

## RADIATED EMISSIONS

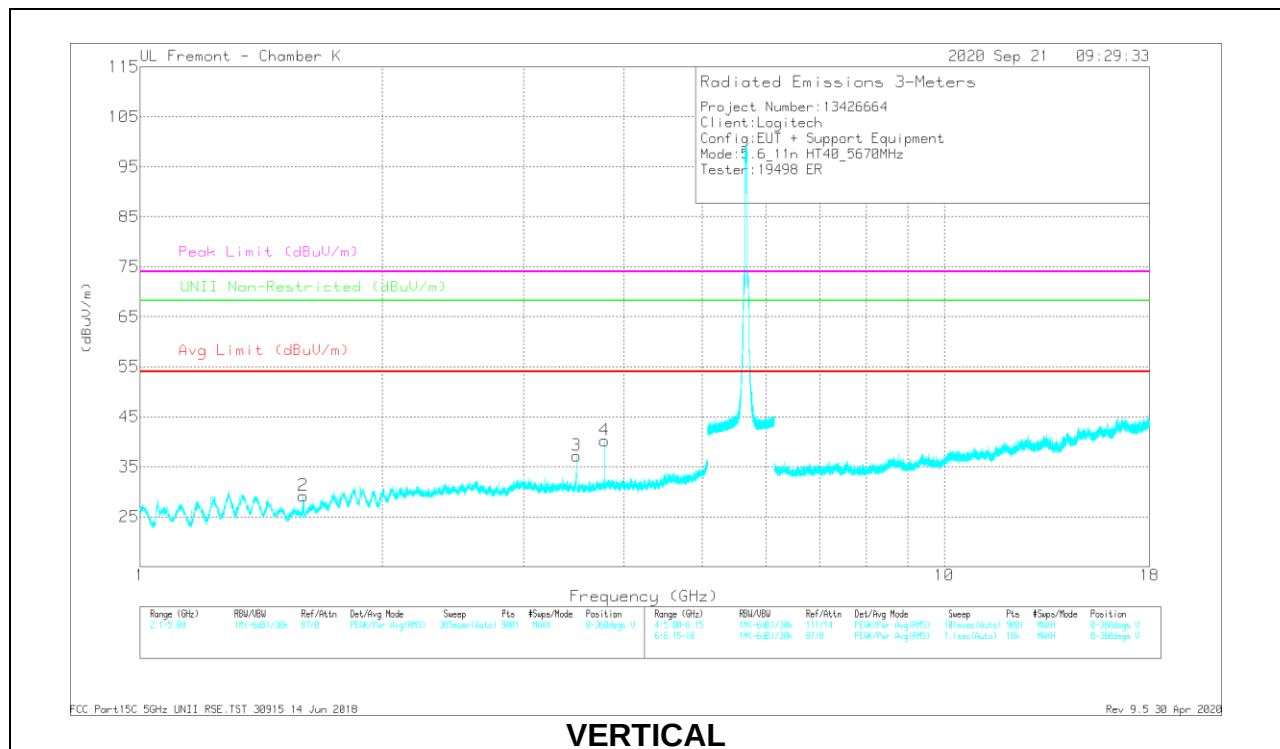
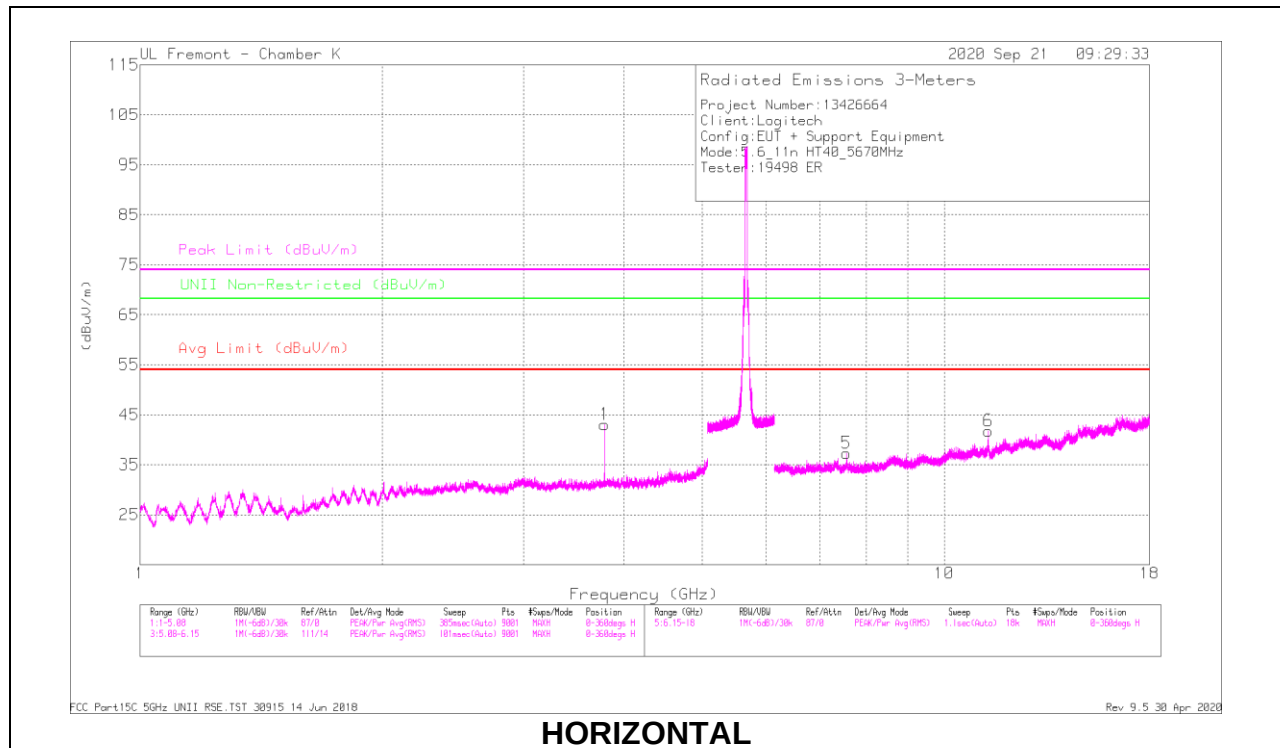
| Marker | Frequency (GHz) | Meas Reading (dBm) | Det  | AF 158.3 (dBm) | Amp/Cat/Hot/Pad (dB) | DC Corr (dB) | Corrected Reading (dBm) | Avg Limit (dBm) | Margin (dB) | Peak Limit (dBm) | PK Margin (dB) | ULR Non-Restricted (dBm) | PK Margin (dB) | Altitude (m) | Height (m) | Polarity |
|--------|-----------------|--------------------|------|----------------|----------------------|--------------|-------------------------|-----------------|-------------|------------------|----------------|--------------------------|----------------|--------------|------------|----------|
| 1      | * 1.59468       | 60.71              | PK-U | 29.1           | -46.2                | 0            | 42.61                   | -               | -           | 74               | -31.39         | -                        | -              | 241          | 303        | H        |
|        | * 1.59294       | 43.38              | ADR  | 28.1           | -46.1                | .44          | 25.82                   | 54              | -28.18      | -                | -              | -                        | -              | 241          | 303        | H        |
| 2      | * 3.69999       | 55.59              | PK-U | 33.6           | -42.1                | 0            | 47.09                   | -               | -           | 74               | -26.91         | -                        | -              | 24           | 182        | H        |
|        | * 3.70003       | 51.26              | ADR  | 33.6           | -42.1                | .44          | 43.2                    | 54              | -10.8       | -                | -              | -                        | -              | 24           | 182        | H        |
| 6      | * 7.39113       | 46.35              | PK-U | 36             | -38                  | 0            | 44.35                   | -               | -           | 74               | -29.65         | -                        | -              | 227          | 101        | H        |
|        | * 7.40009       | 34.59              | ADR  | 36.1           | -38.1                | .44          | 33.03                   | 54              | -20.97      | -                | -              | -                        | -              | 227          | 101        | H        |
| 3      | * 1.59276       | 65.86              | PK-U | 29.1           | -46.1                | 0            | 47.86                   | -               | -           | 74               | -26.14         | -                        | -              | 147          | 346        | V        |
|        | * 1.5956        | 46.52              | ADR  | 28.1           | -46.2                | .44          | 28.86                   | 54              | -25.14      | -                | -              | -                        | -              | 147          | 346        | V        |
| 4      | 3.48399         | 56.83              | PK-U | 32.9           | -42.2                | 0            | 47.43                   | -               | -           | 74               | -27.57         | 68.2                     | -20.77         | 360          | 217        | V        |
|        | * 3.7           | 54.57              | PK-U | 33.6           | -42.1                | 0            | 46.07                   | -               | -           | 74               | -27.93         | -                        | -              | 9            | 242        | V        |
| 5      | * 3.70003       | 49.22              | ADR  | 33.6           | -42.1                | .44          | 41.16                   | 54              | -12.84      | -                | -              | -                        | -              | 9            | 242        | V        |
| 7      | * 7.39988       | 46.07              | PK-U | 36.1           | -38.1                | 0            | 44.07                   | -               | -           | 74               | -29.93         | -                        | -              | 326          | 205        | V        |
|        | * 7.4001        | 35.44              | ADR  | 36.1           | -38.1                | .44          | 33.88                   | 54              | -20.12      | -                | -              | -                        | -              | 326          | 205        | V        |

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

## HIGH CHANNEL RESULTS



## RADIATED EMISSIONS

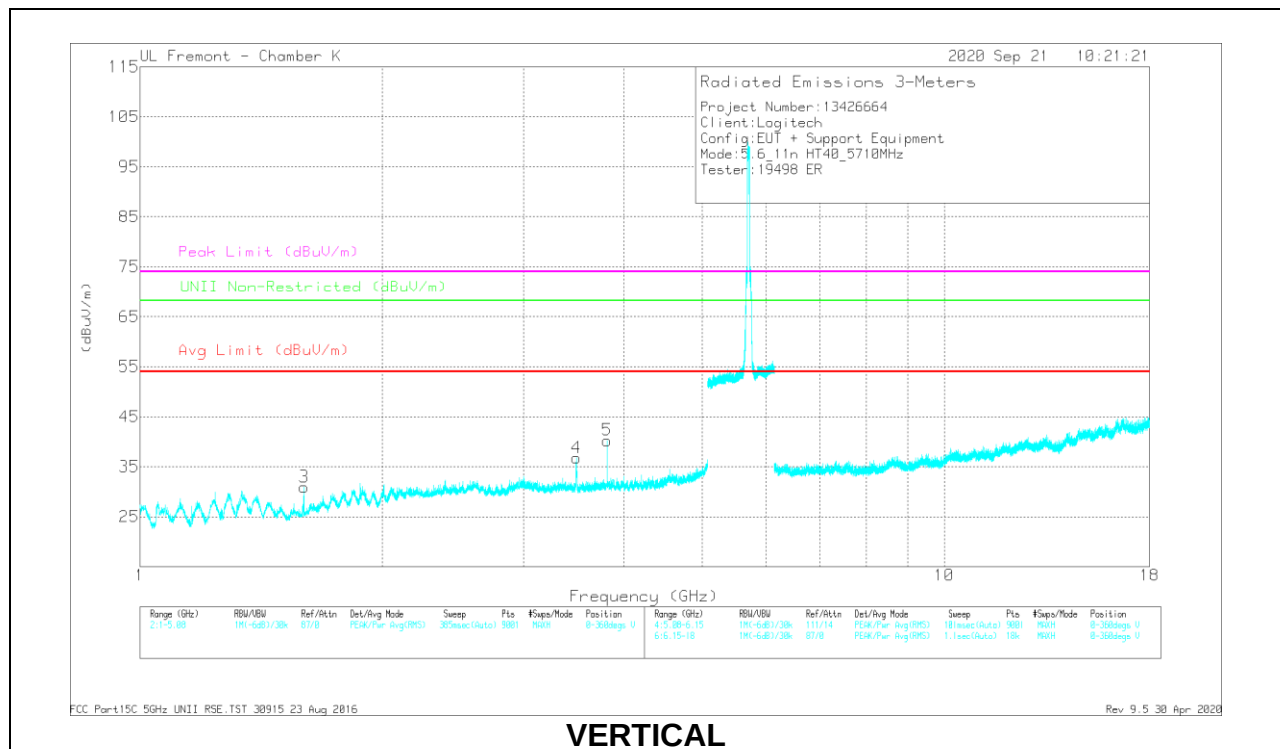
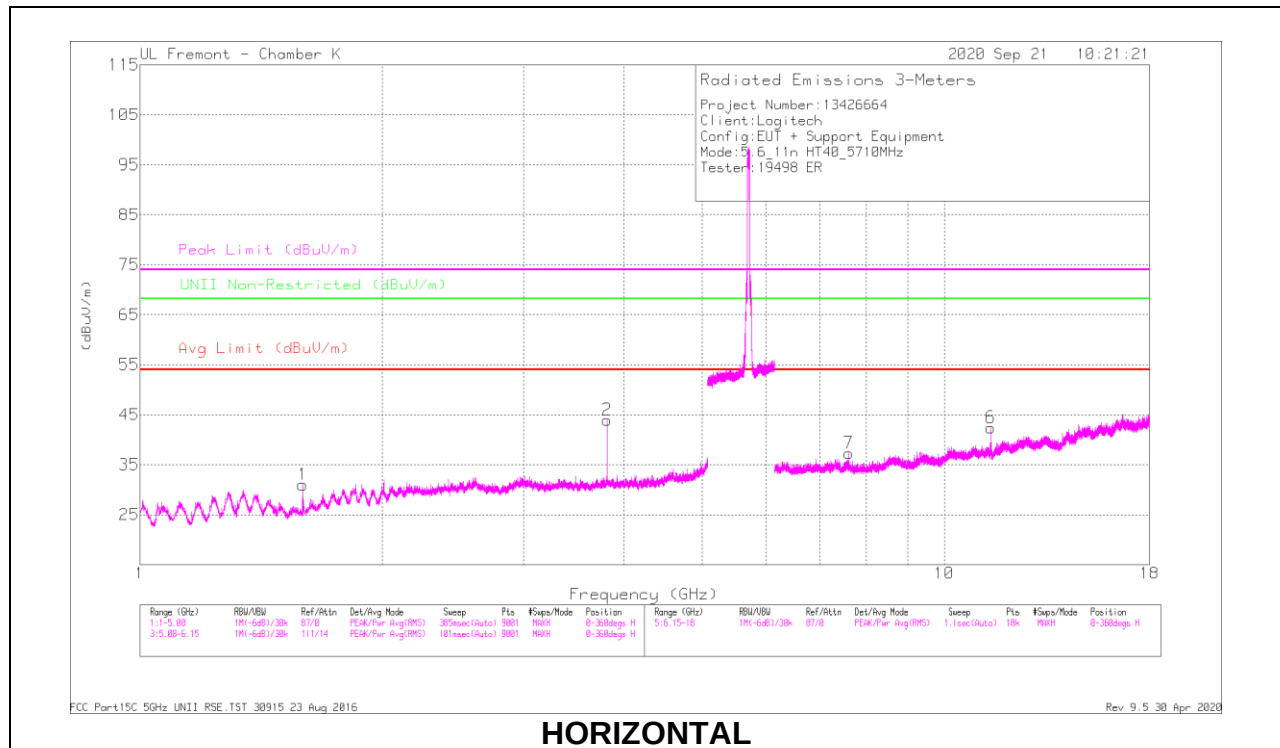
| Marker | Frequency (MHz) | Meas Reading (dBuV) | Det  | AF 1583 (dBm) | AmpCoeffInPad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNE Non-Restricted (dBuV/m) | PK Margin (dB) | Altitude (Feet) | Height (m) | Polarity |
|--------|-----------------|---------------------|------|---------------|--------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|-----------------------------|----------------|-----------------|------------|----------|
| 1      | * 3.78009       | 54.66               | PK-U | 33.6          | -42                | 0            | 46.26                      | -                  | -           | 74                  | -27.74         | -                           | -              | 21              | 176        | H        |
|        | * 3.78006       | 51.13               | ADR  | 33.6          | -42                | .44          | 43.17                      | 54                 | -10.83      | -                   | -              | -                           | -              | 21              | 176        | H        |
| 5      | * 7.55989       | 47.84               | PK-U | 36            | -37.6              | 0            | 46.24                      | -                  | -           | 74                  | -27.76         | -                           | -              | 338             | 199        | H        |
|        | * 7.56003       | 38.47               | ADR  | 36            | -37.6              | .44          | 37.31                      | 54                 | -16.69      | -                   | -              | -                           | -              | 338             | 199        | H        |
| 6      | * 11.33989      | 49.88               | PK-U | 38            | -36.1              | 0            | 50.58                      | -                  | -           | 74                  | -23.42         | -                           | -              | 112             | 167        | H        |
|        | * 11.33902      | 36.8                | ADR  | 38            | -36.1              | .44          | 39.14                      | 54                 | -14.86      | -                   | -              | -                           | -              | 112             | 167        | H        |
| 2      | * 1.59292       | 64.26               | PK-U | 28.1          | -46.1              | 0            | 46.26                      | -                  | -           | 74                  | -27.74         | -                           | -              | 67              | 290        | V        |
|        | * 1.59412       | 44.94               | ADR  | 28.1          | -46.2              | .44          | 27.28                      | 54                 | -26.72      | -                   | -              | -                           | -              | 67              | 290        | V        |
| 3      | * 3.78007       | 52.82               | PK-U | 33.6          | -42                | 0            | 44.22                      | -                  | -           | 74                  | -29.78         | -                           | -              | 326             | 178        | V        |
|        | * 3.78006       | 47.05               | ADR  | 33.6          | -42                | .44          | 39.09                      | 54                 | -14.91      | -                   | -              | -                           | -              | 326             | 176        | V        |
| 4      | 3.48943         | 57.52               | PK-U | 32.8          | -42.2              | 0            | 48.12                      | -                  | -           | -                   | -              | 68.2                        | -20.08         | 355             | 276        | V        |

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

## CHANNEL 142 RESULTS



## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meas Reading (dBm) | Det  | AF 1582 (dBm) | AmpCoefInPad (dB) | DC Corr (dB) | Corrected Reading (dBm) | Avg Limit (dBm) | Margin (dB) | Peak Limit (dBm) | PK Margin (dB) | UNE Non-Restricted (dBm) | PK Margin (dB) | Altitude (Feet) | Height (m) | Polarity |
|--------|-----------------|--------------------|------|---------------|-------------------|--------------|-------------------------|-----------------|-------------|------------------|----------------|--------------------------|----------------|-----------------|------------|----------|
| 1      | * 1.59959       | 54.37              | PK-U | 29.1          | -46.2             | 0            | 46.27                   | -               | -           | 74               | -27.73         | -                        | -              | 298             | 294        | H        |
|        | * 1.59952       | 46.7               | ADR  | 29.1          | -46.2             | .44          | 29.04                   | 54              | -24.96      | -                | -              | -                        | -              | 298             | 294        | H        |
| 2      | * 3.80686       | 55.87              | PK-U | 33.5          | -42               | 0            | 47.37                   | -               | -           | 74               | -26.63         | -                        | -              | 21              | 170        | H        |
|        | * 3.8067        | 51.86              | ADR  | 33.5          | -42               | .44          | 43.8                    | 54              | -10.2       | -                | -              | -                        | -              | 21              | 170        | H        |
| 7      | * 7.61325       | 46.88              | PK-U | 36.1          | -38.2             | 0            | 44.18                   | -               | -           | 74               | -29.22         | -                        | -              | 331             | 183        | H        |
|        | * 7.61348       | 37.03              | ADR  | 36.1          | -38.2             | .44          | 35.37                   | 54              | -18.63      | -                | -              | -                        | -              | 331             | 183        | H        |
| 6      | * 11.41681      | 48.92              | PK-U | 38.1          | -36.3             | 0            | 50.72                   | -               | -           | 74               | -23.28         | -                        | -              | 31              | 193        | H        |
|        | * 11.41953      | 36.73              | ADR  | 38.1          | -36.3             | .44          | 38.97                   | 54              | -15.03      | -                | -              | -                        | -              | 31              | 193        | H        |
| 3      | * 1.59942       | 63.75              | PK-U | 28.1          | -46.2             | 0            | 45.65                   | -               | -           | 74               | -28.35         | -                        | -              | 347             | 375        | V        |
|        | * 1.59952       | 45.4               | ADR  | 28.1          | -46.2             | .44          | 27.74                   | 54              | -26.26      | -                | -              | -                        | -              | 347             | 375        | V        |
| 4      | * 3.8068        | 52.9               | PK-U | 33.5          | -42               | 0            | 44.4                    | -               | -           | 74               | -29.6          | -                        | -              | 7               | 184        | V        |
|        | * 3.80672       | 45.86              | ADR  | 33.5          | -42               | .44          | 37.8                    | 54              | -16.2       | -                | -              | -                        | -              | 7               | 184        | V        |
| 5      | 3.46292         | 57.75              | PK-U | 32.8          | -42.1             | 0            | 48.45                   | -               | -           | -                | -              | 60.2                     | -19.75         | 358             | 214        | V        |

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

PK-U - U-NII: Maximum Peak

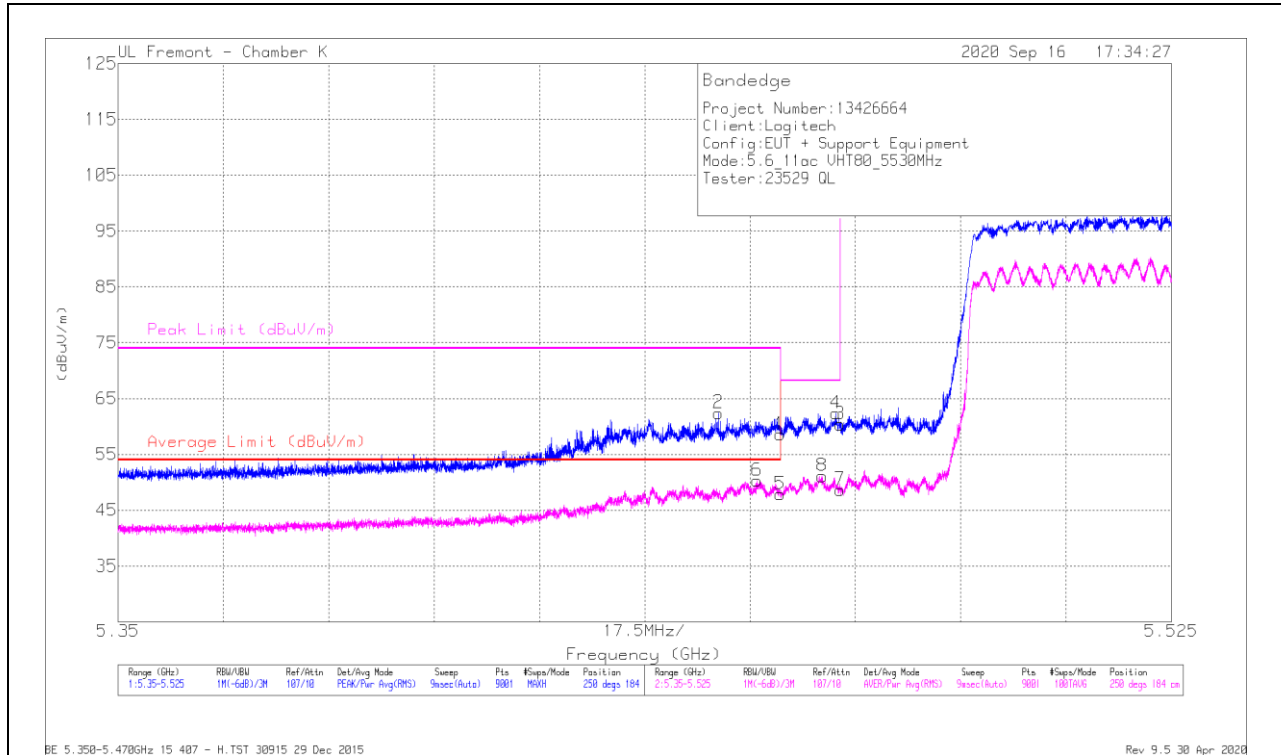
ADR - U-NII AD primary method, RMS average

