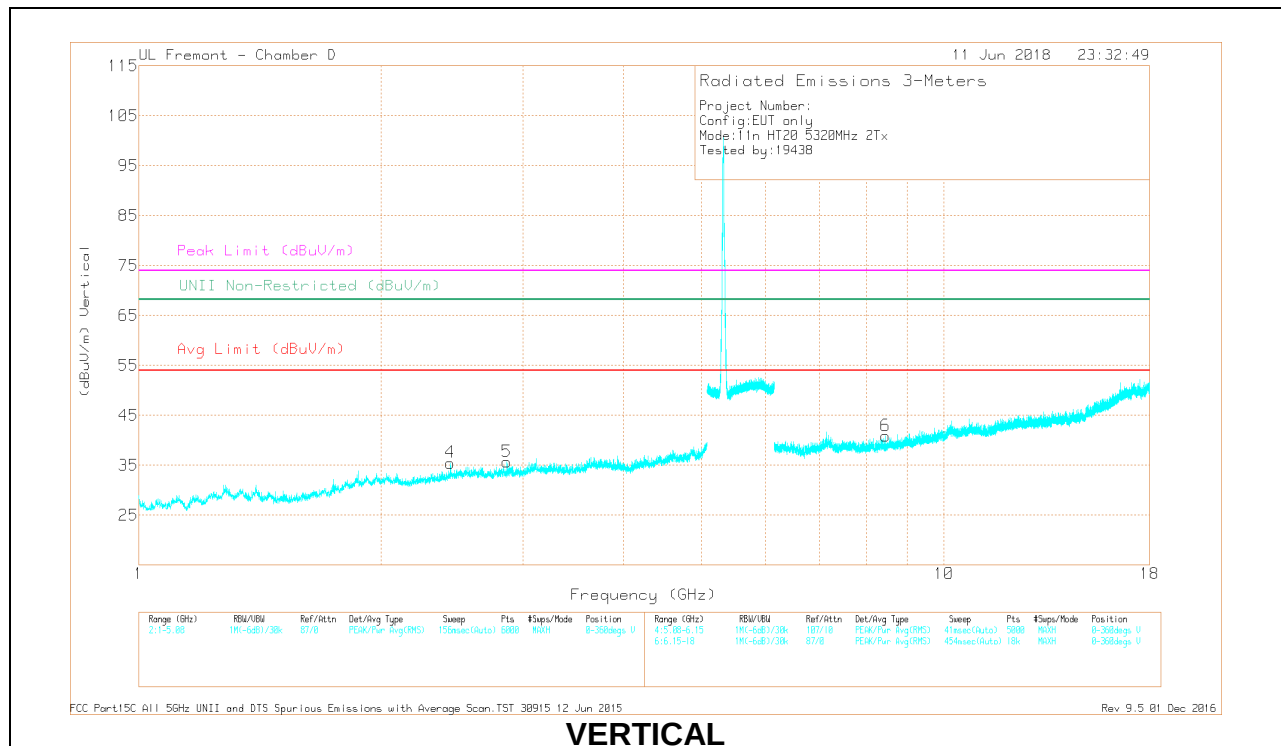
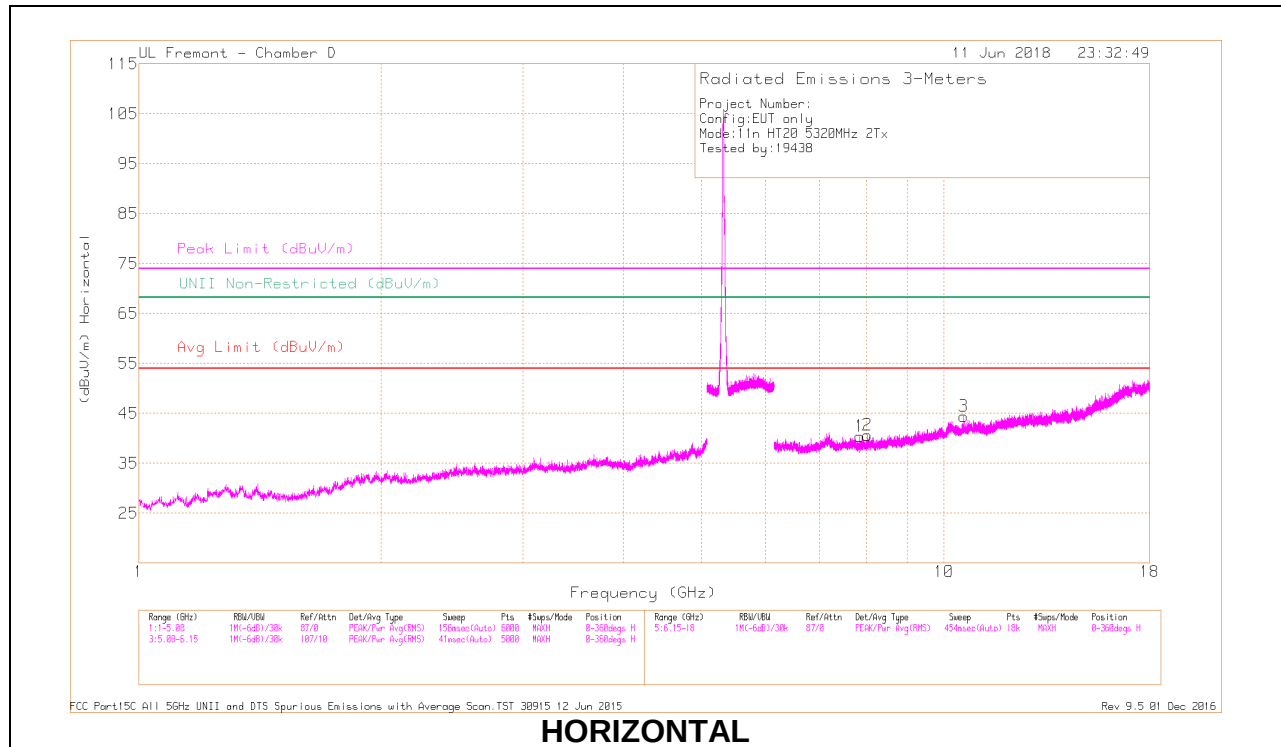
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T136 (dBm) | Amp/Cbl/Filt/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|---------------|-----------------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 4.17          | 36.41                | PK-U | 33.7          | -28                   | 42.11                      | -                  | -           | 74                  | -31.89         | -                            | -              | 28             | 324         | H        |
|        | * 4.172         | 24.65                | ADR  | 33.7          | -28                   | 30.35                      | 54                 | -23.65      | -                   | -              | -                            | -              | 28             | 324         | H        |
| 4      | * 4.768         | 37.17                | PK-U | 34.5          | -27                   | 44.67                      | -                  | -           | 74                  | -29.33         | -                            | -              | 90             | 379         | V        |
|        | * 4.779         | 25.55                | ADR  | 34.5          | -27                   | 33.05                      | 54                 | -20.95      | -                   | -              | -                            | -              | 90             | 379         | V        |
| 2      | * 11.014        | 32.2                 | PK-U | 37.8          | -20.5                 | 49.5                       | -                  | -           | 74                  | -24.5          | -                            | -              | 181            | 343         | H        |
|        | * 11.033        | 20.97                | ADR  | 37.8          | -20.5                 | 38.27                      | 54                 | -15.73      | -                   | -              | -                            | -              | 181            | 343         | H        |
| 3      | * 11.514        | 32.4                 | PK-U | 38.1          | -20.9                 | 49.6                       | -                  | -           | 74                  | -24.4          | -                            | -              | 214            | 230         | H        |
|        | * 11.526        | 20.93                | ADR  | 38.1          | -20.8                 | 38.23                      | 54                 | -15.77      | -                   | -              | -                            | -              | 214            | 230         | H        |
| 6      | * 11.789        | 32                   | PK-U | 38.6          | -20.6                 | 50                         | -                  | -           | 74                  | -24            | -                            | -              | 328            | 329         | V        |
|        | * 11.791        | 20.44                | ADR  | 38.6          | -20.7                 | 38.34                      | 54                 | -15.66      | -                   | -              | -                            | -              | 328            | 329         | V        |
| 5      | 8.867           | 32.54                | PK-U | 36.1          | -22.5                 | 46.14                      | -                  | -           | -                   | -              | 68.2                         | -22.06         | 95             | 187         | V        |

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

## HIGH CHANNEL RESULTS



## RADIATED EMISSIONS

| Marker | Frequenc<br>y (GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T136 (dBm) | Amp/Cbl/Fittr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m) | Avg Limit (dBuV/m) | Margin<br>(dB) | Peak Limit (dBuV/m) | PK<br>Margin<br>(dB) | UNII Non-Restricted<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|---------------------|----------------------------|------|---------------|---------------------------|--------------------------------------|--------------------|----------------|---------------------|----------------------|---------------------------------|----------------------|-------------------|----------------|----------|
| 5      | * 2.846             | 37.94                      | PK-U | 32.5          | -29                       | 41.44                                | -                  | -              | 74                  | -32.56               | -                               | -                    | 138               | 286            | V        |
|        | * 2.885             | 25.87                      | ADR  | 32.5          | -28.8                     | 29.57                                | 54                 | -24.43         | -                   | -                    | -                               | -                    | 138               | 286            | V        |
| 2      | * 8.028             | 34.11                      | PK-U | 35.8          | -23.8                     | 46.11                                | -                  | -              | 74                  | -27.89               | -                               | -                    | 269               | 254            | H        |
|        | * 8.027             | 22.88                      | ADR  | 35.8          | -23.8                     | 34.88                                | 54                 | -19.12         | -                   | -                    | -                               | -                    | 269               | 254            | H        |
| 6      | * 8.47              | 34.18                      | PK-U | 35.9          | -23.8                     | 46.28                                | -                  | -              | 74                  | -27.72               | -                               | -                    | 205               | 272            | V        |
|        | * 8.461             | 22.85                      | ADR  | 35.9          | -23.8                     | 34.95                                | 54                 | -19.05         | -                   | -                    | -                               | -                    | 205               | 272            | V        |
| 4      | 2.448               | 39.56                      | PK-U | 32.3          | -30.4                     | 41.46                                | -                  | -              | -                   | -                    | 68.2                            | -26.74               | 36                | 165            | V        |
| 1      | 7.85                | 34.5                       | PK-U | 35.8          | -24.3                     | 46                                   | -                  | -              | -                   | -                    | 68.2                            | -22.2                | 207               | 320            | H        |
| 3      | 10.588              | 32.12                      | PK-U | 37.7          | -20.4                     | 49.42                                | -                  | -              | -                   | -                    | 68.2                            | -18.78               | 123               | 329            | H        |

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

PK-U - U-NII: Maximum Peak

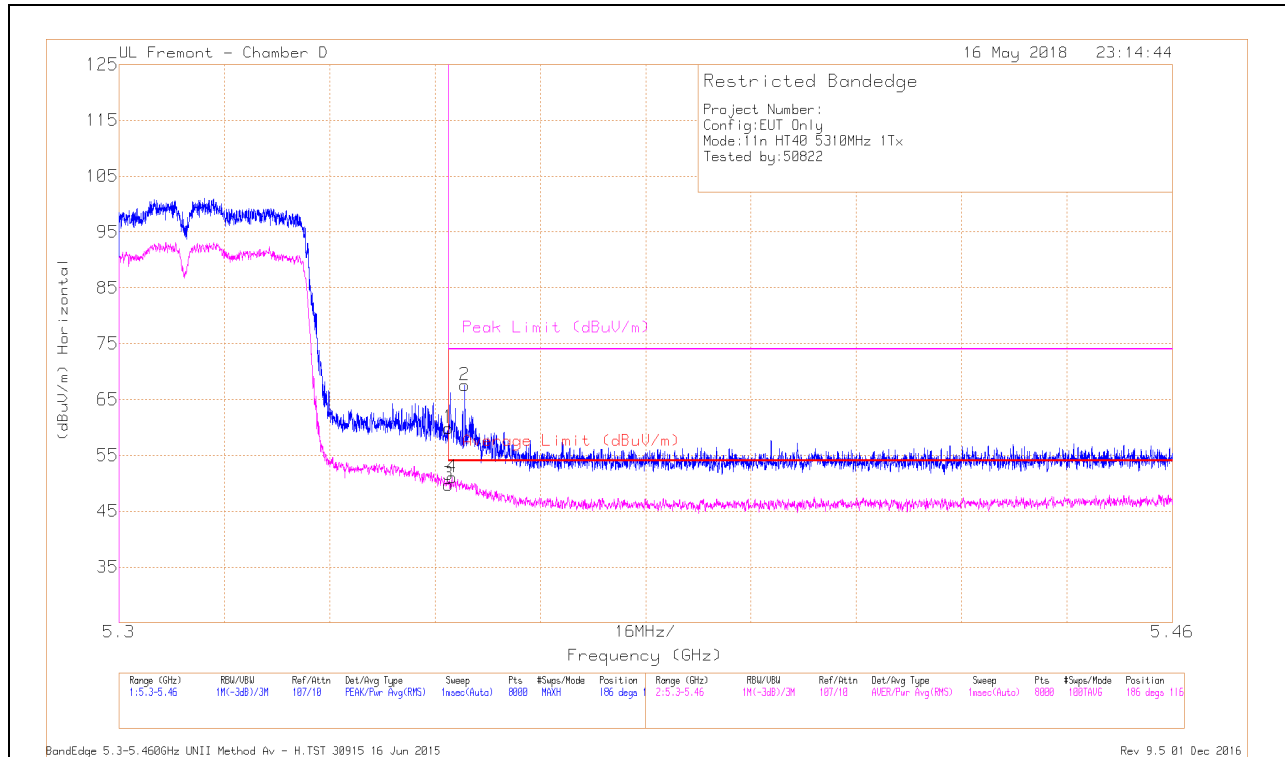
ADR - U-NII AD primary method, RMS average

## 9.1.4. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.3 GHz BAND

### 1TX Antenna 6 MODE

### BANDEDGE (HIGH CHANNEL)

### HORIZONTAL RESULT



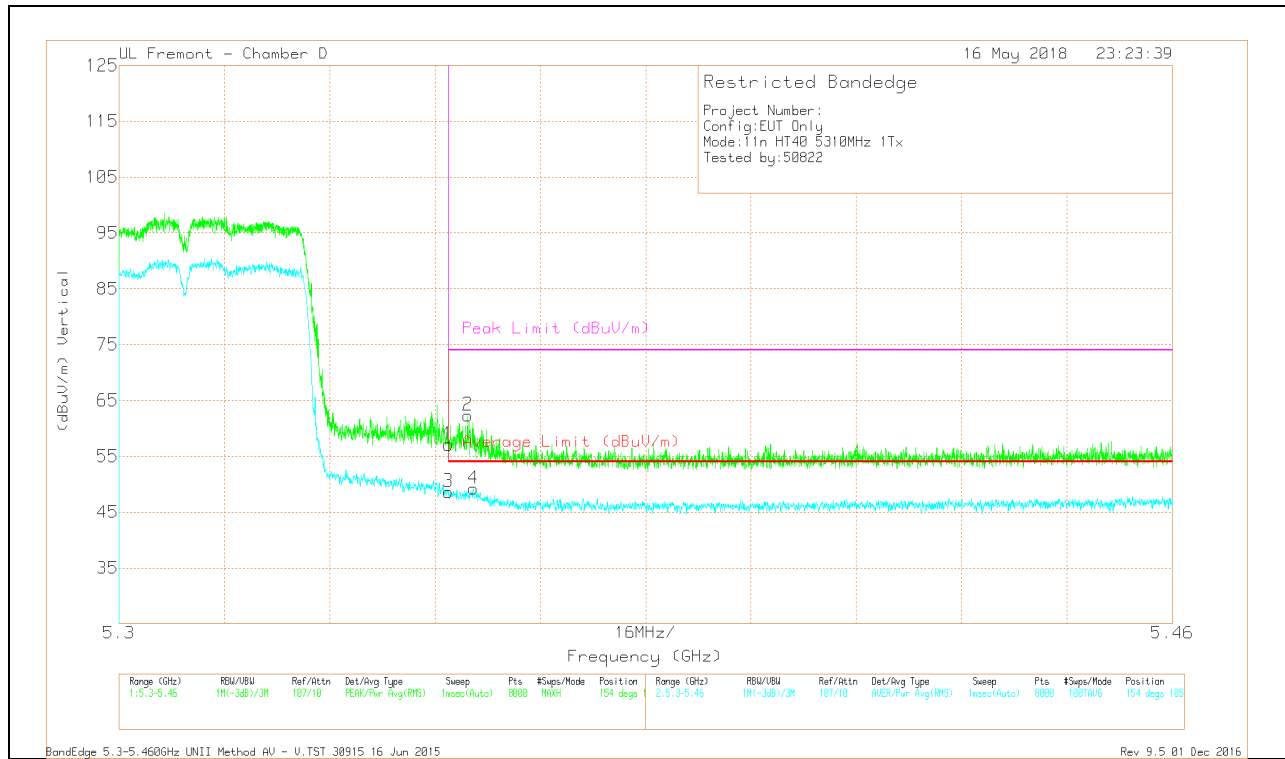
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dBm) | Amp/Chl/Filt/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|-----------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.35          | 42.89                | Pk  | 34.9          | -17.9                 | 0            | 59.89                      | -                      | -           | 74                  | -14.11         | 186            | 116         | H        |
| 3      | * 5.35          | 32.66                | RMS | 34.9          | -17.9                 | .1           | 49.76                      | 54                     | -4.24       | -                   | -              | 186            | 116         | H        |
| 4      | * 5.351         | 33.97                | RMS | 34.9          | -17.9                 | .1           | 51.07                      | 54                     | -2.93       | -                   | -              | 186            | 116         | H        |
| 2      | * 5.353         | 50.65                | Pk  | 34.9          | -18                   | 0            | 67.55                      | -                      | -           | 74                  | -6.45          | 186            | 116         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dBm) | Amp/Cbl/Fitr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Altitude (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|-----------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|-----------------|-------------|----------|
| 1      | * 5.35          | 40.13                | Pk  | 34.9          | -17.9                 | 0            | 57.13                      | -                      | -           | 74                  | -16.87         | 154             | 105         | V        |
| 3      | * 5.35          | 31.54                | RMS | 34.9          | -17.9                 | .1           | 48.64                      | 54                     | -5.36       | -                   | -              | 154             | 105         | V        |
| 2      | * 5.353         | 45.45                | Pk  | 34.9          | -18                   | 0            | 62.35                      | -                      | -           | 74                  | -11.65         | 154             | 105         | V        |
| 4      | * 5.354         | 32.22                | RMS | 34.9          | -18                   | .1           | 49.22                      | 54                     | -4.78       | -                   | -              | 154             | 105         | V        |

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

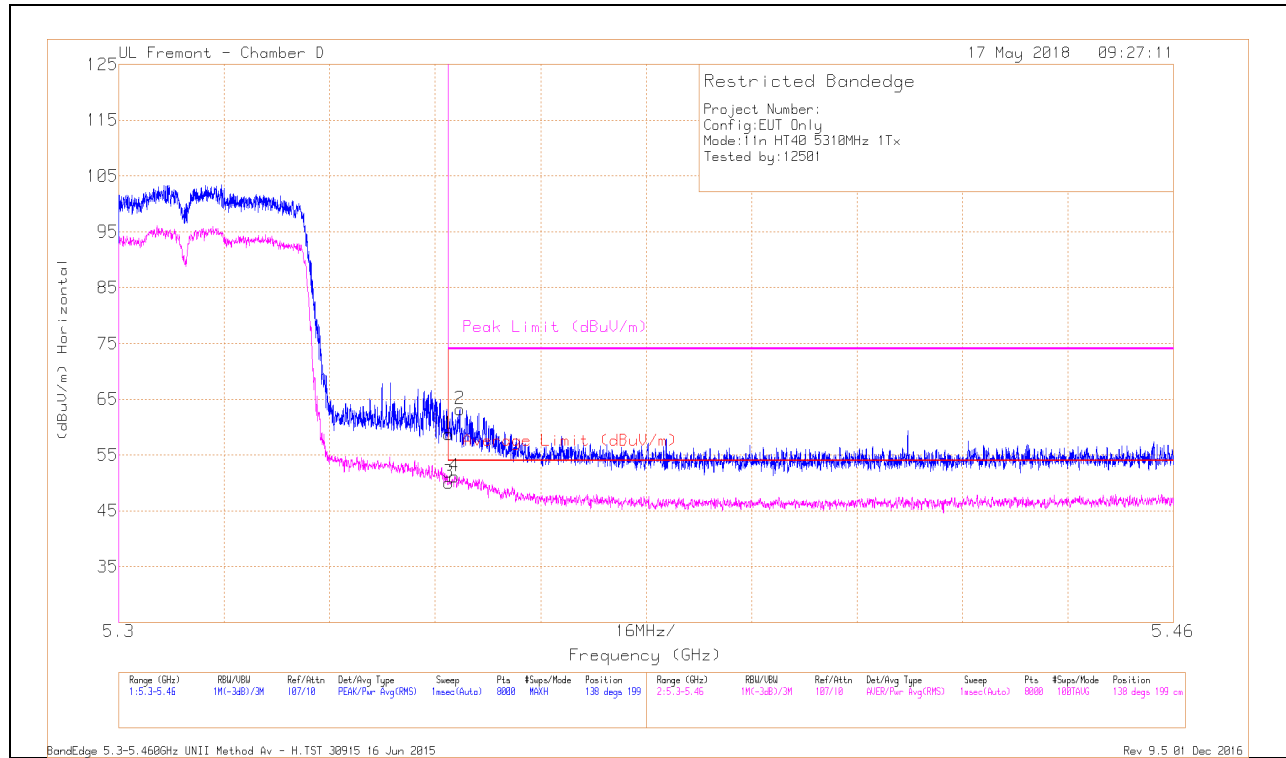
Pk - Peak detector

RMS - RMS detection

**1TX Antenna 5 MODE**

**BANDEDGE (HIGH CHANNEL)**

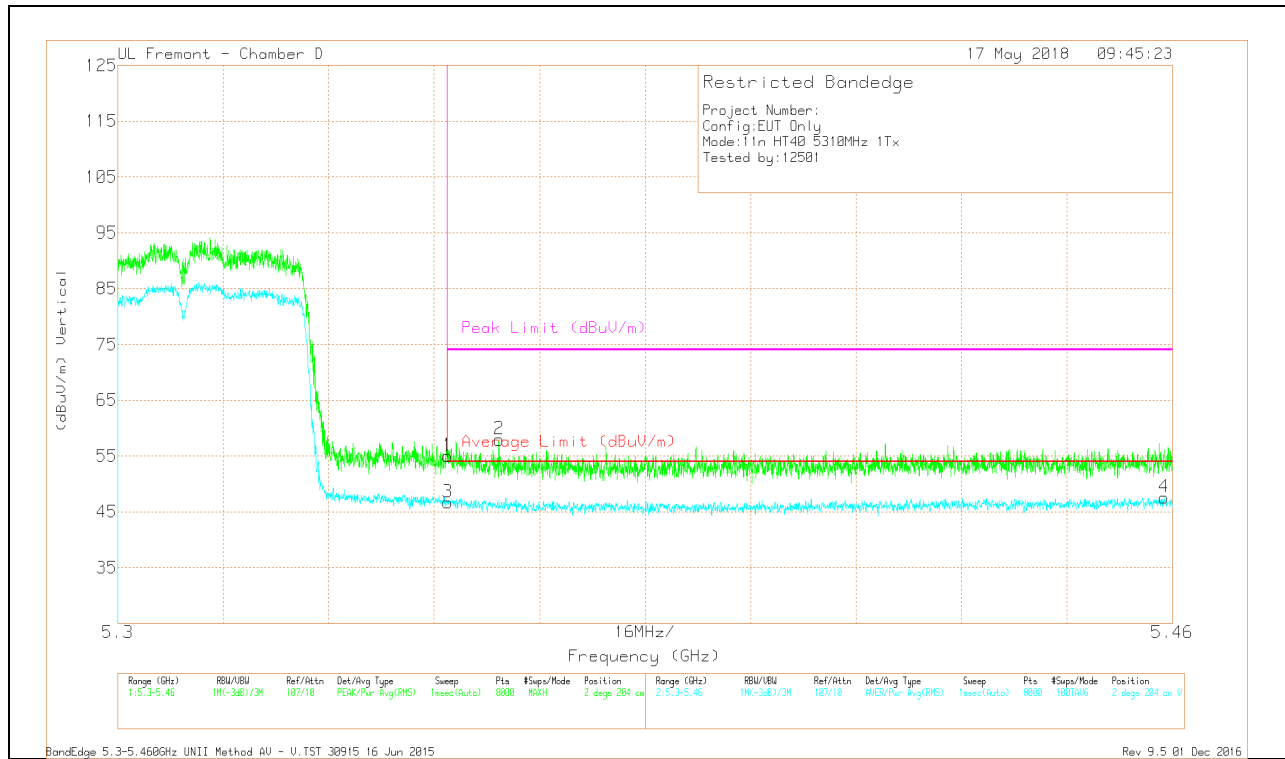
**HORIZONTAL RESULT**



| Marker | Frequenc<br>y (GHz) | Meter<br>Reading<br>(dBuV) | Det | AF T136 (dBm) | Amp/Cb/IFtr/Pad<br>(dB) | DC Corr (dB) | Correcte<br>d Reading<br>(dBuV/m) | Average Limit<br>(dBuV/m) | Margin<br>(dB) | Peak Limit (dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|---------------------|----------------------------|-----|---------------|-------------------------|--------------|-----------------------------------|---------------------------|----------------|---------------------|----------------------|-------------------|----------------|----------|
| 1      | * 5.35              | 41.76                      | Pk  | 34.9          | -17.9                   | 0            | 58.76                             | -                         | -              | 74                  | -15.24               | 138               | 199            | H        |
| 2      | * 5.352             | 46.25                      | Pk  | 34.9          | -17.9                   | 0            | 63.25                             | -                         | -              | 74                  | -10.75               | 138               | 199            | H        |
| 3      | * 5.35              | 32.94                      | RMS | 34.9          | -17.9                   | .1           | 50.04                             | 54                        | -3.96          | -                   | -                    | 138               | 199            | H        |
| 4      | * 5.351             | 34.11                      | RMS | 34.9          | -17.9                   | .1           | 51.21                             | 54                        | -2.79          | -                   | -                    | 138               | 199            | H        |

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

## VERTICAL RESULT

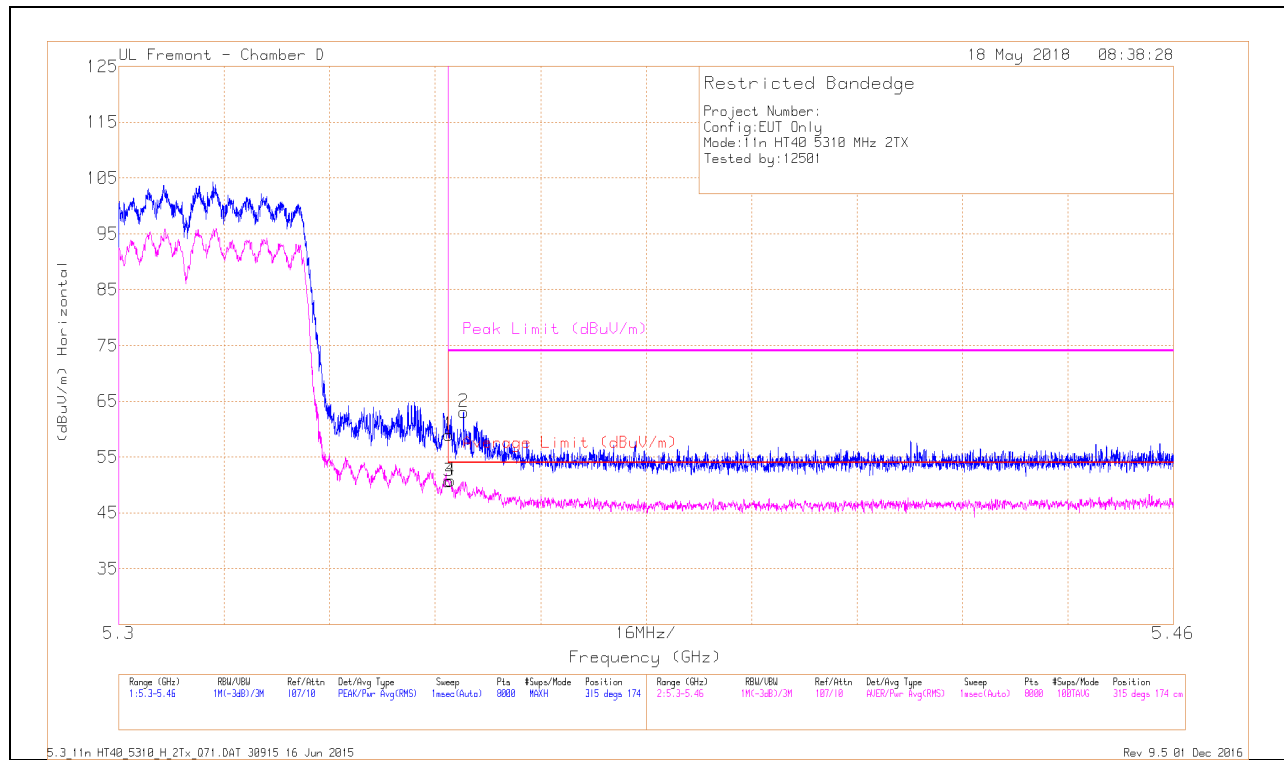


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dBm) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.35          | 38.06                | Pk  | 34.9          | -17.9                  | 0            | 55.06                      | -                      | -           | 74                  | -18.94         | 2              | 204         | V        |
| 3      | * 5.35          | 29.58                | RMS | 34.9          | -17.9                  | .1           | 46.68                      | 54                     | -7.32       | -                   | -              | 2              | 204         | V        |
| 2      | * 5.358         | 41.03                | Pk  | 34.9          | -18                    | 0            | 57.93                      | -                      | -           | 74                  | -16.07         | 2              | 204         | V        |
| 4      | * 5.459         | 30.13                | RMS | 34.9          | -17.6                  | .1           | 47.53                      | 54                     | -6.47       | -                   | -              | 2              | 204         | V        |

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

Pk - Peak detector

RMS - RMS detection

**2TX Antenna 6 + Antenna 5 CDD MODE****BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

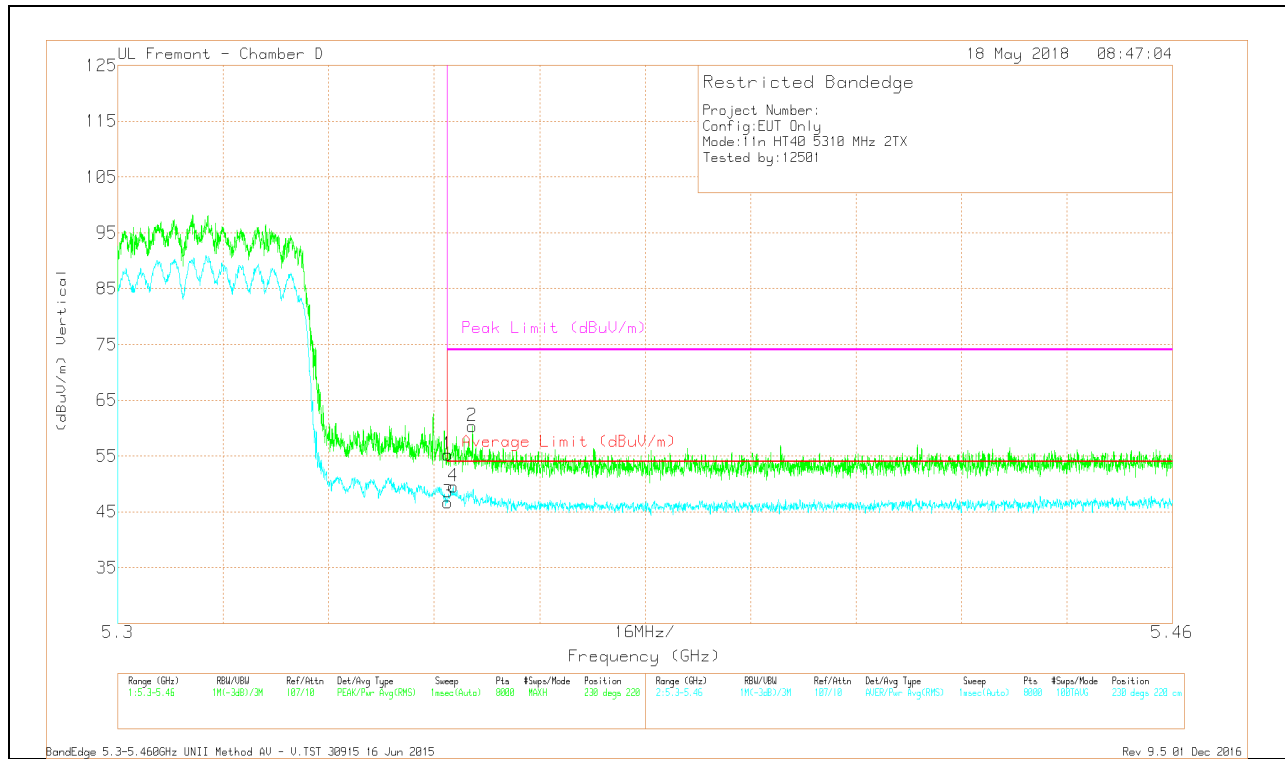
| Marker | Frequenc<br>y (GHz) | Meter<br>Reading<br>(dBuV) | Det | AF T136 (dBm) | Amp/CBI/Ftr/Pad (dB) | DC Corr (dB) | Correcte<br>d<br>Reading<br>(dBuV/m) | Average Limit (dBuV/m) | Margin<br>(dB) | Peak Limit (dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|---------------------|----------------------------|-----|---------------|----------------------|--------------|--------------------------------------|------------------------|----------------|---------------------|----------------------|-------------------|----------------|----------|
| 1      | * 5.35              | 41.99                      | Pk  | 34.9          | -17.9                | 0            | 58.99                                | -                      | -              | 74                  | -15.01               | 315               | 174            | H        |
| 3      | * 5.35              | 33.53                      | RMS | 34.9          | -17.9                | .1           | 50.63                                | 54                     | -3.37          | -                   | -                    | 315               | 174            | H        |
| 4      | * 5.35              | 33.68                      | RMS | 34.9          | -17.9                | .1           | 50.78                                | 54                     | -3.22          | -                   | -                    | 315               | 174            | H        |
| 2      | * 5.352             | 46.08                      | Pk  | 34.9          | -17.9                | 0            | 63.08                                | -                      | -              | 74                  | -10.92               | 315               | 174            | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dBm) | Amp/Cbl/Fitr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|-----------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.35          | 38.24                | Pk  | 34.9          | -17.9                 | 0            | 55.24                      | -                      | -           | 74                  | -18.76         | 230            | 220         | V        |
| 3      | * 5.35          | 29.58                | RMS | 34.9          | -17.9                 | -1           | 46.68                      | 54                     | -7.32       | -                   | -              | 230            | 220         | V        |
| 4      | * 5.351         | 32.43                | RMS | 34.9          | -17.9                 | -1           | 49.53                      | 54                     | -4.47       | -                   | -              | 230            | 220         | V        |
| 2      | * 5.354         | 43.44                | Pk  | 34.9          | -18                   | 0            | 60.34                      | -                      | -           | 74                  | -13.66         | 230            | 220         | V        |

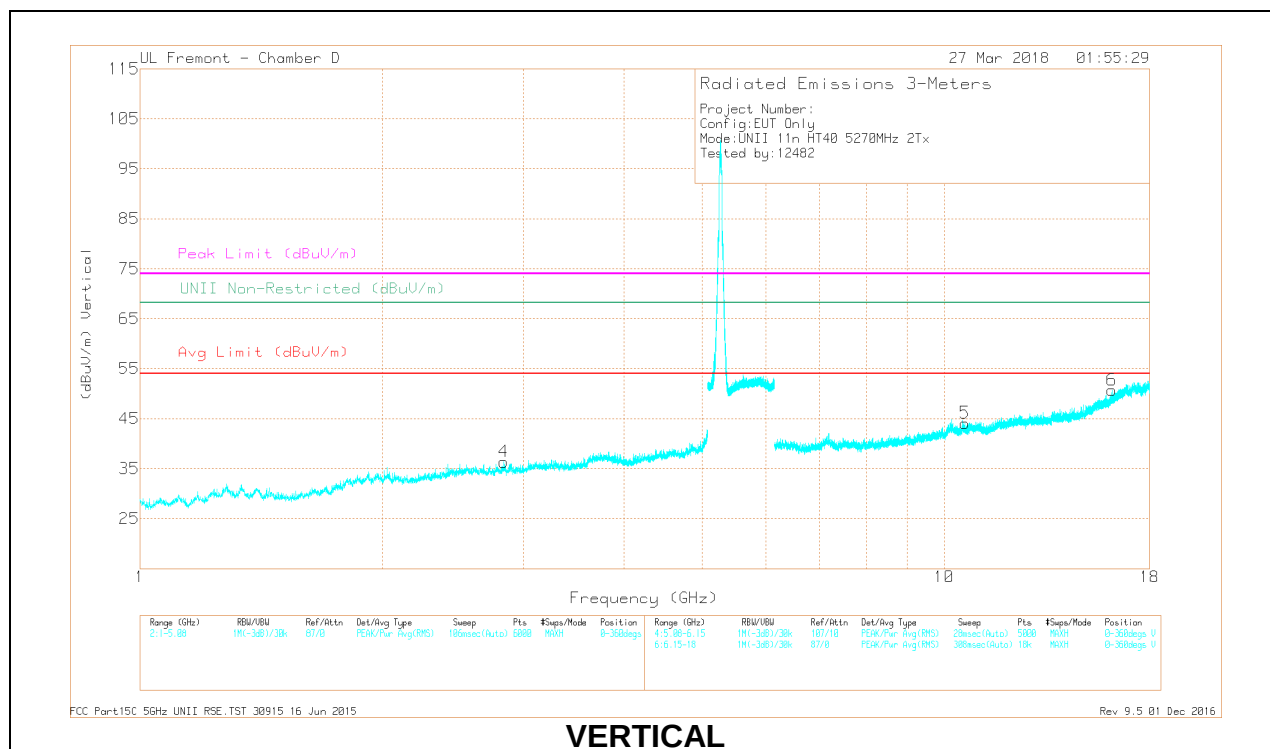
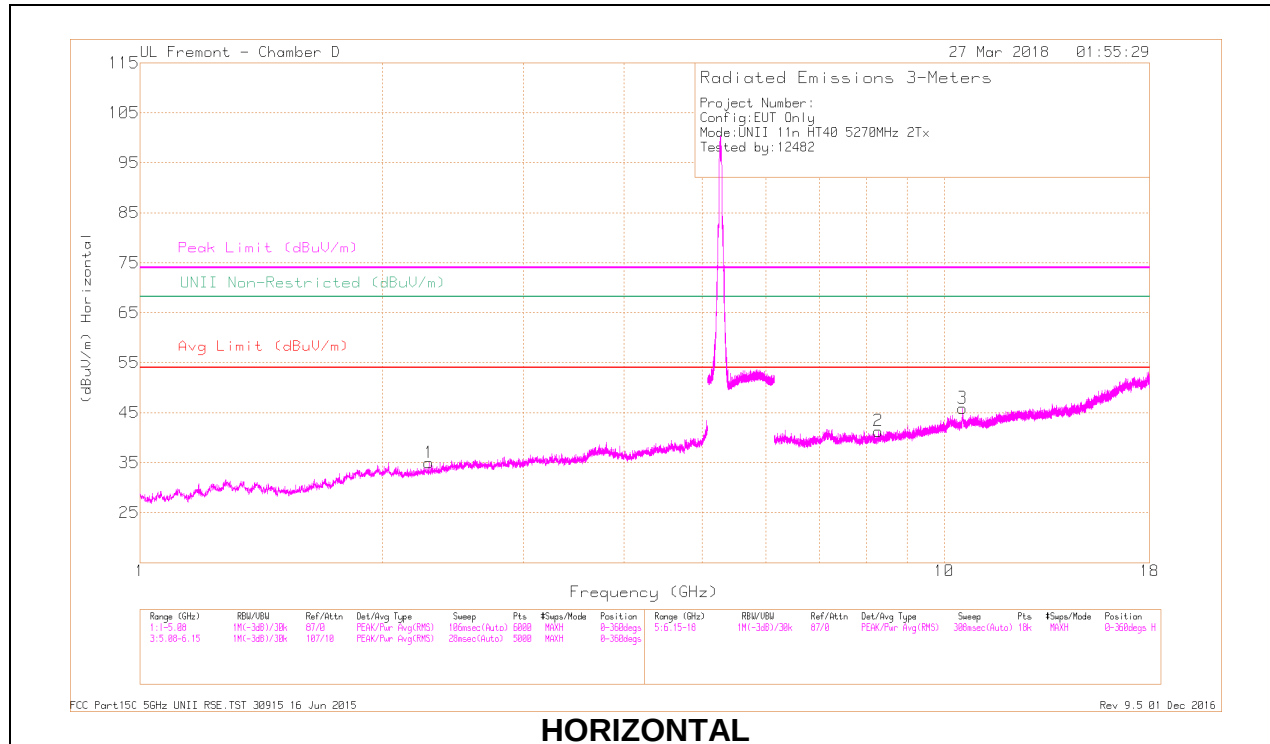
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS

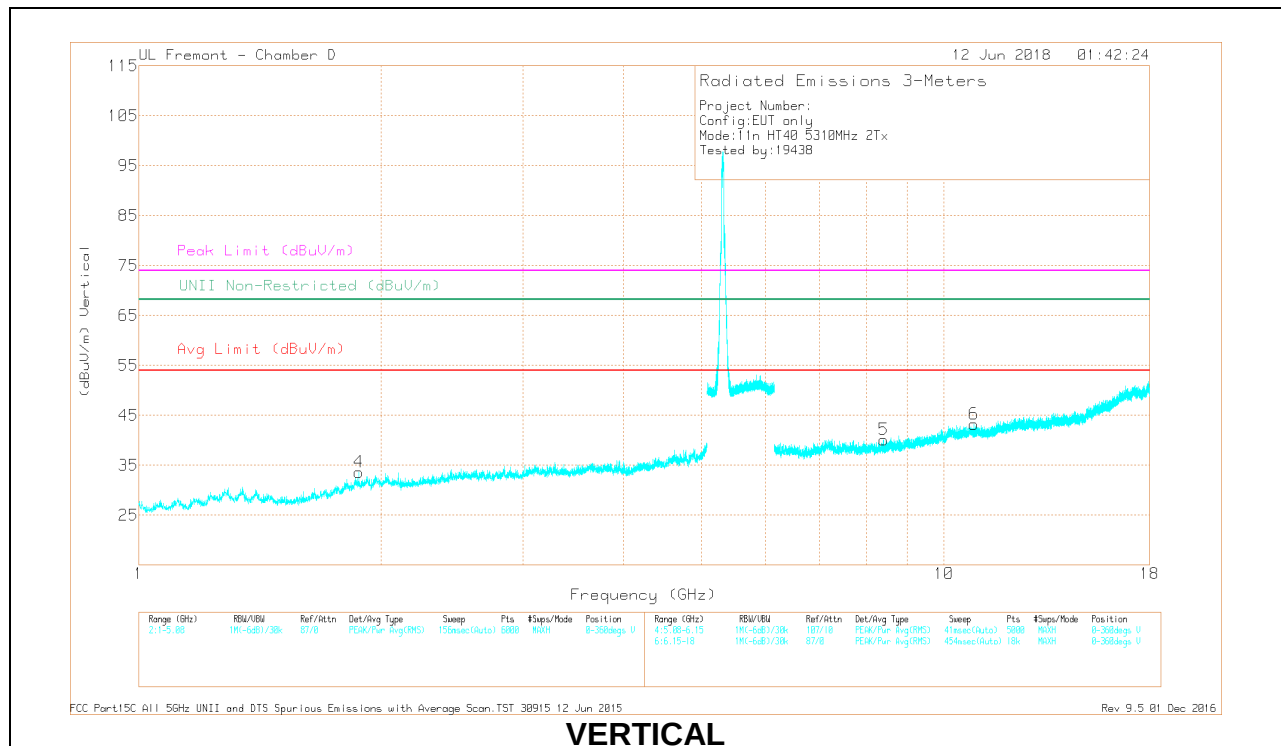
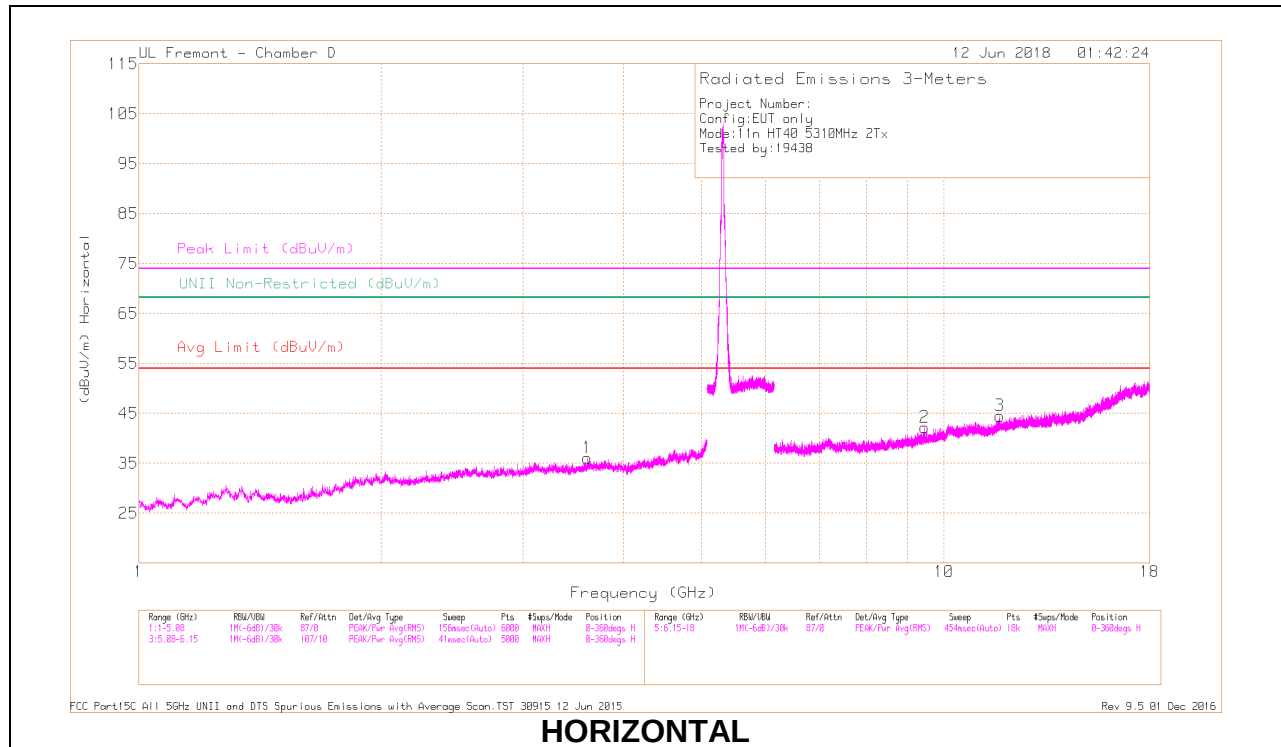


## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T136 (dBm) | Amp/Cbl/Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|---------------|----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 2.289         | 40.64                | PK-U | 31.5          | -30.4                | 0            | 41.74                      | -                  | -           | 74                  | -32.26         | -                            | -              | 12             | 334         | H        |
|        | * 2.286         | 28.17                | ADR  | 31.5          | -30.4                | -1           | 29.37                      | 54                 | -24.63      | -                   | -              | -                            | -              | 12             | 334         | H        |
| 4      | * 2.832         | 39.74                | PK-U | 32.6          | -29                  | 0            | 43.34                      | -                  | -           | 74                  | -30.66         | -                            | -              | 272            | 371         | V        |
|        | * 2.834         | 27.85                | ADR  | 32.6          | -29                  | -1           | 31.55                      | 54                 | -22.45      | -                   | -              | -                            | -              | 272            | 371         | V        |
| 2      | * 8.276         | 35.7                 | PK-U | 35.9          | -23.9                | 0            | 47.7                       | -                  | -           | 74                  | -26.3          | -                            | -              | 87             | 161         | H        |
|        | * 8.277         | 24.07                | ADR  | 35.9          | -23.9                | -1           | 36.17                      | 54                 | -17.83      | -                   | -              | -                            | -              | 87             | 161         | H        |
| 5      | * 10.616        | 33.96                | PK-U | 37.7          | -20.8                | 0            | 50.86                      | -                  | -           | 74                  | -23.14         | -                            | -              | 207            | 333         | V        |
|        | * 10.616        | 22.48                | ADR  | 37.7          | -20.7                | -1           | 39.58                      | 54                 | -14.42      | -                   | -              | -                            | -              | 207            | 333         | V        |
| 6      | * 16.161        | 33.29                | PK-U | 41.5          | -18.5                | 0            | 56.29                      | -                  | -           | 74                  | -17.71         | -                            | -              | 87             | 107         | V        |
|        | * 16.161        | 22.51                | ADR  | 41.5          | -18.5                | -1           | 45.61                      | 54                 | -8.39       | -                   | -              | -                            | -              | 87             | 107         | V        |
| 3      | 10.537          | 33.36                | PK-U | 37.6          | -20.6                | 0            | 50.36                      | -                  | -           | -                   | -              | 68.2                         | -17.84         | 61             | 253         | H        |

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
PK-U - U-NII: Maximum Peak  
ADR - U-NII AD primary method, RMS average

## HIGH CHANNEL RESULTS



## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T136 (dBm) | Amp/Cbl/Fitr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|---------------|-----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 3.605         | 35.72                | PK-U | 33.5          | -28.8                 |              | 40.42                      | -                  | -           | 74                  | -33.58         | -                            | -              | 321            | 148         | H        |
|        | * 3.606         | 24.56                | ADR  | 33.5          | -28.8                 | .1           | 29.36                      | 54                 | -24.64      | -                   | -              | -                            | -              | 321            | 148         | H        |
| 2      | * 9.474         | 31.57                | PK-U | 36.6          | -20.8                 |              | 47.37                      | -                  | -           | 74                  | -26.63         | -                            | -              | 278            | 337         | H        |
|        | * 9.446         | 20.61                | ADR  | 36.6          | -21.1                 | .1           | 36.21                      | 54                 | -17.79      | -                   | -              | -                            | -              | 278            | 337         | H        |
| 3      | * 11.738        | 31.41                | PK-U | 38.5          | -20.3                 |              | 49.61                      | -                  | -           | 74                  | -24.39         | -                            | -              | 226            | 244         | H        |
|        | * 11.734        | 20.32                | ADR  | 38.5          | -20.3                 | .1           | 38.62                      | 54                 | -15.38      | -                   | -              | -                            | -              | 226            | 244         | H        |
| 5      | * 8.395         | 33.48                | PK-U | 35.9          | -23.4                 |              | 45.98                      | -                  | -           | 74                  | -28.02         | -                            | -              | 5              | 203         | V        |
|        | * 8.409         | 21.42                | ADR  | 35.9          | -23.3                 | .1           | 34.12                      | 54                 | -19.88      | -                   | -              | -                            | -              | 5              | 203         | V        |
| 6      | * 10.897        | 31.6                 | PK-U | 37.7          | -20.7                 |              | 48.6                       | -                  | -           | 74                  | -25.4          | -                            | -              | 147            | 159         | V        |
|        | * 10.885        | 20.74                | ADR  | 37.7          | -20.6                 | .1           | 37.94                      | 54                 | -16.06      | -                   | -              | -                            | -              | 147            | 159         | V        |
| 4      | 1.862           | 44.67                | PK-U | 31.3          | -31.1                 |              | 44.87                      | -                  | -           | -                   | -              | 68.2                         | -23.33         | 350            | 346         | V        |

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

PK-U - U-NII: Maximum Peak

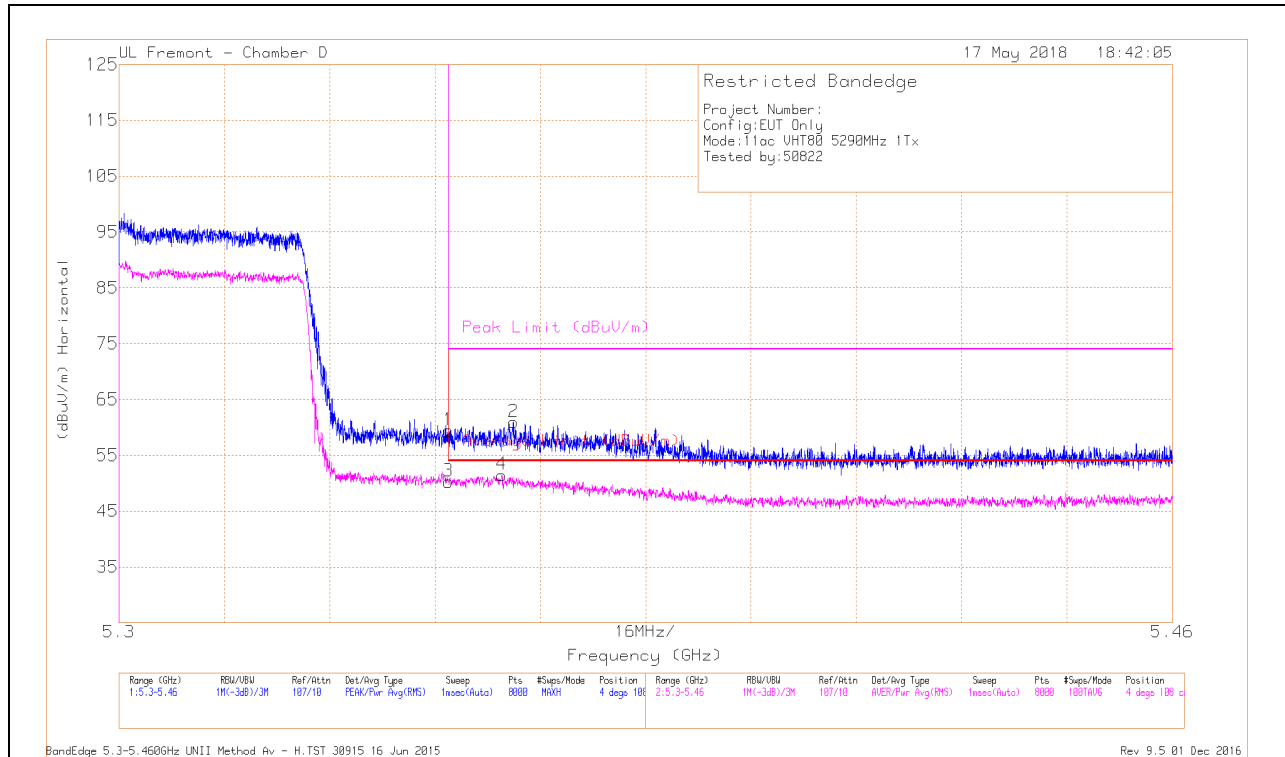
ADR - U-NII AD primary method, RMS average

## 9.1.5. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.3 GHz BAND

### 1TX Antenna 6 MODE

### BANDEDGE (MID CHANNEL)

### HORIZONTAL RESULT



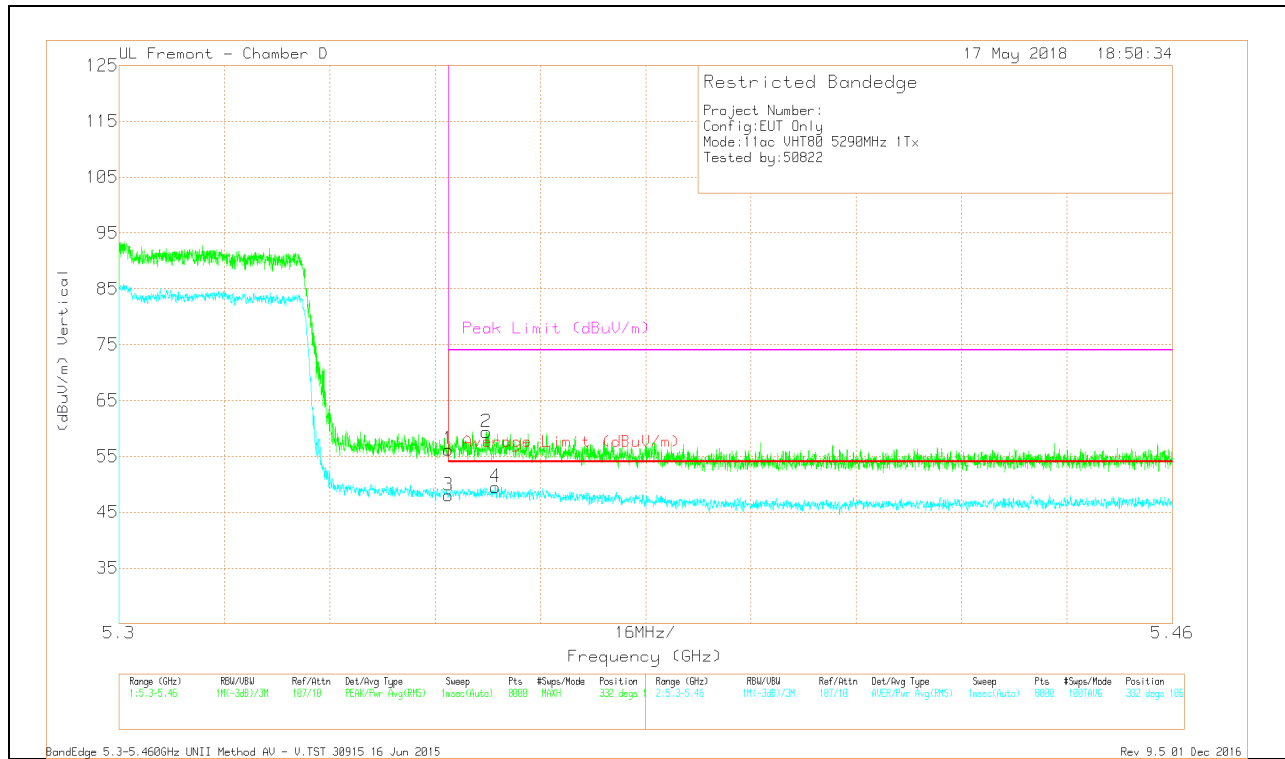
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dBm) | Amp/Cb/IFtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.35          | 42.45                | Pk  | 34.9          | -17.9                | 0            | 59.45                      | -                      | -           | 74                  | -14.55         | 4              | 108         | H        |
| 2      | * 5.36          | 44.04                | Pk  | 34.9          | -18                  | 0            | 60.94                      | -                      | -           | 74                  | -13.06         | 4              | 108         | H        |
| 3      | * 5.35          | 33.1                 | RMS | 34.9          | -17.9                | .19          | 50.29                      | 54                     | -3.71       | -                   | -              | 4              | 108         | H        |
| 4      | * 5.358         | 34.4                 | RMS | 34.9          | -18                  | .19          | 51.49                      | 54                     | -2.51       | -                   | -              | 4              | 108         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dBm) | Ampl/Cou/Filtz/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|-------------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.35          | 39.25                | Pk  | 34.9          | -17.9                   | 0            | 56.25                      | -                      | -           | 74                  | -17.75         | 332            | 106         | V        |
| 2      | * 5.356         | 42.47                | Pk  | 34.9          | -18                     | 0            | 59.37                      | -                      | -           | 74                  | -14.63         | 332            | 106         | V        |
| 3      | * 5.35          | 30.79                | RMS | 34.9          | -17.9                   | 19           | 47.98                      | 54                     | -6.02       | -                   | -              | 332            | 106         | V        |
| 4      | * 5.357         | 32.4                 | RMS | 34.9          | -18                     | 19           | 49.49                      | 54                     | -4.51       | -                   | -              | 332            | 106         | V        |

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

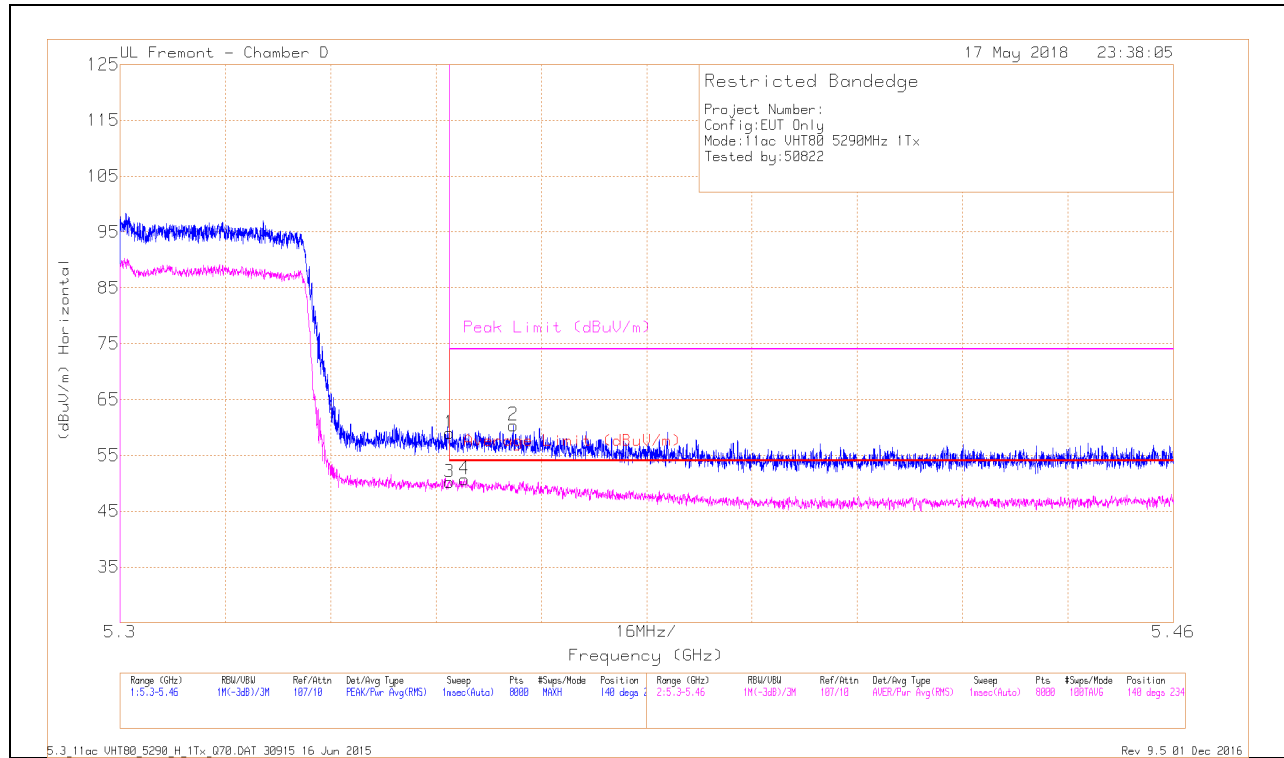
Pk - Peak detector

RMS - RMS detection

**1TX Antenna 5 MODE**

**BANDEDGE (MID CHANNEL)**

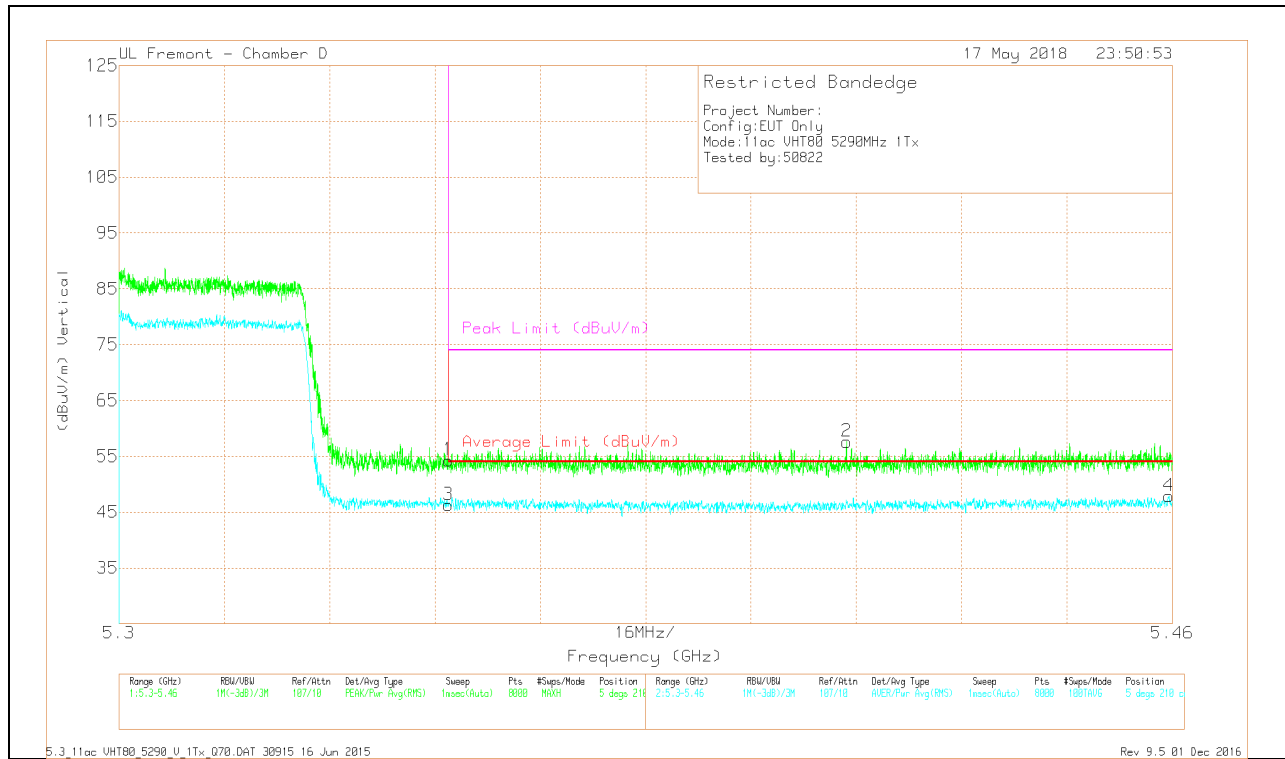
**HORIZONTAL RESULT**



| Marker | Frequenc<br>y (GHz) | Meter<br>Reading<br>(dBuV) | Det | AF T136 (dBm) | Amp/Cb/IF/It/Pad<br>(dB) | DC Corr (dB) | Correcte<br>d Reading<br>(dBuV/m) | Average Limit<br>(dBuV/m) | Margin<br>(dB) | Peak Limit (dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|---------------------|----------------------------|-----|---------------|--------------------------|--------------|-----------------------------------|---------------------------|----------------|---------------------|----------------------|-------------------|----------------|----------|
| 1      | * 5.35              | 41.99                      | Pk  | 34.9          | -17.9                    | 0            | 58.99                             | -                         | -              | 74                  | -15.01               | 140               | 234            | H        |
| 2      | * 5.36              | 43.48                      | Pk  | 34.9          | -18                      | 0            | 60.38                             | -                         | -              | 74                  | -13.62               | 140               | 234            | H        |
| 3      | * 5.35              | 32.99                      | RMS | 34.9          | -17.9                    | 19           | 50.18                             | 54                        | -3.82          | -                   | -                    | 140               | 234            | H        |
| 4      | * 5.352             | 33.53                      | RMS | 34.9          | -17.9                    | 19           | 50.72                             | 54                        | -3.28          | -                   | -                    | 140               | 234            | H        |

