

## LOW CHANNEL DATA

### TRACE MARKERS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 1.056         | 37.04                | PK  | 27.3           | -33.1                | 0            | 31.24                      | -                  | -           | 74                  | -42.76         | -                            | -              | 0-360          | 100         | V        |
| 2      | * 1.095         | 38.85                | PK  | 27.3           | -33                  | 0            | 33.15                      | -                  | -           | 74                  | -40.85         | -                            | -              | 0-360          | 100         | V        |
| 3      | * 1.599         | 39.09                | PK  | 28             | -32.7                | 0            | 34.39                      | -                  | -           | 74                  | -39.61         | -                            | -              | 0-360          | 100         | V        |
| 4      | * 2.335         | 34.57                | PK  | 31.8           | -32                  | 0            | 34.37                      | -                  | -           | 74                  | -39.63         | -                            | -              | 0-360          | 100         | V        |
| 5      | * 3.667         | 36.12                | PK  | 32.9           | -29.7                | 0            | 39.32                      | -                  | -           | 74                  | -34.68         | -                            | -              | 0-360          | 200         | V        |
| 6      | * 11.998        | 27.64                | PK  | 39.1           | -23.4                | 0            | 43.34                      | -                  | -           | 74                  | -30.66         | -                            | -              | 0-360          | 100         | H        |
| 7      | 16.496          | 29.63                | PK  | 40.9           | -24.4                | 0            | 46.13                      | -                  | -           | -                   | -              | 68.2                         | -22.07         | 0-360          | 100         | V        |

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

PK - Peak detector

### RADIATED EMISSIONS

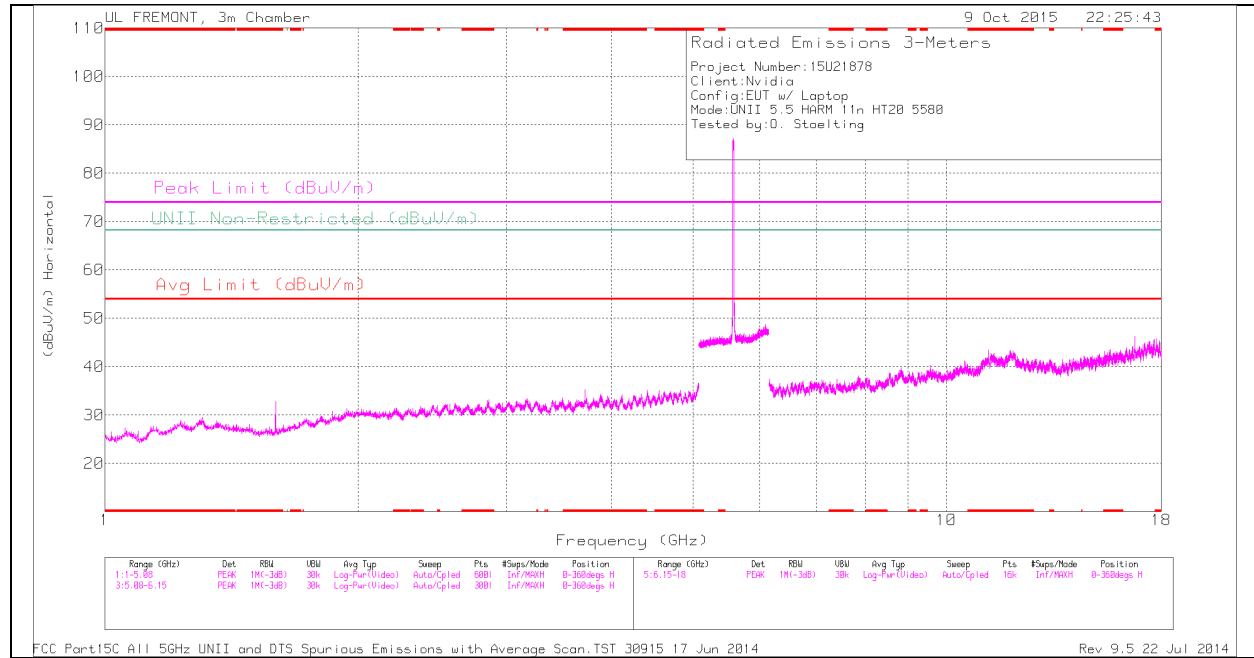
| Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|----------------|----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| * 1.056         | 44.39                | PK1 | 27.3           | -33.1                | 0            | 38.59                      | -                  | -           | 74                  | -35.41         | -                            | -              | 327            | 297         | V        |
| * 1.056         | 36.77                | AD1 | 27.3           | -33.1                | .6           | 31.57                      | 54                 | -22.43      | -                   | -              | -                            | -              | 327            | 297         | V        |
| * 1.094         | 45.1                 | PK1 | 27.3           | -33                  | 0            | 39.4                       | -                  | -           | 74                  | -34.6          | -                            | -              | 331            | 331         | V        |
| * 1.094         | 38.73                | AD1 | 27.3           | -33                  | .6           | 33.63                      | 54                 | -20.37      | -                   | -              | -                            | -              | 331            | 331         | V        |
| * 1.599         | 54.18                | PK1 | 28             | -32.7                | 0            | 49.48                      | -                  | -           | 74                  | -24.52         | -                            | -              | 280            | 110         | V        |
| * 1.599         | 31.69                | AD1 | 28             | -32.7                | .6           | 27.59                      | 54                 | -26.41      | -                   | -              | -                            | -              | 280            | 110         | V        |
| * 2.335         | 43.34                | PK1 | 31.8           | -32                  | 0            | 43.14                      | -                  | -           | 74                  | -30.86         | -                            | -              | 356            | 101         | V        |
| * 2.335         | 33.84                | AD1 | 31.8           | -32                  | .6           | 34.24                      | 54                 | -19.76      | -                   | -              | -                            | -              | 356            | 101         | V        |
| * 3.667         | 42.39                | PK1 | 32.9           | -29.7                | 0            | 45.59                      | -                  | -           | 74                  | -28.41         | -                            | -              | 10             | 252         | V        |
| * 3.667         | 33.66                | AD1 | 32.9           | -29.7                | .6           | 37.46                      | 54                 | -16.54      | -                   | -              | -                            | -              | 10             | 252         | V        |
| * 11.999        | 36.22                | PK1 | 39.1           | -23.4                | 0            | 51.92                      | -                  | -           | 74                  | -22.08         | -                            | -              | 247            | 213         | H        |
| * 12            | 24.38                | AD1 | 39.1           | -23.4                | .6           | 40.68                      | 54                 | -13.32      | -                   | -              | -                            | -              | 247            | 213         | H        |
| 16.497          | 43.47                | PK1 | 40.9           | -24.4                | 0            | 59.97                      | -                  | -           | -                   | -              | 68.2                         | -8.23          | 114            | 346         | V        |
| 16.497          | 29.63                | AD1 | 40.9           | -24.4                | .6           | 46.73                      | -                  | -           | -                   | -              | -                            | -              | 114            | 346         | V        |

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

PK1 - KDB789033 Method: Peak

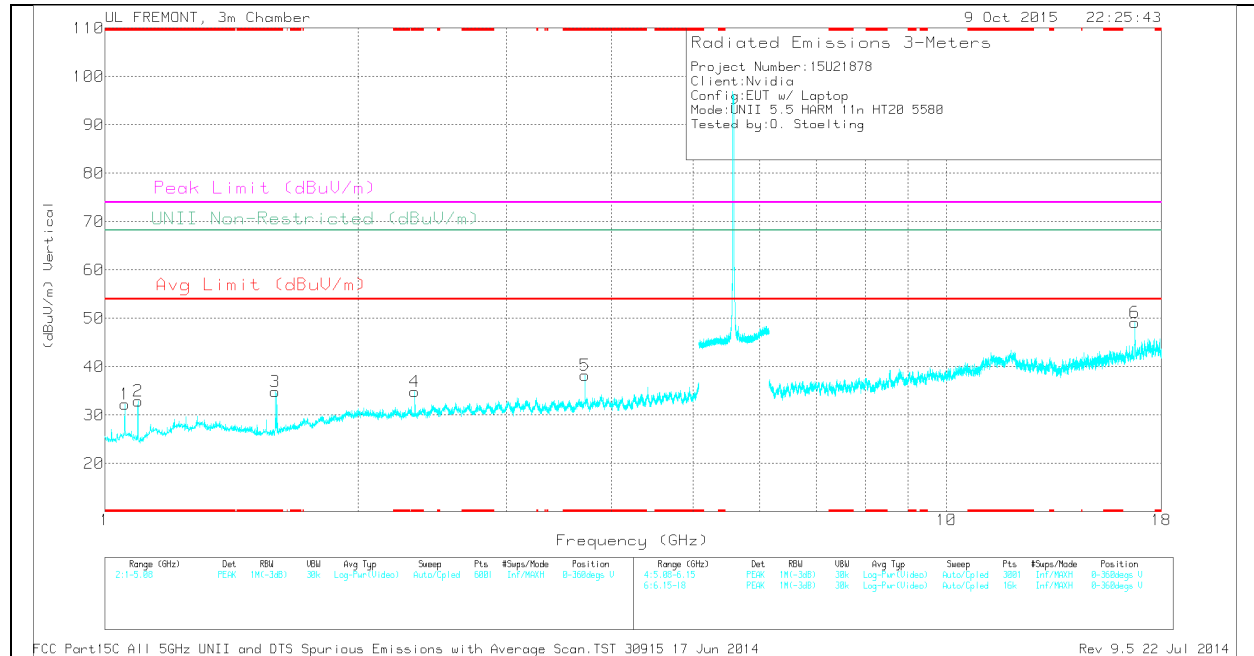
AD1 - KDB789033 Method: AD Primary Power Average

### MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

### MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

## MID CHANNEL DATA

### TRACE MARKERS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 1.056         | 38.03                | PK  | 27.3           | -33.1                | 0            | 32.23                      | -                  | -           | 74                  | -41.77         | -                            | -              | 0-360          | 100         | V        |
| 2      | * 1.095         | 38.61                | PK  | 27.3           | -33                  | 0            | 32.91                      | -                  | -           | 74                  | -41.09         | -                            | -              | 0-360          | 100         | V        |
| 3      | * 1.594         | 39.68                | PK  | 28             | -32.8                | 0            | 34.88                      | -                  | -           | 74                  | -39.12         | -                            | -              | 0-360          | 200         | V        |
| 4      | * 2.335         | 35.01                | PK  | 31.8           | -32                  | 0            | 34.81                      | -                  | -           | 74                  | -39.19         | -                            | -              | 0-360          | 100         | V        |
| 5      | * 3.72          | 35.49                | PK  | 33             | -30.2                | 0            | 38.29                      | -                  | -           | 74                  | -35.71         | -                            | -              | 0-360          | 200         | V        |
| 6      | 16.74           | 32.68                | PK  | 41.2           | -24.7                | 0            | 49.18                      | -                  | -           | -                   | -              | 68.2                         | -19.02         | 0-360          | 100         | V        |

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

PK - Peak detector

### RADIATED EMISSIONS

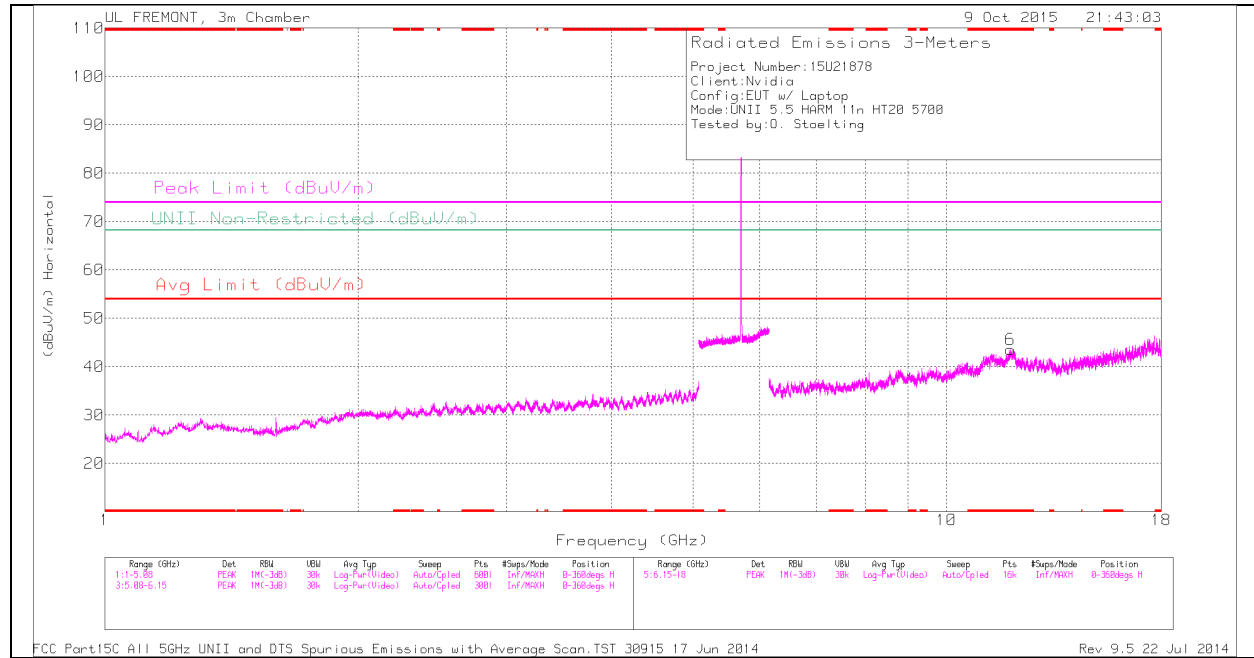
| Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|----------------|----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| * 1.056         | 45.05                | PK1 | 27.3           | -33.1                | 0            | 39.25                      | -                  | -           | 74                  | -34.75         | -                            | -              | 330            | 323         | V        |
| * 1.056         | 36.76                | AD1 | 27.3           | -33.1                | .6           | 31.56                      | 54                 | -22.46      | -                   | -              | -                            | -              | 330            | 323         | V        |
| * 1.095         | 44.98                | PK1 | 27.3           | -33                  | 0            | 39.28                      | -                  | -           | 74                  | -34.72         | -                            | -              | 332            | 260         | V        |
| * 1.094         | 38.68                | AD1 | 27.3           | -33                  | .6           | 33.58                      | 54                 | -20.44      | -                   | -              | -                            | -              | 332            | 260         | V        |
| * 1.594         | 52.05                | PK1 | 28             | -32.7                | 0            | 47.35                      | -                  | -           | 74                  | -26.65         | -                            | -              | 312            | 238         | V        |
| * 1.594         | 32.44                | AD1 | 28             | -32.8                | .6           | 28.24                      | 54                 | -25.78      | -                   | -              | -                            | -              | 312            | 238         | V        |
| * 2.335         | 42.98                | PK1 | 31.8           | -32                  | 0            | 42.78                      | -                  | -           | 74                  | -31.22         | -                            | -              | 358            | 337         | V        |
| * 2.335         | 34.05                | AD1 | 31.8           | -32                  | .6           | 34.45                      | 54                 | -19.57      | -                   | -              | -                            | -              | 358            | 337         | V        |
| * 3.72          | 42.32                | PK1 | 33             | -30.2                | 0            | 45.12                      | -                  | -           | 74                  | -28.88         | -                            | -              | 358            | 197         | V        |
| * 3.72          | 33.48                | AD1 | 33             | -30.2                | .6           | 36.88                      | 54                 | -17.14      | -                   | -              | -                            | -              | 358            | 197         | V        |
| 16.738          | 46.48                | PK1 | 41.2           | -24.8                | 0            | 62.88                      | -                  | -           | -                   | -              | 68.2                         | -5.32          | 114            | 353         | V        |
| 16.74           | 32.91                | AD1 | 41.2           | -24.7                | .6           | 50.01                      | -                  | -           | -                   | -              | -                            | -              | 114            | 353         | V        |

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

PK1 - KDB789033 Method: Peak

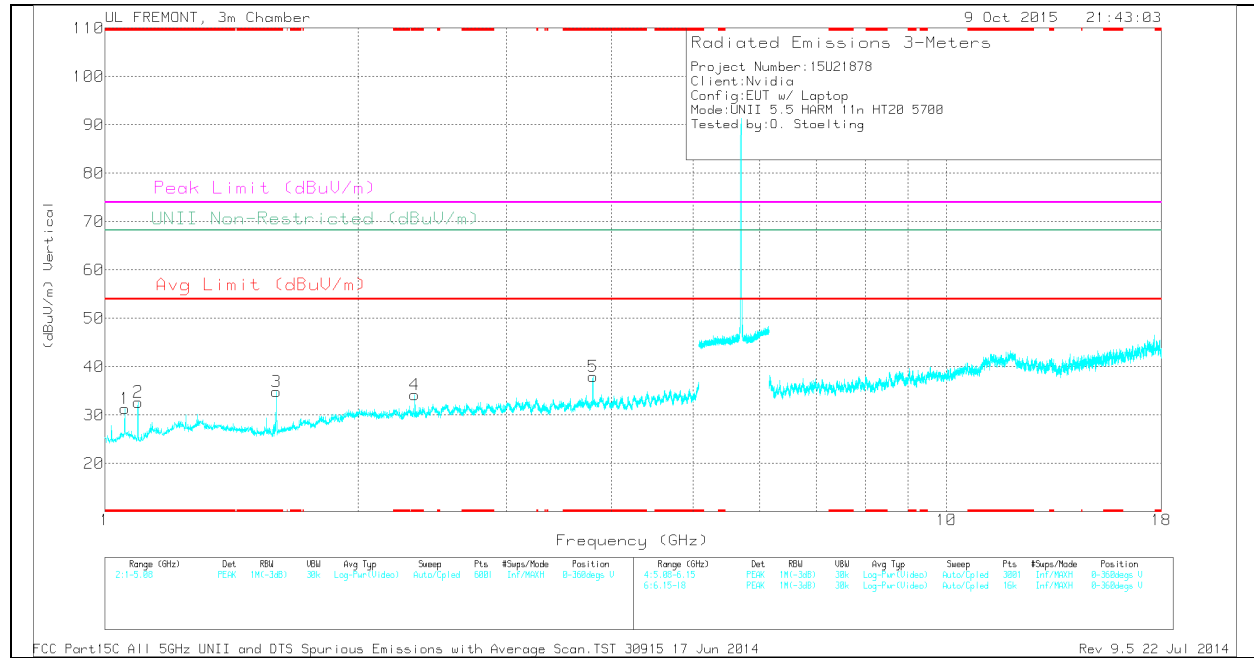
AD1 - KDB789033 Method: AD Primary Power Average

### HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

# HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

## HIGH CHANNEL DATA

### TRACE MARKERS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Chl/Filt/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 1.056         | 37.15                | PK  | 27.3           | -33.1                 | 0            | 31.35                      | -                  | -           | 74                  | -42.65         | -                            | -              | 0-360          | 200         | V        |
| 2      | * 1.095         | 38.41                | PK  | 27.3           | -33                   | 0            | 32.71                      | -                  | -           | 74                  | -41.29         | -                            | -              | 0-360          | 200         | V        |
| 3      | * 1.598         | 39.6                 | PK  | 28             | -32.7                 | 0            | 34.9                       | -                  | -           | 74                  | -39.1          | -                            | -              | 0-360          | 100         | V        |
| 4      | * 2.335         | 34.42                | PK  | 31.8           | -32                   | 0            | 34.22                      | -                  | -           | 74                  | -39.78         | -                            | -              | 0-360          | 200         | V        |
| 5      | * 3.8           | 35.84                | PK  | 33.1           | -31                   | 0            | 37.94                      | -                  | -           | 74                  | -36.06         | -                            | -              | 0-360          | 200         | V        |
| 6      | * 11.921        | 28.02                | PK  | 39.1           | -23.6                 | 0            | 43.52                      | -                  | -           | 74                  | -30.48         | -                            | -              | 0-360          | 100         | H        |

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

PK - Peak detector

### RADIATED EMISSIONS

| Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Chl/Filt/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|----------------|-----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| * 1.056         | 44.89                | PK1 | 27.3           | -33.1                 | 0            | 39.09                      | -                  | -           | 74                  | -34.91         | -                            | -              | 2              | 366         | V        |
| * 1.056         | 37.91                | AD1 | 27.3           | -33.1                 | .6           | 32.71                      | 54                 | -21.29      | -                   | -              | -                            | -              | 2              | 366         | V        |
| * 1.094         | 45.35                | PK1 | 27.3           | -33                   | 0            | 39.65                      | -                  | -           | 74                  | -34.35         | -                            | -              | 332            | 353         | V        |
| * 1.094         | 38.71                | AD1 | 27.3           | -33                   | .6           | 33.61                      | 54                 | -20.39      | -                   | -              | -                            | -              | 332            | 353         | V        |
| * 1.6           | 52.61                | PK1 | 28             | -32.7                 | 0            | 47.91                      | -                  | -           | 74                  | -26.09         | -                            | -              | 266            | 157         | V        |
| * 1.599         | 30.69                | AD1 | 28             | -32.7                 | .6           | 26.59                      | 54                 | -27.41      | -                   | -              | -                            | -              | 266            | 157         | V        |
| * 2.335         | 43.26                | PK1 | 31.8           | -32                   | 0            | 43.06                      | -                  | -           | 74                  | -30.94         | -                            | -              | 360            | 309         | V        |
| * 2.335         | 33.83                | AD1 | 31.8           | -32                   | .6           | 34.23                      | 54                 | -19.77      | -                   | -              | -                            | -              | 360            | 309         | V        |
| * 3.8           | 43.23                | PK1 | 33.1           | -31                   | 0            | 45.33                      | -                  | -           | 74                  | -28.67         | -                            | -              | 325            | 185         | V        |
| * 3.8           | 35.38                | AD1 | 33.1           | -31                   | .6           | 38.08                      | 54                 | -15.92      | -                   | -              | -                            | -              | 325            | 185         | V        |
| * 11.923        | 37.32                | PK1 | 39.1           | -23.6                 | 0            | 52.82                      | -                  | -           | 74                  | -21.18         | -                            | -              | 349            | 358         | H        |
| * 11.921        | 25.11                | AD1 | 39.1           | -23.6                 | .6           | 41.21                      | 54                 | -12.79      | -                   | -              | -                            | -              | 349            | 358         | H        |

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

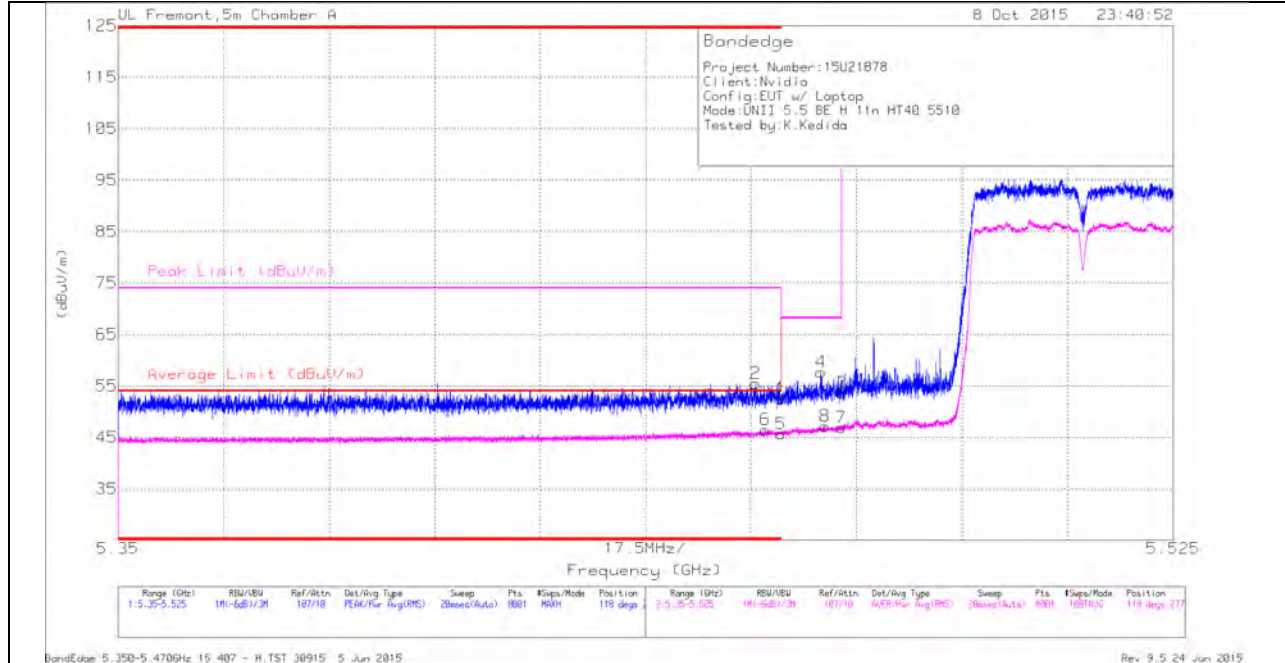
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

### 10.3.4. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.5 GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL)

##### HORIZONTAL PEAK AND AVERAGE PLOT



##### HORIZONTAL DATA

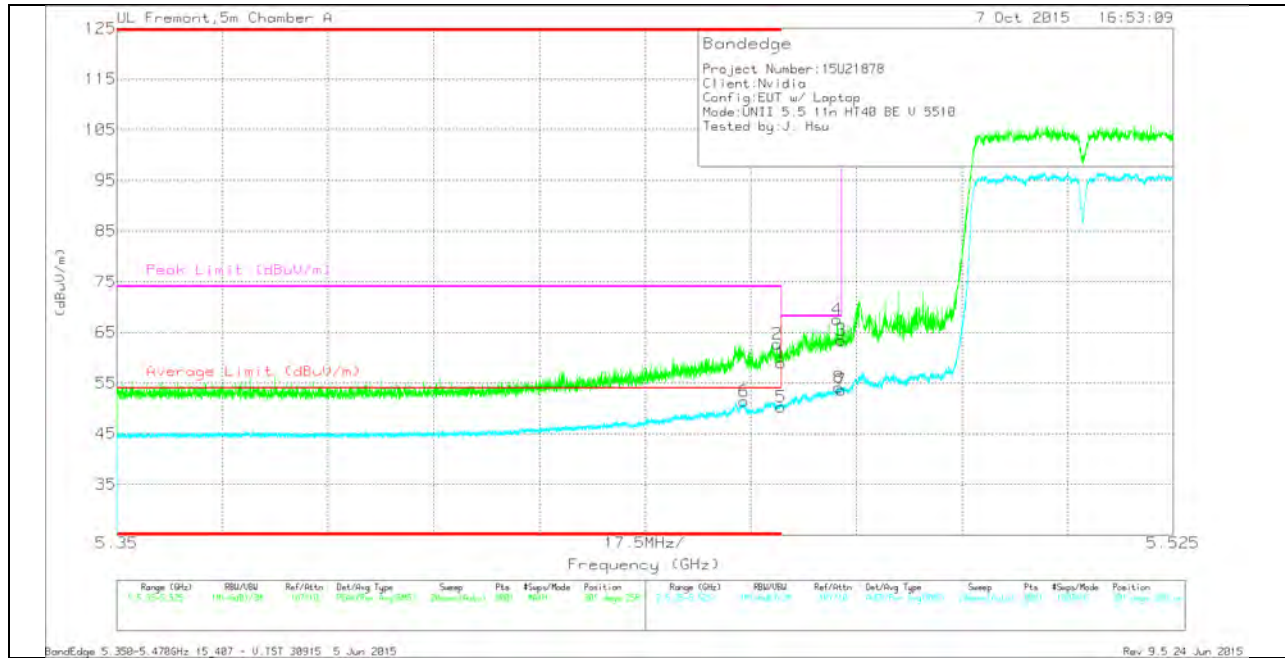
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/Cbl/Fit r/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 5.456         | 41.2                 | Pk  | 34.5           | -20.2                  | 0            | 55.5                       | -                      | -           | 74                  | -18.5          | 118            | 277         | H        |
| 6      | * 5.457         | 31.11                | RMS | 34.5           | -20.2                  | 1.07         | 46.48                      | 54                     | -7.52       | -                   | -              | 118            | 277         | H        |
| 1      | * 5.46          | 38.27                | Pk  | 34.5           | -20.2                  | 0            | 52.57                      | -                      | -           | 74                  | -21.43         | 118            | 277         | H        |
| 5      | * 5.46          | 30.29                | RMS | 34.5           | -20.2                  | 1.07         | 45.66                      | 54                     | -8.34       | -                   | -              | 118            | 277         | H        |
| 4      | 5.467           | 43.28                | Pk  | 34.5           | -20.1                  | 0            | 57.68                      | -                      | -           | 68.2                | -10.52         | 118            | 277         | H        |
| 8      | 5.467           | 31.71                | RMS | 34.5           | -20.1                  | 1.07         | 47.18                      | -                      | -           | -                   | -              | 118            | 277         | H        |
| 3      | 5.47            | 39.21                | Pk  | 34.5           | -20.1                  | 0            | 53.61                      | -                      | -           | 68.2                | -14.59         | 118            | 277         | H        |
| 7      | 5.47            | 31.42                | RMS | 34.5           | -20.1                  | 1.07         | 46.89                      | -                      | -           | -                   | -              | 118            | 277         | H        |

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL PEAK AND AVERAGE PLOT



### VERTICAL DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/Cbl/Plt r/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.46          | 44.72                | Pk  | 34.5           | -20.2                  | 0            | 59.02                      | -                      | -           | 74                  | -14.98         | 301            | 258         | V        |
| 2      | * 5.459         | 48.36                | Pk  | 34.5           | -20.2                  | 0            | 62.66                      | -                      | -           | 74                  | -11.34         | 301            | 258         | V        |
| 5      | * 5.46          | 34.93                | RMS | 34.5           | -20.2                  | 1.07         | 50.3                       | 54                     | -3.7        | -                   | -              | 301            | 258         | V        |
| 6      | * 5.454         | 36.06                | RMS | 34.5           | -20.2                  | 1.07         | 51.43                      | 54                     | -2.57       | -                   | -              | 301            | 258         | V        |
| 4      | 5.469           | 53.12                | Pk  | 34.5           | -20.1                  | 0            | 67.52                      | -                      | -           | 68.2                | -68            | 301            | 258         | V        |
| 3      | 5.47            | 49.11                | Pk  | 34.5           | -20.1                  | 0            | 63.51                      | -                      | -           | 68.2                | -4.69          | 301            | 258         | V        |
| 7      | 5.47            | 38.12                | RMS | 34.5           | -20.1                  | 1.07         | 53.59                      | -                      | -           | -                   | -              | 301            | 258         | V        |
| 8      | 5.47            | 38.65                | RMS | 34.5           | -20.1                  | 1.07         | 54.12                      | -                      | -           | -                   | -              | 301            | 258         | V        |

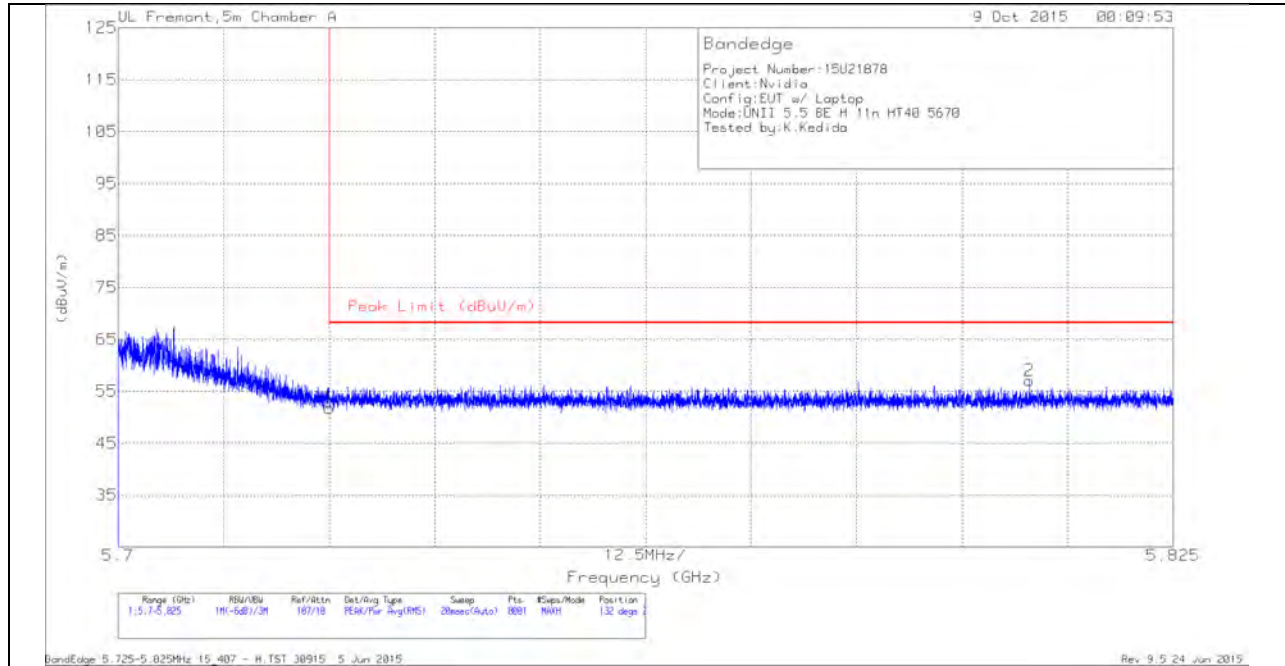
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

