

## **RESULTS**

### **Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>(dBi) | FCC<br>Power<br>Limit<br>(dBm) | IC<br>Power<br>Limit<br>(dBm) | IC<br>EIRP<br>Limit<br>(dBm) | Max<br>Power<br>(dBm) |
|---------|--------------------|------------------------------|--------------------------------|-------------------------------|------------------------------|-----------------------|
| Mid     | 5775               | 5.13                         | 30.00                          | 30                            | 36                           | 30.00                 |

### **Results**

| Channel | Frequency<br>(MHz) | Chain 0<br>Meas<br>Power<br>(dBm) | Chain 1<br>Meas<br>Power<br>(dBm) | Chain 2<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Margin<br>(dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|----------------|
| Mid     | 5775               | 13.20                             | 13.30                             | 13.60                             | 18.14                             | 30.00                   | -11.86         |

**Note:** the power readings above are measured with gated method, and the measurement was taken only during the ON time. No duty cycle correction was necessary.

**POWER SPECTRAL DENSITY****LIMITS**

FCC §15.407 (a) (3)

For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

**DIRECTIONAL ANTENNA GAIN**

For PSD, the TX chains are correlated and the antenna gain is unequal among the chains. The directional gain is:

| Chain 0<br>Antenna<br>Gain<br>(dBi) | Chain 1<br>Antenna<br>Gain<br>(dBi) | Chain 2<br>Antenna<br>Gain<br>(dBi) | Correlated Chains<br>Directional<br>Gain<br>(dBi) |
|-------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------------------|
| 2.66                                | 5.93                                | 6.04                                | 9.78                                              |

## **RESULTS**

### **Bandwidth and Antenna Gain**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for PPSP<br>(dBi) |
|---------|--------------------|------------------------------------------|
| Low     | 5775               | 9.78                                     |

### **Limits**

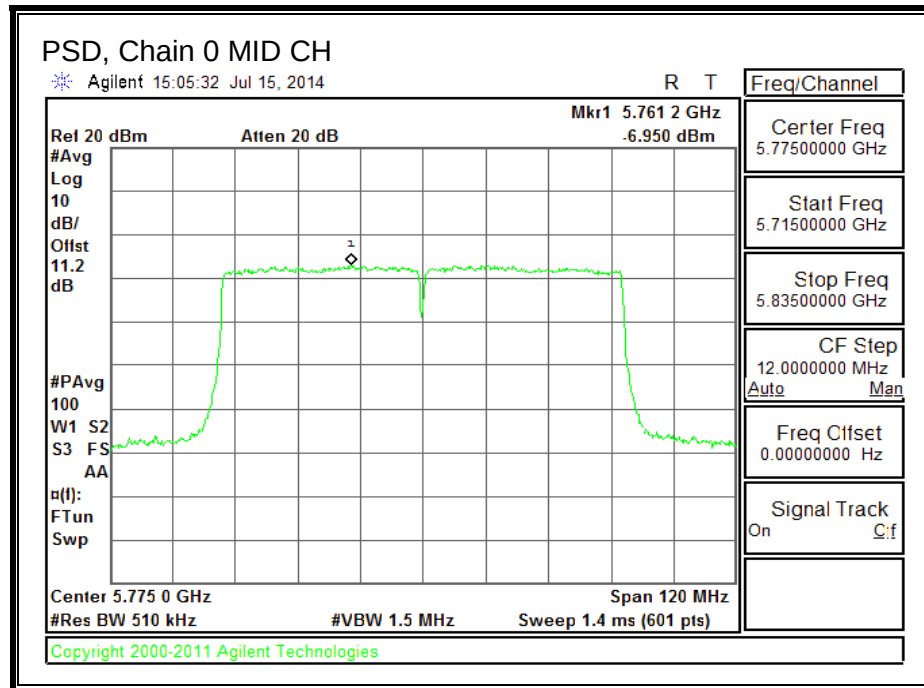
| Channel | Frequency<br>(MHz) | FCC<br>PPSP<br>Limit<br>(dBm) |
|---------|--------------------|-------------------------------|
| Low     | 5775               | 26.22                         |

|                    |      |                                  |
|--------------------|------|----------------------------------|
| Duty Cycle CF (dB) | 0.19 | Included in Calculations of PPSP |
|--------------------|------|----------------------------------|

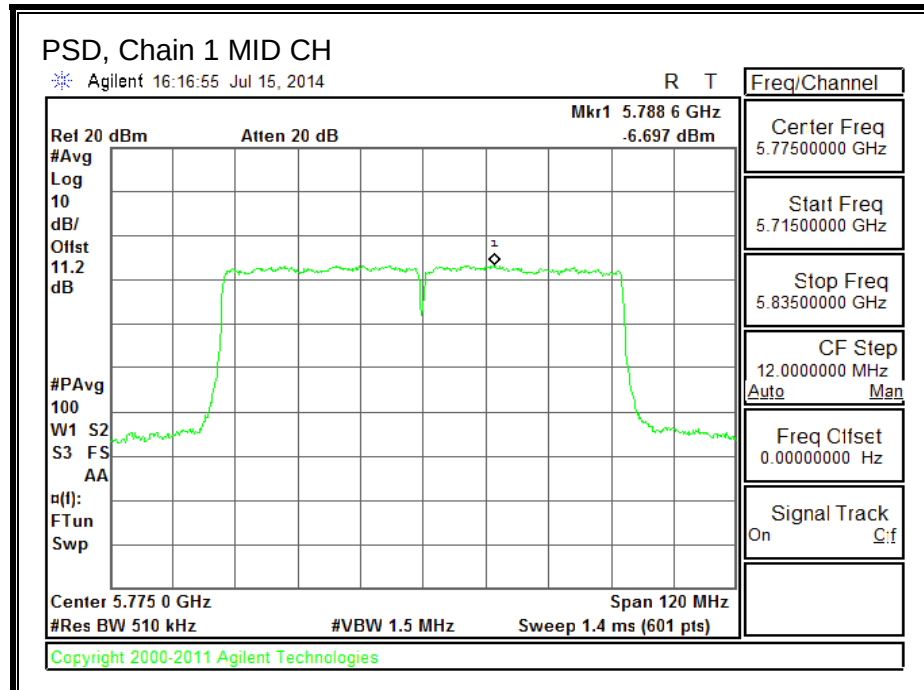
### **PPSP Results**

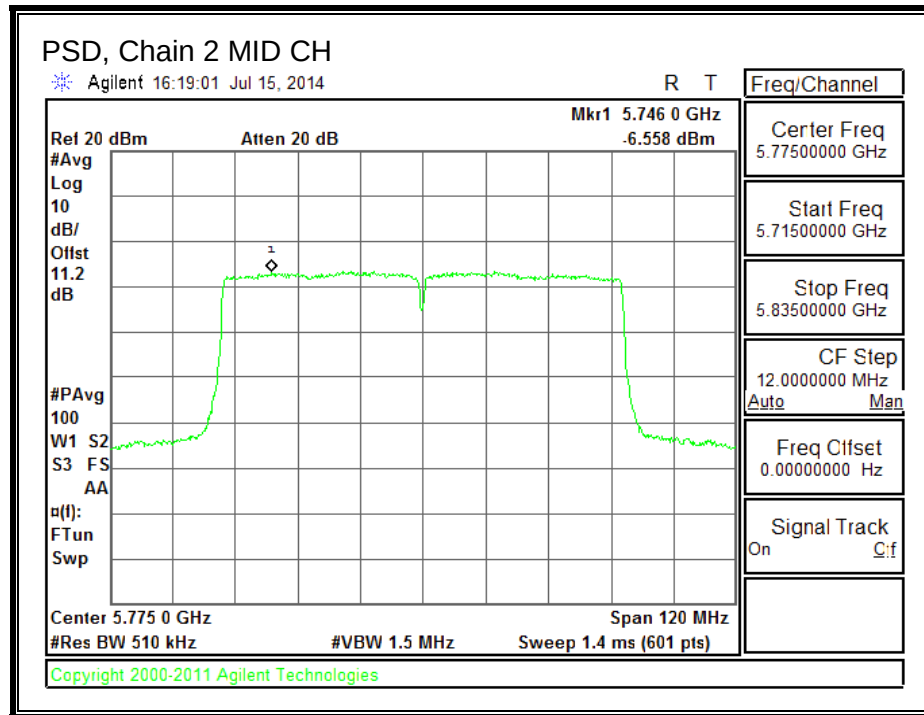
| Channel | Frequency<br>(MHz) | Chain 0<br>Meas<br>PPSP<br>(dBm) | Chain 1<br>Meas<br>PPSP<br>(dBm) | Chain 2<br>Meas<br>PPSP<br>(dBm) | Total<br>Corr'd<br>PPSP<br>(dBm) | PPSP<br>Limit<br>(dBm) | PPSP<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|------------------------|------------------------|
| Low     | 5775               | -6.950                           | -6.697                           | -6.558                           | -1.77                            | 26.22                  | -27.99                 |

**PSD, Chain 0**



**PSD, Chain 1**



**PSD, Chain 2**

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12.2.3. **RADIATED TEST RESULTS**

**LIMITS**

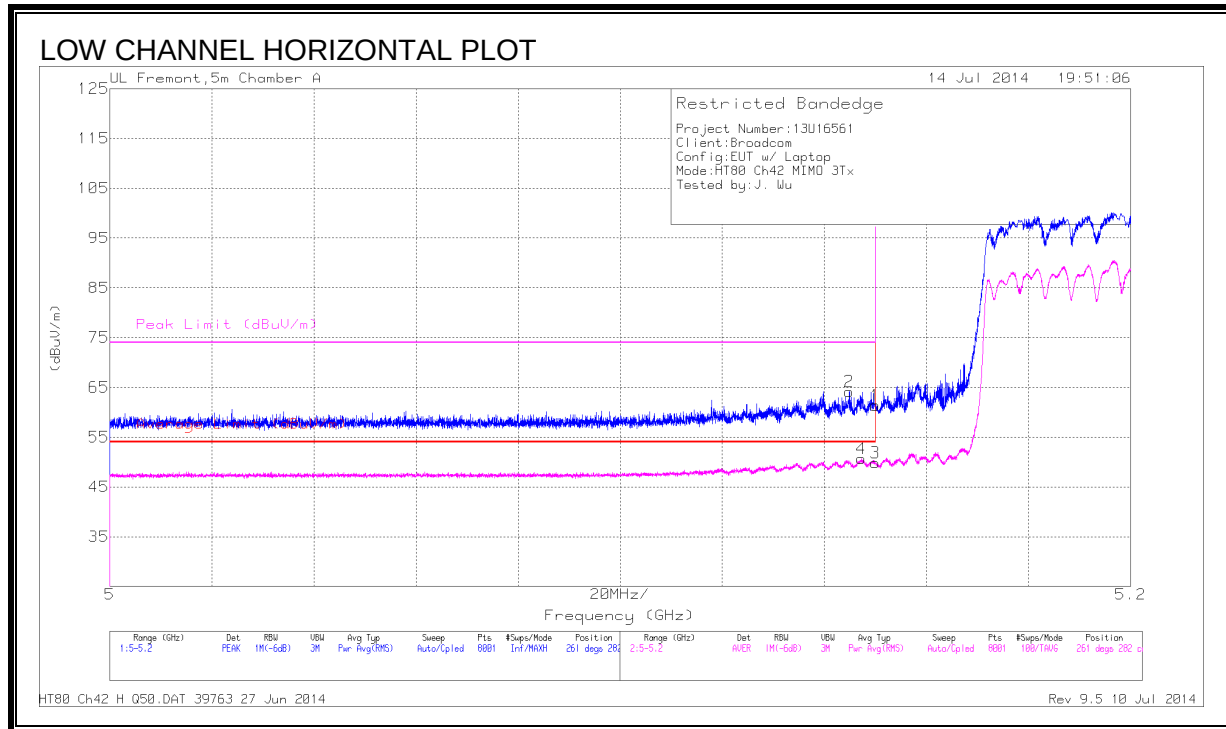
FCC §15.205 and §15.209

IC RSS-210 Clause 2.6 (Transmitter)