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

## VERTICAL RESULT

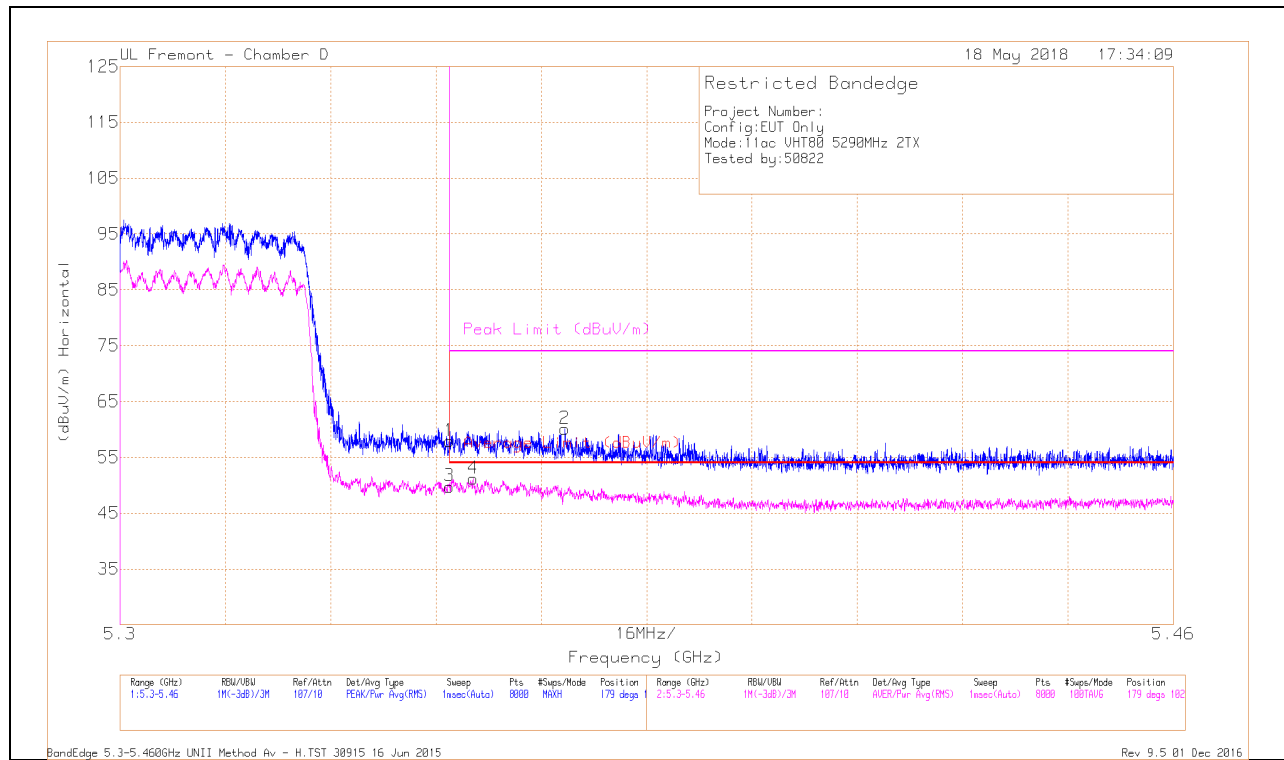


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dBim) | Ampl/Cable/Fit/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.35          | 37.26                | Pk  | 34.9           | -17.9                   | 0            | 54.26                      | -                      | -           | 74                  | -19.74         | 5              | 210         | V        |
| 2      | * 5.411         | 40.61                | Pk  | 34.9           | -17.9                   | 0            | 57.61                      | -                      | -           | 74                  | -16.39         | 5              | 210         | V        |
| 3      | * 5.35          | 29.09                | RMS | 34.9           | -17.9                   | 19           | 46.28                      | 54                     | -7.72       | -                   | -              | 5              | 210         | V        |
| 4      | * 5.459         | 30.26                | RMS | 34.9           | -17.5                   | 19           | 47.85                      | 54                     | -6.15       | -                   | -              | 5              | 210         | V        |

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

Pk - Peak detector

RMS - RMS detection

**2TX Antenna 6 + Antenna 5 CDD MODE****BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

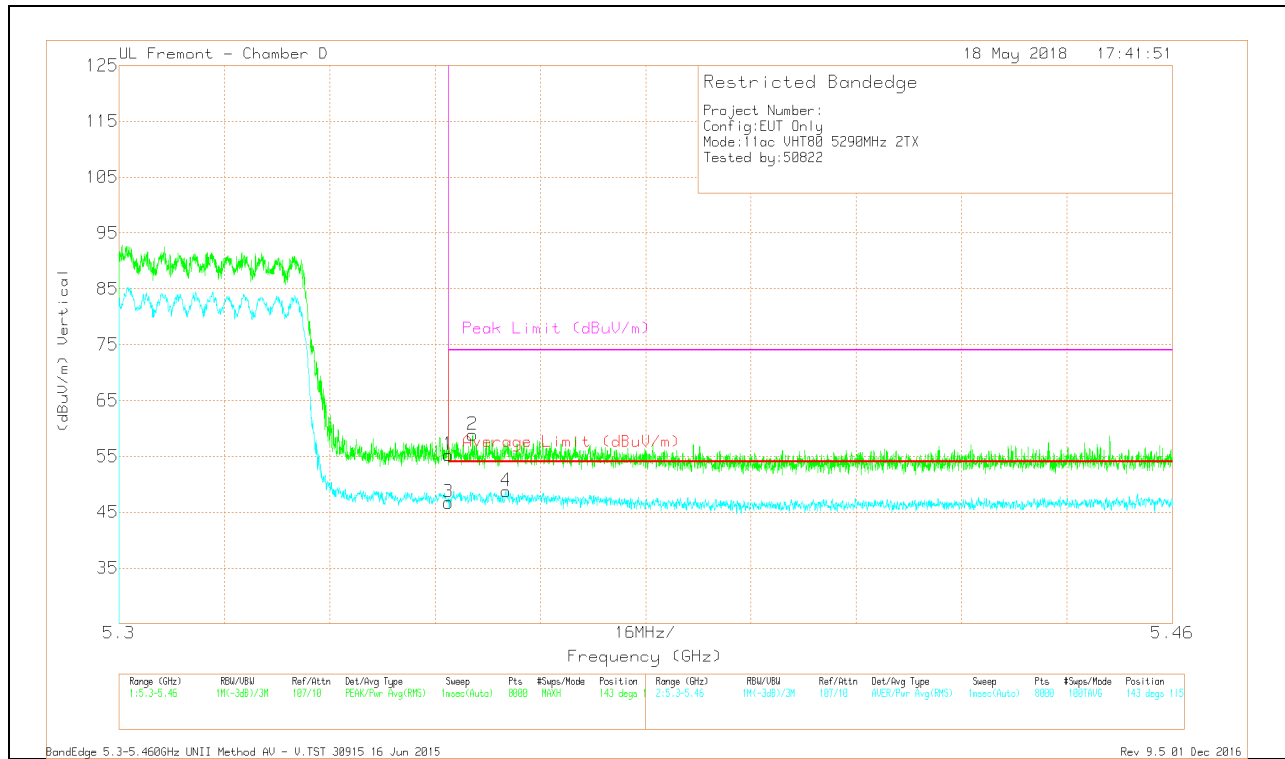
| Marker | Frequenc<br>y (GHz) | Meter<br>Reading<br>(dBuV) | Det | AF T136 (dBm) | Amp/Cb/IFtr/Pad<br>(dB) | DC Corr (dB) | Correcte<br>d Reading<br>(dBuV/m) | Average Limit<br>(dBuV/m) | Margin<br>(dB) | Peak Limit (dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|---------------------|----------------------------|-----|---------------|-------------------------|--------------|-----------------------------------|---------------------------|----------------|---------------------|----------------------|-------------------|----------------|----------|
| 1      | * 5.35              | 40.87                      | PK  | 34.9          | -17.9                   | 0            | 57.87                             | -                         | -              | 74                  | -16.13               | 179               | 102            | H        |
| 2      | * 5.368             | 43.2                       | PK  | 34.9          | -18                     | 0            | 60.1                              | -                         | -              | 74                  | -13.9                | 179               | 102            | H        |
| 3      | * 5.35              | 32.58                      | RMS | 34.9          | -17.9                   | 19           | 49.77                             | 54                        | -4.23          | -                   | -                    | 179               | 102            | H        |
| 4      | * 5.354             | 34.07                      | RMS | 34.9          | -18                     | 19           | 51.16                             | 54                        | -2.84          | -                   | -                    | 179               | 102            | H        |

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

PK - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequenc<br>y (GHz) | Meter<br>Reading<br>(dBuV) | Det | AF T136 (dBim) | Ampl/CollFtr/Pad<br>(dB) | DC Corr (dB) | Correcte<br>d Reading<br>(dBuV/m) | Average Limit<br>(dBuV/m) | Margin<br>(dB) | Peak Limit (dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|---------------------|----------------------------|-----|----------------|--------------------------|--------------|-----------------------------------|---------------------------|----------------|---------------------|----------------------|-------------------|----------------|----------|
| 1      | * 5.35              | 38.26                      | PK  | 34.9           | -17.9                    | 0            | 55.26                             | -                         | -              | 74                  | -18.74               | 143               | 115            | V        |
| 2      | * 5.354             | 41.96                      | PK  | 34.9           | -18                      | 0            | 58.86                             | -                         | -              | 74                  | -15.14               | 143               | 115            | V        |
| 3      | * 5.35              | 29.54                      | RMS | 34.9           | -17.9                    | 19           | 46.73                             | 54                        | -7.27          | -                   | -                    | 143               | 115            | V        |
| 4      | * 5.359             | 31.67                      | RMS | 34.9           | -18                      | 19           | 48.76                             | 54                        | -5.24          | -                   | -                    | 143               | 115            | V        |

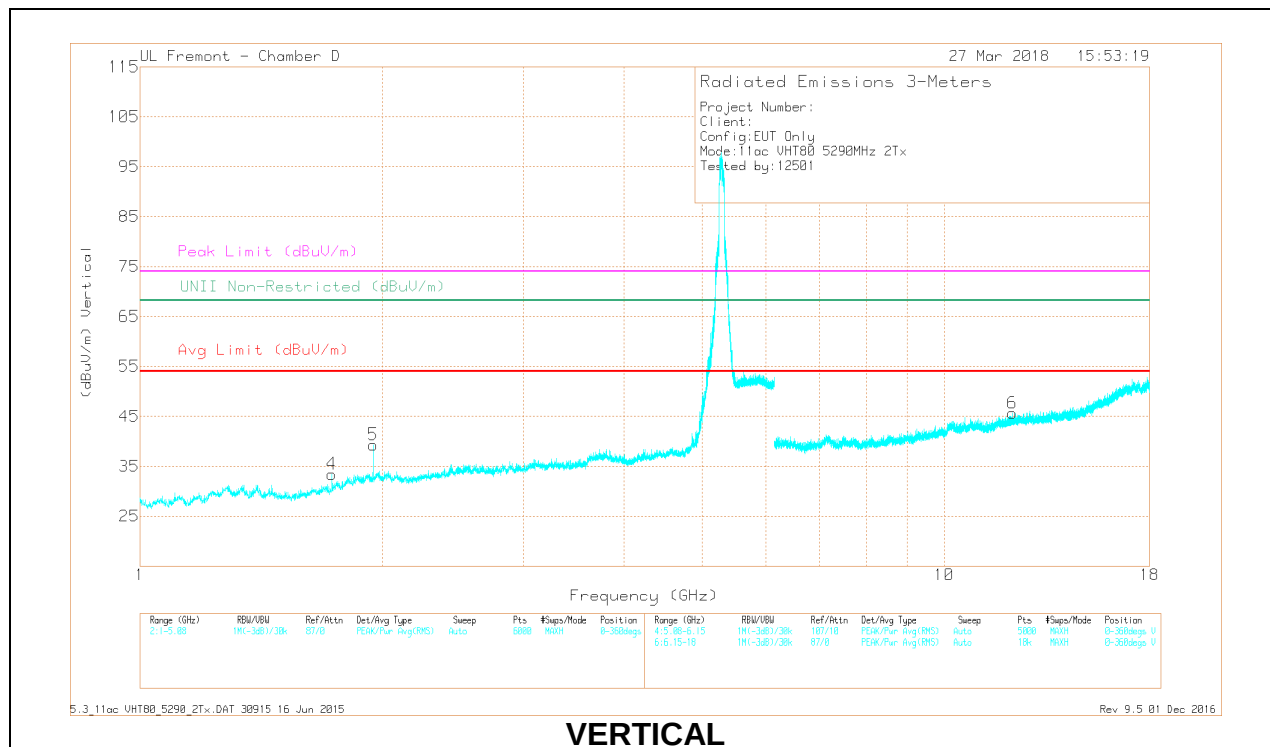
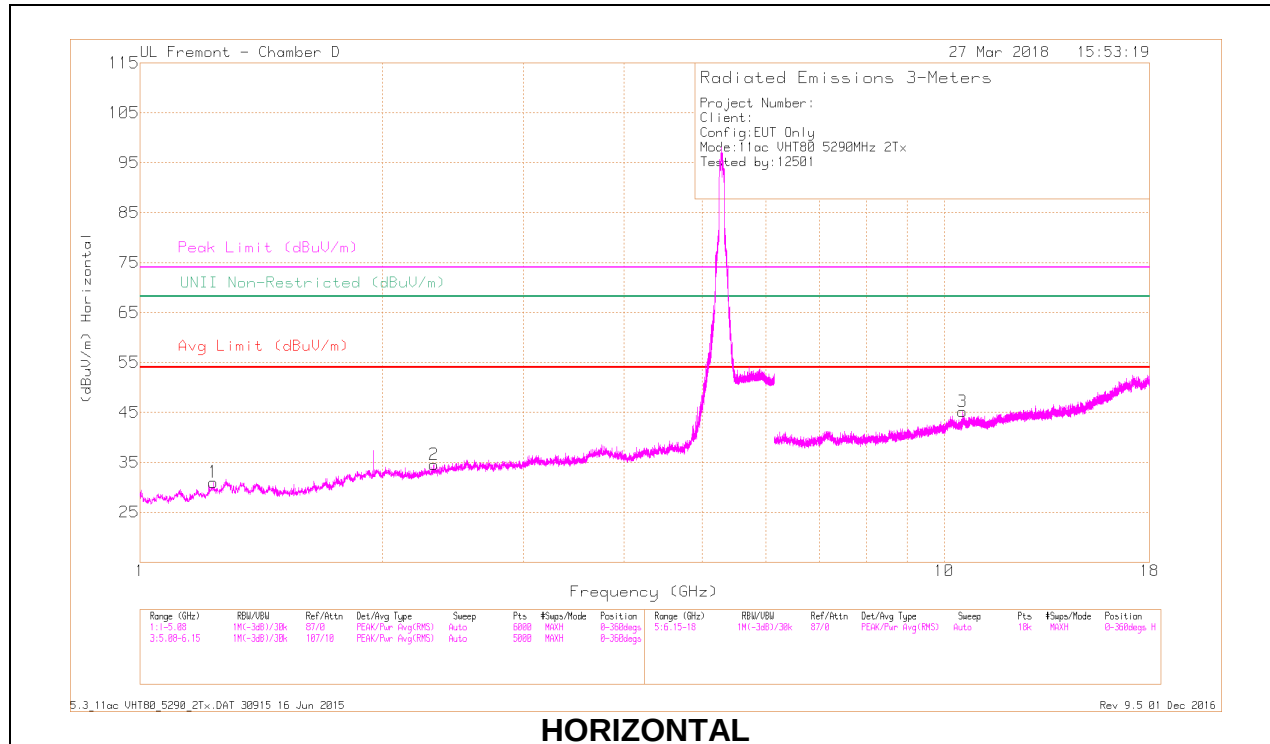
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### MID CHANNEL RESULTS



## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T136 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 1.236         | 40.94                | PK-U | 28.8           | -32                    | 0            | 37.74                      | -                  | -           | 74                  | -36.26         | -                            | -              | 190            | 173         | H        |
|        | * 1.232         | 29.13                | ADR  | 28.8           | -32                    | .19          | 26.12                      | 54                 | -27.88      | -                   | -              | -                            | -              | 190            | 173         | H        |
| 2      | * 2.321         | 40.27                | PK-U | 31.5           | -30.2                  | 0            | 41.57                      | -                  | -           | 74                  | -32.43         | -                            | -              | 307            | 260         | H        |
|        | * 2.322         | 28.11                | ADR  | 31.5           | -30.2                  | .19          | 29.6                       | 54                 | -24.4       | -                   | -              | -                            | -              | 307            | 260         | H        |
| 6      | * 12.156        | 33.1                 | PK-U | 38.9           | -20.7                  | 0            | 51.3                       | -                  | -           | 74                  | -22.7          | -                            | -              | 208            | 258         | V        |
|        | * 12.158        | 21.82                | ADR  | 38.9           | -20.8                  | .19          | 40.11                      | 54                 | -13.89      | -                   | -              | -                            | -              | 208            | 258         | V        |
| 4      | 1.734           | 40.38                | PK-U | 29.4           | -30.7                  | 0            | 39.08                      | -                  | -           | -                   | -              | 68.2                         | -29.12         | 360            | 324         | V        |
| 5      | 1.95            | 45.31                | PK-U | 31.4           | -30.8                  | 0            | 45.91                      | -                  | -           | -                   | -              | 68.2                         | -22.29         | 132            | 203         | V        |
| 3      | 10.539          | 33.55                | PK-U | 37.6           | -20.6                  | 0            | 50.55                      | -                  | -           | -                   | -              | 68.2                         | -17.65         | 217            | 300         | H        |

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

PK-U - U-NII: Maximum Peak

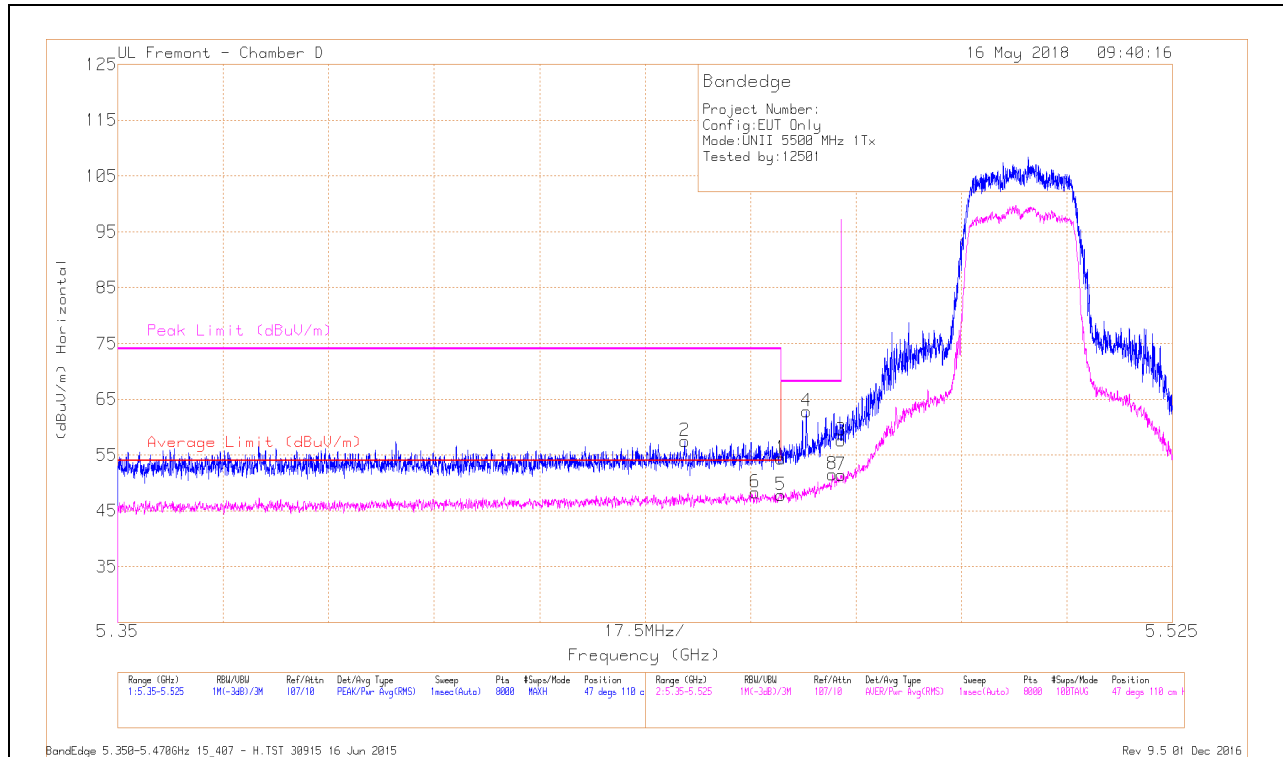
ADR - U-NII AD primary method, RMS average

## 9.1.6. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.6 GHz BAND

### 1TX Antenna 6 MODE

### BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT



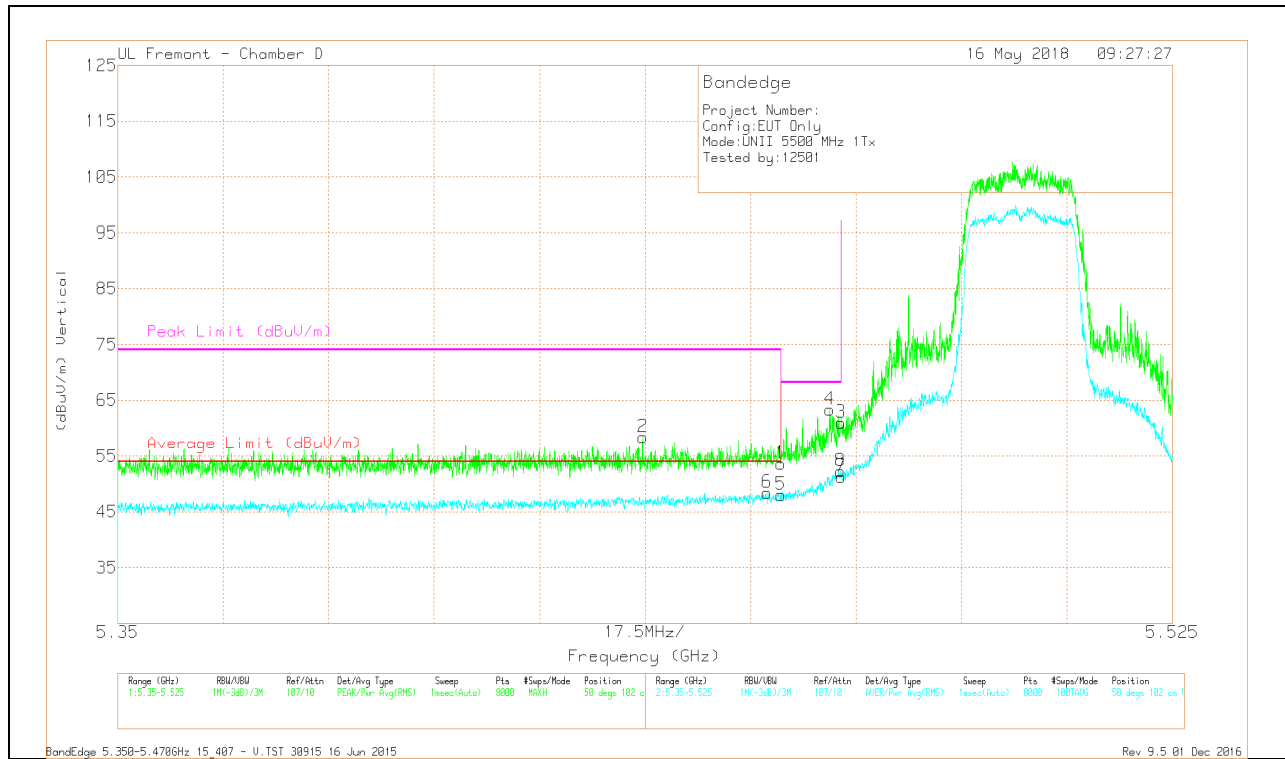
| Marker | Frequenc<br>y (GHz) | Meter<br>Reading<br>(dBuV) | Det | AF T136 (dB/m) | Ampl/Cbl/Ftr/Pad<br>(dB) | Correcte<br>d Reading<br>(dBuV/m) | Average Limit<br>(dBuV/m) | Margin<br>(dB) | Peak Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|---------------------|----------------------------|-----|----------------|--------------------------|-----------------------------------|---------------------------|----------------|------------------------|----------------------|-------------------|----------------|----------|
| 2      | * 5.444             | 40.34                      | Pk  | 34.9           | -17.7                    | 57.54                             | -                         | -              | 74                     | -16.46               | 47                | 110            | H        |
| 6      | * 5.456             | 30.99                      | RMS | 34.9           | -17.6                    | 48.29                             | 54                        | -5.71          | -                      | -                    | 47                | 110            | H        |
| 1      | * 5.46              | 37                         | Pk  | 34.9           | -17.5                    | 54.4                              | -                         | -              | 74                     | -19.6                | 47                | 110            | H        |
| 5      | * 5.46              | 30.44                      | RMS | 34.9           | -17.5                    | 47.84                             | 54                        | -6.16          | -                      | -                    | 47                | 110            | H        |
| 4      | 5.464               | 45.45                      | Pk  | 34.9           | -17.5                    | 62.85                             | -                         | -              | 68.2                   | -5.35                | 47                | 110            | H        |
| 8      | 5.469               | 34.15                      | RMS | 34.9           | -17.5                    | 51.55                             | -                         | -              | -                      | -                    | 47                | 110            | H        |
| 3      | 5.47                | 40.24                      | Pk  | 34.9           | -17.5                    | 57.64                             | -                         | -              | 68.2                   | -10.56               | 47                | 110            | H        |
| 7      | 5.47                | 33.98                      | RMS | 34.9           | -17.5                    | 51.38                             | -                         | -              | -                      | -                    | 47                | 110            | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT

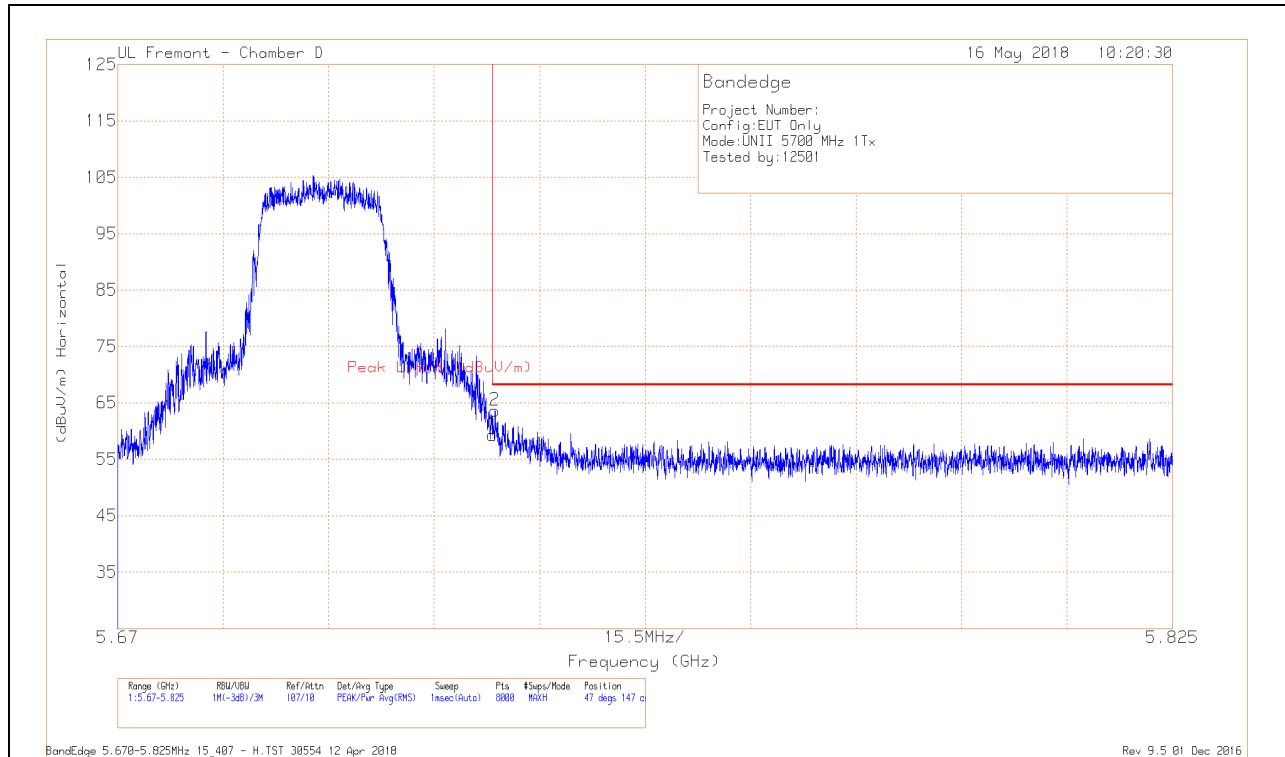


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Ampl/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.46          | 36.2                 | Pk  | 34.9           | -17.5                   | 53.6                       | -                      | -           | 74                  | -20.4          | 50             | 102         | V        |
| 2      | * 5.437         | 41.29                | Pk  | 34.9           | -17.8                   | 58.39                      | -                      | -           | 74                  | -15.61         | 50             | 102         | V        |
| 5      | * 5.46          | 30.63                | RMS | 34.9           | -17.5                   | 48.03                      | 54                     | -5.97       | -                   | -              | 50             | 102         | V        |
| 6      | * 5.458         | 31.13                | RMS | 34.9           | -17.6                   | 48.43                      | 54                     | -5.57       | -                   | -              | 50             | 102         | V        |
| 4      | 5.468           | 45.92                | Pk  | 34.9           | -17.5                   | 63.32                      | -                      | -           | 68.2                | -4.88          | 50             | 102         | V        |
| 3      | 5.47            | 43.53                | Pk  | 34.9           | -17.5                   | 60.93                      | -                      | -           | 68.2                | -7.27          | 50             | 102         | V        |
| 7      | 5.47            | 33.85                | RMS | 34.9           | -17.5                   | 51.25                      | -                      | -           | -                   | -              | 50             | 102         | V        |
| 8      | 5.47            | 34.87                | RMS | 34.9           | -17.5                   | 52.27                      | -                      | -           | -                   | -              | 50             | 102         | V        |

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

# **BANDEDGE (HIGH CHANNEL)**

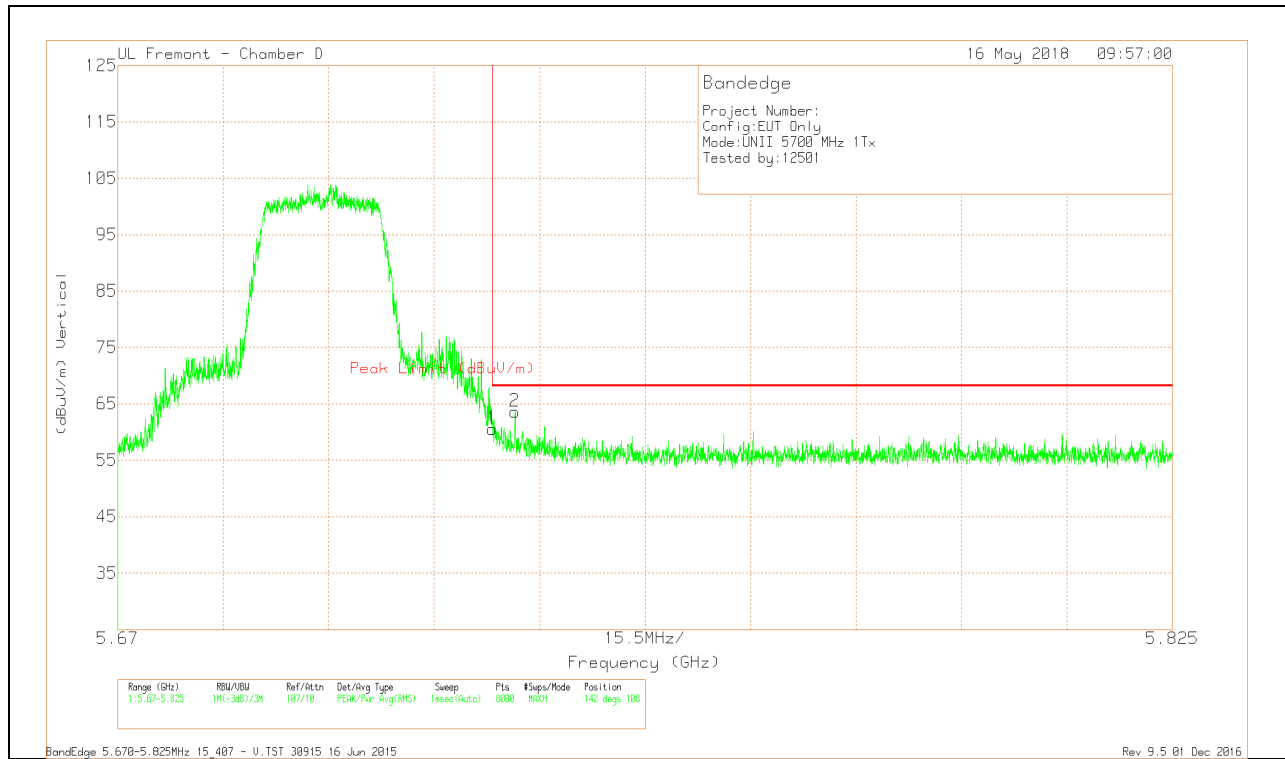
## **HORIZONTAL RESULT**



| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det | AF T136 (dB/m) | Amp/Cbl/Fitr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m) | Peak Limit (dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|-----|----------------|--------------------------|--------------------------------------|---------------------|----------------------|-------------------|----------------|----------|
| 1      | 5.725                  | 40.83                      | Pk  | 35.6           | -17.1                    | 59.33                                | 68.2                | -8.87                | 47                | 147            | H        |
| 2      | 5.725                  | 45.17                      | Pk  | 35.6           | -17.1                    | 63.67                                | 68.2                | -4.53                | 47                | 147            | H        |

Pk - Peak detector

## VERTICAL RESULT



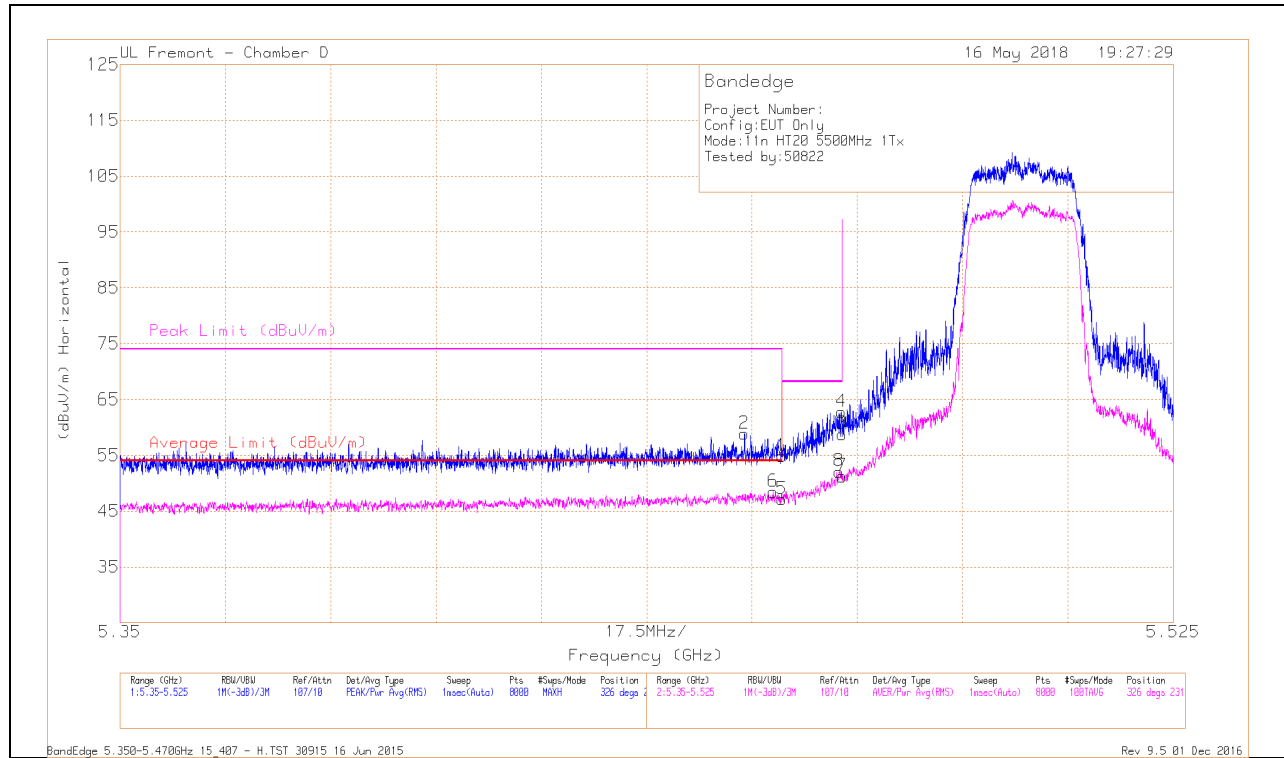
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.725           | 42.09                | Pk  | 35.6           | -17.1                 | 60.59                      | 68.2                | -7.61          | 142            | 108         | V        |
| 2      | 5.728           | 45.17                | Pk  | 35.6           | -17.1                 | 63.67                      | 68.2                | -4.53          | 142            | 108         | V        |

Pk - Peak detector

**1TX Antenna 5 MODE**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**



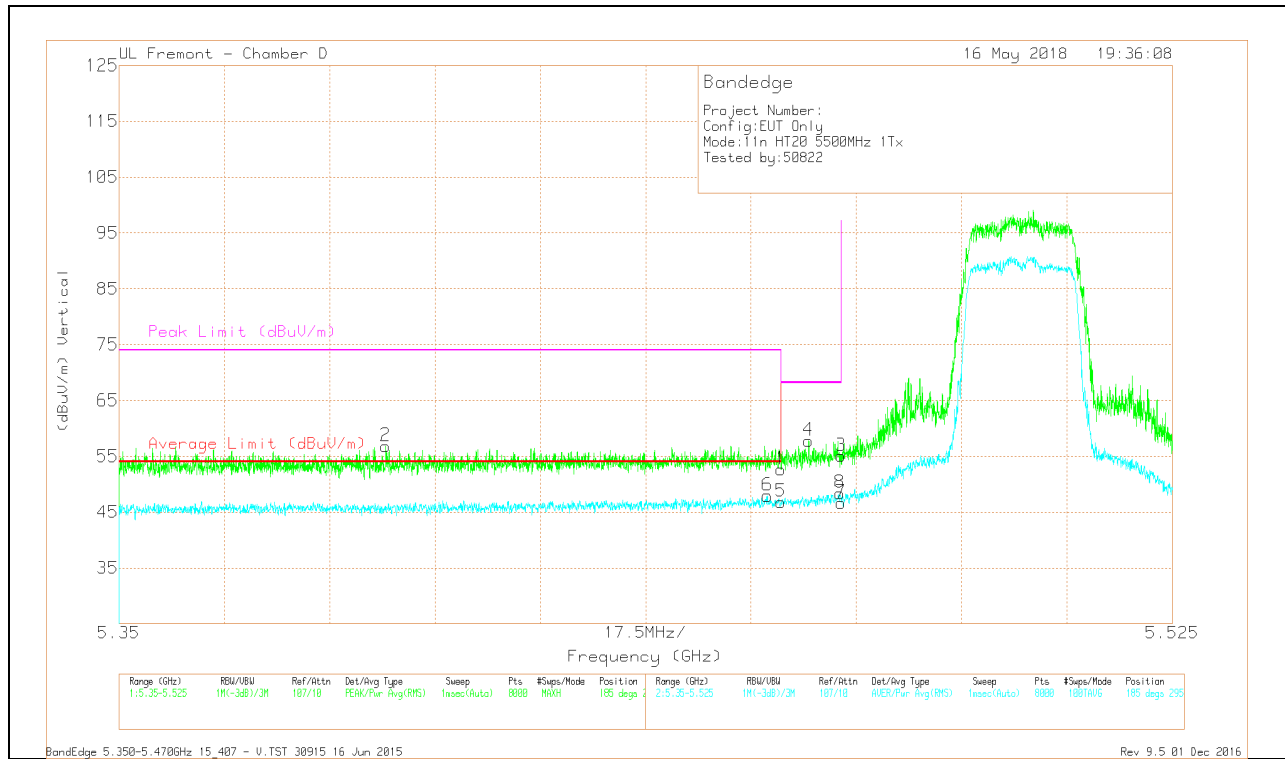
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Ampl/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.46          | 37.43                | Pk  | 34.9           | -17.5                   | 54.83                      | -                      | -           | 74                  | -19.17         | 326            | 231         | H        |
| 2      | * 5.454         | 41.59                | Pk  | 34.9           | -17.6                   | 58.89                      | -                      | -           | 74                  | -15.11         | 326            | 231         | H        |
| 5      | * 5.46          | 29.72                | RMS | 34.9           | -17.5                   | 47.12                      | 54                     | -6.88       | -                   | -              | 326            | 231         | H        |
| 6      | * 5.458         | 31.15                | RMS | 34.9           | -17.6                   | 48.45                      | 54                     | -5.55       | -                   | -              | 326            | 231         | H        |
| 8      | 5.469           | 34.7                 | RMS | 34.9           | -17.5                   | 52.1                       | -                      | -           | -                   | -              | 326            | 231         | H        |
| 3      | 5.47            | 41.41                | Pk  | 34.9           | -17.5                   | 58.81                      | -                      | -           | 68.2                | -9.39          | 326            | 231         | H        |
| 4      | 5.47            | 45.4                 | Pk  | 34.9           | -17.5                   | 62.8                       | -                      | -           | 68.2                | -5.4           | 326            | 231         | H        |
| 7      | 5.47            | 33.86                | RMS | 34.9           | -17.5                   | 51.26                      | -                      | -           | -                   | -              | 326            | 231         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT

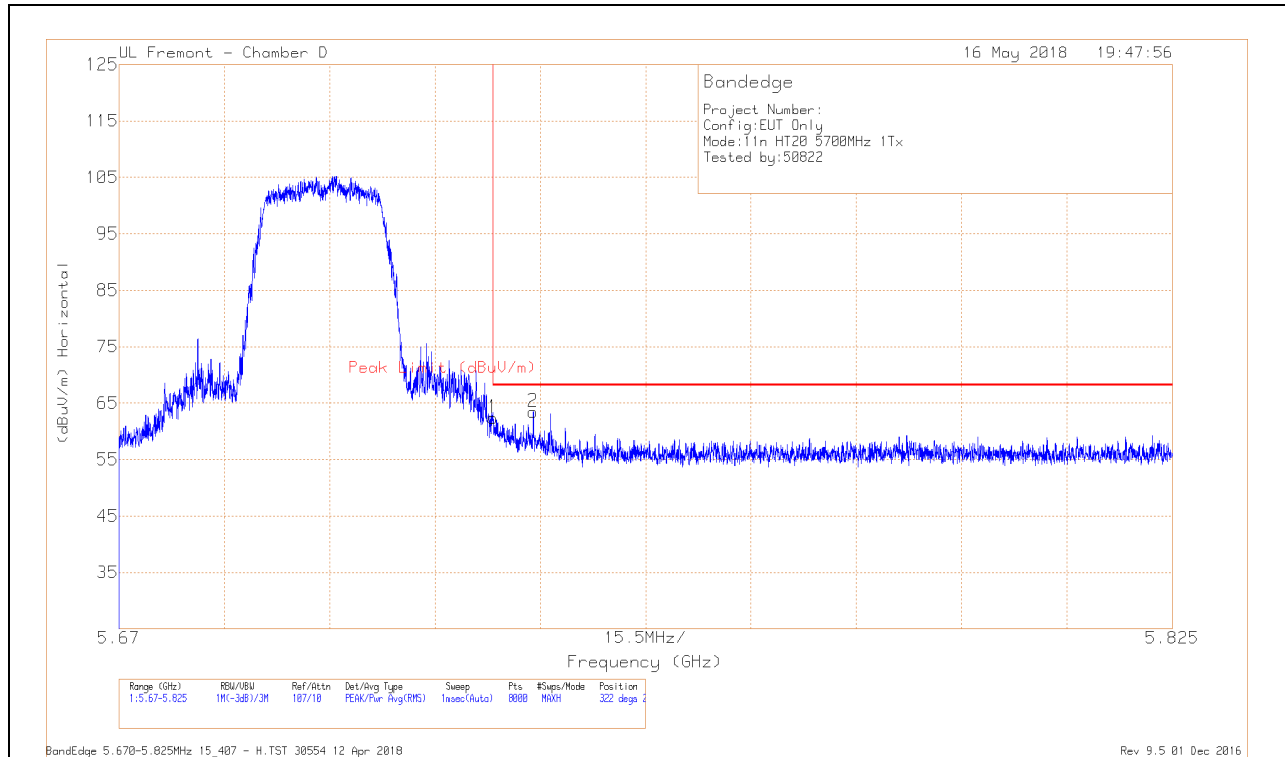


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Ampl/Cbl/Filtr/P ad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|--------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.46          | 35.3                 | Pk  | 34.9           | -17.5                    | 52.7                       | -                      | -           | 74                  | -21.3          | 185            | 295         | V        |
| 2      | * 5.394         | 39.85                | Pk  | 34.9           | -17.9                    | 56.85                      | -                      | -           | 74                  | -17.15         | 185            | 295         | V        |
| 5      | * 5.46          | 29.44                | RMS | 34.9           | -17.5                    | 46.84                      | 54                     | -7.16       | -                   | -              | 185            | 295         | V        |
| 6      | * 5.458         | 30.65                | RMS | 34.9           | -17.6                    | 47.95                      | 54                     | -6.05       | -                   | -              | 185            | 295         | V        |
| 4      | 5.465           | 40.43                | Pk  | 34.9           | -17.5                    | 57.83                      | -                      | -           | 68.2                | -10.37         | 185            | 295         | V        |
| 3      | 5.47            | 37.69                | Pk  | 34.9           | -17.5                    | 55.09                      | -                      | -           | 68.2                | -13.11         | 185            | 295         | V        |
| 7      | 5.47            | 29.3                 | RMS | 34.9           | -17.5                    | 46.7                       | -                      | -           | -                   | -              | 185            | 295         | V        |
| 8      | 5.47            | 31.03                | RMS | 34.9           | -17.5                    | 48.43                      | -                      | -           | -                   | -              | 185            | 295         | V        |

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

# **BANDEDGE (HIGH CHANNEL)**

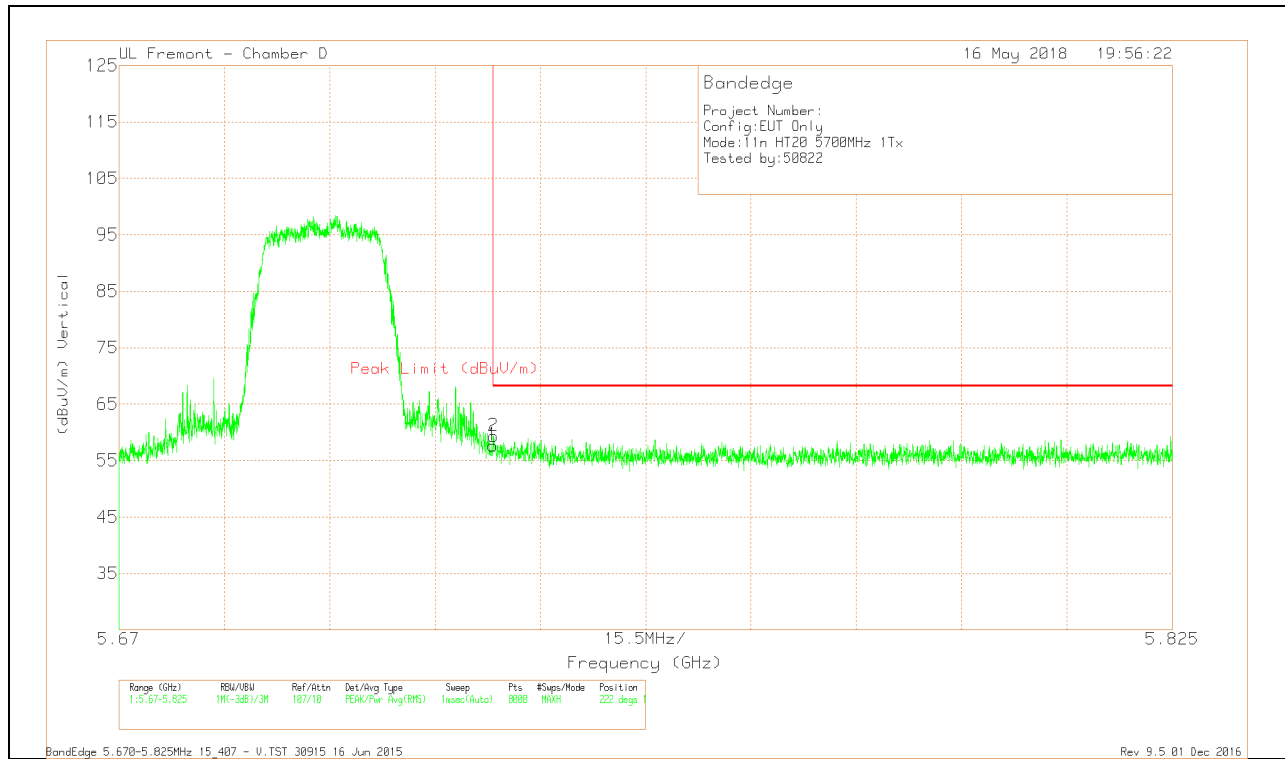
## **HORIZONTAL RESULT**



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.725           | 43.91                | Pk  | 35.6           | -17.1                  | 62.41                      | 68.2                | -5.79          | 322            | 211         | H        |
| 2      | 5.731           | 44.98                | Pk  | 35.6           | -17.1                  | 63.48                      | 68.2                | -4.72          | 322            | 211         | H        |

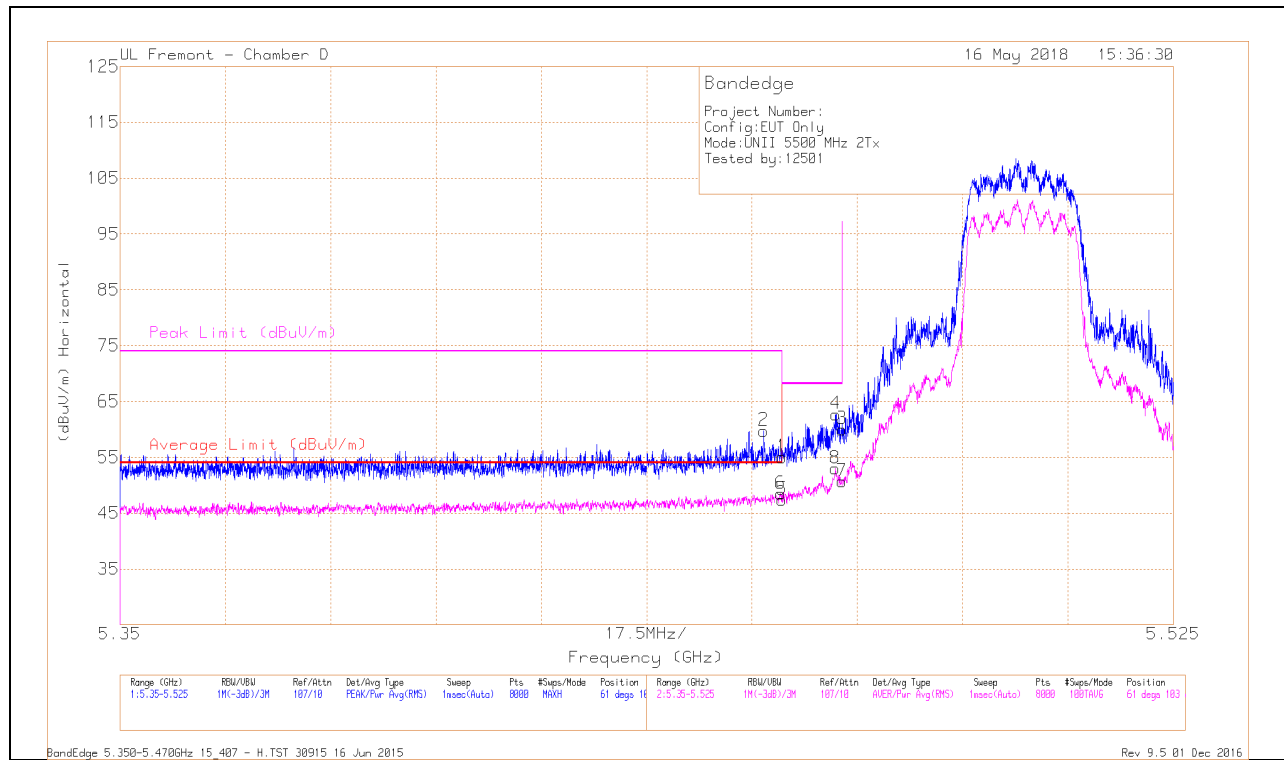
Pk - Peak detector

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.725           | 39.21                | Pk  | 35.6           | -17.1                  | 57.71                      | 68.2                | -10.49         | 222            | 197         | V        |
| 2      | 5.725           | 40.82                | Pk  | 35.6           | -17.1                  | 59.32                      | 68.2                | -8.88          | 222            | 197         | V        |

Pk - Peak detector

**2TX Antenna 6 + Antenna 5 CDD MODE****BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

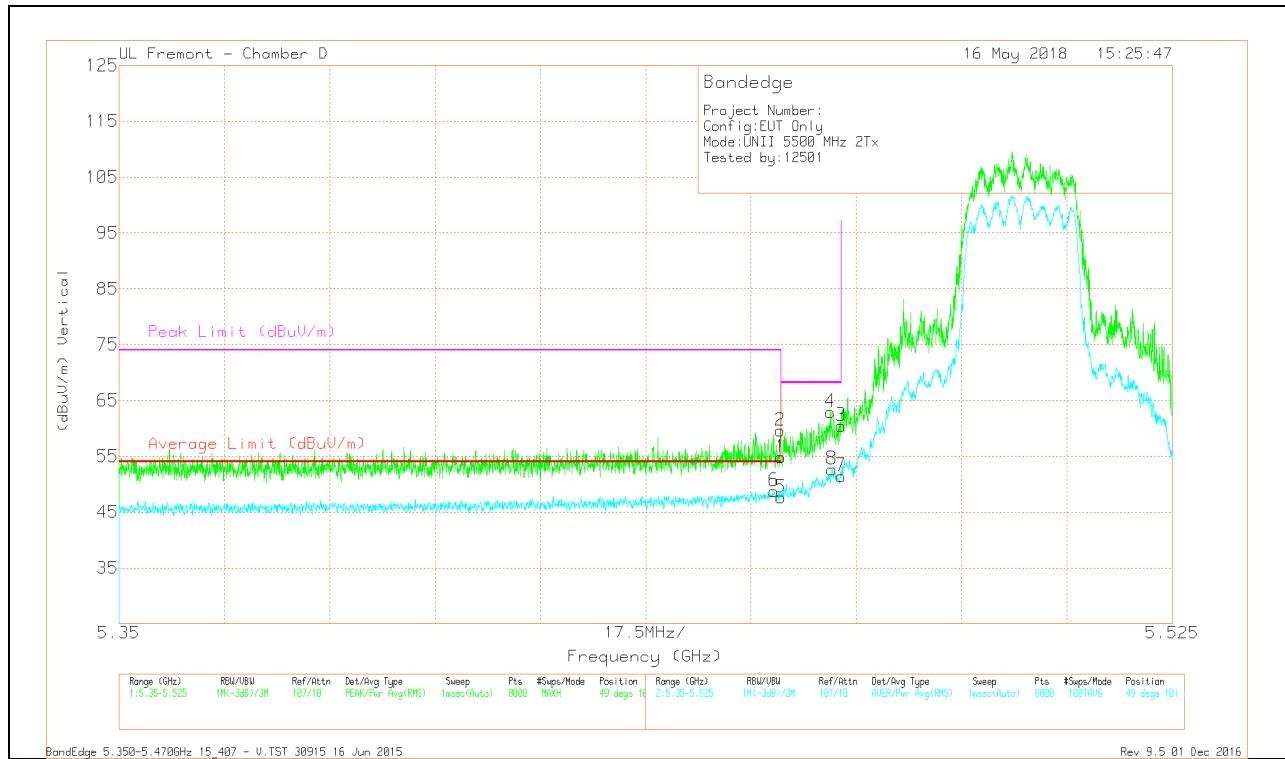
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Ampl/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 5.457         | 42.47                | Pk  | 34.9           | -17.6                   | 59.77                      | -                      | -           | 74                  | -14.23         | 61             | 103         | H        |
| 1      | * 5.46          | 37.65                | Pk  | 34.9           | -17.5                   | 55.05                      | -                      | -           | 74                  | -18.95         | 61             | 103         | H        |
| 5      | * 5.46          | 30.03                | RMS | 34.9           | -17.5                   | 47.43                      | 54                     | -6.57       | -                   | -              | 61             | 103         | H        |
| 6      | * 5.46          | 31.1                 | RMS | 34.9           | -17.5                   | 48.5                       | 54                     | -5.5        | -                   | -              | 61             | 103         | H        |
| 4      | 5.469           | 45.32                | Pk  | 34.9           | -17.5                   | 62.72                      | -                      | -           | 68.2                | -5.48          | 61             | 103         | H        |
| 8      | 5.469           | 35.61                | RMS | 34.9           | -17.5                   | 53.01                      | -                      | -           | -                   | -              | 61             | 103         | H        |
| 3      | 5.47            | 42.64                | Pk  | 34.9           | -17.5                   | 60.04                      | -                      | -           | 68.2                | -8.16          | 61             | 103         | H        |
| 7      | 5.47            | 33.28                | RMS | 34.9           | -17.5                   | 50.68                      | -                      | -           | -                   | -              | 61             | 103         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT

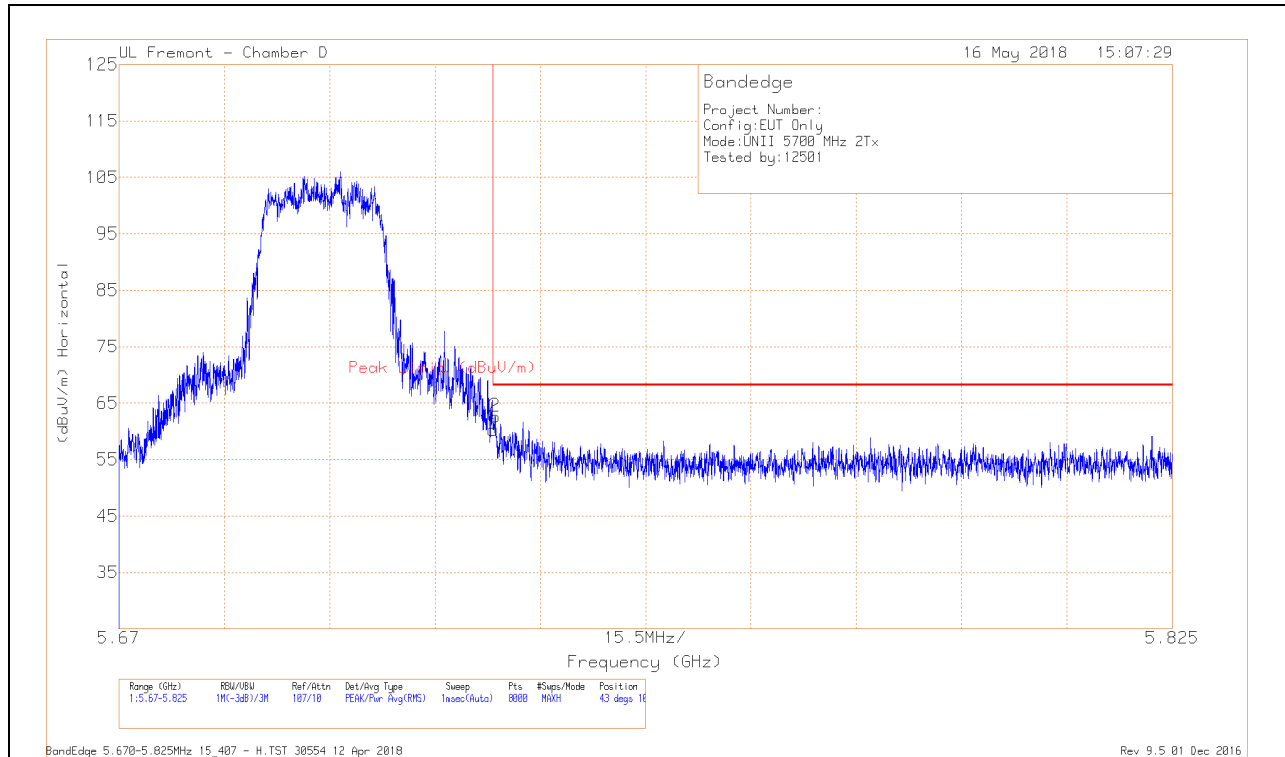


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dBm) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 6      | * 5.459         | 31.49                | RMS | 34.9          | -17.6                  | 48.79                      | 54                     | -5.21       | -                   | -              | 49             | 101         | V        |
| 1      | * 5.46          | 37.43                | Pk  | 34.9          | -17.5                  | 54.83                      | -                      | -           | 74                  | -19.17         | 49             | 101         | V        |
| 2      | * 5.46          | 42.18                | Pk  | 34.9          | -17.5                  | 59.58                      | -                      | -           | 74                  | -14.42         | 49             | 101         | V        |
| 5      | * 5.46          | 30.22                | RMS | 34.9          | -17.5                  | 47.62                      | 54                     | -6.38       | -                   | -              | 49             | 101         | V        |
| 4      | 5.468           | 45.53                | Pk  | 34.9          | -17.5                  | 62.93                      | -                      | -           | 68.2                | -5.27          | 49             | 101         | V        |
| 8      | 5.468           | 35.28                | RMS | 34.9          | -17.5                  | 52.68                      | -                      | -           | -                   | -              | 49             | 101         | V        |
| 3      | 5.47            | 43.09                | Pk  | 34.9          | -17.5                  | 60.49                      | -                      | -           | 68.2                | -7.71          | 49             | 101         | V        |
| 7      | 5.47            | 34.05                | RMS | 34.9          | -17.5                  | 51.45                      | -                      | -           | -                   | -              | 49             | 101         | V        |

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

# **BANDEGE (HIGH CHANNEL)**

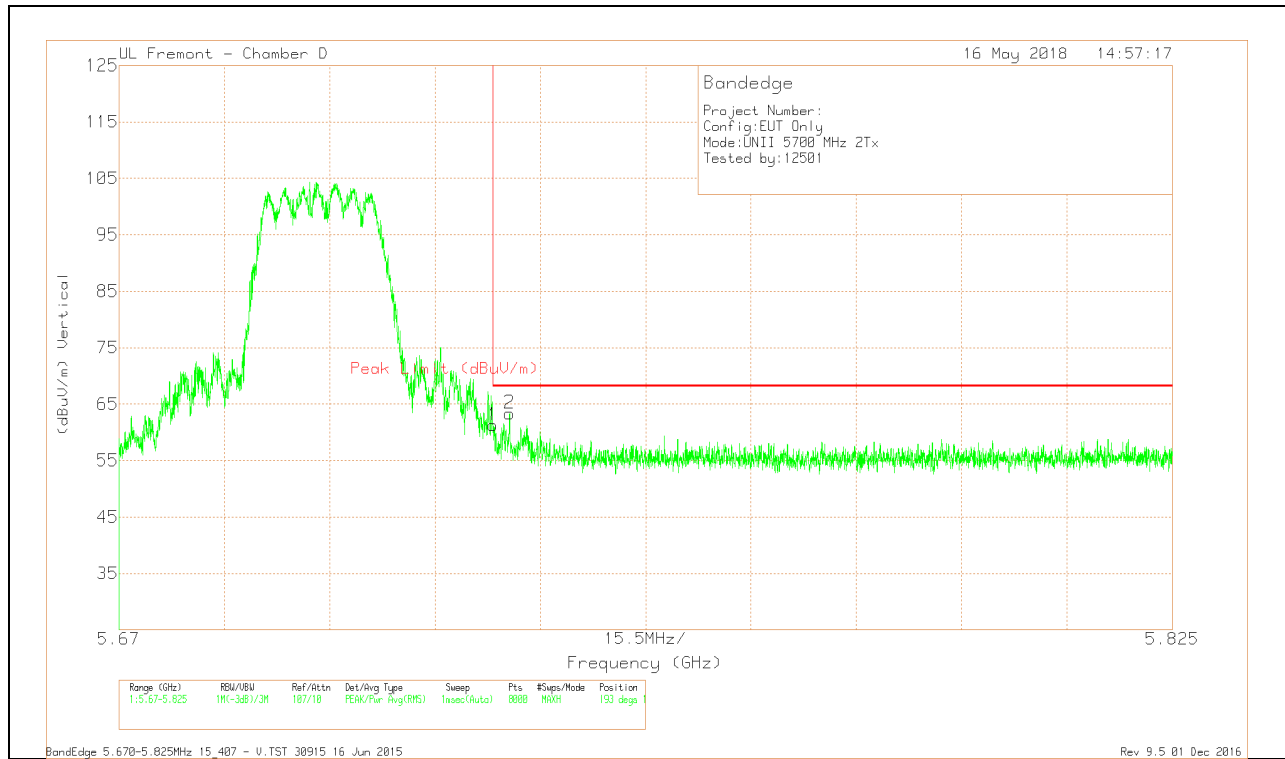
## **HORIZONTAL RESULT**



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.725           | 41.78                | Pk  | 35.6           | -17.1                 | 60.28                      | 68.2                | -7.92          | 43             | 102         | H        |
| 2      | 5.725           | 44.13                | Pk  | 35.6           | -17.1                 | 62.63                      | 68.2                | -5.57          | 43             | 102         | H        |