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

### 2TX Antenna 1 + Antenna 2 CDD MODE

### BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT



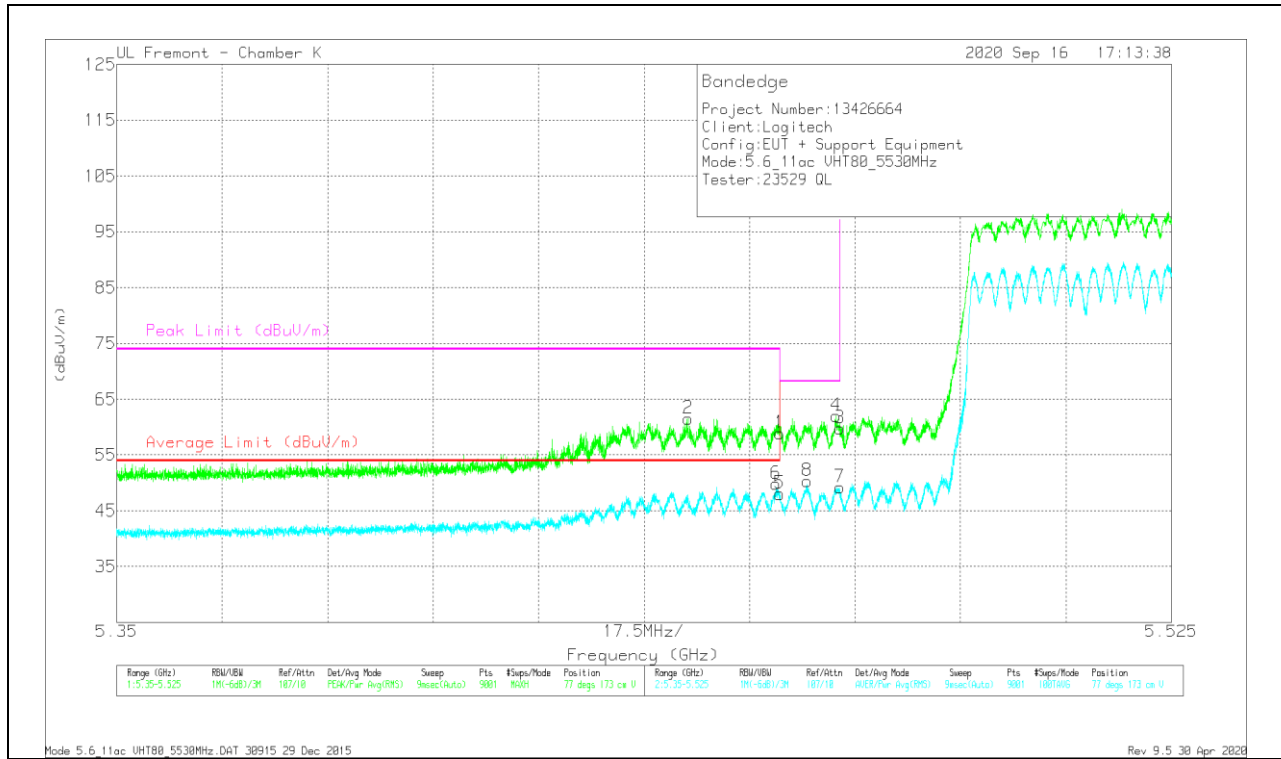
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T863 (dBm) | AmprCM/FIT/Pd (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Altitude (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|-----------------|-------------|----------|
| 1      | * 5.45999       | 53.69                | Pk  | 35.6          | -30.7              | 0            | 58.59                      | -                      | -           | 74                  | -15.41         | 250             | 184         | H        |
| 2      | * 5.44971       | 57.62                | Pk  | 35.5          | -30.7              | 0            | 62.42                      | -                      | -           | 74                  | -11.58         | 250             | 184         | H        |
| 3      | 5.46999         | 55.38                | Pk  | 35.7          | -30.7              | 0            | 60.38                      | -                      | -           | 68.2                | -7.82          | 250             | 184         | H        |
| 4      | 5.46921         | 57.37                | Pk  | 35.7          | -30.7              | 0            | 62.37                      | -                      | -           | 68.2                | -5.83          | 250             | 184         | H        |
| 5      | * 5.45999       | 42.12                | RMS | 35.6          | -30.7              | .85          | 47.86                      | 54                     | -6.14       | -                   | -              | 250             | 184         | H        |
| 6      | * 5.45614       | 44.47                | RMS | 35.7          | -30.7              | .85          | 50.31                      | 54                     | -3.69       | -                   | -              | 250             | 184         | H        |
| 7      | 5.46999         | 42.78                | RMS | 35.7          | -30.7              | .85          | 48.62                      | -                      | -           | -                   | -              | 250             | 184         | H        |
| 8      | 5.46698         | 45.39                | RMS | 35.6          | -30.7              | .85          | 51.13                      | -                      | -           | -                   | -              | 250             | 184         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



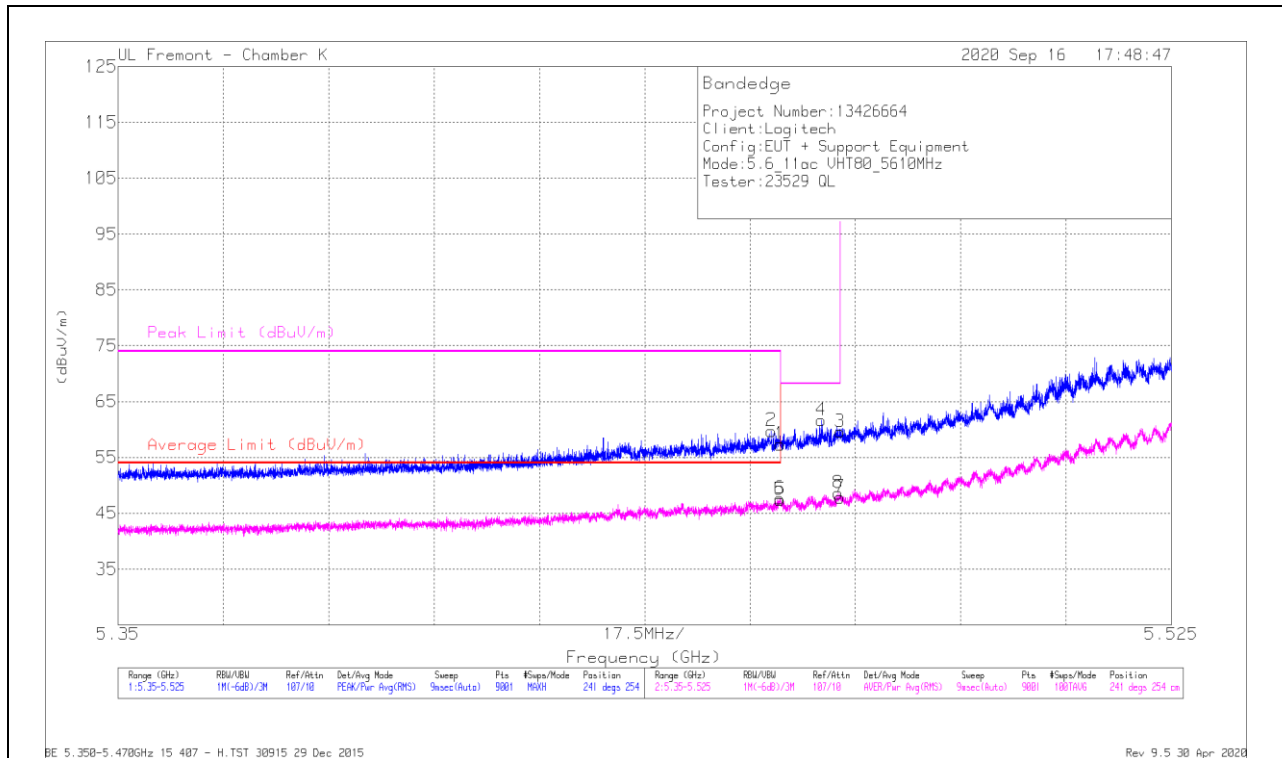
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 1963 (dBm) | Amp/Cal/Fit/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Acimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.45999       | 53.97                | PK  | 35.6          | -30.7                | 0            | 58.67                      | -                      | -           | 74                  | -15.13         | 77             | 173         | V        |
| 2      | * 5.44479       | 56.67                | PK  | 35.6          | -30.7                | 0            | 61.57                      | -                      | -           | 74                  | -12.43         | 77             | 173         | V        |
| 3      | 5.46999         | 54.78                | PK  | 35.7          | -30.7                | 0            | 59.78                      | -                      | -           | 68.2                | -8.42          | 77             | 173         | V        |
| 4      | 5.46933         | 56.99                | PK  | 35.7          | -30.7                | 0            | 61.99                      | -                      | -           | 68.2                | -6.21          | 77             | 173         | V        |
| 5      | * 5.45999       | 42.3                 | RMS | 35.6          | -30.7                | 85           | 48.04                      | 54                     | -5.96       | -                   | -              | 77             | 173         | V        |
| 6      | * 5.45937       | 44.05                | RMS | 35.7          | -30.7                | 85           | 49.89                      | 54                     | -4.11       | -                   | -              | 77             | 173         | V        |
| 7      | 5.46999         | 43.42                | RMS | 35.7          | -30.7                | 85           | 49.26                      | -                      | -           | -                   | -              | 77             | 173         | V        |
| 8      | 5.46458         | 44.58                | RMS | 35.6          | -30.7                | 85           | 50.32                      | -                      | -           | -                   | -              | 77             | 173         | V        |

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

Pk - Peak detector

RMS - RMS detection

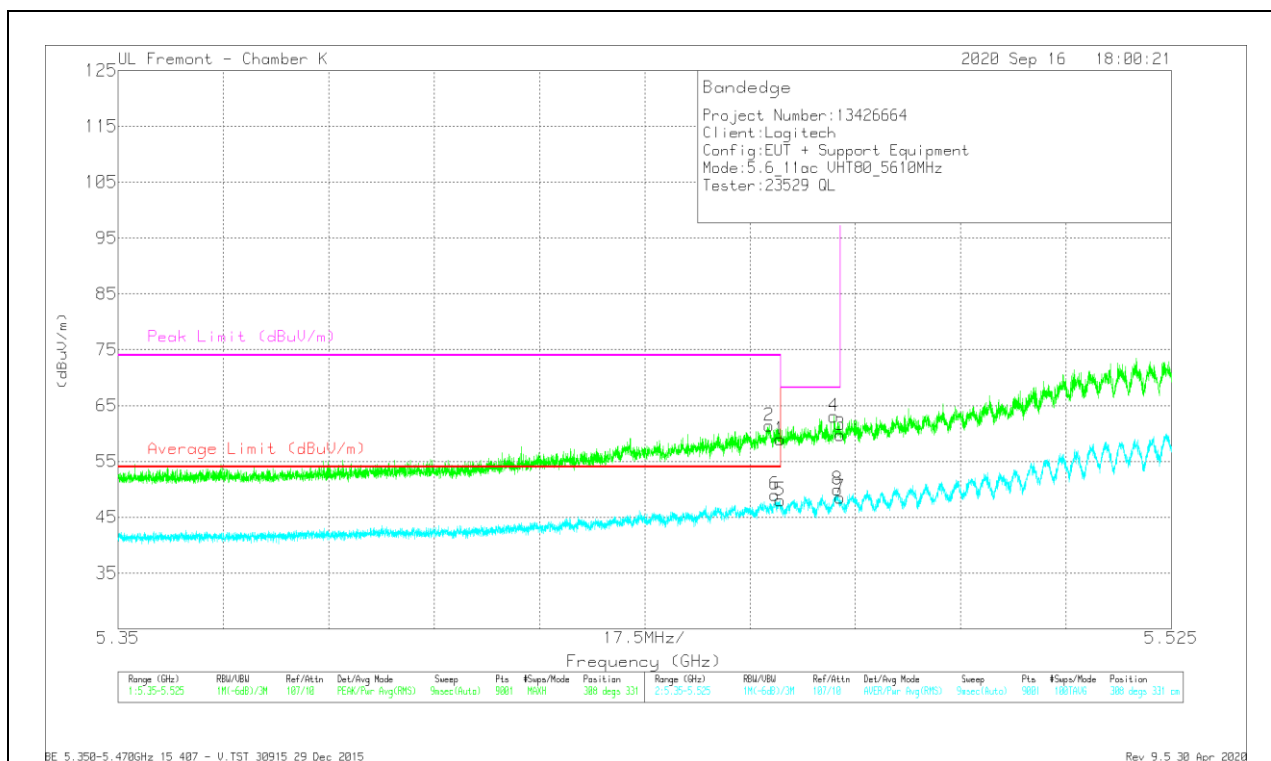
## HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meas Reading (dBuV) | Det | AF 1963 (dBm) | Amp/Chl/Filt/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Altitude (feet) | Height (m) | Polarity |
|--------|-----------------|---------------------|-----|---------------|-----------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|-----------------|------------|----------|
| 1      | * 5.45999       | 52.43               | Pk  | 35.6          | -30.7                 | 0            | 57.33                      | -                      | -           | 74                  | -16.67         | 241             | 254        | H        |
| 2      | * 5.45954       | 54.74               | Pk  | 35.7          | -30.7                 | 0            | 59.74                      | -                      | -           | 74                  | -14.26         | 241             | 254        | H        |
| 3      | 5.46999         | 54.57               | Pk  | 35.7          | -30.7                 | 0            | 59.57                      | -                      | -           | 68.2                | -8.63          | 241             | 254        | H        |
| 4      | 5.46996         | 56.73               | Pk  | 35.6          | -30.7                 | 0            | 61.63                      | -                      | -           | 68.2                | -6.57          | 241             | 254        | H        |
| 5      | * 5.45999       | 41.64               | RMS | 35.6          | -30.7                 | 85           | 47.39                      | 54                     | -6.61       | -                   | -              | 241             | 254        | H        |
| 6      | * 5.45996       | 41.88               | RMS | 35.6          | -30.7                 | 85           | 47.63                      | 54                     | -6.37       | -                   | -              | 241             | 254        | H        |
| 7      | 5.46999         | 42.01               | RMS | 35.7          | -30.7                 | 85           | 47.86                      | -                      | -           | -                   | -              | 241             | 254        | H        |
| 8      | 5.46994         | 42.74               | RMS | 35.7          | -30.7                 | 85           | 48.59                      | -                      | -           | -                   | -              | 241             | 254        | H        |

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

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 1963 (dBm) | Amp/CMIF/In/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Acimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.45999       | 54.06                | Pk  | 35.6          | -30.7                | 0            | 58.96                      | -                      | -           | 74                  | -15.04         | 308            | 331         | V        |
| 2      | * 5.45817       | 56.39                | Pk  | 35.7          | -30.7                | 0            | 61.39                      | -                      | -           | 74                  | -12.61         | 308            | 331         | V        |
| 3      | 5.46999         | 54.73                | Pk  | 35.7          | -30.7                | 0            | 59.73                      | -                      | -           | 68.2                | -8.47          | 308            | 331         | V        |
| 4      | 5.46892         | 58.07                | Pk  | 35.7          | -30.7                | 0            | 63.07                      | -                      | -           | 68.2                | -5.13          | 308            | 331         | V        |
| 5      | * 5.45999       | 42.27                | RMS | 35.6          | -30.7                | 85           | 48.02                      | 54                     | -5.98       | -                   | -              | 308            | 331         | V        |
| 6      | * 5.45908       | 43.2                 | RMS | 35.7          | -30.7                | 85           | 49.05                      | 54                     | -4.95       | -                   | -              | 308            | 331         | V        |
| 7      | 5.46999         | 42.68                | RMS | 35.7          | -30.7                | 85           | 48.53                      | -                      | -           | -                   | -              | 308            | 331         | V        |
| 8      | 5.46952         | 44.12                | RMS | 35.7          | -30.7                | 85           | 49.97                      | -                      | -           | -                   | -              | 308            | 331         | V        |

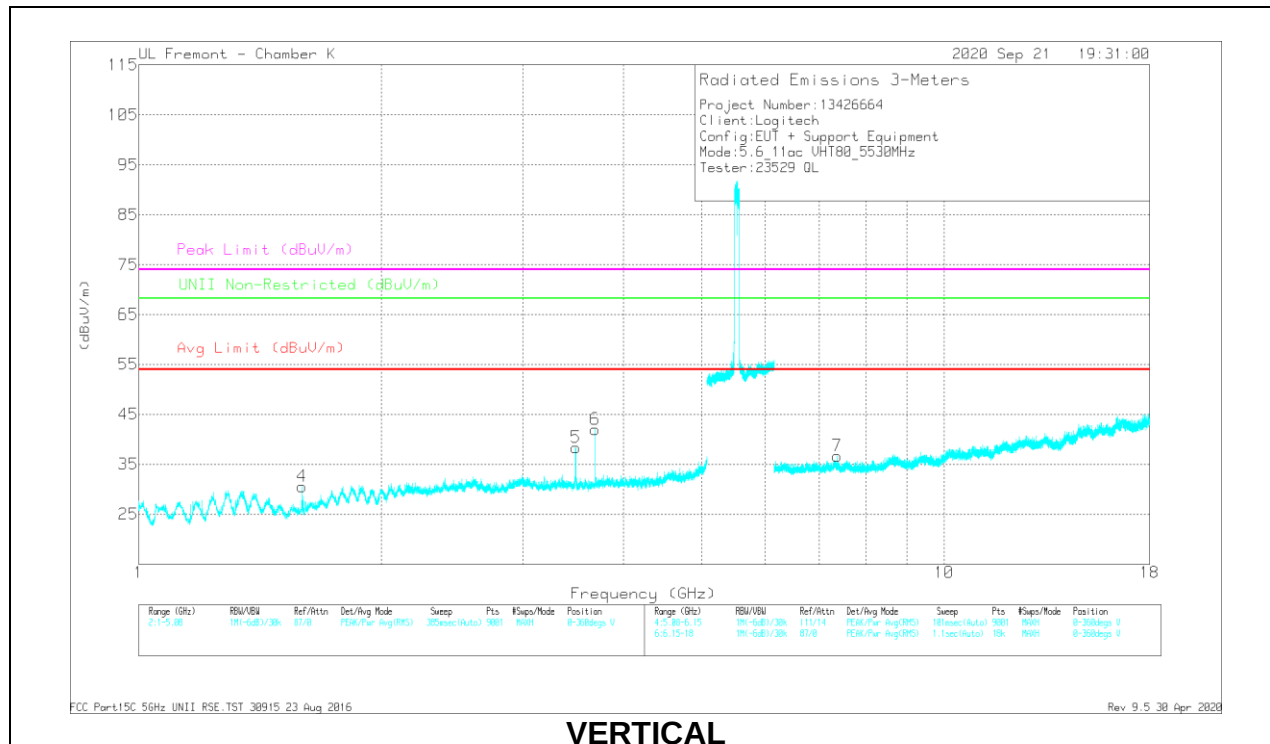
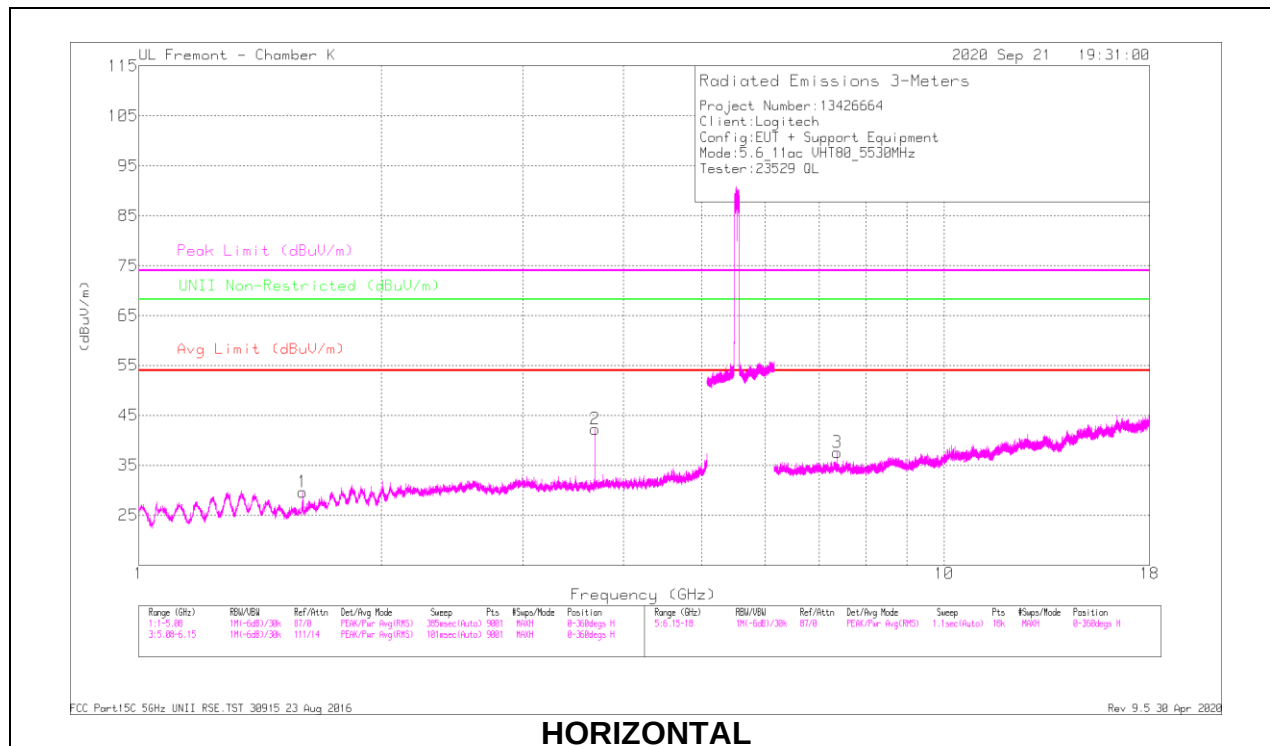
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL RESULTS



## RADIATED EMISSIONS

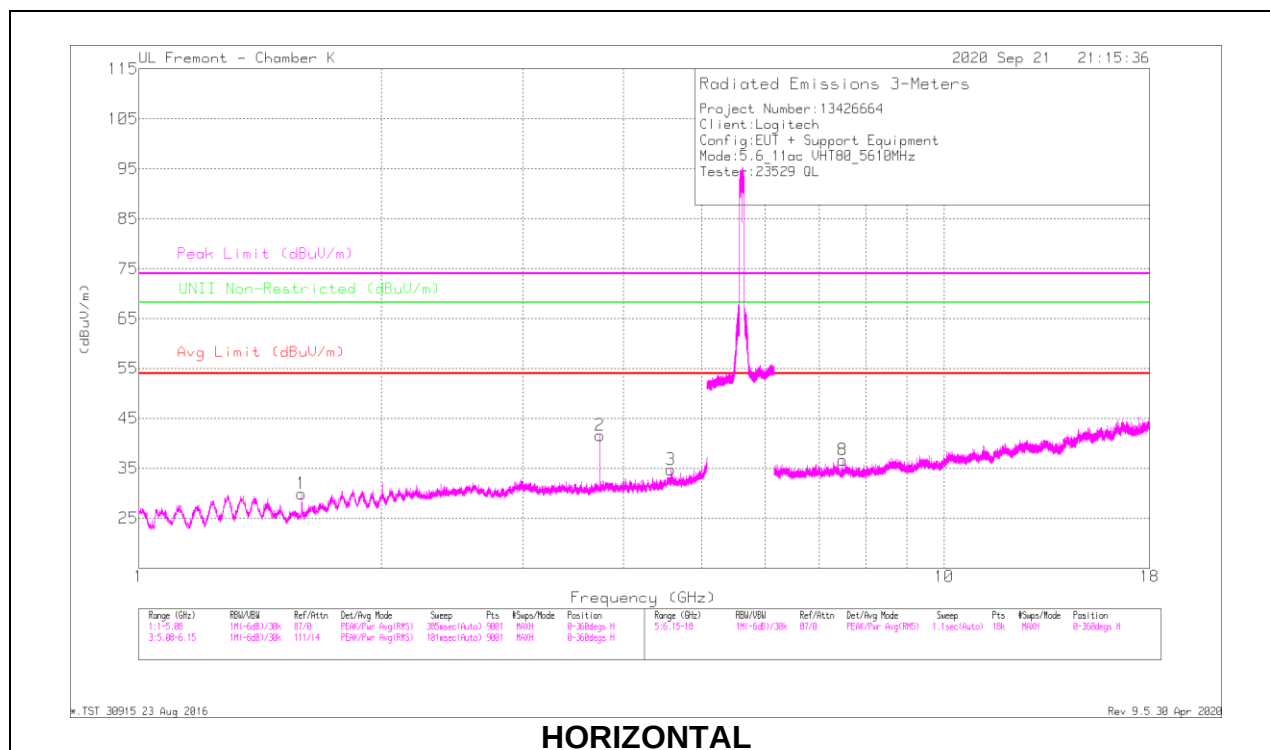
| Marker | Frequency (GHz) | Meas Reading (dBm) | Det  | AF 1583 (dBm) | Amp/Cat/HPad (dB) | DC Corr (dB) | Corrected Reading (dBm) | Avg Limit (dBm) | Margin (dB) | Peak Limit (dBm) | PK Margin (dB) | ULR Non-Restricted (dBm) | PK Margin (dB) | Altitude (m) | Height (m) | Polarity |
|--------|-----------------|--------------------|------|---------------|-------------------|--------------|-------------------------|-----------------|-------------|------------------|----------------|--------------------------|----------------|--------------|------------|----------|
| 1      | * 1.59317       | 66.26              | PK-U | 28.1          | -46.1             | 0            | 46.26                   | -               | -           | 74               | -25.74         | -                        | -              | 87           | 298        | H        |
|        | * 1.59403       | 45.72              | ADR  | 28.1          | -46.2             | 85           | 28.46                   | 54              | -25.54      | -                | -              | -                        | -              | 87           | 298        | H        |
| 2      | * 3.69667       | 53.53              | PK-U | 33.5          | -42.1             | 0            | 44.93                   | -               | -           | 74               | -29.07         | -                        | -              | 16           | 183        | H        |
|        | * 3.69669       | 48.8               | ADR  | 33.5          | -42.1             | 85           | 41.04                   | 54              | -12.96      | -                | -              | -                        | -              | 16           | 183        | H        |
| 3      | * 7.37255       | 45.25              | PK-U | 35.9          | -37.8             | 0            | 43.35                   | -               | -           | 74               | -30.65         | -                        | -              | 226          | 104        | H        |
|        | * 7.37349       | 34.51              | ADR  | 35.9          | -37.8             | 85           | 33.45                   | 54              | -20.55      | -                | -              | -                        | -              | 226          | 104        | H        |
| 4      | * 1.59295       | 64.24              | PK-U | 28.1          | -46.1             | 0            | 46.24                   | -               | -           | 74               | -27.76         | -                        | -              | 323          | 101        | V        |
|        | * 1.59771       | 44.61              | ADR  | 28.1          | -46.2             | 85           | 27.35                   | 54              | -26.65      | -                | -              | -                        | -              | 323          | 101        | V        |
| 5      | 3.48205         | 57.24              | PK-U | 32.9          | -42.2             | 0            | 47.84                   | -               | -           | 74               | -29.17         | 68.2                     | -20.36         | 353          | 267        | V        |
|        | * 3.69667       | 53.43              | PK-U | 33.5          | -42.1             | 0            | 44.83                   | -               | -           | 74               | -29.17         | -                        | -              | 10           | 198        | V        |
|        | * 3.69668       | 48.42              | ADR  | 33.5          | -42.1             | 85           | 40.66                   | 54              | -13.34      | -                | -              | -                        | -              | 10           | 198        | V        |
| 7      | * 7.37335       | 45.28              | PK-U | 35.9          | -37.8             | 0            | 43.38                   | -               | -           | 74               | -30.62         | -                        | -              | 284          | 348        | V        |
|        | * 7.37339       | 34.63              | ADR  | 35.9          | -37.8             | 85           | 33.57                   | 54              | -20.43      | -                | -              | -                        | -              | 284          | 348        | V        |