## AUTHORIZED BANDEDGE (HIGH CHANNEL)

### HORIZONTAL PEAK AND AVERAGE PLOT

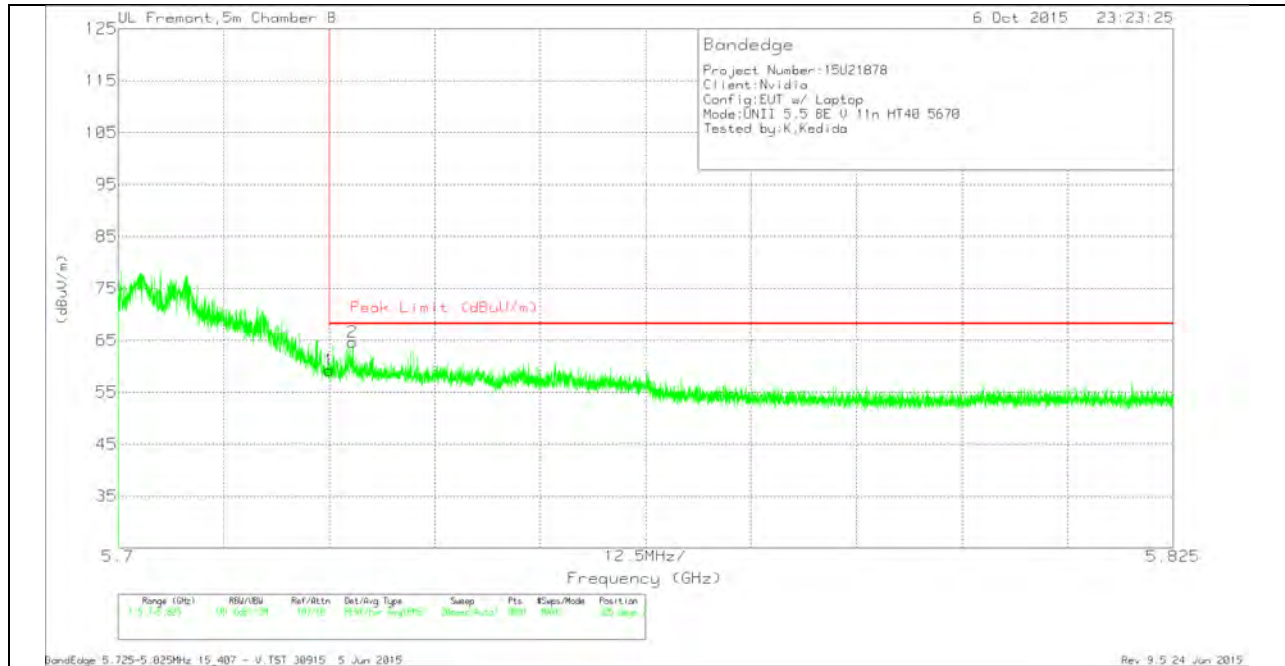


### HORIZONTAL DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/Cbl/Flt r/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.725           | 36.83                | Pk  | 34.7           | -19.8                  | 51.73                      | 68.2                | -16.47         | 132            | 296         | H        |
| 2      | 5.808           | 41.48                | Pk  | 35             | -19.4                  | 57.08                      | 68.2                | -11.12         | 132            | 296         | H        |

Pk - Peak detector

### VERTICAL PEAK AND AVERAGE PLOT

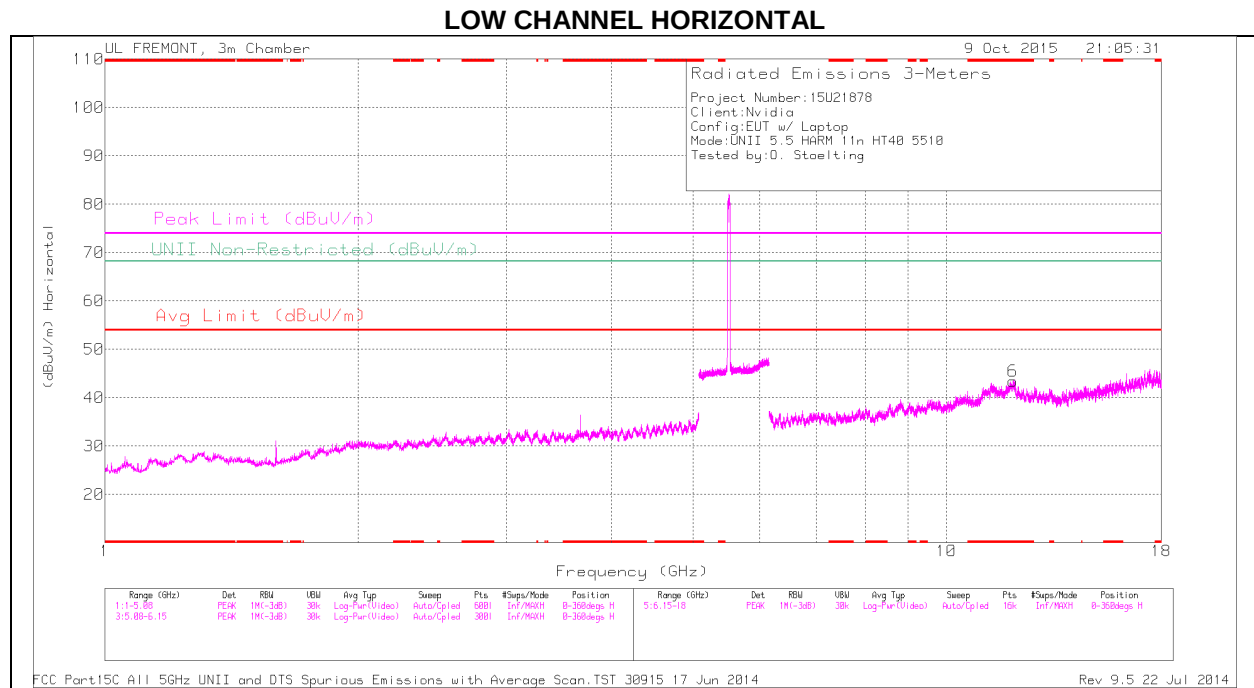


### VERTICAL DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AFT345 (dB/m) | Amp/Cbl/Fit r/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.725           | 45.95                | Pk  | 35            | -21.7                  | 59.25                      | 68.2                | -8.95          | 325            | 274         | V        |
| 2      | 5.728           | 51.34                | Pk  | 35            | -21.7                  | 64.64                      | 68.2                | -3.56          | 325            | 274         | V        |

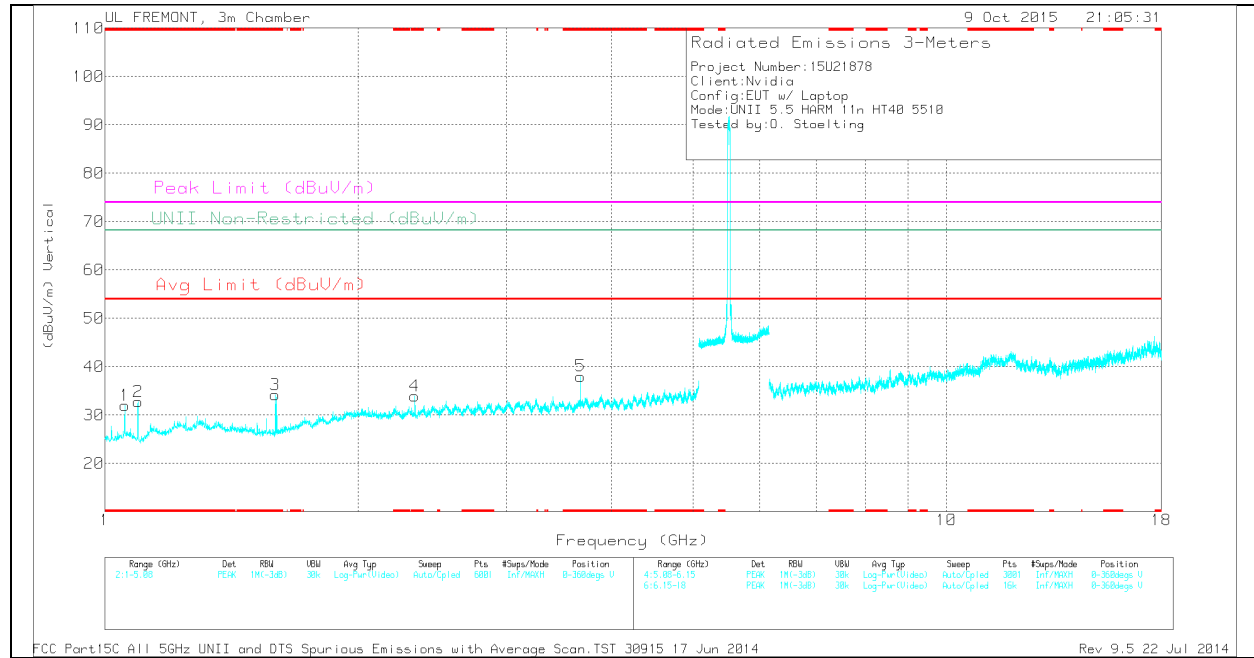
Pk - Peak detector

## HARMONICS AND SPURIOUS EMISSIONS



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

### LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

## LOW CHANNEL DATA

### TRACE MARKERS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/ Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 1.056         | 37.75                | PK  | 27.3           | -33.1                 | 0            | 31.95                      | -                  | -           | 74                  | -42.05         | -                            | -              | 0-360          | 100         | V        |
| 2      | * 1.095         | 38.5                 | PK  | 27.3           | -33                   | 0            | 32.8                       | -                  | -           | 74                  | -41.2          | -                            | -              | 0-360          | 200         | V        |
| 3      | * 1.593         | 38.95                | PK  | 28             | -32.8                 | 0            | 34.15                      | -                  | -           | 74                  | -39.85         | -                            | -              | 0-360          | 100         | V        |
| 4      | * 2.335         | 34.09                | PK  | 31.8           | -32                   | 0            | 33.89                      | -                  | -           | 74                  | -40.11         | -                            | -              | 0-360          | 200         | V        |
| 5      | * 3.674         | 34.74                | PK  | 33             | -29.7                 | 0            | 38.04                      | -                  | -           | 74                  | -35.96         | -                            | -              | 0-360          | 200         | V        |
| 6      | * 11.99         | 27.77                | PK  | 39.1           | -23.4                 | 0            | 43.47                      | -                  | -           | 74                  | -30.53         | -                            | -              | 0-360          | 100         | H        |

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

PK - Peak detector

### RADIATED EMISSIONS

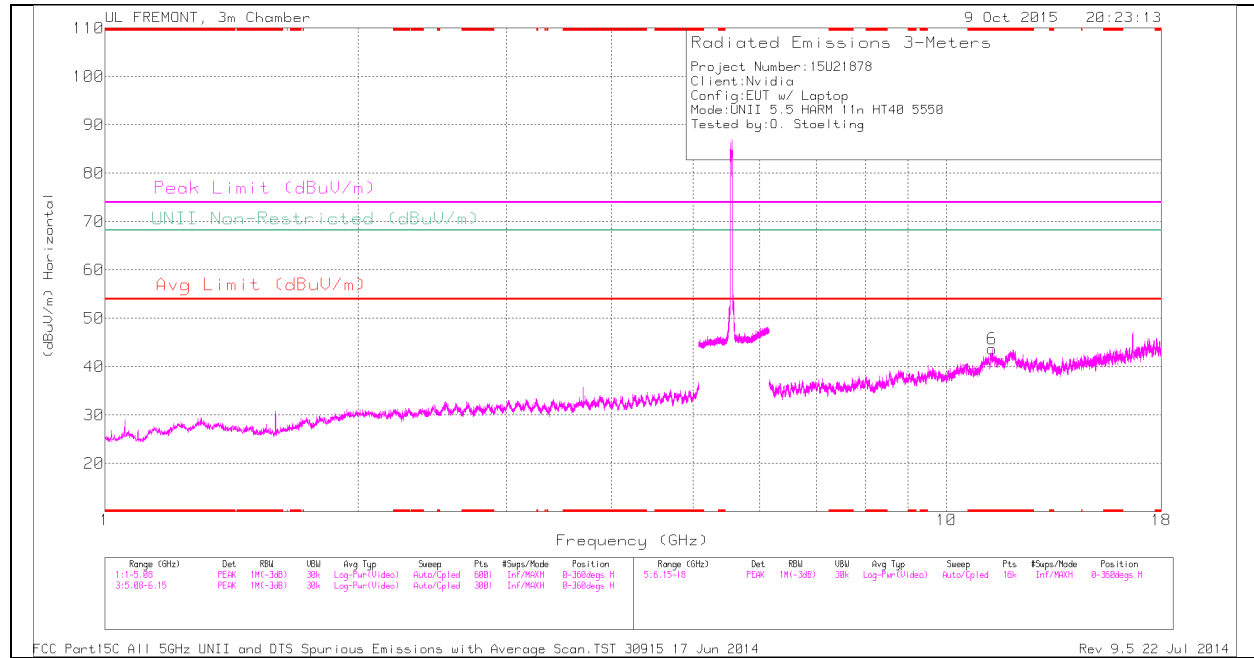
| Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/ Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|----------------|-----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| * 1.056         | 44.29                | PK1 | 27.3           | -33.1                 | 0            | 38.49                      | -                  | -           | 74                  | -35.51         | -                            | -              | 324            | 114         | V        |
| * 1.056         | 36.58                | AD1 | 27.3           | -33.1                 | 1.07         | 31.85                      | 54                 | -22.15      | -                   | -              | -                            | -              | 324            | 114         | V        |
| * 1.094         | 45.45                | PK1 | 27.3           | -33                   | 0            | 39.75                      | -                  | -           | 74                  | -34.25         | -                            | -              | 329            | 260         | V        |
| * 1.094         | 38.66                | AD1 | 27.3           | -33                   | 1.07         | 34.03                      | 54                 | -19.97      | -                   | -              | -                            | -              | 329            | 260         | V        |
| * 1.593         | 54.89                | PK1 | 28             | -32.8                 | 0            | 50.09                      | -                  | -           | 74                  | -23.91         | -                            | -              | 273            | 193         | V        |
| * 1.594         | 32.72                | AD1 | 28             | -32.8                 | 1.07         | 28.99                      | 54                 | -25.01      | -                   | -              | -                            | -              | 273            | 193         | V        |
| * 2.335         | 43.13                | PK1 | 31.8           | -32                   | 0            | 42.93                      | -                  | -           | 74                  | -31.07         | -                            | -              | 0              | 302         | V        |
| * 2.335         | 34.51                | AD1 | 31.8           | -32                   | 1.07         | 35.38                      | 54                 | -18.62      | -                   | -              | -                            | -              | 0              | 302         | V        |
| * 3.673         | 42.23                | PK1 | 33             | -29.7                 | 0            | 45.53                      | -                  | -           | 74                  | -28.47         | -                            | -              | 3              | 231         | V        |
| * 3.673         | 33.58                | AD1 | 33             | -29.7                 | 1.07         | 37.95                      | 54                 | -16.05      | -                   | -              | -                            | -              | 3              | 231         | V        |
| * 11.992        | 37.11                | PK1 | 39.1           | -23.4                 | 0            | 52.81                      | -                  | -           | 74                  | -21.19         | -                            | -              | 210            | 189         | H        |
| * 11.992        | 24.69                | AD1 | 39.1           | -23.4                 | 1.07         | 41.46                      | 54                 | -12.54      | -                   | -              | -                            | -              | 210            | 189         | H        |

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

PK1 - KDB789033 Method: Peak

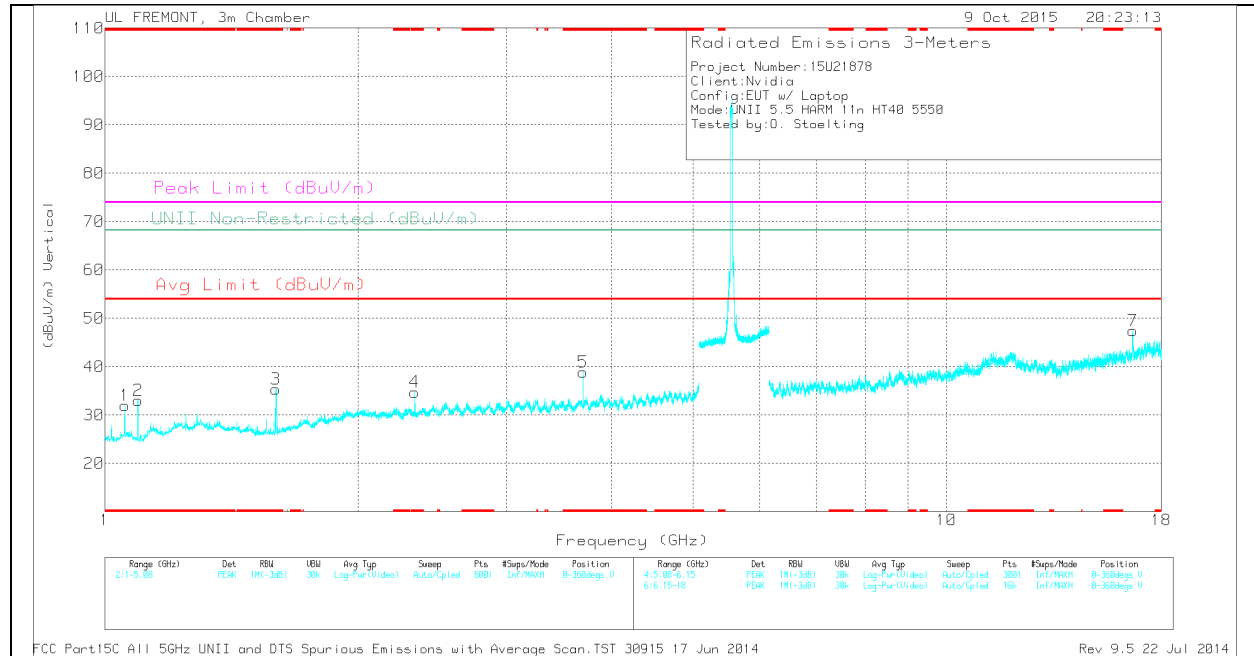
AD1 - KDB789033 Method: AD Primary Power Average

MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

### MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

## MID CHANNEL DATA

### TRACE MARKERS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/ Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 1.056         | 37.84                | PK  | 27.3           | -33.1                 | 0            | 32.04                      | -                  | -           | 74                  | -41.96         | -                            | -              | 0-360          | 100         | V        |
| 2      | * 1.095         | 38.74                | PK  | 27.3           | -33                   | 0            | 33.04                      | -                  | -           | 74                  | -40.96         | -                            | -              | 0-360          | 200         | V        |
| 3      | * 1.596         | 40.1                 | PK  | 28             | -32.7                 | 0            | 35.4                       | -                  | -           | 74                  | -38.6          | -                            | -              | 0-360          | 200         | V        |
| 4      | * 2.335         | 34.99                | PK  | 31.8           | -32                   | 0            | 34.79                      | -                  | -           | 74                  | -39.21         | -                            | -              | 0-360          | 100         | V        |
| 5      | * 3.7           | 36.09                | PK  | 33             | -30.2                 | 0            | 38.89                      | -                  | -           | 74                  | -35.11         | -                            | -              | 0-360          | 200         | V        |
| 6      | * 11.334        | 28.26                | PK  | 38.1           | -22.7                 | 0            | 43.66                      | -                  | -           | 74                  | -30.34         | -                            | -              | 0-360          | 100         | H        |
| 7      | 16.651          | 30.03                | PK  | 41.1           | -23.7                 | 0            | 47.43                      | -                  | -           | -                   | -              | 68.2                         | -20.77         | 0-360          | 100         | V        |

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

PK - Peak detector

### RADIATED EMISSIONS

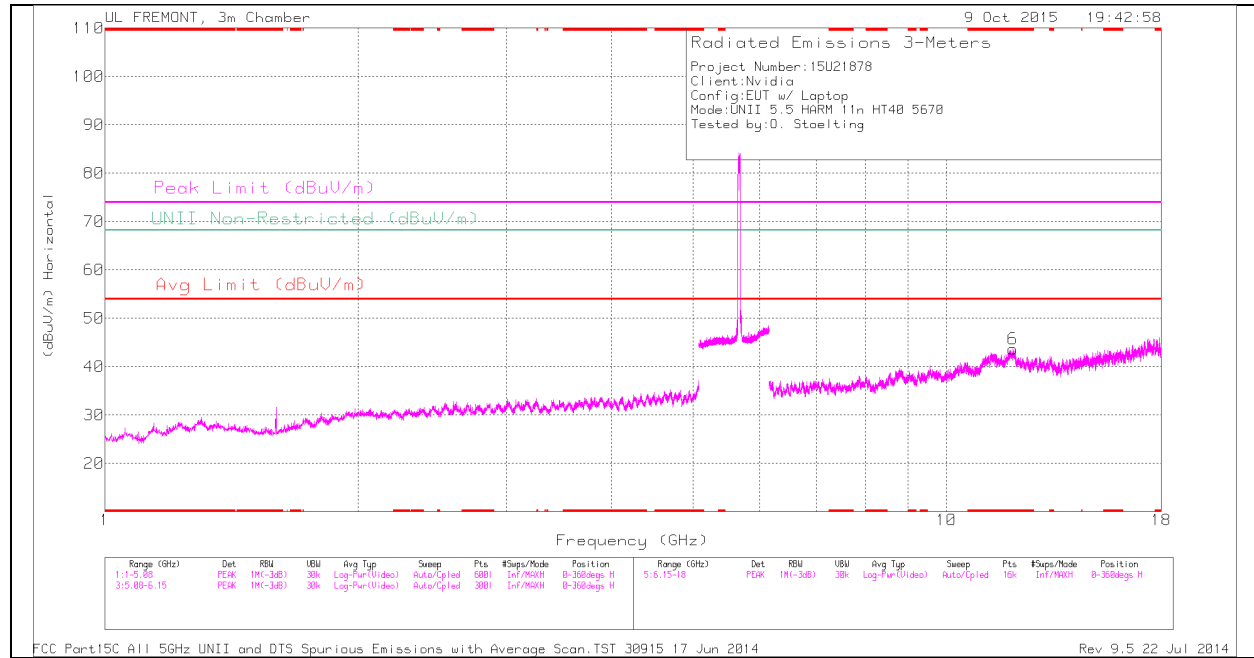
| Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/ Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|----------------|-----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| * 1.056         | 44.9                 | PK1 | 27.3           | -33.1                 | 0            | 39.1                       | -                  | -           | 74                  | -34.9          | -                            | -              | 1              | 356         | V        |
| * 1.056         | 37.72                | AD1 | 27.3           | -33.1                 | 1.07         | 32.99                      | 54                 | -21.01      | -                   | -              | -                            | -              | 1              | 356         | V        |
| * 1.094         | 44.86                | PK1 | 27.3           | -33                   | 0            | 39.16                      | -                  | -           | 74                  | -34.84         | -                            | -              | 324            | 201         | V        |
| * 1.094         | 38.08                | AD1 | 27.3           | -33                   | 1.07         | 33.45                      | 54                 | -20.55      | -                   | -              | -                            | -              | 324            | 201         | V        |
| * 1.598         | 54.71                | PK1 | 28             | -32.7                 | 0            | 50.01                      | -                  | -           | 74                  | -23.99         | -                            | -              | 276            | 130         | V        |
| * 1.597         | 32.1                 | AD1 | 28             | -32.7                 | 1.07         | 28.47                      | 54                 | -25.53      | -                   | -              | -                            | -              | 276            | 130         | V        |
| * 2.335         | 42.65                | PK1 | 31.8           | -32                   | 0            | 42.45                      | -                  | -           | 74                  | -31.55         | -                            | -              | 353            | 373         | V        |
| * 2.335         | 33.59                | AD1 | 31.8           | -32                   | 1.07         | 34.46                      | 54                 | -19.54      | -                   | -              | -                            | -              | 353            | 373         | V        |
| * 3.7           | 43.12                | PK1 | 33             | -30.2                 | 0            | 45.92                      | -                  | -           | 74                  | -28.08         | -                            | -              | 201            | 200         | V        |
| * 3.7           | 33.35                | AD1 | 33             | -30.2                 | 1.07         | 37.22                      | 54                 | -16.78      | -                   | -              | -                            | -              | 201            | 200         | V        |
| * 11.335        | 36.28                | PK1 | 38.1           | -22.7                 | 0            | 51.68                      | -                  | -           | 74                  | -22.32         | -                            | -              | 89             | 284         | H        |
| * 11.336        | 24.21                | AD1 | 38.1           | -22.7                 | 1.07         | 40.68                      | 54                 | -13.32      | -                   | -              | -                            | -              | 89             | 284         | H        |
| 16.649          | 43.03                | PK1 | 41.1           | -23.7                 | 0            | 60.43                      | -                  | -           | -                   | -              | 68.2                         | -7.77          | 116            | 107         | V        |
| 16.649          | 29.43                | AD1 | 41.1           | -23.7                 | 1.07         | 47.90                      | -                  | -           | -                   | -              | -                            | -              | 116            | 107         | V        |

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

PK1 - KDB789033 Method: Peak

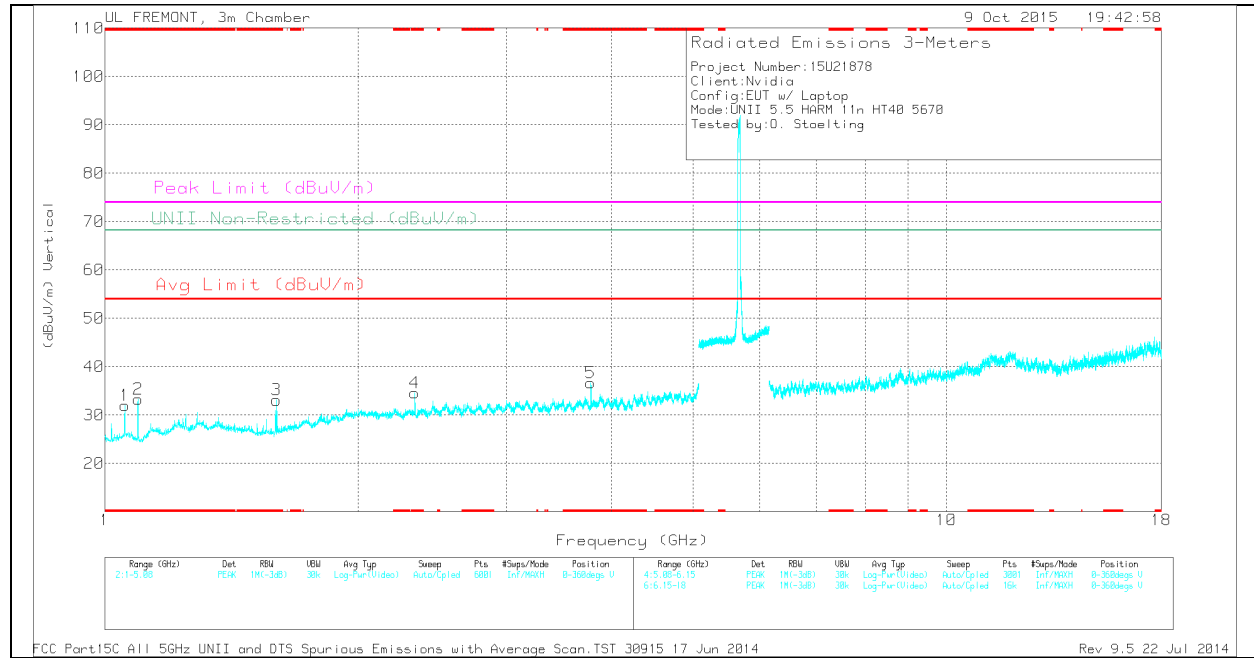
AD1 - KDB789033 Method: AD Primary Power Average

### HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

# HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

## HIGH CHANNEL DATA

### TRACE MARKERS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 1.056         | 37.75                | PK  | 27.3           | -33.1                | 0            | 31.95                      | -                  | -           | 74                  | -42.05         | -                            | -              | 0-360          | 100         | V        |
| 2      | * 1.095         | 38.95                | PK  | 27.3           | -33                  | 0            | 33.25                      | -                  | -           | 74                  | -40.75         | -                            | -              | 0-360          | 200         | V        |
| 3      | * 1.598         | 37.81                | PK  | 28             | -32.7                | 0            | 33.11                      | -                  | -           | 74                  | -40.89         | -                            | -              | 0-360          | 100         | V        |
| 4      | * 2.335         | 34.84                | PK  | 31.8           | -32                  | 0            | 34.64                      | -                  | -           | 74                  | -39.36         | -                            | -              | 0-360          | 100         | V        |
| 5      | * 3.78          | 34.42                | PK  | 33.1           | -30.9                | 0            | 36.62                      | -                  | -           | 74                  | -37.38         | -                            | -              | 0-360          | 200         | V        |
| 6      | * 11.994        | 28.03                | PK  | 39.1           | -23.4                | 0            | 43.73                      | -                  | -           | 74                  | -30.27         | -                            | -              | 0-360          | 100         | H        |

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

PK - Peak detector

### RADIATED EMISSIONS

| Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|----------------|----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| * 1.056         | 44.66                | PK1 | 27.3           | -33.1                | 0            | 38.86                      | -                  | -           | 74                  | -35.14         | -                            | -              | 360            | 318         | V        |
| * 1.056         | 36.71                | AD1 | 27.3           | -33.1                | 1.07         | 31.98                      | 54                 | -22.02      | -                   | -              | -                            | -              | 360            | 318         | V        |
| * 1.094         | 44.81                | PK1 | 27.3           | -33                  | 0            | 39.11                      | -                  | -           | 74                  | -34.89         | -                            | -              | 334            | 262         | V        |
| * 1.094         | 38.46                | AD1 | 27.3           | -33                  | 1.07         | 33.83                      | 54                 | -20.17      | -                   | -              | -                            | -              | 334            | 262         | V        |
| * 1.6           | 52.45                | PK1 | 28             | -32.7                | 0            | 47.75                      | -                  | -           | 74                  | -26.25         | -                            | -              | 291            | 199         | V        |
| * 1.598         | 30.59                | AD1 | 28             | -32.7                | 1.07         | 26.96                      | 54                 | -27.04      | -                   | -              | -                            | -              | 291            | 199         | V        |
| * 2.335         | 43.21                | PK1 | 31.8           | -32                  | 0            | 43.01                      | -                  | -           | 74                  | -30.99         | -                            | -              | 350            | 100         | V        |
| * 2.335         | 34.6                 | AD1 | 31.8           | -32                  | 1.07         | 35.47                      | 54                 | -18.53      | -                   | -              | -                            | -              | 350            | 100         | V        |
| * 3.78          | 42.77                | PK1 | 33.1           | -30.9                | 0            | 44.97                      | -                  | -           | 74                  | -29.03         | -                            | -              | 303            | 312         | V        |
| * 3.78          | 33.82                | AD1 | 33.1           | -30.9                | 1.07         | 37.09                      | 54                 | -16.91      | -                   | -              | -                            | -              | 303            | 312         | V        |
| * 11.993        | 36.86                | PK1 | 39.1           | -23.4                | 0            | 52.56                      | -                  | -           | 74                  | -21.44         | -                            | -              | 65             | 337         | H        |
| * 11.996        | 24.6                 | AD1 | 39.1           | -23.4                | 1.07         | 41.37                      | 54                 | -12.63      | -                   | -              | -                            | -              | 65             | 337         | H        |

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

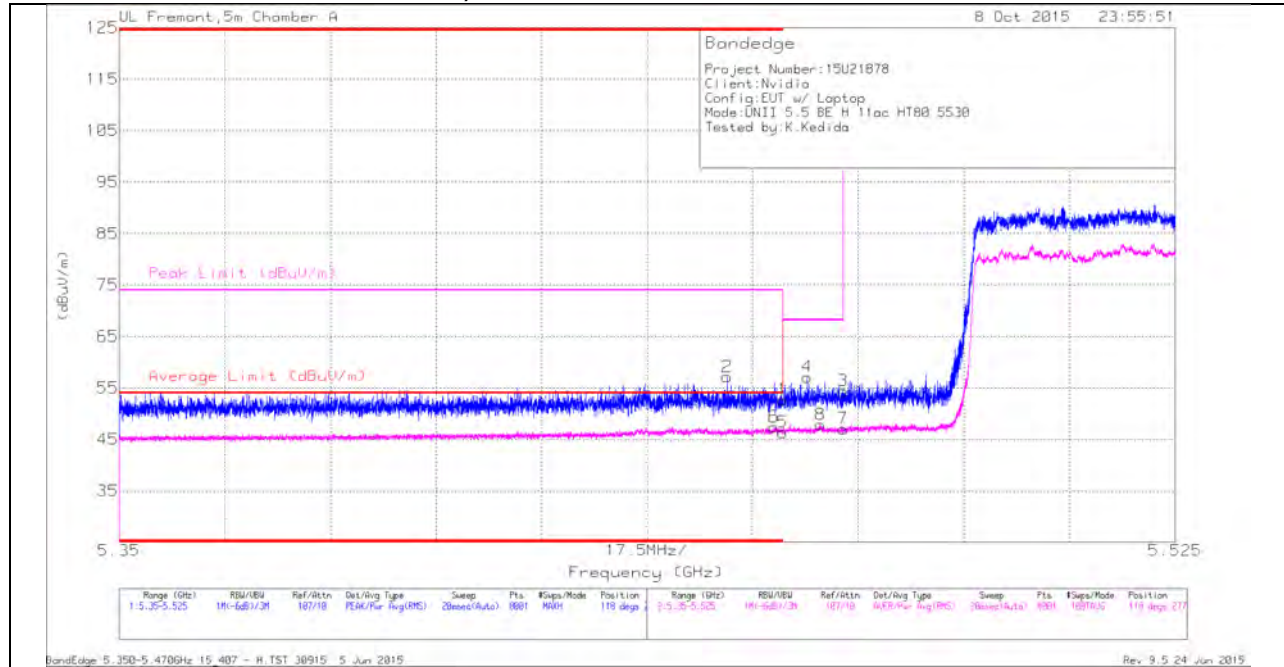
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