Pk - Peak detector

## VERTICAL RESULT

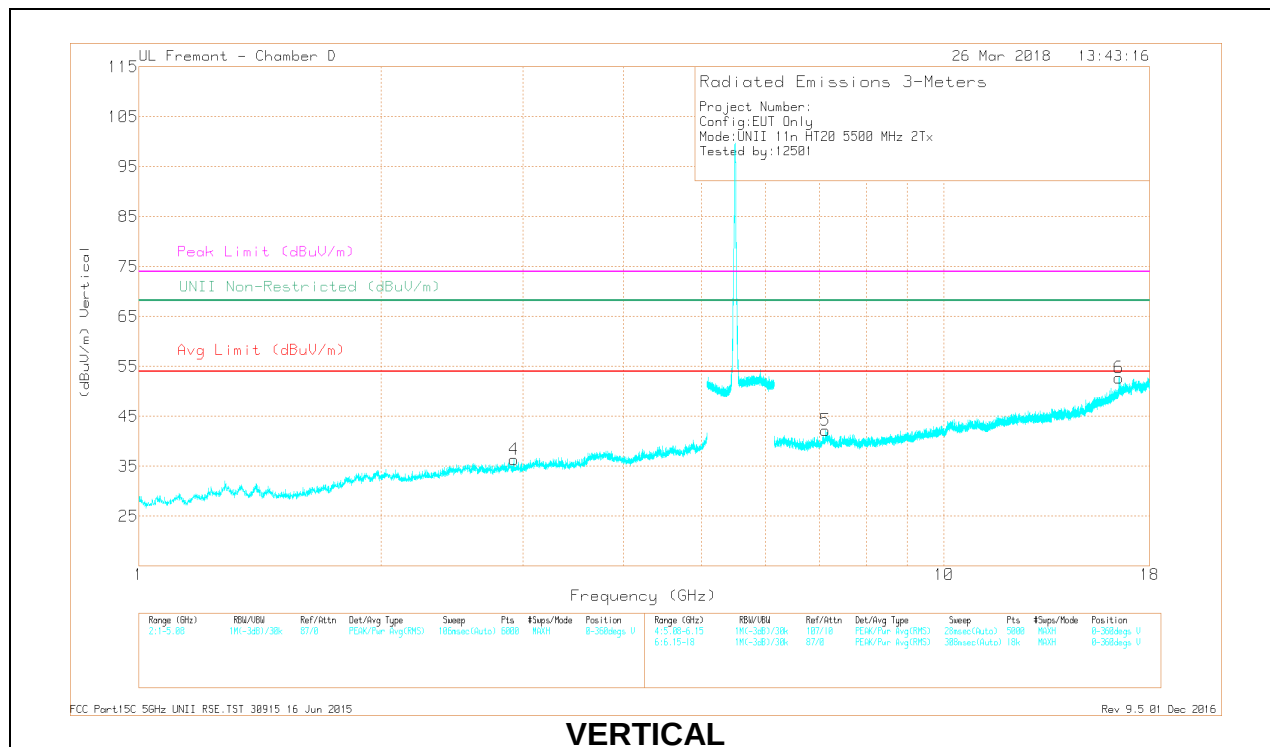
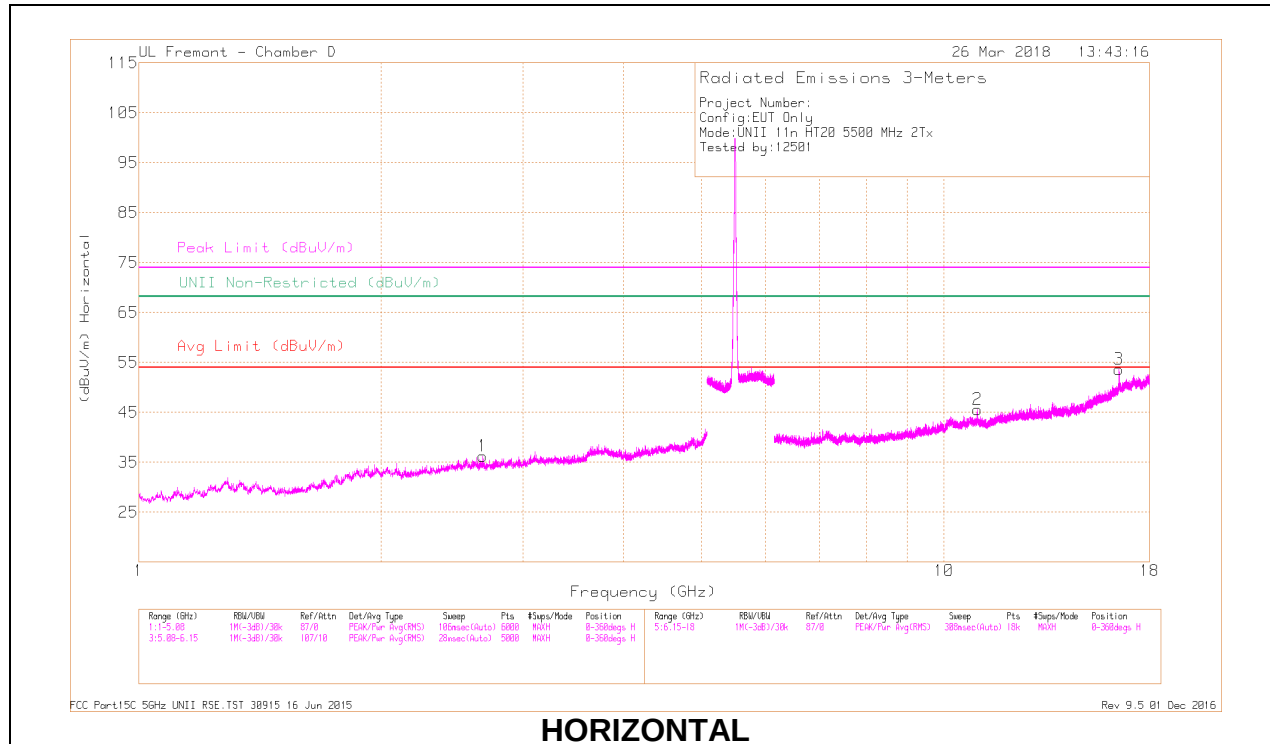


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.725           | 42.76                | Pk  | 35.6           | -17.1                  | 61.26                      | 68.2                | -6.94          | 193            | 101         | V        |
| 2      | 5.727           | 44.87                | Pk  | 35.6           | -17.1                  | 63.37                      | 68.2                | -4.83          | 193            | 101         | V        |

Pk - Peak detector

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



## RADIATED EMISSIONS

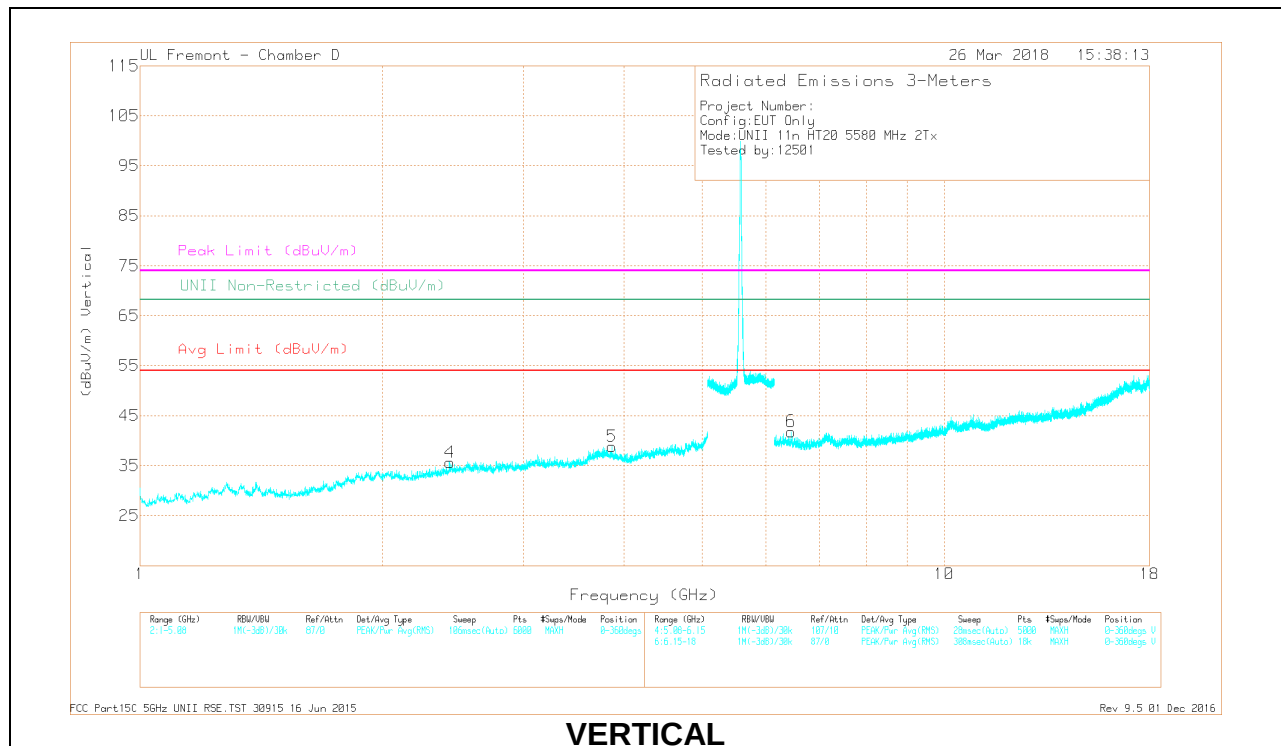
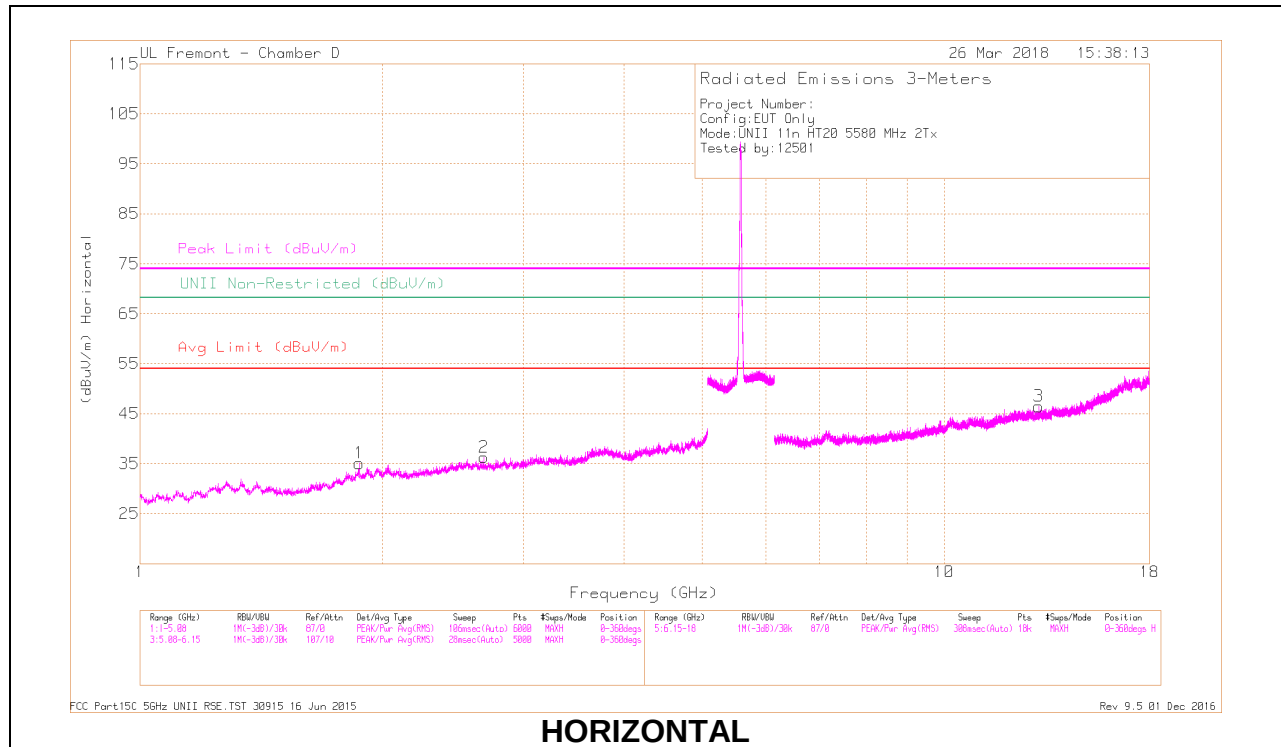
| Markers | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T136 (dBm) | Amp/Cbl/Filt/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Unfil Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---------|-----------------|----------------------|------|---------------|-----------------------|----------------------------|--------------------|-------------|---------------------|----------------|-------------------------------|----------------|----------------|-------------|----------|
| 1       | * 2.673         | 40.32                | PK-U | 32.7          | -30.2                 | 42.82                      | -                  | -           | 74                  | -31.18         | -                             | -              | 356            | 328         | H        |
|         | * 2.672         | 28.17                | ADR  | 32.7          | -30.2                 | 30.67                      | 54                 | -23.33      | -                   | -              | -                             | -              | 356            | 328         | H        |
| 2       | * 10.998        | 34.8                 | PK-U | 37.8          | -20.5                 | 52.1                       | -                  | -           | 74                  | -21.9          | -                             | -              | 318            | 119         | H        |
|         | * 10.999        | 23.73                | ADR  | 37.8          | -20.5                 | 41.03                      | 54                 | -12.97      | -                   | -              | -                             | -              | 318            | 119         | H        |
| 4       | 2.924           | 39                   | PK-U | 32.6          | -29.2                 | 42.4                       | -                  | -           | -                   | -              | 68.2                          | -25.8          | 8              | 384         | V        |
| 5       | 7.125           | 35.98                | PK-U | 36.3          | -23.9                 | 48.38                      | -                  | -           | -                   | -              | 68.2                          | -19.82         | 354            | 310         | V        |
| 3       | 16.492          | 35.6                 | PK-U | 41.9          | -17.6                 | 59.9                       | -                  | -           | -                   | -              | 68.2                          | -8.3           | 314            | 310         | H        |
| 6       | 16.493          | 35.02                | PK-U | 41.9          | -17.6                 | 59.32                      | -                  | -           | -                   | -              | 68.2                          | -8.88          | 216            | 118         | V        |

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

## MID CHANNEL RESULTS



## RADIATED EMISSIONS

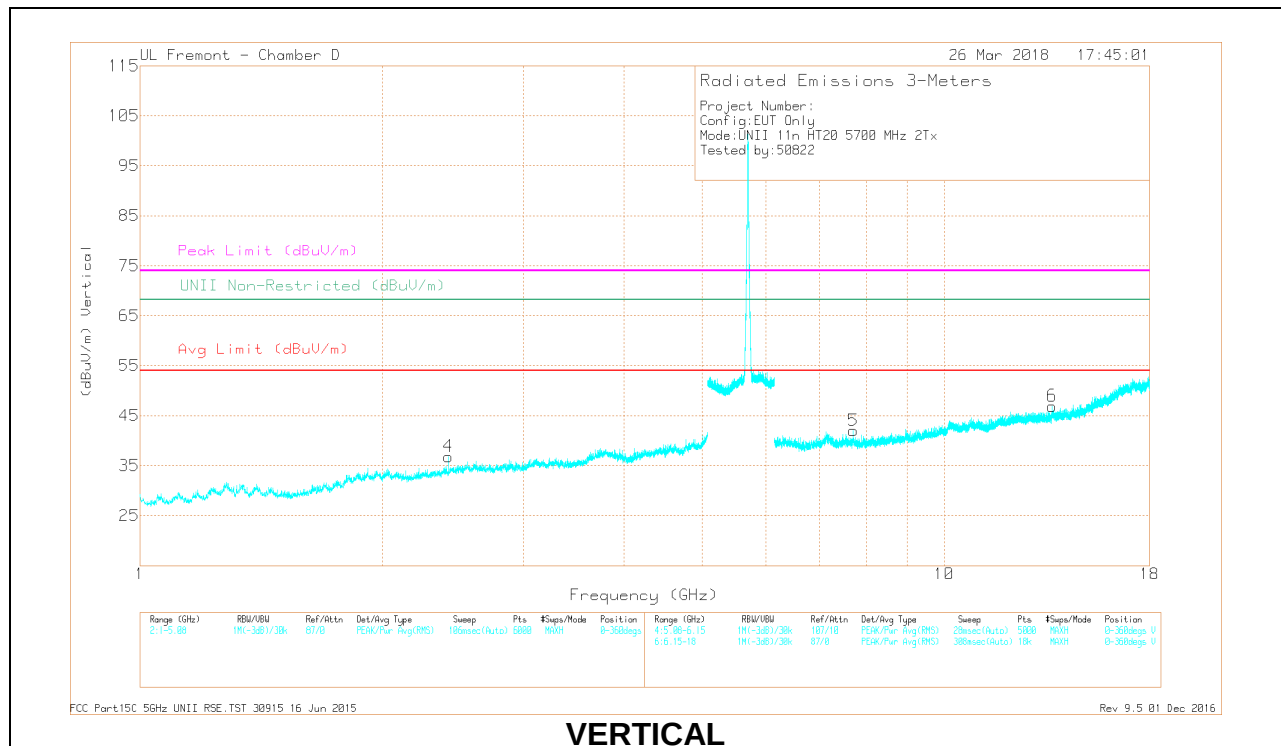
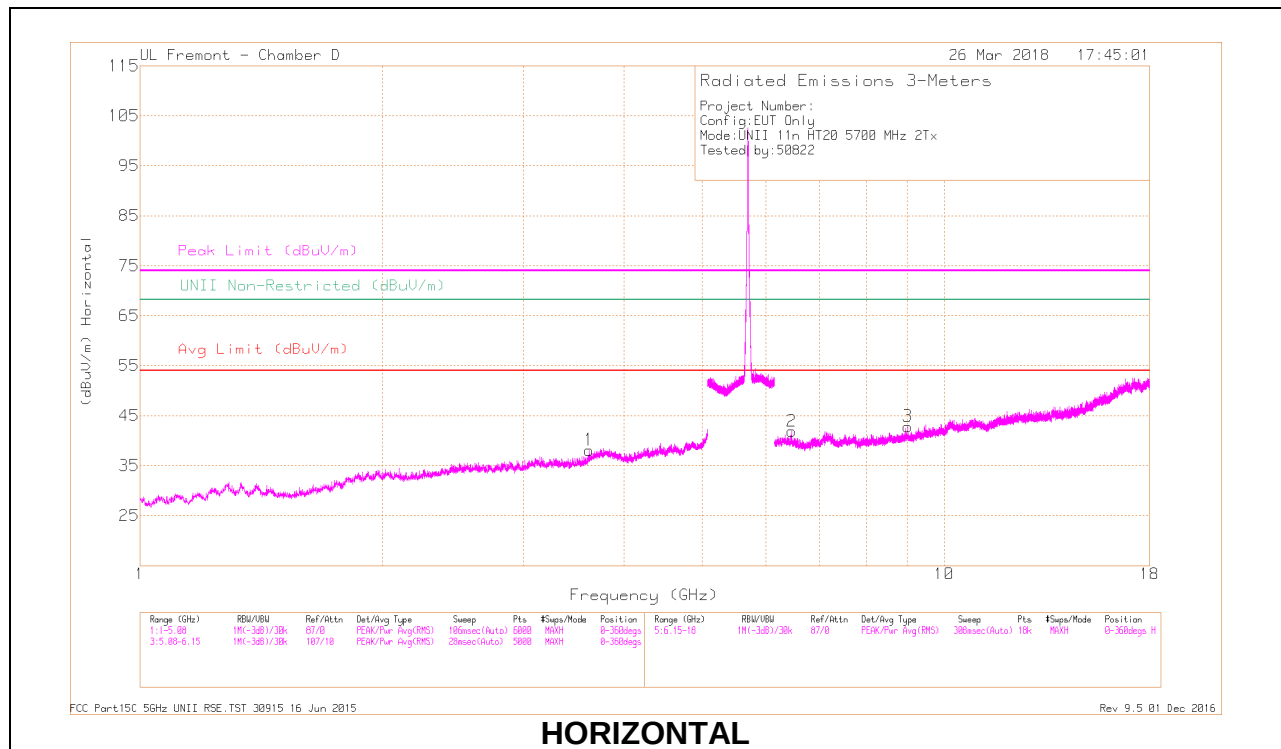
| Markers | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T136 (dBm) | Amp/Cbl/Ftr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m) | Avg Limit<br>(dBuV/m) | Margin<br>(dB) | Peak Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | UNII Non-<br>Restricted<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|---------|------------------------|----------------------------|------|---------------|-------------------------|--------------------------------------|-----------------------|----------------|------------------------|----------------------|-------------------------------------|----------------------|-------------------|----------------|----------|
| 2       | * 2.676                | 39.83                      | PK-U | 32.7          | -30.2                   | 42.33                                | -                     | -              | 74                     | -31.67               | -                                   | -                    | 67                | 187            | H        |
|         | * 2.675                | 28.15                      | ADR  | 32.7          | -30.2                   | 30.65                                | 54                    | -23.35         | -                      | -                    | -                                   | -                    | 67                | 187            | H        |
| 5       | * 3.861                | 39                         | PK-U | 33.6          | -28.6                   | 44                                   | -                     | -              | 74                     | -30                  | -                                   | -                    | 33                | 369            | V        |
|         | * 3.865                | 27.13                      | ADR  | 33.6          | -28.6                   | 32.13                                | 54                    | -21.87         | -                      | -                    | -                                   | -                    | 33                | 369            | V        |
| 1       | 1.872                  | 40.59                      | PK-U | 31.4          | -31.1                   | 40.89                                | -                     | -              | -                      | -                    | 68.2                                | -27.31               | 201               | 142            | H        |
| 4       | 2.43                   | 40.99                      | PK-U | 32.2          | -30.3                   | 42.89                                | -                     | -              | -                      | -                    | 68.2                                | -25.31               | 265               | 249            | V        |
| 6       | 6.451                  | 37.47                      | PK-U | 36            | -25.6                   | 47.87                                | -                     | -              | -                      | -                    | 68.2                                | -20.33               | 264               | 357            | V        |
| 3       | 13.1                   | 34.42                      | PK-U | 39.1          | -21.2                   | 52.32                                | -                     | -              | -                      | -                    | 68.2                                | -15.88               | 51                | 103            | H        |

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

## HIGH CHANNEL RESULTS



## RADIATED EMISSIONS

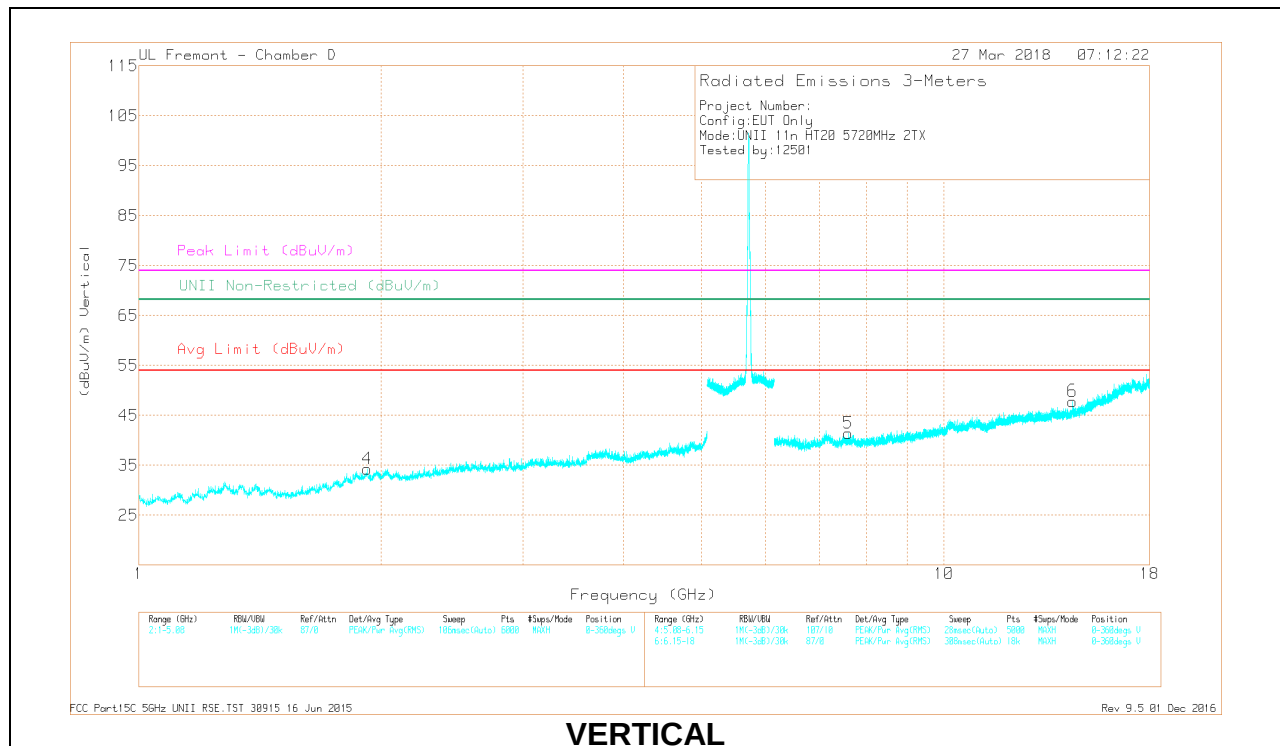
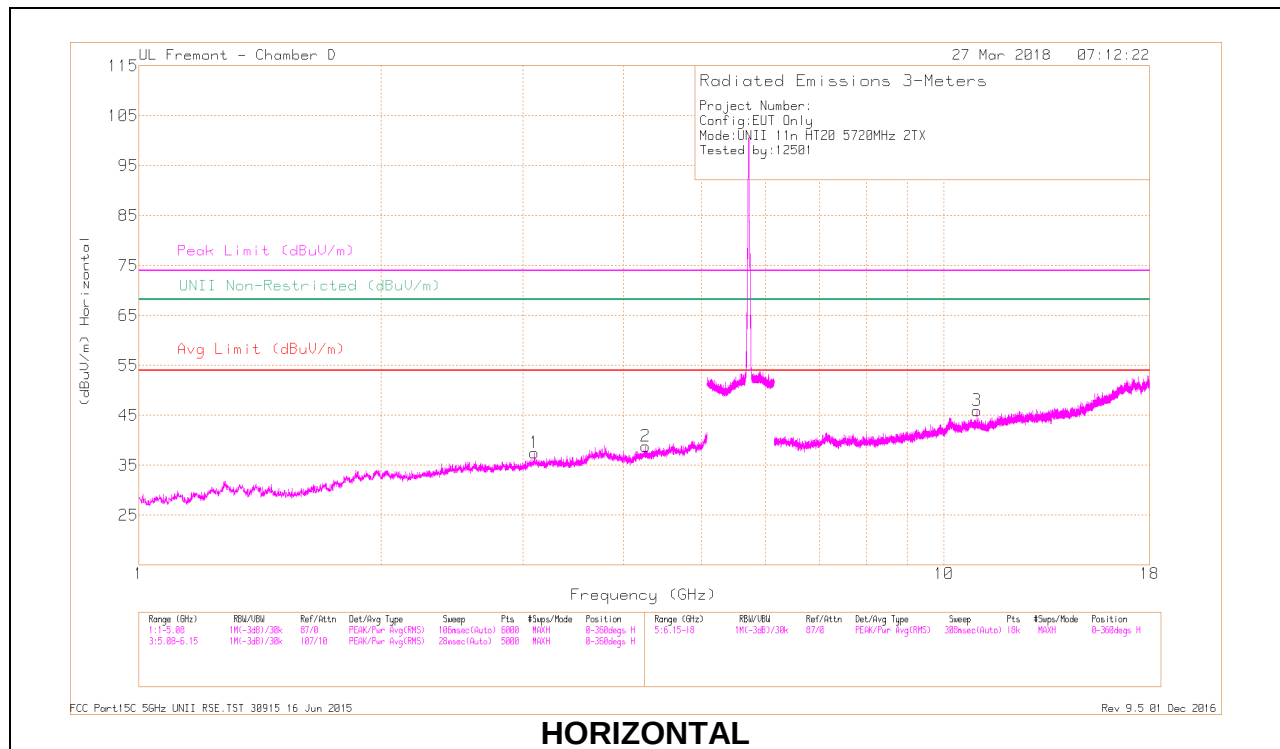
| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T136 (dB/m) | Amp/Cbl/Ftr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m) | Avg Limit<br>(dBuV/m) | Margin<br>(dB) | Peak Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | UNII Non-<br>Restricted<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|------|----------------|-------------------------|--------------------------------------|-----------------------|----------------|------------------------|----------------------|-------------------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 3.617                | 37.97                      | PK-U | 33.6           | -28.7                   | 42.87                                | -                     | -              | 74                     | -31.13               | -                                   | -                    | 4                 | 171            | H        |
|        | * 3.619                | 26.35                      | ADR  | 33.6           | -28.7                   | 31.25                                | 54                    | -22.75         | -                      | -                    | -                                   | -                    | 4                 | 171            | H        |
| 3      | * 9.007                | 34.21                      | PK-U | 36.2           | -22                     | 48.41                                | -                     | -              | 74                     | -25.59               | -                                   | -                    | 32                | 233            | H        |
|        | * 9.006                | 22.57                      | ADR  | 36.2           | -22                     | 36.77                                | 54                    | -17.23         | -                      | -                    | -                                   | -                    | 32                | 233            | H        |
| 5      | * 7.707                | 35.63                      | PK-U | 36             | -23.8                   | 47.83                                | -                     | -              | 74                     | -26.17               | -                                   | -                    | 336               | 117            | V        |
|        | * 7.707                | 23.93                      | ADR  | 36             | -23.8                   | 36.13                                | 54                    | -17.87         | -                      | -                    | -                                   | -                    | 336               | 117            | V        |
| 4      | 2.418                  | 40.7                       | PK-U | 32.1           | -30.5                   | 42.5                                 | -                     | -              | -                      | -                    | 68.2                                | -25.7                | 58                | 347            | V        |
| 2      | 6.461                  | 35.09                      | PK-U | 36             | -25.4                   | 45.69                                | -                     | -              | -                      | -                    | 68.2                                | -22.51               | 239               | 114            | H        |
| 6      | 13.617                 | 34.25                      | PK-U | 39.1           | -22.1                   | 51.25                                | -                     | -              | -                      | -                    | 68.2                                | -16.95               | 315               | 106            | V        |

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

## CHANNEL 144 RESULTS



## RADIATED EMISSIONS

| Markers | Frequen<br>cy<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T136<br>(dB/m) | Amp/Cb<br>l/Filtr/Pa<br>d (dB) | Correct<br>ed<br>Reading<br>(dBuV/<br>m) | Avg<br>Limit<br>(dBuV/<br>m) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/<br>m) | PK<br>Margin<br>(dB) | UNII<br>Non-<br>Restrict<br>ed<br>(dBuV/<br>m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|---------|------------------------|----------------------------|------|-------------------|--------------------------------|------------------------------------------|------------------------------|----------------|-------------------------------|----------------------|------------------------------------------------|----------------------|-------------------|----------------|----------|
| 2       | * 4.26                 | 37.31                      | PK-U | 33.9              | -27.2                          | 44.01                                    | -                            | -              | 74                            | -29.99               | -                                              | -                    | 189               | 327            | H        |
|         | * 4.258                | 25.62                      | ADR  | 33.9              | -27.2                          | 32.32                                    | 54                           | -21.68         | -                             | -                    | -                                              | -                    | 189               | 327            | H        |
| 3       | * 10.983               | 33.39                      | PK-U | 37.8              | -20.6                          | 50.59                                    | -                            | -              | 74                            | -23.41               | -                                              | -                    | 94                | 235            | H        |
|         | * 10.984               | 21.82                      | ADR  | 37.8              | -20.6                          | 39.02                                    | 54                           | -14.98         | -                             | -                    | -                                              | -                    | 94                | 235            | H        |
| 5       | * 7.612                | 35.48                      | PK-U | 36.3              | -24.9                          | 46.88                                    | -                            | -              | 74                            | -27.12               | -                                              | -                    | 169               | 212            | V        |
|         | * 7.61                 | 24.27                      | ADR  | 36.3              | -24.9                          | 35.67                                    | 54                           | -18.33         | -                             | -                    | -                                              | -                    | 169               | 212            | V        |
| 4       | 1.923                  | 41.23                      | PK-U | 31.4              | -30.9                          | 41.73                                    | -                            | -              | -                             | -                    | 68.2                                           | -26.47               | 337               | 248            | V        |
| 1       | 3.1                    | 39.52                      | PK-U | 33.1              | -28.5                          | 44.12                                    | -                            | -              | -                             | -                    | 68.2                                           | -24.08               | 164               | 328            | H        |
| 6       | 14.441                 | 35.69                      | PK-U | 39.4              | -21.4                          | 53.69                                    | -                            | -              | -                             | -                    | 68.2                                           | -14.51               | 0                 | 175            | V        |

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

PK-U - U-NII: Maximum Peak

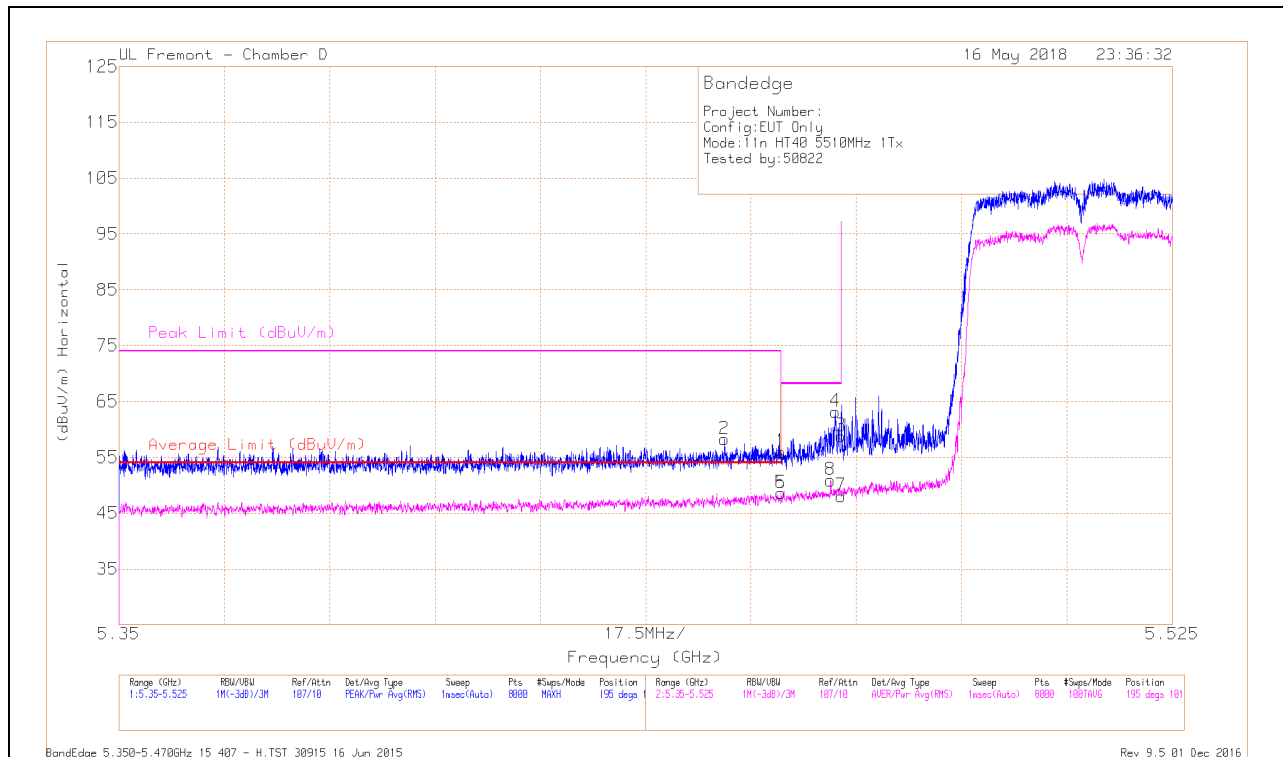
ADR - U-NII AD primary method, RMS average

## 9.1.7. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.6 GHz BAND

### 1TX Antenna 6 MODE

### BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT



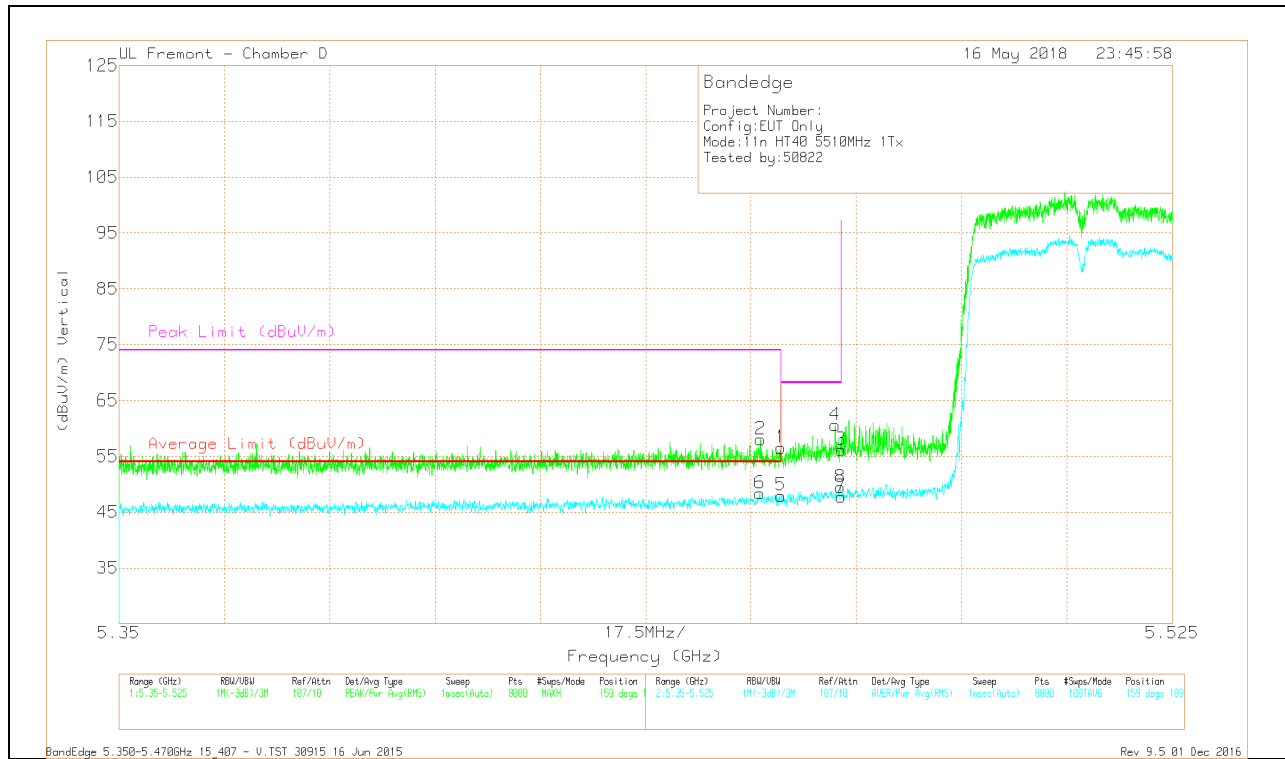
| Marker | Frequen<br>cy (GHz) | Meter<br>Reading<br>(dBuV) | Det | AF T136<br>(dB/m) | Amp/Cbl/<br>Filt/Pad<br>(dB) | DC Corr<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m<br>) | Average<br>Limit<br>(dBuV/m<br>) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m<br>) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|---------------------|----------------------------|-----|-------------------|------------------------------|-----------------|------------------------------------------|----------------------------------|----------------|-------------------------------|----------------------|-------------------|----------------|----------|
| 2      | * 5.451             | 40.97                      | Pk  | 34.9              | -17.6                        | 0               | 58.27                                    | -                                | -              | 74                            | -15.73               | 195               | 101            | H        |
| 1      | * 5.46              | 38.61                      | Pk  | 34.9              | -17.5                        | 0               | 56.01                                    | -                                | -              | 74                            | -17.99               | 195               | 101            | H        |
| 5      | * 5.46              | 31.1                       | RMS | 34.9              | -17.5                        | .1              | 48.6                                     | 54                               | -5.4           | -                             | -                    | 195               | 101            | H        |
| 6      | * 5.46              | 31.11                      | RMS | 34.9              | -17.5                        | .1              | 48.61                                    | 54                               | -5.39          | -                             | -                    | 195               | 101            | H        |
| 8      | 5.468               | 33.39                      | RMS | 34.9              | -17.5                        | .1              | 50.89                                    | -                                | -              | -                             | -                    | 195               | 101            | H        |
| 4      | 5.469               | 45.77                      | Pk  | 34.9              | -17.5                        | 0               | 63.17                                    | -                                | -              | 68.2                          | -5.03                | 195               | 101            | H        |
| 3      | 5.47                | 41.4                       | Pk  | 34.9              | -17.5                        | 0               | 58.8                                     | -                                | -              | 68.2                          | -9.4                 | 195               | 101            | H        |
| 7      | 5.47                | 30.54                      | RMS | 34.9              | -17.5                        | .1              | 48.04                                    | -                                | -              | -                             | -                    | 195               | 101            | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT

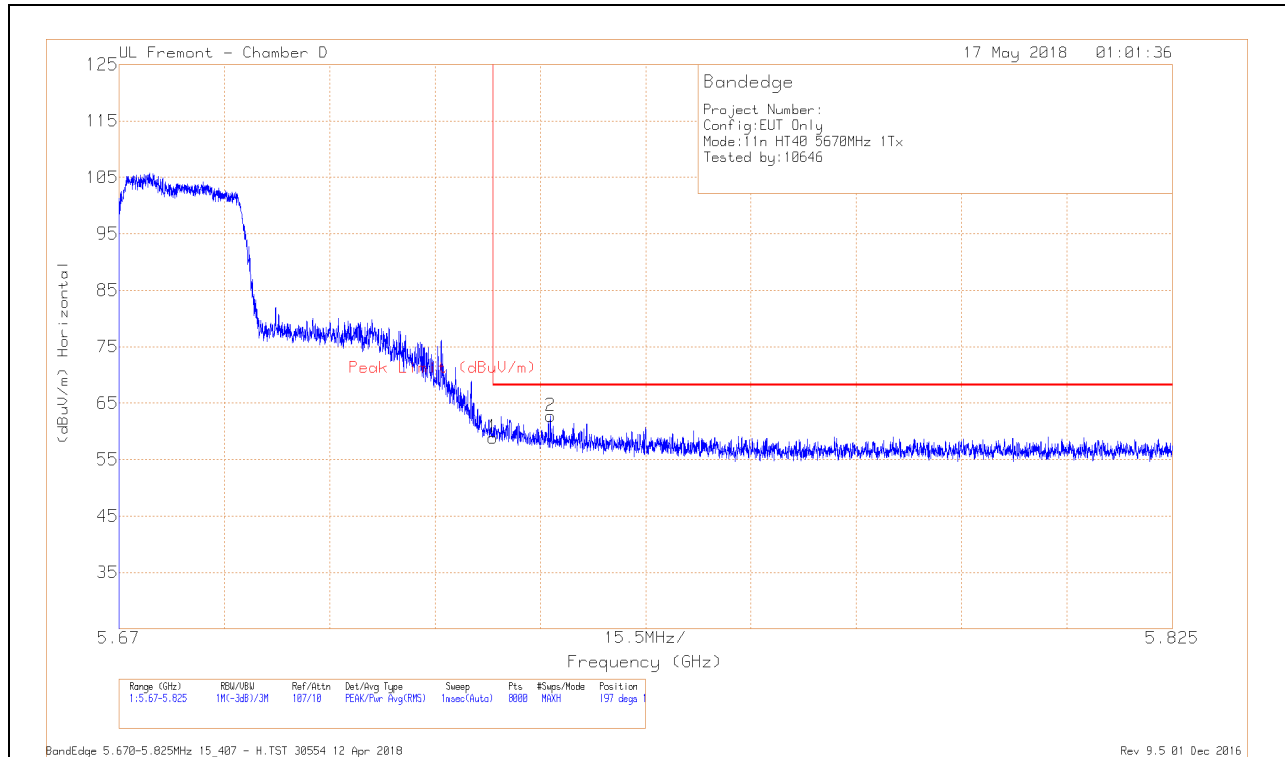


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dBm) | Amp/Cbl/Fitr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Altitude (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|-----------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|-----------------|-------------|----------|
| 6      | *5.456          | 30.94                | RMS | 34.9          | -17.6                 | .1           | 48.34                      | 54                     | -5.66       | -                   | -              | 159             | 109         | V        |
| 2      | *5.457          | 40.73                | Pk  | 34.9          | -17.6                 | 0            | 58.03                      | -                      | -           | 74                  | -15.97         | 159             | 109         | V        |
| 1      | *5.46           | 39.12                | Pk  | 34.9          | -17.5                 | 0            | 56.52                      | -                      | -           | 74                  | -17.48         | 159             | 109         | V        |
| 5      | *5.46           | 30.44                | RMS | 34.9          | -17.5                 | .1           | 47.94                      | 54                     | -6.06       | -                   | -              | 159             | 109         | V        |
| 4      | 5.469           | 43.2                 | Pk  | 34.9          | -17.5                 | 0            | 60.6                       | -                      | -           | 68.2                | -7.6           | 159             | 109         | V        |
| 3      | 5.47            | 38.75                | Pk  | 34.9          | -17.5                 | 0            | 56.15                      | -                      | -           | 68.2                | -12.05         | 159             | 109         | V        |
| 7      | 5.47            | 30.23                | RMS | 34.9          | -17.5                 | .1           | 47.73                      | -                      | -           | -                   | -              | 159             | 109         | V        |
| 8      | 5.47            | 31.98                | RMS | 34.9          | -17.5                 | .1           | 49.48                      | -                      | -           | -                   | -              | 159             | 109         | V        |

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

# **BANDEDGE (HIGH CHANNEL)**

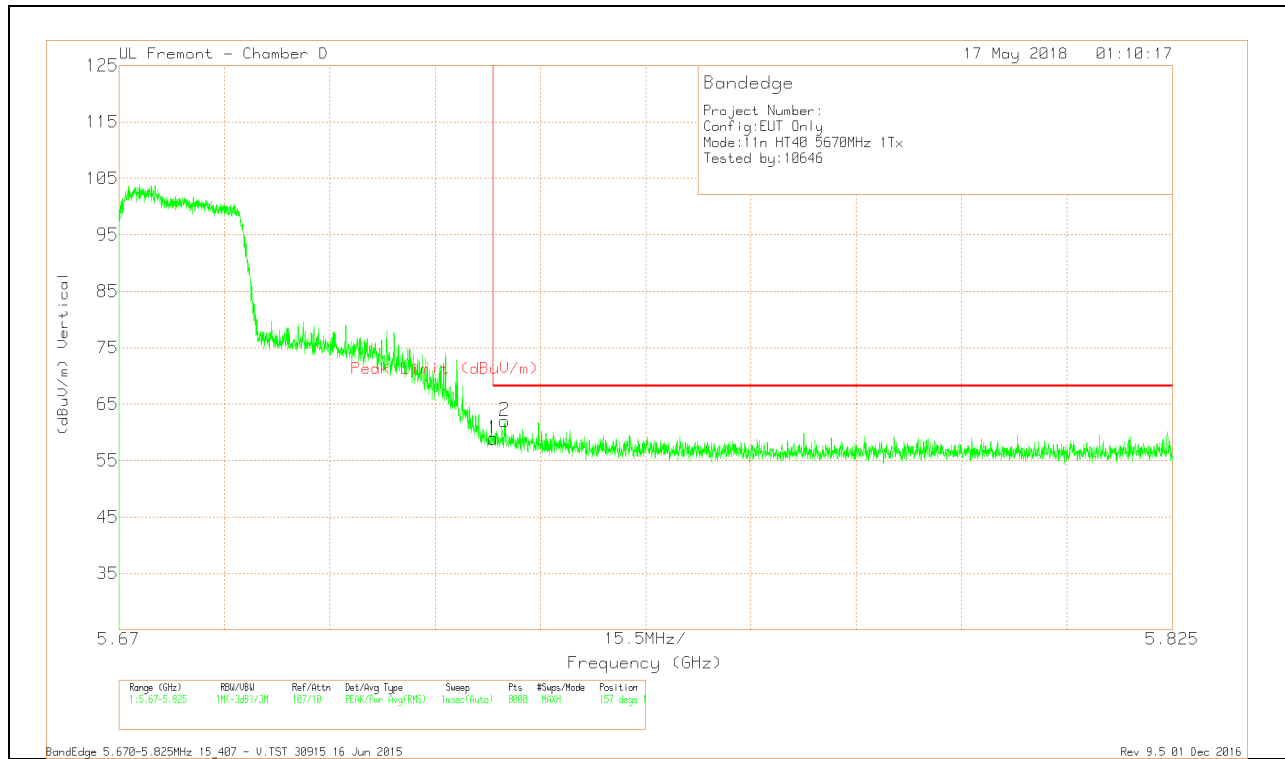
## **HORIZONTAL RESULT**



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.725           | 40.4                 | Pk  | 35.6           | -17.1                 | 58.9                       | 68.2                | -9.3           | 197            | 105         | H        |
| 2      | 5.733           | 44.21                | Pk  | 35.6           | -17.1                 | 62.71                      | 68.2                | -5.49          | 197            | 105         | H        |

Pk - Peak detector

## VERTICAL RESULT



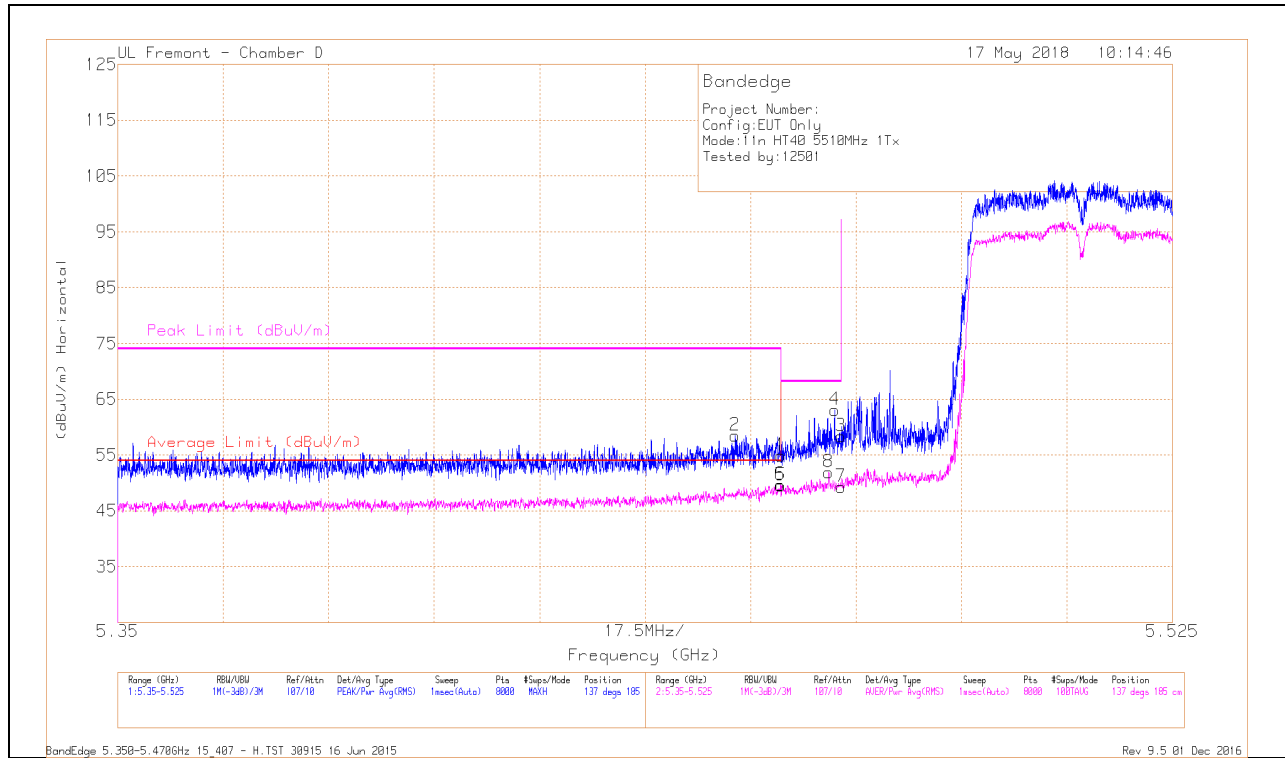
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.725           | 40.44                | Pk  | 35.6           | -17.1                 | 58.94                      | 68.2                | -9.26          | 157            | 113         | V        |
| 2      | 5.727           | 43.56                | Pk  | 35.6           | -17.1                 | 62.06                      | 68.2                | -6.14          | 157            | 113         | V        |

Pk - Peak detector

**1TX Antenna 5 MODE**

**BANDEDGE (LOW CHANNEL)**

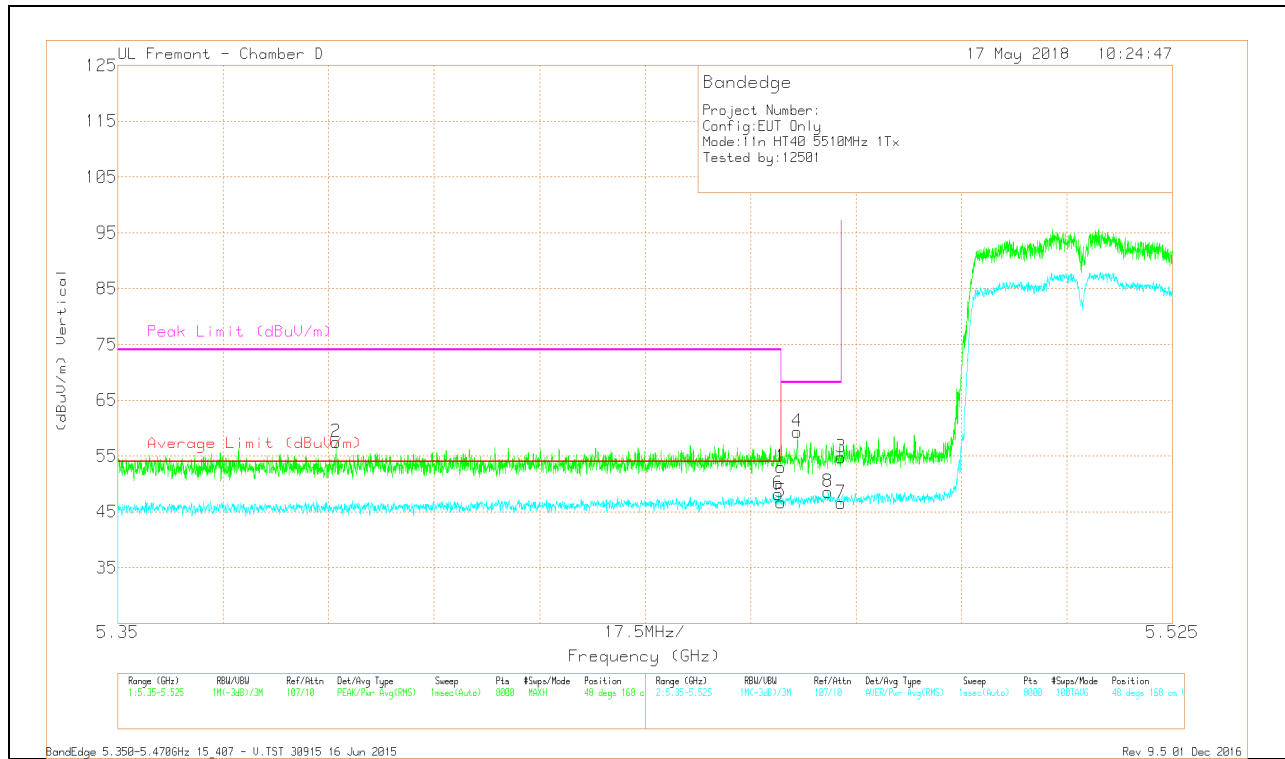
**HORIZONTAL RESULT**



| Marker | Frequenc<br>y (GHz) | Meter<br>Reading<br>(dBuV) | Det | AF T136 (dB/m) | Amp/Cb/IFtr/Pad<br>(dB) | DC Corr (dB) | Correcte<br>d Reading<br>(dBuV/m) | Average Limit<br>(dBuV/m) | Margin<br>(dB) | Peak Limit (dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|---------------------|----------------------------|-----|----------------|-------------------------|--------------|-----------------------------------|---------------------------|----------------|---------------------|----------------------|-------------------|----------------|----------|
| 1      | * 5.46              | 37.5                       | Pk  | 34.9           | -17.5                   | 0            | 54.9                              | -                         | -              | 74                  | -19.1                | 137               | 185            | H        |
| 2      | * 5.452             | 41.19                      | Pk  | 34.9           | -17.6                   | 0            | 58.49                             | -                         | -              | 74                  | -15.51               | 137               | 185            | H        |
| 5      | * 5.46              | 32.02                      | RMS | 34.9           | -17.5                   | .1           | 49.52                             | 54                        | -4.48          | -                   | -                    | 137               | 185            | H        |
| 6      | * 5.46              | 32.2                       | RMS | 34.9           | -17.5                   | .1           | 49.7                              | 54                        | -4.3           | -                   | -                    | 137               | 185            | H        |
| 8      | 5.468               | 34.43                      | RMS | 34.9           | -17.5                   | .1           | 51.93                             | -                         | -              | -                   | -                    | 137               | 185            | H        |
| 4      | 5.469               | 45.67                      | Pk  | 34.9           | -17.5                   | 0            | 63.07                             | -                         | -              | 68.2                | -5.13                | 137               | 185            | H        |
| 3      | 5.47                | 40.91                      | Pk  | 34.9           | -17.5                   | 0            | 58.31                             | -                         | -              | 68.2                | -9.89                | 137               | 185            | H        |
| 7      | 5.47                | 31.78                      | RMS | 34.9           | -17.5                   | .1           | 49.28                             | -                         | -              | -                   | -                    | 137               | 185            | H        |

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

## VERTICAL RESULT



| Marker | Frequenc<br>y (GHz) | Meter<br>Reading<br>(dBuV) | Det | AF T136 (dBim) | Amp/Cbl/Fitr/Pad (dB) | DC Corr (dB) | Correcte<br>d Reading<br>(dBuV/m) | Average Limit (dBuV/m) | Margin<br>(dB) | Peak Limit (dBuV/m) | PK<br>Margin<br>(dB) | Altitude<br>(Degs) | Height<br>(cm) | Polarity |
|--------|---------------------|----------------------------|-----|----------------|-----------------------|--------------|-----------------------------------|------------------------|----------------|---------------------|----------------------|--------------------|----------------|----------|
| 2      | * 5.386             | 40.58                      | Pk  | 34.9           | -18                   | 0            | 57.48                             | -                      | -              | 74                  | -16.52               | 48                 | 168            | V        |
| 1      | * 5.46              | 35.64                      | Pk  | 34.9           | -17.5                 | 0            | 53.04                             | -                      | -              | 74                  | -20.96               | 48                 | 168            | V        |
| 5      | * 5.46              | 29.25                      | RMS | 34.9           | -17.5                 | .1           | 46.75                             | 54                     | -7.25          | -                   | -                    | 48                 | 168            | V        |
| 6      | * 5.46              | 30.67                      | RMS | 34.9           | -17.5                 | .1           | 48.17                             | 54                     | -5.83          | -                   | -                    | 48                 | 168            | V        |
| 4      | 5.463               | 41.95                      | Pk  | 34.9           | -17.5                 | 0            | 59.35                             | -                      | -              | 68.2                | -8.85                | 48                 | 168            | V        |
| 8      | 5.468               | 31                         | RMS | 34.9           | -17.5                 | .1           | 48.5                              | -                      | -              | -                   | -                    | 48                 | 168            | V        |
| 3      | 5.47                | 37.31                      | Pk  | 34.9           | -17.5                 | 0            | 54.71                             | -                      | -              | 68.2                | -13.49               | 48                 | 168            | V        |
| 7      | 5.47                | 29.12                      | RMS | 34.9           | -17.5                 | .1           | 46.62                             | -                      | -              | -                   | -                    | 48                 | 168            | V        |

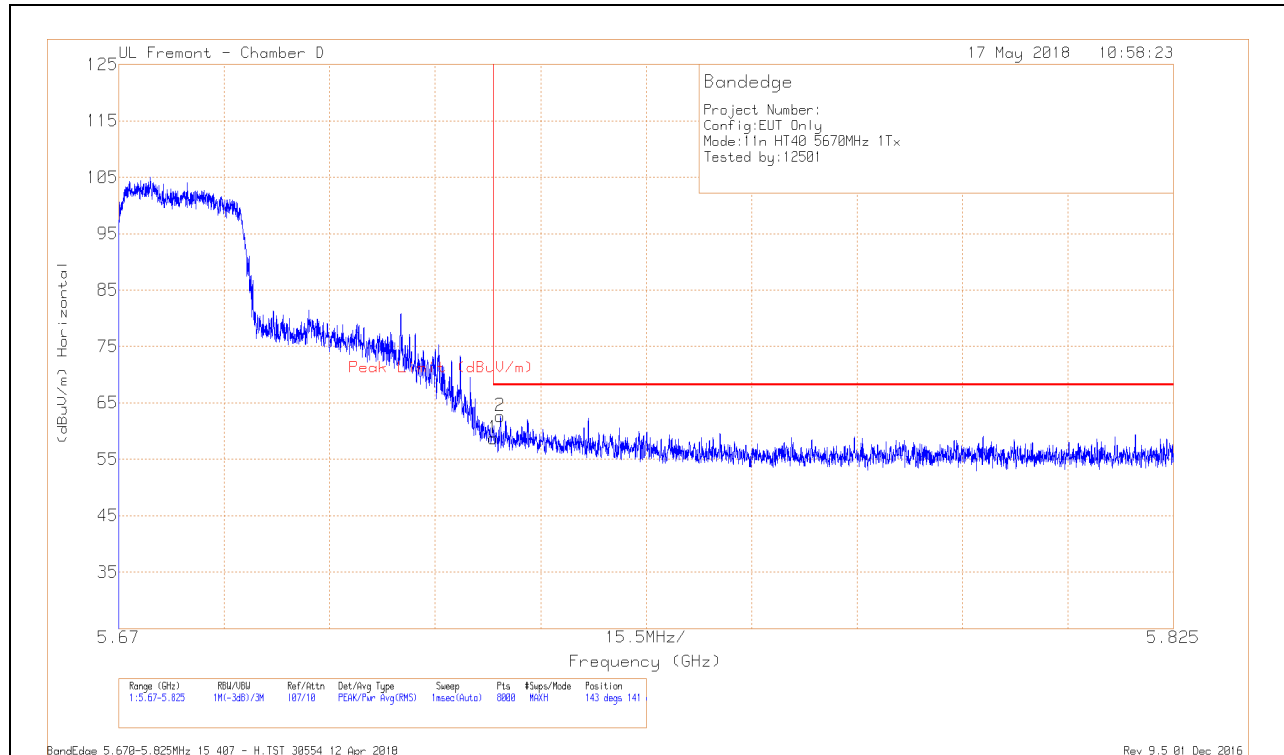
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## BANDEDGE (HIGH CHANNEL)

