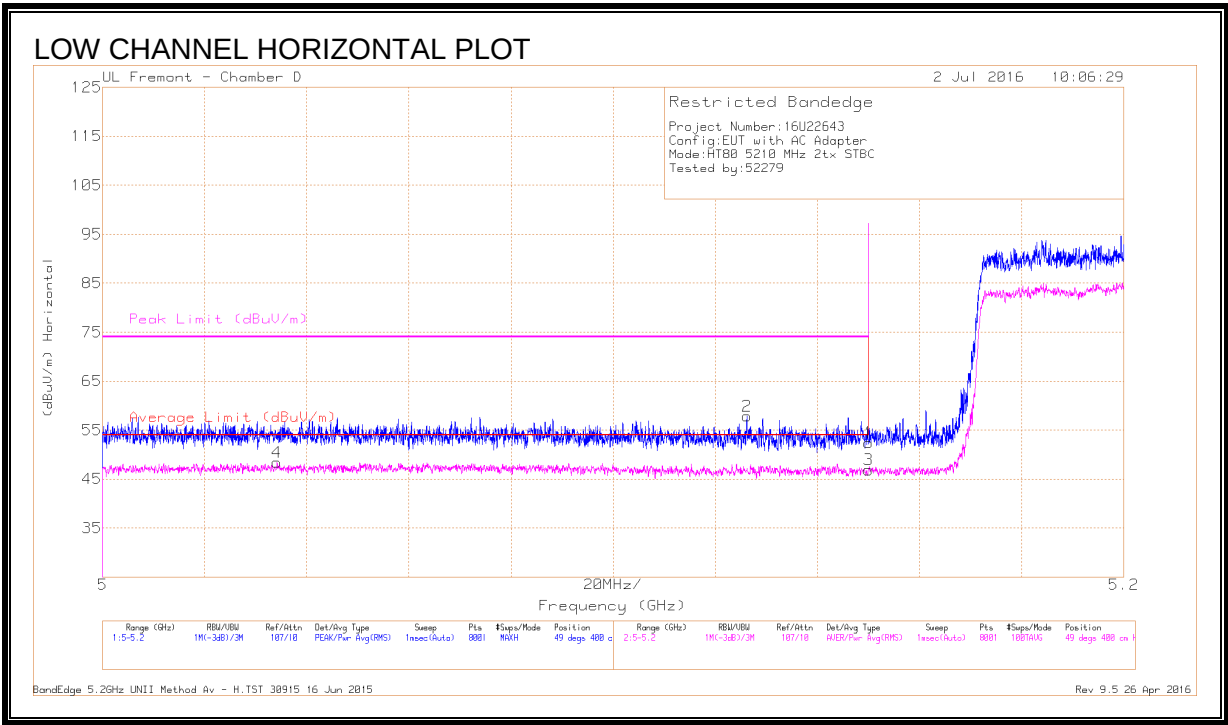


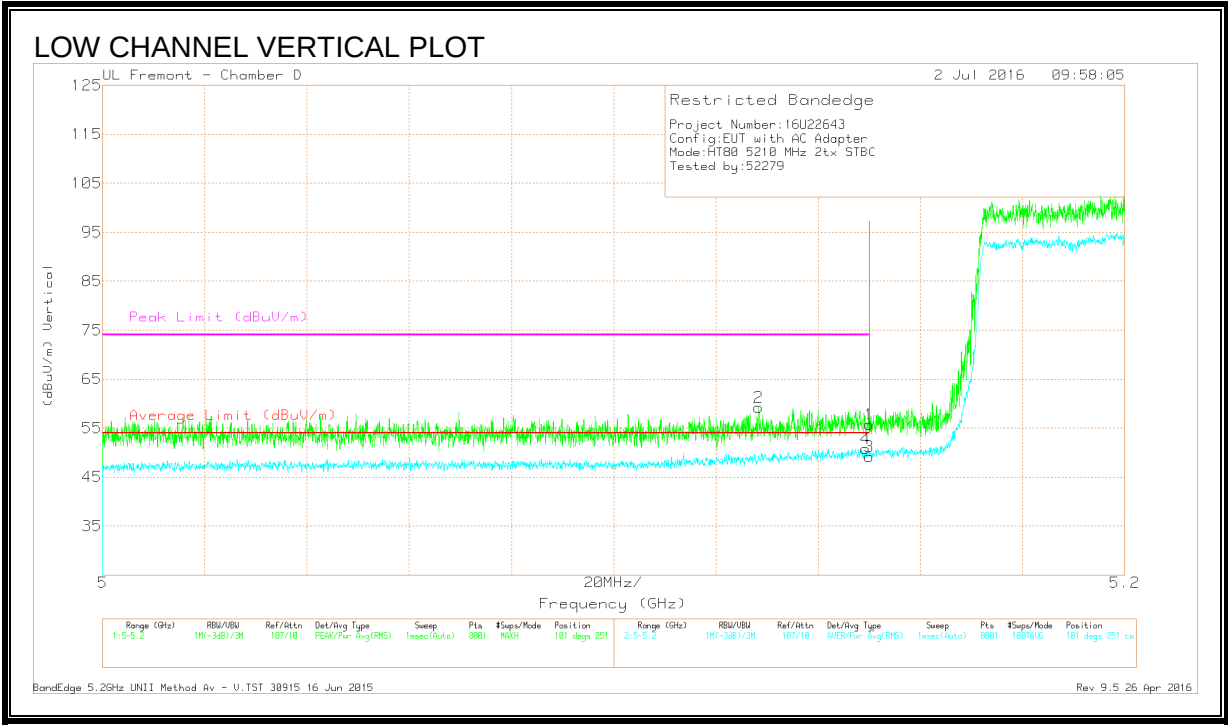
9.12. 802.11ac VHT80 2Tx STBC MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL, CH 42)



DATA

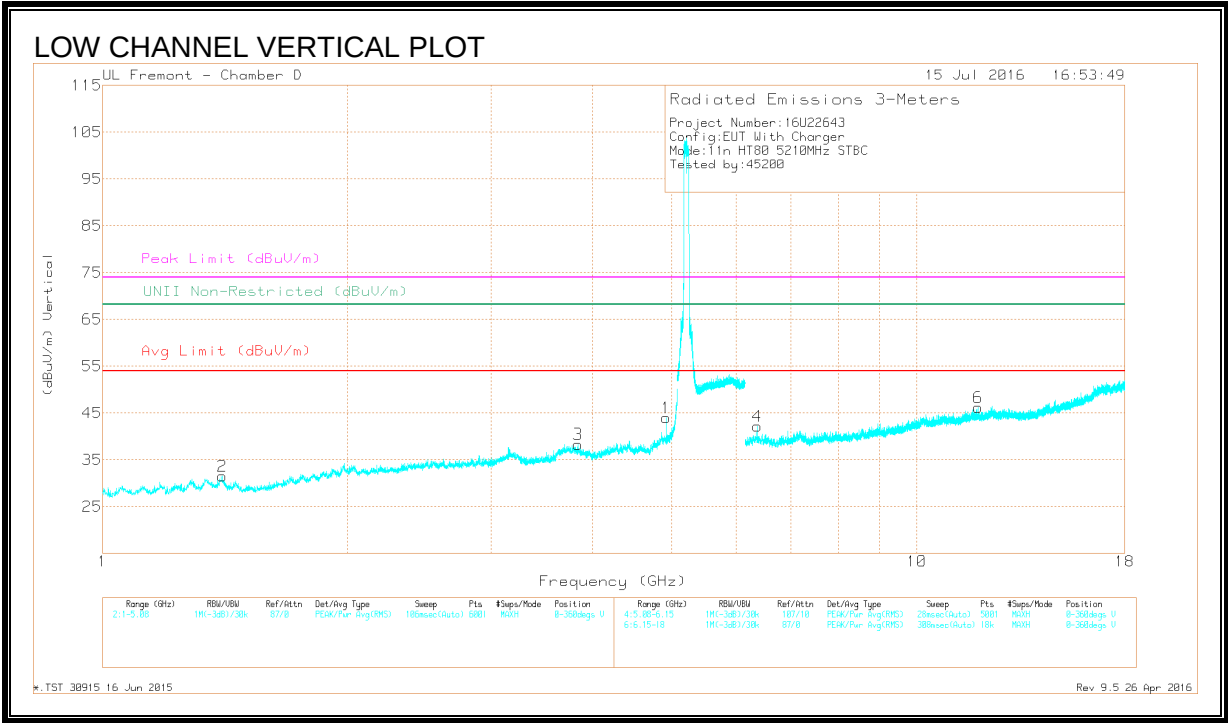
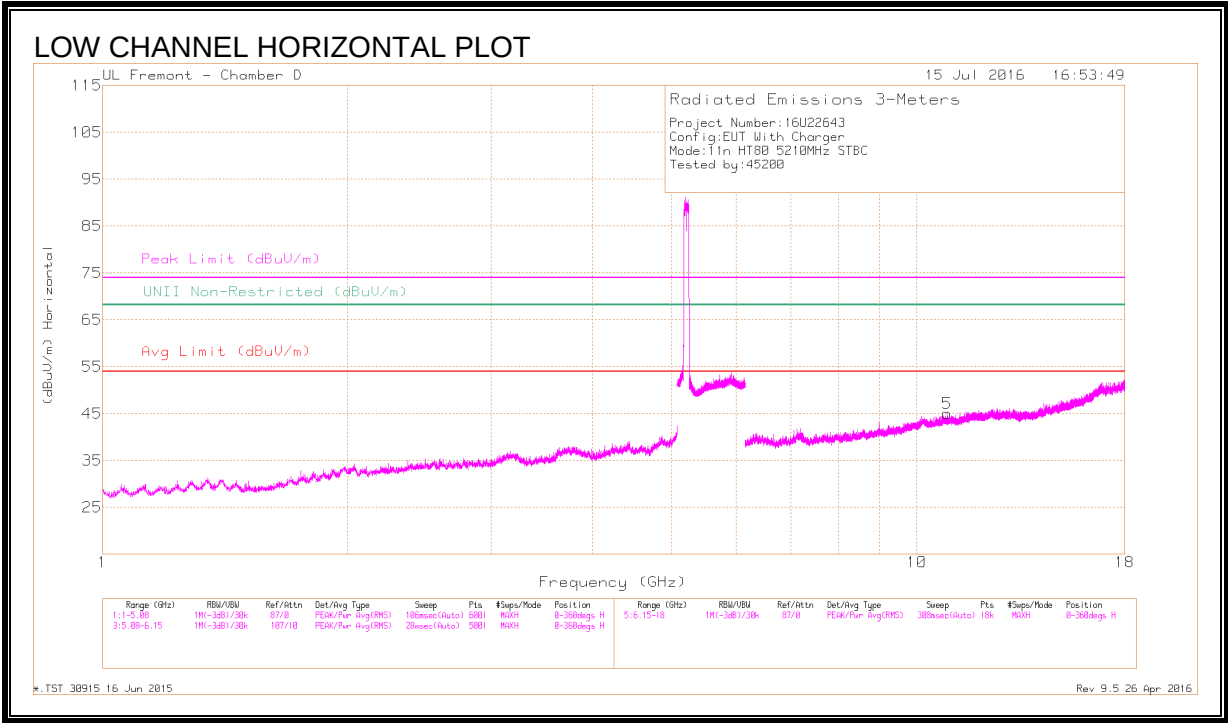
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/Cbl/Filtr /Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Marg in (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimu th (Degs) | Heig ht (cm) | Polari ty |
|--------|-----------------|----------------------|-----|----------------|-------------------------|--------------|----------------------------|------------------------|--------------|---------------------|----------------|-----------------|--------------|-----------|
| 2      | * 5.126         | 41.98                | Pk  | 34.1           | -18.2                   | 0            | 57.88                      | -                      | -            | 74                  | -16.12         | 49              | 400          | H         |
| 4      | * 5.034         | 32.33                | RMS | 34             | -17.9                   | .21          | 48.64                      | 54                     | -5.36        | -                   | -              | 49              | 400          | H         |
| 1      | 5.15            | 36.56                | Pk  | 34.1           | -18.2                   | 0            | 52.46                      | -                      | -            | 74                  | -21.54         | 49              | 400          | H         |
| 3      | 5.15            | 30.98                | RMS | 34.1           | -18.2                   | .21          | 47.09                      | 54                     | -6.91        | -                   | -              | 49              | 400          | H         |



DATA

| Mark<br>er | Frequ<br>ncy<br>(GHz) | Meter<br>Readi<br>ng<br>(dBuV<br>) | Det | AF<br>T712<br>(dB/m<br>) | Amp/Cbl/Fi<br>tr/Pad (dB) | DC<br>Corr<br>(dB) | Corrected<br>Reading<br>(dBuV/m) | Averag<br>e Limit<br>(dBuV/<br>m) | Marg<br>in<br>(dB) | Peak Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimu<br>th<br>(Degs) | Heig<br>ht<br>(cm) | Polari<br>ty |
|------------|-----------------------|------------------------------------|-----|--------------------------|---------------------------|--------------------|----------------------------------|-----------------------------------|--------------------|------------------------|----------------------|-----------------------|--------------------|--------------|
| 2          | * 5.128               | 43.35                              | Pk  | 34.1                     | -18.2                     | 0                  | 59.25                            | -                                 | -                  | 74                     | -14.75               | 101                   | 251                | V            |
| 4          | * 5.149               | 34.9                               | RMS | 34.1                     | -18.2                     | .21                | 51.09                            | 54                                | -2.99              | -                      | -                    | 101                   | 251                | V            |
| 1          | 5.15                  | 39.9                               | Pk  | 34.1                     | -18.2                     | 0                  | 55.8                             | -                                 | -                  | 74                     | -18.2                | 101                   | 251                | V            |
| 3          | 5.15                  | 33.28                              | RMS | 34.1                     | -18.2                     | .21                | 49.39                            | 54                                | -4.61              | -                      | -                    | 101                   | 251                | V            |

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



# DATA

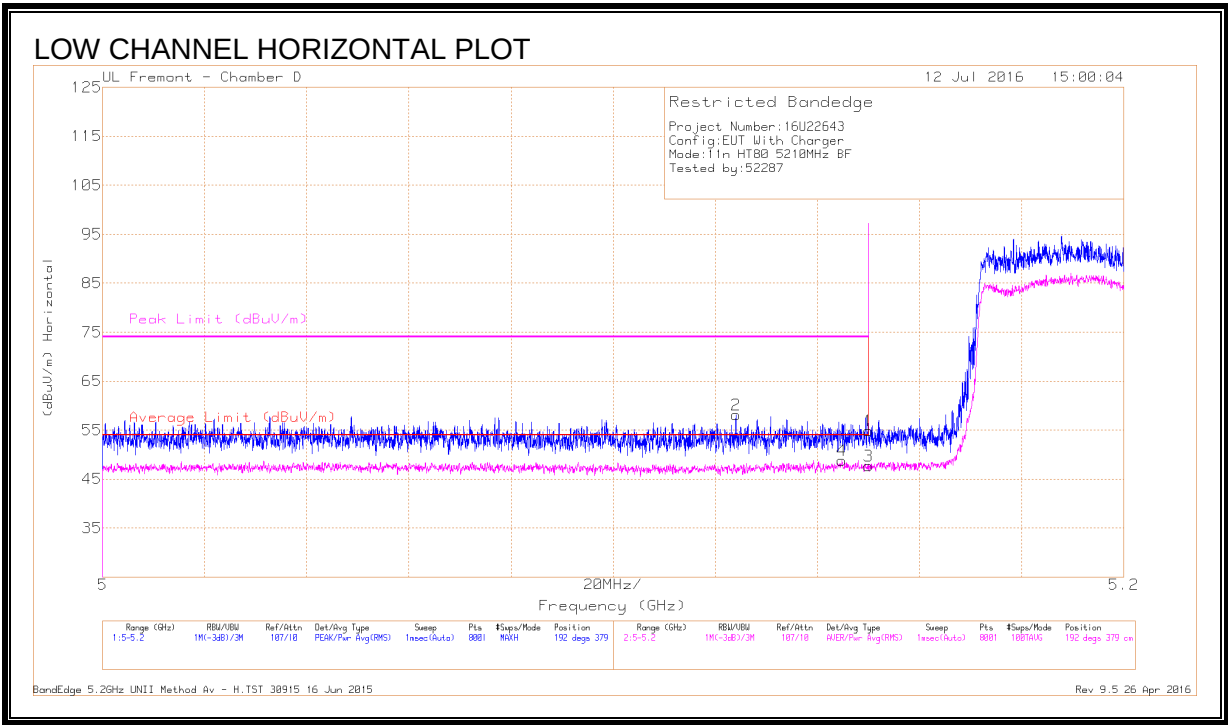
| Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (dB/m) | Amp/ Cbl/Fit r/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degrees) | Height (cm) | Polarity |
|-----------------|----------------------|------|----------------|-------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|-------------------|-------------|----------|
| * 4.92          | 41.17                | PK-U | 34.1           | -26.3                   | 0            | 48.97                      | -                  | -           | 74                  | -25.03         | -                            | -              | 283               | 225         | V        |
| * 4.921         | 32.08                | ADR  | 34.1           | -26.3                   | .21          | 40.09                      | 54                 | -13.91      | -                   | -              | -                            | -              | 283               | 225         | V        |
| * 1.404         | 41.34                | PK-U | 28.9           | -31.2                   | 0            | 39.04                      | -                  | -           | 74                  | -34.96         | -                            | -              | 99                | 312         | V        |
| * 1.404         | 29.33                | ADR  | 28.9           | -31.2                   | .21          | 27.24                      | 54                 | -26.76      | -                   | -              | -                            | -              | 99                | 312         | V        |
| * 3.834         | 37.6                 | PK-U | 33.5           | -28.5                   | 0            | 42.6                       | -                  | -           | 74                  | -31.4          | -                            | -              | 353               | 302         | V        |
| * 3.833         | 27.26                | ADR  | 33.5           | -28.5                   | .21          | 32.47                      | 54                 | -21.53      | -                   | -              | -                            | -              | 353               | 302         | V        |
| * 10.882        | 33.52                | PK-U | 38             | -21.1                   | 0            | 50.42                      | -                  | -           | 74                  | -23.58         | -                            | -              | 227               | 355         | H        |
| * 10.884        | 22.9                 | ADR  | 38             | -21.1                   | .21          | 40.01                      | 54                 | -13.99      | -                   | -              | -                            | -              | 227               | 355         | H        |
| * 11.899        | 34.34                | PK-U | 38.8           | -21.2                   | 0            | 51.94                      | -                  | -           | 74                  | -22.06         | -                            | -              | 183               | 377         | V        |
| * 11.9          | 23.33                | ADR  | 38.8           | -21.2                   | .21          | 41.14                      | 54                 | -12.86      | -                   | -              | -                            | -              | 183               | 377         | V        |
| 6.368           | 37.93                | PK-U | 35.7           | -25.7                   | 0            | 47.93                      | -                  | -           | -                   | -              | 68.2                         | -20.27         | 260               | 188         | V        |

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

PK-U - U-NII: Maximum Peak

9.13. 802.11ac VHT80 2Tx BEAM FORMING MODE IN THE 5.2 GHz BAND

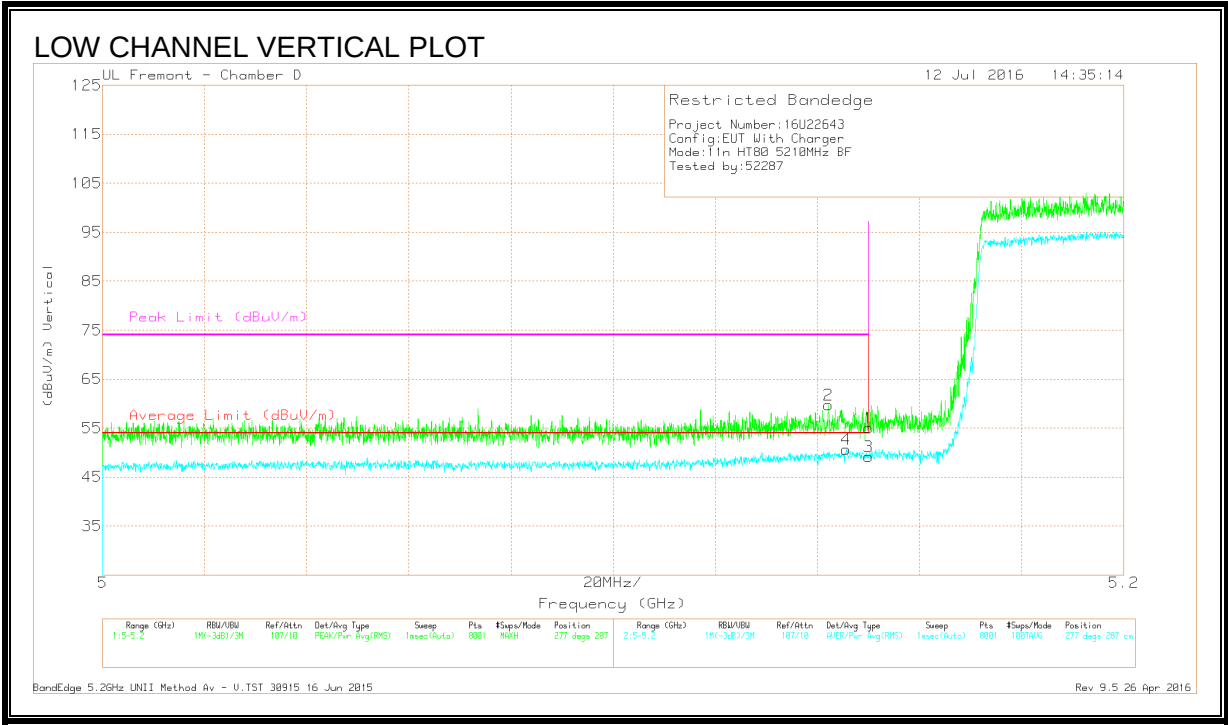
RESTRICTED BANDEDGE (LOW CHANNEL, CH 42)



DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | 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 |
|--------|-----------------|----------------------|-----|----------------|------------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 5.124         | 42.25                | Pk  | 34.1           | -18.2                  | 0            | 58.15                      | -                      | -           | 74                  | -15.85         | 192            | 379         | H        |
| 4      | * 5.145         | 32.75                | RMS | 34.1           | -18.2                  | .33          | 48.98                      | 54                     | -5.02       | -                   | -              | 192            | 379         | H        |
| 1      | 5.15            | 38.99                | Pk  | 34.1           | -18.2                  | 0            | 54.89                      | -                      | -           | 74                  | -19.11         | 192            | 379         | H        |
| 3      | 5.15            | 31.58                | RMS | 34.1           | -18.2                  | .33          | 47.81                      | 54                     | -6.19       | -                   | -              | 192            | 379         | H        |

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



DATA

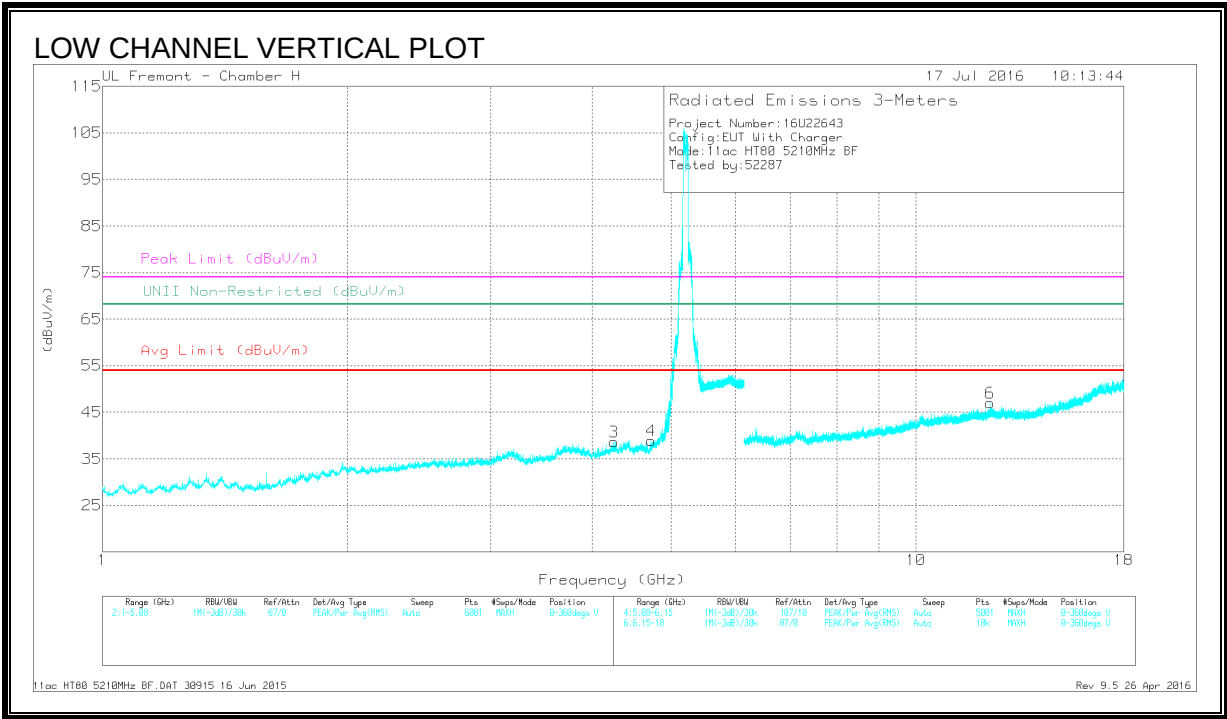
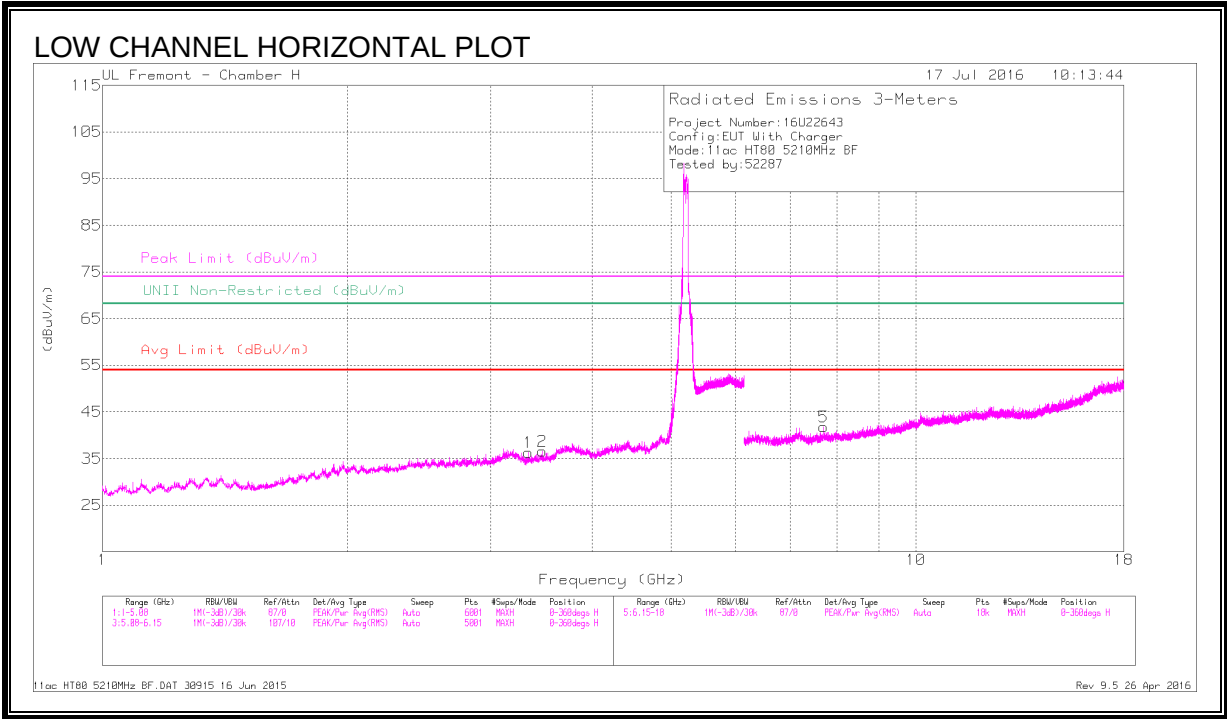
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degrees) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|-------------------|-------------|----------|
| 2      | * 5.142         | 43.87                | Pk  | 34.1           | -18.2                  | 0            | 59.77                      | -                      | -           | 74                  | -14.23         | 277               | 287         | V        |
| 4      | * 5.146         | 34.63                | RMS | 34.1           | -18.2                  | .33          | 50.86                      | 54                     | -3.14       | -                   | -              | 277               | 287         | V        |
| 1      | 5.15            | 39.1                 | Pk  | 34.1           | -18.2                  | 0            | 55                         | -                      | -           | 74                  | -19            | 277               | 287         | V        |
| 3      | 5.15            | 33.11                | RMS | 34.1           | -18.2                  | .33          | 49.34                      | 54                     | -4.66       | -                   | -              | 277               | 287         | V        |

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

Pk - Peak detector

RMS - RMS detection

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



# DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (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 (Degrees) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|-------------------|-------------|----------|
| 1      | * 3.339         | 39.34                | PK-U | 32.8           | -29.4                   | 0            | 42.74                      | -                  | -           | 74                  | -31.26         | -                            | -              | 184               | 170         | H        |
|        | * 3.338         | 27.54                | ADR  | 32.8           | -29.4                   | .33          | 31.27                      | 54                 | -22.73      | -                   | -              | -                            | -              | 184               | 170         | H        |
| 3      | * 4.253         | 37.02                | PK-U | 33.5           | -27.4                   | 0            | 43.12                      | -                  | -           | 74                  | -30.88         | -                            | -              | 55                | 258         | V        |
|        | * 4.256         | 26.33                | ADR  | 33.5           | -27.4                   | .33          | 32.76                      | 54                 | -21.24      | -                   | -              | -                            | -              | 55                | 258         | V        |
| 4      | * 4.721         | 38.39                | PK-U | 34             | -27.7                   | 0            | 44.69                      | -                  | -           | 74                  | -29.31         | -                            | -              | 208               | 101         | V        |
|        | * 4.723         | 27.79                | ADR  | 34             | -27.6                   | .33          | 34.52                      | 54                 | -19.48      | -                   | -              | -                            | -              | 208               | 101         | V        |
| 5      | * 7.701         | 35.6                 | PK-U | 35.8           | -24.2                   | 0            | 47.2                       | -                  | -           | 74                  | -26.8          | -                            | -              | 43                | 334         | H        |
|        | * 7.703         | 24.93                | ADR  | 35.8           | -24.2                   | .33          | 36.86                      | 54                 | -17.14      | -                   | -              | -                            | -              | 43                | 334         | H        |
| 6      | * 12.319        | 34.11                | PK-U | 39             | -21.1                   | 0            | 52.01                      | -                  | -           | 74                  | -21.99         | -                            | -              | 141               | 211         | V        |
|        | * 12.317        | 23.44                | ADR  | 39             | -21.2                   | .33          | 41.57                      | 54                 | -12.43      | -                   | -              | -                            | -              | 141               | 211         | V        |
| 2      | 3.472           | 27.21                | ADR  | 33             | -28.6                   | 0            | 31.79                      | -                  | -           | -                   | -              | -                            | -              | 272               | 398         | H        |
|        | 3.473           | 38.37                | PK-U | 33             | -28.6                   | 0            | 42.77                      | -                  | -           | -                   | -              | 68.2                         | -25.43         | 272               | 398         | H        |

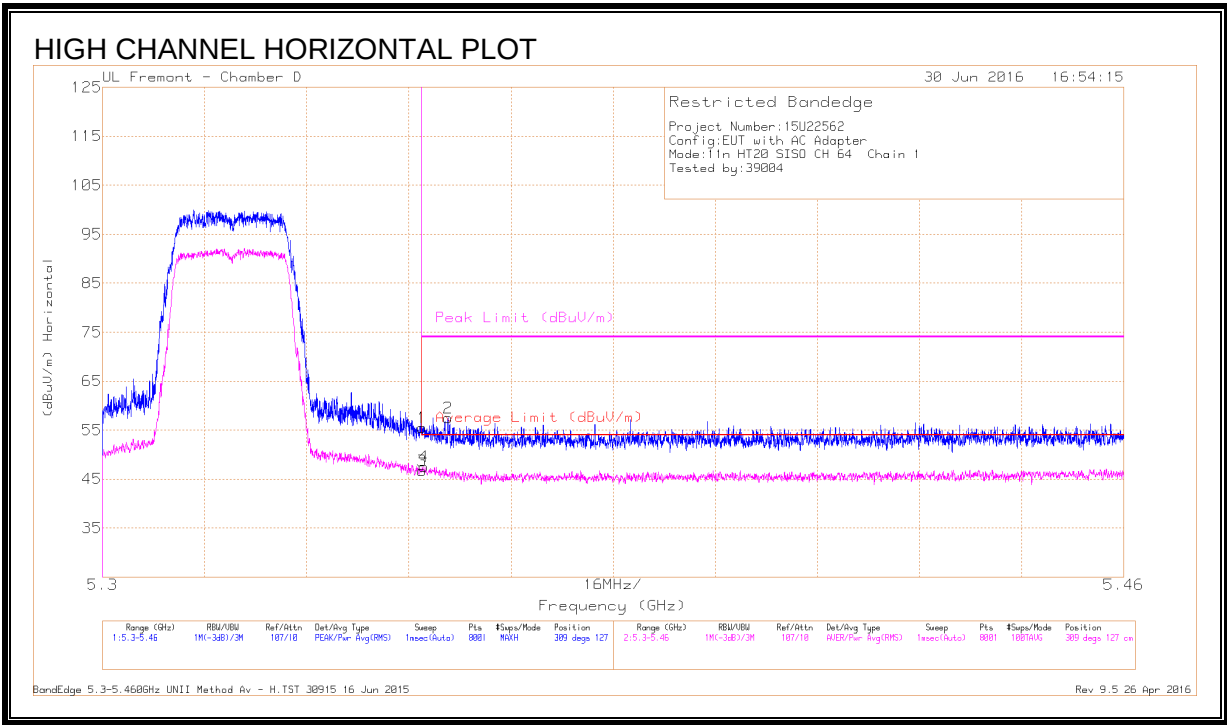
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.14. 802.11n HT20 1Tx MODE IN THE 5.3 GHz BAND

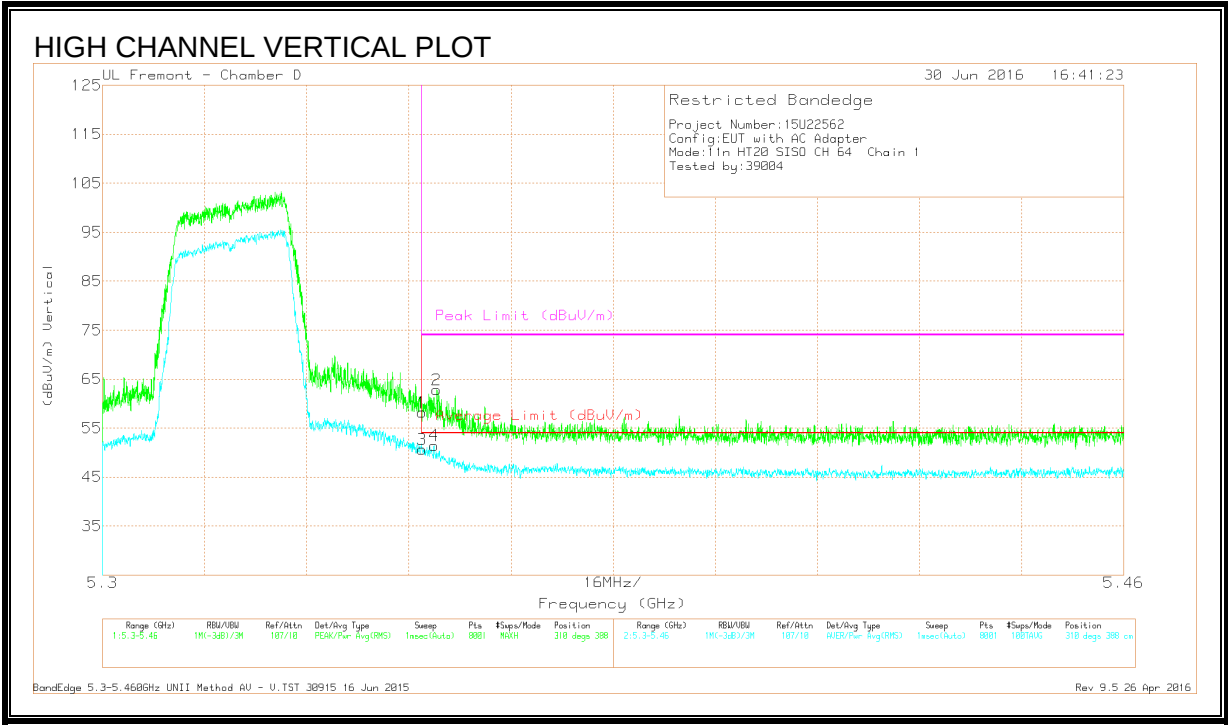
RESTRICTED BANDEDGE, CHAIN 0 (HIGH CHANNEL)



DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (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 (Degrees) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|-------------------|-------------|----------|
| 1      | * 5.35          | 39.44                | Pk  | 34.3           | -18.2                  | 55.54                      | -                      | -           | 74                  | -18.46         | 309               | 127         | H        |
| 3      | * 5.35          | 30.59                | RMS | 34.3           | -18.2                  | 46.69                      | 54                     | -7.31       | -                   | -              | 309               | 127         | H        |
| 4      | * 5.35          | 31.49                | RMS | 34.3           | -18.2                  | 47.59                      | 54                     | -6.41       | -                   | -              | 309               | 127         | H        |
| 2      | * 5.354         | 41.44                | Pk  | 34.3           | -18.2                  | 57.54                      | -                      | -           | 74                  | -16.46         | 309               | 127         | H        |

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

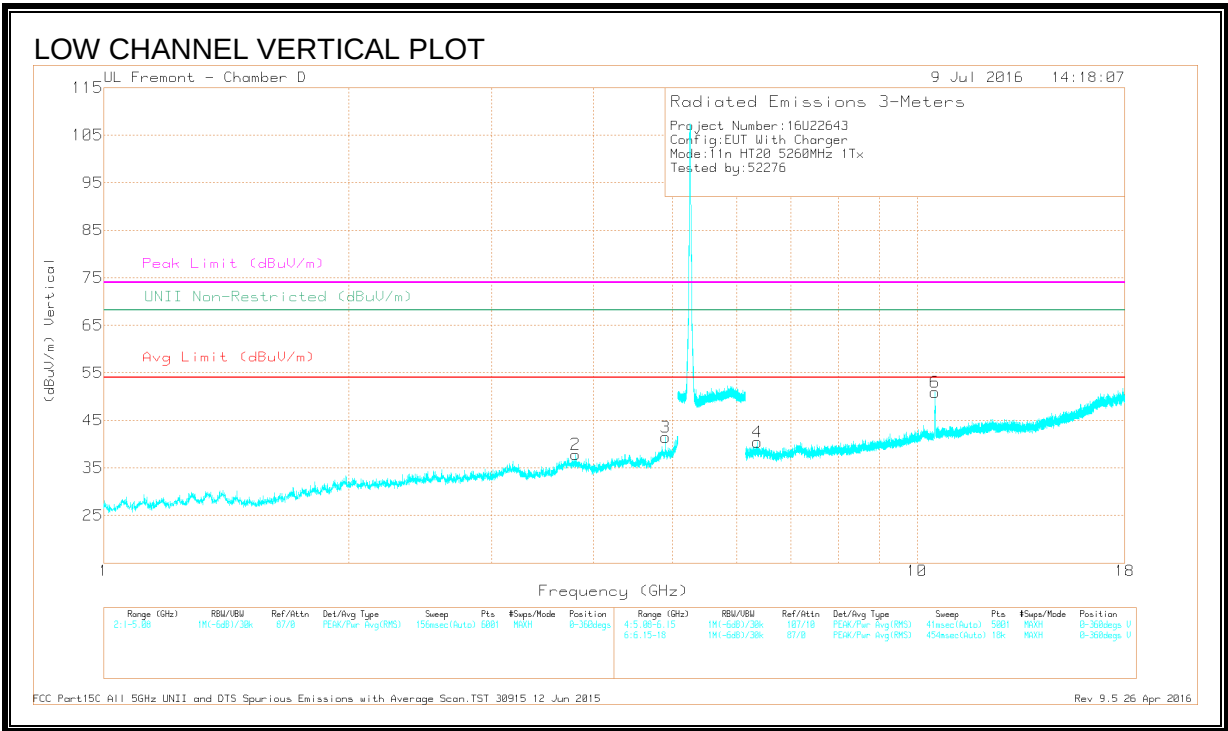
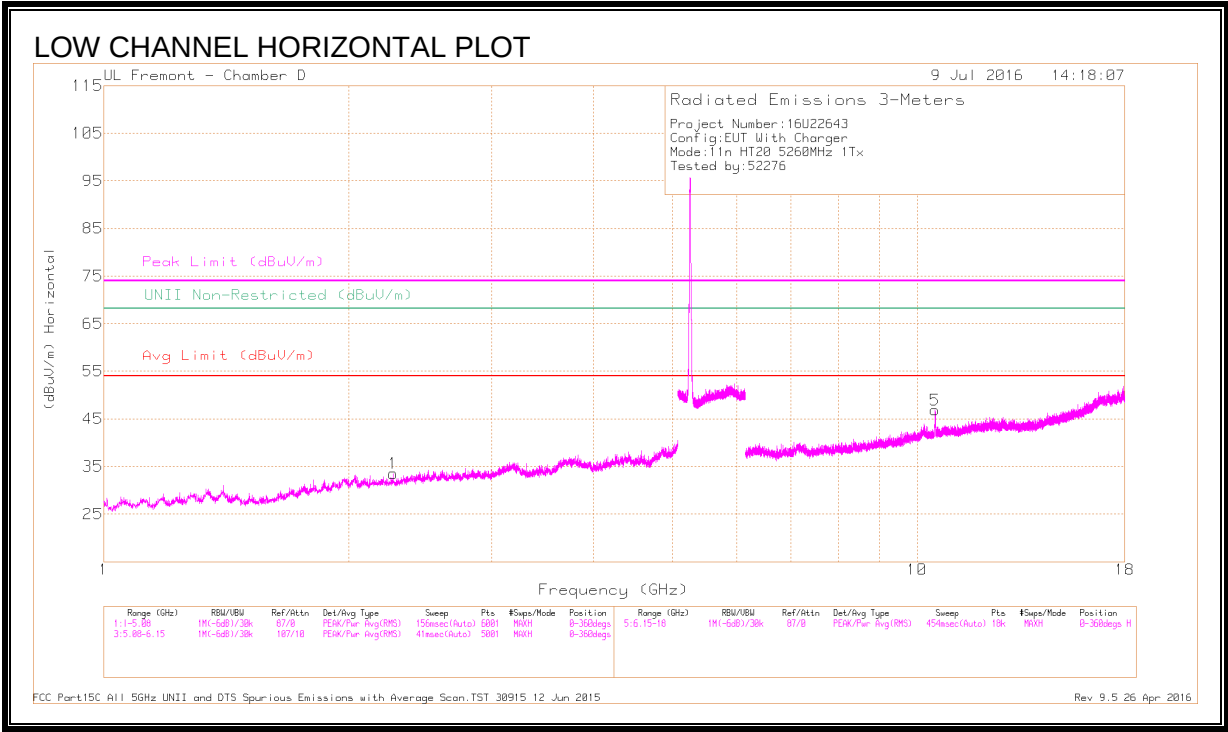


DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (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 (Degrees) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|-------------------|-------------|----------|
| 1      | * 5.35          | 42.15                | Pk  | 34.3           | -18.2                  | 58.25                      | -                      | -           | 74                  | -15.75         | 310               | 388         | V        |
| 3      | * 5.35          | 34.59                | RMS | 34.3           | -18.2                  | 50.69                      | 54                     | -3.31       | -                   | -              | 310               | 388         | V        |
| 2      | * 5.352         | 46.71                | Pk  | 34.3           | -18.2                  | 62.81                      | -                      | -           | 74                  | -11.19         | 310               | 388         | V        |
| 4      | * 5.352         | 35.37                | RMS | 34.3           | -18.2                  | 51.47                      | 54                     | -2.53       | -                   | -              | 310               | 388         | V        |

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

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



# **DATA**

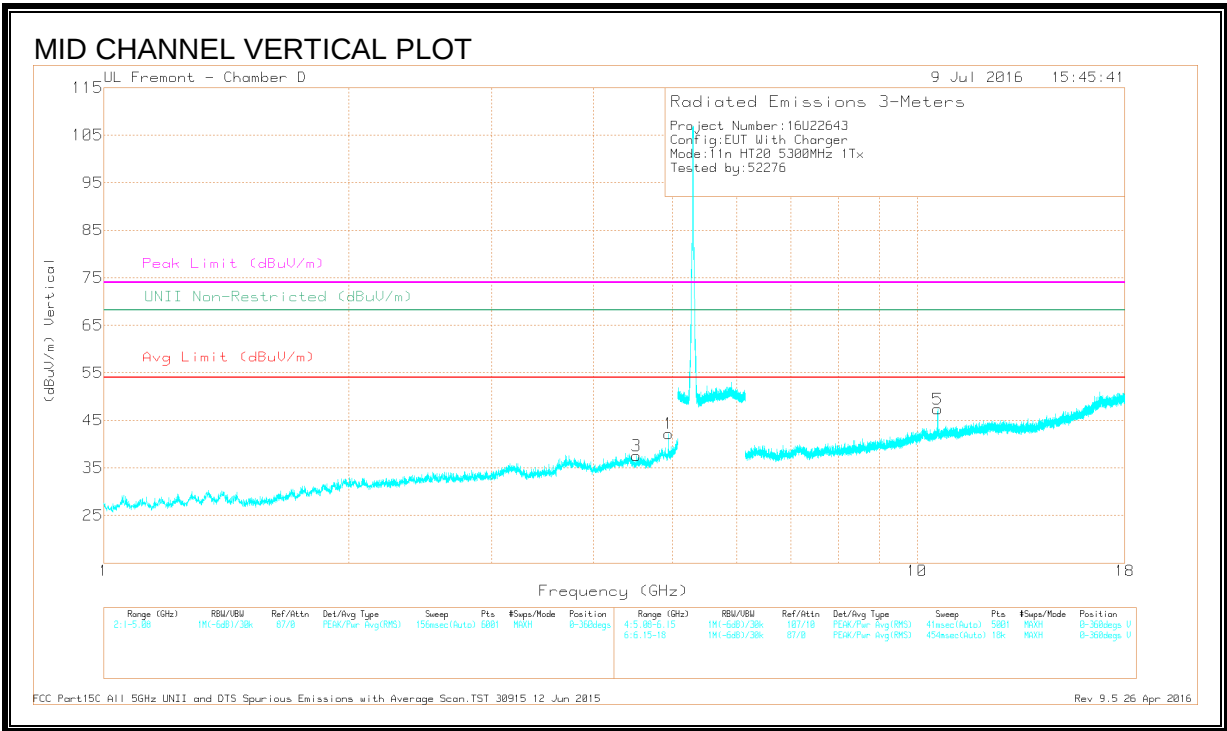
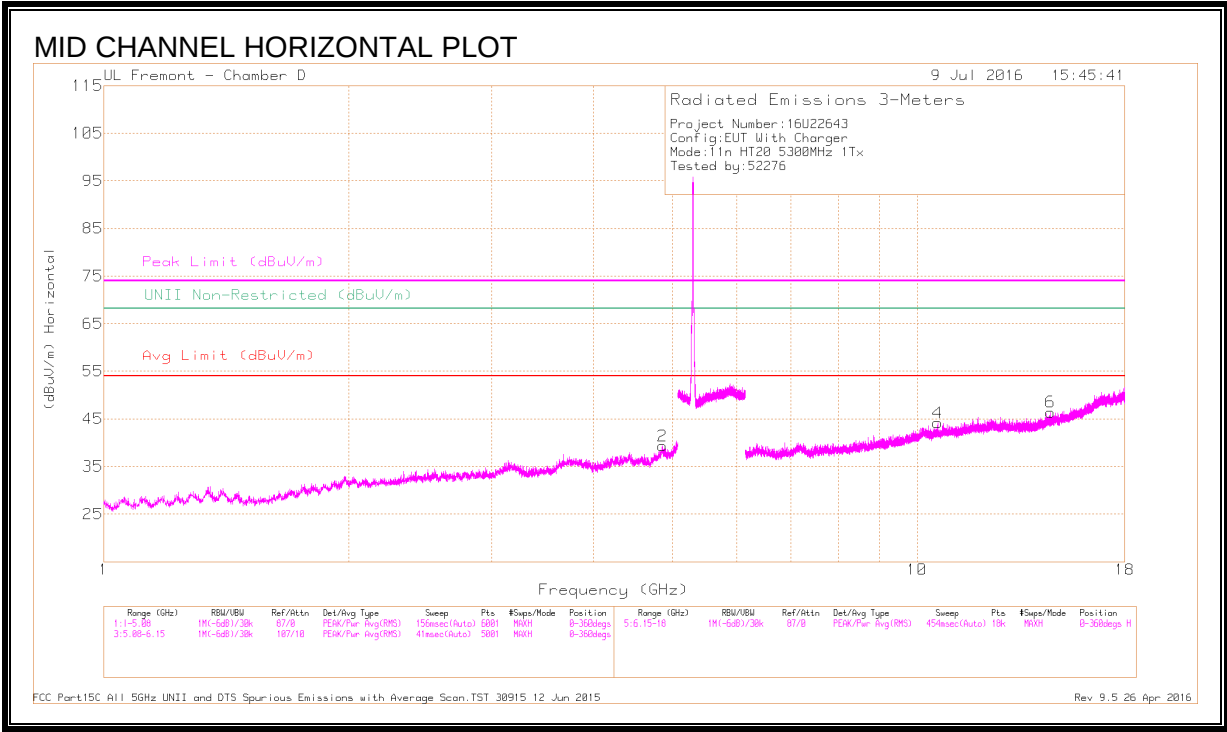
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (dB/m) | Amp/ Cbl/F ltr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degrees) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-------------------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|-------------------|-------------|----------|
| 1      | * 2.27          | 37.96                | PK-U | 31.5           | -30.6                   | 38.86                      | -                  | -           | 74                  | -35.14         | -                            | -              | 330               | 134         | H        |
|        | * 2.271         | 27.06                | ADR  | 31.4           | -30.6                   | 27.86                      | 54                 | -26.14      | -                   | -              | -                            | -              | 330               | 134         | H        |
| 2      | * 3.804         | 36.8                 | PK-U | 33.6           | -28.4                   | 42                         | -                  | -           | 74                  | -32            | -                            | -              | 24                | 246         | V        |
|        | * 3.804         | 26.33                | ADR  | 33.6           | -28.4                   | 31.53                      | 54                 | -22.47      | -                   | -              | -                            | -              | 24                | 246         | V        |
| 3      | * 4.91          | 37.93                | PK-U | 34.1           | -25.9                   | 46.13                      | -                  | -           | 74                  | -27.87         | -                            | -              | 293               | 203         | V        |
|        | * 4.909         | 30.13                | ADR  | 34.1           | -25.9                   | 38.33                      | 54                 | -15.67      | -                   | -              | -                            | -              | 293               | 203         | V        |
| 4      | 6.358           | 34.74                | PK-U | 35.7           | -25.5                   | 44.94                      | -                  | -           | -                   | -              | 68.2                         | -23.26         | 301               | 130         | V        |
| 6      | 10.521          | 41.87                | PK-U | 37.7           | -21.2                   | 58.37                      | -                  | -           | -                   | -              | 68.2                         | -9.83          | 37                | 101         | V        |
| 5      | 10.527          | 36.96                | PK-U | 37.7           | -21.1                   | 53.56                      | -                  | -           | -                   | -              | 68.2                         | -14.64         | 190               | 294         | 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 HARMONICS AND SPURIOUS EMISSIONS