| Frequency Range<br>(MHz) | Field Strength Limit<br>(uV/m) at 3 m | Field Strength Limit<br>(dBuV/m) at 3 m |
|--------------------------|---------------------------------------|-----------------------------------------|
| 30 - 88                  | 100                                   | 40                                      |
| 88 - 216                 | 150                                   | 43.5                                    |
| 216 - 960                | 200                                   | 46                                      |
| Above 960                | 500                                   | 54                                      |

## 12.2.3.1. TX ABOVE 1 GHz 802.11ac VHT80 CDD 3Tx MODE IN THE 5.2GHz BAND

### RESTRICTED BANDEGE (LOW CHANNEL)

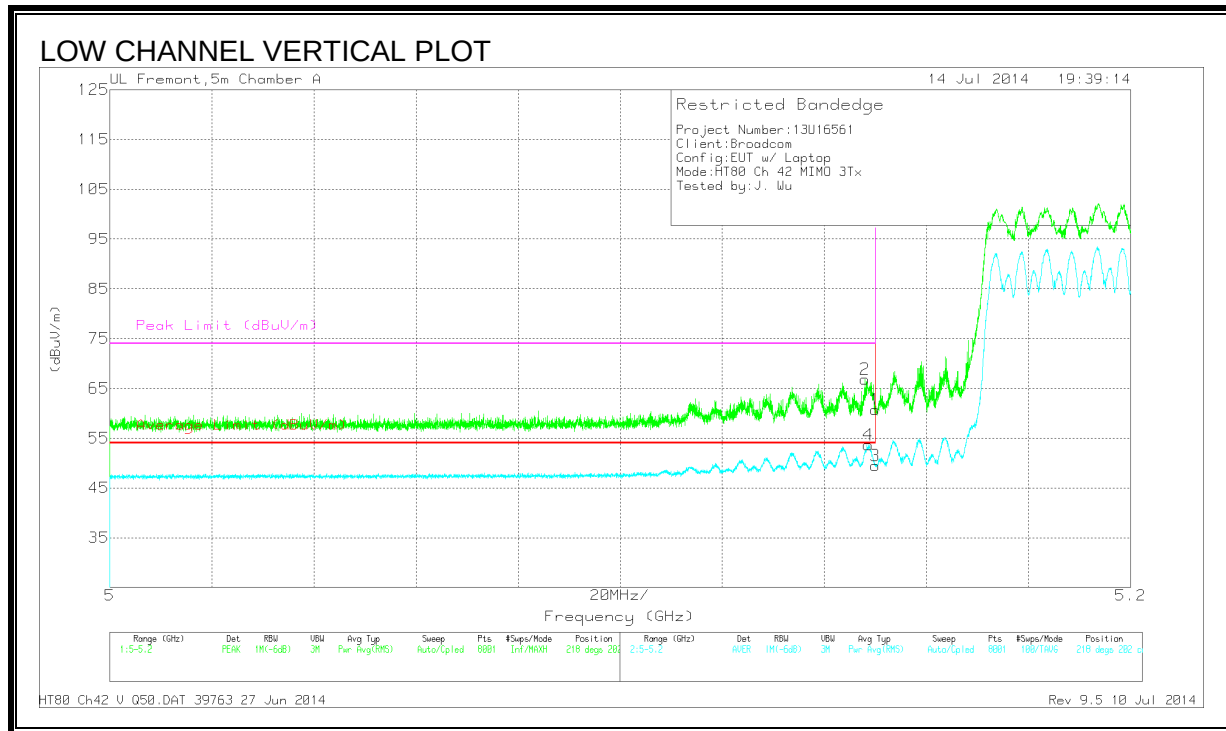


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Bypass (dB) | Pad | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------|-----|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 5.145         | 15.26                | PK  | 34             | 8.9         | 6   | 0            | 64.16                      | -                      | -           | 74                  | -9.84          | 261            | 282         | H        |
| 4      | * 5.147         | 1.57                 | RMS | 34             | 8.9         | 6   | .19          | 50.66                      | 54                     | -3.34       | -                   | -              | 261            | 282         | H        |
| 1      | * 5.15          | 12.4                 | PK  | 34             | 9           | 6   | 0            | 61.4                       | -                      | -           | 74                  | -12.6          | 261            | 282         | H        |
| 3      | * 5.15          | .65                  | RMS | 34             | 9           | 6   | .19          | 49.84                      | 54                     | -4.16       | -                   | -              | 261            | 282         | H        |

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Bypass (dB) | Pad | 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      | * 5.148         | 17.94                | PK  | 34             | 8.9         | 6   | 0            | 66.84                      | -                      | -           | 74                  | -7.16          | 218            | 202         | V        |
| 4      | * 5.149         | 4.45                 | RMS | 34             | 9           | 6   | -19          | 53.64                      | 54                     | -36         | -                   | -              | 218            | 202         | V        |
| 1      | * 5.15          | 11.77                | PK  | 34             | 9           | 6   | 0            | 60.77                      | -                      | -           | 74                  | -13.23         | 218            | 202         | V        |
| 3      | * 5.15          | .27                  | RMS | 34             | 9           | 6   | -19          | 49.46                      | 54                     | -4.54       | -                   | -              | 218            | 202         | V        |

