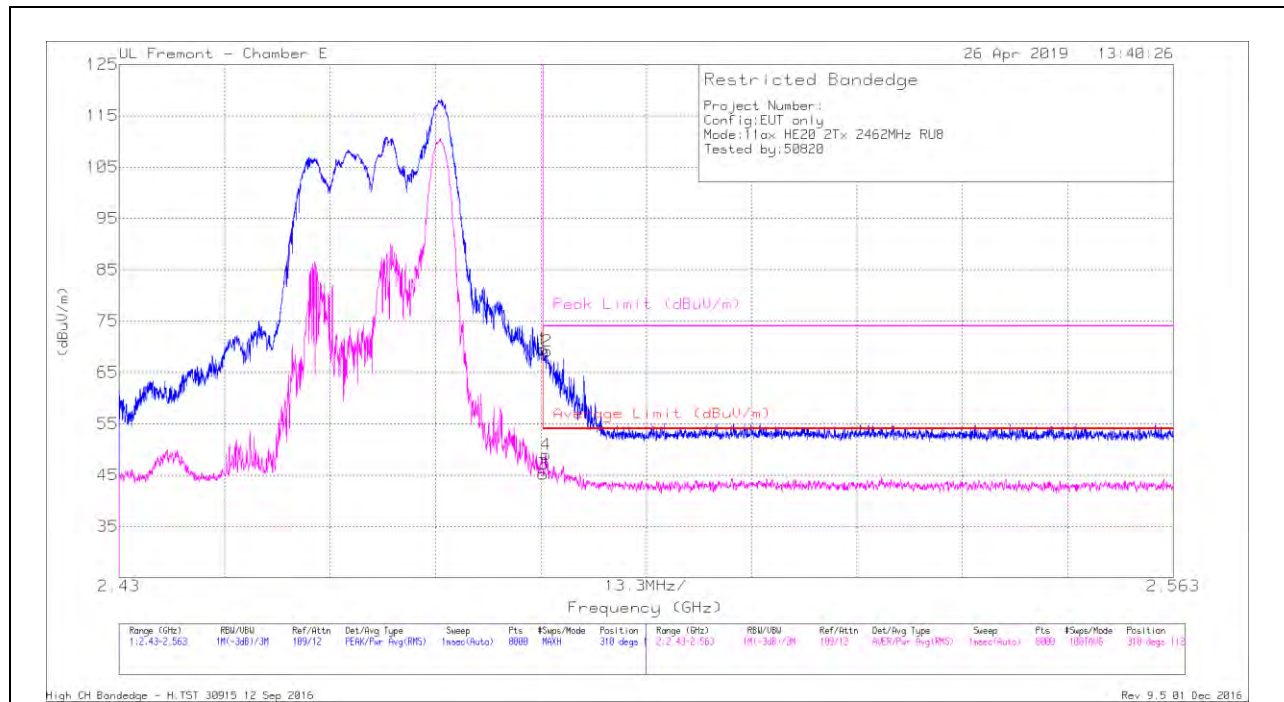


**BANDEDGE (HIGH CHANNEL, CH 11)****HORIZONTAL RESULT**

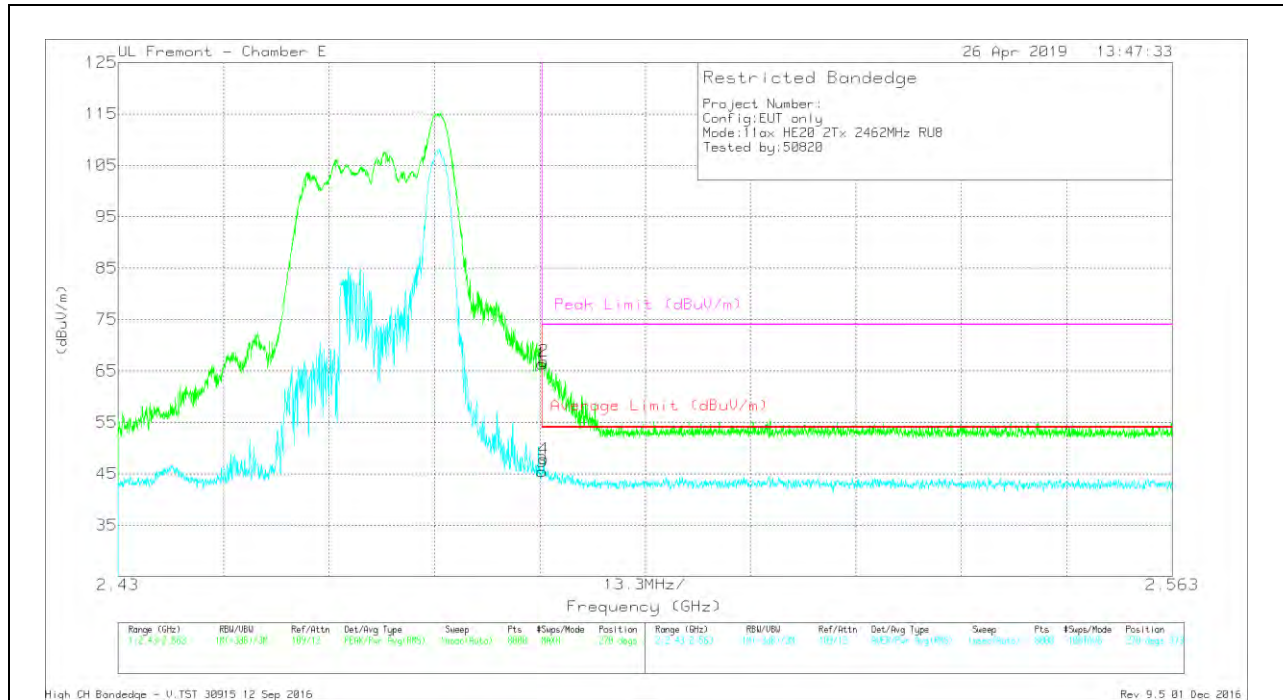
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Ftr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 54.78                | Pk  | 32.8           | -18.1                 | 69.48                      | -                      | -           | 74                  | -4.52          | 310            | 112         | H        |
| 2      | * 2.484         | 54.44                | Pk  | 32.8           | -18.1                 | 69.14                      | -                      | -           | 74                  | -4.86          | 310            | 112         | H        |
| 3      | * 2.484         | 30.48                | RMS | 32.8           | -18.1                 | 45.18                      | 54                     | -8.82       | -                   | -              | 310            | 112         | H        |
| 4      | * 2.484         | 34.29                | RMS | 32.8           | -18.1                 | 48.99                      | 54                     | -5.01       | -                   | -              | 310            | 112         | 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 T119 (dB/m) | Amp/Cbl/Fitr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 51.68                | Pk  | 32.8           | -18.1                  | 66.38                      | -                      | -           | 74                  | -7.62          | 270            | 373         | V        |
| 2      | * 2.484         | 52.18                | Pk  | 32.8           | -18.1                  | 66.88                      | -                      | -           | 74                  | -7.12          | 270            | 373         | V        |
| 3      | * 2.484         | 30.76                | RMS | 32.8           | -18.1                  | 45.46                      | 54                     | -8.54       | -                   | -              | 270            | 373         | V        |
| 4      | * 2.484         | 33.16                | RMS | 32.8           | -18.1                  | 47.86                      | 54                     | -6.14       | -                   | -              | 270            | 373         | V        |

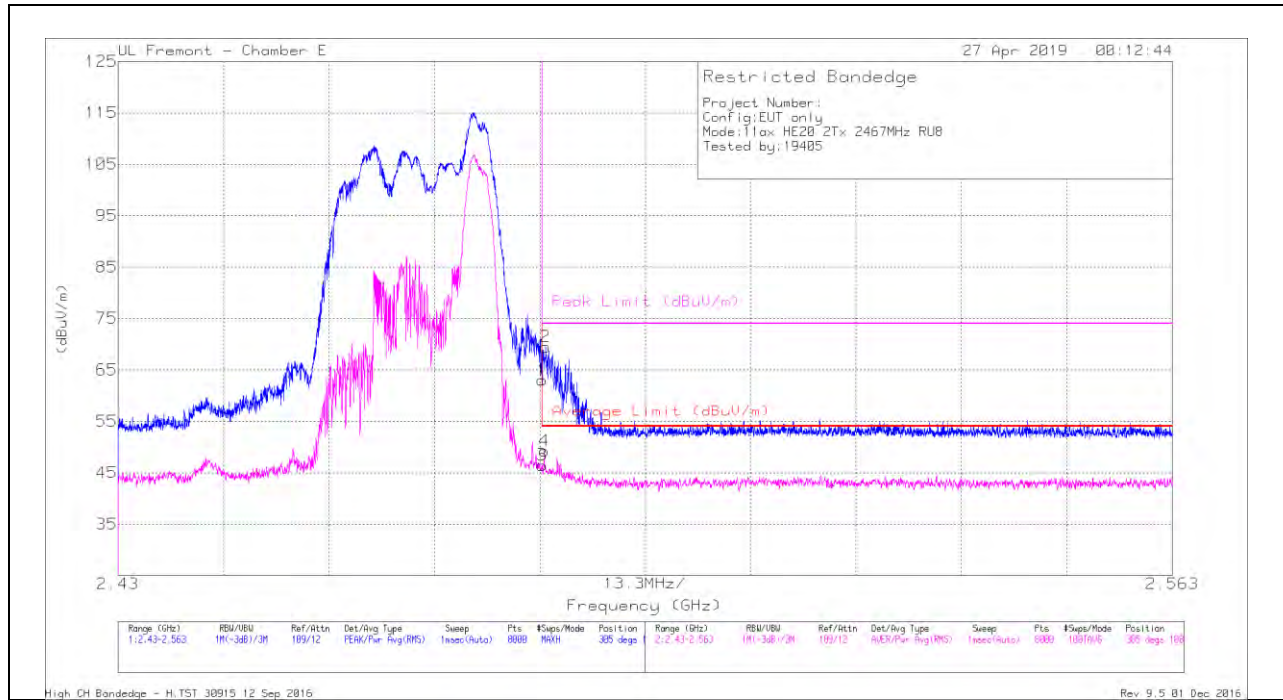
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## BANEDGE (HIGH CHANNEL, CH 12)

### HORIZONTAL RESULT



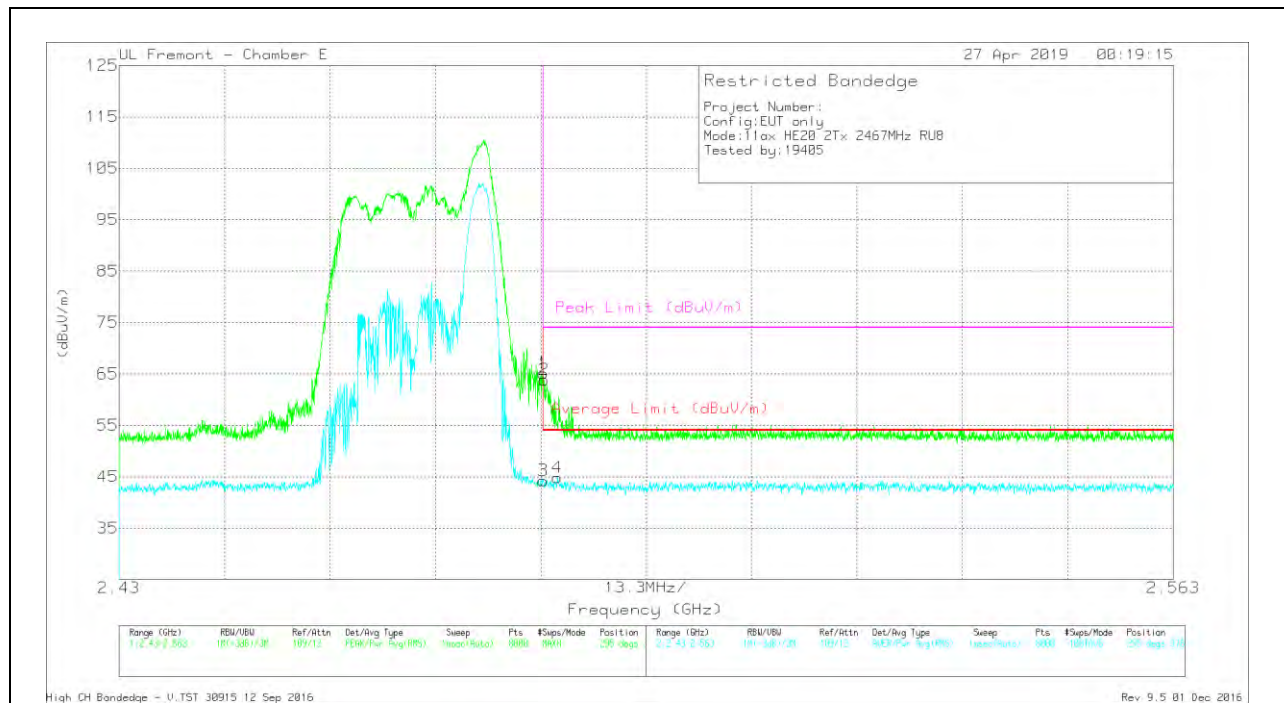
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Ftr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 48.31                | Pk  | 32.8           | -18.1                 | 63.01                      | -                      | -           | 74                  | -10.99         | 305            | 108         | H        |
| 2      | * 2.484         | 54.76                | Pk  | 32.8           | -18.1                 | 69.46                      | -                      | -           | 74                  | -4.54          | 305            | 108         | H        |
| 3      | * 2.484         | 31.78                | RMS | 32.8           | -18.1                 | 46.48                      | 54                     | -7.52       | -                   | -              | 305            | 108         | H        |
| 4      | * 2.484         | 34.51                | RMS | 32.8           | -18.1                 | 49.21                      | 54                     | -4.79       | -                   | -              | 305            | 108         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Ftr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 50.43                | Pk  | 32.8           | -18.1                 | 65.13                      | -                      | -           | 74                  | -8.87          | 295            | 376         | V        |
| 2      | * 2.484         | 49.15                | Pk  | 32.8           | -18.1                 | 63.85                      | -                      | -           | 74                  | -10.15         | 295            | 376         | V        |
| 3      | * 2.484         | 29.55                | RMS | 32.8           | -18.1                 | 44.25                      | 54                     | -9.75       | -                   | -              | 295            | 376         | V        |
| 4      | * 2.485         | 30.2                 | RMS | 32.8           | -18.2                 | 44.8                       | 54                     | -9.2        | -                   | -              | 295            | 376         | V        |

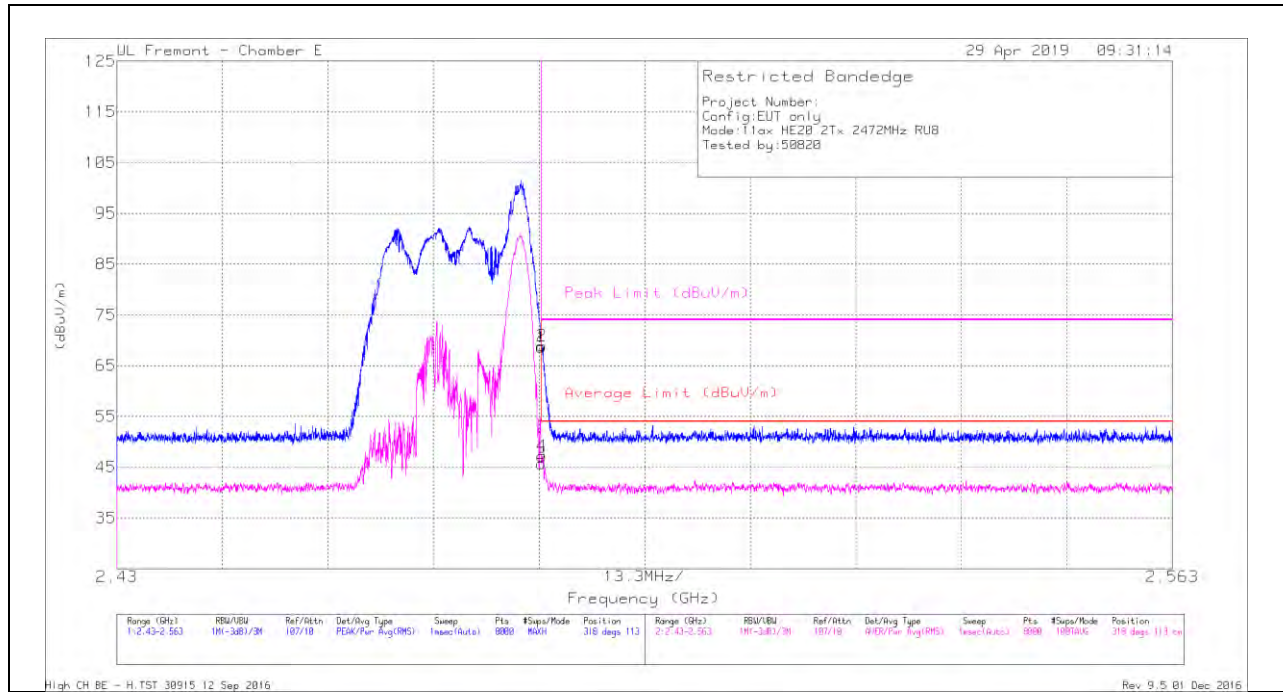
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

### RMS - RMS detection

## BANDEDGE (HIGH CHANNEL, CH 13)

### HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AFT119 (dB/m) | Amp/Cbl/Ftr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 62.22                | Pk  | 32.8          | -26.3                 | 68.72                      | -                      | -           | 74                  | -5.28          | 318            | 113         | H        |
| 2      | * 2.484         | 62.44                | Pk  | 32.8          | -26.3                 | 68.94                      | -                      | -           | 74                  | -5.06          | 318            | 113         | H        |
| 3      | * 2.484         | 39.18                | RMS | 32.8          | -26.3                 | 45.68                      | 54                     | -8.32       | -                   | -              | 318            | 113         | H        |
| 4      | * 2.484         | 40.7                 | RMS | 32.8          | -26.3                 | 47.2                       | 54                     | -6.8        | -                   | -              | 318            | 113         | H        |

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

Pk - Peak detector

RMS - RMS detection

UL Fremont - Chamber E

29 Apr 2019 09:36:03

Restricted Bandedge

Project Number:  
Config: EUT only  
Mode: T1a HE20 2T x 2472MHz RUB  
Tested by: 58820

(dBuV/m)

Peak Limit (dBuV/m)

Average Limit (dBuV/m)

13.3MHz/

Frequency (GHz)

2.43 2.563

| Range (GHz)  | RBW/VBW     | Ref/Att'n | Det/Avg Type        | Sweep        | Pls  | #Sps/Mode | Position     | Range (GHz)  | RBW/VBW     | Ref/Att'n | Det/Avg Type        | Sweep        | Pls  | #Sps/Mode | Position     |
|--------------|-------------|-----------|---------------------|--------------|------|-----------|--------------|--------------|-------------|-----------|---------------------|--------------|------|-----------|--------------|
| 1.2 43-2.563 | 110/3400/30 | 107/10    | VBW/Power Avg (RMS) | Linear (RFL) | 1000 | 1000      | 75 slope 371 | 2.0 43-2.563 | 110/3400/30 | 107/10    | VBW/Power Avg (RMS) | Linear (RFL) | 1000 | 1000      | 75 slope 371 |