# DATA

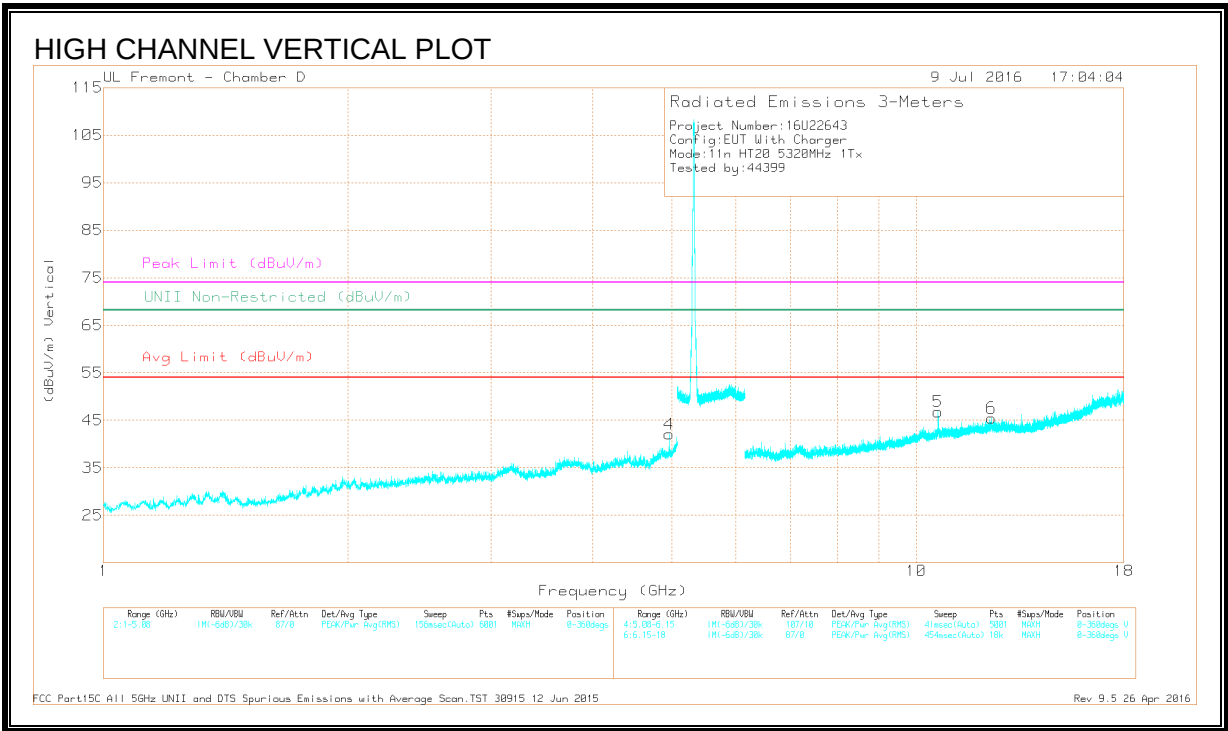
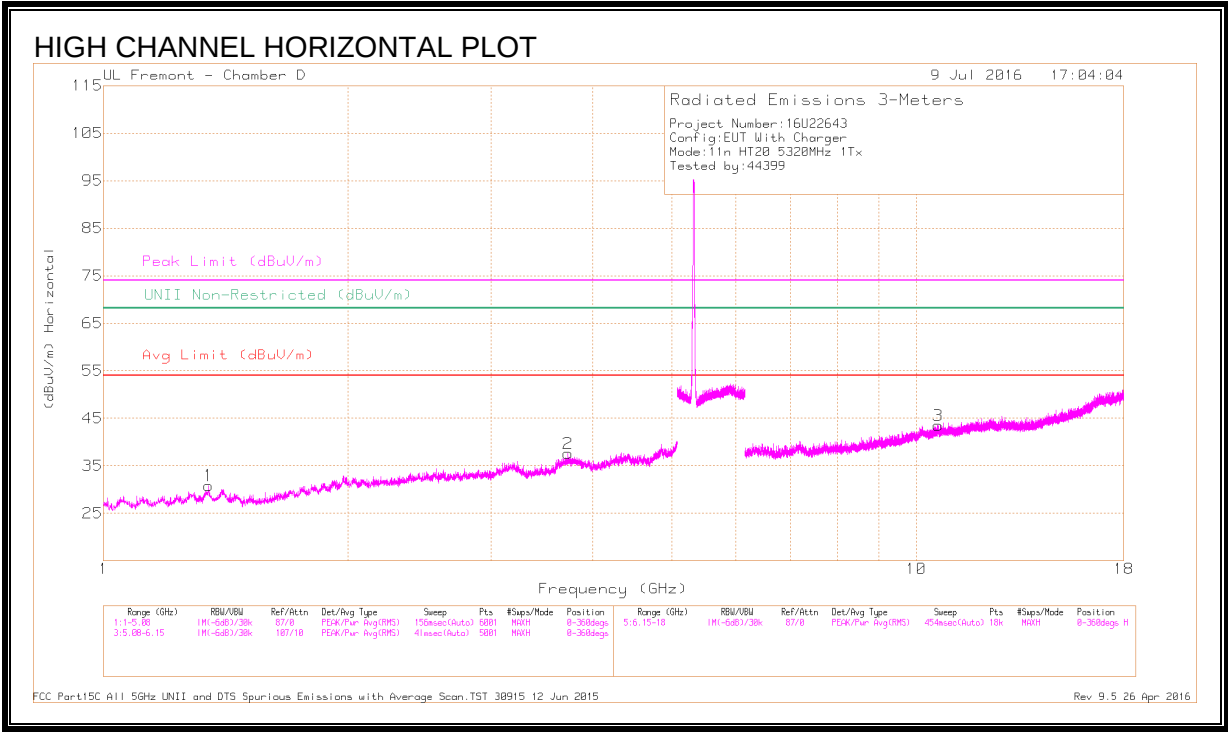
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (dB/m) | Amp/Cbl /Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Deg) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-------------------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|---------------|-------------|----------|
| 2      | * 4.867         | 34.62                | PK-U | 34.1           | -25.2                   | 43.52                      | -                  | -           | 74                  | -30.48         | -                            | -              | 288           | 345         | H        |
|        | * 4.864         | 24.97                | ADR  | 34.1           | -25.2                   | 33.87                      | 54                 | -20.13      | -                   | -              | -                            | -              | 288           | 345         | H        |
| 3      | * 4.947         | 41.54                | PK-U | 34.1           | -26.5                   | 49.14                      | -                  | -           | 74                  | -24.86         | -                            | -              | 276           | 255         | V        |
|        | * 4.947         | 34.58                | ADR  | 34.1           | -26.5                   | 42.18                      | 54                 | -11.82      | -                   | -              | -                            | -              | 276           | 255         | V        |
| 1      | * 4.519         | 35.78                | PK-U | 34             | -28.1                   | 41.68                      | -                  | -           | 74                  | -32.32         | -                            | -              | 156           | 135         | V        |
|        | * 4.517         | 25.62                | ADR  | 34             | -28.1                   | 31.52                      | 54                 | -22.48      | -                   | -              | -                            | -              | 156           | 135         | V        |
| 4      | * 10.601        | 33.62                | PK-U | 37.8           | -21                     | 50.42                      | -                  | -           | 74                  | -23.58         | -                            | -              | 20            | 245         | H        |
|        | * 10.601        | 22.75                | ADR  | 37.8           | -21                     | 39.55                      | 54                 | -14.45      | -                   | -              | -                            | -              | 20            | 245         | H        |
| 5      | * 11.761        | 31.46                | PK-U | 38.7           | -21                     | 49.16                      | -                  | -           | 74                  | -24.84         | -                            | -              | 213           | 211         | V        |
|        | * 11.47         | 21.7                 | ADR  | 38.4           | -21.3                   | 38.8                       | 54                 | -15.2       | -                   | -              | -                            | -              | 213           | 211         | V        |
| 6      | 14.583          | 33.78                | PK-U | 39.6           | -22.5                   | 50.88                      | -                  | -           | -                   | -              | 68.2                         | -17.32         | 42            | 330         | 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 HARMONICS AND SPURIOUS EMISSIONS



## DATA

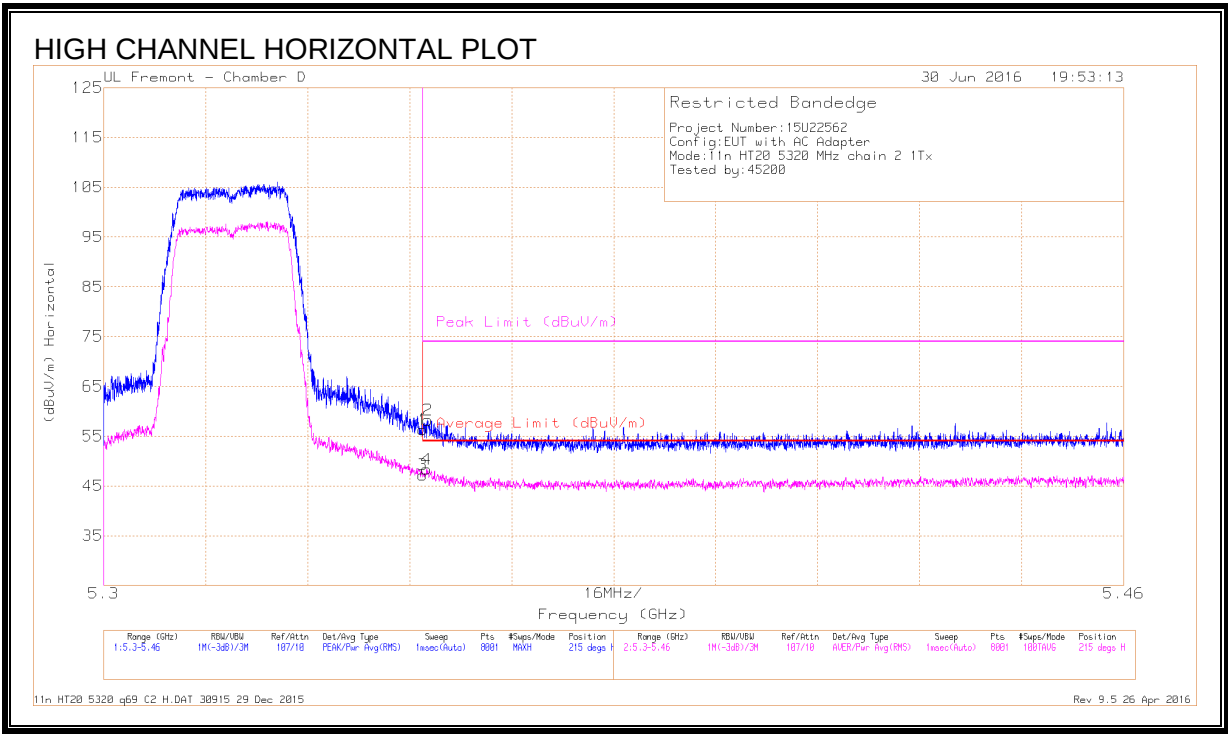
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (dB/m) | Amp/Cb/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degrees) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|-------------------|-------------|----------|
| 1      | * 1.347         | 39                   | PK-U | 28.9           | -31.3                 | 36.6                       | -                  | -           | 74                  | -37.4          | -                            | -              | 294               | 295         | H        |
|        | * 1.346         | 28.34                | ADR  | 28.9           | -31.3                 | 25.94                      | 54                 | -28.06      | -                   | -              | -                            | -              | 294               | 295         | H        |
| 2      | * 3.726         | 36.38                | PK-U | 33.5           | -28.9                 | 40.98                      | -                  | -           | 74                  | -33.02         | -                            | -              | 306               | 232         | H        |
|        | * 3.726         | 26.53                | ADR  | 33.5           | -28.9                 | 31.13                      | 54                 | -22.87      | -                   | -              | -                            | -              | 306               | 232         | H        |
| 4      | * 4.965         | 41.15                | PK-U | 34.1           | -26.6                 | 48.65                      | -                  | -           | 74                  | -25.35         | -                            | -              | 277               | 254         | V        |
|        | * 4.965         | 34.67                | ADR  | 34.1           | -26.6                 | 42.17                      | 54                 | -11.83      | -                   | -              | -                            | -              | 277               | 254         | V        |
| 3      | * 10.636        | 35.71                | PK-U | 37.8           | -21.5                 | 52.01                      | -                  | -           | 74                  | -21.99         | -                            | -              | 196               | 292         | H        |
|        | * 10.64         | 25.09                | ADR  | 37.8           | -21.5                 | 41.39                      | 54                 | -12.61      | -                   | -              | -                            | -              | 196               | 292         | H        |
| 5      | * 10.639        | 36.9                 | PK-U | 37.8           | -21.5                 | 53.2                       | -                  | -           | 74                  | -20.8          | -                            | -              | 33                | 107         | V        |
|        | * 10.639        | 25.71                | ADR  | 37.8           | -21.5                 | 42.01                      | 54                 | -11.99      | -                   | -              | -                            | -              | 33                | 107         | V        |
| 6      | * 12.378        | 32.05                | PK-U | 39             | -20.8                 | 50.25                      | -                  | -           | 74                  | -23.75         | -                            | -              | 184               | 140         | V        |
|        | * 12.374        | 21.83                | ADR  | 39             | -20.8                 | 40.03                      | 54                 | -13.97      | -                   | -              | -                            | -              | 184               | 140         | 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

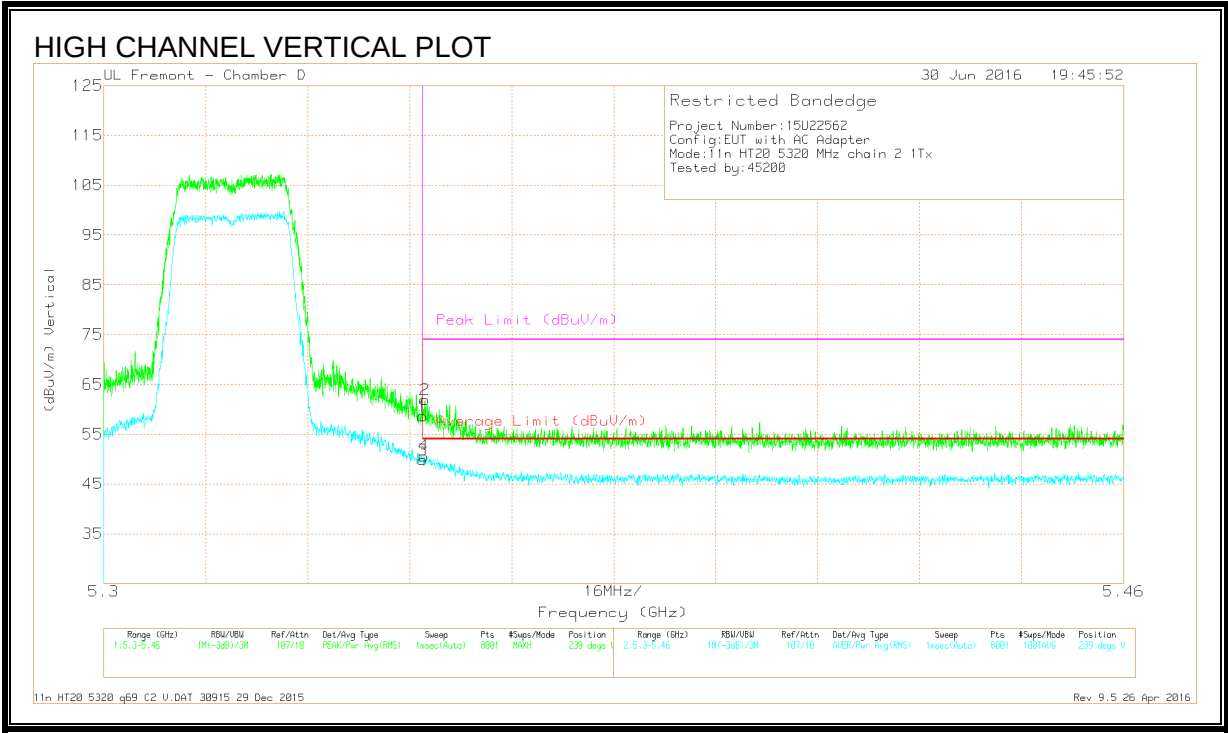
RESTRICTED BANDEDGE, CHAIN 1 (HIGH CHANNEL)



DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/Cbl/FI tr/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          | 40.23                | Pk  | 34.3           | -18.2                  | 56.33                      | -                      | -           | 74                  | -17.67         | 215            | 386         | H        |
| 3      | * 5.35          | 31.11                | RMS | 34.3           | -18.2                  | 47.21                      | 54                     | -6.79       | -                   | -              | 215            | 386         | H        |
| 2      | * 5.351         | 42.13                | Pk  | 34.3           | -18.2                  | 58.23                      | -                      | -           | 74                  | -15.77         | 215            | 386         | H        |
| 4      | * 5.351         | 32.25                | RMS | 34.3           | -18.2                  | 48.35                      | 54                     | -5.65       | -                   | -              | 215            | 386         | H        |

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

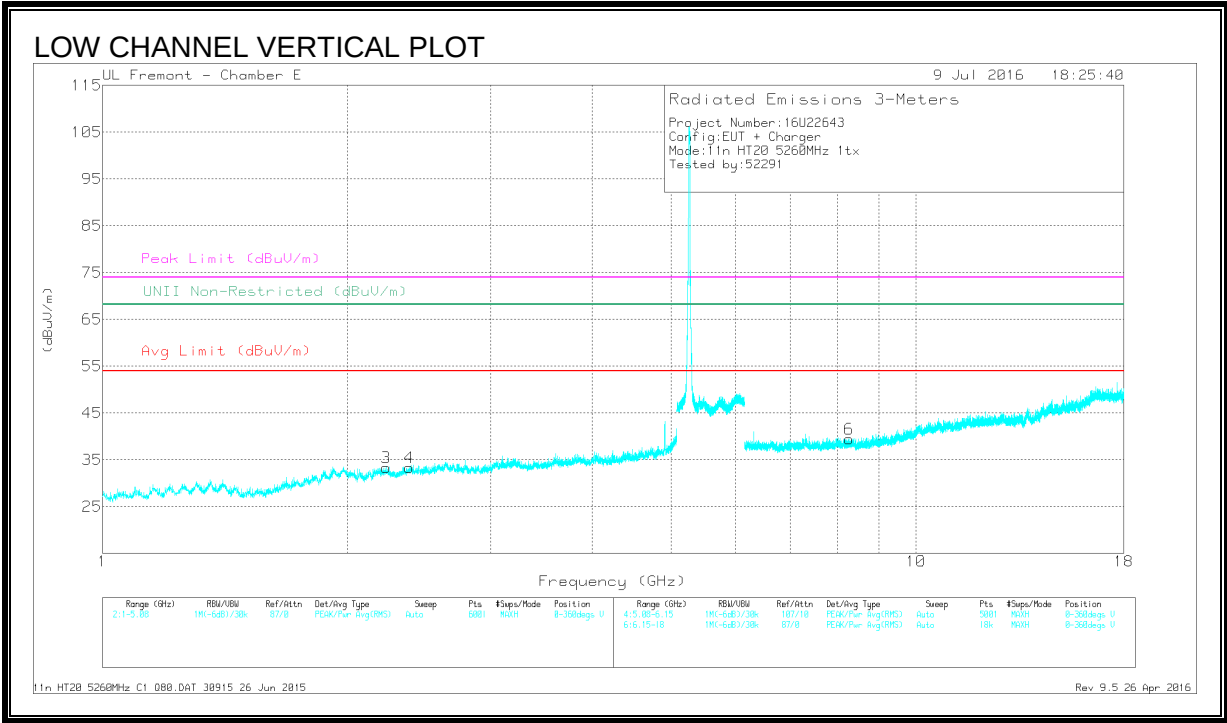
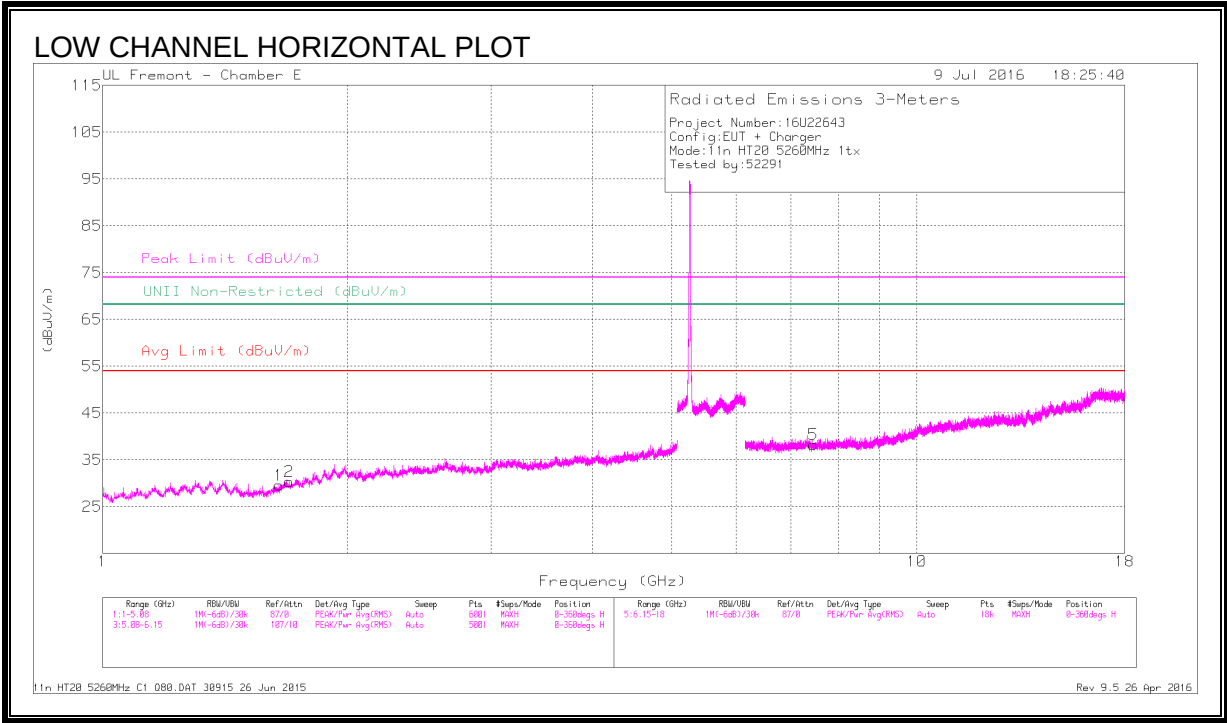


DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/Cbl/FI tr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degrees) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|-------------------|-------------|----------|
| 1      | * 5.35          | 42.55                | Pk  | 34.3           | -18.2                  | 58.65                      | -                      | -           | 74                  | -15.35         | 239               | 131         | V        |
| 2      | * 5.35          | 45.81                | Pk  | 34.3           | -18.2                  | 61.91                      | -                      | -           | 74                  | -12.09         | 239               | 131         | V        |
| 3      | * 5.35          | 33.74                | RMS | 34.3           | -18.2                  | 49.84                      | 54                     | -4.16       | -                   | -              | 239               | 131         | V        |
| 4      | * 5.35          | 34.52                | RMS | 34.3           | -18.2                  | 50.62                      | 54                     | -3.38       | -                   | -              | 239               | 131         | V        |

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

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



# **DATA**

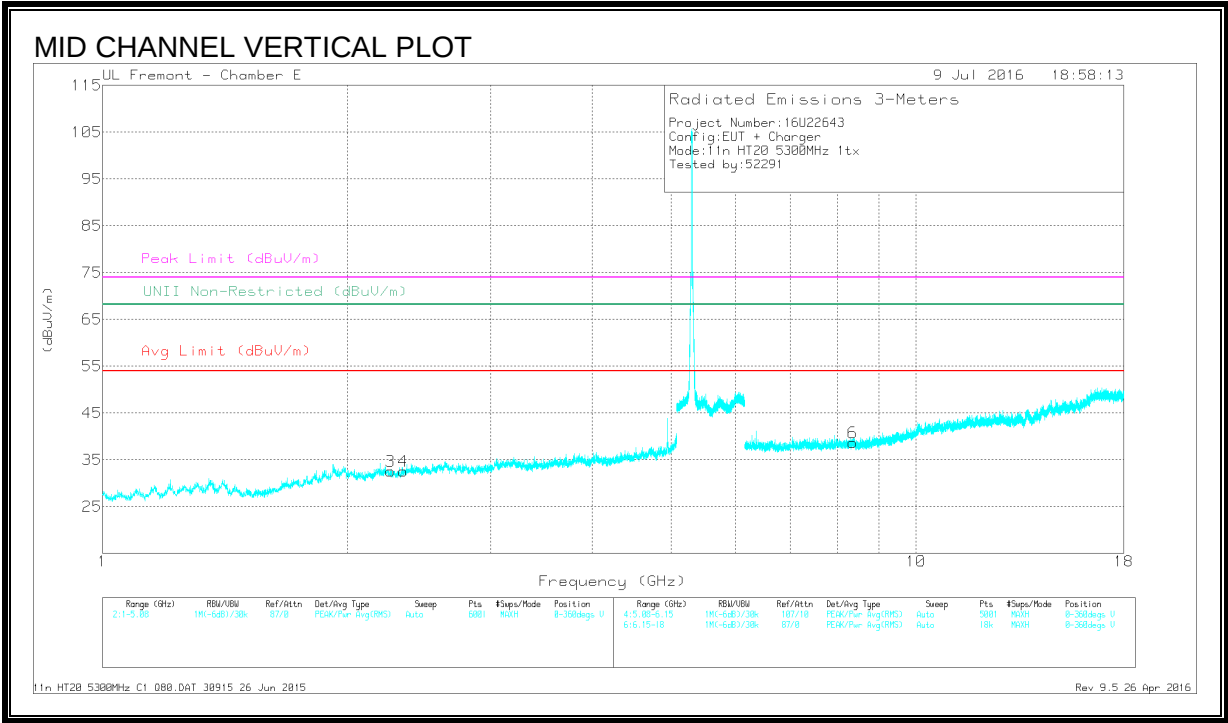
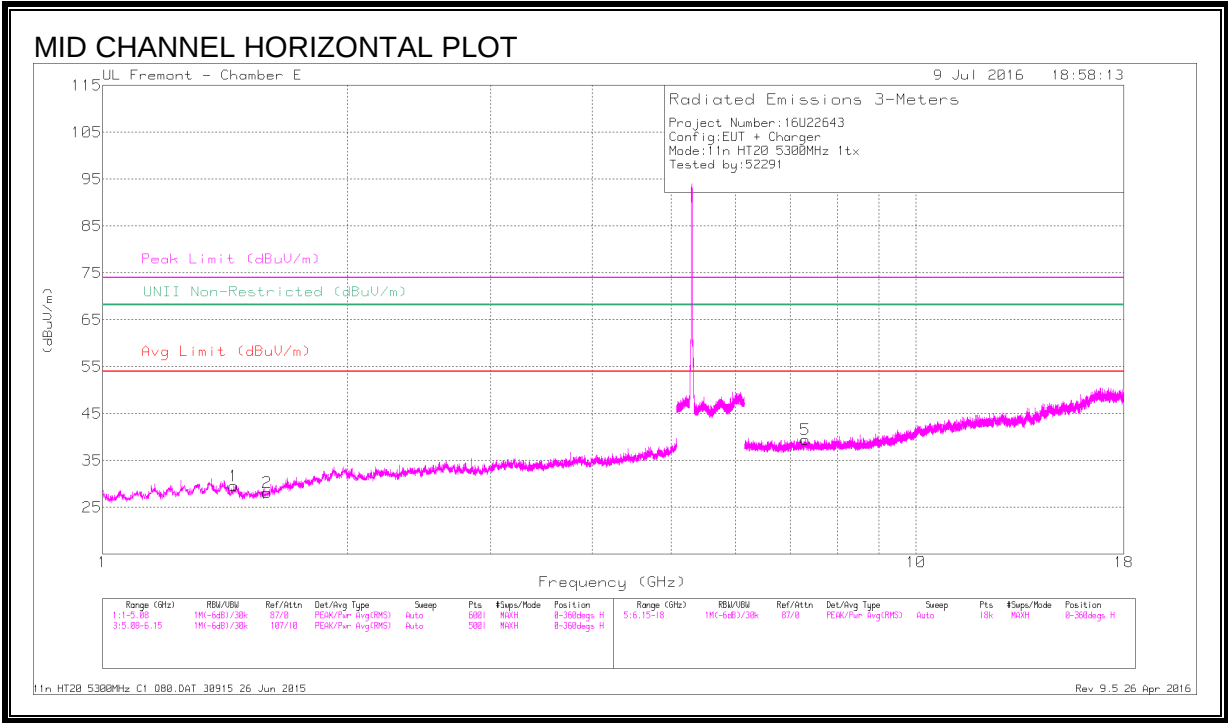
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T711 (dB/m) | Amp/Cbl/Fldr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarization |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|--------------|
| 1      | * 1.646         | 30.6                 | ADR  | 28.4           | -33.9                 | 25.1                       | 54                 | -28.9       | -                   | -              | -                            | -              | 270            | 200         | H            |
|        | 1.647           | 41.1                 | PK-U | 28.5           | -33.8                 | 35.8                       | -                  | -           | -                   | -              | 68.2                         | -32.4          | 270            | 200         | H            |
| 2      | * 1.694         | 40.66                | PK-U | 29.1           | -33.5                 | 36.26                      | -                  | -           | 74                  | -37.74         | -                            | -              | 137            | 292         | H            |
|        | * 1.692         | 30.55                | ADR  | 29             | -33.4                 | 26.15                      | 54                 | -27.85      | -                   | -              | -                            | -              | 137            | 292         | H            |
| 3      | * 2.231         | 40.7                 | PK-U | 31.7           | -32.6                 | 39.8                       | -                  | -           | 74                  | -34.2          | -                            | -              | 195            | 230         | V            |
|        | * 2.232         | 30.12                | ADR  | 31.7           | -32.6                 | 29.22                      | 54                 | -24.78      | -                   | -              | -                            | -              | 195            | 230         | V            |
| 4      | * 2.381         | 39.62                | PK-U | 32             | -32.1                 | 39.52                      | -                  | -           | 74                  | -34.48         | -                            | -              | 85             | 293         | V            |
|        | * 2.381         | 29.34                | ADR  | 32             | -32.1                 | 29.24                      | 54                 | -24.76      | -                   | -              | -                            | -              | 85             | 293         | V            |
| 5      | * 7.465         | 36.74                | PK-U | 35.5           | -27.3                 | 44.94                      | -                  | -           | 74                  | -29.06         | -                            | -              | 226            | 194         | H            |
|        | * 7.464         | 26.22                | ADR  | 35.5           | -27.3                 | 34.42                      | 54                 | -19.58      | -                   | -              | -                            | -              | 226            | 194         | H            |
| 6      | * 8.277         | 35.92                | PK-U | 35.7           | -27                   | 44.62                      | -                  | -           | 74                  | -29.38         | -                            | -              | 234            | 313         | V            |
|        | * 8.276         | 26.26                | ADR  | 35.7           | -27                   | 34.96                      | 54                 | -19.04      | -                   | -              | -                            | -              | 234            | 313         | 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 HARMONICS AND SPURIOUS EMISSIONS



# **DATA**

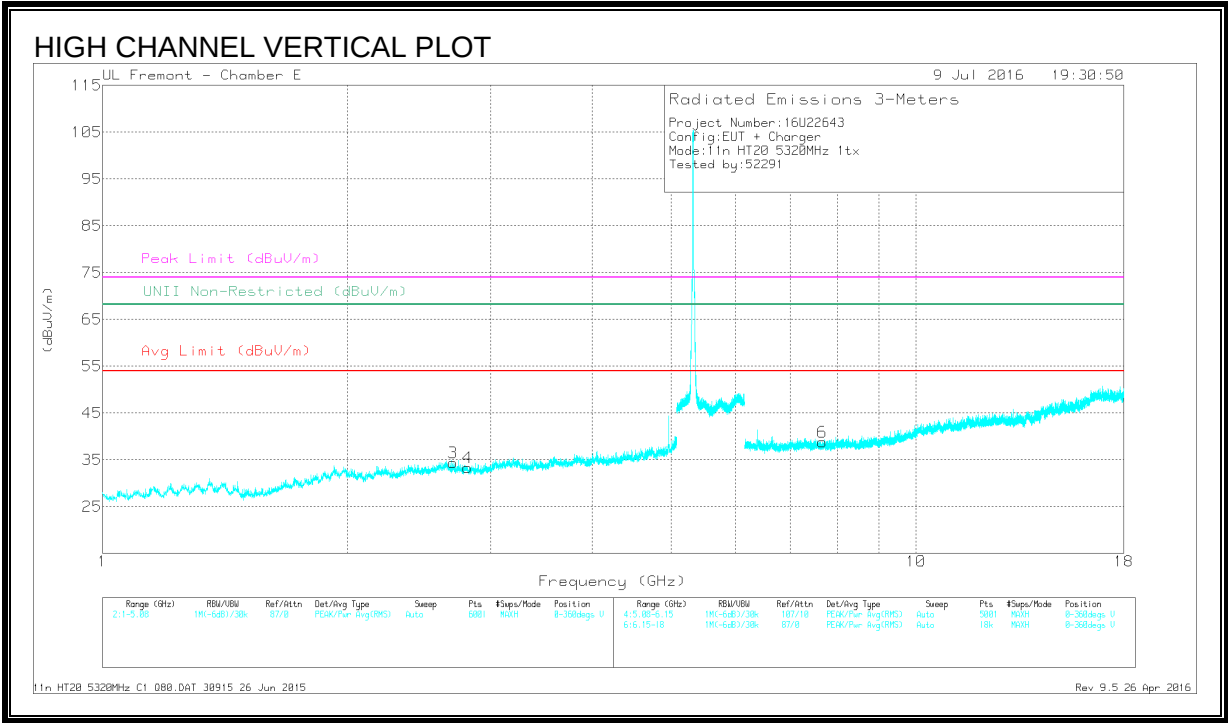
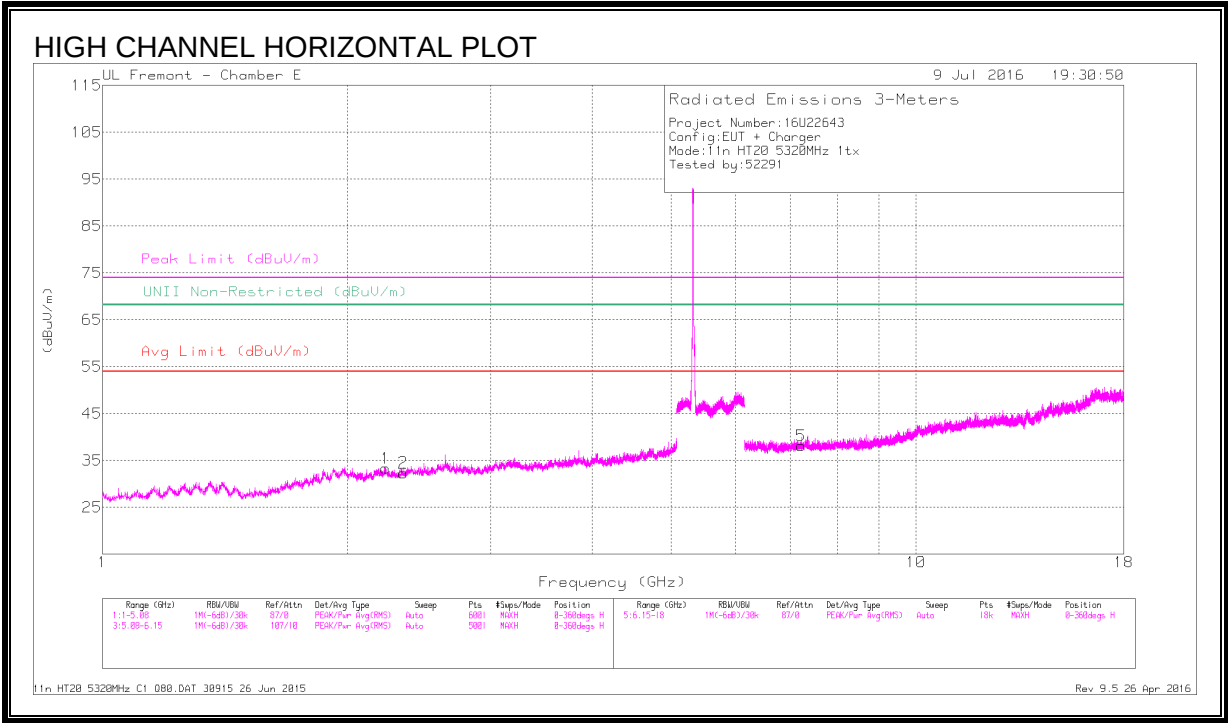
| Mark<br>er | Frequ<br>ency<br>(GHz) | Meter<br>Readi<br>ng<br>(dBuV<br>) | Det  | AF<br>T711<br>(dB/<br>m) | Amp/C<br>bl/Fitr/<br>Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m) | Avg<br>Limit<br>(dBu<br>V/m) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/<br>m) | PK<br>Margin<br>(dB) | UNII<br>Non-<br>Restri<br>cted<br>(dBuV<br>/m) | PK<br>Marg<br>in<br>(dB) | Azi<br>mut<br>h<br>(De<br>gs) | Hei<br>ght<br>(c<br>m) | Pol<br>arit<br>y |
|------------|------------------------|------------------------------------|------|--------------------------|----------------------------------|--------------------------------------|------------------------------|----------------|-------------------------------|----------------------|------------------------------------------------|--------------------------|-------------------------------|------------------------|------------------|
| 1          | * 1.451                | 42.13                              | PK-U | 28.4                     | -34.8                            | 35.73                                | -                            | -              | 74                            | -38.27               | -                                              | -                        | 279                           | 270                    | H                |
|            | * 1.449                | 31.02                              | ADR  | 28.4                     | -34.8                            | 24.62                                | 54                           | -29.38         | -                             | -                    | -                                              | -                        | 279                           | 270                    | H                |
| 2          | * 1.595                | 42.3                               | PK-U | 27.8                     | -34.7                            | 35.4                                 | -                            | -              | 74                            | -38.6                | -                                              | -                        | 297                           | 327                    | H                |
|            | * 1.596                | 31.32                              | ADR  | 27.8                     | -34.7                            | 24.42                                | 54                           | -29.58         | -                             | -                    | -                                              | -                        | 297                           | 327                    | H                |
| 3          | * 2.259                | 40.67                              | PK-U | 31.6                     | -33                              | 39.27                                | -                            | -              | 74                            | -34.73               | -                                              | -                        | 121                           | 374                    | V                |
|            | * 2.258                | 29.95                              | ADR  | 31.6                     | -33                              | 28.55                                | 54                           | -25.45         | -                             | -                    | -                                              | -                        | 121                           | 374                    | V                |
| 4          | * 2.341                | 41.57                              | PK-U | 31.7                     | -32.7                            | 40.57                                | -                            | -              | 74                            | -33.43               | -                                              | -                        | 204                           | 231                    | V                |
|            | * 2.339                | 29.8                               | ADR  | 31.7                     | -32.8                            | 28.7                                 | 54                           | -25.3          | -                             | -                    | -                                              | -                        | 204                           | 231                    | V                |
| 5          | * 7.312                | 35.51                              | PK-U | 35.6                     | -26.1                            | 45.01                                | -                            | -              | 74                            | -28.99               | -                                              | -                        | 303                           | 294                    | H                |
|            | * 7.31                 | 25.68                              | ADR  | 35.6                     | -26.1                            | 35.18                                | 54                           | -18.82         | -                             | -                    | -                                              | -                        | 303                           | 294                    | H                |
| 6          | * 8.359                | 36.73                              | PK-U | 35.7                     | -26.7                            | 45.73                                | -                            | -              | 74                            | -28.27               | -                                              | -                        | 13                            | 370                    | V                |
|            | * 8.355                | 26.11                              | ADR  | 35.7                     | -26.7                            | 35.11                                | 54                           | -18.89         | -                             | -                    | -                                              | -                        | 13                            | 370                    | 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 HARMONICS AND SPURIOUS EMISSIONS



**DATA**

| Mark<br>er | Freque<br>ncy<br>(GHz) | Meter<br>Readi<br>ng<br>(dBuV<br>) | Det  | AF<br>T711<br>(dB/<br>m) | Amp/C<br>bl/Filtr/<br>Pad<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>Rest<br>ricte<br>d<br>(dBu<br>V/m) | PK<br>Margin<br>(dB) | Azi<br>mut<br>h<br>(De<br>gs) | Hei<br>ght<br>(c<br>m) | Pol<br>arit<br>y |
|------------|------------------------|------------------------------------|------|--------------------------|-----------------------------------|----------------------------------------------|------------------------------|----------------|-------------------------------|----------------------|----------------------------------------------------|----------------------|-------------------------------|------------------------|------------------|
| 1          | * 2.229                | 40.56                              | PK-U | 31.7                     | -32.6                             | 39.66                                        | -                            | -              | 74                            | -34.34               | -                                                  | -                    | 229                           | 258                    | H                |
|            | * 2.228                | 29.42                              | ADR  | 31.7                     | -32.6                             | 28.52                                        | 54                           | -25.48         | -                             | -                    | -                                                  | -                    | 229                           | 258                    | H                |
| 2          | * 2.34                 | 40.31                              | PK-U | 31.7                     | -32.8                             | 39.21                                        | -                            | -              | 74                            | -34.79               | -                                                  | -                    | 350                           | 176                    | H                |
|            | * 2.339                | 29.92                              | ADR  | 31.7                     | -32.8                             | 28.82                                        | 54                           | -25.18         | -                             | -                    | -                                                  | -                    | 350                           | 176                    | H                |
| 3          | * 2.693                | 40.91                              | PK-U | 32.6                     | -32.4                             | 41.11                                        | -                            | -              | 74                            | -32.89               | -                                                  | -                    | 249                           | 132                    | V                |
|            | * 2.695                | 29.78                              | ADR  | 32.6                     | -32.4                             | 29.98                                        | 54                           | -24.02         | -                             | -                    | -                                                  | -                    | 249                           | 132                    | V                |
| 4          | * 2.812                | 39.48                              | PK-U | 32.4                     | -32.1                             | 39.78                                        | -                            | -              | 74                            | -34.22               | -                                                  | -                    | 147                           | 186                    | V                |
|            | * 2.81                 | 28.89                              | ADR  | 32.4                     | -32.1                             | 29.19                                        | 54                           | -24.81         | -                             | -                    | -                                                  | -                    | 147                           | 186                    | V                |
| 6          | * 7.667                | 36.17                              | PK-U | 35.7                     | -27.3                             | 44.57                                        | -                            | -              | 74                            | -29.43               | -                                                  | -                    | 312                           | 176                    | V                |
|            | * 7.666                | 26.17                              | ADR  | 35.7                     | -27.3                             | 34.57                                        | 54                           | -19.43         | -                             | -                    | -                                                  | -                    | 312                           | 176                    | V                |
| 5          | 7.22                   | 37.24                              | PK-U | 35.6                     | -27.8                             | 45.04                                        | -                            | -              | -                             | -                    | 68.2                                               | -23.16               | 261                           | 224                    | H                |
|            | 7.22                   | 26.61                              | ADR  | 35.6                     | -27.8                             | 34.41                                        | -                            | -              | -                             | -                    | -                                                  | -                    | 261                           | 224                    | H                |

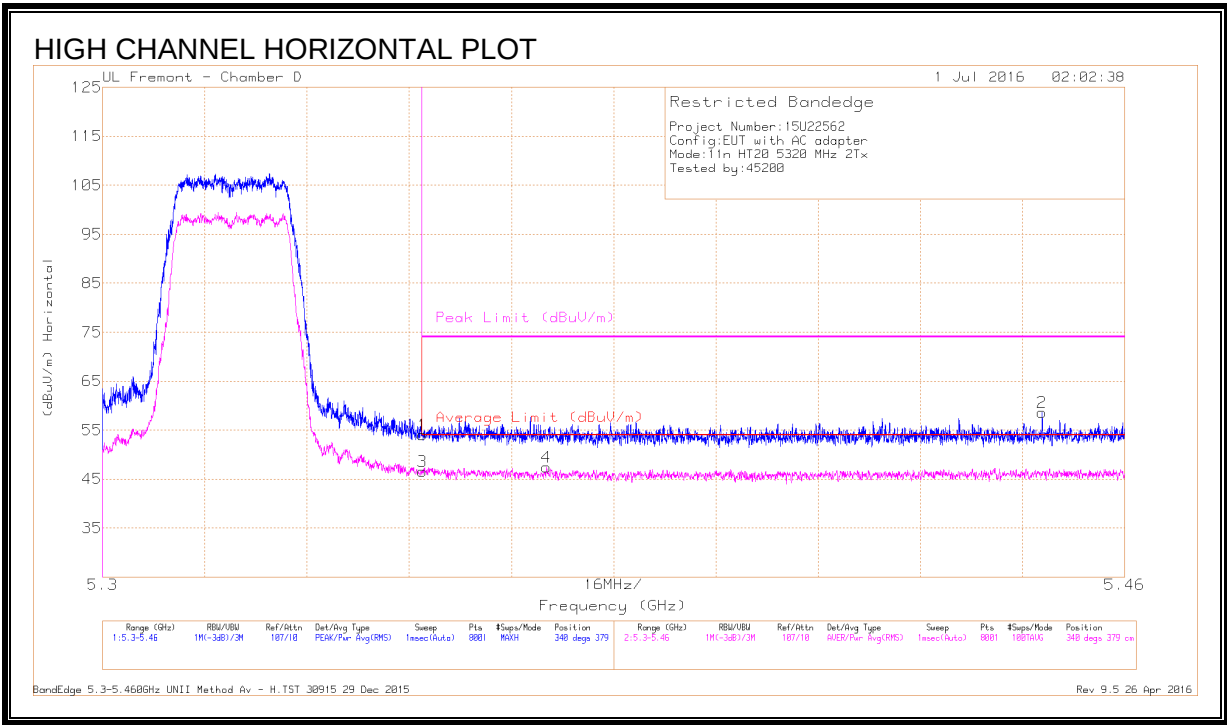
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

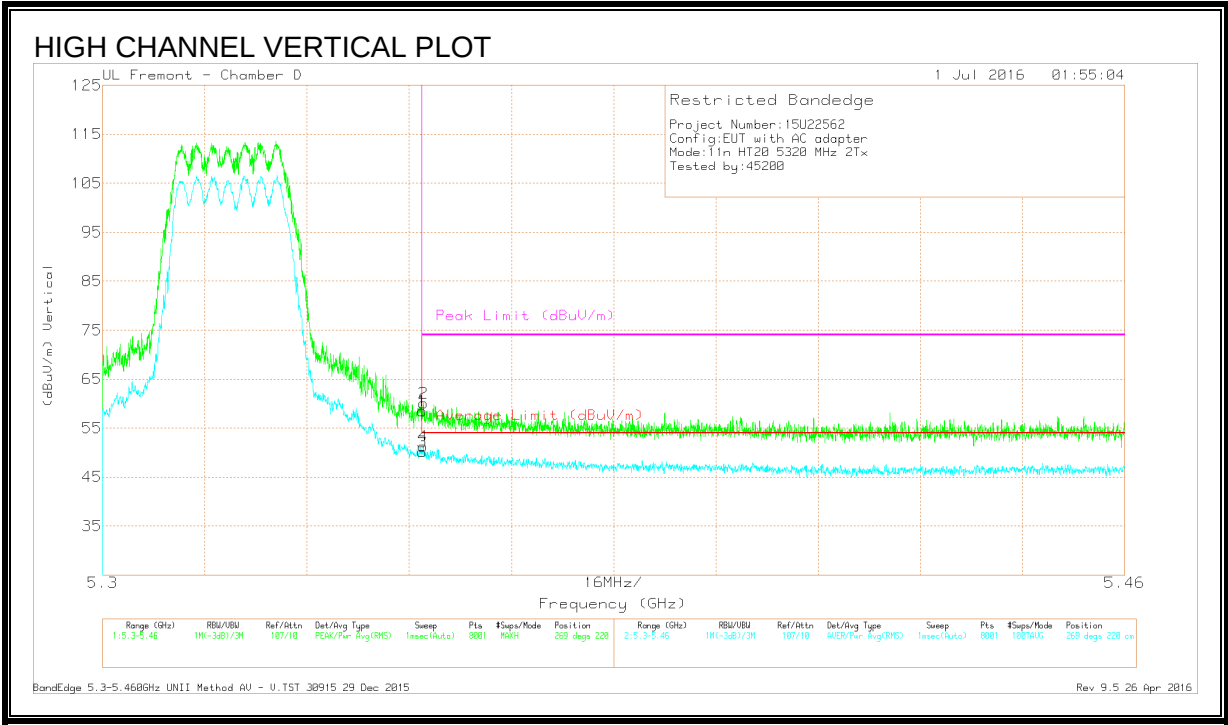
9.15. 802.11n HT20 2Tx CDD MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL)