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

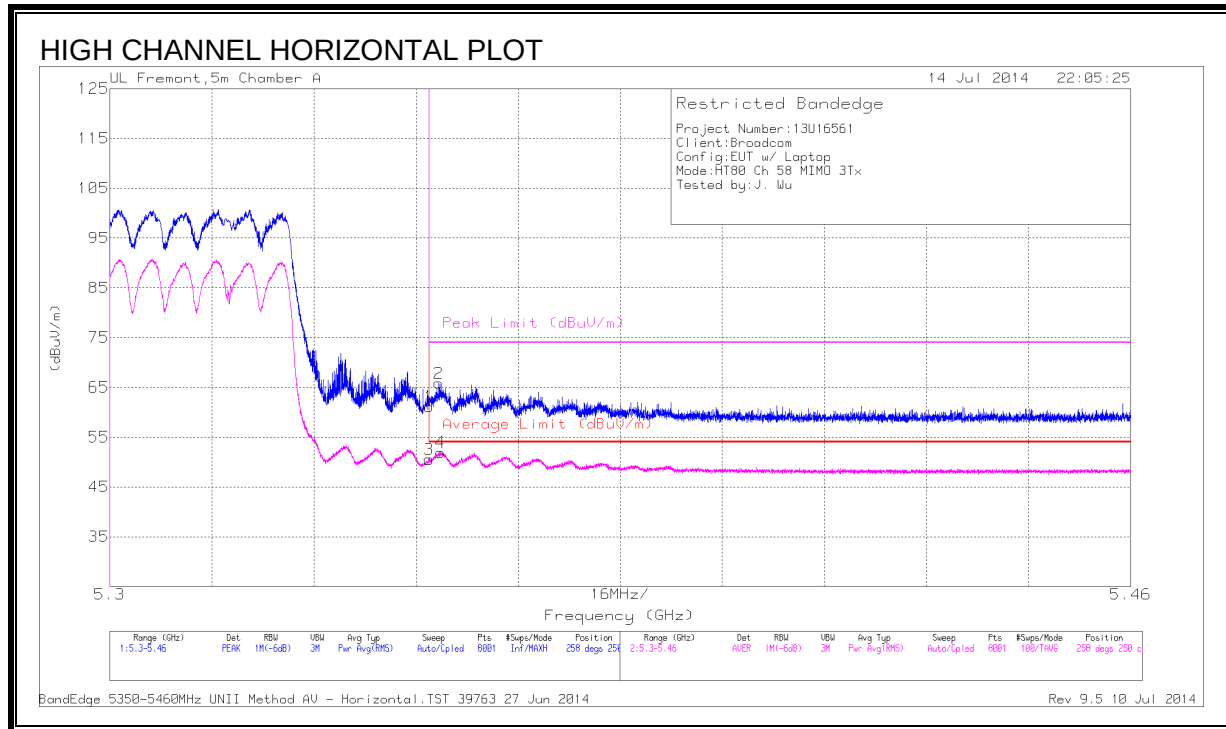
PK - Peak detector

RMS - RMS detection



## 12.2.3.2. TX ABOVE 1 GHz 802.11ac VHT80 CDD 3Tx MODE IN THE 5.3GHz BAND

### RESTRICTED BANDEGE (HIGH CHANNEL)

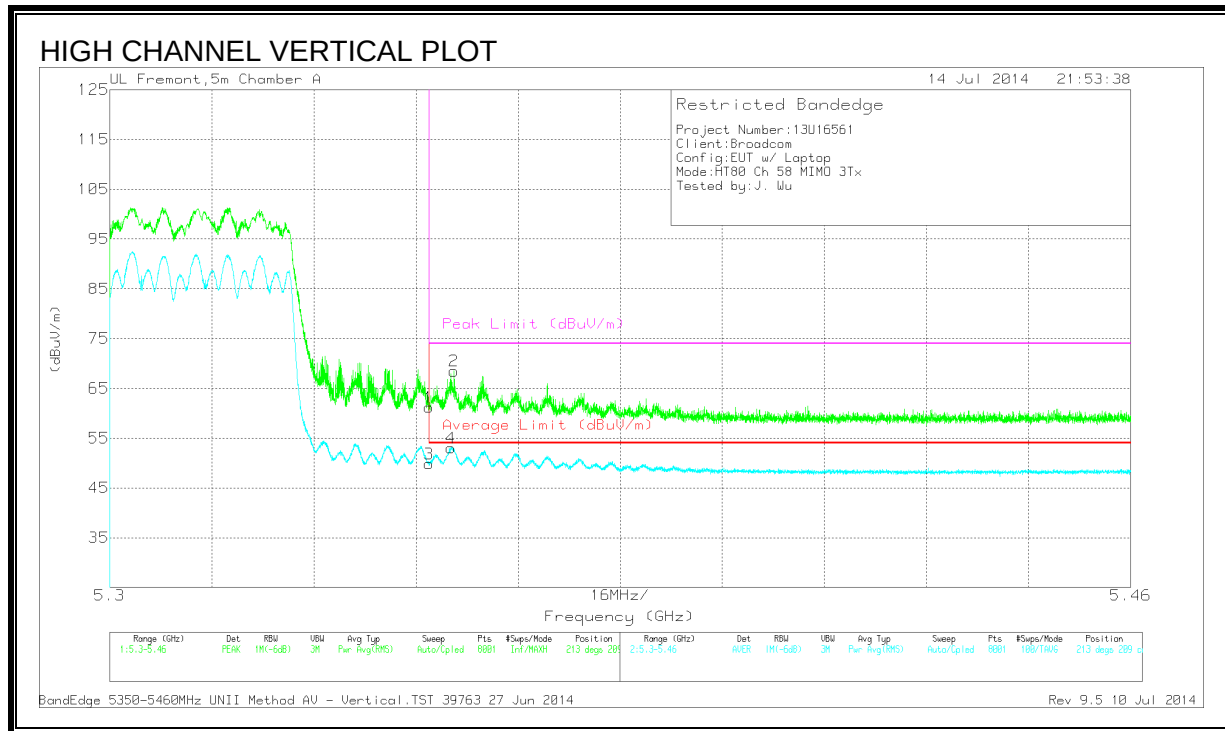


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Bypass (dB) | Pad | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------|-----|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.35          | 11.63                | PK  | 34.3           | 9.2         | 6   | 0            | 61.13                      | -                      | -           | 74                  | -12.87         | 258            | 250         | H        |
| 3      | * 5.35          | 1.02                 | RMS | 34.3           | 9.2         | 6   | .19          | 50.71                      | 54                     | -3.29       | -                   | -              | 258            | 250         | H        |
| 2      | * 5.352         | 16.35                | PK  | 34.3           | 9.2         | 6   | 0            | 65.85                      | -                      | -           | 74                  | -8.15          | 258            | 250         | H        |
| 4      | * 5.352         | 2.44                 | RMS | 34.3           | 9.2         | 6   | .19          | 52.13                      | 54                     | -1.87       | -                   | -              | 258            | 250         | H        |

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Bypass (dB) | Pad | 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          | 11.67                | PK  | 34.3           | 9.2         | 6   | 0            | 61.17                      | -                      | -           | 74                  | -12.83         | 213            | 209         | V        |
| 3      | * 5.35          | .31                  | RMS | 34.3           | 9.2         | 6   | .19          | 50                         | 54                     | -4          | -                   | -              | 213            | 209         | V        |
| 4      | * 5.353         | 3.48                 | RMS | 34.3           | 9.2         | 6   | .19          | 53.17                      | 54                     | -.83        | -                   | -              | 213            | 209         | V        |
| 2      | * 5.354         | 18.99                | PK  | 34.3           | 9.2         | 6   | 0            | 68.49                      | -                      | -           | 74                  | -5.51          | 213            | 209         | V        |

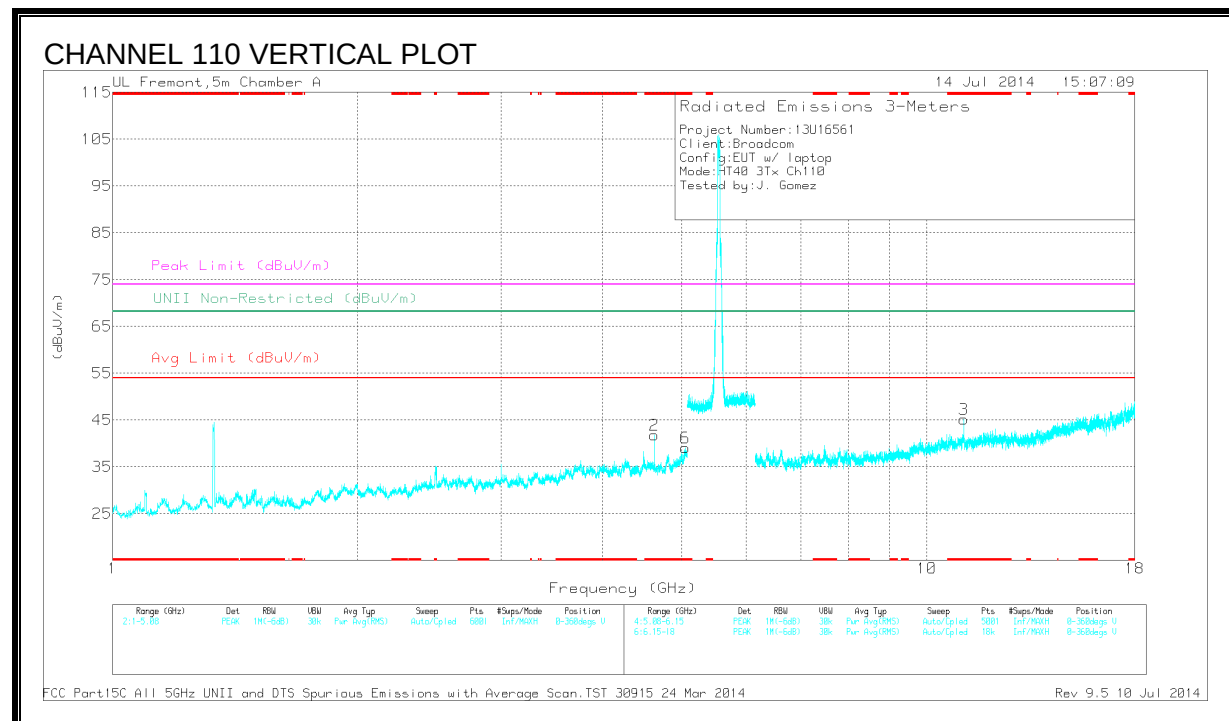
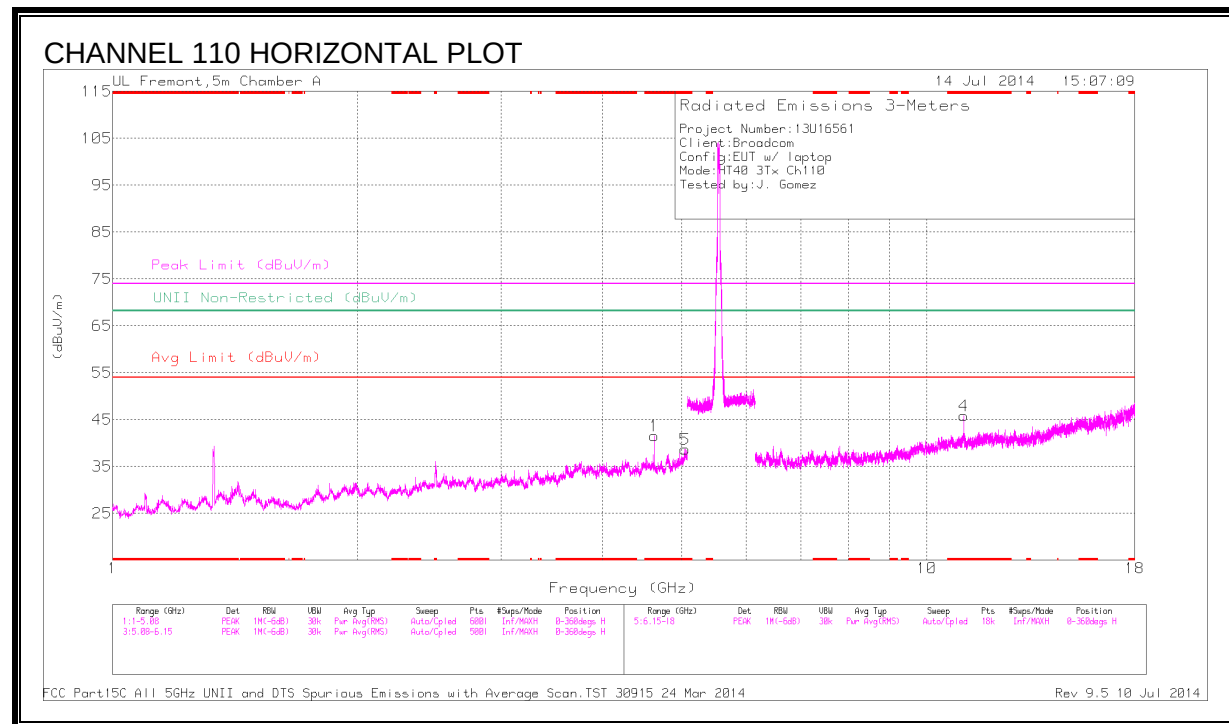
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

### 12.2.3.3. TX ABOVE 1 GHz 802.11n HT40 CDD 3Tx MODE IN THE 5.6GHz BAND

#### HARMONICS AND SPURIOUS EMISSIONS



DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/Cbl/Fitr /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      | * 4.625         | 46.03                | PK1 | 34             | -29.7                  | 50.33                      | -                  | -           | 74                  | -23.67         | -                            | -              | 168            | 290         | H        |
|        | * 4.625         | 40.63                | AD1 | 34             | -29.7                  | 44.93                      | 54                 | -9.07       | -                   | -              | -                            | -              | 168            | 290         | H        |
| 5      | * 5.048         | 42.39                | PK1 | 33.8           | -27.4                  | 48.79                      | -                  | -           | 74                  | -25.21         | -                            | -              | 176            | 381         | H        |
|        | * 5.049         | 30                   | AD1 | 33.8           | -27.4                  | 36.4                       | 54                 | -17.6       | -                   | -              | -                            | -              | 176            | 381         | H        |
| 2      | * 4.625         | 43.7                 | PK1 | 34             | -29.7                  | 48                         | -                  | -           | 74                  | -26            | -                            | -              | 231            | 181         | V        |
|        | * 4.625         | 37.29                | AD1 | 34             | -29.7                  | 41.59                      | 54                 | -12.41      | -                   | -              | -                            | -              | 231            | 181         | V        |
| 6      | * 5.044         | 41.34                | PK1 | 33.8           | -27.6                  | 47.54                      | -                  | -           | 74                  | -26.46         | -                            | -              | 223            | 246         | V        |
|        | * 5.048         | 30.05                | AD1 | 33.8           | -27.4                  | 36.45                      | 54                 | -17.55      | -                   | -              | -                            | -              | 223            | 246         | V        |
| 4      | * 11.099        | 36.89                | PK1 | 37.7           | -22.3                  | 52.29                      | -                  | -           | 74                  | -21.71         | -                            | -              | 100            | 196         | H        |
|        | * 11.099        | 26.16                | AD1 | 37.7           | -22.3                  | 41.56                      | 54                 | -12.44      | -                   | -              | -                            | -              | 100            | 196         | H        |
| 3      | * 11.101        | 36.35                | PK1 | 37.7           | -22.4                  | 51.65                      | -                  | -           | 74                  | -22.35         | -                            | -              | 173            | 159         | V        |
|        | * 11.101        | 25.53                | AD1 | 37.7           | -22.4                  | 40.83                      | 54                 | -13.17      | -                   | -              | -                            | -              | 173            | 159         | V        |