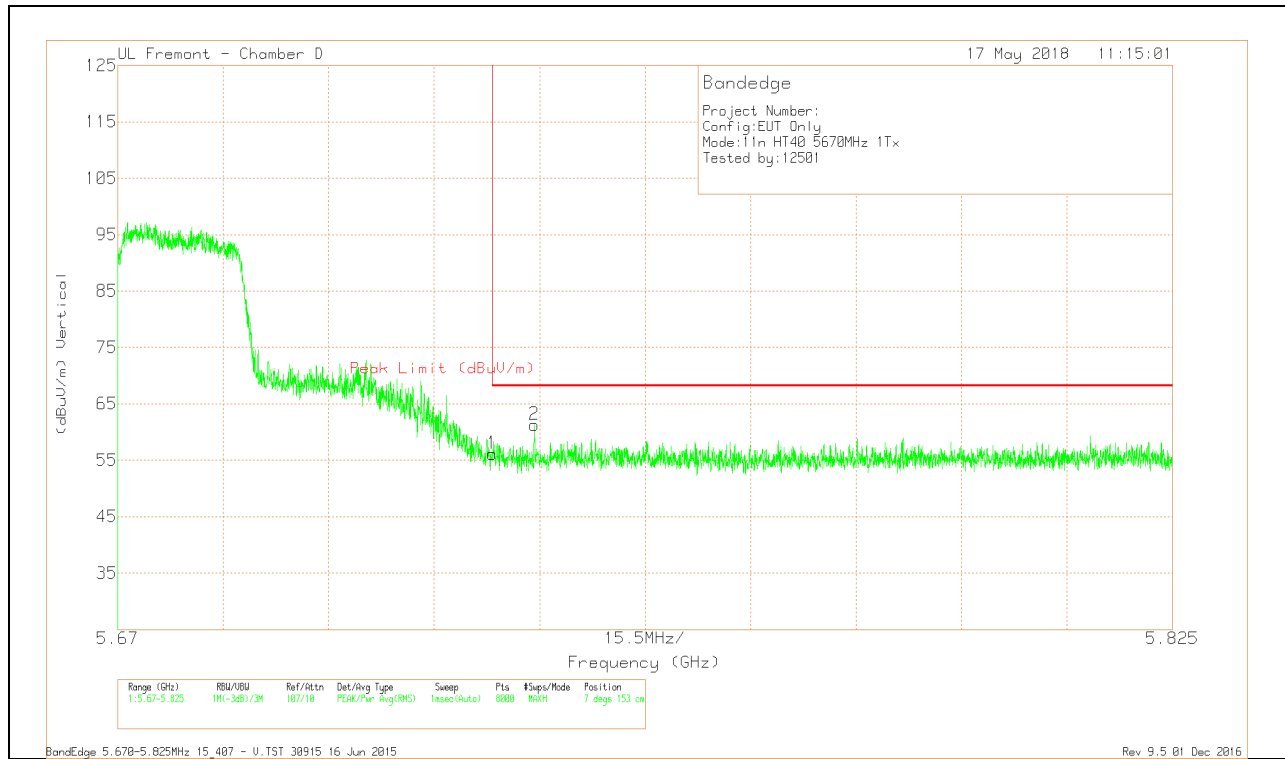
## HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|--------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.725           | 40.24                | Pk  | 35.6           | -17.1                  | 0            | 58.74                      | 68.2                | -9.46          | 143            | 141         | H        |
| 2      | 5.726           | 44.16                | Pk  | 35.6           | -17.1                  | 0            | 62.66                      | 68.2                | -5.54          | 143            | 141         | H        |

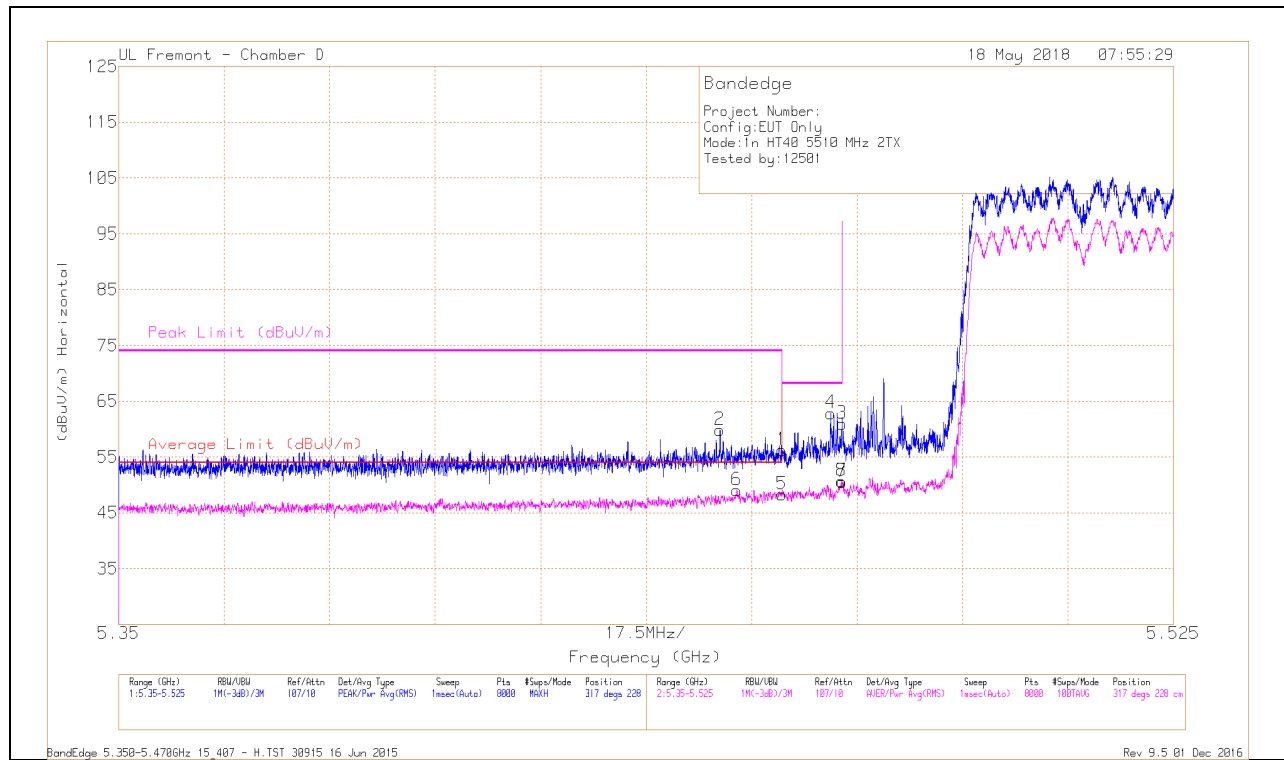
Pk - Peak detector

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Ampl/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|--------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.725           | 37.64                | Pk  | 35.6           | -17.1                   | 0            | 56.14                      | 68.2                | -12.06         | 7              | 153         | V        |
| 2      | 5.731           | 42.77                | Pk  | 35.6           | -17.1                   | 0            | 61.27                      | 68.2                | -6.93          | 7              | 153         | V        |

Pk - Peak detector

**2TX Antenna 6 + Antenna 5 CDD MODE****BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

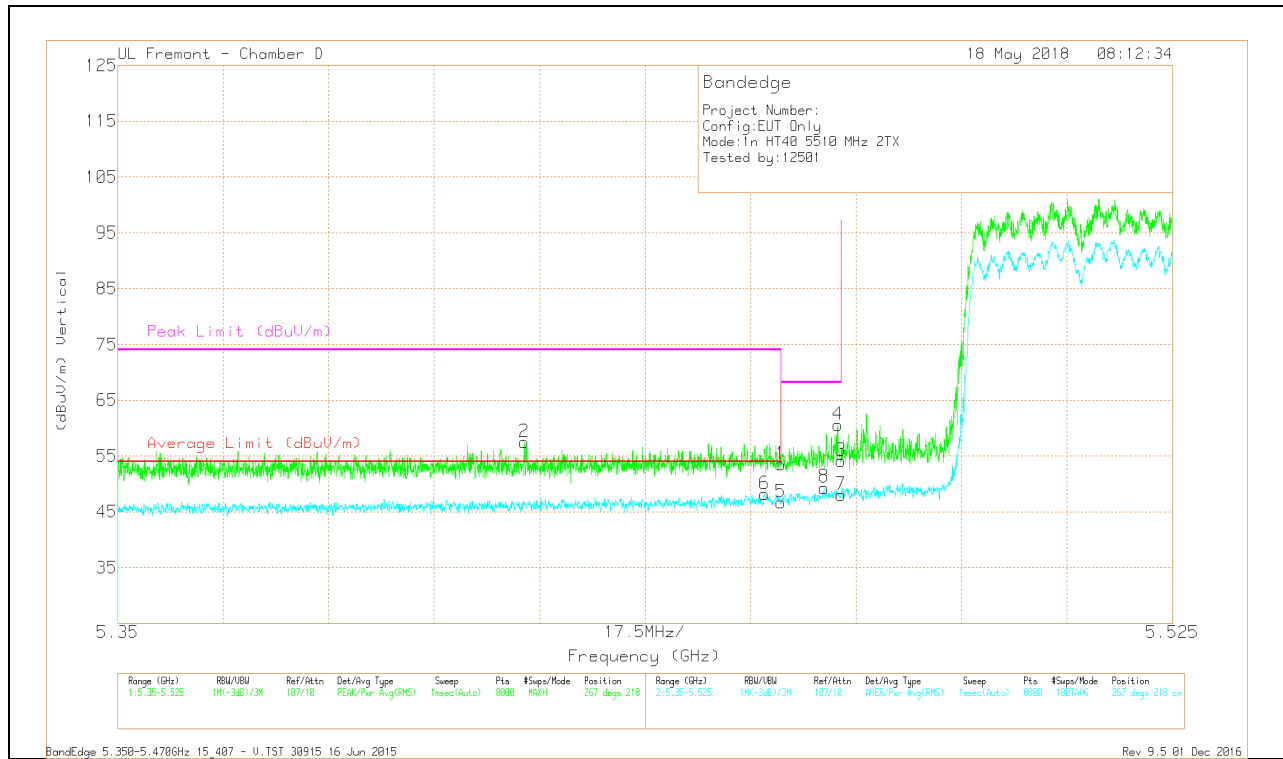
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/Cb I/Filt/PA d (dB) | DC Corr (dB) | Correct ed Reading (dBuV/ m) | Average Limit (dBuV/ m) | Margin (dB) | Peak Limit (dBuV/ m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|--------------|------------------------------|-------------------------|-------------|----------------------|----------------|----------------|-------------|----------|
| 1      | * 5.46          | 38.89                | Pk  | 34.9           | -17.5                   | 0            | 56.29                        | -                       | -           | 74                   | -17.71         | 317            | 228         | H        |
| 2      | * 5.45          | 42.6                 | Pk  | 34.9           | -17.6                   | 0            | 59.9                         | -                       | -           | 74                   | -14.1          | 317            | 228         | H        |
| 5      | * 5.46          | 30.81                | RMS | 34.9           | -17.5                   | .1           | 48.31                        | 54                      | -5.69       | -                    | -              | 317            | 228         | H        |
| 6      | * 5.453         | 31.7                 | RMS | 34.9           | -17.6                   | .1           | 49.1                         | 54                      | -4.90       | -                    | -              | 317            | 228         | H        |
| 4      | 5.468           | 45.49                | Pk  | 34.9           | -17.5                   | 0            | 62.89                        | -                       | -           | 68.2                 | -5.31          | 317            | 228         | H        |
| 3      | 5.47            | 43.53                | Pk  | 34.9           | -17.5                   | 0            | 60.93                        | -                       | -           | 68.2                 | -7.27          | 317            | 228         | H        |
| 7      | 5.47            | 33.11                | RMS | 34.9           | -17.5                   | .1           | 50.61                        | 54                      | -3.39       | -                    | -              | 317            | 228         | H        |
| 8      | 5.47            | 33.16                | RMS | 34.9           | -17.5                   | .1           | 50.66                        | 54                      | -3.34       | -                    | -              | 317            | 228         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequen<br>cy (GHz) | Meter<br>Reading<br>(dBuV) | Det | AF T136<br>(dB/m) | Amp/Cbl/<br>Ftr/Pad<br>(dB) | DC Corr<br>(dB) | Correcte<br>d Reading<br>(dBuV/m) | Average<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|---------------------|----------------------------|-----|-------------------|-----------------------------|-----------------|-----------------------------------|------------------------------|----------------|---------------------------|----------------------|-------------------|----------------|----------|
| 2      | * 5.417             | 40.39                      | Pk  | 34.9              | -17.8                       | 0               | 57.49                             | -                            | -              | 74                        | -16.51               | 267               | 218            | V        |
| 6      | * 5.457             | 30.83                      | RMS | 34.9              | -17.6                       | .1              | 48.23                             | 54                           | -5.77          | -                         | -                    | 267               | 218            | V        |
| 1      | * 5.46              | 36.09                      | Pk  | 34.9              | -17.5                       | 0               | 53.49                             | -                            | -              | 74                        | -20.51               | 267               | 218            | V        |
| 5      | * 5.46              | 29.25                      | RMS | 34.9              | -17.5                       | .1              | 46.75                             | 54                           | -7.25          | -                         | -                    | 267               | 218            | V        |
| 8      | 5.467               | 31.87                      | RMS | 34.9              | -17.5                       | .1              | 49.37                             | 54                           | -4.63          | -                         | -                    | 267               | 218            | V        |
| 4      | 5.469               | 43.19                      | Pk  | 34.9              | -17.5                       | 0               | 60.59                             | -                            | -              | 68.2                      | -7.61                | 267               | 218            | V        |
| 3      | 5.47                | 36.71                      | Pk  | 34.9              | -17.5                       | 0               | 54.11                             | -                            | -              | 68.2                      | -14.09               | 267               | 218            | V        |
| 7      | 5.47                | 30.6                       | RMS | 34.9              | -17.5                       | .1              | 48.1                              | 54                           | -5.9           | -                         | -                    | 267               | 218            | V        |

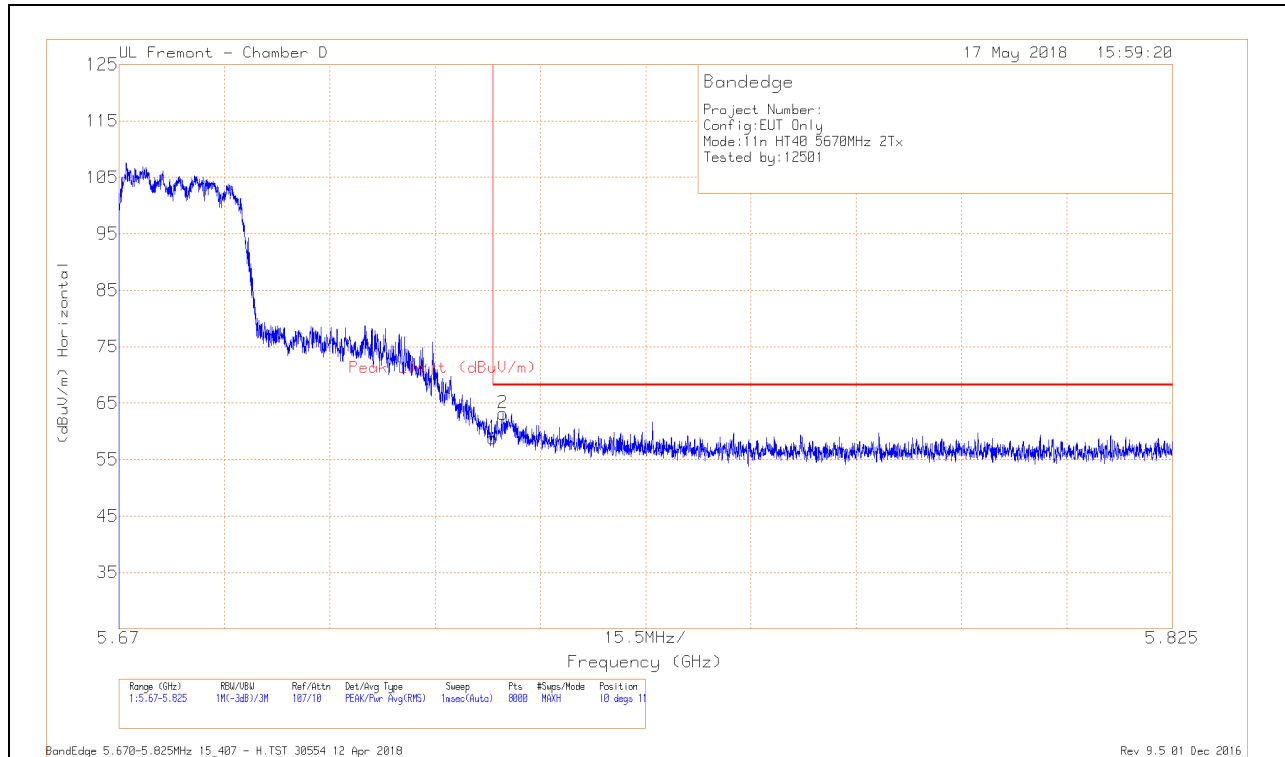
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

# **BANDEDGE (HIGH CHANNEL)**

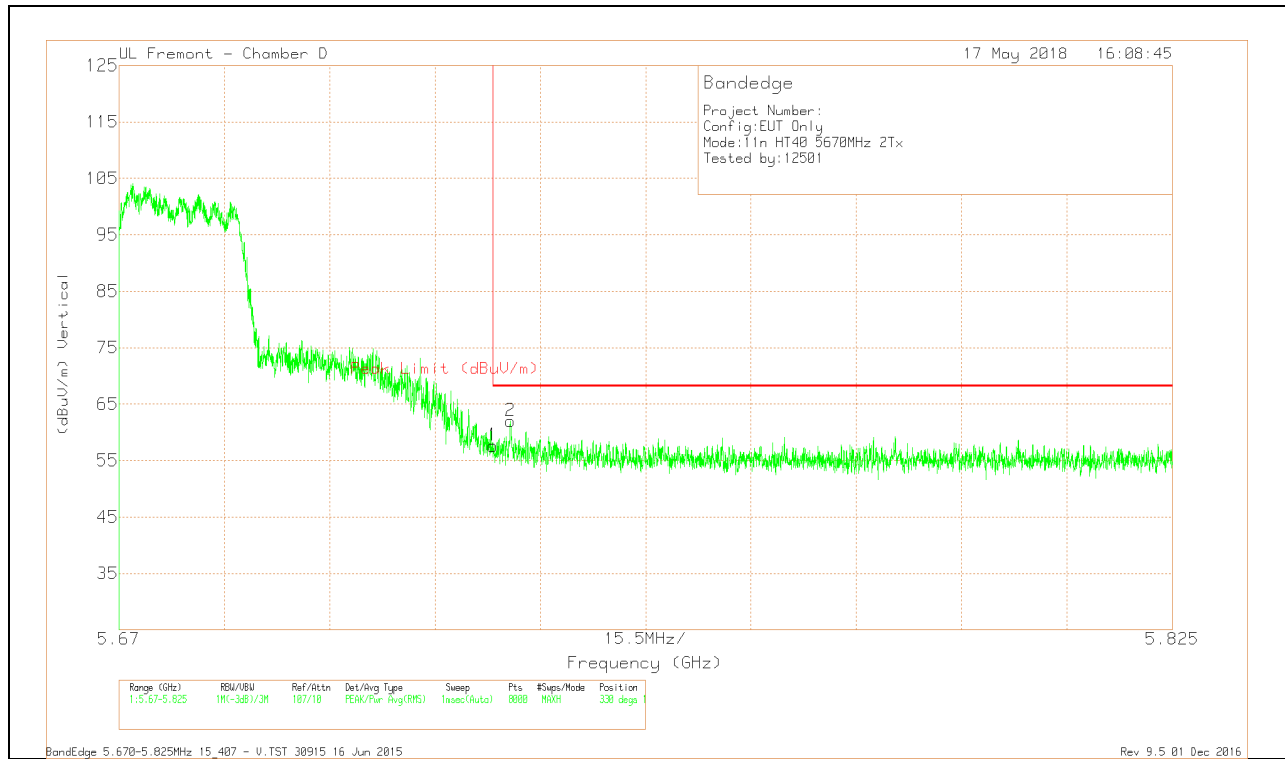
## **HORIZONTAL RESULT**



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|--------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.725           | 40.32                | Pk  | 35.6           | -17.1                  | 0            | 58.82                      | 68.2                | -9.38          | 10             | 113         | H        |
| 2      | 5.727           | 44.68                | Pk  | 35.6           | -17.1                  | 0            | 63.18                      | 68.2                | -5.02          | 10             | 113         | H        |

Pk - Peak detector

## VERTICAL RESULT

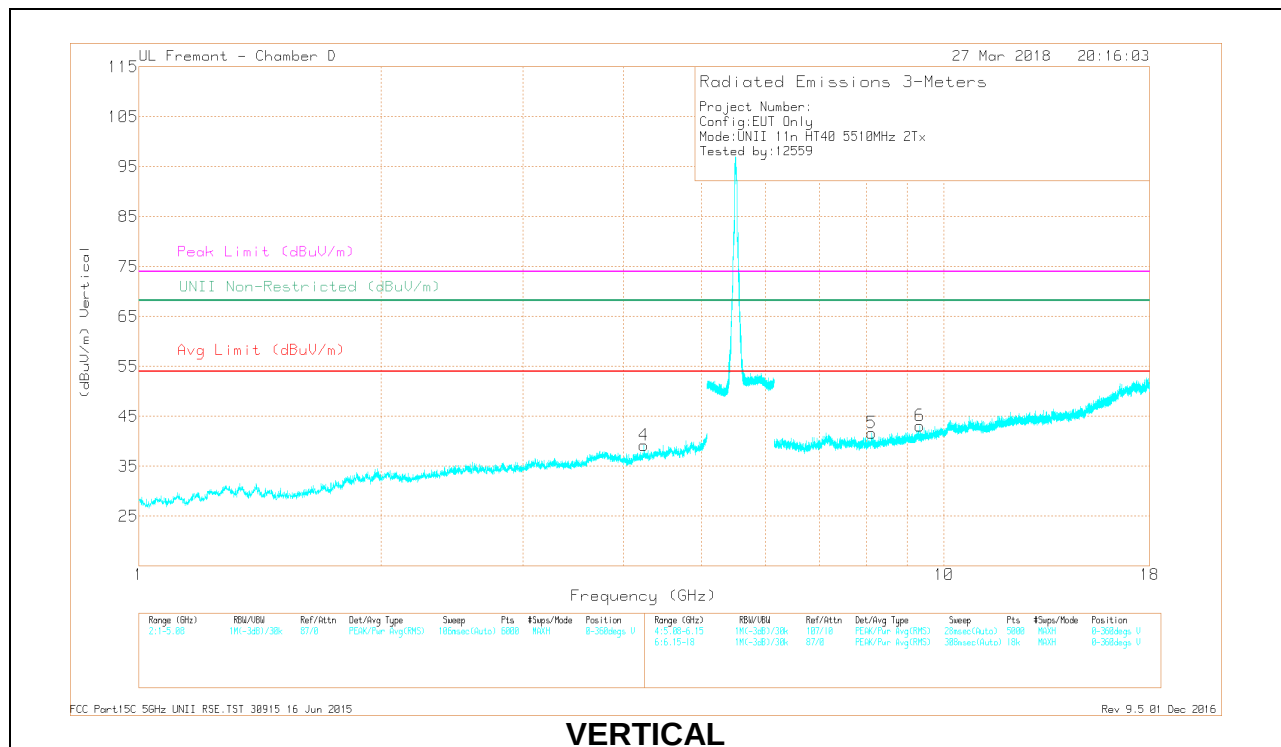
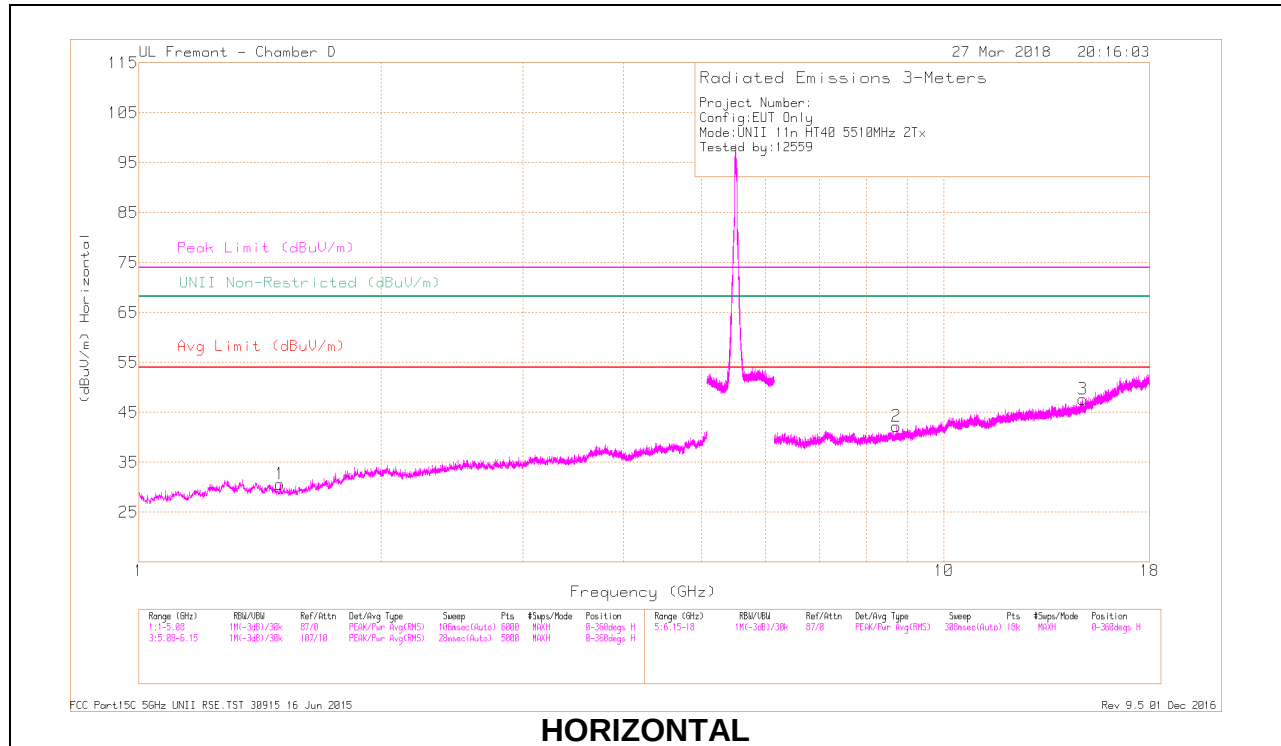


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Ampl/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|--------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.725           | 39.12                | Pk  | 35.6           | -17.1                   | 0            | 57.62                      | 68.2                | -10.58         | 330            | 102         | V        |
| 2      | 5.728           | 43.52                | Pk  | 35.6           | -17.1                   | 0            | 62.02                      | 68.2                | -6.18          | 330            | 102         | V        |

Pk - Peak detector

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



## RADIATED EMISSIONS

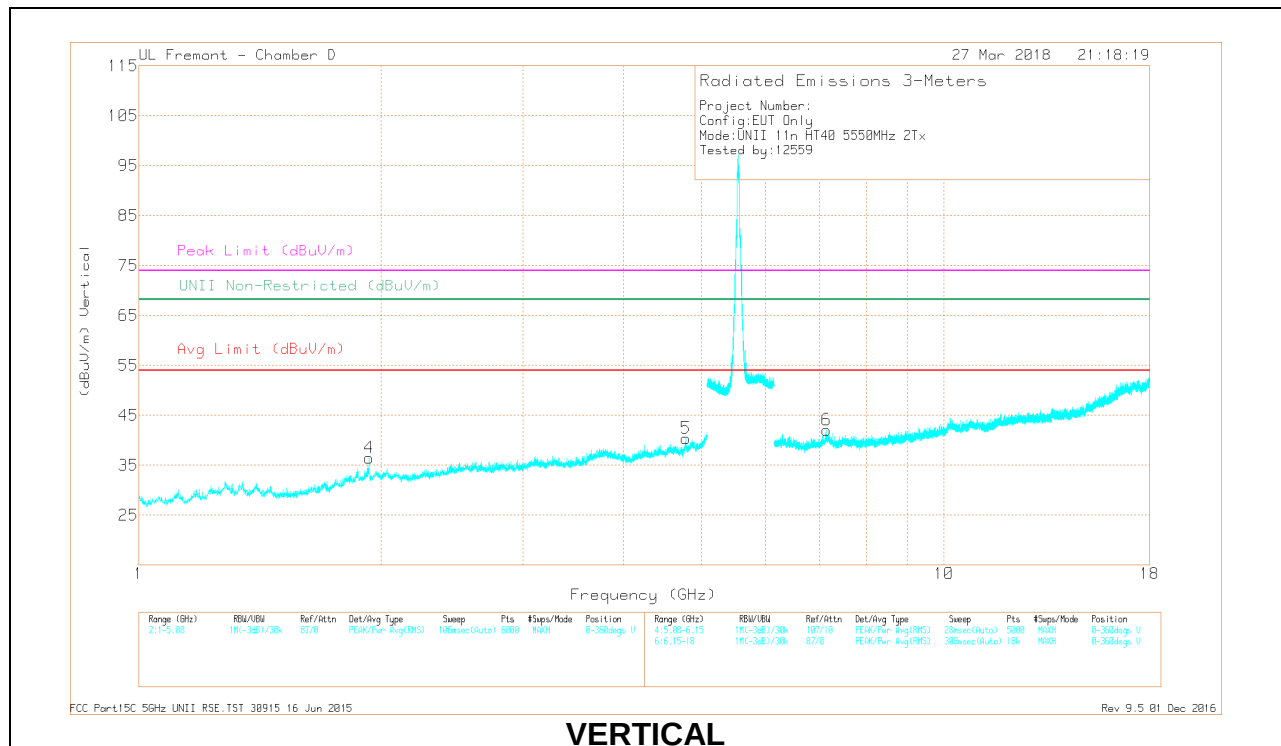
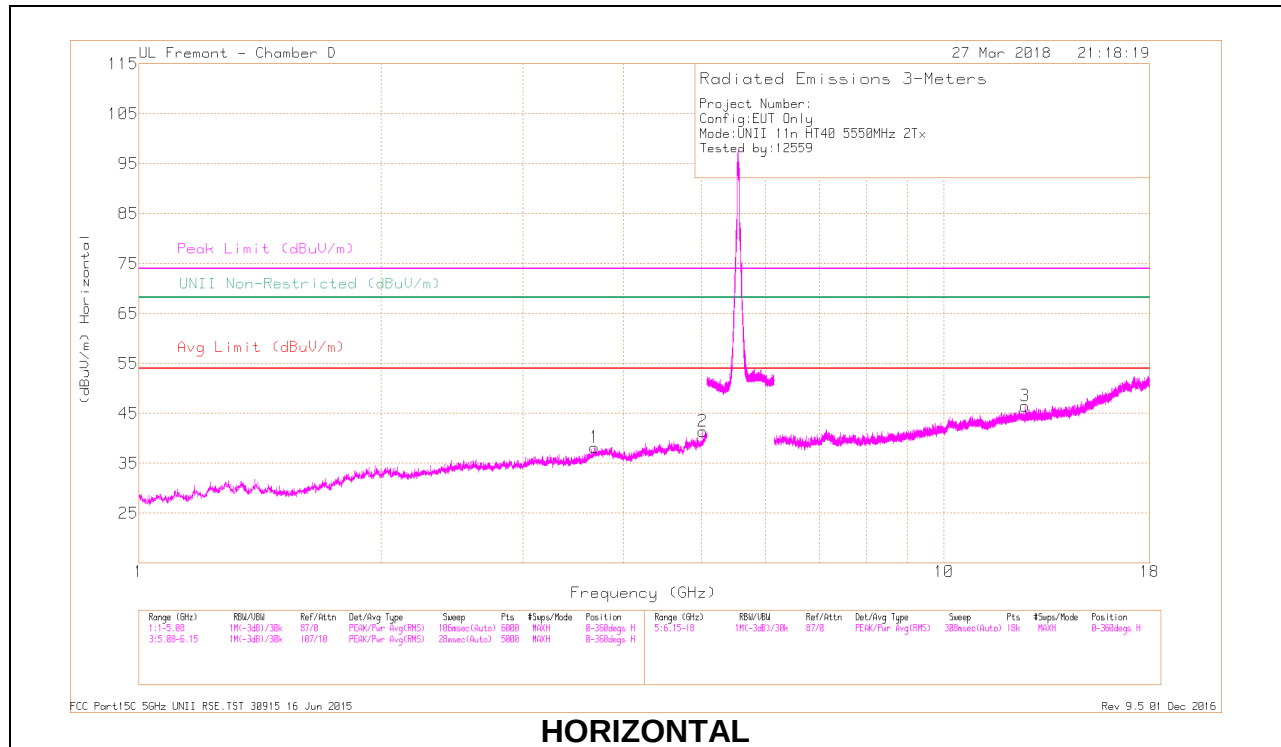
| Marker | Frequ<br>ncy<br>(GHz) | Meter<br>Readin<br>g<br>(dBuV) | Det  | AF<br>T136<br>(dB/m) | Amp/C<br>bl/Filtr/P<br>ad (dB) | DC<br>Corr<br>(dB) | Correct<br>ed<br>Readin<br>g<br>(dBuV/<br>m) | Avg<br>Limit<br>(dBuV/<br>m) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/<br>m) | PK<br>Margin<br>(dB) | UNII<br>Non-<br>Restrict<br>ed<br>(dBuV/<br>m) | PK<br>Margin<br>(dB) | Azimu<br>t<br>(Degs) | Height<br>(cm) | Polarity |
|--------|-----------------------|--------------------------------|------|----------------------|--------------------------------|--------------------|----------------------------------------------|------------------------------|----------------|-------------------------------|----------------------|------------------------------------------------|----------------------|----------------------|----------------|----------|
| 1      | * 1.499               | 40.58                          | PK-U | 28                   | -31.4                          | 0                  | 37.18                                        | -                            | -              | 74                            | -36.82               | -                                              | -                    | 354                  | 282            | H        |
|        | * 1.499               | 28.6                           | ADR  | 28                   | -31.4                          | .1                 | 25.3                                         | 54                           | -28.70         | -                             | -                    | -                                              | -                    | 354                  | 282            | H        |
| 4      | * 4.243               | 37.57                          | PK-U | 33.8                 | -27.1                          | 0                  | 44.27                                        | -                            | -              | 74                            | -29.73               | -                                              | -                    | 174                  | 294            | V        |
|        | * 4.24                | 25.66                          | ADR  | 33.8                 | -27.1                          | .1                 | 32.46                                        | 54                           | -21.54         | -                             | -                    | -                                              | -                    | 174                  | 294            | V        |
| 5      | * 8.134               | 34.78                          | PK-U | 35.8                 | -23.1                          | 0                  | 47.48                                        | -                            | -              | 74                            | -26.52               | -                                              | -                    | 179                  | 381            | V        |
|        | * 8.135               | 23.37                          | ADR  | 35.8                 | -23                            | .1                 | 36.27                                        | 54                           | -17.73         | -                             | -                    | -                                              | -                    | 179                  | 381            | V        |
| 6      | * 9.334               | 33.87                          | PK-U | 36.4                 | -21.5                          | 0                  | 48.77                                        | -                            | -              | 74                            | -25.23               | -                                              | -                    | 238                  | 277            | V        |
|        | * 9.333               | 22.34                          | ADR  | 36.4                 | -21.5                          | .1                 | 37.34                                        | 54                           | -16.66         | -                             | -                    | -                                              | -                    | 238                  | 277            | V        |
| 2      | 8.721                 | 34.38                          | PK-U | 36                   | -22.6                          | 0                  | 47.78                                        | -                            | -              | -                             | -                    | 68.2                                           | -20.42               | 360                  | 305            | H        |
| 3      | 14.861                | 35.29                          | PK-U | 39.6                 | -21.7                          | 0                  | 53.19                                        | -                            | -              | -                             | -                    | 68.2                                           | -15.01               | 56                   | 189            | H        |

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

## MID CHANNEL RESULTS



## RADIATED EMISSIONS

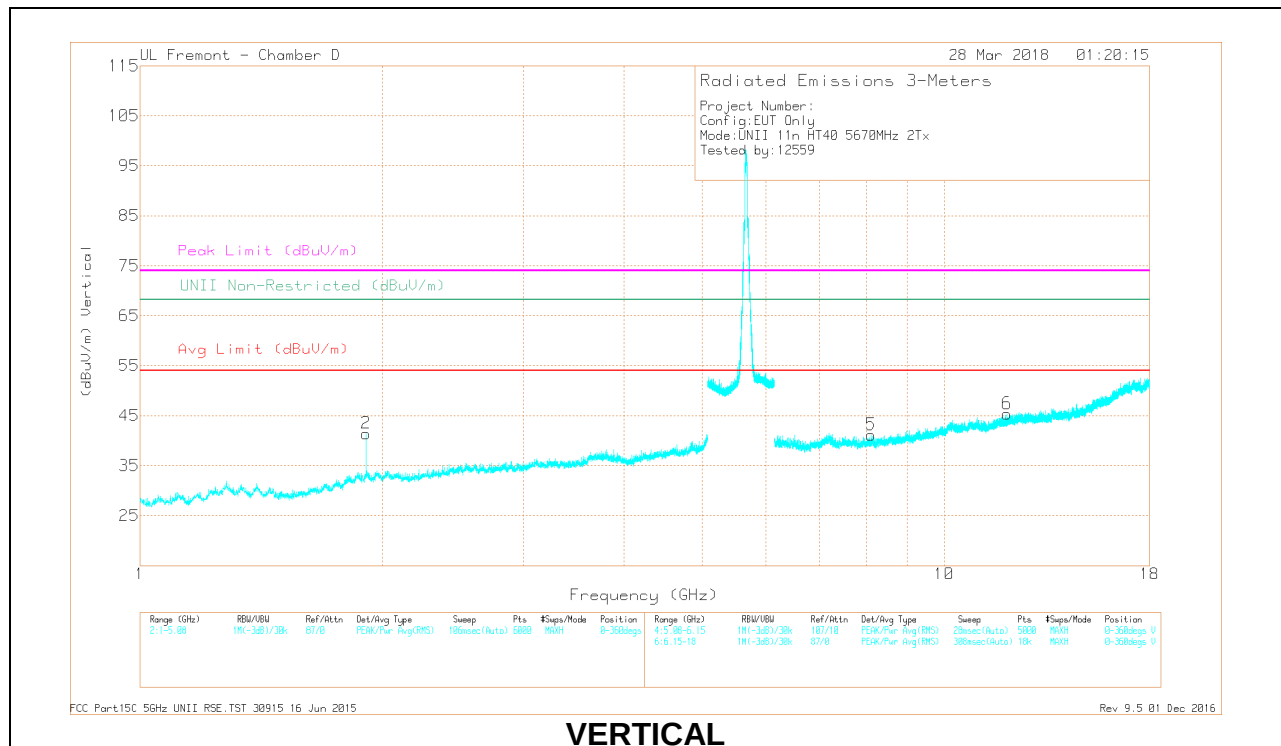
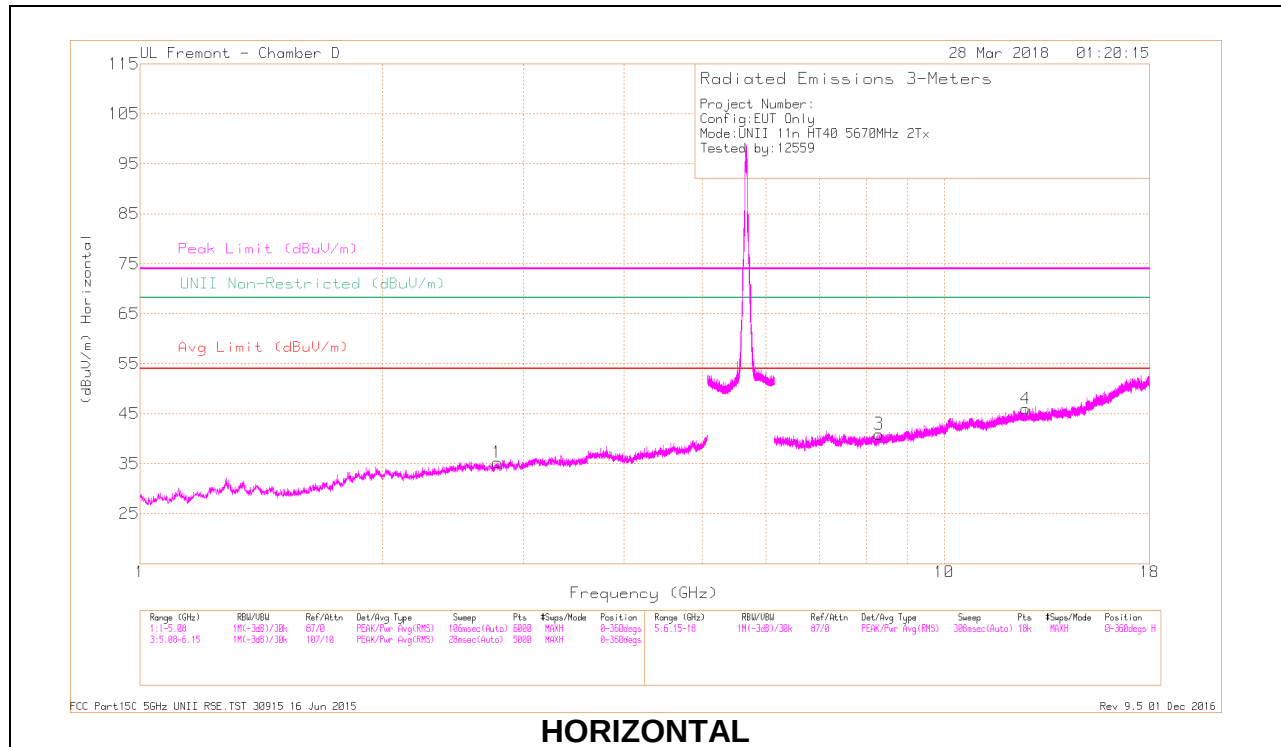
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T136 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 3.683         | 38.35                | PK-U | 33.5           | -28.9                  | 0            | 42.95                      | -                  | -           | 74                  | -31.05         | -                            | -              | 302            | 270         | H        |
|        | * 3.682         | 26.76                | ADR  | 33.5           | -28.9                  | .1           | 31.46                      | 54                 | -22.54      | -                   | -              | -                            | -              | 302            | 270         | H        |
| 2      | * 5.013         | 37.75                | PK-U | 34.4           | -25.9                  | 0            | 46.25                      | -                  | -           | 74                  | -27.75         | -                            | -              | 280            | 110         | H        |
|        | * 5.013         | 25.86                | ADR  | 34.4           | -25.9                  | .1           | 34.46                      | 54                 | -19.54      | -                   | -              | -                            | -              | 280            | 110         | H        |
| 5      | * 4.782         | 38.93                | PK-U | 34.5           | -27.1                  | 0            | 46.33                      | -                  | -           | 74                  | -27.67         | -                            | -              | 66             | 342         | V        |
|        | * 4.779         | 26.83                | ADR  | 34.5           | -27                    | .1           | 34.43                      | 54                 | -19.57      | -                   | -              | -                            | -              | 66             | 342         | V        |
| 3      | * 12.598        | 34.02                | PK-U | 39.1           | -21                    | 0            | 52.12                      | -                  | -           | 74                  | -21.88         | -                            | -              | 336            | 102         | H        |
|        | * 12.597        | 22.18                | ADR  | 39.1           | -21                    | .1           | 40.38                      | 54                 | -13.62      | -                   | -              | -                            | -              | 336            | 102         | H        |
| 4      | 1.932           | 40.07                | PK-U | 31.4           | -30.8                  | 0            | 40.67                      | -                  | -           | -                   | -              | 68.2                         | -27.53         | 269            | 202         | V        |
| 6      | 7.153           | 34.84                | PK-U | 36.3           | -23.6                  | 0            | 47.54                      | -                  | -           | -                   | -              | 68.2                         | -20.66         | 15             | 102         | V        |

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

## HIGH CHANNEL RESULTS



## RADIATED EMISSIONS

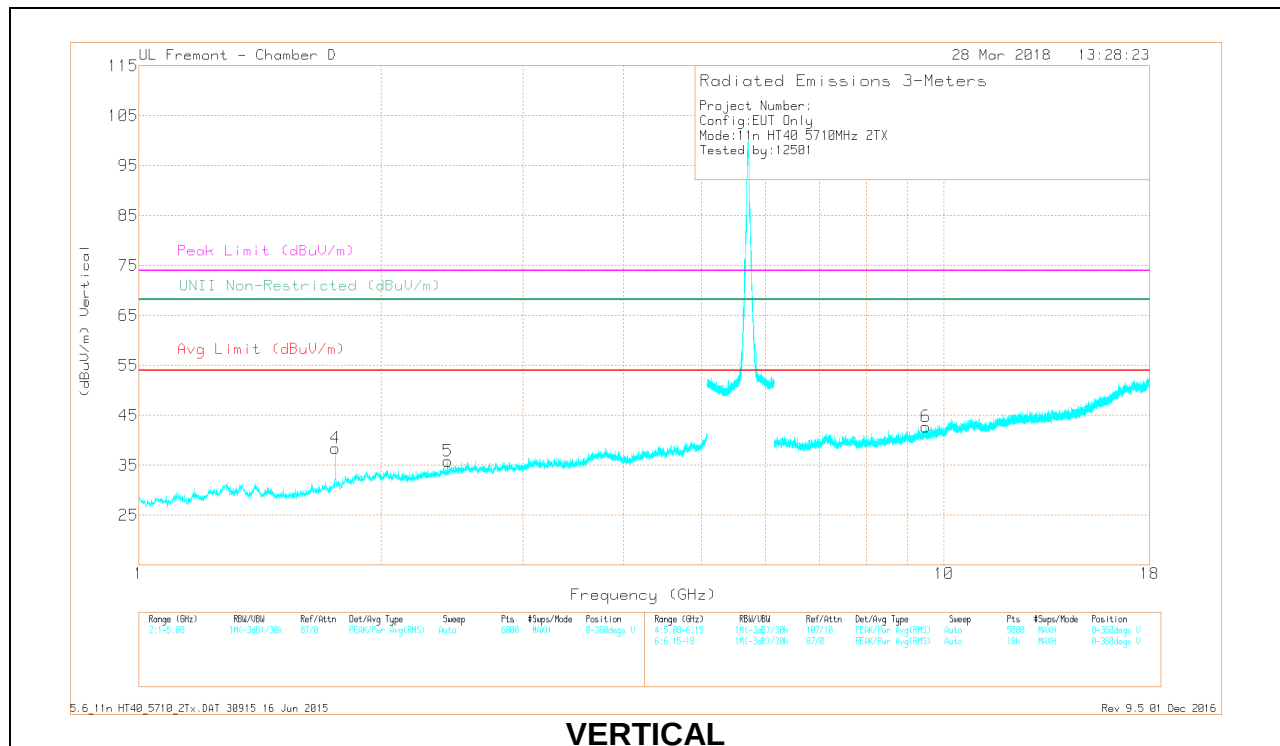
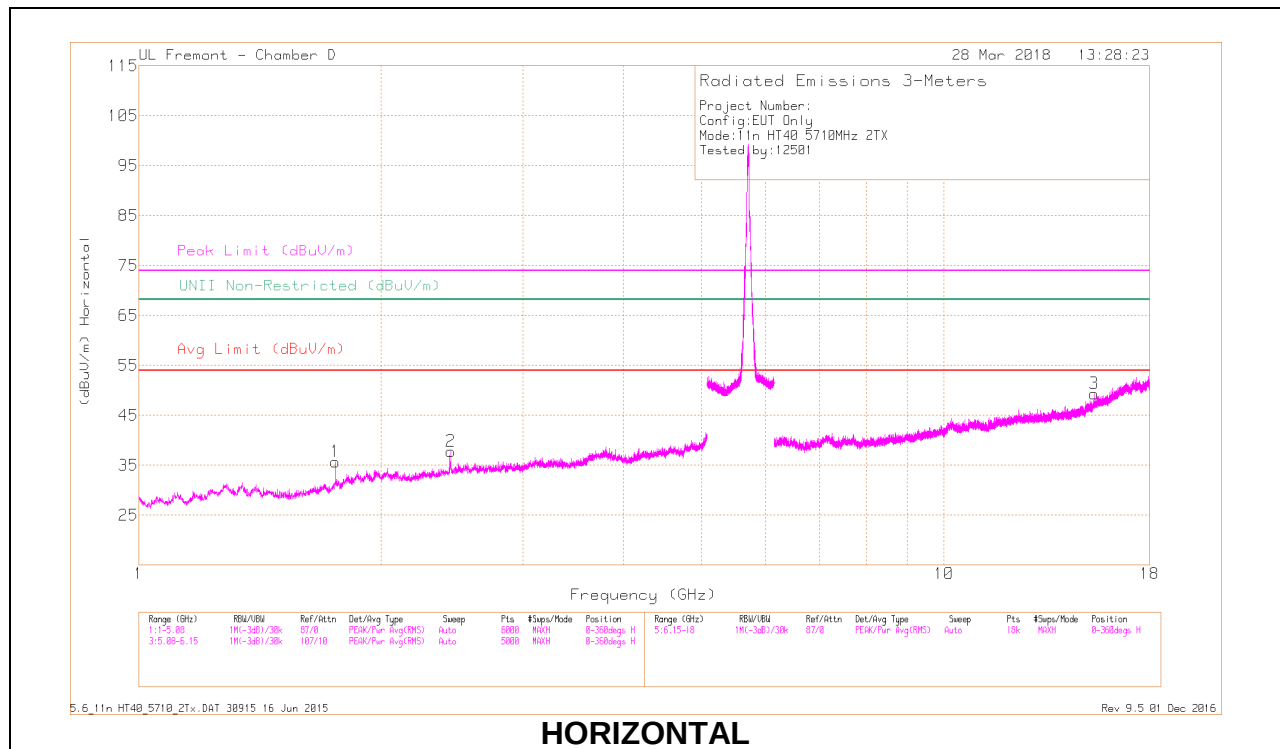
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T136 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 2.782         | 39.17                | PK-U | 32.6           | -29.5                  | 0            | 42.27                      | -                  | -           | 74                  | -31.73         | -                            | -              | 176            | 142         | H        |
|        | * 2.782         | 27.56                | ADR  | 32.6           | -29.5                  | .1           | 30.76                      | 54                 | -23.24      | -                   | -              | -                            | -              | 176            | 142         | H        |
| 3      | * 8.294         | 34.8                 | PK-U | 35.9           | -23.3                  | 0            | 47.4                       | -                  | -           | 74                  | -26.6          | -                            | -              | 284            | 294         | H        |
|        | * 8.292         | 24.08                | ADR  | 35.9           | -23.4                  | .1           | 36.68                      | 54                 | -17.32      | -                   | -              | -                            | -              | 284            | 294         | H        |
| 4      | * 12.618        | 33.54                | PK-U | 39.1           | -20.9                  | 0            | 51.74                      | -                  | -           | 74                  | -22.26         | -                            | -              | 103            | 387         | H        |
|        | * 12.615        | 22.68                | ADR  | 39.1           | -20.9                  | .1           | 40.98                      | 54                 | -13.02      | -                   | -              | -                            | -              | 103            | 387         | H        |
| 5      | * 8.113         | 35.16                | PK-U | 35.8           | -23.3                  | 0            | 47.66                      | -                  | -           | 74                  | -26.34         | -                            | -              | 205            | 252         | V        |
|        | * 8.114         | 23.49                | ADR  | 35.8           | -23.3                  | .1           | 36.09                      | 54                 | -17.91      | -                   | -              | -                            | -              | 205            | 252         | V        |
| 6      | * 11.969        | 33.91                | PK-U | 38.8           | -21                    | 0            | 51.71                      | -                  | -           | 74                  | -22.29         | -                            | -              | 199            | 296         | V        |
|        | * 11.966        | 22.1                 | ADR  | 38.8           | -21                    | .1           | 40                         | 54                 | -14.00      | -                   | -              | -                            | -              | 199            | 296         | V        |
| 2      | 1.911           | 40.66                | PK-U | 31.5           | -31                    | 0            | 41.16                      | -                  | -           | -                   | -              | 68.2                         | -27.04         | 320            | 382         | V        |

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

## CHANNEL 142 RESULTS



## RADIATED EMISSIONS

| Marker<br>s | Frequ<br>ncy<br>(GHz) | Meter<br>Readin<br>g<br>(dBuV) | Det  | AF<br>T136<br>(dB/m) | Amp/C<br>bl/Fitr/P<br>ad (dB) | DC<br>Corr<br>(dB) | Correct<br>ed<br>Readin<br>g<br>(dBuV/<br>m) | Avg<br>Limit<br>(dBuV/<br>m) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/<br>m) | PK<br>Margin<br>(dB) | UNII<br>Non-<br>Restrict<br>ed<br>(dBuV/<br>m) | PK<br>Margin<br>(dB) | Azimet<br>h<br>(Degs) | Height<br>(cm) | Polarity |
|-------------|-----------------------|--------------------------------|------|----------------------|-------------------------------|--------------------|----------------------------------------------|------------------------------|----------------|-------------------------------|----------------------|------------------------------------------------|----------------------|-----------------------|----------------|----------|
| 3           | * 15.362              | 34.18                          | PK-U | 40.6                 | -20.3                         | 0                  | 54.48                                        | -                            | -              | 74                            | -19.52               | -                                              | -                    | 41                    | 325            | H        |
|             | * 15.36               | 22.8                           | ADR  | 40.6                 | -20.4                         | .1                 | 43.1                                         | 54                           | -10.90         | -                             | -                    | -                                              | -                    | 41                    | 325            | H        |
| 6           | * 9.487               | 33.19                          | PK-U | 36.6                 | -20.8                         | 0                  | 48.99                                        | -                            | -              | 74                            | -25.01               | -                                              | -                    | 53                    | 385            | V        |
|             | * 9.485               | 21.47                          | ADR  | 36.6                 | -20.8                         | .1                 | 37.37                                        | 54                           | -16.63         | -                             | -                    | -                                              | -                    | 53                    | 385            | V        |
| 1           | 1.754                 | 43.64                          | PK-U | 29.6                 | -30.5                         | 0                  | 42.74                                        | -                            | -              | -                             | -                    | 68.2                                           | -25.46               | 64                    | 391            | H        |
| 4           | 1.754                 | 46.69                          | PK-U | 29.6                 | -30.5                         | 0                  | 45.79                                        | -                            | -              | -                             | -                    | 68.2                                           | -22.41               | 345                   | 160            | V        |
| 5           | 2.419                 | 41.37                          | PK-U | 32.1                 | -30.3                         | 0                  | 43.17                                        | -                            | -              | -                             | -                    | 68.2                                           | -25.03               | 348                   | 201            | V        |
| 2           | 2.44                  | 41.19                          | PK-U | 32.2                 | -30.3                         | 0                  | 43.09                                        | -                            | -              | -                             | -                    | 68.2                                           | -25.11               | 43                    | 343            | H        |

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

PK-U - U-NII: Maximum Peak

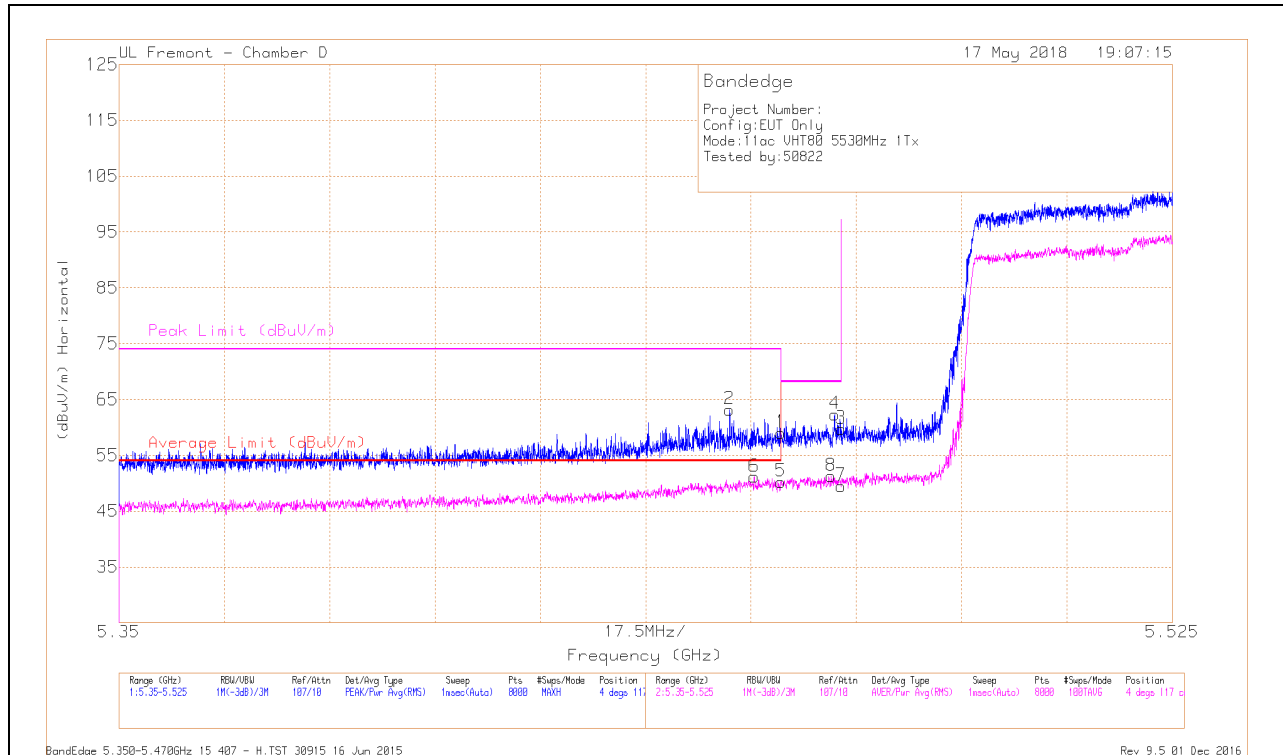
ADR - U-NII AD primary method, RMS average

## 9.1.8. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.6 GHz BAND

### 1TX Antenna 6 MODE

### BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT



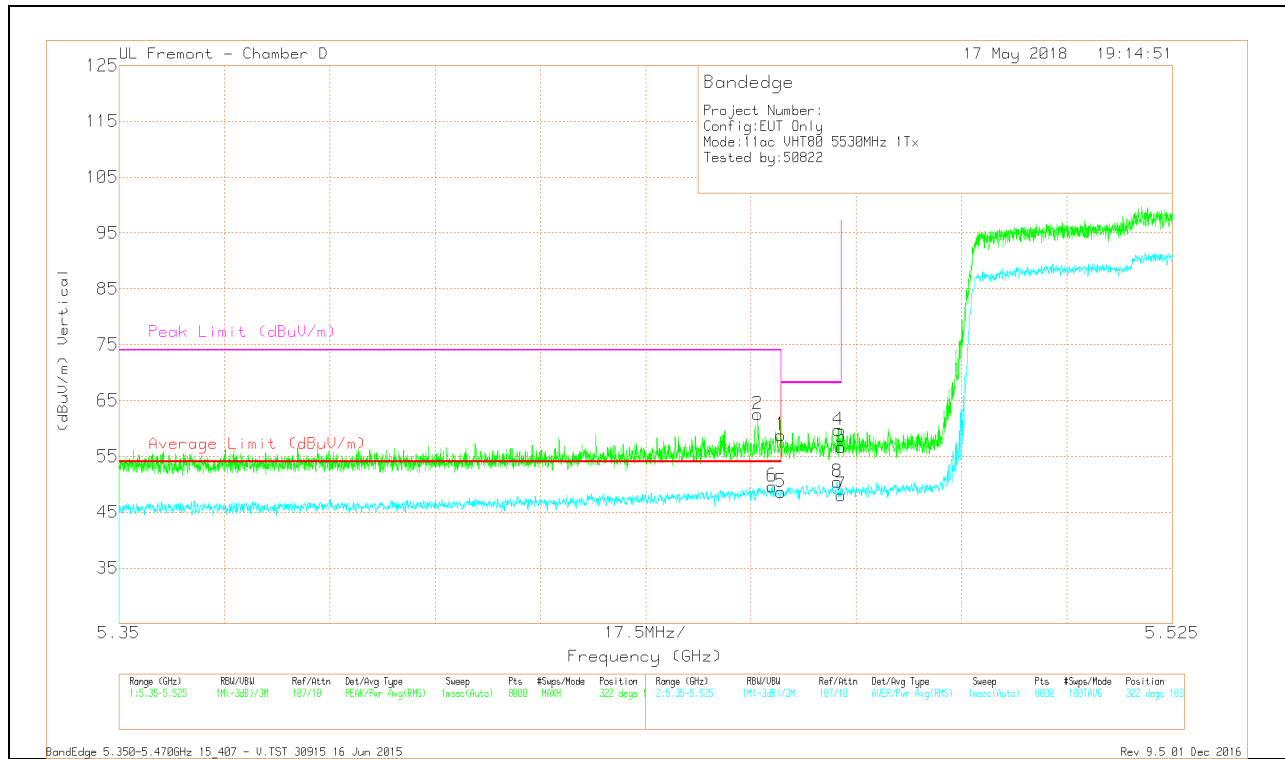
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dBm) | Amp/Ch/Filt/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.46          | 41.65                | Pk  | 34.9          | -17.5                | 0            | 59.05                      | -                      | -           | 74                  | -14.95         | 4              | 117         | H        |
| 2      | * 5.451         | 45.91                | Pk  | 34.9          | -17.6                | 0            | 63.21                      | -                      | -           | 74                  | -10.79         | 4              | 117         | H        |
| 5      | * 5.46          | 32.67                | RMS | 34.9          | -17.5                | .19          | 50.26                      | 54                     | -3.74       | -                   | -              | 4              | 117         | H        |
| 6      | * 5.456         | 33.67                | RMS | 34.9          | -17.6                | .19          | 51.16                      | 54                     | -2.84       | -                   | -              | 4              | 117         | H        |
| 8      | 5.468           | 33.72                | RMS | 34.9          | -17.5                | .19          | 51.31                      | 54                     | -2.69       | -                   | -              | 4              | 117         | H        |
| 4      | 5.469           | 44.96                | Pk  | 34.9          | -17.5                | 0            | 62.36                      | -                      | -           | 68.2                | -5.84          | 4              | 117         | H        |
| 3      | 5.47            | 42.38                | Pk  | 34.9          | -17.5                | 0            | 59.78                      | -                      | -           | 68.2                | -8.42          | 4              | 117         | H        |
| 7      | 5.47            | 31.93                | RMS | 34.9          | -17.5                | .19          | 49.52                      | 54                     | -4.48       | -                   | -              | 4              | 117         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequenc<br>y (GHz) | Meter<br>Reading<br>(dBuV) | Det | AF T136 (dBm) | Ampl/Cou/Filt/Pad<br>(dB) | DC Corr (dB) | Correcte<br>d Reading<br>(dBuV/m) | Average Limit<br>(dBuV/m) | Margin<br>(dB) | Peak Limit (dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|---------------------|----------------------------|-----|---------------|---------------------------|--------------|-----------------------------------|---------------------------|----------------|---------------------|----------------------|-------------------|----------------|----------|
| 1      | * 5.46              | 41.4                       | Pk  | 34.9          | -17.5                     | 0            | 59.8                              | -                         | -              | 74                  | -15.2                | 322               | 103            | V        |
| 2      | * 5.456             | 45.21                      | Pk  | 34.9          | -17.6                     | 0            | 62.51                             | -                         | -              | 74                  | -11.49               | 322               | 103            | V        |
| 5      | * 5.46              | 31.05                      | RMS | 34.9          | -17.5                     | .19          | 48.64                             | 54                        | -5.36          | -                   | -                    | 322               | 103            | V        |
| 6      | * 5.459             | 32.14                      | RMS | 34.9          | -17.6                     | .19          | 49.63                             | 54                        | -4.37          | -                   | -                    | 322               | 103            | V        |
| 4      | 5.469               | 42.3                       | Pk  | 34.9          | -17.5                     | 0            | 59.7                              | -                         | -              | 68.2                | -8.5                 | 322               | 103            | V        |
| 8      | 5.469               | 32.85                      | RMS | 34.9          | -17.5                     | .19          | 50.44                             | 54                        | -3.56          | -                   | -                    | 322               | 103            | V        |
| 3      | 5.47                | 39.25                      | Pk  | 34.9          | -17.5                     | 0            | 56.65                             | -                         | -              | 68.2                | -11.55               | 322               | 103            | V        |
| 7      | 5.47                | 30.46                      | RMS | 34.9          | -17.5                     | .19          | 48.05                             | 54                        | -5.95          | -                   | -                    | 322               | 103            | V        |