High CH RF - U.TST 30915 12 Sep 2016

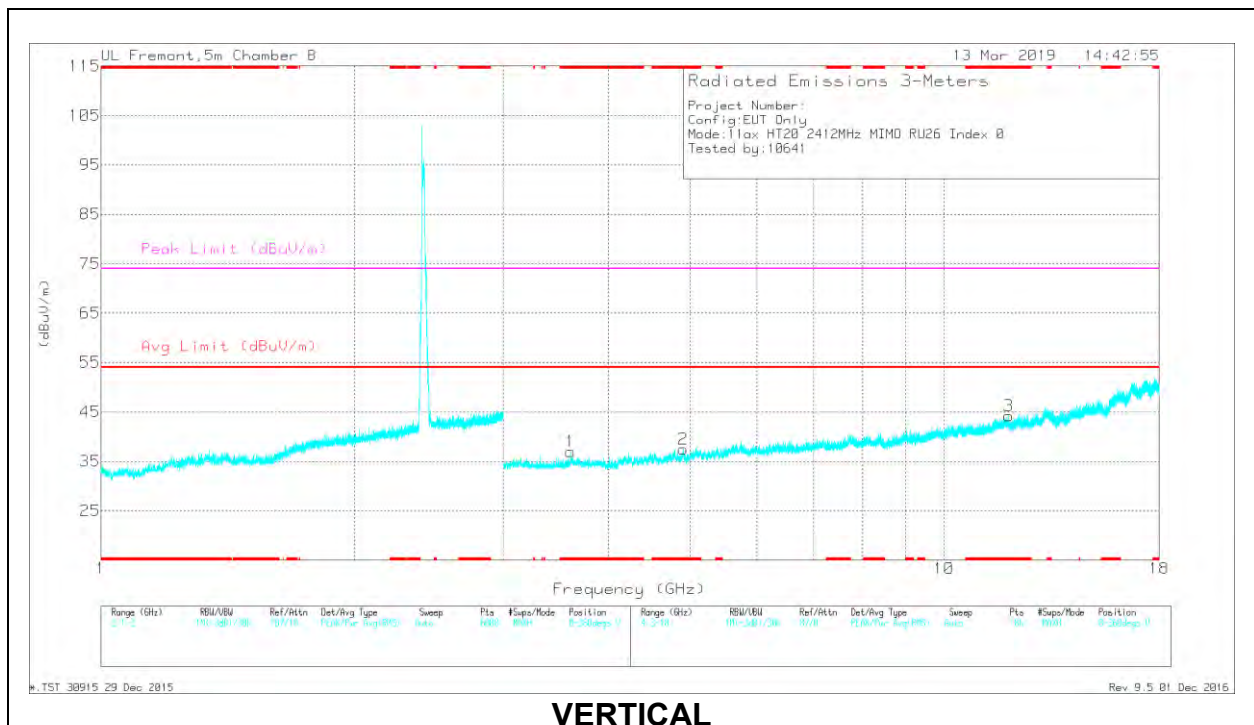
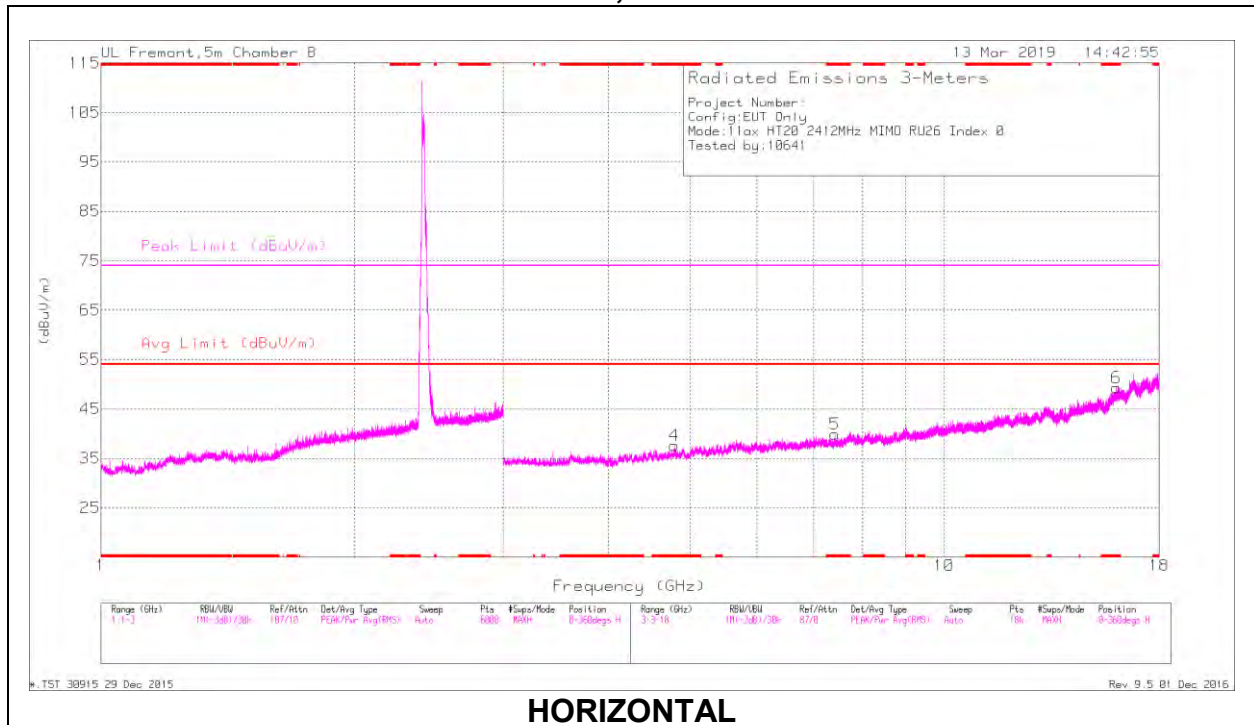
Rev 9.5 R1 Dec 2016

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Chl/Ftr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 59.34                | Pk  | 32.8           | -26.3                 | 65.84                      | -                      | -           | 74                  | -8.16          | 75             | 371         | V        |
| 2      | * 2.484         | 60.98                | Pk  | 32.8           | -26.3                 | 67.48                      | -                      | -           | 74                  | -6.52          | 75             | 371         | V        |
| 3      | * 2.484         | 41.41                | RMS | 32.8           | -26.3                 | 47.91                      | 54                     | -6.09       | -                   | -              | 75             | 371         | V        |
| 4      | * 2.484         | 37.04                | RMS | 32.8           | -26.3                 | 43.54                      | 54                     | -10.46      | -                   | -              | 75             | 371         | V        |

Pk - Peak detector  
RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL, CH 1 RESULTS



## RADIATED EMISSIONS

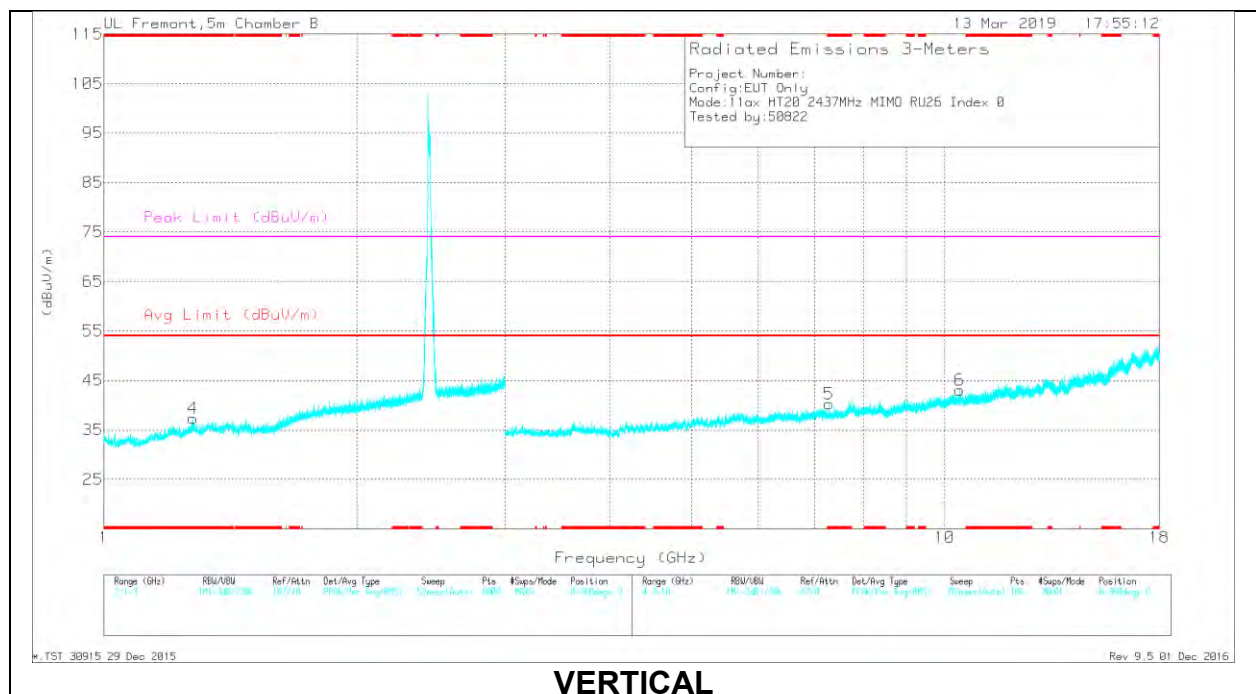
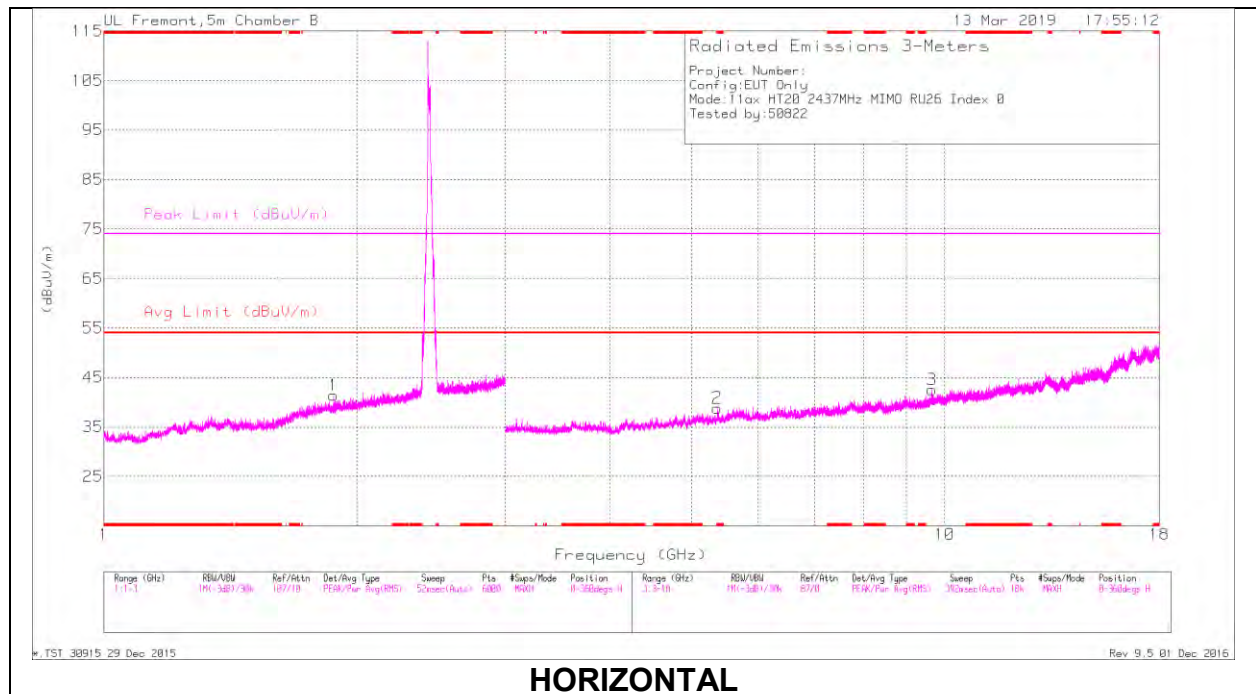
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T863 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| 4      | * 4.789         | 37.82                | PK2  | 34             | -27                   | 44.82                      | -                  | -           | 74                  | -29.18      | 274            | 281         | H        |
|        | * 4.788         | 25.15                | MAv1 | 34             | -27                   | 32.15                      | 54                 | -21.85      | -                   | -           | 274            | 281         | H        |
| 5      | * 7.427         | 35.83                | PK2  | 36.2           | -25.4                 | 46.63                      | -                  | -           | 74                  | -27.37      | 330            | 164         | H        |
|        | * 7.426         | 24.04                | MAv1 | 36.2           | -25.5                 | 34.74                      | 54                 | -19.26      | -                   | -           | 330            | 164         | H        |
| 6      | * 16.022        | 32.38                | PK2  | 42.6           | -18.1                 | 56.88                      | -                  | -           | 74                  | -17.12      | 293            | 199         | H        |
|        | * 16.023        | 18.33                | MAv1 | 42.6           | -18.1                 | 42.83                      | 54                 | -11.17      | -                   | -           | 293            | 199         | H        |
| 1      | * 3.606         | 39.22                | PK2  | 33.3           | -29.1                 | 43.42                      | -                  | -           | 74                  | -30.58      | 156            | 186         | V        |
|        | * 3.606         | 26.7                 | MAv1 | 33.3           | -29.1                 | 30.9                       | 54                 | -23.1       | -                   | -           | 156            | 186         | V        |
| 2      | * 4.9           | 38.7                 | PK2  | 34.4           | -28.9                 | 44.2                       | -                  | -           | 74                  | -29.8       | 180            | 134         | V        |
|        | * 4.902         | 27.64                | MAv1 | 34.4           | -28.9                 | 33.14                      | 54                 | -20.86      | -                   | -           | 180            | 134         | V        |
| 3      | * 11.925        | 32.98                | PK2  | 38.8           | -20                   | 51.78                      | -                  | -           | 74                  | -22.22      | 323            | 353         | V        |
|        | * 11.927        | 18.77                | MAv1 | 38.8           | -20                   | 37.57                      | 54                 | -16.43      | -                   | -           | 323            | 353         | V        |

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

## MID CHANNEL, CH 6 RESULTS



## RADIATED EMISSIONS

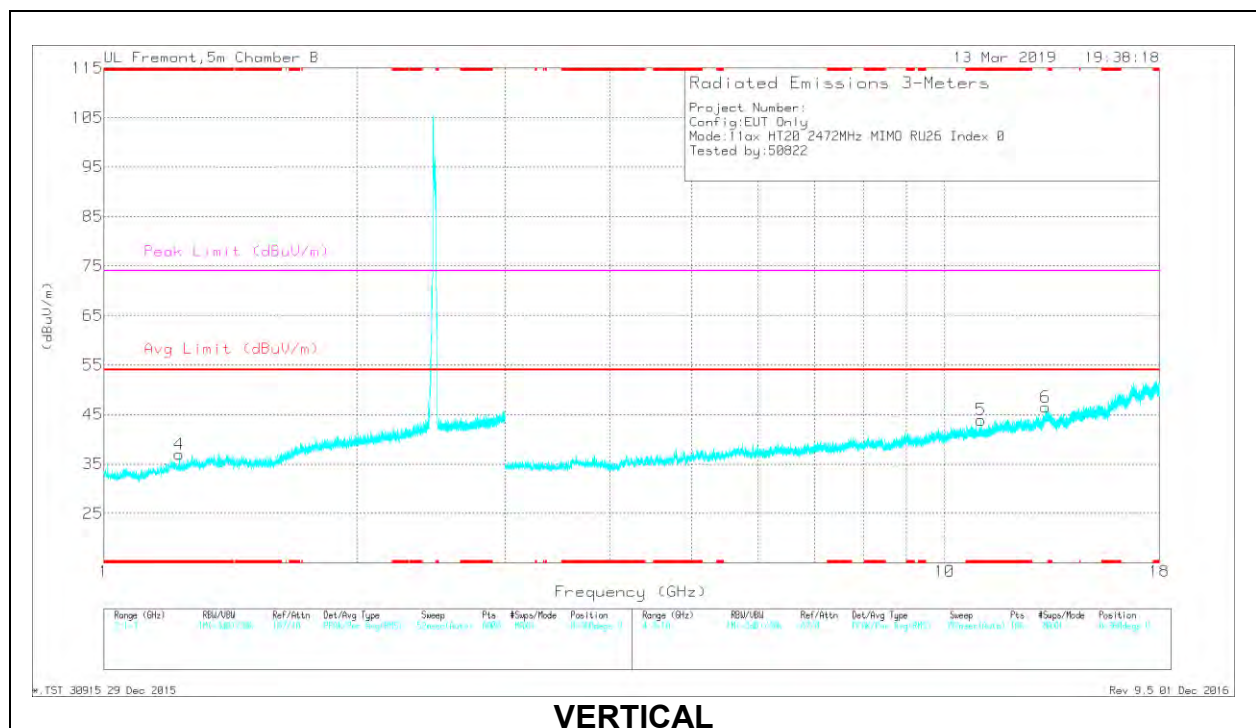
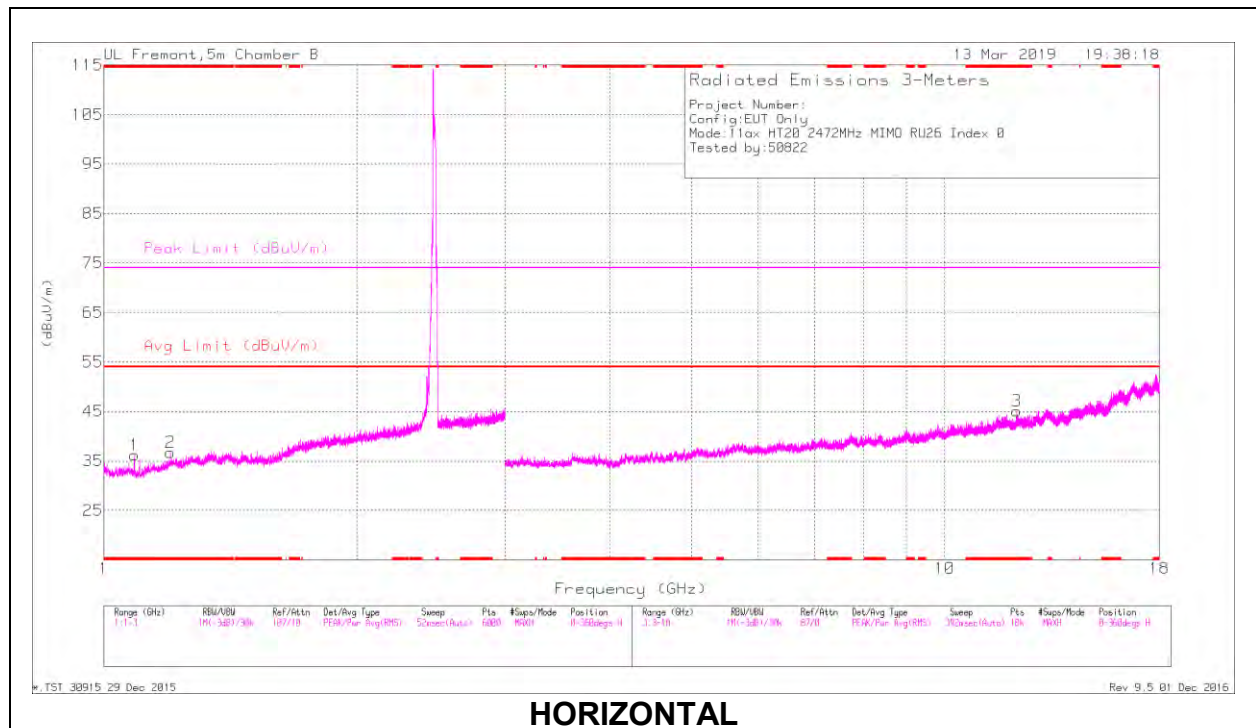
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T863 (dB/m) | Amp/Cbl/Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|----------------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| 4      | * 1.274         | 36.56                | PK2  | 28.4           | -20.5                | 0            | 44.46                      | -                  | -           | 74                  | -29.54      | 207            | 167         | V        |
|        | * 1.276         | 18.92                | MAv1 | 28.4           | -20.5                | 0            | 26.82                      | 54                 | -27.18      | -                   | -           | 207            | 167         | V        |
| 2      | * 5.368         | 37.53                | PK2  | 35.1           | -27.4                | 0            | 45.23                      | -                  | -           | 74                  | -28.77      | 97             | 261         | H        |
|        | * 5.367         | 24.97                | MAv1 | 35.1           | -27.3                | 0            | 32.77                      | 54                 | -21.23      | -                   | -           | 97             | 261         | H        |
| 5      | * 7.286         | 37.84                | PK2  | 35.9           | -26.2                | 0            | 47.54                      | -                  | -           | 74                  | -26.46      | 247            | 272         | V        |
|        | * 7.286         | 25.58                | MAv1 | 35.9           | -26.2                | 0            | 35.28                      | 54                 | -18.72      | -                   | -           | 247            | 272         | V        |
| 1      | 1.877           | 36.32                | PK2  | 31             | -19.7                | 0            | 47.62                      | -                  | -           | -                   | -           | 312            | 278         | H        |
| 3      | 9.662           | 34.04                | PK2  | 37.2           | -22.3                | 0            | 48.94                      | -                  | -           | -                   | -           | 289            | 104         | H        |
| 6      | 10.411          | 33                   | PK2  | 37.9           | -21.4                | 0            | 49.5                       | -                  | -           | -                   | -           | 351            | 219         | V        |