DATA

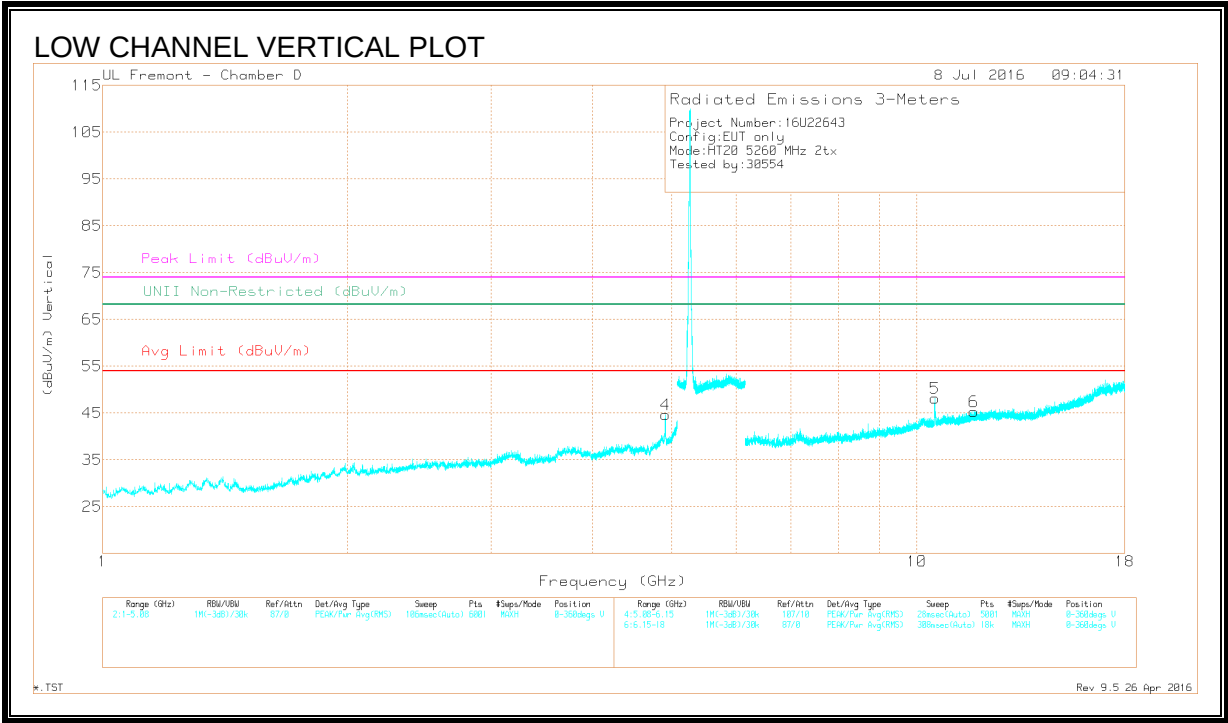
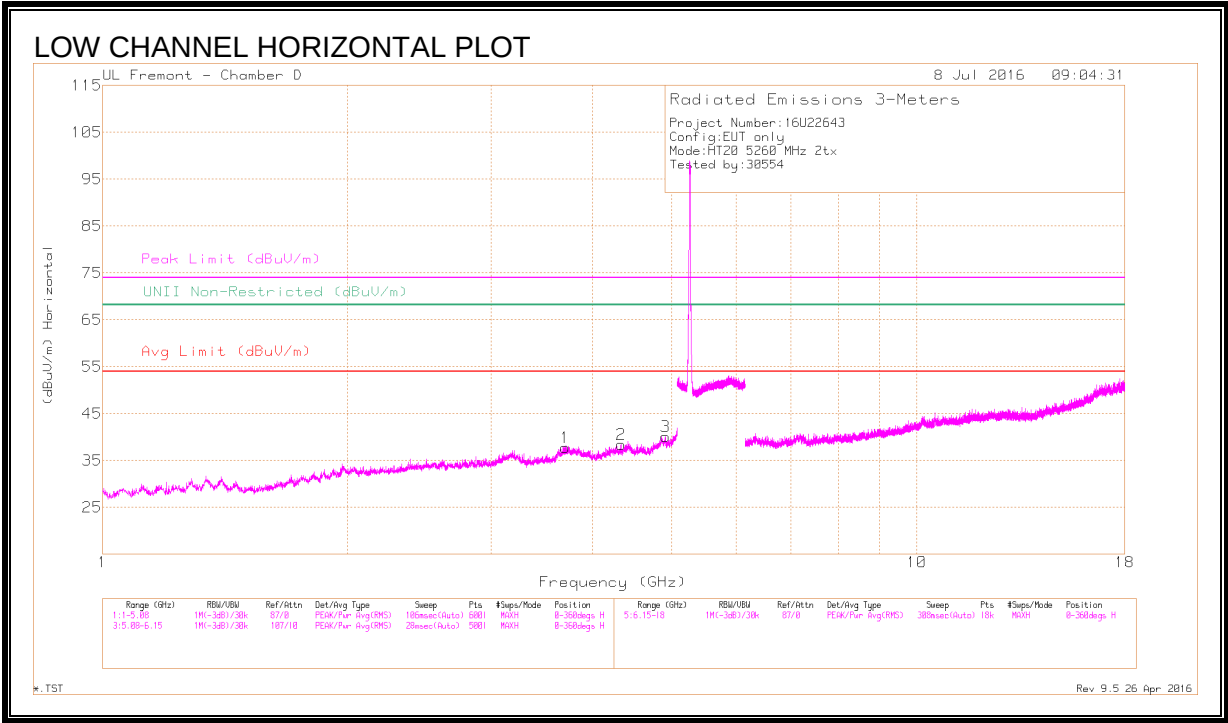
| Marker | Frequen<br>cy (GHz) | Meter<br>Readi<br>ng (dBuV<br>) | Det | AF<br>T712<br>(dB/<br>m) | Amp/Cbl/<br>Filtr/Pad<br>(dB) | Correct<br>ed<br>Reading<br>(dBuV/<br>m) | Averag<br>e Limit<br>(dBuV/<br>m) | Mar<br>gin<br>(dB) | Peak<br>Limit<br>(dBuV/m) | PK<br>Margi<br>n<br>(dB) | Azim<br>uth<br>(Deg<br>s) | Hei<br>ght<br>(cm) | Pola<br>rity |
|--------|---------------------|---------------------------------|-----|--------------------------|-------------------------------|------------------------------------------|-----------------------------------|--------------------|---------------------------|--------------------------|---------------------------|--------------------|--------------|
| 1      | * 5.35              | 37.92                           | Pk  | 34.3                     | -18.2                         | 54.02                                    | -                                 | -                  | 74                        | -19.98                   | 340                       | 379                | H            |
| 2      | * 5.447             | 42.13                           | Pk  | 34.4                     | -17.9                         | 58.63                                    | -                                 | -                  | 74                        | -15.37                   | 340                       | 379                | H            |
| 3      | * 5.35              | 30.52                           | RMS | 34.3                     | -18.2                         | 46.62                                    | 54                                | -7.38              | -                         | -                        | 340                       | 379                | H            |
| 4      | * 5.369             | 31.31                           | RMS | 34.4                     | -18.3                         | 47.41                                    | 54                                | -6.59              | -                         | -                        | 340                       | 379                | H            |



DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (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 (Degrees) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|-------------------|-------------|----------|
| 1      | * 5.35          | 42.33                | Pk  | 34.3           | -18.2                  | 58.43                      | -                      | -           | 74                  | -15.57         | 269               | 220         | V        |
| 2      | * 5.35          | 43.97                | Pk  | 34.3           | -18.2                  | 60.07                      | -                      | -           | 74                  | -13.93         | 269               | 220         | V        |
| 3      | * 5.35          | 34.02                | RMS | 34.3           | -18.2                  | 50.12                      | 54                     | -3.88       | -                   | -              | 269               | 220         | V        |
| 4      | * 5.35          | 35.16                | RMS | 34.3           | -18.2                  | 51.26                      | 54                     | -2.74       | -                   | -              | 269               | 220         | V        |

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



**DATA**

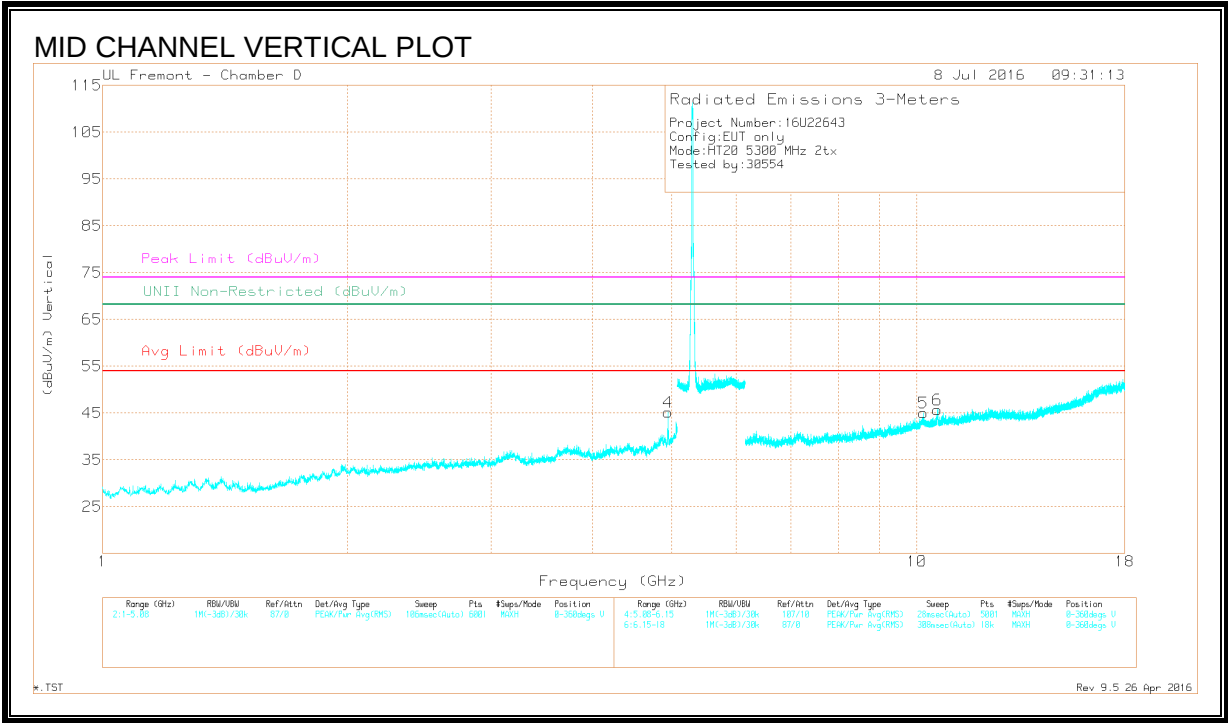
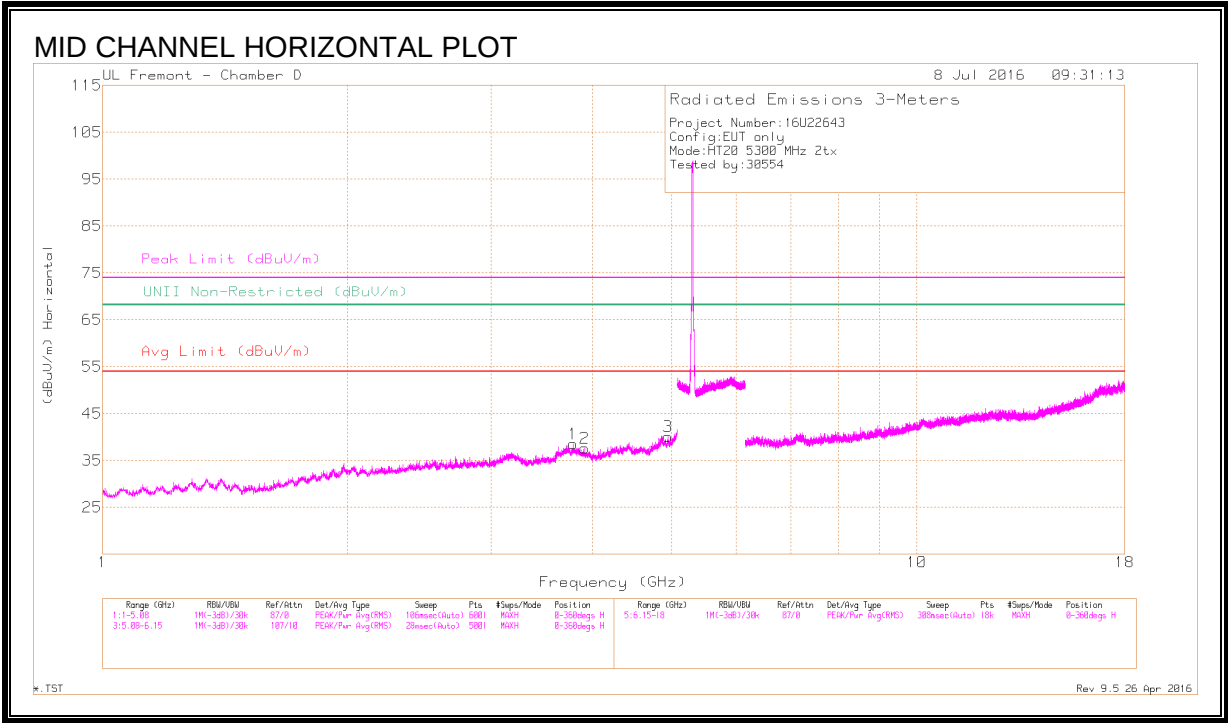
| Marker | Frequency (GHz) | Meter Reading (dBUV) | Det  | AF T712 (dB/m) | Amp/Cb/F ltr/Pad (dB) | Corrected Reading (dBUV/m) | Avg Limit (dBUV/m) | Margin (dB) | Peak Limit (dBUV/m) | PK Margin (dB) | UNII Non-Restricted (dBUV/m) | PK Margin (dB) | Azimuth (Degrees) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|-------------------|-------------|----------|
| 1      | * 3.701         | 38.26                | PK-U | 33.5           | -29                   | 42.76                      | -                  | -           | 74                  | -31.24         | -                            | -              | 36                | 168         | H        |
|        | * 3.704         | 27.83                | ADR  | 33.5           | -29                   | 32.33                      | 54                 | -21.67      | -                   | -              | -                            | -              | 36                | 168         | H        |
| 2      | * 4.335         | 37.27                | PK-U | 33.7           | -28.2                 | 42.77                      | -                  | -           | 74                  | -31.23         | -                            | -              | 268               | 221         | H        |
|        | * 4.334         | 27.87                | ADR  | 33.7           | -28.2                 | 33.37                      | 54                 | -20.63      | -                   | -              | -                            | -              | 268               | 221         | H        |
| 3      | * 4.91          | 37.33                | PK-U | 34.1           | -25.9                 | 45.53                      | -                  | -           | 74                  | -28.47         | -                            | -              | 154               | 244         | H        |
|        | * 4.909         | 28.06                | ADR  | 34.1           | -25.9                 | 36.26                      | 54                 | -17.74      | -                   | -              | -                            | -              | 154               | 244         | H        |
| 6      | * 11.755        | 34.05                | PK-U | 38.7           | -20.9                 | 51.85                      | -                  | -           | 74                  | -22.15         | -                            | -              | 185               | 231         | V        |
|        | * 11.753        | 23.59                | ADR  | 38.7           | -20.8                 | 41.49                      | 54                 | -12.51      | -                   | -              | -                            | -              | 185               | 231         | V        |
| 5      | 10.517          | 40.16                | PK-U | 37.7           | -21.2                 | 56.66                      | -                  | -           | -                   | -              | 68.2                         | -11.54         | 161               | 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

MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS



# DATA

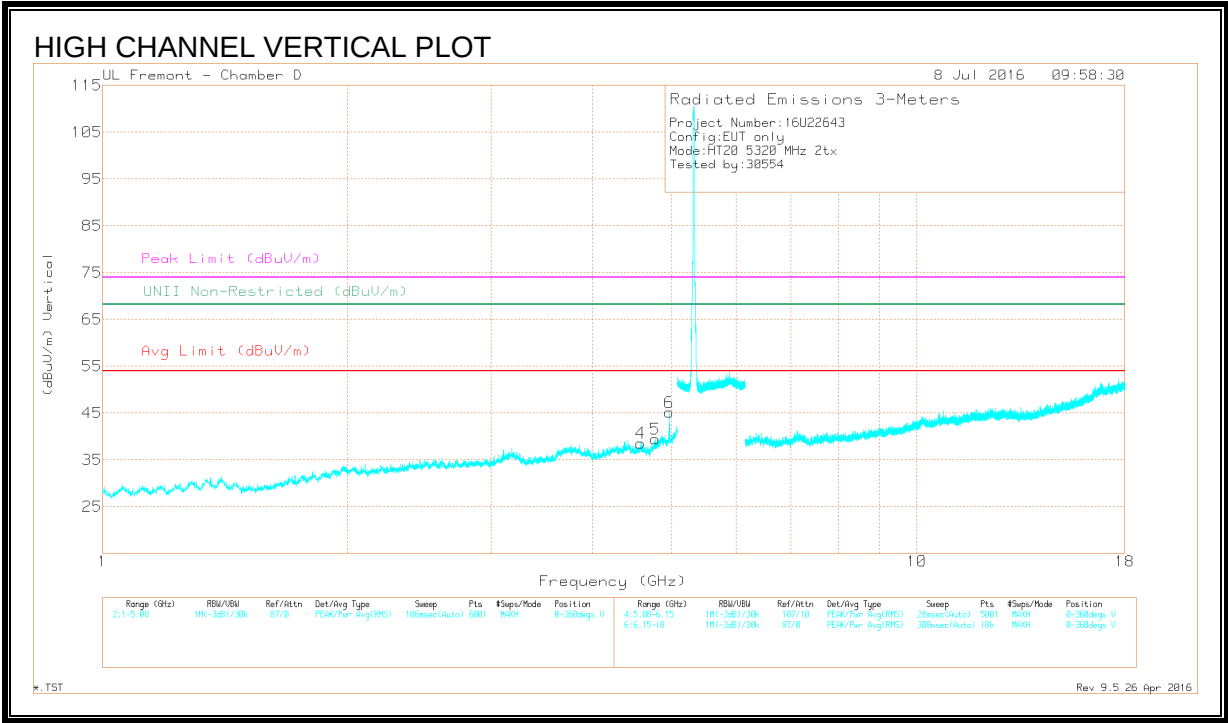
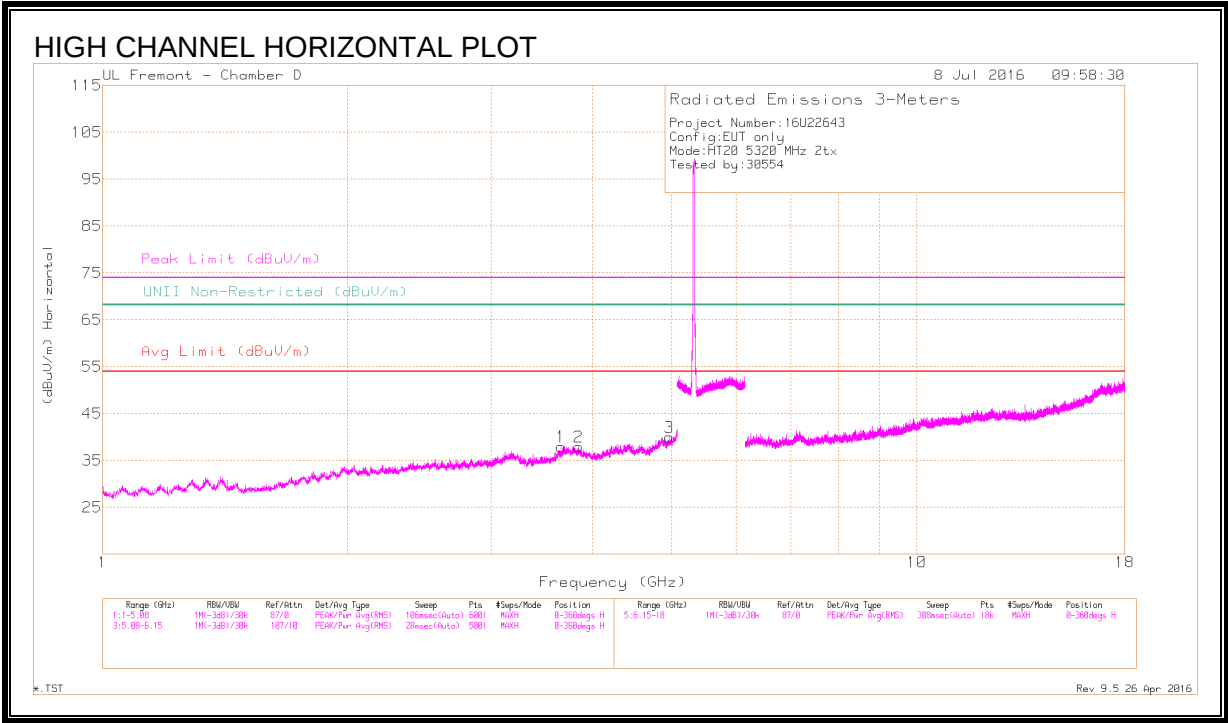
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degrees) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|-------------------|-------------|----------|
| 1      | * 3.784         | 37.76                | PK-U | 33.5           | -28.5                  | 42.76                      | -                  | -           | 74                  | -31.24         | -                            | -              | 145               | 218         | H        |
|        | * 3.785         | 27.68                | ADR  | 33.5           | -28.5                  | 32.68                      | 54                 | -21.32      | -                   | -              | -                            | -              | 145               | 218         | H        |
| 2      | * 3.905         | 37.95                | PK-U | 33.5           | -28.7                  | 42.75                      | -                  | -           | 74                  | -31.25         | -                            | -              | 198               | 211         | H        |
|        | * 3.906         | 28.12                | ADR  | 33.5           | -28.7                  | 32.92                      | 54                 | -21.08      | -                   | -              | -                            | -              | 198               | 211         | H        |
| 3      | * 4.946         | 38.66                | PK-U | 34.1           | -26.5                  | 46.26                      | -                  | -           | 74                  | -27.74         | -                            | -              | 135               | 128         | H        |
|        | * 4.947         | 29.07                | ADR  | 34.1           | -26.5                  | 36.67                      | 54                 | -17.33      | -                   | -              | -                            | -              | 135               | 128         | H        |
| 4      | * 4.947         | 44.21                | PK-U | 34.1           | -26.5                  | 51.81                      | -                  | -           | 74                  | -22.19         | -                            | -              | 109               | 248         | V        |
|        | * 4.947         | 38.03                | ADR  | 34.1           | -26.5                  | 45.63                      | 54                 | -8.37       | -                   | -              | -                            | -              | 109               | 248         | V        |
| 5      | 10.194          | 33.82                | PK-U | 37.5           | -20.3                  | 51.02                      | -                  | -           | -                   | -              | 68.2                         | -17.18         | 106               | 265         | V        |
| 6      | 10.596          | 33.64                | PK-U | 37.8           | -21                    | 50.44                      | -                  | -           | -                   | -              | 68.2                         | -17.76         | 118               | 284         | 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 HARMONICS AND SPURIOUS EMISSIONS



**DATA**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (dB/m) | Amp/Cb I/Filtr/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 (Degrees) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-------------------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|-------------------|-------------|----------|
| 1      | * 3.657         | 38.25                | PK-U | 33.4           | -29                     | 42.65                      | -                  | -           | 74                  | -31.35         | -                            | -              | 65                | 165         | H        |
|        | * 3.657         | 27.61                | ADR  | 33.4           | -29                     | 32.01                      | 54                 | -21.99      | -                   | -              | -                            | -              | 65                | 165         | H        |
| 2      | * 3.843         | 38.89                | PK-U | 33.5           | -28.6                   | 43.79                      | -                  | -           | 74                  | -30.21         | -                            | -              | 125               | 192         | H        |
|        | * 3.843         | 28.01                | ADR  | 33.5           | -28.6                   | 32.91                      | 54                 | -21.09      | -                   | -              | -                            | -              | 125               | 192         | H        |
| 3      | * 4.961         | 38.5                 | PK-U | 34.1           | -26.6                   | 46                         | -                  | -           | 74                  | -28            | -                            | -              | 46                | 128         | H        |
|        | * 4.962         | 27.71                | ADR  | 34.1           | -26.6                   | 35.21                      | 54                 | -18.79      | -                   | -              | -                            | -              | 46                | 128         | H        |
| 4      | * 4.575         | 37.58                | PK-U | 34.1           | -27.2                   | 44.48                      | -                  | -           | 74                  | -29.52         | -                            | -              | 68                | 212         | V        |
|        | * 4.577         | 27.52                | ADR  | 34.1           | -27.1                   | 34.52                      | 54                 | -19.48      | -                   | -              | -                            | -              | 68                | 212         | V        |
| 5      | * 4.771         | 38.01                | PK-U | 34             | -27.2                   | 44.81                      | -                  | -           | 74                  | -29.19         | -                            | -              | 211               | 118         | V        |
|        | * 4.769         | 27.53                | ADR  | 34             | -27.2                   | 34.33                      | 54                 | -19.67      | -                   | -              | -                            | -              | 211               | 118         | V        |
| 6      | * 4.965         | 43.45                | PK-U | 34.1           | -26.6                   | 50.95                      | -                  | -           | 74                  | -23.05         | -                            | -              | 84                | 235         | V        |
|        | * 4.965         | 37.29                | ADR  | 34.1           | -26.6                   | 44.79                      | 54                 | -9.21       | -                   | -              | -                            | -              | 84                | 235         | V        |

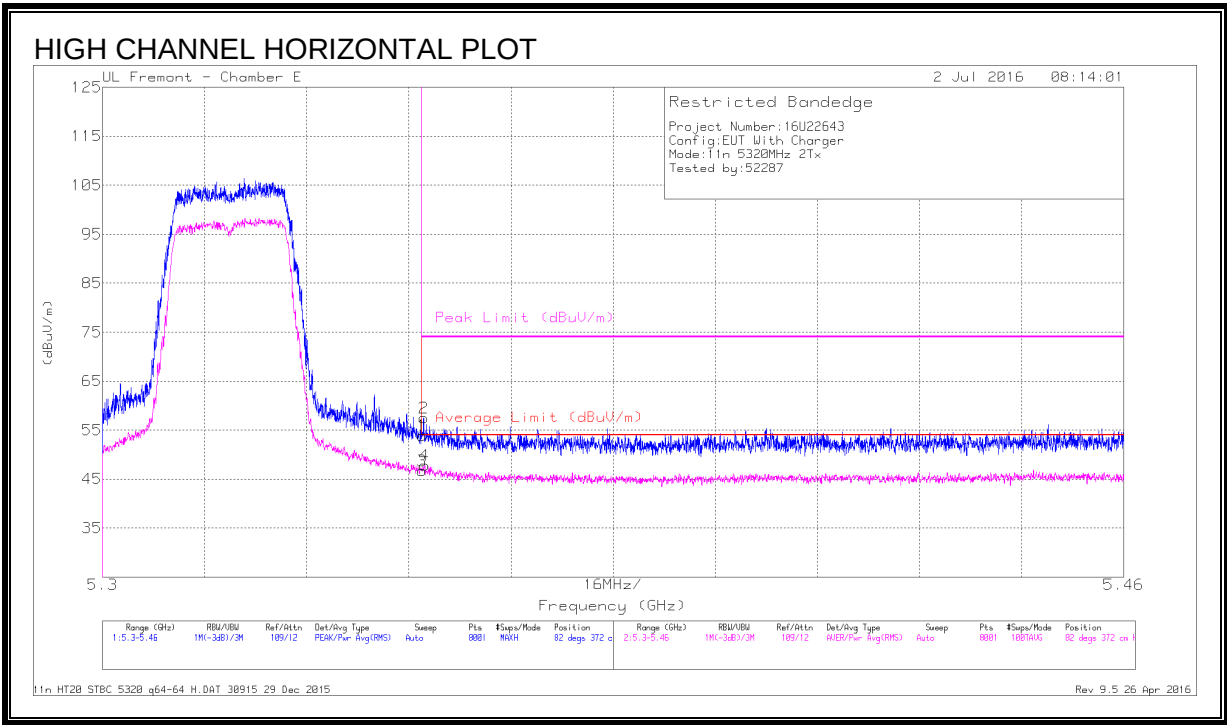
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

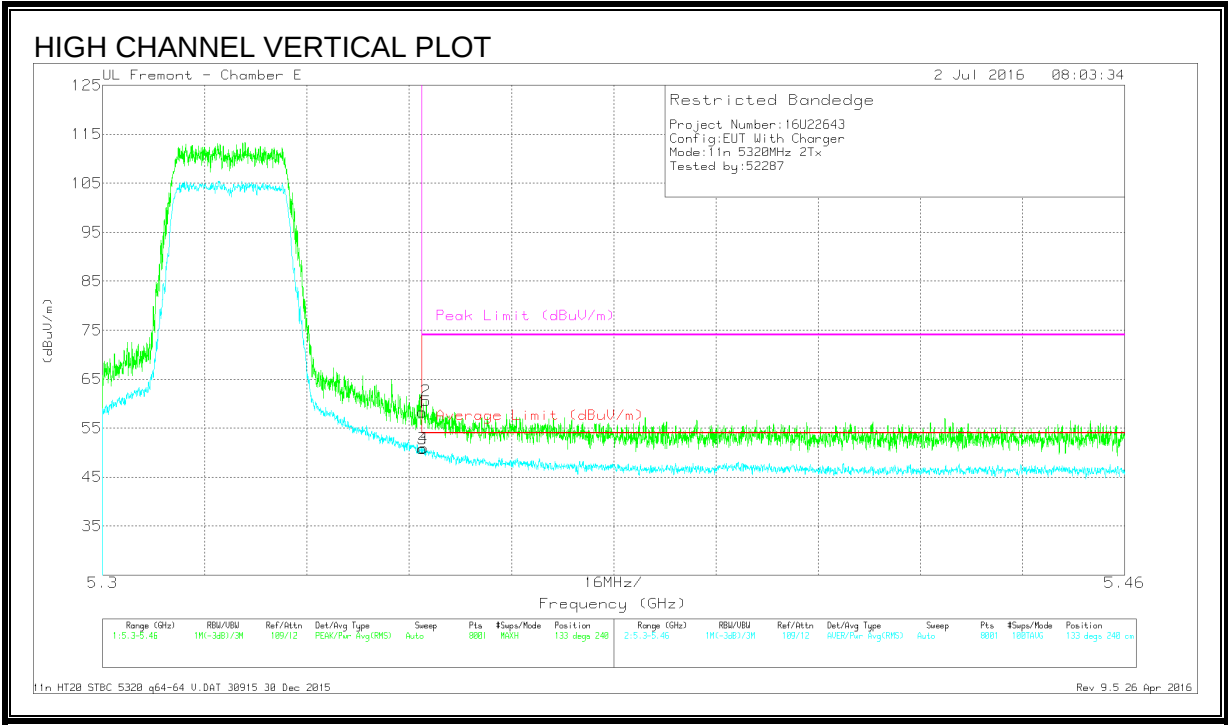
9.16. 802.11n HT20 2Tx STBC MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL)



DATA

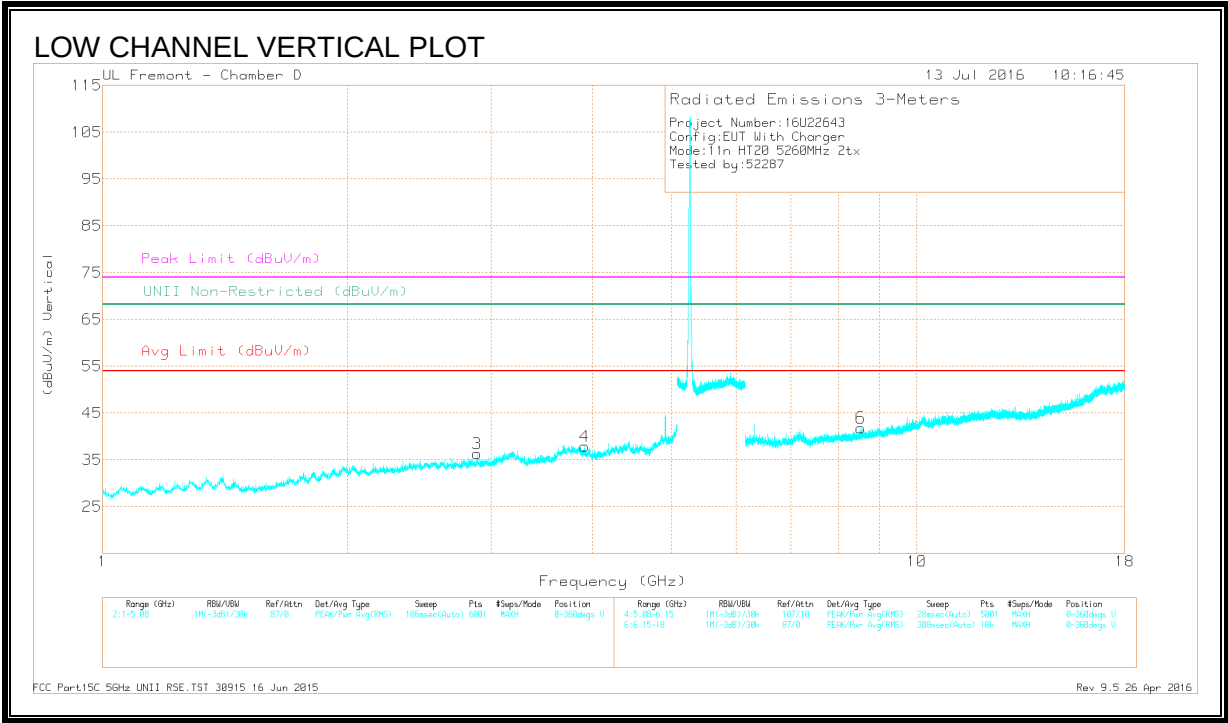
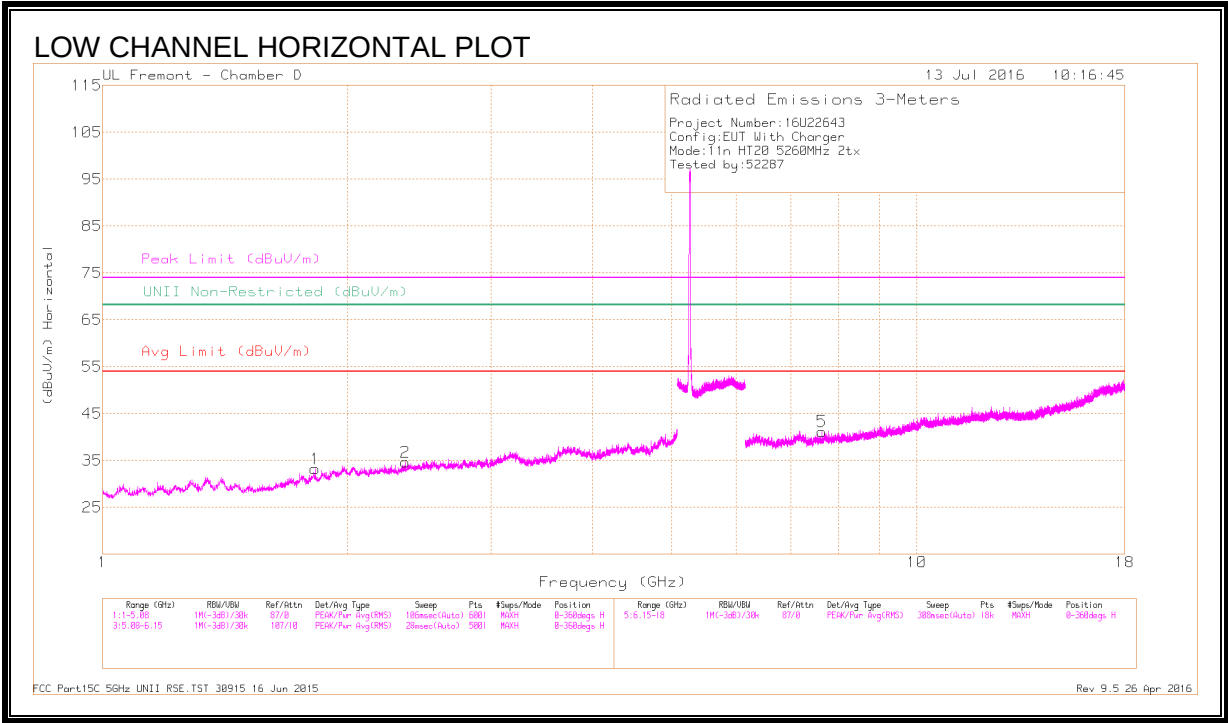
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T711 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.35          | 39.14                | Pk  | 34.4           | -19.6                  | 53.94                      | -                      | -           | 74                  | -20.06         | 82             | 372         | H        |
| 2      | * 5.35          | 42.69                | Pk  | 34.4           | -19.6                  | 57.49                      | -                      | -           | 74                  | -16.51         | 82             | 372         | H        |
| 3      | * 5.35          | 31.85                | RMS | 34.4           | -19.6                  | 46.65                      | 54                     | -7.35       | -                   | -              | 82             | 372         | H        |
| 4      | * 5.35          | 33                   | RMS | 34.4           | -19.6                  | 47.8                       | 54                     | -6.2        | -                   | -              | 82             | 372         | H        |



DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T711 (dB/m) | Amp/Cbl/Fltr/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          | 43.47                | Pk  | 34.4           | -19.6                 | 58.27                      | -                      | -           | 74                  | -15.73         | 133            | 240         | V        |
| 3      | * 5.35          | 36.05                | RMS | 34.4           | -19.6                 | 50.85                      | 54                     | -3.15       | -                   | -              | 133            | 240         | V        |
| 4      | * 5.35          | 36.12                | RMS | 34.4           | -19.6                 | 50.92                      | 54                     | -3.08       | -                   | -              | 133            | 240         | V        |
| 2      | * 5.351         | 45.75                | Pk  | 34.4           | -19.6                 | 60.55                      | -                      | -           | 74                  | -13.45         | 133            | 240         | V        |

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



# **DATA**

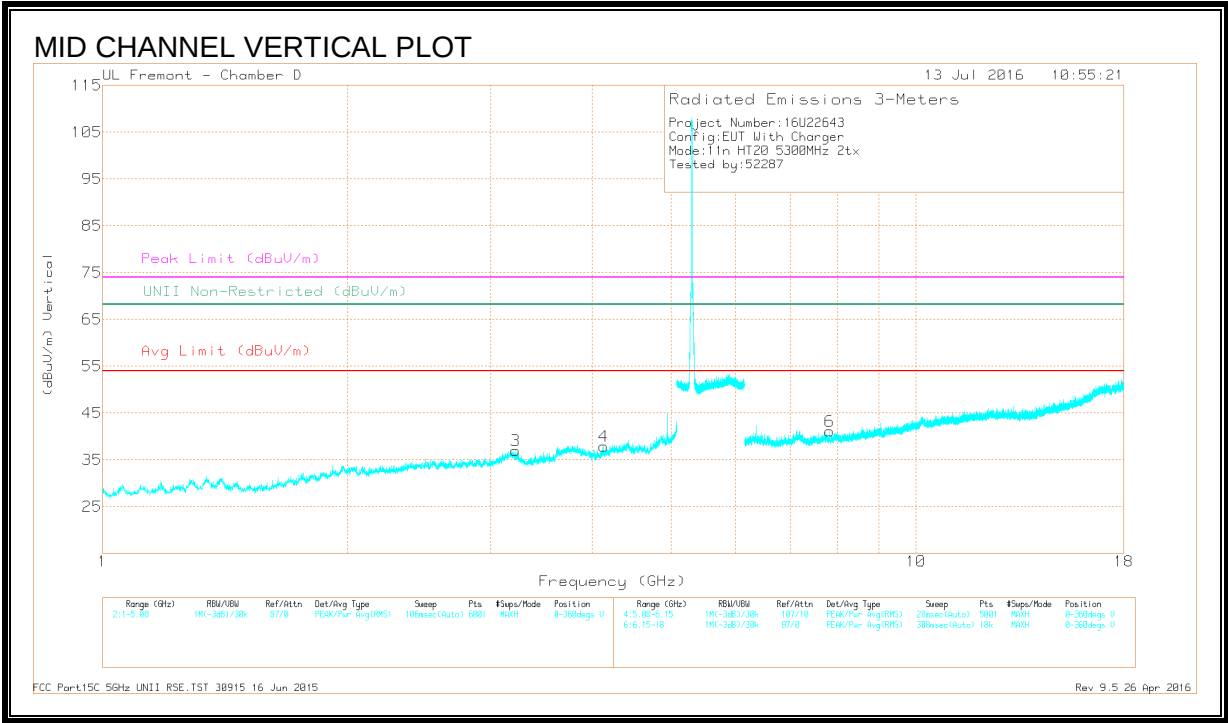
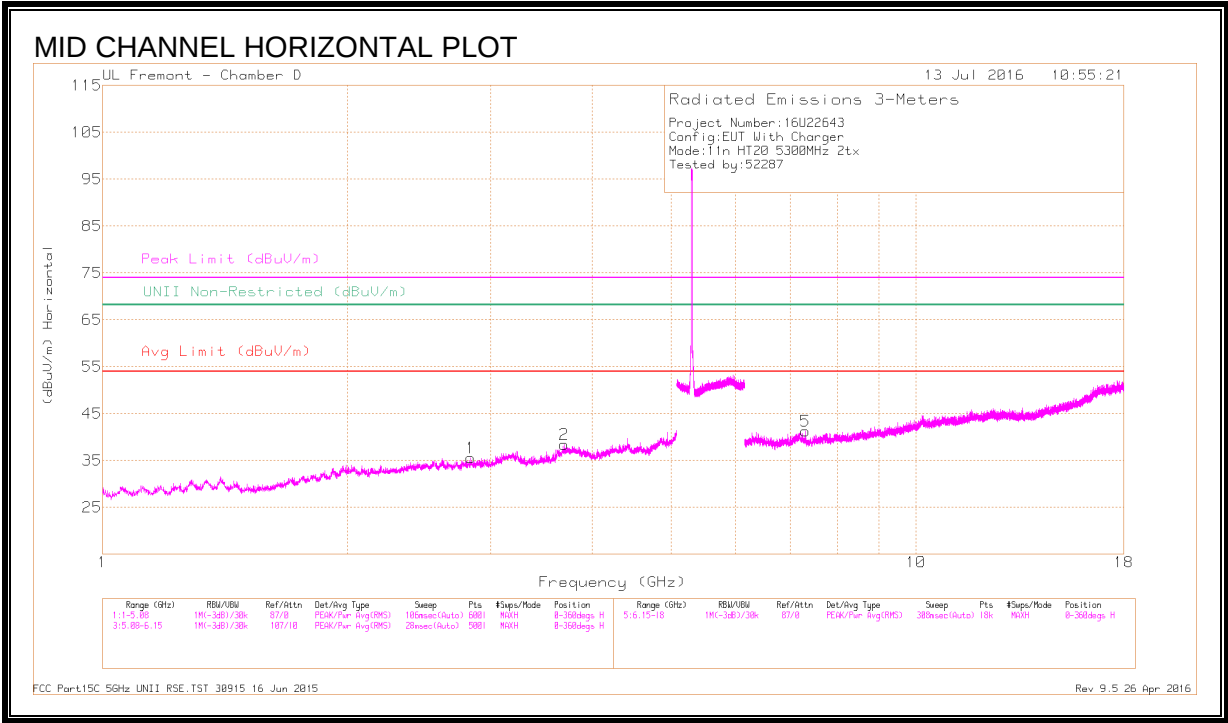
| Mark<br>er | Frequ<br>ency<br>(GHz) | Meter<br>Readi<br>ng<br>(dBuV<br>) | Det  | AF<br>T712<br>(dB/<br>m) | Amp/<br>Cbl/FI<br>tr/Pa<br>d<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m<br>) | Avg<br>Limit<br>(dBu<br>V/m) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV<br>/m) | PK<br>Margin<br>(dB) | UNII<br>Non-<br>Rest<br>ricte<br>d<br>(dBu<br>V/m) | PK<br>Margi<br>n<br>(dB) | Azi<br>mut<br>h<br>(De<br>gs) | Hei<br>ght<br>(c<br>m) | Pol<br>arit<br>y |
|------------|------------------------|------------------------------------|------|--------------------------|--------------------------------------|------------------------------------------|------------------------------|----------------|-------------------------------|----------------------|----------------------------------------------------|--------------------------|-------------------------------|------------------------|------------------|
| 2          | * 2.354                | 39.17                              | PK-U | 31.8                     | -30.3                                | 40.67                                    | -                            | -              | 74                            | -33.33               | -                                                  | -                        | 91                            | 114                    | H                |
|            | * 2.354                | 28.18                              | ADR  | 31.8                     | -30.3                                | 29.68                                    | 54                           | -24.32         | -                             | -                    | -                                                  | -                        | 91                            | 114                    | H                |
| 3          | * 2.886                | 38.8                               | PK-U | 32.3                     | -29.1                                | 42                                       | -                            | -              | 74                            | -32                  | -                                                  | -                        | 296                           | 390                    | V                |
|            | * 2.886                | 27.77                              | ADR  | 32.3                     | -29.1                                | 30.97                                    | 54                           | -23.03         | -                             | -                    | -                                                  | -                        | 296                           | 390                    | V                |
|            | * 3.91                 | 37.78                              | PK-U | 33.5                     | -28.6                                | 42.68                                    | -                            | -              | 74                            | -31.32               | -                                                  | -                        | 258                           | 352                    | V                |
| 4          | * 3.913                | 27.31                              | ADR  | 33.5                     | -28.5                                | 32.31                                    | 54                           | -21.69         | -                             | -                    | -                                                  | -                        | 258                           | 352                    | V                |
| 5          | * 7.637                | 35.68                              | PK-U | 35.8                     | -25.1                                | 46.38                                    | -                            | -              | 74                            | -27.62               | -                                                  | -                        | 360                           | 250                    | H                |
|            | * 7.636                | 25.24                              | ADR  | 35.8                     | -25.1                                | 35.94                                    | 54                           | -18.06         | -                             | -                    | -                                                  | -                        | 360                           | 250                    | H                |
| 1          | 1.824                  | 39.98                              | PK-U | 30.2                     | -31.1                                | 39.08                                    | -                            | -              | -                             | -                    | 68.2                                               | -29.12                   | 90                            | 262                    | H                |
| 6          | 8.534                  | 34.3                               | PK-U | 35.8                     | -23                                  | 47.1                                     | -                            | -              | -                             | -                    | 68.2                                               | -21.1                    | 202                           | 392                    | 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 HARMONICS AND SPURIOUS EMISSIONS