### 10.3.5. TX ABOVE 1 GHz 802.11ac HT80 MODE IN THE 5.5 GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL)

##### LOWER EDGE, HORIZONTAL PEAK AND AVERAGE PLOT



#### HORIZONTAL DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/Cb/Filter/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.46          | 38.39                | Pk  | 34.5           | -20.2                  | 0            | 52.69                      | -                      | -           | 74                  | -21.31         | 118            | 277         | H        |
| 2      | * 5.451         | 42.84                | Pk  | 34.5           | -20.2                  | 0            | 57.14                      | -                      | -           | 74                  | -16.86         | 118            | 277         | H        |
| 5      | * 5.46          | 30.25                | RMS | 34.5           | -20.2                  | 1.82         | 46.37                      | 54                     | -7.63       | -                   | -              | 118            | 277         | H        |
| 6      | * 5.458         | 31.31                | RMS | 34.5           | -20.2                  | 1.82         | 47.43                      | 54                     | -6.57       | -                   | -              | 118            | 277         | H        |
| 4      | 5.464           | 42.71                | Pk  | 34.5           | -20.1                  | 0            | 57.11                      | -                      | -           | 68.2                | -11.09         | 118            | 277         | H        |
| 8      | 5.466           | 31.63                | RMS | 34.5           | -20.1                  | 1.82         | 47.85                      | -                      | -           | -                   | -              | 118            | 277         | H        |
| 3      | 5.47            | 40.02                | Pk  | 34.5           | -20.1                  | 0            | 54.42                      | -                      | -           | 68.2                | -13.78         | 118            | 277         | H        |
| 7      | 5.47            | 30.87                | RMS | 34.5           | -20.1                  | 1.82         | 47.09                      | -                      | -           | -                   | -              | 118            | 277         | H        |

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

Pk - Peak detector

RMS - RMS detection

UL Fremont, 5m Chamber A

7 Oct 2015 17:25:46

Bondedge

Project Number: 15U21878  
Client: Nvidia  
Config: EUT w/ Laptop  
Mode: UNII 5.5 11ac HT80 BE U 5530  
Tested by: K. Kedida

Peak Limit (dBuV/m)

Average Limit (dBuV/m)

dBuV/m

Frequency (GHz)

17.5MHz/

| Range (GHz) | RBW/ABW   | Ref/Attn | Det/Log Type | Sweep       | Pls | #Sigs/Mode | Position | Range (GHz) | RBW/ABW   | Ref/Attn | Det/Log Type | Sweep       | Pls | #Sigs/Mode | Position |
|-------------|-----------|----------|--------------|-------------|-----|------------|----------|-------------|-----------|----------|--------------|-------------|-----|------------|----------|
| 5.35-5.525  | 100kHz/30 | 107dB    | Peak/Avg     | 200ms/100ms | 100 | 100        | 100      | 5.35-5.525  | 100kHz/30 | 107dB    | Peak/Avg     | 200ms/100ms | 100 | 100        | 100      |

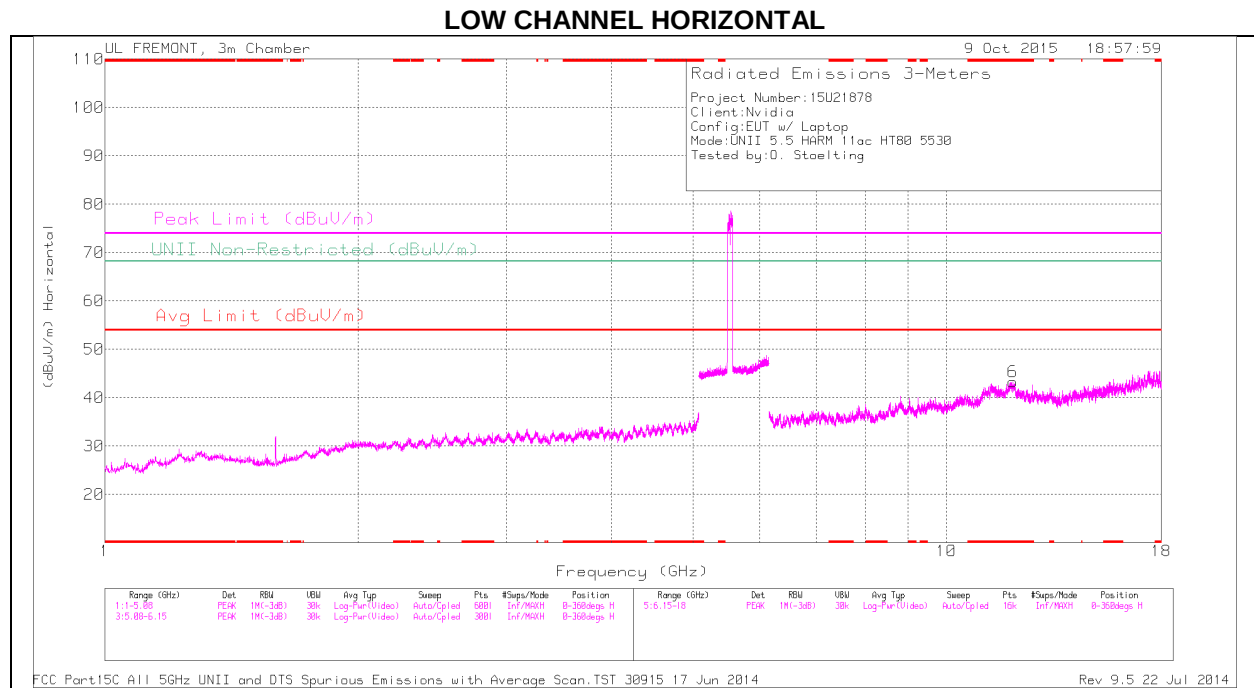
BondEdge 5.350-5.476GHz 15 487 - U.15T 30915 5 Jun 2015

Rev 9.5.24 Jun 2015

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/CBI/Flt r/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.46          | 45.05                | Pk  | 34.5           | -20.2                  | 0            | 59.35                      | -                      | -           | 74                  | -14.65         | 302            | 253         | V        |
| 2      | * 5.46          | 47.99                | Pk  | 34.5           | -20.2                  | 0            | 62.29                      | -                      | -           | 74                  | -11.71         | 302            | 253         | V        |
| 5      | * 5.46          | 34.61                | RMS | 34.5           | -20.2                  | 1.82         | 50.73                      | 54                     | -3.27       | -                   | -              | 302            | 253         | V        |
| 6      | * 5.459         | 36.58                | RMS | 34.5           | -20.2                  | 1.82         | 52.7                       | 54                     | -1.3        | -                   | -              | 302            | 253         | V        |
| 4      | 5.468           | 49.35                | Pk  | 34.5           | -20.1                  | 0            | 63.75                      | -                      | -           | 68.2                | -4.45          | 302            | 253         | V        |
| 8      | 5.469           | 36.69                | RMS | 34.5           | -20.1                  | 1.82         | 52.91                      | -                      | -           | -                   | -              | 302            | 253         | V        |
| 3      | 5.47            | 45.98                | Pk  | 34.5           | -20.1                  | 0            | 60.38                      | -                      | -           | 68.2                | -7.82          | 302            | 253         | V        |
| 7      | 5.47            | 35.62                | RMS | 34.5           | -20.1                  | 1.82         | 51.84                      | -                      | -           | -                   | -              | 302            | 253         | V        |

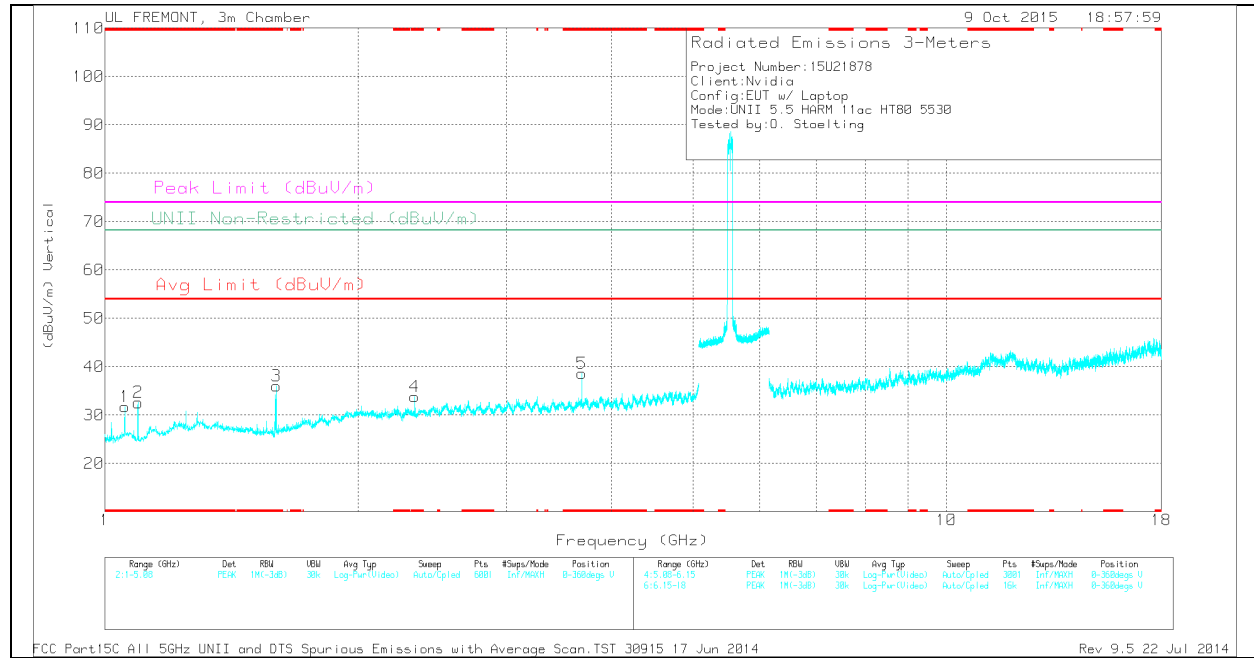
## RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

### LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

## LOW CHANNEL DATA

### TRACE MARKERS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/ Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 1.056         | 37.58                | PK  | 27.3           | -33.1                 | 0            | 31.78                      | -                  | -           | 74                  | -42.22         | -                            | -              | 0-360          | 100         | V        |
| 2      | * 1.095         | 38.29                | PK  | 27.3           | -33                   | 0            | 32.59                      | -                  | -           | 74                  | -41.41         | -                            | -              | 0-360          | 100         | V        |
| 3      | * 1.599         | 40.72                | PK  | 28             | -32.7                 | 0            | 36.02                      | -                  | -           | 74                  | -37.98         | -                            | -              | 0-360          | 100         | V        |
| 4      | * 2.335         | 34.06                | PK  | 31.8           | -32                   | 0            | 33.86                      | -                  | -           | 74                  | -40.14         | -                            | -              | 0-360          | 100         | V        |
| 5      | * 3.687         | 35.5                 | PK  | 33             | -29.9                 | 0            | 38.6                       | -                  | -           | 74                  | -35.4          | -                            | -              | 0-360          | 200         | V        |
| 6      | * 11.993        | 27.62                | PK  | 39.1           | -23.4                 | 0            | 43.32                      | -                  | -           | 74                  | -30.68         | -                            | -              | 0-360          | 100         | H        |

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

PK - Peak detector

### RADIATED EMISSIONS

| Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/FI tr/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 |
|-----------------|----------------------|-----|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| * 1.056         | 45.62                | PK1 | 27.3           | -33.1                  | 0            | 39.82                      | -                  | -           | 74                  | -34.18         | -                            | -              | 15             | 366         | V        |
| * 1.056         | 38.94                | AD1 | 27.3           | -33.1                  | 1.82         | 34.96                      | 54                 | -19.04      | -                   | -              | -                            | -              | 15             | 366         | V        |
| * 1.094         | 44.86                | PK1 | 27.3           | -33                    | 0            | 39.16                      | -                  | -           | 74                  | -34.84         | -                            | -              | 328            | 351         | V        |
| * 1.094         | 38.75                | AD1 | 27.3           | -33                    | 1.82         | 34.87                      | 54                 | -19.13      | -                   | -              | -                            | -              | 328            | 351         | V        |
| * 1.6           | 53.79                | PK1 | 28             | -32.7                  | 0            | 49.09                      | -                  | -           | 74                  | -24.91         | -                            | -              | 258            | 154         | V        |
| * 1.597         | 31.42                | AD1 | 28             | -32.7                  | 1.82         | 28.54                      | 54                 | -25.46      | -                   | -              | -                            | -              | 258            | 154         | V        |
| * 2.335         | 43.01                | PK1 | 31.8           | -32                    | 0            | 42.81                      | -                  | -           | 74                  | -31.19         | -                            | -              | 359            | 297         | V        |
| * 2.335         | 34.41                | AD1 | 31.8           | -32                    | 1.82         | 36.03                      | 54                 | -17.97      | -                   | -              | -                            | -              | 359            | 297         | V        |
| * 3.687         | 43                   | PK1 | 33             | -29.9                  | 0            | 46.1                       | -                  | -           | 74                  | -27.9          | -                            | -              | 0              | 235         | V        |
| * 3.687         | 33.66                | AD1 | 33             | -29.9                  | 1.82         | 38.58                      | 54                 | -15.42      | -                   | -              | -                            | -              | 0              | 235         | V        |
| * 11.994        | 35.95                | PK1 | 39.1           | -23.4                  | 0            | 51.65                      | -                  | -           | 74                  | -22.35         | -                            | -              | 0              | 235         | H        |
| * 11.995        | 25                   | AD1 | 39.1           | -23.4                  | 1.82         | 42.52                      | 54                 | -11.48      | -                   | -              | -                            | -              | 0              | 235         | H        |

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

PK1 - KDB789033 Method: Peak

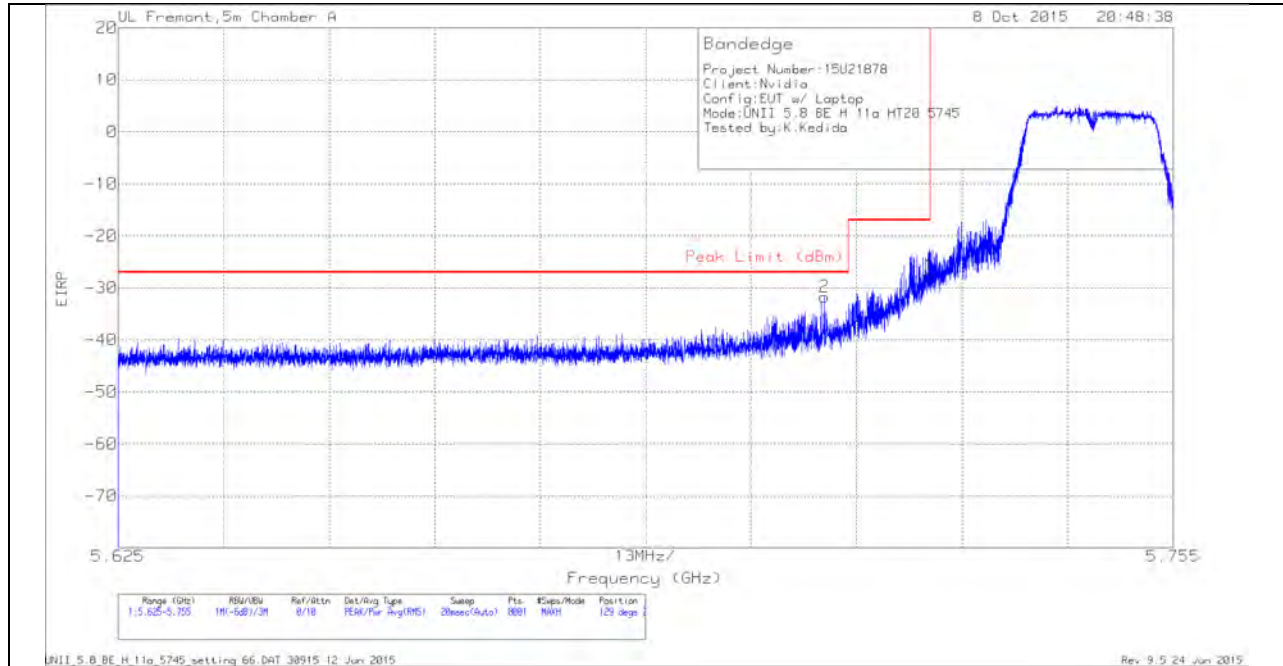
AD1 - KDB789033 Method: AD Primary Power Average

## 10.4. 5.8 GHz

### 10.4.1. TX ABOVE 1 GHz 802.11a SISO MODE IN THE 5.8 GHz BAND (Chain 0)

#### RESTRICTED BANDEDGE (LOW CHANNEL)

##### HORIZONTAL PEAK AND AVERAGE PLOT

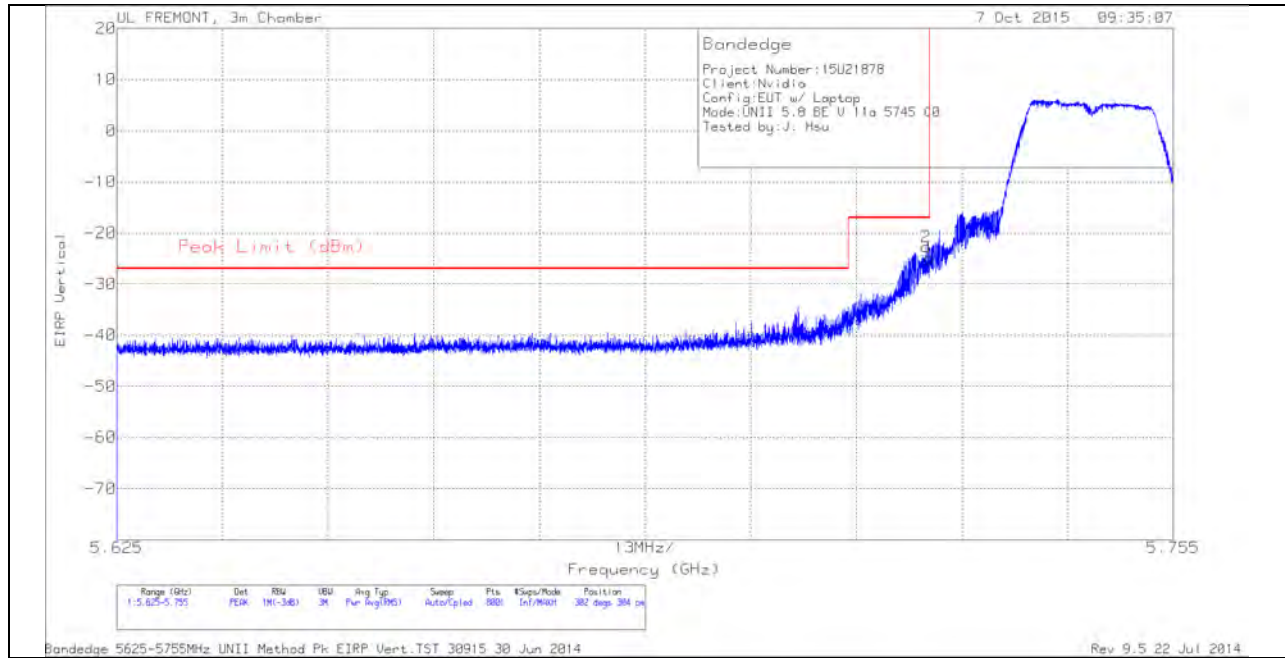


##### HORIZONTAL DATA

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Amp/Cbl/F ltr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 2      | 5.712           | -58.3               | Pk  | 34.7           | -19.9                  | 11.8                   | -31.7                  | -27              | -4.7           | 129            | 278         | H        |
| 1      | 5.725           | -54.31              | Pk  | 34.7           | -19.8                  | 11.8                   | -27.61                 | -17              | -10.61         | 129            | 278         | H        |

Pk - Peak detector

### VERTICAL PEAK AND AVERAGE PLOT



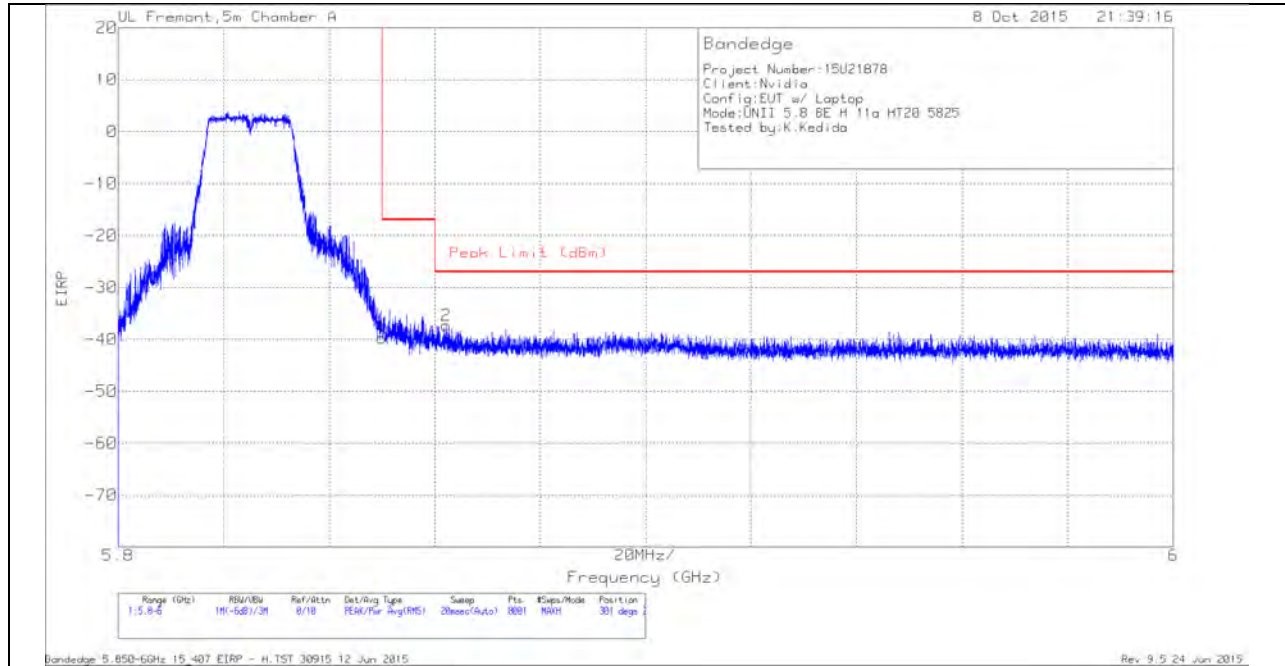
### VERTICAL DATA

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AFT119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Conversion Factor (dB) | DC Corr (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|---------------|------------------------|------------------------|--------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.725           | -51.3               | PK  | 34.8          | -20.3                  | 11.8                   | 0            | -25                    | -17              | -8             | 302            | 304         | V        |
| 2      | 5.725           | -49.01              | PK  | 34.8          | -20.3                  | 11.8                   | 0            | -22.71                 | -17              | -5.71          | 302            | 304         | V        |

PK - Peak detector

## AUTHORIZED BANDEGE (HIGH CHANNEL)

### HORIZONTAL PEAK AND AVERAGE PLOT

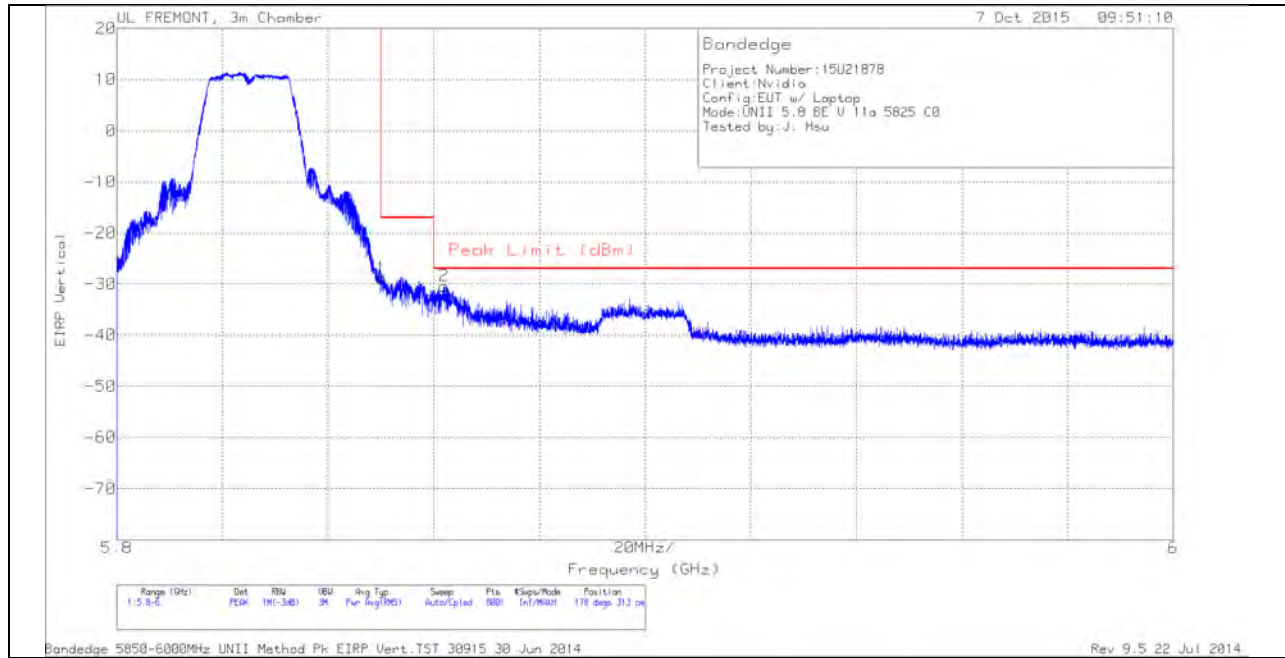


### HORIZONTAL DATA

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Amp/Cbl/F ltr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -67.27              | Pk  | 35.1           | -19.3                  | 11.8                   | -39.67                 | -17              | -22.67         | 301            | 250         | H        |
| 2      | 5.862           | -64.9               | Pk  | 35.1           | -19.3                  | 11.8                   | -37.3                  | -27              | -10.3          | 301            | 250         | H        |

Pk - Peak detector

### VERTICAL PEAK AND AVERAGE PLOT

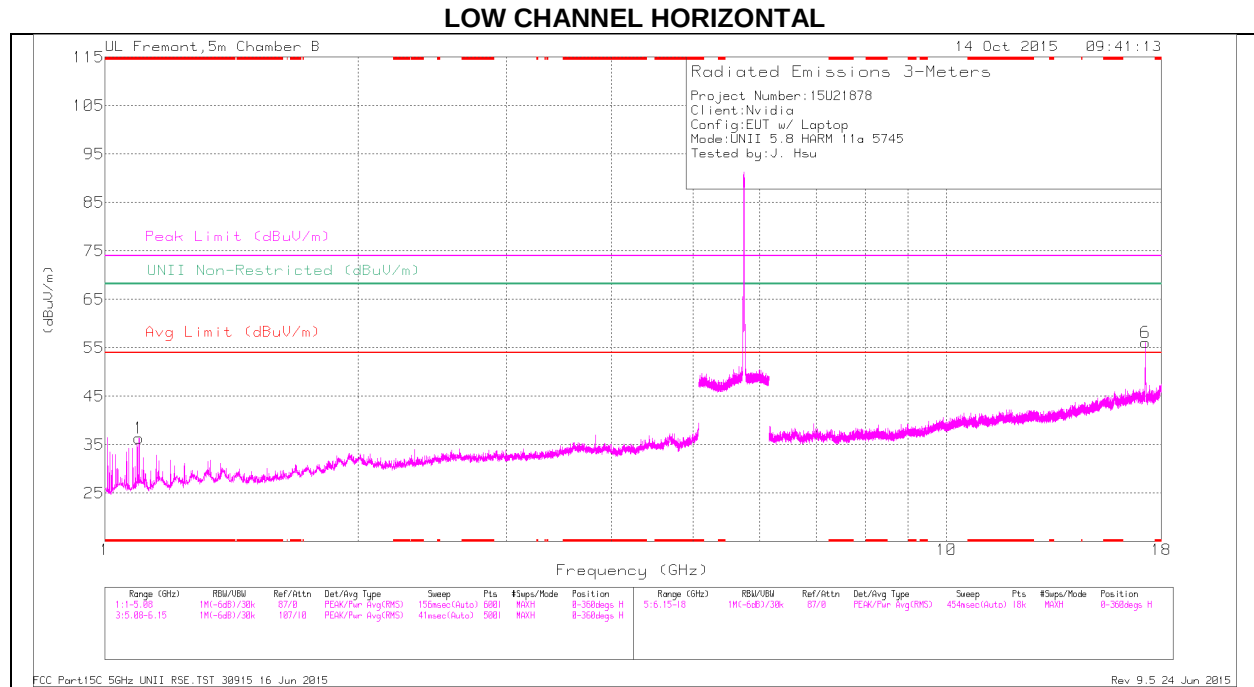


### VERTICAL DATA

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T119 (dB/m) | Amp/Cbl/F ltr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -54.97              | PK  | 34.9           | -20.6                  | 11.8                   | -28.87                 | -17              | -11.87         | 178            | 313         | V        |
| 2      | 5.862           | -56.58              | PK  | 34.9           | -20.5                  | 11.8                   | -30.38                 | -27              | -3.38          | 178            | 313         | V        |

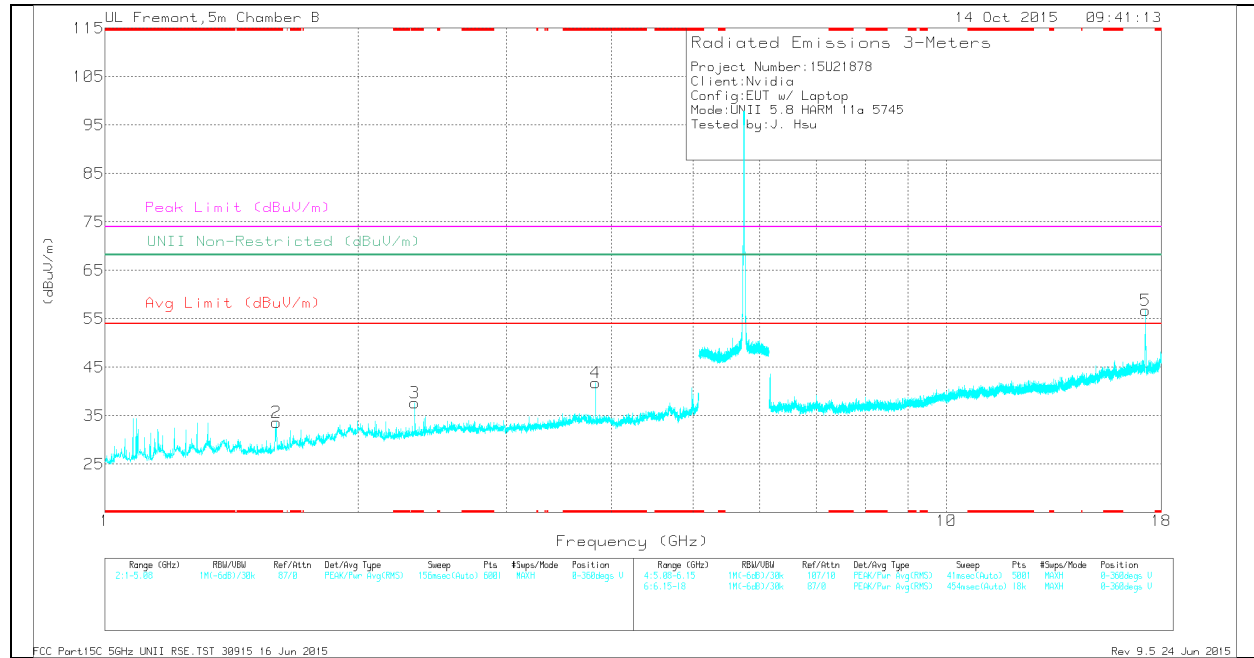
PK - Peak detector

## HARMONICS AND SPURIOUS EMISSIONS



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

### LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

## LOW CHANNEL DATA

### TRACE MARKERS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T34S (dB/m) | Amp/Chl/ Filt/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 1.098         | 44.25                | Pk  | 27.6           | -35.5                  | 0            | 36.35                      | -                  | -           | 74                  | -37.65         | -                            | -              | 0-360          | 101         | H        |
| 2      | * 1.599         | 39.94                | Pk  | 28.8           | -35.1                  | 0            | 33.64                      | -                  | -           | 74                  | -40.36         | -                            | -              | 0-360          | 200         | V        |
| 3      | * 2.335         | 40                   | Pk  | 31.7           | -34.1                  | 0            | 37.6                       | -                  | -           | 74                  | -36.4          | -                            | -              | 0-360          | 200         | V        |
| 4      | * 3.83          | 41.36                | Pk  | 33.4           | -33                    | 0            | 41.76                      | -                  | -           | 74                  | -32.24         | -                            | -              | 0-360          | 200         | V        |
| 5      | 17.229          | 37.31                | Pk  | 41.1           | -21.7                  | 0            | 56.71                      | -                  | -           | -                   | -              | 68.2                         | -11.49         | 0-360          | 199         | V        |
| 6      | 17.234          | 36.71                | Pk  | 41.1           | -21.7                  | 0            | 56.11                      | -                  | -           | -                   | -              | 68.2                         | -12.09         | 0-360          | 199         | H        |