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

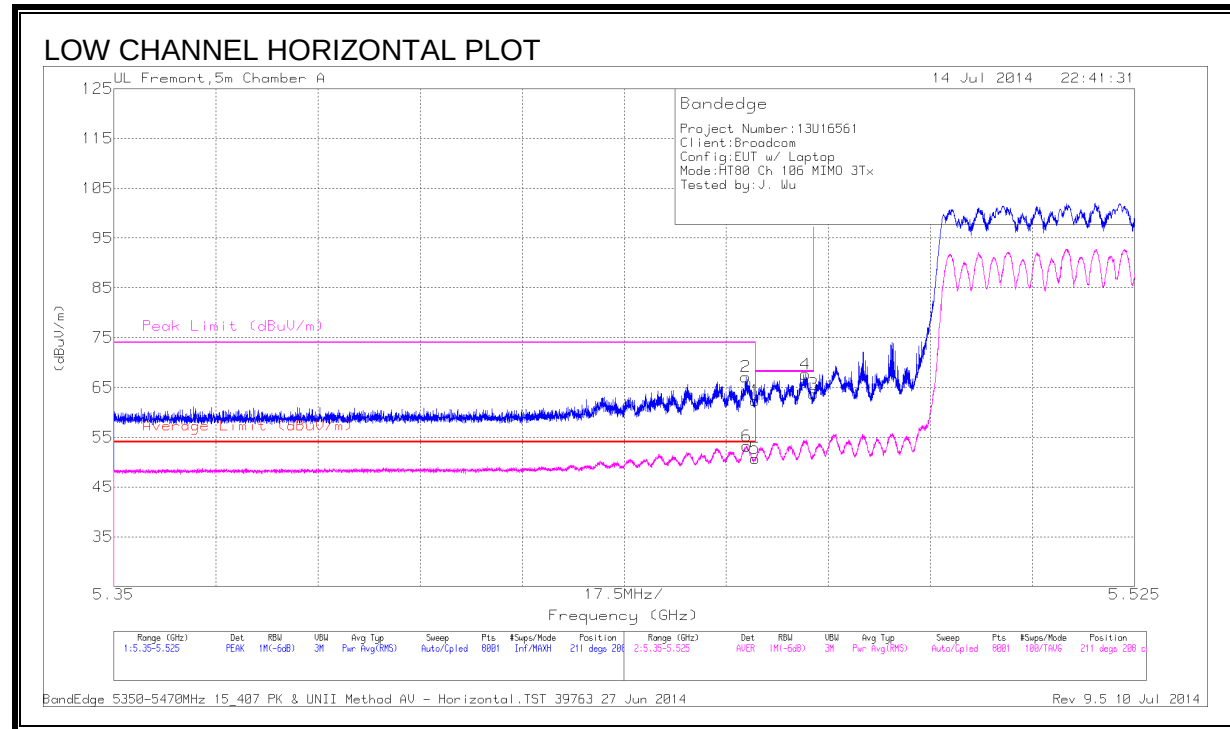
PK - Peak detector

PK1 - KDB 789033 Method: Peak

AD1 - KDB 789033 Method: AD Primary Power Average

# 12.2.3.4. TX ABOVE 1 GHz 802.11ac VHT80 CDD 3Tx MODE IN THE 5.6GHz BAND

## RESTRICTED BANDEDGE (LOW CHANNEL)

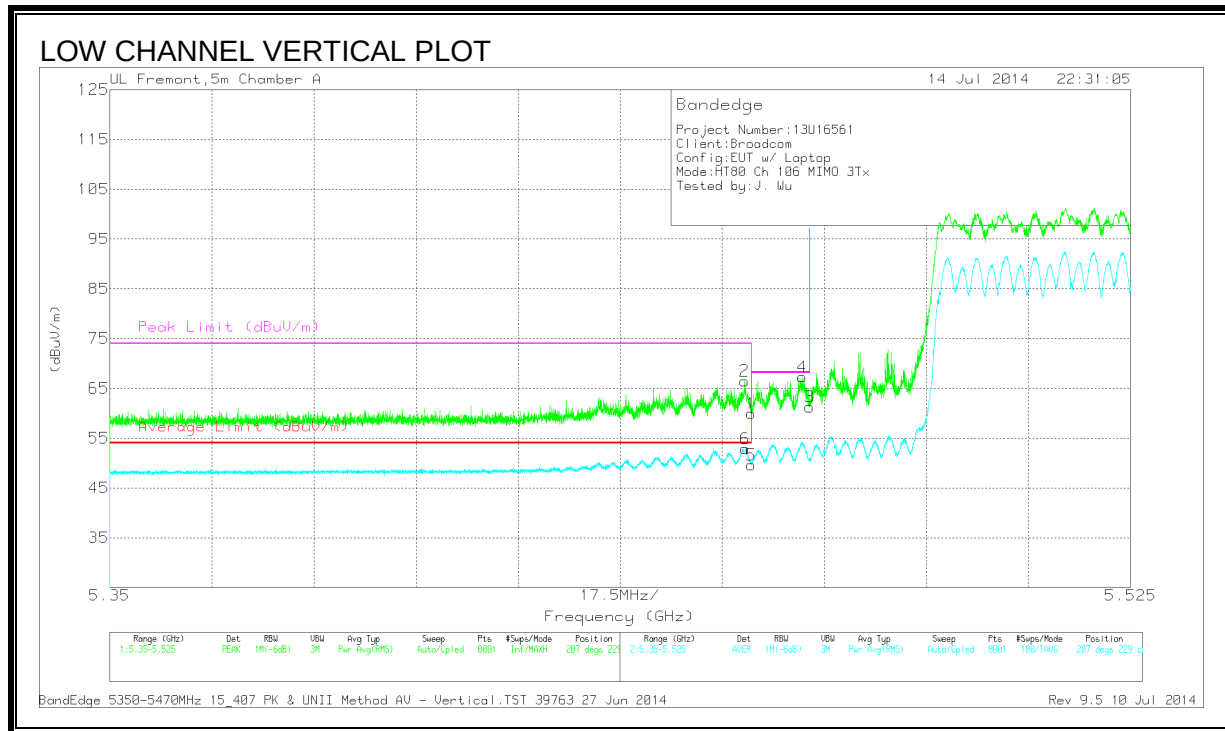


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Bypass (dB) | Pad | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------|-----|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 5.458         | 17.42                | PK  | 34.4           | 9.3         | 6   | 0            | 67.12                      | -                      | -           | 74                  | -6.88          | 211            | 208         | V        |
| 6      | * 5.458         | 3.33                 | RMS | 34.4           | 9.3         | 6   | .19          | 53.22                      | 54                     | -78         | -                   | -              | 211            | 208         | V        |
| 1      | * 5.46          | 12.63                | PK  | 34.4           | 9.3         | 6   | 0            | 62.33                      | -                      | -           | 74                  | -11.67         | 211            | 208         | V        |
| 5      | * 5.46          | .84                  | RMS | 34.4           | 9.3         | 6   | .19          | 50.73                      | 54                     | -3.27       | -                   | -              | 211            | 208         | V        |
| 4      | 5.469           | 17.93                | PK  | 34.4           | 9.3         | 6   | 0            | 67.63                      | -                      | -           | 68.2                | -57            | 211            | 208         | V        |
| 3      | 5.47            | 13.97                | PK  | 34.4           | 9.3         | 6   | 0            | 63.67                      | -                      | -           | 68.2                | -4.53          | 211            | 208         | V        |

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

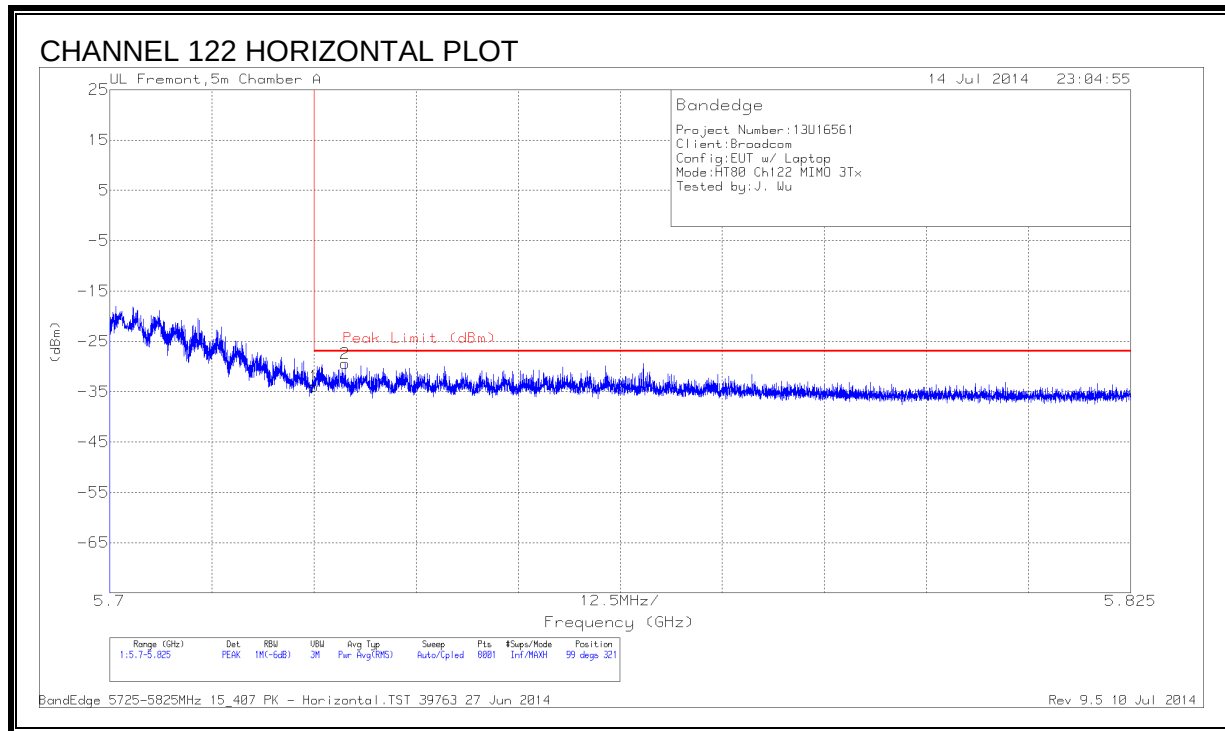


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Bypass (dB) | Pad | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------|-----|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 5.459         | 16.79                | PK  | 34.4           | 9.3         | 6   | 0            | 66.49                      | -                      | -           | 74                  | -7.51          | 207            | 229         | V        |
| 6      | * 5.459         | 3.01                 | RMS | 34.4           | 9.3         | 6   | .19          | 52.9                       | 54                     | -1.1        | -                   | -              | 207            | 229         | V        |
| 1      | * 5.46          | 10.28                | PK  | 34.4           | 9.3         | 6   | 0            | 59.98                      | -                      | -           | 74                  | -14.02         | 207            | 229         | V        |
| 5      | * 5.46          | -.28                 | RMS | 34.4           | 9.3         | 6   | .19          | 49.61                      | 54                     | -4.39       | -                   | -              | 207            | 229         | V        |
| 4      | 5.469           | 17.62                | PK  | 34.4           | 9.3         | 6   | 0            | 67.32                      | -                      | -           | 68.2                | -.88           | 207            | 229         | V        |
| 3      | 5.47            | 11.57                | PK  | 34.4           | 9.3         | 6   | 0            | 61.27                      | -                      | -           | 68.2                | -6.93          | 207            | 229         | V        |