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

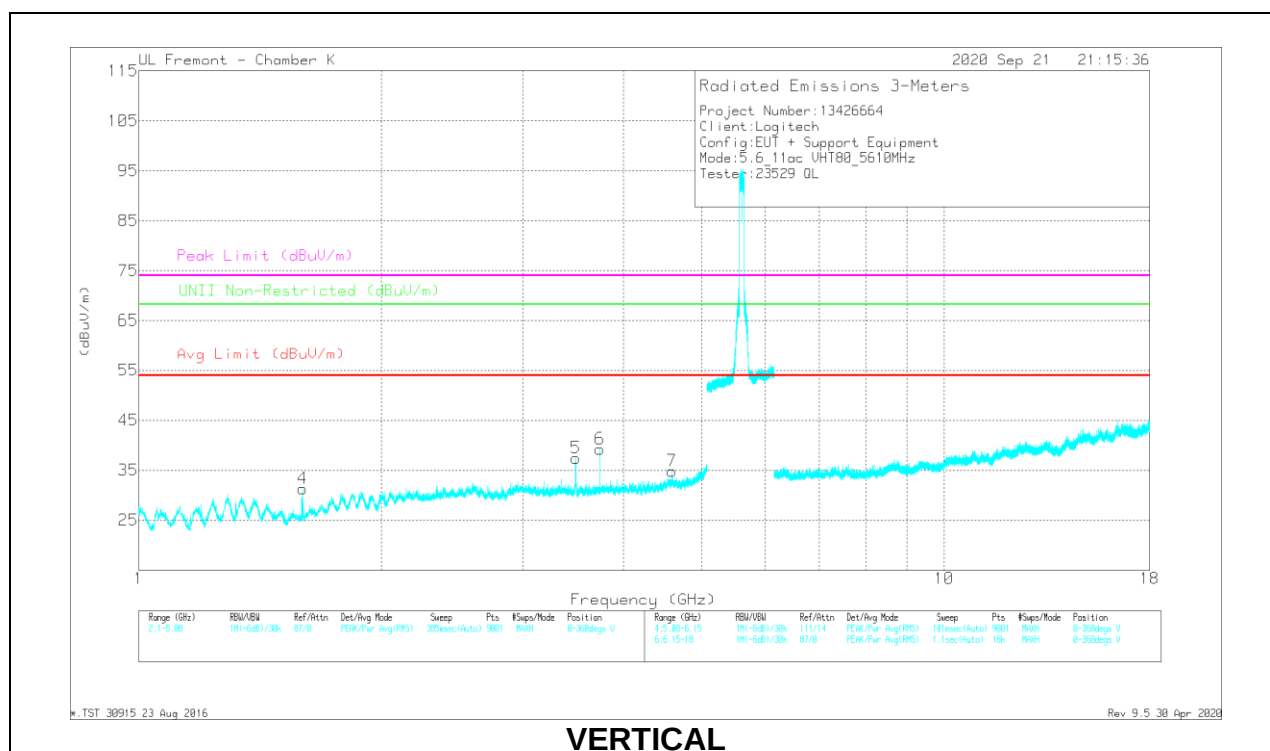
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

## HIGH CHANNEL RESULTS



## HORIZONTAL



## VERTICAL

## RADIATED EMISSIONS

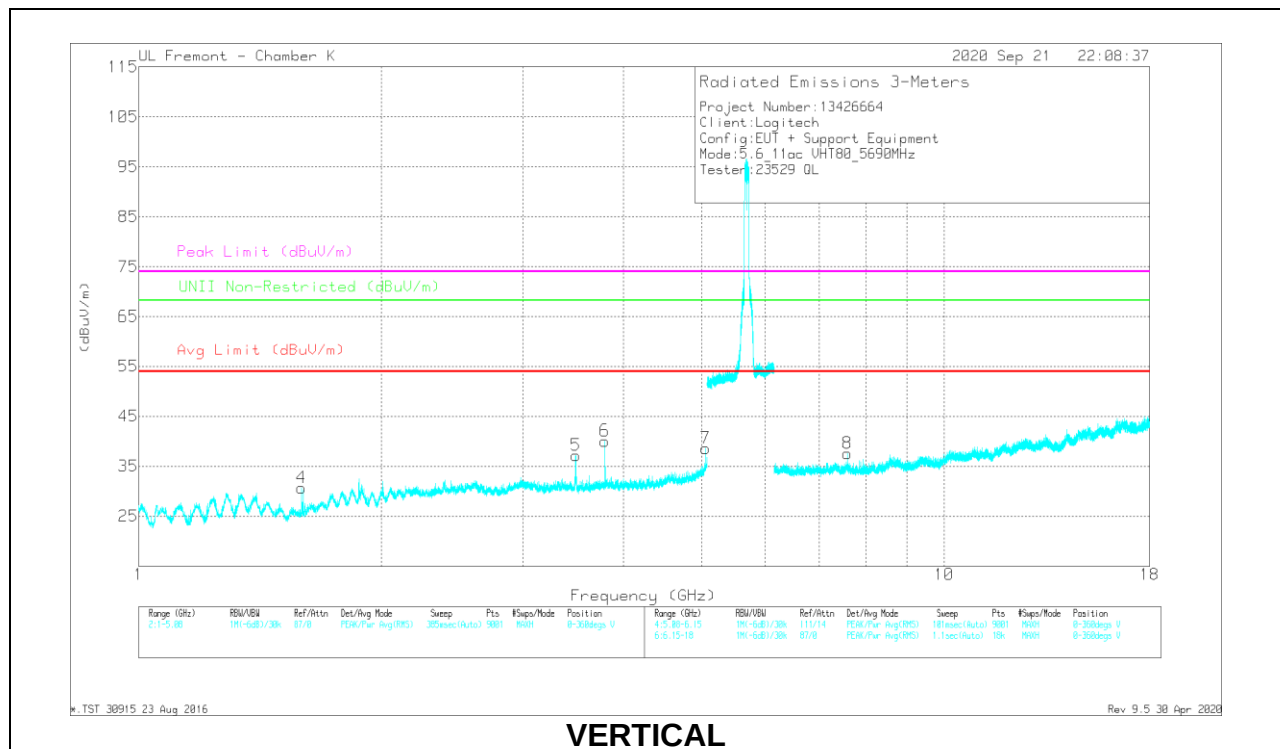
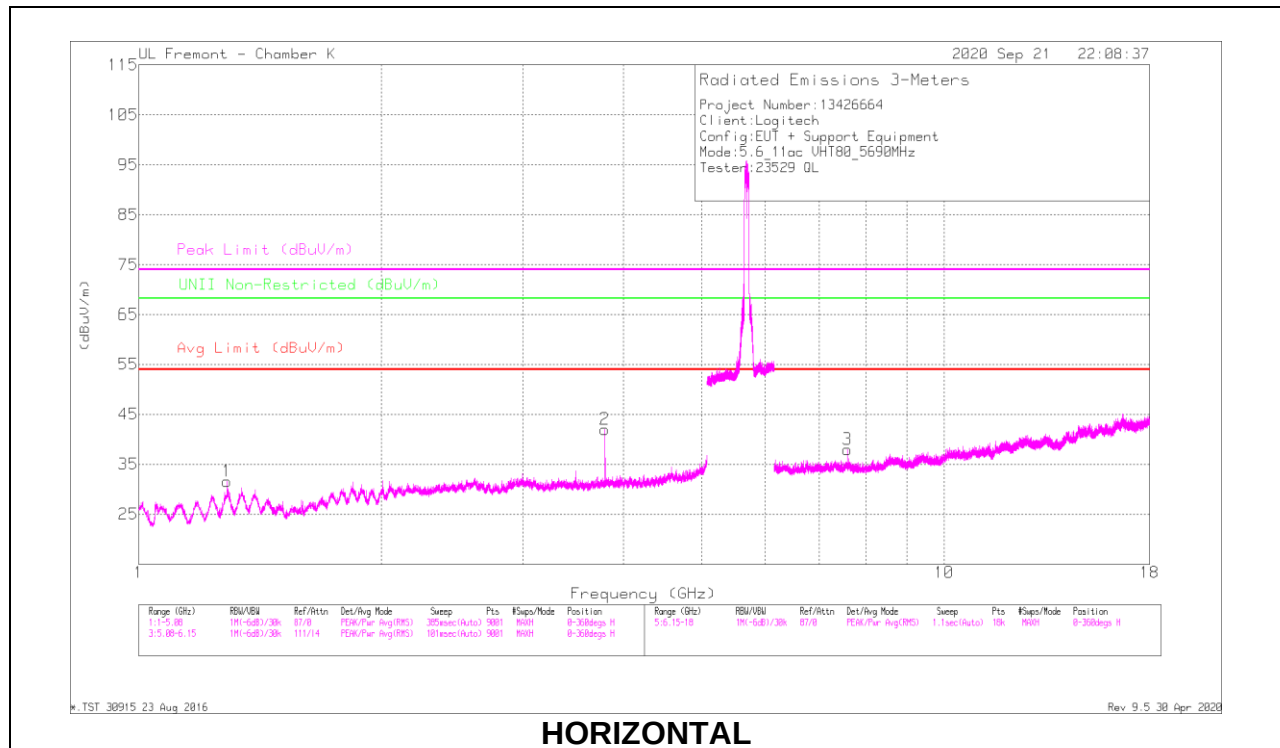
| Marker | Frequency (GHz) | Meas Reading (dBm) | Det  | AF 1583 (dBm) | Ampl/Cat/HotPad (dB) | DC Corr (dB) | Corrected Reading (dBm) | Avg Limit (dBm) | Margin (dB) | Peak Limit (dBm) | PK Margin (dB) | Limit Non-Restricted (dBm) | PK Margin (dB) | Altitude (m) | Height (m) | Polarity |
|--------|-----------------|--------------------|------|---------------|----------------------|--------------|-------------------------|-----------------|-------------|------------------|----------------|----------------------------|----------------|--------------|------------|----------|
| 1      | * 1.59281       | 65.49              | PK-U | 28.1          | -46.1                | 0            | -47.49                  | -               | -           | 74               | -26.52         | -                          | -              | 90           | 172        | H        |
|        | * 1.59653       | 46.84              | ADR  | 28.1          | -46.2                | .85          | -29.58                  | 54              | -24.42      | -                | -              | -                          | -              | 90           | 172        | H        |
| 2      | * 3.74003       | 53.47              | PK-U | 33.6          | -42.1                | 0            | 44.97                   | -               | -           | 74               | -29.03         | -                          | -              | 14           | 221        | H        |
|        | * 3.74003       | 48.53              | ADR  | 33.6          | -42.1                | .85          | 40.87                   | 54              | -13.13      | -                | -              | -                          | -              | 14           | 221        | H        |
| 3      | * 4.5797        | 50.11              | PK-U | 34.3          | -41.3                | 0            | 43.11                   | -               | -           | 74               | -30.89         | -                          | -              | 235          | 336        | H        |
|        | * 4.57623       | 38.08              | ADR  | 34.3          | -41.3                | .85          | 31.92                   | 54              | -22.08      | -                | -              | -                          | -              | 295          | 336        | H        |
| 8      | * 7.48006       | 46.58              | PK-U | 36            | -38.2                | 0            | 44.38                   | -               | -           | 74               | -29.62         | -                          | -              | 324          | 166        | H        |
|        | * 7.48006       | 37.19              | ADR  | 36            | -38.2                | .85          | 35.83                   | 54              | -18.17      | -                | -              | -                          | -              | 324          | 166        | H        |
| 4      | * 1.59777       | 64.46              | PK-U | 28.1          | -46.2                | 0            | 46.36                   | -               | -           | 74               | -27.64         | -                          | -              | 236          | 115        | V        |
|        | * 1.59381       | 44.89              | ADR  | 28.1          | -46.2                | .85          | 27.63                   | 54              | -26.37      | -                | -              | -                          | -              | 296          | 115        | V        |
| 5      | * 3.48778       | 55.62              | PK-U | 32.8          | -42.1                | 0            | 46.32                   | -               | -           | -                | -              | 68.2                       | -21.88         | 353          | 217        | V        |
|        | * 3.73997       | 51.66              | PK-U | 33.6          | -42.1                | 0            | 43.16                   | -               | -           | 74               | -30.84         | -                          | -              | 339          | 186        | V        |
| 6      | * 3.74005       | 44.96              | ADR  | 33.6          | -42.1                | .85          | 37.3                    | 54              | -16.7       | -                | -              | -                          | -              | 339          | 186        | V        |
|        | * 4.58924       | 49.76              | PK-U | 34.2          | -41.3                | 0            | 42.66                   | -               | -           | 74               | -31.34         | -                          | -              | 236          | 321        | V        |
| 7      | * 4.58184       | 39.45              | ADR  | 34.3          | -41.3                | .85          | 32.29                   | 54              | -21.71      | -                | -              | -                          | -              | 236          | 321        | V        |

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

## CHANNEL 138 RESULTS



## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meas. Reading (dBm) | Det  | AF 1583 (dBm) | Ampl/Cat/HotPad (dB) | DC Corr (dB) | Corrected Reading (dBm) | Avg Limit (dBm) | Margin (dB) | Peak Limit (dBm) | PK Margin (dB) | Limit from Restricted (dBm) | PK Margin (dB) | Altitude (m) | Height (m) | Polarity |
|--------|-----------------|---------------------|------|---------------|----------------------|--------------|-------------------------|-----------------|-------------|------------------|----------------|-----------------------------|----------------|--------------|------------|----------|
| 1      | * 1.28923       | 56.64               | PK-U | 29.5          | -46.6                | 0            | 29.54                   | -               | -           | 74               | -34.46         | -                           | -              | 72           | 399        | H        |
|        | * 1.28911       | 44.81               | ADR  | 29.5          | -46.6                | .85          | 28.55                   | 54              | -25.45      | -                | -              | -                           | -              | 72           | 399        | H        |
| 2      | * 3.79342       | 52.95               | PK-U | 33.6          | -42.1                | 0            | 44.45                   | -               | -           | 74               | -29.55         | -                           | -              | 237          | 99         | H        |
|        | * 3.79338       | 46.54               | ADR  | 33.6          | -42.1                | .85          | 38.88                   | 54              | -15.12      | -                | -              | -                           | -              | 237          | 99         | H        |
| 3      | * 7.58685       | 46.09               | PK-U | 36.1          | -37.9                | 0            | 44.29                   | -               | -           | 74               | -28.71         | -                           | -              | 228          | 112        | H        |
|        | * 7.58674       | 35.22               | ADR  | 36.1          | -37.9                | .85          | 34.26                   | 54              | -19.74      | -                | -              | -                           | -              | 228          | 112        | H        |
| 4      | * 1.59525       | 64.08               | PK-U | 28.1          | -46.2                | 0            | 45.98                   | -               | -           | 74               | -28.02         | -                           | -              | 327          | 98         | V        |
|        | * 1.59283       | 44.85               | ADR  | 28.1          | -46.1                | .85          | 27.69                   | 54              | -26.31      | -                | -              | -                           | -              | 327          | 98         | V        |
| 5      | * 3.48553       | 57.49               | PK-U | 32.9          | -42.1                | 0            | 48.19                   | -               | -           | 74               | -30.57         | 68.2                        | -20.01         | 355          | 215        | V        |
| 6      | * 3.7934        | 51.93               | PK-U | 33.6          | -42.1                | 0            | 43.43                   | -               | -           | 74               | -30.57         | -                           | -              | 340          | 366        | V        |
|        | * 3.79339       | 45.11               | ADR  | 33.6          | -42.1                | .85          | 37.45                   | 54              | -16.55      | -                | -              | -                           | -              | 340          | 366        | V        |
| 7      | * 5.05771       | 48.93               | PK-U | 34.3          | -38.2                | 0            | 45.03                   | -               | -           | 74               | -28.97         | -                           | -              | 320          | 97         | V        |
|        | * 5.05764       | 38.51               | ADR  | 34.3          | -38.2                | .85          | 35.45                   | 54              | -18.55      | -                | -              | -                           | -              | 320          | 97         | V        |
| 8      | * 7.58701       | 46.46               | PK-U | 36.1          | -37.9                | 0            | 44.66                   | -               | -           | 74               | -29.34         | -                           | -              | 234          | 135        | V        |
|        | * 7.58677       | 34.15               | ADR  | 36.1          | -37.9                | .85          | 33.19                   | 54              | -20.81      | -                | -              | -                           | -              | 234          | 135        | V        |

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

PK-U - U-NII: Maximum Peak

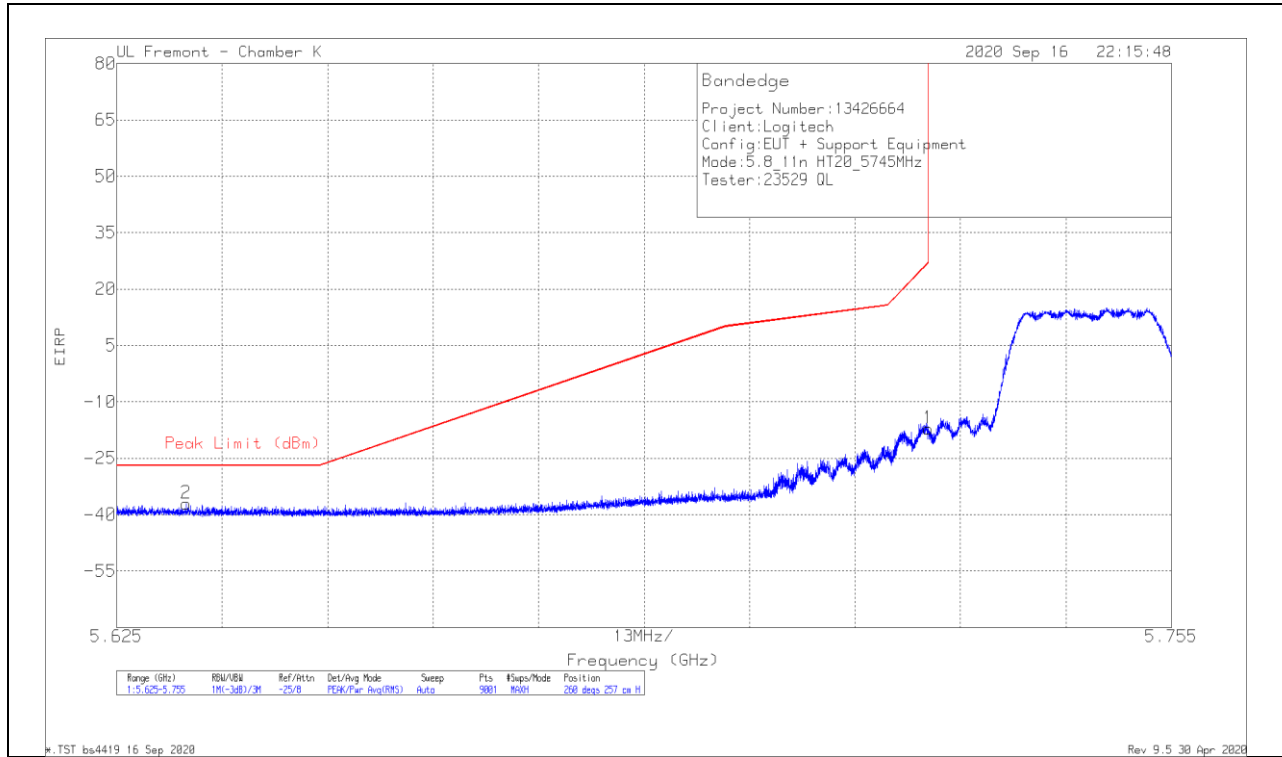
ADR - U-NII AD primary method, RMS average

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

### 2TX Antenna 1 + Antenna 2 CDD MODE

### BANDEDGE (LOW CHANNEL)

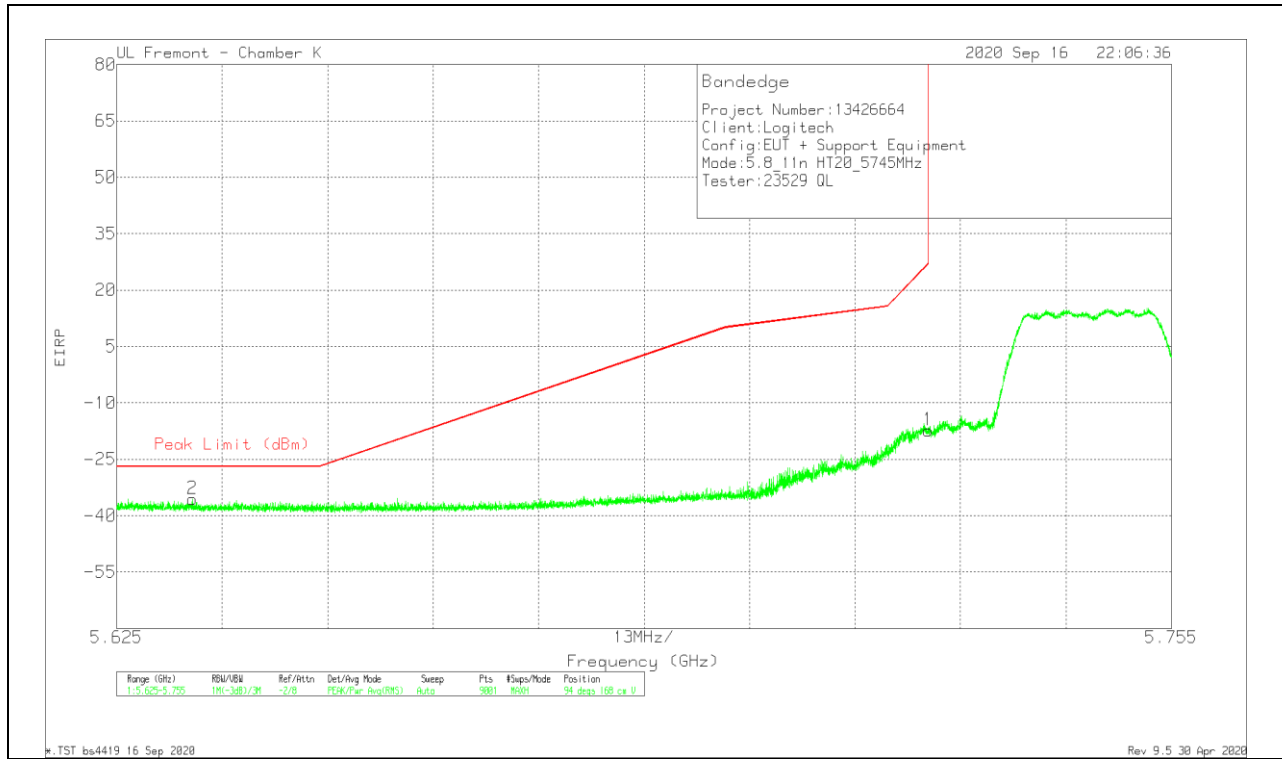
### HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T863 (dB/m) | Amp/CbI/Ftr/Pa d (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|-----------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.725           | -57.22              | Pk  | 35.1           | -6.8                  | 11.8                   | -17.12                 | 26.99            | -44.11         | 260            | 257         | H        |
| 2      | 5.63358         | -77.43              | Pk  | 35.3           | -6.8                  | 11.8                   | -37.13                 | -27              | -10.13         | 260            | 257         | H        |

Pk - Peak detector

## VERTICAL RESULT

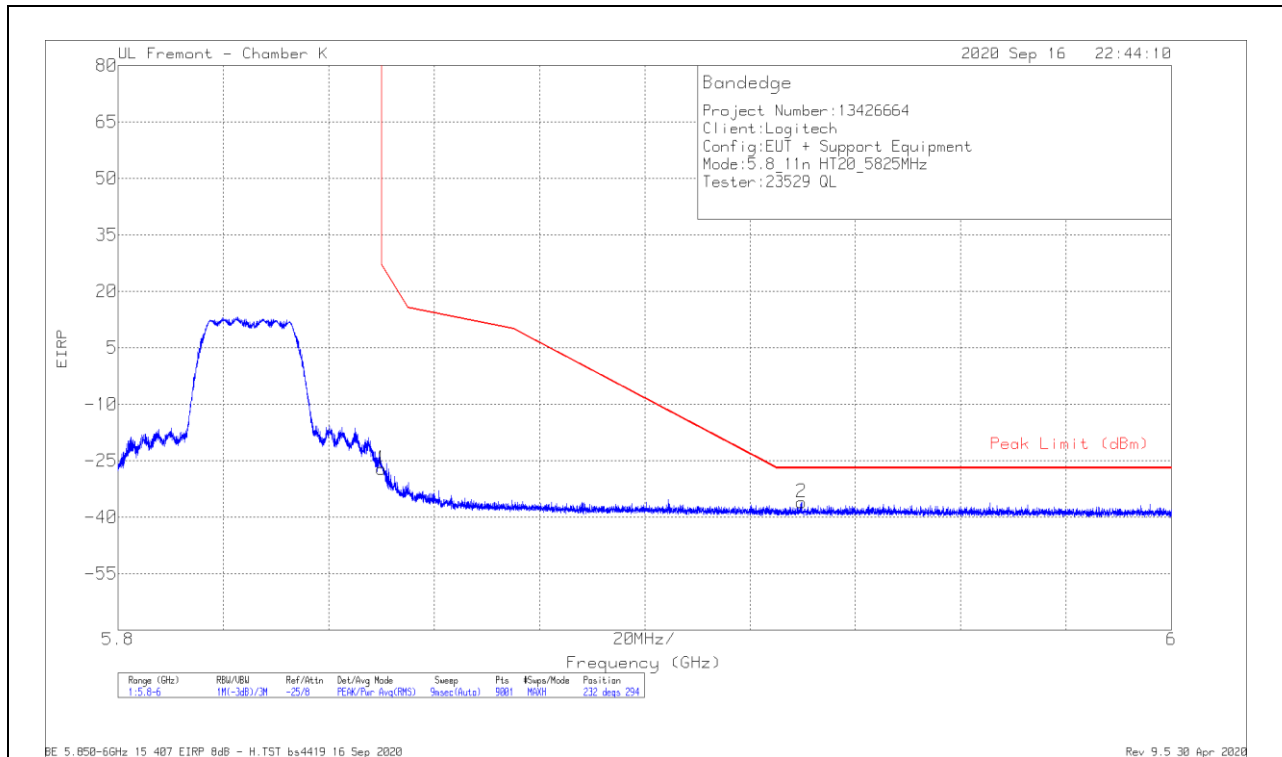


| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T863 (dB/m) | Amp/Cbl/Fitr/P ad (dB) | Conversion Factor (dB) | DC Corr (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|--------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.725           | -57.47              | Pk  | 35.1           | -6.8                   | 11.8                   | 0            | -17.37                 | 26.99            | -44.36         | 94             | 168         | V        |
| 2      | 5.63432         | -75.89              | Pk  | 35.3           | -6.8                   | 11.8                   | 0            | -35.59                 | -27              | -8.59          | 94             | 168         | V        |