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

## HIGH CHANNEL, CH 13 RESULTS



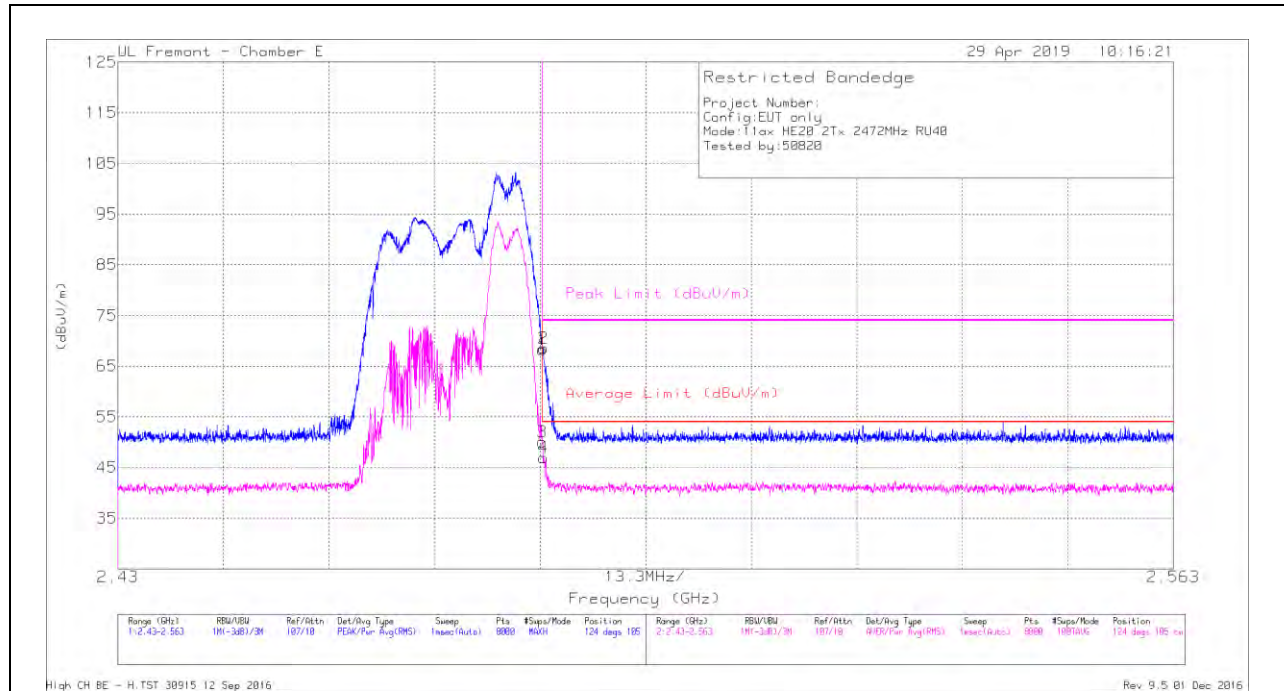
## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T863 (dB/m) | Amp/Cb/Ftr/P ad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|----------------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| 1      | * 1.088         | 36.92                | PK2  | 27.3           | -21.6                | 0            | 42.62                      | -                  | -           | 74                  | -31.38      | 157            | 158         | H        |
|        | * 1.086         | 18.71                | MAv1 | 27.3           | -21.7                | 0            | 24.31                      | 54                 | -29.69      | -                   | -           | 157            | 158         | H        |
| 2      | * 1.202         | 36.17                | PK2  | 28.2           | -20.8                | 0            | 43.57                      | -                  | -           | 74                  | -30.43      | 355            | 223         | H        |
|        | * 1.201         | 18.77                | MAv1 | 28.2           | -20.8                | 0            | 26.17                      | 54                 | -27.83      | -                   | -           | 355            | 223         | H        |
| 4      | * 1.229         | 35.71                | PK2  | 28.3           | -20.8                | 0            | 43.21                      | -                  | -           | 74                  | -30.79      | 49             | 183         | V        |
|        | * 1.228         | 17.41                | MAv1 | 28.3           | -20.8                | 0            | 24.91                      | 54                 | -29.09      | -                   | -           | 49             | 183         | V        |
| 3      | * 12.174        | 32.97                | PK2  | 39.2           | -20.5                | 0            | 51.67                      | -                  | -           | 74                  | -22.33      | 9              | 252         | H        |
|        | * 12.173        | 18.97                | MAv1 | 39.2           | -20.5                | 0            | 37.67                      | 54                 | -16.33      | -                   | -           | 9              | 252         | H        |
| 5      | * 11.049        | 32.91                | PK2  | 37.9           | -21                  | 0            | 49.81                      | -                  | -           | 74                  | -24.19      | 12             | 278         | V        |
|        | * 11.045        | 19.24                | MAv1 | 37.9           | -21.1                | 0            | 36.04                      | 54                 | -17.96      | -                   | -           | 12             | 278         | V        |
| 6      | 13.18           | 32.58                | PK2  | 40.3           | -19.7                | 0            | 53.18                      | -                  | -           | -                   | -           | 5              | 253         | V        |

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**BANDEDGE ( HIGH CHANNEL, CH 13)****HORIZONTAL RESULT**

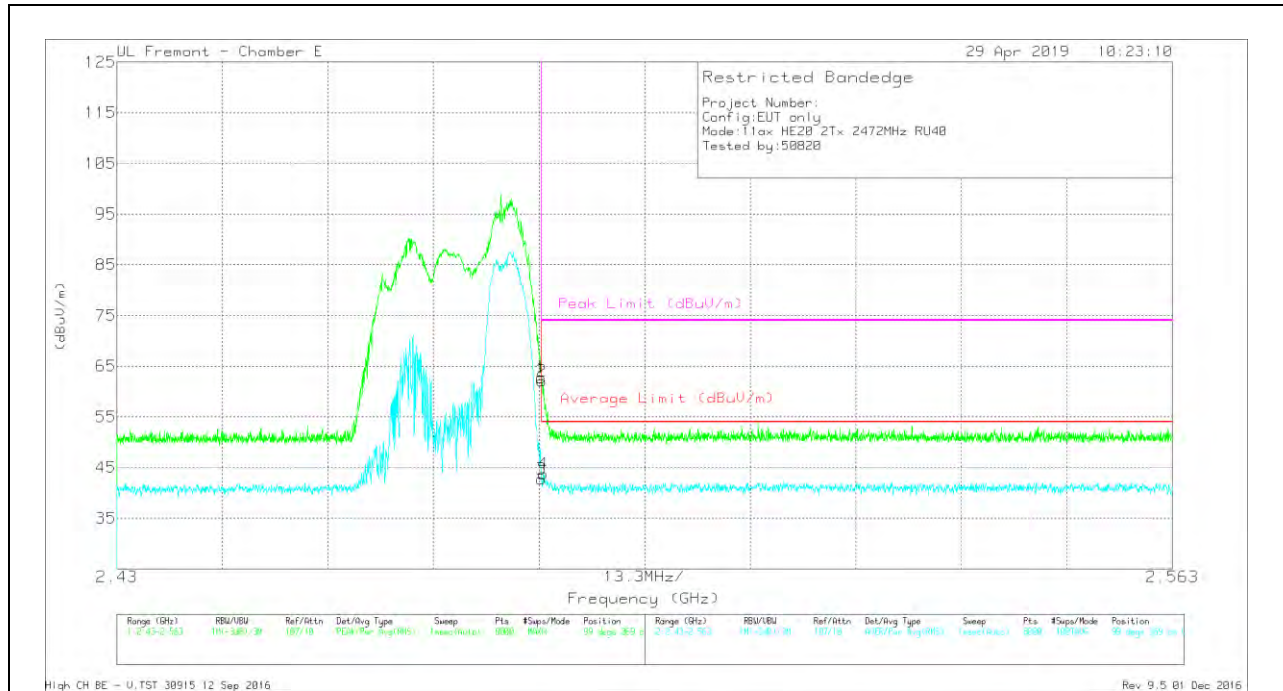
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Fitr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 61.82                | Pk  | 32.8           | -26.3                  | 68.32                      | -                      | -           | 74                  | -5.68          | 124            | 105         | H        |
| 2      | * 2.484         | 62.04                | Pk  | 32.8           | -26.3                  | 68.54                      | -                      | -           | 74                  | -5.46          | 124            | 105         | H        |
| 3      | * 2.484         | 43.53                | RMS | 32.8           | -26.3                  | 50.03                      | 54                     | -3.97       | -                   | -              | 124            | 105         | H        |
| 4      | * 2.484         | 40.39                | RMS | 32.8           | -26.3                  | 46.89                      | 54                     | -7.11       | -                   | -              | 124            | 105         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT

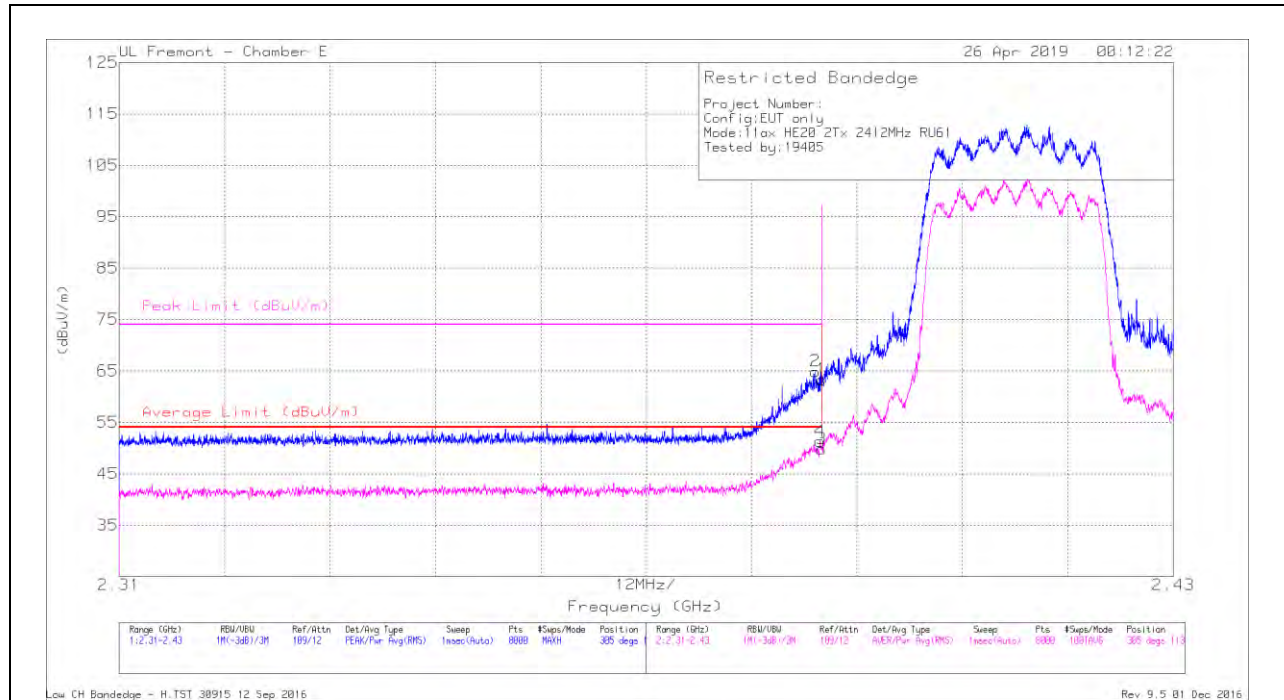


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Ftr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 56.25                | Pk  | 32.8           | -26.3                | 62.75                      | -                      | -           | 74                  | -11.25         | 99             | 369         | V        |
| 2      | * 2.484         | 55.53                | Pk  | 32.8           | -26.3                | 62.03                      | -                      | -           | 74                  | -11.97         | 99             | 369         | V        |
| 3      | * 2.484         | 36.18                | RMS | 32.8           | -26.3                | 42.68                      | 54                     | -11.32      | -                   | -              | 99             | 369         | V        |
| 4      | * 2.484         | 37.16                | RMS | 32.8           | -26.3                | 43.66                      | 54                     | -10.34      | -                   | -              | 99             | 369         | V        |

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

Pk - Peak detector

RMS - RMS detection

**BANDEDGE ( LOW CHANNEL, CH 1)****HORIZONTAL RESULT**

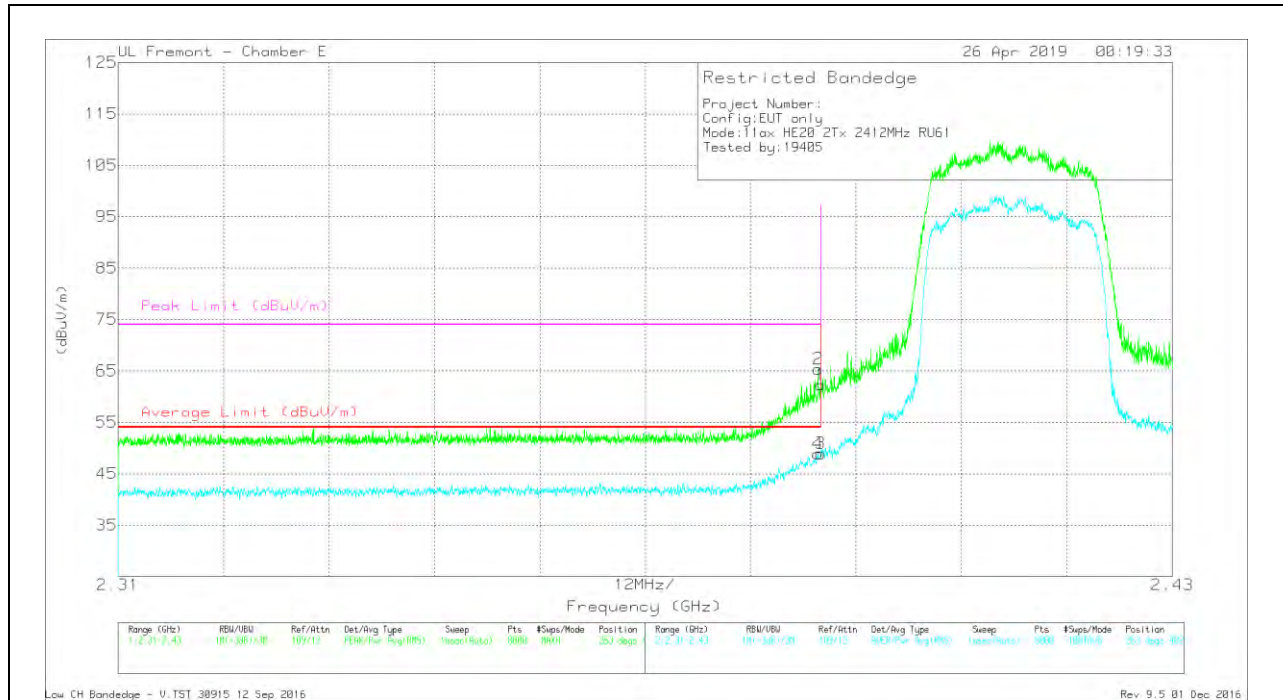
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AFT T119 (dB/m) | Amp/Cbl/Ftr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-----------------|----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 49.33                | Pk  | 32.3            | -18.3                | 63.33                      | -                      | -           | 74                  | -10.67         | 305            | 113         | H        |
| 2      | * 2.389         | 50.92                | Pk  | 32.3            | -18.3                | 64.92                      | -                      | -           | 74                  | -9.08          | 305            | 113         | H        |
| 3      | * 2.39          | 35.82                | RMS | 32.3            | -18.3                | 49.82                      | 54                     | -4.18       | -                   | -              | 305            | 113         | H        |
| 4      | * 2.39          | 37.31                | RMS | 32.3            | -18.3                | 51.31                      | 54                     | -2.69       | -                   | -              | 305            | 113         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT

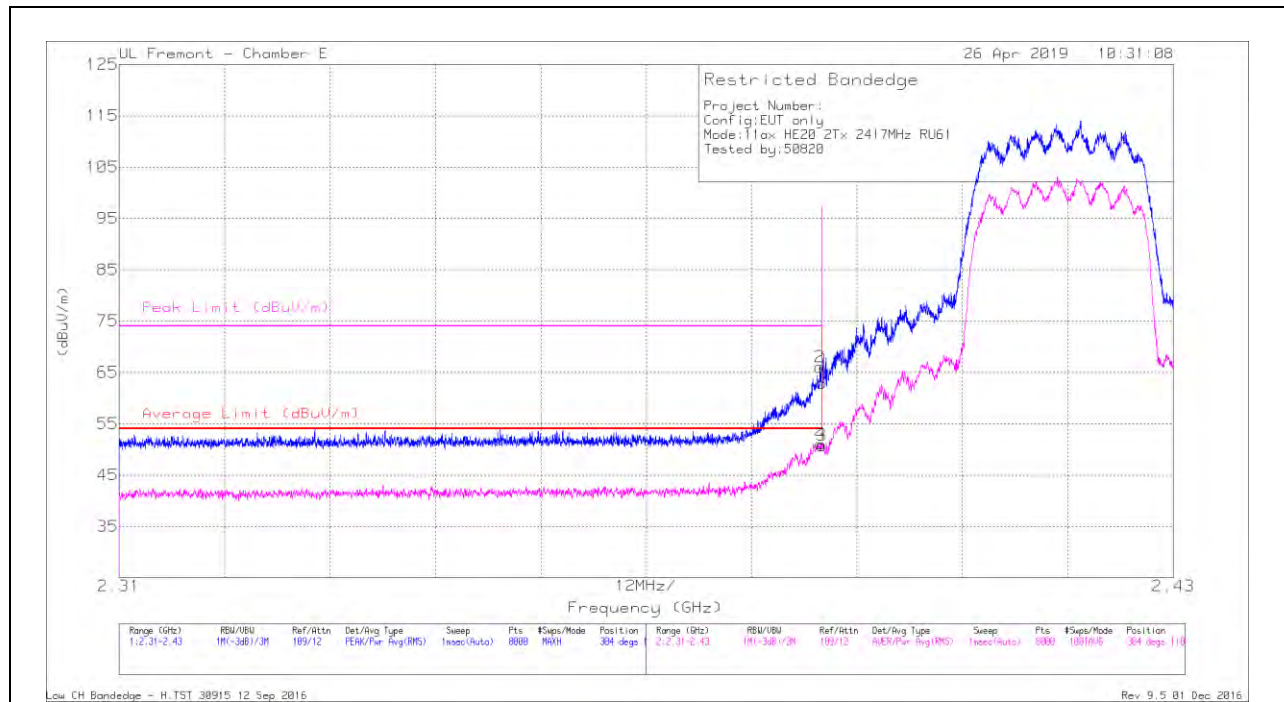


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Fitr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 48.29                | Pk  | 32.3           | -18.3                  | 62.29                      | -                      | -           | 74                  | -11.71         | 263            | 402         | V        |
| 2      | * 2.39          | 51.37                | Pk  | 32.3           | -18.3                  | 65.37                      | -                      | -           | 74                  | -8.63          | 263            | 402         | V        |
| 3      | * 2.39          | 34.94                | RMS | 32.3           | -18.3                  | 48.94                      | 54                     | -5.06       | -                   | -              | 263            | 402         | V        |
| 4      | * 2.39          | 34.84                | RMS | 32.3           | -18.3                  | 48.84                      | 54                     | -5.16       | -                   | -              | 263            | 402         | V        |

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

Pk - Peak detector

RMS - RMS detection

**BANDEDGE (LOW CHANNEL, CH 2)****HORIZONTAL RESULT**

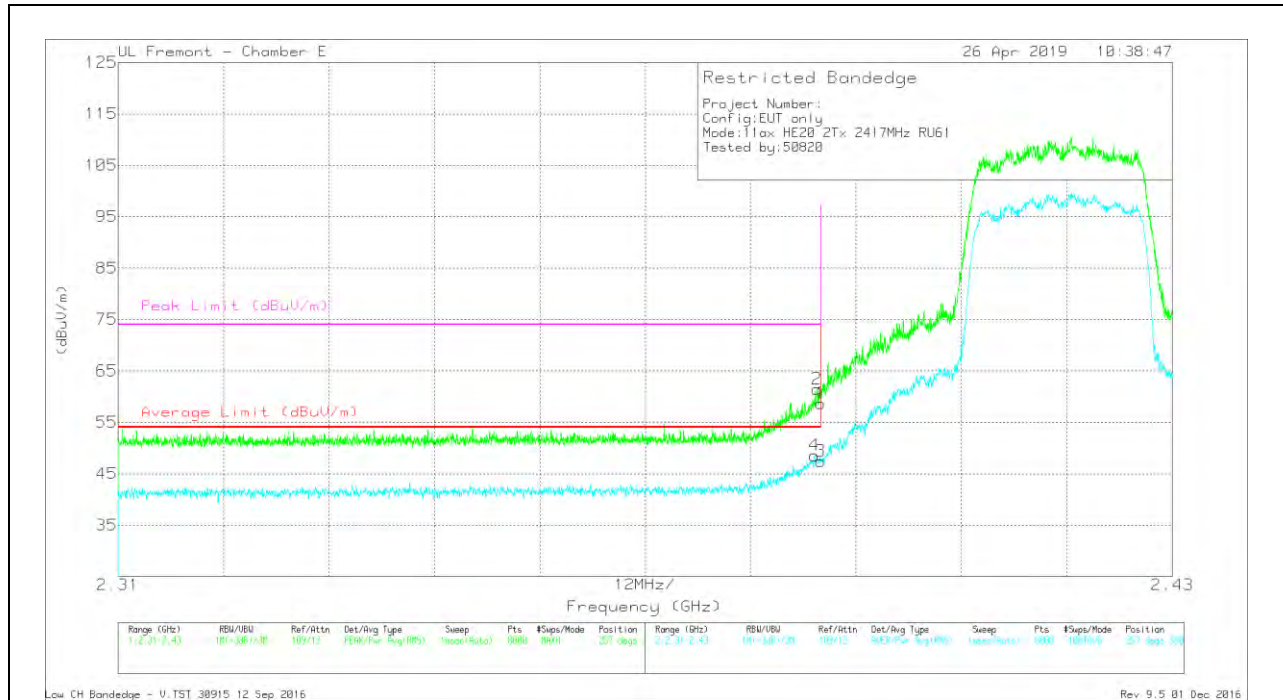
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Ftr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 48.92                | Pk  | 32.3           | -18.3                | 62.92                      | -                      | -           | 74                  | -11.08         | 304            | 110         | H        |
| 2      | * 2.39          | 52.04                | Pk  | 32.3           | -18.3                | 66.04                      | -                      | -           | 74                  | -7.96          | 304            | 110         | H        |
| 3      | * 2.39          | 36.77                | RMS | 32.3           | -18.3                | 50.77                      | 54                     | -3.23       | -                   | -              | 304            | 110         | H        |
| 4      | * 2.39          | 37.03                | RMS | 32.3           | -18.3                | 51.03                      | 54                     | -2.97       | -                   | -              | 304            | 110         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT

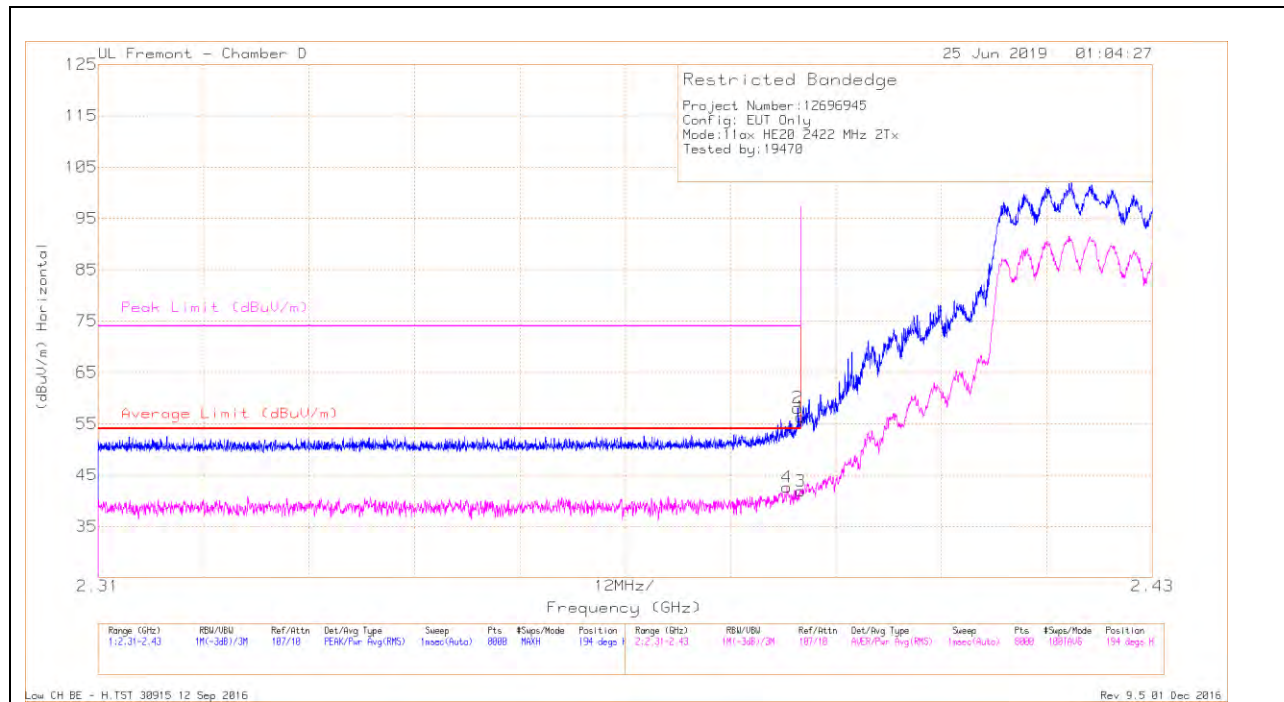


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filt/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 4      | * 2.389         | 34.56                | RMS | 32.3           | -18.3                  | 48.56                      | 54                     | -5.44       | -                   | -              | 257            | 390         | V        |
| 1      | * 2.39          | 44.66                | Pk  | 32.3           | -18.3                  | 58.66                      | -                      | -           | 74                  | -15.34         | 257            | 390         | V        |
| 2      | * 2.39          | 47.47                | Pk  | 32.3           | -18.3                  | 61.47                      | -                      | -           | 74                  | -12.53         | 257            | 390         | V        |
| 3      | * 2.39          | 33.44                | RMS | 32.3           | -18.3                  | 47.44                      | 54                     | -6.56       | -                   | -              | 257            | 390         | V        |

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

Pk - Peak detector

RMS - RMS detection

**BANDEDGE (LOW CHANNEL, CH 3)****HORIZONTAL RESULT**

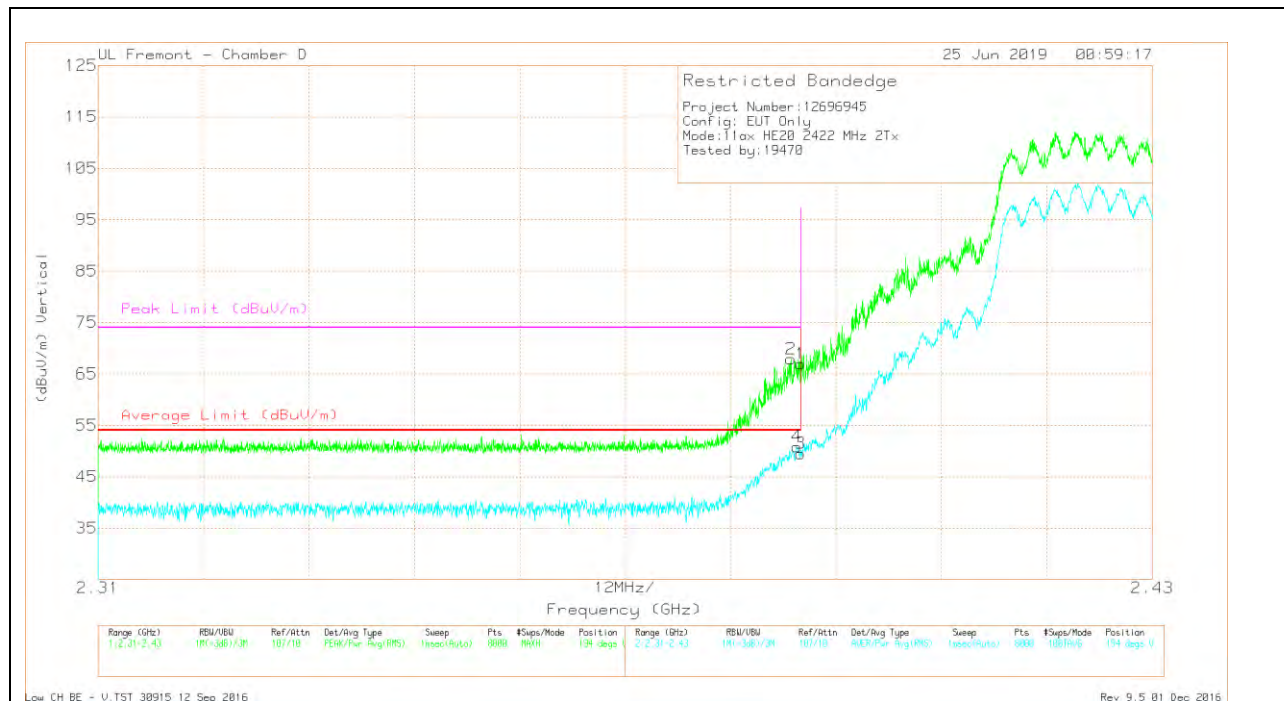
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 44.88                | Pk  | 32             | -20.6                 | 56.28                      | -                      | -           | 74                  | -17.72         | 194            | 172         | H        |
| 2      | * 2.39          | 46.7                 | Pk  | 32             | -20.6                 | 58.1                       | -                      | -           | 74                  | -15.9          | 194            | 172         | H        |
| 3      | * 2.39          | 30.49                | RMS | 32             | -20.6                 | 41.89                      | 54                     | -12.11      | -                   | -              | 194            | 172         | H        |
| 4      | * 2.388         | 31.22                | RMS | 32             | -20.6                 | 42.62                      | 54                     | -11.38      | -                   | -              | 194            | 172         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT

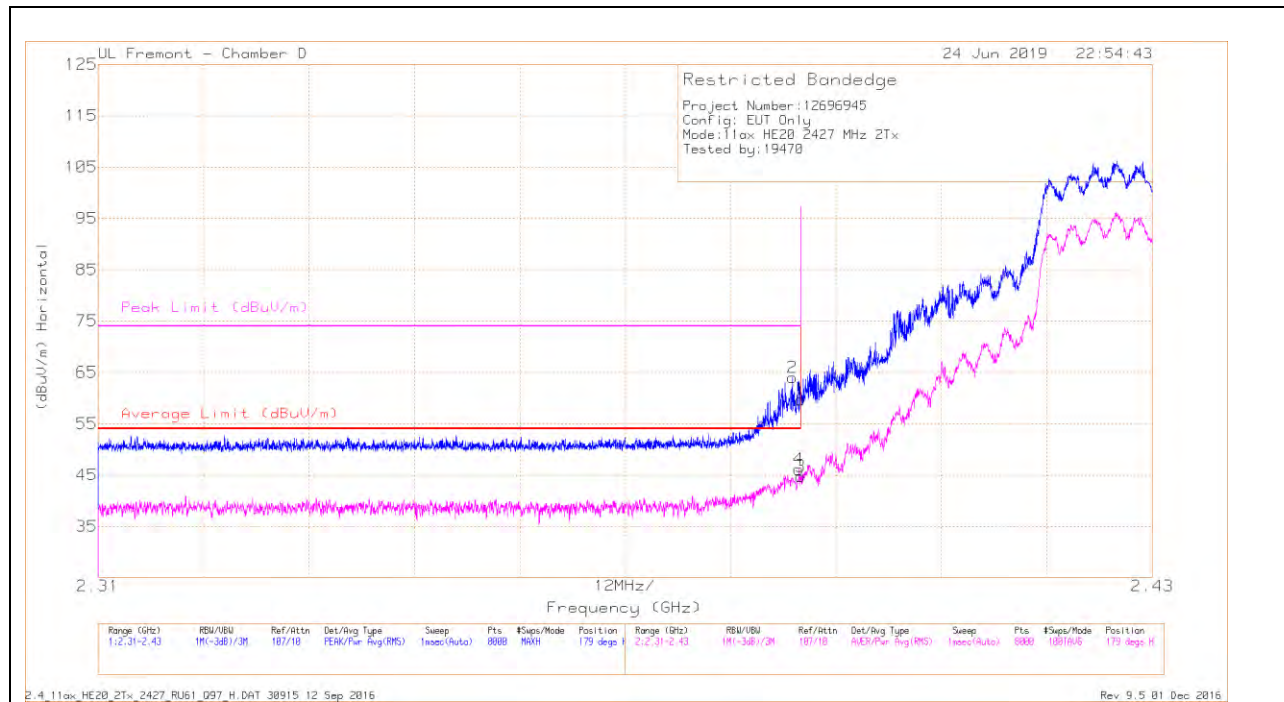


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/Cbl/Filtr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 55.56                | Pk  | 32             | -20.6                   | 66.96                      | -                      | -           | 74                  | -7.04          | 194            | 172         | V        |
| 2      | * 2.389         | 56.5                 | Pk  | 32             | -20.6                   | 67.9                       | -                      | -           | 74                  | -6.1           | 194            | 172         | V        |
| 3      | * 2.39          | 38.13                | RMS | 32             | -20.6                   | 49.53                      | 54                     | -4.47       | -                   | -              | 194            | 172         | V        |
| 4      | * 2.39          | 39.45                | RMS | 32             | -20.6                   | 50.85                      | 54                     | -3.15       | -                   | -              | 194            | 172         | V        |

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

Pk - Peak detector

RMS - RMS detection

**BANEDGE (LOW CHANNEL, CH 4)****HORIZONTAL RESULT**

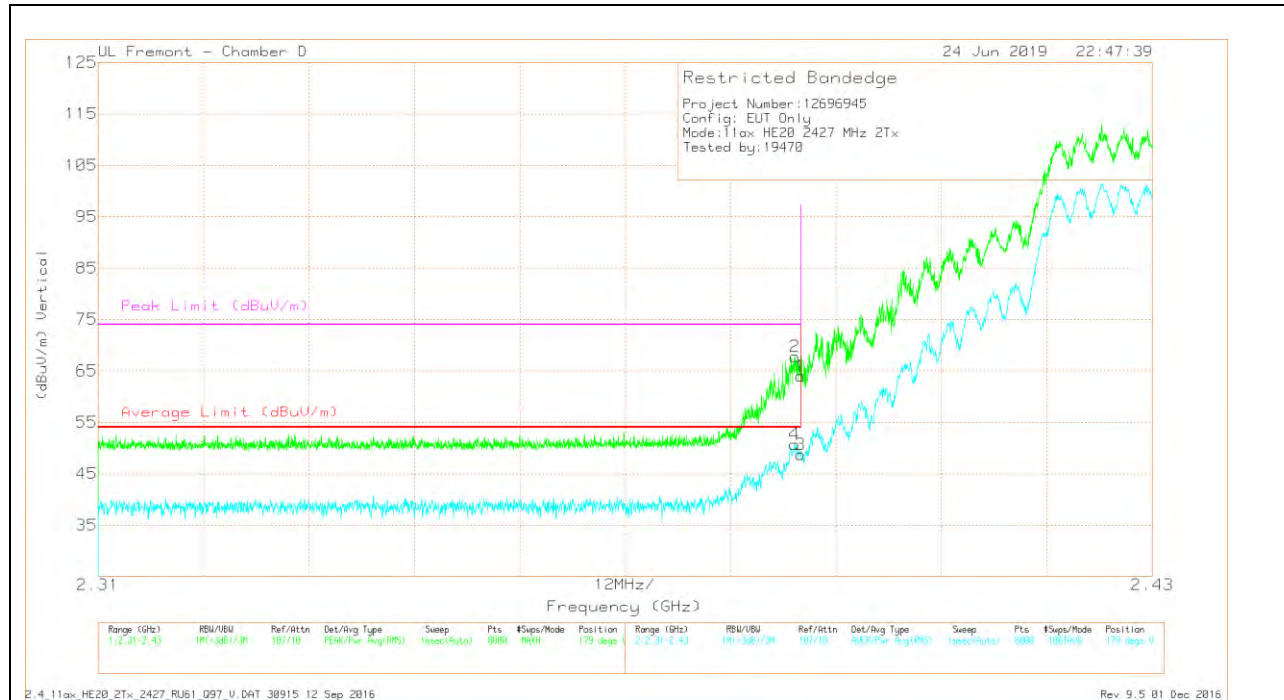
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/Cbl/Fitr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 48.28                | Pk  | 32             | -20.6                  | 59.68                      | -                      | -           | 74                  | -14.32         | 179            | 287         | H        |
| 2      | * 2.389         | 52.61                | Pk  | 32             | -20.6                  | 64.01                      | -                      | -           | 74                  | -9.99          | 179            | 287         | H        |
| 3      | * 2.39          | 33.33                | RMS | 32             | -20.6                  | 44.73                      | 54                     | -9.27       | -                   | -              | 179            | 287         | H        |
| 4      | * 2.39          | 34.73                | RMS | 32             | -20.6                  | 46.13                      | 54                     | -7.87       | -                   | -              | 179            | 287         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT

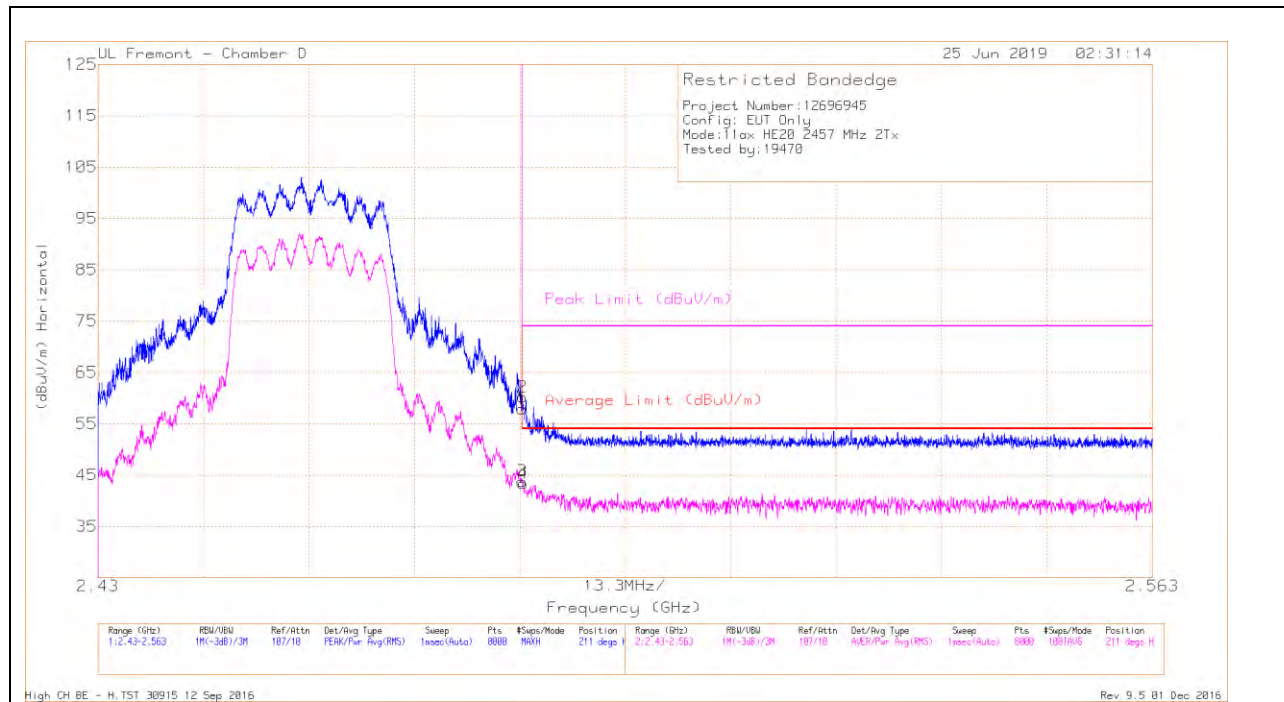


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/Cbl/Filtr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 52.58                | Pk  | 32             | -20.6                   | 63.98                      | -                      | -           | 74                  | -10.02         | 179            | 287         | V        |
| 2      | * 2.389         | 56.37                | Pk  | 32             | -20.6                   | 67.77                      | -                      | -           | 74                  | -6.23          | 179            | 287         | V        |
| 3      | * 2.39          | 37.33                | RMS | 32             | -20.6                   | 48.73                      | 54                     | -5.27       | -                   | -              | 179            | 287         | V        |
| 4      | * 2.389         | 39.33                | RMS | 32             | -20.6                   | 50.73                      | 54                     | -3.27       | -                   | -              | 179            | 287         | V        |