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

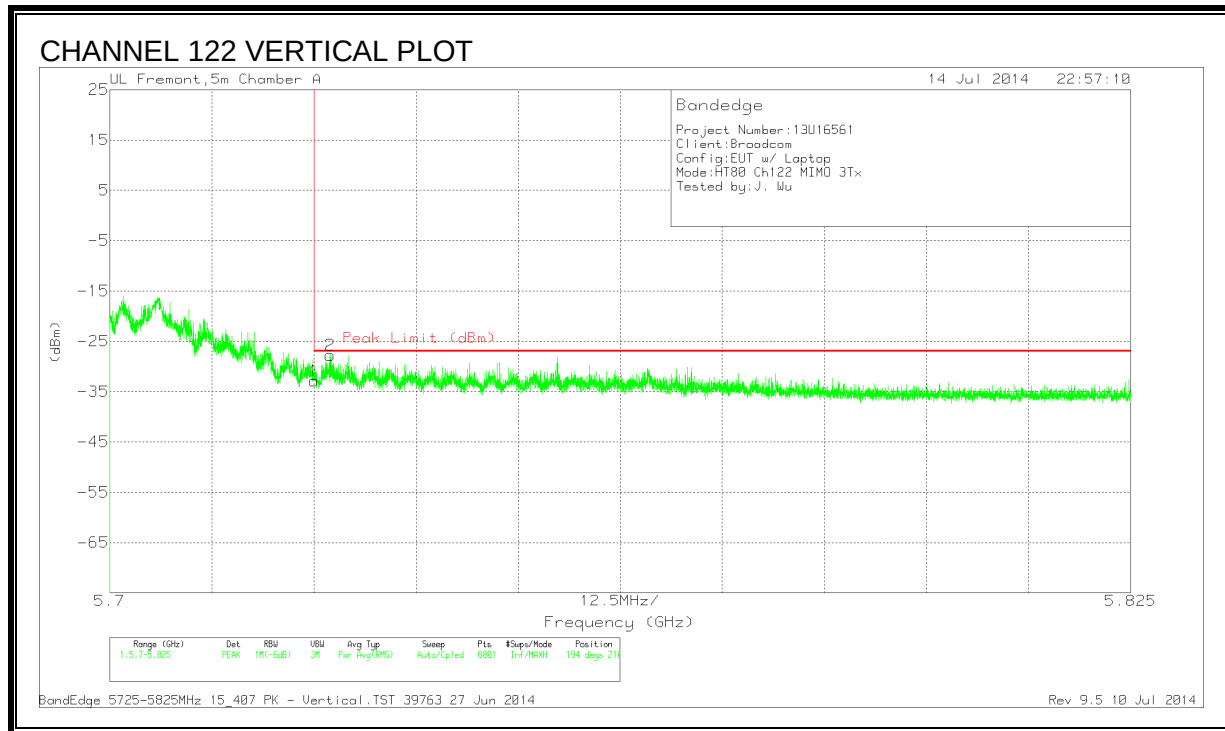
**RESTRICTED BANDEGE (CHANNEL 122)**

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Bypass (dB) | Conversion Factor (dB) | Pad | Corrected Reading (dBm) | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|-------------|------------------------|-----|-------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.725           | -95.94              | PK  | 34.6           | 9.6         | 11.8                   | 6   | -33.94                  | -27              | -6.94          | 99             | 321         | H        |
| 2      | 5.729           | -91.44              | PK  | 34.6           | 9.6         | 11.8                   | 6   | -29.44                  | -27              | -2.44          | 99             | 321         | H        |

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Bypass (dB) | Conversion Factor (dB) | Pad | Corrected Reading (dBm) | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|-------------|------------------------|-----|-------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.725           | -94.84              | PK  | 34.6           | 9.6         | 11.8                   | 6   | -32.84                  | -27              | -5.84          | 194            | 210         | V        |
| 2      | 5.727           | -89.76              | PK  | 34.6           | 9.6         | 11.8                   | 6   | -27.76                  | -27              | -.76           | 194            | 210         | V        |

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

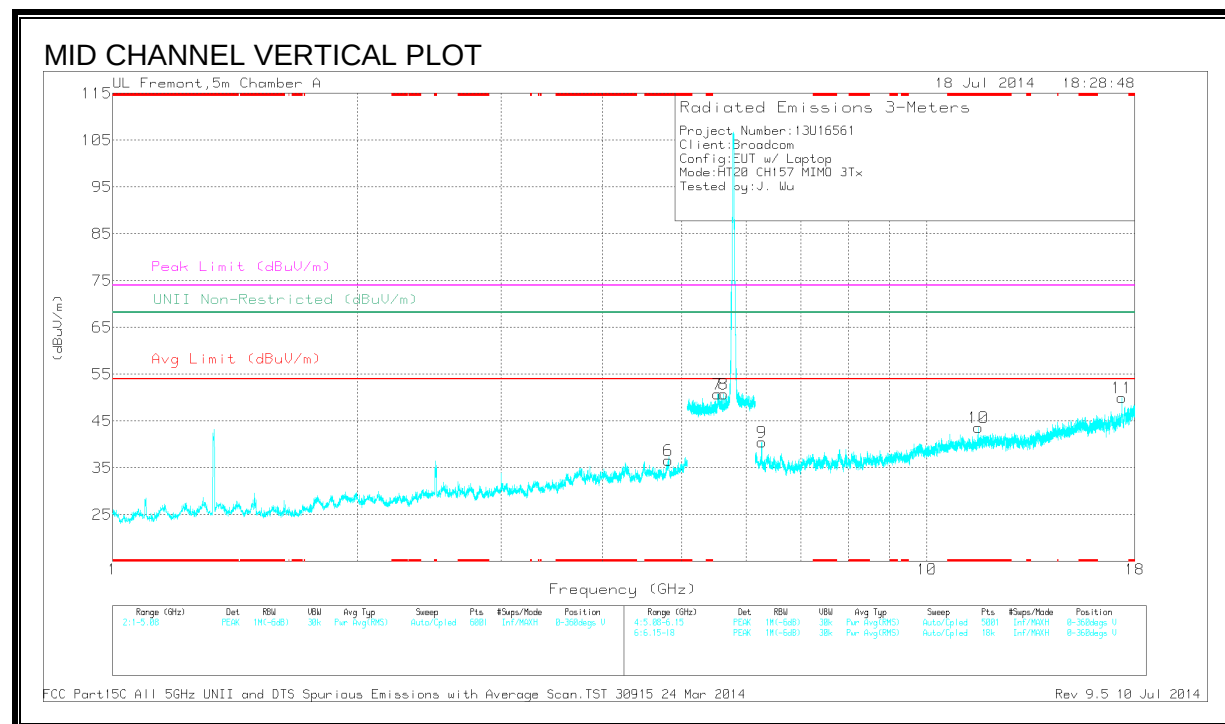
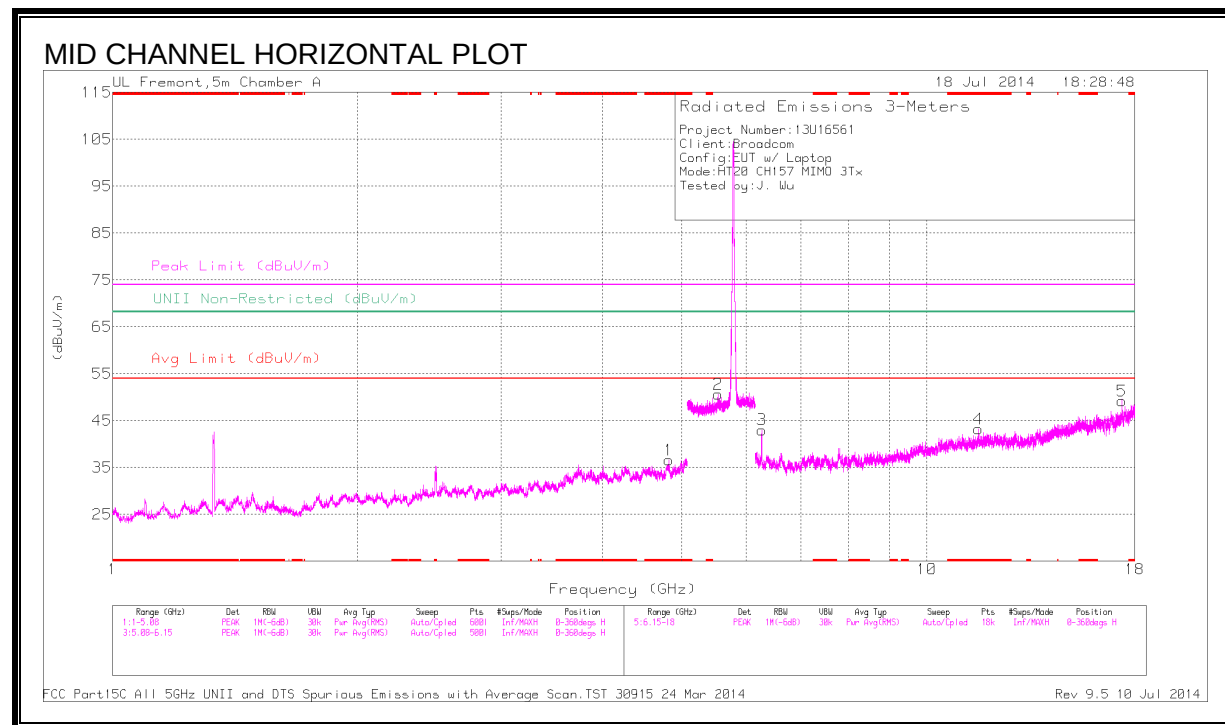
PK - Peak detector