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

Pk - Peak detector

### RADIATED EMISSIONS

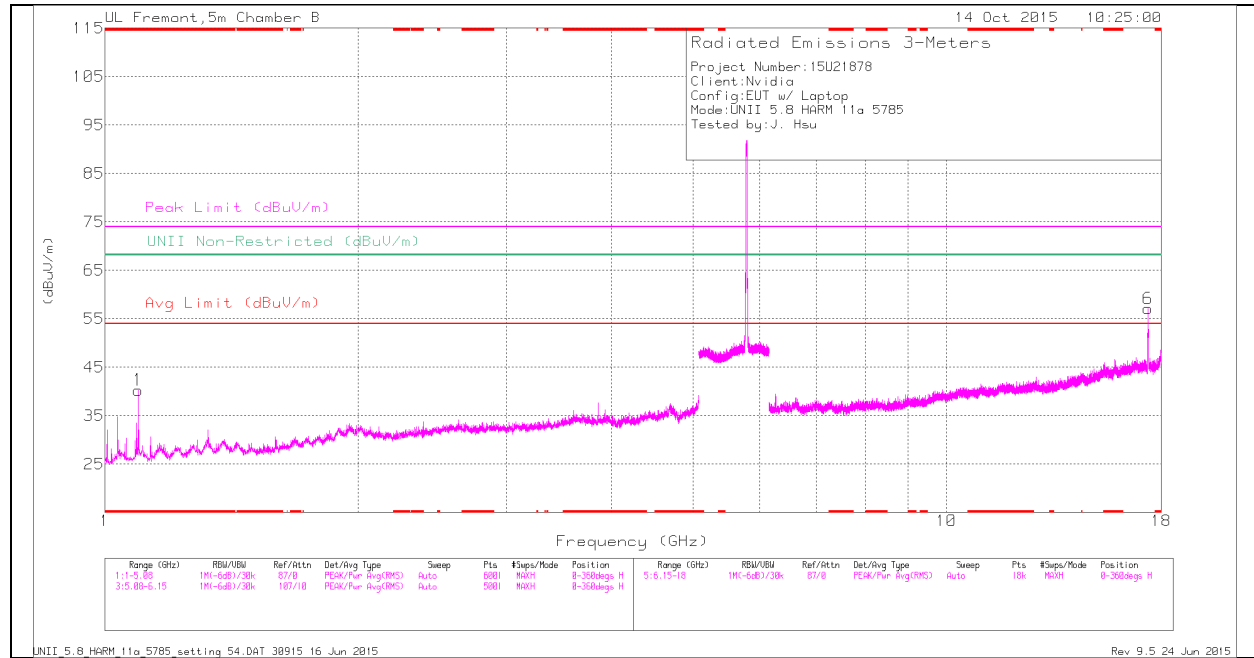
| Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T34S (dB/m) | Amp/Chl/ Filt/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|------|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| * 1.096         | 52.91                | PK-U | 27.6           | -35.6                  | 0            | 44.91                      | -                  | -           | 74                  | -29.09         | -                            | -              | 0              | 101         | H        |
| * 1.096         | 32.91                | ADR  | 27.6           | -35.6                  | .29          | 25.2                       | 54                 | -28.8       | -                   | -              | -                            | -              | 0              | 101         | H        |
| * 1.6           | 46.8                 | PK-U | 28.8           | -35.1                  | 0            | 40.5                       | -                  | -           | 74                  | -33.5          | -                            | -              | 0              | 101         | V        |
| * 1.6           | 32.33                | ADR  | 28.8           | -35.1                  | .29          | 26.32                      | 54                 | -27.68      | -                   | -              | -                            | -              | 0              | 101         | V        |
| * 2.335         | 47.31                | PK-U | 31.7           | -34.1                  | 0            | 44.91                      | -                  | -           | 74                  | -29.09         | -                            | -              | 306            | 233         | V        |
| * 2.335         | 39.31                | ADR  | 31.7           | -34.1                  | .29          | 37.2                       | 54                 | -16.8       | -                   | -              | -                            | -              | 306            | 233         | V        |
| * 3.83          | 47.02                | PK-U | 33.4           | -33                    | 0            | 47.42                      | -                  | -           | 74                  | -26.58         | -                            | -              | 251            | 238         | V        |
| * 3.83          | 41.96                | ADR  | 33.4           | -33                    | .29          | 42.65                      | 54                 | -11.35      | -                   | -              | -                            | -              | 251            | 238         | V        |
| 17.232          | 31.6                 | ADR  | 41.1           | -21.7                  | .29          | 51.29                      | -                  | -           | -                   | -              | -                            | -              | 185            | 202         | H        |
| 17.232          | 34.29                | ADR  | 41.1           | -21.7                  | .29          | 53.98                      | -                  | -           | -                   | -              | -                            | -              | 14             | 196         | V        |
| 17.238          | 45.28                | PK-U | 41.1           | -21.6                  | 0            | 64.78                      | -                  | -           | -                   | -              | 68.2                         | -3.42          | 185            | 202         | H        |
| 17.238          | 48.33                | PK-U | 41.1           | -21.7                  | 0            | 67.73                      | -                  | -           | -                   | -              | 68.2                         | -.47           | 14             | 196         | V        |

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

PK-U - U-NII: Maximum Peak

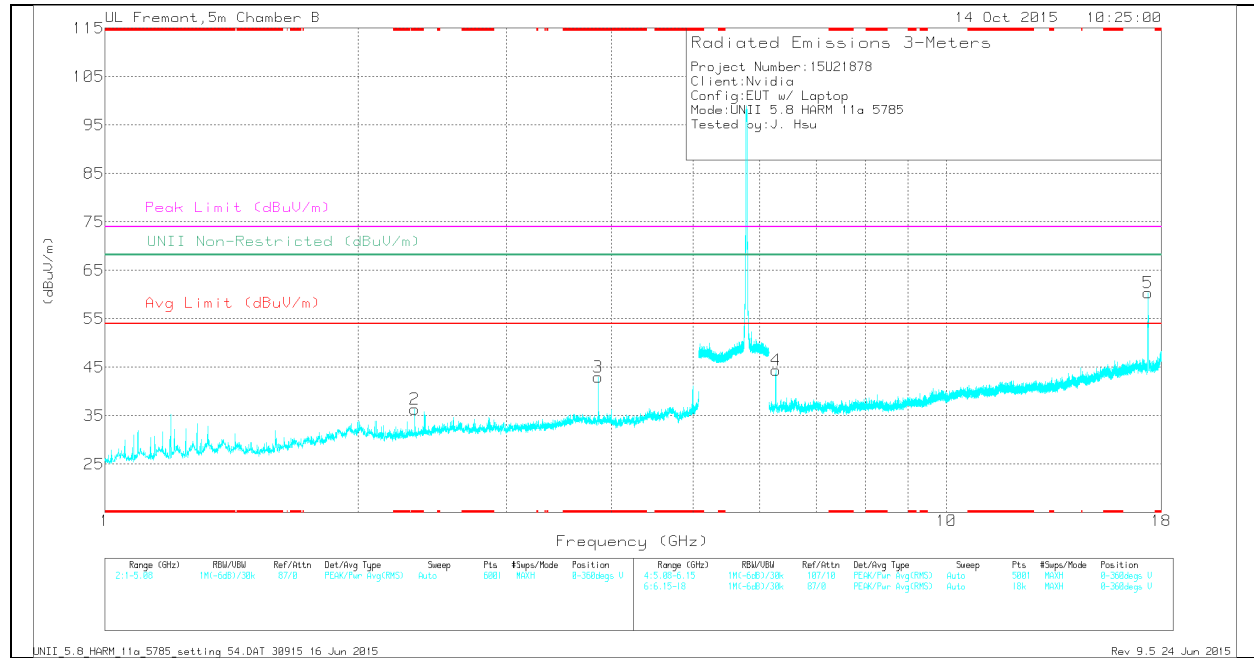
ADR - U-NII AD primary method, RMS average

### MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

### MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

## MID CHANNEL DATA

### TRACE MARKERS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T345 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 1.095         | 48.31                | Pk  | 27.6           | -35.6                  | 0            | 40.31                      | -                  | -           | 74                  | -33.69         | -                            | -              | 0-360          | 101         | H        |
| 2      | * 2.335         | 38.72                | Pk  | 31.7           | -34.1                  | 0            | 36.32                      | -                  | -           | 74                  | -37.68         | -                            | -              | 0-360          | 199         | V        |
| 3      | * 3.857         | 42.52                | Pk  | 33.4           | -32.9                  | 0            | 43.02                      | -                  | -           | 74                  | -30.98         | -                            | -              | 0-360          | 199         | V        |
| 4      | 6.268           | 40.45                | Pk  | 35.5           | -31.6                  | 0            | 44.35                      | -                  | -           | -                   | -              | 68.2                         | -23.85         | 0-360          | 199         | V        |
| 6      | 17.357          | 37.37                | Pk  | 40.8           | -21.1                  | 0            | 57.07                      | -                  | -           | -                   | -              | 68.2                         | -11.13         | 0-360          | 199         | H        |
| 5      | 17.361          | 40.56                | Pk  | 40.8           | -21                    | 0            | 60.36                      | -                  | -           | -                   | -              | 68.2                         | -7.84          | 0-360          | 199         | V        |

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

Pk - Peak detector

### RADIATED EMISSIONS

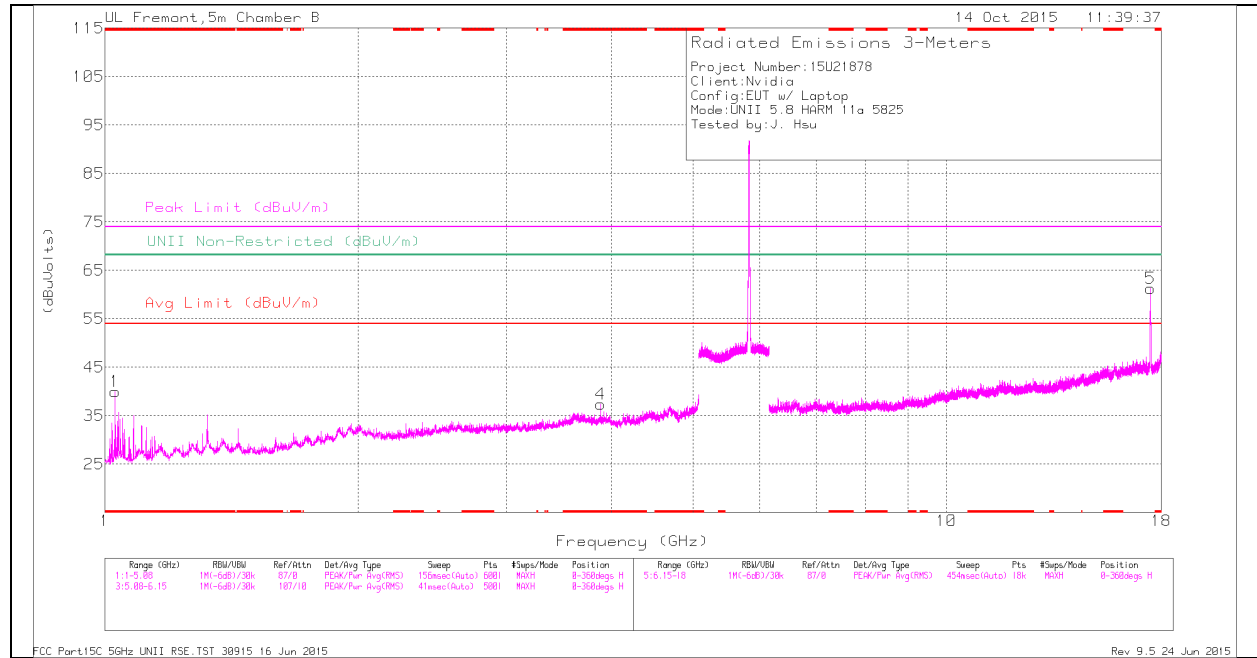
| Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T345 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|------|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| * 1.096         | 53.38                | PK-U | 27.6           | -35.6                  | 0            | 45.38                      | -                  | -           | 74                  | -28.62         | -                            | -              | 1              | 101         | H        |
| * 1.095         | 33.46                | ADR  | 27.6           | -35.6                  | -29          | 25.75                      | 54                 | -28.25      | -                   | -              | -                            | -              | 1              | 101         | H        |
| * 2.335         | 46.55                | PK-U | 31.7           | -34.1                  | 0            | 44.15                      | -                  | -           | 74                  | -29.85         | -                            | -              | 310            | 305         | V        |
| * 2.335         | 37.73                | ADR  | 31.7           | -34.1                  | -29          | 35.62                      | 54                 | -18.38      | -                   | -              | -                            | -              | 310            | 305         | V        |
| * 3.857         | 47.03                | PK-U | 33.4           | -32.9                  | 0            | 47.53                      | -                  | -           | 74                  | -26.47         | -                            | -              | 247            | 333         | V        |
| * 3.857         | 41.3                 | ADR  | 33.4           | -32.9                  | -29          | 42.09                      | 54                 | -11.91      | -                   | -              | -                            | -              | 247            | 333         | V        |
| 6.262           | 38.63                | ADR  | 35.5           | -31.5                  | -29          | 42.92                      | -                  | -           | -                   | -              | -                            | -              | 65             | 319         | V        |
| 6.263           | 48.37                | PK-U | 35.5           | -31.5                  | 0            | 52.37                      | -                  | -           | -                   | -              | 68.2                         | -15.83         | 65             | 319         | V        |
| 17.352          | 34.79                | ADR  | 40.8           | -21.3                  | -29          | 54.58                      | -                  | -           | -                   | -              | -                            | -              | 252            | 201         | V        |
| 17.356          | 33.91                | ADR  | 40.8           | -21.2                  | -29          | 53.8                       | -                  | -           | -                   | -              | -                            | -              | 122            | 326         | H        |
| 17.358          | 48.11                | PK-U | 40.8           | -21.1                  | 0            | 67.81                      | -                  | -           | -                   | -              | 68.2                         | -39            | 122            | 326         | H        |
| 17.358          | 48.02                | PK-U | 40.8           | -21.1                  | 0            | 67.72                      | -                  | -           | -                   | -              | 68.2                         | -48            | 252            | 201         | V        |

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

PK-U - U-NII: Maximum Peak

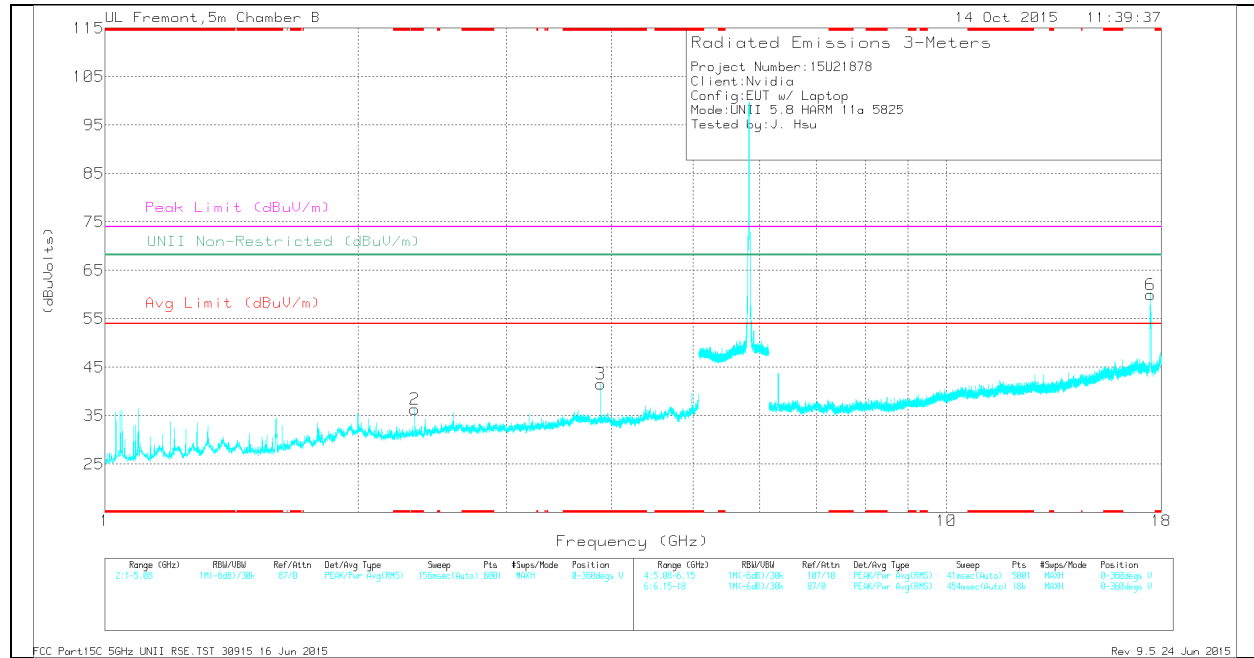
ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

### HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

## HIGH CHANNEL DATA

### TRACE MARKERS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T345 (dB/m) | Amp/Cbl/Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuVolts) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|----------------------|--------------|------------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 1.029         | 48.6                 | Pk  | 27.4           | -36                  | 0            | 40                           | -                  | -           | 74                  | -34            | -                            | -              | 0-360          | 199         | H        |
| 4      | * 3.883         | 36.5                 | Pk  | 33.5           | -32.6                | 0            | 37.4                         | -                  | -           | 74                  | -36.6          | -                            | -              | 0-360          | 101         | H        |
| 2      | * 2.335         | 38.76                | Pk  | 31.7           | -34.1                | 0            | 36.36                        | -                  | -           | 74                  | -37.64         | -                            | -              | 0-360          | 199         | V        |
| 3      | * 3.883         | 40.6                 | Pk  | 33.5           | -32.6                | 0            | 41.5                         | -                  | -           | 74                  | -32.5          | -                            | -              | 0-360          | 199         | V        |
| 6      | 17.473          | 40.38                | Pk  | 40.7           | -21.1                | 0            | 59.98                        | -                  | -           | -                   | -              | 68.2                         | -8.22          | 0-360          | 199         | V        |
| 5      | 17.475          | 41.72                | Pk  | 40.7           | -21.1                | 0            | 61.32                        | -                  | -           | -                   | -              | 68.2                         | -6.88          | 0-360          | 199         | H        |

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

Pk - Peak detector

### RADIATED EMISSIONS

| Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T345 (dB/m) | Amp/Cbl/Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuVolts) | 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 |
|-----------------|----------------------|------|----------------|----------------------|--------------|------------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| * 1.029         | 62.41                | PK-U | 27.4           | -36                  | 0            | 53.81                        | -                  | -           | 74                  | -20.19         | -                            | -              | 79             | 199         | H        |
| * 1.028         | 33.26                | ADR  | 27.4           | -36                  | .29          | 24.95                        | 54                 | -29.05      | -                   | -              | -                            | -              | 79             | 199         | H        |
| * 3.885         | 41.69                | PK-U | 33.5           | -32.6                | 0            | 42.59                        | -                  | -           | 74                  | -31.41         | -                            | -              | 79             | 199         | H        |
| * 3.883         | 31.29                | ADR  | 33.5           | -32.6                | .29          | 32.48                        | 54                 | -21.52      | -                   | -              | -                            | -              | 79             | 199         | H        |
| * 2.335         | 47.3                 | PK-U | 31.7           | -34.1                | 0            | 44.9                         | -                  | -           | 74                  | -29.1          | -                            | -              | 306            | 232         | V        |
| * 2.335         | 38.86                | ADR  | 31.7           | -34.1                | .29          | 36.75                        | 54                 | -17.25      | -                   | -              | -                            | -              | 306            | 232         | V        |
| * 3.884         | 47.31                | PK-U | 33.5           | -32.6                | 0            | 48.21                        | -                  | -           | 74                  | -25.79         | -                            | -              | 152            | 338         | V        |
| * 3.883         | 42.56                | ADR  | 33.5           | -32.6                | .29          | 43.75                        | 54                 | -10.25      | -                   | -              | -                            | -              | 152            | 338         | V        |
| 17.472          | 34.79                | ADR  | 40.7           | -21.1                | .29          | 54.68                        | -                  | -           | -                   | -              | -                            | -              | 13             | 263         | H        |
| 17.472          | 33.99                | ADR  | 40.7           | -21.1                | .29          | 53.88                        | -                  | -           | -                   | -              | -                            | -              | 27             | 205         | V        |
| 17.478          | 48.4                 | PK-U | 40.7           | -21.1                | 0            | 68                           | -                  | -           | -                   | -              | 68.2                         | -2             | 13             | 263         | H        |
| 17.478          | 48.03                | PK-U | 40.7           | -21.1                | 0            | 67.63                        | -                  | -           | -                   | -              | 68.2                         | -57            | 27             | 205         | V        |

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

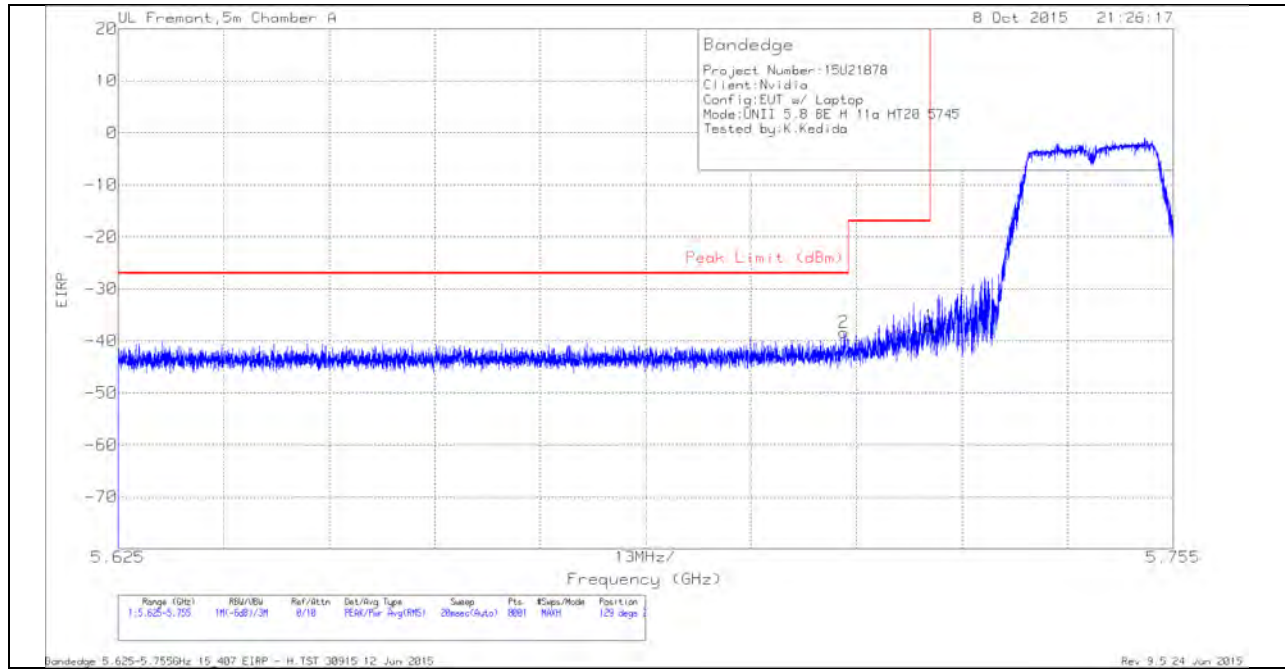
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

## 10.4.2. TX ABOVE 1 GHz 802.11a SISO MODE IN THE 5.8 GHz BAND (Chain 1)

### RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE PLOT

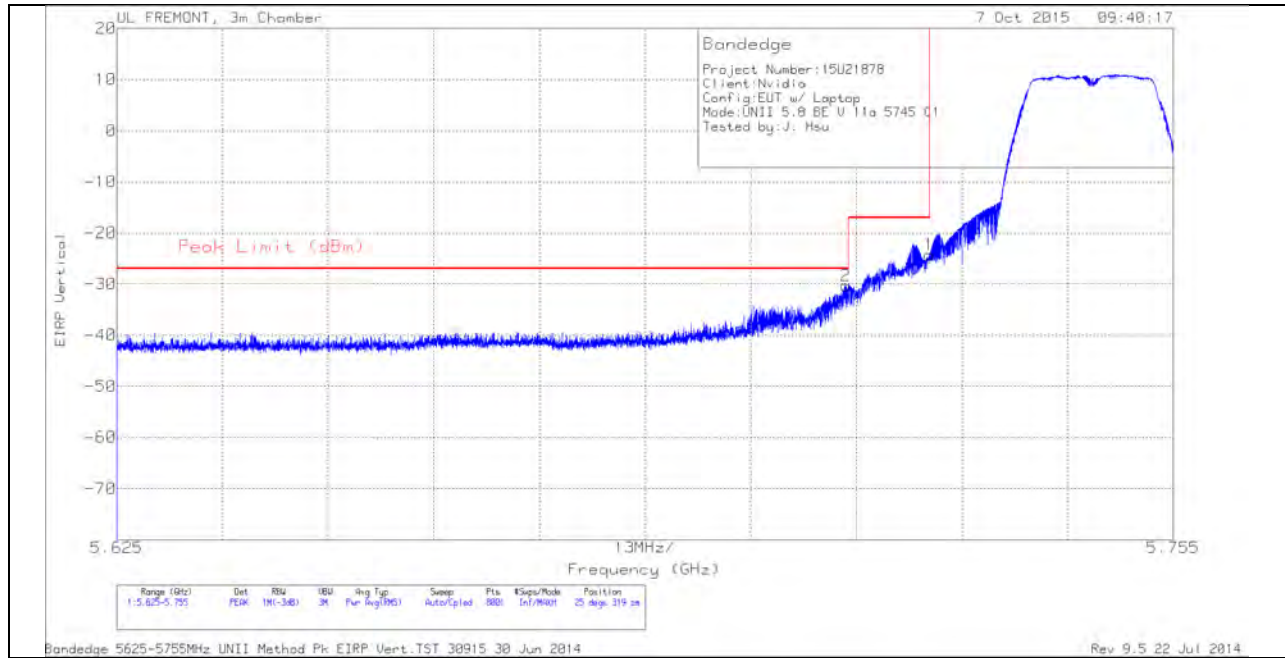


#### HORIZONTAL DATA

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Amp/Cbl/F ltr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 2      | 5.714           | -65.05              | Pk  | 34.7           | -19.8                  | 11.8                   | -38.35                 | -27              | -11.35         | 129            | 278         | H        |
| 1      | 5.725           | -63.82              | Pk  | 34.7           | -19.8                  | 11.8                   | -37.12                 | -17              | -20.12         | 129            | 278         | H        |

Pk - Peak detector

### VERTICAL PEAK AND AVERAGE PLOT



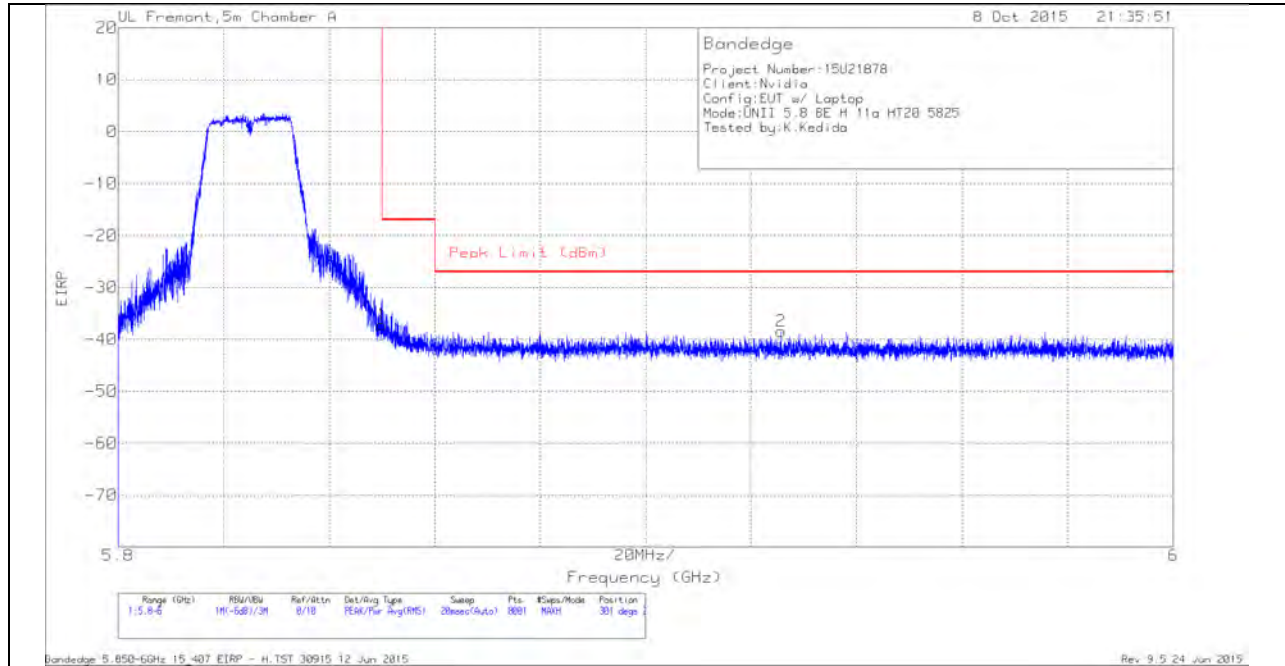
### VERTICAL DATA

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AFT119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Conversion Factor (dB) | DC Corr (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|---------------|------------------------|------------------------|--------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 2      | 5.715           | -56.67              | PK  | 34.8          | -20.3                  | 11.8                   | 0            | -30.37                 | -27              | -3.37          | 25             | 319         | V        |
| 1      | 5.725           | -50.61              | PK  | 34.8          | -20.3                  | 11.8                   | 0            | -24.31                 | -17              | -7.31          | 25             | 319         | V        |

PK - Peak detector

## AUTHORIZED BANDEDGE (HIGH CHANNEL)

### HORIZONTAL PEAK AND AVERAGE PLOT

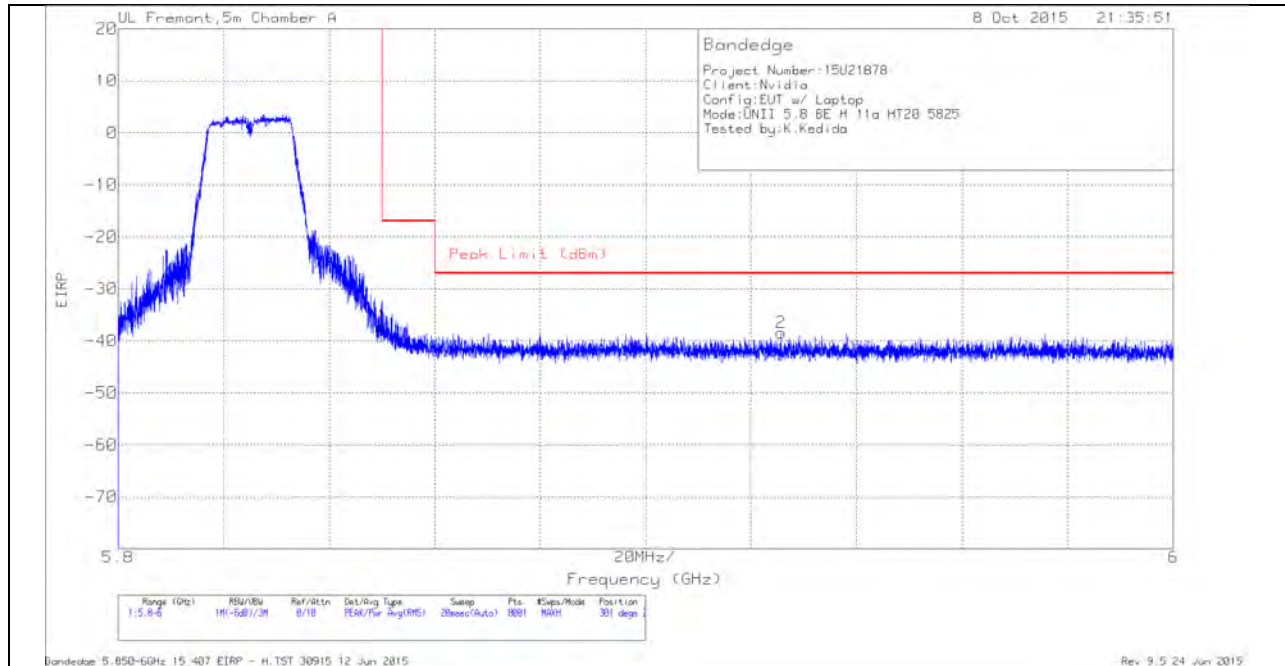


### HORIZONTAL DATA

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Amp/Cbl/F ltr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -64.77              | Pk  | 35.1           | -19.3                  | 11.8                   | -37.17                 | -17              | -20.17         | 301            | 250         | H        |
| 2      | 5.926           | -66.15              | Pk  | 35.2           | -19.3                  | 11.8                   | -38.45                 | -27              | -11.45         | 301            | 250         | H        |

Pk - Peak detector

### VERTICAL PEAK AND AVERAGE PLOT

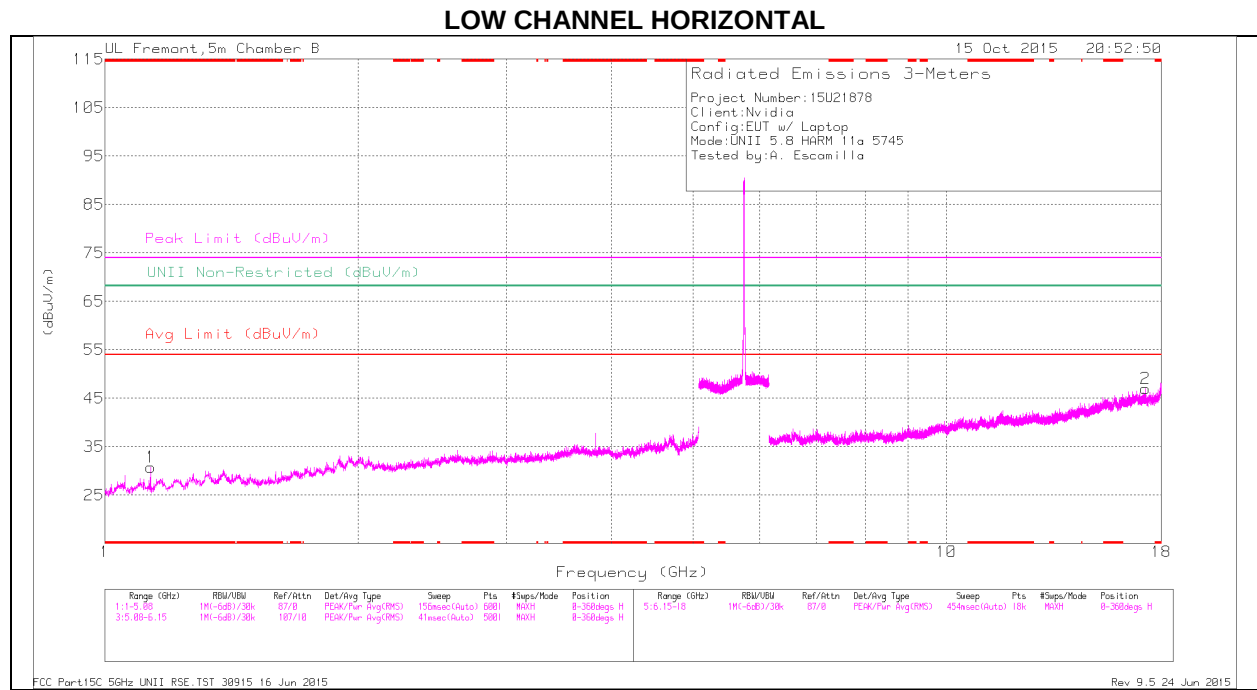


### VERTICAL DATA

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T136 (dB/m) | Amp/Cbl/F ltr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -64.77              | Pk  | 35.1           | -19.3                  | 11.8                   | -37.17                 | -17              | -20.17         | 301            | 250         | H        |
| 2      | 5.926           | -66.15              | Pk  | 35.2           | -19.3                  | 11.8                   | -38.45                 | -27              | -11.45         | 301            | 250         | H        |