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

Pk - Peak detector

RMS - RMS detection

**BANDEDGE (HIGH CHANNEL, CH 10)****HORIZONTAL RESULT**

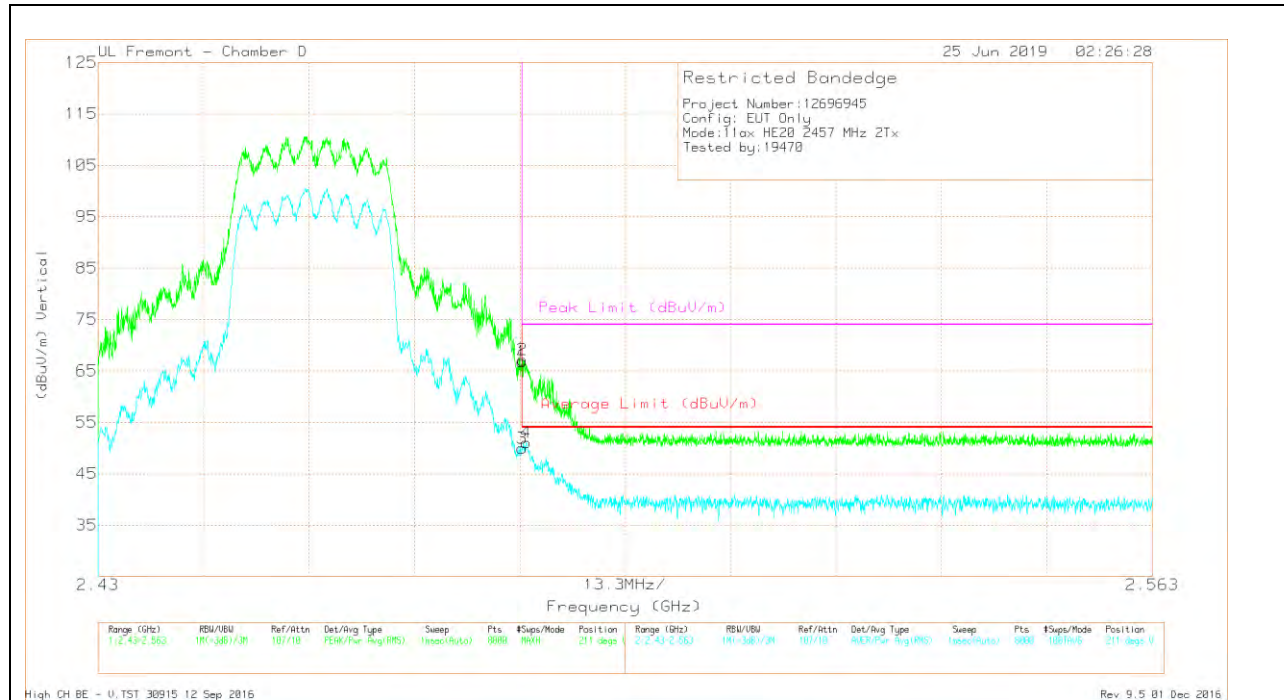
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/Cbl/Ftr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 46.09                | Pk  | 32.4           | -20.6                | 57.89                      | -                      | -           | 74                  | -16.11         | 211            | 234         | H        |
| 2      | * 2.484         | 48.4                 | Pk  | 32.4           | -20.6                | 60.2                       | -                      | -           | 74                  | -13.8          | 211            | 234         | H        |
| 3      | * 2.484         | 31.99                | RMS | 32.4           | -20.6                | 43.79                      | 54                     | -10.21      | -                   | -              | 211            | 234         | H        |
| 4      | * 2.484         | 31.55                | RMS | 32.4           | -20.6                | 43.35                      | 54                     | -10.65      | -                   | -              | 211            | 234         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 54.99                | Pk  | 32.4           | -20.6                  | 66.79                      | -                      | -           | 74                  | -7.21          | 211            | 234         | V        |
| 2      | * 2.484         | 55.35                | Pk  | 32.4           | -20.6                  | 67.15                      | -                      | -           | 74                  | -6.85          | 211            | 234         | V        |
| 3      | * 2.484         | 38.16                | RMS | 32.4           | -20.6                  | 49.96                      | 54                     | -4.04       | -                   | -              | 211            | 234         | V        |
| 4      | * 2.484         | 39.37                | RMS | 32.3           | -20.6                  | 51.07                      | 54                     | -2.93       | -                   | -              | 211            | 234         | V        |

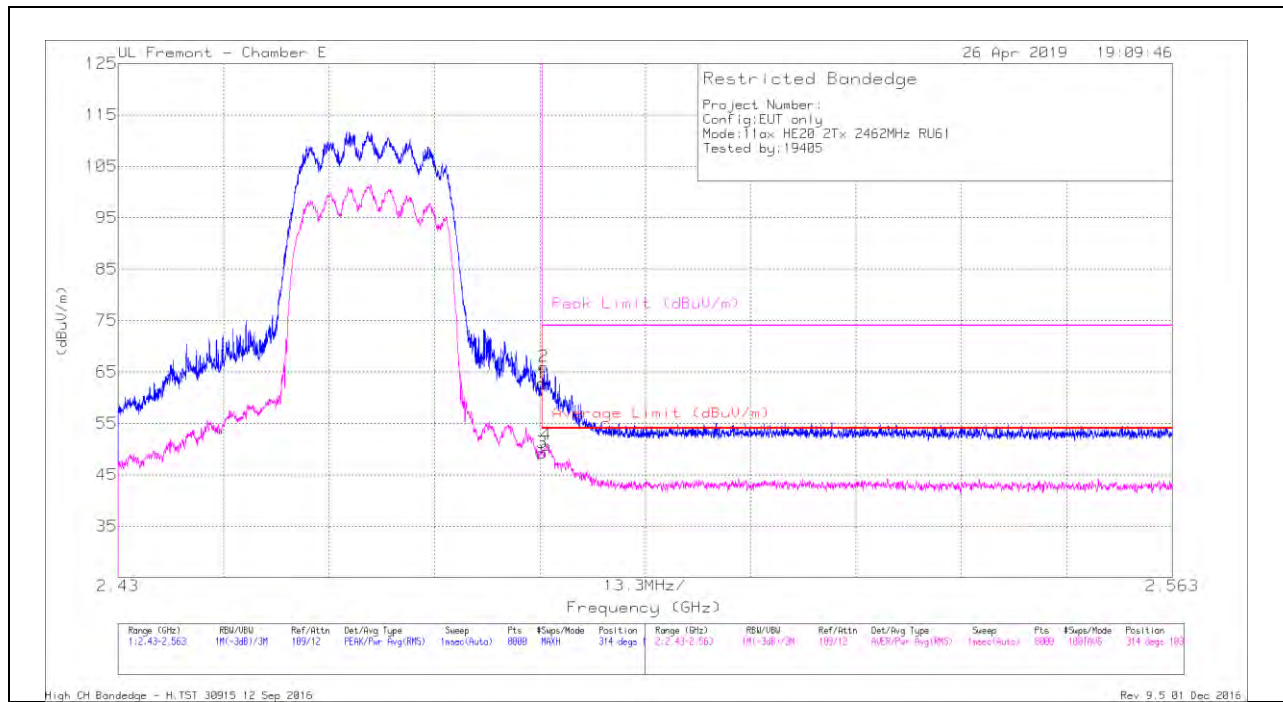
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## BANEDGE (HIGH CHANNEL, CH 11)

### HORIZONTAL RESULT



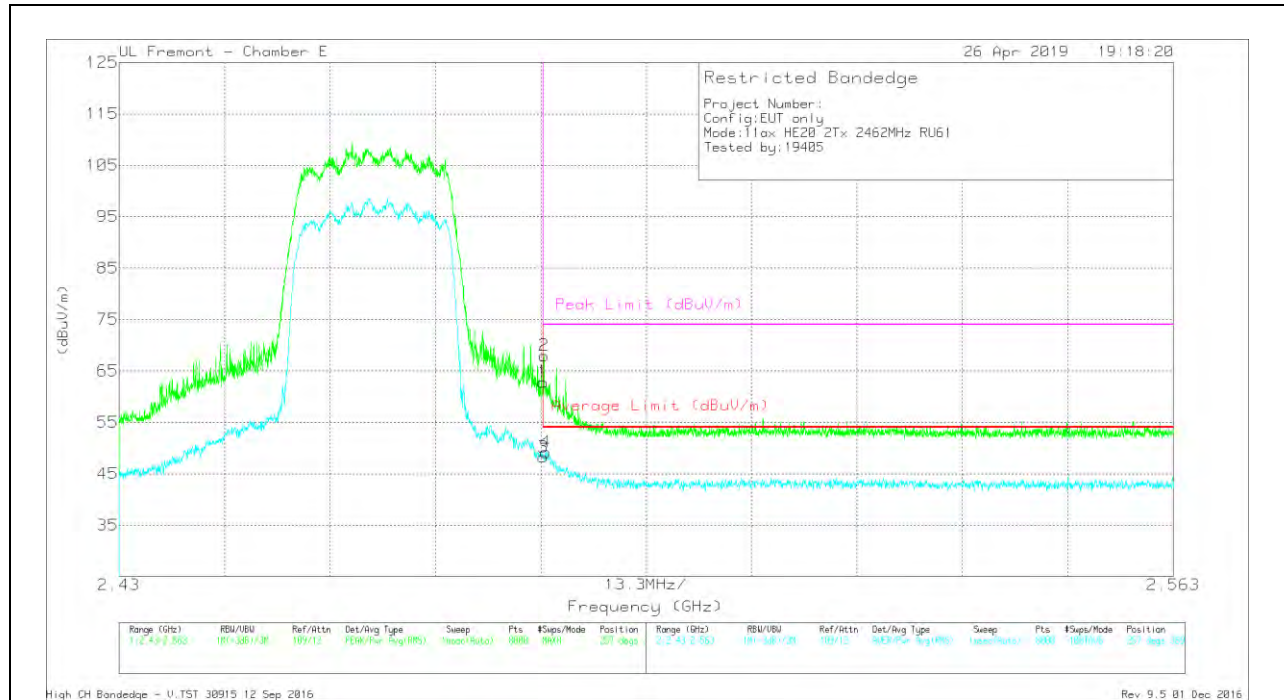
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Ftr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 48.05                | Pk  | 32.8           | -18.1                 | 62.75                      | -                      | -           | 74                  | -11.25         | 314            | 103         | H        |
| 2      | * 2.484         | 51.33                | Pk  | 32.8           | -18.1                 | 66.03                      | -                      | -           | 74                  | -7.97          | 314            | 103         | H        |
| 3      | * 2.484         | 34.59                | RMS | 32.8           | -18.1                 | 49.29                      | 54                     | -4.71       | -                   | -              | 314            | 103         | H        |
| 4      | * 2.484         | 36.05                | RMS | 32.8           | -18.1                 | 50.75                      | 54                     | -3.25       | -                   | -              | 314            | 103         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Fitr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 48.12                | Pk  | 32.8           | -18.1                  | 62.82                      | -                      | -           | 74                  | -11.18         | 257            | 369         | V        |
| 2      | * 2.484         | 53.28                | Pk  | 32.8           | -18.1                  | 67.98                      | -                      | -           | 74                  | -6.02          | 257            | 369         | V        |
| 3      | * 2.484         | 33.56                | RMS | 32.8           | -18.1                  | 48.26                      | 54                     | -5.74       | -                   | -              | 257            | 369         | V        |
| 4      | * 2.484         | 34.48                | RMS | 32.8           | -18.1                  | 49.18                      | 54                     | -4.82       | -                   | -              | 257            | 369         | V        |

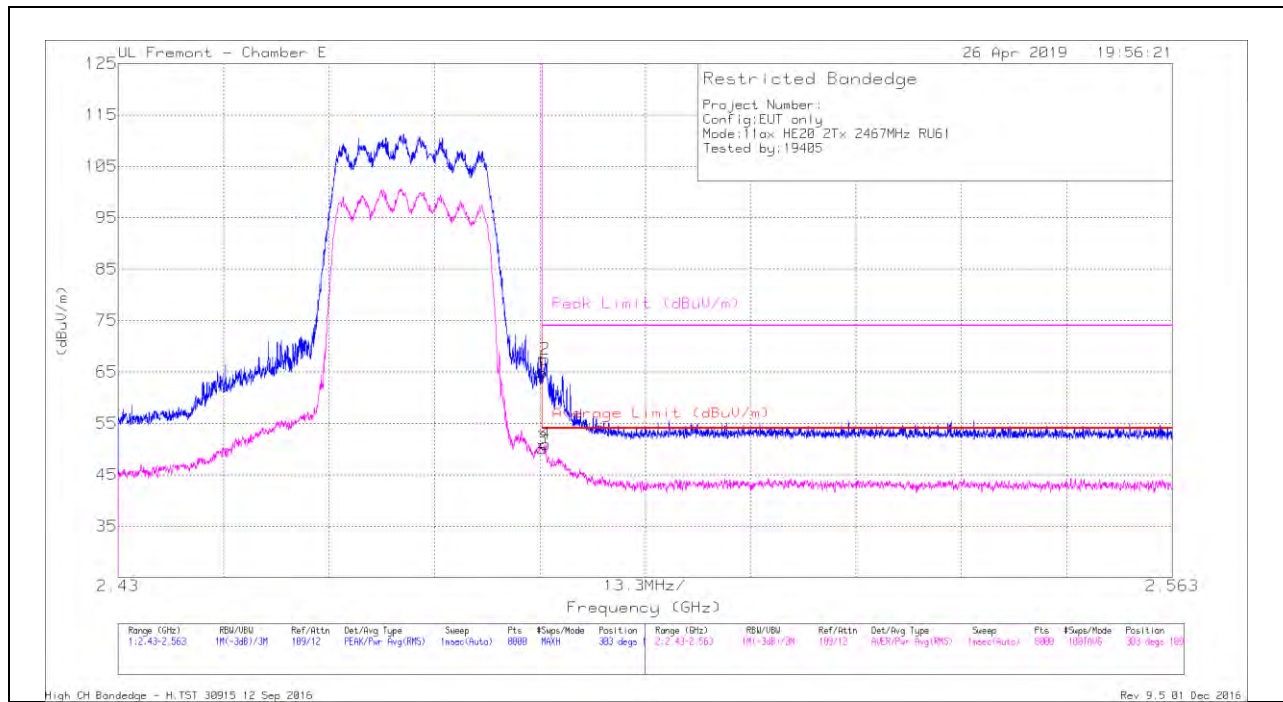
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## BANEDGE (HIGH CHANNEL, CH 12)

### HORIZONTAL RESULT



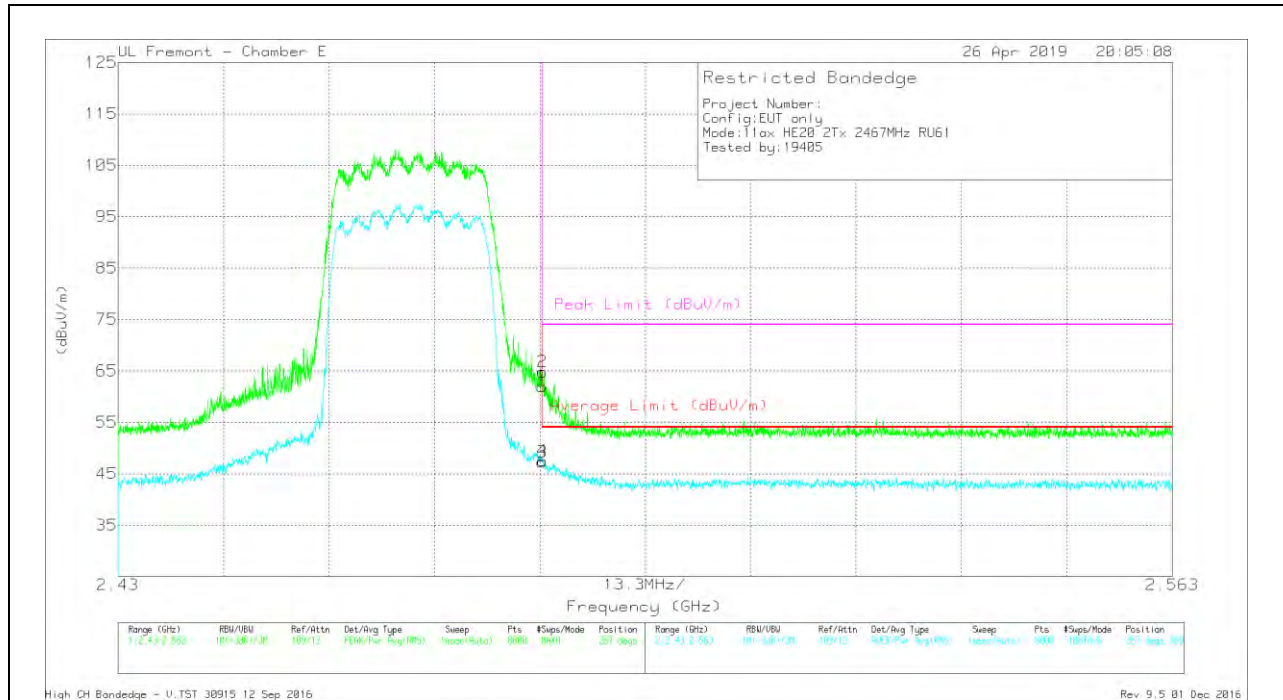
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Ftr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 50.18                | Pk  | 32.8           | -18.1                 | 64.88                      | -                      | -           | 74                  | -9.12          | 303            | 109         | H        |
| 2      | * 2.484         | 52.76                | Pk  | 32.8           | -18.1                 | 67.46                      | -                      | -           | 74                  | -6.54          | 303            | 109         | H        |
| 3      | * 2.484         | 35.43                | RMS | 32.8           | -18.1                 | 50.13                      | 54                     | -3.87       | -                   | -              | 303            | 109         | H        |
| 4      | * 2.484         | 36.29                | RMS | 32.8           | -18.1                 | 50.99                      | 54                     | -3.01       | -                   | -              | 303            | 109         | 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 | AFT119 (dB/m) | Amp/Cbl/Filtr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 47.26                | Pk  | 32.8          | -18.1                   | 61.96                      | -                      | -           | 74                  | -12.04         | 267            | 369         | V        |
| 2      | * 2.484         | 50.12                | Pk  | 32.8          | -18.1                   | 64.82                      | -                      | -           | 74                  | -9.18          | 267            | 369         | V        |
| 3      | * 2.484         | 32.55                | RMS | 32.8          | -18.1                   | 47.25                      | 54                     | -6.75       | -                   | -              | 267            | 369         | V        |
| 4      | * 2.484         | 32.82                | RMS | 32.8          | -18.1                   | 47.52                      | 54                     | -6.48       | -                   | -              | 267            | 369         | V        |

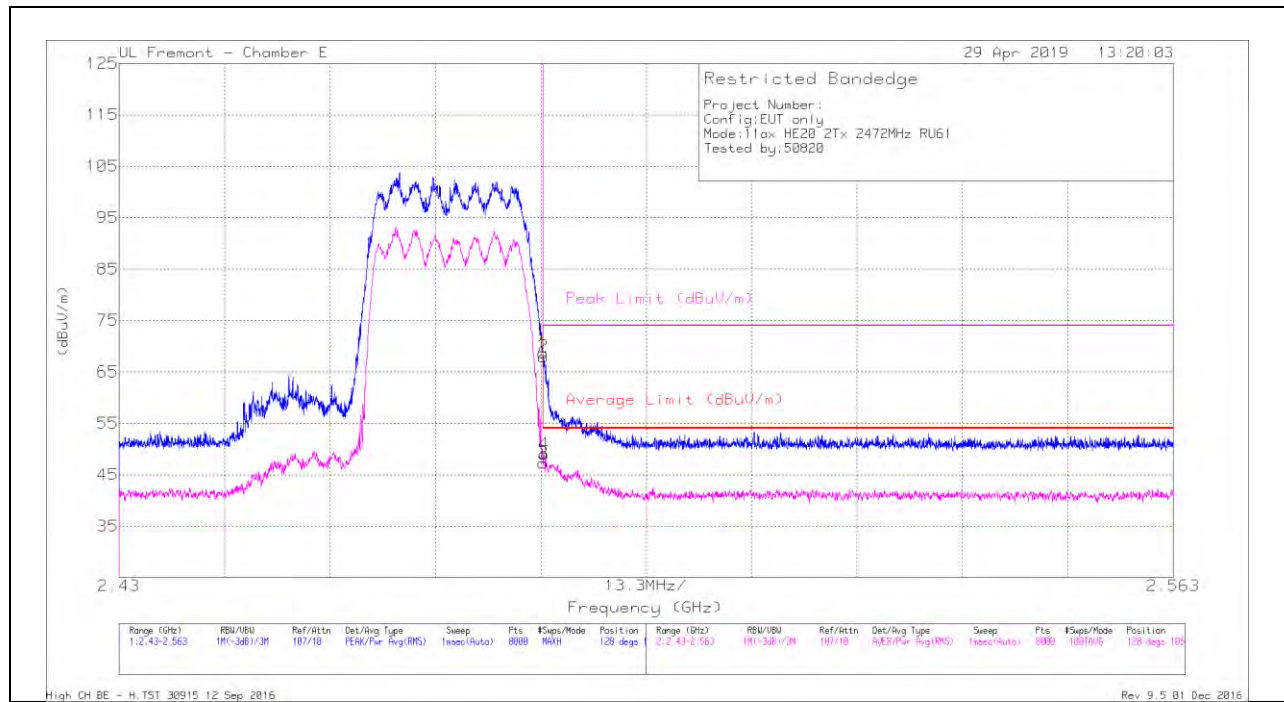
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## BANEDGE (HIGH CHANNEL, CH 13)