Pk - Peak detector

## BANDEDGE (HIGH CHANNEL)

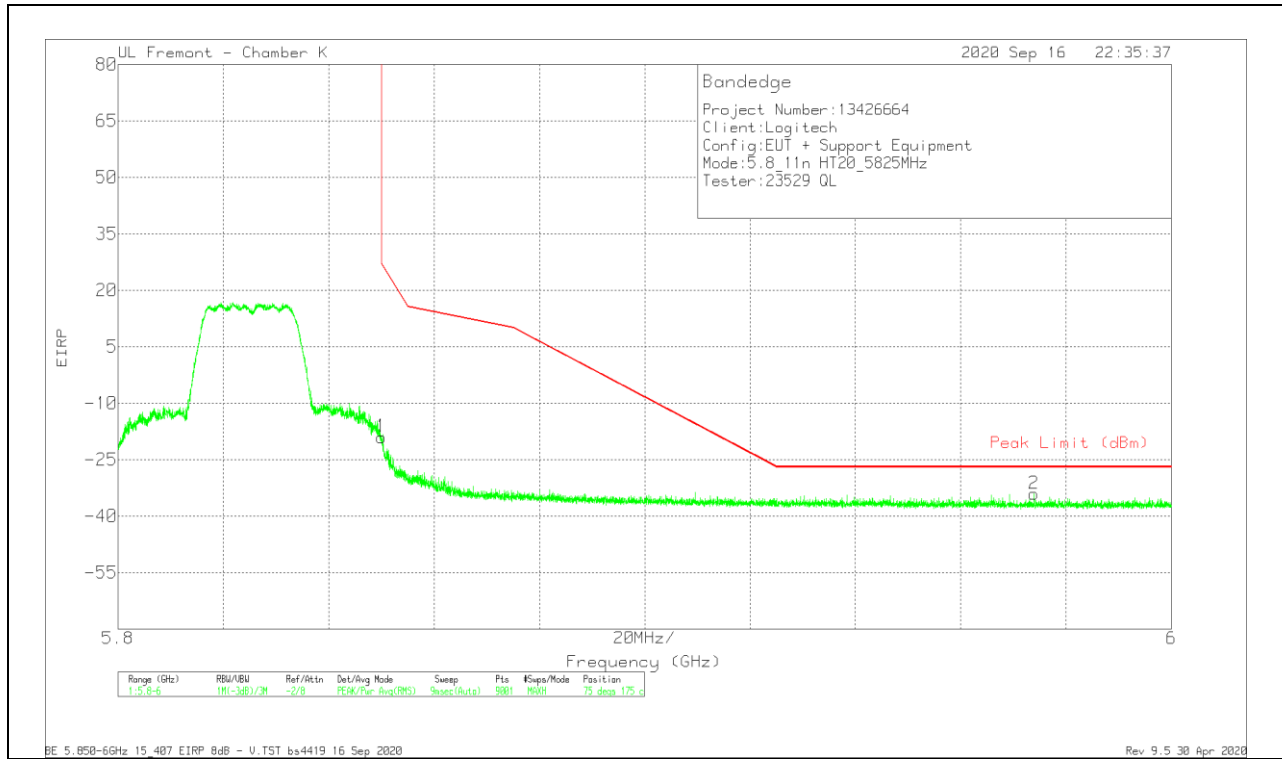
### HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T863 (dB/m) | Amp/Cbl/Filt/P ad (dB) | Conversion Factor (dB) | DC Corr (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|--------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85002         | -67.55              | Pk  | 35.1           | -6.5                   | 11.8                   | 0            | -27.15                 | 26.95            | -54.1          | 232            | 294         | H        |
| 2      | 5.92978         | -76.81              | Pk  | 35.4           | -6.4                   | 11.8                   | 0            | -36.01                 | -27              | -9.01          | 232            | 294         | H        |

Pk - Peak detector

## VERTICAL RESULT

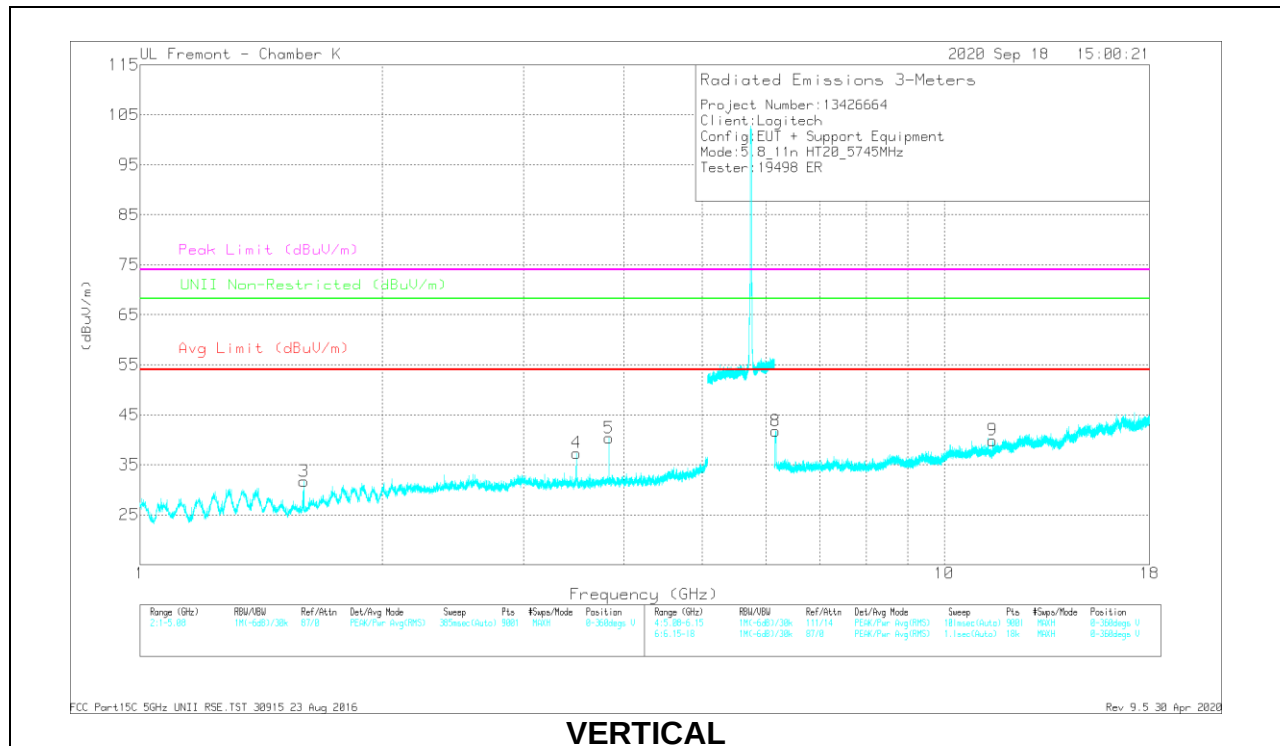
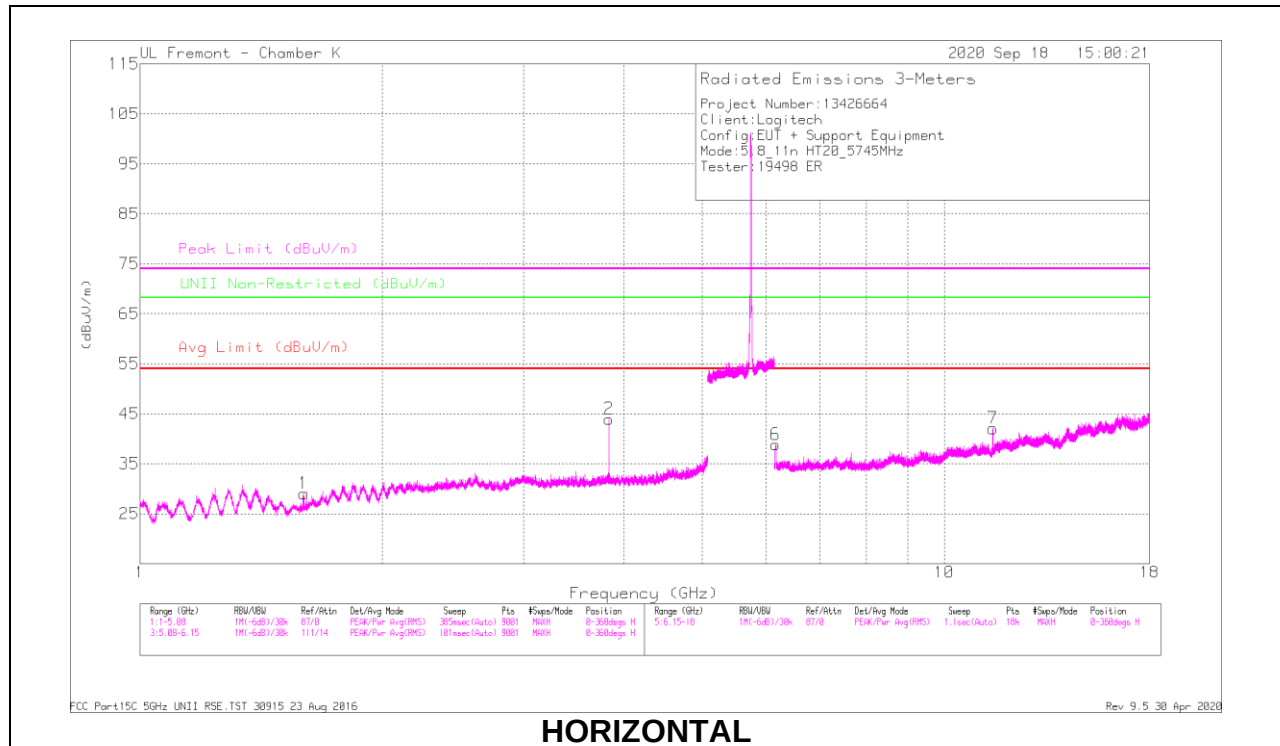


| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T863 (dB/m) | Amp/Cbl/Filt/P ad (dB) | Conversion Factor (dB) | DC Corr (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|--------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85002         | -59.39              | Pk  | 35.1           | -6.5                   | 11.8                   | 0            | -18.99                 | 26.95            | -45.94         | 75             | 175         | V        |
| 2      | 5.97391         | -74.88              | Pk  | 35.4           | -6.4                   | 11.8                   | 0            | -34.08                 | -27              | -7.08          | 75             | 175         | V        |

Pk - Peak detector

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



## RADIATED EMISSIONS

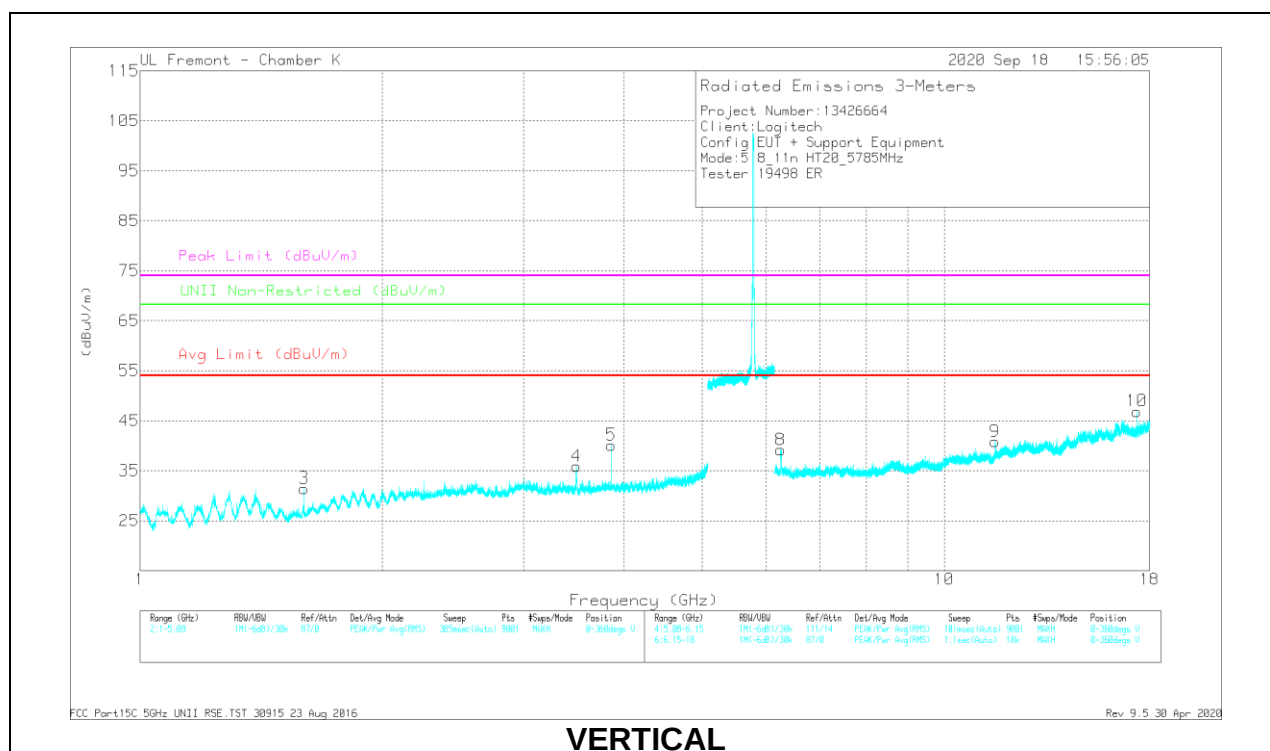
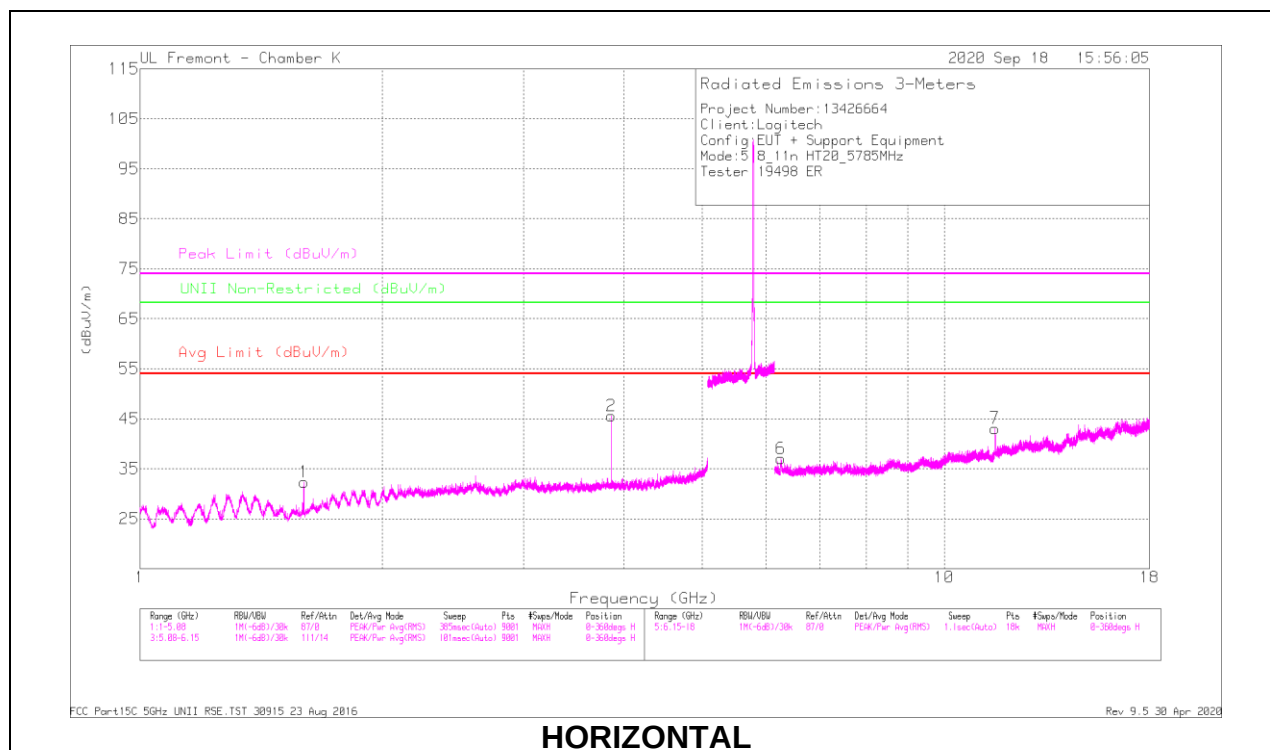
| Marker | Frequency (GHz) | Meas Reading (dBuV) | Det  | AF 1583 (dBm) | AmpCoeffInPad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNE Non-Restricted (dBuV/m) | PK Margin (dB) | Altitude (Feet) | Height (m) | Polarity |
|--------|-----------------|---------------------|------|---------------|--------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|-----------------------------|----------------|-----------------|------------|----------|
| 1      | * 1.59203       | 54.77               | PK-U | 29.1          | -46.1              | 0            | 46.77                      | -                  | -           | 74                  | -27.23         | -                           | -              | 291             | 279        | H        |
|        | * 1.59801       | 45.05               | ADR  | 29.1          | -46.2              | -22          | 27.78                      | 54                 | -26.22      | -                   | -              | -                           | -              | 291             | 279        | H        |
| 2      | * 3.83004       | 54.43               | PK-U | 33.5          | -42                | 0            | 45.93                      | -                  | -           | 74                  | -28.07         | -                           | -              | 41              | 181        | H        |
|        | * 3.83007       | 50.46               | ADR  | 33.5          | -42                | -22          | 42.19                      | 54                 | -11.81      | -                   | -              | -                           | -              | 41              | 181        | H        |
| 6      | 6.17192         | 52.55               | PK-U | 35.8          | -38.8              | 0            | 49.55                      | -                  | -           | -                   | -              | 69.2                        | -18.66         | 47              | 113        | H        |
| 7      | * 11.49411      | 49.59               | PK-U | 38.2          | -36.4              | 0            | 51.39                      | -                  | -           | 74                  | -22.61         | -                           | -              | 61              | 204        | H        |
|        | * 11.4994       | 38.94               | ADR  | 38.2          | -36.4              | -22          | 40.97                      | 54                 | -13.03      | -                   | -              | -                           | -              | 61              | 204        | H        |
| 3      | * 1.5969        | 65.11               | PK-U | 28.1          | -46.2              | 0            | 47.01                      | -                  | -           | 74                  | -26.99         | -                           | -              | 76              | 206        | V        |
|        | * 1.59209       | 44.9                | ADR  | 28.1          | -46.1              | -22          | 27.13                      | 54                 | -26.87      | -                   | -              | -                           | -              | 76              | 206        | V        |
| 4      | 3.88886         | 57.44               | PK-U | 32.8          | -42.1              | 0            | 48.14                      | -                  | -           | -                   | -              | 68.2                        | -20.06         | 3               | 269        | V        |
|        | * 3.82998       | 53.37               | PK-U | 33.5          | -42                | 0            | 44.87                      | -                  | -           | 74                  | -29.13         | -                           | -              | 10              | 200        | V        |
|        | * 3.83006       | 45.61               | ADR  | 33.5          | -42                | -22          | 37.34                      | 54                 | -16.66      | -                   | -              | -                           | -              | 10              | 200        | V        |
| 8      | 6.16759         | 55.04               | PK-U | 35.8          | -38.8              | 0            | 52.04                      | -                  | -           | -                   | -              | 69.2                        | -16.18         | 63              | 182        | V        |
| 9      | * 11.49445      | 48.23               | PK-U | 38.2          | -36.4              | 0            | 50.03                      | -                  | -           | 74                  | -23.97         | -                           | -              | 354             | 264        | V        |
|        | * 11.49945      | 37.14               | ADR  | 38.2          | -36.5              | -22          | 39.07                      | 54                 | -14.93      | -                   | -              | -                           | -              | 354             | 264        | V        |

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

## MID CHANNEL RESULTS



## RADIATED EMISSIONS

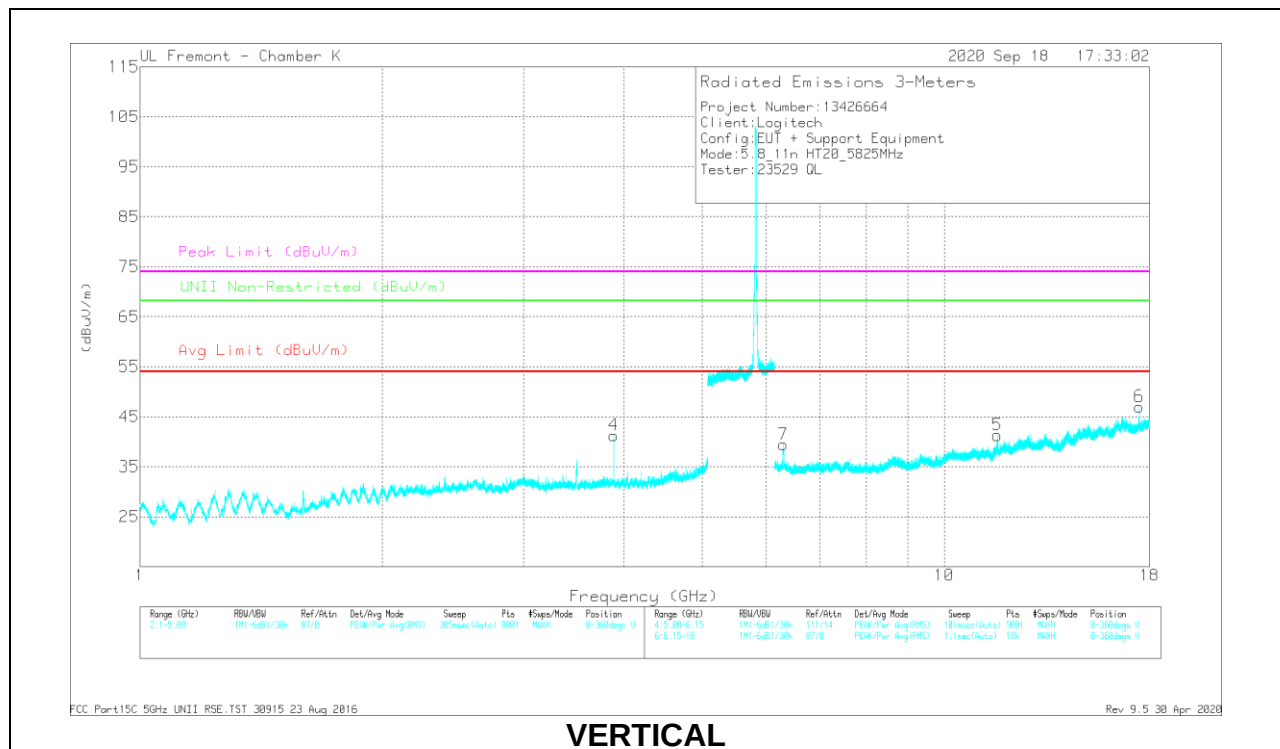
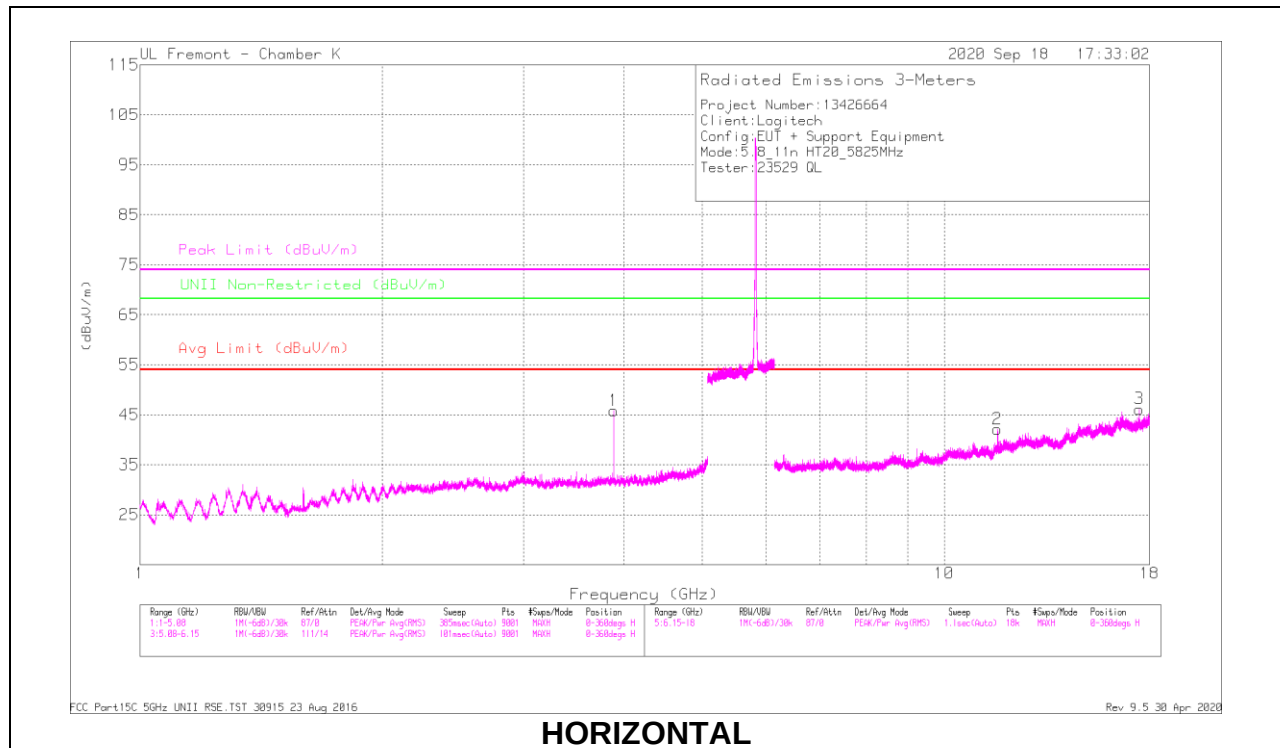
| Marker | Frequency (GHz) | Meter Read (µV/dBm) | Det  | AF 158.3 (dBm) | Amplitude (µV) | DC Corr (dB) | Corrected Read (µV/dBm) | Avg Limit (dBm) | Margin (dB) | Peak Limit (dBm) | PK Margin (dB) | Unit Read (µV/dBm) | PK Margin (dB) | Antenna (dBi) | Height (m) | Polarity |
|--------|-----------------|---------------------|------|----------------|----------------|--------------|-------------------------|-----------------|-------------|------------------|----------------|--------------------|----------------|---------------|------------|----------|
| 1      | * 1.59676       | 66.45               | PK-U | 28.1           | -46.2          | 0            | 48.35                   | -               | -           | 74               | -25.65         | -                  | -              | 283           | 268        | H        |
|        | * 1.59338       | 46.9                | ADR  | 28.1           | -46.1          | 22           | 29.13                   | 54              | -24.87      | -                | -              | -                  | -              | 283           | 268        | H        |
| 2      | * 3.85675       | 55.79               | PK-U | 33.6           | -41.9          | 0            | 44.89                   | -               | -           | 74               | -26.51         | -                  | -              | 21            | 181        | H        |
|        | * 3.85673       | 52.94               | ADR  | 33.6           | -41.9          | 22           | 44.87                   | 54              | -9.13       | -                | -              | -                  | -              | 21            | 181        | H        |
| 6      | 6.2614          | 49.63               | PK-U | 35.8           | -39            | 0            | 48.43                   | -               | -           | -                | -              | 68.2               | -21.77         | 274           | 175        | H        |
| 7      | * 11.56949      | 50.24               | PK-U | 38.3           | -36.2          | 0            | 52.34                   | -               | -           | 74               | -21.66         | -                  | -              | 68            | 225        | H        |
|        | * 11.57219      | 38.03               | ADR  | 38.4           | -36.2          | 22           | 40.46                   | 54              | -13.54      | -                | -              | -                  | -              | 68            | 225        | H        |
| 3      | * 1.59475       | 66.79               | PK-U | 28.1           | -46.2          | 0            | 48.69                   | -               | -           | 74               | -25.31         | -                  | -              | 0             | 195        | V        |
|        | * 1.59729       | 44.01               | ADR  | 28.1           | -46.2          | 22           | 26.14                   | 54              | -27.86      | -                | -              | -                  | -              | 0             | 195        | V        |
| 4      | 3.48748         | 54.77               | PK-U | 32.8           | -42.1          | 0            | 45.47                   | -               | -           | -                | -              | 68.2               | -22.73         | 300           | 325        | V        |
| 5      | * 3.85677       | 52.62               | PK-U | 33.6           | -41.9          | 0            | 44.32                   | -               | -           | 74               | -29.68         | -                  | -              | 6             | 404        | V        |
|        | * 3.85673       | 47.66               | ADR  | 33.6           | -41.9          | 22           | 39.59                   | 54              | -14.41      | -                | -              | -                  | -              | 6             | 404        | V        |
| 8      | 6.26236         | 52.82               | PK-U | 35.8           | -39            | 0            | 49.62                   | -               | -           | -                | -              | 68.2               | -16.58         | 335           | 196        | V        |
| 9      | * 11.57213      | 48.35               | PK-U | 38.4           | -36.2          | 0            | 50.56                   | -               | -           | 74               | -23.45         | -                  | -              | 124           | 238        | V        |
|        | * 11.5724       | 36.45               | ADR  | 38.3           | -36.2          | 22           | 38.78                   | 54              | -15.22      | -                | -              | -                  | -              | 124           | 238        | V        |
| 10     | 17.35653        | 47.47               | PK-U | 41.7           | -32.3          | 0            | 56.87                   | -               | -           | -                | -              | 68.2               | -11.33         | 136           | 150        | V        |