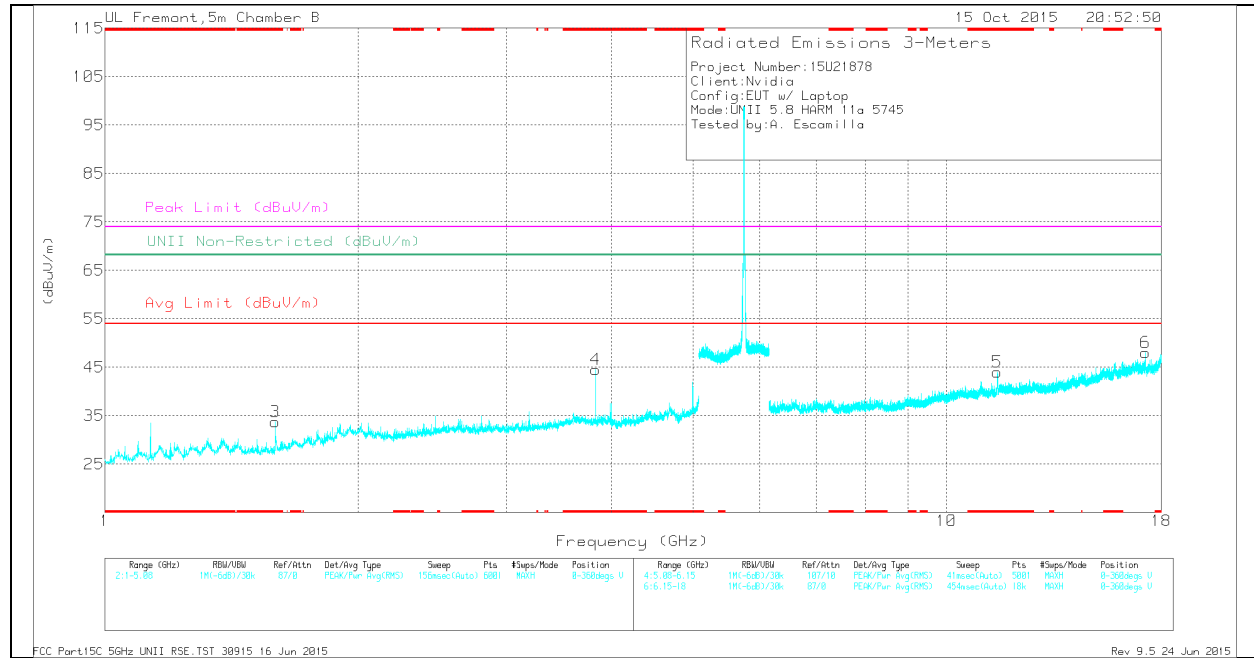
Pk - Peak detector

## HARMONICS AND SPURIOUS EMISSIONS



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

### LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

## LOW CHANNEL DATA

### TRACE MARKERS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T345 (dB/m) | Amp/Chl/ Filt/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 1.133         | 38.41                | Pk  | 27.9           | -35.5                  | 0            | 30.81                      | -                  | -           | 74                  | -43.19         | -                            | -              | 0-360          | 101         | H        |
| 3      | * 1.593         | 40.29                | Pk  | 28.8           | -35.3                  | 0            | 33.79                      | -                  | -           | 74                  | -40.21         | -                            | -              | 0-360          | 101         | V        |
| 5      | * 11.487        | 31.2                 | Pk  | 38.2           | -25.4                  | 0            | 44                         | -                  | -           | 74                  | -30            | -                            | -              | 0-360          | 199         | V        |
| 4      | * 3.83          | 44.12                | Pk  | 33.4           | -33                    | 0            | 44.52                      | -                  | -           | 74                  | -29.48         | -                            | -              | 0-360          | 101         | V        |
| 6      | 17.233          | 28.6                 | Pk  | 41.1           | -21.7                  | 0            | 48                         | -                  | -           | -                   | -              | 68.2                         | -20.2          | 0-360          | 199         | V        |
| 2      | 17.236          | 27.61                | Pk  | 41.1           | -21.7                  | 0            | 47.01                      | -                  | -           | -                   | -              | 68.2                         | -21.19         | 0-360          | 199         | H        |

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

Pk - Peak detector

### RADIATED EMISSIONS

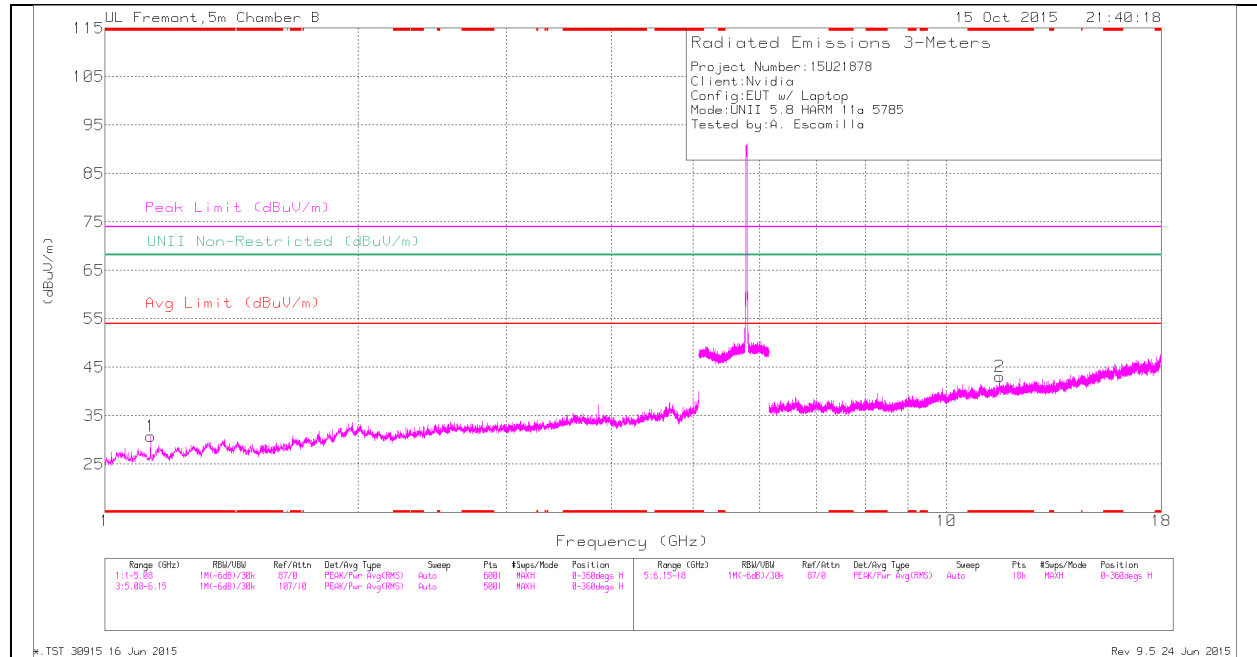
| Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T345 (dB/m) | Amp/Chl/ Filt/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|------|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| * 1.133         | 45.18                | PK-U | 27.9           | -35.5                  | 0            | 37.58                      | -                  | -           | 74                  | -36.42         | -                            | -              | 118            | 299         | H        |
| * 1.133         | 36.85                | ADR  | 27.9           | -35.5                  | .29          | 29.54                      | 54                 | -24.46      | -                   | -              | -                            | -              | 118            | 299         | H        |
| * 1.593         | 48.28                | PK-U | 28.8           | -35.3                  | 0            | 41.78                      | -                  | -           | 74                  | -32.22         | -                            | -              | 212            | 119         | V        |
| * 1.594         | 32.62                | ADR  | 28.8           | -35.3                  | .29          | 26.41                      | 54                 | -27.59      | -                   | -              | -                            | -              | 212            | 119         | V        |
| * 3.83          | 49.03                | PK-U | 33.4           | -33                    | 0            | 49.43                      | -                  | -           | 74                  | -24.57         | -                            | -              | 269            | 138         | V        |
| * 3.83          | 44.75                | ADR  | 33.4           | -33                    | .29          | 45.44                      | 54                 | -8.56       | -                   | -              | -                            | -              | 269            | 138         | V        |
| * 11.488        | 44.89                | PK-U | 38.2           | -25.4                  | 0            | 57.69                      | -                  | -           | 74                  | -16.31         | -                            | -              | 117            | 303         | V        |
| * 11.489        | 31.36                | ADR  | 38.3           | -25.4                  | .29          | 44.55                      | 54                 | -9.45       | -                   | -              | -                            | -              | 117            | 303         | V        |
| 17.231          | 27.41                | ADR  | 41.1           | -21.7                  | .29          | 47.1                       | -                  | -           | -                   | -              | -                            | -              | 75             | 382         | V        |
| 17.232          | 40.08                | PK-U | 41.1           | -21.7                  | 0            | 59.48                      | -                  | -           | -                   | -              | 68.2                         | -8.72          | 75             | 382         | V        |
| 17.236          | 24.52                | ADR  | 41.1           | -21.7                  | .29          | 44.21                      | -                  | -           | -                   | -              | -                            | -              | 112            | 392         | H        |
| 17.237          | 37.98                | PK-U | 41.1           | -21.7                  | 0            | 57.38                      | -                  | -           | -                   | -              | 68.2                         | -10.82         | 112            | 392         | H        |

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

PK-U - U-NII: Maximum Peak

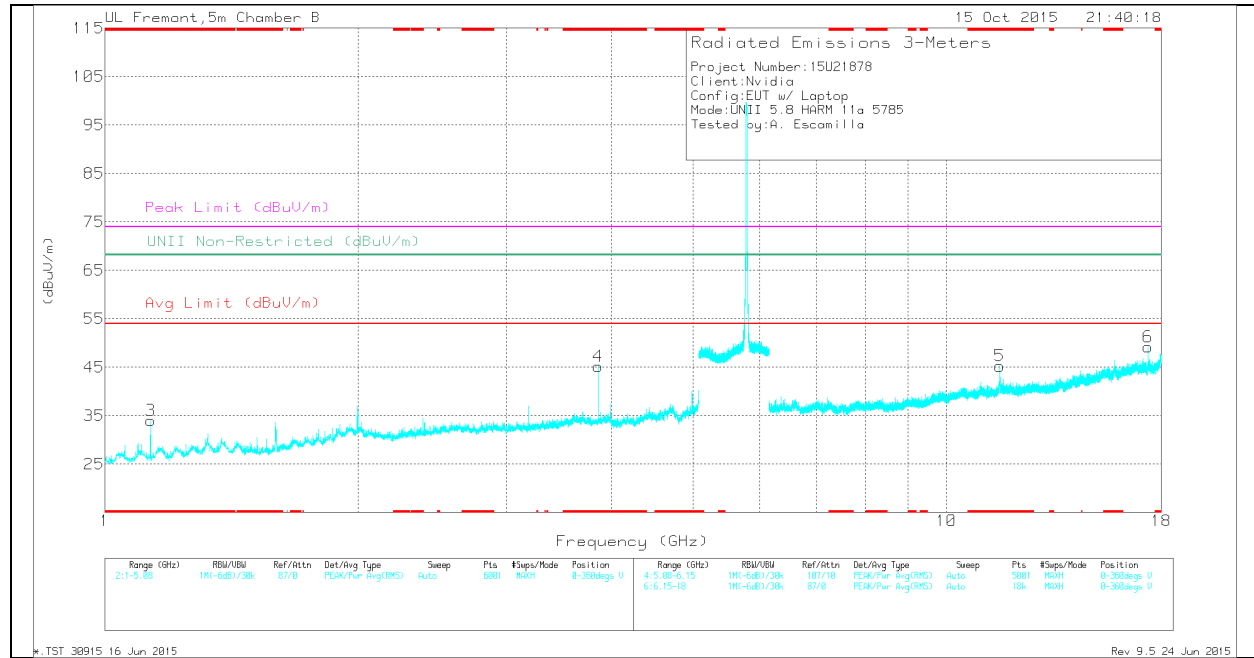
ADR - U-NII AD primary method, RMS average

### MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

### MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

## MID CHANNEL DATA

### TRACE MARKERS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T345 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 1.133         | 38.4                 | Pk  | 27.9           | -35.5                  | 0            | 30.8                       | -                  | -           | 74                  | -43.2          | -                            | -              | 0-360          | 101         | H        |
| 3      | * 1.133         | 41.58                | Pk  | 27.9           | -35.5                  | 0            | 33.98                      | -                  | -           | 74                  | -40.02         | -                            | -              | 0-360          | 101         | V        |
| 4      | * 3.857         | 44.7                 | Pk  | 33.4           | -32.9                  | 0            | 45.2                       | -                  | -           | 74                  | -28.8          | -                            | -              | 0-360          | 200         | V        |
| 2      | * 11.57         | 29.34                | Pk  | 38.4           | -24.6                  | 0            | 43.14                      | -                  | -           | 74                  | -30.86         | -                            | -              | 0-360          | 199         | H        |
| 5      | * 11.572        | 31.45                | Pk  | 38.4           | -24.6                  | 0            | 45.25                      | -                  | -           | 74                  | -28.75         | -                            | -              | 0-360          | 199         | V        |
| 6      | 17.359          | 29.5                 | Pk  | 40.8           | -21.1                  | 0            | 49.2                       | -                  | -           | -                   | -              | 68.2                         | -19            | 0-360          | 199         | V        |

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

Pk - Peak detector

### RADIATED EMISSIONS

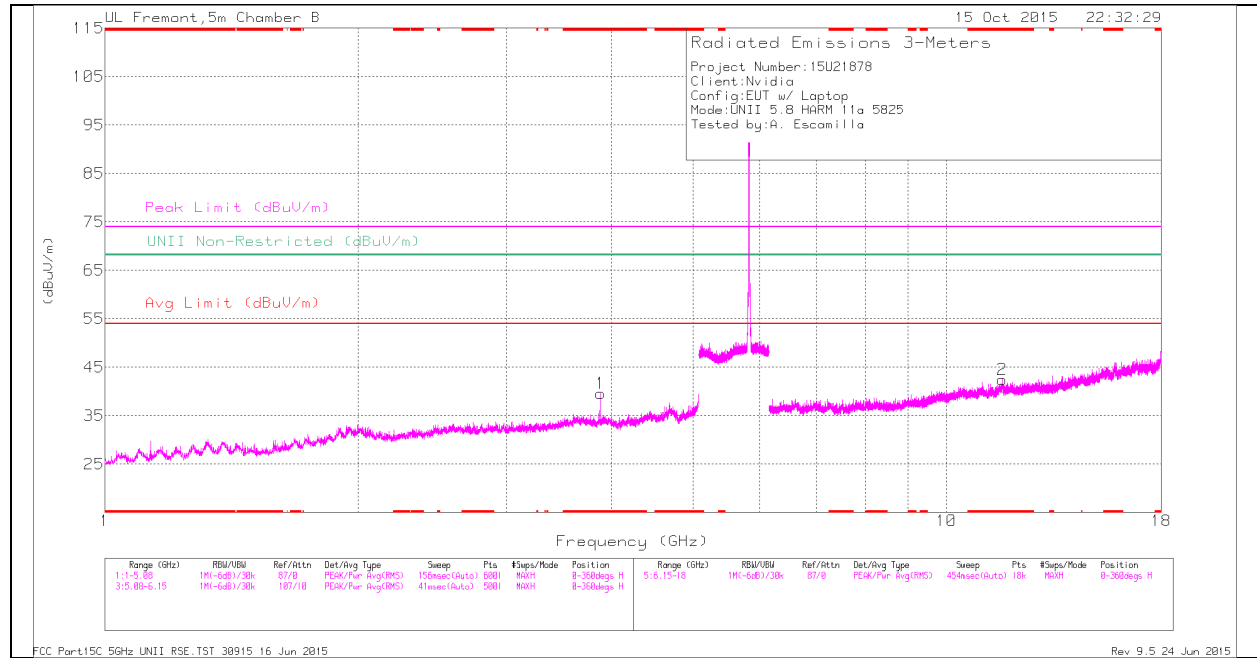
| Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T345 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|------|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| * 1.133         | 45.35                | PK-U | 27.9           | -35.5                  | 0            | 37.75                      | -                  | -           | 74                  | -36.25         | -                            | -              | 118            | 299         | H        |
| * 1.133         | 36.93                | ADR  | 27.9           | -35.5                  | .29          | 29.62                      | 54                 | -24.38      | -                   | -              | -                            | -              | 118            | 299         | H        |
| * 1.133         | 46.71                | PK-U | 27.9           | -35.5                  | 0            | 39.11                      | -                  | -           | 74                  | -34.89         | -                            | -              | 19             | 102         | V        |
| * 1.133         | 40.26                | ADR  | 27.9           | -35.5                  | .29          | 32.95                      | 54                 | -21.05      | -                   | -              | -                            | -              | 19             | 102         | V        |
| * 3.857         | 49.26                | PK-U | 33.4           | -32.9                  | 0            | 49.76                      | -                  | -           | 74                  | -24.24         | -                            | -              | 275            | 182         | V        |
| * 3.857         | 45.44                | ADR  | 33.4           | -32.9                  | .29          | 46.23                      | 54                 | -7.77       | -                   | -              | -                            | -              | 275            | 182         | V        |
| * 11.569        | 39.97                | PK-U | 38.4           | -24.6                  | 0            | 53.77                      | -                  | -           | 74                  | -20.23         | -                            | -              | 203            | 357         | H        |
| * 11.57         | 26.97                | ADR  | 38.4           | -24.6                  | .29          | 41.06                      | 54                 | -12.94      | -                   | -              | -                            | -              | 203            | 357         | H        |
| * 11.573        | 43.23                | PK-U | 38.4           | -24.5                  | 0            | 57.13                      | -                  | -           | 74                  | -16.87         | -                            | -              | 175            | 230         | V        |
| * 11.571        | 31.03                | ADR  | 38.4           | -24.6                  | .29          | 45.12                      | 54                 | -8.88       | -                   | -              | -                            | -              | 175            | 230         | V        |
| 17.357          | 25.31                | ADR  | 40.8           | -21.1                  | .29          | 45.3                       | -                  | -           | -                   | -              | -                            | -              | 72             | 384         | V        |
| 17.358          | 39.22                | PK-U | 40.8           | -21.1                  | 0            | 58.92                      | -                  | -           | -                   | -              | 68.2                         | -9.28          | 72             | 384         | V        |

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

PK-U - U-NII: Maximum Peak

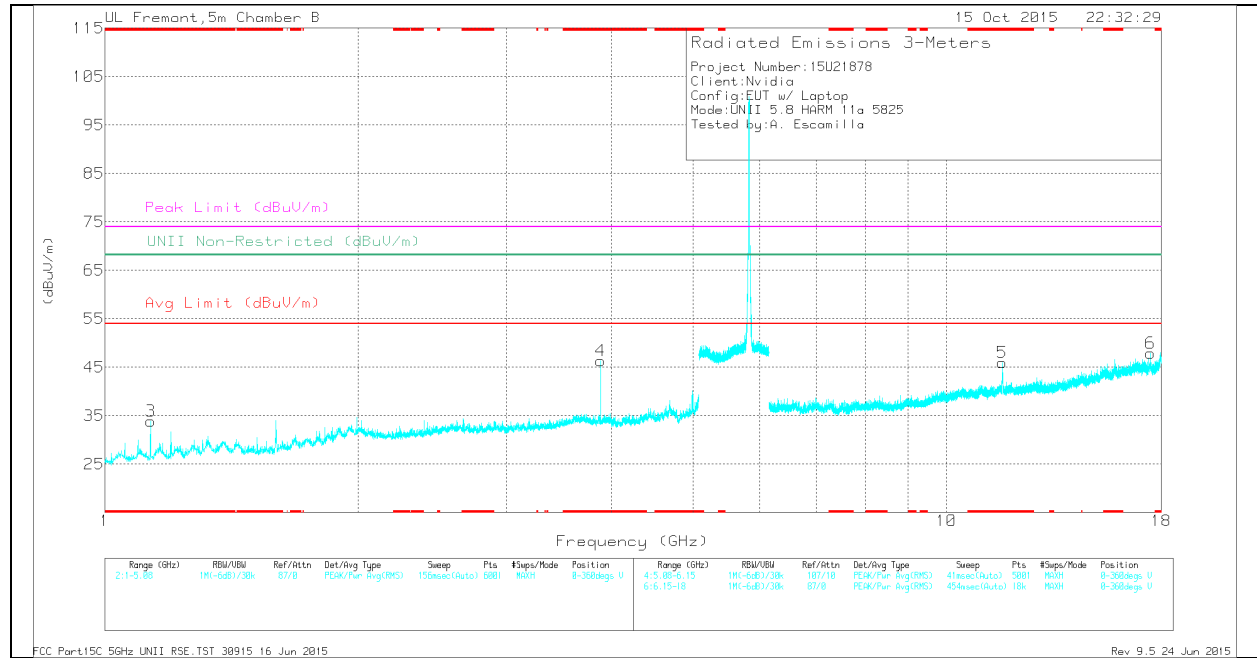
ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

# HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

## HIGH CHANNEL DATA

### TRACE MARKERS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T345 (dB/m) | Amp/Cbl/Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 3.883         | 38.75                | Pk  | 33.5           | -32.6                | 0            | 39.65                      | -                  | -           | 74                  | -34.35         | -                            | -              | 0-360          | 199         | H        |
| 3      | * 1.133         | 41.51                | Pk  | 27.9           | -35.5                | 0            | 33.91                      | -                  | -           | 74                  | -40.09         | -                            | -              | 0-360          | 200         | V        |
| 4      | * 3.883         | 45.4                 | Pk  | 33.5           | -32.6                | 0            | 46.3                       | -                  | -           | 74                  | -27.7          | -                            | -              | 0-360          | 200         | V        |
| 2      | * 11.655        | 28.83                | Pk  | 38.5           | -24.9                | 0            | 42.43                      | -                  | -           | 74                  | -31.57         | -                            | -              | 0-360          | 199         | H        |
| 5      | * 11.651        | 32.24                | Pk  | 38.5           | -24.8                | 0            | 45.94                      | -                  | -           | 74                  | -28.06         | -                            | -              | 0-360          | 199         | V        |
| 6      | 17.476          | 28.26                | Pk  | 40.7           | -21.1                | 0            | 47.86                      | -                  | -           | -                   | -              | 68.2                         | -20.34         | 0-360          | 199         | V        |

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

Pk - Peak detector

### RADIATED EMISSIONS

| Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T345 (dB/m) | Amp/Cbl/Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|------|----------------|----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| * 3.883         | 47.29                | PK-U | 33.5           | -32.6                | 0            | 48.19                      | -                  | -           | 74                  | -25.81         | -                            | -              | 231            | 339         | H        |
| * 3.883         | 41.84                | ADR  | 33.5           | -32.6                | .29          | 43.03                      | 54                 | -10.97      | -                   | -              | -                            | -              | 231            | 339         | H        |
| * 1.133         | 47.55                | PK-U | 27.9           | -35.5                | 0            | 39.95                      | -                  | -           | 74                  | -34.05         | -                            | -              | 263            | 259         | V        |
| * 1.133         | 41.75                | ADR  | 27.9           | -35.5                | .29          | 34.44                      | 54                 | -19.56      | -                   | -              | -                            | -              | 263            | 259         | V        |
| * 3.883         | 49.87                | PK-U | 33.5           | -32.6                | 0            | 50.77                      | -                  | -           | 74                  | -23.23         | -                            | -              | 273            | 229         | V        |
| * 3.883         | 44.94                | ADR  | 33.5           | -32.6                | .29          | 46.13                      | 54                 | -7.87       | -                   | -              | -                            | -              | 273            | 229         | V        |
| * 11.656        | 38.93                | PK-U | 38.5           | -24.9                | 0            | 52.53                      | -                  | -           | 74                  | -21.47         | -                            | -              | 208            | 356         | H        |
| * 11.653        | 27.42                | ADR  | 38.5           | -24.9                | .29          | 41.31                      | 54                 | -12.69      | -                   | -              | -                            | -              | 208            | 356         | H        |
| * 11.649        | 44.32                | PK-U | 38.5           | -24.8                | 0            | 58.02                      | -                  | -           | 74                  | -15.98         | -                            | -              | 170            | 228         | V        |
| * 11.651        | 31.62                | ADR  | 38.5           | -24.8                | .29          | 45.61                      | 54                 | -8.39       | -                   | -              | -                            | -              | 170            | 228         | V        |
| 17.475          | 25.45                | ADR  | 40.7           | -21.1                | .29          | 45.34                      | -                  | -           | -                   | -              | -                            | -              | 205            | 228         | V        |
| 17.478          | 38.11                | PK-U | 40.7           | -21.1                | 0            | 57.71                      | -                  | -           | -                   | -              | 68.2                         | -10.49         | 205            | 228         | V        |

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

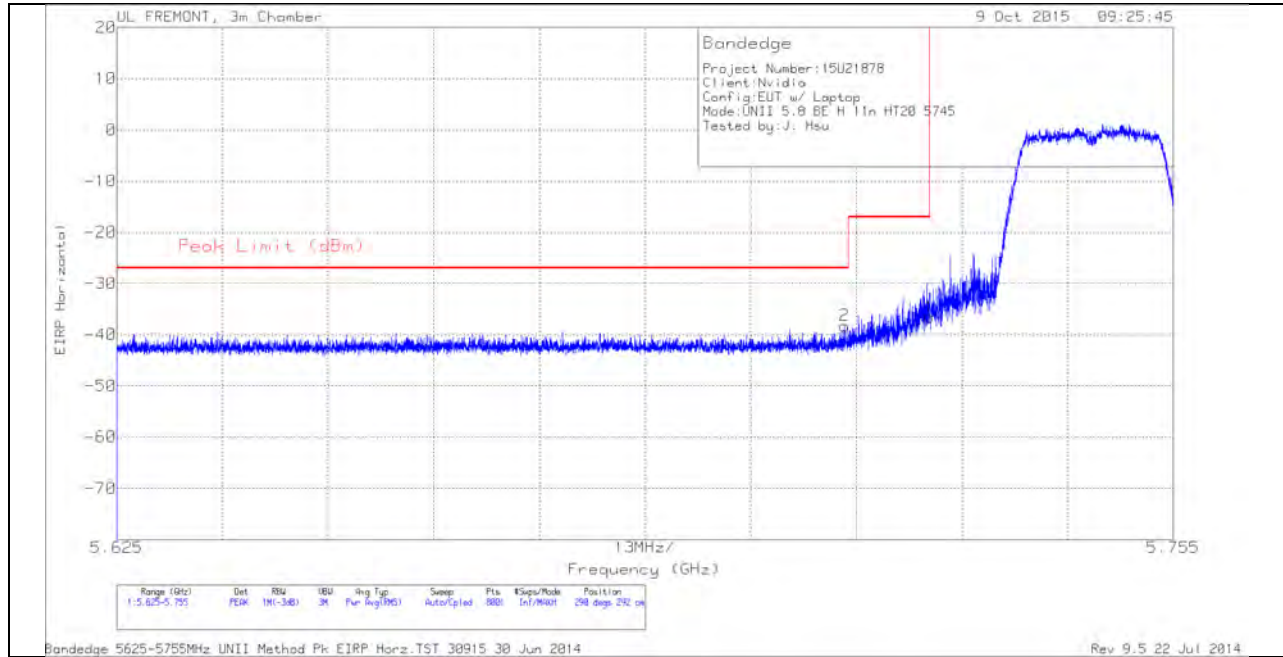
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

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

#### RESTRICTED BANDEDGE (LOW CHANNEL)

##### HORIZONTAL PEAK AND AVERAGE PLOT

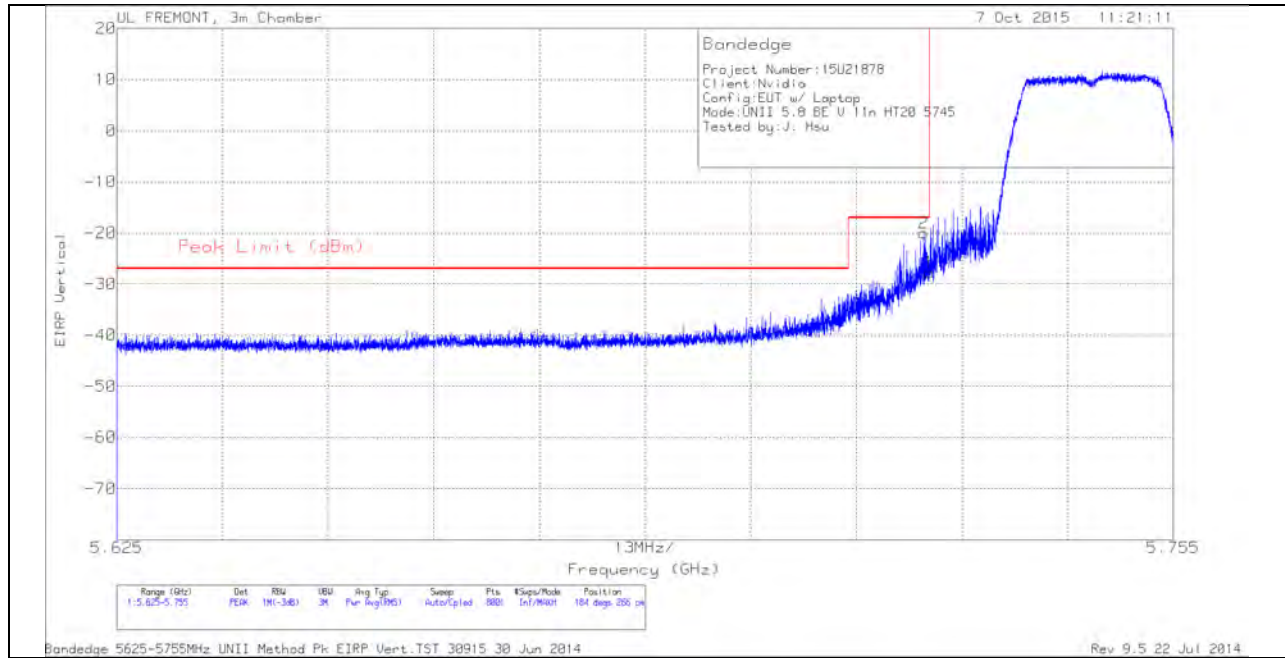


##### HORIZONTAL DATA

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T119 (dB/m) | Amp/Cbl/F ltr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 2      | 5.715           | -64.54              | PK  | 34.8           | -20.3                  | 11.8                   | -38.24                 | -27              | -11.24         | 290            | 292         | H        |
| 1      | 5.725           | -62.83              | PK  | 34.8           | -20.3                  | 11.8                   | -36.53                 | -17              | -19.53         | 290            | 292         | H        |

PK - Peak detector

### VERTICAL PEAK AND AVERAGE PLOT



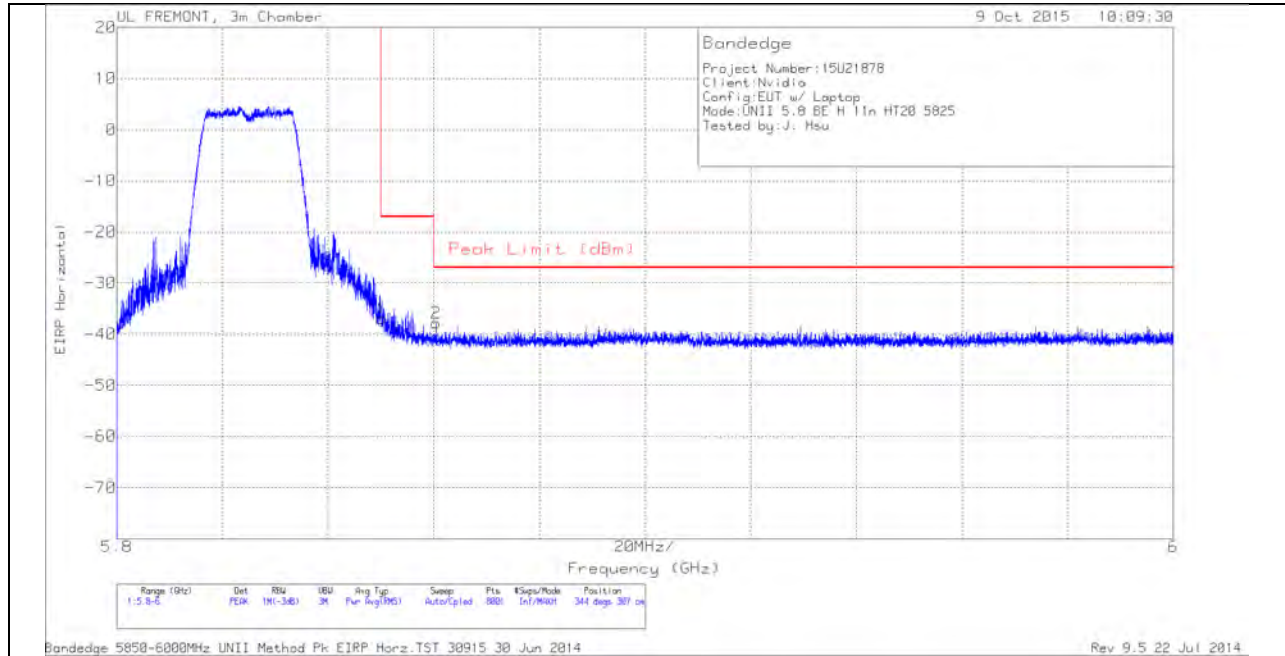
### VERTICAL DATA

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T119 (dB/m) | Amp/Cbl/F ltr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 2      | 5.724           | -46.32              | PK  | 34.8           | -20.3                  | 11.8                   | -20.02                 | -17              | -3.02          | 184            | 266         | V        |
| 1      | 5.725           | -54.04              | PK  | 34.8           | -20.3                  | 11.8                   | -27.74                 | -17              | -10.74         | 184            | 266         | V        |