# **DATA**

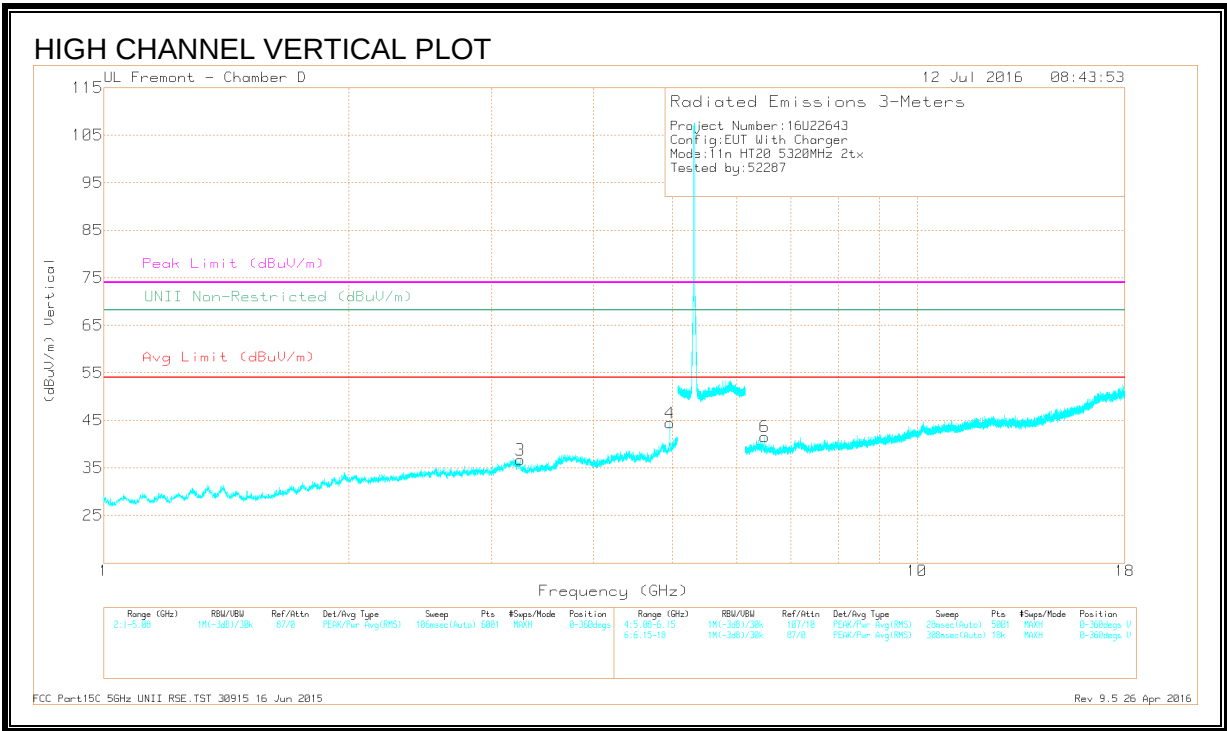
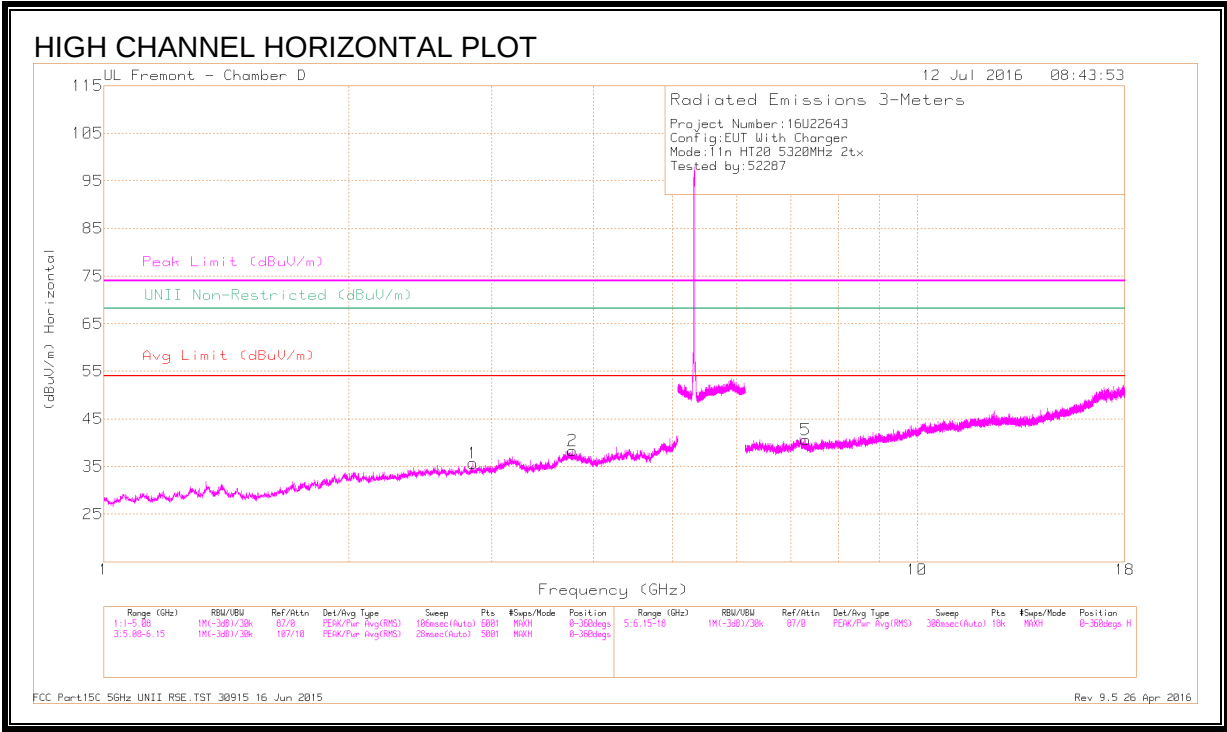
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 2.836         | 39.46                | PK-U | 32.3           | -29.1                  | 42.66                      | -                  | -           | 74                  | -31.34         | -                            | -              | 204            | 206         | H        |
|        | * 2.836         | 27.91                | ADR  | 32.3           | -29.1                  | 31.11                      | 54                 | -22.89      | -                   | -              | -                            | -              | 204            | 206         | H        |
| 2      | * 3.693         | 37.82                | PK-U | 33.5           | -29                    | 42.32                      | -                  | -           | 74                  | -31.68         | -                            | -              | 130            | 351         | H        |
|        | * 3.692         | 27.7                 | ADR  | 33.5           | -29                    | 32.2                       | 54                 | -21.8       | -                   | -              | -                            | -              | 130            | 351         | H        |
| 4      | * 4.13          | 38.13                | PK-U | 33.5           | -28.2                  | 43.43                      | -                  | -           | 74                  | -30.57         | -                            | -              | 353            | 248         | V        |
|        | * 4.131         | 27.12                | ADR  | 33.5           | -28.2                  | 32.42                      | 54                 | -21.58      | -                   | -              | -                            | -              | 353            | 248         | V        |
| 5      | * 7.305         | 36.62                | PK-U | 35.7           | -25.2                  | 47.12                      | -                  | -           | 74                  | -26.88         | -                            | -              | 297            | 264         | H        |
|        | * 7.302         | 25.67                | ADR  | 35.7           | -25.2                  | 36.17                      | 54                 | -17.83      | -                   | -              | -                            | -              | 297            | 264         | H        |
| 3      | 3.219           | 38.83                | PK-U | 33.8           | -29.2                  | 43.43                      | -                  | -           | -                   | -              | 68.2                         | -24.77         | 345            | 197         | V        |
| 6      | 7.829           | 35.66                | PK-U | 35.9           | -24.4                  | 47.16                      | -                  | -           | -                   | -              | 68.2                         | -21.04         | 360            | 338         | 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 HARMONICS AND SPURIOUS EMISSIONS



# **DATA**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (dB/m) | Amp/Cbl/Filtr/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 (Degrees) | Height (cm) | Polarization |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|-------------------|-------------|--------------|
|        | * 2.842         | 38.75                | PK-U | 32.3           | -29.1                  | 41.95                      | -                  | -           | 74                  | -32.05         | -                            | -              | 242               | 165         | H            |
| 1      | * 2.843         | 27.94                | ADR  | 32.3           | -29.1                  | 31.14                      | 54                 | -22.86      | -                   | -              | -                            | -              | 242               | 165         | H            |
|        | * 3.769         | 38.47                | PK-U | 33.5           | -28.6                  | 43.37                      | -                  | -           | 74                  | -30.63         | -                            | -              | 321               | 152         | H            |
| 2      | * 3.772         | 27.23                | ADR  | 33.5           | -28.6                  | 32.13                      | 54                 | -21.87      | -                   | -              | -                            | -              | 321               | 152         | H            |
|        | * 4.965         | 43.57                | PK-U | 34.1           | -26.6                  | 51.07                      | -                  | -           | 74                  | -22.93         | -                            | -              | 267               | 239         | V            |
|        | * 4.965         | 37.24                | ADR  | 34.1           | -26.6                  | 44.74                      | 54                 | -9.26       | -                   | -              | -                            | -              | 267               | 239         | V            |
| 5      | * 7.295         | 36.09                | PK-U | 35.7           | -25                    | 46.79                      | -                  | -           | 74                  | -27.21         | -                            | -              | 215               | 260         | H            |
|        | * 7.297         | 25.62                | ADR  | 35.7           | -25.1                  | 36.22                      | 54                 | -17.78      | -                   | -              | -                            | -              | 215               | 260         | H            |
| 3      | 3.251           | 39.08                | PK-U | 33.3           | -29.3                  | 43.08                      | -                  | -           | -                   | -              | 68.2                         | -25.12         | 81                | 392         | V            |
| 6      | 6.501           | 35.92                | PK-U | 35.6           | -25.2                  | 46.32                      | -                  | -           | -                   | -              | 68.2                         | -21.88         | 209               | 266         | V            |

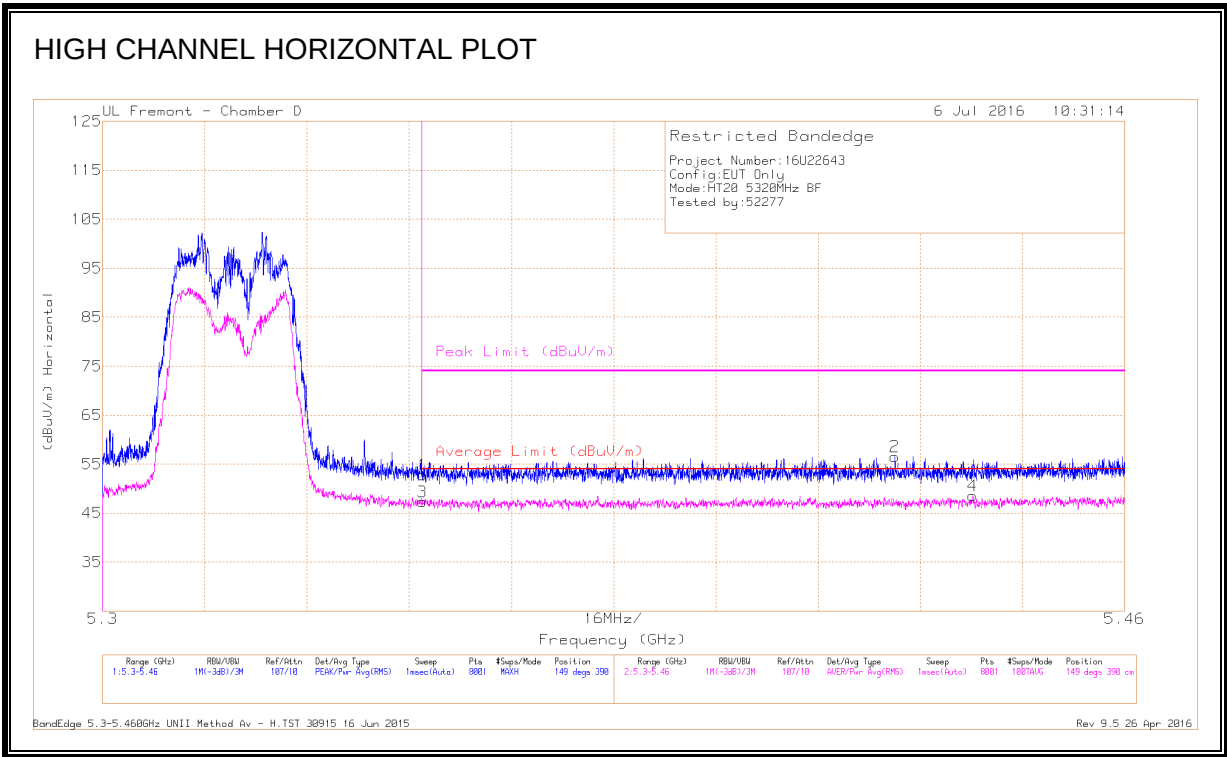
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.17. 802.11n VHT20 2Tx BEAM FORMING MODE IN THE 5.3 GHz BAND

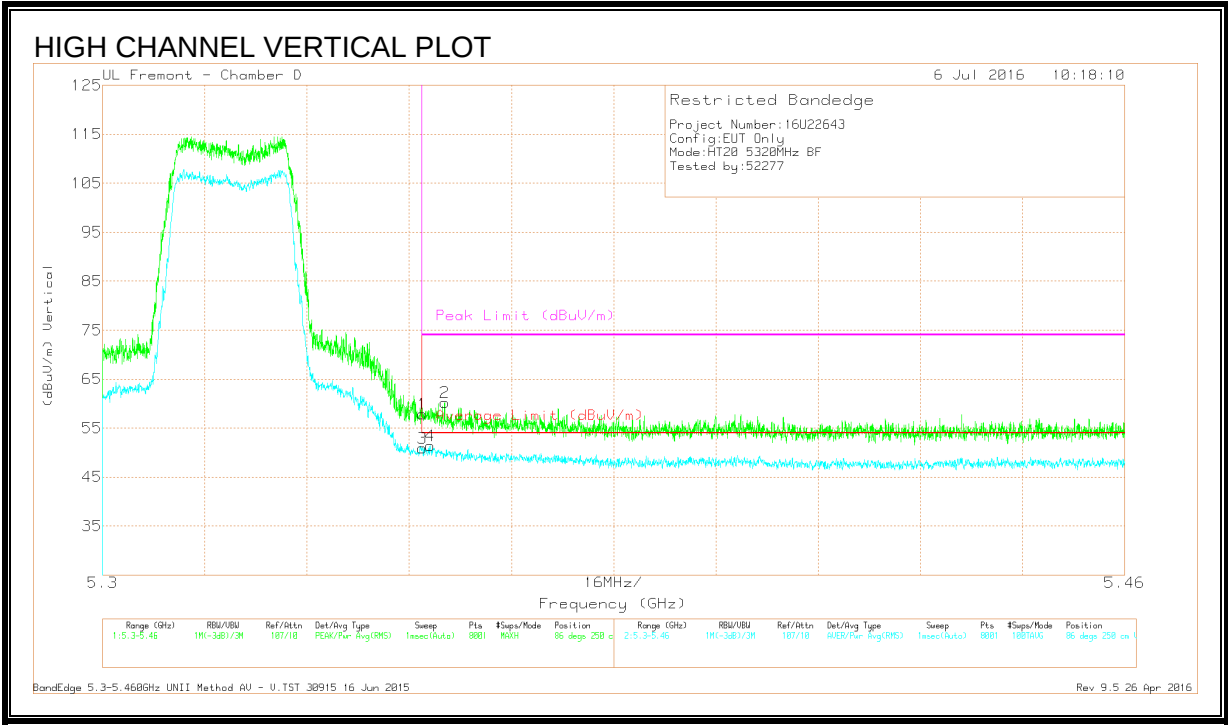
RESTRICTED BANDEDGE (HIGH CHANNEL)



DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | 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          | 36.73                | Pk  | 34.3           | -18.2                  | 0            | 52.83                      | -                      | -           | 74                  | -21.17         | 149            | 390         | H        |
| 2      | * 5.424         | 40.16                | Pk  | 34.4           | -18                    | 0            | 56.56                      | -                      | -           | 74                  | -17.44         | 149            | 390         | H        |
| 3      | * 5.35          | 29.87                | RMS | 34.3           | -18.2                  | .10          | 46.19                      | 54                     | -7.81       | -                   | -              | 149            | 390         | H        |
| 4      | * 5.436         | 30.88                | RMS | 34.4           | -18                    | .10          | 47.51                      | 54                     | -6.49       | -                   | -              | 149            | 390         | H        |

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

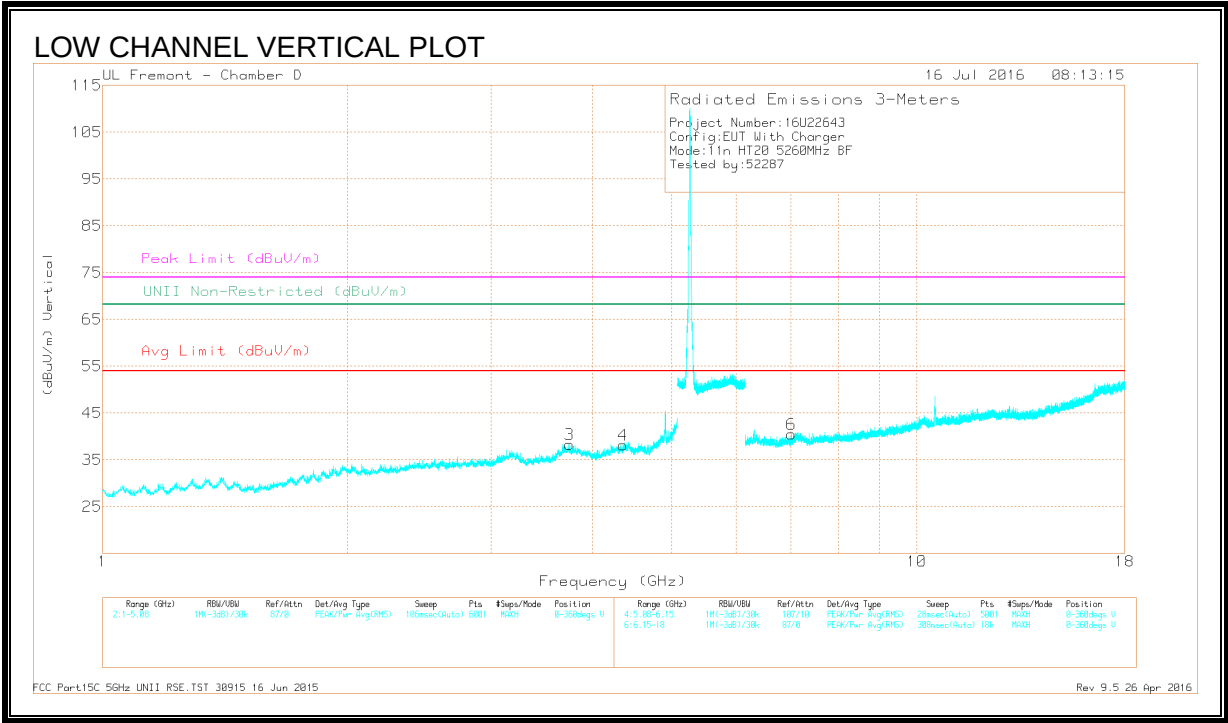
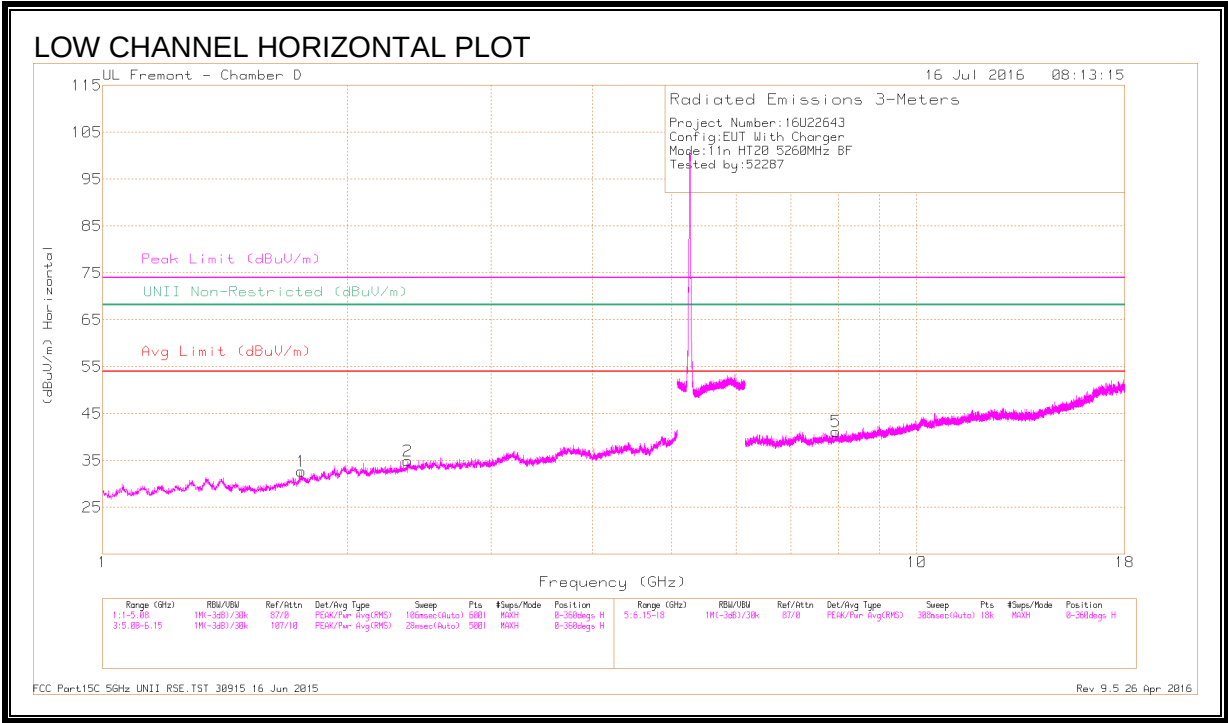


DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/Cb I/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 (Degrees) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|--------------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|-------------------|-------------|----------|
| 1      | * 5.35          | 41.74                | Pk  | 34.3           | -18.2                    | 0            | 57.84                      | -                      | -           | 74                  | -16.16         | 86                | 250         | V        |
| 3      | * 5.35          | 33.51                | RMS | 34.3           | -18.2                    | .10          | 49.94                      | 54                     | -4.06       | -                   | -              | 86                | 250         | V        |
| 4      | * 5.351         | 33.95                | RMS | 34.3           | -18.2                    | .10          | 50.28                      | 54                     | -3.72       | -                   | -              | 86                | 250         | V        |
| 2      | * 5.354         | 44.08                | Pk  | 34.3           | -18.2                    | 0            | 60.18                      | -                      | -           | 74                  | -13.82         | 86                | 250         | V        |

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

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



# DATA

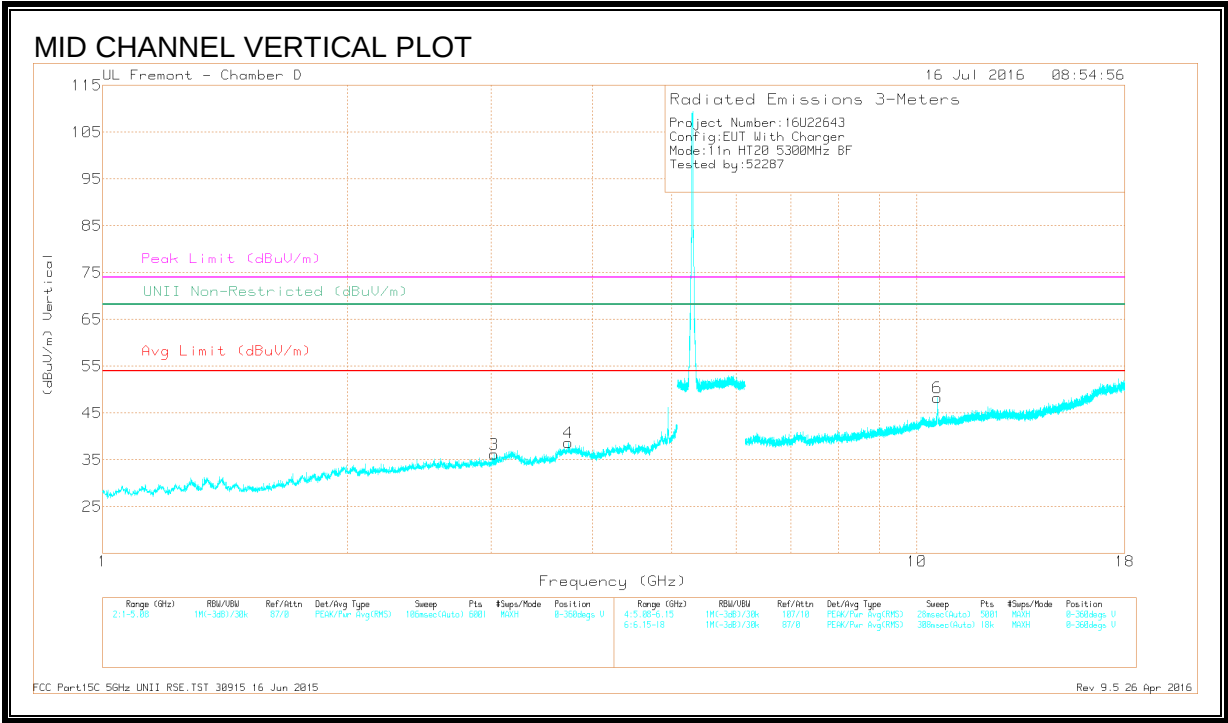
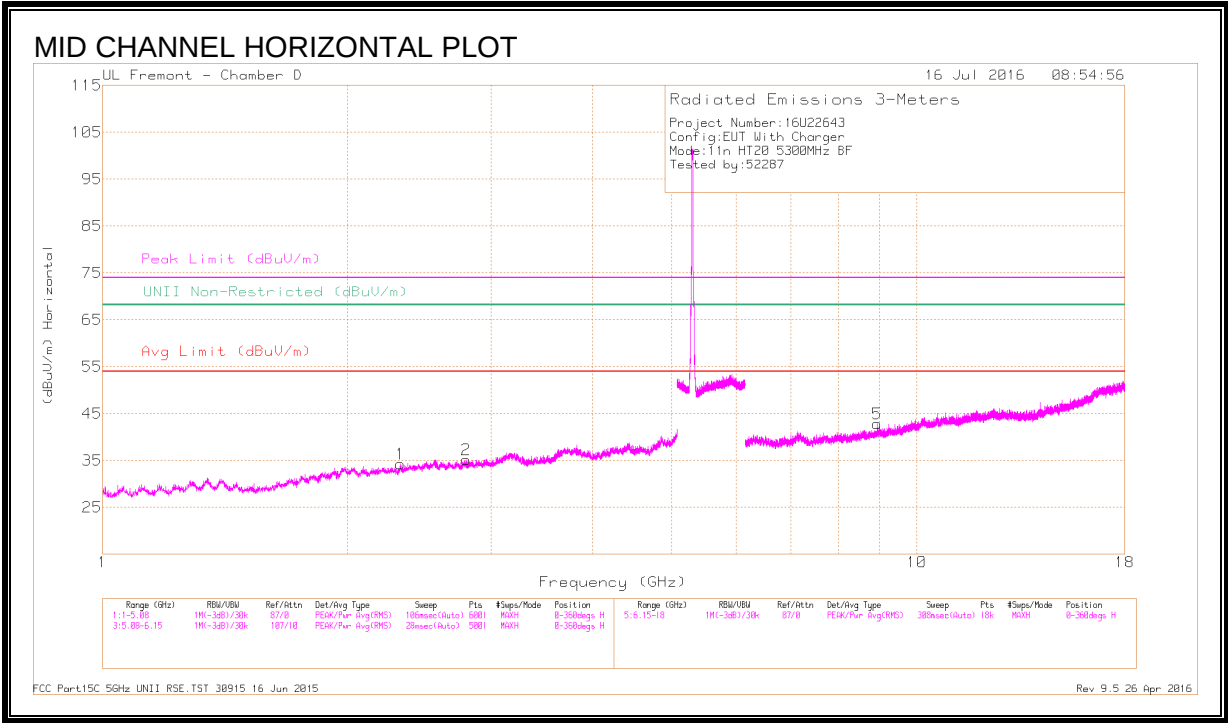
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarization |
|--------|-----------------|----------------------|------|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|--------------|
|        | * 2.37          | 39.73                | PK-U | 32             | -30.3                  | 0            | 41.43                      | -                  | -           | 74                  | -32.57         | -                            | -              | 360            | 226         | H            |
| 2      | * 2.368         | 28.2                 | ADR  | 31.9           | -30.3                  | .1           | 29.9                       | 54                 | -24.1       | -                   | -              | -                            | -              | 360            | 226         | H            |
| 3      | * 3.747         | 39.11                | PK-U | 33.5           | -28.8                  | 0            | 43.81                      | -                  | -           | 74                  | -30.19         | -                            | -              | 351            | 199         | V            |
|        | * 3.745         | 27.46                | ADR  | 33.5           | -28.8                  | .1           | 32.26                      | 54                 | -21.74      | -                   | -              | -                            | -              | 351            | 199         | V            |
| 4      | * 4.352         | 38                   | PK-U | 33.7           | -28.1                  | 0            | 43.6                       | -                  | -           | 74                  | -30.4          | -                            | -              | 349            | 253         | V            |
|        | * 4.352         | 26.81                | ADR  | 33.7           | -28.1                  | .1           | 32.51                      | 54                 | -21.49      | -                   | -              | -                            | -              | 349            | 253         | V            |
| 1      | 1.752           | 39.92                | PK-U | 29.6           | -30.8                  | 0            | 38.72                      | -                  | -           | -                   | -              | 68.2                         | -29.48         | 351            | 298         | H            |
| 6      | 7.013           | 36.28                | PK-U | 35.7           | -25.7                  | 0            | 46.28                      | -                  | -           | -                   | -              | 68.2                         | -21.92         | 63             | 329         | V            |
| 5      | 7.946           | 35.03                | PK-U | 35.9           | -23.7                  | 0            | 47.23                      | -                  | -           | -                   | -              | 68.2                         | -20.97         | 349            | 296         | 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 HARMONICS AND SPURIOUS EMISSIONS



# DATA

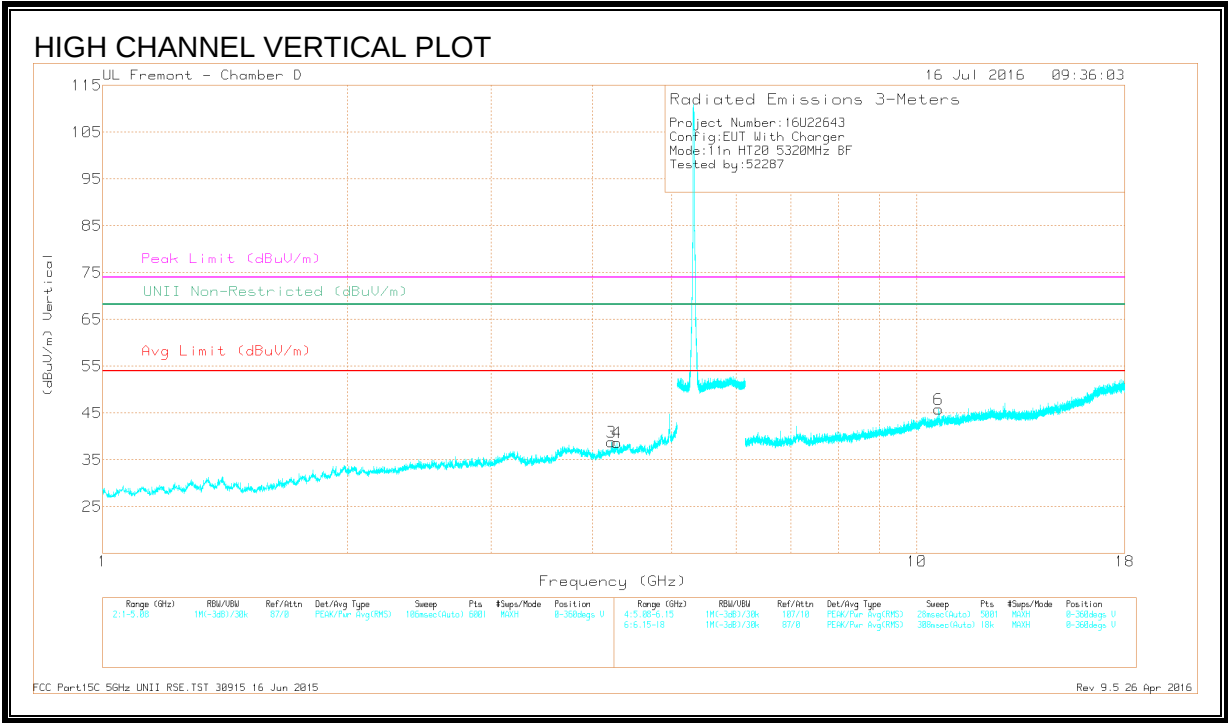
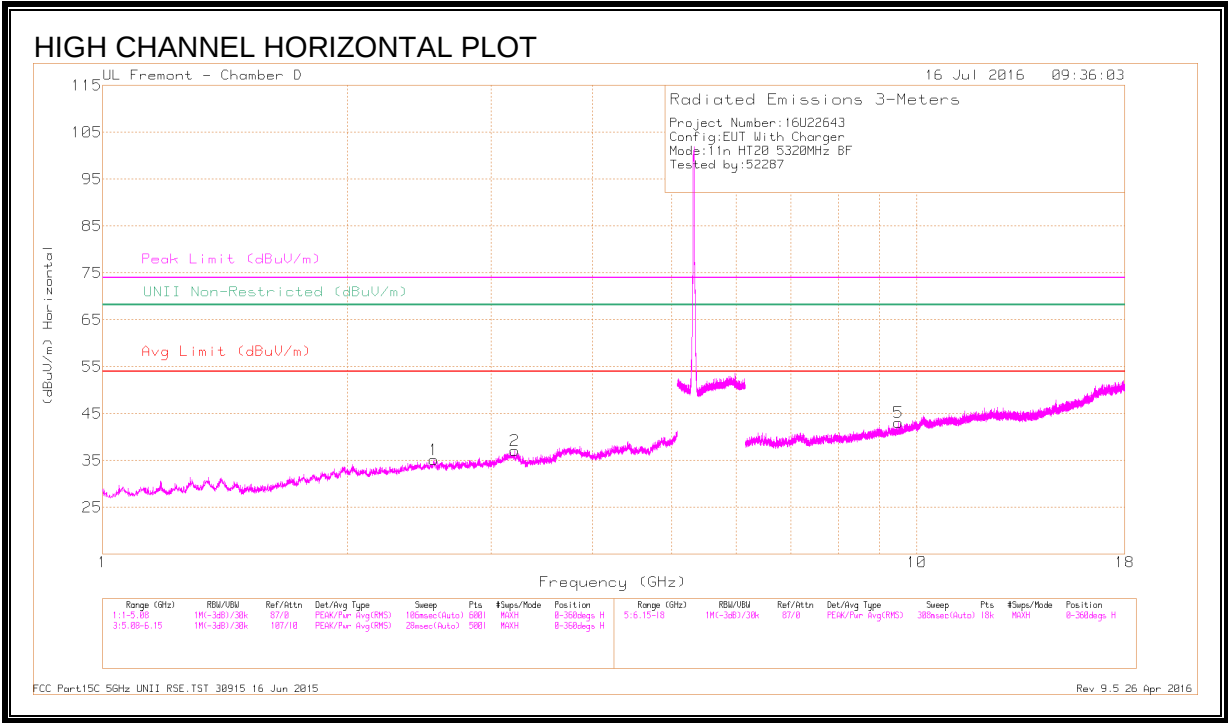
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (dB/m) | Amp/Cbl/Fitter/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degrees) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|-------------------|-------------|----------|
| 1      | * 2.322         | 39.74                | PK-U | 31.6           | -30.3                   | 0            | 41.04                      | -                  | -           | 74                  | -32.96         | -                            | -              | 357               | 206         | H        |
|        | * 2.325         | 28.35                | ADR  | 31.6           | -30.3                   | .1           | 29.75                      | 54                 | -24.25      | -                   | -              | -                            | -              | 357               | 206         | H        |
|        | * 2.794         | 38.77                | PK-U | 32.3           | -29.5                   | 0            | 41.57                      | -                  | -           | 74                  | -32.43         | -                            | -              | 301               | 245         | H        |
| 2      | * 2.794         | 27.77                | ADR  | 32.3           | -29.5                   | .1           | 30.67                      | 54                 | -23.33      | -                   | -              | -                            | -              | 301               | 245         | H        |
|        | * 3.732         | 37.64                | PK-U | 33.5           | -28.8                   | 0            | 42.34                      | -                  | -           | 74                  | -31.66         | -                            | -              | 9                 | 241         | V        |
| 4      | * 3.734         | 27.66                | ADR  | 33.5           | -28.8                   | .1           | 32.46                      | 54                 | -21.54      | -                   | -              | -                            | -              | 9                 | 241         | V        |
|        | * 10.602        | 38.84                | PK-U | 37.8           | -21                     | 0            | 55.64                      | -                  | -           | 74                  | -18.36         | -                            | -              | 170               | 113         | V        |
| 6      | * 10.603        | 26.63                | ADR  | 37.8           | -21                     | .1           | 43.53                      | 54                 | -10.47      | -                   | -              | -                            | -              | 170               | 113         | V        |
| 3      | 3.027           | 39.38                | PK-U | 32.8           | -29.9                   | 0            | 42.28                      | -                  | -           | -                   | -              | 68.2                         | -25.92         | 95                | 177         | V        |
| 5      | 8.937           | 34.29                | PK-U | 36.1           | -23                     | 0            | 47.39                      | -                  | -           | -                   | -              | 68.2                         | -20.81         | 145               | 134         | 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 HARMONICS AND SPURIOUS EMISSIONS



# **DATA**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T12 (dB/m) | Amp/Cb I/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 (Deg) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|---------------|-------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|---------------|-------------|----------|
| 3      | * 4.218         | 37.64                | PK-U | 33.5          | -27.5                   | 0            | 43.64                      | -                  | -           | 74                  | -30.36         | -                            | -              | 85            | 383         | V        |
|        | * 4.218         | 26.67                | ADR  | 33.5          | -27.5                   | .1           | 32.77                      | 54                 | -21.23      | -                   | -              | -                            | -              | 85            | 383         | V        |
| 4      | * 4.283         | 37.63                | PK-U | 33.5          | -27.7                   | 0            | 43.43                      | -                  | -           | 74                  | -30.57         | -                            | -              | 273           | 208         | V        |
|        | * 4.284         | 26.84                | ADR  | 33.5          | -27.8                   | .1           | 32.64                      | 54                 | -21.36      | -                   | -              | -                            | -              | 273           | 208         | V        |
| 5      | * 9.484         | 33.22                | PK-U | 36.6          | -21.3                   | 0            | 48.52                      | -                  | -           | 74                  | -25.48         | -                            | -              | 13            | 276         | H        |
|        | * 9.484         | 22.57                | ADR  | 36.6          | -21.3                   | .1           | 37.97                      | 54                 | -16.03      | -                   | -              | -                            | -              | 13            | 276         | H        |
| 6      | * 10.638        | 36.61                | PK-U | 37.8          | -21.5                   | 0            | 52.91                      | -                  | -           | 74                  | -21.09         | -                            | -              | 286           | 110         | V        |
|        | * 10.638        | 25.01                | ADR  | 37.8          | -21.5                   | .1           | 41.41                      | 54                 | -12.59      | -                   | -              | -                            | -              | 286           | 110         | V        |
| 1      | 2.552           | 39.03                | PK-U | 32.2          | -29.6                   | 0            | 41.63                      | -                  | -           | -                   | -              | 68.2                         | -26.57         | 165           | 382         | H        |
| 2      | 3.211           | 38.56                | PK-U | 33.9          | -29.2                   | 0            | 43.26                      | -                  | -           | -                   | -              | 68.2                         | -24.94         | 120           | 358         | H        |

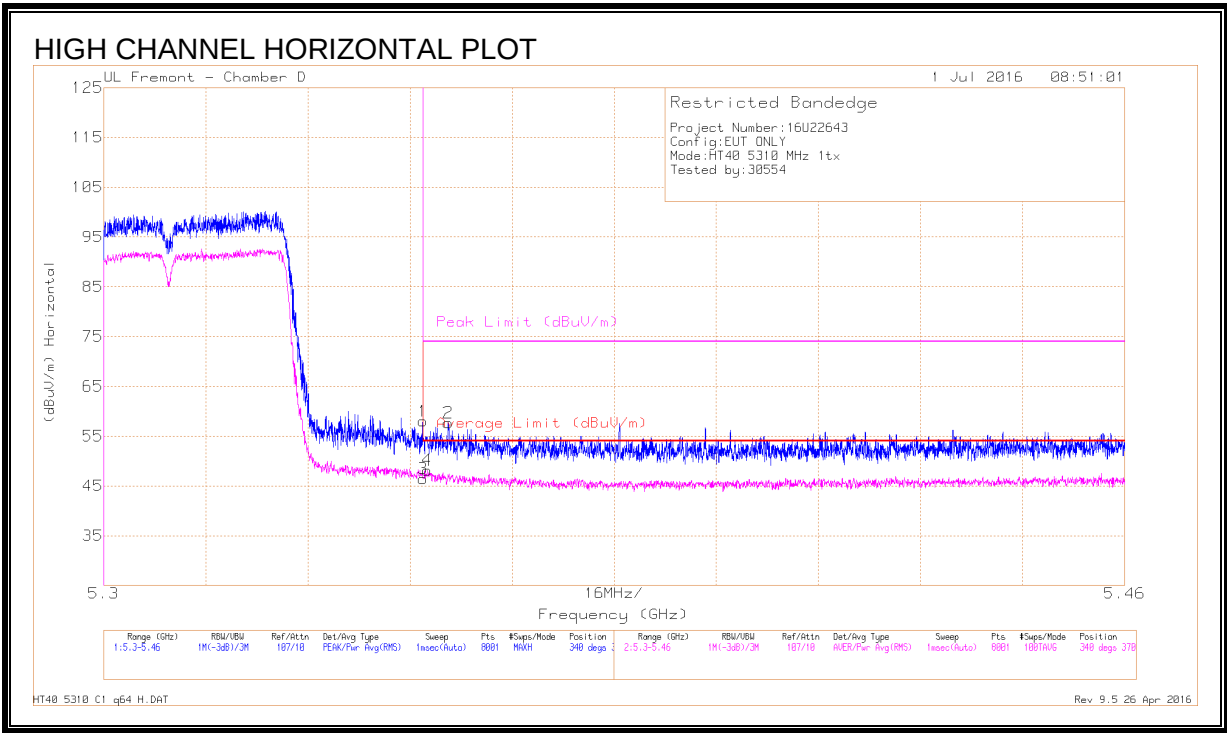
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.18. 802.11n HT40 1Tx MODE IN THE 5.3 GHz BAND

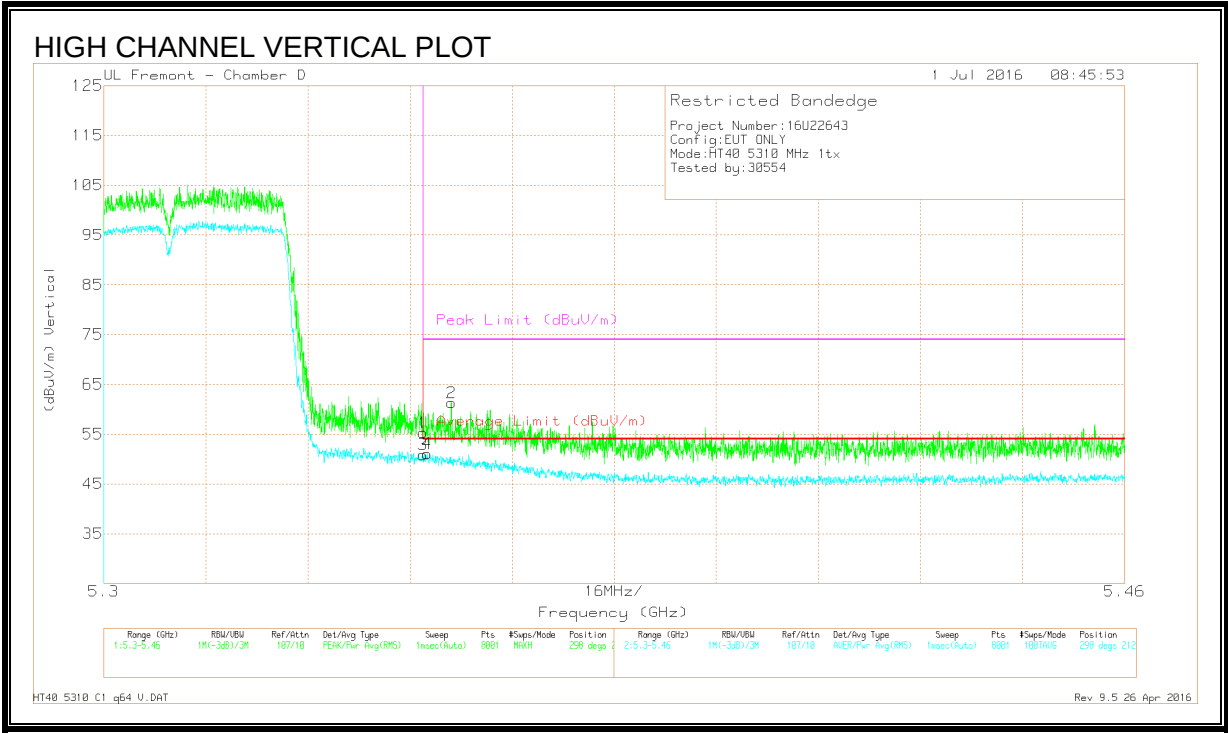
RESTRICTED BANDEDGE,CHAIN 0 (HIGH CHANNEL)



DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (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 (Degrees) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|-------------------|-------------|----------|
| 1      | * 5.35          | 41.89                | Pk  | 34.3           | -18.2                  | 57.99                      | -                      | -           | 74                  | -16.01         | 340               | 370         | H        |
| 2      | * 5.354         | 41.6                 | Pk  | 34.3           | -18.2                  | 57.7                       | -                      | -           | 74                  | -16.3          | 340               | 370         | H        |
| 3      | * 5.35          | 30.38                | RMS | 34.3           | -18.2                  | 46.48                      | 54                     | -7.52       | -                   | -              | 340               | 370         | H        |
| 4      | * 5.351         | 32.07                | RMS | 34.3           | -18.2                  | 48.17                      | 54                     | -5.83       | -                   | -              | 340               | 370         | H        |

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

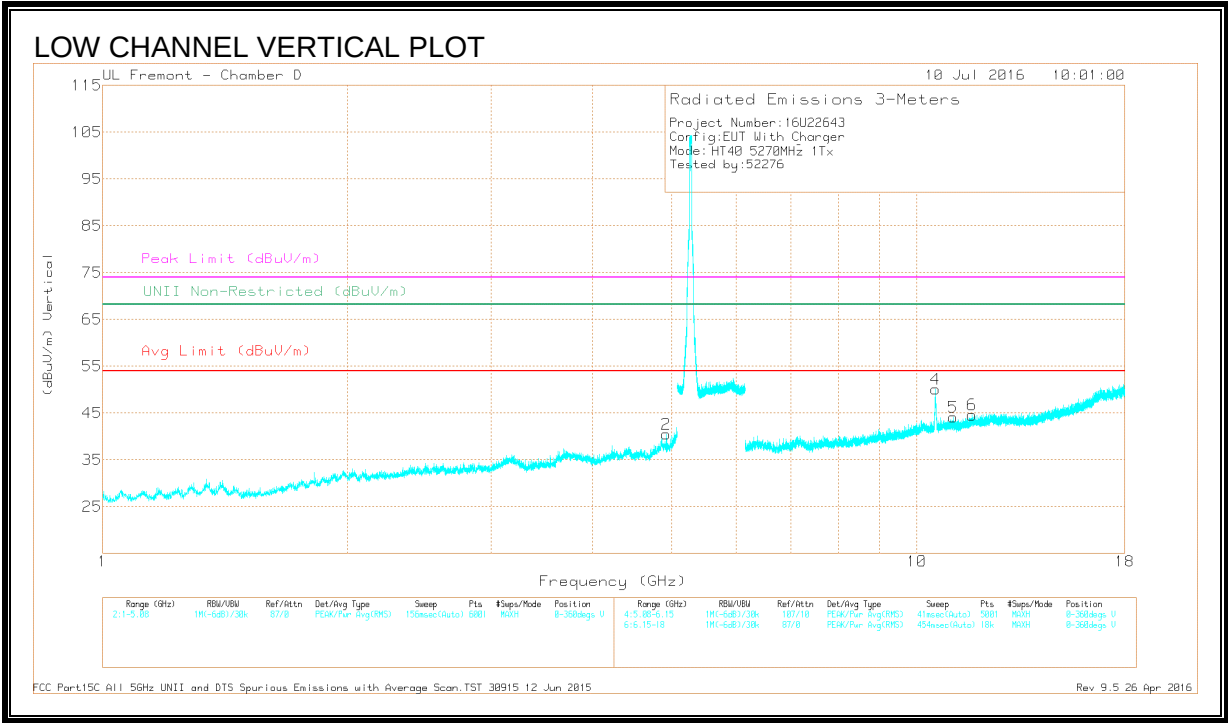
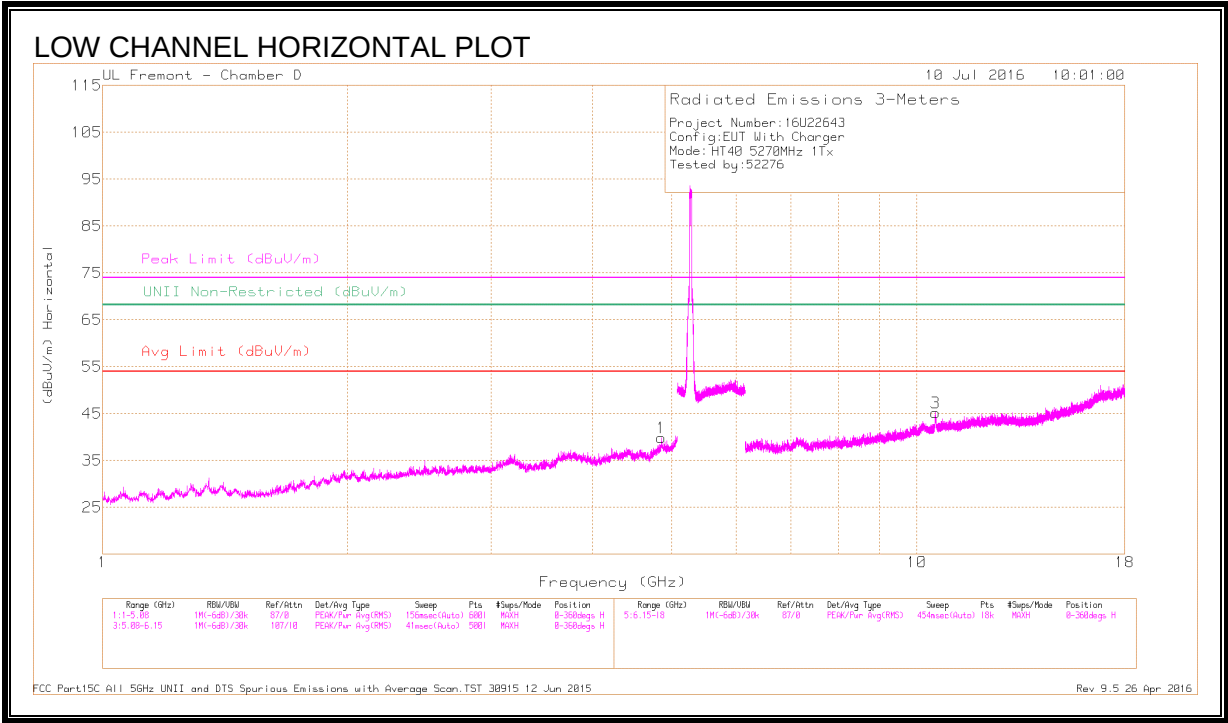