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

## HIGH CHANNEL RESULTS



## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meas Reading (dBuV) | Det  | AF 1503 (dBm) | AmpCofFmPsd (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNE Non-Restricted (dBuV/m) | PK Margin (dB) | Altitude (Feet) | Height (m) | Polarity |
|--------|-----------------|---------------------|------|---------------|------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|-----------------------------|----------------|-----------------|------------|----------|
| 1      | * 3.88235       | 56.53               | PK-U | 33.6          | -41.8            | 0            | 49.33                      | -                  | -           | 74                  | -25.67         | -                           | -              | 18              | 196        | H        |
|        | * 3.8834        | 52.9                | ADR  | 33.6          | -41.8            | -22          | 44.93                      | 54                 | -9.07       | -                   | -              | -                           | -              | 18              | 196        | H        |
| 2      | * 11.64938      | 49                  | PK-U | 38.5          | -35.7            | 0            | 51.8                       | -                  | -           | 74                  | -22.2          | -                           | -              | 17              | 189        | H        |
|        | * 11.64941      | 37.77               | ADR  | 38.5          | -35.7            | -22          | 40.8                       | 54                 | -13.2       | -                   | -              | -                           | -              | 17              | 189        | H        |
| 3      | 17.4716         | 43.19               | PK-U | 42            | -32              | 0            | 53.19                      | -                  | -           | -                   | -              | 68.2                        | -14.41         | 142             | 109        | H        |
| 4      | * 3.88348       | 53.66               | PK-U | 33.6          | -41.8            | 0            | 45.46                      | -                  | -           | 74                  | -28.54         | -                           | -              | 327             | 145        | V        |
|        | * 3.8834        | 50.26               | ADR  | 33.6          | -41.8            | -22          | 42.29                      | 54                 | -11.71      | -                   | -              | -                           | -              | 327             | 145        | V        |
| 7      | 6.3131          | 51.87               | PK-U | 35.8          | -38.8            | 0            | 48.87                      | -                  | -           | -                   | -              | 68.2                        | -19.33         | 334             | 187        | V        |
| 5      | * 11.64951      | 49.07               | PK-U | 38.5          | -35.7            | 0            | 51.87                      | -                  | -           | 74                  | -22.13         | -                           | -              | 251             | 224        | V        |
|        | * 11.65235      | 36.39               | ADR  | 38.4          | -35.8            | -22          | 39.22                      | 54                 | -14.78      | -                   | -              | -                           | -              | 251             | 224        | V        |
| 6      | 17.47409        | 47.24               | PK-U | 42            | -32              | 0            | 57.24                      | -                  | -           | -                   | -              | 68.2                        | -10.96         | 126             | 177        | V        |

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

PK-U - U-NII: Maximum Peak

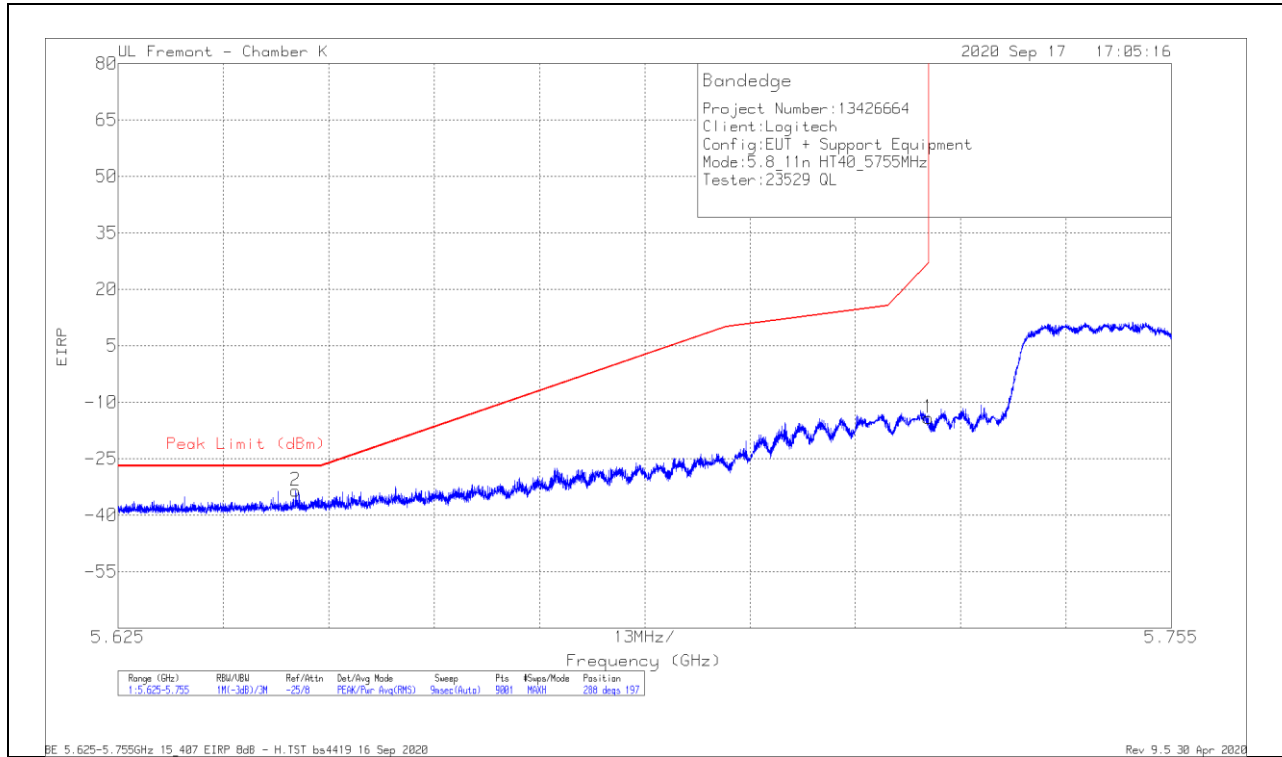
ADR - U-NII AD primary method, RMS average

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

### 2TX Antenna 1 + Antenna 2 CDD MODE

### BANDEDGE (LOW CHANNEL)

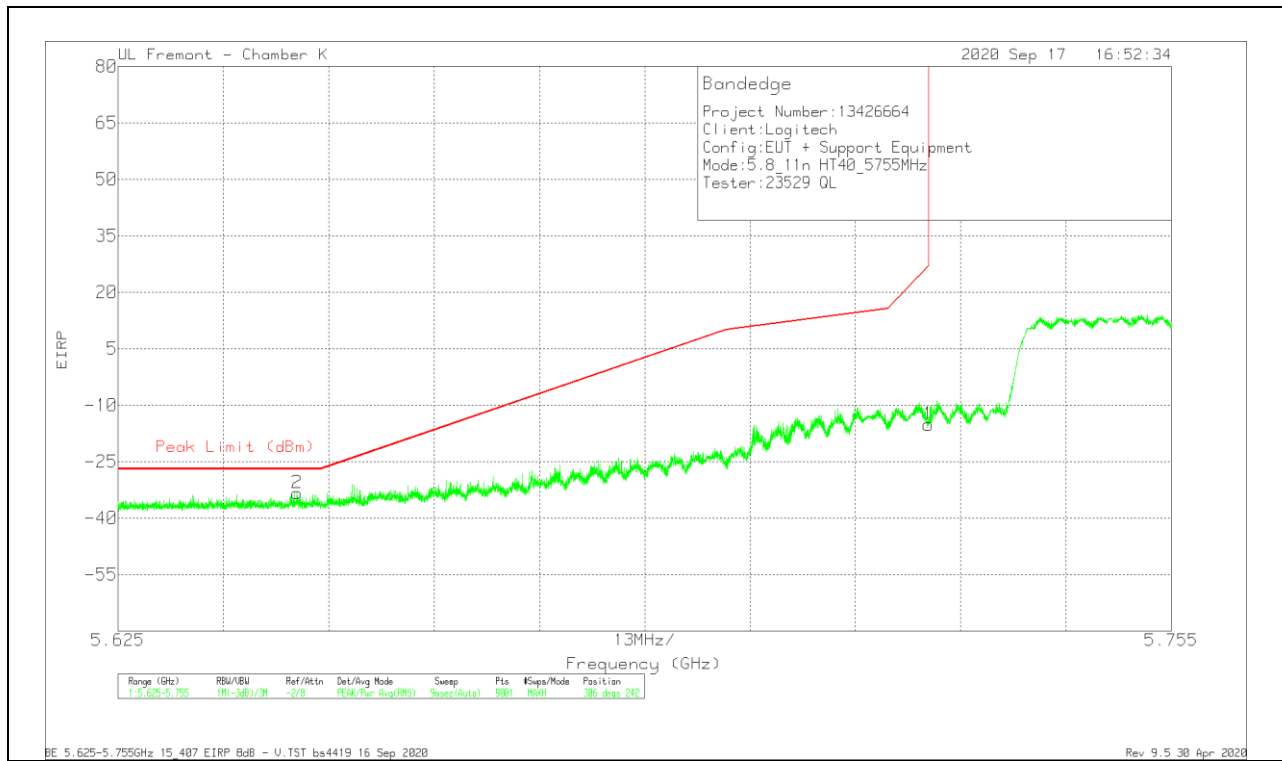
### HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T863 (dB/m) | Amp/Cbl/Filtr/P ad (dB) | Conversion Factor (dB) | DC Corr (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|-------------------------|------------------------|--------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.725           | -54.24              | Pk  | 35.1           | -6.8                    | 11.8                   | 0            | -14.14                 | 26.99            | -41.13         | 288            | 197         | H        |
| 2      | 5.6469          | -73.79              | Pk  | 35.3           | -6.8                    | 11.8                   | 0            | -33.49                 | -27              | -6.49          | 288            | 197         | H        |

Pk - Peak detector

## VERTICAL RESULT

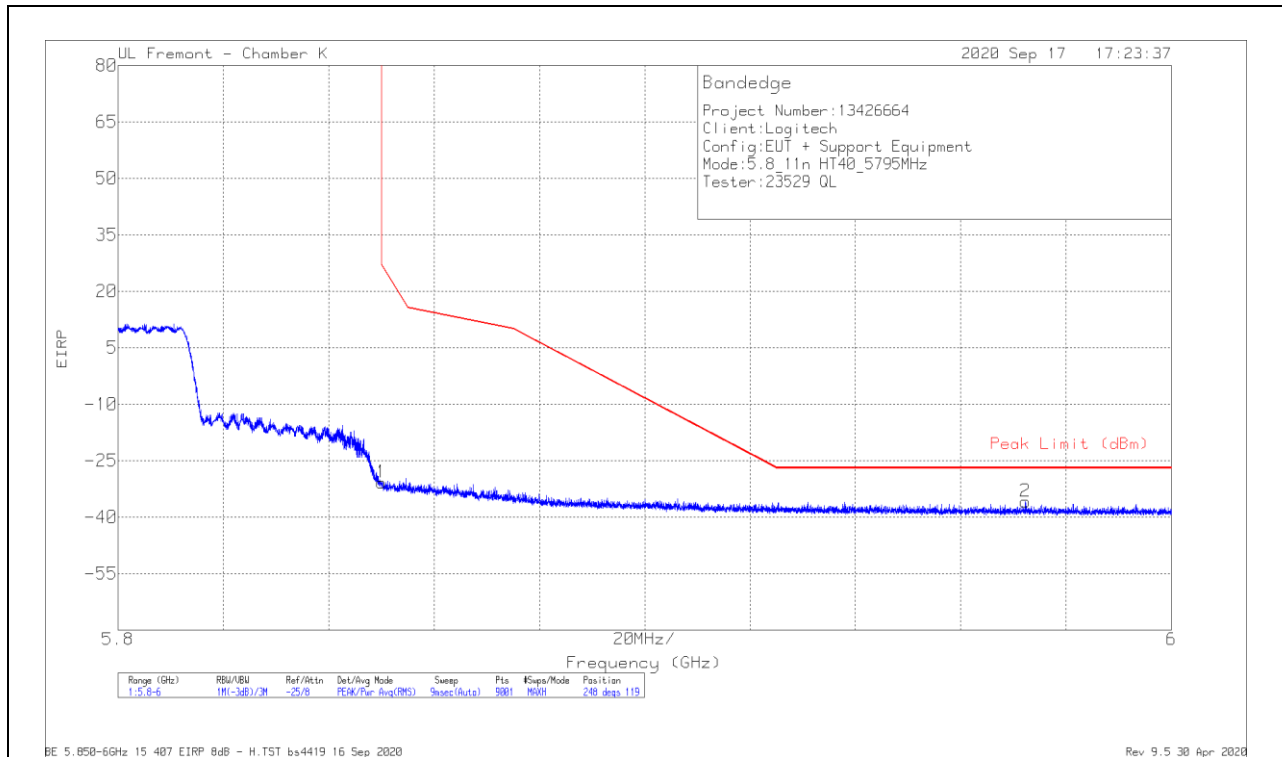


| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T863 (dB/m) | Amp/Cbl/Filr/P ad (dB) | Conversion Factor (dB) | DC Corr (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|--------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.725           | -55.25              | Pk  | 35.1           | -6.8                   | 11.8                   | 0            | -15.15                 | 26.99            | -42.14         | 306            | 242         | V        |
| 2      | 5.64708         | -73.68              | Pk  | 35.3           | -6.8                   | 11.8                   | 0            | -33.38                 | -27              | -6.38          | 306            | 242         | V        |

Pk - Peak detector

## BANDEDGE (HIGH CHANNEL)

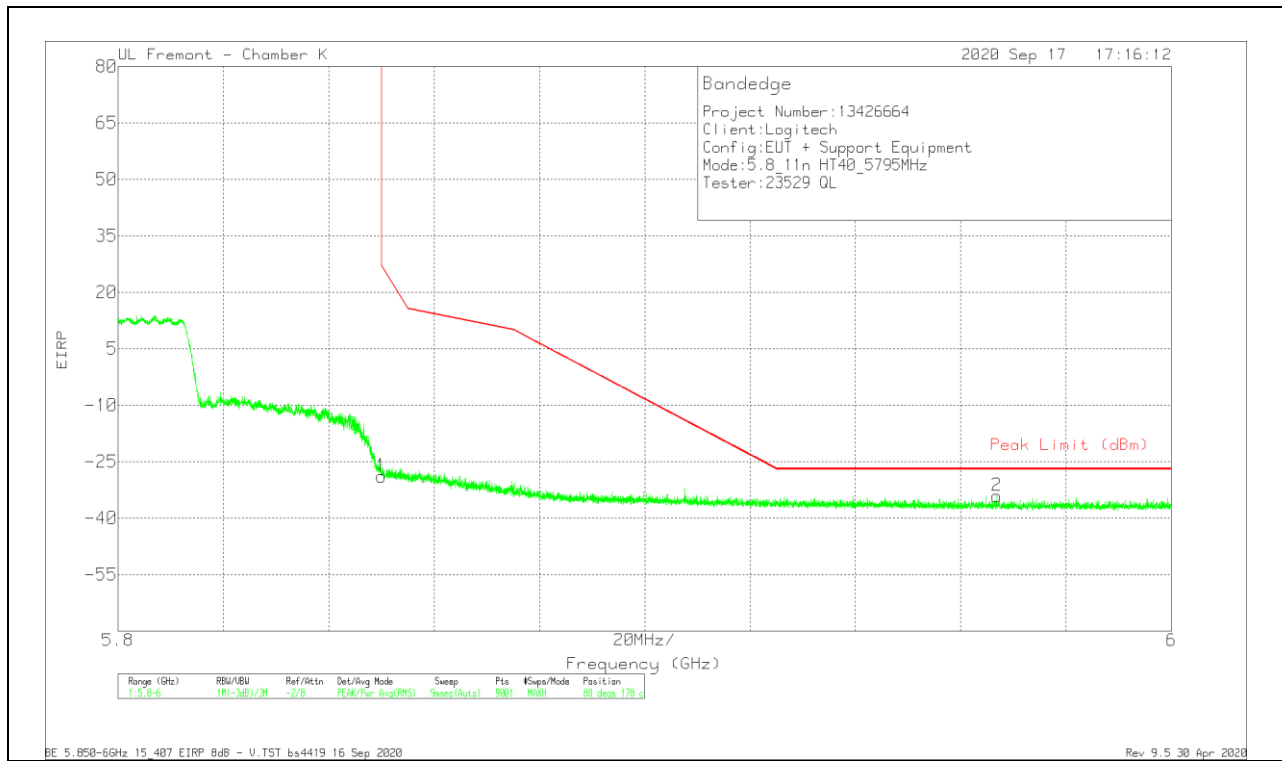
### HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T863 (dB/m) | Amp/Cbl/Ftr/P ad (dB) | Conversion Factor (dB) | DC Corr (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|-----------------------|------------------------|--------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85002         | -71.25              | Pk  | 35.1           | -6.5                  | 11.8                   | 0            | -30.85                 | 26.95            | -57.8          | 248            | 119         | H        |
| 2      | 5.97229         | -76.68              | Pk  | 35.3           | -6.3                  | 11.8                   | 0            | -35.88                 | -27              | -8.88          | 248            | 119         | H        |

Pk - Peak detector

## VERTICAL RESULT

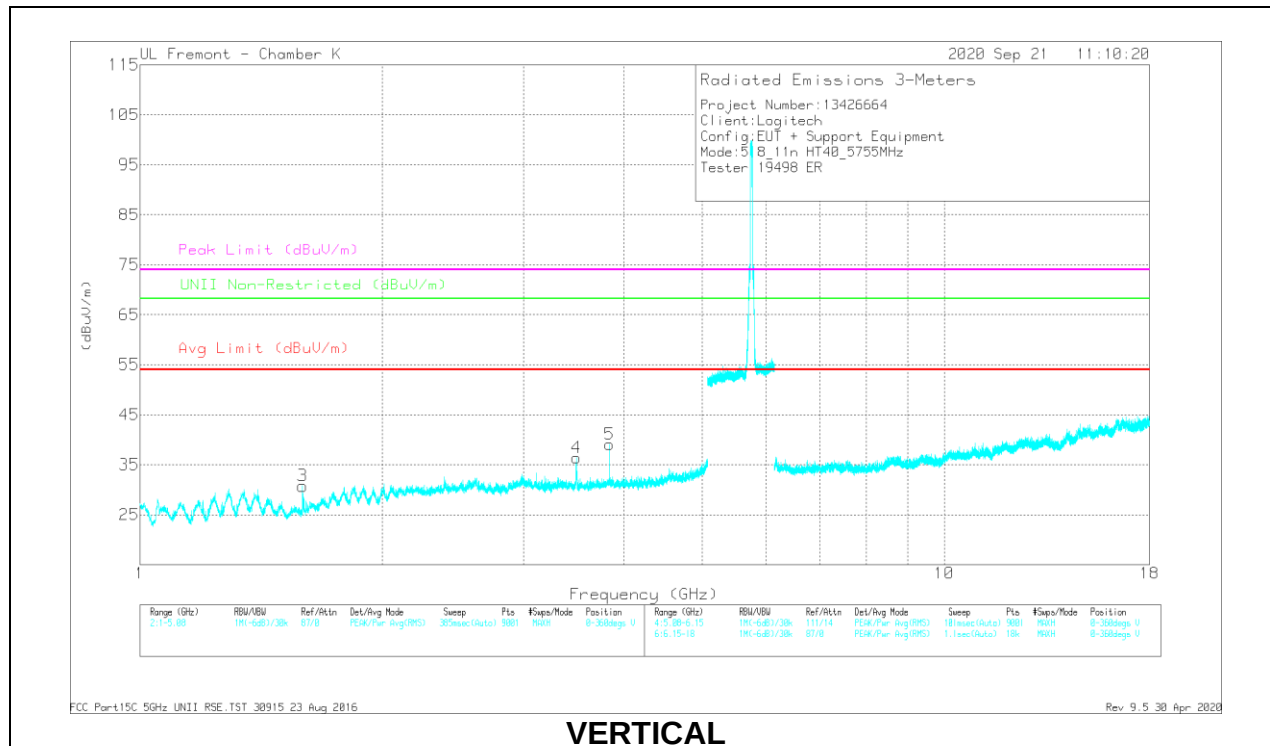
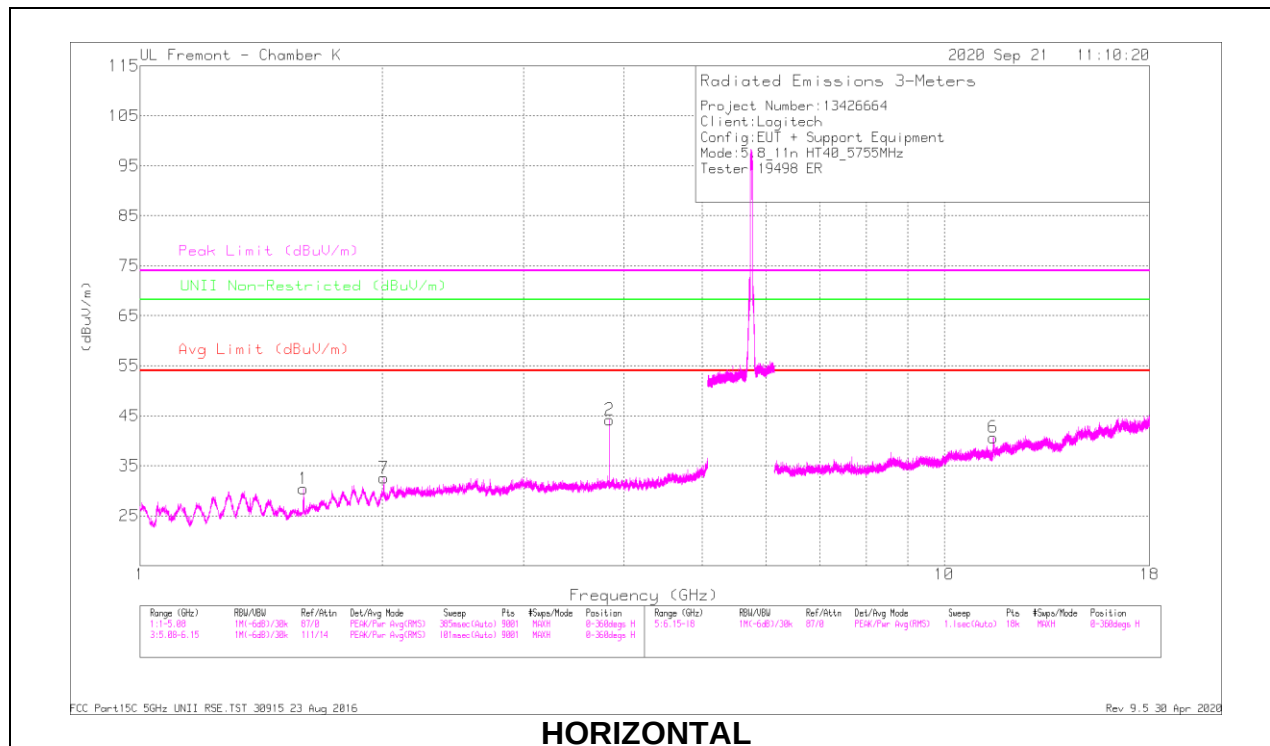


| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T863 (dBm) | Ampl/Cbl/Fitr /Pad (dB) | Conversion Factor (dB) | DC Corr (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degrees) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|---------------|-------------------------|------------------------|--------------|------------------------|------------------|----------------|-------------------|-------------|----------|
| 1      | 5.85002         | -69.27              | Pk  | 35.1          | -6.5                    | 11.8                   | 0            | -28.87                 | 26.95            | -55.82         | 88                | 178         | V        |
| 2      | 5.96684         | -74.94              | Pk  | 35.4          | -6.4                    | 11.8                   | 0            | -34.14                 | -27              | -7.14          | 88                | 178         | V        |