PK - Peak detector

## AUTHORIZED BANDEDGE (HIGH CHANNEL)

### HORIZONTAL PEAK AND AVERAGE PLOT

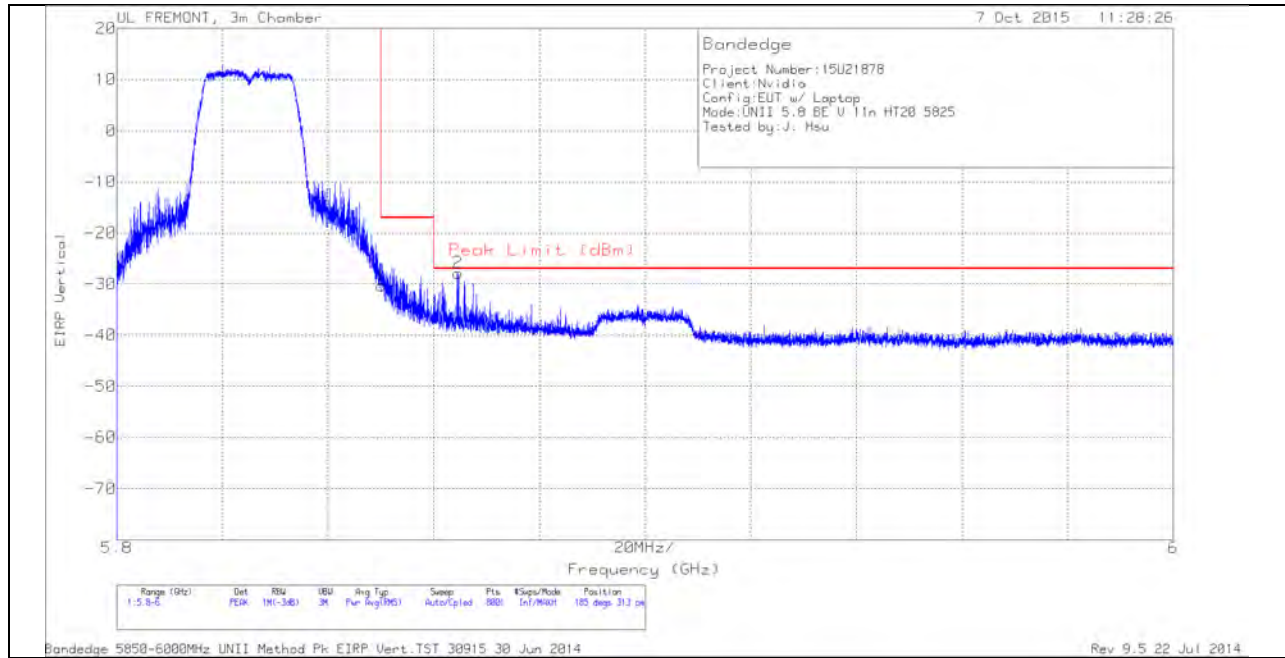


### HORIZONTAL DATA

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T119 (dB/m) | Amp/Cbl/F ltr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -63.03              | PK  | 34.9           | -20.6                  | 11.8                   | -36.93                 | -17              | -19.93         | 344            | 307         | H        |
| 2      | 5.86            | -64.03              | PK  | 34.9           | -20.5                  | 11.8                   | -37.83                 | -27              | -10.83         | 344            | 307         | H        |

PK - Peak detector

### VERTICAL PEAK AND AVERAGE PLOT

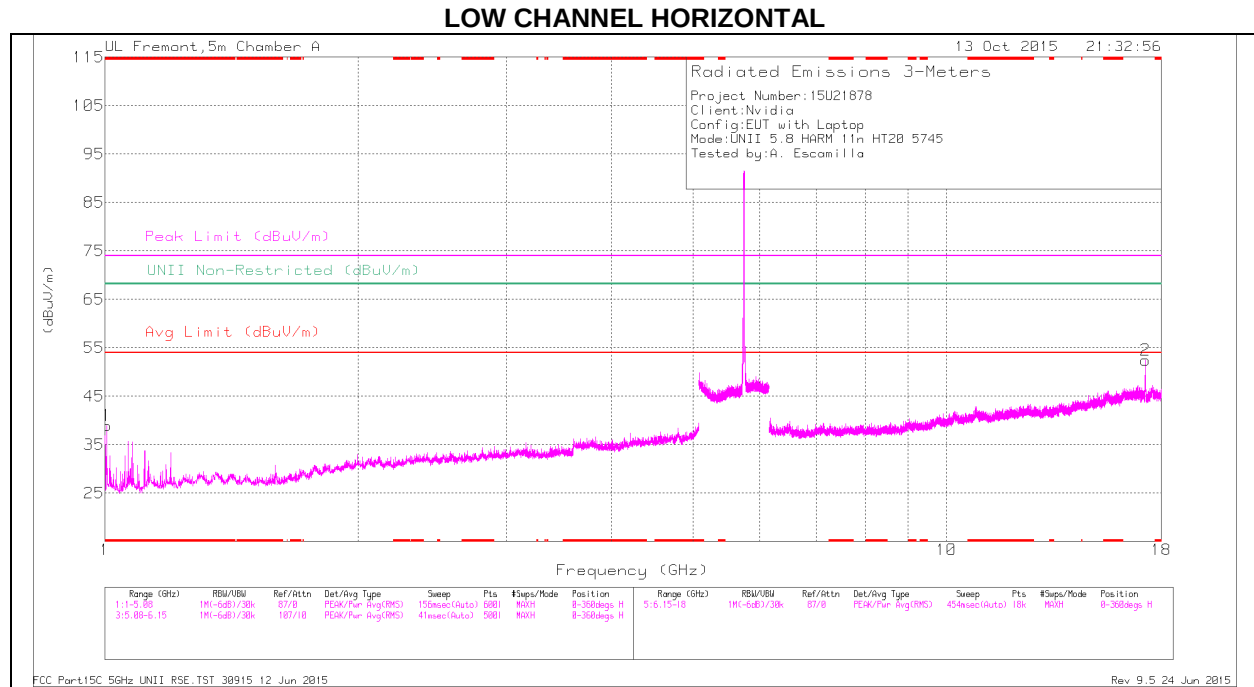


### VERTICAL DATA

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T119 (dB/m) | Amp/Cbl/F ltr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -56.46              | PK  | 34.9           | -20.6                  | 11.8                   | -30.36                 | -17              | -13.36         | 185            | 313         | V        |
| 2      | 5.865           | -54                 | PK  | 34.9           | -20.5                  | 11.8                   | -27.8                  | -27              | -.8            | 185            | 313         | V        |

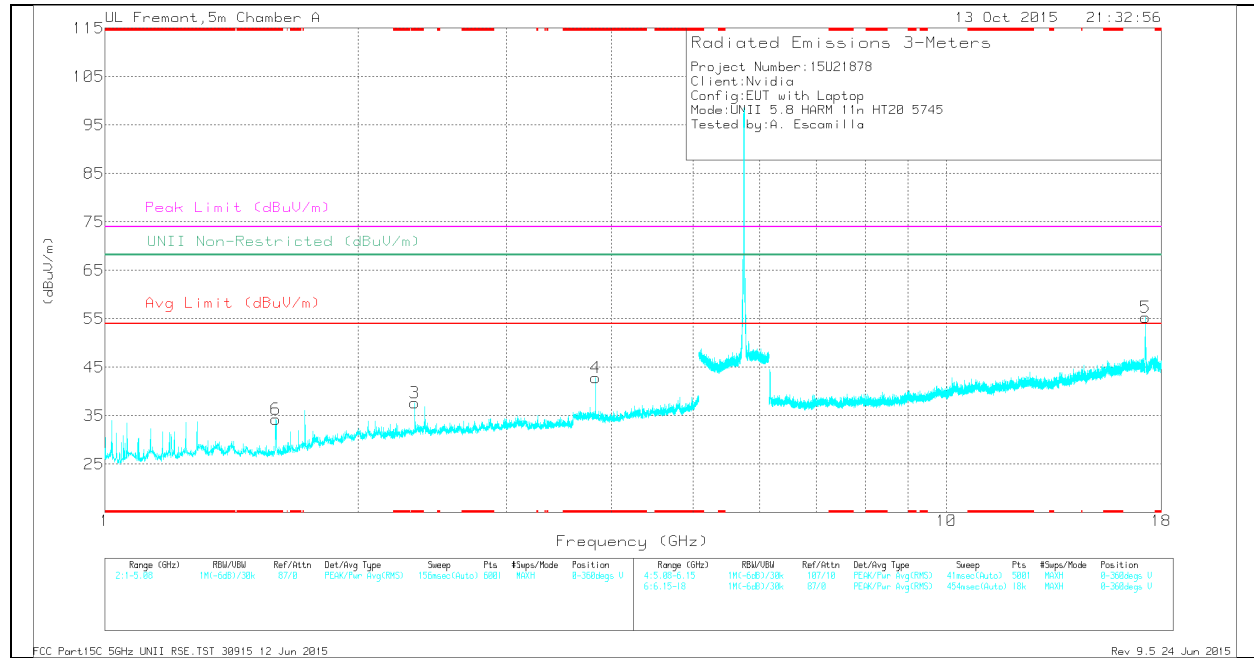
PK - Peak detector

## HARMONICS AND SPURIOUS EMISSIONS



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

### LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

## LOW CHANNEL DATA

### TRACE MARKERS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/Cbl/Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 1.005         | 47.8                 | Pk  | 27             | -35.9                | 0            | 38.9                       | -                  | -           | 74                  | -35.1          | 68.2                         | -29.3          | 0-360          | 201         | H        |
| 3      | * 2.335         | 39.9                 | Pk  | 31.9           | -34.1                | 0            | 37.7                       | -                  | -           | 74                  | -36.3          | 68.2                         | -30.5          | 0-360          | 200         | V        |
| 4      | * 3.83          | 41.27                | Pk  | 33.4           | -31.8                | 0            | 42.87                      | -                  | -           | 74                  | -31.13         | 68.2                         | -25.33         | 0-360          | 200         | V        |
| 6      | * 1.595         | 41.82                | Pk  | 27.9           | -35.5                | 0            | 34.22                      | -                  | -           | 74                  | -39.78         | 68.2                         | -33.98         | 0-360          | 200         | V        |
| 2      | 17.229          | 34.11                | Pk  | 41.3           | -23                  | 0            | 52.41                      | -                  | -           | 74                  | -21.59         | 68.2                         | -15.79         | 0-360          | 201         | H        |
| 5      | 17.239          | 37.06                | Pk  | 41.3           | -23                  | 0            | 55.36                      | -                  | -           | 74                  | -18.64         | 68.2                         | -12.84         | 0-360          | 200         | V        |

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

Pk - Peak detector

### RADIATED EMISSIONS

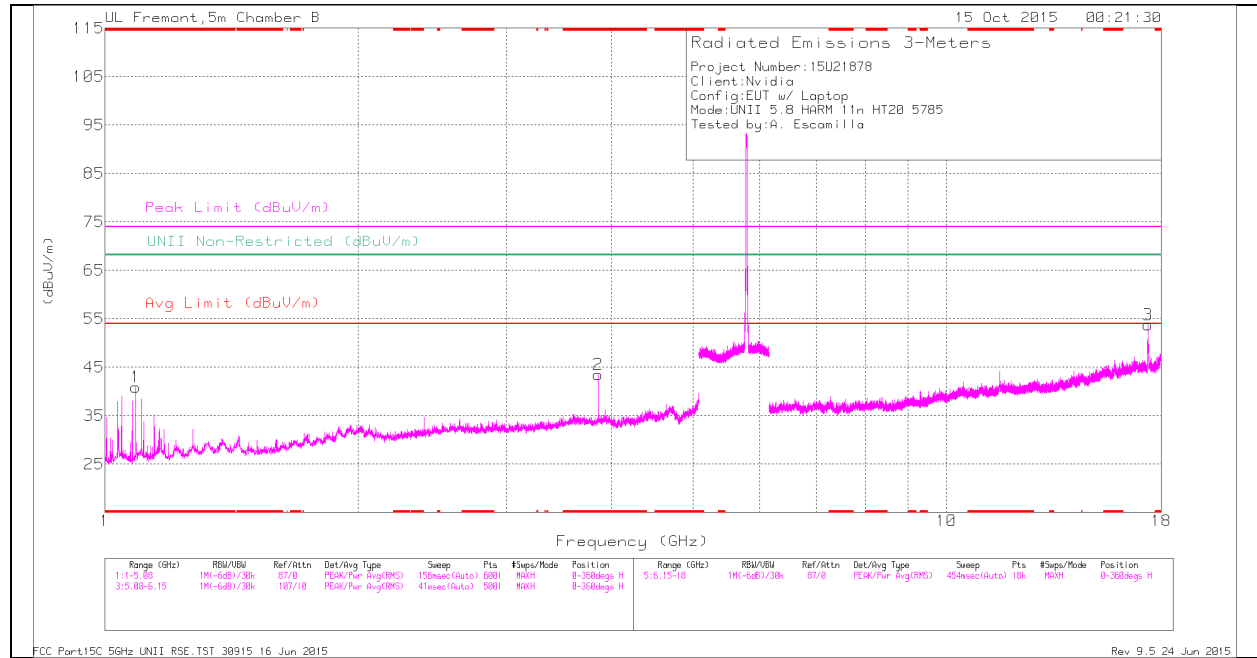
| Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T136 (dB/m) | Amp/Cbl/Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|------|----------------|----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| * 1.005         | 61.58                | PK-U | 27             | -35.9                | 0            | 52.68                      | -                  | -           | 74                  | -21.32         | 68.2                         | -15.52         | 134            | 216         | H        |
| * 1.007         | 33.21                | ADR  | 27             | -35.9                | .6           | 24.91                      | 54                 | -29.09      | -                   | -              | -                            | -              | 134            | 216         | H        |
| * 2.335         | 46.06                | PK-U | 31.9           | -34.1                | 0            | 43.86                      | -                  | -           | 74                  | -30.14         | 68.2                         | -24.34         | 261            | 209         | V        |
| * 2.335         | 37.16                | ADR  | 31.9           | -34.1                | .6           | 35.56                      | 54                 | -18.44      | -                   | -              | -                            | -              | 261            | 209         | V        |
| * 3.83          | 47.84                | PK-U | 33.4           | -31.8                | 0            | 49.44                      | -                  | -           | 74                  | -24.56         | 68.2                         | -18.76         | 218            | 247         | V        |
| * 3.83          | 43.22                | ADR  | 33.4           | -31.8                | .6           | 45.42                      | 54                 | -8.58       | -                   | -              | -                            | -              | 218            | 247         | V        |
| * 1.594         | 51.16                | PK-U | 27.9           | -35.5                | 0            | 43.56                      | -                  | -           | 74                  | -30.44         | 68.2                         | -24.64         | 211            | 181         | V        |
| * 1.593         | 33.94                | ADR  | 27.9           | -35.5                | .6           | 26.94                      | 54                 | -27.06      | -                   | -              | -                            | -              | 211            | 181         | V        |
| 17.23           | 42.37                | PK-U | 41.3           | -23                  | 0            | 60.67                      | -                  | -           | 74                  | -13.33         | 68.2                         | -7.53          | 170            | 231         | H        |
| 17.231          | 29.21                | ADR  | 41.3           | -23                  | .6           | 48.11                      | 54                 | -5.89       | -                   | -              | -                            | -              | 170            | 231         | H        |
| 17.238          | 47.93                | PK-U | 41.3           | -23                  | 0            | 66.23                      | -                  | -           | 74                  | -7.77          | 68.2                         | -1.97          | 357            | 277         | V        |
| 17.238          | 33.09                | ADR  | 41.3           | -23                  | .6           | 51.99                      | 54                 | -2.01       | -                   | -              | -                            | -              | 357            | 277         | V        |

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

PK-U - U-NII: Maximum Peak

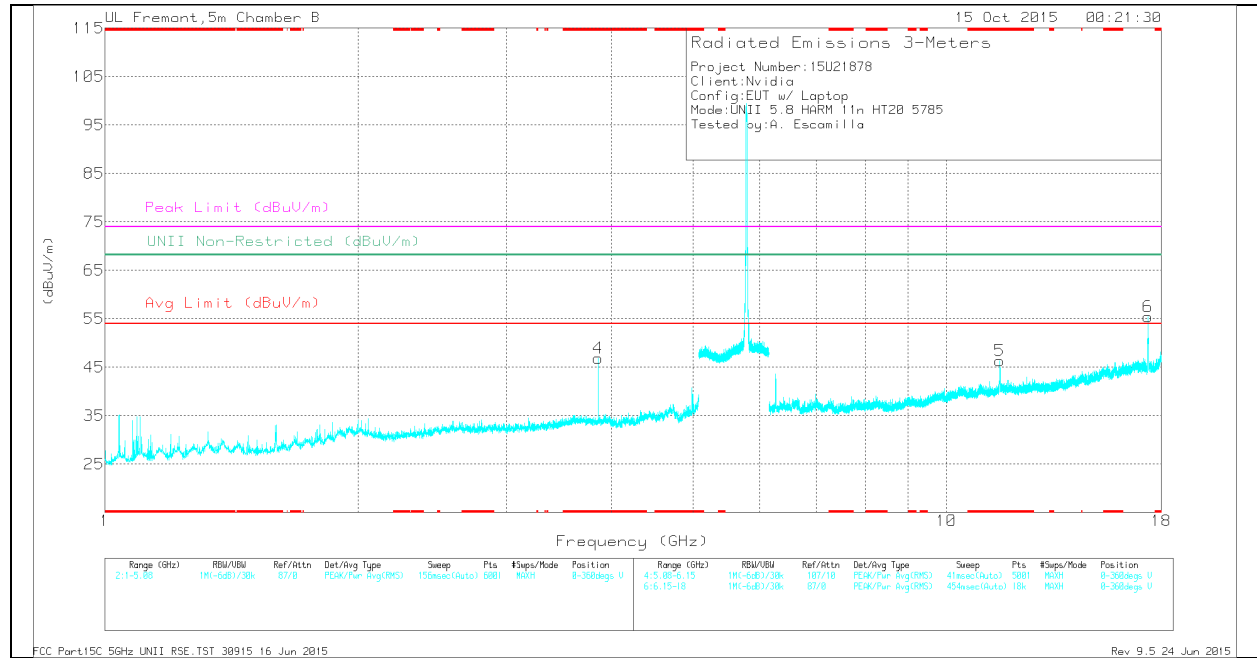
ADR - U-NII AD primary method, RMS average

### MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

### MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

## MID CHANNEL DATA

### TRACE MARKERS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T345 (dB/m) | Amp/Cbl/Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 1.088         | 48.86                | Pk  | 27.6           | -35.6                | 0            | 40.86                      | -                  | -           | 74                  | -33.14         | -                            | -              | 0-360          | 101         | H        |
| 2      | * 3.857         | 43.03                | Pk  | 33.4           | -32.9                | 0            | 43.53                      | -                  | -           | 74                  | -30.47         | -                            | -              | 0-360          | 101         | H        |
| 4      | * 3.857         | 46.32                | Pk  | 33.4           | -32.9                | 0            | 46.82                      | -                  | -           | 74                  | -27.18         | -                            | -              | 0-360          | 101         | V        |
| 5      | * 11.57         | 32.56                | Pk  | 38.4           | -24.6                | 0            | 46.36                      | -                  | -           | 74                  | -27.64         | -                            | -              | 0-360          | 199         | V        |
| 6      | 17.355          | 35.79                | Pk  | 40.8           | -21.2                | 0            | 55.39                      | -                  | -           | -                   | -              | 68.2                         | -12.81         | 0-360          | 199         | V        |
| 3      | 17.356          | 34.19                | Pk  | 40.8           | -21.2                | 0            | 53.79                      | -                  | -           | -                   | -              | 68.2                         | -14.41         | 0-360          | 199         | H        |

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

### RADIATED EMISSIONS

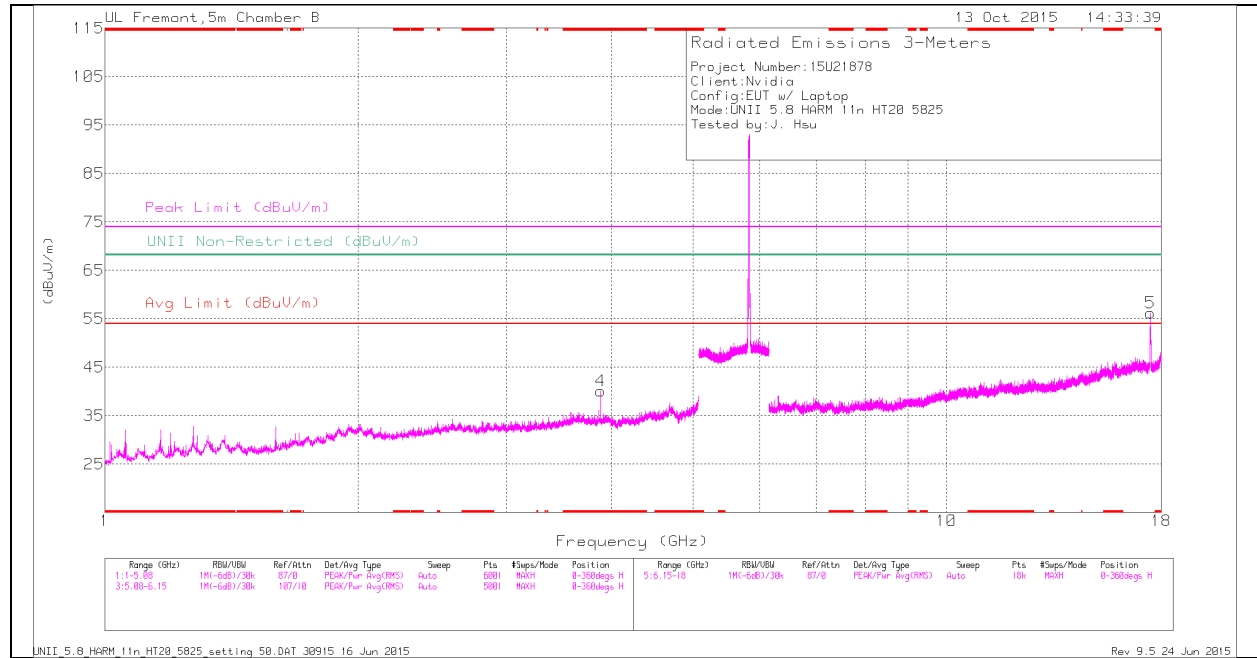
| Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T345 (dB/m) | Amp/Cbl/Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|------|----------------|----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| * 1.089         | 61.88                | PK-U | 27.6           | -35.6                | 0            | 53.88                      | -                  | -           | 74                  | -20.12         | -                            | -              | 4              | 223         | H        |
| * 1.088         | 32.47                | ADR  | 27.6           | -35.6                | .6           | 25.07                      | 54                 | -28.93      | -                   | -              | -                            | -              | 4              | 223         | H        |
| * 3.857         | 48.04                | PK-U | 33.4           | -32.9                | 0            | 48.54                      | -                  | -           | 74                  | -25.46         | -                            | -              | 7              | 117         | H        |
| * 3.857         | 42.46                | ADR  | 33.4           | -32.9                | .6           | 43.56                      | 54                 | -10.44      | -                   | -              | -                            | -              | 7              | 117         | H        |
| * 3.856         | 50.48                | PK-U | 33.4           | -32.9                | 0            | 50.98                      | -                  | -           | 74                  | -23.02         | -                            | -              | 6              | 134         | V        |
| * 3.857         | 47.05                | ADR  | 33.4           | -32.9                | .6           | 48.15                      | 54                 | -5.85       | -                   | -              | -                            | -              | 6              | 134         | V        |
| * 11.572        | 43.69                | PK-U | 38.4           | -24.6                | 0            | 57.49                      | -                  | -           | 74                  | -16.51         | -                            | -              | 87             | 343         | V        |
| * 11.571        | 30.98                | ADR  | 38.4           | -24.6                | .6           | 45.38                      | 54                 | -8.62       | -                   | -              | -                            | -              | 87             | 343         | V        |
| 17.353          | 47.53                | PK-U | 40.8           | -21.3                | 0            | 67.03                      | -                  | -           | -                   | -              | 68.2                         | -1.17          | 253            | 223         | V        |
| 17.353          | 33.77                | ADR  | 40.8           | -21.3                | .6           | 53.87                      | -                  | -           | -                   | -              | -                            | -              | 253            | 223         | V        |
| 17.355          | 33.71                | ADR  | 40.8           | -21.2                | .6           | 53.91                      | -                  | -           | -                   | -              | -                            | -              | 117            | 330         | H        |
| 17.358          | 46.35                | PK-U | 40.8           | -21.1                | 0            | 66.05                      | -                  | -           | -                   | -              | 68.2                         | -2.15          | 117            | 330         | H        |

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

PK-U - U-NII: Maximum Peak

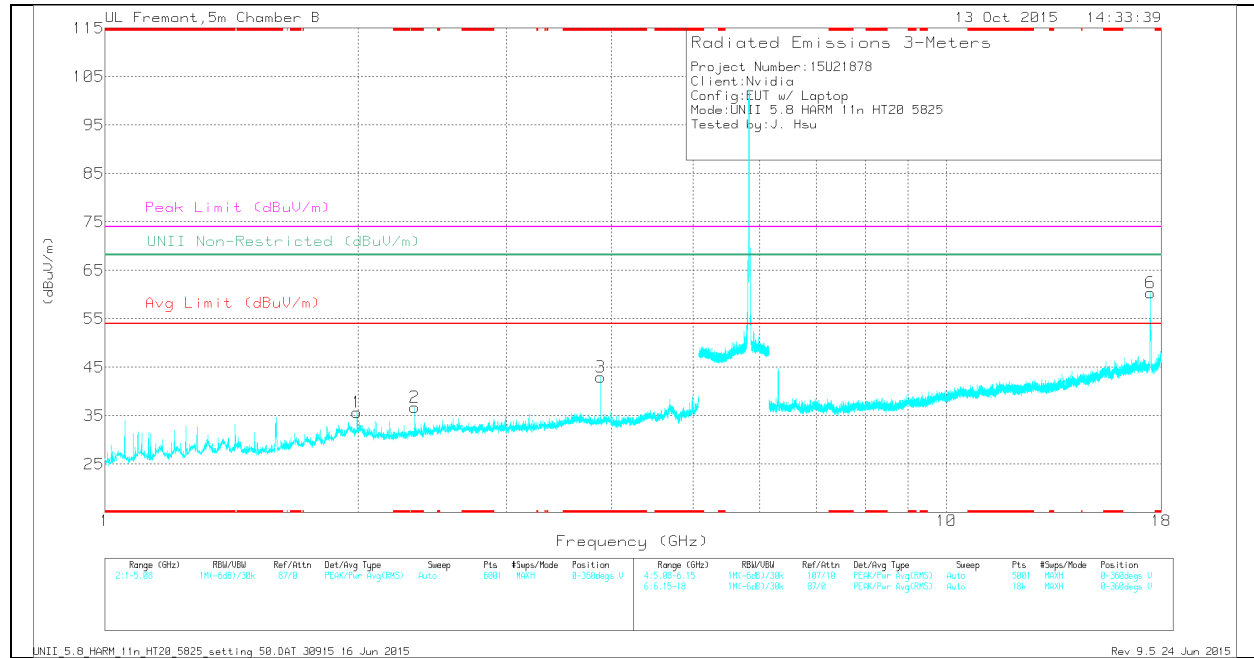
ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

### HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

## HIGH CHANNEL DATA

### TRACE MARKERS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T345 (dB/m) | Amp/Chl/ Filt/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 4      | * 3.883         | 39.24                | Pk  | 33.5           | -32.6                  | 0            | 40.14                      | -                  | -           | 74                  | -33.86         | -                            | -              | 0-360          | 199         | H        |
| 2      | * 2.335         | 39.11                | Pk  | 31.7           | -34.1                  | 0            | 36.71                      | -                  | -           | 74                  | -37.29         | -                            | -              | 0-360          | 200         | V        |
| 3      | * 3.883         | 42.07                | Pk  | 33.5           | -32.6                  | 0            | 42.97                      | -                  | -           | 74                  | -31.03         | -                            | -              | 0-360          | 200         | V        |
| 1      | 1.993           | 37.33                | Pk  | 32.3           | -33.9                  | 0            | 35.73                      | -                  | -           | -                   | -              | 68.2                         | -32.47         | 0-360          | 101         | V        |
| 5      | 17.473          | 36.61                | Pk  | 40.7           | -21.1                  | 0            | 56.21                      | -                  | -           | -                   | -              | 68.2                         | -11.99         | 0-360          | 199         | H        |
| 6      | 17.477          | 40.75                | Pk  | 40.7           | -21.1                  | 0            | 60.35                      | -                  | -           | -                   | -              | 68.2                         | -7.85          | 0-360          | 199         | V        |

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

Pk - Peak detector

### RADIATED EMISSIONS

| Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T345 (dB/m) | Amp/Chl/ Filt/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|------|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| * 3.884         | 42.48                | PK-U | 33.5           | -32.6                  | 0            | 43.38                      | -                  | -           | 74                  | -30.62         | -                            | -              | 1              | 101         | H        |
| * 3.883         | 30.98                | ADR  | 33.5           | -32.6                  | .6           | 32.48                      | 54                 | -21.52      | -                   | -              | -                            | -              | 1              | 101         | H        |
| * 2.335         | 46.77                | PK-U | 31.7           | -34.1                  | 0            | 44.37                      | -                  | -           | 74                  | -29.63         | -                            | -              | 312            | 237         | V        |
| * 2.335         | 38.74                | ADR  | 31.7           | -34.1                  | .6           | 36.94                      | 54                 | -17.06      | -                   | -              | -                            | -              | 312            | 237         | V        |
| * 3.883         | 49.58                | PK-U | 33.5           | -32.6                  | 0            | 50.48                      | -                  | -           | 74                  | -23.52         | -                            | -              | 248            | 232         | V        |
| * 3.883         | 45.52                | ADR  | 33.5           | -32.6                  | .6           | 47.02                      | 54                 | -6.98       | -                   | -              | -                            | -              | 248            | 232         | V        |
| 1.994           | 43.51                | PK-U | 32.3           | -33.9                  | 0            | 41.91                      | -                  | -           | -                   | -              | 68.2                         | -26.29         | 1              | 101         | V        |
| 1.994           | 30.8                 | ADR  | 32.3           | -33.9                  | .6           | 29.8                       | -                  | -           | -                   | -              | -                            | -              | 1              | 101         | V        |
| 17.469          | 46.89                | PK-U | 40.7           | -21.1                  | 0            | 66.49                      | -                  | -           | -                   | -              | 68.2                         | -1.71          | 97             | 354         | V        |
| 17.473          | 47.6                 | PK-U | 40.7           | -21.1                  | 0            | 67.2                       | -                  | -           | -                   | -              | 68.2                         | -1             | 124            | 318         | H        |
| 17.473          | 34.4                 | ADR  | 40.7           | -21.1                  | .6           | 54.6                       | -                  | -           | -                   | -              | -                            | -              | 124            | 318         | H        |
| 17.473          | 33.72                | ADR  | 40.7           | -21.1                  | .6           | 53.92                      | -                  | -           | -                   | -              | -                            | -              | 97             | 354         | V        |

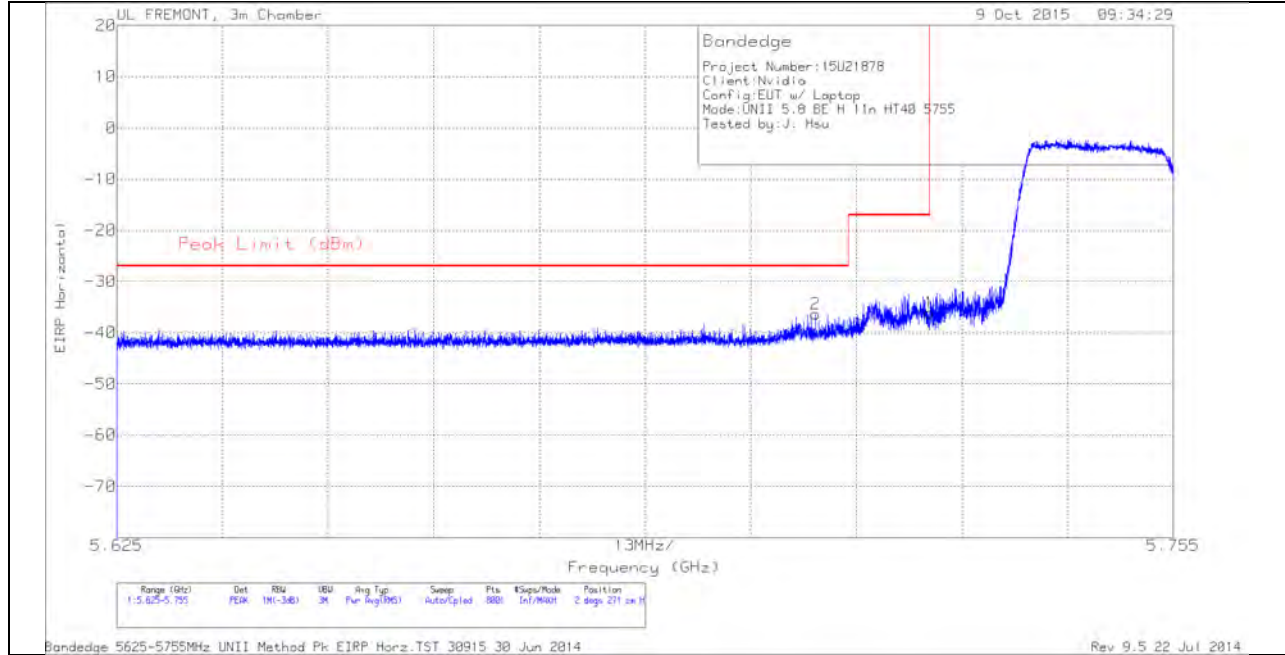
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