**DATA**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (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 (Degrees) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|-------------------|-------------|----------|
| 1      | * 5.35          | 39.21                | Pk  | 34.3           | -18.2                  | 55.31                      | -                      | -           | 74                  | -18.69         | 298               | 212         | V        |
| 2      | * 5.354         | 45.19                | Pk  | 34.3           | -18.2                  | 61.29                      | -                      | -           | 74                  | -12.71         | 298               | 212         | V        |
| 3      | * 5.35          | 34.78                | RMS | 34.3           | -18.2                  | 50.88                      | 54                     | -3.12       | -                   | -              | 298               | 212         | V        |
| 4      | * 5.351         | 35                   | RMS | 34.3           | -18.2                  | 51.1                       | 54                     | -2.9        | -                   | -              | 298               | 212         | V        |

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

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



# DATA

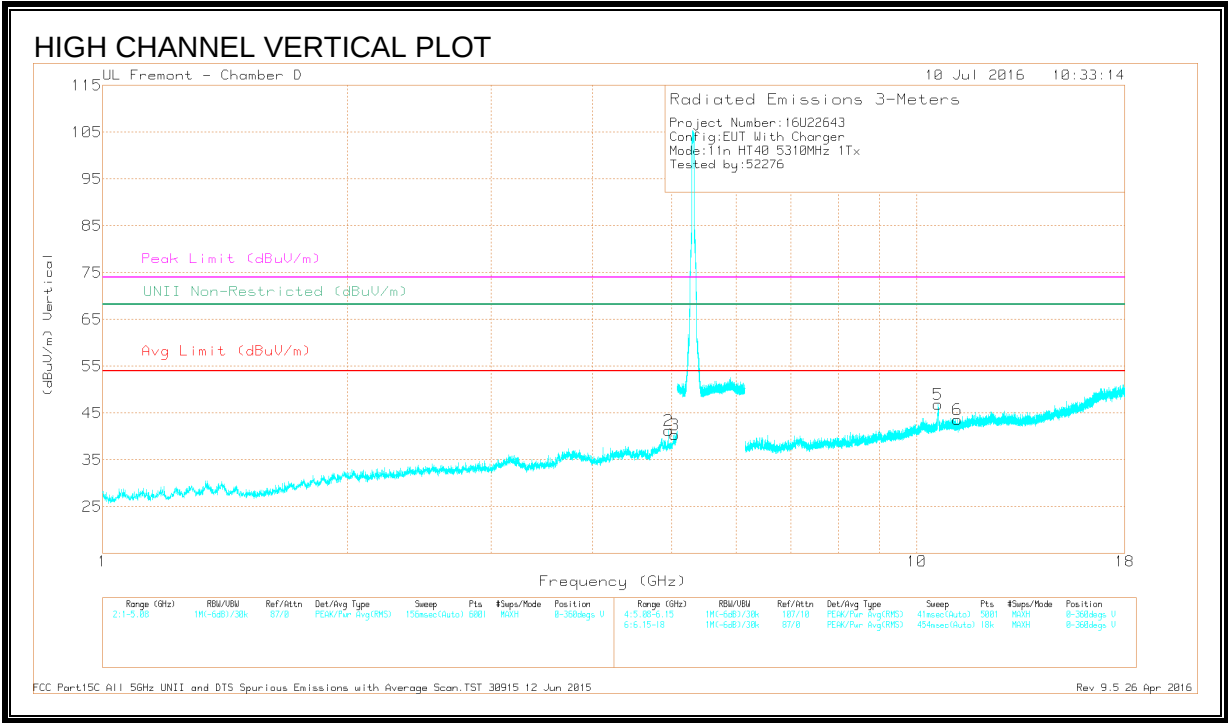
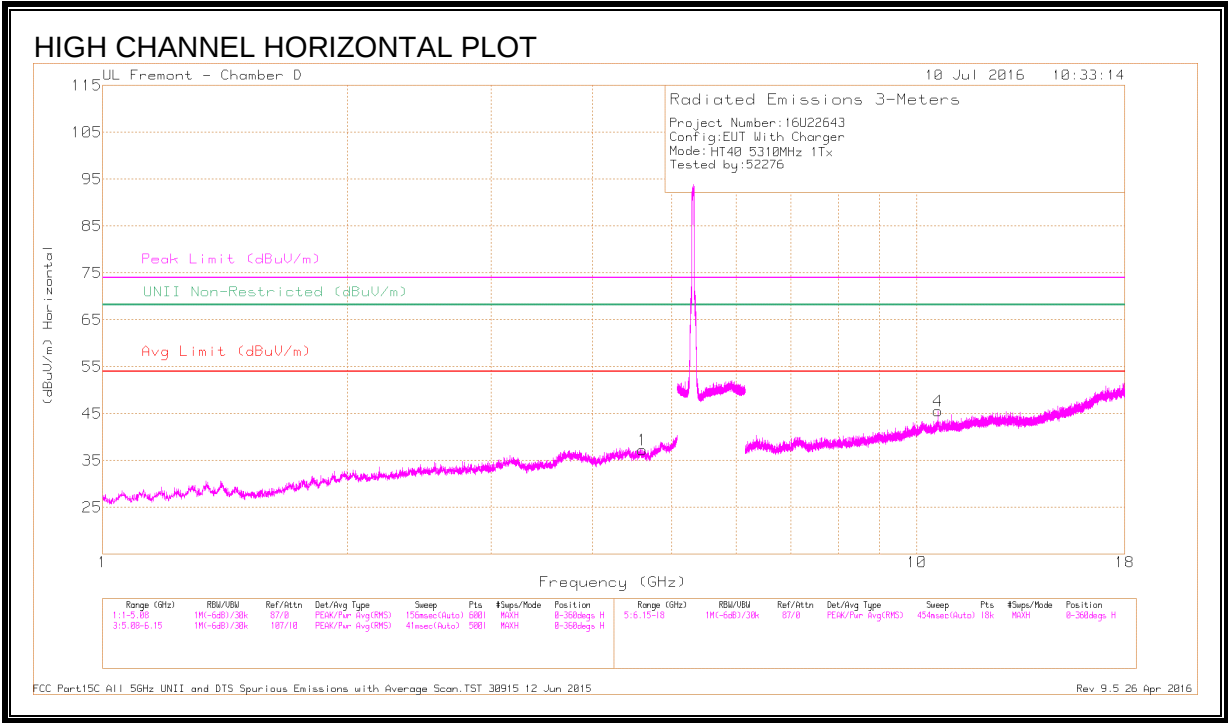
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (dB/m) | Amp/Cbl/F ltr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degrees) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|-------------------|-------------|----------|
| 1      | * 4.853         | 35.42                | PK-U | 34.1           | -25.4                  | 44.12                      | -                  | -           | 74                  | -29.88         | -                            | -              | 26                | 100         | H        |
|        | * 4.853         | 25.2                 | ADR  | 34.1           | -25.4                  | 33.9                       | 54                 | -20.1       | -                   | -              | -                            | -              | 26                | 100         | H        |
| 2      | * 4.917         | 35.65                | PK-U | 34.1           | -26.2                  | 43.55                      | -                  | -           | 74                  | -30.45         | -                            | -              | 145               | 245         | V        |
|        | * 4.921         | 25.16                | ADR  | 34.1           | -26.3                  | 32.96                      | 54                 | -21.04      | -                   | -              | -                            | -              | 145               | 245         | V        |
| 4      | * 11.086        | 31.8                 | PK-U | 38             | -21.1                  | 48.7                       | -                  | -           | 74                  | -25.3          | -                            | -              | 60                | 113         | V        |
|        | * 11.085        | 22.05                | ADR  | 38             | -21                    | 39.05                      | 54                 | -14.95      | -                   | -              | -                            | -              | 60                | 113         | V        |
| 5      | * 11.69         | 31.9                 | PK-U | 38.6           | -20.7                  | 49.8                       | -                  | -           | 74                  | -24.2          | -                            | -              | 162               | 300         | V        |
|        | * 11.689        | 21.76                | ADR  | 38.6           | -20.7                  | 39.66                      | 54                 | -14.34      | -                   | -              | -                            | -              | 162               | 300         | V        |
| 3      | 10.537          | 36.19                | PK-U | 37.7           | -21                    | 52.89                      | -                  | -           | -                   | -              | 68.2                         | -15.31         | 4                 | 256         | 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 HARMONICS AND SPURIOUS EMISSIONS



# DATA

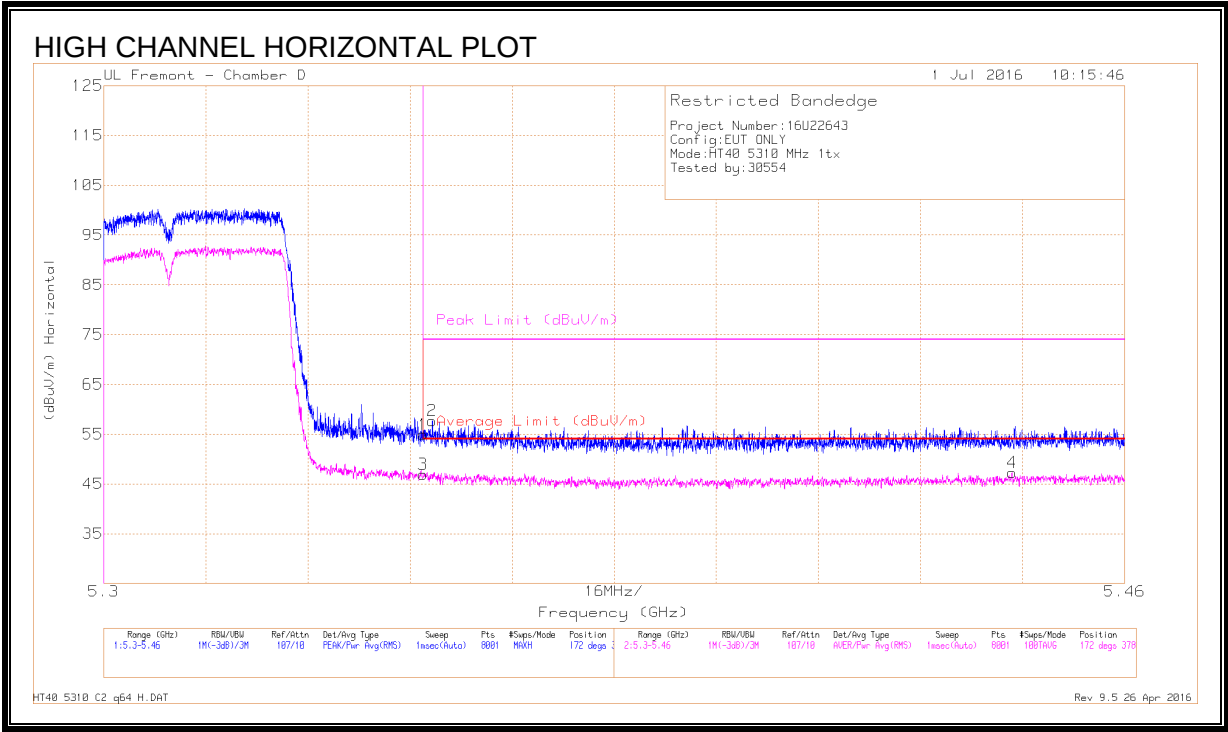
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (dB/m) | Amp/Cbl/Ftr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degrees) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|----------------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|-------------------|-------------|----------|
| 1      | * 4.604         | 35.29                | PK-U | 34.2           | -26.7                | 42.79                      | -                  | -           | 74                  | -31.21         | -                            | -              | 35                | 100         | H        |
|        | * 4.601         | 24.93                | ADR  | 34.2           | -26.7                | 32.43                      | 54                 | -21.57      | -                   | -              | -                            | -              | 35                | 100         | H        |
| 2      | * 4.956         | 41.46                | PK-U | 34.1           | -26.6                | 48.96                      | -                  | -           | 74                  | -25.04         | -                            | -              | 99                | 265         | V        |
|        | * 4.956         | 34.77                | ADR  | 34.1           | -26.6                | 42.27                      | 54                 | -11.73      | -                   | -              | -                            | -              | 99                | 265         | V        |
| 3      | * 5.037         | 38.49                | PK-U | 34             | -25.4                | 47.09                      | -                  | -           | 74                  | -26.91         | -                            | -              | 95                | 228         | V        |
|        | * 5.038         | 28.15                | ADR  | 34             | -25.4                | 36.75                      | 54                 | -17.25      | -                   | -              | -                            | -              | 95                | 228         | V        |
| 4      | * 10.62         | 35.81                | PK-U | 37.8           | -21.3                | 52.31                      | -                  | -           | 74                  | -21.69         | -                            | -              | 16                | 288         | H        |
|        | * 10.619        | 25.17                | ADR  | 37.8           | -21.2                | 41.77                      | 54                 | -12.23      | -                   | -              | -                            | -              | 16                | 288         | H        |
| 5      | * 10.62         | 35.88                | PK-U | 37.8           | -21.3                | 52.38                      | -                  | -           | 74                  | -21.62         | -                            | -              | 218               | 102         | V        |
|        | * 10.619        | 25.92                | ADR  | 37.8           | -21.2                | 42.52                      | 54                 | -11.48      | -                   | -              | -                            | -              | 218               | 102         | V        |
| 6      | * 11.212        | 32.64                | PK-U | 38.2           | -21.2                | 49.64                      | -                  | -           | 74                  | -24.36         | -                            | -              | 282               | 156         | V        |
|        | * 11.211        | 21.95                | ADR  | 38.2           | -21.2                | 38.95                      | 54                 | -15.05      | -                   | -              | -                            | -              | 282               | 156         | 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

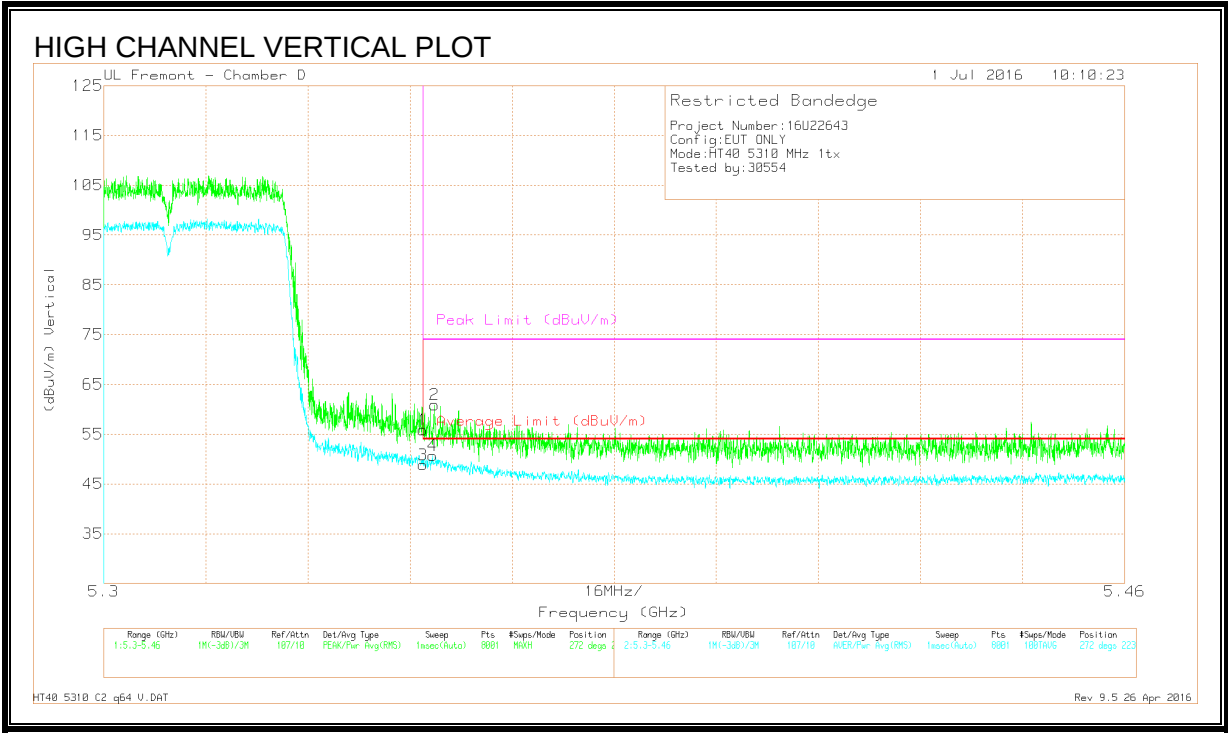
RESTRICTED BANDEDGE, CHAIN 1 (HIGH CHANNEL)



DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (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          | 38.85                | Pk  | 34.3           | -18.2                  | 54.95                      | -                      | -           | 74                  | -19.05         | 172            | 378         | H        |
| 2      | * 5.352         | 41.62                | Pk  | 34.3           | -18.2                  | 57.72                      | -                      | -           | 74                  | -16.28         | 172            | 378         | H        |
| 3      | * 5.35          | 30.85                | RMS | 34.3           | -18.2                  | 46.95                      | 54                     | -7.05       | -                   | -              | 172            | 378         | H        |
| 4      | * 5.442         | 30.89                | RMS | 34.4           | -18                    | 47.29                      | 54                     | -6.71       | -                   | -              | 172            | 378         | H        |

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

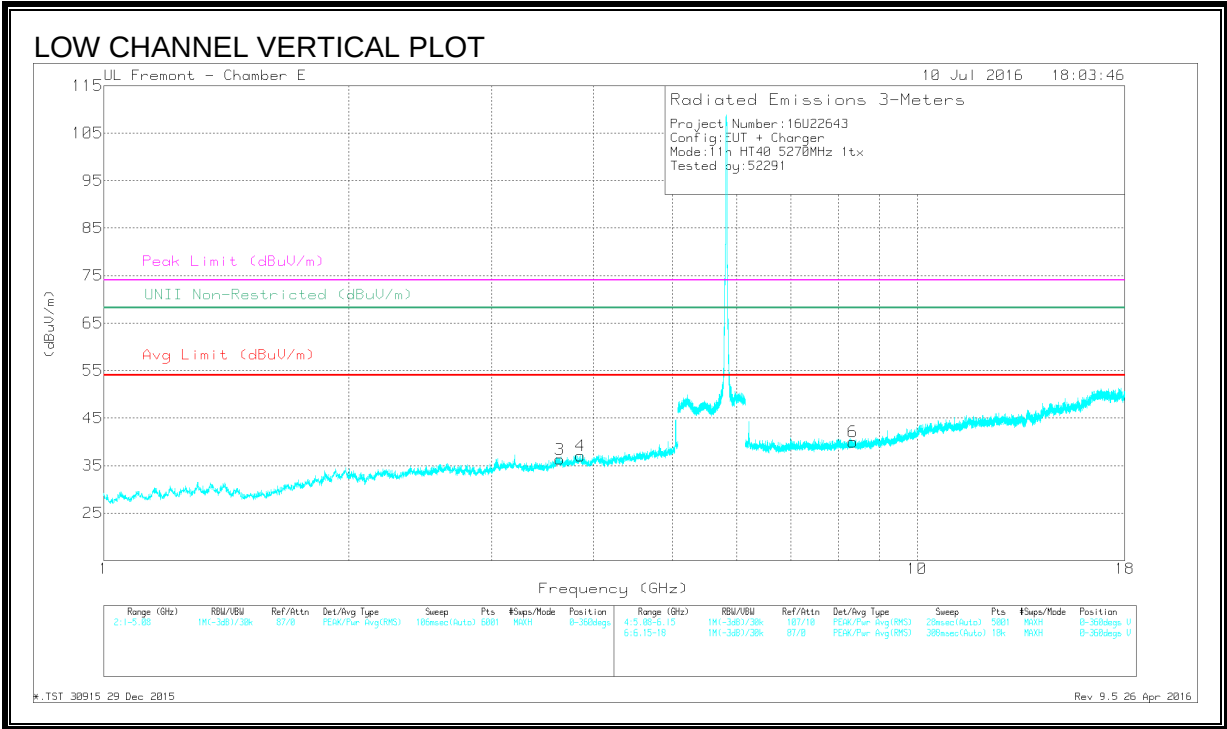
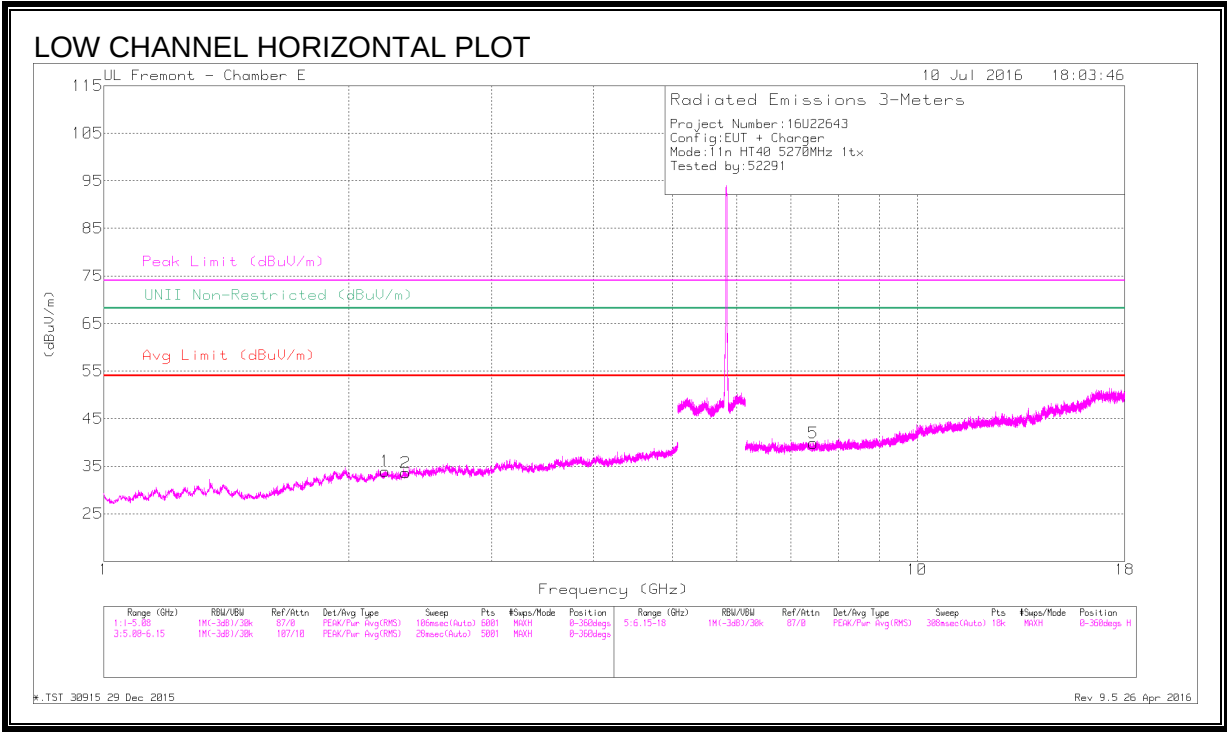


**DATA**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (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 (Degrees) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|-------------------|-------------|----------|
| 1      | * 5.35          | 39.79                | Pk  | 34.3           | -18.2                  | 55.89                      | -                      | -           | 74                  | -18.11         | 272               | 223         | V        |
| 2      | * 5.352         | 44.8                 | Pk  | 34.3           | -18.2                  | 60.9                       | -                      | -           | 74                  | -13.1          | 272               | 223         | V        |
| 3      | * 5.35          | 32.73                | RMS | 34.3           | -18.2                  | 48.83                      | 54                     | -5.17       | -                   | -              | 272               | 223         | V        |
| 4      | * 5.352         | 34.61                | RMS | 34.3           | -18.2                  | 50.71                      | 54                     | -3.29       | -                   | -              | 272               | 223         | V        |

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

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



# DATA

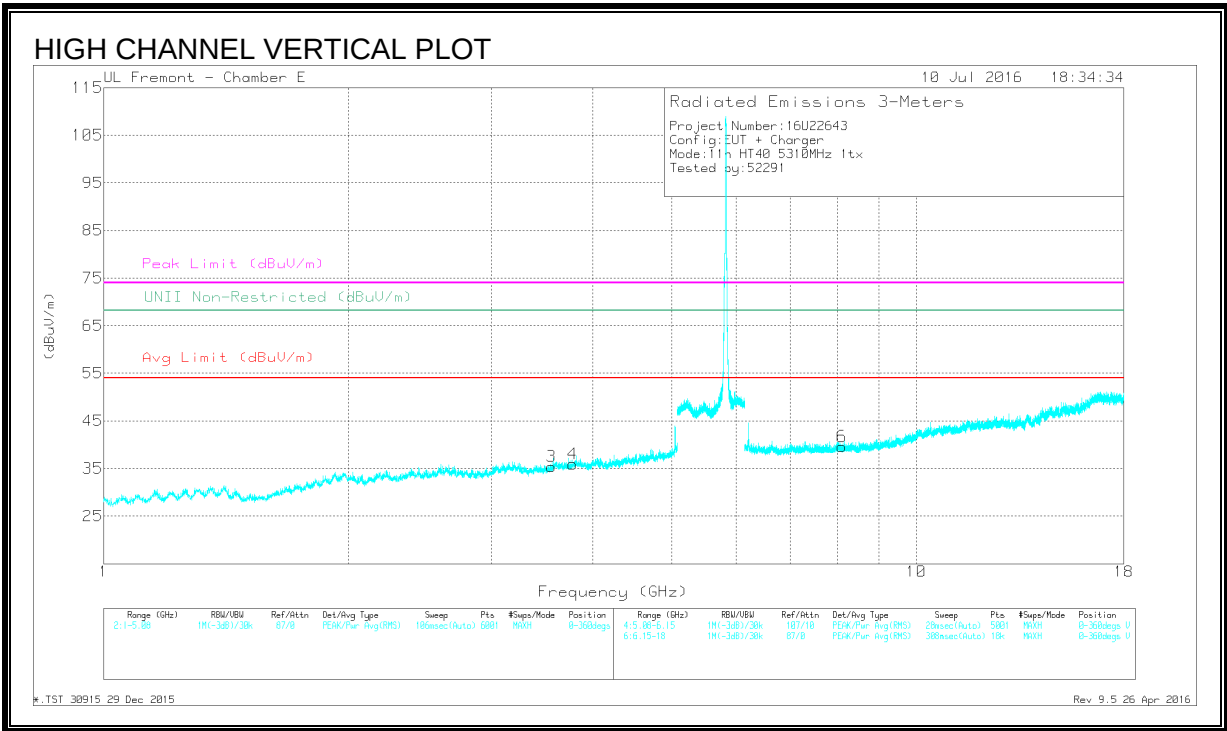
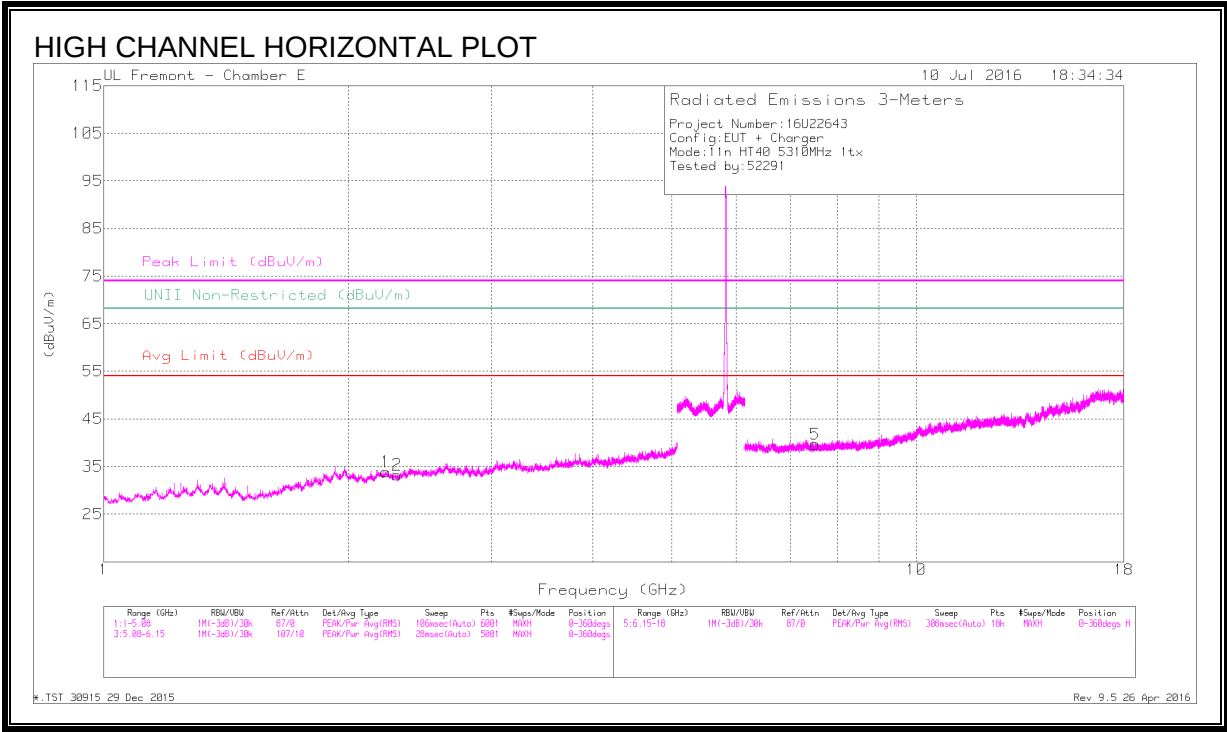
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T711 (dB/m) | Amp/Cb I/Filtr/Pa d (dB) | Correct ed Reading (dBuV/m) | Avg Limit (dBuV/m) | Margi n (dB) | Peak Limit (dBuV/m) | PK Margi n (dB) | UNII Non-Restricted (dBuV/m) | PK Margi n (dB) | Azi mut h (Deg s) | Hei ght (cm) | Pola rity |
|--------|-----------------|----------------------|------|----------------|--------------------------|-----------------------------|--------------------|--------------|---------------------|-----------------|------------------------------|-----------------|-------------------|--------------|-----------|
| 1      | * 2.221         | 42.29                | PK-U | 31.8           | -32.5                    | 41.59                       | -                  | -            | 74                  | -32.41          | -                            | -               | 14                | 204          | H         |
|        | * 2.219         | 30.86                | ADR  | 31.8           | -32.5                    | 30.16                       | 54                 | -23.84       | -                   | -               | -                            | -               | 14                | 204          | H         |
| 2      | * 2.353         | 41.74                | PK-U | 31.8           | -32.4                    | 41.14                       | -                  | -            | 74                  | -32.86          | -                            | -               | 74                | 181          | H         |
|        | * 2.351         | 31.08                | ADR  | 31.8           | -32.5                    | 30.38                       | 54                 | -23.62       | -                   | -               | -                            | -               | 74                | 181          | H         |
| 3      | * 3.636         | 40.6                 | PK-U | 33             | -30.8                    | 42.8                        | -                  | -            | 74                  | -31.2           | -                            | -               | 103               | 199          | V         |
|        | * 3.634         | 30.15                | ADR  | 33             | -30.8                    | 32.35                       | 54                 | -21.65       | -                   | -               | -                            | -               | 103               | 199          | V         |
| 4      | * 3.855         | 40.31                | PK-U | 33.2           | -29.8                    | 43.71                       | -                  | -            | 74                  | -30.29          | -                            | -               | 81                | 186          | V         |
|        | * 3.858         | 29.92                | ADR  | 33.2           | -29.9                    | 33.22                       | 54                 | -20.78       | -                   | -               | -                            | -               | 81                | 186          | V         |
| 5      | * 7.459         | 37.75                | PK-U | 35.5           | -27.4                    | 45.85                       | -                  | -            | 74                  | -28.15          | -                            | -               | 89                | 201          | H         |
|        | * 7.458         | 28.24                | ADR  | 35.5           | -27.4                    | 36.34                       | 54                 | -17.66       | -                   | -               | -                            | -               | 89                | 201          | H         |
| 6      | * 8.345         | 38.07                | PK-U | 35.7           | -26.8                    | 46.97                       | -                  | -            | 74                  | -27.03          | -                            | -               | 164               | 209          | V         |
|        | * 8.344         | 28                   | ADR  | 35.7           | -26.8                    | 36.9                        | 54                 | -17.1        | -                   | -               | -                            | -               | 164               | 209          | 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 HARMONICS AND SPURIOUS EMISSIONS



# DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T711 (dB/m) | Amp/Cbl/Filtr/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 (Degrees) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|-------------------|-------------|----------|
| 1      | * 2.225         | 41.84                | PK-U | 31.8           | -32.6                  | 41.04                      | -                  | -           | 74                  | -32.96         | -                            | -              | 17                | 124         | H        |
|        | * 2.225         | 30.93                | ADR  | 31.7           | -32.6                  | 30.03                      | 54                 | -23.97      | -                   | -              | -                            | -              | 17                | 124         | H        |
| 2      | * 2.298         | 42.46                | PK-U | 31.5           | -33.5                  | 40.46                      | -                  | -           | 74                  | -33.54         | -                            | -              | 31                | 139         | H        |
|        | * 2.296         | 31.97                | ADR  | 31.5           | -33.5                  | 29.97                      | 54                 | -24.03      | -                   | -              | -                            | -              | 31                | 139         | H        |
| 3      | * 3.557         | 40.67                | PK-U | 33             | -30.4                  | 43.27                      | -                  | -           | 74                  | -30.73         | -                            | -              | 85                | 117         | V        |
|        | * 3.555         | 29.89                | ADR  | 32.9           | -30.5                  | 32.29                      | 54                 | -21.71      | -                   | -              | -                            | -              | 85                | 117         | V        |
| 4      | * 3.774         | 40.67                | PK-U | 33.1           | -31                    | 42.77                      | -                  | -           | 74                  | -31.23         | -                            | -              | 155               | 138         | V        |
|        | * 3.776         | 30.6                 | ADR  | 33.1           | -31                    | 32.7                       | 54                 | -21.3       | -                   | -              | -                            | -              | 155               | 138         | V        |
| 5      | * 7.505         | 38.65                | PK-U | 35.5           | -27.2                  | 46.95                      | -                  | -           | 74                  | -27.05         | -                            | -              | 202               | 159         | H        |
|        | * 7.504         | 28.15                | ADR  | 35.5           | -27.2                  | 36.45                      | 54                 | -17.55      | -                   | -              | -                            | -              | 202               | 159         | H        |
| 6      | * 8.097         | 37.32                | PK-U | 35.6           | -26.9                  | 46.02                      | -                  | -           | 74                  | -27.98         | -                            | -              | 146               | 207         | V        |
|        | * 8.098         | 27.77                | ADR  | 35.6           | -26.9                  | 36.47                      | 54                 | -17.53      | -                   | -              | -                            | -              | 146               | 207         | V        |

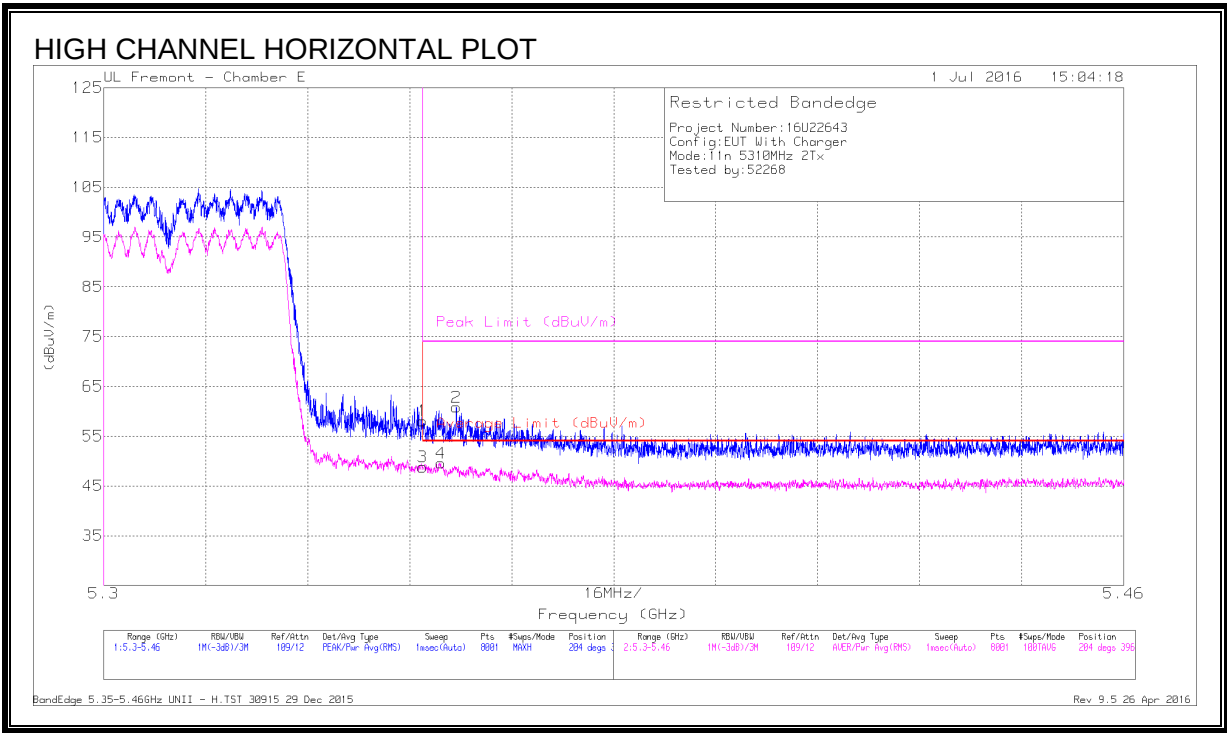
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

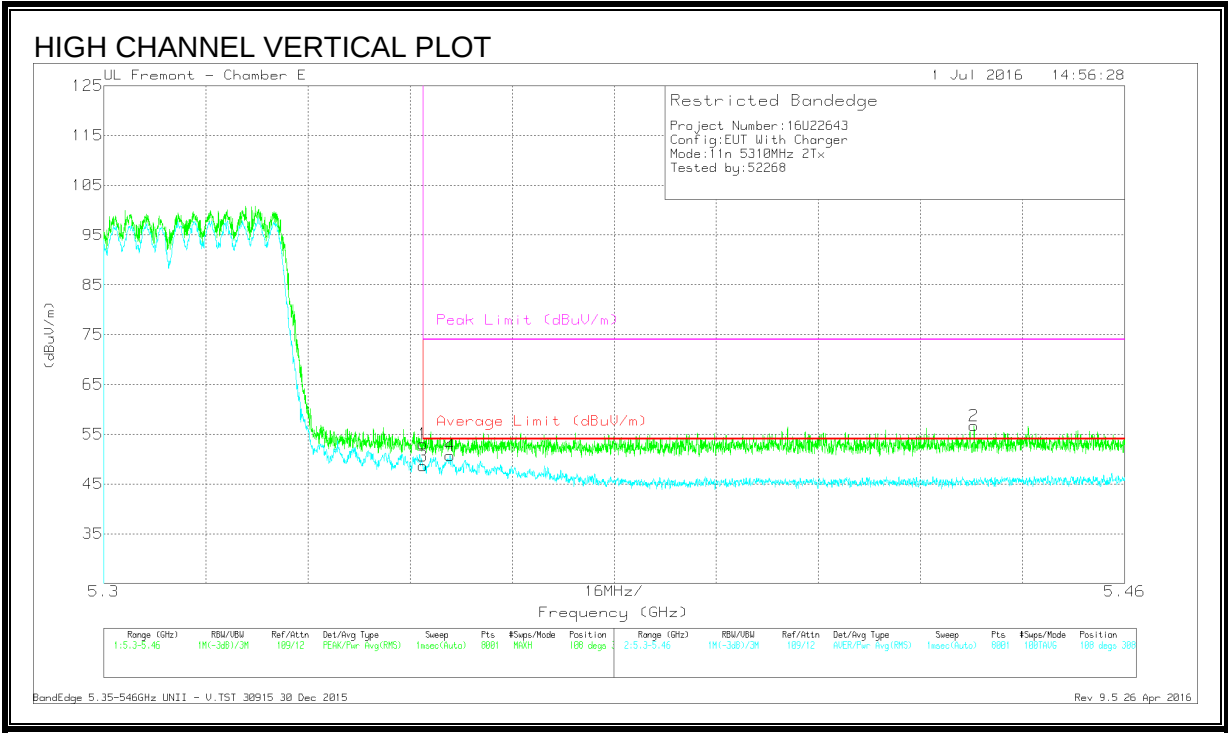
9.19. 802.11n HT40 2Tx CDD MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL)



DATA

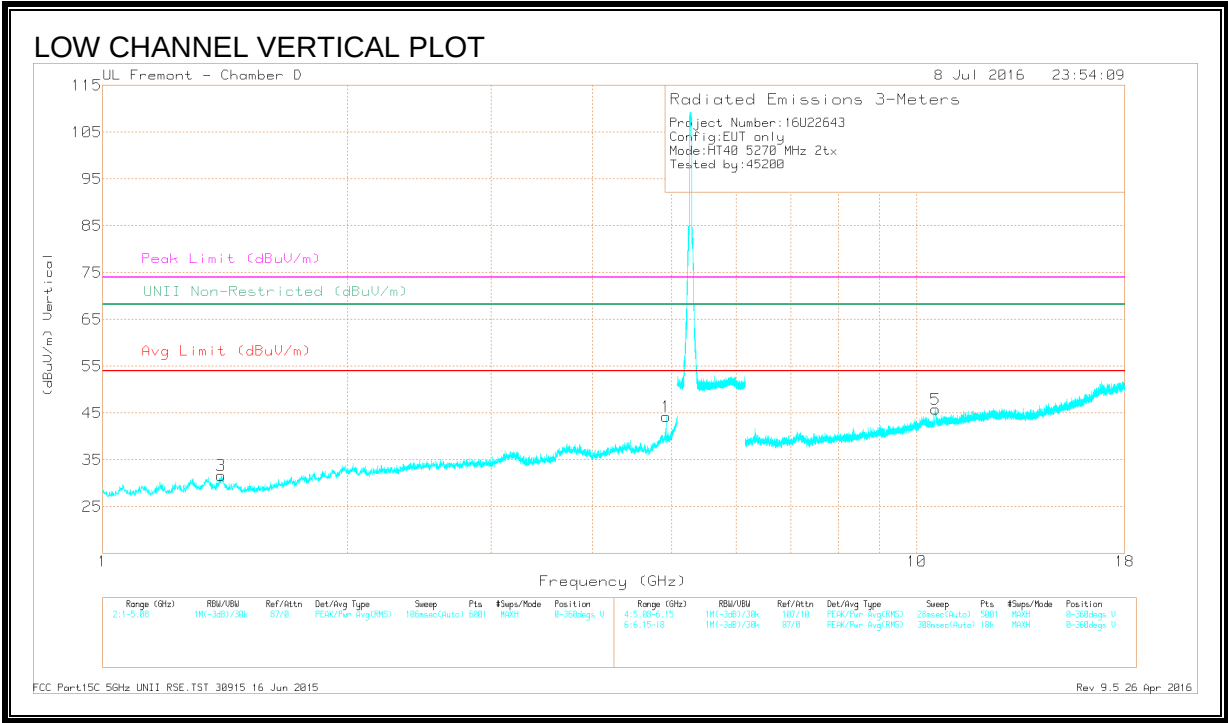
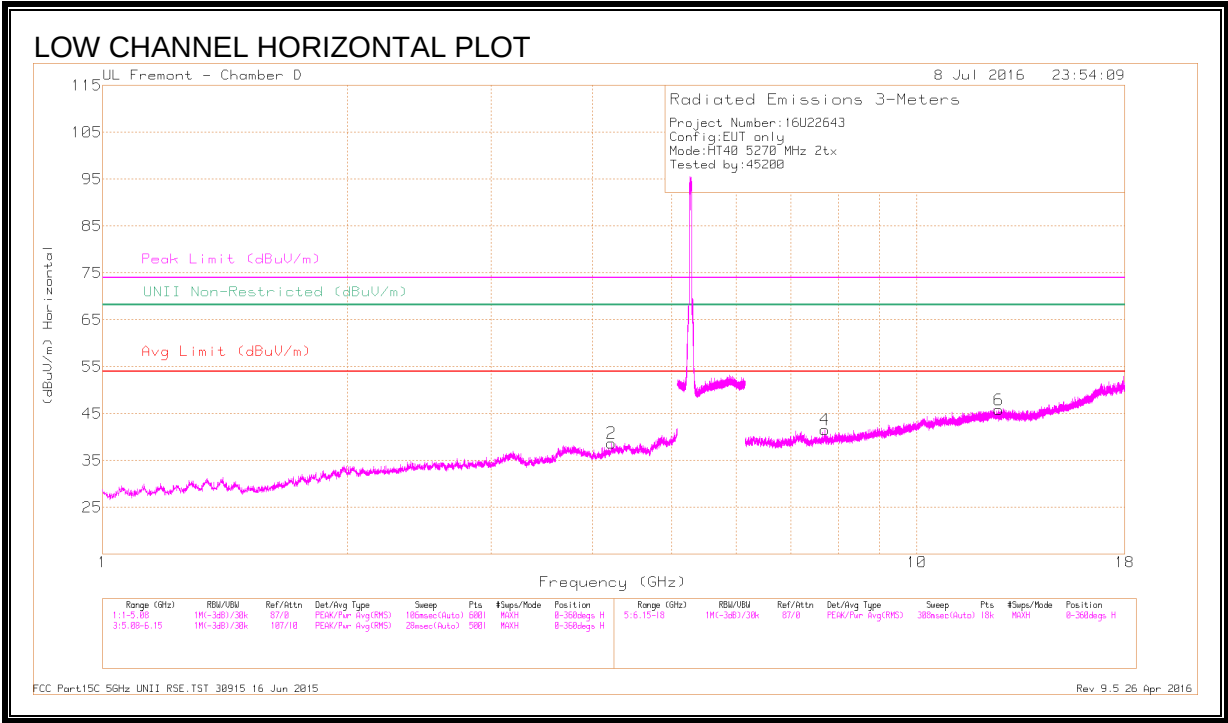
| Mar<br>ker | Frequ<br>ncy<br>(GHz) | Meter<br>Readi<br>ng<br>(dBuV<br>) | Det | AF<br>T711<br>(dB/m) | Amp/Cbl/FI<br>tr/Pad (dB) | Correct<br>ed<br>Readin<br>g<br>(dBuV/<br>m) | Average<br>Limit<br>(dBuV/m) | Mar<br>gin<br>(dB) | Peak Limit<br>(dBuV/m) | PK<br>Margi<br>n<br>(dB) | Azim<br>uth<br>(Deg<br>s) | Hei<br>ght<br>(cm) | Pola<br>rity |
|------------|-----------------------|------------------------------------|-----|----------------------|---------------------------|----------------------------------------------|------------------------------|--------------------|------------------------|--------------------------|---------------------------|--------------------|--------------|
| 1          | * 5.35                | 43.25                              | Pk  | 34.4                 | -19.6                     | 58.05                                        | -                            | -                  | 74                     | -15.95                   | 204                       | 396                | H            |
| 3          | * 5.35                | 34.01                              | RMS | 34.4                 | -19.6                     | 48.81                                        | 54                           | -5.19              | -                      | -                        | 204                       | 396                | H            |
| 4          | * 5.353               | 34.79                              | RMS | 34.4                 | -19.6                     | 49.59                                        | 54                           | -4.41              | -                      | -                        | 204                       | 396                | H            |
| 2          | * 5.355               | 46.04                              | Pk  | 34.4                 | -19.6                     | 60.84                                        | -                            | -                  | 74                     | -13.16                   | 204                       | 396                | H            |



DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T711 (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 (Degrees) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|-------------------|-------------|----------|
| 1      | * 5.35          | 38.24                | Pk  | 34.4           | -19.6                  | 53.04                      | -                      | -           | 74                  | -20.96         | 108               | 308         | V        |
| 2      | * 5.436         | 41.91                | PK  | 34.4           | -19.6                  | 56.71                      | -                      | -           | 74                  | -17.29         | 108               | 308         | V        |
| 3      | * 5.35          | 33.82                | RMS | 34.4           | -19.6                  | 48.62                      | 54                     | -5.38       | -                   | -              | 108               | 308         | V        |
| 4      | * 5.354         | 35.94                | RMS | 34.4           | -19.6                  | 50.74                      | 54                     | -3.26       | -                   | -              | 108               | 308         | V        |