Pk - Peak detector

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



## RADIATED EMISSIONS

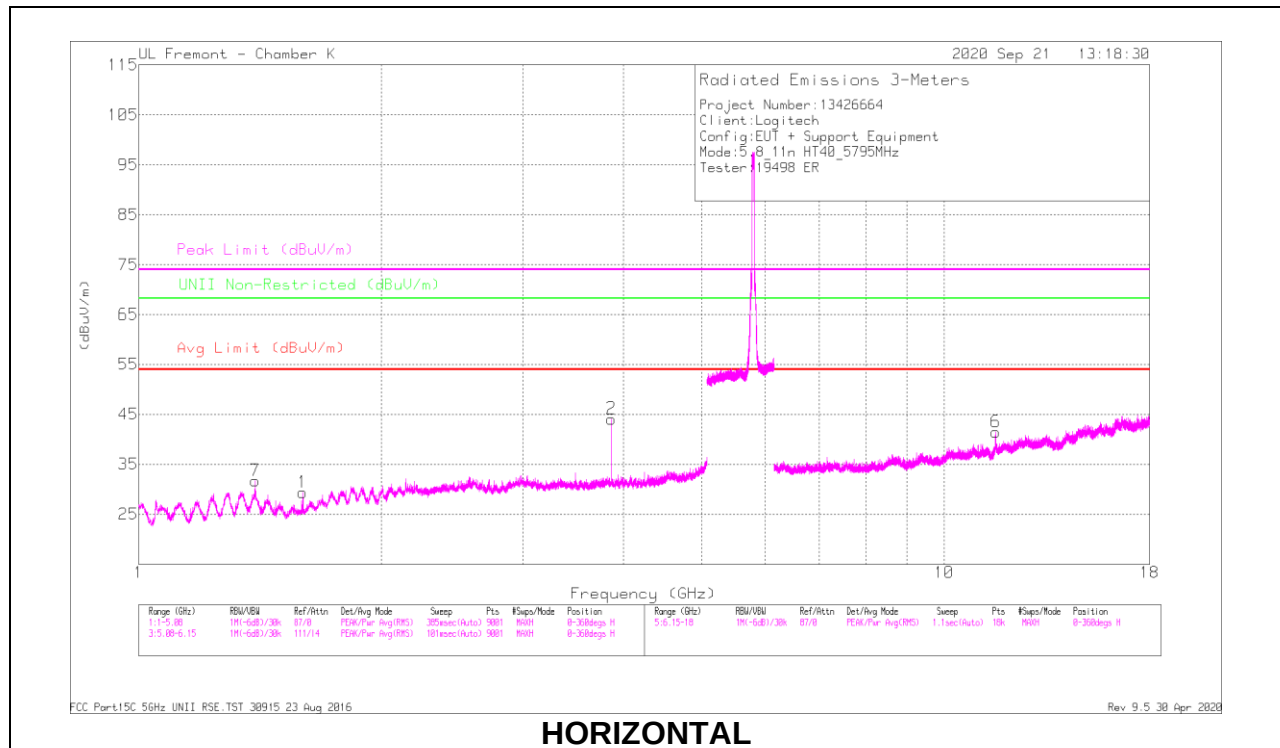
| Marker | Frequency (GHz) | Meas Reading (dBm) | Det  | AF 1003 (dBm) | AmpCdnFtrPad (dB) | DC Corr (dB) | Corrected Reading (dBm) | Avg Limit (dBm) | Margin (dB) | Peak Limit (dBm) | PK Margin (dB) | UNE Non-Restricted (dBm) | PK Margin (dB) | Altitude (Feet) | Height (m) | Polarity |
|--------|-----------------|--------------------|------|---------------|-------------------|--------------|-------------------------|-----------------|-------------|------------------|----------------|--------------------------|----------------|-----------------|------------|----------|
| 1      | * 1.59053       | 63.21              | PK-U | 29.1          | -46.2             | 0            | 45.11                   | -               | -           | 74               | -28.89         | -                        | -              | 21              | 143        | H        |
|        | * 1.59814       | 44.44              | ADR  | 29.1          | -46.2             | .44          | 26.78                   | 54              | -27.22      | -                | -              | -                        | -              | 21              | 143        | H        |
| 7      | 2.00962         | 53.5               | PK-U | 31.3          | -45.9             | 0            | 38.9                    | -               | -           | -                | -              | 68.2                     | -29.3          | 35              | 103        | H        |
| 2      | * 3.83668       | 54.97              | PK-U | 33.5          | -42               | 0            | 46.47                   | -               | -           | 74               | -27.53         | -                        | -              | 19              | 195        | H        |
|        | * 3.83673       | 51.32              | ADR  | 33.5          | -42               | .44          | 43.26                   | 54              | -30.74      | -                | -              | -                        | -              | 19              | 195        | H        |
| 6      | * 11.50988      | 48.8               | PK-U | 38.2          | -36.4             | 0            | 50.6                    | -               | -           | 74               | -23.4          | -                        | -              | 102             | 100        | H        |
|        | * 11.51207      | 36.94              | ADR  | 38.3          | -36.4             | .44          | 39.28                   | 54              | -14.72      | -                | -              | -                        | -              | 102             | 100        | H        |
| 3      | * 1.59307       | 63.97              | PK-U | 28.1          | -46.1             | 0            | 45.97                   | -               | -           | 74               | -28.03         | -                        | -              | 349             | 400        | V        |
|        | * 1.59504       | 44.81              | ADR  | 28.1          | -46.2             | .44          | 27.15                   | 54              | -26.85      | -                | -              | -                        | -              | 349             | 400        | V        |
| 4      | 3.48459         | 54.24              | PK-U | 32.8          | -42.1             | 0            | 44.94                   | -               | -           | -                | -              | 68.2                     | -23.26         | 360             | 218        | V        |
| 5      | * 3.83672       | 52.36              | PK-U | 33.5          | -42               | 0            | 43.86                   | -               | -           | 74               | -30.14         | -                        | -              | 12              | 385        | V        |
|        | * 3.83672       | 47.21              | ADR  | 33.5          | -42               | .44          | 39.15                   | 54              | -14.85      | -                | -              | -                        | -              | 12              | 385        | V        |

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

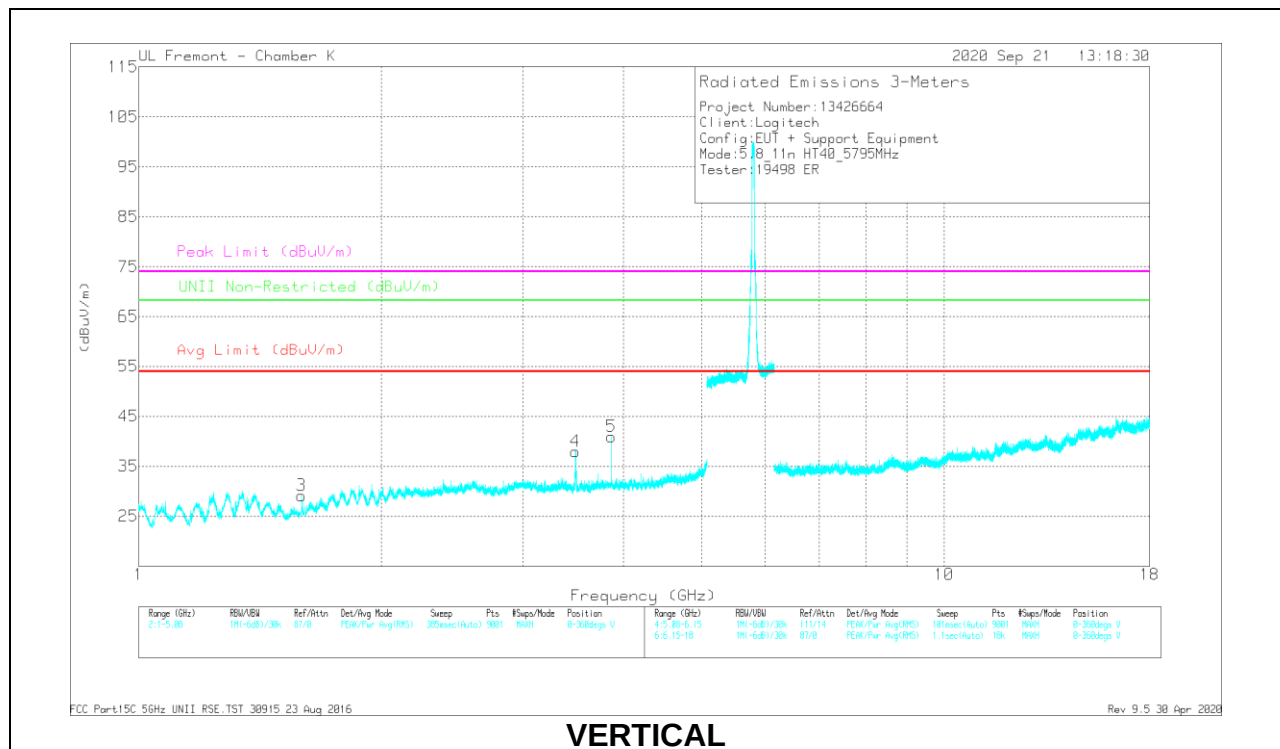
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

## HIGH CHANNEL RESULTS



## HORIZONTAL



## VERTICAL

## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meas Reading (dBuV) | Det  | AF 1503 (dBm) | AmpCoef(Peak) (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNE Non-Restricted (dBuV/m) | PK Margin (dB) | Altitude (Feet) | Height (m) | Polarity |
|--------|-----------------|---------------------|------|---------------|--------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|-----------------------------|----------------|-----------------|------------|----------|
| 7      | * 1.99272       | 52.54               | PK-U | 29            | -46.4              | 0            | 45.14                      | -                  | -           | 74                  | -28.86         | -                           | -              | 93              | 306        | H        |
|        | * 1.99432       | 45.12               | ADR  | 29            | -46.4              | .44          | 28.16                      | 54                 | -25.84      | -                   | -              | -                           | -              | 93              | 306        | H        |
| 1      | * 1.594         | 66.16               | PK-U | 28.1          | -46.2              | 0            | 48.06                      | -                  | -           | 74                  | -25.94         | -                           | -              | 106             | 296        | H        |
|        | * 1.59448       | 45.98               | ADR  | 28.1          | -46.2              | .44          | 28.32                      | 54                 | -25.68      | -                   | -              | -                           | -              | 106             | 296        | H        |
| 2      | * 3.8634        | 55.01               | PK-U | 33.5          | -41.8              | 0            | 46.71                      | -                  | -           | 74                  | -27.29         | -                           | -              | 61              | 179        | H        |
|        | * 3.86339       | 51.64               | ADR  | 33.5          | -41.8              | .44          | 43.78                      | 54                 | -10.22      | -                   | -              | -                           | -              | 61              | 179        | H        |
| 6      | * 11.59135      | 48.02               | PK-U | 38.3          | -36.1              | 0            | 50.22                      | -                  | -           | 74                  | -23.78         | -                           | -              | 50              | 189        | H        |
|        | * 11.5969       | 36.52               | ADR  | 38.3          | -36.1              | .44          | 39.16                      | 54                 | -14.84      | -                   | -              | -                           | -              | 50              | 189        | H        |
| 3      | * 1.59487       | 65.05               | PK-U | 28.1          | -46.2              | 0            | 46.85                      | -                  | -           | 74                  | -27.05         | -                           | -              | 267             | 238        | V        |
|        | * 1.59484       | 46.26               | ADR  | 28.1          | -46.2              | .44          | 28.6                       | 54                 | -25.4       | -                   | -              | -                           | -              | 267             | 238        | V        |
| 4      | 3.4852          | 56.41               | PK-U | 32.8          | -42.1              | 0            | 47.11                      | -                  | -           | -                   | -              | 68.2                        | -21.09         | 352             | 269        | V        |
| 5      | * 3.8634        | 53.96               | PK-U | 33.5          | -41.8              | 0            | 45.66                      | -                  | -           | 74                  | -28.34         | -                           | -              | 328             | 164        | V        |
|        | * 3.8634        | 49.28               | ADR  | 33.5          | -41.8              | .44          | 41.42                      | 54                 | -12.58      | -                   | -              | -                           | -              | 328             | 164        | V        |

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

PK-U - U-NII: Maximum Peak

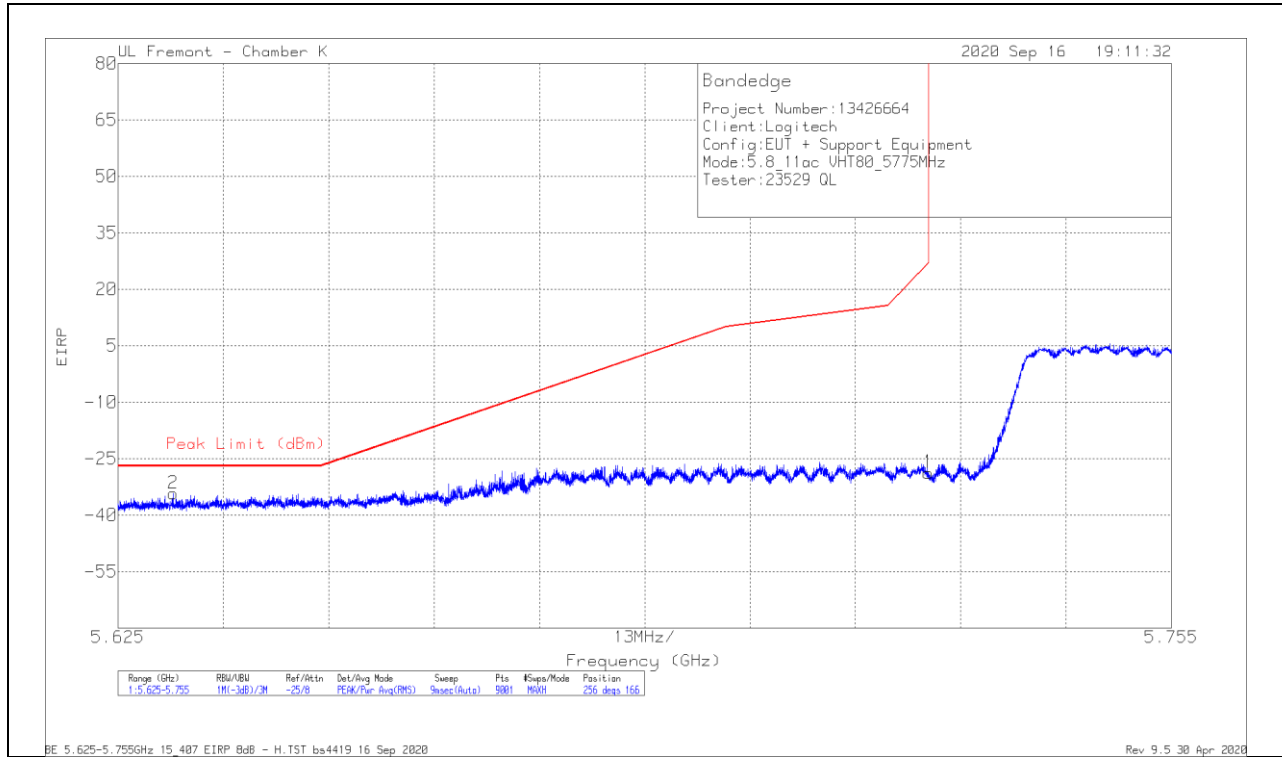
ADR - U-NII AD primary method, RMS average

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

### 2TX Antenna 1 + Antenna 2 CDD MODE

### BANDEDGE (CHANNEL 155 LOW EDGE)

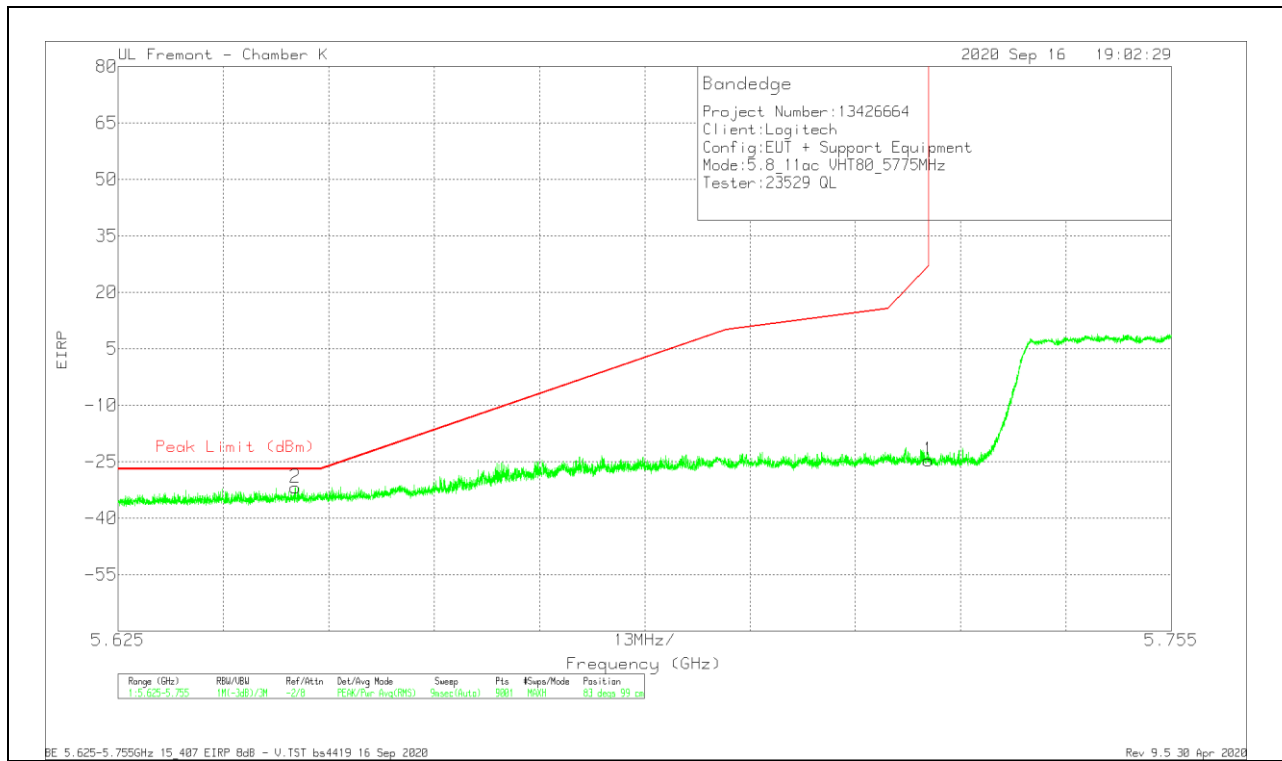
### HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T863 (dB/m) | Amp/Cbl/Filtz/P ad (dB) | Conversion Factor (dB) | DC Corr (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|-------------------------|------------------------|--------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.725           | -68.86              | Pk  | 35.1           | -6.8                    | 11.8                   | 0            | -28.76                 | 26.99            | -55.75         | 256            | 166         | H        |
| 2      | 5.63179         | -74.56              | Pk  | 35.3           | -6.8                    | 11.8                   | 0            | -34.26                 | -27              | -7.26          | 256            | 166         | H        |

Pk - Peak detector

## VERTICAL RESULT

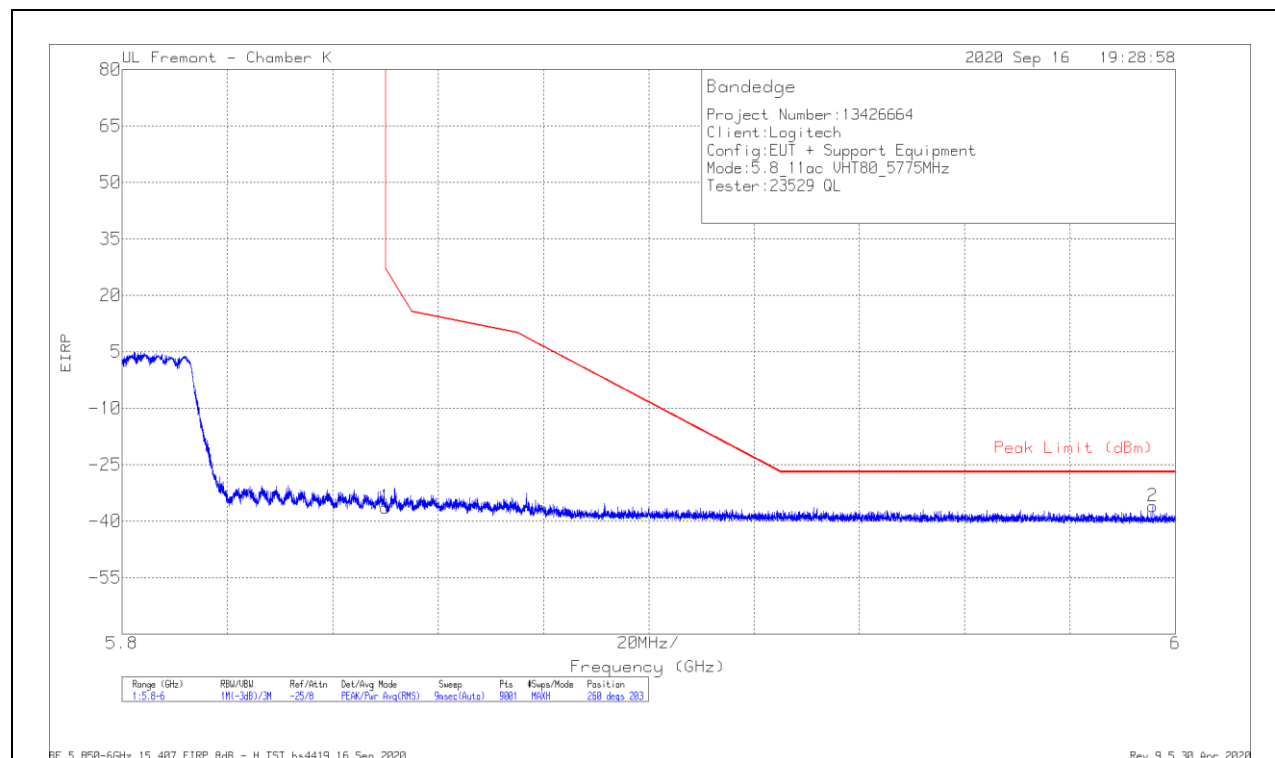


| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T863 (dB/m) | Amp/Cbl/Filt/P ad (dB) | Conversion Factor (dB) | DC Corr (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|--------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.725           | -64.68              | Pk  | 35.1           | -6.8                   | 11.8                   | 0            | -24.58                 | 26.99            | -51.57         | 83             | 99          | V        |
| 2      | 5.64687         | -72.18              | Pk  | 35.3           | -6.8                   | 11.8                   | 0            | -31.88                 | -27              | -4.88          | 83             | 99          | V        |