### HORIZONTAL RESULT



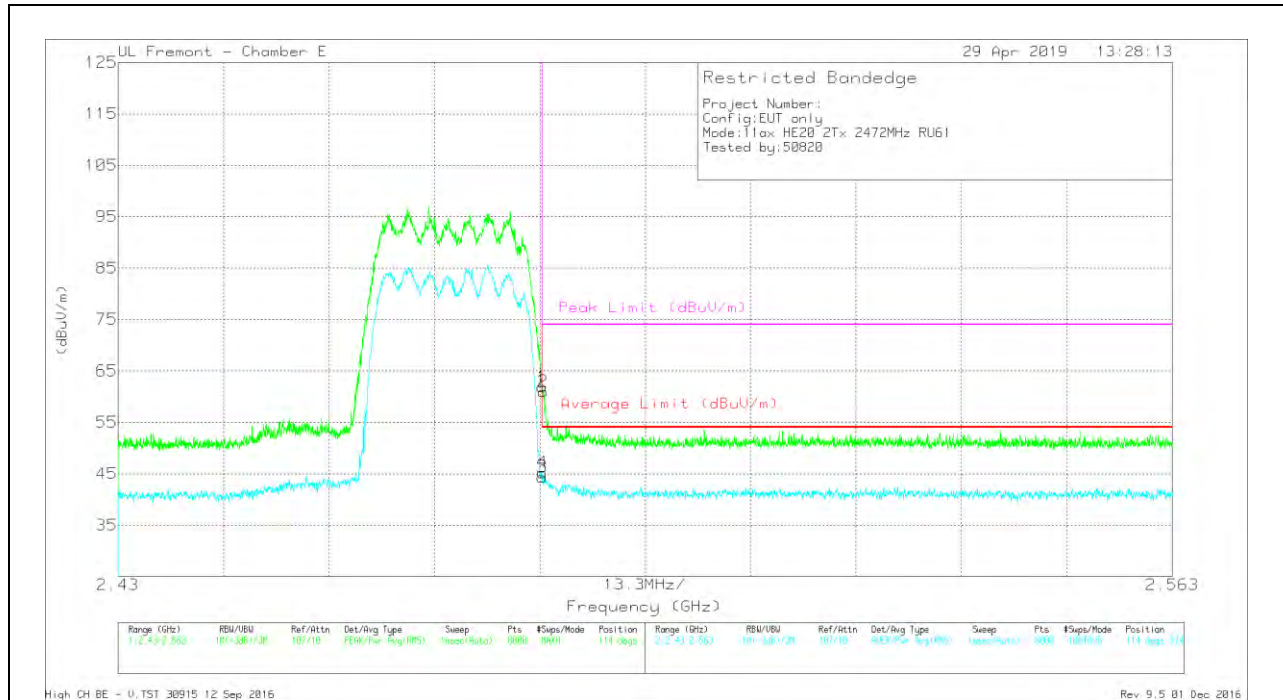
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Ftr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 62.19                | Pk  | 32.8           | -26.3                 | 68.69                      | -                      | -           | 74                  | -5.31          | 128            | 105         | H        |
| 2      | * 2.484         | 61.46                | Pk  | 32.8           | -26.3                 | 67.96                      | -                      | -           | 74                  | -6.04          | 128            | 105         | H        |
| 3      | * 2.484         | 40.77                | RMS | 32.8           | -26.3                 | 47.27                      | 54                     | -6.73       | -                   | -              | 128            | 105         | H        |
| 4      | * 2.484         | 42.52                | RMS | 32.8           | -26.3                 | 49.02                      | 54                     | -4.98       | -                   | -              | 128            | 105         | 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 T119 (dB/m) | Amp/Cbl/Filt/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 55.41                | Pk  | 32.8           | -26.3                 | 61.91                      | -                      | -           | 74                  | -12.09         | 114            | 374         | V        |
| 2      | * 2.484         | 54.47                | Pk  | 32.8           | -26.3                 | 60.97                      | -                      | -           | 74                  | -13.03         | 114            | 374         | V        |
| 3      | * 2.484         | 37.88                | RMS | 32.8           | -26.3                 | 44.38                      | 54                     | -9.62       | -                   | -              | 114            | 374         | V        |
| 4      | * 2.484         | 38.76                | RMS | 32.8           | -26.3                 | 45.26                      | 54                     | -8.74       | -                   | -              | 114            | 374         | V        |

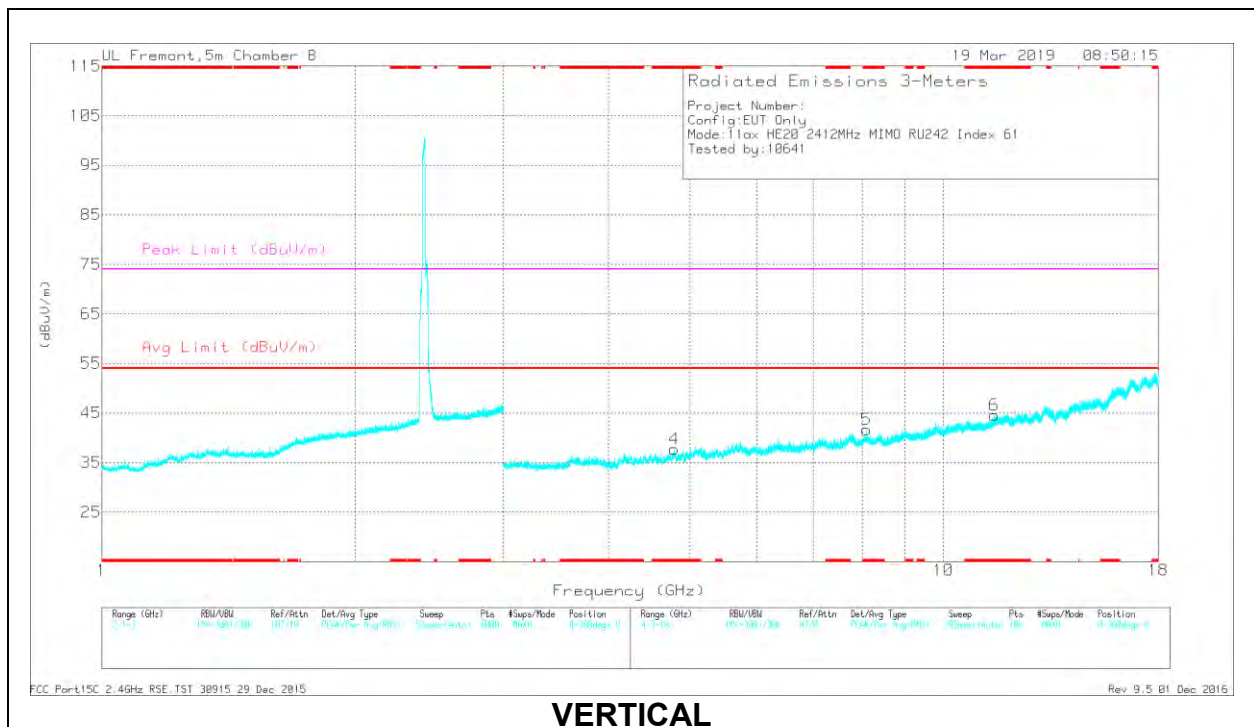
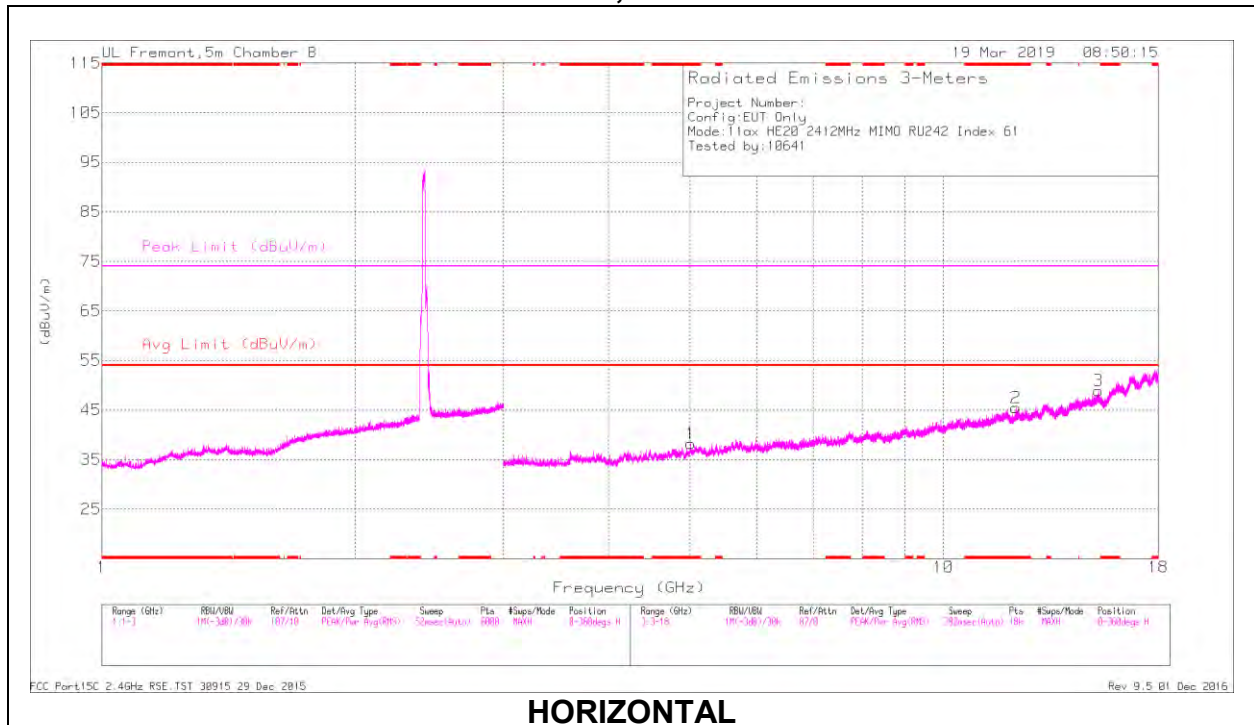
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL, CH 1 RESULTS



## RADIATED EMISSIONS

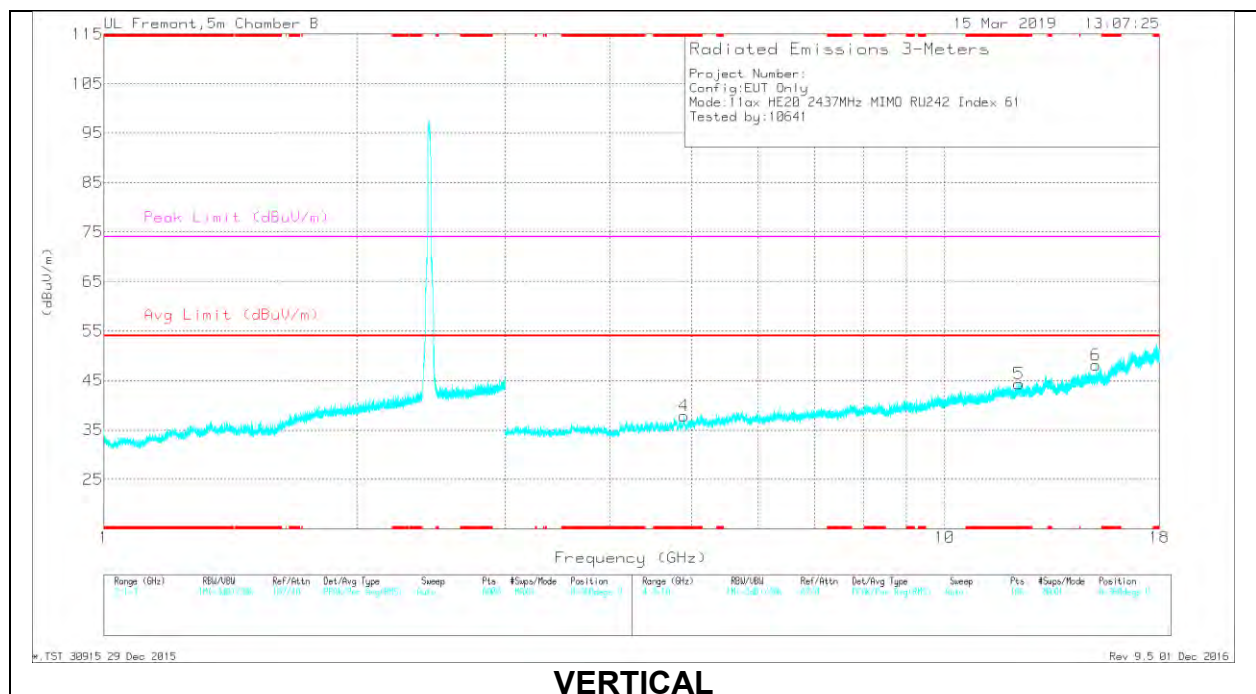
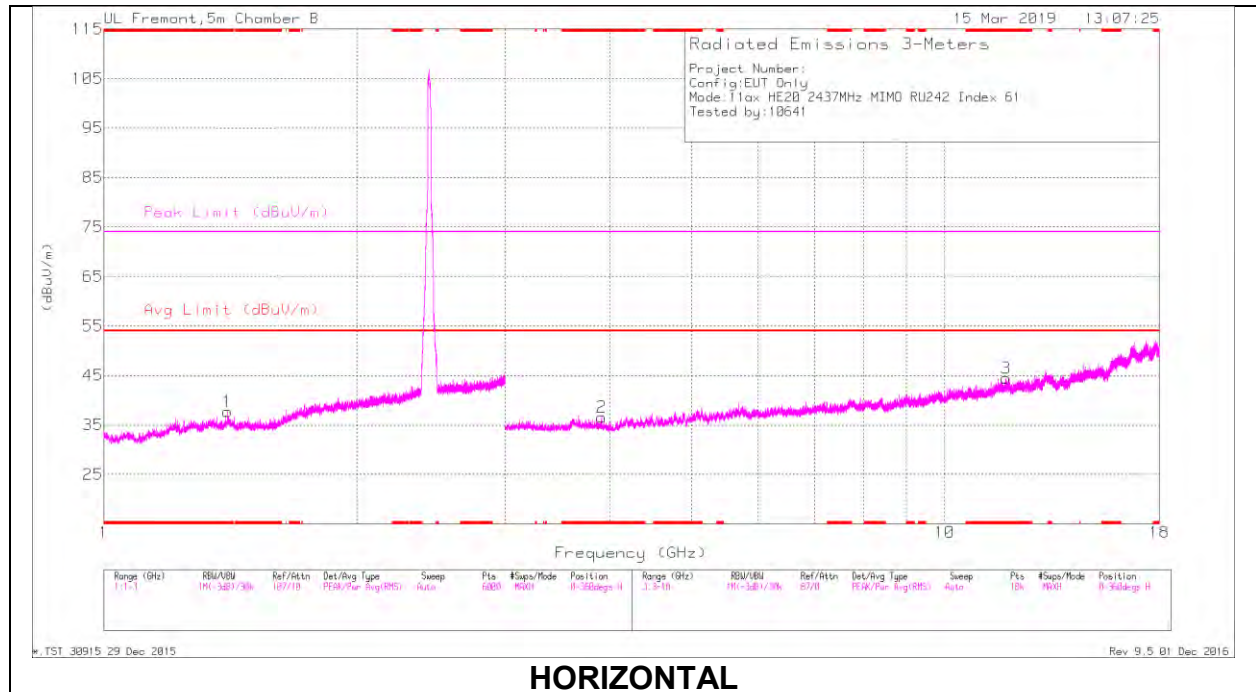
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T863 (dB/m) | Amp/Cbl/Filtr/P ad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.007         | 38.56                | PK2  | 34.6           | -28.1                   | 45.06                      | -                  | -           | 74                  | -28.94         | 169            | 280         | H        |
|        | * 5.007         | 26.13                | MAv1 | 34.6           | -28.1                   | 32.63                      | 54                 | -21.37      | -                   | -              | 169            | 280         | H        |
| 2      | * 12.191        | 33.07                | PK2  | 39.2           | -20.4                   | 51.87                      | -                  | -           | 74                  | -22.13         | 183            | 309         | H        |
|        | * 12.191        | 21.66                | MAv1 | 39.2           | -20.5                   | 40.36                      | 54                 | -13.64      | -                   | -              | 183            | 309         | H        |
| 4      | * 4.787         | 37.21                | PK2  | 34             | -27                     | 44.21                      | -                  | -           | 74                  | -29.79         | 331            | 260         | V        |
|        | * 4.787         | 26.46                | MAv1 | 34             | -27                     | 33.46                      | 54                 | -20.54      | -                   | -              | 331            | 260         | V        |
| 5      | * 8.104         | 35.6                 | PK2  | 36.5           | -24.3                   | 47.8                       | -                  | -           | 74                  | -26.2          | 322            | 280         | V        |
|        | * 8.104         | 24.11                | MAv1 | 36.5           | -24.3                   | 36.31                      | 54                 | -17.69      | -                   | -              | 322            | 280         | V        |
| 6      | * 11.499        | 32.84                | PK2  | 38.4           | -20.8                   | 50.44                      | -                  | -           | 74                  | -23.56         | 312            | 299         | V        |
|        | * 11.496        | 22.16                | MAv1 | 38.4           | -20.8                   | 39.76                      | 54                 | -14.24      | -                   | -              | 312            | 299         | V        |
| 3      | 15.297          | 32.07                | PK2  | 41.1           | -18.5                   | 54.67                      | -                  | -           | -                   | -              | 163            | 285         | H        |

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

## MID CHANNEL, CH 6 RESULTS



## RADIATED EMISSIONS

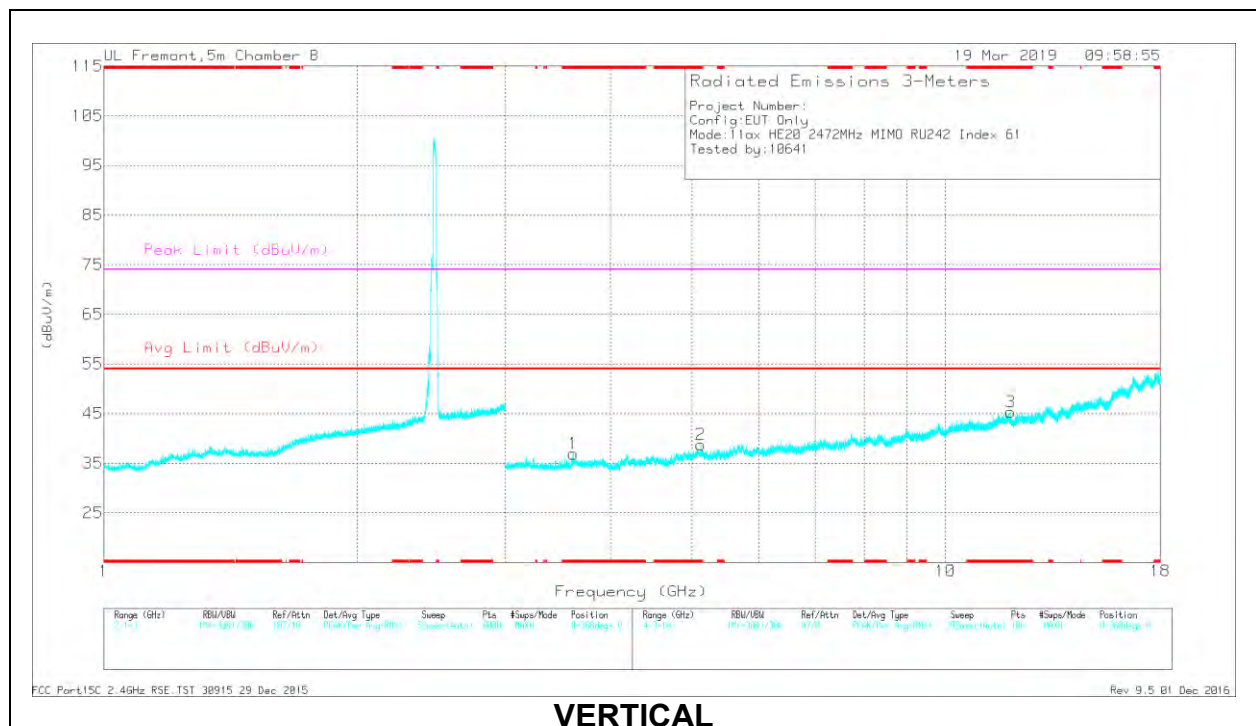
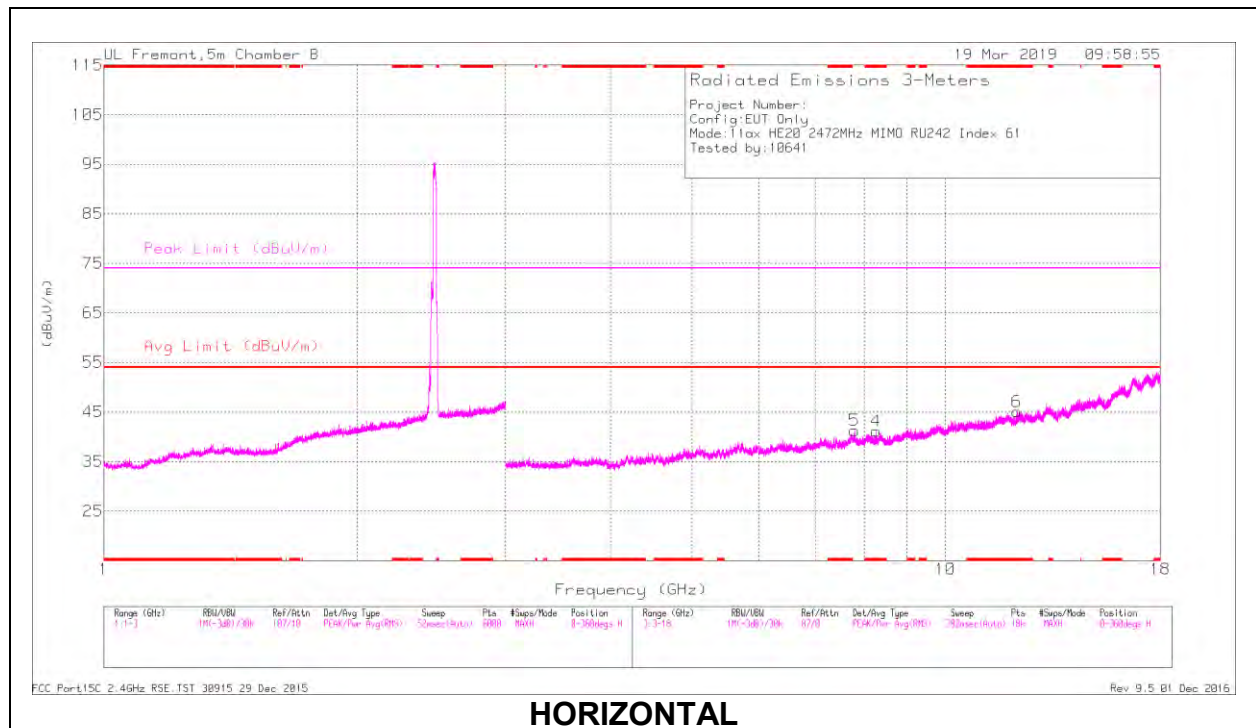
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T863 (dB/m) | Amp/Cbl/Filtr/P ad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.403         | 36.97                | PK2  | 28.5           | -20                     | 45.47                      | -                  | -           | 74                  | -28.53         | 328            | 196         | H        |
|        | * 1.405         | 20.3                 | MAv1 | 28.5           | -20                     | 28.8                       | 54                 | -25.2       | -                   | -              | 328            | 196         | H        |
| 2      | * 3.905         | 39.5                 | PK2  | 33.4           | -28.9                   | 44                         | -                  | -           | 74                  | -30            | 299            | 239         | H        |
|        | * 3.905         | 27.25                | MAv1 | 33.4           | -28.9                   | 31.75                      | 54                 | -22.25      | -                   | -              | 299            | 239         | H        |
| 3      | * 11.826        | 33.25                | PK2  | 39.1           | -20.6                   | 51.75                      | -                  | -           | 74                  | -22.25         | 251            | 274         | H        |
|        | * 11.826        | 19.92                | MAv1 | 39.1           | -20.6                   | 38.42                      | 54                 | -15.58      | -                   | -              | 251            | 274         | H        |
| 4      | * 4.897         | 39.23                | PK2  | 34.4           | -28.8                   | 44.83                      | -                  | -           | 74                  | -29.17         | 237            | 317         | V        |
|        | * 4.898         | 27.43                | MAv1 | 34.4           | -28.9                   | 32.93                      | 54                 | -21.07      | -                   | -              | 237            | 317         | V        |
| 5      | * 12.254        | 32.74                | PK2  | 39.2           | -20.2                   | 51.74                      | -                  | -           | 74                  | -22.26         | 221            | 281         | V        |
|        | * 12.255        | 19.85                | MAv1 | 39.2           | -20.2                   | 38.85                      | 54                 | -15.15      | -                   | -              | 221            | 281         | V        |
| 6      | 15.13           | 18.71                | MAv1 | 40.6           | -18.7                   | 40.61                      | 54                 | -13.39      | -                   | -              | 232            | 322         | V        |
|        | 15.132          | 32.43                | PK2  | 40.6           | -18.7                   | 54.33                      | -                  | -           | 74                  | -19.67         | 232            | 322         | V        |