RMS - RMS detection



## 12.2.3.5. TX ABOVE 1 GHz 802.11n HT20 CDD 3Tx MODE IN THE 5.8GHz BAND

### HARMONICS AND SPURIOUS EMISSIONS



DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/Cbl/Fitr /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      | * 4.821         | 43.49                | PK1 | 34             | -29.3                  | 48.19                      | -                  | -           | 74                  | -25.81         | -                            | -              | 173            | 338         | H        |
|        | * 4.821         | 35.84                | AD1 | 34             | -29.3                  | 40.54                      | 54                 | -13.46      | -                   | -              | -                            | -              | 173            | 338         | H        |
| 6      | * 4.814         | 39.02                | PK1 | 34             | -29                    | 44.02                      | -                  | -           | 74                  | -29.98         | -                            | -              | 210            | 351         | V        |
|        | * 4.813         | 28.49                | AD1 | 34             | -29                    | 33.49                      | 54                 | -20.51      | -                   | -              | -                            | -              | 210            | 351         | V        |
| 4      | * 11.573        | 35.45                | PK1 | 38.4           | -22.3                  | 51.55                      | -                  | -           | 74                  | -22.45         | -                            | -              | 98             | 223         | H        |
|        | * 11.568        | 25.58                | AD1 | 38.4           | -22.4                  | 41.58                      | 54                 | -12.42      | -                   | -              | -                            | -              | 98             | 223         | H        |
| 10     | * 11.567        | 35.57                | PK1 | 38.4           | -22.5                  | 51.47                      | -                  | -           | 74                  | -22.53         | -                            | -              | 96             | 397         | V        |
|        | * 11.572        | 24.54                | AD1 | 38.4           | -22.2                  | 40.74                      | 54                 | -13.26      | -                   | -              | -                            | -              | 96             | 397         | V        |
| 7      | 5.539           | 44.46                | PK1 | 34.4           | -19.7                  | 59.16                      | -                  | -           | -                   | -              | 68.2                         | -9.04          | 201            | 221         | V        |
| 2      | 5.544           | 44.3                 | PK1 | 34.4           | -19.9                  | 58.8                       | -                  | -           | -                   | -              | 68.2                         | -9.4           | 111            | 262         | H        |
| 8      | 5.629           | 44.28                | PK1 | 34.4           | -20.2                  | 58.48                      | -                  | -           | -                   | -              | 68.2                         | -9.72          | 200            | 197         | V        |
| 3      | 6.267           | 45.02                | PK1 | 35.5           | -27.8                  | 52.72                      | -                  | -           | -                   | -              | 68.2                         | -15.48         | 266            | 243         | H        |
| 9      | 6.263           | 38.87                | PK1 | 35.5           | -27.7                  | 46.67                      | -                  | -           | -                   | -              | 68.2                         | -21.53         | 190            | 180         | V        |
| 5      | 17.354          | 35.61                | PK1 | 41             | -19.3                  | 57.31                      | -                  | -           | -                   | -              | 68.2                         | -10.89         | 126            | 211         | H        |
| 11     | 17.359          | 40.22                | PK1 | 41             | -19.1                  | 62.12                      | -                  | -           | -                   | -              | 68.2                         | -6.08          | 191            | 129         | V        |

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

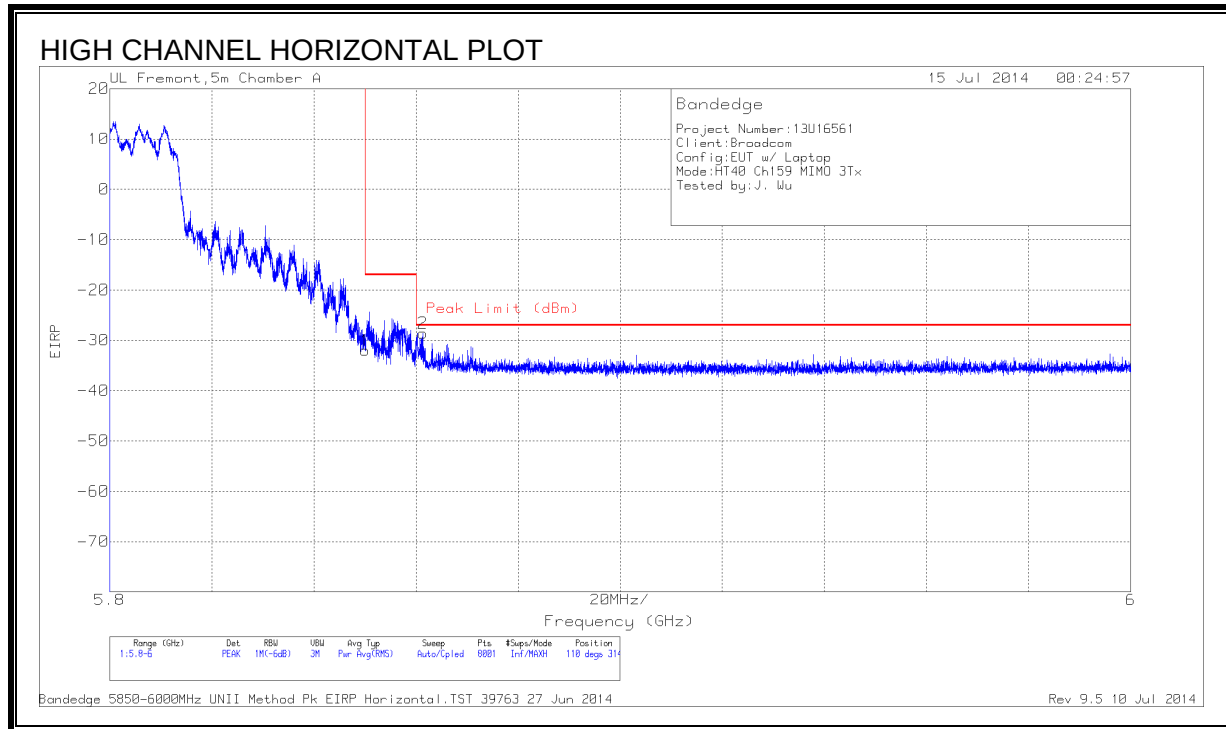
PK - Peak detector

PK1 - KDB 789033 Method: Peak

AD1 - KDB 789033 Method: AD Primary Power Average

## 12.2.3.6. TX ABOVE 1 GHz 802.11n HT40 CDD 3Tx MODE IN THE 5.8GHz BAND

### RESTRICTED BANDEDGE (HIGH CHANNEL)

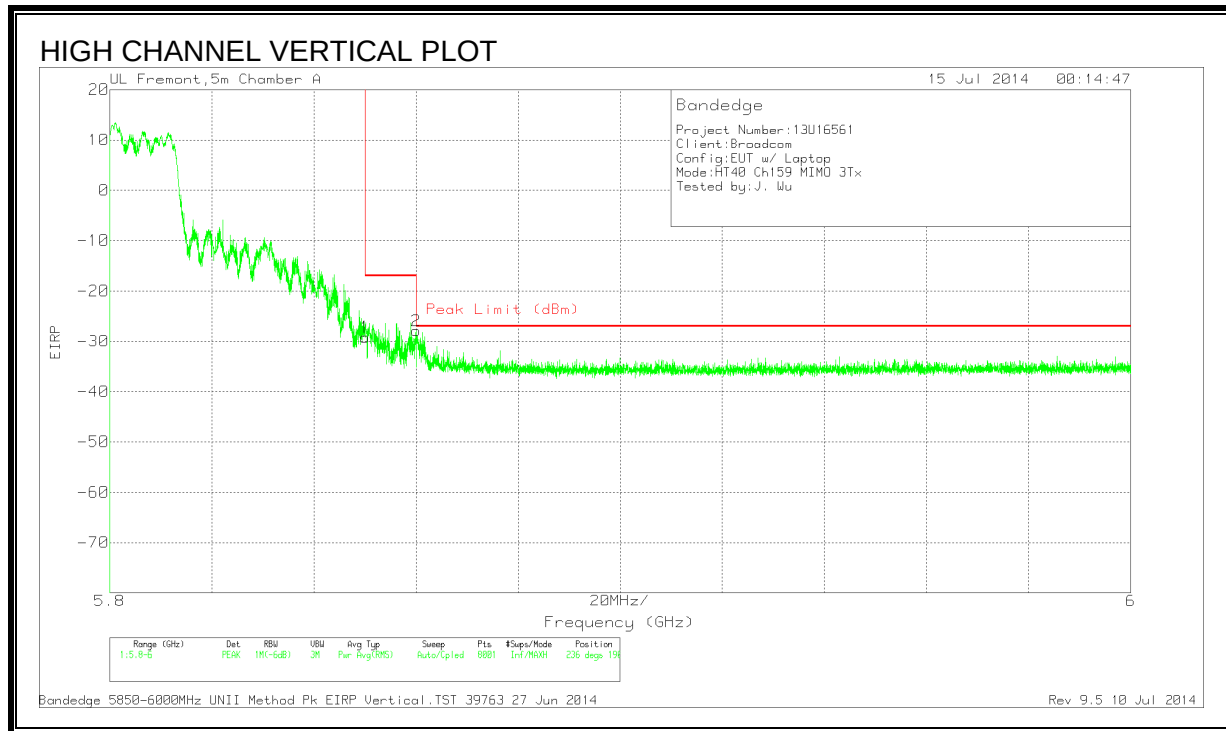


| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Bypass (dB) | Conversion Factor (dB) | Pad | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|-------------|------------------------|-----|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -94.42              | PK  | 34.9           | 9.7         | 11.8                   | 6   | -32.02                 | -17              | -15.02         | 110            | 314         | H        |
| 2      | 5.861           | -90.97              | PK  | 34.9           | 9.7         | 11.8                   | 6   | -28.57                 | -27              | -1.57          | 110            | 314         | H        |