Pk - Peak detector

## BANDEDGE (CHANNEL 155 HIGH EDGE)

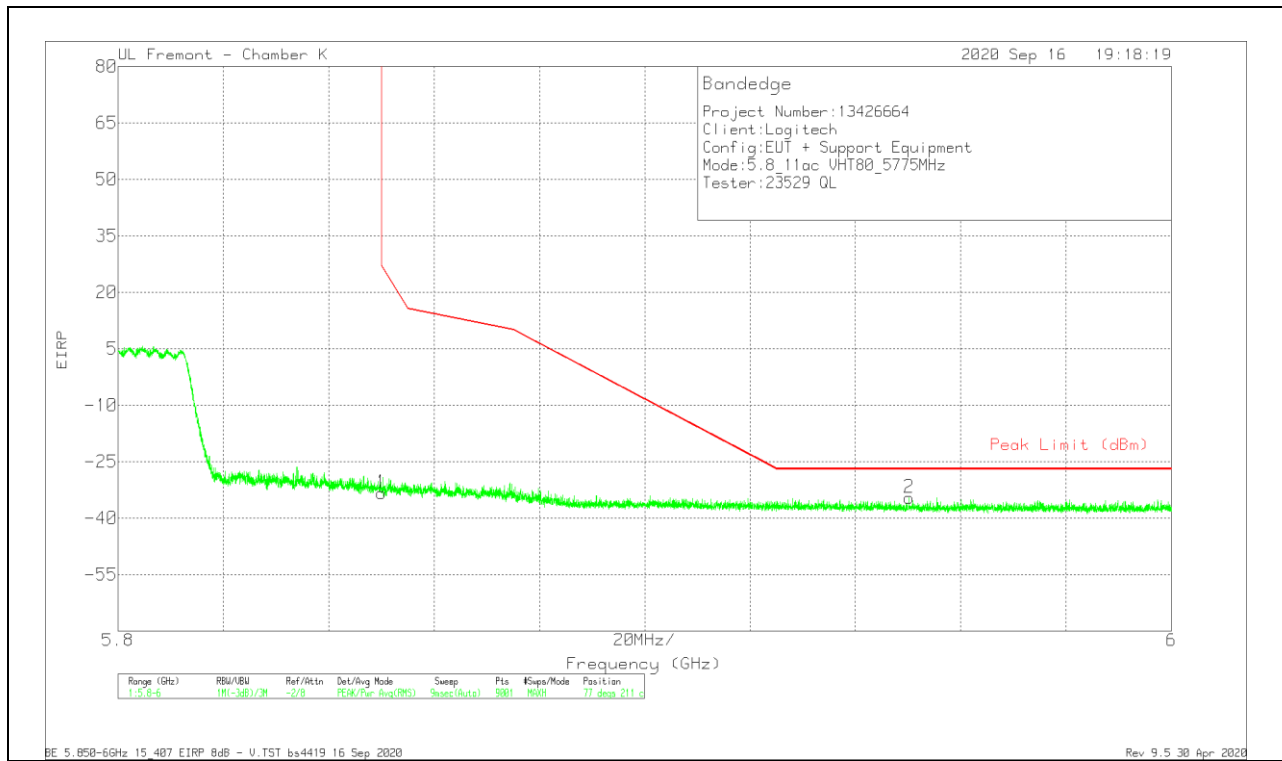
### HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T863 (dB/m) | Amp/Cbl/Filt/P ad (dB) | Conversion Factor (dB) | DC Corr (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|--------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85002         | -76.77              | Pk  | 35.1           | -6.5                   | 11.8                   | 0            | -36.37                 | 26.95            | -63.32         | 260            | 203         | H        |
| 2      | 5.99571         | -77.06              | Pk  | 35.4           | -6.2                   | 11.8                   | 0            | -36.06                 | -27              | -9.06          | 260            | 203         | H        |

Pk - Peak detector

## VERTICAL RESULT

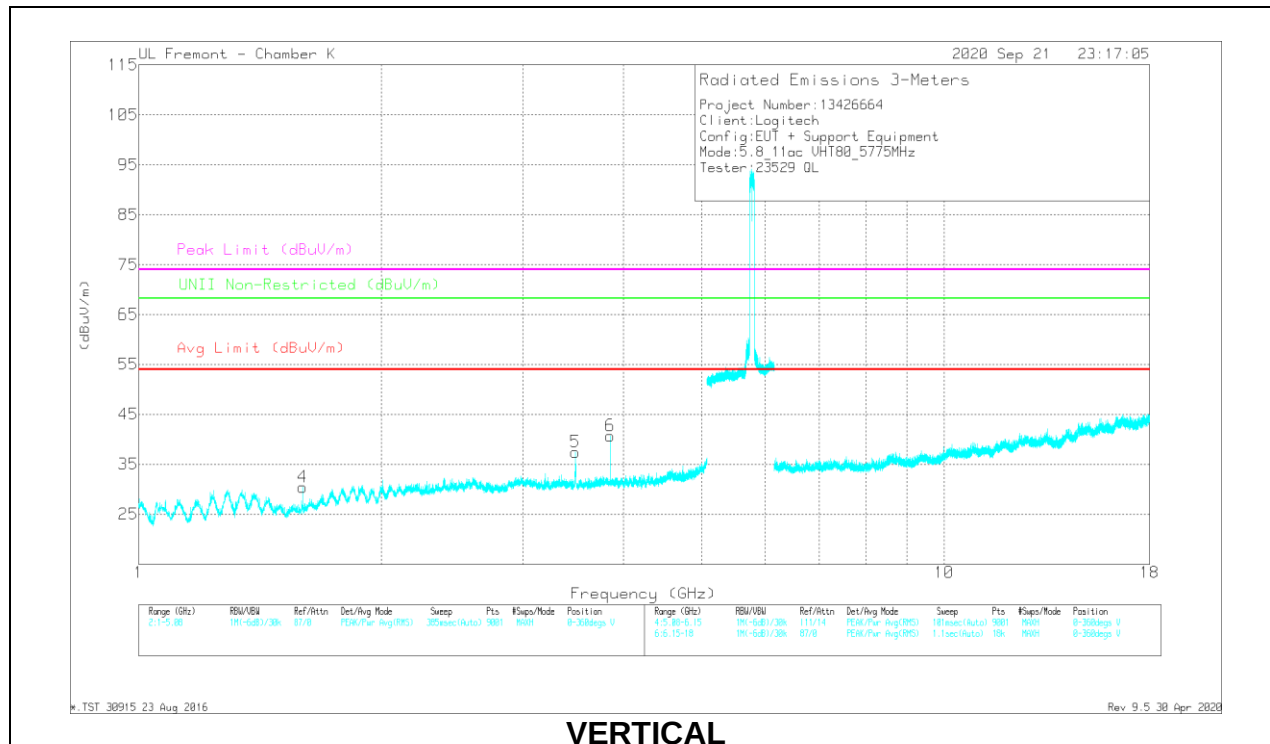
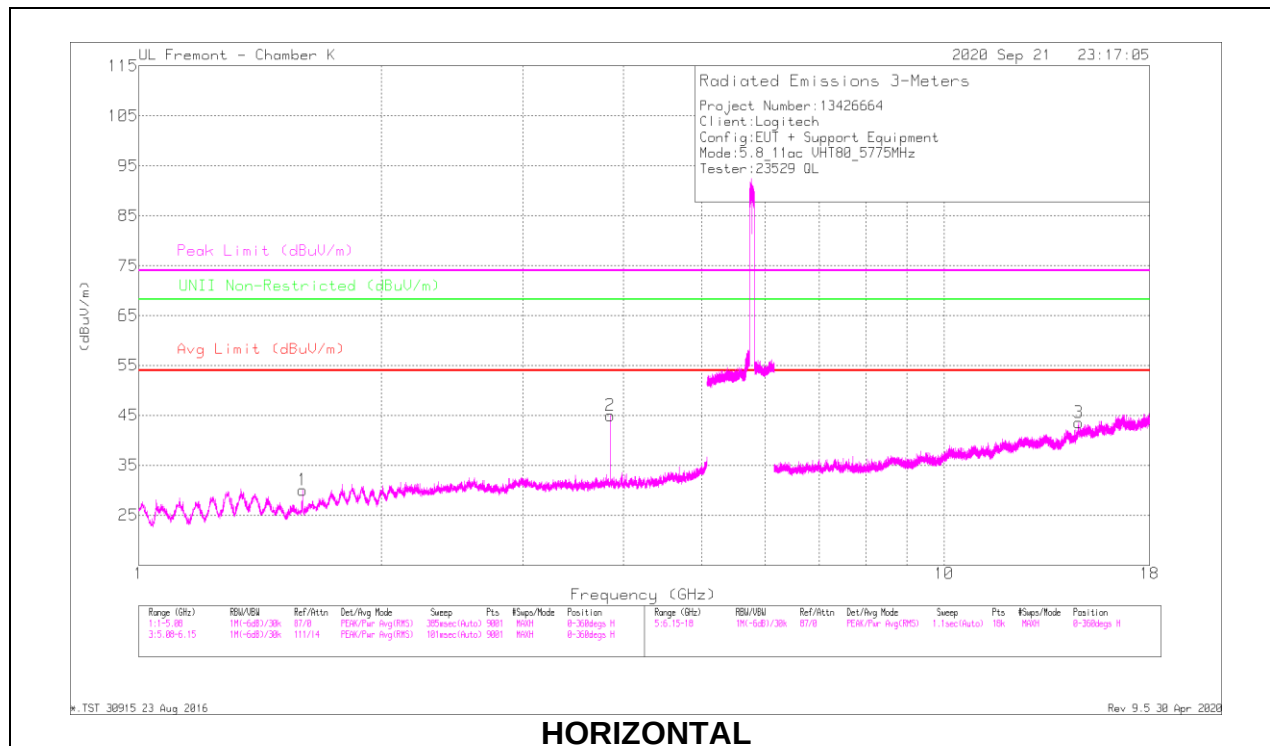


| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T863 (dB/m) | Amp/Cbl/Filt/P ad (dB) | Conversion Factor (dB) | DC Corr (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|----------------|------------------------|------------------------|--------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85002         | -73.7               | Pk  | 35.1           | -6.5                   | 11.8                   | 0            | -33.3                  | 26.95            | -60.25         | 77             | 211         | V        |
| 2      | 5.95018         | -75.39              | Pk  | 35.3           | -6.3                   | 11.8                   | 0            | -34.59                 | -27              | -7.59          | 77             | 211         | V        |

Pk - Peak detector

## HARMONICS AND SPURIOUS EMISSIONS

### MID CHANNEL RESULTS



## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meas Reading (dBm) | Det  | AP 15B3 (dBm) | Ampl/Cat/HPad (dB) | DC Corr (dB) | Corrected Reading (dBm) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | ULR Non-Restricted (dBuV/m) | PK Margin (dB) | Altitude (m) | Height (m) | Polarity |
|--------|-----------------|--------------------|------|---------------|--------------------|--------------|-------------------------|--------------------|-------------|---------------------|----------------|-----------------------------|----------------|--------------|------------|----------|
| 1      | * 1.59626       | 60.46              | PK-U | 28.1          | -46.2              | 0            | 42.36                   | -                  | -           | 74                  | -31.64         | -                           | -              | 109          | 286        | H        |
|        | * 1.59647       | 41.06              | ADR  | 28.1          | -46.2              | .85          | 23.8                    | 54                 | -30.2       | -                   | -              | -                           | -              | 109          | 286        | H        |
| 2      | * 3.84996       | 55.16              | PK-U | 33.5          | -41.9              | 0            | 46.76                   | -                  | -           | 74                  | -27.24         | -                           | -              | 35           | 157        | H        |
|        | * 3.85003       | 51.06              | ADR  | 33.5          | -41.9              | .85          | 43.5                    | 54                 | -10.5       | -                   | -              | -                           | -              | 35           | 157        | H        |
| 3      | 14.69773        | 44.3               | PK-U | 40.6          | -33.3              | 0            | 51                      | -                  | -           | -                   | -              | 68.2                        | -17.2          | 45           | 307        | H        |
| 4      | * 1.59395       | 63.88              | PK-U | 28.1          | -46.2              | 0            | 45.78                   | -                  | -           | 74                  | -28.22         | -                           | -              | 303          | 114        | V        |
|        | * 1.59467       | 45.04              | ADR  | 28.1          | -46.2              | .85          | 27.78                   | 54                 | -26.22      | -                   | -              | -                           | -              | 303          | 114        | V        |
| 5      | 3.48729         | 57.35              | PK-U | 32.8          | -42.1              | 0            | 48.05                   | -                  | -           | -                   | -              | 68.2                        | -20.15         | 354          | 208        | V        |
|        | * 3.85006       | 52.93              | PK-U | 33.5          | -41.9              | 0            | 44.53                   | -                  | -           | 74                  | -29.47         | -                           | -              | 5            | 331        | V        |
| 6      | * 3.85003       | 48.05              | ADR  | 33.5          | -41.9              | .85          | 40.49                   | 54                 | -13.51      | -                   | -              | -                           | -              | 5            | 331        | V        |

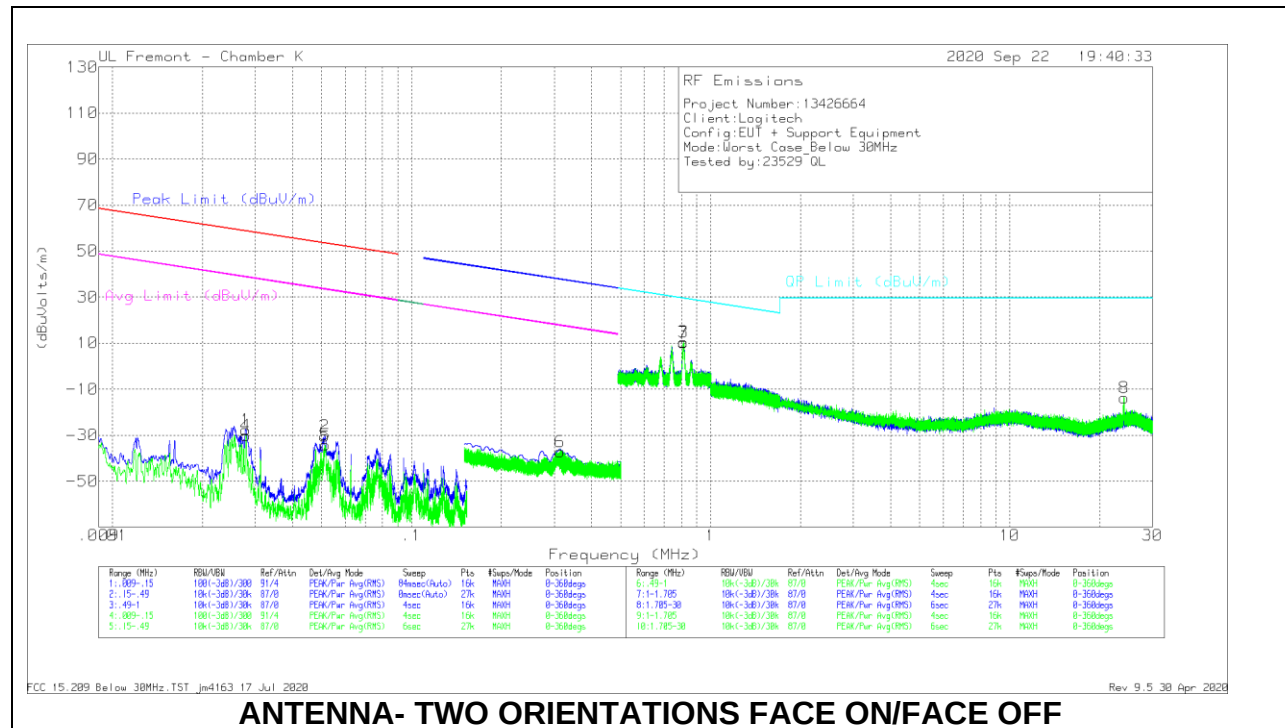
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

## 10.2. WORST CASE BELOW 30MHZ

### SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



### Below 30MHz Data

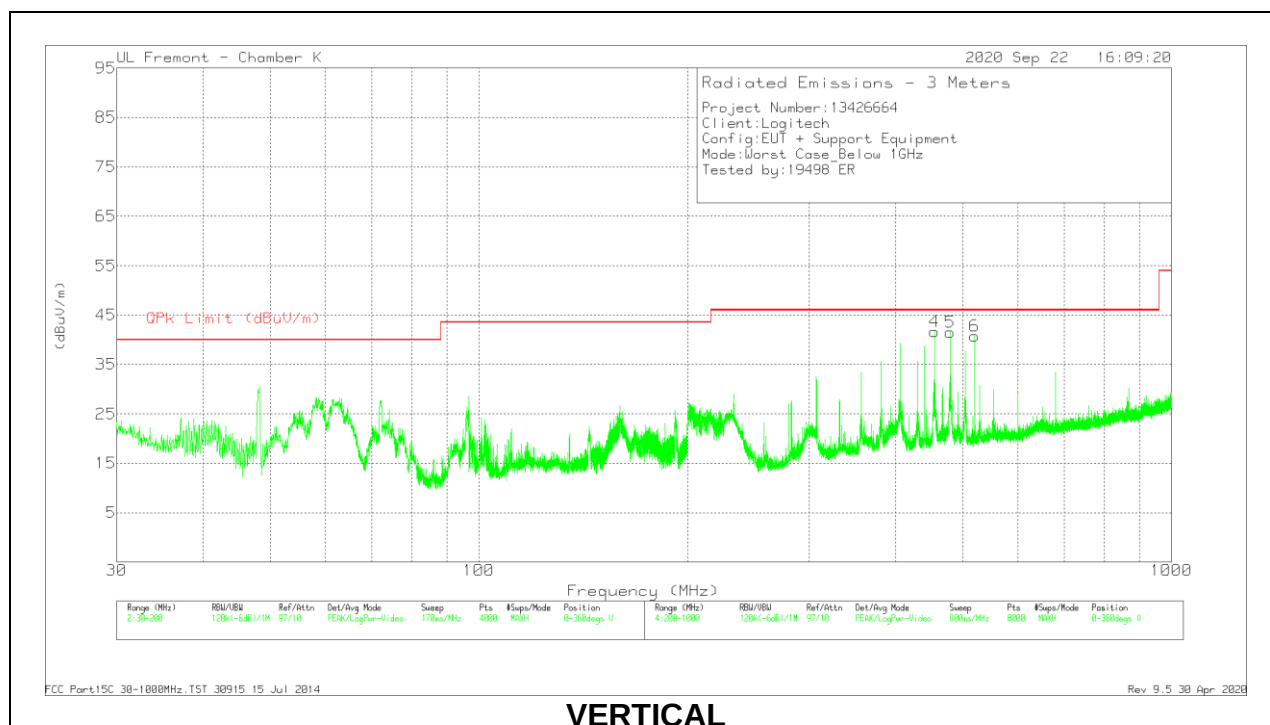
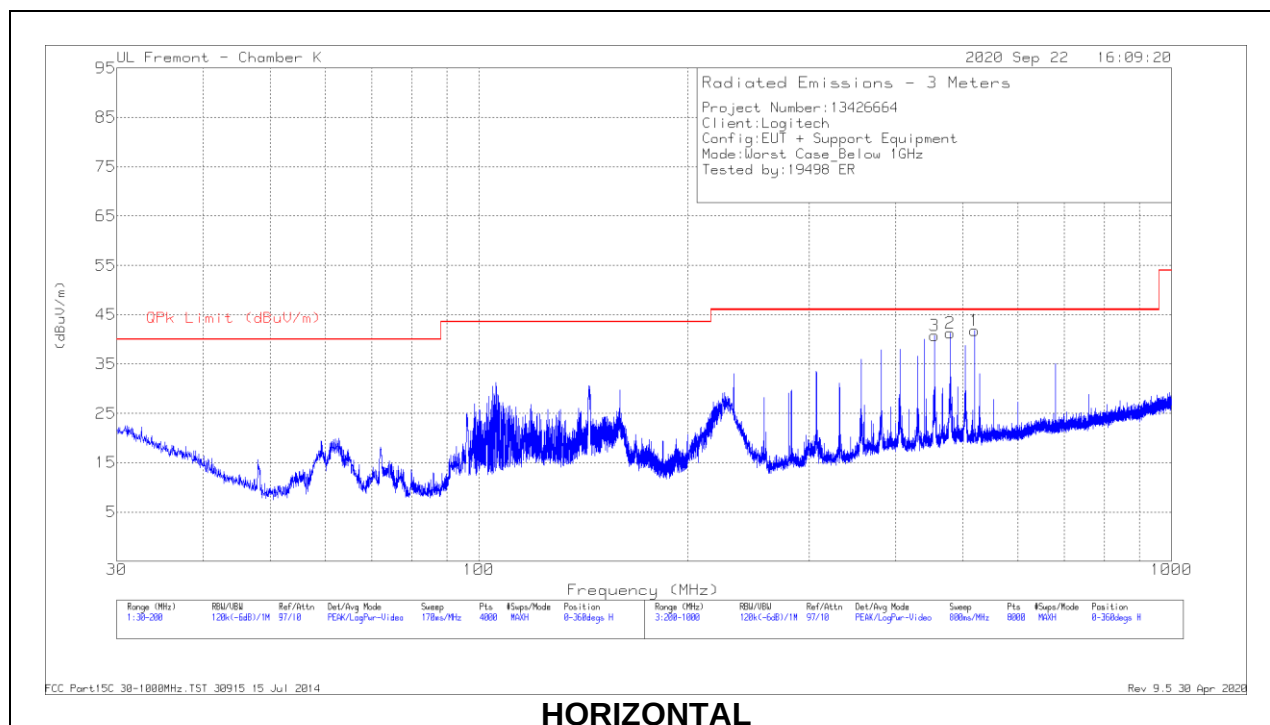
| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | Loop Antenna (E ACF) | Amp/Cbl (dB) | Dist Corr 300m | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | Margin (dB) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Avg Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) |
|--------|-----------------|----------------------|-----|----------------------|--------------|----------------|----------------------------|---------------------|-------------|--------------------|-------------|---------------------|-------------|--------------------|-------------|----------------|
| 1      | .02797          | 26.55                | Pk  | 57.9                 | -32.2        | -80            | -27.75                     | 58.65               | -96.4       | 38.65              | -66.4       | -                   | -           | -                  | -           | 0-360          |
| 2      | .05138          | 25.04                | Pk  | 56.8                 | -32.3        | -80            | -30.46                     | 53.37               | -83.83      | 33.37              | -63.83      | -                   | -           | -                  | -           | 0-360          |
| 4      | .02798          | 24.22                | Pk  | 57.9                 | -32.2        | -80            | -30.08                     | 58.65               | -88.73      | 38.65              | -68.73      | -                   | -           | -                  | -           | 0-360          |
| 5      | .05144          | 21.2                 | Pk  | 56.8                 | -32.3        | -80            | -34.3                      | 53.36               | -87.66      | 33.36              | -67.66      | -                   | -           | -                  | -           | 0-360          |
| 6      | .31346          | 19.21                | Pk  | 55.9                 | -32.2        | -80            | -37.09                     | -                   | -           | -                  | -           | 37.69               | -74.78      | 17.69              | -54.78      | 0-360          |

Pk - Peak detector

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | Loop Antenna (E ACF) | Amp/Cbl (dB) | Dist Corr 30m (dB) | Corrected Reading (dBuV/m) | QP Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) |
|--------|-----------------|----------------------|-----|----------------------|--------------|--------------------|----------------------------|-------------------|-------------|----------------|
| 3      | .8116           | 26.76                | Pk  | 56                   | -32.2        | -40                | 10.56                      | 29.43             | -18.87      | 0-360          |
| 7      | .81042          | 26.48                | Pk  | 56                   | -32.2        | -40                | 10.28                      | 29.44             | -19.16      | 0-360          |
| 8      | 24.13849        | 23.8                 | Pk  | 34.1                 | -31.6        | -40                | -13.7                      | 29.5              | -43.2       | 0-360          |

Pk - Peak detector

### 10.3. WORST CASE BELOW 1 GHZ



## **Below 1GHz DATA**

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF PRE0181574 (dB/m) | Amp/Cbl (dB) | Corrected Reading (dBuV/m) | QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------------|--------------|----------------------------|--------------------|-------------|----------------|-------------|----------|
| 1      | 519.9416        | 47.42                | Pk  | 23.6                 | -29.2        | 41.82                      | 46.02              | -4.2        | 0-360          | 201         | H        |
| 2      | 479.2363        | 46.86                | Pk  | 23.6                 | -29.2        | 41.26                      | 46.02              | -4.76       | 0-360          | 201         | H        |
| 3      | 454.6331        | 47.25                | Pk  | 22.8                 | -29.3        | 40.75                      | 46.02              | -5.27       | 0-360          | 201         | H        |
| 4      | 454.6331        | 48.21                | Pk  | 22.8                 | -29.3        | 41.71                      | 46.02              | -4.31       | 0-360          | 201         | V        |
| 5      | 479.2363        | 47.14                | Pk  | 23.6                 | -29.2        | 41.54                      | 46.02              | -4.48       | 0-360          | 201         | V        |
| 6      | 519.9416        | 46.34                | Pk  | 23.6                 | -29.2        | 40.74                      | 46.02              | -5.28       | 0-360          | 100         | V        |