# **10.4.4. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.8 GHz BAND** **RESTRICTED BANDEDGE (LOW CHANNEL)**

## **HORIZONTAL PEAK AND AVERAGE PLOT**

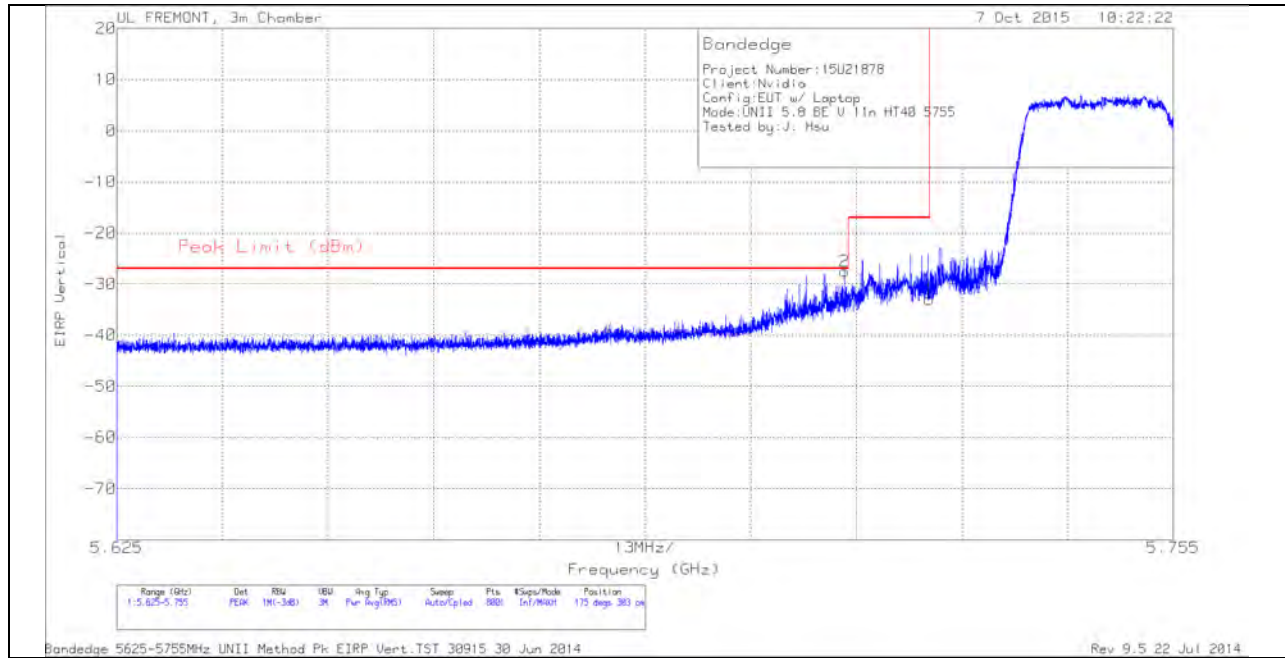


## **HORIZONTAL DATA**

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T119 (dB/m) | Amp/Cbl/F ltr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 2      | 5.711           | -62.53              | PK  | 34.8           | -20.4                  | 11.8                   | -36.33                 | -27              | -9.33          | 2              | 271         | H        |
| 1      | 5.725           | -62.4               | PK  | 34.8           | -20.3                  | 11.8                   | -36.1                  | -17              | -19.1          | 2              | 271         | H        |

PK - Peak detector

### VERTICAL PEAK AND AVERAGE PLOT



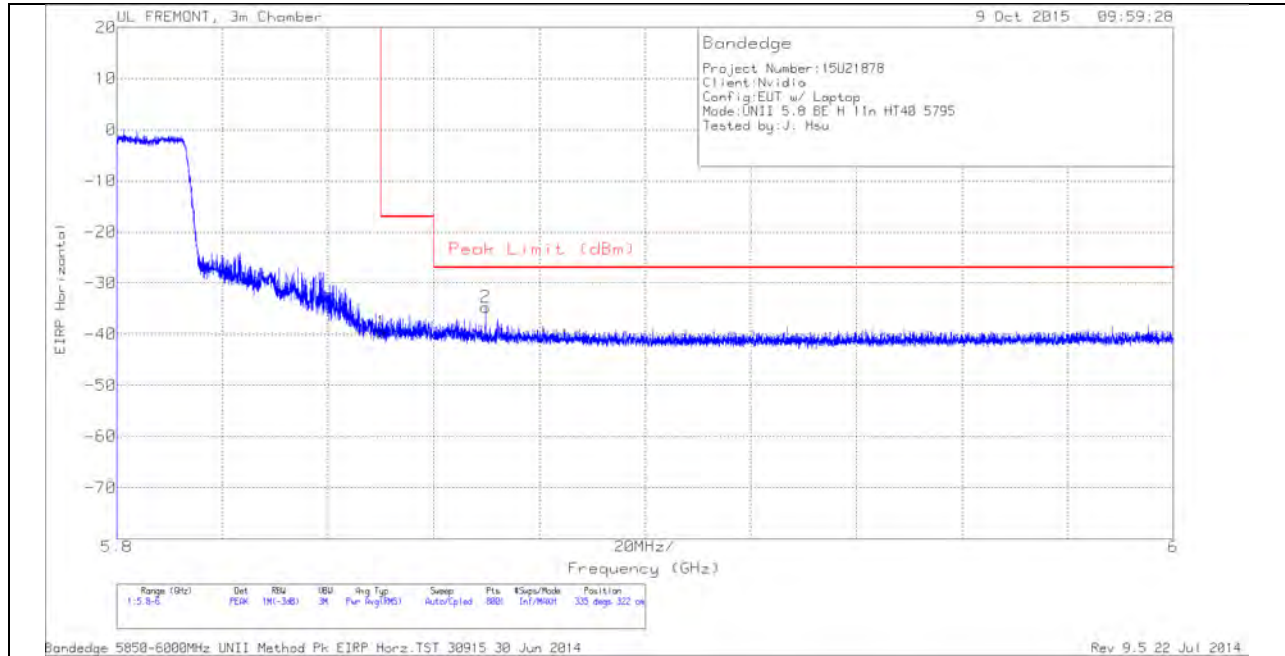
### VERTICAL DATA

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T119 (dB/m) | Amp/Cbl/F ltr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 2      | 5.715           | -53.75              | PK  | 34.8           | -20.3                  | 11.8                   | -27.45                 | -27              | -.45           | 175            | 303         | V        |
| 1      | 5.725           | -59.34              | PK  | 34.8           | -20.3                  | 11.8                   | -33.04                 | -17              | -16.04         | 175            | 303         | V        |

PK - Peak detector

## AUTHORIZED BANDEDGE (HIGH CHANNEL)

### HORIZONTAL PEAK AND AVERAGE PLOT

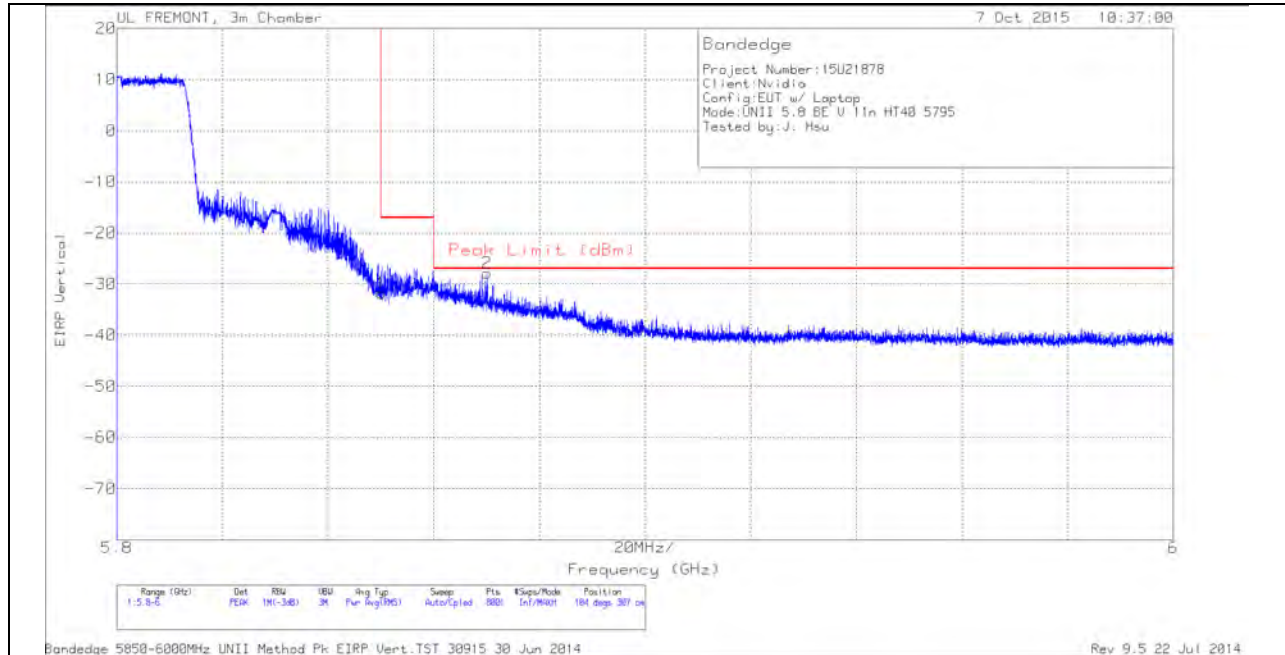


### HORIZONTAL DATA

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T119 (dB/m) | Amp/Cbl/F ltr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -65.58              | PK  | 34.9           | -20.6                  | 11.8                   | -39.48                 | -17              | -22.48         | 335            | 322         | H        |
| 2      | 5.87            | -60.88              | PK  | 34.9           | -20.5                  | 11.8                   | -34.68                 | -27              | -7.68          | 335            | 322         | H        |

PK - Peak detector

### VERTICAL PEAK AND AVERAGE PLOT

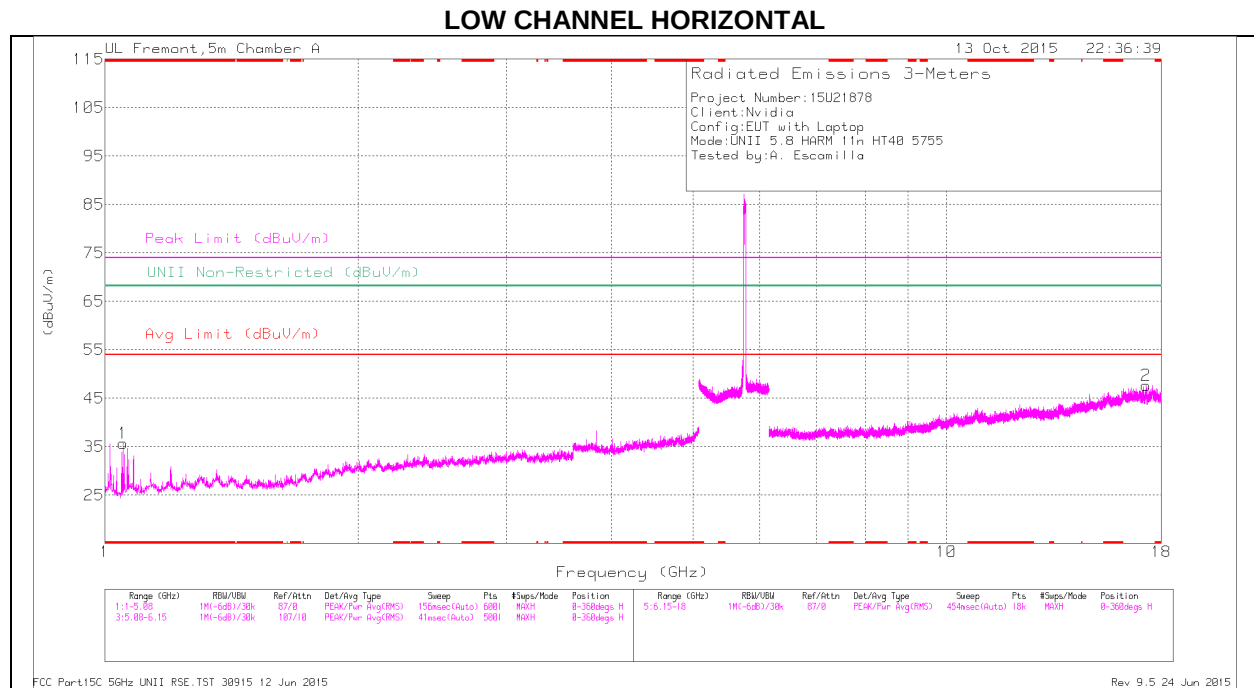


### VERTICAL DATA

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T119 (dB/m) | Amp/Cbl/F ltr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -57.88              | PK  | 34.9           | -20.6                  | 11.8                   | -31.78                 | -17              | -14.78         | 104            | 307         | V        |
| 2      | 5.87            | -54.08              | PK  | 34.9           | -20.5                  | 11.8                   | -27.88                 | -27              | -.88           | 104            | 307         | V        |

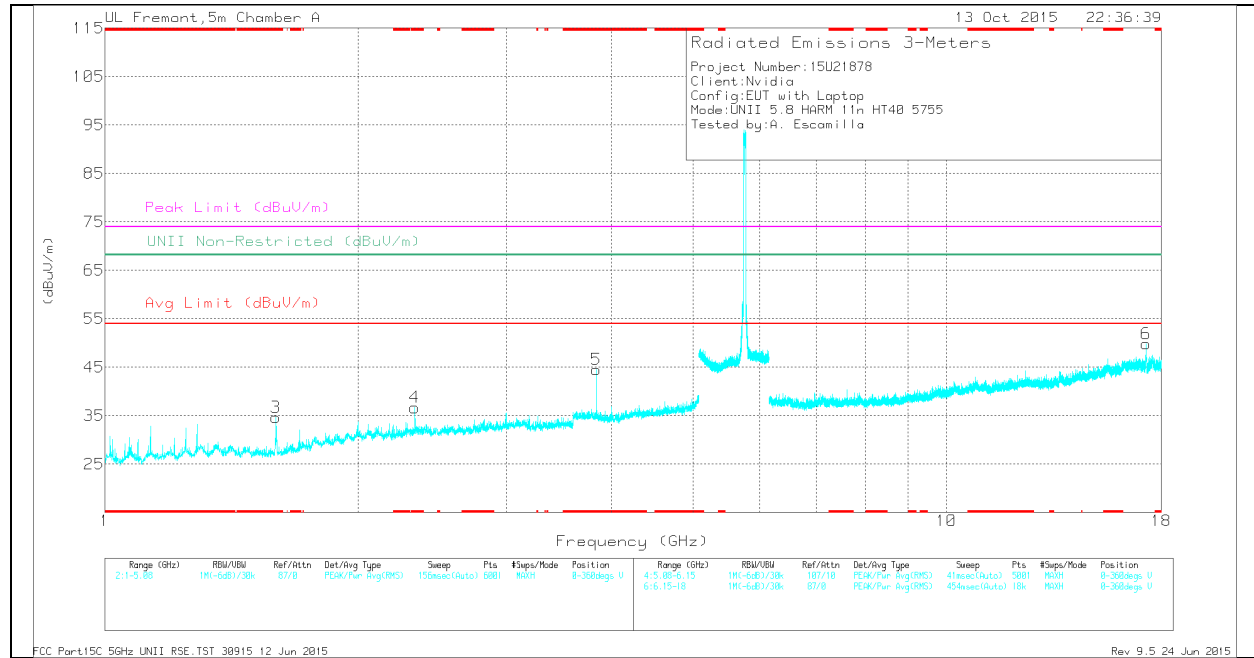
PK - Peak detector

## HARMONICS AND SPURIOUS EMISSIONS



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

### LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

## LOW CHANNEL DATA

### TRACE MARKERS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/Cbl/Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 1.05          | 44.46                | Pk  | 27.1           | -35.8                | 0            | 35.76                      | -                  | -           | 74                  | -38.24         | 68.2                         | -32.44         | 0-360          | 100         | H        |
| 3      | * 1.596         | 42.3                 | Pk  | 27.9           | -35.5                | 0            | 34.7                       | -                  | -           | 74                  | -39.3          | 68.2                         | -33.5          | 0-360          | 100         | V        |
| 4      | * 2.335         | 38.88                | Pk  | 31.9           | -34.1                | 0            | 36.68                      | -                  | -           | 74                  | -37.32         | 68.2                         | -31.52         | 0-360          | 200         | V        |
| 5      | * 3.837         | 42.92                | Pk  | 33.4           | -31.8                | 0            | 44.52                      | -                  | -           | 74                  | -29.48         | 68.2                         | -23.68         | 0-360          | 200         | V        |
| 6      | 17.267          | 31.33                | Pk  | 41.2           | -22.7                | 0            | 49.83                      | -                  | -           | 74                  | -24.17         | 68.2                         | -18.37         | 0-360          | 200         | V        |
| 2      | 17.269          | 29.18                | Pk  | 41.2           | -22.7                | 0            | 47.68                      | -                  | -           | 74                  | -26.32         | 68.2                         | -20.52         | 0-360          | 201         | H        |

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

Pk - Peak detector

### RADIATED EMISSIONS

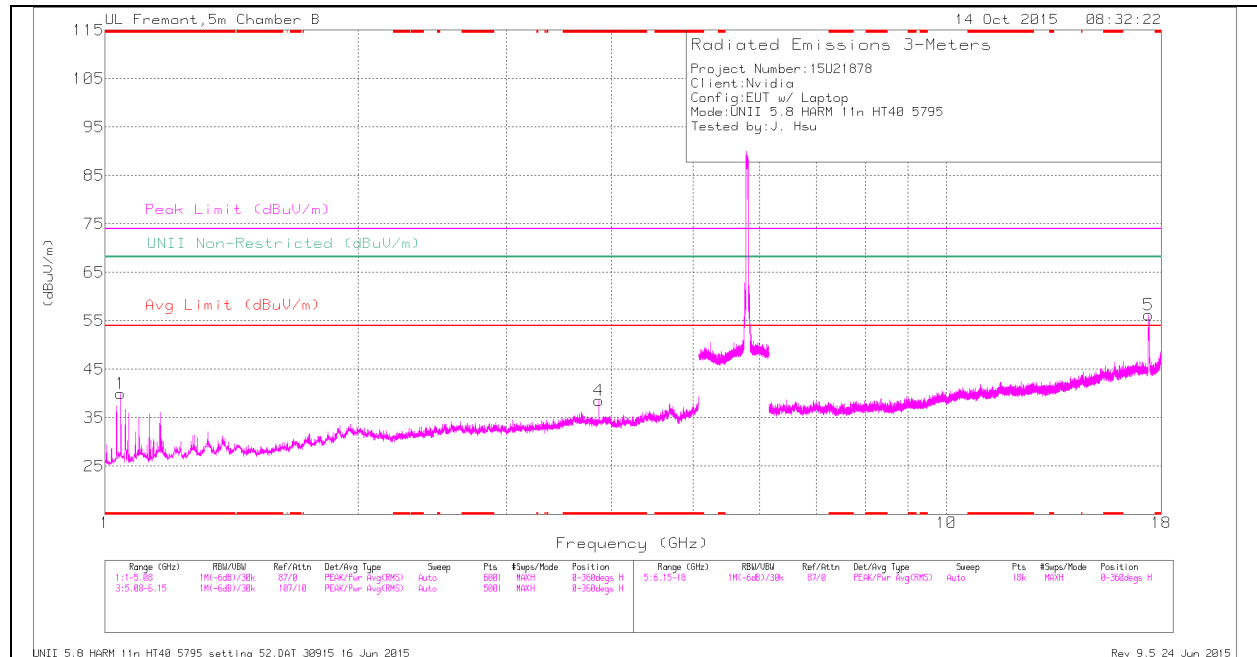
| Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T136 (dB/m) | Amp/Cbl/Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|------|----------------|----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| * 1.05          | 60.94                | PK-U | 27.1           | -35.8                | 0            | 52.24                      | -                  | -           | 74                  | -21.76         | 68.2                         | -15.96         | 152            | 285         | H        |
| * 1.051         | 32.13                | ADR  | 27.1           | -35.8                | 1.07         | 24.5                       | 54                 | -29.5       | -                   | -              | -                            | -              | 152            | 285         | H        |
| * 1.595         | 50.35                | PK-U | 27.9           | -35.5                | 0            | 42.75                      | -                  | -           | 74                  | -31.25         | 68.2                         | -25.45         | 211            | 100         | V        |
| * 1.595         | 33.13                | ADR  | 27.9           | -35.5                | 1.07         | 26.6                       | 54                 | -27.4       | -                   | -              | -                            | -              | 211            | 100         | V        |
| * 2.335         | 46.44                | PK-U | 31.9           | -34.1                | 0            | 44.24                      | -                  | -           | 74                  | -29.76         | 68.2                         | -23.96         | 268            | 209         | V        |
| * 2.335         | 37.61                | ADR  | 31.9           | -34.1                | 1.07         | 36.48                      | 54                 | -17.52      | -                   | -              | -                            | -              | 268            | 209         | V        |
| * 3.837         | 47.59                | PK-U | 33.4           | -31.8                | 0            | 49.19                      | -                  | -           | 74                  | -24.81         | 68.2                         | -19.01         | 217            | 287         | V        |
| * 3.837         | 42.77                | ADR  | 33.4           | -31.8                | 1.07         | 45.44                      | 54                 | -8.56       | -                   | -              | -                            | -              | 217            | 287         | V        |
| 17.269          | 38.92                | PK-U | 41.2           | -22.7                | 0            | 57.42                      | -                  | -           | 74                  | -16.58         | 68.2                         | -10.78         | 59             | 326         | H        |
| 17.269          | 39.48                | PK-U | 41.2           | -22.7                | 0            | 57.98                      | -                  | -           | 74                  | -16.02         | 68.2                         | -10.22         | 175            | 245         | V        |
| 17.269          | 25.98                | ADR  | 41.2           | -22.7                | 1.07         | 45.55                      | 54                 | -8.45       | -                   | -              | -                            | -              | 175            | 245         | V        |
| 17.27           | 25.16                | ADR  | 41.2           | -22.7                | 1.07         | 44.73                      | 54                 | -9.27       | -                   | -              | -                            | -              | 59             | 326         | H        |

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

PK-U - U-NII: Maximum Peak

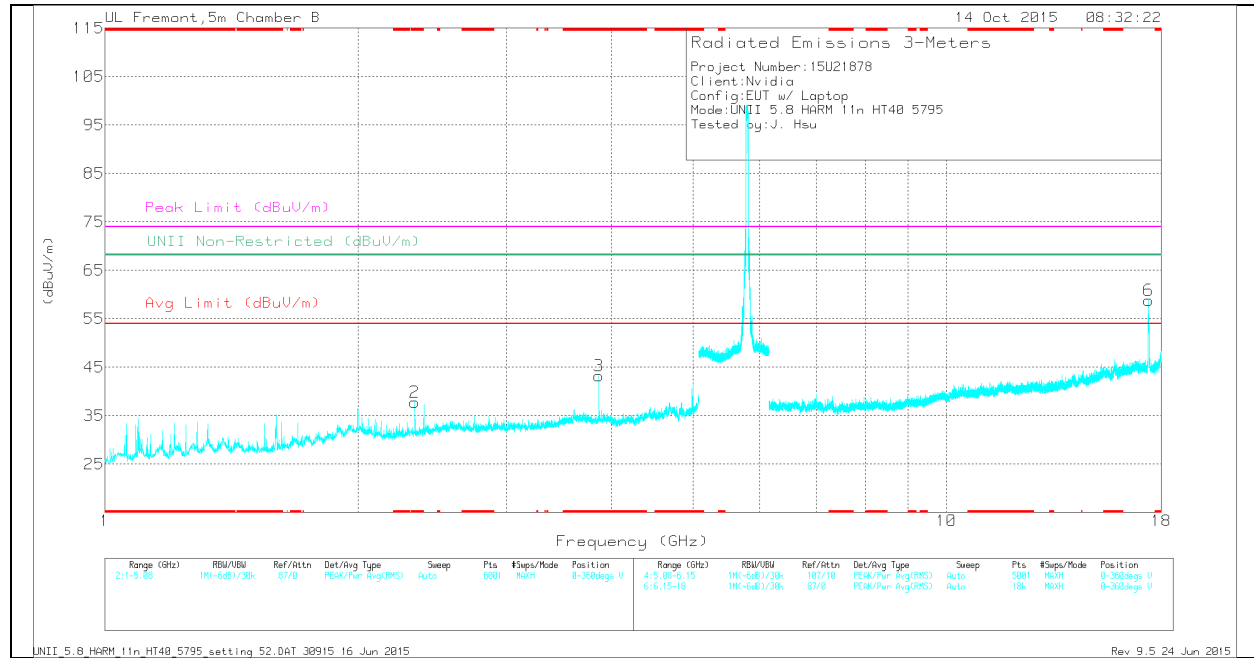
ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

### HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

## HIGH CHANNEL DATA

### TRACE MARKERS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T345 (dB/m) | Amp/Chl/ Filt/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 1.044         | 48.38                | Pk  | 27.4           | -35.8                  | 0            | 39.98                      | -                  | -           | 74                  | -34.02         | -                            | -              | 0-360          | 102         | H        |
| 4      | * 3.863         | 37.92                | Pk  | 33.4           | -32.8                  | 0            | 38.52                      | -                  | -           | 74                  | -35.48         | -                            | -              | 0-360          | 102         | H        |
| 2      | * 2.335         | 40.18                | Pk  | 31.7           | -34.1                  | 0            | 37.78                      | -                  | -           | 74                  | -36.22         | -                            | -              | 0-360          | 199         | V        |
| 3      | * 3.863         | 42.58                | Pk  | 33.4           | -32.8                  | 0            | 43.18                      | -                  | -           | 74                  | -30.82         | -                            | -              | 0-360          | 199         | V        |
| 5      | 17.39           | 36.36                | Pk  | 40.8           | -20.9                  | 0            | 56.26                      | -                  | -           | -                   | -              | 68.2                         | -11.94         | 0-360          | 199         | H        |
| 6      | 17.395          | 39.15                | Pk  | 40.7           | -21                    | 0            | 58.85                      | -                  | -           | -                   | -              | 68.2                         | -9.35          | 0-360          | 199         | V        |

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

Pk - Peak detector

### RADIATED EMISSIONS

| Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T345 (dB/m) | Amp/Chl/RI tr/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 |
|-----------------|----------------------|------|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| * 1.045         | 51.7                 | PK-U | 27.4           | -35.8                  | 0            | 43.3                       | -                  | -           | 74                  | -30.7          | -                            | -              | 1              | 102         | H        |
| * 1.043         | 32.75                | ADR  | 27.4           | -35.8                  | 1.07         | 25.42                      | 54                 | -28.58      | -                   | -              | -                            | -              | 1              | 102         | H        |
| * 3.863         | 44.73                | PK-U | 33.4           | -32.8                  | 0            | 45.33                      | -                  | -           | 74                  | -28.67         | -                            | -              | 185            | 102         | H        |
| * 3.863         | 35.57                | ADR  | 33.4           | -32.8                  | 1.07         | 37.24                      | 54                 | -16.76      | -                   | -              | -                            | -              | 185            | 102         | H        |
| * 2.338         | 42.71                | PK-U | 31.7           | -34.2                  | 0            | 40.21                      | -                  | -           | 74                  | -33.79         | -                            | -              | 185            | 102         | V        |
| * 2.333         | 31.02                | ADR  | 31.7           | -34.1                  | 1.07         | 29.69                      | 54                 | -24.31      | -                   | -              | -                            | -              | 185            | 102         | V        |
| * 3.863         | 46.68                | PK-U | 33.4           | -32.8                  | 0            | 47.28                      | -                  | -           | 74                  | -26.72         | -                            | -              | 87             | 160         | V        |
| * 3.863         | 40.51                | ADR  | 33.4           | -32.8                  | 1.07         | 42.18                      | 54                 | -11.82      | -                   | -              | -                            | -              | 87             | 160         | V        |
| 17.389          | 43.84                | PK-U | 40.8           | -20.9                  | 0            | 63.74                      | -                  | -           | -                   | -              | 68.2                         | -4.46          | 256            | 203         | V        |
| 17.39           | 44.1                 | PK-U | 40.7           | -20.9                  | 0            | 63.9                       | -                  | -           | -                   | -              | 68.2                         | -4.3           | 122            | 318         | H        |
| 17.39           | 32                   | ADR  | 40.7           | -20.9                  | 1.07         | 52.87                      | -                  | -           | -                   | -              | -                            | -              | 122            | 318         | H        |
| 17.39           | 30.31                | ADR  | 40.8           | -20.9                  | 1.07         | 51.28                      | -                  | -           | -                   | -              | -                            | -              | 256            | 203         | V        |

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

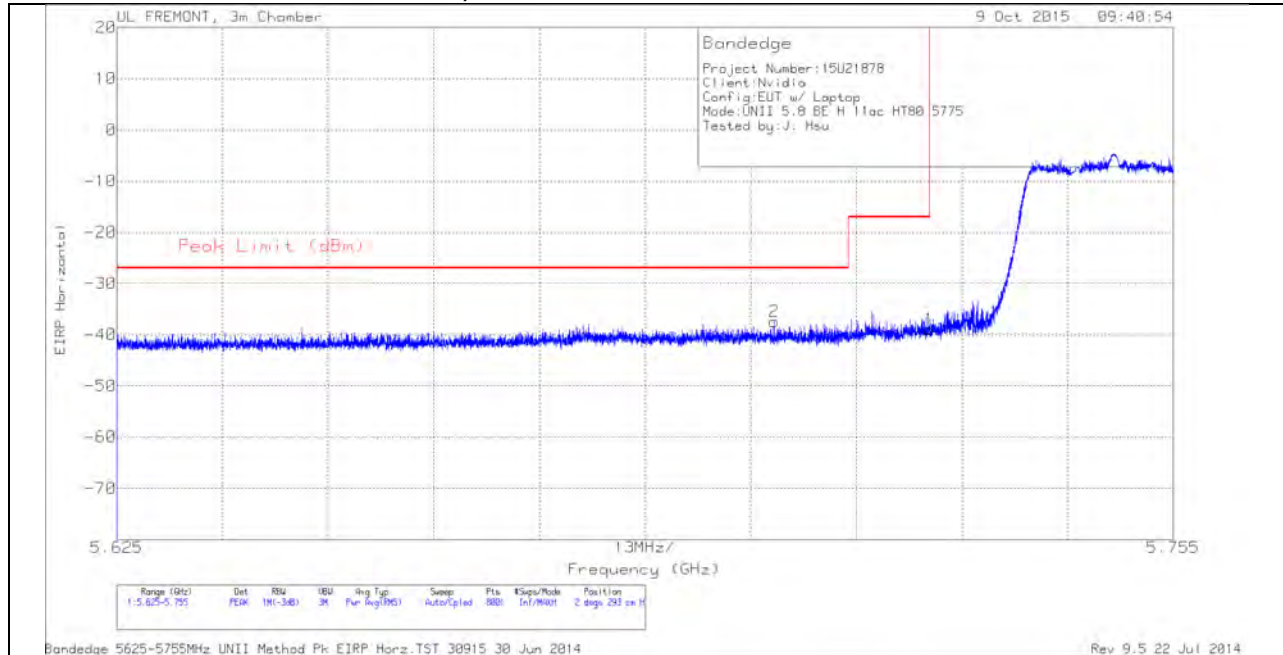
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