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



# **DATA**

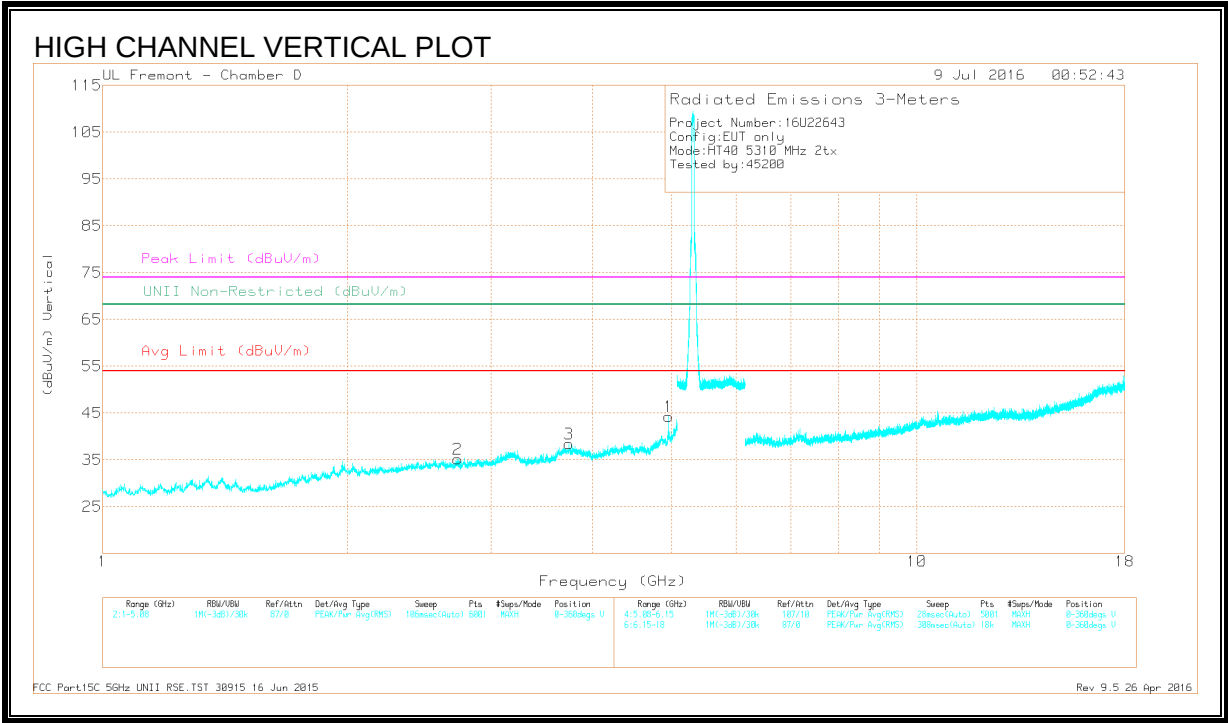
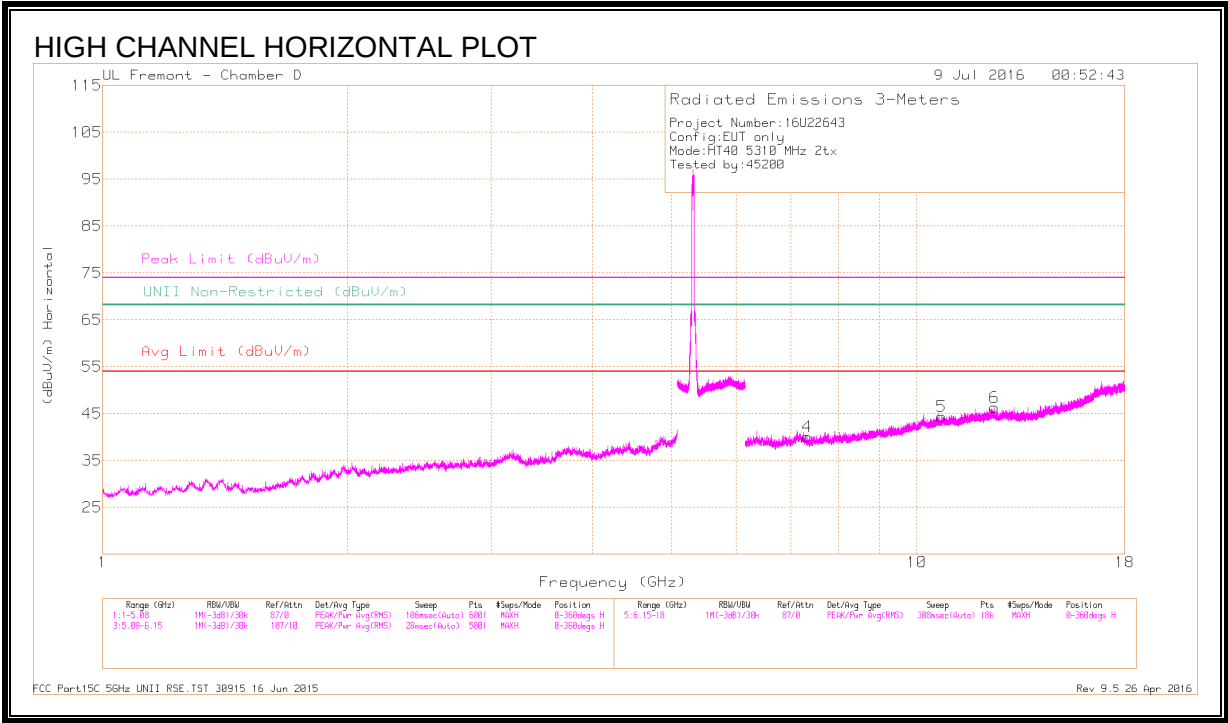
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (dB/m) | Amp/ Cbl/F ltr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degrees) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-------------------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|-------------------|-------------|----------|
| 2      | * 4.216         | 37.51                | PK-U | 33.5           | -27.6                   | 43.41                      | -                  | -           | 74                  | -30.59         | -                            | -              | 109               | 360         | H        |
|        | * 4.214         | 26.9                 | ADR  | 33.5           | -27.6                   | 32.8                       | 54                 | -21.2       | -                   | -              | -                            | -              | 109               | 360         | H        |
| 1      | * 4.918         | 42.98                | PK-U | 34.1           | -26.2                   | 50.88                      | -                  | -           | 74                  | -23.12         | -                            | -              | 20                | 266         | V        |
|        | * 4.919         | 37.04                | ADR  | 34.1           | -26.2                   | 44.94                      | 54                 | -9.06       | -                   | -              | -                            | -              | 20                | 266         | V        |
| 3      | * 1.398         | 40.66                | PK-U | 29             | -31.2                   | 38.46                      | -                  | -           | 74                  | -35.54         | -                            | -              | 68                | 250         | V        |
|        | * 1.398         | 29.64                | ADR  | 29             | -31.2                   | 27.44                      | 54                 | -26.56      | -                   | -              | -                            | -              | 68                | 250         | V        |
| 4      | * 7.709         | 35.52                | PK-U | 35.8           | -24                     | 47.32                      | -                  | -           | 74                  | -26.68         | -                            | -              | 42                | 135         | H        |
|        | * 7.711         | 24.66                | ADR  | 35.8           | -24                     | 36.46                      | 54                 | -17.54      | -                   | -              | -                            | -              | 42                | 135         | H        |
| 6      | * 12.603        | 33.8                 | PK-U | 39.1           | -21.6                   | 51.3                       | -                  | -           | 74                  | -22.7          | -                            | -              | 360               | 331         | H        |
|        | * 12.6          | 23.63                | ADR  | 39.1           | -21.6                   | 41.13                      | 54                 | -12.87      | -                   | -              | -                            | -              | 360               | 331         | H        |
| 5      | 10.536          | 36.8                 | PK-U | 37.7           | -21                     | 53.5                       | -                  | -           | -                   | -              | 68.2                         | -14.7          | 141               | 110         | 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 HARMONICS AND SPURIOUS EMISSIONS



# **DATA**

| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Readi<br>ng<br>(dBuV<br>) | Det  | AF<br>T712<br>(dB/<br>m) | Amp/Cbl/Filt<br>r/Pad (dB) | Correc<br>ted<br>Readi<br>ng<br>(dBuV<br>/m) | Avg Limit<br>(dBuV/m) | Margin<br>(dB) | Peak Limit<br>(dBuV/m) | PK<br>Margi<br>n<br>(dB) | UNII Non-<br>Restricted<br>(dBuV/m) | PK<br>Margi<br>n<br>(dB) | Azim<br>uth<br>(Degs<br>) | Heig<br>ht<br>(cm) | Polar<br>ity |
|--------|------------------------|------------------------------------|------|--------------------------|----------------------------|----------------------------------------------|-----------------------|----------------|------------------------|--------------------------|-------------------------------------|--------------------------|---------------------------|--------------------|--------------|
| 1      | * 4.956                | 43.6                               | PK-U | 34.1                     | -26.6                      | 51.1                                         | -                     | -              | 74                     | -22.9                    | -                                   | -                        | 360                       | 260                | V            |
|        | * 4.956                | 37.51                              | ADR  | 34.1                     | -26.6                      | 45.01                                        | 54                    | -8.99          | -                      | -                        | -                                   | -                        | 360                       | 260                | V            |
| 2      | * 2.728                | 39.56                              | PK-U | 32.4                     | -30.2                      | 41.76                                        | -                     | -              | 74                     | -32.24                   | -                                   | -                        | 254                       | 164                | V            |
|        | * 2.727                | 28.36                              | ADR  | 32.4                     | -30.2                      | 30.56                                        | 54                    | -23.44         | -                      | -                        | -                                   | -                        | 254                       | 164                | V            |
| 3      | * 3.737                | 38.26                              | PK-U | 33.5                     | -28.8                      | 42.96                                        | -                     | -              | 74                     | -31.04                   | -                                   | -                        | 273                       | 239                | V            |
|        | * 3.734                | 27.45                              | ADR  | 33.5                     | -28.8                      | 32.15                                        | 54                    | -21.85         | -                      | -                        | -                                   | -                        | 273                       | 239                | V            |
| 4      | * 7.338                | 36.68                              | PK-U | 35.6                     | -25.6                      | 46.68                                        | -                     | -              | 74                     | -27.32                   | -                                   | -                        | 134                       | 175                | H            |
|        | * 7.34                 | 26.05                              | ADR  | 35.6                     | -25.5                      | 36.15                                        | 54                    | -17.85         | -                      | -                        | -                                   | -                        | 134                       | 175                | H            |
| 5      | * 10.722               | 33.9                               | PK-U | 37.9                     | -21.2                      | 50.6                                         | -                     | -              | 74                     | -23.4                    | -                                   | -                        | 74                        | 274                | H            |
|        | * 10.725               | 23.6                               | ADR  | 37.9                     | -21.1                      | 40.4                                         | 54                    | -13.6          | -                      | -                        | -                                   | -                        | 74                        | 274                | H            |
| 6      | * 12.458               | 33.97                              | PK-U | 39.1                     | -21.1                      | 51.97                                        | -                     | -              | 74                     | -22.03                   | -                                   | -                        | 216                       | 352                | H            |
|        | * 12.455               | 24.05                              | ADR  | 39.1                     | -21.1                      | 42.05                                        | 54                    | -11.95         | -                      | -                        | -                                   | -                        | 216                       | 352                | H            |

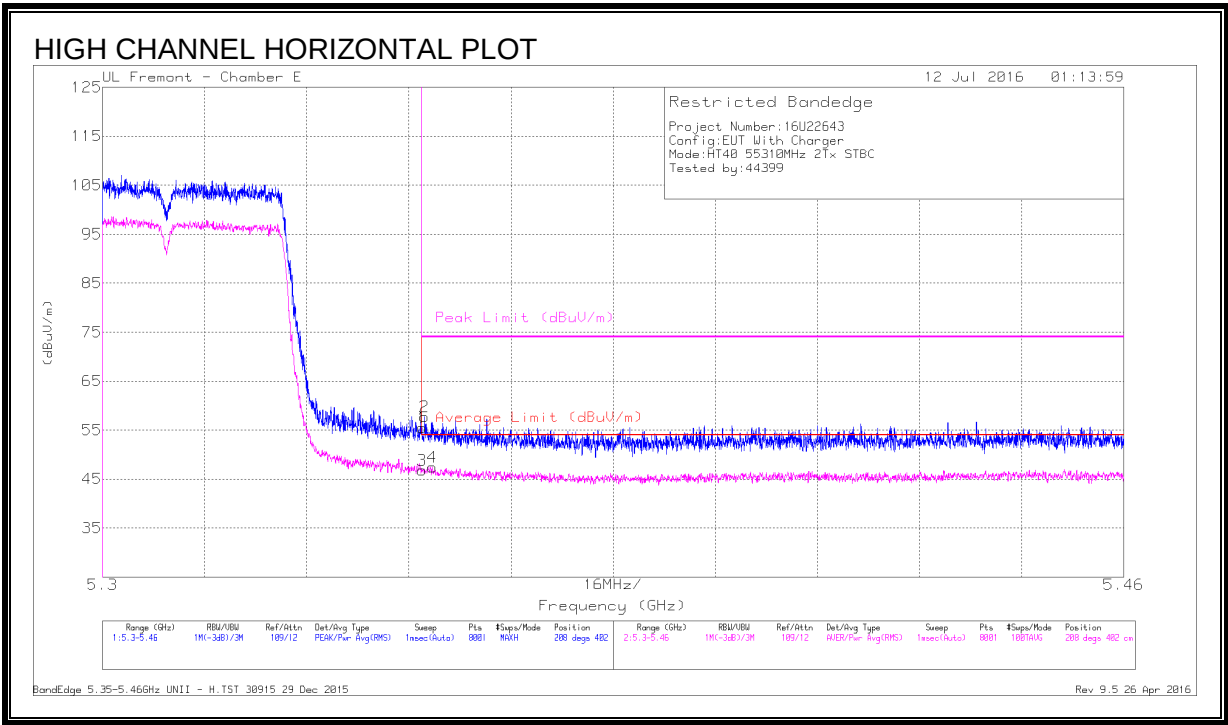
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

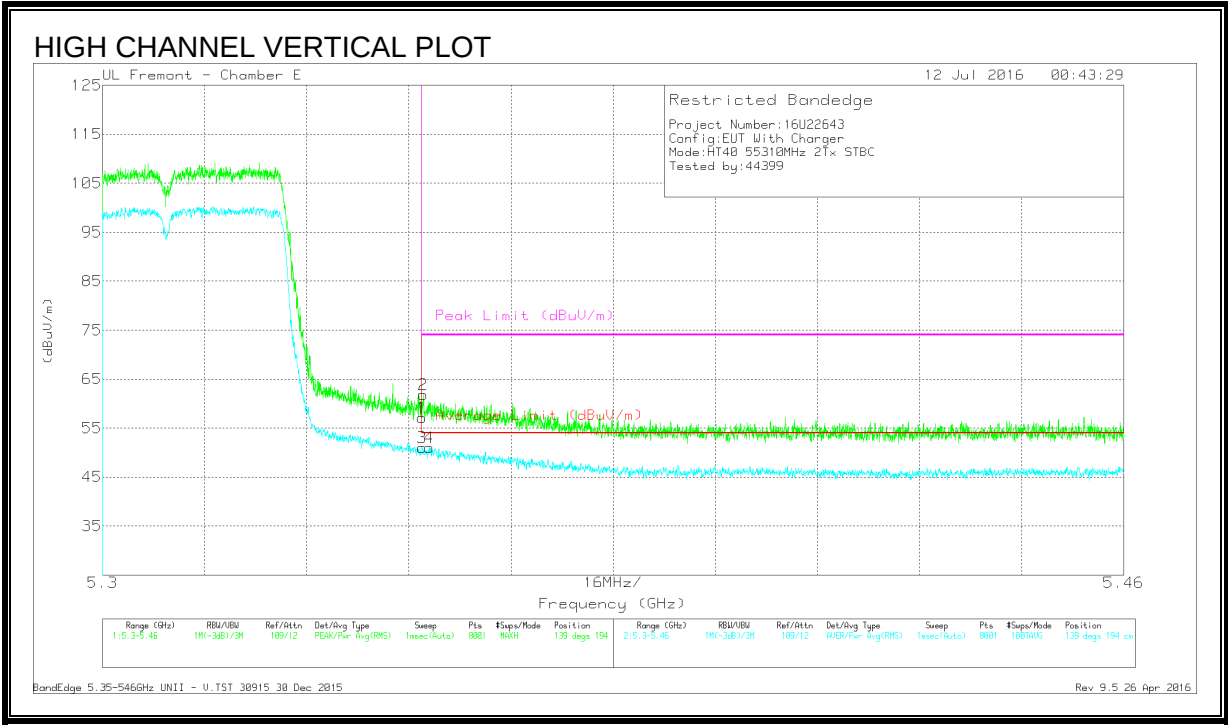
9.20. 802.11n HT40 2Tx STBC MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL)



DATA

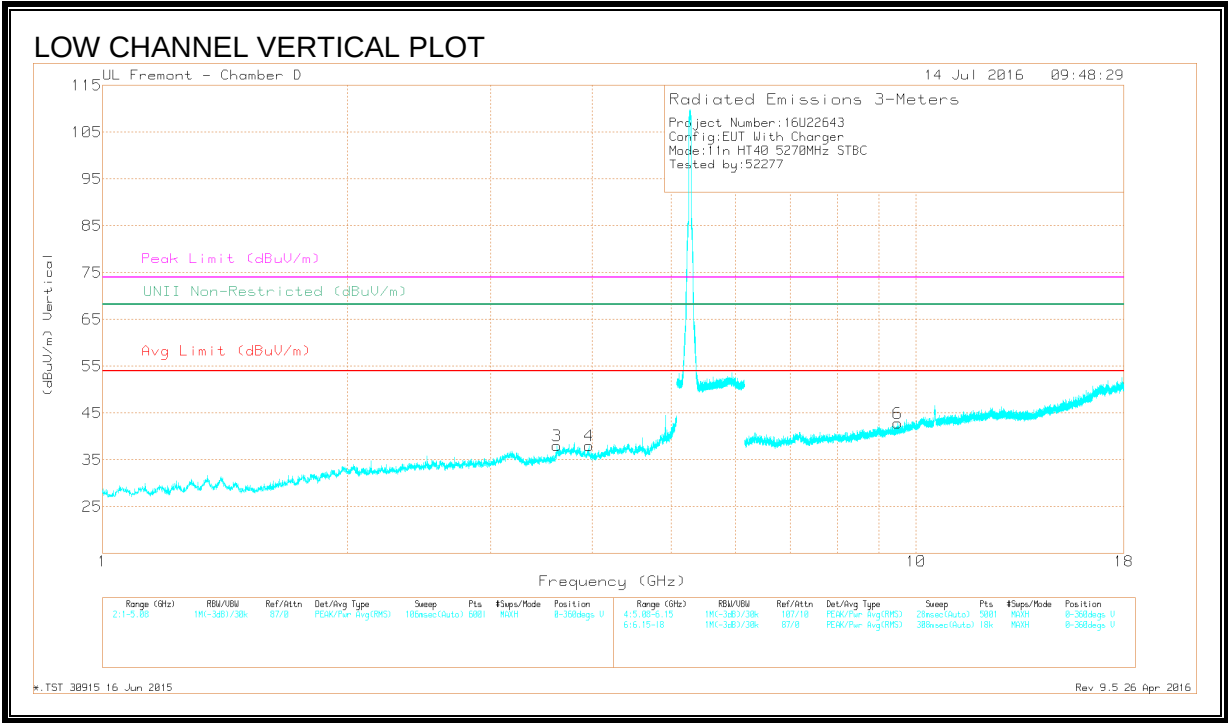
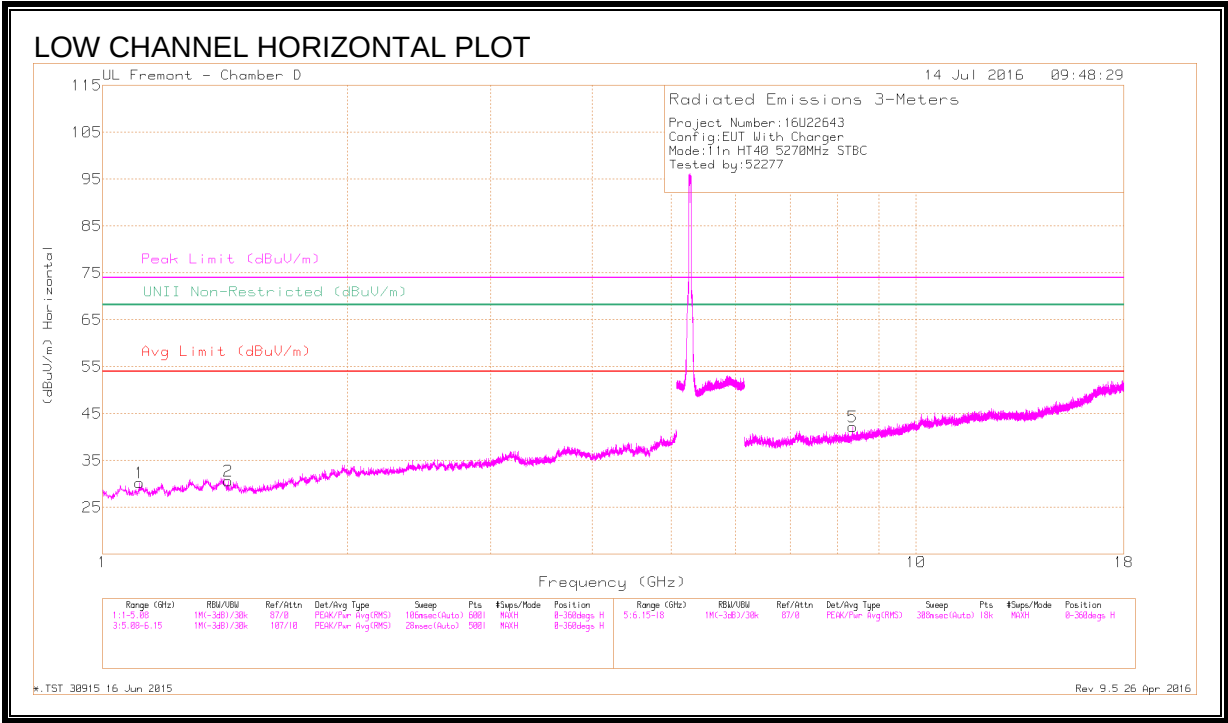
| Mar<br>ker | Frequ<br>ency<br>(GHz) | Meter<br>Readi<br>ng<br>(dBuV<br>) | Det | AF<br>T711<br>(dB/m<br>) | Amp/Cbl/FI<br>tri/Pad (dB) | Corre<br>cted<br>Readi<br>ng<br>(dBuV<br>/m) | Average<br>Limit<br>(dBuV/m) | Mar<br>gin<br>(dB) | Peak Limit<br>(dBuV/m) | PK<br>Margi<br>n<br>(dB) | Azim<br>uth<br>(Deg<br>s) | Hei<br>ght<br>(cm) | Pola<br>rity |
|------------|------------------------|------------------------------------|-----|--------------------------|----------------------------|----------------------------------------------|------------------------------|--------------------|------------------------|--------------------------|---------------------------|--------------------|--------------|
| 1          | * 5.35                 | 40.65                              | Pk  | 34.4                     | -19.6                      | 55.45                                        | -                            | -                  | 74                     | -18.55                   | 208                       | 402                | H            |
| 2          | * 5.35                 | 42.95                              | Pk  | 34.4                     | -19.6                      | 57.75                                        | -                            | -                  | 74                     | -16.25                   | 208                       | 402                | H            |
| 3          | * 5.35                 | 32.01                              | RMS | 34.4                     | -19.6                      | 46.81                                        | 54                           | -7.19              | -                      | -                        | 208                       | 402                | H            |
| 4          | * 5.352                | 32.69                              | RMS | 34.4                     | -19.6                      | 47.49                                        | 54                           | -6.51              | -                      | -                        | 208                       | 402                | H            |



DATA

| Mar<br>ker | Frequ<br>ncy<br>(GHz) | Meter<br>Readin<br>g<br>(dBuV) | Det | AF<br>T711<br>(dB/<br>m) | Amp/Cbl/FI<br>tr/Pad (dB) | Corre<br>cted<br>Readin<br>g<br>(dBuV<br>/m) | Average<br>Limit<br>(dBuV/m) | Mar<br>gin<br>(dB) | Peak Limit<br>(dBuV/m) | PK<br>Margi<br>n<br>(dB) | Azim<br>uth<br>(Deg<br>s) | Hei<br>ght<br>(cm) | Pola<br>rity |
|------------|-----------------------|--------------------------------|-----|--------------------------|---------------------------|----------------------------------------------|------------------------------|--------------------|------------------------|--------------------------|---------------------------|--------------------|--------------|
| 1          | * 5.35                | 42.36                          | Pk  | 34.4                     | -19.6                     | 57.16                                        | -                            | -                  | 74                     | -16.84                   | 139                       | 194                | V            |
| 2          | * 5.35                | 47.05                          | Pk  | 34.4                     | -19.6                     | 61.85                                        | -                            | -                  | 74                     | -12.15                   | 139                       | 194                | V            |
| 3          | * 5.35                | 36.23                          | RMS | 34.4                     | -19.6                     | 51.03                                        | 54                           | -2.97              | -                      | -                        | 139                       | 194                | V            |
| 4          | * 5.351               | 36.22                          | RMS | 34.4                     | -19.6                     | 51.02                                        | 54                           | -2.98              | -                      | -                        | 139                       | 194                | V            |

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



**DATA**

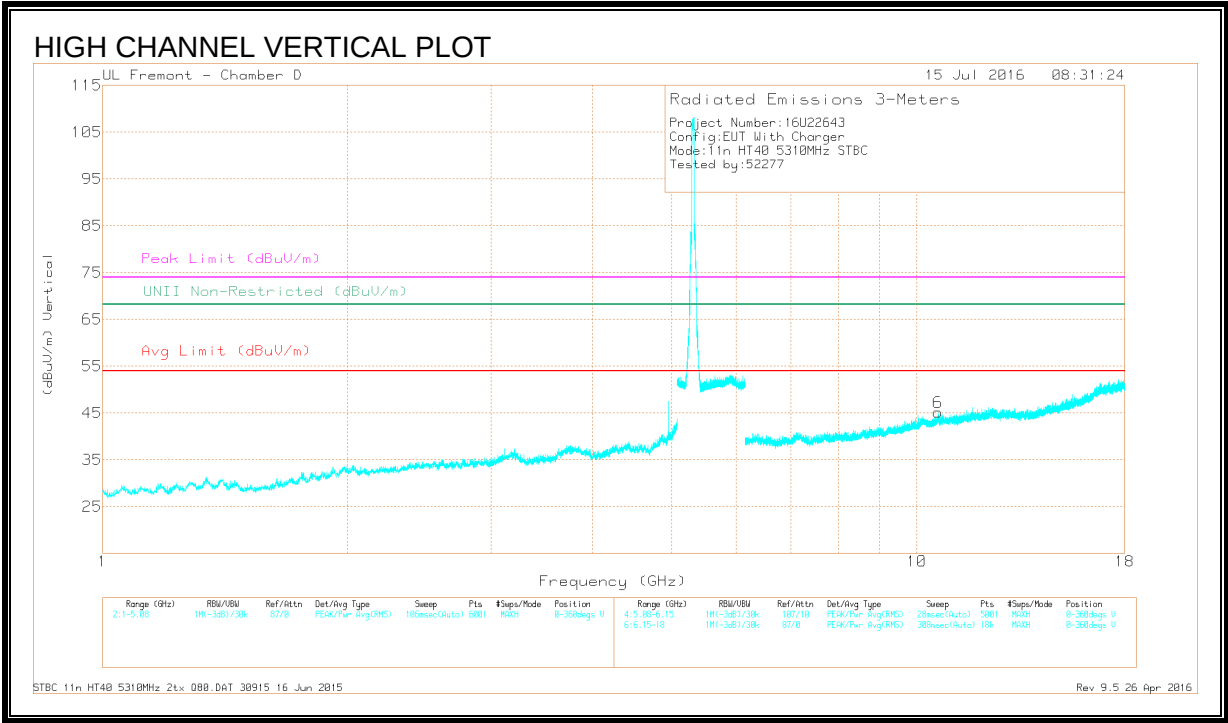
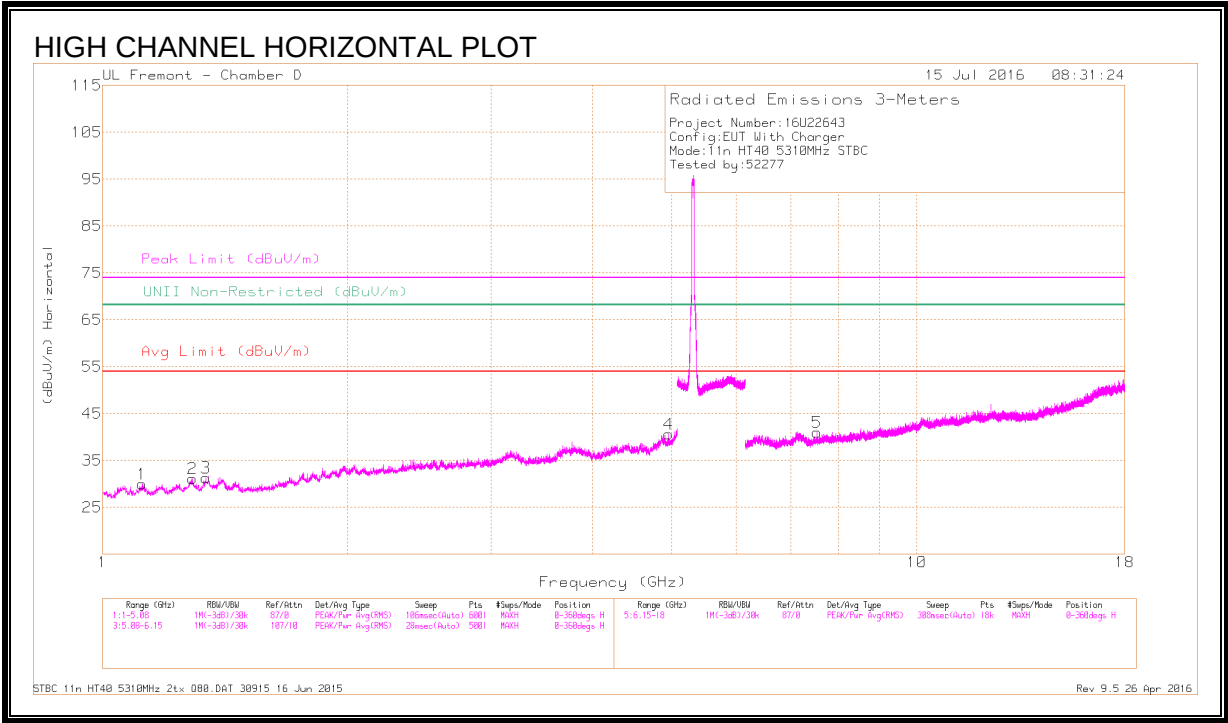
| Mark<br>ers | Frequ<br>ency<br>(GHz) | Meter<br>Read<br>ing<br>(dBu<br>V) | Det  | AF<br>T712<br>(dB/<br>m) | Amp/<br>Cbl/FI<br>tr/Pad<br>(dB) | DC<br>Corr<br>(dB) | Correct<br>ed<br>Readin<br>g<br>(dBuV/<br>m) | Avg<br>Limit<br>(dBuV/m<br>) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m<br>) | PK<br>Margin<br>(dB) | UNII<br>Non-<br>Restrict<br>ed<br>(dBuV/<br>m) | PK<br>Marg<br>in<br>(dB) | Azi<br>mut<br>h<br>(De<br>gs) | Hei<br>ght<br>(c<br>m) | Pol<br>arit<br>y |
|-------------|------------------------|------------------------------------|------|--------------------------|----------------------------------|--------------------|----------------------------------------------|------------------------------|----------------|-------------------------------|----------------------|------------------------------------------------|--------------------------|-------------------------------|------------------------|------------------|
| 1           | * 1.111                | 40.12                              | PK-U | 27.7                     | -31.9                            | 0                  | 35.92                                        | -                            | -              | 74                            | -38.08               | -                                              | -                        | 170                           | 276                    | H                |
|             | * 1.111                | 29.49                              | ADR  | 27.7                     | -31.9                            | .16                | 25.45                                        | 54                           | -28.55         | -                             | -                    | -                                              | -                        | 170                           | 276                    | H                |
| 2           | * 1.427                | 39.34                              | PK-U | 28.7                     | -31.3                            | 0                  | 36.74                                        | -                            | -              | 74                            | -37.26               | -                                              | -                        | 186                           | 360                    | H                |
|             | * 1.426                | 28.34                              | ADR  | 28.7                     | -31.3                            | .16                | 25.9                                         | 54                           | -28.1          | -                             | -                    | -                                              | -                        | 186                           | 360                    | H                |
| 3           | * 3.615                | 37.25                              | PK-U | 33.3                     | -28.9                            | 0                  | 41.65                                        | -                            | -              | 74                            | -32.35               | -                                              | -                        | 224                           | 379                    | V                |
|             | * 3.617                | 27.05                              | ADR  | 33.3                     | -28.9                            | .16                | 31.61                                        | 54                           | -22.39         | -                             | -                    | -                                              | -                        | 224                           | 379                    | V                |
| 4           | * 3.959                | 38.11                              | PK-U | 33.4                     | -27.9                            | 0                  | 43.61                                        | -                            | -              | 74                            | -30.39               | -                                              | -                        | 29                            | 370                    | V                |
|             | * 3.962                | 26.98                              | ADR  | 33.4                     | -27.9                            | .16                | 32.64                                        | 54                           | -21.36         | -                             | -                    | -                                              | -                        | 29                            | 370                    | V                |
| 5           | * 8.361                | 34.98                              | PK-U | 35.8                     | -23.2                            | 0                  | 47.58                                        | -                            | -              | 74                            | -26.42               | -                                              | -                        | 268                           | 237                    | H                |
|             | * 8.362                | 24                                 | ADR  | 35.8                     | -23.2                            | .16                | 36.76                                        | 54                           | -17.24         | -                             | -                    | -                                              | -                        | 268                           | 237                    | H                |
| 6           | * 9.488                | 33.13                              | PK-U | 36.6                     | -21.3                            | 0                  | 48.43                                        | -                            | -              | 74                            | -25.57               | -                                              | -                        | 237                           | 262                    | V                |
|             | * 9.491                | 22.53                              | ADR  | 36.6                     | -21.3                            | .16                | 37.99                                        | 54                           | -16.01         | -                             | -                    | -                                              | -                        | 237                           | 262                    | 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 HARMONICS AND SPURIOUS EMISSIONS



# DATA

| Mark<br>ers | Frequen<br>cy<br>(GHz) | Meter<br>Read<br>ing<br>(dBu<br>V) | Det  | AF<br>T712<br>(dB/<br>m) | Amp/<br>Cbl/FI<br>tr/Pa<br>d<br>(dB) | DC<br>Corr<br>(dB) | Correc<br>ted<br>Readin<br>g<br>(dBuV/<br>m) | Avg<br>Limit<br>(dBuV/<br>m) | Margi<br>n<br>(dB) | Peak<br>Limit<br>(dBuV/<br>m) | PK<br>Margin<br>(dB) | UNII<br>Non-<br>Restric<br>ted<br>(dBuV/<br>m) | PK<br>Marg<br>in<br>(dB) | Azi<br>mut<br>h<br>(De<br>gs) | Hei<br>ght<br>(c<br>m) | Pol<br>arit<br>y |
|-------------|------------------------|------------------------------------|------|--------------------------|--------------------------------------|--------------------|----------------------------------------------|------------------------------|--------------------|-------------------------------|----------------------|------------------------------------------------|--------------------------|-------------------------------|------------------------|------------------|
| 1           | * 1.118                | 41.41                              | PK-U | 27.7                     | -31.9                                | 0                  | 37.21                                        | -                            | -                  | 74                            | -36.79               | -                                              | -                        | 60                            | 128                    | H                |
|             | * 1.117                | 29.74                              | ADR  | 27.7                     | -31.9                                | .16                | 25.7                                         | 54                           | -28.3              | -                             | -                    | -                                              | -                        | 60                            | 128                    | H                |
| 2           | * 1.289                | 40.66                              | PK-U | 28.8                     | -31.7                                | 0                  | 37.76                                        | -                            | -                  | 74                            | -36.24               | -                                              | -                        | 60                            | 364                    | H                |
|             | * 1.287                | 29.49                              | ADR  | 28.8                     | -31.7                                | .16                | 26.75                                        | 54                           | -27.25             | -                             | -                    | -                                              | -                        | 60                            | 364                    | H                |
| 3           | * 1.339                | 40.45                              | PK-U | 28.9                     | -31.3                                | 0                  | 38.05                                        | -                            | -                  | 74                            | -35.95               | -                                              | -                        | 127                           | 141                    | H                |
|             | * 1.34                 | 29.69                              | ADR  | 28.9                     | -31.3                                | .16                | 27.45                                        | 54                           | -26.55             | -                             | -                    | -                                              | -                        | 127                           | 141                    | H                |
| 4           | * 4.956                | 40.91                              | PK-U | 34.1                     | -26.6                                | 0                  | 48.41                                        | -                            | -                  | 74                            | -25.59               | -                                              | -                        | 211                           | 385                    | H                |
|             | * 4.956                | 30.75                              | ADR  | 34.1                     | -26.6                                | .16                | 38.41                                        | 54                           | -15.59             | -                             | -                    | -                                              | -                        | 211                           | 385                    | H                |
| 5           | * 7.541                | 36.24                              | PK-U | 35.7                     | -24.4                                | 0                  | 47.54                                        | -                            | -                  | 74                            | -26.46               | -                                              | -                        | 129                           | 286                    | H                |
|             | * 7.538                | 24.63                              | ADR  | 35.7                     | -24.4                                | .16                | 36.09                                        | 54                           | -17.91             | -                             | -                    | -                                              | -                        | 129                           | 286                    | H                |
| 6           | * 10.619               | 35.68                              | PK-U | 37.8                     | -21.2                                | 0                  | 52.28                                        | -                            | -                  | 74                            | -21.72               | -                                              | -                        | 130                           | 104                    | V                |
|             | * 10.619               | 24.59                              | ADR  | 37.8                     | -21.2                                | .16                | 41.35                                        | 54                           | -12.65             | -                             | -                    | -                                              | -                        | 130                           | 104                    | V                |

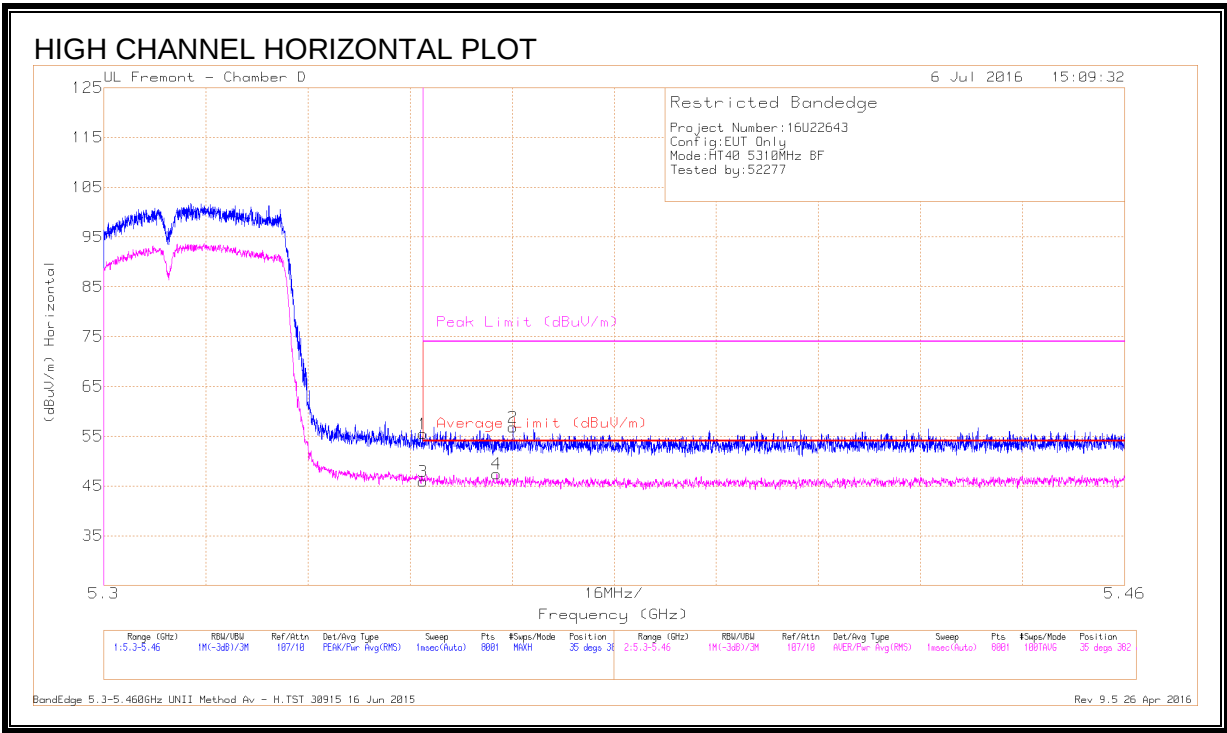
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.21. 802.11n HT40 2Tx BEAM FORMING MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL)



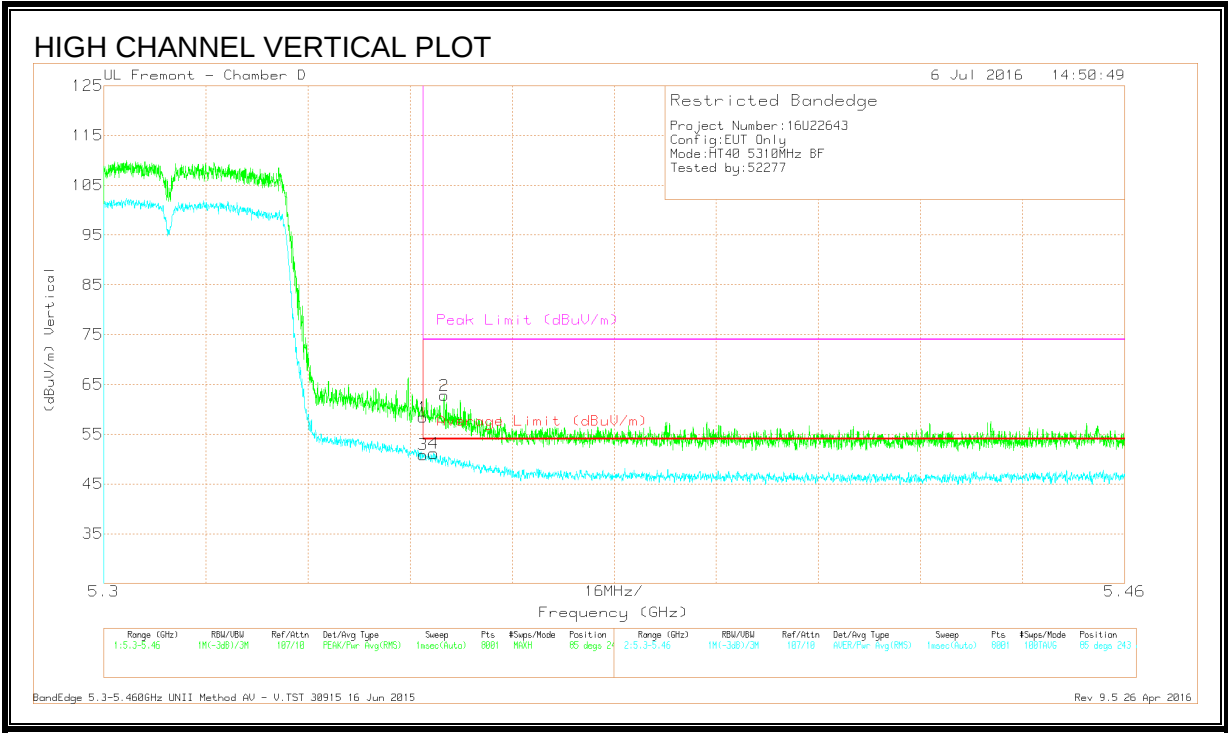
DATA

| Mar<br>ker | Frequenc<br>y<br>(GHz) | Mete<br>r<br>Read<br>ing<br>(dBu<br>V) | Det | AF<br>T712<br>(dB/m<br>) | Amp/C<br>bl/Filtr/<br>Pad<br>(dB) | DC Corr<br>(dB) | Corre<br>cted<br>Readi<br>ng<br>(dBu<br>V/m) | Average<br>Limit<br>(dBuV/m<br>) | Margi<br>n<br>(dB) | Peak<br>Limit<br>(dBuV/<br>m) | PK<br>Margin<br>(dB) | Azi<br>mut<br>h<br>(Deg<br>s) | Hei<br>ght<br>(cm<br>) | Pola<br>rity |
|------------|------------------------|----------------------------------------|-----|--------------------------|-----------------------------------|-----------------|----------------------------------------------|----------------------------------|--------------------|-------------------------------|----------------------|-------------------------------|------------------------|--------------|
| 1          | * 5.35                 | 39.34                                  | Pk  | 34.3                     | -18.2                             | 0               | 55.44                                        | -                                | -                  | 74                            | -18.56               | 35                            | 382                    | H            |
| 2          | * 5.364                | 40.57                                  | Pk  | 34.4                     | -18.2                             | 0               | 56.77                                        | -                                | -                  | 74                            | -17.23               | 35                            | 382                    | H            |
| 3          | * 5.35                 | 29.71                                  | RMS | 34.3                     | -18.2                             | .12             | 45.93                                        | 54                               | -8.07              | -                             | -                    | 35                            | 382                    | H            |
| 4          | * 5.362                | 31.12                                  | RMS | 34.4                     | -18.2                             | .12             | 47.44                                        | 54                               | -6.56              | -                             | -                    | 35                            | 382                    | H            |

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

Pk - Peak detector

RMS - RMS detection



DATA

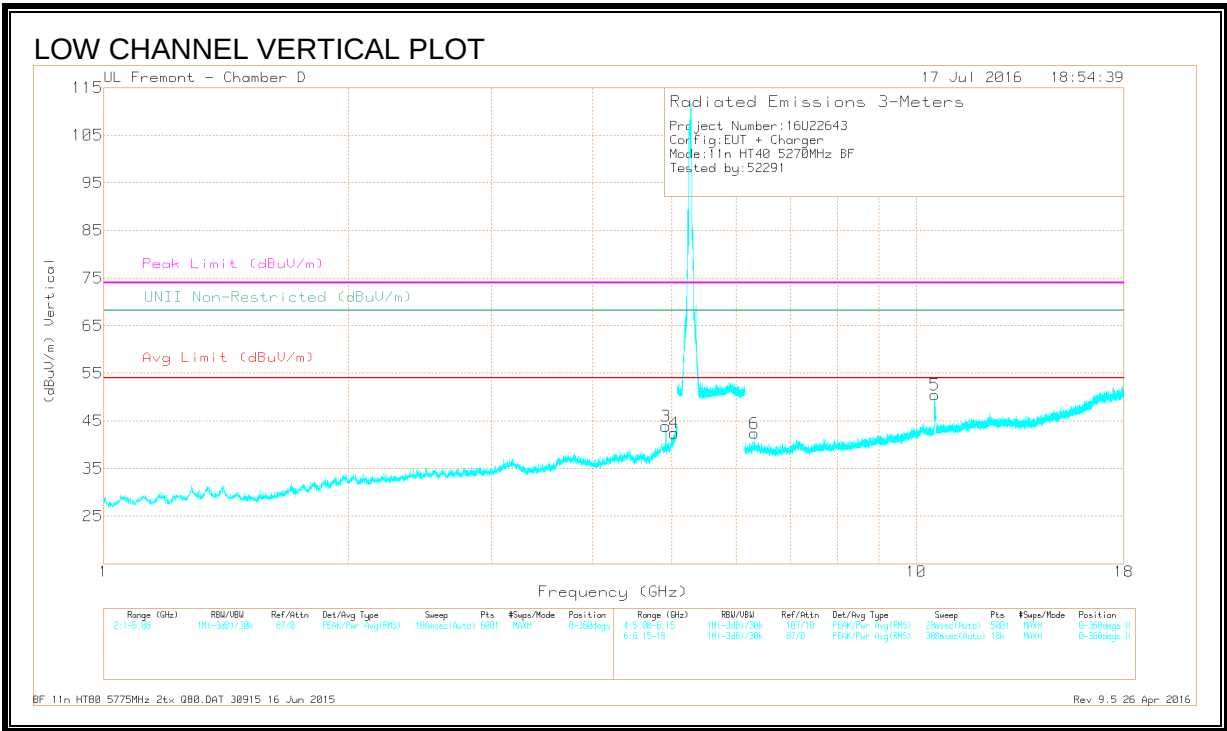
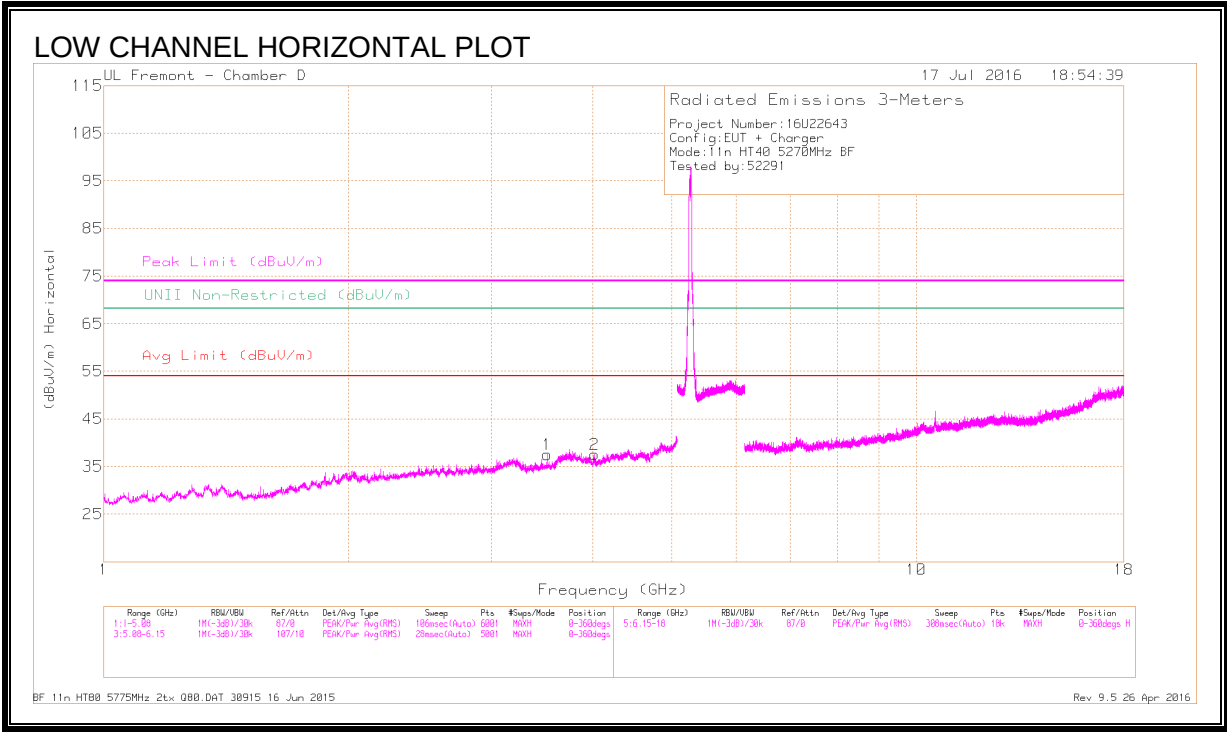
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/Cbl /Fitr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.35          | 42.29                | Pk  | 34.3           | -18.2                  | 0            | 58.39                      | -                      | -           | 74                  | -15.61         | 85             | 243         | V        |
| 2      | * 5.353         | 46.66                | Pk  | 34.3           | -18.2                  | 0            | 62.76                      | -                      | -           | 74                  | -11.24         | 85             | 243         | V        |
| 3      | * 5.35          | 34.65                | RMS | 34.3           | -18.2                  | .12          | 50.87                      | 54                     | -3.13       | -                   | -              | 85             | 243         | V        |
| 4      | * 5.352         | 34.91                | RMS | 34.3           | -18.2                  | .12          | 51.13                      | 54                     | -2.87       | -                   | -              | 85             | 243         | V        |