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

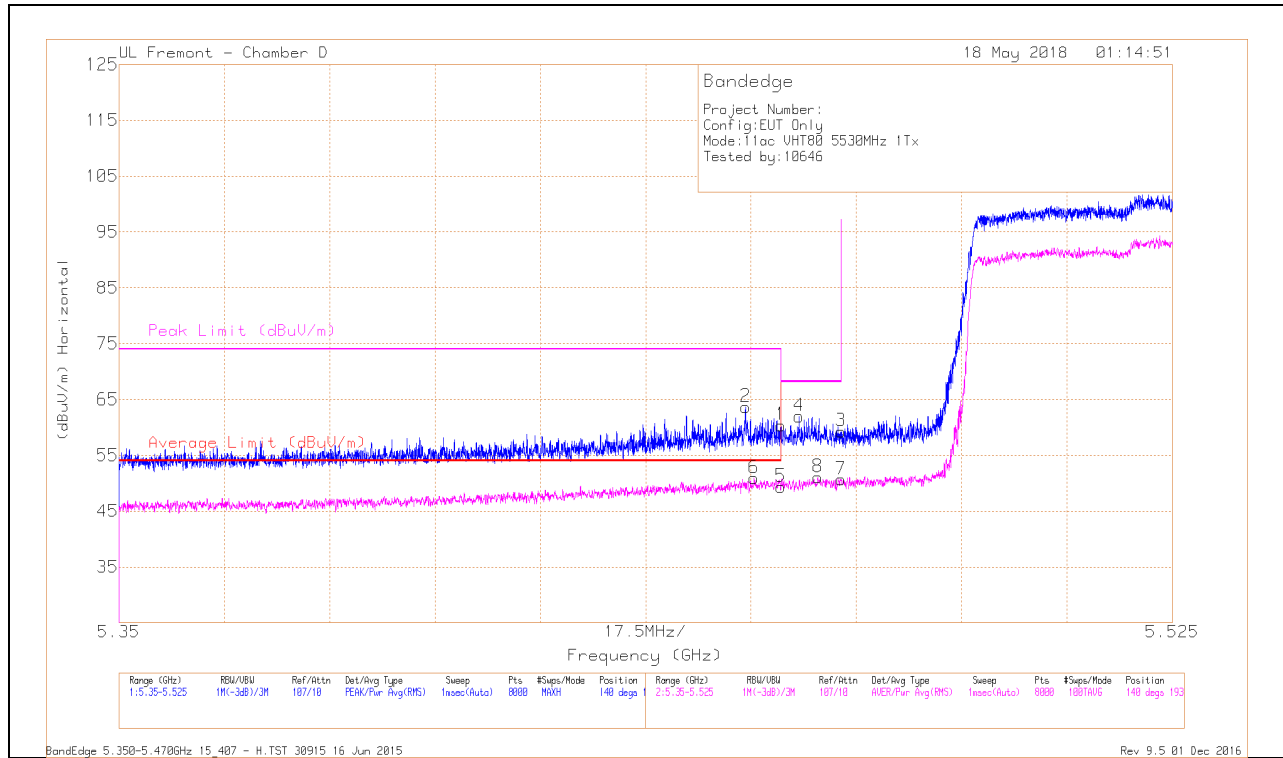
Pk - Peak detector

RMS - RMS detection

**1TX Antenna 5 MODE**

**BANDEDGE (LOW CHANNEL)**

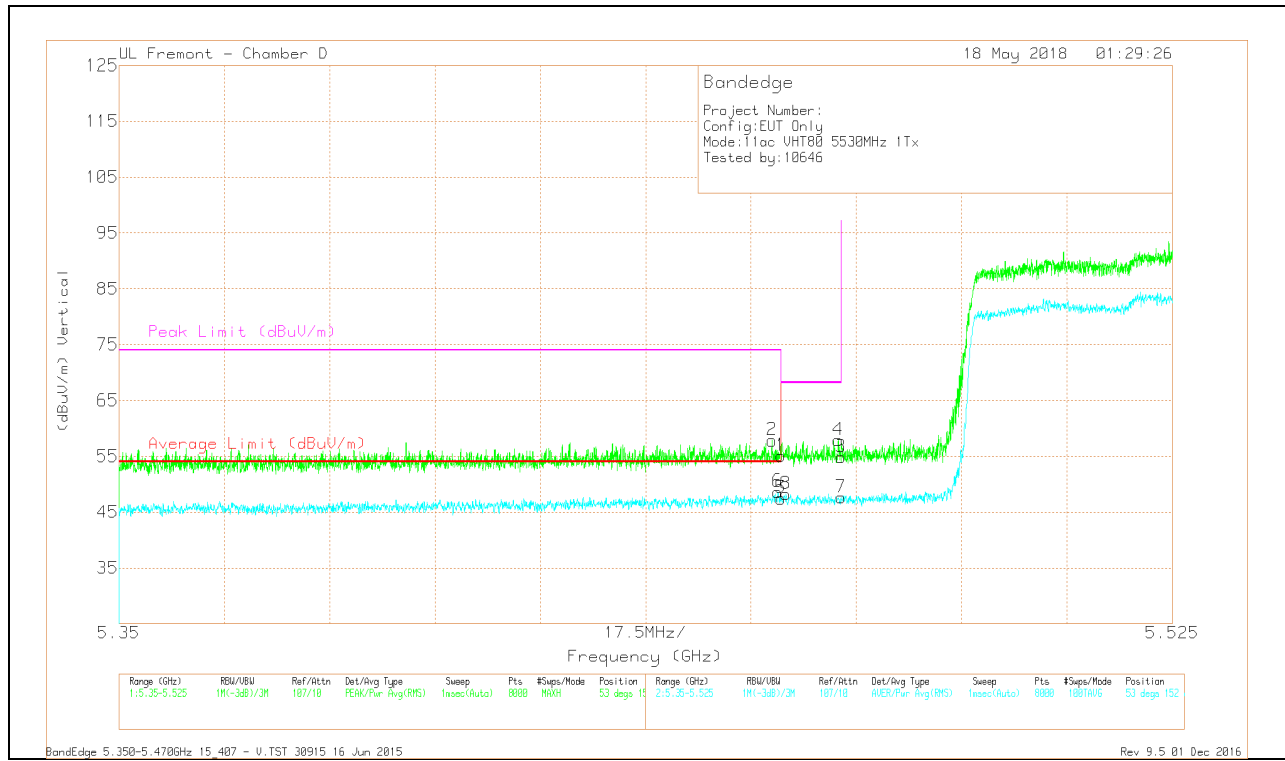
**HORIZONTAL RESULT**



| Marker | Frequenc<br>y (GHz) | Meter<br>Reading (dBuV) | Det | AF T136 (dBm) | Amp/Cb/IFtr/Pad (dB) | DC Corr (dB) | Correcte<br>d Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|---------------------|-------------------------|-----|---------------|----------------------|--------------|--------------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.46              | 43.01                   | Pk  | 34.9          | -17.5                | 0            | 60.41                          | -                      | -           | 74                  | -13.59         | 140            | 193         | H        |
| 2      | * 5.454             | 46.37                   | Pk  | 34.9          | -17.6                | 0            | 63.67                          | -                      | -           | 74                  | -10.33         | 140            | 193         | H        |
| 5      | * 5.46              | 31.78                   | RMS | 34.9          | -17.5                | 19           | 49.37                          | 54                     | -4.63       | -                   | -              | 140            | 193         | H        |
| 6      | * 5.455             | 33.45                   | RMS | 34.9          | -17.6                | 19           | 50.94                          | 54                     | -3.06       | -                   | -              | 140            | 193         | H        |
| 4      | 5.463               | 44.6                    | Pk  | 34.9          | -17.5                | 0            | 62                             | -                      | -           | 68.2                | -6.2           | 140            | 193         | H        |
| 8      | 5.466               | 33.5                    | RMS | 34.9          | -17.5                | 19           | 51.09                          | 54                     | -2.91       | -                   | -              | 140            | 193         | H        |
| 3      | 5.47                | 41.9                    | Pk  | 34.9          | -17.5                | 0            | 59.3                           | -                      | -           | 68.2                | -8.9           | 140            | 193         | H        |
| 7      | 5.47                | 33.08                   | RMS | 34.9          | -17.5                | 19           | 50.67                          | 54                     | -3.33       | -                   | -              | 140            | 193         | H        |

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

## VERTICAL RESULT



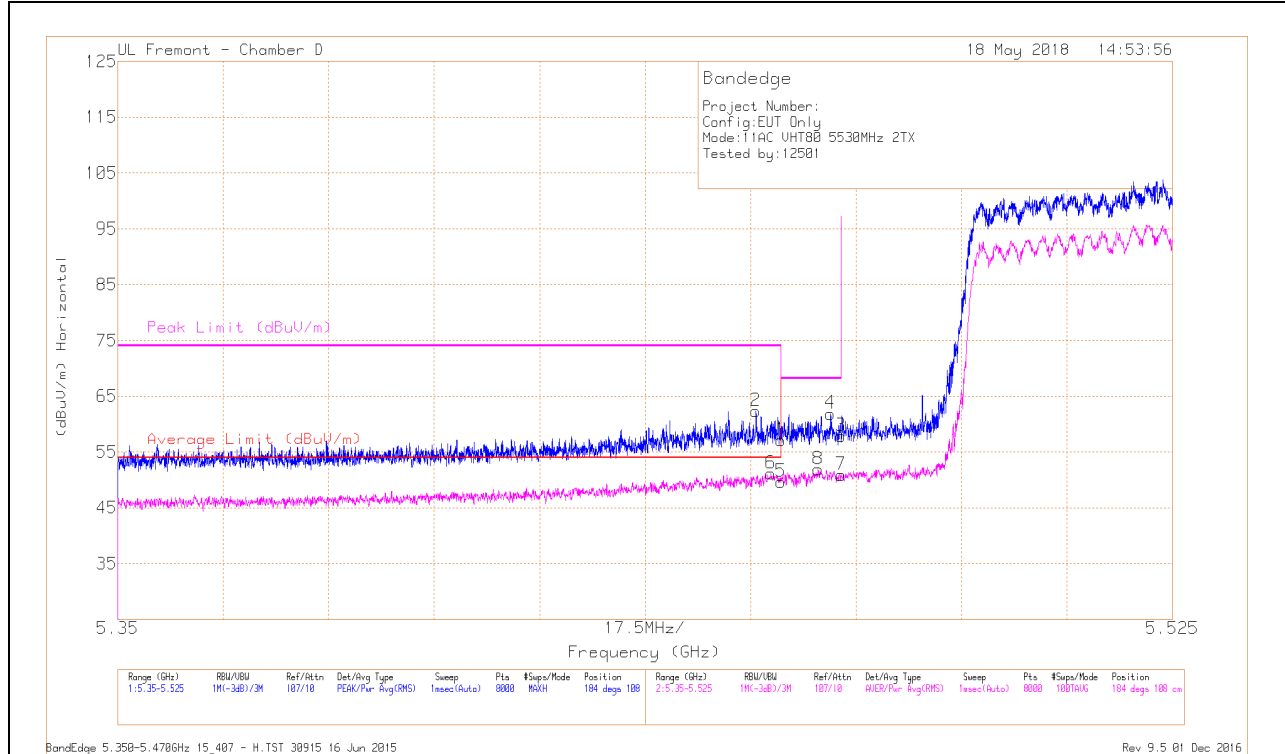
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Ampl/Cbl/Filtr/P ad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|--------------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.46          | 37.67                | Pk  | 34.9           | -17.5                    | 0            | 55.07                      | -                      | -           | 74                  | -18.93         | 53             | 152         | V        |
| 2      | * 5.458         | 40.55                | Pk  | 34.9           | -17.6                    | 0            | 57.85                      | -                      | -           | 74                  | -16.15         | 53             | 152         | V        |
| 5      | * 5.46          | 30.06                | RMS | 34.9           | -17.5                    | .19          | 47.65                      | 54                     | -6.35       | -                   | -              | 53             | 152         | V        |
| 6      | * 5.459         | 31.23                | RMS | 34.9           | -17.5                    | .19          | 48.82                      | 54                     | -5.18       | -                   | -              | 53             | 152         | V        |
| 8      | 5.461           | 30.83                | RMS | 34.9           | -17.5                    | .19          | 48.42                      | 54                     | -5.58       | -                   | -              | 53             | 152         | V        |
| 4      | 5.469           | 40.48                | Pk  | 34.9           | -17.5                    | 0            | 57.88                      | -                      | -           | 68.2                | -10.32         | 53             | 152         | V        |
| 3      | 5.47            | 37.44                | Pk  | 34.9           | -17.5                    | 0            | 54.84                      | -                      | -           | 68.2                | -13.36         | 53             | 152         | V        |
| 7      | 5.47            | 30.21                | RMS | 34.9           | -17.5                    | .19          | 47.8                       | 54                     | -6.2        | -                   | -              | 53             | 152         | V        |

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

**2TX Antenna 6 + Antenna 5 CDD MODE**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**



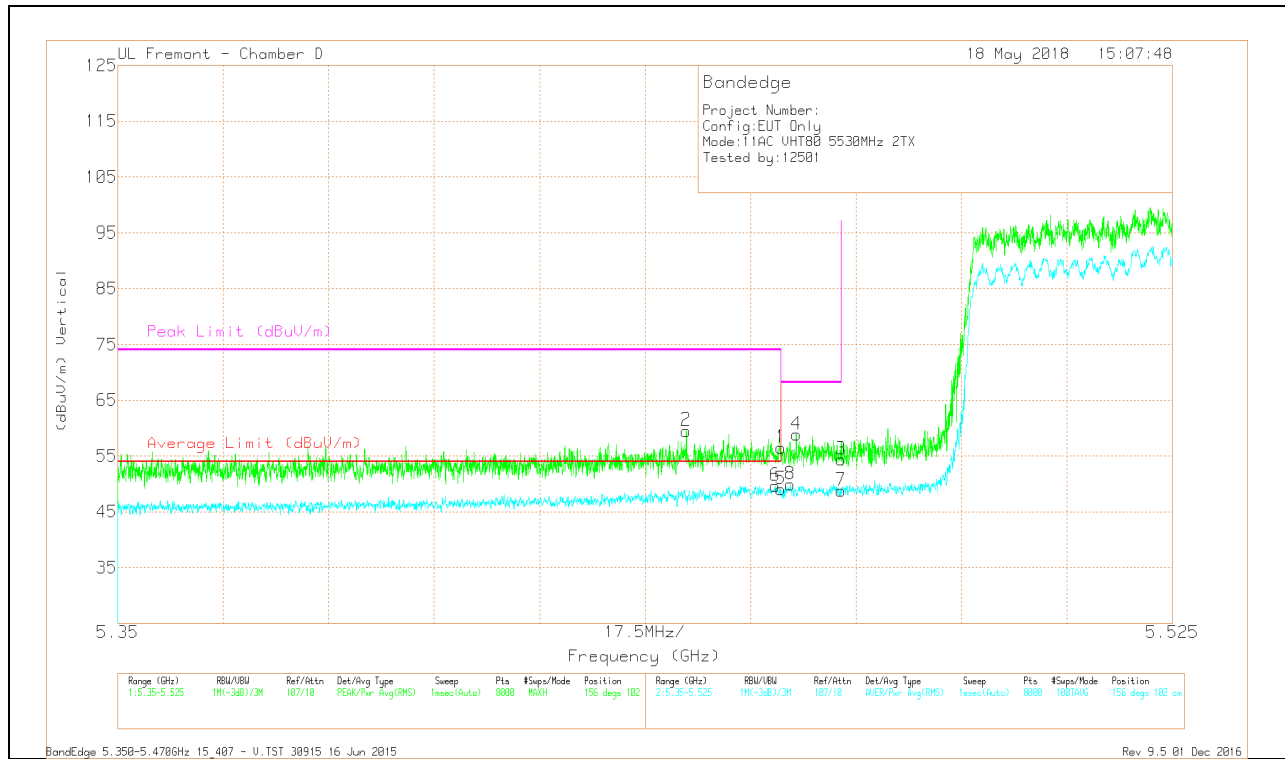
| Marker | Frequenc<br>y (GHz) | Meter<br>Reading<br>(dBuV) | Det | AF T136 (dBm) | Amp/CbIftr/Pad<br>(dB) | DC Corr (dB) | Correcte<br>d Reading<br>(dBuV/m) | Average Limit<br>(dBuV/m) | Margin<br>(dB) | Peak Limit (dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|---------------------|----------------------------|-----|---------------|------------------------|--------------|-----------------------------------|---------------------------|----------------|---------------------|----------------------|-------------------|----------------|----------|
| 1      | * 5.46              | 39.73                      | Pk  | 34.9          | -17.5                  | 0            | 57.13                             | -                         | -              | 74                  | -16.87               | 184               | 108            | H        |
| 2      | * 5.456             | 45                         | PK  | 34.9          | -17.6                  | 0            | 62.3                              | -                         | -              | 74                  | -11.7                | 184               | 108            | H        |
| 5      | * 5.46              | 32.13                      | RMS | 34.9          | -17.5                  | 19           | 49.72                             | 54                        | -4.28          | -                   | -                    | 184               | 108            | H        |
| 6      | * 5.458             | 33.64                      | RMS | 34.9          | -17.6                  | 19           | 51.13                             | 54                        | -2.87          | -                   | -                    | 184               | 108            | H        |
| 8      | 5.466               | 34.26                      | RMS | 34.9          | -17.5                  | 19           | 51.85                             | 54                        | -2.15          | -                   | -                    | 184               | 108            | H        |
| 4      | 5.468               | 44.5                       | Pk  | 34.9          | -17.5                  | 0            | 61.9                              | -                         | -              | 68.2                | -6.3                 | 184               | 108            | H        |
| 3      | 5.47                | 40.49                      | Pk  | 34.9          | -17.5                  | 0            | 57.89                             | -                         | -              | 68.2                | -10.31               | 184               | 108            | H        |
| 7      | 5.47                | 33.27                      | RMS | 34.9          | -17.5                  | 19           | 50.86                             | 54                        | -3.14          | -                   | -                    | 184               | 108            | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequenc<br>y (GHz) | Meter<br>Reading<br>(dBuV) | Det | AF T136 (dBim) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Correcte<br>d Reading<br>(dBuV/m) | Average Limit (dBuV/m) | Margin<br>(dB) | Peak Limit (dBuV/m) | PK<br>Margin<br>(dB) | Altitude<br>(Degs) | Height<br>(cm) | Polarity |
|--------|---------------------|----------------------------|-----|----------------|------------------------|--------------|-----------------------------------|------------------------|----------------|---------------------|----------------------|--------------------|----------------|----------|
| 2      | *5.444              | 42.34                      | Pk  | 34.9           | -17.7                  | 0            | 59.54                             | -                      | -              | 74                  | -14.46               | 156                | 102            | V        |
| 6      | *5.459              | 32.08                      | RMS | 34.9           | -17.5                  | .19          | 49.67                             | 54                     | -4.33          | -                   | -                    | 156                | 102            | V        |
| 1      | *5.46               | 39.09                      | Pk  | 34.9           | -17.5                  | 0            | 56.49                             | -                      | -              | 74                  | -17.51               | 156                | 102            | V        |
| 5      | *5.46               | 31.47                      | RMS | 34.9           | -17.5                  | .19          | 49.06                             | 54                     | -4.94          | -                   | -                    | 156                | 102            | V        |
| 8      | 5.462               | 32.33                      | RMS | 34.9           | -17.5                  | .19          | 49.92                             | 54                     | -4.08          | -                   | -                    | 156                | 102            | V        |
| 4      | 5.463               | 41.43                      | Pk  | 34.9           | -17.5                  | 0            | 58.83                             | -                      | -              | 68.2                | -9.37                | 156                | 102            | V        |
| 3      | 5.47                | 37.04                      | Pk  | 34.9           | -17.5                  | 0            | 54.44                             | -                      | -              | 68.2                | -13.76               | 156                | 102            | V        |
| 7      | 5.47                | 31.18                      | RMS | 34.9           | -17.5                  | .19          | 48.77                             | 54                     | -5.23          | -                   | -                    | 156                | 102            | V        |

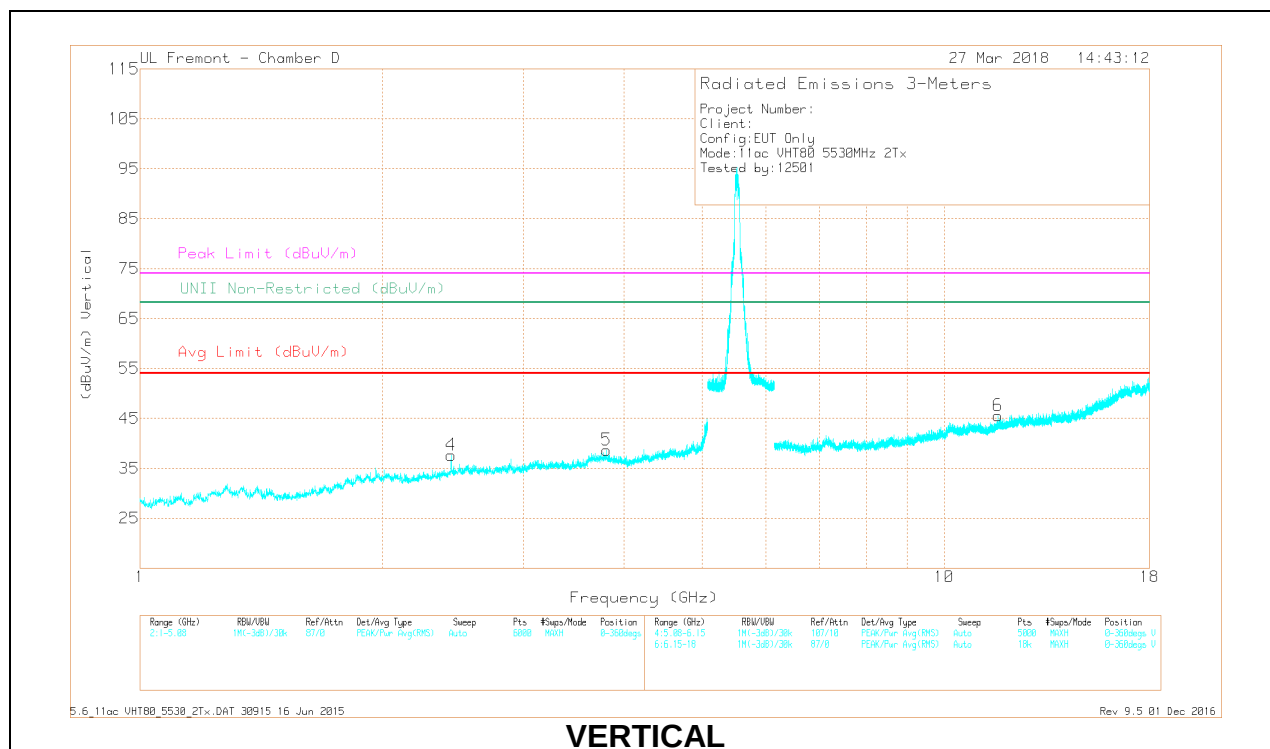
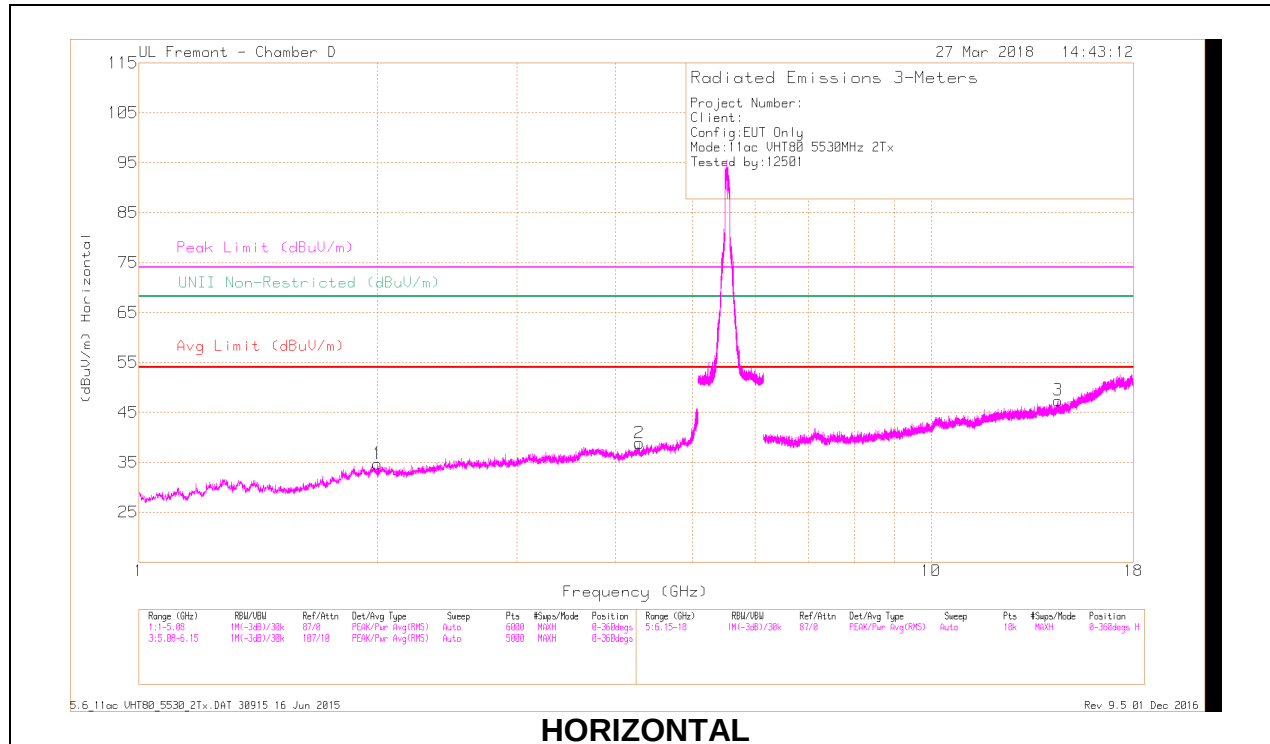
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



## RADIATED EMISSIONS

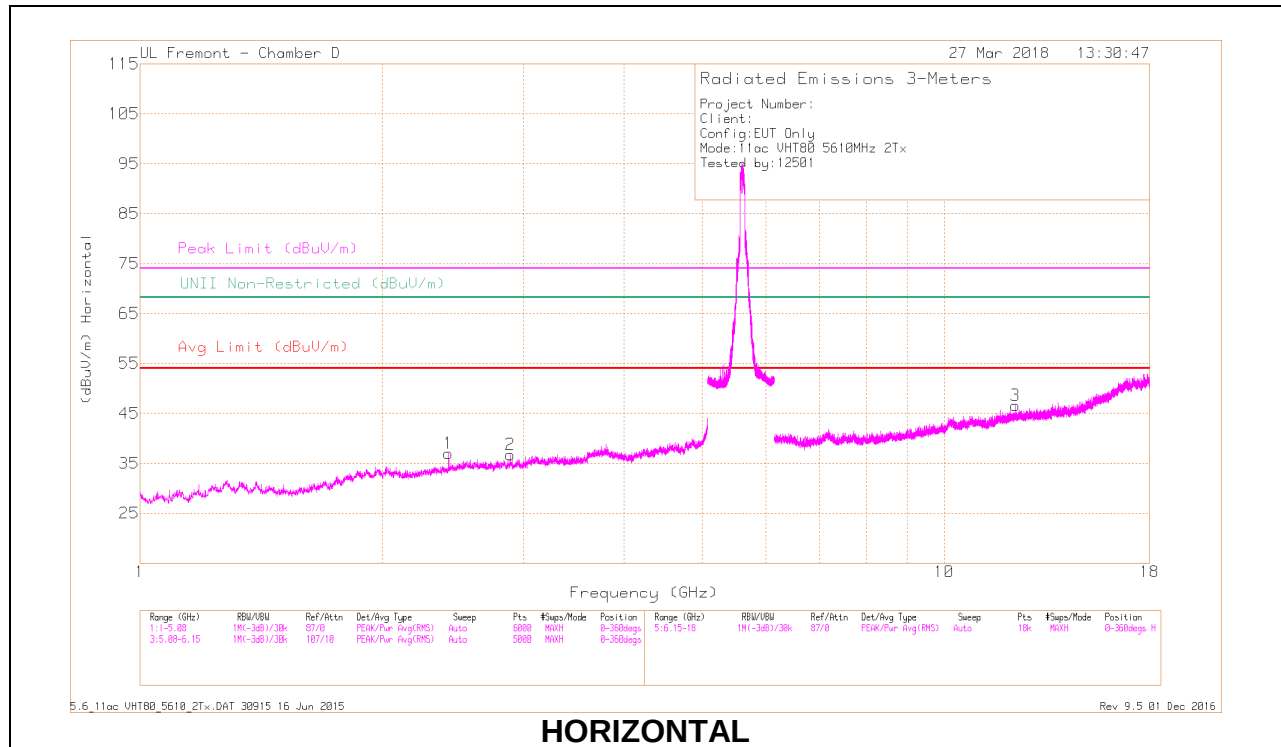
| Marker<br>s | Frequ<br>ncy<br>(GHz) | Meter<br>Readin<br>g<br>(dBuV) | Det  | AF<br>T136<br>(dB/m) | Amp/C<br>bl/Filtr/<br>Pad<br>(dB) | DC<br>Corr<br>(dB) | Correct<br>ed<br>Readin<br>g<br>(dBuV/<br>m) | Avg<br>Limit<br>(dBuV/<br>m) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/<br>m) | PK<br>Margin<br>(dB) | UNII<br>Non-<br>Restic<br>ted<br>(dBuV/<br>m) | PK<br>Margin<br>(dB) | Azimu<br>t<br>(Degs) | Height<br>(cm) | Polarit<br>y |
|-------------|-----------------------|--------------------------------|------|----------------------|-----------------------------------|--------------------|----------------------------------------------|------------------------------|----------------|-------------------------------|----------------------|-----------------------------------------------|----------------------|----------------------|----------------|--------------|
| 2           | * 4.284               | 38.08                          | PK-U | 33.9                 | -27.7                             | 0                  | 44.28                                        | -                            | -              | 74                            | -29.72               | -                                             | -                    | 80                   | 116            | H            |
|             | * 4.284               | 25.96                          | ADR  | 33.9                 | -27.7                             | .19                | 32.35                                        | 54                           | -21.65         | -                             | -                    | -                                             | -                    | 80                   | 116            | H            |
| 5           | * 3.805               | 38.35                          | PK-U | 33.7                 | -28.3                             | 0                  | 43.75                                        | -                            | -              | 74                            | -30.25               | -                                             | -                    | 339                  | 260            | V            |
|             | * 3.804               | 26.61                          | ADR  | 33.7                 | -28.3                             | .19                | 32.2                                         | 54                           | -21.8          | -                             | -                    | -                                             | -                    | 339                  | 260            | V            |
| 6           | * 11.672              | 33.51                          | PK-U | 38.4                 | -20.2                             | 0                  | 51.71                                        | -                            | -              | 74                            | -22.29               | -                                             | -                    | 264                  | 158            | V            |
|             | * 11.671              | 21.66                          | ADR  | 38.4                 | -20.2                             | .19                | 40.05                                        | 54                           | -13.95         | -                             | -                    | -                                             | -                    | 264                  | 158            | V            |
| 1           | 2.002                 | 39.75                          | PK-U | 31.5                 | -30.5                             | 0                  | 40.75                                        | -                            | -              | -                             | -                    | 68.2                                          | -27.45               | 121                  | 218            | H            |
| 4           | 2.438                 | 40.53                          | PK-U | 32.2                 | -30.4                             | 0                  | 42.33                                        | -                            | -              | -                             | -                    | 68.2                                          | -25.87               | 73                   | 147            | V            |
| 3           | 14.461                | 34.96                          | PK-U | 39.4                 | -21.2                             | 0                  | 53.16                                        | -                            | -              | -                             | -                    | 68.2                                          | -15.04               | 222                  | 301            | H            |

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

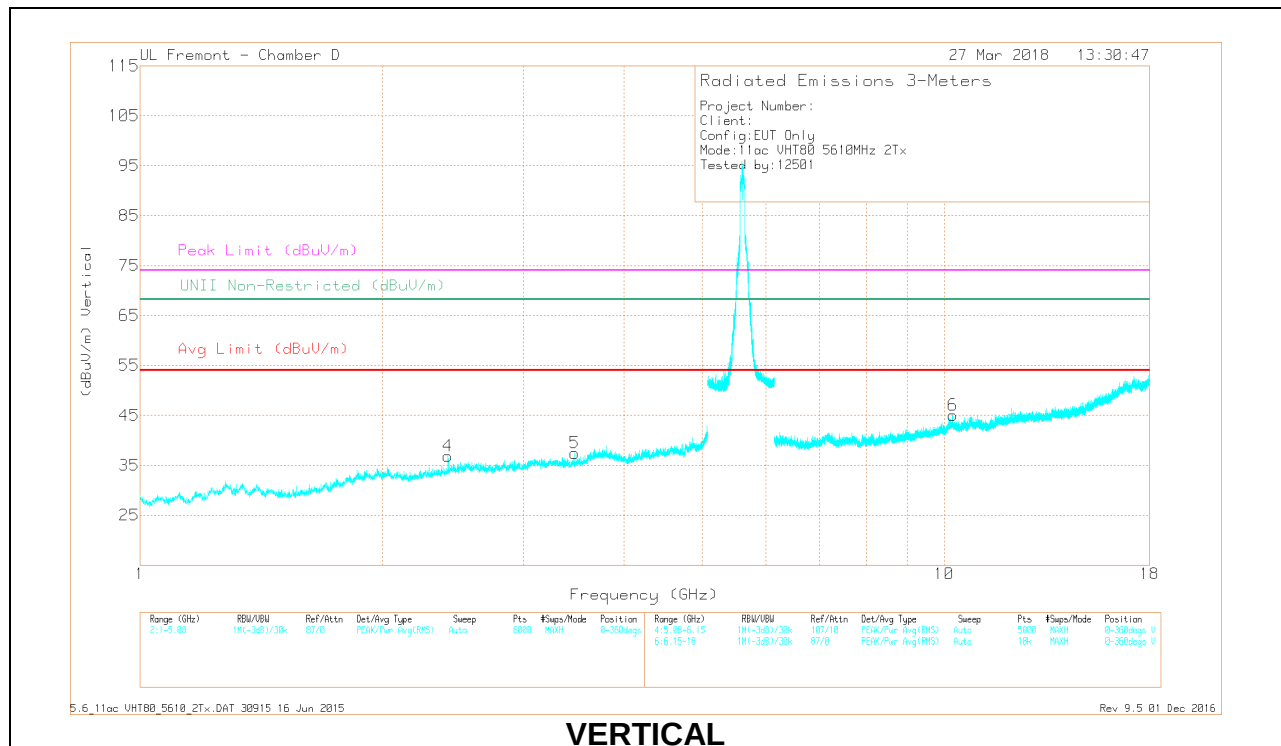
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

## HIGH CHANNEL RESULTS



## HORIZONTAL



## VERTICAL

## RADIATED EMISSIONS

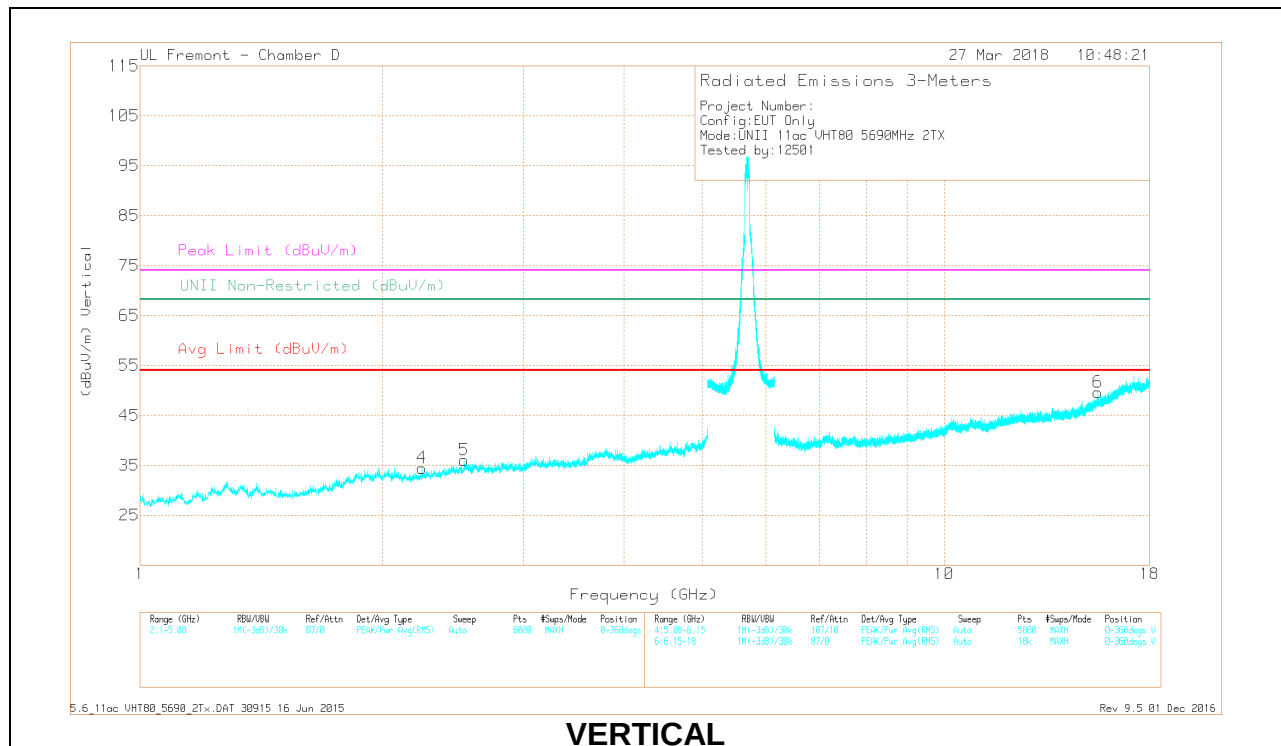
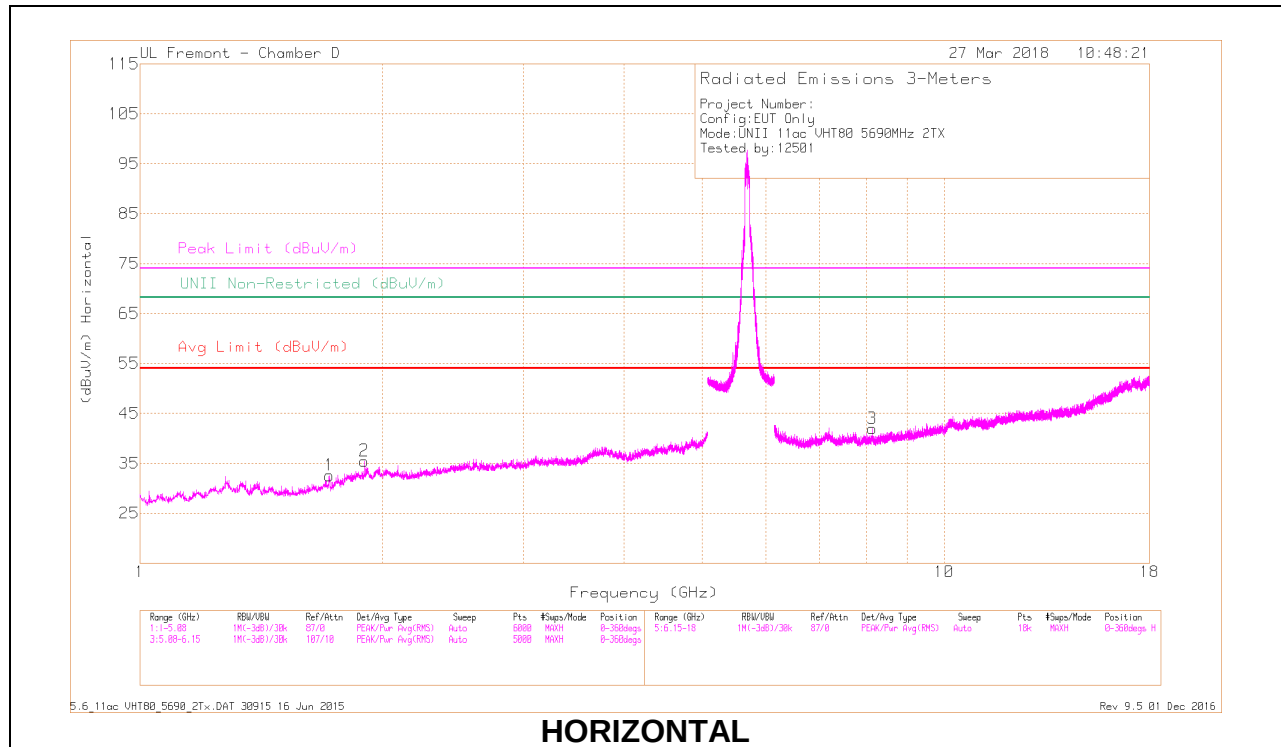
| Mark<br>ers | Frequenc<br>y<br>(GHz) | Meter<br>Readin<br>g<br>(dBuV) | Det  | AF<br>T136<br>(dB/m) | Amp/C<br>bl/Filtr/P<br>ad (dB) | DC<br>Corr<br>(dB) | Correct<br>ed<br>Readin<br>g<br>(dBuV/<br>m) | Avg<br>Limit<br>(dBuV/<br>m) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/<br>m) | PK<br>Margin<br>(dB) | UNII<br>Non-<br>Restrict<br>ed<br>(dBuV/<br>m) | PK<br>Margin<br>(dB) | Azimet<br>h<br>(Degs) | Height<br>(cm) | Polarity |
|-------------|------------------------|--------------------------------|------|----------------------|--------------------------------|--------------------|----------------------------------------------|------------------------------|----------------|-------------------------------|----------------------|------------------------------------------------|----------------------|-----------------------|----------------|----------|
| 2           | * 2.888                | 40.11                          | PK-U | 32.5                 | -28.8                          | 0                  | 43.81                                        | -                            | -              | 74                            | -30.19               | -                                              | -                    | 318                   | 275            | H        |
|             | * 2.886                | 27.54                          | ADR  | 32.5                 | -28.8                          | .19                | 31.43                                        | 54                           | -22.57         | -                             | -                    | -                                              | -                    | 318                   | 275            | H        |
| 3           | * 12.255               | 34.42                          | PK-U | 38.9                 | -20.6                          | 0                  | 52.72                                        | -                            | -              | 74                            | -21.28               | -                                              | -                    | 89                    | 123            | H        |
|             | * 12.252               | 22.28                          | ADR  | 38.9                 | -20.7                          | .19                | 40.67                                        | 54                           | -13.33         | -                             | -                    | -                                              | -                    | 89                    | 123            | H        |
| 4           | 2.418                  | 40.82                          | PK-U | 32.1                 | -30.3                          | 0                  | 42.62                                        | -                            | -              | -                             | -                    | 68.2                                           | -25.58               | 42                    | 226            | V        |
| 1           | 2.419                  | 40.58                          | PK-U | 32.1                 | -30.3                          | 0                  | 42.38                                        | -                            | -              | -                             | -                    | 68.2                                           | -25.82               | 231                   | 332            | H        |
| 5           | 3.472                  | 39.12                          | PK-U | 33.1                 | -28.5                          | 0                  | 43.72                                        | -                            | -              | -                             | -                    | 68.2                                           | -24.48               | 221                   | 324            | V        |
| 6           | 10.251                 | 34.21                          | PK-U | 37.5                 | -20.4                          | 0                  | 51.31                                        | -                            | -              | -                             | -                    | 68.2                                           | -16.89               | 360                   | 189            | V        |

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

## CHANNEL 138 RESULTS



## RADIATED EMISSIONS

| Marker<br>s | Frequen<br>cy<br>(GHz) | Meter<br>Readin<br>g<br>(dBuV) | Det  | AF<br>T136<br>(dB/m) | Amp/Cb<br>l/Ftr/Pa<br>d (dB) | DC<br>Corr<br>(dB) | Correct<br>ed<br>Readin<br>g<br>(dBuV/<br>m) | Avg<br>Limit<br>(dBuV/<br>m) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/<br>m) | PK<br>Margin<br>(dB) | UNII<br>Non-<br>Restrict<br>ed<br>(dBuV/<br>m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|-------------|------------------------|--------------------------------|------|----------------------|------------------------------|--------------------|----------------------------------------------|------------------------------|----------------|-------------------------------|----------------------|------------------------------------------------|----------------------|-------------------|----------------|----------|
| 1           | * 1.719                | 39.79                          | PK-U | 29.2                 | -30.8                        | 0                  | 38.19                                        | -                            | -              | 74                            | -35.81               | -                                              | -                    | 227               | 299            | H        |
|             | 1.716                  | 27.94                          | ADR  | 29.2                 | -30.8                        | .19                | 26.53                                        | 54                           | -26.53         | -                             | -                    | -                                              | -                    | 227               | 299            | H        |
| 4           | * 2.242                | 40.16                          | PK-U | 31.5                 | -30.6                        | 0                  | 41.06                                        | -                            | -              | 74                            | -32.94               | -                                              | -                    | 109               | 391            | V        |
|             | * 2.241                | 28.27                          | ADR  | 31.5                 | -30.6                        | .19                | 29.36                                        | 54                           | -24.64         | -                             | -                    | -                                              | -                    | 109               | 391            | V        |
| 3           | * 8.137                | 35.98                          | PK-U | 35.8                 | -23.2                        | 0                  | 48.58                                        | -                            | -              | 74                            | -25.42               | -                                              | -                    | 275               | 226            | H        |
|             | * 8.139                | 23.69                          | ADR  | 35.8                 | -23.4                        | .19                | 36.28                                        | 54                           | -17.72         | -                             | -                    | -                                              | -                    | 275               | 226            | H        |
| 6           | * 15.531               | 34.13                          | PK-U | 40.9                 | -20.1                        | 0                  | 54.93                                        | -                            | -              | 74                            | -19.07               | -                                              | -                    | 23                | 390            | V        |
|             | * 15.529               | 22.88                          | ADR  | 40.9                 | -20.1                        | .19                | 43.87                                        | 54                           | -10.13         | -                             | -                    | -                                              | -                    | 23                | 390            | V        |
| 2           | 1.902                  | 40.51                          | PK-U | 31.5                 | -31                          | 0                  | 41.01                                        | -                            | -              | -                             | -                    | 68.2                                           | -27.19               | 263               | 316            | H        |
| 5           | 2.528                  | 40.68                          | PK-U | 32.4                 | -29.6                        | 0                  | 43.48                                        | -                            | -              | -                             | -                    | 68.2                                           | -24.72               | 286               | 248            | V        |

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

PK-U - U-NII: Maximum Peak

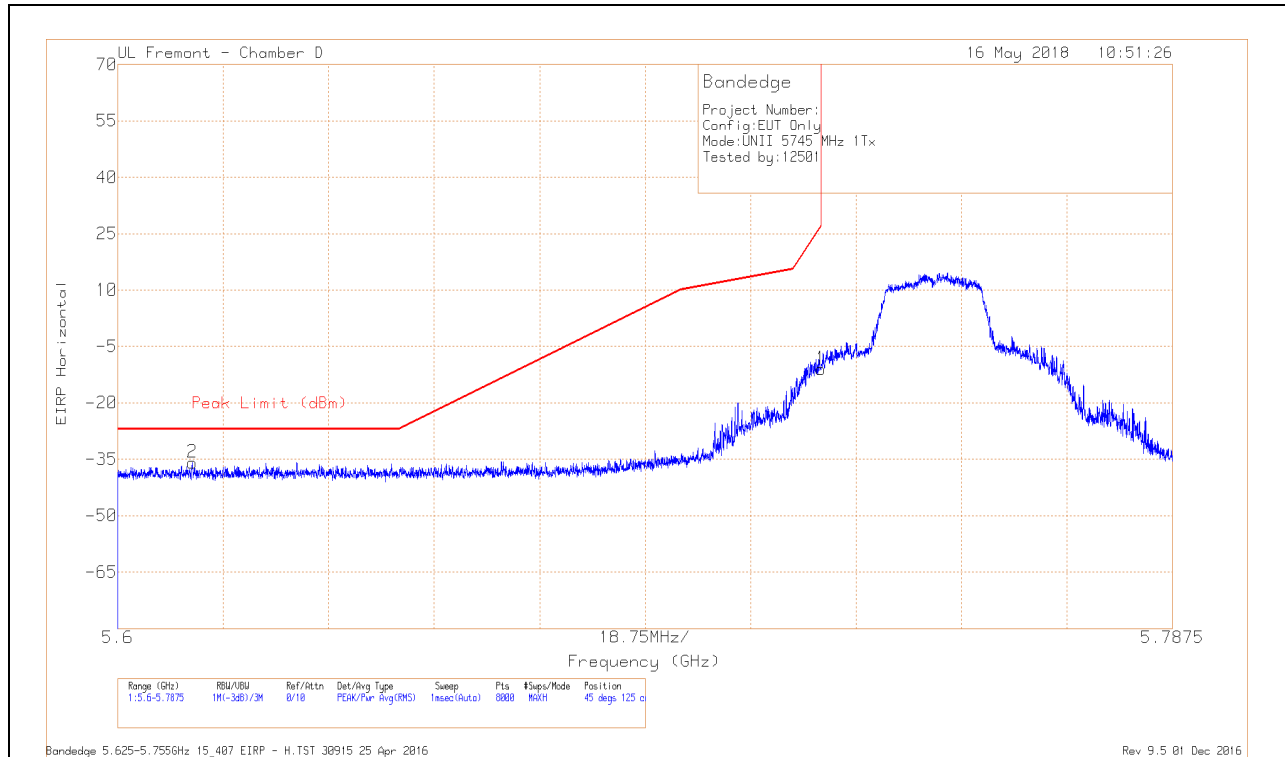
ADR - U-NII AD primary method, RMS average

## 9.1.9. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.8 GHz BAND

### 1TX Antenna 6 MODE

### BANDEDGE (LOW CHANNEL)

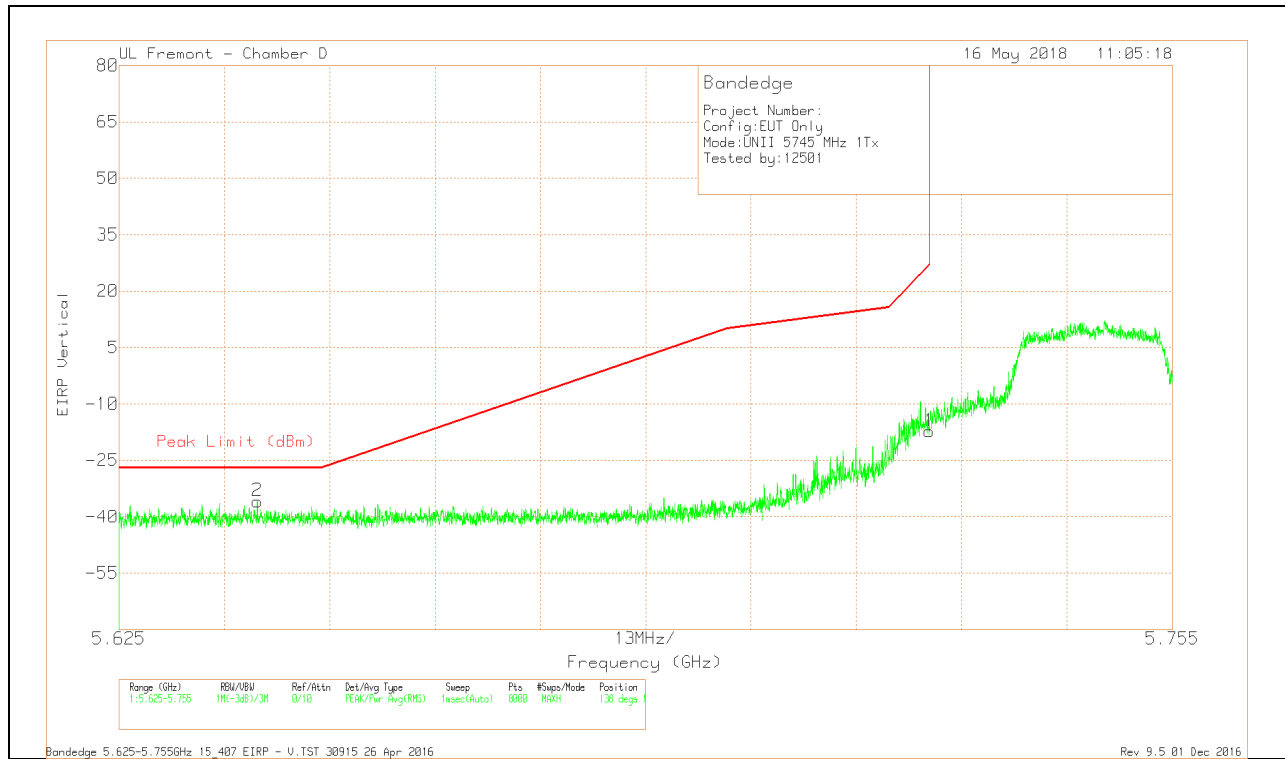
### HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 2      | 5.613           | -65.81              | Pk  | 35.3           | -17.2                  | 11.8                   | -35.91                 | -27              | -8.91          | 45             | 125         | H        |
| 1      | 5.725           | -41.27              | Pk  | 35.6           | -17.1                  | 11.8                   | -10.97                 | 26.96            | -37.93         | 45             | 125         | H        |

Pk - Peak detector

## VERTICAL RESULT

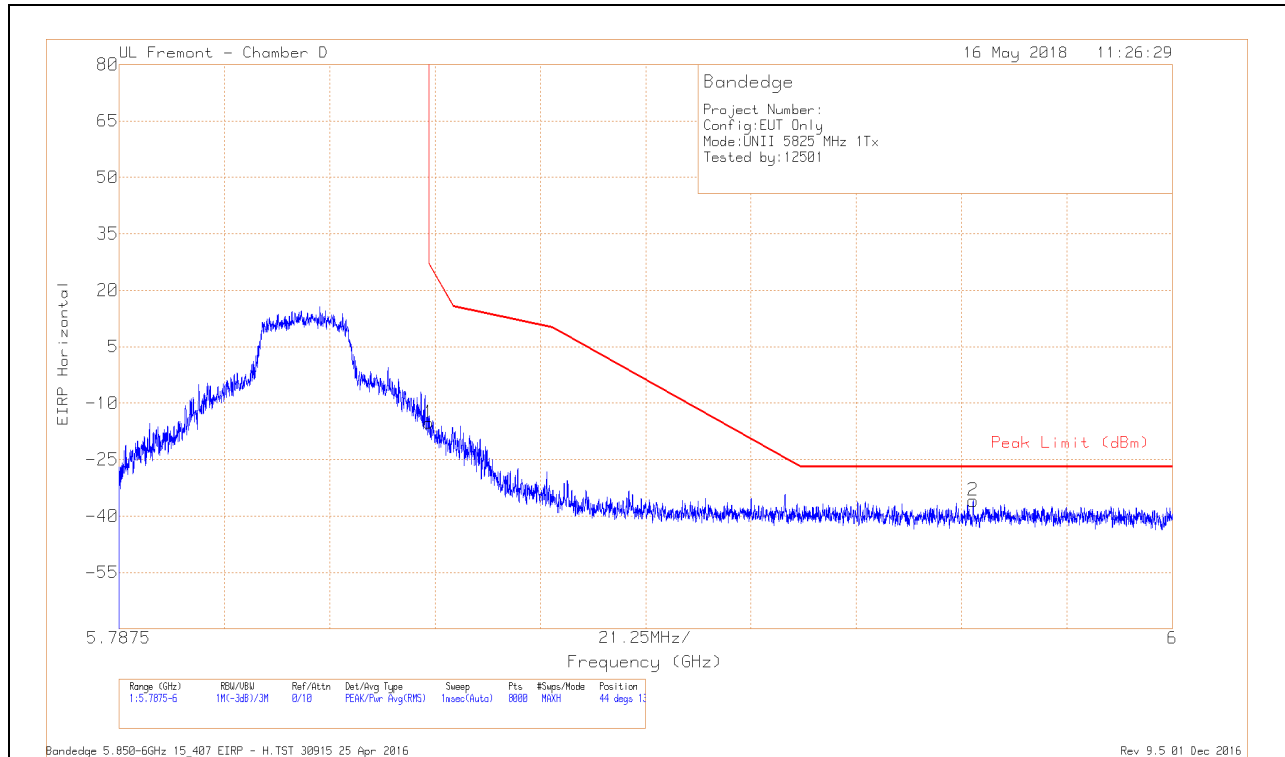


| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 2      | 5.642           | -65.77              | Pk  | 35.3           | -17.2                  | 11.8                   | -35.87                 | -27              | -8.87          | 138            | 102         | V        |
| 1      | 5.725           | -47.58              | Pk  | 35.6           | -17.1                  | 11.8                   | -17.28                 | 27               | -44.28         | 138            | 102         | V        |

Pk - Peak detector

# **BANDEDGE (HIGH CHANNEL)**

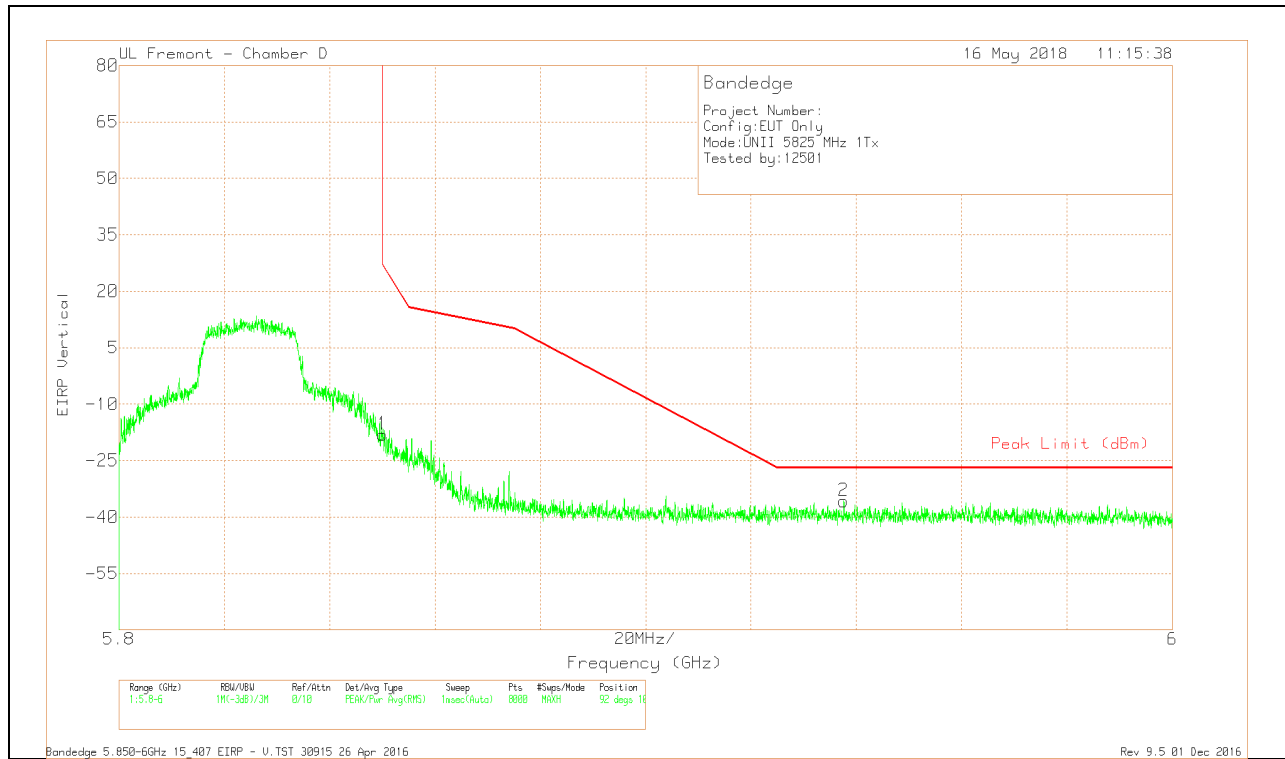
## **HORIZONTAL RESULT**



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -45.86              | Pk  | 35.8           | -17                    | 11.8                   | -15.26                 | 26.98            | -42.24         | 44             | 135         | H        |
| 2      | 5.96            | -66.53              | Pk  | 35.8           | -17                    | 11.8                   | -35.93                 | -27              | -8.93          | 44             | 135         | H        |

Pk - Peak detector

## VERTICAL RESULT



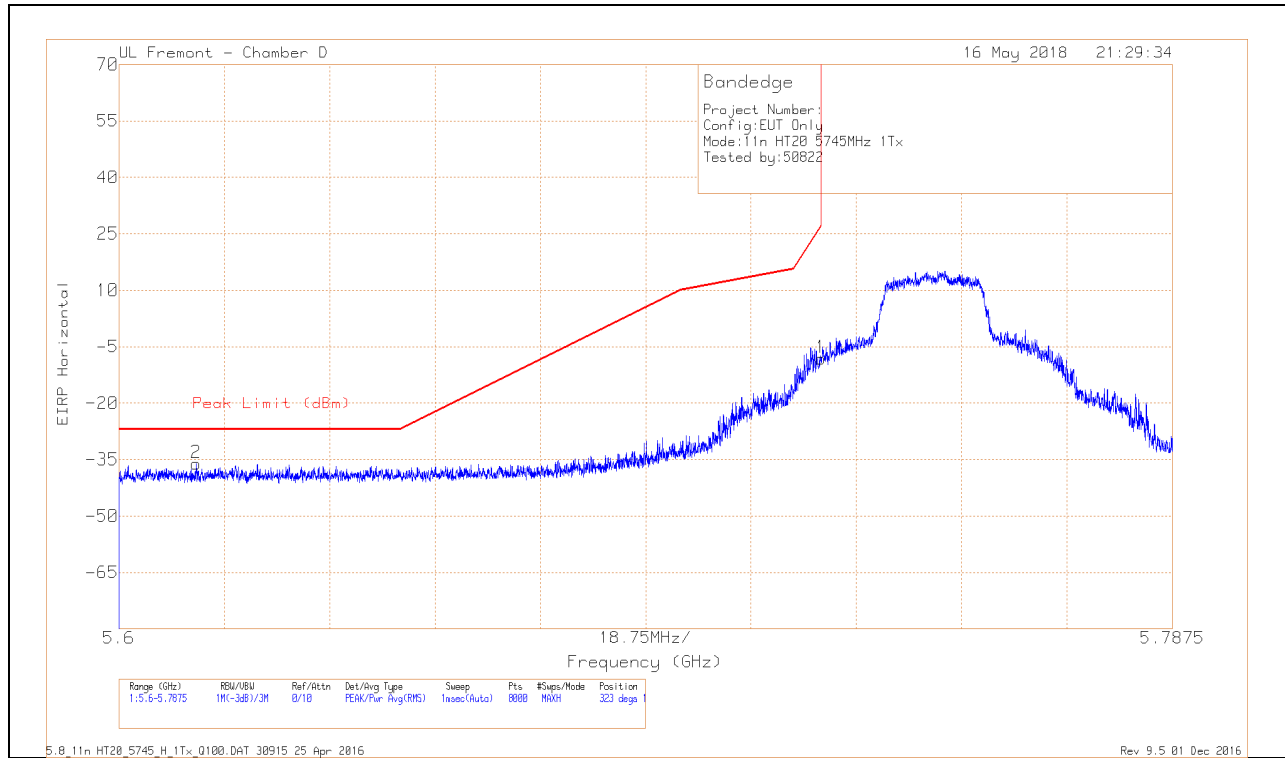
| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Amp/Cbl/Fitr/P ad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -48.69              | Pk  | 35.8           | -17                    | 11.8                   | -18.09                 | 26.99            | -45.08         | 92             | 102         | V        |
| 2      | 5.938           | -66.35              | Pk  | 35.8           | -17                    | 11.8                   | -35.75                 | -27              | -8.75          | 92             | 102         | V        |

Pk - Peak detector

**1TX Antenna 5 MODE**

**BANEDGE (LOW CHANNEL)**

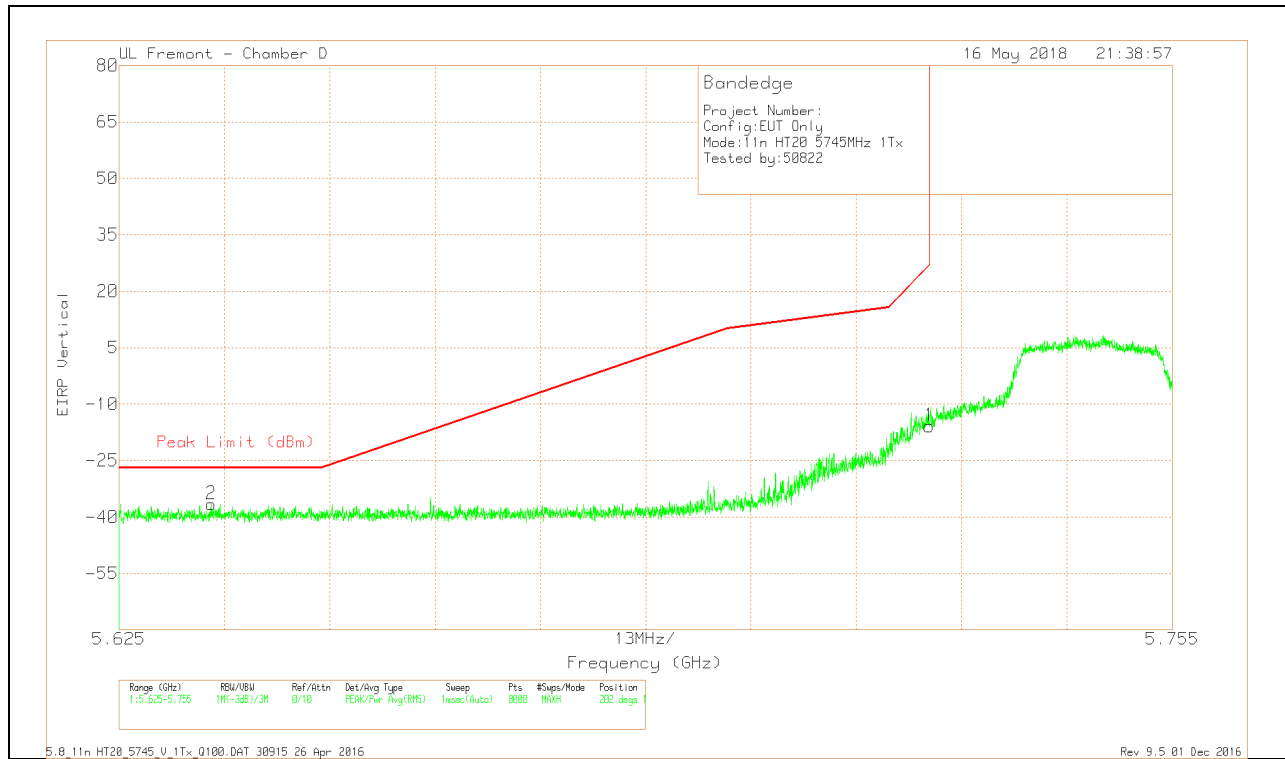
**HORIZONTAL RESULT**



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|-----------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 2      | 5.614           | -65.9               | Pk  | 35.3           | -17.2                 | 11.8                   | -36                    | -27              | -9             | 323            | 188         | H        |
| 1      | 5.725           | -38.39              | Pk  | 35.6           | -17.1                 | 11.8                   | -8.09                  | 26.96            | -35.05         | 323            | 188         | H        |