Pk - Peak detector

## **Radiated Emissions**

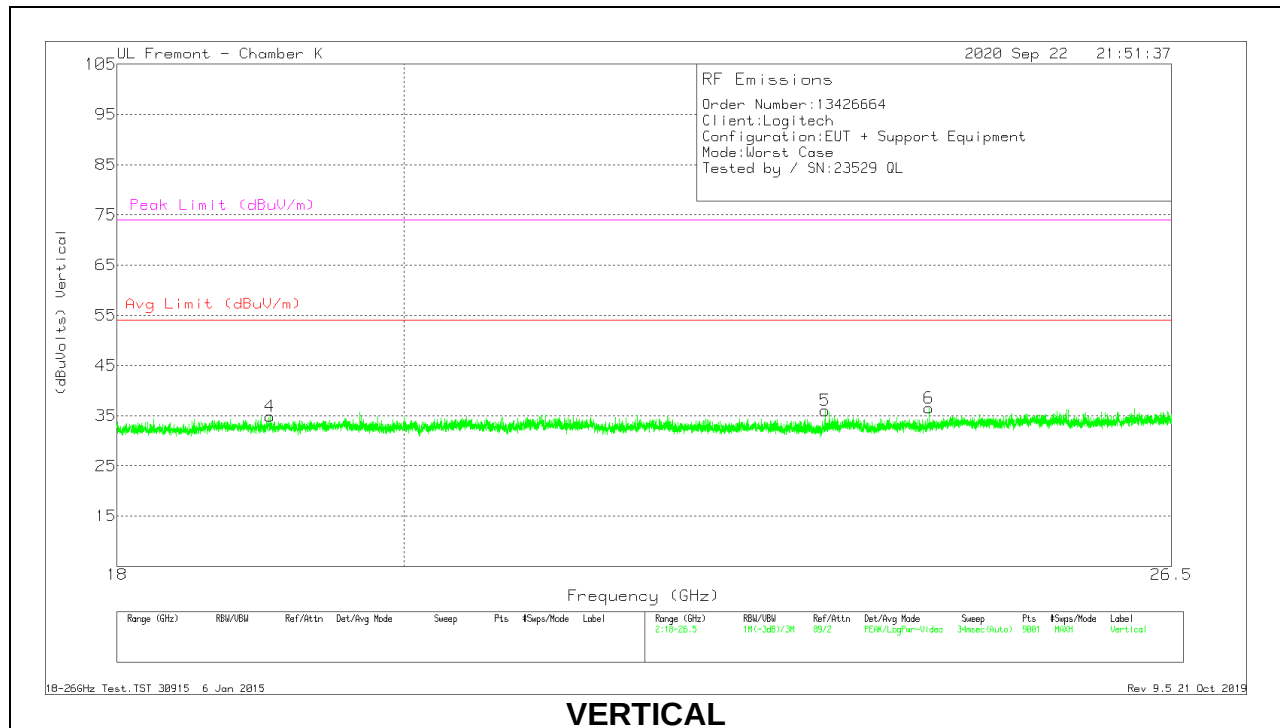
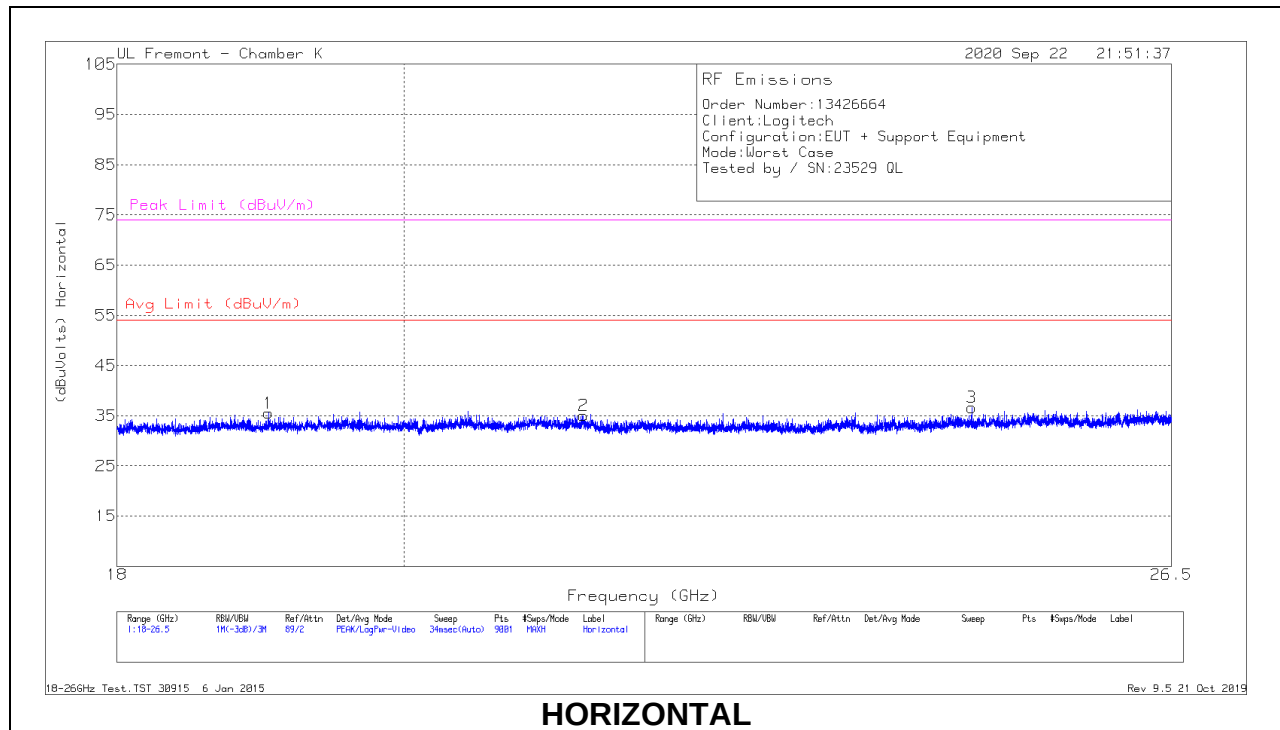
| Frequency (MHz) | Meter Reading (dBuV) | Det | AF PRE0181574 (dB/m) | Amp/Cbl (dB) | Corrected Reading (dBuV/m) | QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|----------------------|--------------|----------------------------|--------------------|-------------|----------------|-------------|----------|
| *519.9979       | 49.76                | Pk  | 23.6                 | -29.2        | 44.16                      | 46.02              | -1.86       | 317            | 159         | H        |
| *519.9979       | 49.15                | Qp  | 23.6                 | -29.2        | 43.55                      | 46.02              | -2.47       | 317            | 159         | H        |
| 479.2327        | 47.65                | Pk  | 23.6                 | -29.2        | 42.05                      | 46.02              | -3.97       | 327            | 190         | H        |
| 479.2327        | 46.73                | Qp  | 23.6                 | -29.2        | 41.13                      | 46.02              | -4.89       | 327            | 190         | H        |
| 454.6571        | 47.52                | Pk  | 22.8                 | -29.3        | 41.02                      | 46.02              | -5          | 318            | 216         | H        |
| 454.6571        | 46.46                | Qp  | 22.8                 | -29.3        | 39.96                      | 46.02              | -6.06       | 318            | 216         | H        |
| 454.6439        | 48.15                | Pk  | 22.8                 | -29.3        | 41.65                      | 46.02              | -4.37       | 272            | 198         | V        |
| 454.6439        | 47.19                | Qp  | 22.8                 | -29.3        | 40.69                      | 46.02              | -5.33       | 272            | 198         | V        |
| 479.2212        | 47.54                | Pk  | 23.6                 | -29.2        | 41.94                      | 46.02              | -4.08       | 275            | 191         | V        |
| 479.2212        | 46.63                | Qp  | 23.6                 | -29.2        | 41.03                      | 46.02              | -4.99       | 275            | 191         | V        |
| *519.9931       | 45.63                | Pk  | 23.6                 | -29.2        | 40.03                      | 46.02              | -5.99       | 213            | 114         | V        |
| *519.9931       | 44.64                | Qp  | 23.6                 | -29.2        | 39.04                      | 46.02              | -6.98       | 213            | 114         | V        |

Pk - Peak detector

Qp - Quasi-Peak detector

\* verification testing has been performed, this signal is not coming from radio.

## 10.4. WORST CASE 18-26 GHZ

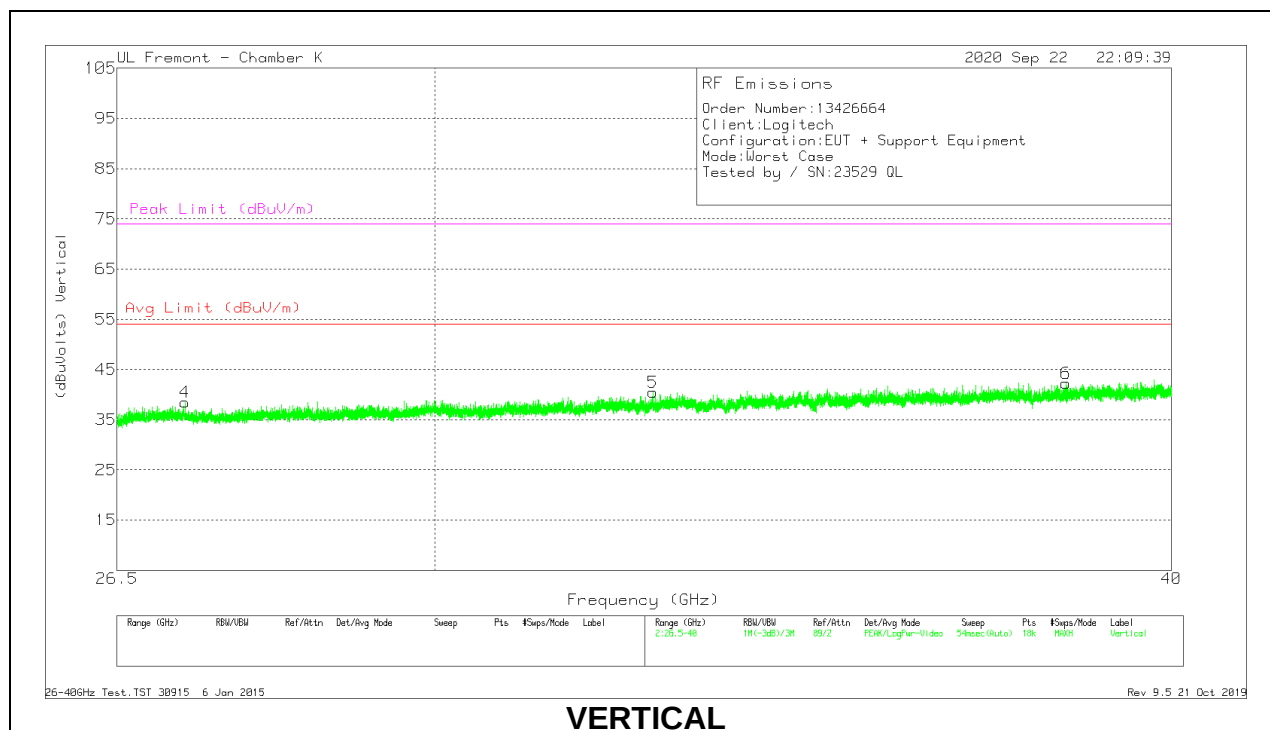
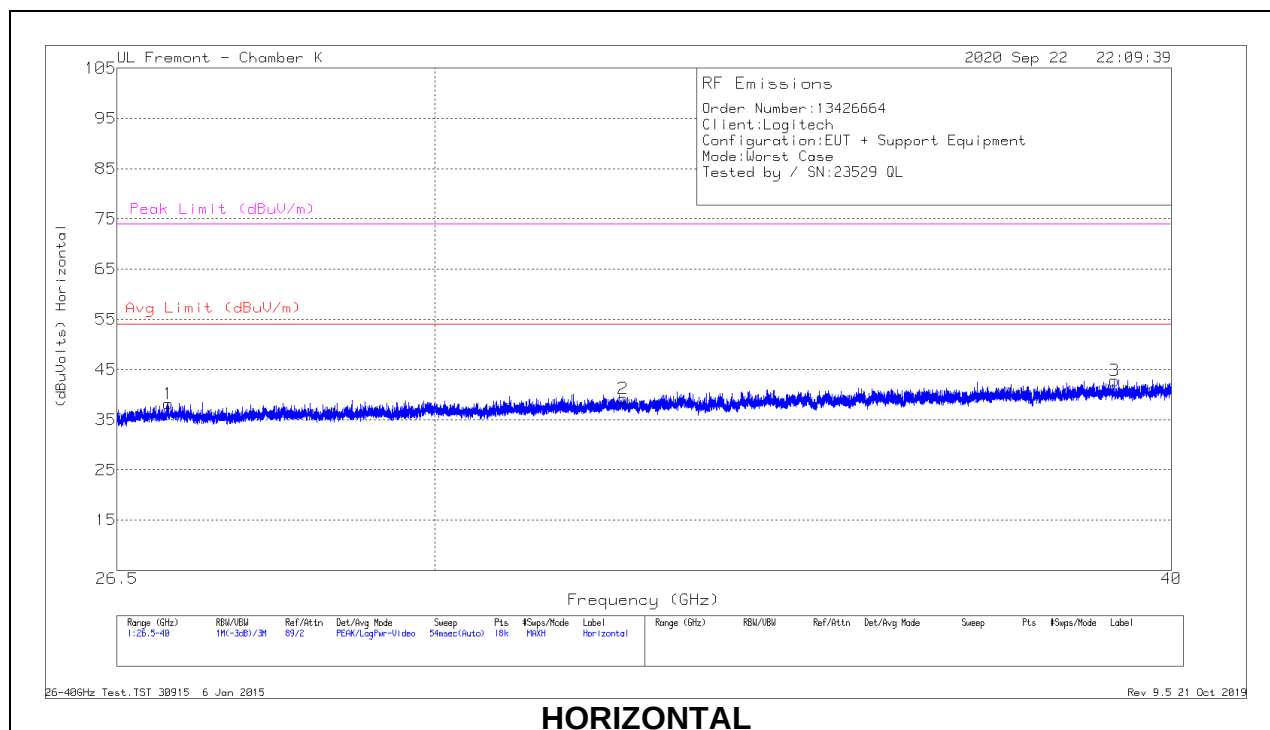


**18 – 26GHz DATA**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | T448 AF (dB/m) | AmplCbl (dB) | Dist Corr (dB) | Corrected Reading (dBuVolts) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) |
|--------|-----------------|----------------------|-----|----------------|--------------|----------------|------------------------------|--------------------|-------------|---------------------|----------------|
| 1      | 19.02756        | 69.81                | Pk  | 32.5           | -57.3        | -9.5           | 35.51                        | 54                 | -18.49      | 74                  | -38.49         |
| 2      | 21.3575         | 68.74                | Pk  | 33.1           | -57.3        | -9.5           | 35.04                        | 54                 | -18.96      | 74                  | -38.96         |
| 3      | 24.62716        | 67.61                | Pk  | 34.4           | -55.9        | -9.5           | 36.61                        | 54                 | -17.39      | 74                  | -37.39         |
| 4      | 19.03794        | 69.29                | Pk  | 32.5           | -57.4        | -9.5           | 34.89                        | 54                 | -19.11      | 74                  | -39.11         |
| 5      | 23.33705        | 68.73                | Pk  | 34             | -57.2        | -9.5           | 36.03                        | 54                 | -17.97      | 74                  | -37.97         |
| 6      | 24.24466        | 68.43                | Pk  | 34.2           | -56.6        | -9.5           | 36.53                        | 54                 | -17.47      | 74                  | -37.47         |

Pk - Peak detector

## 10.5. WORST CASE 26-40 GHZ



**26 – 40GHz DATA**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | T445 AF (dB/m) | AmplCbl (dB) | Dist Corr (dB) | Corrected Reading (dBuVolts) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) |
|--------|-----------------|----------------------|-----|----------------|--------------|----------------|------------------------------|--------------------|-------------|---------------------|----------------|
| 1      | 27.03475        | 67.92                | Pk  | 36.2           | -56.4        | -9.5           | 38.22                        | 54                 | -15.78      | 74                  | -35.78         |
| 2      | 32.29           | 64.93                | Pk  | 37.3           | -53.5        | -9.5           | 39.23                        | 54                 | -14.77      | 74                  | -34.77         |
| 3      | 39.118          | 67.89                | Pk  | 38.9           | -54.5        | -9.5           | 42.79                        | 54                 | -11.21      | 74                  | -31.21         |
| 4      | 27.21175        | 67.87                | Pk  | 36.3           | -56.2        | -9.5           | 38.47                        | 54                 | -15.53      | 74                  | -35.53         |
| 5      | 32.67025        | 66.27                | Pk  | 37.5           | -53.8        | -9.5           | 40.47                        | 54                 | -13.53      | 74                  | -33.53         |
| 6      | 38.3875         | 68.05                | Pk  | 38.8           | -55.1        | -9.5           | 42.25                        | 54                 | -11.75      | 74                  | -31.75         |

Pk - Peak detector

## 11. AC POWER LINE CONDUCTED EMISSIONS

### LIMITS

FCC §15.207 (a)

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

\*Decreases with the logarithm of the frequency.

### TEST PROCEDURE

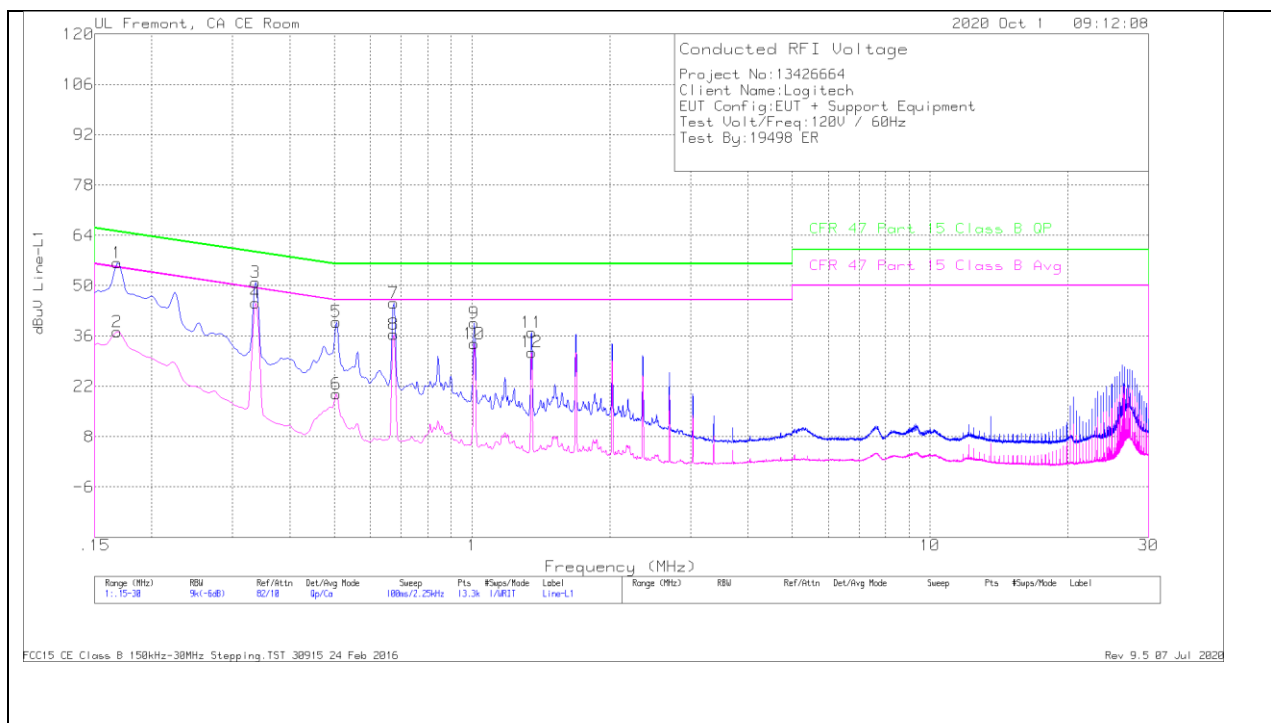
The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

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

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

### RESULTS

## LINE 1 RESULTS



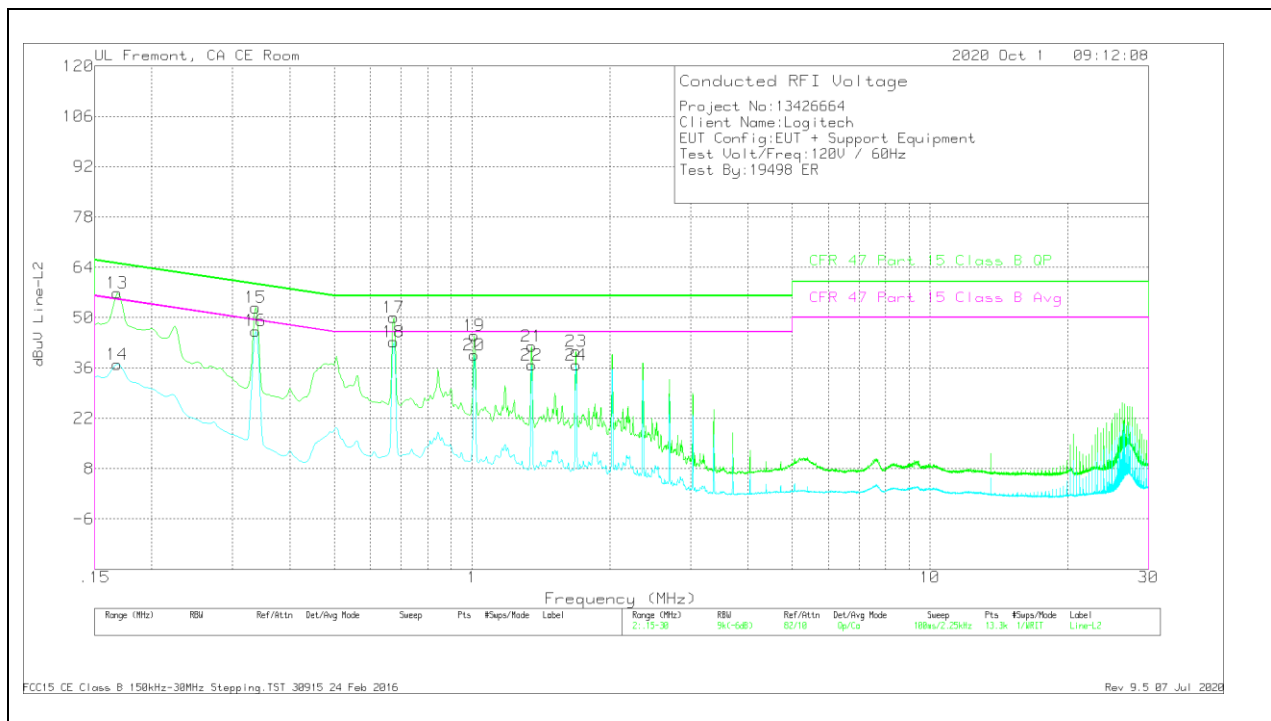
Range 1: Line-L1 .15 - 30MHz

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | PRE018644 6 LISN L1 | LC Cables C1&C3 | Limiter (dB) | Corrected Reading dBuV | CFR 47 Part 15 Class B QP | QP Margin (dB) | CFR 47 Part 15 Class B Avg | Av(CISPR)Margin (dB) |
|--------|-----------------|----------------------|-----|---------------------|-----------------|--------------|------------------------|---------------------------|----------------|----------------------------|----------------------|
| 1      | .168            | 46.44                | Qp  | 0                   | 0               | 10           | 56.44                  | 65.06                     | -8.62          | -                          | -                    |
| 2      | .168            | 27.18                | Ca  | 0                   | 0               | 10           | 37.18                  | -                         | -              | 55.06                      | -17.88               |
| 3      | .33675          | 40.91                | Qp  | 0                   | 0               | 10           | 50.91                  | 59.28                     | -8.37          | -                          | -                    |
| 4      | .33675          | 35.13                | Ca  | 0                   | 0               | 10           | 45.13                  | -                         | -              | 49.28                      | -4.15                |
| 5      | .5055           | 29.88                | Qp  | 0                   | 0               | 10           | 39.88                  | 56                        | -16.12         | -                          | -                    |
| 6      | .5055           | 9.85                 | Ca  | 0                   | 0               | 10           | 19.85                  | -                         | -              | 46                         | -26.15               |
| 7      | .67425          | 35.22                | Qp  | 0                   | 0               | 10           | 45.22                  | 56                        | -10.78         | -                          | -                    |
| 8      | .67425          | 26.43                | Ca  | 0                   | 0               | 10           | 36.43                  | -                         | -              | 46                         | -9.57                |
| 9      | 1.01175         | 29.46                | Qp  | 0                   | .1              | 10           | 39.56                  | 56                        | -16.44         | -                          | -                    |
| 10     | 1.01175         | 23.75                | Ca  | 0                   | .1              | 10           | 33.85                  | -                         | -              | 46                         | -12.15               |
| 11     | 1.34925         | 26.84                | Qp  | 0                   | .1              | 10           | 36.94                  | 56                        | -19.06         | -                          | -                    |
| 12     | 1.34925         | 21.4                 | Ca  | 0                   | .1              | 10           | 31.5                   | -                         | -              | 46                         | -14.5                |

Qp - Quasi-Peak detector

Ca - CISPR average detection

## LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | PRE018644 6 LISN L2 | LC Cables C2&C3 | Limiter (dB) | Corrected Reading dBuV | CFR 47 Part 15 Class B QP | QP Margin (dB) | CFR 47 Part 15 Class B Avg | Av(CISPR)M argin (dB) |
|--------|-----------------|----------------------|-----|---------------------|-----------------|--------------|------------------------|---------------------------|----------------|----------------------------|-----------------------|
| 13     | .168            | 46.9                 | Qp  | 0                   | 0               | 10           | 56.9                   | 65.06                     | -8.16          | -                          | -                     |
| 14     | .168            | 26.99                | Ca  | 0                   | 0               | 10           | 36.99                  | -                         | -              | 55.06                      | -18.07                |
| 15     | .33675          | 42.79                | Qp  | 0                   | 0               | 10           | 52.79                  | 59.28                     | -6.49          | -                          | -                     |
| 16     | .33675          | 36.33                | Ca  | 0                   | 0               | 10           | 46.33                  | -                         | -              | 49.28                      | -2.95                 |
| 17     | .67425          | 40.08                | Qp  | 0                   | 0               | 10           | 50.08                  | 56                        | -5.92          | -                          | -                     |
| 18     | .67425          | 33.33                | Ca  | 0                   | 0               | 10           | 43.33                  | -                         | -              | 46                         | -2.67                 |
| 19     | 1.01175         | 34.91                | Qp  | 0                   | .1              | 10           | 45.01                  | 56                        | -10.99         | -                          | -                     |
| 20     | 1.01175         | 29.53                | Ca  | 0                   | .1              | 10           | 39.63                  | -                         | -              | 46                         | -6.37                 |
| 21     | 1.34925         | 31.95                | Qp  | 0                   | .1              | 10           | 42.05                  | 56                        | -13.95         | -                          | -                     |
| 22     | 1.34925         | 26.77                | Ca  | 0                   | .1              | 10           | 36.87                  | -                         | -              | 46                         | -9.13                 |
| 23     | 1.68675         | 30.54                | Qp  | 0                   | .1              | 10           | 40.64                  | 56                        | -15.36         | -                          | -                     |
| 24     | 1.68675         | 26.69                | Ca  | 0                   | .1              | 10           | 36.79                  | -                         | -              | 46                         | -9.21                 |

Qp - Quasi-Peak detector

Ca - CISPR average detection