## 10.4.5. TX ABOVE 1 GHz 802.11ac HT80 MODE IN THE 5.8 GHz BAND

### RESTRICTED BANDEDGE (LOW CHANNEL)

#### LOWER EDGE, HORIZONTAL PEAK AND AVERAGE PLOT

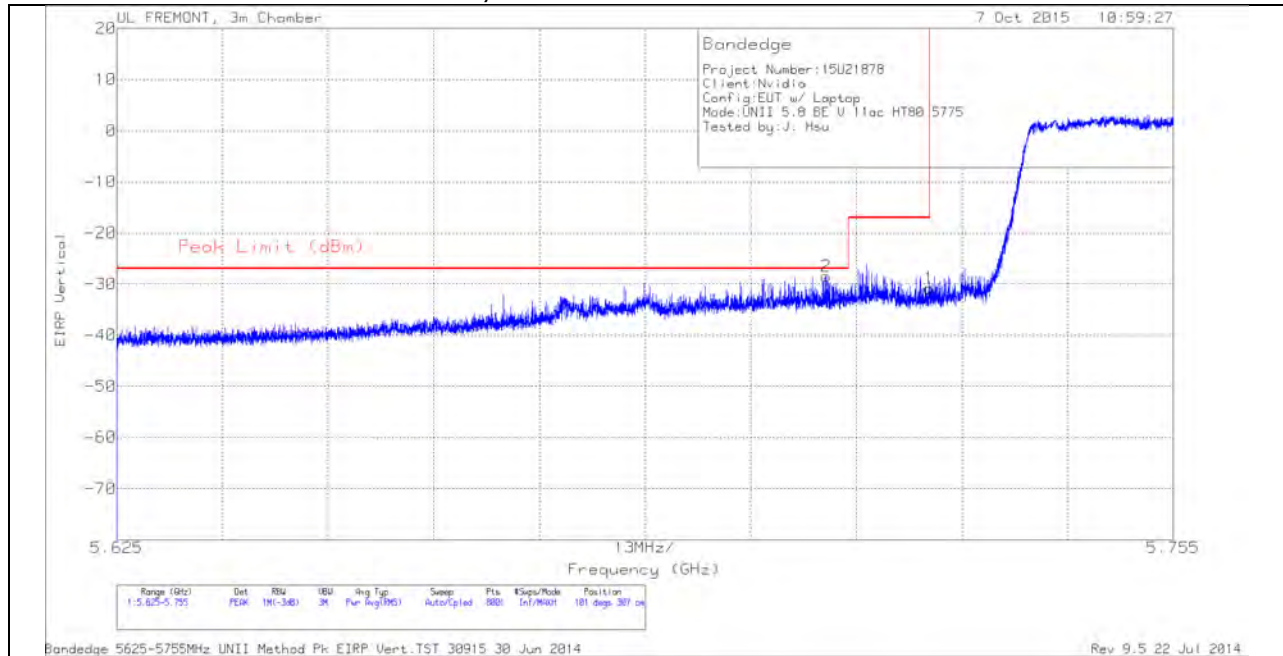


#### HORIZONTAL DATA

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T119 (dB/m) | Amp/Cbl/F ltr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 2      | 5.706           | -63.59              | PK  | 34.7           | -20.3                  | 11.8                   | -37.39                 | -27              | -10.39         | 2              | 293         | H        |
| 1      | 5.725           | -65.25              | PK  | 34.8           | -20.3                  | 11.8                   | -38.95                 | -17              | -21.95         | 2              | 293         | H        |

PK - Peak detector

### LOWER EDGE, VERTICAL PEAK AND AVERAGE PLOT

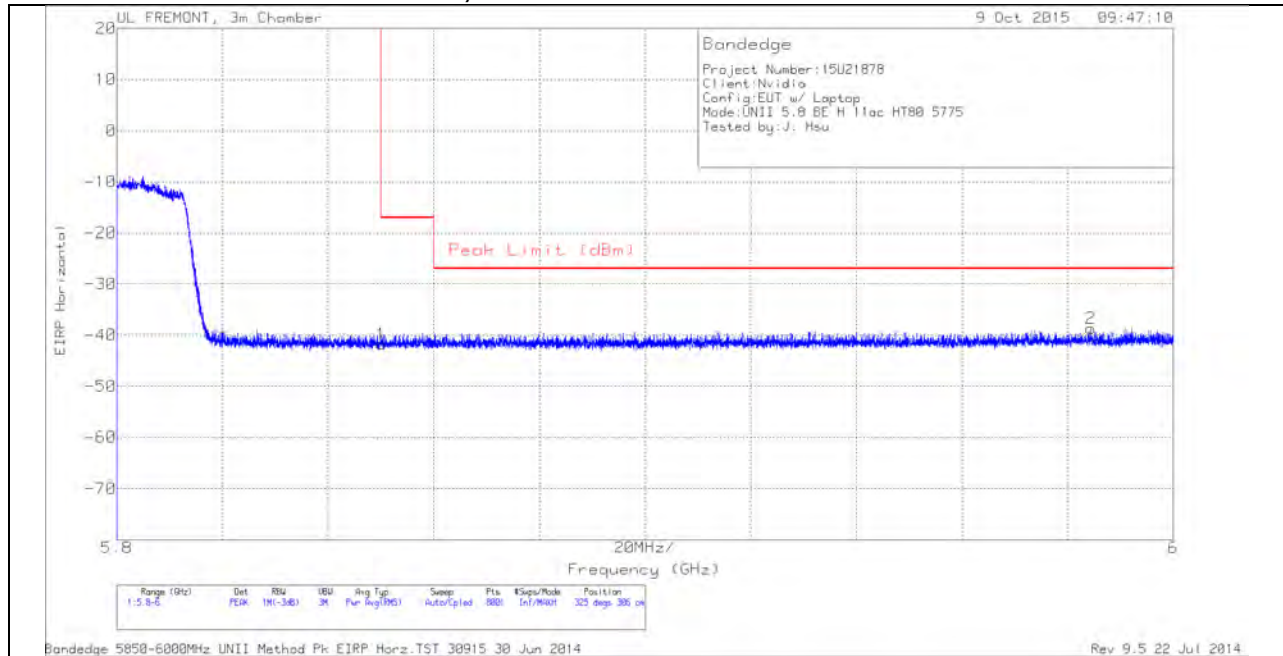


### VERTICAL DATA

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T119 (dB/m) | Amp/Cbl/F ltr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 2      | 5.712           | -54.67              | PK  | 34.8           | -20.4                  | 11.8                   | -28.47                 | -27              | -1.47          | 101            | 307         | V        |
| 1      | 5.725           | -57.14              | PK  | 34.8           | -20.3                  | 11.8                   | -30.84                 | -17              | -13.84         | 101            | 307         | V        |

PK - Peak detector

### HIGHER EDGE, HORIZONTAL PEAK AND AVERAGE PLOT

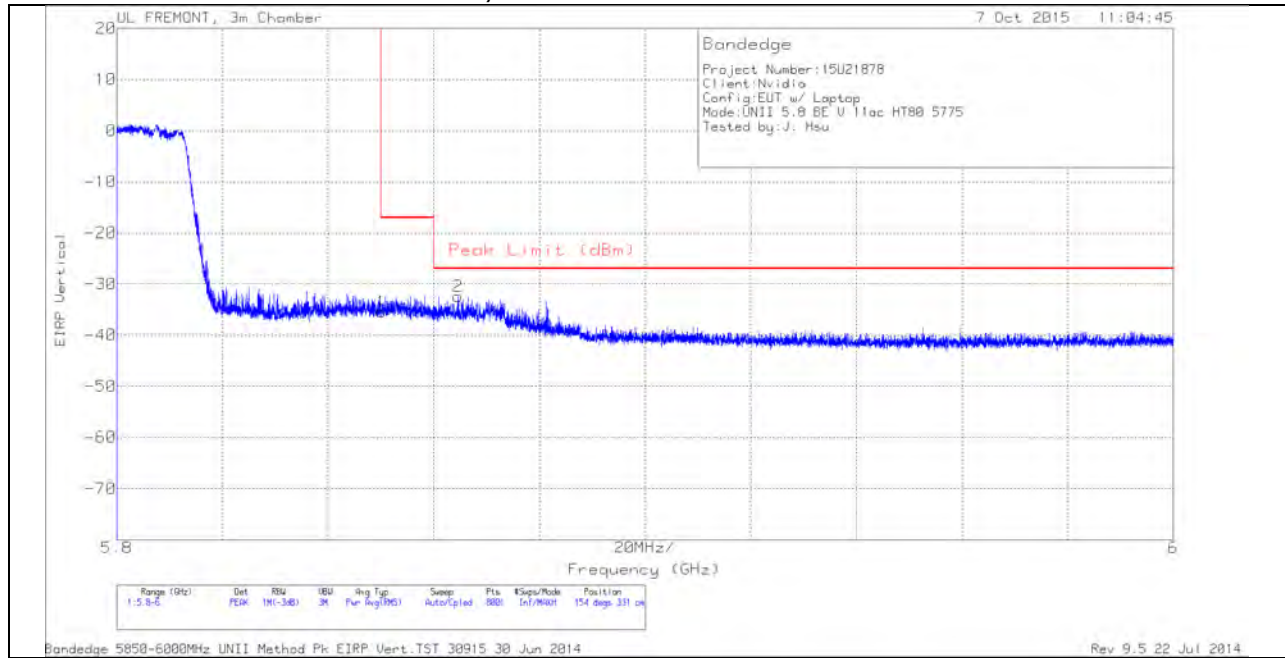


### HORIZONTAL DATA

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T119 (dB/m) | Amp/Cbl/F ltr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -67.86              | PK  | 34.9           | -20.6                  | 11.8                   | -41.76                 | -17              | -24.76         | 325            | 306         | H        |
| 2      | 5.984           | -65.53              | PK  | 35.2           | -20.1                  | 11.8                   | -38.63                 | -27              | -11.63         | 325            | 306         | H        |

PK - Peak detector

### HIGHER EDGE, VERTICAL PEAK AND AVERAGE PLOT

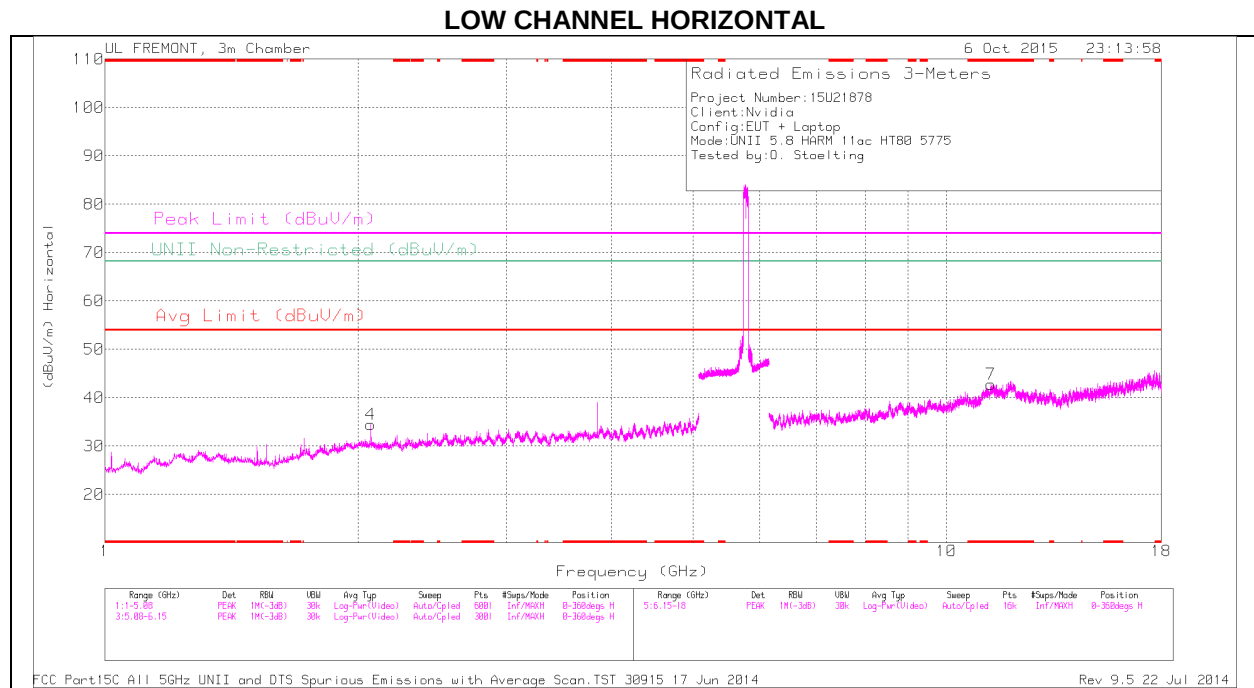


### VERTICAL DATA

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T119 (dB/m) | Amp/Cbl/F ltr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -61.57              | PK  | 34.9           | -20.6                  | 11.8                   | -35.47                 | -17              | -18.47         | 154            | 331         | V        |
| 2      | 5.865           | -58.58              | PK  | 34.9           | -20.5                  | 11.8                   | -32.38                 | -27              | -5.38          | 154            | 331         | V        |

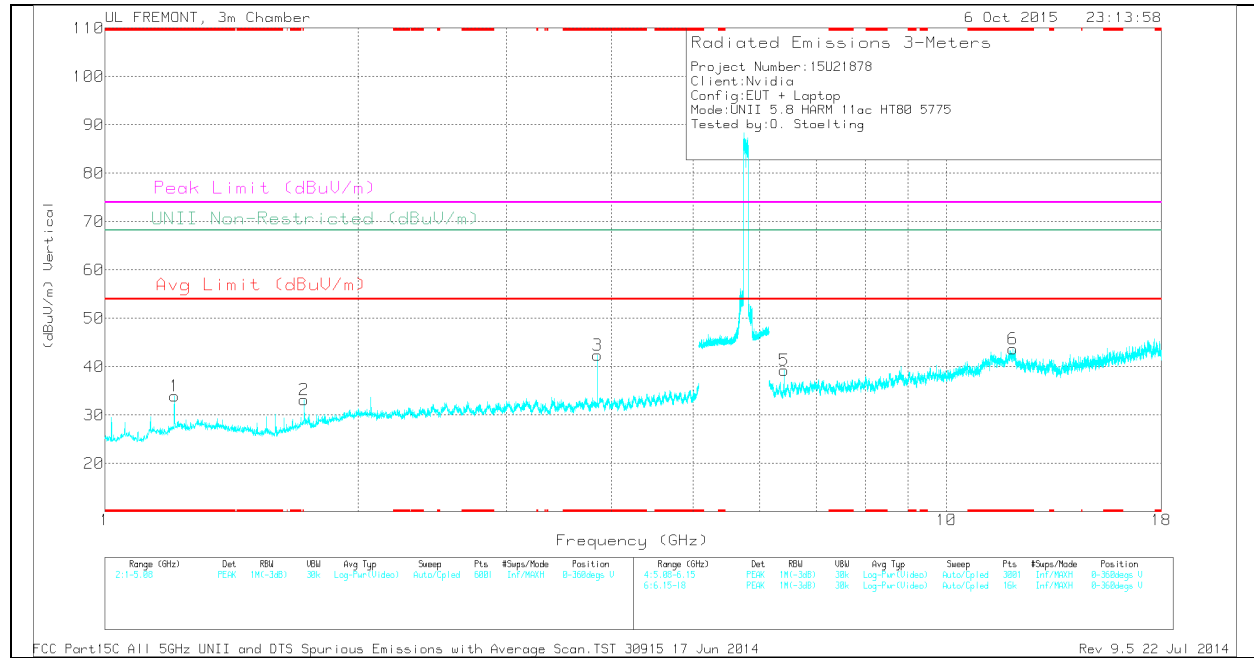
PK - Peak detector

## HARMONICS AND SPURIOUS EMISSIONS



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

# LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

## LOW CHANNEL DATA

### TRACE MARKERS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/ Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 1.209         | 37.64                | PK  | 29             | -32.7                 | 0            | 33.94                      | -                  | -           | 74                  | -40.06         | -                            | -              | 0-360          | 100         | V        |
| 3      | * 3.85          | 39.41                | PK  | 33.1           | -30.1                 | 0            | 42.41                      | -                  | -           | 74                  | -31.59         | -                            | -              | 0-360          | 200         | V        |
| 7      | * 11.301        | 27.49                | PK  | 38.1           | -22.8                 | 0            | 42.79                      | -                  | -           | 74                  | -31.21         | -                            | -              | 0-360          | 200         | H        |
| 6      | * 11.99         | 27.99                | PK  | 39.1           | -23.4                 | 0            | 43.69                      | -                  | -           | 74                  | -30.31         | -                            | -              | 0-360          | 100         | V        |
| 2      | 1.725           | 35.37                | PK  | 29.3           | -31.5                 | 0            | 33.17                      | -                  | -           | -                   | -              | 68.2                         | -35.03         | 0-360          | 200         | V        |
| 4      | 2.07            | 34.85                | PK  | 31.5           | -31.9                 | 0            | 34.45                      | -                  | -           | -                   | -              | 68.2                         | -33.75         | 0-360          | 100         | H        |
| 5      | 6.417           | 32.73                | PK  | 35.5           | -28.9                 | 0            | 39.33                      | -                  | -           | -                   | -              | 68.2                         | -28.87         | 0-360          | 200         | V        |

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

PK - Peak detector

### RADIATED EMISSIONS

| Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/ Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|----------------|-----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| * 1.21          | 45.09                | PK1 | 29             | -32.7                 | 0            | 41.39                      | -                  | -           | 74                  | -32.61         | -                            | -              | 46             | 214         | V        |
| * 1.21          | 38.35                | AD1 | 29             | -32.7                 | 1.82         | 36.47                      | 54                 | -17.53      | -                   | -              | -                            | -              | 46             | 214         | V        |
| * 3.85          | 45.13                | PK1 | 33.1           | -30.1                 | 0            | 48.13                      | -                  | -           | 74                  | -25.87         | -                            | -              | 26             | 206         | V        |
| * 3.85          | 39.41                | AD1 | 33.1           | -30.1                 | 1.82         | 44.23                      | 54                 | -9.77       | -                   | -              | -                            | -              | 26             | 206         | V        |
| * 11.299        | 36.27                | PK1 | 38.1           | -22.7                 | 0            | 51.67                      | -                  | -           | 74                  | -22.33         | -                            | -              | 58             | 352         | H        |
| * 11.303        | 24.27                | AD1 | 38.1           | -22.8                 | 1.82         | 41.39                      | 54                 | -12.61      | -                   | -              | -                            | -              | 58             | 352         | H        |
| * 11.991        | 36.96                | PK1 | 39.1           | -23.4                 | 0            | 52.66                      | -                  | -           | 74                  | -21.34         | -                            | -              | 185            | 112         | V        |
| * 11.992        | 24.65                | AD1 | 39.1           | -23.4                 | 1.82         | 42.17                      | 54                 | -11.83      | -                   | -              | -                            | -              | 185            | 112         | V        |
| 1.725           | 44.89                | PK1 | 29.3           | -31.5                 | 0            | 42.69                      | -                  | -           | -                   | -              | 68.2                         | -25.51         | 202            | 207         | V        |
| 1.725           | 30.54                | AD1 | 29.3           | -31.5                 | 1.82         | 30.16                      | -                  | -           | -                   | -              | -                            | -              | 202            | 207         | V        |
| 2.07            | 47.4                 | PK1 | 31.5           | -31.9                 | 0            | 47                         | -                  | -           | -                   | -              | 68.2                         | -21.2          | 268            | 241         | H        |
| 2.07            | 32.61                | AD1 | 31.5           | -31.9                 | 1.82         | 34.03                      | -                  | -           | -                   | -              | -                            | -              | 268            | 241         | H        |
| 6.417           | 40.58                | PK1 | 35.5           | -28.9                 | 0            | 47.18                      | -                  | -           | -                   | -              | 68.2                         | -21.02         | 35             | 200         | V        |
| 6.417           | 31.06                | AD1 | 35.5           | -28.9                 | 1.82         | 39.48                      | -                  | -           | -                   | -              | -                            | -              | 35             | 200         | V        |

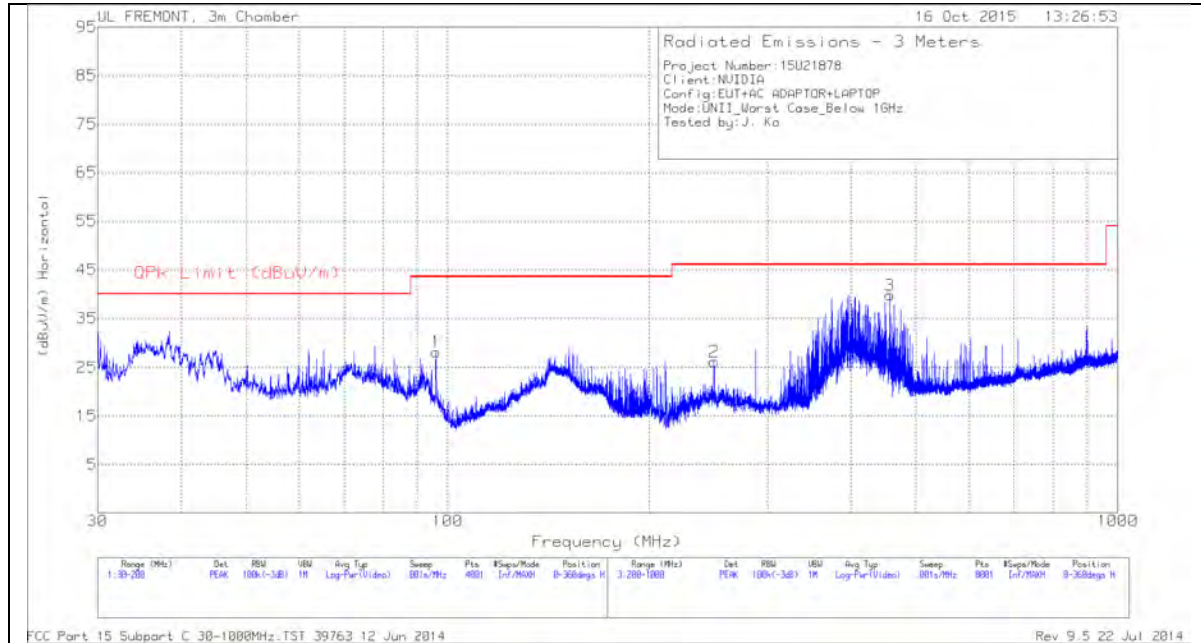
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

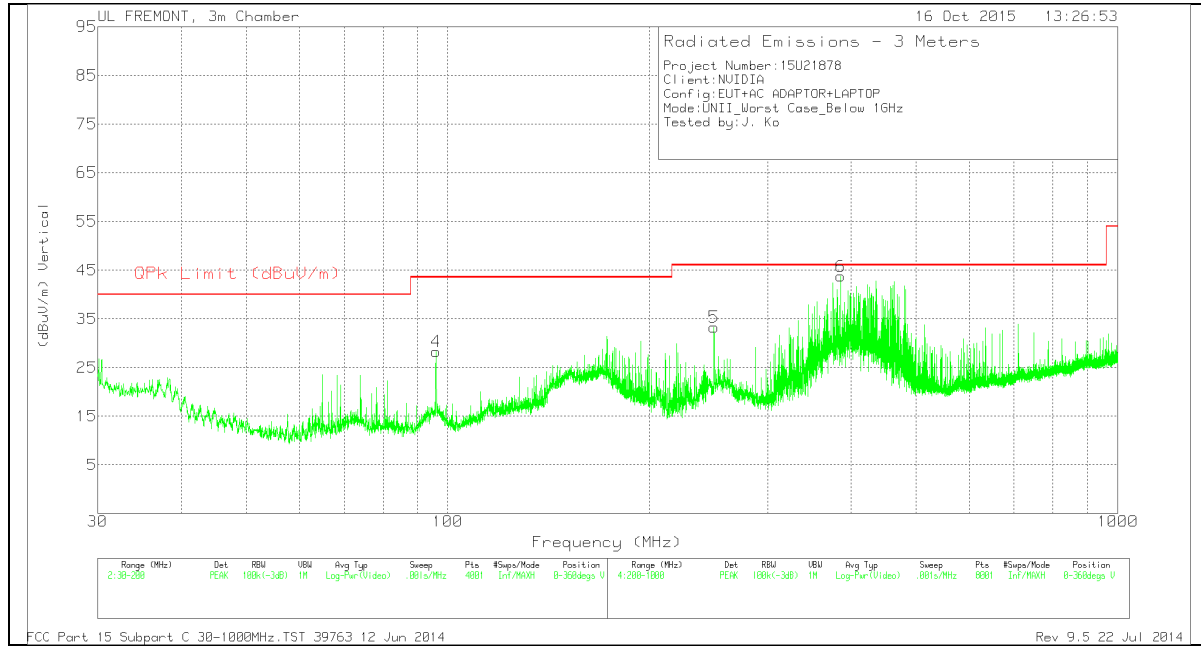
AD1 - KDB789033 Method: AD Primary Power Average

## 10.5. WORST-CASE BELOW 1 GHz (in the 5.2GHz Band)

### SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, HORIZONTAL)



**SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, VERTICAL)**



**Below 1GHz Data**

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF T185 (dB/m) | Amp/Cbl (dB) | Corrected Reading (dBuV/m) | QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|--------------|----------------------------|--------------------|-------------|----------------|-------------|----------|
| 1      | 96.0025         | 45.71                | PK  | 8.8            | -26.3        | 28.21                      | 43.52              | -15.31      | 0-360          | 200         | H        |
| 4      | 96.0025         | 45.79                | PK  | 8.8            | -26.3        | 28.29                      | 43.52              | -15.23      | 0-360          | 100         | V        |
| 2      | 249.6           | 39.37                | PK  | 11.5           | -24.7        | 26.17                      | 46.02              | -19.85      | 0-360          | 200         | H        |
| 5      | 249.6           | 46.5                 | PK  | 11.5           | -24.7        | 33.3                       | 46.02              | -12.72      | 0-360          | 100         | V        |
| 6      | 385.867         | 30.71                | QP  | 15             | -24.7        | 21.01                      | 46.02              | -25.01      | 300            | 335         | V        |
| 3      | 456.7           | 48.04                | PK  | 16.7           | -25          | 39.74                      | 46.02              | -6.28       | 0-360          | 100         | H        |

PK - Peak detector

QP - Quasi-Peak detector

## 11. AC POWER LINE CONDUCTED EMISSIONS

### LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

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

<sup>\*</sup> Decreases with the logarithm of the frequency.

### TEST PROCEDURE

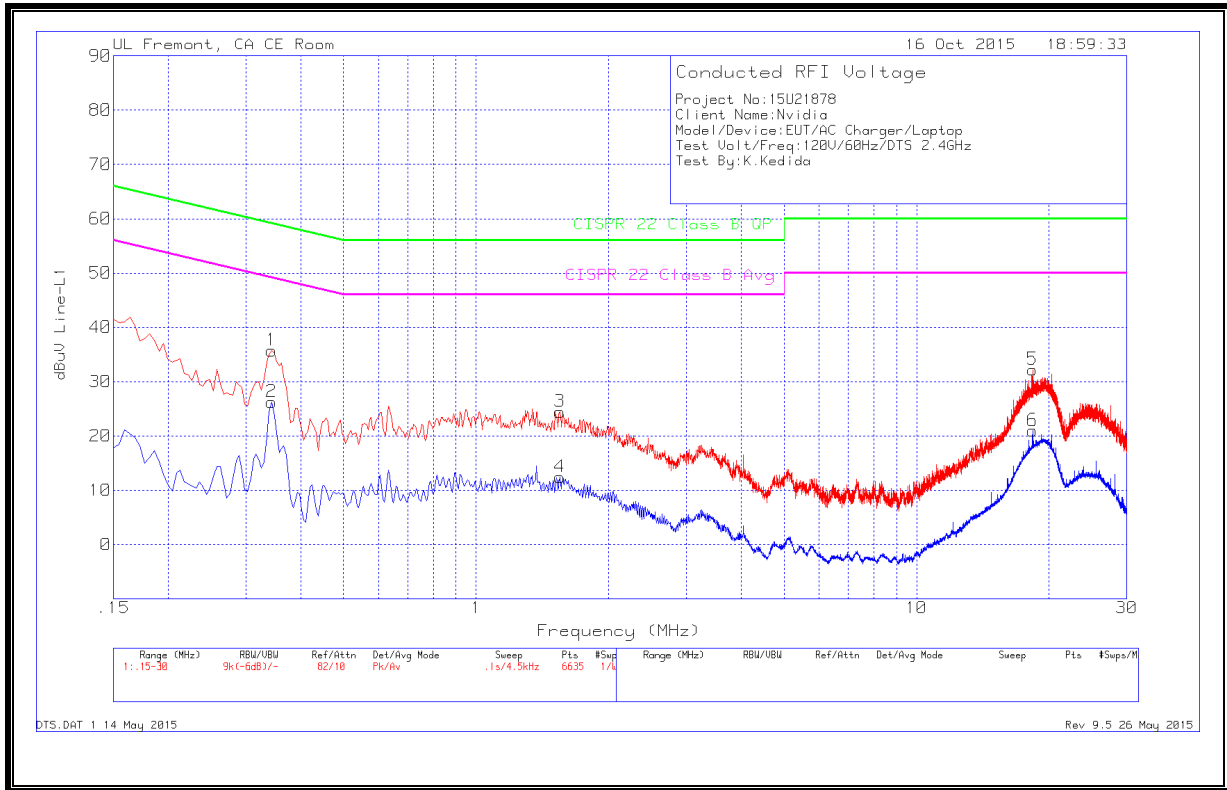
The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

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

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

### RESULTS

# **LINE 1 RESULTS**



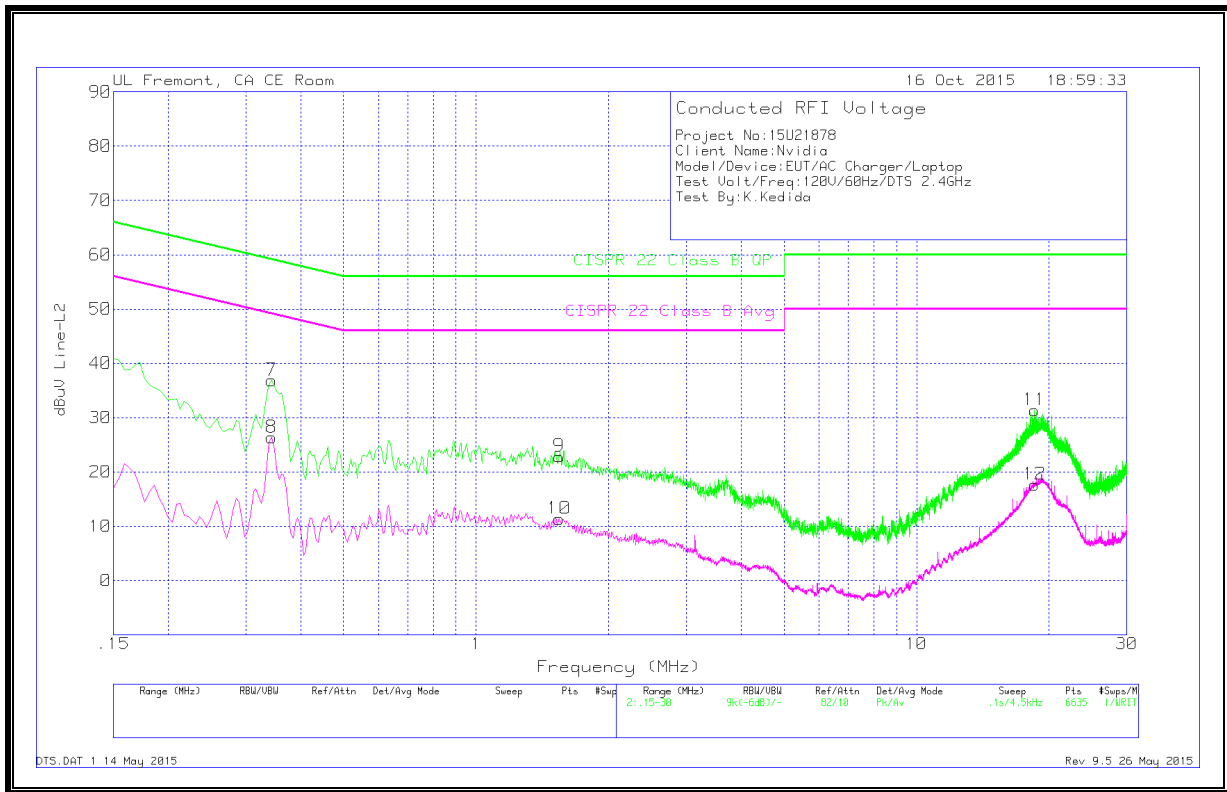
Range 1: Line-L1 .15 - 30MHz

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | T24 IL L1 | LC Cables 1&3 | Corrected Reading dBuV | CISPR 22 Class B QP | Margin (dB) | CISPR 22 Class B Avg | Margin (dB) |
|--------|-----------------|----------------------|-----|-----------|---------------|------------------------|---------------------|-------------|----------------------|-------------|
| 1      | .3435           | 36.27                | Pk  | .5        | 0             | 36.77                  | 59.12               | -22.35      | 49.12                | -12.35      |
| 2      | .3435           | 25.79                | Av  | .5        | 0             | 26.29                  | -                   | -           | 49.12                | -22.83      |
| 3      | .9465           | 26.86                | Pk  | .3        | 0             | 27.16                  | 56                  | -28.84      | 46                   | -18.84      |
| 4      | .9465           | 11.99                | Av  | .3        | 0             | 12.29                  | -                   | -           | 46                   | -33.71      |
| 5      | 19.239          | 33.05                | Pk  | .3        | .2            | 33.55                  | 60                  | -26.45      | 50                   | -16.45      |
| 6      | 19.239          | 21.57                | Av  | .3        | .2            | 22.07                  | -                   | -           | 50                   | -27.93      |

Pk - Peak detector

Av - Average detection

## LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | T24 IL L2 | LC Cables 2&3 | Corrected Reading dBuV | CISPR 22 Class B QP | Margin (dB) | CISPR 22 Class B Avg | Margin (dB) |
|--------|-----------------|----------------------|-----|-----------|---------------|------------------------|---------------------|-------------|----------------------|-------------|
| 7      | .348            | 32.82                | Pk  | .5        | 0             | 33.32                  | 59.01               | -25.69      | 49.01                | -15.69      |
| 8      | .348            | 19.06                | Av  | .5        | 0             | 19.56                  | -                   | -           | 49.01                | -29.45      |
| 9      | .9465           | 20.18                | Pk  | .3        | 0             | 20.48                  | 56                  | -35.52      | 46                   | -25.52      |
| 10     | .9465           | 4.24                 | Av  | .3        | 0             | 4.54                   | -                   | -           | 46                   | -41.46      |
| 11     | 18.8295         | 26.76                | Pk  | .3        | .2            | 27.26                  | 60                  | -32.74      | 50                   | -22.74      |
| 12     | 18.8295         | 16.64                | Av  | .3        | .2            | 17.14                  | -                   | -           | 50                   | -32.86      |

Pk - Peak detector

Av - Average detection