Pk - Peak detector

## VERTICAL RESULT

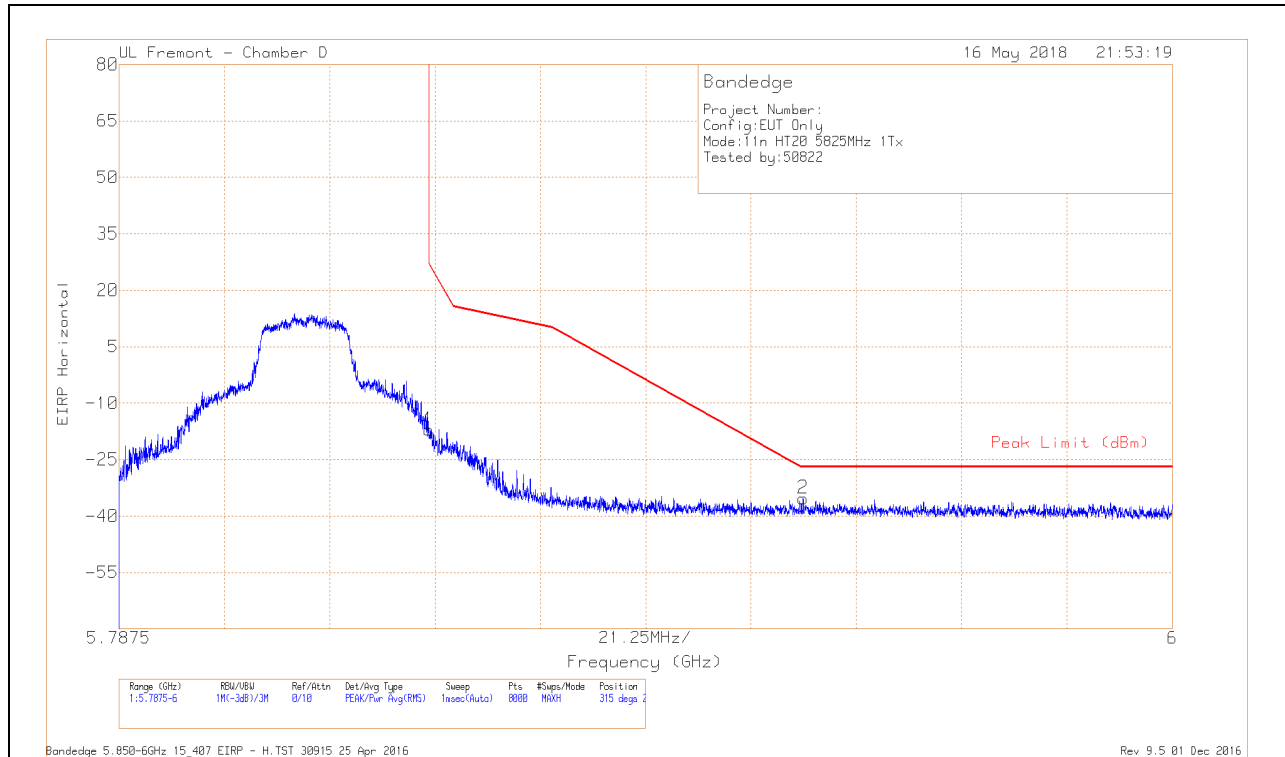


| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|-----------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 2      | 5.636           | -66.58              | Pk  | 35.3           | -17.1                 | 11.8                   | -36.58                 | -27              | -9.58          | 202            | 199         | V        |
| 1      | 5.725           | -46.11              | Pk  | 35.6           | -17.1                 | 11.8                   | -15.81                 | 27               | -42.81         | 202            | 199         | V        |

Pk - Peak detector

# **BANDEDGE (HIGH CHANNEL)**

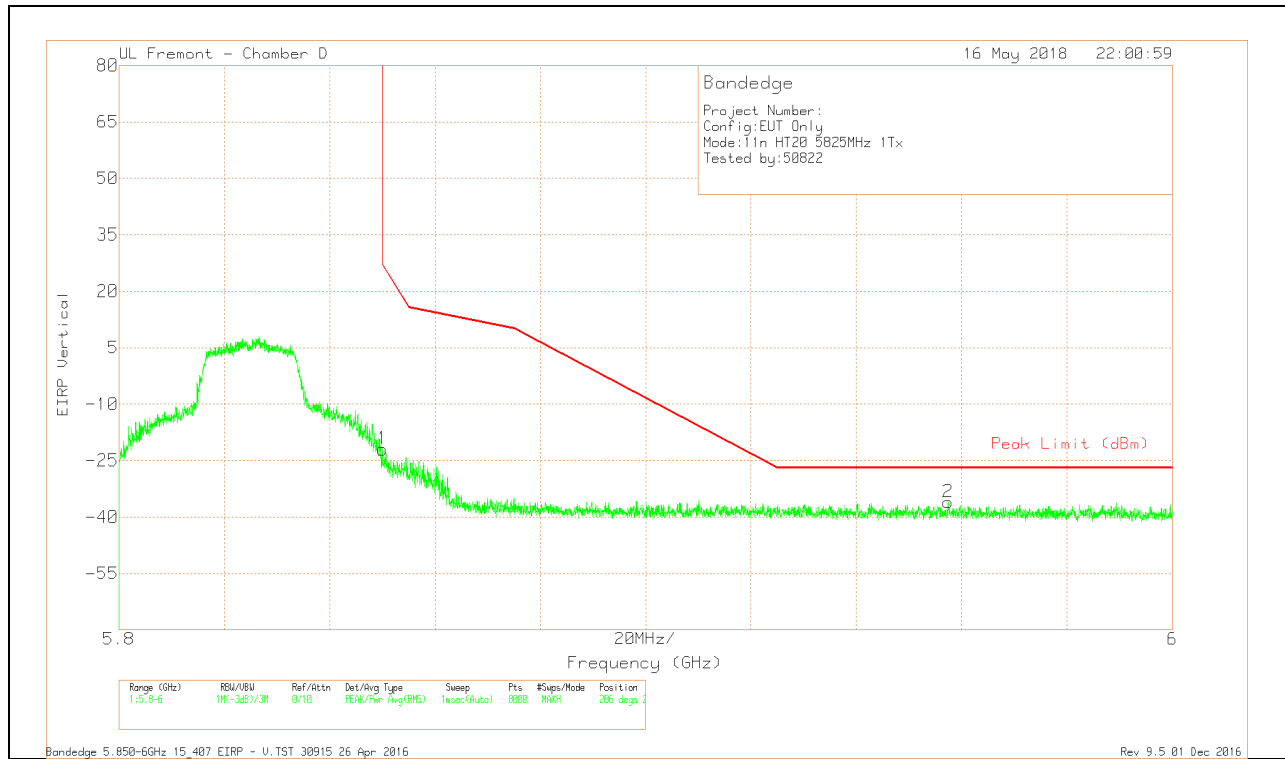
## **HORIZONTAL RESULT**



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -47.67              | Pk  | 35.8           | -17                    | 11.8                   | -17.07                 | 26.98            | -44.05         | 315            | 218         | H        |
| 2      | 5.926           | -65.91              | Pk  | 35.8           | -17                    | 11.8                   | -35.31                 | -27              | -8.31          | 315            | 218         | H        |

Pk - Peak detector

## VERTICAL RESULT



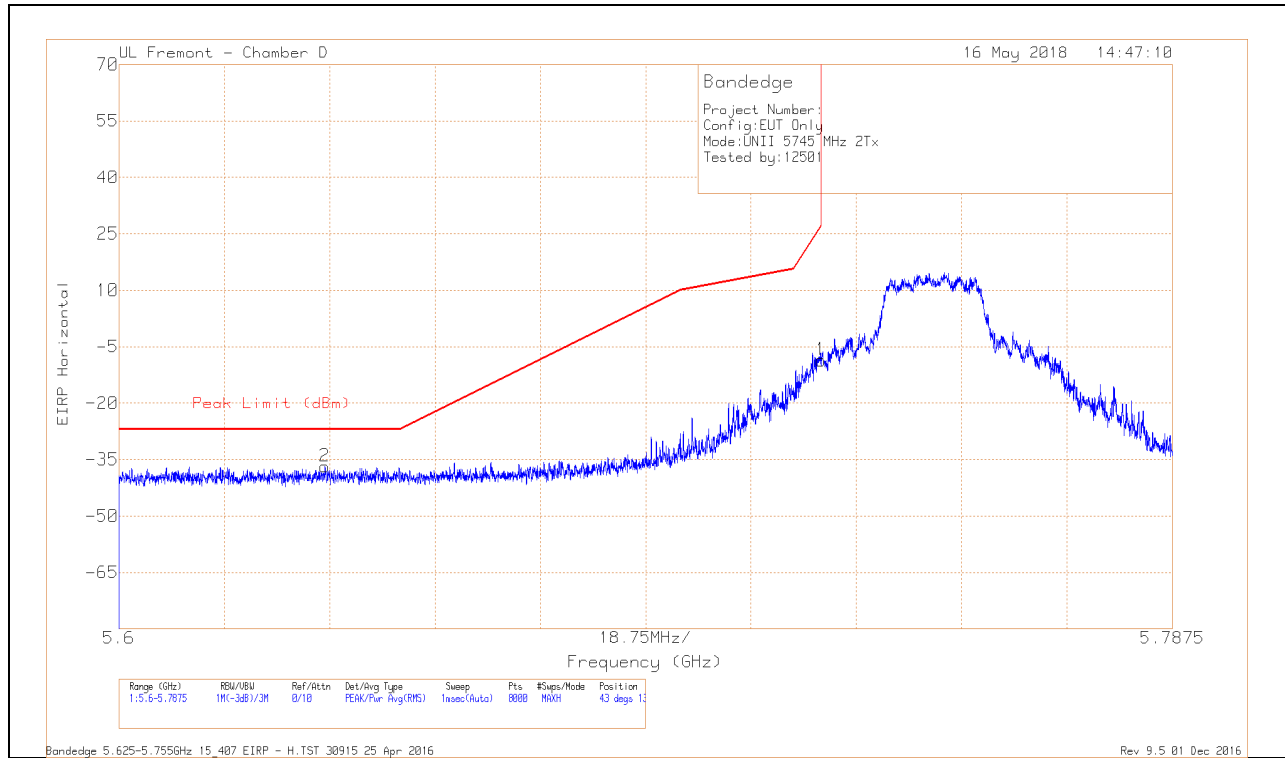
| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|-----------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -52.57              | Pk  | 35.8           | -17                   | 11.8                   | -21.97                 | 26.99            | -48.96         | 206            | 245         | V        |
| 2      | 5.957           | -66.69              | Pk  | 35.8           | -17                   | 11.8                   | -36.09                 | -27              | -9.09          | 206            | 245         | V        |

Pk - Peak detector

**2TX Antenna 6 + Antenna 5 CDD MODE**

**BANDEDGE (LOW CHANNEL)**

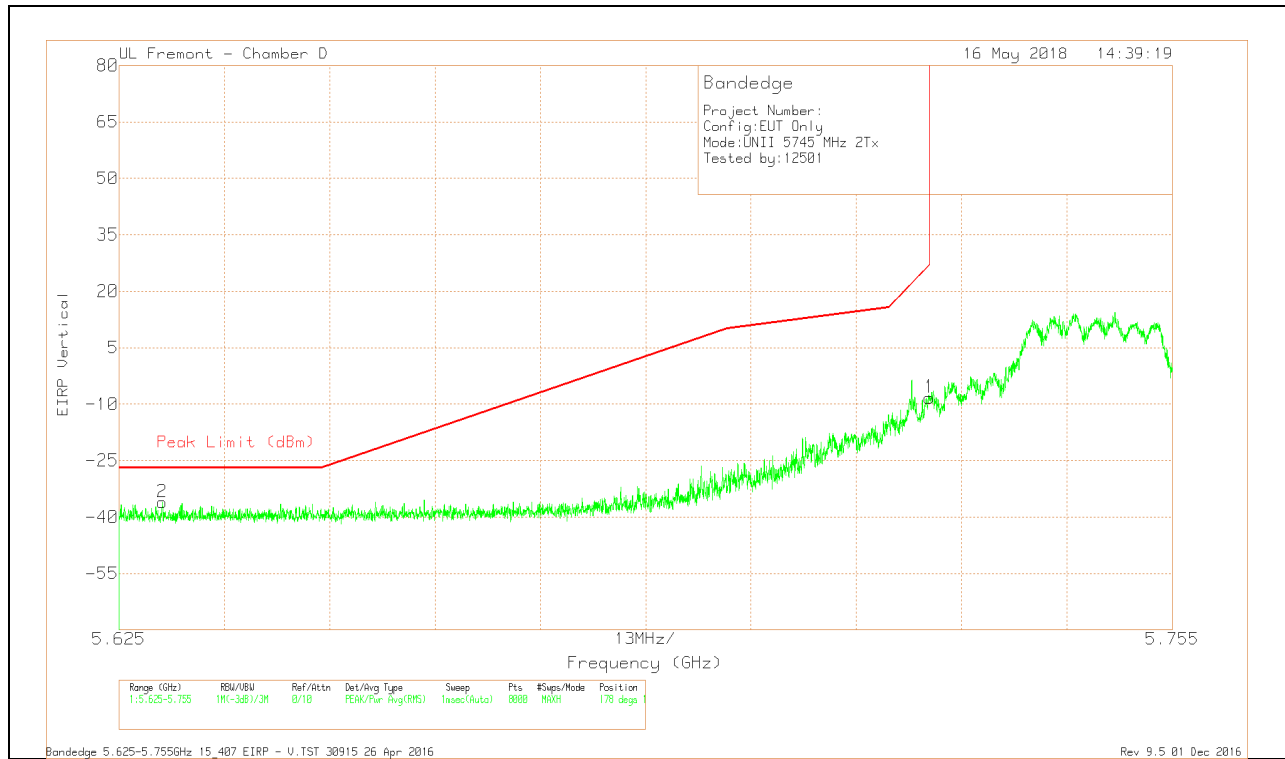
**HORIZONTAL RESULT**



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|-----------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 2      | 5.637           | -66.81              | Pk  | 35.3           | -17.1                 | 11.8                   | -36.81                 | -27              | -9.81          | 43             | 130         | H        |
| 1      | 5.725           | -38.91              | Pk  | 35.6           | -17.1                 | 11.8                   | -8.61                  | 26.96            | -35.57         | 43             | 130         | H        |

Pk - Peak detector

## VERTICAL RESULT

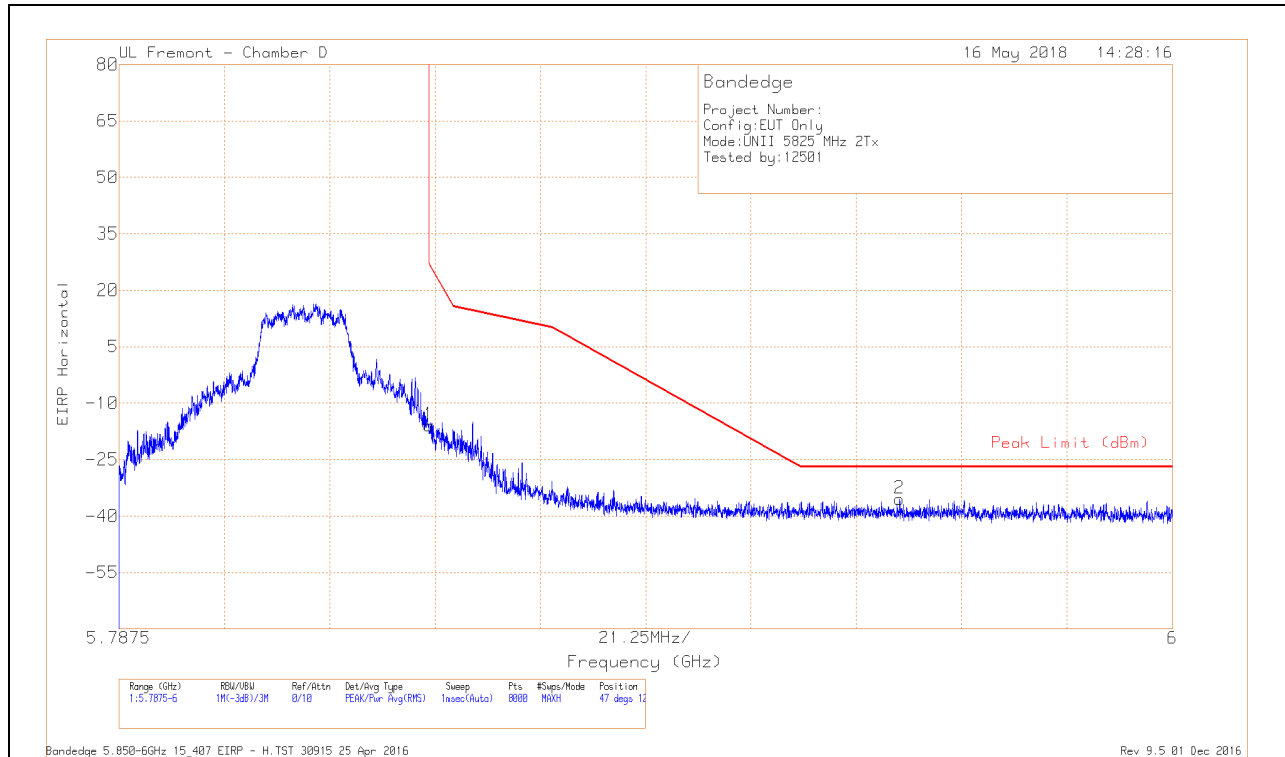


| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|-----------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 2      | 5.63            | -66.07              | Pk  | 35.3           | -17.1                 | 11.8                   | -36.07                 | -27              | -9.07          | 178            | 101         | V        |
| 1      | 5.725           | -38.6               | Pk  | 35.6           | -17.1                 | 11.8                   | -8.3                   | 27               | -35.3          | 178            | 101         | V        |

Pk - Peak detector

# **BANDEGE (HIGH CHANNEL)**

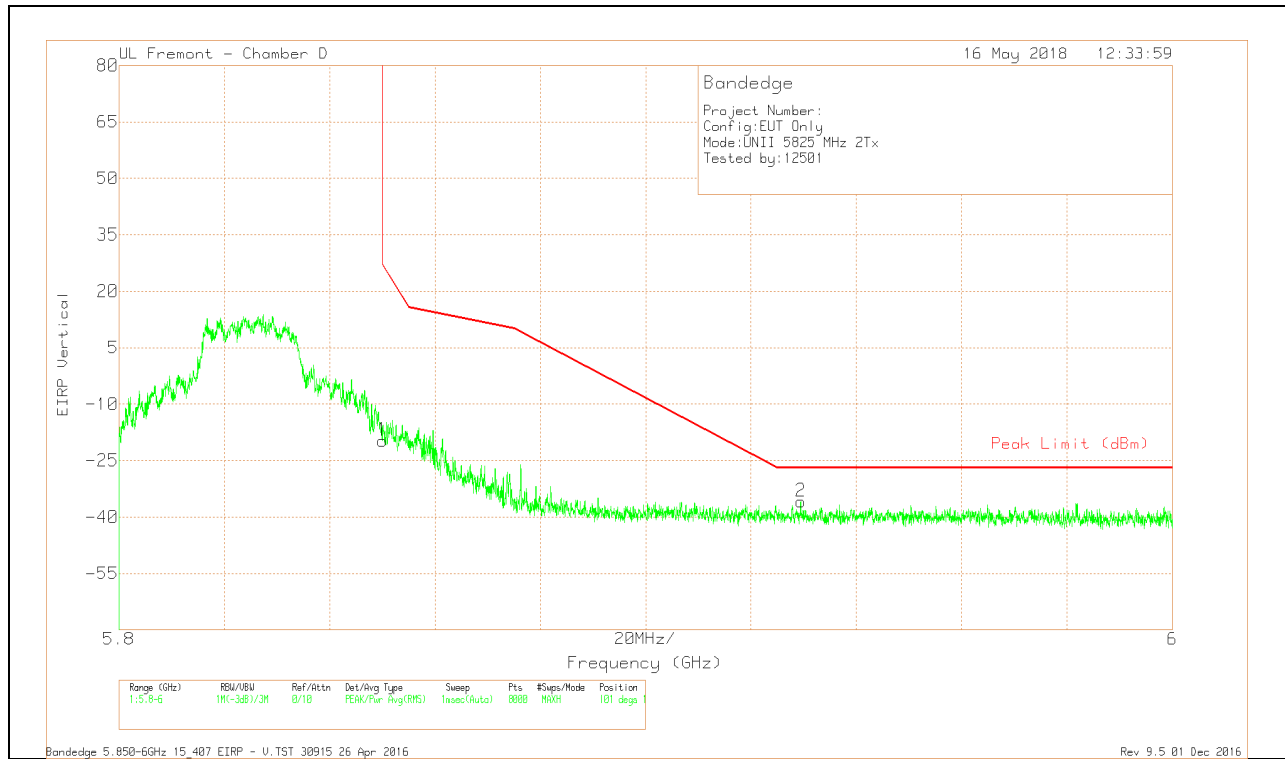
## **HORIZONTAL RESULT**



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -46.45              | Pk  | 35.8           | -17                    | 11.8                   | -15.85                 | 26.98            | -42.83         | 47             | 129         | H        |
| 2      | 5.945           | -66.02              | Pk  | 35.8           | -17                    | 11.8                   | -35.42                 | -27              | -8.42          | 47             | 129         | H        |

Pk - Peak detector

## VERTICAL RESULT

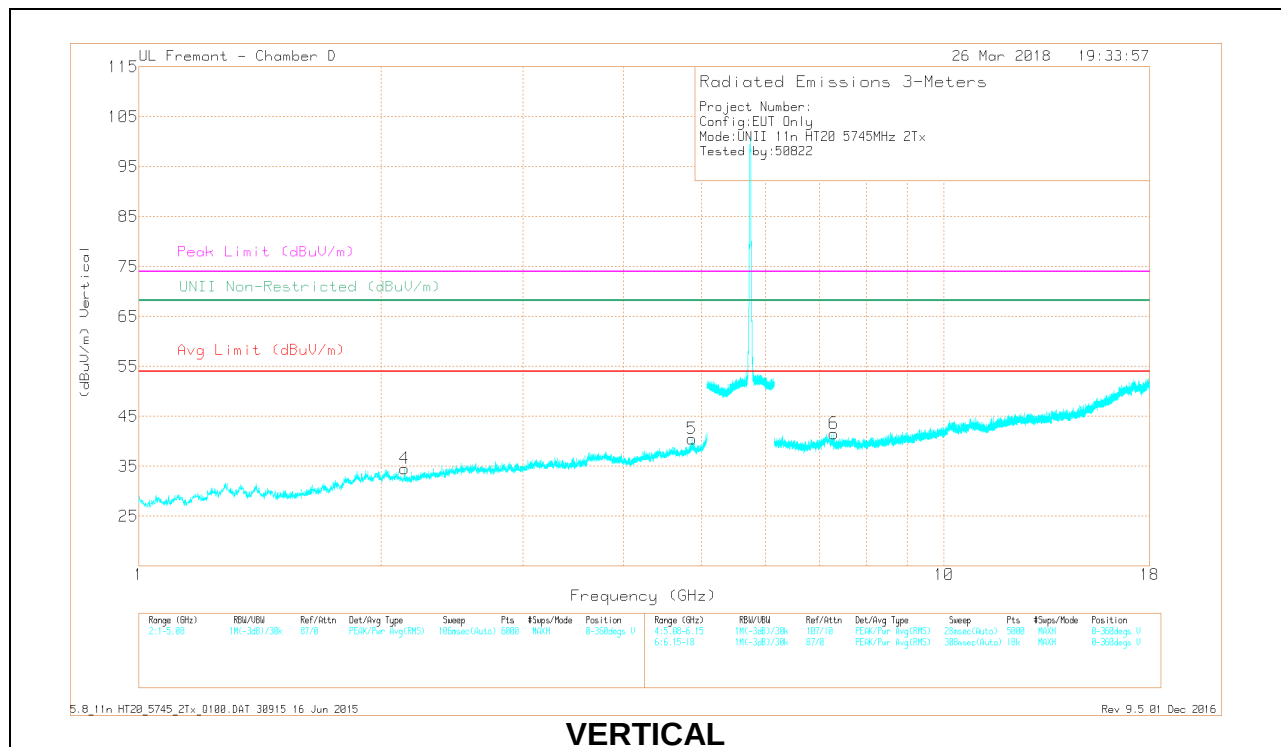
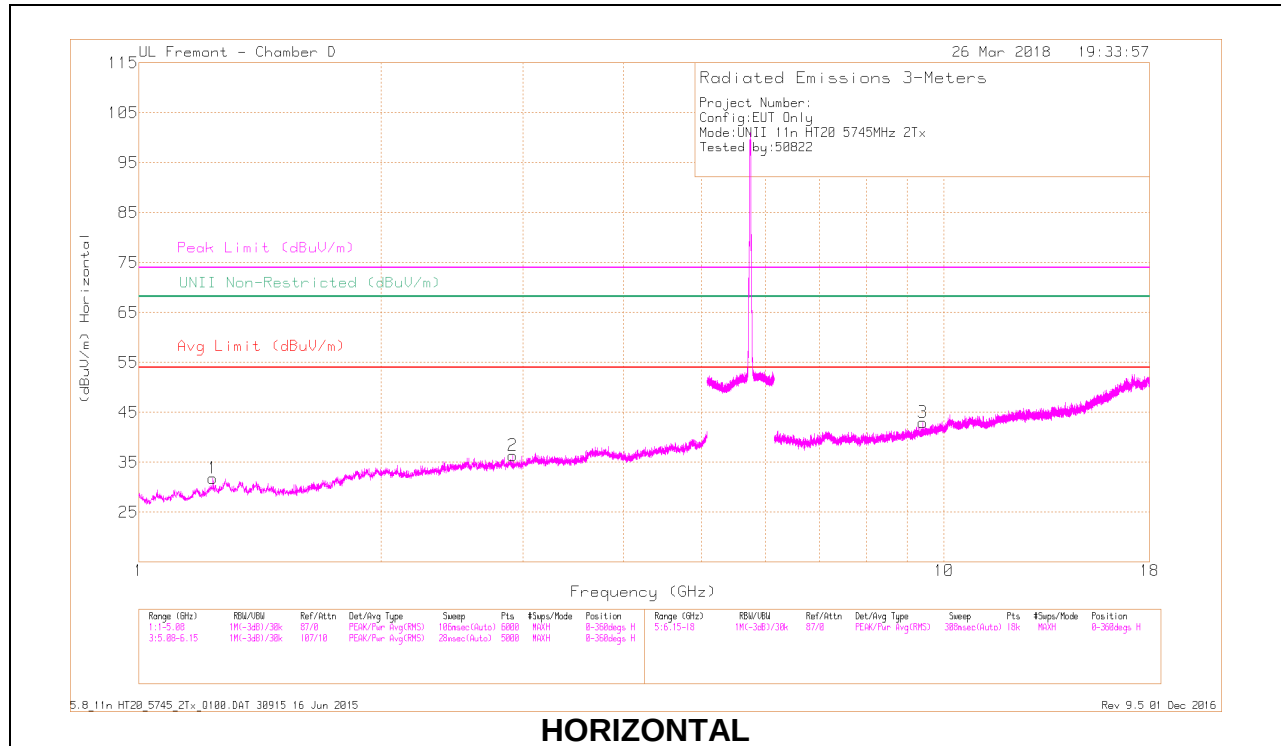


| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|-----------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -50.28              | Pk  | 35.8           | -17                   | 11.8                   | -19.68                 | 26.99            | -46.67         | 101            | 101         | V        |
| 2      | 5.929           | -66.55              | Pk  | 35.8           | -16.9                 | 11.8                   | -35.85                 | -27              | -8.85          | 101            | 101         | V        |

Pk - Peak detector

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



## RADIATED EMISSIONS

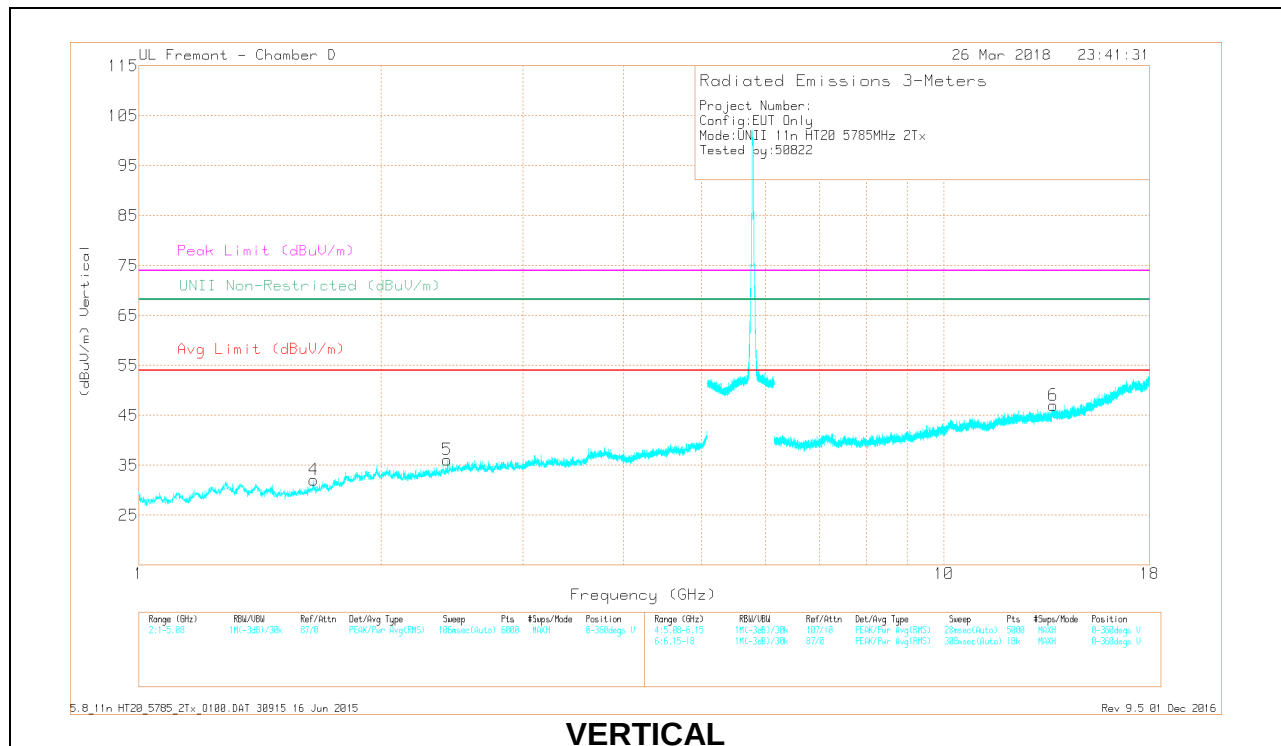
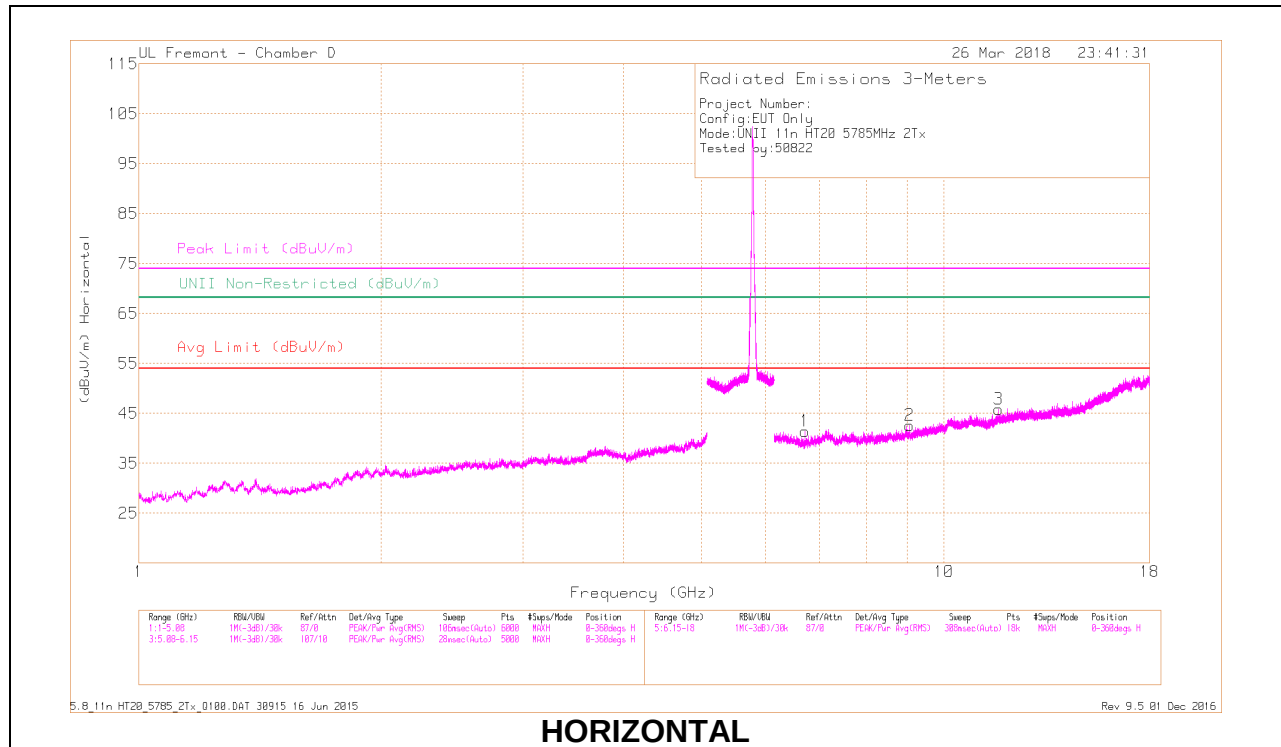
| Markers | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T136 (dBm) | Amp/Cbl/Fitr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m) | Avg Limit<br>(dBuV/m) | Margin<br>(dB) | Peak Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | UNII Non-<br>Restricted<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|---------|------------------------|----------------------------|------|---------------|--------------------------|--------------------------------------|-----------------------|----------------|------------------------|----------------------|-------------------------------------|----------------------|-------------------|----------------|----------|
| 1       | * 1.235                | 41.57                      | PK-U | 28.8          | -32                      | 38.37                                | -                     | -              | 74                     | -35.63               | -                                   | -                    | 19                | 110            | H        |
|         | * 1.237                | 29.41                      | ADR  | 28.9          | -32                      | 26.31                                | 54                    | -27.69         | -                      | -                    | -                                   | -                    | 19                | 110            | H        |
| 5       | * 4.863                | 36.85                      | PK-U | 34.4          | -25.1                    | 46.15                                | -                     | -              | 74                     | -27.85               | -                                   | -                    | 237               | 197            | V        |
|         | * 4.863                | 25.17                      | ADR  | 34.4          | -25.1                    | 34.47                                | 54                    | -19.53         | -                      | -                    | -                                   | -                    | 237               | 197            | V        |
| 3       | * 9.407                | 35.12                      | PK-U | 36.6          | -21.6                    | 50.12                                | -                     | -              | 74                     | -23.88               | -                                   | -                    | 126               | 102            | H        |
|         | * 9.408                | 22.47                      | ADR  | 36.6          | -21.7                    | 37.37                                | 54                    | -16.63         | -                      | -                    | -                                   | -                    | 126               | 102            | H        |
| 6       | * 7.294                | 37.08                      | PK-U | 36.1          | -24.9                    | 46.28                                | -                     | -              | 74                     | -25.72               | -                                   | -                    | 158               | 153            | V        |
|         | * 7.294                | 24.9                       | ADR  | 36.1          | -24.9                    | 36.1                                 | 54                    | -17.9          | -                      | -                    | -                                   | -                    | 158               | 153            | V        |
| 4       | 2.137                  | 40.88                      | PK-U | 31            | -30.4                    | 41.48                                | -                     | -              | -                      | -                    | 68.2                                | -26.72               | 32                | 102            | V        |
| 2       | 2.915                  | 39.48                      | PK-U | 32.6          | -29.1                    | 42.98                                | -                     | -              | -                      | -                    | 68.2                                | -25.22               | 224               | 116            | H        |

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

## MID CHANNEL RESULTS



## RADIATED EMISSIONS

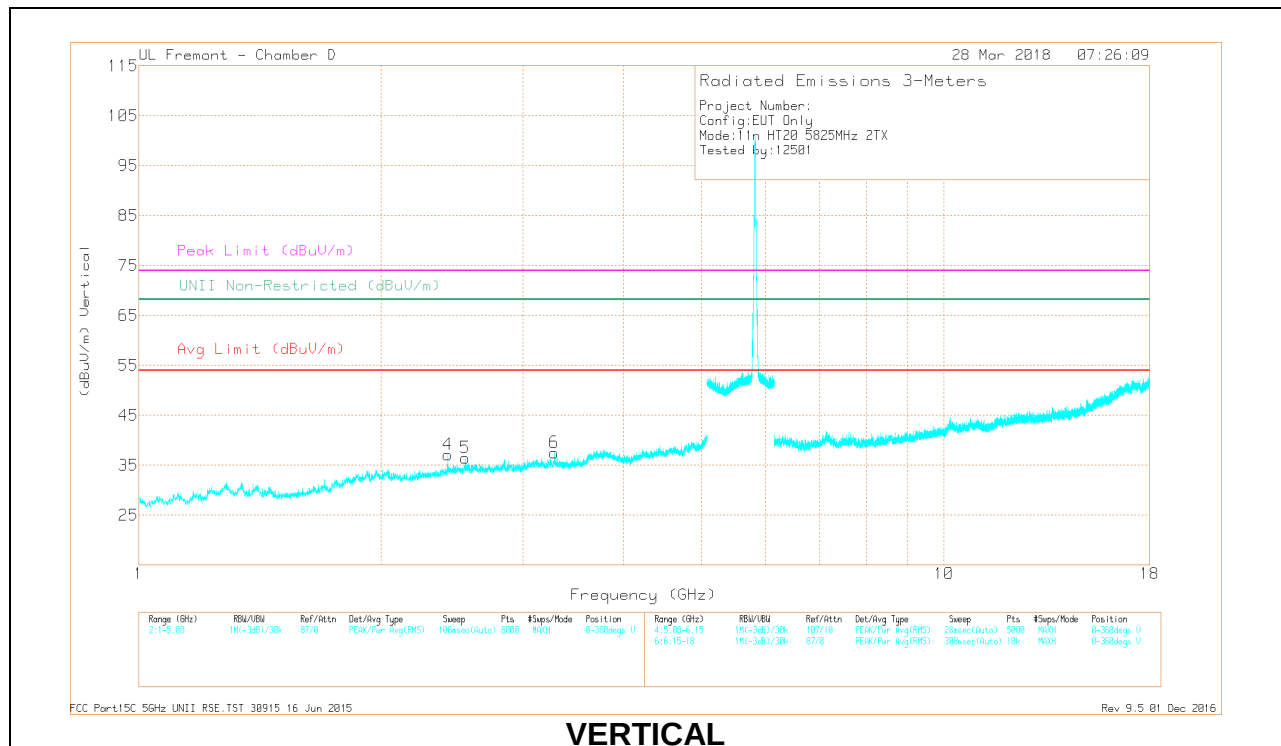
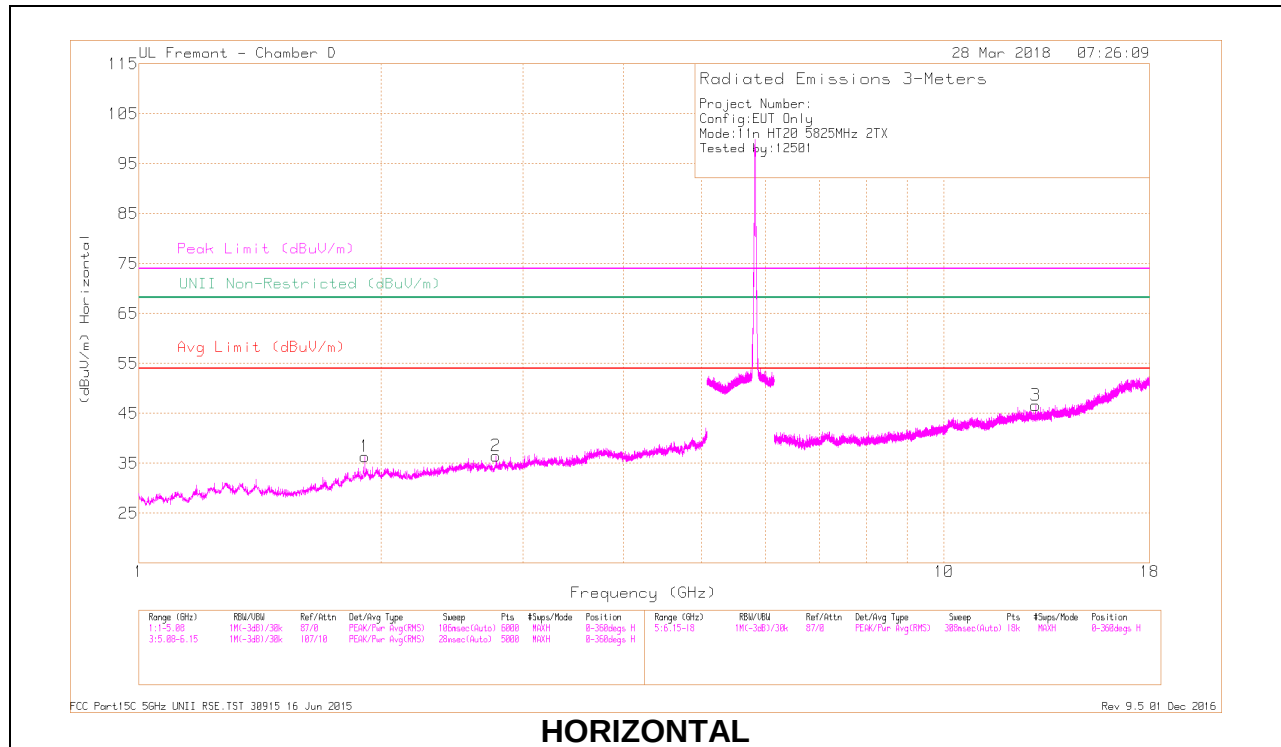
| Markers | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T136 (dBm) | Amp/Cbl/Filt/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Unfil Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---------|-----------------|----------------------|------|---------------|-----------------------|----------------------------|--------------------|-------------|---------------------|----------------|-------------------------------|----------------|----------------|-------------|----------|
| 2       | * 1.646         | 41.36                | PK-U | 28.8          | -31.1                 | 39.06                      | -                  | -           | 74                  | -34.94         | -                             | -              | 220            | 108         | V        |
|         | * 1.646         | 29.02                | ADR  | 28.8          | -31.1                 | 26.72                      | 54                 | -27.28      | -                   | -              | -                             | -              | 220            | 108         | V        |
| 3       | * 9.055         | 34.91                | PK-U | 36.2          | -22                   | 49.11                      | -                  | -           | 74                  | -24.89         | -                             | -              | 223            | 109         | H        |
|         | * 9.054         | 22.84                | ADR  | 36.2          | -22                   | 37.04                      | 54                 | -16.96      | -                   | -              | -                             | -              | 223            | 109         | H        |
| 4       | * 11.682        | 34.1                 | PK-U | 38.4          | -20.1                 | 52.4                       | -                  | -           | 74                  | -21.6          | -                             | -              | 80             | 368         | H        |
|         | * 11.684        | 21.95                | ADR  | 38.4          | -20.1                 | 40.25                      | 54                 | -13.75      | -                   | -              | -                             | -              | 80             | 368         | H        |
| 5       | 2.418           | 41.27                | PK-U | 32.1          | -30.3                 | 43.07                      | -                  | -           | -                   | -              | 68.2                          | -25.13         | 58             | 339         | V        |
| 1       | 6.72            | 36.89                | PK-U | 36.1          | -25.8                 | 47.19                      | -                  | -           | -                   | -              | 68.2                          | -21.01         | 317            | 337         | H        |
| 6       | 13.66           | 35.68                | PK-U | 39            | -21.6                 | 53.08                      | -                  | -           | -                   | -              | 68.2                          | -15.12         | 49             | 108         | V        |

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

## HIGH CHANNEL RESULTS



## RADIATED EMISSIONS

| Markers | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T136 (dB/m) | Amp/Cbl/Ftr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m) | Avg Limit<br>(dBuV/m) | Margin<br>(dB) | Peak Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | UNII Non-<br>Restricted<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|---------|------------------------|----------------------------|------|----------------|-------------------------|--------------------------------------|-----------------------|----------------|------------------------|----------------------|-------------------------------------|----------------------|-------------------|----------------|----------|
| 2       | * 2.779                | 39.74                      | PK-U | 32.6           | -29.7                   | 42.64                                | -                     | -              | 74                     | -31.36               | -                                   | -                    | 118               | 334            | H        |
|         | * 2.777                | 27.72                      | ADR  | 32.6           | -29.6                   | 30.72                                | 54                    | -23.28         | -                      | -                    | -                                   | -                    | 118               | 334            | H        |
| 1       | 1.911                  | 41.01                      | PK-U | 31.5           | -31                     | 41.51                                | -                     | -              | -                      | -                    | 68.2                                | -26.69               | 301               | 290            | H        |
| 4       | 2.418                  | 39.75                      | PK-U | 32.1           | -30.3                   | 41.55                                | -                     | -              | -                      | -                    | 68.2                                | -26.65               | 66                | 293            | V        |
| 5       | 2.546                  | 39.96                      | PK-U | 32.4           | -29.4                   | 42.96                                | -                     | -              | -                      | -                    | 68.2                                | -25.24               | 166               | 145            | V        |
| 6       | 3.279                  | 39.71                      | PK-U | 33.3           | -28.9                   | 44.11                                | -                     | -              | -                      | -                    | 68.2                                | -24.09               | 343               | 332            | V        |
| 3       | 12.992                 | 34.4                       | PK-U | 39.2           | -20.9                   | 52.7                                 | -                     | -              | -                      | -                    | 68.2                                | -15.5                | 247               | 120            | H        |

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

PK-U - U-NII: Maximum Peak

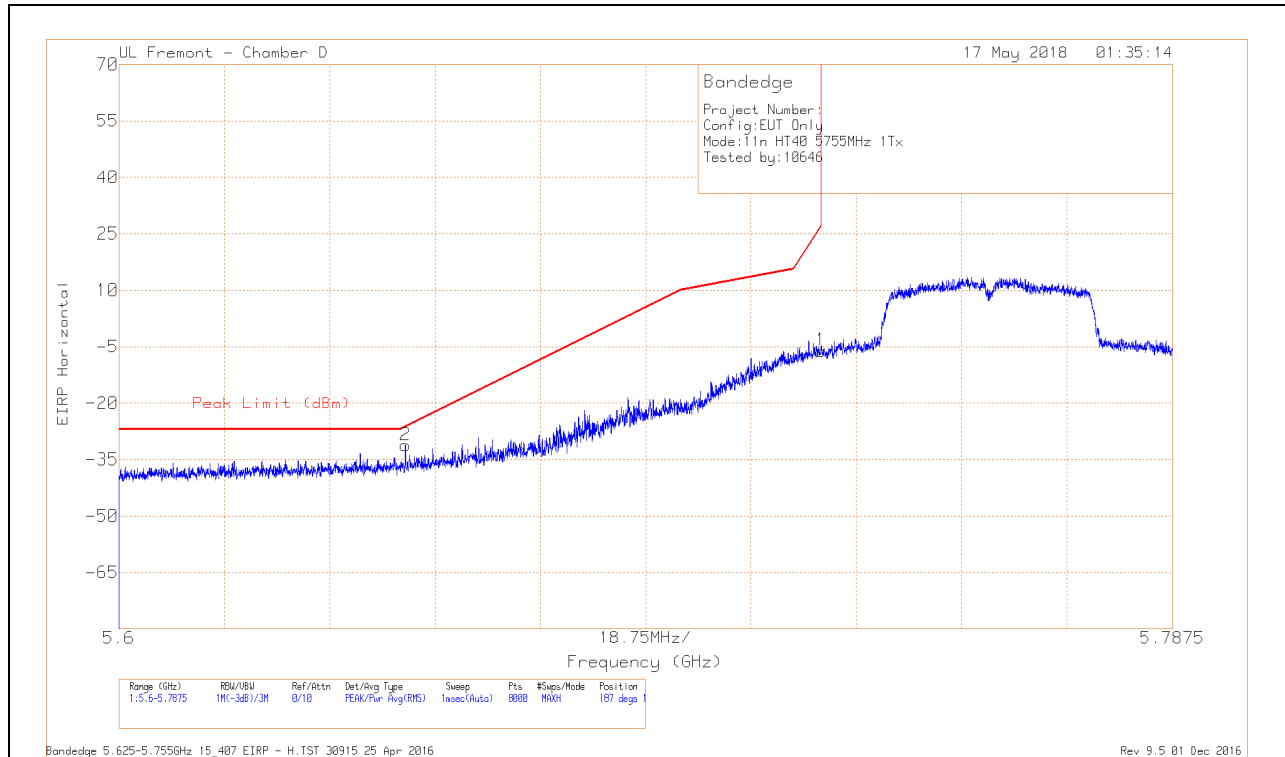
ADR - U-NII AD primary method, RMS average

## 9.1.10. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.8 GHz BAND

### 1TX Antenna 6 MODE

### BANDEGE (LOW CHANNEL)

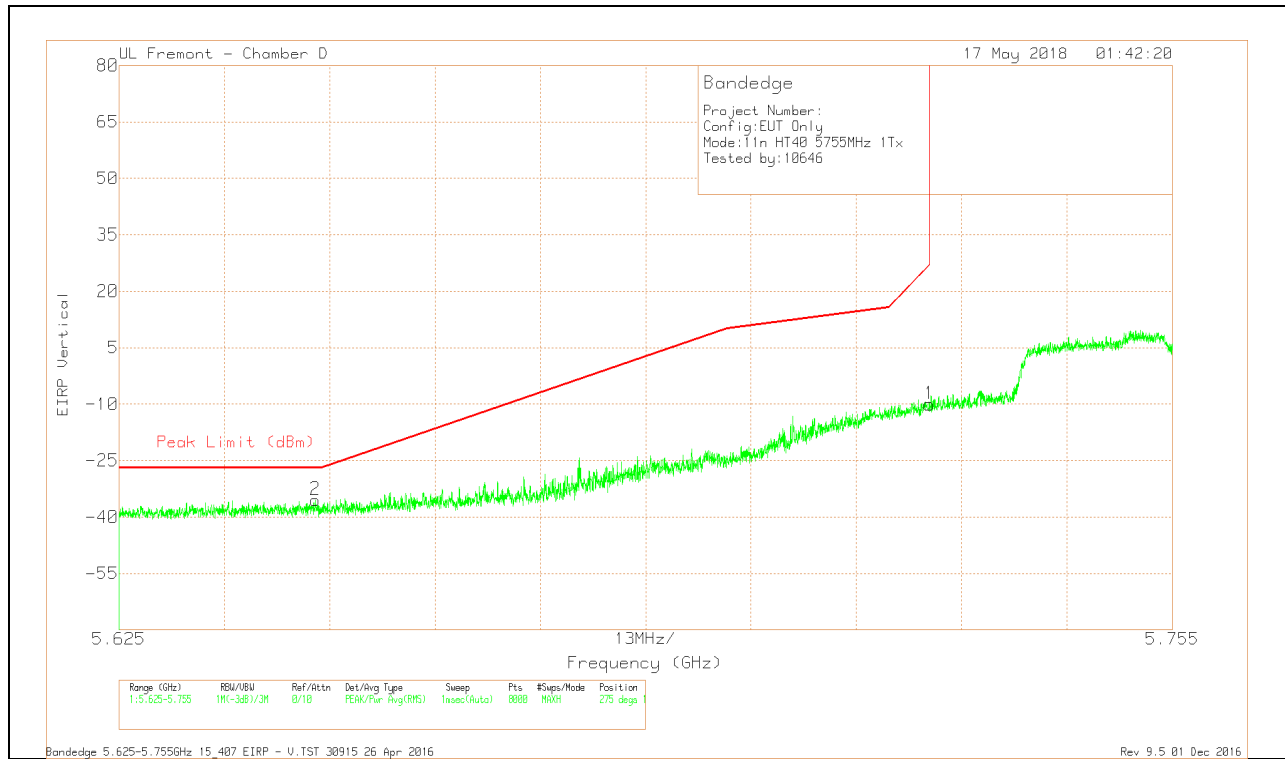
### HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Amp/Cbll/Filtr/P ad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|--------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 2      | 5.651           | -61.24              | Pk  | 35.3           | -17.1                    | 11.8                   | -31.24                 | -26.27           | -4.97          | 187            | 181         | H        |
| 1      | 5.725           | -36.38              | Pk  | 35.6           | -17.1                    | 11.8                   | -6.08                  | 26.96            | -33.04         | 187            | 181         | H        |

Pk - Peak detector

## VERTICAL RESULT

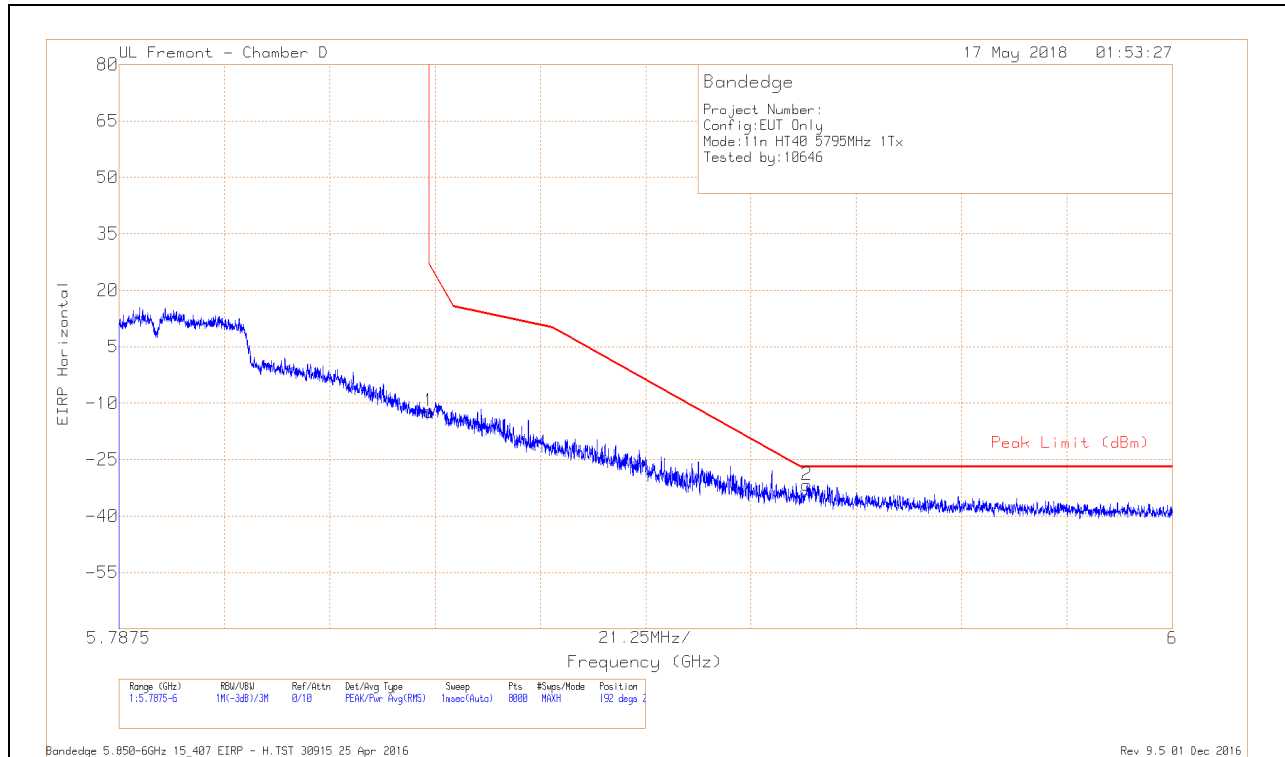


| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Amp/Cbl/Fitr/P ad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 2      | 5.649           | -65.46              | Pk  | 35.3           | -17.1                  | 11.8                   | -35.46                 | -27              | -8.46          | 275            | 136         | V        |
| 1      | 5.725           | -40.32              | Pk  | 35.6           | -17.1                  | 11.8                   | -10.02                 | 27               | -37.02         | 275            | 136         | V        |

Pk - Peak detector

# **BANDEGE (HIGH CHANNEL)**

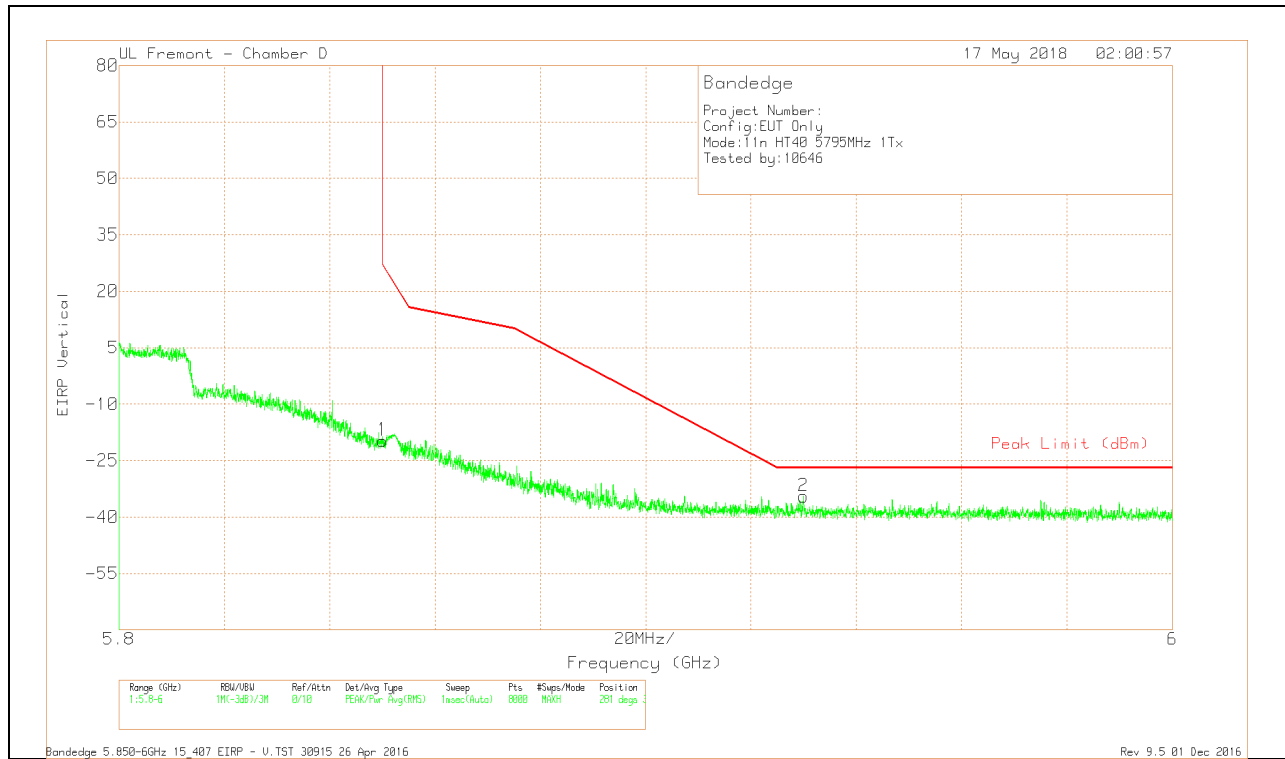
## **HORIZONTAL RESULT**



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -42.79              | Pk  | 35.8           | -17                    | 11.8                   | -12.19                 | 26.98            | -39.17         | 192            | 216         | H        |
| 2      | 5.926           | -62.31              | Pk  | 35.8           | -17                    | 11.8                   | -31.71                 | -27              | -4.71          | 192            | 216         | H        |

Pk - Peak detector

## VERTICAL RESULT



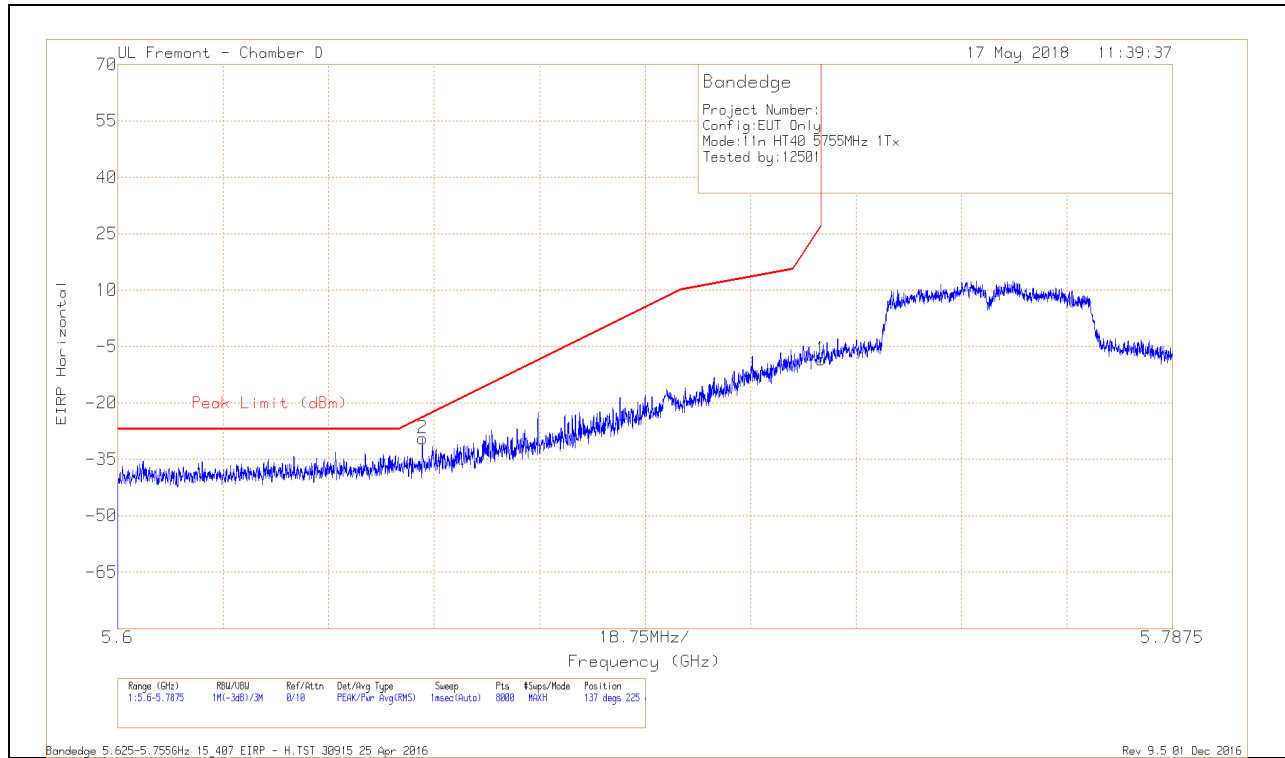
| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -50.28              | Pk  | 35.8           | -17                    | 11.8                   | -19.68                 | 26.99            | -46.67         | 281            | 326         | V        |
| 2      | 5.93            | -65.18              | Pk  | 35.8           | -16.9                  | 11.8                   | -34.48                 | -27              | -7.48          | 281            | 326         | V        |

Pk - Peak detector

**1TX Antenna 5 MODE**

**BANDEDGE (LOW CHANNEL)**

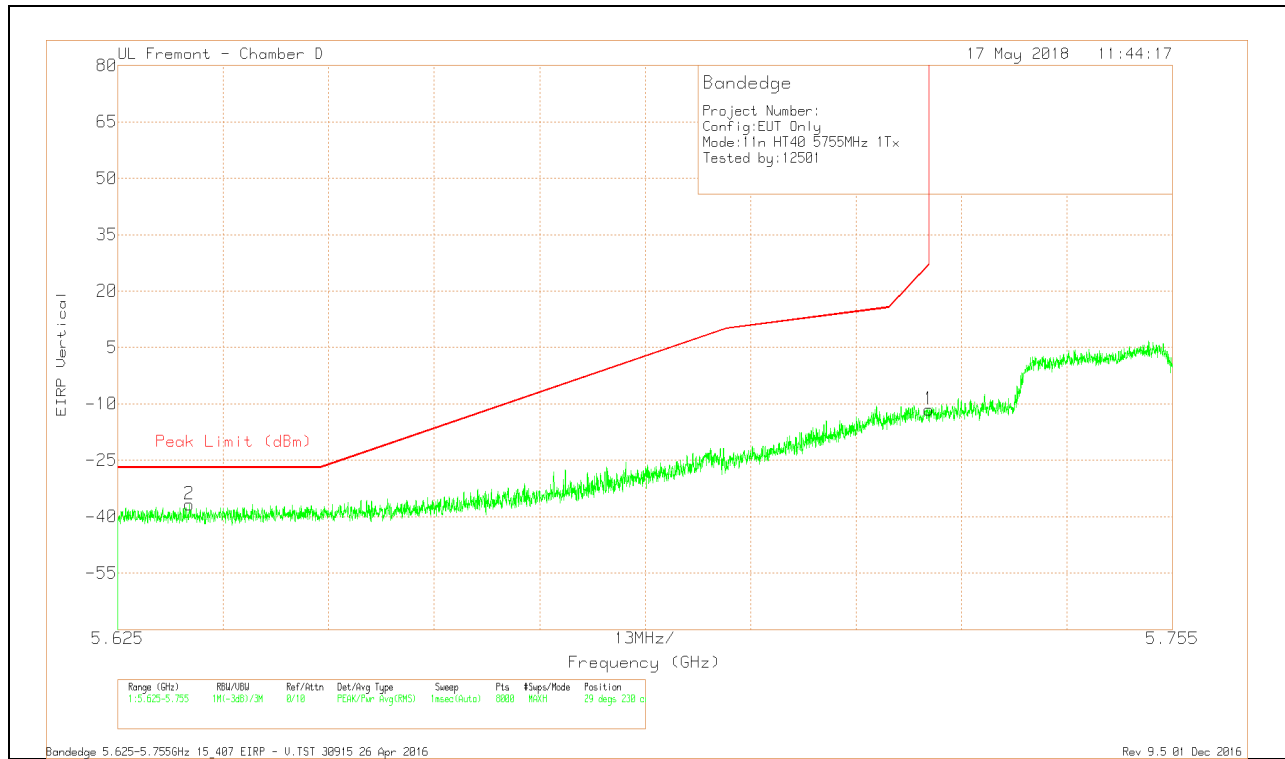
**HORIZONTAL RESULT**



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Amp/Cbl/Ftrl Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|-----------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 2      | 5.654           | -59.41              | Pk  | 35.3           | -17.1                 | 11.8                   | -29.41                 | -23.91           | -5.5           | 137            | 225         | H        |
| 1      | 5.725           | -38.72              | Pk  | 35.6           | -17.1                 | 11.8                   | -8.42                  | 26.96            | -35.38         | 137            | 225         | H        |