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

## HIGH CHANNEL, CH 13 RESULTS



## RADIATED EMISSIONS

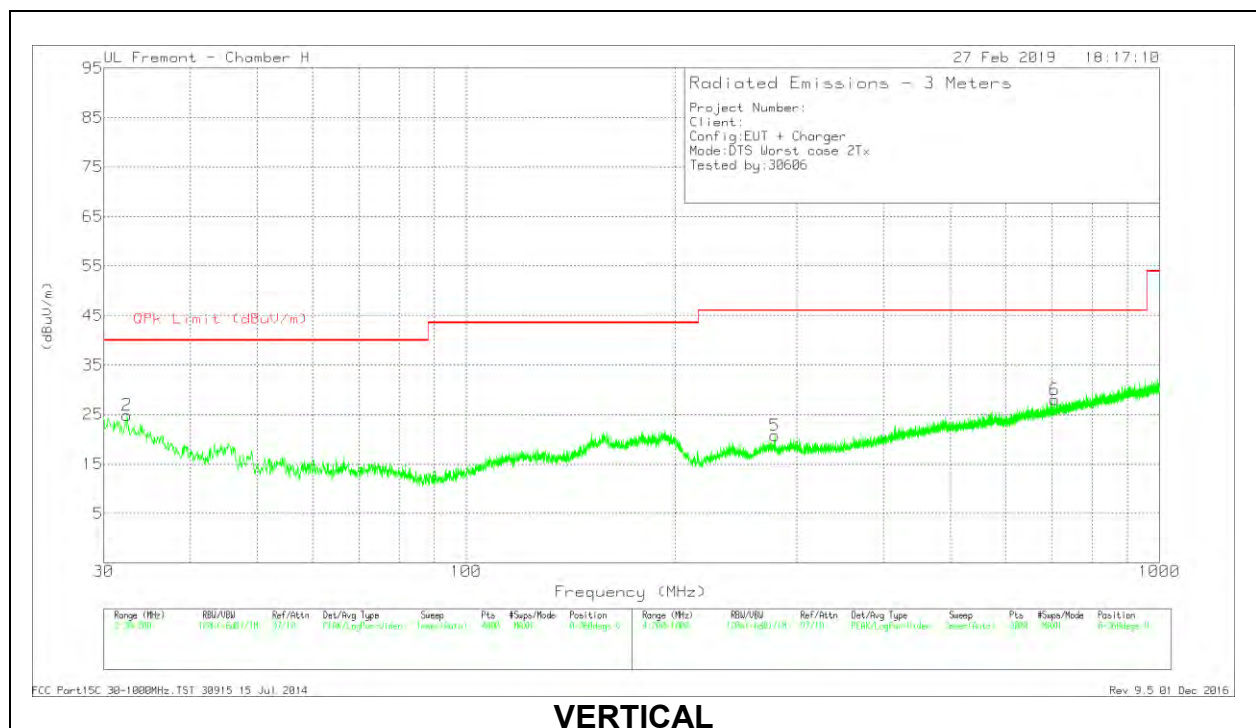
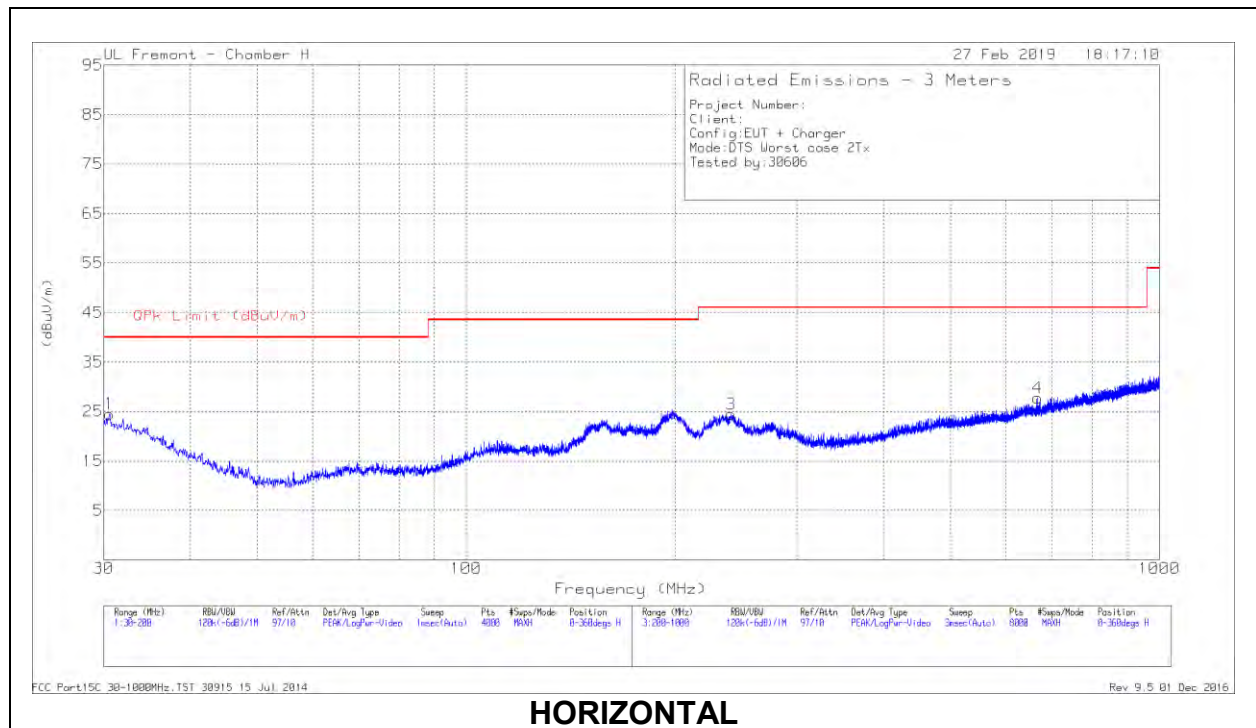
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T863 (dB/m) | Amp/Cbl/Filtr/P ad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 4      | * 8.272         | 36.08                | PK2  | 36.4           | -25                     | 47.48                      | -                  | -           | 74                  | -26.52         | 332            | 148         | H        |
|        | * 8.269         | 24.42                | MAv1 | 36.4           | -25                     | 35.82                      | 54                 | -18.18      | -                   | -              | 332            | 148         | H        |
| 6      | * 12.15         | 32.73                | PK2  | 39.1           | -20.7                   | 51.13                      | -                  | -           | 74                  | -22.87         | 289            | 198         | H        |
|        | * 12.151        | 21.72                | MAv1 | 39.1           | -20.7                   | 40.12                      | 54                 | -13.88      | -                   | -              | 289            | 198         | H        |
| 1      | * 3.609         | 39.1                 | PK2  | 33.3           | -29                     | 43.4                       | -                  | -           | 74                  | -30.6          | 219            | 218         | V        |
|        | * 3.61          | 27.85                | MAv1 | 33.3           | -29.1                   | 32.05                      | 54                 | -21.95      | -                   | -              | 219            | 218         | V        |
| 2      | * 5.121         | 37.82                | PK2  | 34.6           | -27                     | 45.42                      | -                  | -           | 74                  | -28.58         | 254            | 166         | V        |
|        | * 5.123         | 26.36                | MAv1 | 34.6           | -27                     | 33.96                      | 54                 | -20.04      | -                   | -              | 254            | 166         | V        |
| 3      | * 11.952        | 33.54                | PK2  | 38.8           | -20.4                   | 51.94                      | -                  | -           | 74                  | -22.06         | 305            | 157         | V        |
|        | * 11.95         | 21.88                | MAv1 | 38.8           | -20.4                   | 40.28                      | 54                 | -13.72      | -                   | -              | 305            | 157         | V        |
| 5      | 7.795           | 34.74                | PK2  | 36.4           | -24.1                   | 47.04                      | -                  | -           | -                   | -              | 295            | 175         | H        |

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

## 9.2. WORST CASE BELOW 1 GHz



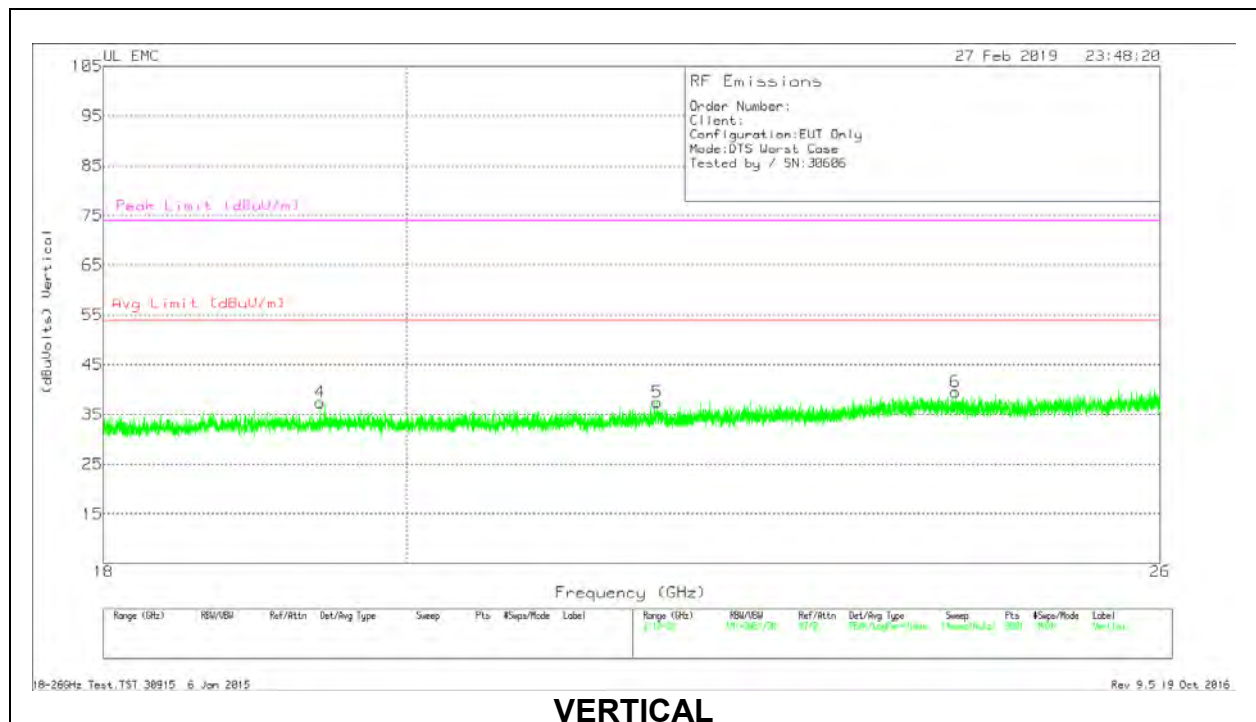
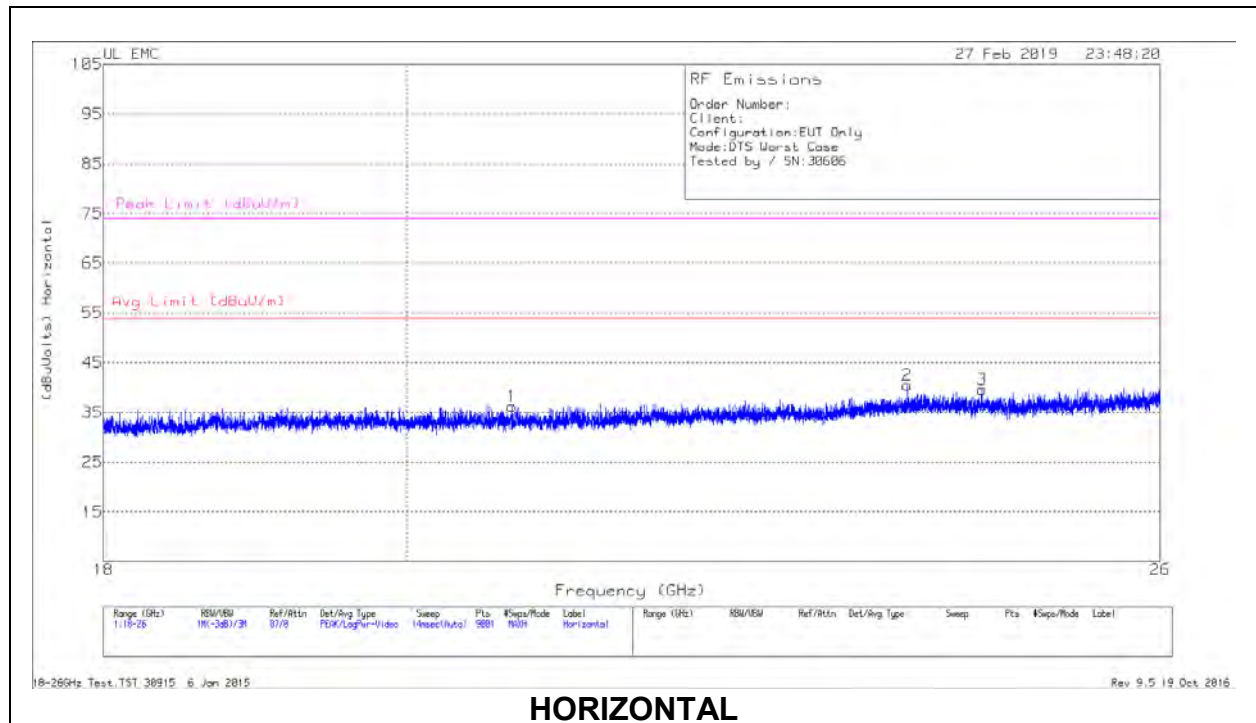
**Below 1GHz DATA**

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF T122 (dB/m) | Amp/Cbl (dB) | Corrected Reading (dBuV/m) | QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|--------------|----------------------------|--------------------|-------------|----------------|-------------|----------|
| 3      | * 241.0053      | 36.32                | Pk  | 17.5           | -29.4        | 24.42                      | 46.02              | -21.6       | 0-360          | 101         | H        |
| 5      | * 279.0103      | 30.78                | Pk  | 19.2           | -29.2        | 20.78                      | 46.02              | -25.24      | 0-360          | 199         | V        |
| 1      | 30.5526         | 29.22                | Pk  | 26.6           | -31.3        | 24.52                      | 40                 | -15.48      | 0-360          | 399         | H        |
| 2      | 32.4231         | 30.8                 | Pk  | 25.4           | -31.3        | 24.9                       | 40                 | -15.1       | 0-360          | 100         | V        |
| 4      | 667.6608        | 30.1                 | Pk  | 25.6           | -27.9        | 27.8                       | 46.02              | -18.22      | 0-360          | 399         | H        |
| 6      | 706.5658        | 29.6                 | Pk  | 26.1           | -27.7        | 28                         | 46.02              | -18.02      | 0-360          | 299         | V        |

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

Pk - Peak detector

### 9.3. WORST CASE 18-26 GHz



**18 – 26GHz DATA**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | T447 AF (dB/m) | Amp/Cbl (dB) | Dist Corr (dB) | Corrected Reading (dBuVolts) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) |
|--------|-----------------|----------------------|-----|----------------|--------------|----------------|------------------------------|--------------------|-------------|---------------------|----------------|
| 1      | 20.75           | 38.02                | Pk  | 33             | -25.3        | -9.5           | 36.22                        | 54                 | -17.78      | 74                  | -37.78         |
| 2      | 23.808          | 39.8                 | Pk  | 34.2           | -24          | -9.5           | 40.5                         | 54                 | -13.5       | 74                  | -33.5          |
| 3      | 24.437          | 39.09                | Pk  | 34.3           | -24.3        | -9.5           | 39.59                        | 54                 | -14.41      | 74                  | -34.41         |
| 4      | 19.411          | 39.1                 | Pk  | 32.8           | -25          | -9.5           | 37.4                         | 54                 | -16.6       | 74                  | -36.6          |
| 5      | 21.824          | 38.36                | Pk  | 33.2           | -24.6        | -9.5           | 37.46                        | 54                 | -16.54      | 74                  | -36.54         |
| 6      | 24.211          | 38.92                | Pk  | 34.2           | -24.1        | -9.5           | 39.52                        | 54                 | -14.48      | 74                  | -34.48         |

Pk - Peak detector

## 10. AC POWER LINE CONDUCTED EMISSIONS

### LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

| Frequency of Emission (MHz) | Conducted Limit (dBuV) |          |
|-----------------------------|------------------------|----------|
|                             | Quasi-peak             | Average  |
| 0.15-0.5                    | 66 to 56               | 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.