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

Pk - Peak detector

RMS - RMS detection

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



## DATA

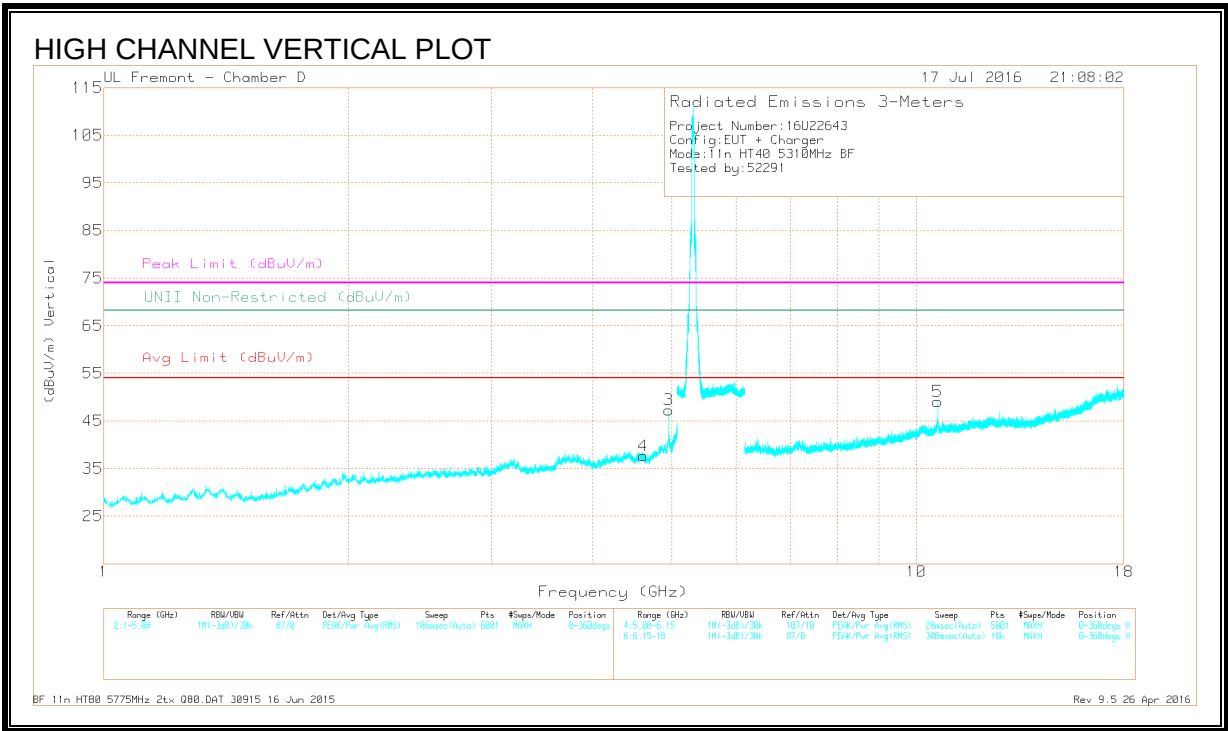
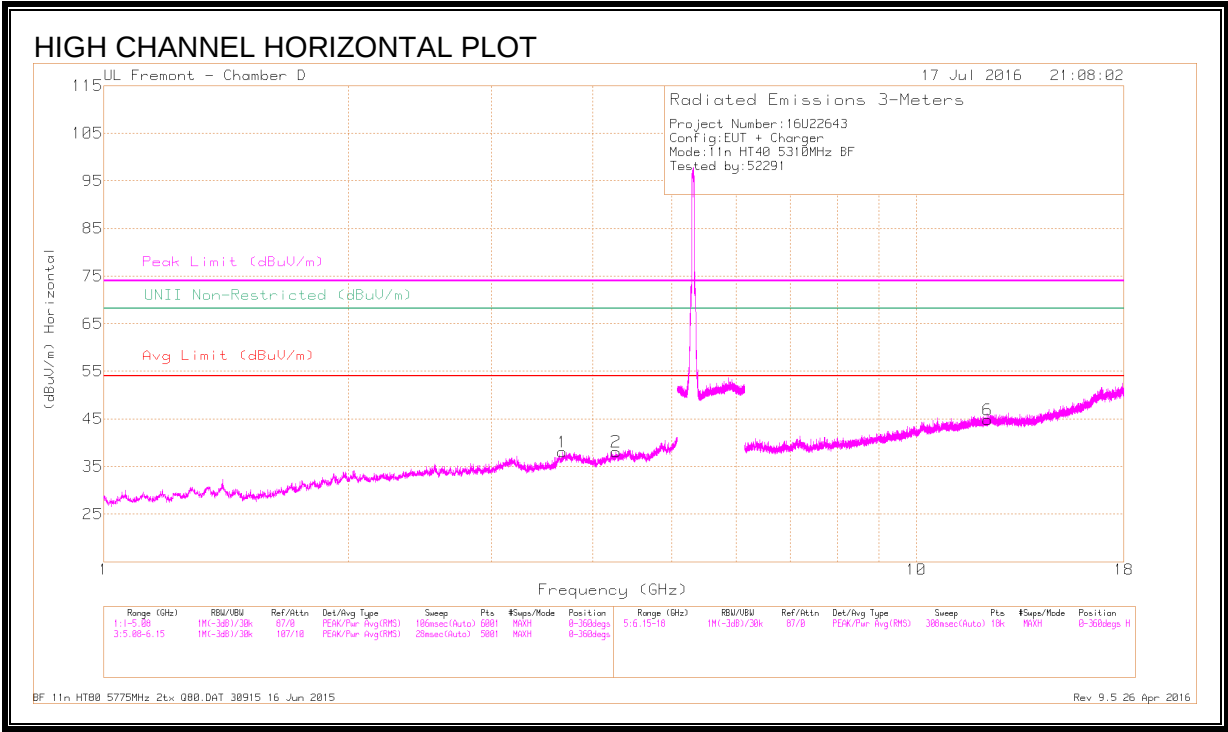
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (dB/m) | Amp/Cbl /Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 3.517         | 38.4                 | PK-U | 33             | -28.6                   | 0            | 42.8                       | -                  | -           | 74                  | -31.2          | -                            | -              | 16             | 380         | H        |
|        | * 3.515         | 27.34                | ADR  | 33             | -28.6                   | .12          | 31.86                      | 54                 | -22.14      | -                   | -              | -                            | -              | 16             | 380         | H        |
| 2      | * 4.017         | 37.7                 | PK-U | 33.3           | -28.2                   | 0            | 42.8                       | -                  | -           | 74                  | -31.2          | -                            | -              | 86             | 328         | H        |
|        | * 4.017         | 27.36                | ADR  | 33.3           | -28.2                   | .12          | 32.58                      | 54                 | -21.42      | -                   | -              | -                            | -              | 86             | 328         | H        |
| 3      | * 4.919         | 39.32                | PK-U | 34.1           | -26.2                   | 0            | 47.22                      | -                  | -           | 74                  | -26.78         | -                            | -              | 134            | 223         | V        |
|        | * 4.919         | 30.53                | ADR  | 34.1           | -26.2                   | .12          | 38.55                      | 54                 | -15.45      | -                   | -              | -                            | -              | 134            | 223         | V        |
| 4      | * 5.033         | 41.22                | PK-U | 34             | -25.4                   | 0            | 49.82                      | -                  | -           | 74                  | -24.18         | -                            | -              | 87             | 246         | V        |
|        | * 5.034         | 30.02                | ADR  | 34             | -25.4                   | .12          | 38.74                      | 54                 | -15.26      | -                   | -              | -                            | -              | 87             | 246         | V        |
| 6      | 6.323           | 36.15                | PK-U | 35.6           | -25.5                   | 0            | 46.25                      | -                  | -           | -                   | -              | 68.2                         | -21.95         | 106            | 155         | V        |
|        | 6.324           | 26.64                | ADR  | 35.6           | -25.5                   | .12          | 36.86                      | -                  | -           | -                   | -              | -                            | -              | 106            | 155         | V        |
| 5      | 10.539          | 24.07                | ADR  | 37.7           | -21                     | .12          | 40.89                      | -                  | -           | -                   | -              | -                            | -              | 97             | 215         | V        |
|        | 10.54           | 35.67                | PK-U | 37.7           | -21                     | 0            | 52.37                      | -                  | -           | -                   | -              | 68.2                         | -15.83         | 97             | 215         | 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 HARMONICS AND SPURIOUS EMISSIONS



# DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (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 (Degrees) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|-------------------|-------------|----------|
| 1      | * 3.667         | 37.73                | PK-U | 33.4           | -28.9                  | 0            | 42.23                      | -                  | -           | 74                  | -31.77         | -                            | -              | 237               | 245         | H        |
|        | * 3.668         | 26.99                | ADR  | 33.4           | -28.9                  | .12          | 31.61                      | 54                 | -22.39      | -                   | -              | -                            | -              | 237               | 245         | H        |
| 2      | * 4.273         | 37.64                | PK-U | 33.5           | -27.5                  | 0            | 43.64                      | -                  | -           | 74                  | -30.36         | -                            | -              | 251               | 200         | H        |
|        | * 4.273         | 27.54                | ADR  | 33.5           | -27.5                  | .12          | 33.66                      | 54                 | -20.34      | -                   | -              | -                            | -              | 251               | 200         | H        |
| 3      | * 4.957         | 37.75                | PK-U | 34.1           | -26.6                  | 0            | 45.25                      | -                  | -           | 74                  | -28.75         | -                            | -              | 161               | 187         | V        |
|        | * 4.956         | 27.52                | ADR  | 34.1           | -26.6                  | .12          | 35.14                      | 54                 | -18.86      | -                   | -              | -                            | -              | 161               | 187         | V        |
| 4      | * 4.612         | 37.27                | PK-U | 34.2           | -26.5                  | 0            | 44.97                      | -                  | -           | 74                  | -29.03         | -                            | -              | 175               | 139         | V        |
|        | * 4.611         | 26.7                 | ADR  | 34.2           | -26.5                  | .12          | 34.52                      | 54                 | -19.48      | -                   | -              | -                            | -              | 175               | 139         | V        |
| 6      | * 12.233        | 34.36                | PK-U | 39             | -21.6                  | 0            | 51.76                      | -                  | -           | 74                  | -22.24         | -                            | -              | 185               | 222         | H        |
|        | * 12.233        | 24.04                | ADR  | 39             | -21.6                  | .12          | 41.56                      | 54                 | -12.44      | -                   | -              | -                            | -              | 185               | 222         | H        |
| 5      | * 10.62         | 34.75                | PK-U | 37.8           | -21.3                  | 0            | 51.25                      | -                  | -           | 74                  | -22.75         | -                            | -              | 107               | 190         | V        |
|        | * 10.619        | 24.08                | ADR  | 37.8           | -21.2                  | .12          | 40.8                       | 54                 | -13.2       | -                   | -              | -                            | -              | 107               | 190         | V        |

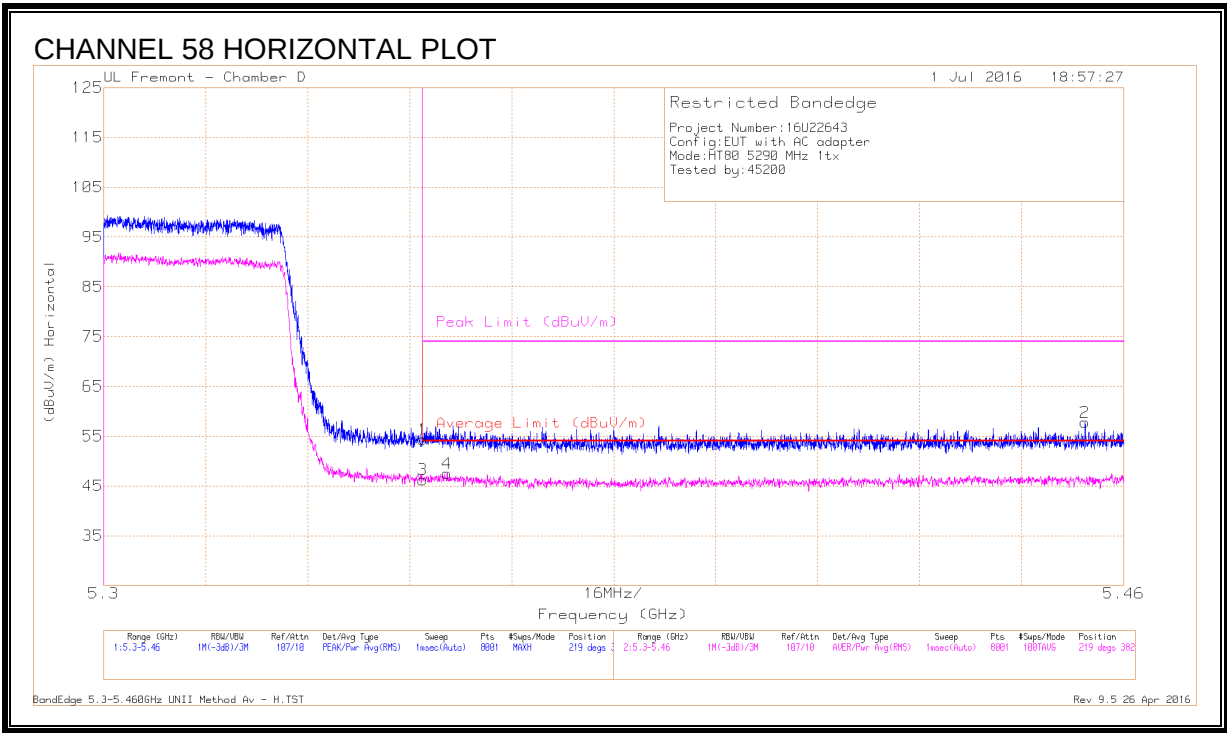
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.22. 802.11ac VHT80 1Tx MODE IN THE 5.3 GHz BAND

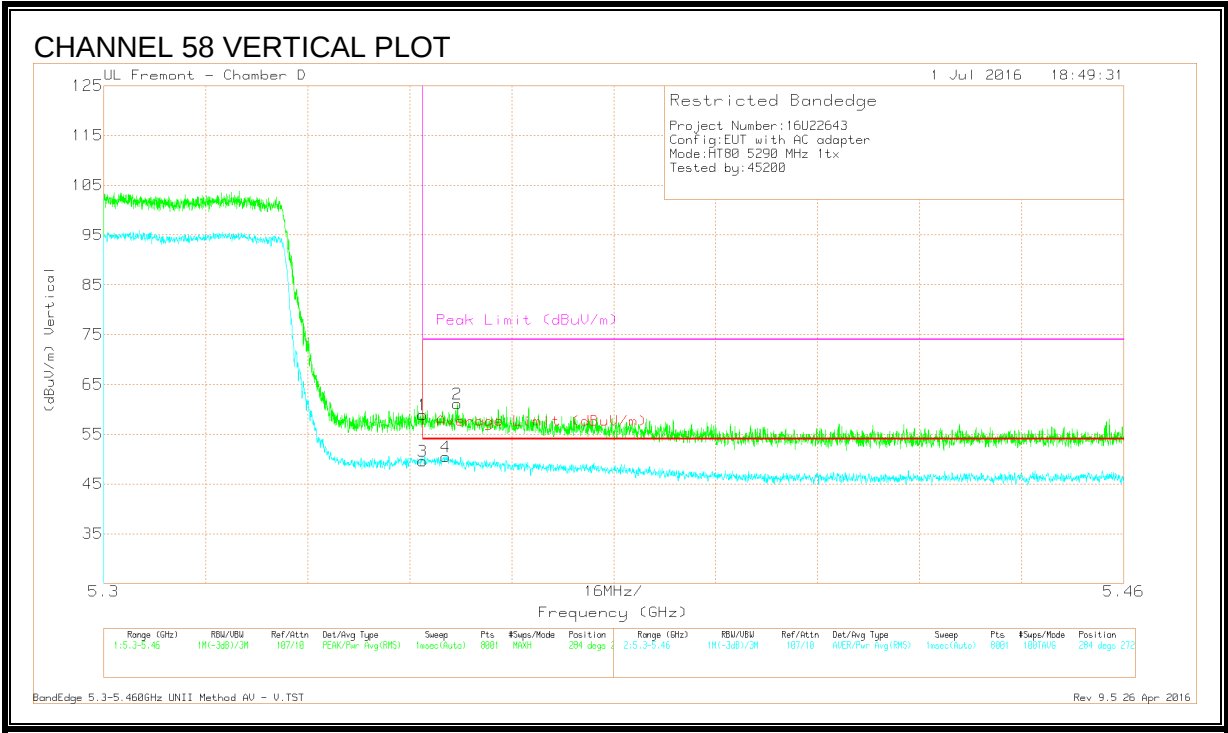
RESTRICTED BANDEDGE, CHAIN 0 (HIGH CHANNEL, CH 58)



DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/ Cbl/FI tr/Pad (dB) | DC Corr (dB) | Correct ed Readin g (dBuV/ m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV /m) | PK Margin (dB) | Azi mut h (De gs) | Hei ght (c m) | Pol arit y |
|--------|-----------------|----------------------|-----|----------------|-------------------------|--------------|-------------------------------|------------------------|-------------|----------------------|----------------|-------------------|---------------|------------|
| 1      | * 5.35          | 38.25                | Pk  | 34.3           | -18.2                   | 0            | 54.35                         | -                      | -           | 74                   | -19.65         | 219               | 382           | H          |
| 3      | * 5.35          | 29.99                | RMS | 34.3           | -18.2                   | .22          | 46.25                         | 54                     | -7.75       | -                    | -              | 219               | 382           | H          |
| 4      | * 5.354         | 31.24                | RMS | 34.3           | -18.2                   | .22          | 47.5                          | 54                     | -6.5        | -                    | -              | 219               | 382           | H          |
| 2      | * 5.454         | 41.26                | Pk  | 34.4           | -17.9                   | 0            | 57.76                         | -                      | -           | 74                   | -16.24         | 219               | 382           | H          |

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

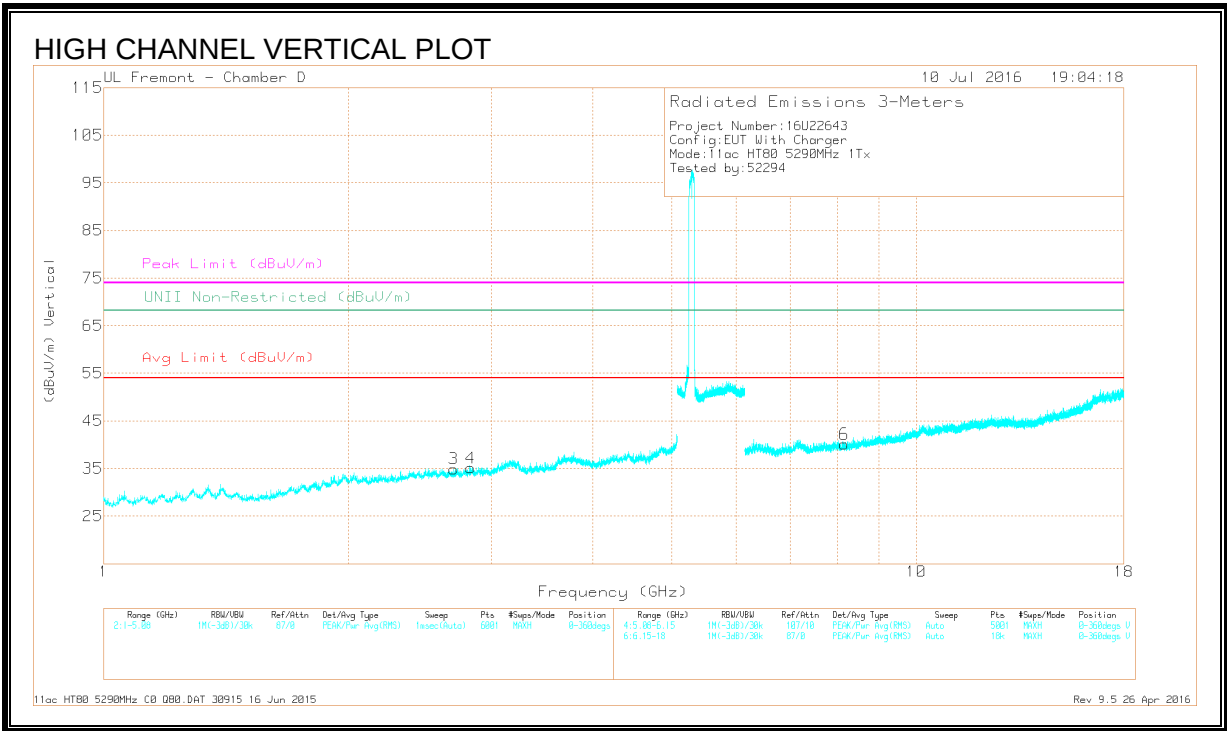
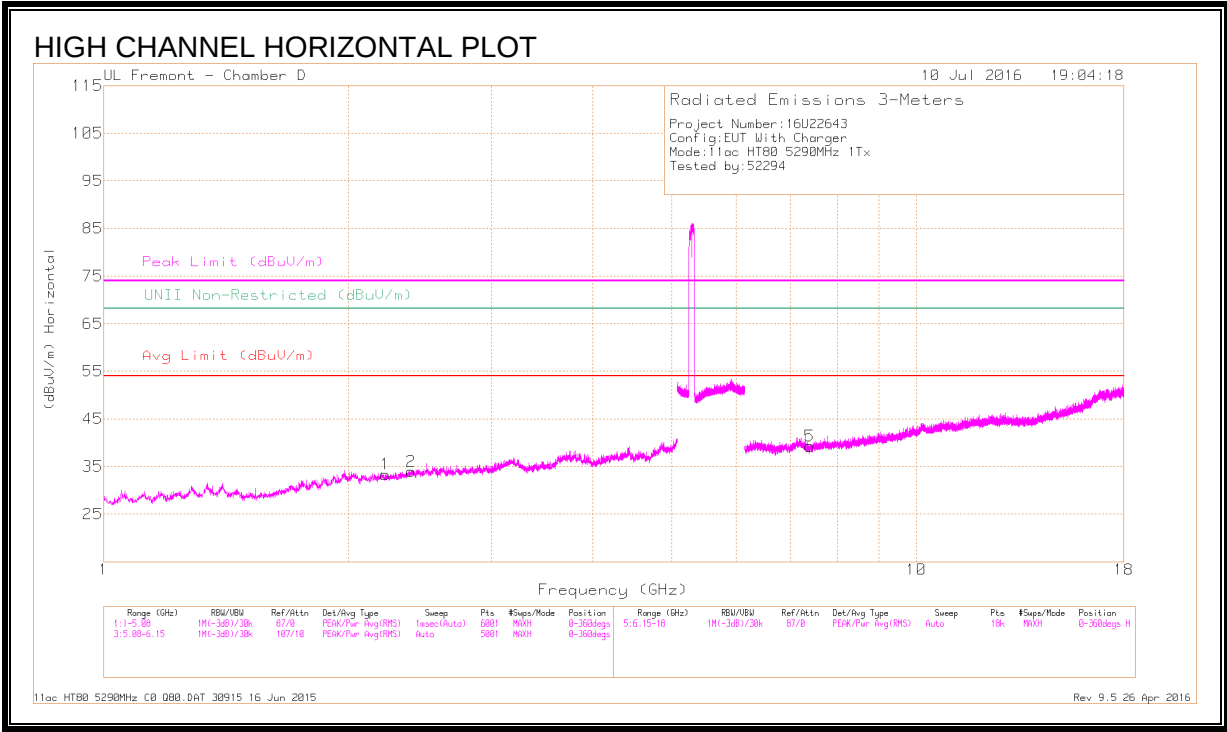


DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | 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          | 42.75                | Pk  | 34.3           | -18.2                  | 0            | 58.85                      | -                      | -           | 74                  | -15.15         | 284            | 272         | V        |
| 3      | * 5.35          | 33.46                | RMS | 34.3           | -18.2                  | .22          | 49.72                      | 54                     | -4.28       | -                   | -              | 284            | 272         | V        |
| 4      | * 5.354         | 34.36                | RMS | 34.3           | -18.2                  | .22          | 50.62                      | 54                     | -3.38       | -                   | -              | 284            | 272         | V        |
| 2      | * 5.356         | 44.99                | Pk  | 34.4           | -18.3                  | 0            | 61.09                      | -                      | -           | 74                  | -12.91         | 284            | 272         | V        |

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

HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS blurry



## DATA

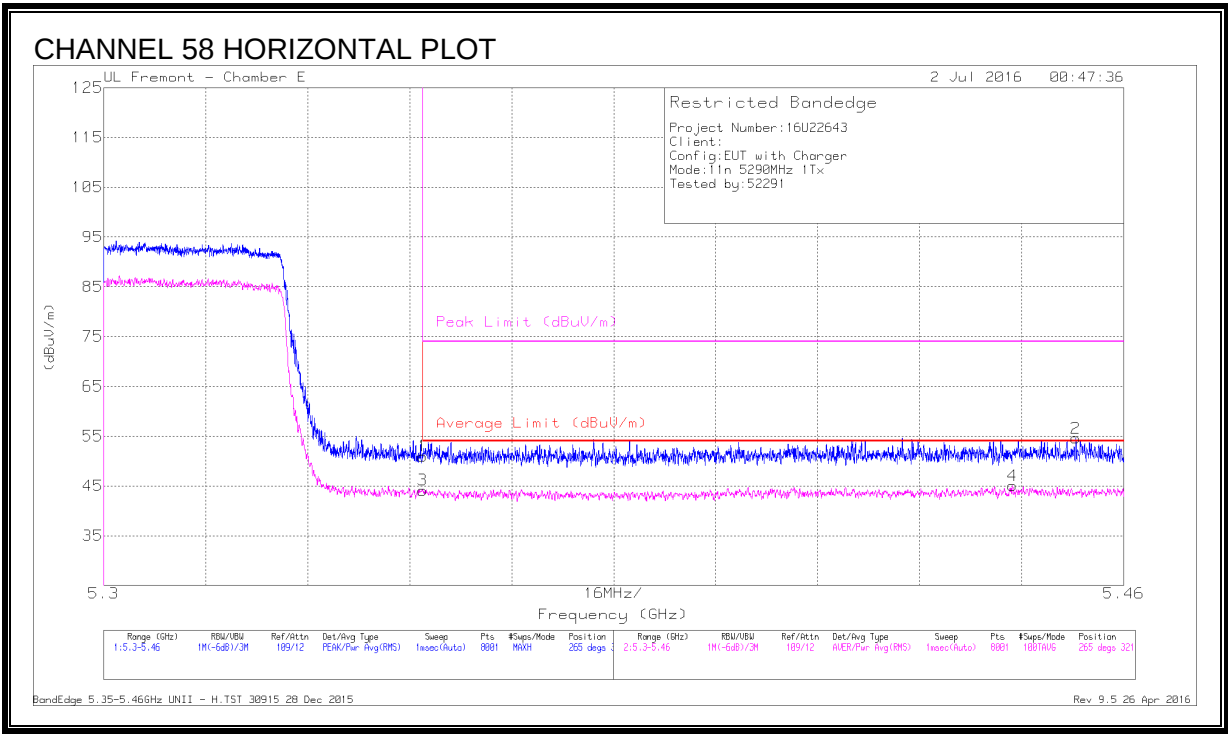
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (dB/m) | Amp /Cbl/ Fitr/ Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|--------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 2.22          | 39.65                | PK-U | 31.5           | -30.7                    | 0            | 40.45                      | -                  | -           | 74                  | -33.55         | -                            | -              | 74             | 265         | H        |
|        | * 2.219         | 28.56                | ADR  | 31.6           | -30.7                    | .22          | 29.62                      | 54                 | -24.38      | -                   | -              | -                            | -              | 74             | 265         | H        |
| 2      | * 2.257         | 40                   | PK-U | 31.5           | -30.7                    | 0            | 40.8                       | -                  | -           | 74                  | -33.2          | -                            | -              | 22             | 325         | H        |
|        | * 2.261         | 29.16                | ADR  | 31.5           | -30.6                    | .22          | 30.22                      | 54                 | -23.78      | -                   | -              | -                            | -              | 22             | 325         | H        |
| 3      | * 2.698         | 39.16                | PK-U | 32.4           | -30.4                    | 0            | 41.16                      | -                  | -           | 74                  | -32.84         | -                            | -              | 86             | 287         | V        |
|        | * 2.695         | 28.86                | ADR  | 32.4           | -30.4                    | .22          | 31.02                      | 54                 | -22.98      | -                   | -              | -                            | -              | 86             | 287         | V        |
| 4      | * 2.829         | 39.53                | PK-U | 32.3           | -29.2                    | 0            | 42.63                      | -                  | -           | 74                  | -31.37         | -                            | -              | 57             | 221         | V        |
|        | * 2.829         | 28.17                | ADR  | 32.3           | -29.2                    | .22          | 31.43                      | 54                 | -22.57      | -                   | -              | -                            | -              | 57             | 221         | V        |
| 5      | * 7.391         | 35.48                | PK-U | 35.6           | -25.1                    | 0            | 45.98                      | -                  | -           | 74                  | -28.02         | -                            | -              | 289            | 289         | H        |
|        | * 7.392         | 25.28                | ADR  | 35.6           | -25.1                    | .22          | 35.94                      | 54                 | -18.06      | -                   | -              | -                            | -              | 289            | 289         | H        |
| 6      | * 8.154         | 36.13                | PK-U | 35.8           | -23.9                    | 0            | 48.03                      | -                  | -           | 74                  | -25.97         | -                            | -              | 111            | 165         | V        |
|        | * 8.156         | 24.93                | ADR  | 35.8           | -24                      | .22          | 36.89                      | 54                 | -17.11      | -                   | -              | -                            | -              | 111            | 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

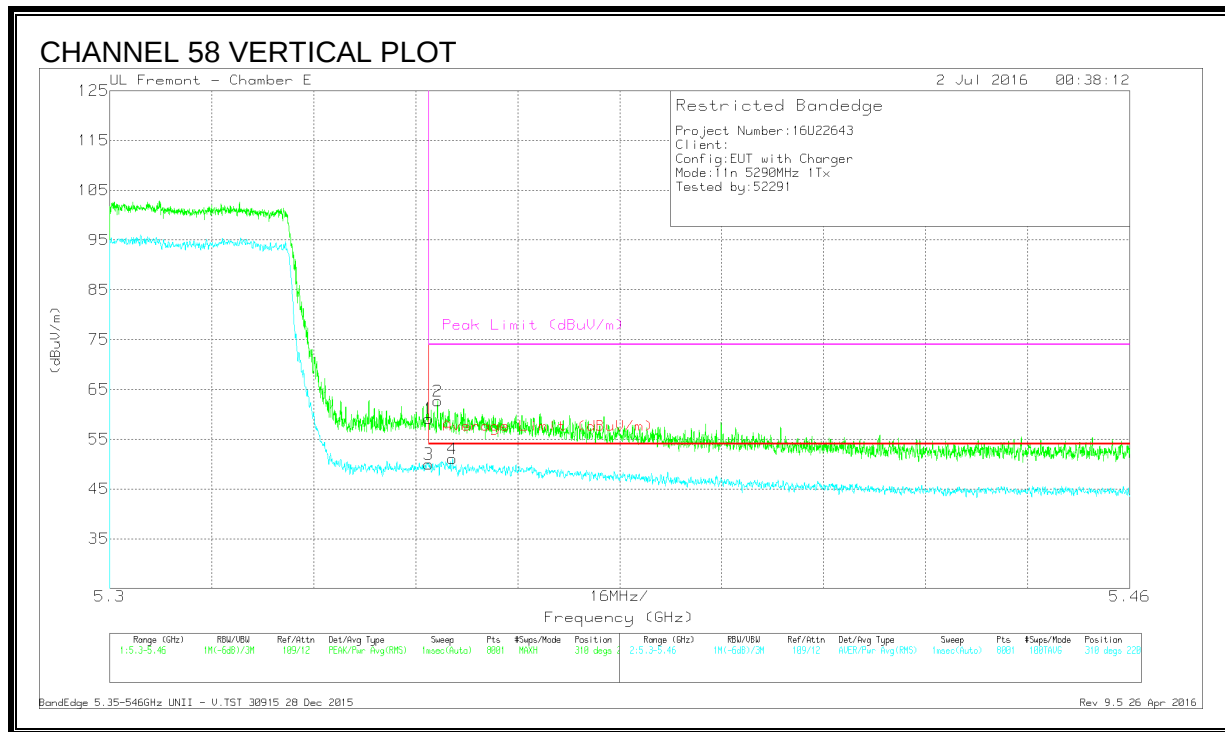
RESTRICTED BANDEDGE, CHAIN 1 (HIGH CHANNEL, CH 58)



DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T711 (dB/m) | Amp/Cbl/FI tri/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degrees) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|-------------------|-------------|----------|
| 1      | * 5.35          | 36.19                | Pk  | 34.4           | -19.6                   | 0            | 50.99                      | -                      | -           | 74                  | -23.01         | 265               | 321         | H        |
| 3      | * 5.35          | 29.35                | RMS | 34.4           | -19.6                   | .22          | 44.37                      | 54                     | -9.63       | -                   | -              | 265               | 321         | H        |
| 4      | * 5.443         | 30.16                | RMS | 34.4           | -19.5                   | .22          | 45.28                      | 54                     | -8.72       | -                   | -              | 265               | 321         | H        |
| 2      | * 5.452         | 39.9                 | Pk  | 34.4           | -19.7                   | 0            | 54.6                       | -                      | -           | 74                  | -19.4          | 265               | 321         | H        |

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



## DATA

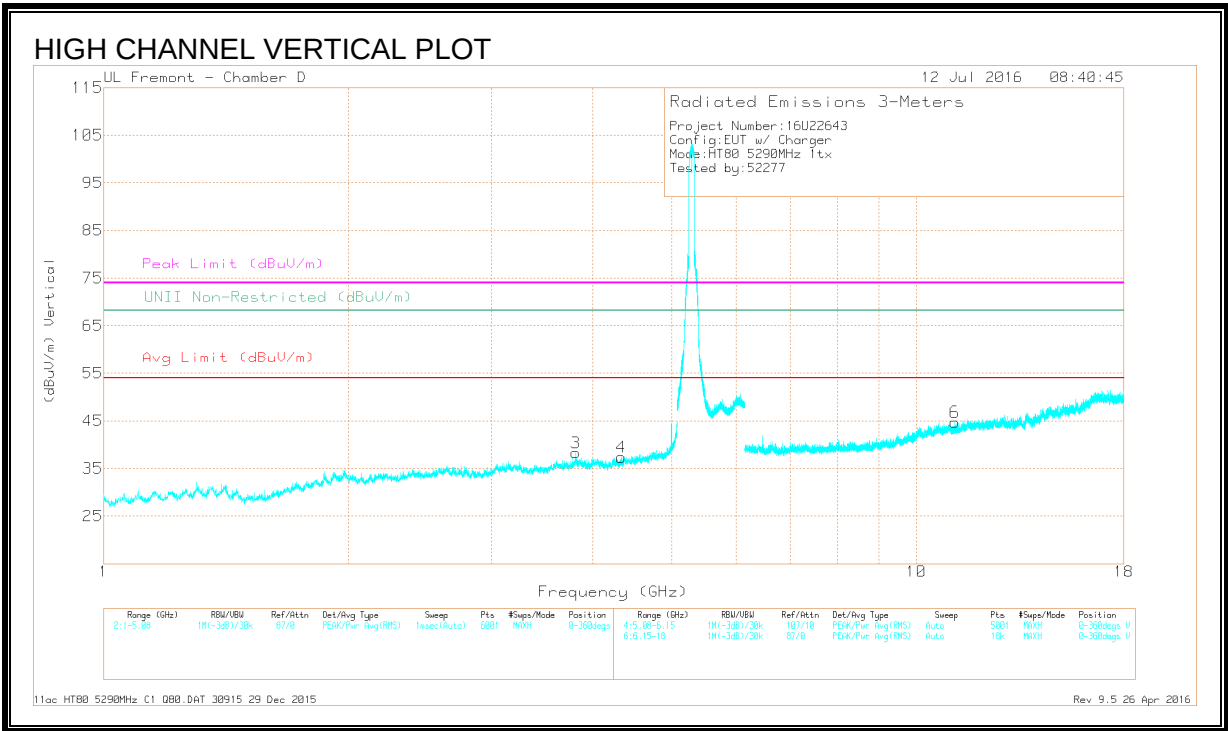
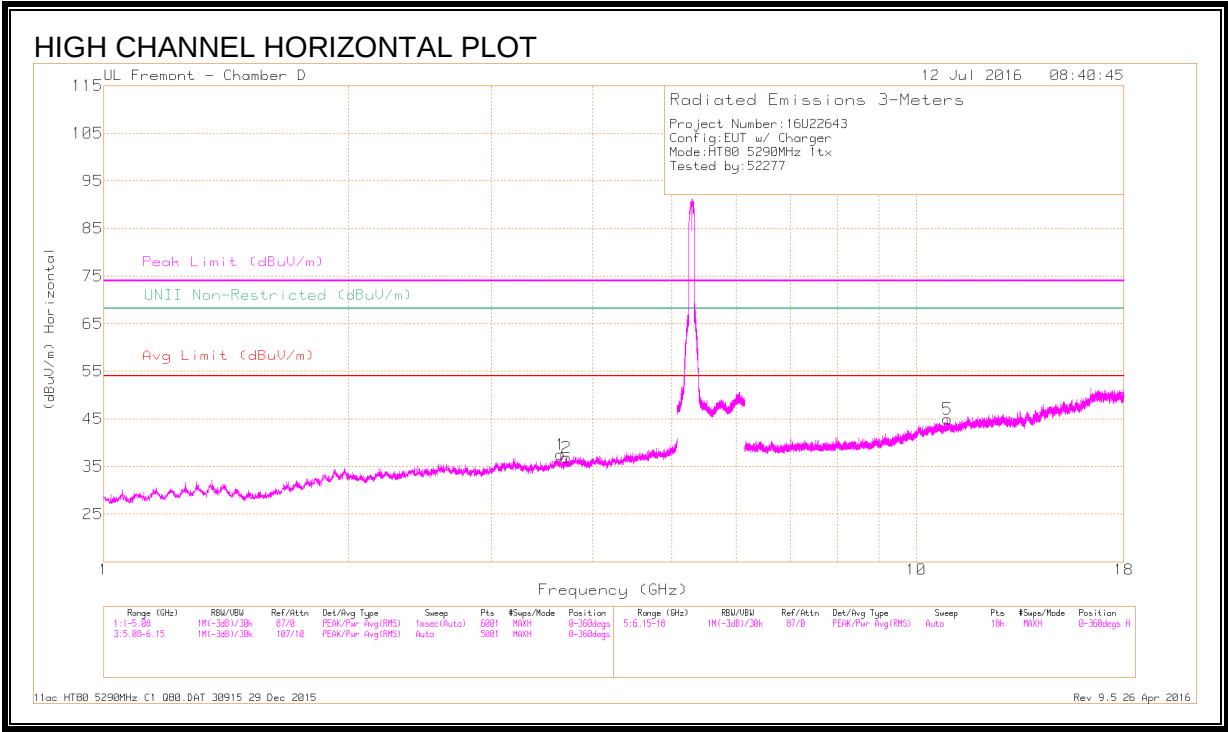
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T711 (dB/m) | Amp/Cbl/FI tri/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degrees) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|-------------------|-------------|----------|
| 1      | * 5.35          | 44.34                | Pk  | 34.4           | -19.6                   | 0            | 59.14                      | -                      | -           | 74                  | -14.86         | 310               | 220         | V        |
| 3      | * 5.35          | 35.18                | RMS | 34.4           | -19.6                   | .22          | 51.20                      | 54                     | -3.80       | -                   | -              | 310               | 220         | V        |
| 2      | * 5.351         | 47.85                | Pk  | 34.4           | -19.6                   | .22          | 62.65                      | -                      | -           | 74                  | -11.35         | 310               | 220         | V        |
| 4      | * 5.354         | 36.24                | RMS | 34.4           | -19.6                   | 0            | 51.26                      | 54                     | -2.74       | -                   | -              | 310               | 220         | V        |

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

Pk - Peak detector

RMS - RMS detection

HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS



# **DATA**

| Mark<br>ers | Frequen<br>cy<br>(GHz) | Meter<br>Readi<br>ng<br>(dBuV<br>) | Det  | AF<br>T711<br>(dB/m<br>) | Amp/Cb<br>l/Filtr/Pa<br>d (dB) | DC Corr<br>(dB) | Corre<br>cted<br>Readi<br>ng<br>(dBu<br>V/m) | Avg Limit<br>(dBuV/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>Marg<br>in<br>(dB) | Azi<br>mut<br>h<br>(Deg<br>s) | Hei<br>ght<br>(cm<br>) | Pola<br>rity |
|-------------|------------------------|------------------------------------|------|--------------------------|--------------------------------|-----------------|----------------------------------------------|-----------------------|----------------|-------------------------------|----------------------|------------------------------------------------|--------------------------|-------------------------------|------------------------|--------------|
| 1           | * 3.652                | 40.18                              | PK-U | 33.1                     | -30.6                          | 0               | 42.68                                        | -                     | -              | 74                            | -31.32               | -                                              | -                        | 199                           | 109                    | H            |
|             | * 3.651                | 29.41                              | ADR  | 33.1                     | -30.7                          | .22             | 31.97                                        | 54                    | -22.03         | -                             | -                    | -                                              | -                        | 199                           | 109                    | H            |
| 2           | * 3.71                 | 40.35                              | PK-U | 33.1                     | -31                            | 0               | 42.45                                        | -                     | -              | 74                            | -31.55               | -                                              | -                        | 200                           | 375                    | H            |
|             | * 3.708                | 29.93                              | ADR  | 33.1                     | -30.9                          | .22             | 32.29                                        | 54                    | -21.71         | -                             | -                    | -                                              | -                        | 200                           | 375                    | H            |
| 3           | * 3.811                | 40.14                              | PK-U | 33.1                     | -30                            | 0               | 43.24                                        | -                     | -              | 74                            | -30.76               | -                                              | -                        | 199                           | 275                    | V            |
|             | * 3.813                | 29.41                              | ADR  | 33.1                     | -30                            | .22             | 32.67                                        | 54                    | -21.33         | -                             | -                    | -                                              | -                        | 199                           | 275                    | V            |
| 4           | * 4.335                | 40.96                              | PK-U | 33.5                     | -30.6                          | 0               | 43.86                                        | -                     | -              | 74                            | -30.14               | -                                              | -                        | 141                           | 174                    | V            |
|             | * 4.334                | 29.87                              | ADR  | 33.5                     | -30.6                          | .22             | 32.93                                        | 54                    | -21.07         | -                             | -                    | -                                              | -                        | 141                           | 174                    | V            |
| 5           | * 10.926               | 36.2                               | PK-U | 38                       | -23.9                          | 0               | 50.3                                         | -                     | -              | 74                            | -23.7                | -                                              | -                        | 225                           | 216                    | H            |
|             | * 10.923               | 25.93                              | ADR  | 38                       | -24                            | .22             | 40.09                                        | 54                    | -13.91         | -                             | -                    | -                                              | -                        | 225                           | 216                    | H            |
| 6           | * 11.146               | 37.37                              | PK-U | 38.1                     | -24                            | 0               | 51.47                                        | -                     | -              | 74                            | -22.53               | -                                              | -                        | 172                           | 141                    | V            |
|             | * 11.146               | 25.76                              | ADR  | 38.1                     | -24                            | .22             | 40.02                                        | 54                    | -13.98         | -                             | -                    | -                                              | -                        | 172                           | 141                    | V            |

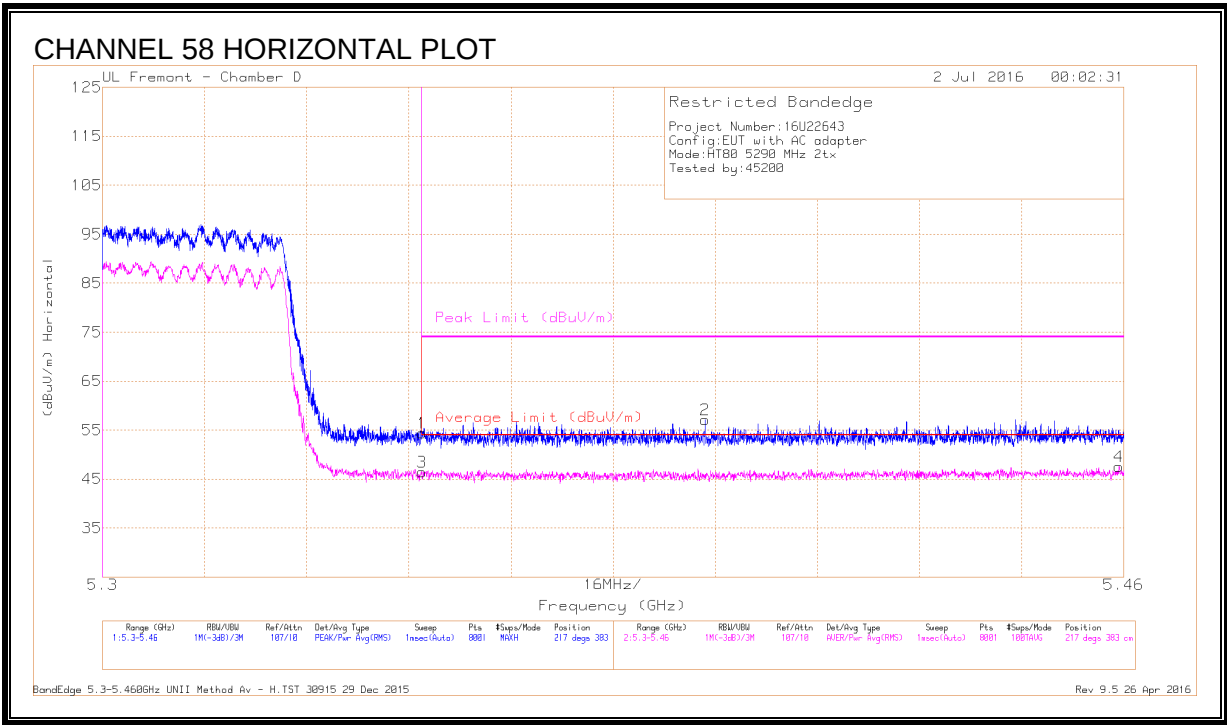
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

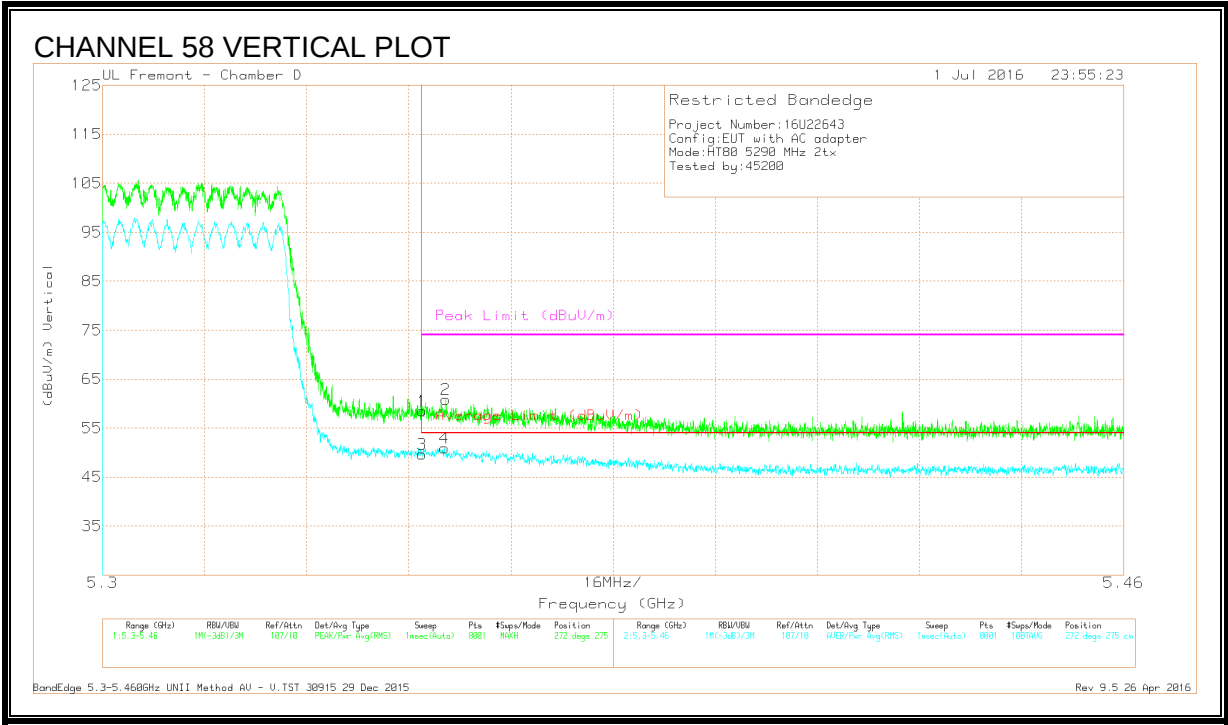
9.23. 802.11ac VHT80 2Tx CDD MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL, CH 58)