Pk - Peak detector

## VERTICAL RESULT

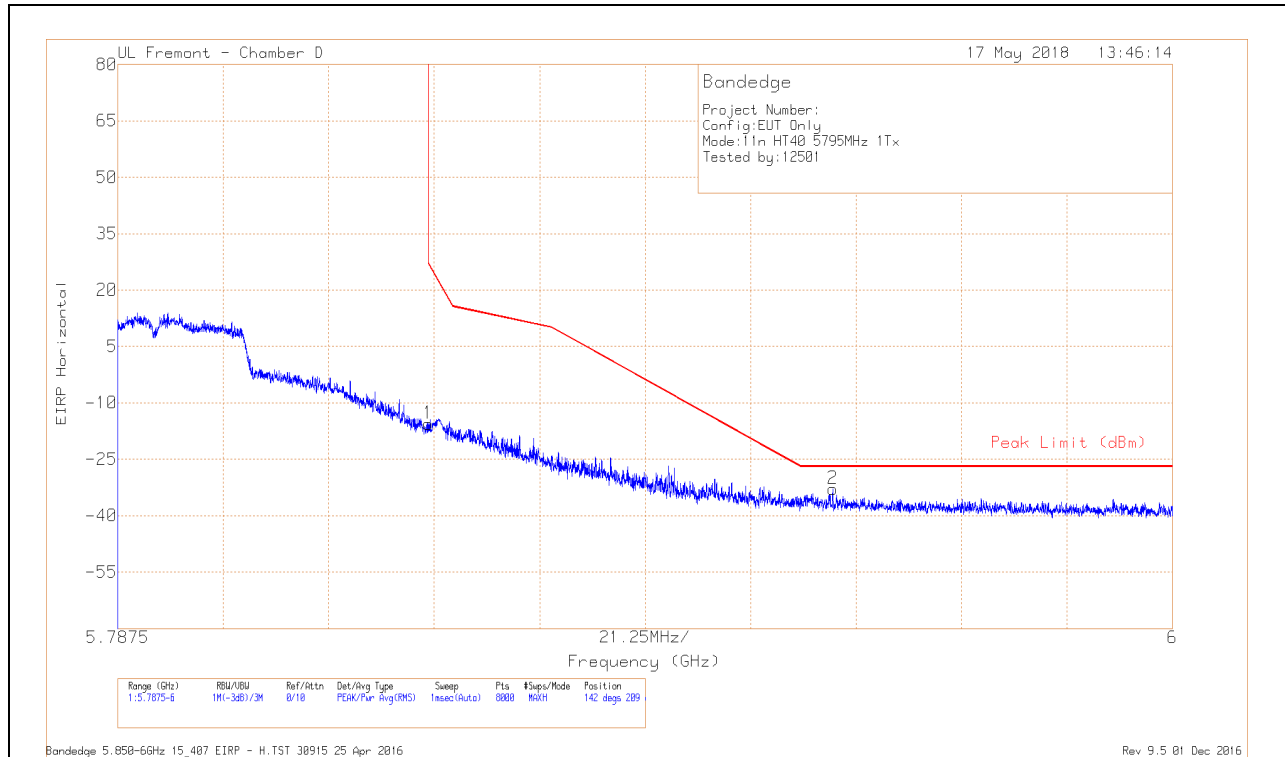


| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dBm) | Amp/Cbl/Filtr Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|---------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 2      | 5.634           | -66.68              | Pk  | 35.3          | -17.1                  | 11.8                   | -36.68                 | -27              | -9.68          | 29             | 230         | V        |
| 1      | 5.725           | -41.86              | Pk  | 35.6          | -17.1                  | 11.8                   | -11.56                 | 27               | -38.56         | 29             | 230         | V        |

Pk - Peak detector

# **BANDEGE (HIGH CHANNEL)**

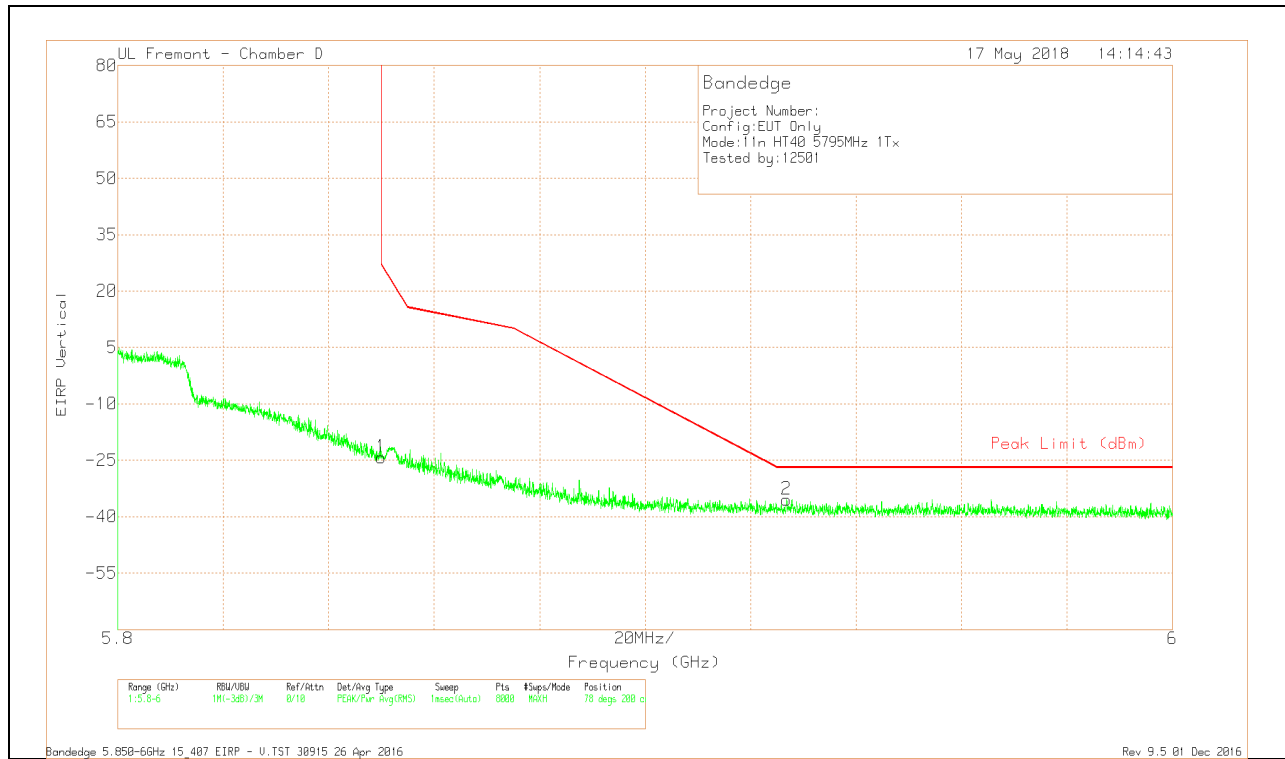
## **HORIZONTAL RESULT**



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Amp/Cbl/Filtr/ Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|-------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -46.1               | PK  | 35.8           | -17                     | 11.8                   | -15.5                  | 26.98            | -42.48         | 142            | 209         | H        |
| 2      | 5.932           | -63.54              | PK  | 35.8           | -16.9                   | 11.8                   | -32.84                 | -27              | -5.84          | 142            | 209         | H        |

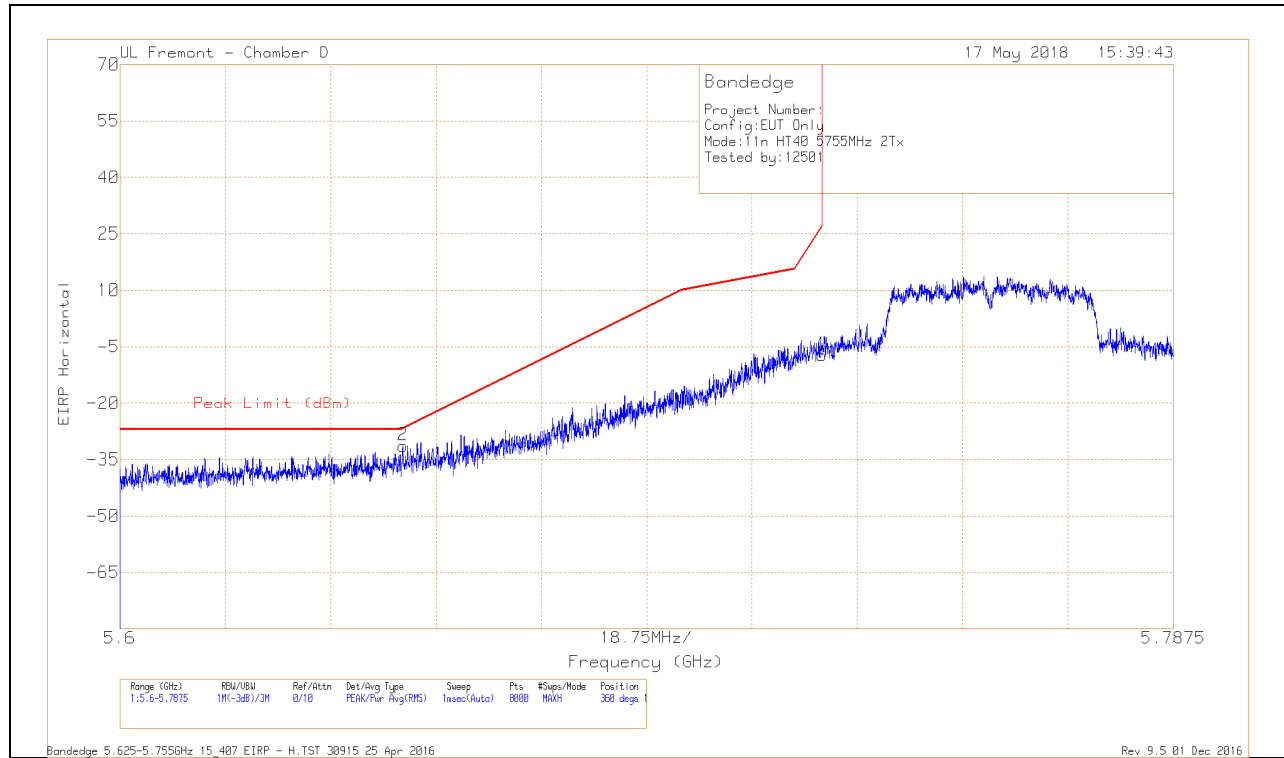
Pk - Peak detector

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Amp/Cbl/Filtr Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -54.82              | Pk  | 35.8           | -17                    | 11.8                   | -24.22                 | 26.99            | -51.21         | 78             | 200         | V        |
| 2      | 5.927           | -66.1               | Pk  | 35.8           | -16.9                  | 11.8                   | -35.4                  | -27              | -8.4           | 78             | 200         | V        |

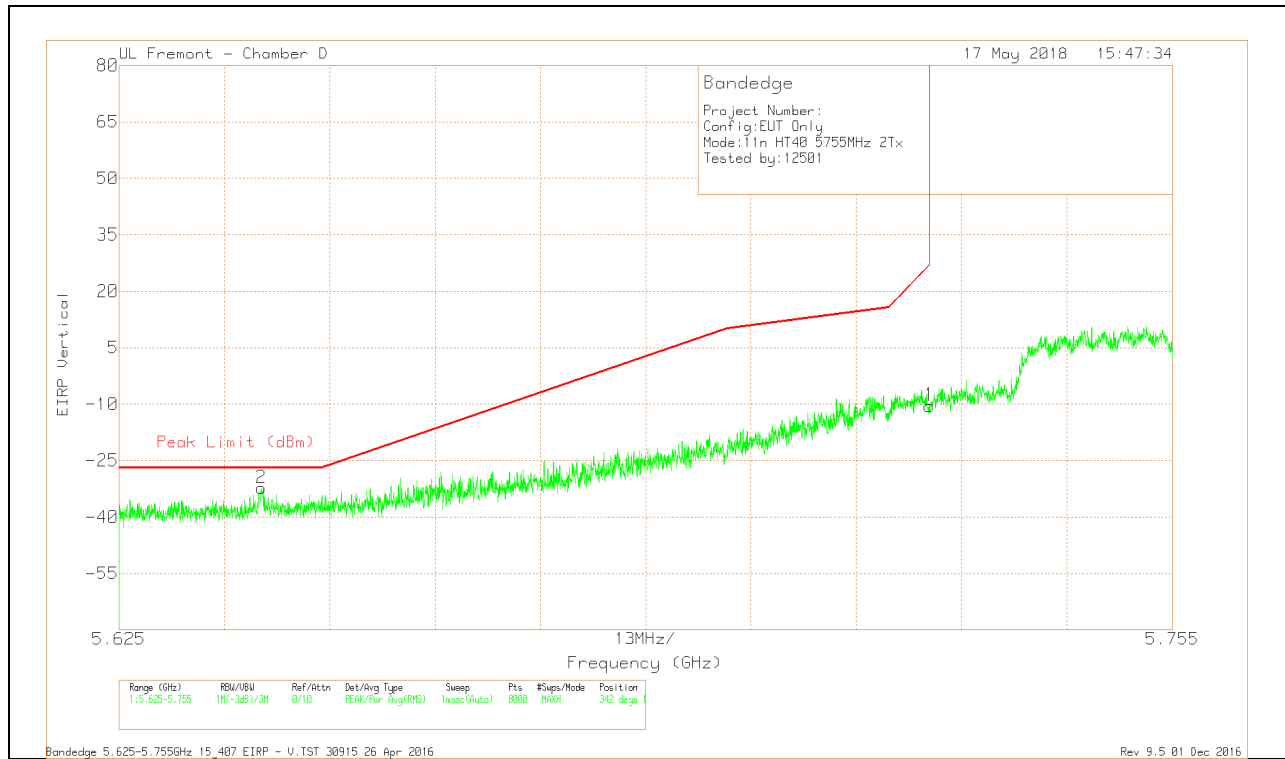
Pk - Peak detector

**2TX Antenna 6 + Antenna 5 CDD MODE****BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Amp/Cbl/Filr/ Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 2      | 5.65            | -61.29              | Pk  | 35.3           | -17.1                  | 11.8                   | -31.29                 | -26.74           | -4.55          | 360            | 101         | H        |
| 1      | 5.725           | -37.51              | Pk  | 35.6           | -17.1                  | 11.8                   | -7.21                  | 26.96            | -34.17         | 360            | 101         | H        |

Pk - Peak detector

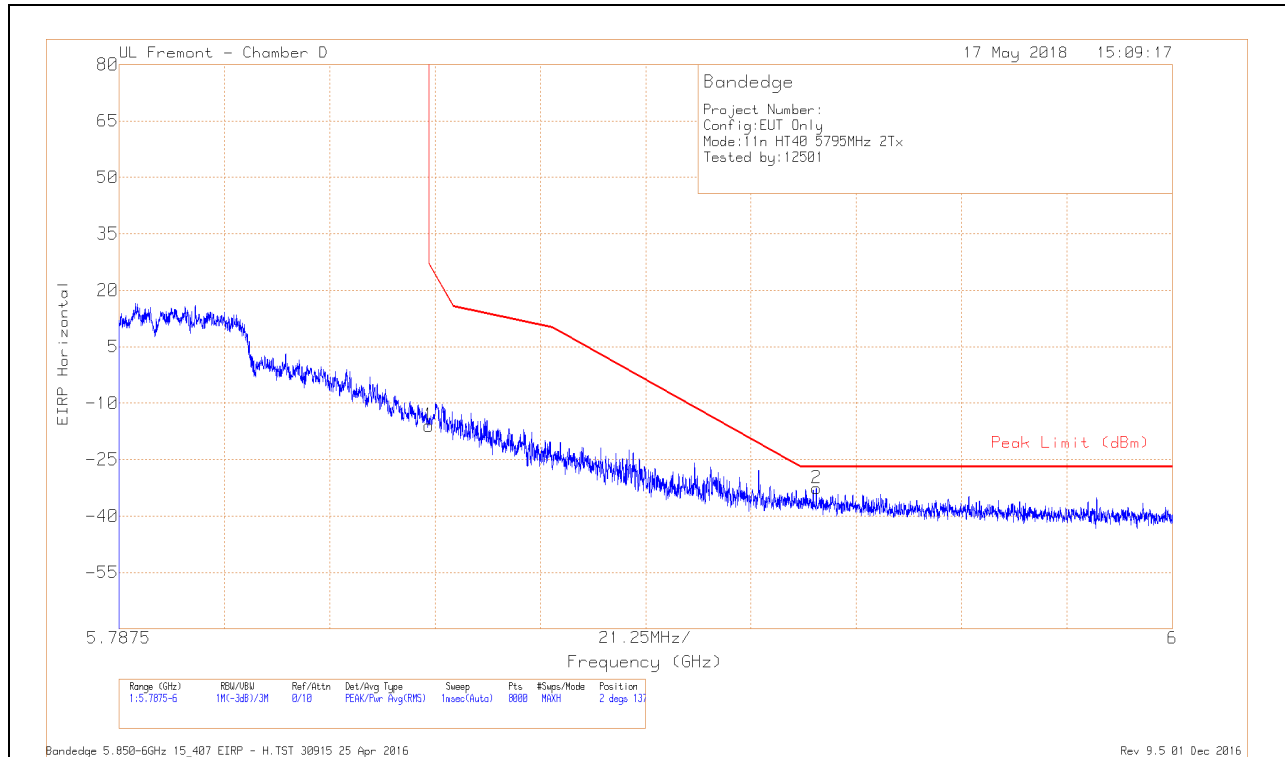
## VERTICAL RESULT



Pk - Peak detector

# **BANDEGE (HIGH CHANNEL)**

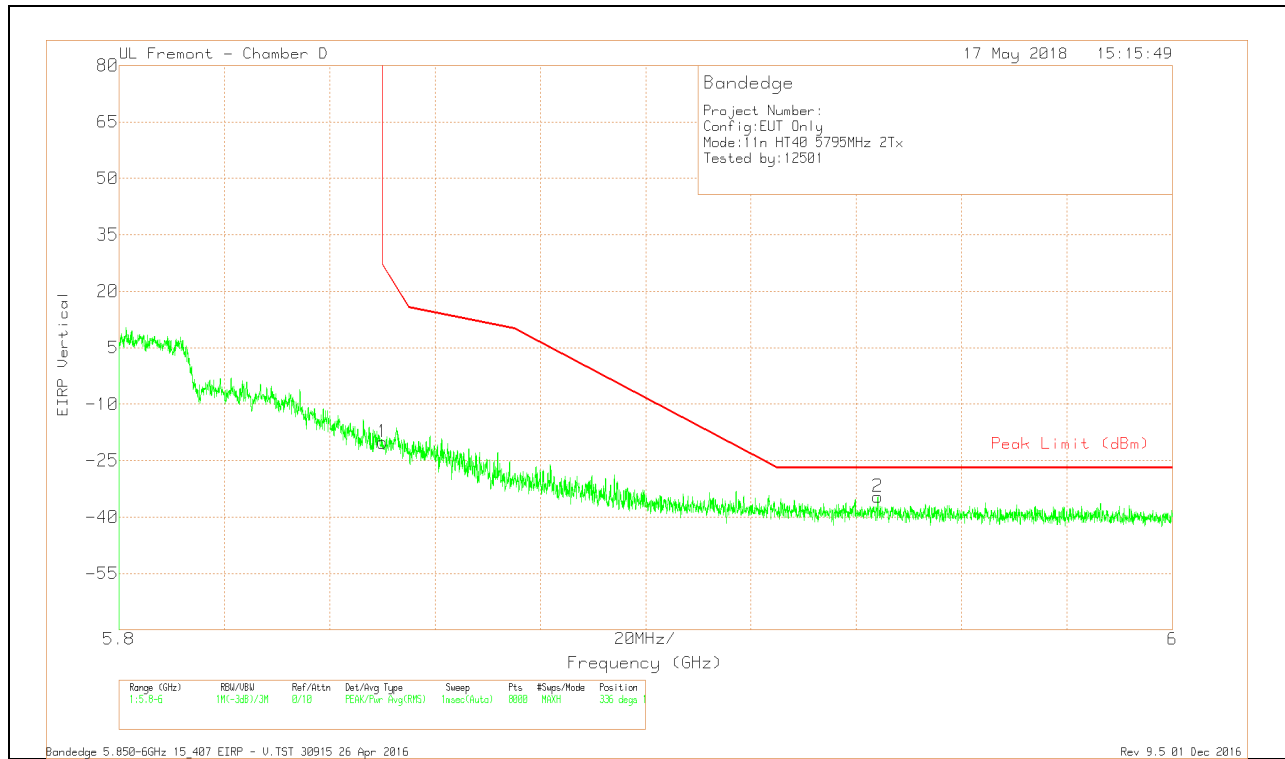
## **HORIZONTAL RESULT**



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Amp/Cbl/Filtr/ Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|-------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -46.6               | Pk  | 35.8           | -17                     | 11.8                   | -16                    | 26.98            | -42.98         | 2              | 137         | H        |
| 2      | 5.928           | -63.3               | Pk  | 35.8           | -16.9                   | 11.8                   | -32.6                  | -27              | -5.6           | 2              | 137         | H        |

Pk - Peak detector

## VERTICAL RESULT

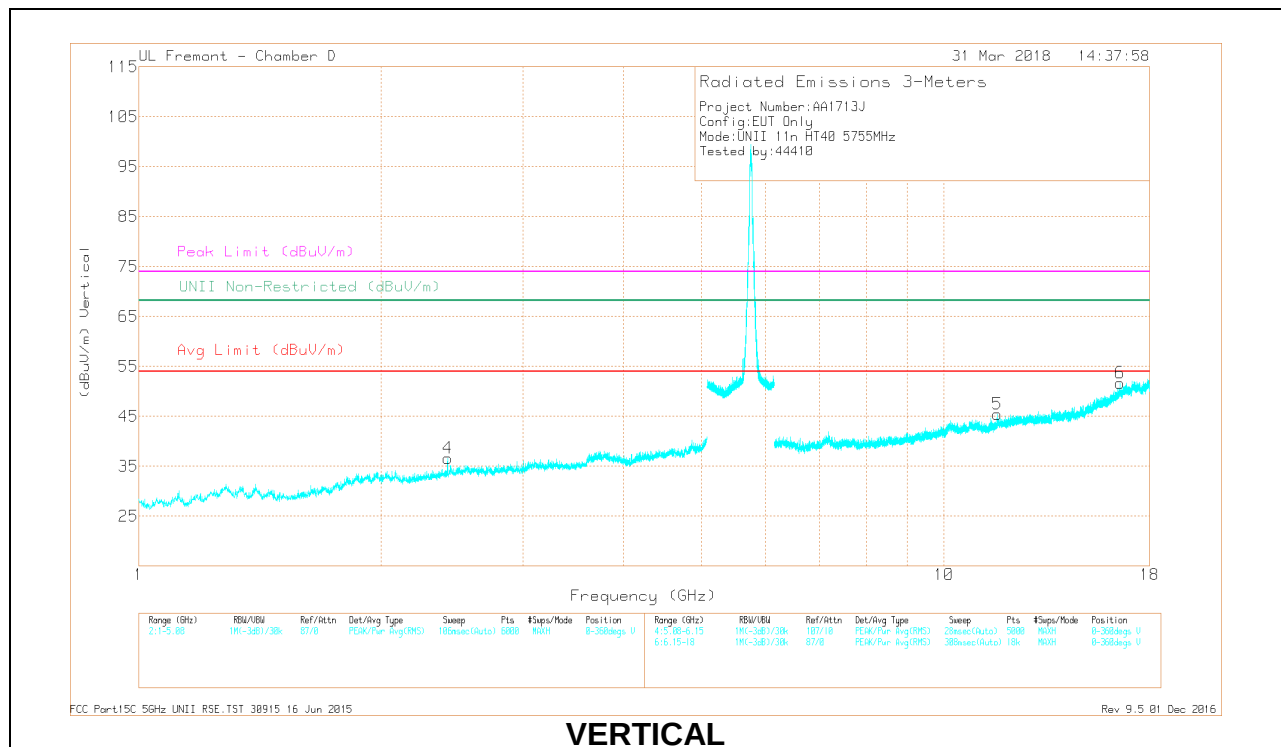
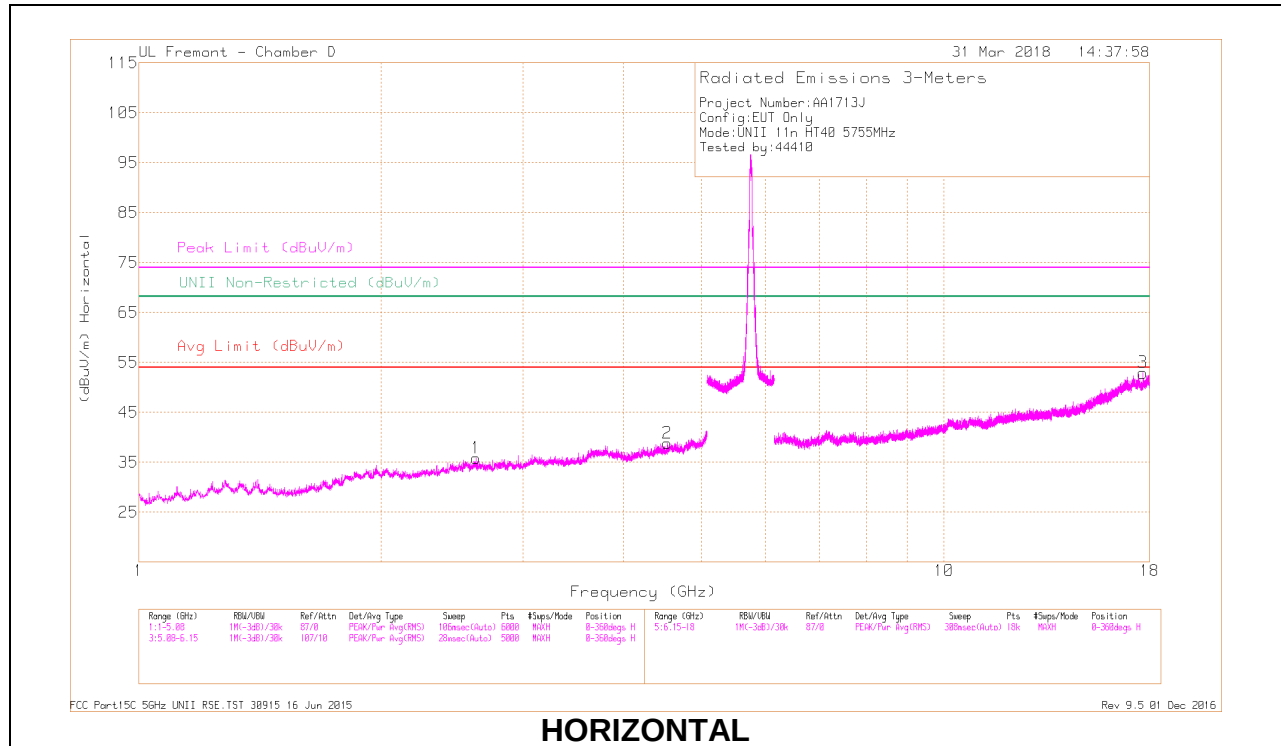


| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T138 (dBm) | Amp/Cbl/Filtr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|---------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -50.76              | Pk  | 35.8          | -17                    | 11.8                   | -20.16                 | 26.99            | -47.15         | 336            | 123         | V        |
| 2      | 5.944           | -65.2               | Pk  | 35.8          | -17                    | 11.8                   | -34.6                  | -27              | -7.6           | 336            | 123         | V        |

Pk - Peak detector

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS

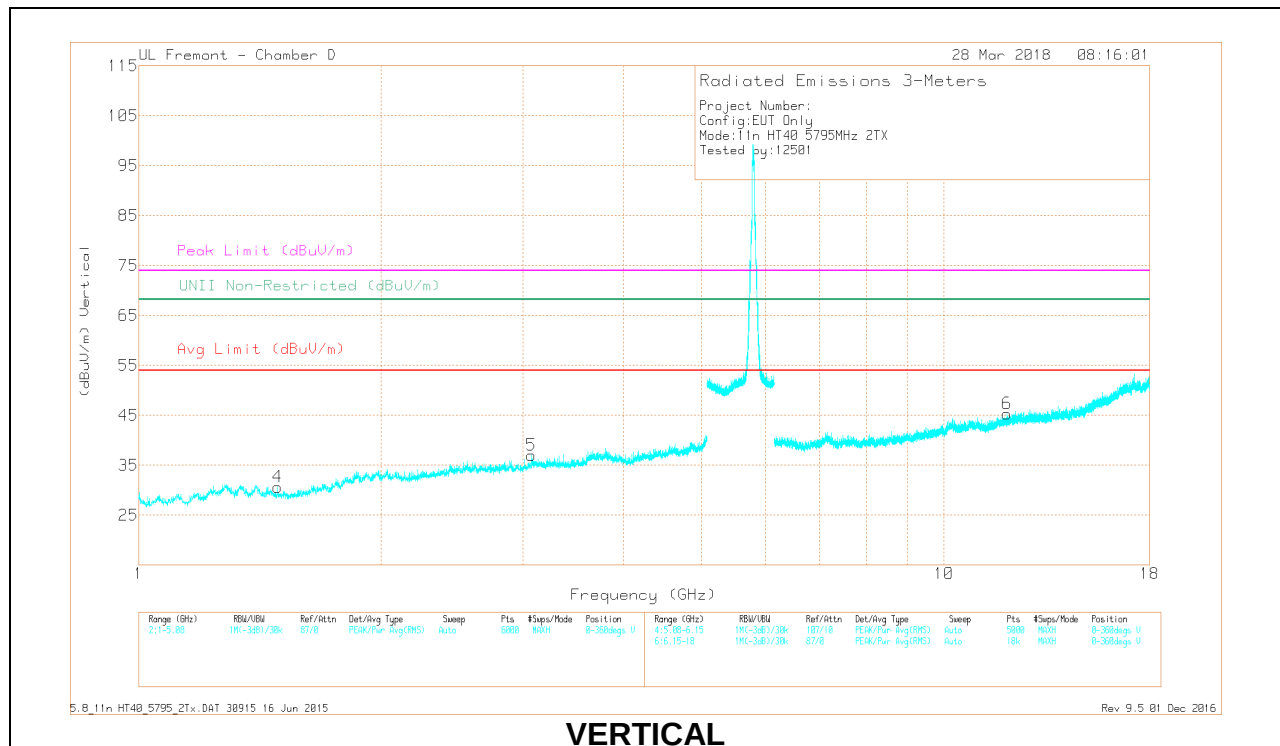
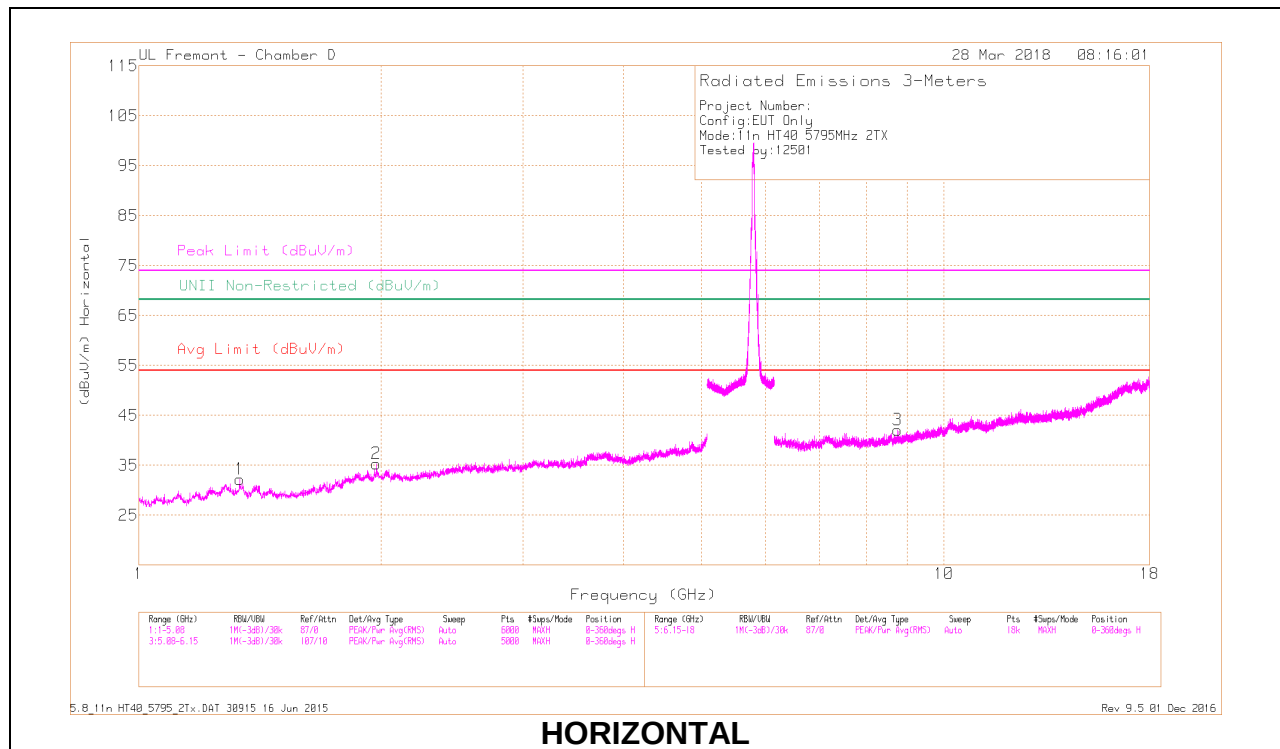


## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T136 (dB/m) | Amp/CdbFtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|---------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 2      | * 4.532         | 38.39                | PK-U | 34.5           | -27.8               | 0            | 45.09                      | -                  | -           | 74                  | -28.91         | -                            | -              | 121            | 135         | H        |
|        | * 4.533         | 26.08                | ADR  | 34.5           | -27.7               | .1           | 32.98                      | 54                 | -21.02      | -                   | -              | -                            | -              | 121            | 135         | H        |
| 5      | * 11.642        | 32.75                | PK-U | 38.3           | -20.4               | 0            | 50.65                      | -                  | -           | 74                  | -23.35         | -                            | -              | 228            | 189         | V        |
|        | * 11.642        | 21.49                | ADR  | 38.3           | -20.4               | .1           | 39.49                      | 54                 | -14.51      | -                   | -              | -                            | -              | 228            | 189         | V        |
| 4      | 2.416           | 39.83                | PK-U | 32.1           | -30.3               | 0            | 41.63                      | -                  | -           | -                   | -              | 68.2                         | -26.57         | 18             | 104         | V        |
| 1      | 2.622           | 40.62                | PK-U | 32.6           | -29.7               | 0            | 43.52                      | -                  | -           | -                   | -              | 68.2                         | -24.68         | 245            | 243         | H        |
| 6      | 16.547          | 33.43                | PK-U | 42             | -17.6               | 0            | 57.83                      | -                  | -           | -                   | -              | 68.2                         | -10.37         | 351            | 305         | V        |
| 3      | 17.666          | 32.82                | PK-U | 41.5           | -16.3               | 0            | 58.02                      | -                  | -           | -                   | -              | 68.2                         | -10.18         | 242            | 400         | H        |

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
PK-U - U-NII: Maximum Peak  
ADR - U-NII AD primary method, RMS average

## HIGH CHANNEL RESULTS



## RADIATED EMISSIONS

| Markers | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T136 (dBm) | Amp/Cable/Filter/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---------|-----------------|----------------------|------|---------------|---------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1       | * 1.336         | 40.77                | PK-U | 29            | -31.1                     | 0            | 38.67                      | -                  | -           | 74                  | -35.33         | -                            | -              | 150            | 381         | H        |
|         | * 1.336         | 29                   | ADR  | 29            | -31.1                     | -1           | 27                         | 54                 | -27         | -                   | -              | -                            | -              | 150            | 381         | H        |
| 4       | * 1.485         | 40.56                | PK-U | 28.2          | -31.4                     | 0            | 37.36                      | -                  | -           | 74                  | -36.64         | -                            | -              | 348            | 238         | V        |
|         | * 1.489         | 28.47                | ADR  | 28.1          | -31.3                     | -1           | 25.37                      | 54                 | -28.63      | -                   | -              | -                            | -              | 348            | 238         | V        |
| 6       | * 11.961        | 33.98                | PK-U | 38.8          | -21.1                     | 0            | 51.68                      | -                  | -           | 74                  | -22.32         | -                            | -              | 310            | 332         | V        |
|         | * 11.963        | 22.1                 | ADR  | 38.8          | -21.1                     | -1           | 39.9                       | 54                 | -14.1       | -                   | -              | -                            | -              | 310            | 332         | V        |
| 2       | 1.972           | 40.83                | PK-U | 31.4          | -30.5                     | 0            | 41.73                      | -                  | -           | -                   | -              | 68.2                         | -26.47         | 350            | 156         | H        |
| 5       | 3.073           | 39.55                | PK-U | 33            | -29.1                     | 0            | 43.45                      | -                  | -           | -                   | -              | 68.2                         | -24.75         | 11             | 227         | V        |
| 3       | 8.748           | 34.33                | PK-U | 36            | -22.2                     | 0            | 48.13                      | -                  | -           | -                   | -              | 68.2                         | -20.07         | 4              | 310         | H        |

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

PK-U - U-NII: Maximum Peak

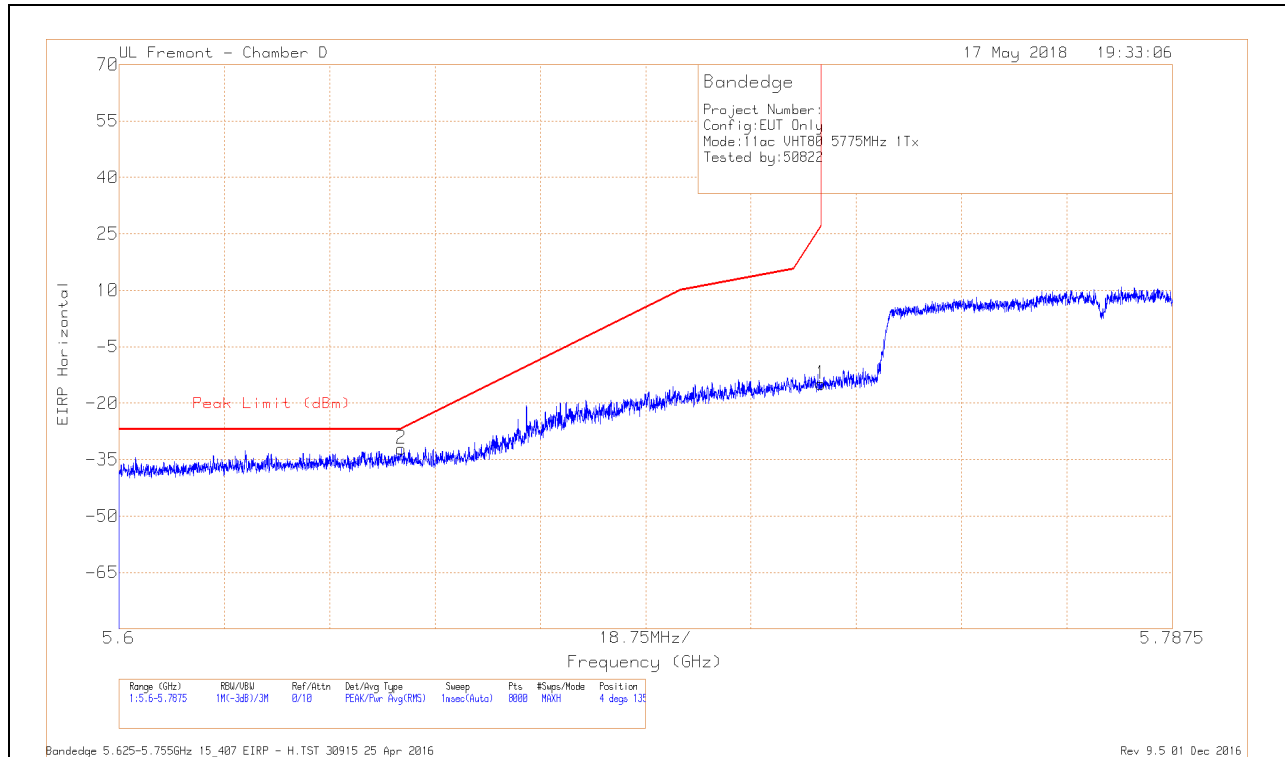
ADR - U-NII AD primary method, RMS average

## 9.1.11. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

### 1TX Antenna 6 MODE

### BANDEDGE (CHANNEL 155 LOW EDGE)

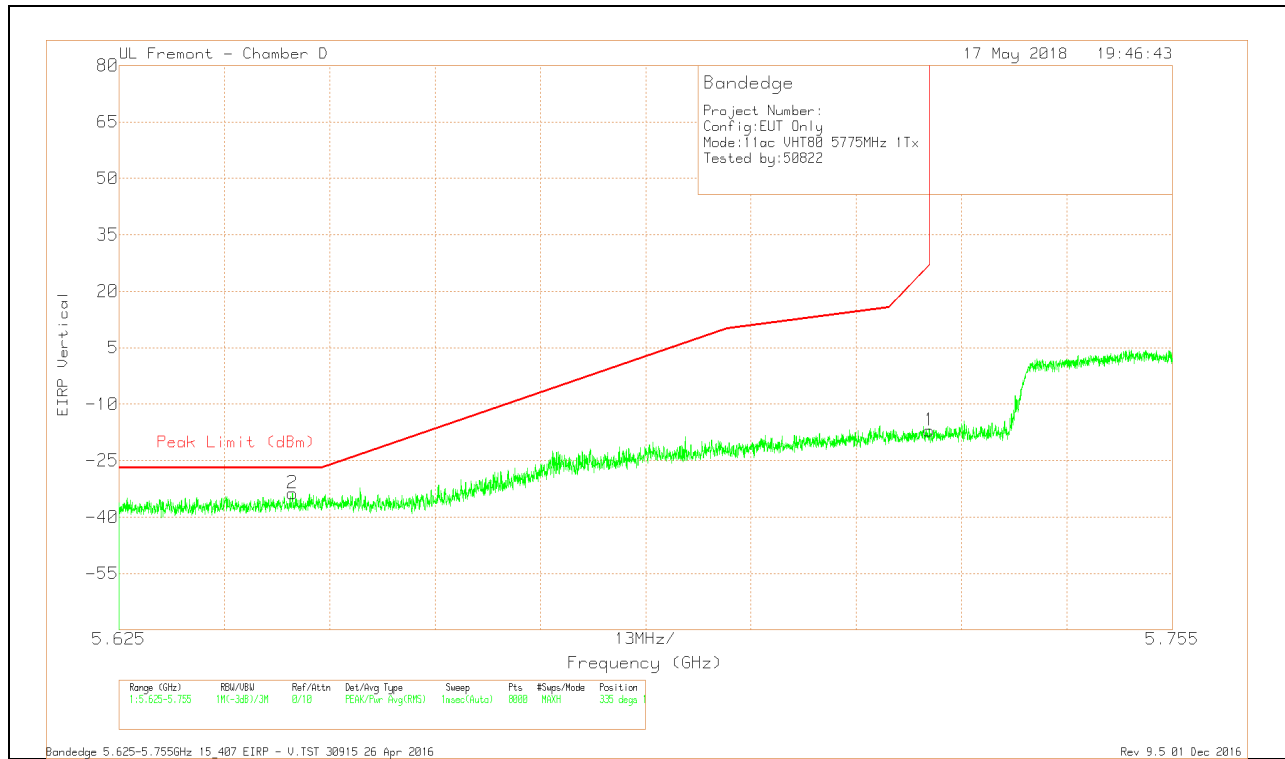
### HORIZONTAL RESULT



| Marker | Frequenc<br>y (GHz) | Meter<br>Reading (dBm) | Det | AF T136<br>(dB/m) | Amp/Cbl/Filtr/<br>Pad (dB) | Conversion<br>Factor (dB) | Correcte<br>d Reading<br>EIRP | Peak Limit<br>(dBm) | PK<br>Margin (dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|---------------------|------------------------|-----|-------------------|----------------------------|---------------------------|-------------------------------|---------------------|-------------------|-------------------|----------------|----------|
| 2      | 5.65                | -62.04                 | Pk  | 35.3              | -17.1                      | 11.8                      | -32.04                        | -26.83              | -5.21             | 4                 | 135            | H        |
| 1      | 5.725               | -45.13                 | Pk  | 35.6              | -17.1                      | 11.8                      | -14.83                        | 26.96               | -41.79            | 4                 | 135            | H        |

Pk - Peak detector

## VERTICAL RESULT

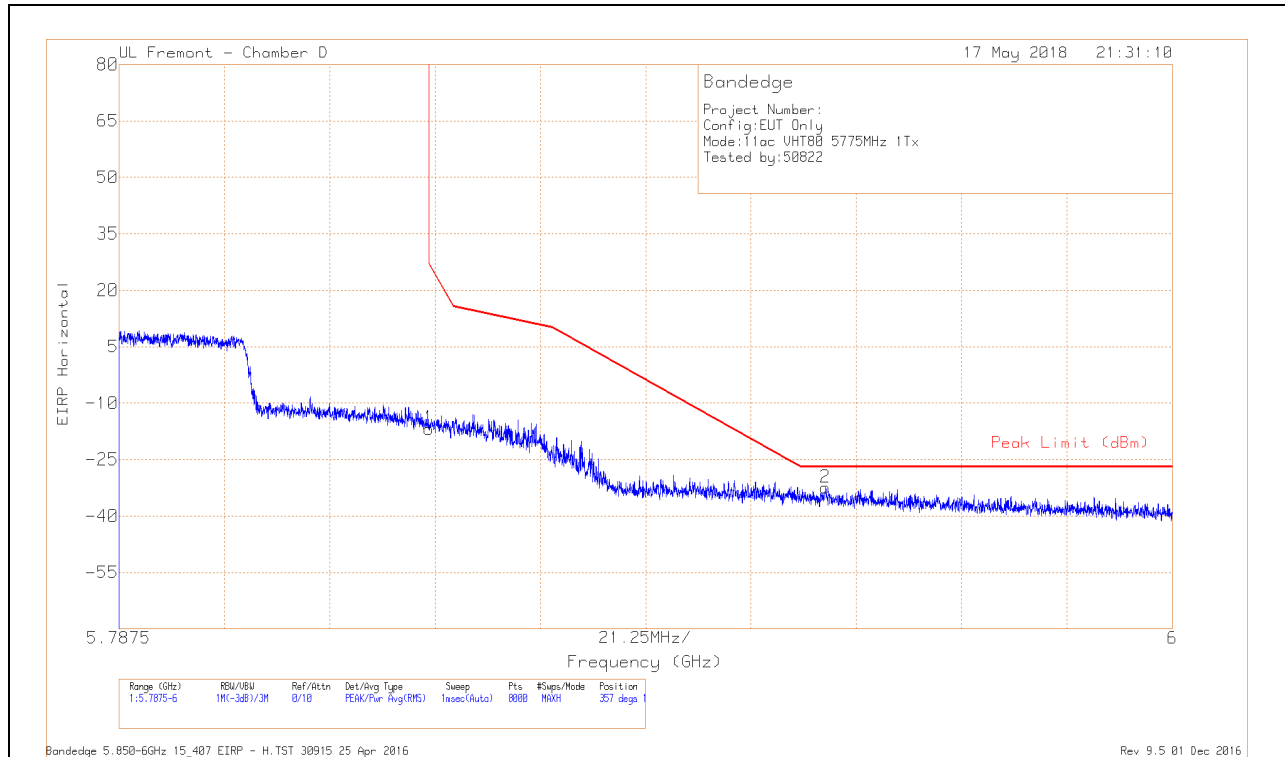


| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Amp/Cbl/Filtr Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 2      | 5.646           | -63.72              | Pk  | 35.3           | -17.1                  | 11.8                   | -33.72                 | -27              | -6.72          | 335            | 101         | V        |
| 1      | 5.725           | -47.34              | Pk  | 35.6           | -17.1                  | 11.8                   | -17.04                 | 27               | -44.04         | 335            | 101         | V        |

Pk - Peak detector

# **BANDEGE (CHANNEL 155 HIGH EDGE)**

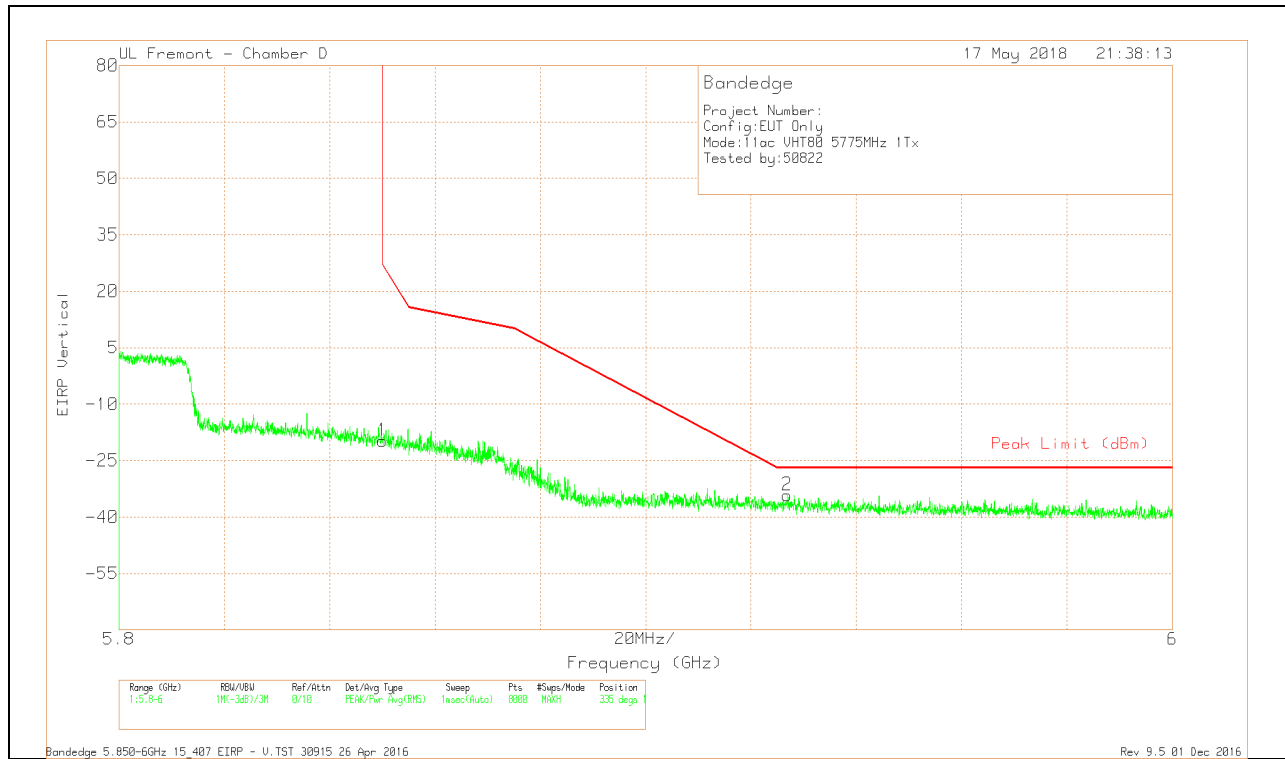
## **HORIZONTAL RESULT**



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Amp/Cbl/Filr/ Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -47.4               | Pk  | 35.8           | -17                    | 11.8                   | -16.8                  | 26.98            | -43.78         | 357            | 130         | H        |
| 2      | 5.93            | -63.12              | Pk  | 35.8           | -16.9                  | 11.8                   | -32.42                 | -27              | -5.42          | 357            | 130         | H        |

Pk - Peak detector

## VERTICAL RESULT



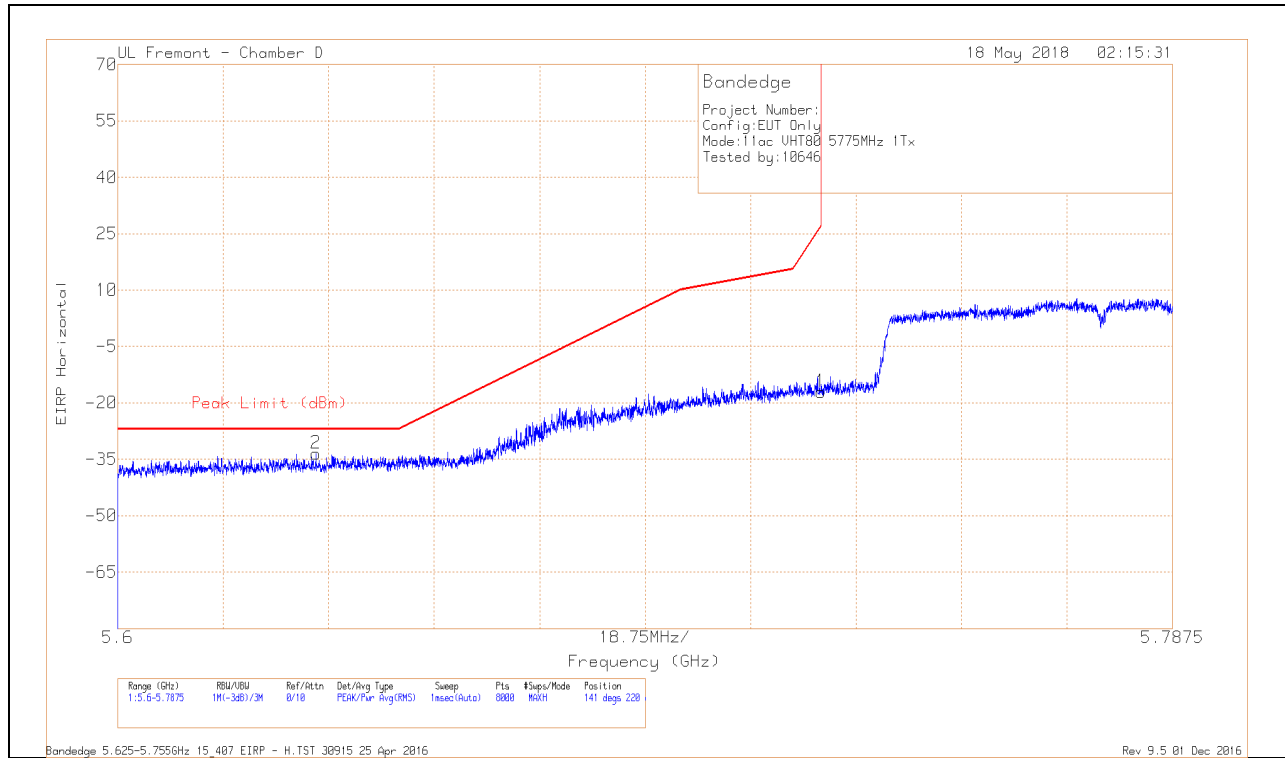
| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dBm) | Amp/Cbl/Filtrl Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|---------------|-------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -50.34              | Pk  | 35.8          | -17                     | 11.8                   | -19.74                 | 26.99            | -46.73         | 335            | 122         | V        |
| 2      | 5.927           | -64.91              | Pk  | 35.8          | -16.9                   | 11.8                   | -34.21                 | -27              | -7.21          | 335            | 122         | V        |

Pk - Peak detector

**1TX Antenna 5 MODE**

**BANDEDGE (CHANNEL 155 LOW EDGE)**

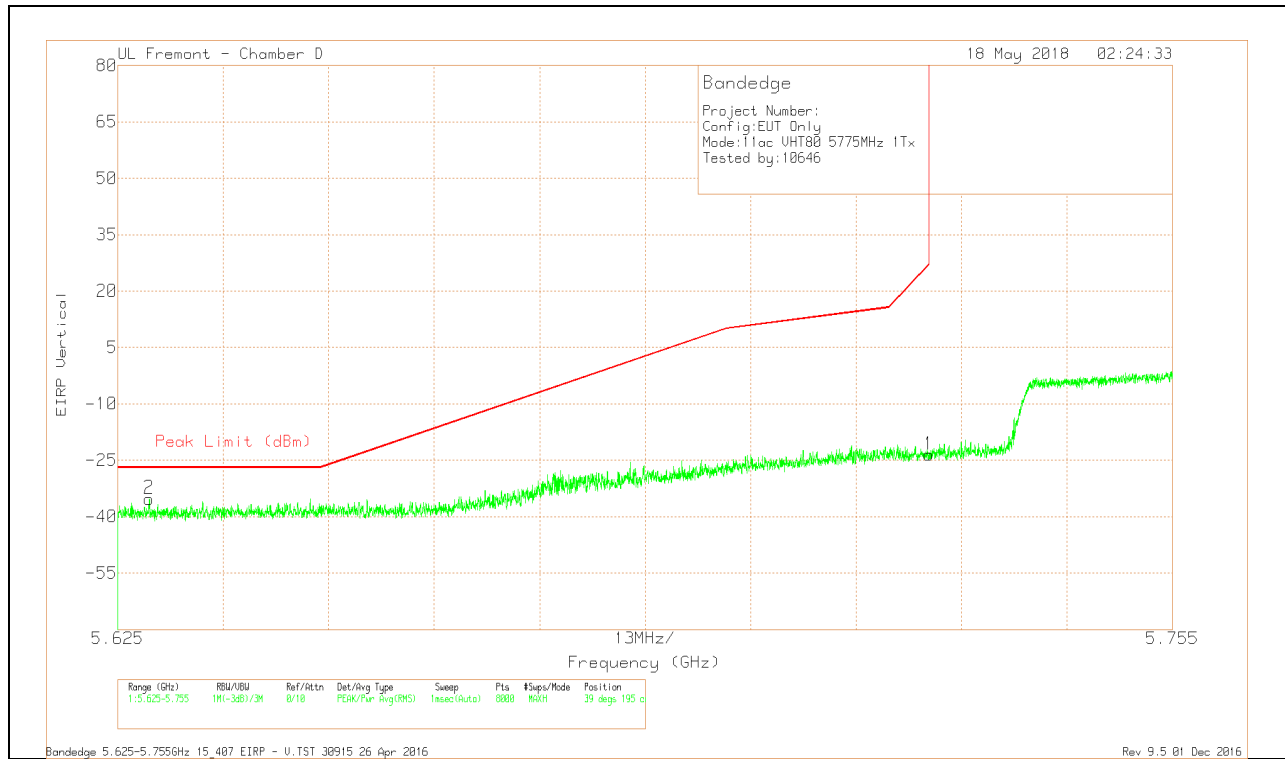
**HORIZONTAL RESULT**



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dBm) | Amp/Cbl/Filr/ Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|---------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 2      | 5.635           | -63.54              | Pk  | 35.3          | -17.1                  | 11.8                   | -33.54                 | -27              | -6.54          | 141            | 220         | H        |
| 1      | 5.725           | -47.45              | Pk  | 35.6          | -17.1                  | 11.8                   | -17.15                 | 26.96            | -44.11         | 141            | 220         | H        |

Pk - Peak detector

## VERTICAL RESULT

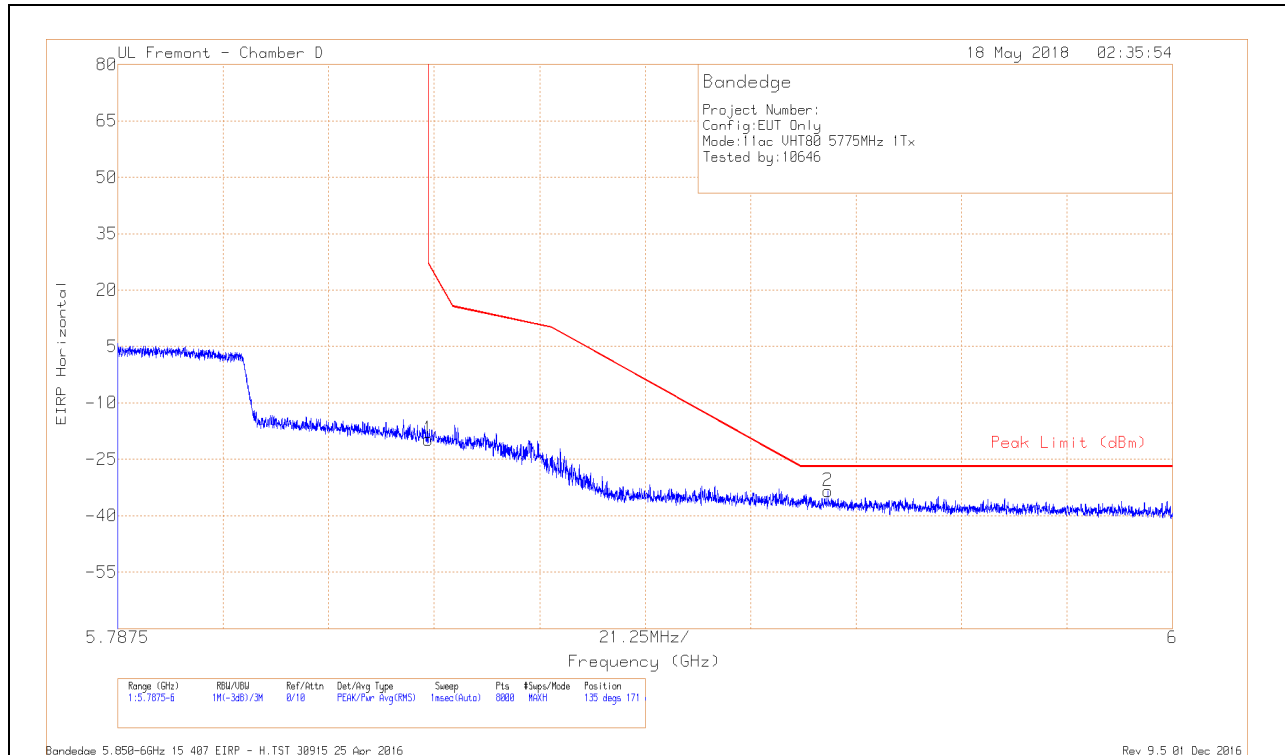


| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 2      | 5.629           | -65.08              | Pk  | 35.3           | -17.2                  | 11.8                   | -35.18                 | -27              | -8.18          | 39             | 195         | V        |
| 1      | 5.725           | -53.79              | Pk  | 35.6           | -17.1                  | 11.8                   | -23.49                 | 27               | -50.49         | 39             | 195         | V        |

Pk - Peak detector

**BANDEDGE (CHANNEL 155 HIGH EDGE)**

**HORIZONTAL RESULT**



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Amp/Cbll/Fitr/P ad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|-------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -50.3               | Pk  | 35.8           | -17                     | 11.8                   | -19.7                  | 26.98            | -46.68         | 135            | 171         | H        |
| 2      | 5.931           | -64.12              | Pk  | 35.8           | -16.9                   | 11.8                   | -33.42                 | -27              | -6.42          | 135            | 171         | H        |

Pk - Peak detector

## VERTICAL RESULT



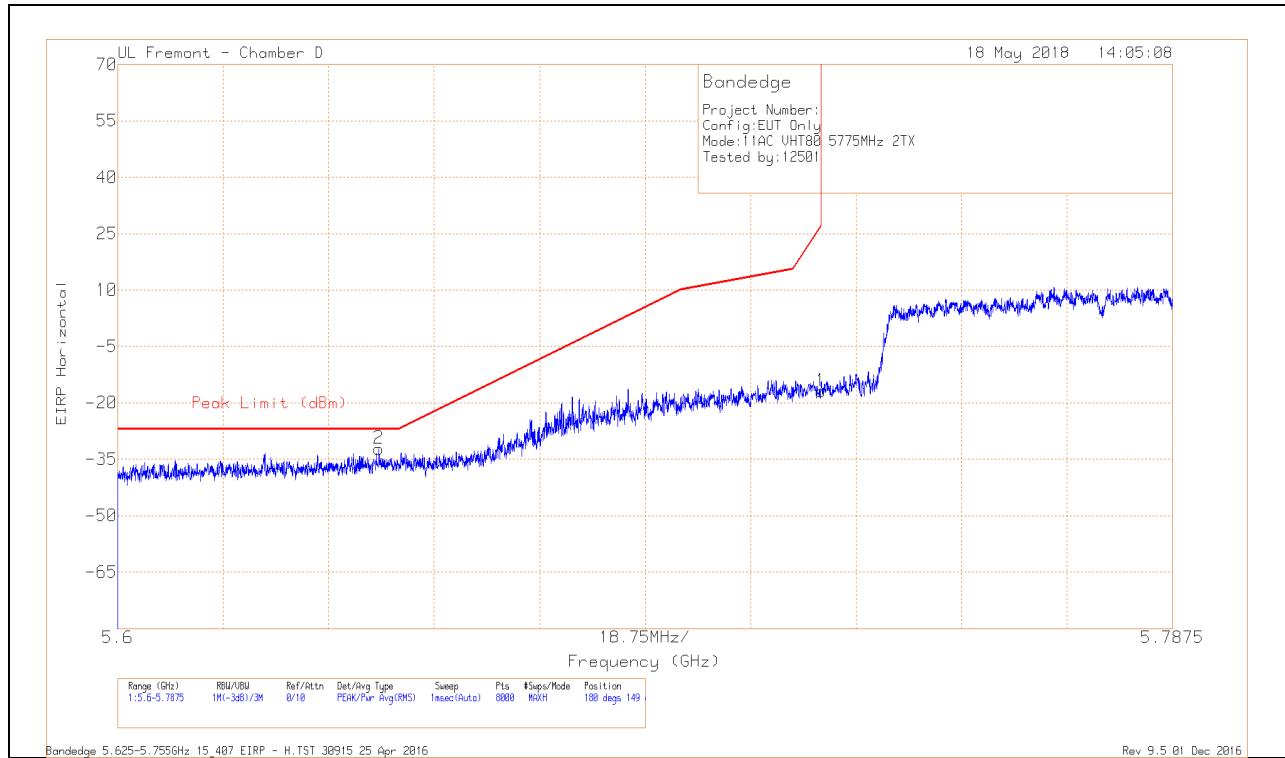
| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dBm) | Amp/Cbl/Filtr Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|---------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -56.9               | Pk  | 35.8          | -17                    | 11.8                   | -26.3                  | 26.99            | -53.29         | 39             | 195         | V        |
| 2      | 5.935           | -66.83              | Pk  | 35.8          | -16.9                  | 11.8                   | -36.13                 | -27              | -9.13          | 39             | 195         | V        |