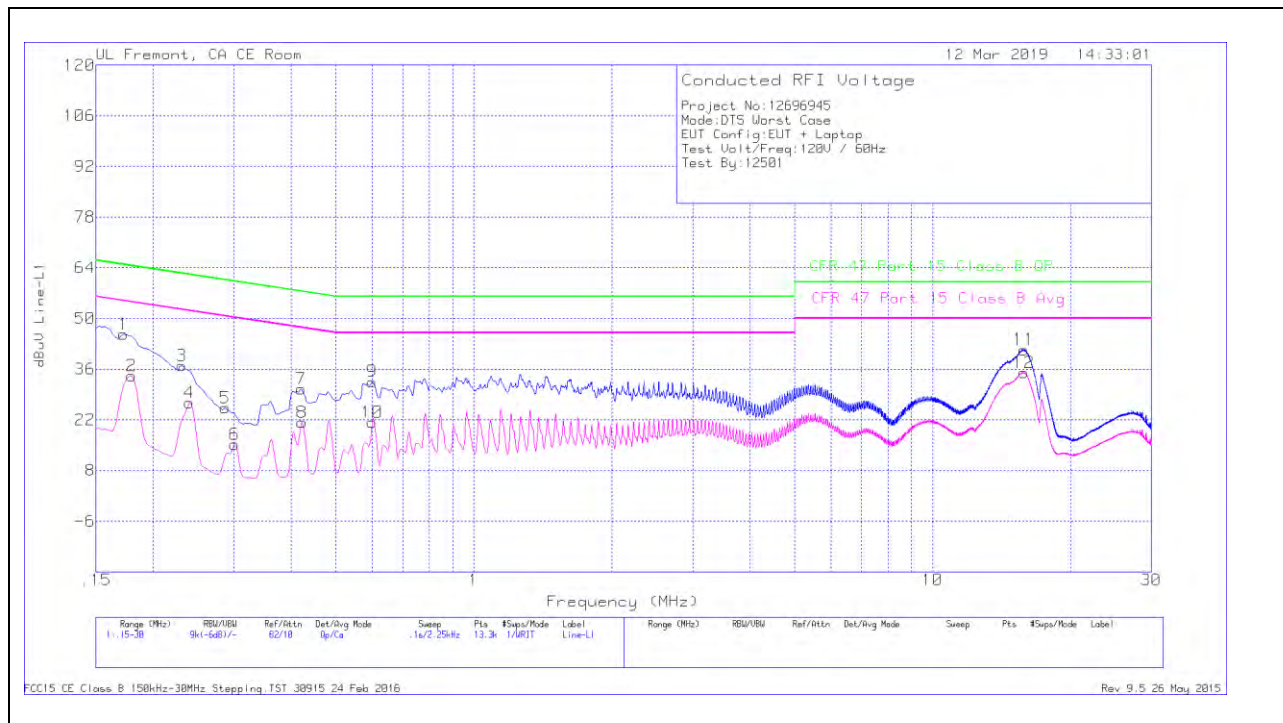
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

### RESULTS

## 10.1.1. AC Power Line Host

### LINE 1 RESULTS



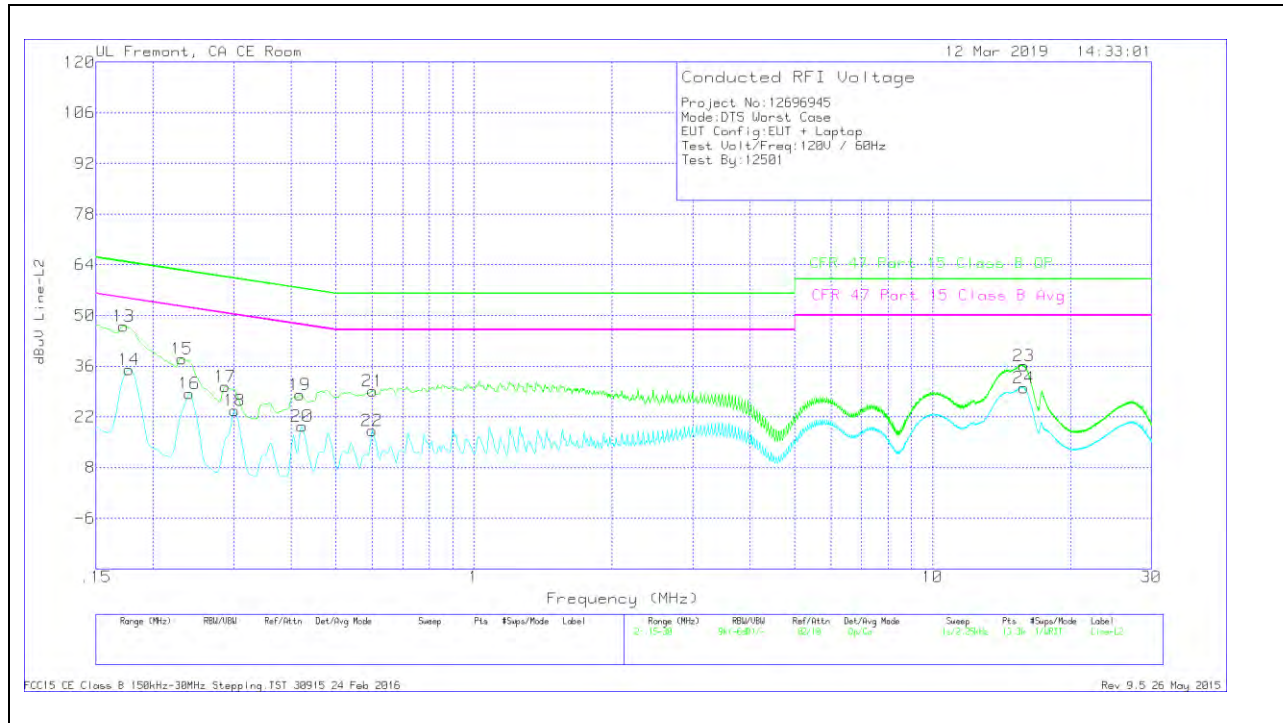
Range 1: Line-L1 15 - 30MHz

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | LISN L1 | LC Cables C1&C3 | Limiter (dB) | Corrected Reading dBuV | CFR 47 Part 15 Class B QP | QP Margin (dB) | CFR 47 Part 15 Class B Avg | Av(CISPR)Margin (dB) |
|--------|-----------------|----------------------|-----|---------|-----------------|--------------|------------------------|---------------------------|----------------|----------------------------|----------------------|
| 1      | .1725           | 35.6                 | Qp  | 0       | 0               | 10.1         | 45.7                   | 64.84                     | -19.14         | -                          | -                    |
| 2      | .17925          | 24.02                | Ca  | 0       | 0               | 10.1         | 34.12                  | -                         | -              | 54.52                      | -20.4                |
| 3      | .231            | 26.91                | Qp  | 0       | 0               | 10.1         | 37.01                  | 62.41                     | -25.4          | -                          | -                    |
| 4      | .24             | 16.63                | Ca  | 0       | 0               | 10.1         | 26.73                  | -                         | -              | 52.1                       | -25.37               |
| 5      | .28725          | 15.15                | Qp  | 0       | 0               | 10.1         | 25.25                  | 60.6                      | -35.35         | -                          | -                    |
| 6      | .30075          | 5.09                 | Ca  | 0       | 0               | 10.1         | 15.19                  | -                         | -              | 50.22                      | -35.03               |
| 7      | .42             | 20.41                | Qp  | 0       | 0               | 10.1         | 30.51                  | 57.45                     | -26.94         | -                          | -                    |
| 8      | .42225          | 11.29                | Ca  | 0       | 0               | 10.1         | 21.39                  | -                         | -              | 47.4                       | -26.01               |
| 9      | .6              | 22.43                | Qp  | 0       | 0               | 10.1         | 32.53                  | 56                        | -23.47         | -                          | -                    |
| 10     | .6              | 11.19                | Ca  | 0       | 0               | 10.1         | 21.29                  | -                         | -              | 46                         | -24.71               |
| 11     | 15.8122         | 30.69                | Qp  | .1      | .3              | 10.3         | 41.39                  | 60                        | -18.61         | -                          | -                    |
| 12     | 15.81           | 24.42                | Ca  | .1      | .3              | 10.3         | 35.12                  | -                         | -              | 50                         | -14.88               |

Qp - Quasi-Peak detector

Ca - CISPR average detection

## LINE 2 RESULTS



### Range 2: Line-L2 .15 - 30MHz

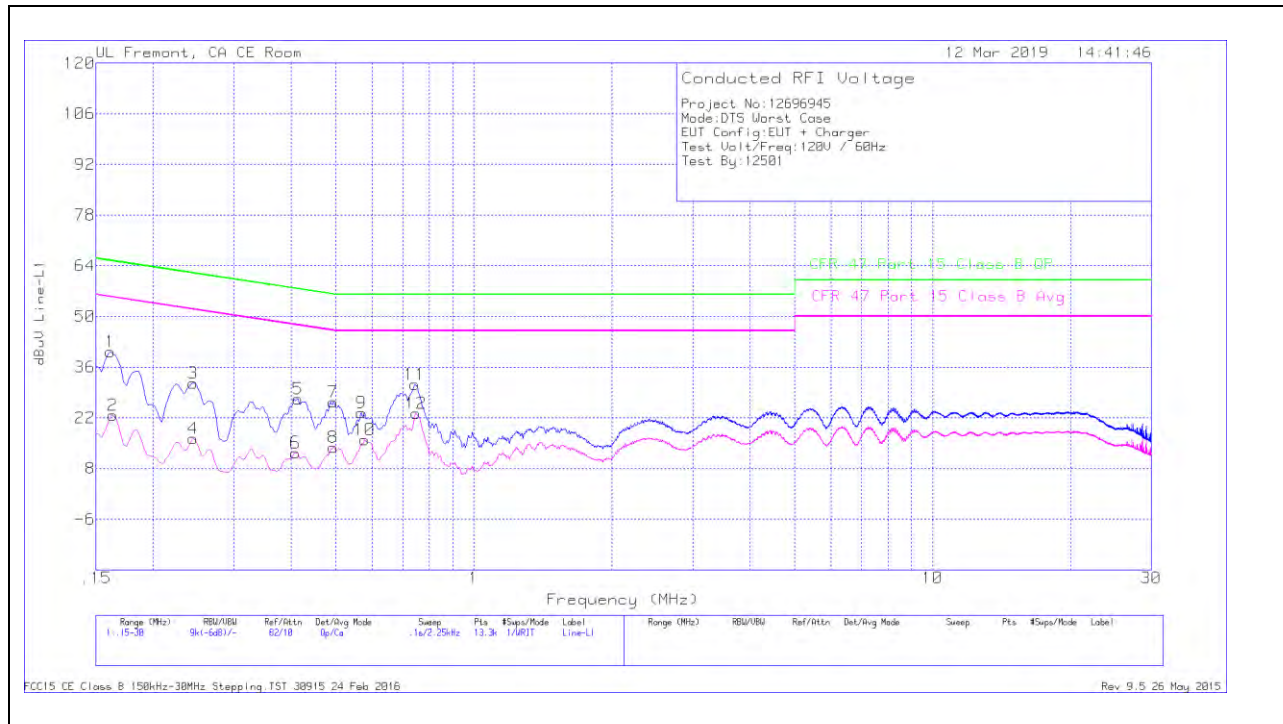
| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | LISN L2 | LC Cables C2&C3 | Limiter (dB) | Corrected Reading dBuV | CFR 47 Part 15 Class B QP | QP Margin (dB) | CFR 47 Part 15 Class B Avg | Av(CISPR)Margin (dB) |
|--------|-----------------|----------------------|-----|---------|-----------------|--------------|------------------------|---------------------------|----------------|----------------------------|----------------------|
| 13     | .1725           | 36.93                | Qp  | 0       | 0               | 10.1         | 47.03                  | 64.84                     | -17.81         | -                          | -                    |
| 14     | .177            | 24.96                | Ca  | 0       | 0               | 10.1         | 35.06                  | -                         | -              | 54.63                      | -19.57               |
| 15     | .231            | 27.98                | Qp  | 0       | 0               | 10.1         | 38.08                  | 62.41                     | -24.33         | -                          | -                    |
| 16     | .24             | 18.37                | Ca  | 0       | 0               | 10.1         | 28.47                  | -                         | -              | 52.1                       | -23.63               |
| 17     | .28725          | 20.22                | Qp  | 0       | 0               | 10.1         | 30.32                  | 60.6                      | -30.28         | -                          | -                    |
| 18     | .30075          | 13.67                | Ca  | 0       | 0               | 10.1         | 23.77                  | -                         | -              | 50.22                      | -26.45               |
| 19     | .41775          | 18                   | Qp  | 0       | 0               | 10.1         | 28.1                   | 57.49                     | -29.39         | -                          | -                    |
| 20     | .42225          | 9.34                 | Ca  | 0       | 0               | 10.1         | 19.44                  | -                         | -              | 47.4                       | -27.96               |
| 21     | .60225          | 19.11                | Qp  | 0       | 0               | 10.1         | 29.21                  | 56                        | -26.79         | -                          | -                    |
| 22     | .6              | 8.1                  | Ca  | 0       | 0               | 10.1         | 18.2                   | -                         | -              | 46                         | -27.8                |
| 23     | 15.8032         | 25.45                | Qp  | .1      | .3              | 10.3         | 36.15                  | 60                        | -23.85         | -                          | -                    |
| 24     | 15.8077         | 19.36                | Ca  | .1      | .3              | 10.3         | 30.06                  | -                         | -              | 50                         | -19.94               |

Qp - Quasi-Peak detector

Ca - CISPR average detection

## 10.1.2. AC Power Line Norm

### LINE 1 RESULTS



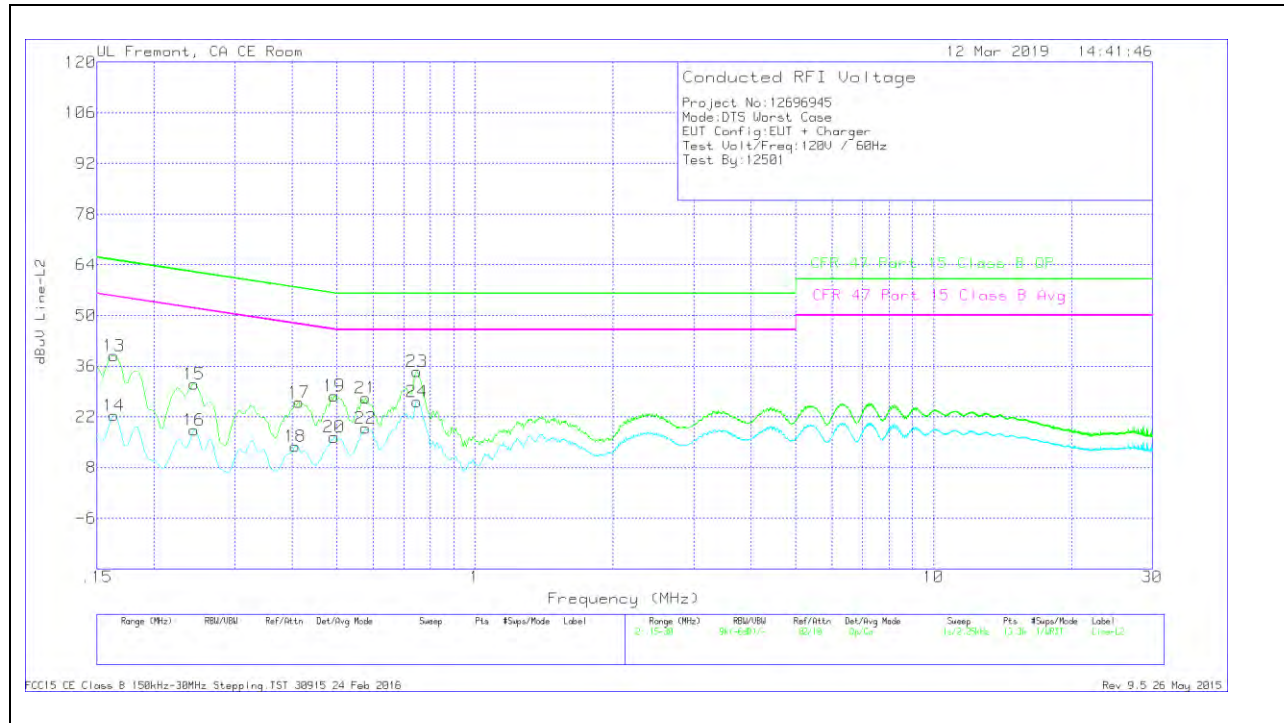
Range 1: Line-L1 .15 - 30MHz

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | LISN L1 | LC Cables C1&C3 | Limiter (dB) | Corrected Reading dBuV | CFR 47 Part 15 Class B QP | QP Margin (dB) | CFR 47 Part 15 Class B Avg | Av(CISPR)Margin (dB) |
|--------|-----------------|----------------------|-----|---------|-----------------|--------------|------------------------|---------------------------|----------------|----------------------------|----------------------|
| 1      | .16125          | 30.08                | Qp  | .1      | 0               | 10.1         | 40.28                  | 65.4                      | -25.12         | -                          | -                    |
| 2      | .1635           | 12.46                | Ca  | .1      | 0               | 10.1         | 22.66                  | -                         | -              | 55.28                      | -32.62               |
| 3      | .2445           | 21.55                | Qp  | 0       | 0               | 10.1         | 31.65                  | 61.94                     | -30.29         | -                          | -                    |
| 4      | .2445           | 6.18                 | Ca  | 0       | 0               | 10.1         | 16.28                  | -                         | -              | 51.94                      | -35.66               |
| 5      | .41325          | 17.13                | Qp  | 0       | 0               | 10.1         | 27.23                  | 57.58                     | -30.35         | -                          | -                    |
| 6      | .40875          | 2.26                 | Ca  | 0       | 0               | 10.1         | 12.36                  | -                         | -              | 47.67                      | -35.31               |
| 7      | .49425          | 16.25                | Qp  | 0       | 0               | 10.1         | 26.35                  | 56.1                      | -29.75         | -                          | -                    |
| 8      | .49425          | 3.74                 | Ca  | 0       | 0               | 10.1         | 13.84                  | -                         | -              | 46.1                       | -32.26               |
| 9      | .5685           | 13.26                | Qp  | 0       | 0               | 10.1         | 23.36                  | 56                        | -32.64         | -                          | -                    |
| 10     | .5775           | 5.77                 | Ca  | 0       | 0               | 10.1         | 15.87                  | -                         | -              | 46                         | -30.13               |
| 11     | .744            | 21.07                | Qp  | 0       | 0               | 10.1         | 31.17                  | 56                        | -24.83         | -                          | -                    |
| 12     | .7485           | 13.12                | Ca  | 0       | 0               | 10.1         | 23.22                  | -                         | -              | 46                         | -22.78               |

Qp - Quasi-Peak detector

Ca - CISPR average detection

## LINE 2 RESULTS



### Range 2: Line-L2 .15 - 30MHz

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | LISN L2 | LC Cables C2&C3 | Limiter (dB) | Corrected Reading dBuV | CFR 47 Part 15 Class B QP | QP Margin (dB) | CFR 47 Part 15 Class B Avg | Av(CISPR)Margin (dB) |
|--------|-----------------|----------------------|-----|---------|-----------------|--------------|------------------------|---------------------------|----------------|----------------------------|----------------------|
| 13     | .1635           | 28.71                | Qp  | .1      | 0               | 10.1         | 38.91                  | 65.28                     | -26.37         | -                          | -                    |
| 14     | .1635           | 12.24                | Ca  | .1      | 0               | 10.1         | 22.44                  | -                         | -              | 55.28                      | -32.84               |
| 15     | .2445           | 20.96                | Qp  | 0       | 0               | 10.1         | 31.06                  | 61.94                     | -30.88         | -                          | -                    |
| 16     | .2445           | 8.27                 | Ca  | 0       | 0               | 10.1         | 18.37                  | -                         | -              | 51.94                      | -33.57               |
| 17     | .41325          | 15.84                | Qp  | 0       | 0               | 10.1         | 25.94                  | 57.58                     | -31.64         | -                          | -                    |
| 18     | .4065           | 3.76                 | Ca  | 0       | 0               | 10.1         | 13.86                  | -                         | -              | 47.72                      | -33.86               |
| 19     | .49425          | 17.73                | Qp  | 0       | 0               | 10.1         | 27.83                  | 56.1                      | -28.27         | -                          | -                    |
| 20     | .49425          | 6.27                 | Ca  | 0       | 0               | 10.1         | 16.37                  | -                         | -              | 46.1                       | -29.73               |
| 21     | .5775           | 17.08                | Qp  | 0       | 0               | 10.1         | 27.18                  | 56                        | -28.82         | -                          | -                    |
| 22     | .5775           | 8.86                 | Ca  | 0       | 0               | 10.1         | 18.96                  | -                         | -              | 46                         | -27.04               |
| 23     | .7485           | 24.43                | Qp  | 0       | 0               | 10.1         | 34.53                  | 56                        | -21.47         | -                          | -                    |
| 24     | .7485           | 16.12                | Ca  | 0       | 0               | 10.1         | 26.22                  | -                         | -              | 46                         | -19.78               |

Qp - Quasi-Peak detector

Ca - CISPR average detection

## **11. SETUP PHOTOS**

Please refer to 12696945-EP1V1 for setup photos

**END OF TEST REPORT**