DATA

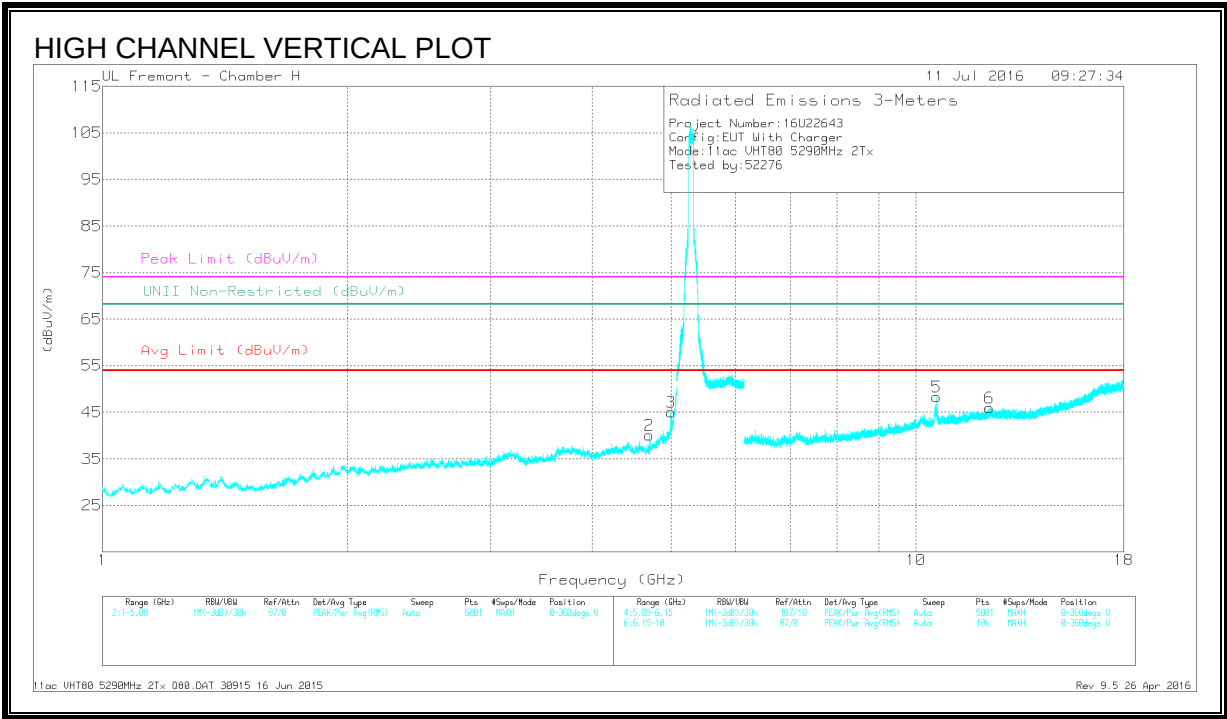
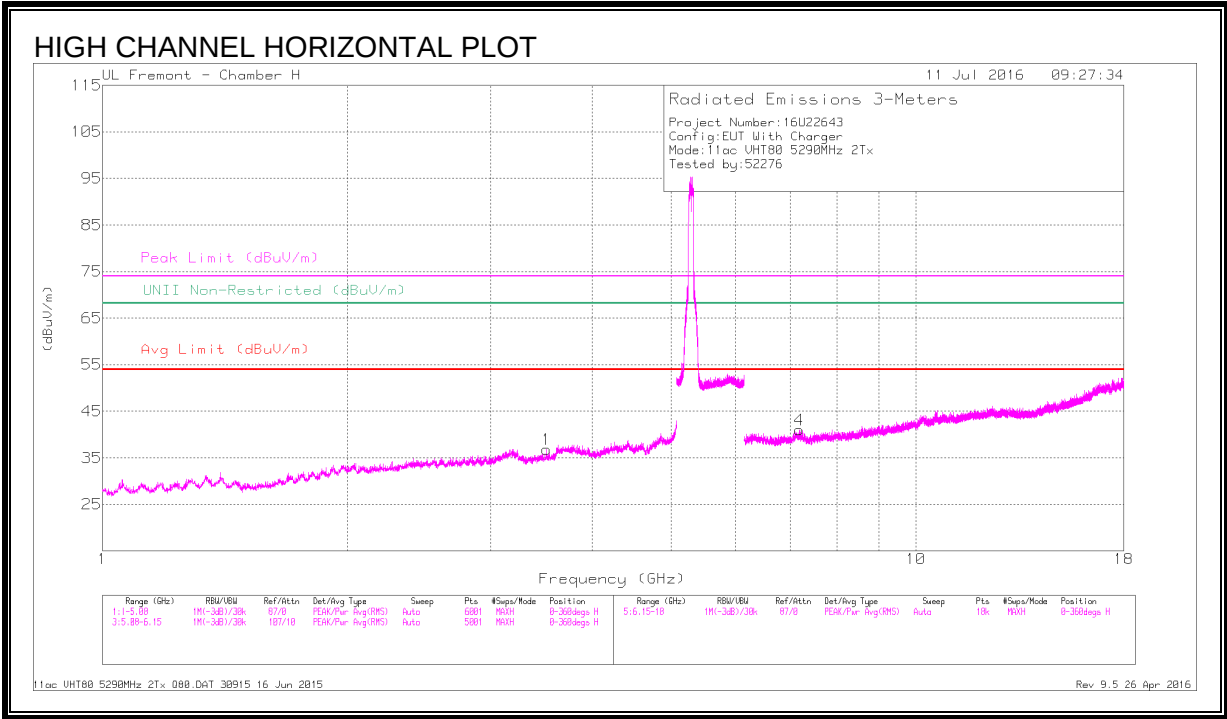
| Mar<br>ker | Freque<br>ncy<br>(GHz) | Meter<br>Readi<br>ng<br>(dBuV<br>) | Det | AF<br>T712<br>(dB/<br>m) | Amp/C<br>bl/Filtr/P<br>ad (dB) | DC<br>Corr<br>(dB) | Correct<br>ed<br>Readin<br>g<br>(dBuV/<br>m) | Average<br>Limit<br>(dBuV/m) | Margi<br>n<br>(dB) | Peak<br>Limit<br>(dBuV/<br>m) | PK<br>Margin<br>(dB) | Azi<br>mut<br>h<br>(De<br>gs) | Hei<br>ght<br>(c<br>m) | Pol<br>arit<br>y |
|------------|------------------------|------------------------------------|-----|--------------------------|--------------------------------|--------------------|----------------------------------------------|------------------------------|--------------------|-------------------------------|----------------------|-------------------------------|------------------------|------------------|
| 1          | * 5.35                 | 38.31                              | Pk  | 34.3                     | -18.2                          | 0                  | 54.41                                        | -                            | -                  | 74                            | -19.59               | 217                           | 383                    | H                |
| 3          | * 5.35                 | 30.13                              | RMS | 34.3                     | -18.2                          | .21                | 46.44                                        | 54                           | -7.56              | -                             | -                    | 217                           | 383                    | H                |
| 2          | * 5.394                | 40.95                              | Pk  | 34.4                     | -18.2                          | 0                  | 57.15                                        | -                            | -                  | 74                            | -16.85               | 217                           | 383                    | H                |
| 4          | * 5.459                | 30.79                              | RMS | 34.4                     | -17.8                          | .21                | 47.6                                         | 54                           | -6.4               | -                             | -                    | 217                           | 383                    | H                |



DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | 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          | 42.37                | Pk  | 34.3           | -18.2                  | 0            | 58.47                      | -                      | -           | 74                  | -15.53         | 272            | 275         | V        |
| 3      | * 5.35          | 33.33                | RMS | 34.3           | -18.2                  | .21          | 49.64                      | 54                     | -4.36       | -                   | -              | 272            | 275         | V        |
| 2      | * 5.354         | 44.78                | Pk  | 34.3           | -18.2                  | 0            | 60.88                      | -                      | -           | 74                  | -13.12         | 272            | 275         | V        |
| 4      | * 5.354         | 34.55                | RMS | 34.3           | -18.2                  | .21          | 50.86                      | 54                     | -3.14       | -                   | -              | 272            | 275         | V        |

HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS



# DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (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      | * 3.515         | 38.33                | PK-U | 33             | -28.6                  | 0            | 42.73                      | -                  | -           | 74                  | -31.27         | -                            | -              | 0              | 100         | H        |
|        | * 3.514         | 27.84                | ADR  | 33             | -28.6                  | .21          | 32.45                      | 54                 | -21.55      | -                   | -              | -                            | -              | 0              | 100         | H        |
| 2      | * 4.702         | 40.72                | PK-U | 34             | -27.9                  | 0            | 46.82                      | -                  | -           | 74                  | -27.18         | -                            | -              | 23             | 287         | V        |
|        | * 4.702         | 33.52                | ADR  | 34             | -27.9                  | .21          | 39.63                      | 54                 | -14.37      | -                   | -              | -                            | -              | 23             | 287         | V        |
| 3      | * 4.996         | 41.86                | PK-U | 34             | -26.6                  | 0            | 49.26                      | -                  | -           | 74                  | -24.74         | -                            | -              | 23             | 201         | V        |
|        | * 4.996         | 33.87                | ADR  | 34             | -26.6                  | .21          | 41.48                      | 54                 | -12.52      | -                   | -              | -                            | -              | 23             | 201         | V        |
| 5      | * 12.314        | 33.73                | PK-U | 39             | -21.2                  | 0            | 51.53                      | -                  | -           | 74                  | -22.47         | -                            | -              | 133            | 107         | V        |
|        | * 12.315        | 24.18                | ADR  | 39             | -21.2                  | .21          | 42.19                      | 54                 | -11.81      | -                   | -              | -                            | -              | 133            | 107         | V        |
| 4      | 7.189           | 35.73                | PK-U | 35.7           | -23.4                  | 0            | 48.03                      | -                  | -           | -                   | -              | 68.2                         | -20.17         | 23             | 201         | H        |
| 6      | 10.592          | 38.27                | PK-U | 37.8           | -21                    | 0            | 55.07                      | -                  | -           | -                   | -              | 68.2                         | -13.13         | 133            | 107         | V        |

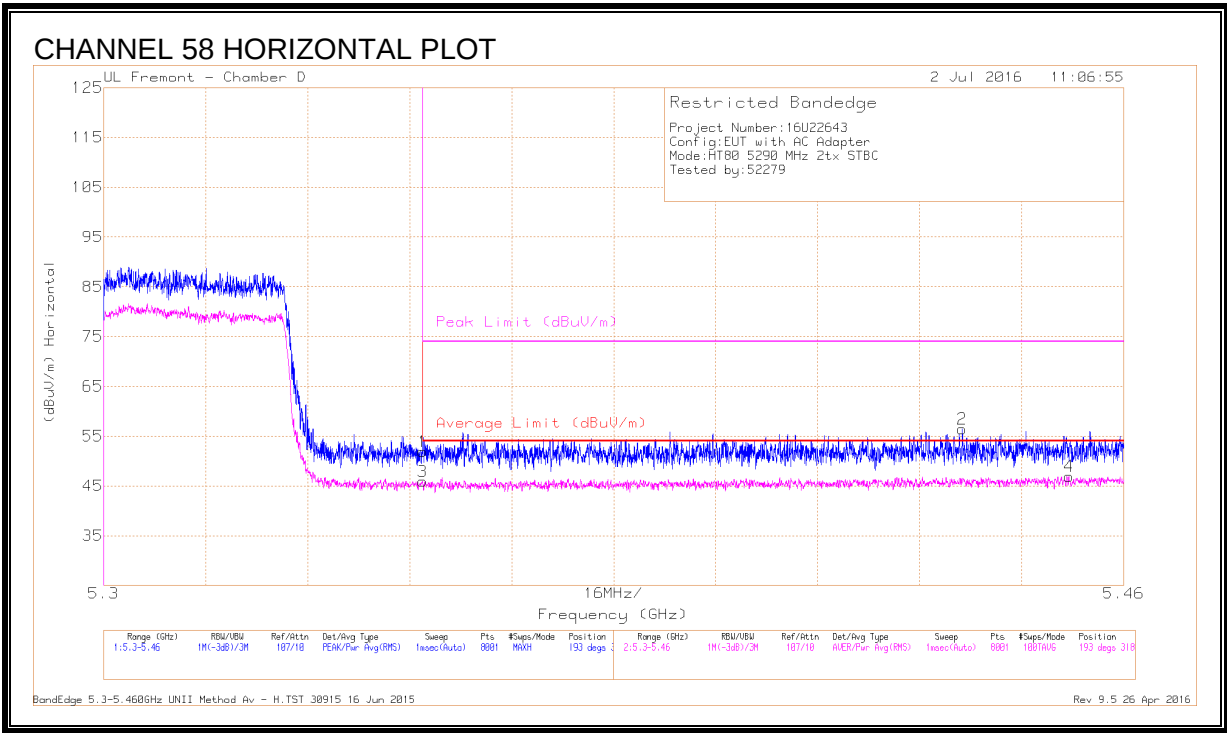
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

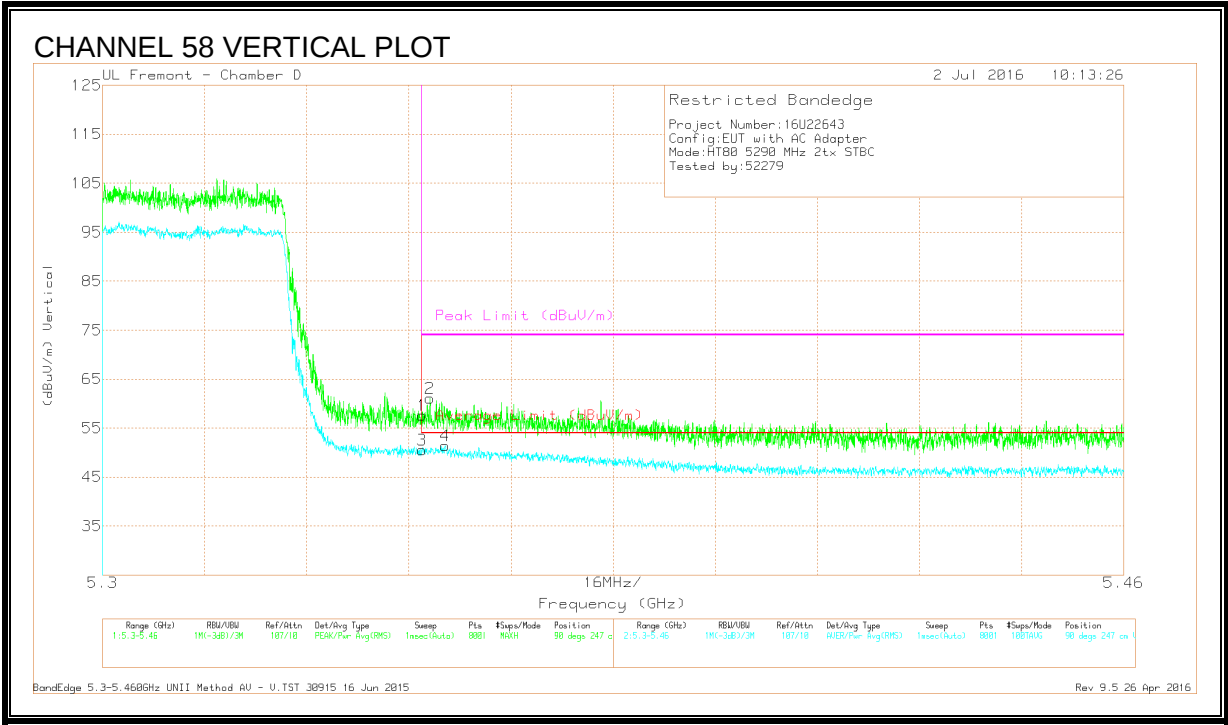
9.24. 802.11ac VHT80 2Tx STBC MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL, CH 58)



DATA

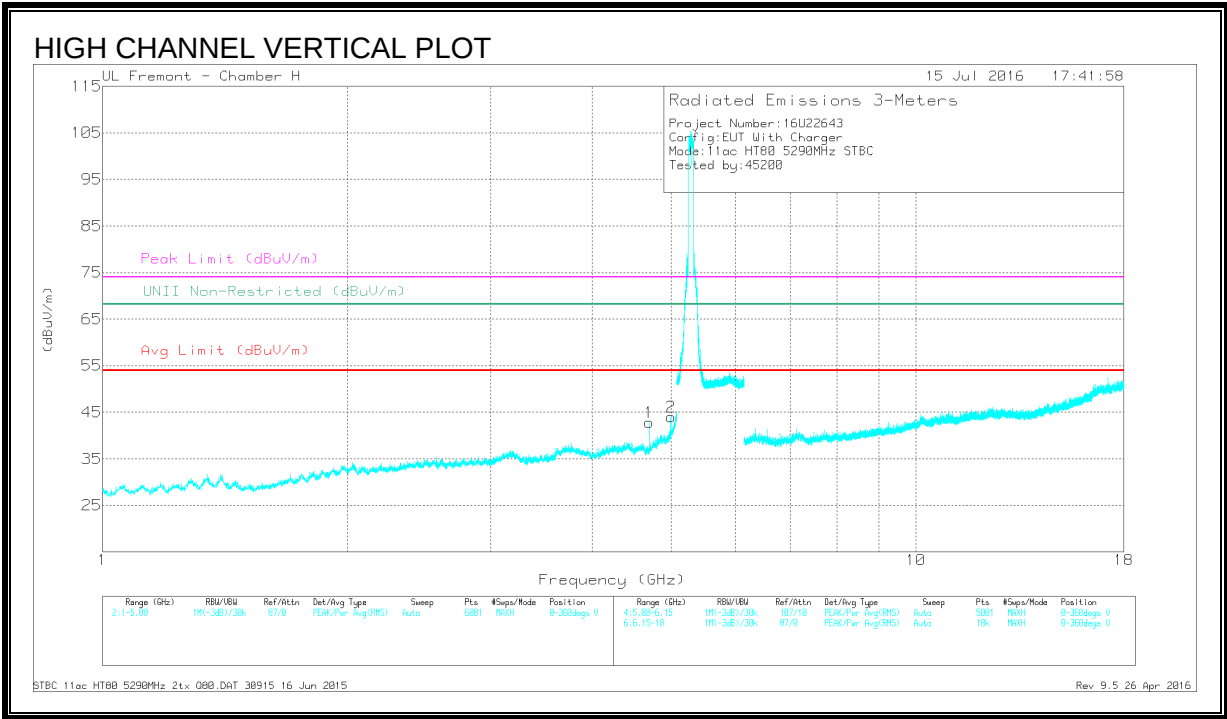
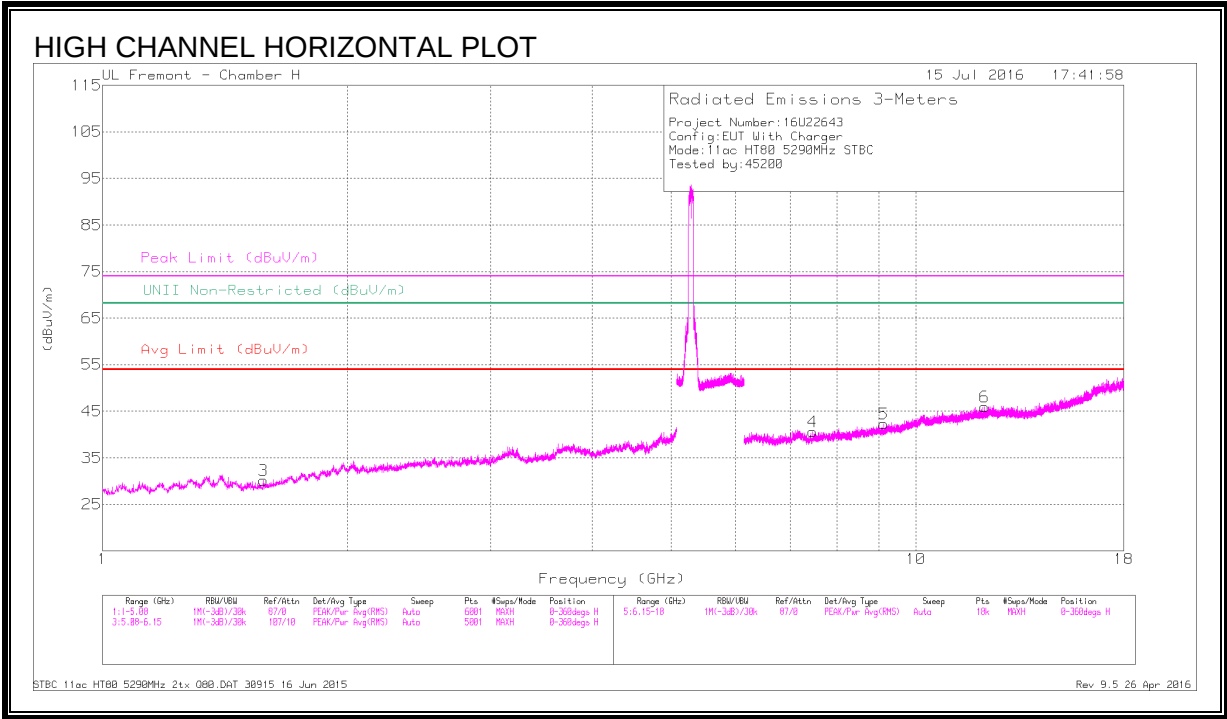
| Mark<br>er | Frequ<br>ncy<br>(GHz) | Mete<br>r<br>Readi<br>ng<br>(dBuV<br>) | Det | AF T712<br>(dB/m) | Amp/Cbl/Flt<br>r/Pad (dB) | DC<br>Corr<br>(dB) | Correc<br>ted<br>Readin<br>g<br>(dBuV/<br>m) | Average<br>Limit<br>(dBuV/m) | Marg<br>in<br>(dB) | Peak Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimu<br>th<br>(Degs<br>) | Heig<br>ht<br>(cm) | Polar<br>ity |
|------------|-----------------------|----------------------------------------|-----|-------------------|---------------------------|--------------------|----------------------------------------------|------------------------------|--------------------|------------------------|----------------------|---------------------------|--------------------|--------------|
| 1          | * 5.35                | 35.8                                   | Pk  | 34.3              | -18.2                     | 0                  | 51.9                                         | -                            | -                  | 74                     | -22.1                | 193                       | 318                | H            |
| 3          | * 5.35                | 29.82                                  | RMS | 34.3              | -18.2                     | .21                | 46.03                                        | 54                           | -7.97              | -                      | -                    | 193                       | 318                | H            |
| 2          | * 5.435               | 40.05                                  | Pk  | 34.4              | -18                       | 0                  | 56.45                                        | -                            | -                  | 74                     | -17.55               | 193                       | 318                | H            |
| 4          | * 5.451               | 30.43                                  | RMS | 34.4              | -17.9                     | .21                | 47.04                                        | 54                           | -6.96              | -                      | -                    | 193                       | 318                | H            |



DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/Cbl/Fitter/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          | 41.5                 | Pk  | 34.3           | -18.2                   | 0            | 57.6                       | -                      | -           | 74                  | -16.4          | 90             | 247         | V        |
| 3      | * 5.35          | 34.43                | RMS | 34.3           | -18.2                   | .21          | 50.74                      | 54                     | -3.26       | -                   | -              | 90             | 247         | V        |
| 2      | * 5.351         | 45.05                | Pk  | 34.3           | -18.2                   | 0            | 61.15                      | -                      | -           | 74                  | -12.85         | 90             | 247         | V        |
| 4      | * 5.354         | 35.32                | RMS | 34.3           | -18.2                   | .21          | 51.63                      | 54                     | -2.37       | -                   | -              | 90             | 247         | V        |

HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS



# **DATA**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (dB/m) | Amp/Cb I/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 (Degrees) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|-------------------|-------------|----------|
| 3      | * 1.577         | 40.53                | PK-U | 28             | -31.7                   | 0            | 36.83                      | -                  | -           | 74                  | -37.17         | -                            | -              | 270               | 153         | H        |
|        | * 1.577         | 29.15                | ADR  | 28             | -31.7                   | .21          | 25.66                      | 54                 | -28.34      | -                   | -              | -                            | -              | 270               | 153         | H        |
| 1      | * 4.703         | 40.84                | PK-U | 34             | -27.9                   | 0            | 46.94                      | -                  | -           | 74                  | -27.06         | -                            | -              | 286               | 295         | V        |
|        | * 4.702         | 34.08                | ADR  | 34             | -27.9                   | .21          | 40.39                      | 54                 | -13.61      | -                   | -              | -                            | -              | 286               | 295         | V        |
| 2      | * 4.996         | 41.94                | PK-U | 34             | -26.6                   | 0            | 49.34                      | -                  | -           | 74                  | -24.66         | -                            | -              | 278               | 226         | V        |
|        | * 4.996         | 33.09                | ADR  | 34             | -26.6                   | .21          | 40.7                       | 54                 | -13.3       | -                   | -              | -                            | -              | 278               | 226         | V        |
| 4      | * 7.47          | 35.37                | PK-U | 35.7           | -24.3                   | 0            | 46.77                      | -                  | -           | 74                  | -27.23         | -                            | -              | 221               | 348         | H        |
|        | * 7.47          | 24.62                | ADR  | 35.7           | -24.3                   | .21          | 36.23                      | 54                 | -17.77      | -                   | -              | -                            | -              | 221               | 348         | H        |
| 5      | * 9.127         | 34.42                | PK-U | 36.2           | -22.8                   | 0            | 47.82                      | -                  | -           | 74                  | -26.18         | -                            | -              | 349               | 342         | H        |
|        | * 9.128         | 23.94                | ADR  | 36.2           | -22.8                   | .21          | 37.55                      | 54                 | -16.45      | -                   | -              | -                            | -              | 349               | 342         | H        |
| 6      | * 12.149        | 33.69                | PK-U | 39             | -21.1                   | 0            | 51.59                      | -                  | -           | 74                  | -22.41         | -                            | -              | 291               | 316         | H        |
|        | * 12.148        | 23.21                | ADR  | 39             | -21.1                   | .21          | 41.32                      | 54                 | -12.68      | -                   | -              | -                            | -              | 291               | 316         | H        |

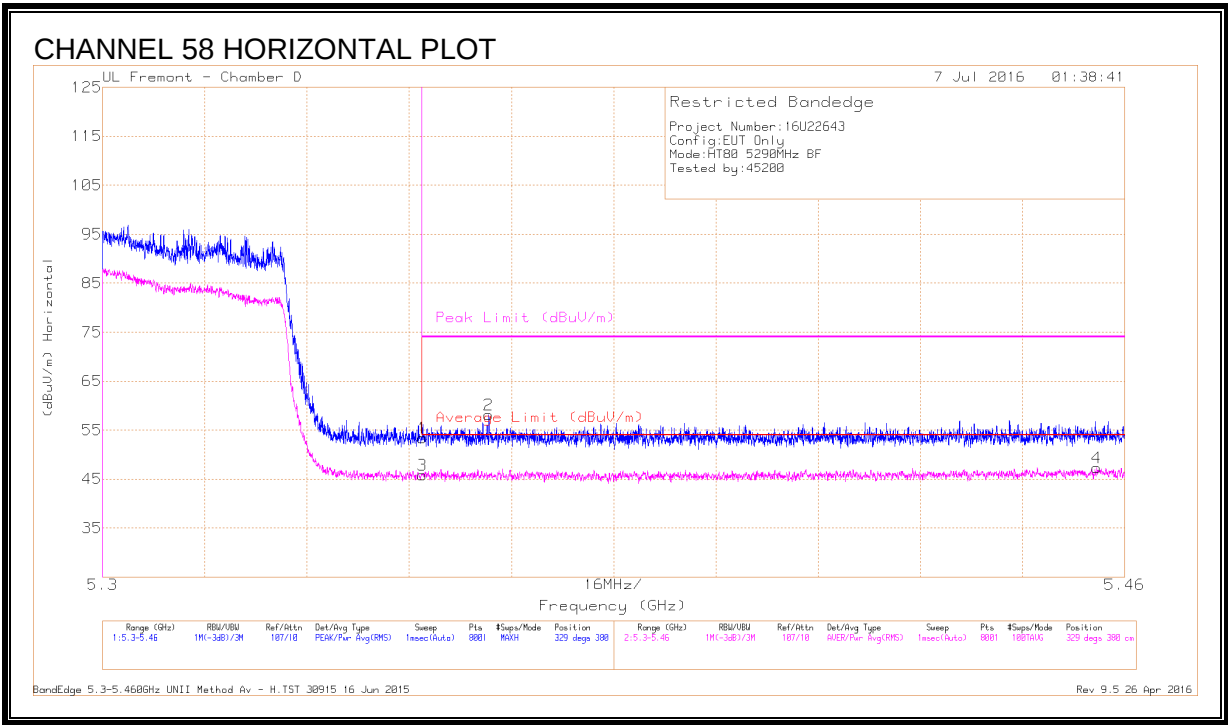
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.25. 802.11ac VHT80 2Tx BEAM FORMING MODE IN THE 5.3 GHz BAND

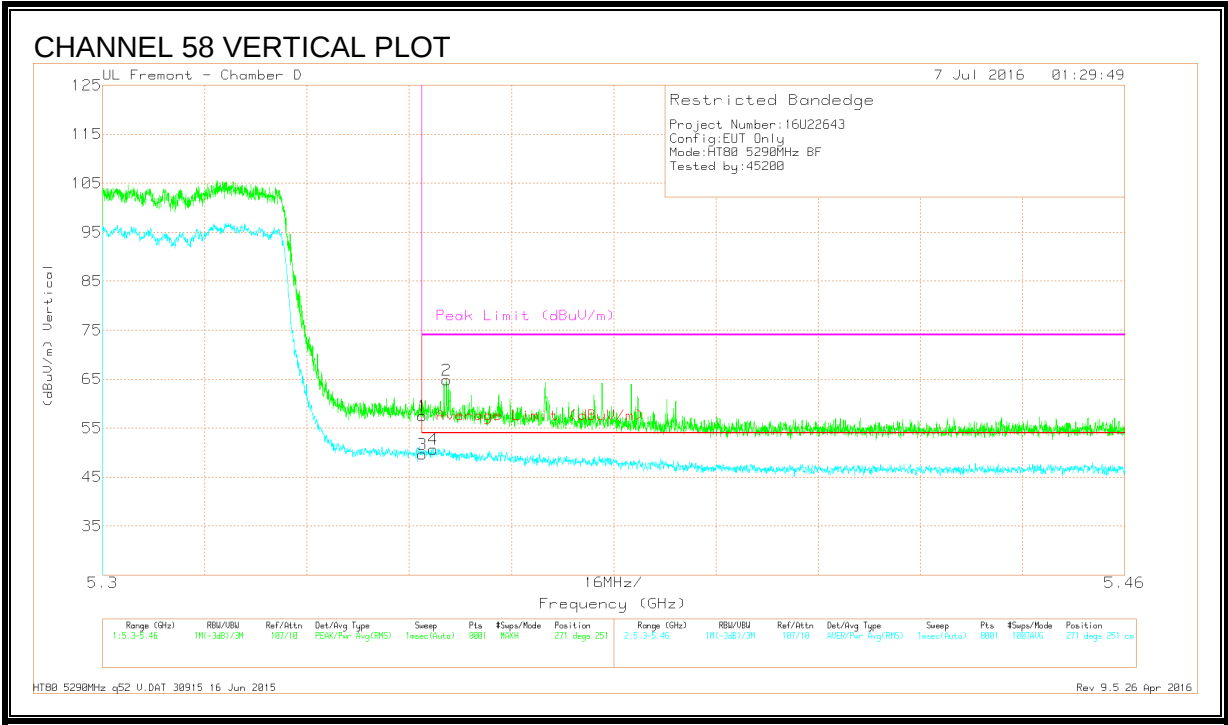
RESTRICTED BANDEDGE (HIGH CHANNEL, CH 58)



DATA

| Mar<br>ker | Frequen<br>cy<br>(GHz) | Mete<br>r<br>Read<br>ing<br>(dBu<br>V) | Det | AF T712<br>(dB/m) | Amp/C<br>bl/Filtr/<br>Pad<br>(dB) | DC Corr<br>(dB) | Correct<br>ed<br>Reading<br>(dBuV/<br>m) | Average<br>Limit<br>(dBuV/m<br>) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV<br>/m) | PK<br>Margin<br>(dB) | Azi<br>mut<br>h<br>(Deg<br>s) | Hei<br>ght<br>(cm<br>) | Pola<br>rity |
|------------|------------------------|----------------------------------------|-----|-------------------|-----------------------------------|-----------------|------------------------------------------|----------------------------------|----------------|-------------------------------|----------------------|-------------------------------|------------------------|--------------|
| 1          | * 5.35                 | 37.33                                  | Pk  | 34.3              | -18.2                             | 0               | 53.43                                    | -                                | -              | 74                            | -20.57               | 329                           | 380                    | H            |
| 2          | * 5.36                 | 41.91                                  | Pk  | 34.4              | -18.2                             | 0               | 58.11                                    | -                                | -              | 74                            | -15.89               | 329                           | 380                    | H            |
| 3          | * 5.35                 | 29.52                                  | RMS | 34.3              | -18.2                             | .33             | 45.95                                    | 54                               | -8.05          | -                             | -                    | 329                           | 380                    | H            |
| 4          | * 5.456                | 30.67                                  | RMS | 34.4              | -17.9                             | .33             | 47.50                                    | 54                               | -6.5           | -                             | -                    | 329                           | 380                    | H            |

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



DATA

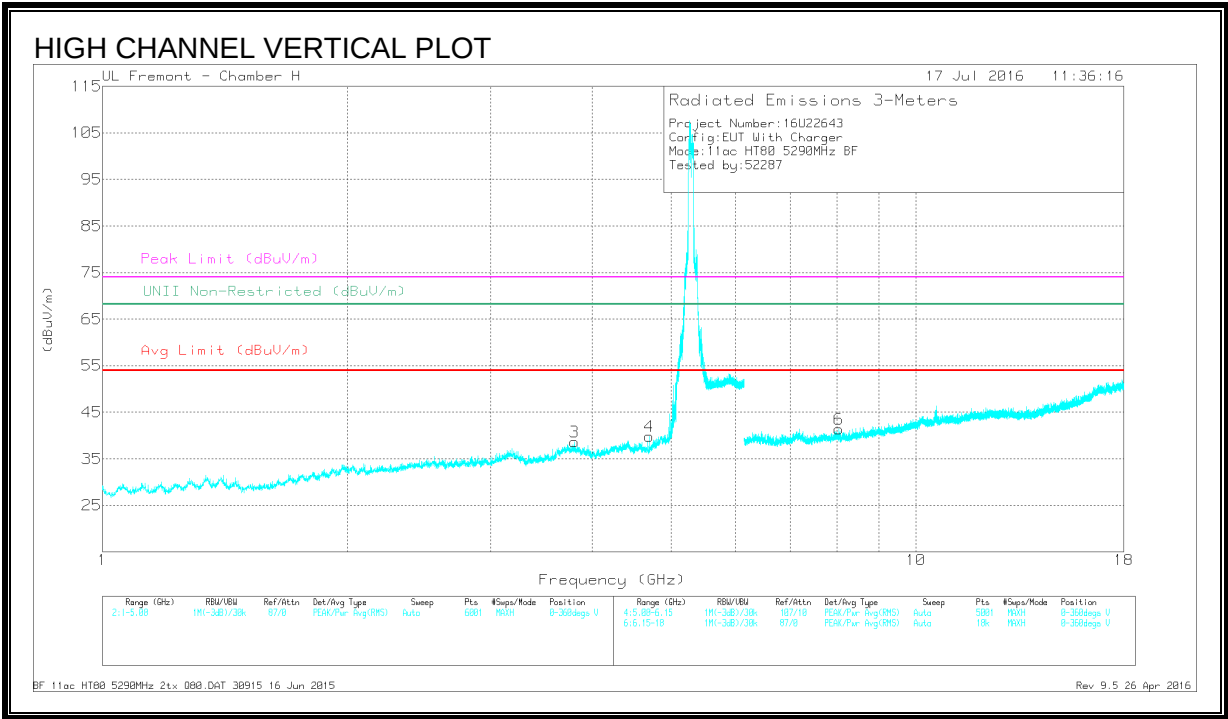
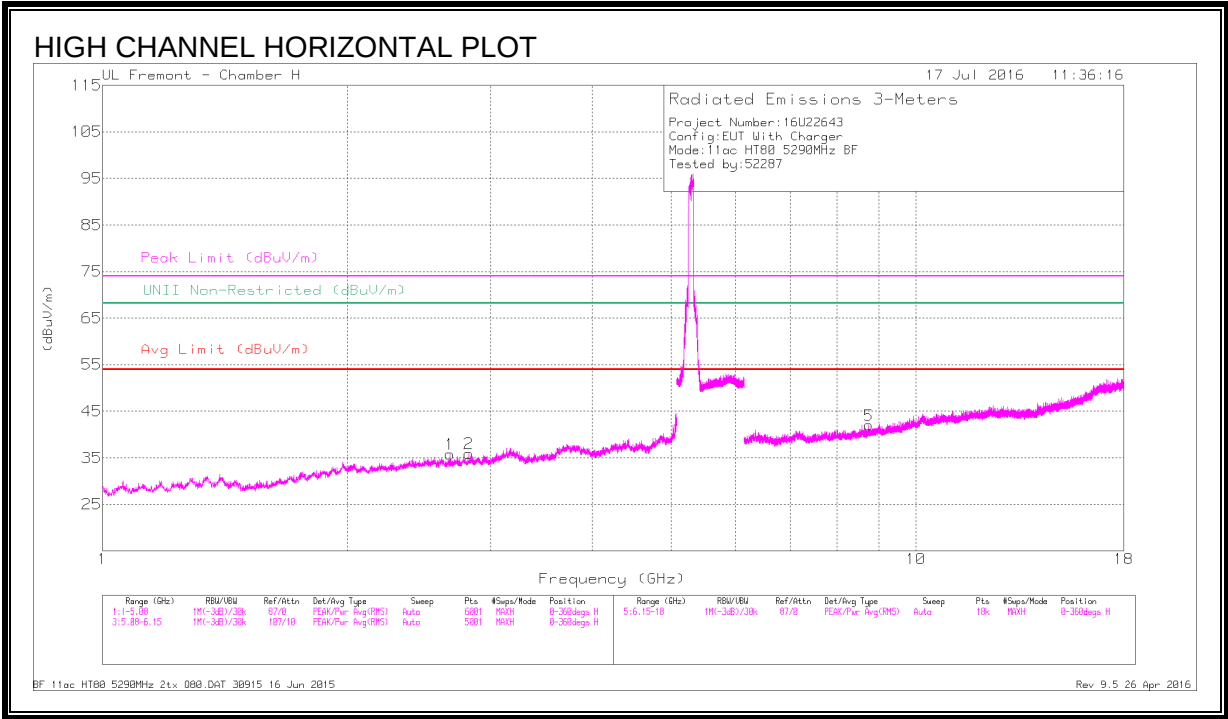
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/Cbl /Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.35          | 41.38                | Pk  | 34.3           | -18.2                   | 0            | 57.48                      | -                      | -           | 74                  | -16.52         | 271            | 251         | V        |
| 2      | * 5.354         | 48.67                | Pk  | 34.3           | -18.2                   | 0            | 64.77                      | -                      | -           | 74                  | -9.23          | 271            | 251         | V        |
| 3      | * 5.35          | 33.54                | RMS | 34.3           | -18.2                   | .33          | 49.97                      | 54                     | -4.03       | -                   | -              | 271            | 251         | V        |
| 4      | * 5.352         | 34.55                | RMS | 34.3           | -18.2                   | .33          | 50.98                      | 54                     | -3.02       | -                   | -              | 271            | 251         | V        |

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

Pk - Peak detector

RMS - RMS detection

HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS



## DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (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 (Degrees) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|-------------------|-------------|----------|
| 1      | * 2.674         | 39.37                | PK-U | 32.3           | -30.3                  | 0            | 41.37                      | -                  | -           | 74                  | -32.63         | -                            | -              | 153               | 118         | H        |
|        | * 2.674         | 28.35                | ADR  | 32.3           | -30.3                  | .33          | 30.53                      | 54                 | -23.47      | -                   | -              | -                            | -              | 153               | 118         | H        |
| 2      | * 2.821         | 38.81                | PK-U | 32.3           | -29.3                  | 0            | 41.81                      | -                  | -           | 74                  | -32.19         | -                            | -              | 329               | 242         | H        |
|        | * 2.823         | 27.68                | ADR  | 32.3           | -29.2                  | .33          | 30.96                      | 54                 | -23.04      | -                   | -              | -                            | -              | 329               | 242         | H        |
| 3      | * 3.801         | 37.57                | PK-U | 33.6           | -28.4                  | 0            | 42.77                      | -                  | -           | 74                  | -31.23         | -                            | -              | 346               | 145         | V        |
|        | * 3.801         | 27.41                | ADR  | 33.6           | -28.4                  | .33          | 32.79                      | 54                 | -21.21      | -                   | -              | -                            | -              | 346               | 145         | V        |
| 4      | * 4.702         | 40.65                | PK-U | 34             | -27.9                  | 0            | 46.75                      | -                  | -           | 74                  | -27.25         | -                            | -              | 283               | 232         | V        |
|        | * 4.702         | 29.83                | ADR  | 34             | -27.9                  | .33          | 36.11                      | 54                 | -17.89      | -                   | -              | -                            | -              | 283               | 232         | V        |
| 6      | * 8.034         | 34.76                | PK-U | 35.8           | -24.1                  | 0            | 46.46                      | -                  | -           | 74                  | -27.54         | -                            | -              | 177               | 152         | V        |
|        | * 8.035         | 24.5                 | ADR  | 35.8           | -24.2                  | .33          | 36.28                      | 54                 | -17.72      | -                   | -              | -                            | -              | 177               | 152         | V        |
| 5      | 8.749           | 23.63                | ADR  | 36             | -22.6                  | .33          | 37.21                      | -                  | -           | -                   | -              | -                            | -              | 30                | 130         | H        |
|        | 8.751           | 34.38                | PK-U | 36             | -22.6                  | 0            | 47.78                      | -                  | -           | -                   | -              | 68.2                         | -20.42         | 30                | 130         | H        |

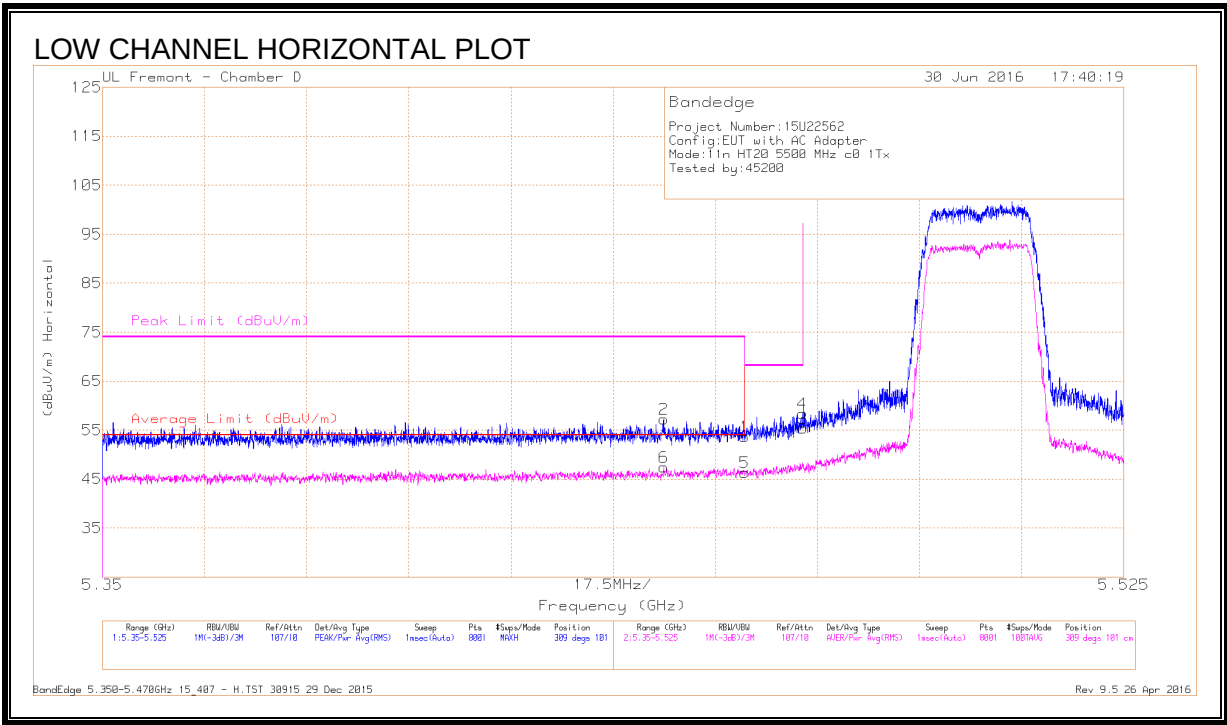
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

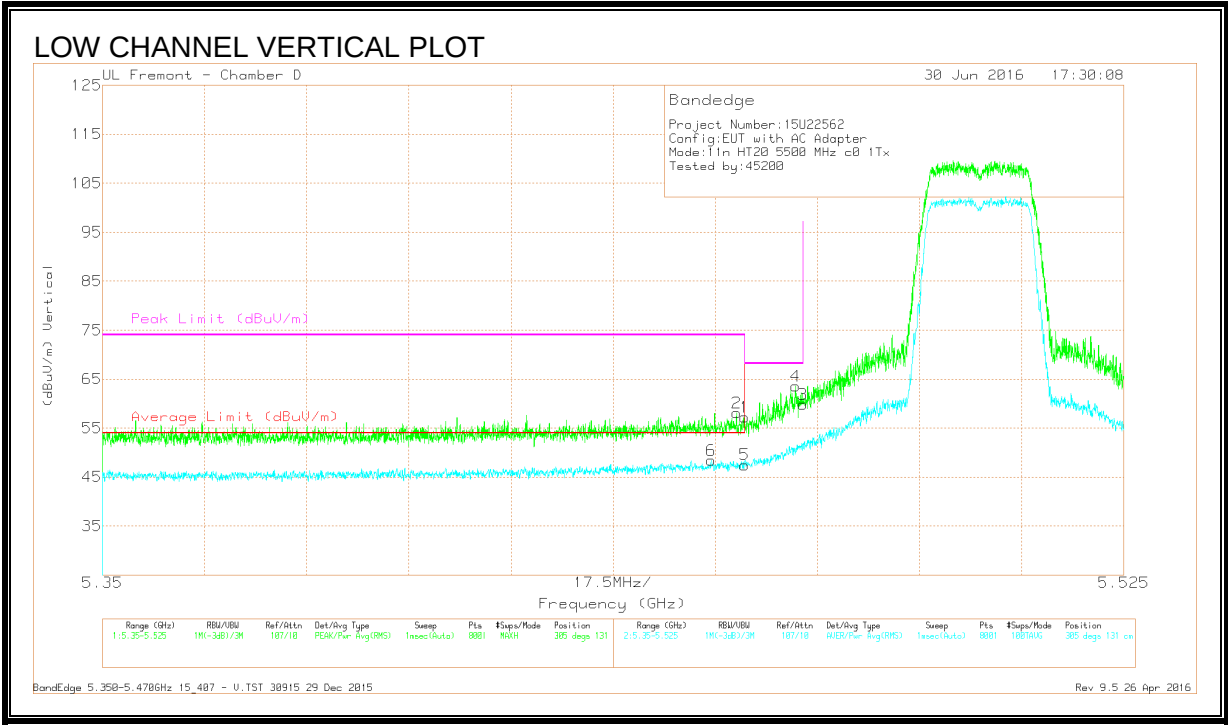
9.26. 802.11n HT20 1Tx MODE IN THE 5.6 GHz BAND

RESTRICTED BANDEDGE, CHAIN 0 (LOW CHANNEL)



DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/Cbl/Ftr/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      | * 5.446         | 40.76                | Pk  | 34.4           | -17.9                | 57.26                      | -                      | -           | 74                  | -16.74         | 309            | 101         | H        |
| 6      | * 5.446         | 30.98                | RMS | 34.4           | -17.9                | 47.48                      | 54                     | -6.52       | -                   | -              | 309            | 101         | H        |
| 1      | * 5.46          | 37                   | Pk  | 34.4           | -17.8                | 53.6                       | -                      | -           | 74                  | -20.4          | 309            | 101         | H        |
| 5      | * 5.46          | 29.7                 | RMS | 34.4           | -17.8                | 46.3                       | 54                     | -7.7        | -                   | -              | 309            | 101         | H        |
| 3      | 5.47            | 38.75                | Pk  | 34.4           | -17.8                | 55.35                      | -                      | -           | 68.2                | -12.85         | 309            | 101         | H        |
| 4      | 5.47            | 41.73                | Pk  | 34.4           | -17.8                | 58.33                      | -                      | -           | 68.2                | -9.87          | 309            | 101         | H        |



DATA

| Mark<br>er | Frequ<br>ncy<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det | AF T712<br>(dB/m) | Amp/Cbl/Fit<br>r/Pad (dB) | Correc<br>ted<br>Readin<br>g<br>(dBuV/<br>m) | Average<br>Limit<br>(dBuV/m) | Marg<br>in<br>(dB) | Peak Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimu<br>th<br>(Degs<br>) | Heig<br>ht<br>(cm) | Polar<br>ity |
|------------|-----------------------|----------------------------|-----|-------------------|---------------------------|----------------------------------------------|------------------------------|--------------------|------------------------|----------------------|---------------------------|--------------------|--------------|
| 6          | * 5.454               | 31.95                      | RMS | 34.4              | -17.9                     | 48.45                                        | 54                           | -5.55              | -                      | -                    | 305                       | 131                | V            |
| 2          | * 5.459               | 41.5                       | Pk  | 34.4              | -17.8                     | 58.1                                         | -                            | -                  | 74                     | -15.9                | 305                       | 131                | V            |
| 1          | * 5.46                | 40.59                      | Pk  | 34.4              | -17.8                     | 57.19                                        | -                            | -                  | 74                     | -16.81               | 305                       | 131                | V            |
| 5          | * 5.46                | 30.9                       | RMS | 34.4              | -17.8                     | 47.5                                         | 54                           | -6.5               | -                      | -                    | 305                       | 131                | V            |
| 4          | 5.469                 | 46.99                      | Pk  | 34.4              | -17.8                     | 63.59                                        | -                            | -                  | 68.2                   | -4.61                | 305                       | 131                | V            |
| 3          | 5.47                  | 43.24                      | Pk  | 34.4              | -17.8                     | 59.84                                        | -                            | -                  | 68.2                   | -8.36                | 305                       | 131                | V            |