Pk - Peak detector

**2TX Antenna 6 + Antenna 5 CDD MODE**

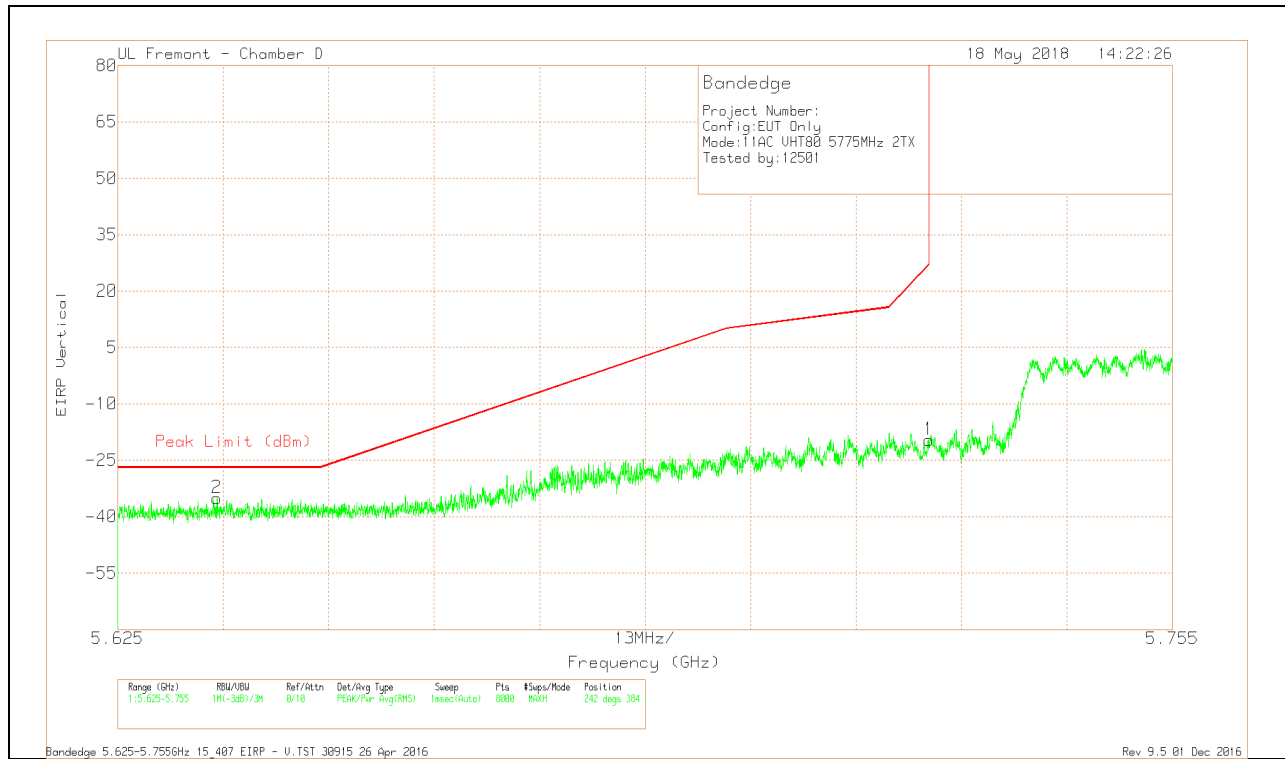
**BANDEDGE (CHANNEL 155 LOW EDGE)**

**HORIZONTAL RESULT**



Pk - Peak detector

## VERTICAL RESULT

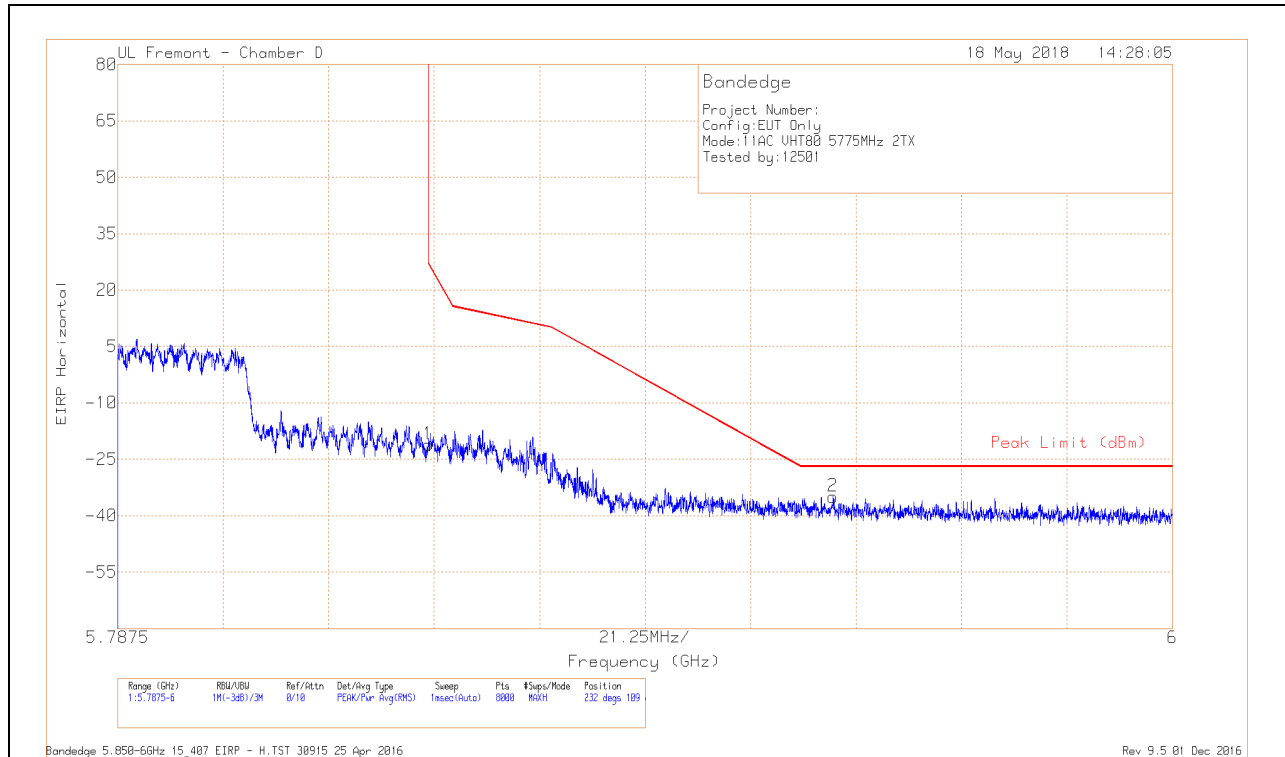


| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T138 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 2      | 5.637           | -65.02              | Pk  | 35.3           | -17.1                  | 11.8                   | -35.02                 | -27              | -8.02          | 242            | 384         | V        |
| 1      | 5.725           | -49.99              | Pk  | 35.6           | -17.1                  | 11.8                   | -19.69                 | 27               | -46.69         | 242            | 384         | V        |

Pk - Peak detector

# **BANDEDGE (CHANNEL 155 HIGH EDGE)**

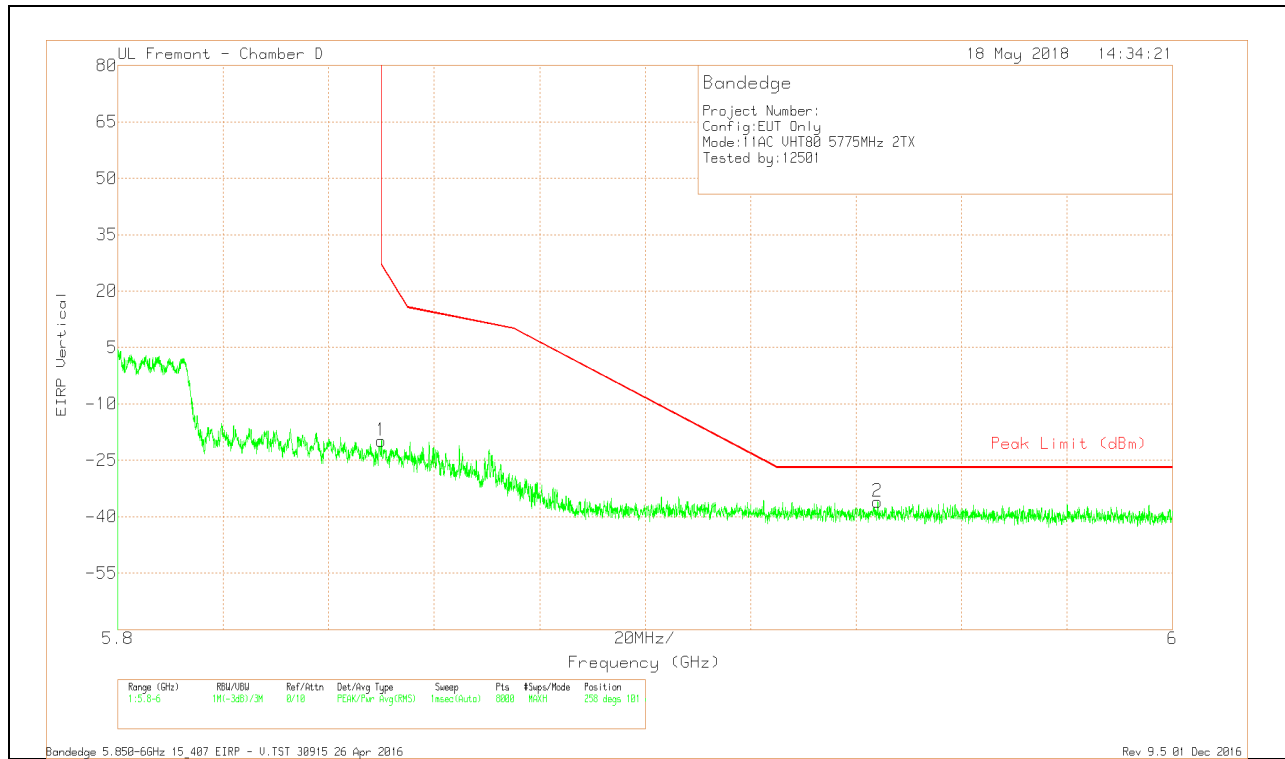
## **HORIZONTAL RESULT**



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dBm) | Amp/Cbl/Filt/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|---------------|-----------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -51.69              | Pk  | 35.8          | -17                   | 11.8                   | -21.09                 | 26.98            | -48.07         | 232            | 109         | H        |
| 2      | 5.932           | -65.69              | Pk  | 35.8          | -16.9                 | 11.8                   | -34.99                 | -27              | -7.99          | 232            | 109         | H        |

Pk - Peak detector

## VERTICAL RESULT

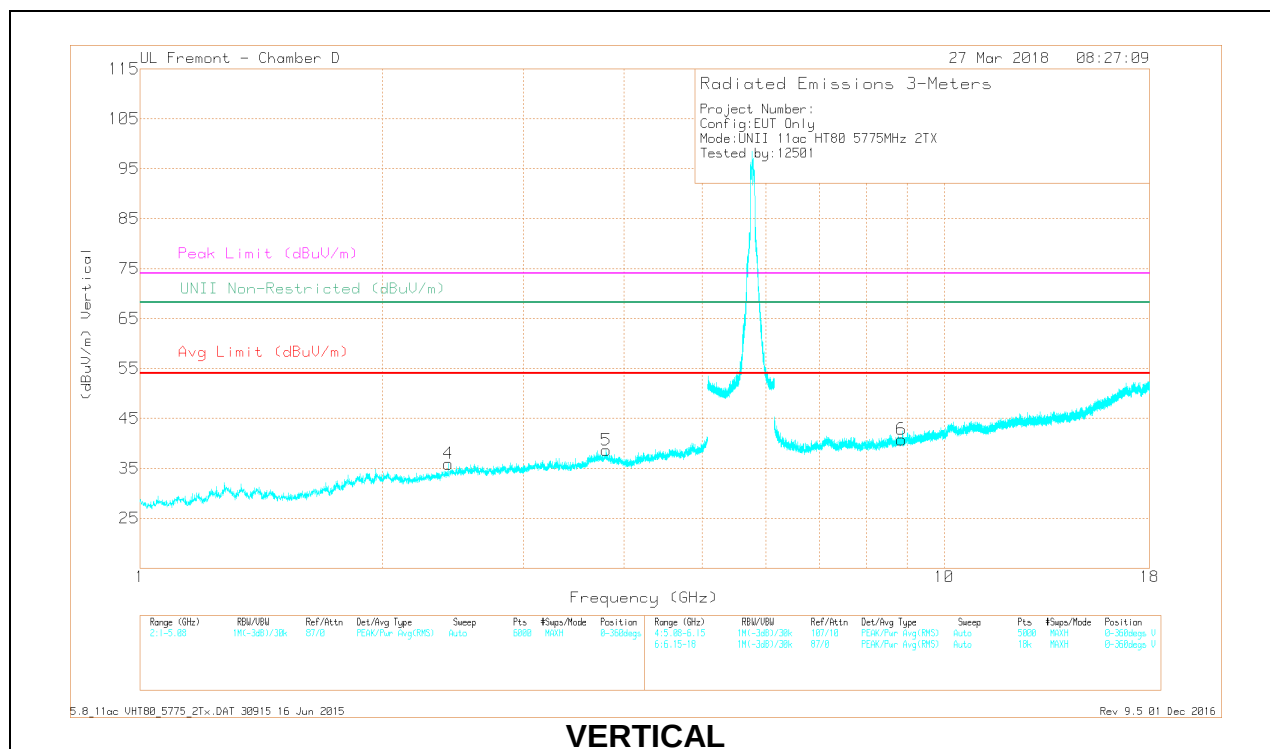
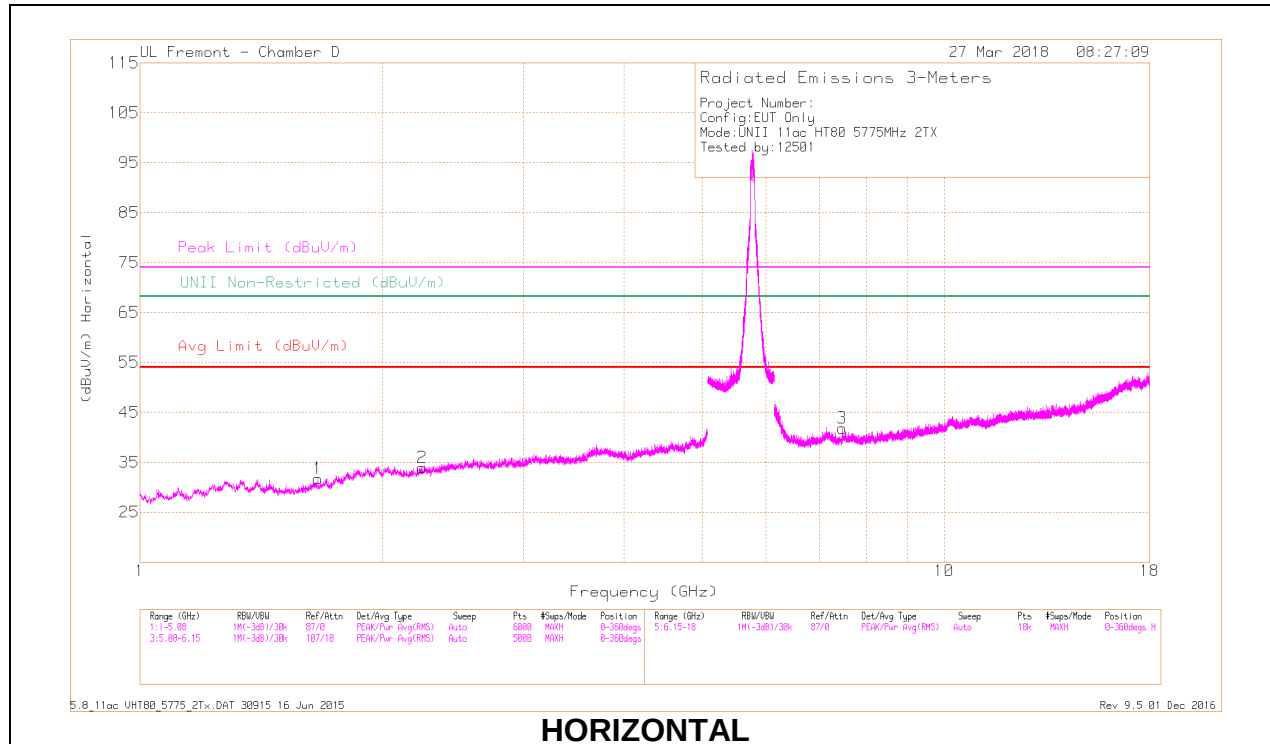


| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T138 (dBm) | Amp/Cbl/Filr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|---------------|-----------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -50.43              | Pk  | 35.8          | -17                   | 11.8                   | -19.83                 | 26.99            | -46.82         | 258            | 101         | V        |
| 2      | 5.944           | -66.68              | Pk  | 35.8          | -17                   | 11.8                   | -36.08                 | -27              | -9.08          | 258            | 101         | V        |

Pk - Peak detector

## HARMONICS AND SPURIOUS EMISSIONS

### MID CHANNEL RESULTS



## RADIATED EMISSIONS

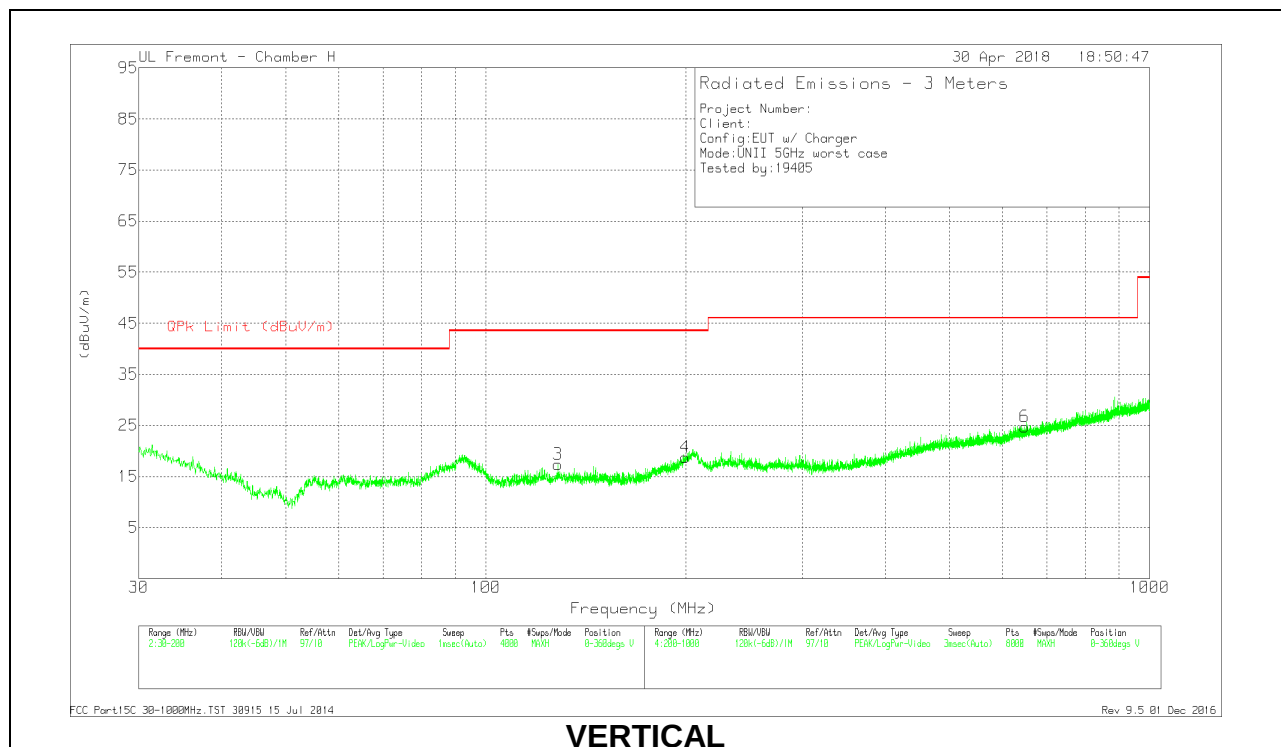
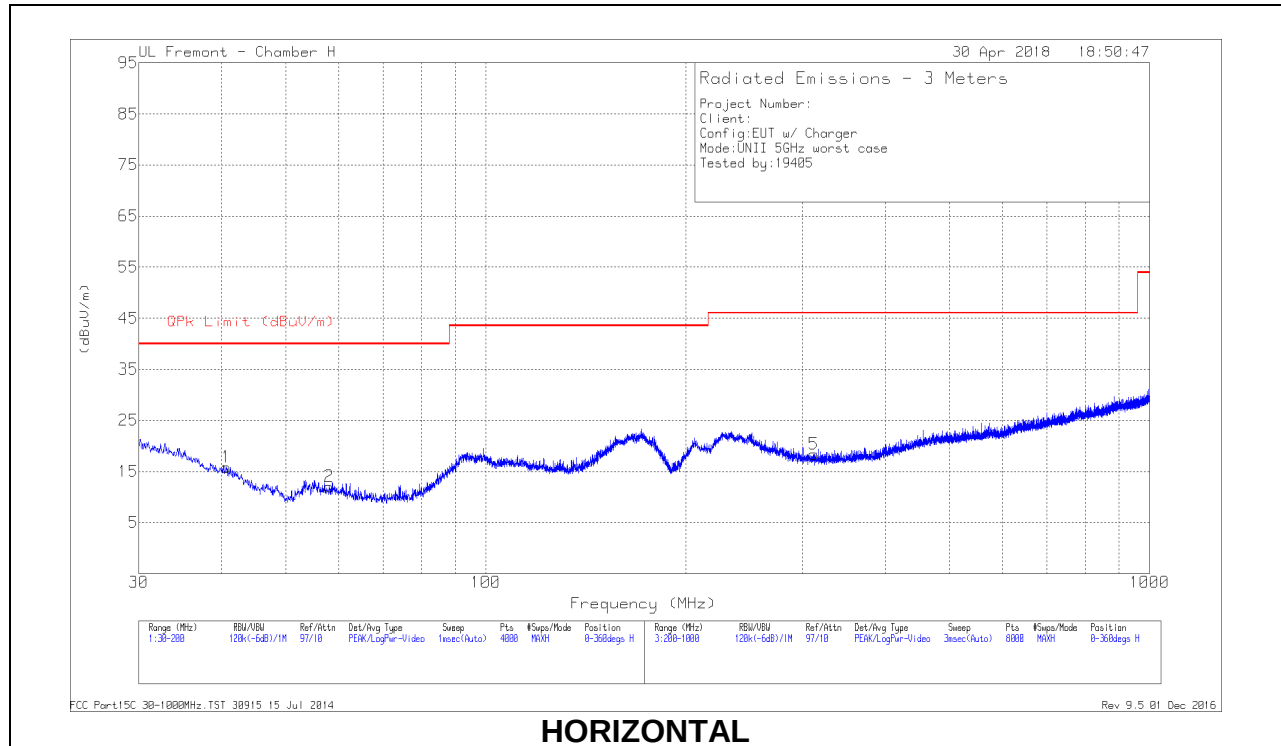
| Markers | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF 1136 (dBm) | Amp/Cbl/Ftr/Pad<br>(dB) | DC Corr (dB) | Correcte<br>d<br>Reading<br>(dBuV/m) | Avg Limit (dBuV/m) | Margin<br>(dB) | Peak Limit (dBuV/m) | PK<br>Margin<br>(dB) | Unlit Non-Restricted<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|---------|------------------------|----------------------------|------|---------------|-------------------------|--------------|--------------------------------------|--------------------|----------------|---------------------|----------------------|----------------------------------|----------------------|-------------------|----------------|----------|
| 1       | * 1.664                | 40.78                      | PK-U | 28.9          | -30.9                   | 0            | 38.78                                | -                  | -              | 74                  | -35.22               | -                                | -                    | 256               | 212            | H        |
|         | * 1.666                | 28.25                      | ADR  | 28.9          | -30.9                   | -19          | 26.44                                | 54                 | -27.56         | -                   | -                    | -                                | -                    | 256               | 212            | H        |
| 2       | * 2.245                | 40.07                      | PK-U | 31.5          | -30.6                   | 0            | 40.97                                | -                  | -              | 74                  | -33.03               | -                                | -                    | 171               | 355            | H        |
|         | * 2.242                | 28.22                      | ADR  | 31.5          | -30.6                   | -19          | 29.31                                | 54                 | -24.69         | -                   | -                    | -                                | -                    | 171               | 355            | H        |
| 5       | * 3.8                  | 38.84                      | PK-U | 33.7          | -28.2                   | 0            | 44.34                                | -                  | -              | 74                  | -29.66               | -                                | -                    | 222               | 160            | V        |
|         | * 3.8                  | 26.65                      | ADR  | 33.7          | -28.2                   | -19          | 32.34                                | 54                 | -21.66         | -                   | -                    | -                                | -                    | 222               | 160            | V        |
| 3       | * 7.469                | 35.06                      | PK-U | 36.3          | -24.1                   | 0            | 47.26                                | -                  | -              | 74                  | -26.74               | -                                | -                    | 40                | 255            | H        |
|         | * 7.468                | 23.63                      | ADR  | 36.3          | -24.1                   | -19          | 36.02                                | 54                 | -17.98         | -                   | -                    | -                                | -                    | 40                | 255            | H        |
| 4       | 2.418                  | 42.6                       | PK-U | 32.1          | -30.3                   | 0            | 44.4                                 | -                  | -              | -                   | -                    | 68.2                             | -23.8                | 145               | 353            | V        |
| 6       | 8.847                  | 34.22                      | PK-U | 36.1          | -22.5                   | 0            | 47.82                                | -                  | -              | -                   | -                    | 68.2                             | -20.38               | 56                | 322            | V        |

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

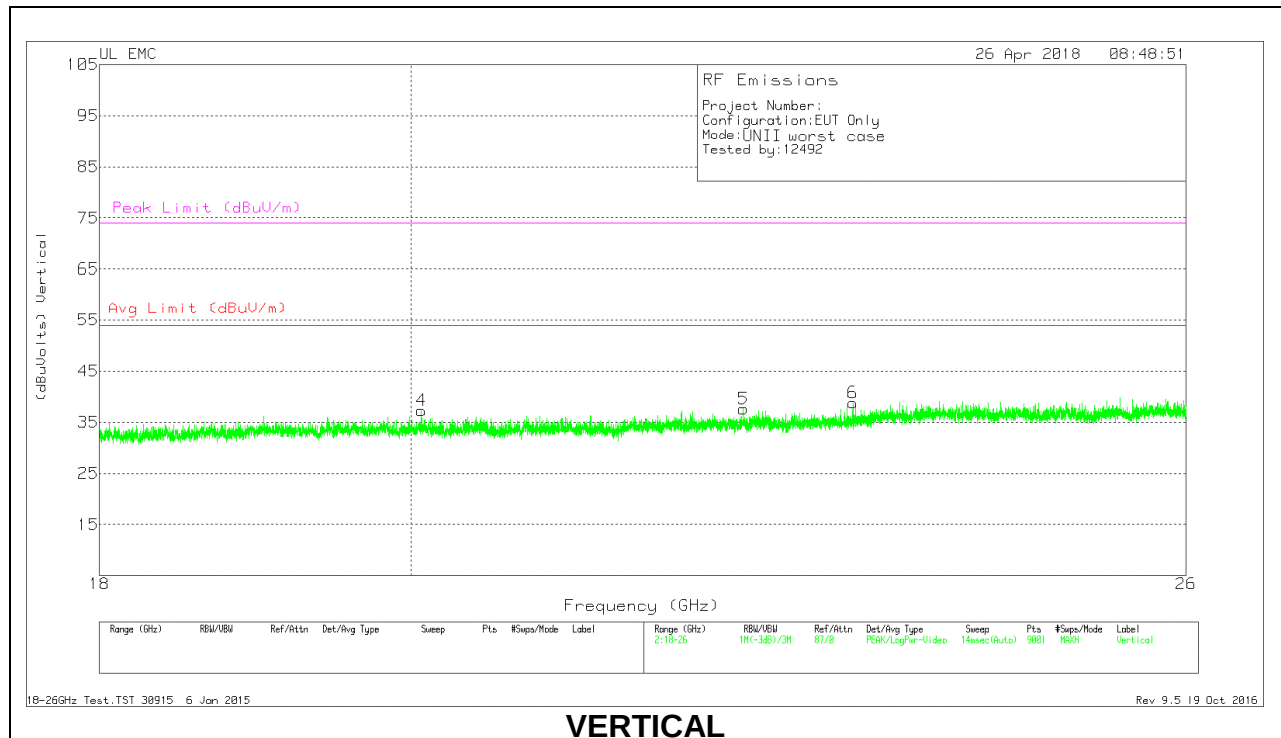
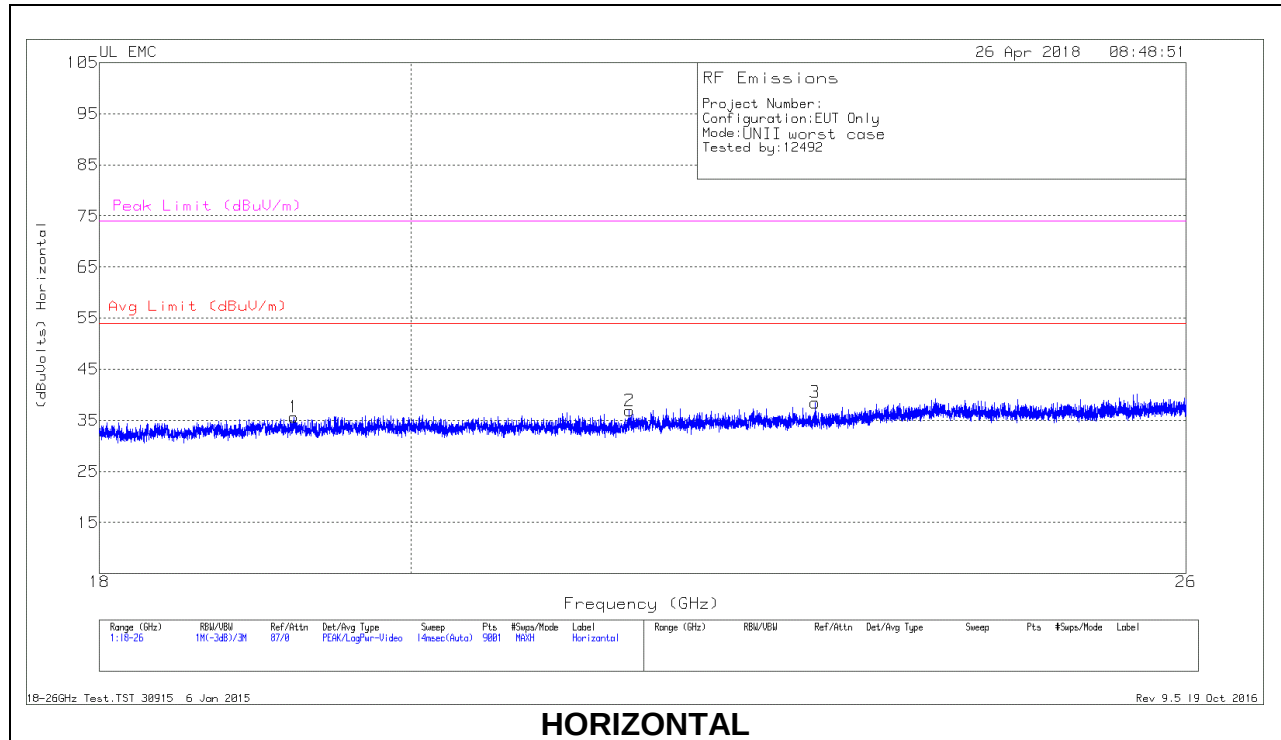
## 9.2. Worst Case Below 1 GHz



**Below 1GHz DATA**

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF T185 (dB/m) | Amp/Cbl (dB) | Corrected Reading (dBuV/m) | QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|--------------|----------------------------|--------------------|-------------|----------------|-------------|----------|
| 3      | * 128.413       | 29.73                | Pk  | 17.8           | -30.2        | 17.33                      | 43.52              | -26.19      | 0-360          | 100         | V        |
| 1      | 40.6703         | 29.42                | Pk  | 17.6           | -31.2        | 15.82                      | 40                 | -24.18      | 0-360          | 199         | H        |
| 2      | 58.0998         | 31.52                | Pk  | 11.4           | -30.9        | 12.02                      | 40                 | -27.98      | 0-360          | 399         | H        |
| 4      | 199.8314        | 32.09                | Pk  | 16.5           | -29.8        | 18.79                      | 43.52              | -24.73      | 0-360          | 100         | V        |
| 5      | 312.2146        | 29.82                | Pk  | 17.6           | -29.1        | 18.32                      | 46.02              | -27.7       | 0-360          | 100         | H        |
| 6      | 648.7583        | 28.83                | Pk  | 23.7           | -27.8        | 24.73                      | 46.02              | -21.29      | 0-360          | 299         | V        |

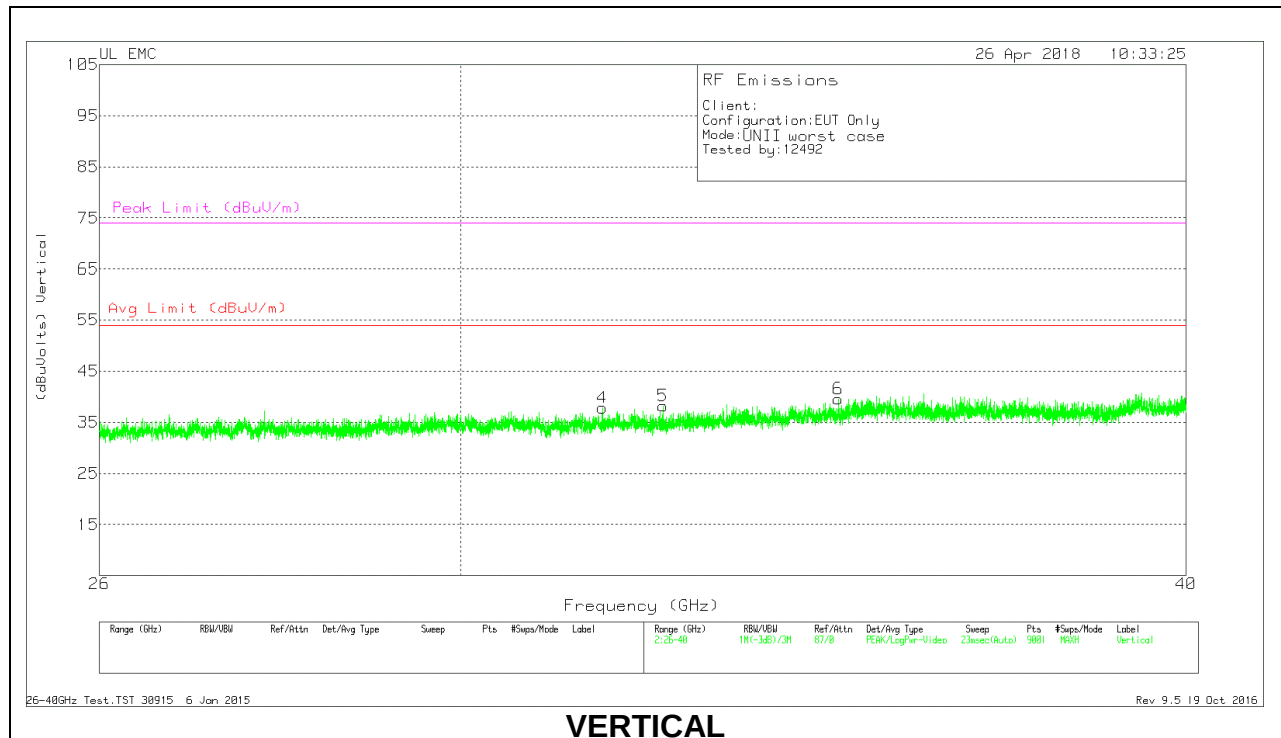
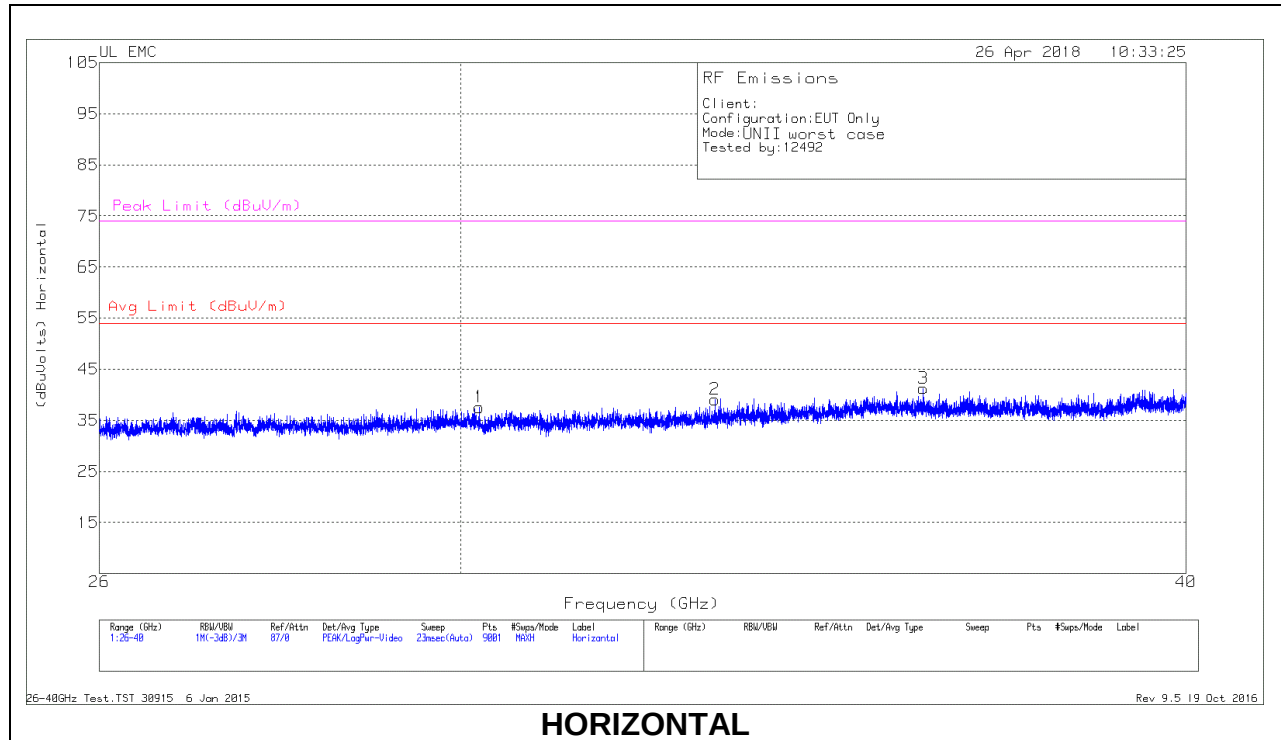
### 9.3. Worst Case 18-26 GHz



**18 – 26GHz DATA**

| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det | T449 AF<br>(dB/m) | Amp/Cbl (dB) | Dist Corr<br>(dB) | Corrected<br>Reading<br>(dBuVolts<br>) | Avg Limit<br>(dBuV/m) | Margin<br>(dB) | Peak Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) |
|--------|------------------------|----------------------------|-----|-------------------|--------------|-------------------|----------------------------------------|-----------------------|----------------|------------------------|----------------------|
| 1      | 19.225                 | 37.34                      | Pk  | 32.6              | -24.8        | -9.5              | 35.64                                  | 54                    | -18.36         | 74                     | -38.36               |
| 2      | 21.535                 | 38.4                       | Pk  | 33.2              | -25.2        | -9.5              | 36.9                                   | 54                    | -17.1          | 74                     | -37.1                |
| 3      | 22.932                 | 39.45                      | Pk  | 33.5              | -25          | -9.5              | 38.45                                  | 54                    | -15.55         | 74                     | -35.55               |
| 4      | 20.072                 | 38.96                      | Pk  | 32.8              | -25          | -9.5              | 37.26                                  | 54                    | -16.74         | 74                     | -36.74               |
| 5      | 22.381                 | 38.45                      | Pk  | 33.5              | -24.8        | -9.5              | 37.65                                  | 54                    | -16.35         | 74                     | -36.35               |
| 6      | 23.227                 | 39.79                      | Pk  | 33.6              | -25.1        | -9.5              | 38.79                                  | 54                    | -15.21         | 74                     | -35.21               |

## 9.4. Worst Case 26-40 GHz



**26 – 40GHz DATA**

| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det | T90 AF<br>(dB/m) | Amp/Cbl (dB) | Dist Corr<br>(dB) | Corrected<br>Reading<br>(dBuVolts<br>) | Avg Limit<br>(dBuV/m) | Margin<br>(dB) | Peak Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) |
|--------|------------------------|----------------------------|-----|------------------|--------------|-------------------|----------------------------------------|-----------------------|----------------|------------------------|----------------------|
| 1      | 30.225                 | 42.74                      | Pk  | 35.8             | -31.5        | -9.5              | 37.54                                  | 54                    | -16.46         | 74                     | -36.46               |
| 2      | 33.184                 | 43.96                      | Pk  | 36.9             | -32.3        | -9.5              | 39.06                                  | 54                    | -14.94         | 74                     | -34.94               |
| 3      | 36.041                 | 44.35                      | Pk  | 37.2             | -30.8        | -9.5              | 41.25                                  | 54                    | -12.75         | 74                     | -32.75               |
| 4      | 31.735                 | 42.93                      | Pk  | 36.3             | -31.9        | -9.5              | 37.83                                  | 54                    | -16.17         | 74                     | -36.17               |
| 5      | 32.51                  | 43.87                      | Pk  | 36.1             | -32.3        | -9.5              | 38.17                                  | 54                    | -15.83         | 74                     | -35.83               |
| 6      | 34.845                 | 42.95                      | Pk  | 37.2             | -31.1        | -9.5              | 39.55                                  | 54                    | -14.45         | 74                     | -34.45               |

## 10. AC POWER LINE CONDUCTED EMISSIONS

### LIMITS

FCC §15.207 (a)

| Frequency of Emission (MHz) | Conducted Limit (dBuV) |                       |
|-----------------------------|------------------------|-----------------------|
|                             | Quasi-peak             | Average               |
| 0.15-0.5                    | 66 to 56 <sup>*</sup>  | 56 to 46 <sup>*</sup> |
| 0.5-5                       | 56                     | 46                    |
| 5-30                        | 60                     | 50                    |

<sup>\*</sup> 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.

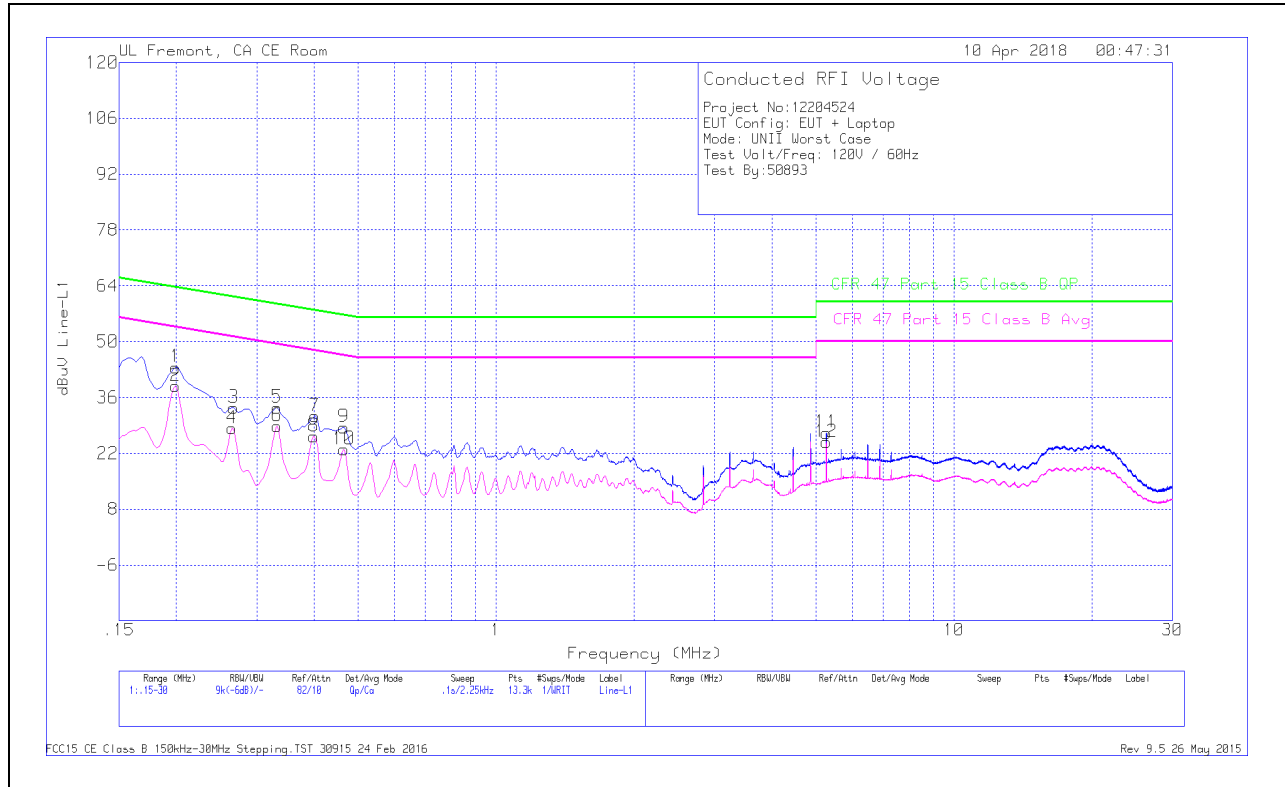
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both NEUTRAL and HOT lines.

### RESULTS

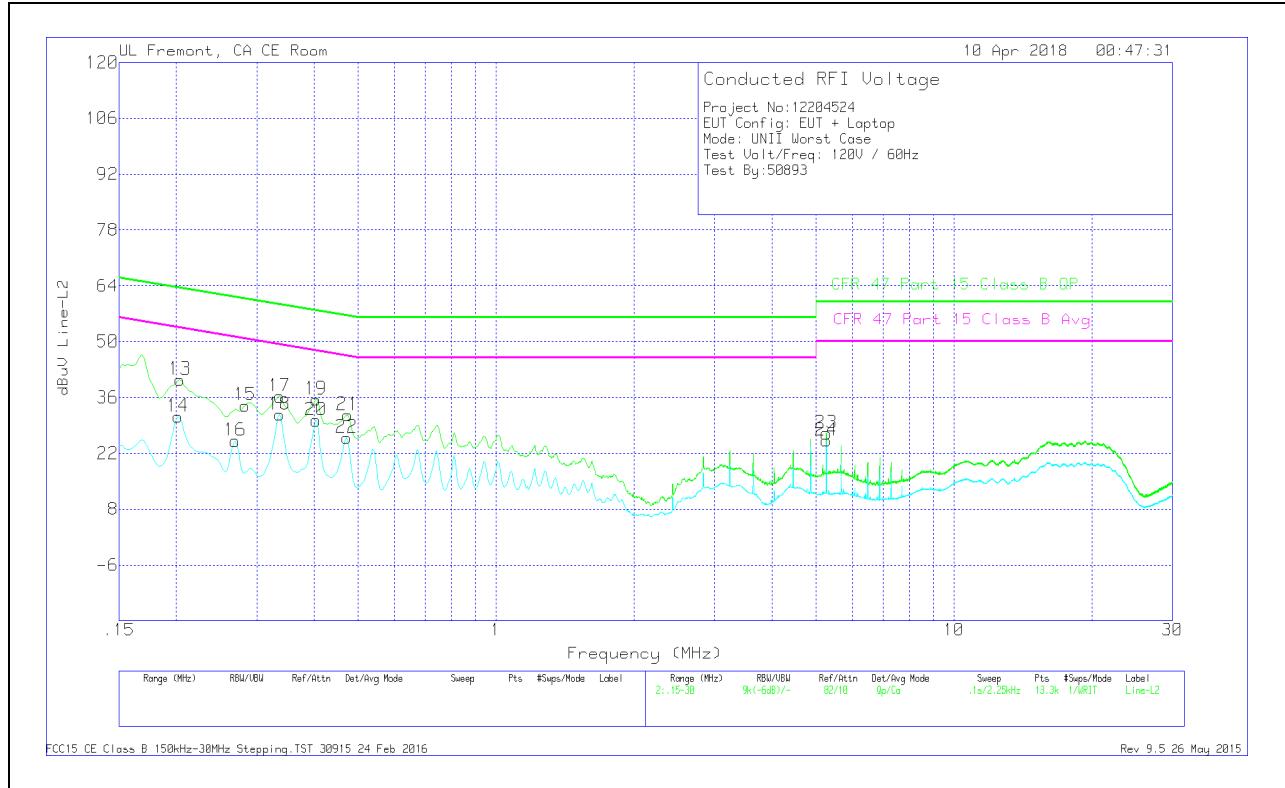
## 10.1.1. AC Power Line Host

### LINE 1 RESULTS



| Range 1: Line-L1 .15 - 30MHz |                 |                      |     |         |                 |              |                        |                           |                |                            |                      |
|------------------------------|-----------------|----------------------|-----|---------|-----------------|--------------|------------------------|---------------------------|----------------|----------------------------|----------------------|
| Marker                       | Frequency (MHz) | Meter Reading (dBuV) | Det | LISN L1 | LC Cables C1&C3 | Limiter (dB) | Corrected Reading dBuV | CFR 47 Part 15 Class B QP | QP Margin (dB) | CFR 47 Part 15 Class B Avg | Av(CISPR)Margin (dB) |
| 1                            | .1995           | 33.49                | Qp  | 0       | 0               | 10.1         | 43.59                  | 63.63                     | -20.04         | -                          | -                    |
| 2                            | .1995           | 28.77                | Ca  | 0       | 0               | 10.1         | 38.87                  | -                         | -              | 53.63                      | -14.76               |
| 3                            | .267            | 23.35                | Qp  | 0       | 0               | 10.1         | 33.45                  | 61.21                     | -27.76         | -                          | -                    |
| 4                            | .26475          | 18.17                | Ca  | 0       | 0               | 10.1         | 28.27                  | -                         | -              | 51.28                      | -23.01               |
| 5                            | .33225          | 23.36                | Qp  | 0       | 0               | 10.1         | 33.46                  | 59.39                     | -25.93         | -                          | -                    |
| 6                            | .33225          | 18.77                | Ca  | 0       | 0               | 10.1         | 28.87                  | -                         | -              | 49.39                      | -20.52               |
| 7                            | .402            | 21.28                | Qp  | 0       | 0               | 10.1         | 31.38                  | 57.81                     | -26.43         | -                          | -                    |
| 8                            | .39975          | 16.17                | Ca  | 0       | 0               | 10.1         | 26.27                  | -                         | -              | 47.86                      | -21.59               |
| 9                            | .465            | 18.43                | Qp  | 0       | 0               | 10.1         | 28.53                  | 56.6                      | -28.07         | -                          | -                    |
| 10                           | .465            | 12.91                | Ca  | 0       | 0               | 10.1         | 23.01                  | -                         | -              | 46.6                       | -23.59               |
| 11                           | 5.26425         | 16.97                | Qp  | 0       | .1              | 10.1         | 27.17                  | 60                        | -32.83         | -                          | -                    |
| 12                           | 5.26425         | 14.63                | Ca  | 0       | .1              | 10.1         | 24.83                  | -                         | -              | 50                         | -25.17               |

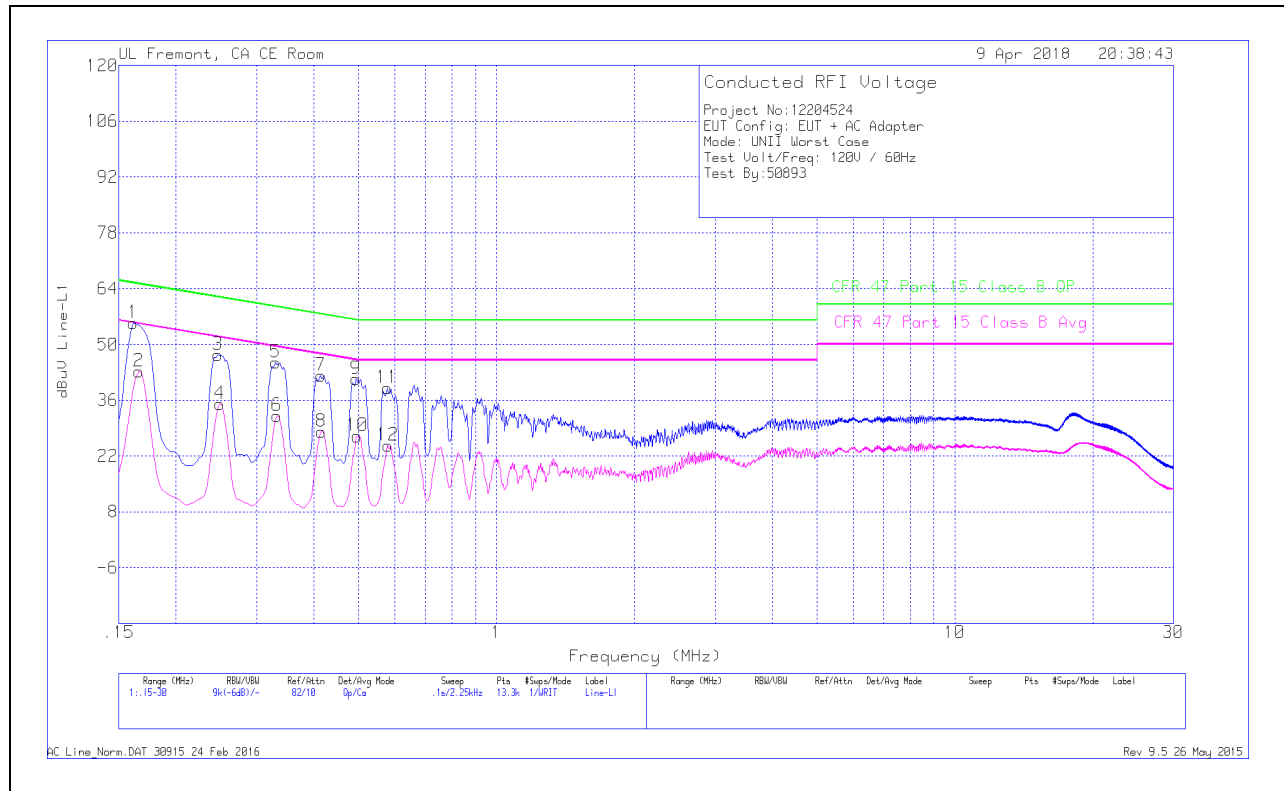
## LINE 2 RESULTS



| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | LISN L2 | LC Cables C2&C3 | Limiter (dB) | Corrected Reading dBuV | CFR 47 Part 15 Class B QP | QP Margin (dB) | CFR 47 Part 15 Class B Avg | Av(CISPR)Margin (dB) |
|--------|-----------------|----------------------|-----|---------|-----------------|--------------|------------------------|---------------------------|----------------|----------------------------|----------------------|
| 13     | .204            | 30.39                | Qp  | 0       | 0               | 10.1         | 40.49                  | 63.45                     | -22.96         | -                          | -                    |
| 14     | .20175          | 21.12                | Ca  | 0       | 0               | 10.1         | 31.22                  | -                         | -              | 53.54                      | -22.32               |
| 15     | .28275          | 23.92                | Qp  | 0       | 0               | 10.1         | 34.02                  | 60.73                     | -26.71         | -                          | -                    |
| 16     | .26925          | 15.03                | Ca  | 0       | 0               | 10.1         | 25.13                  | -                         | -              | 51.14                      | -26.01               |
| 17     | .33675          | 26.17                | Qp  | 0       | 0               | 10.1         | 36.27                  | 59.28                     | -23.01         | -                          | -                    |
| 18     | .33675          | 21.6                 | Ca  | 0       | 0               | 10.1         | 31.7                   | -                         | -              | 49.28                      | -17.58               |
| 19     | .40425          | 25.4                 | Qp  | 0       | 0               | 10.1         | 35.5                   | 57.77                     | -22.27         | -                          | -                    |
| 20     | .40425          | 20.18                | Ca  | 0       | 0               | 10.1         | 30.28                  | -                         | -              | 47.77                      | -17.49               |
| 21     | .474            | 21.5                 | Qp  | 0       | 0               | 10.1         | 31.6                   | 56.44                     | -24.84         | -                          | -                    |
| 22     | .47175          | 15.85                | Ca  | 0       | 0               | 10.1         | 25.95                  | -                         | -              | 46.48                      | -20.53               |
| 23     | 5.262           | 16.83                | Qp  | 0       | .1              | 10.1         | 27.03                  | 60                        | -32.97         | -                          | -                    |
| 24     | 5.26425         | 15.02                | Ca  | 0       | .1              | 10.1         | 25.22                  | -                         | -              | 50                         | -24.78               |

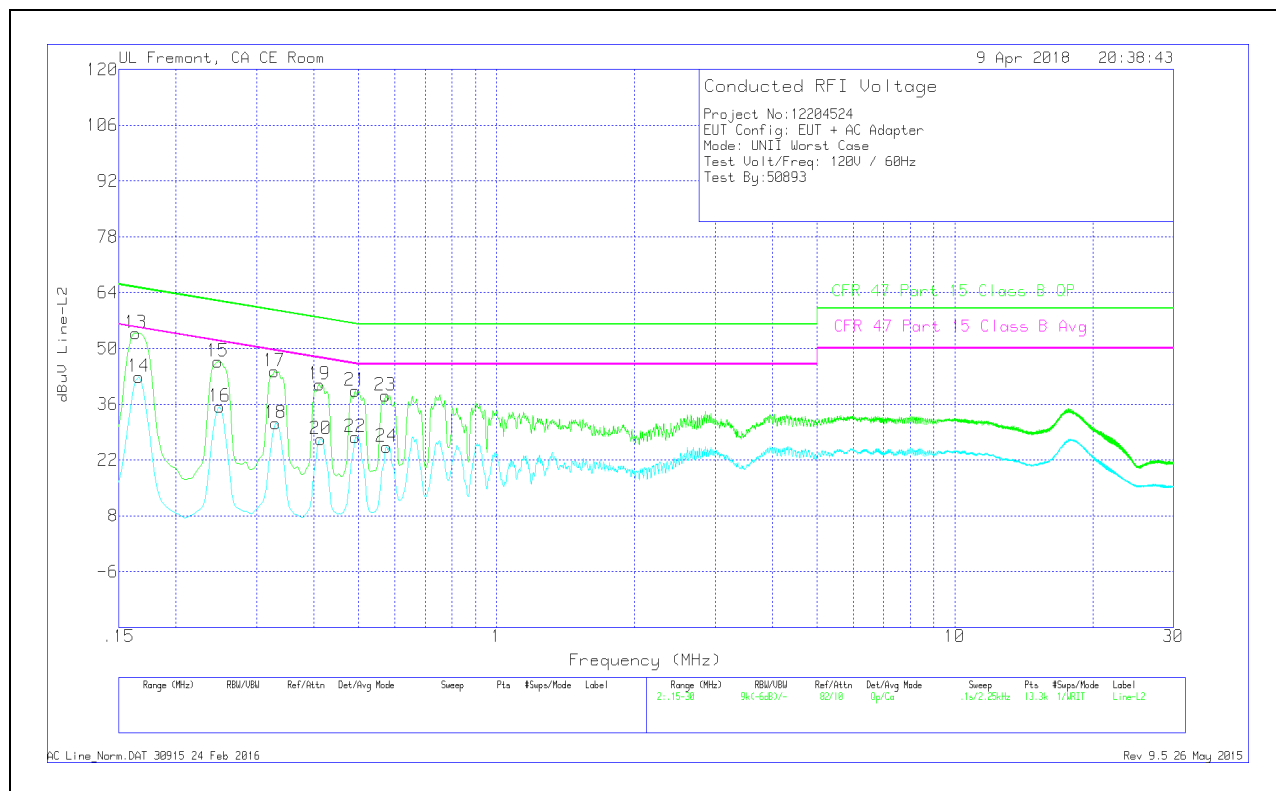
## 10.1.2. AC Power Line Norm

### LINE 1 RESULTS



| Range 1: Line-L1 .15 - 30MHz |                 |                      |     |         |                 |              |                        |                           |                |                            |                      |
|------------------------------|-----------------|----------------------|-----|---------|-----------------|--------------|------------------------|---------------------------|----------------|----------------------------|----------------------|
| Marker                       | Frequency (MHz) | Meter Reading (dBuV) | Det | LISN L1 | LC Cables C1&C3 | Limiter (dB) | Corrected Reading dBuV | CFR 47 Part 15 Class B QP | QP Margin (dB) | CFR 47 Part 15 Class B Avg | Av(CISPR)Margin (dB) |
| 1                            | .16125          | 45.12                | Qp  | .1      | 0               | 10.1         | 55.32                  | 65.4                      | -10.08         | -                          | -                    |
| 2                            | .16575          | 33.03                | Ca  | .1      | 0               | 10.1         | 43.23                  | -                         | -              | 55.17                      | -11.94               |
| 3                            | .24675          | 37.26                | Qp  | 0       | 0               | 10.1         | 47.36                  | 61.87                     | -14.51         | -                          | -                    |
| 4                            | .249            | 24.97                | Ca  | 0       | 0               | 10.1         | 35.07                  | -                         | -              | 51.79                      | -16.72               |
| 5                            | .33             | 35.35                | Qp  | 0       | 0               | 10.1         | 45.45                  | 59.45                     | -14            | -                          | -                    |
| 6                            | .33225          | 21.92                | Ca  | 0       | 0               | 10.1         | 32.02                  | -                         | -              | 49.39                      | -17.37               |
| 7                            | .41325          | 32.1                 | Qp  | 0       | 0               | 10.1         | 42.2                   | 57.58                     | -15.38         | -                          | -                    |
| 8                            | .4155           | 17.98                | Ca  | 0       | 0               | 10.1         | 28.08                  | -                         | -              | 47.54                      | -19.46               |
| 9                            | .49425          | 31.15                | Qp  | 0       | 0               | 10.1         | 41.25                  | 56.1                      | -14.85         | -                          | -                    |
| 10                           | .4965           | 16.87                | Ca  | 0       | 0               | 10.1         | 26.97                  | -                         | -              | 46.06                      | -19.09               |
| 11                           | .5775           | 28.96                | Qp  | 0       | 0               | 10.1         | 39.06                  | 56                        | -16.94         | -                          | -                    |
| 12                           | .57975          | 14.52                | Ca  | 0       | 0               | 10.1         | 24.62                  | -                         | -              | 46                         | -21.38               |

## LINE 2 RESULTS



| Range 2: Line-L2 .15 - 30MHz |                 |                      |     |         |                 |              |                        |                           |                |                            |                      |
|------------------------------|-----------------|----------------------|-----|---------|-----------------|--------------|------------------------|---------------------------|----------------|----------------------------|----------------------|
| Marker                       | Frequency (MHz) | Meter Reading (dBuV) | Det | LISN L2 | LC Cables C2&C3 | Limiter (dB) | Corrected Reading dBuV | CFR 47 Part 15 Class B QP | QP Margin (dB) | CFR 47 Part 15 Class B Avg | Av(CISPR)Margin (dB) |
| 13                           | .1635           | 43.77                | Qp  | 0       | 0               | 10.1         | 53.87                  | 65.28                     | -11.41         | -                          | -                    |
| 14                           | .16575          | 32.77                | Ca  | 0       | 0               | 10.1         | 42.87                  | -                         | -              | 55.17                      | -12.3                |
| 15                           | .24675          | 36.61                | Qp  | 0       | 0               | 10.1         | 46.71                  | 61.87                     | -15.16         | -                          | -                    |
| 16                           | .249            | 25.23                | Ca  | 0       | 0               | 10.1         | 35.33                  | -                         | -              | 51.79                      | -16.46               |
| 17                           | .32775          | 34.23                | Qp  | 0       | 0               | 10.1         | 44.33                  | 59.51                     | -15.18         | -                          | -                    |
| 18                           | .33             | 21.12                | Ca  | 0       | 0               | 10.1         | 31.22                  | -                         | -              | 49.45                      | -18.23               |
| 19                           | .411            | 30.78                | Qp  | 0       | 0               | 10.1         | 40.88                  | 57.63                     | -16.75         | -                          | -                    |
| 20                           | .41325          | 17.17                | Ca  | 0       | 0               | 10.1         | 27.27                  | -                         | -              | 47.58                      | -20.31               |
| 21                           | .492            | 29.35                | Qp  | 0       | 0               | 10.1         | 39.45                  | 56.13                     | -16.68         | -                          | -                    |
| 22                           | .492            | 17.61                | Ca  | 0       | 0               | 10.1         | 27.71                  | -                         | -              | 46.13                      | -18.42               |
| 23                           | .573            | 28.11                | Qp  | 0       | 0               | 10.1         | 38.21                  | 56                        | -17.79         | -                          | -                    |
| 24                           | .57525          | 15.27                | Ca  | 0       | 0               | 10.1         | 25.37                  | -                         | -              | 46                         | -20.63               |

## **11. SETUP PHOTOS**

Please refer to 12204524-EP1V1 for setup photos

**END OF REPORT**