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

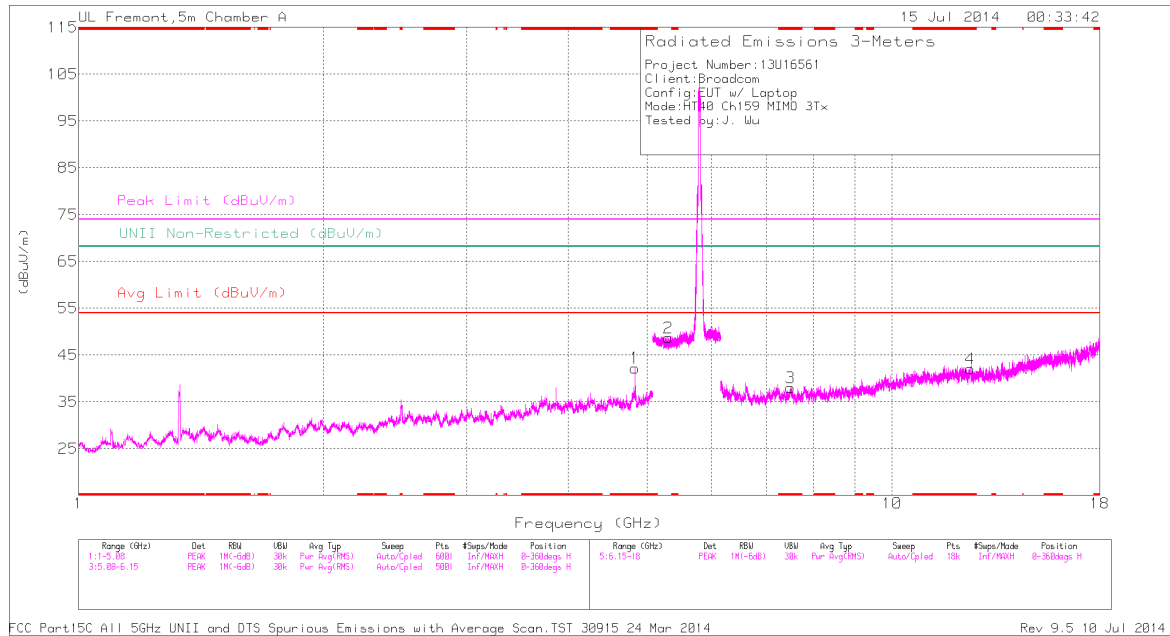
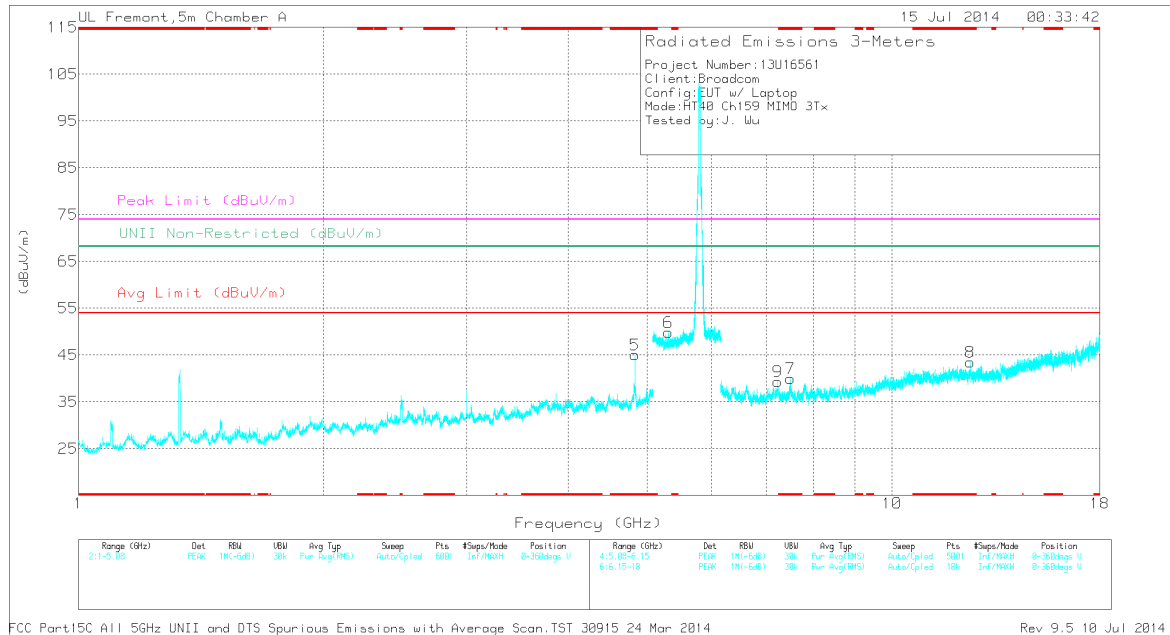


| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Bypass (dB) | Conversion Factor (dB) | Pad | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|-------------|------------------------|-----|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -91.57              | PK  | 34.9           | 9.7         | 11.8                   | 6   | -29.17                 | -17              | -12.17         | 236            | 190         | V        |
| 2      | 5.86            | -90.28              | PK  | 34.9           | 9.7         | 11.8                   | 6   | -27.88                 | -27              | -.88           | 236            | 190         | V        |

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS****HIGH CHANNEL HORIZONTAL PLOT****HIGH CHANNEL VERTICAL PLOT**

DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/Cbl/Fitr /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      | * 4.829         | 44.74                | PK1 | 34             | -29.5                  | 49.24                      | -                  | -           | 74                  | -24.76         | -                            | -              | 311            | 180         | H        |
|        | * 4.829         | 38.13                | AD1 | 34             | -29.5                  | 42.63                      | 54                 | -11.37      | -                   | -              | -                            | -              | 311            | 180         | H        |
| 5      | * 4.829         | 47.05                | PK1 | 34             | -29.5                  | 51.55                      | -                  | -           | 74                  | -22.45         | -                            | -              | 200            | 221         | V        |
|        | * 4.829         | 41.7                 | AD1 | 34             | -29.5                  | 46.2                       | 54                 | -7.8        | -                   | -              | -                            | -              | 200            | 221         | V        |
| 3      | * 7.497         | 35.64                | PK1 | 35.3           | -25                    | 45.94                      | -                  | -           | 74                  | -28.06         | -                            | -              | 177            | 281         | H        |
|        | * 7.496         | 24.22                | AD1 | 35.3           | -25                    | 34.52                      | 54                 | -19.48      | -                   | -              | -                            | -              | 177            | 281         | H        |
| 4      | * 12.476        | 33.57                | PK1 | 38.9           | -22.2                  | 50.27                      | -                  | -           | 74                  | -23.73         | -                            | -              | 10             | 229         | H        |
|        | * 12.477        | 21.89                | AD1 | 38.9           | -22.2                  | 38.59                      | 54                 | -15.41      | -                   | -              | -                            | -              | 10             | 229         | H        |
| 7      | * 7.498         | 39.76                | PK1 | 35.3           | -25                    | 50.06                      | -                  | -           | 74                  | -23.94         | -                            | -              | 76             | 215         | V        |
|        | * 7.498         | 26.47                | AD1 | 35.3           | -25                    | 36.77                      | 54                 | -17.23      | -                   | -              | -                            | -              | 76             | 215         | V        |
| 8      | * 12.474        | 33.13                | PK1 | 38.9           | -22.1                  | 49.93                      | -                  | -           | 74                  | -24.07         | -                            | -              | 85             | 202         | V        |
|        | * 12.474        | 21.85                | AD1 | 38.9           | -22.1                  | 38.65                      | 54                 | -15.35      | -                   | -              | -                            | -              | 85             | 202         | V        |
| 2      | 5.312           | 42.52                | PK1 | 34.3           | -19.7                  | 57.12                      | -                  | -           | -                   | -              | 68.2                         | -11.08         | 319            | 210         | H        |
| 6      | 5.31            | 42.67                | PK1 | 34.3           | -19.8                  | 57.17                      | -                  | -           | -                   | -              | 68.2                         | -11.03         | 213            | 211         | V        |
| 9      | 7.234           | 35.8                 | PK1 | 35.2           | -25.1                  | 45.9                       | -                  | -           | -                   | -              | 68.2                         | -22.3          | 305            | 100         | V        |

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

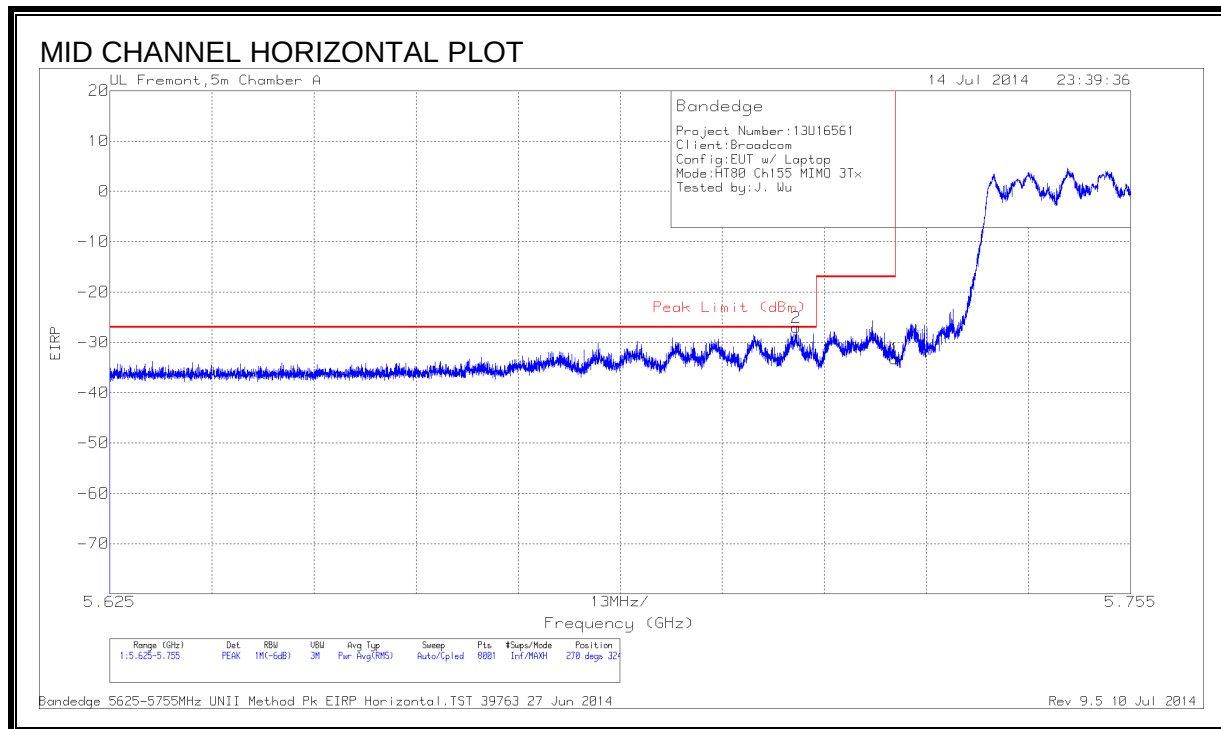
PK - Peak detector

PK1 - KDB 789033 Method: Peak

AD1 - KDB 789033 Method: AD Primary Power Average

## 12.2.3.7. TX ABOVE 1 GHz 802.11ac VHT80 CDD 3Tx MODE IN THE 5.8GHz BAND

### RESTRICTED BANDEDGE (LOW EDGE)

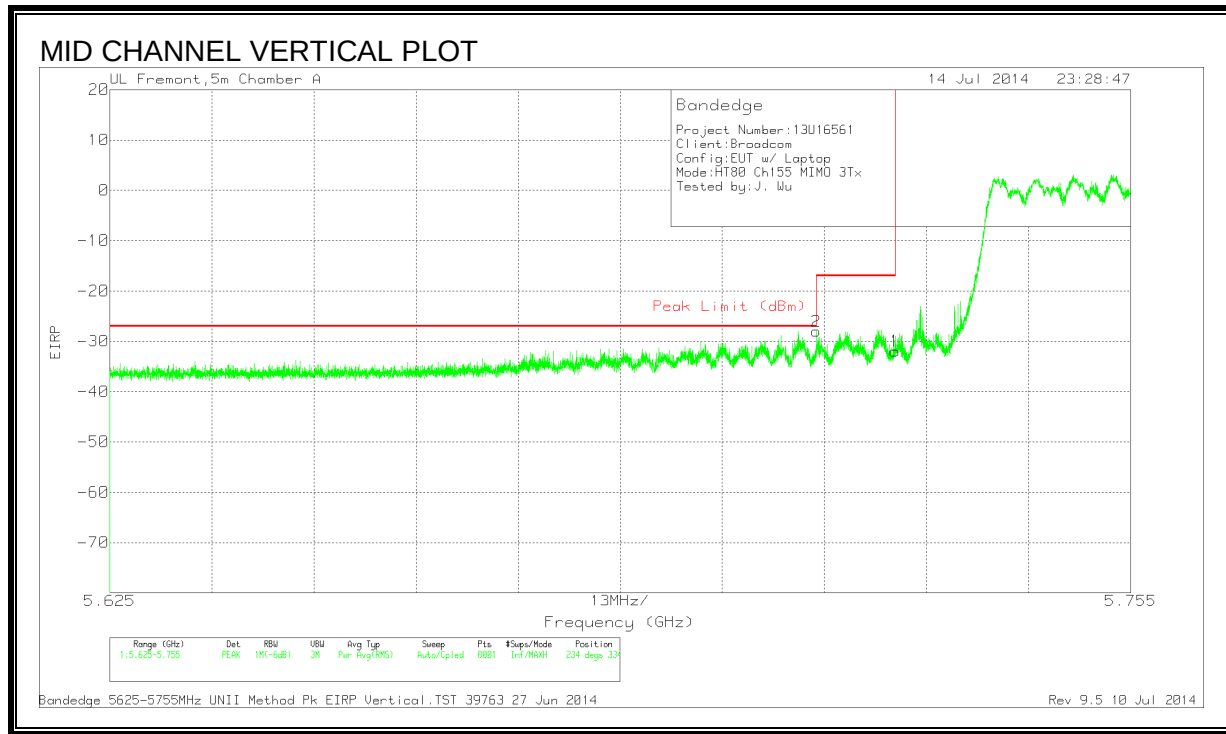


| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Bypass (dB) | Conversion Factor (dB) | Pad | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|-------------|------------------------|-----|------------------------|------------------|----------------|----------------|-------------|----------|
| 2      | 5.712           | -88.87              | PK  | 34.5           | 9.5         | 11.8                   | 6   | -27.07                 | -27              | -.07           | 270            | 324         | H        |
| 1      | 5.725           | -95.26              | PK  | 34.6           | 9.6         | 11.8                   | 6   | -33.26                 | -17              | -16.26         | 270            | 324         | H        |

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection



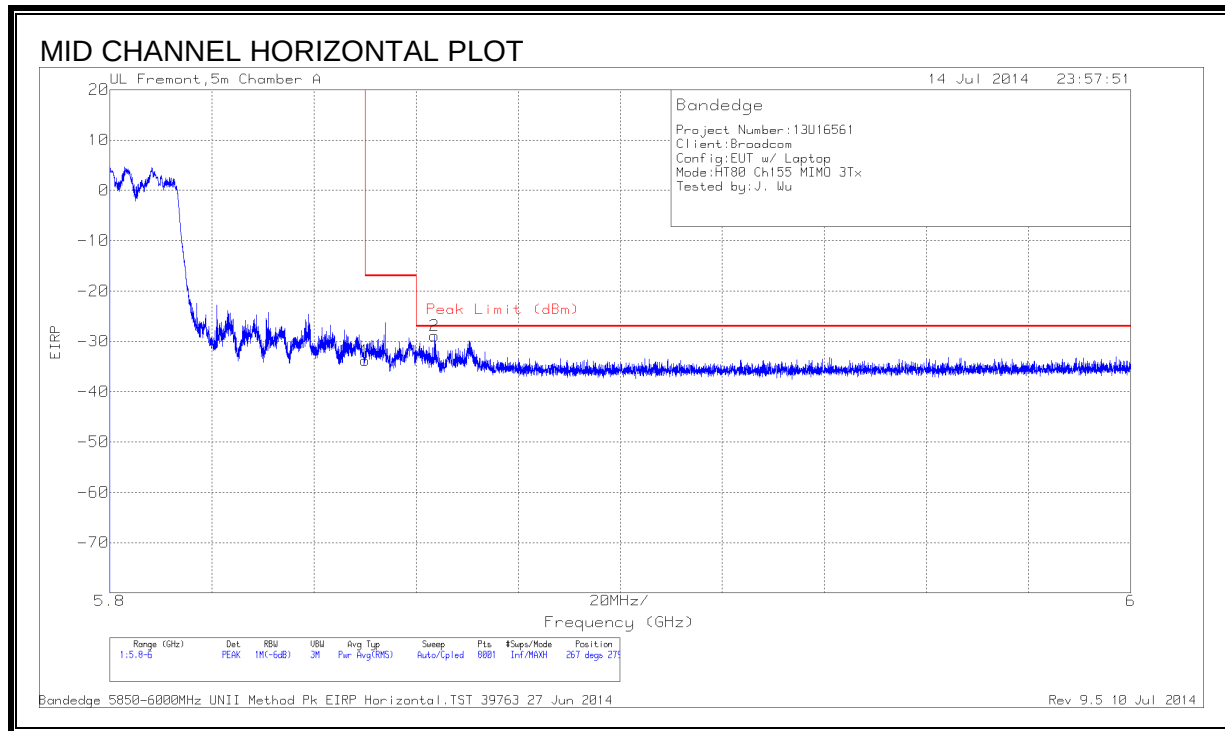
| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Bypass (dB) | Conversion Factor (dB) | Pad | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|-------------|------------------------|-----|------------------------|------------------|----------------|----------------|-------------|----------|
| 2      | 5.715           | -89.91              | PK  | 34.6           | 9.5         | 11.8                   | 6   | -28.01                 | -27              | -1.01          | 234            | 334         | V        |
| 1      | 5.725           | -93.96              | PK  | 34.6           | 9.6         | 11.8                   | 6   | -31.96                 | -17              | -14.96         | 234            | 334         | V        |

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection



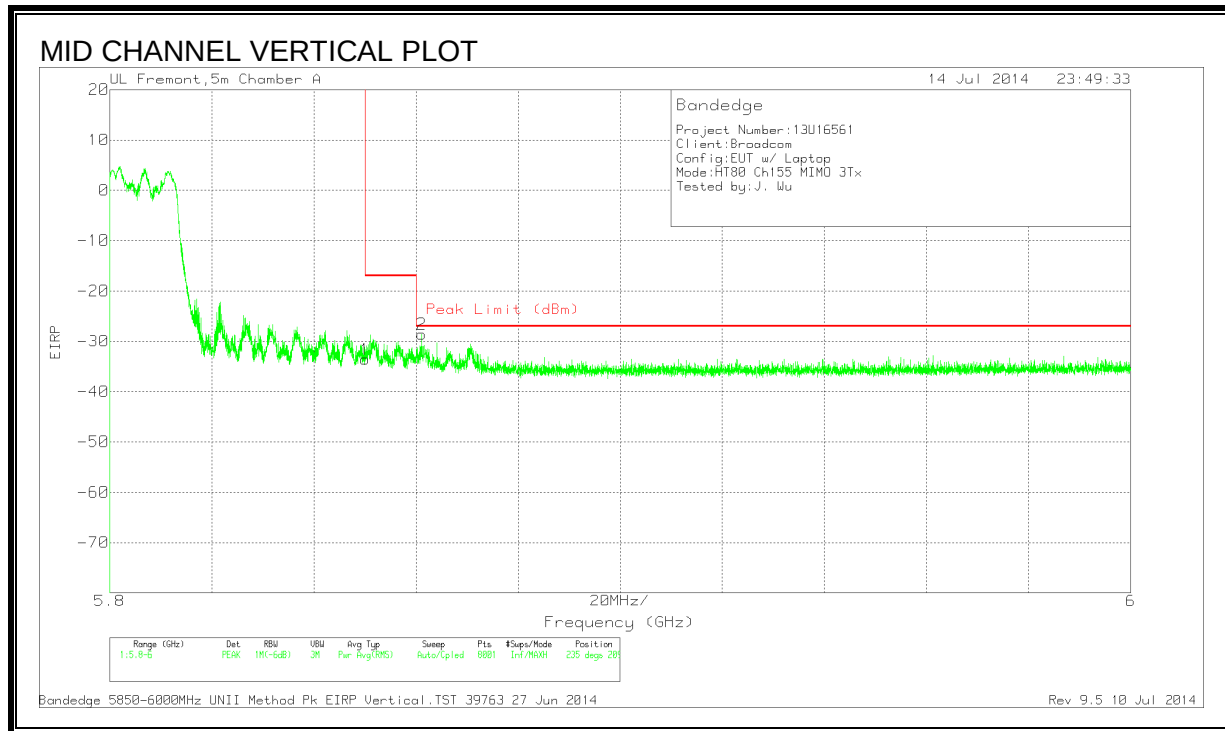
**RESTRICTED BANDEDGE (HIGH EDGE)**

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Bypass (dB) | Conversion Factor (dB) | Pad | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|-------------|------------------------|-----|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -96.23              | PK  | 34.9           | 9.7         | 11.8                   | 6   | -33.83                 | -17              | -16.83         | 267            | 279         | H        |
| 2      | 5.864           | -91.3               | PK  | 34.9           | 9.7         | 11.8                   | 6   | -28.9                  | -27              | -1.9           | 267            | 279         | H        |

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Bypass (dB) | Conversion Factor (dB) | Pad | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|-------------|------------------------|-----|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -95.96              | PK  | 34.9           | 9.7         | 11.8                   | 6   | -33.56                 | -17              | -16.56         | 235            | 209         | V        |
| 2      | 5.861           | -90.99              | PK  | 34.9           | 9.7         | 11.8                   | 6   | -28.59                 | -27              | -1.59          | 235            | 209         | V        |

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

**END OF REPORT**