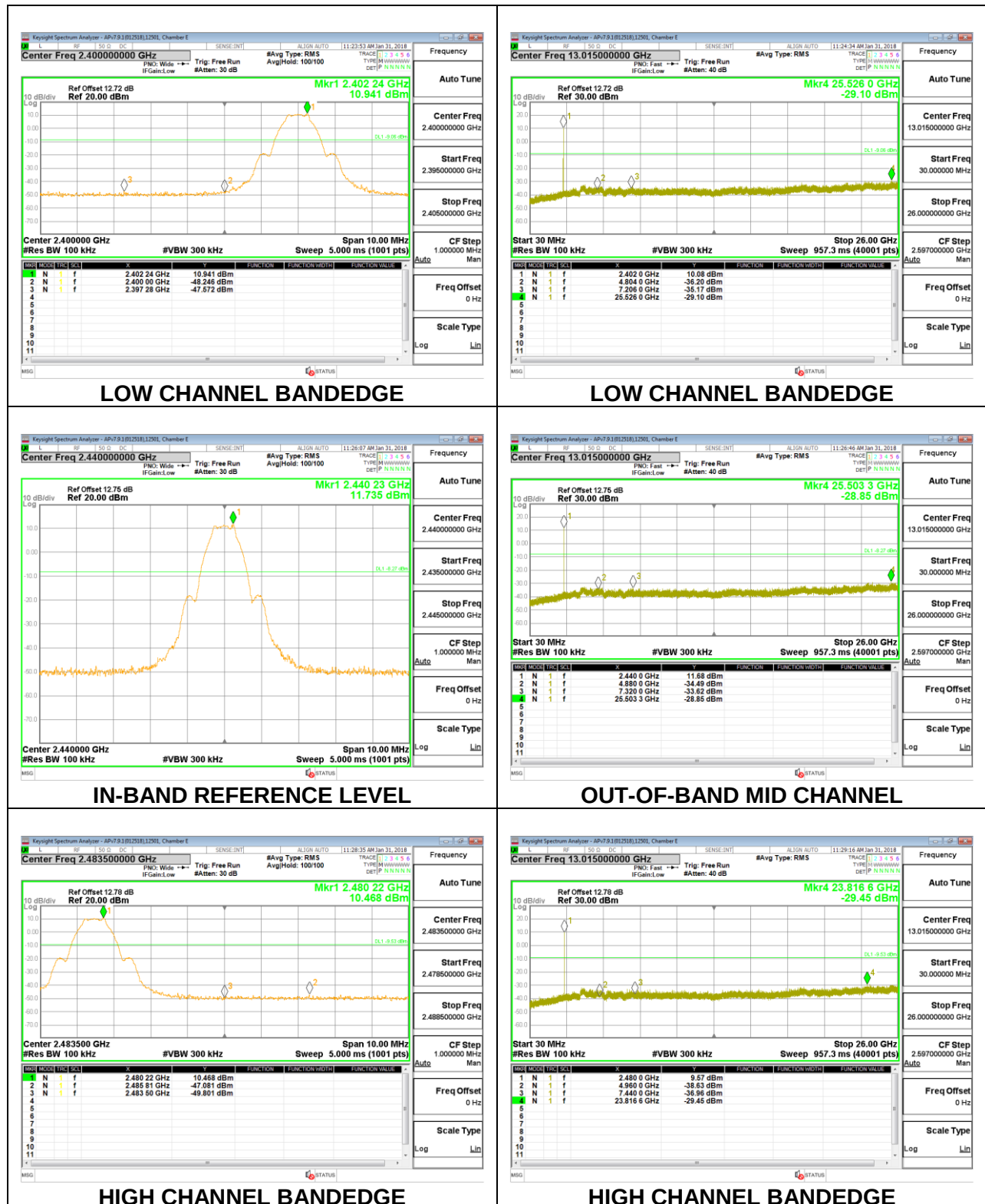
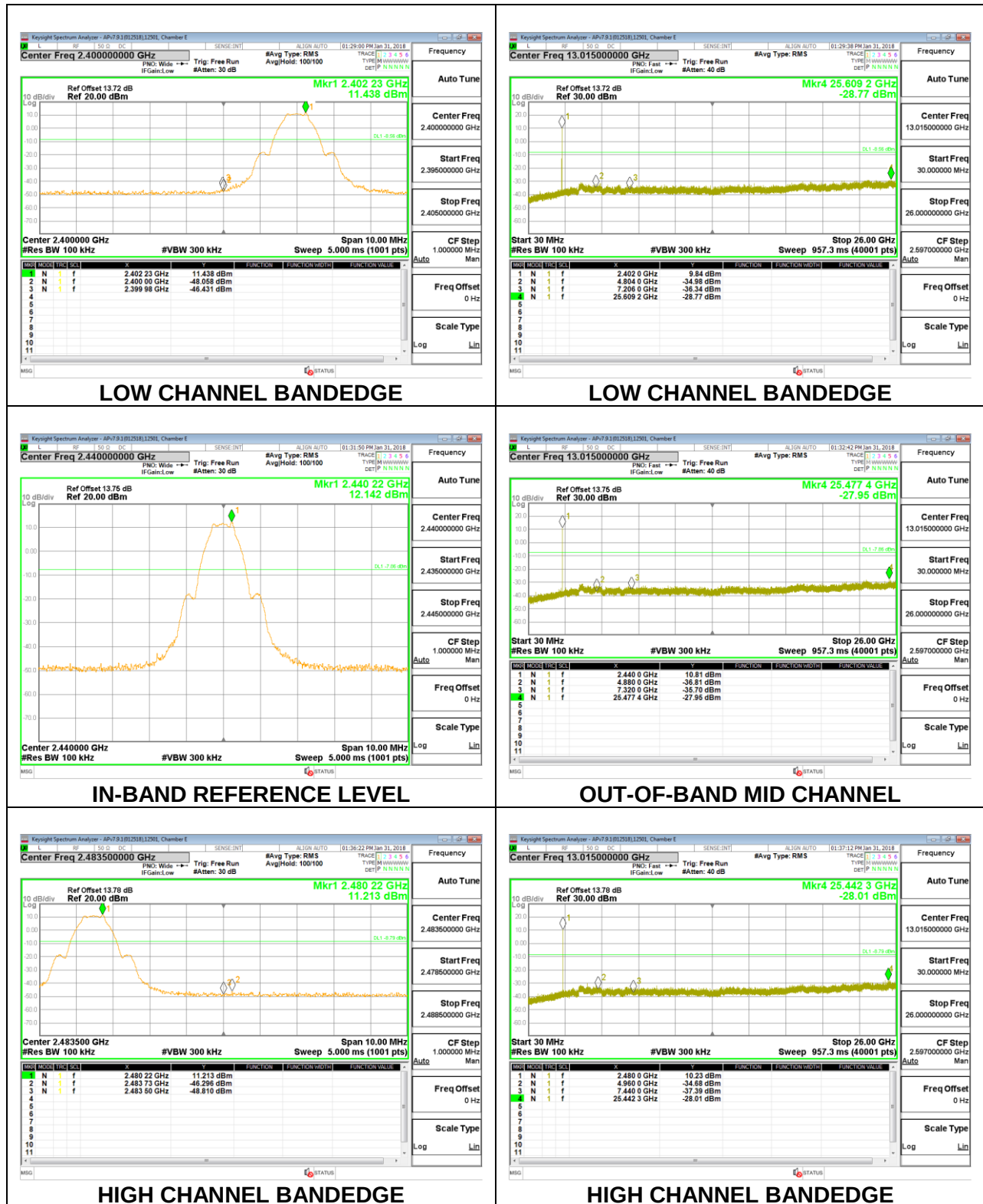


### 8.7.3. LOW POWER BLE (1Mbps)

#### ANTENNA 4

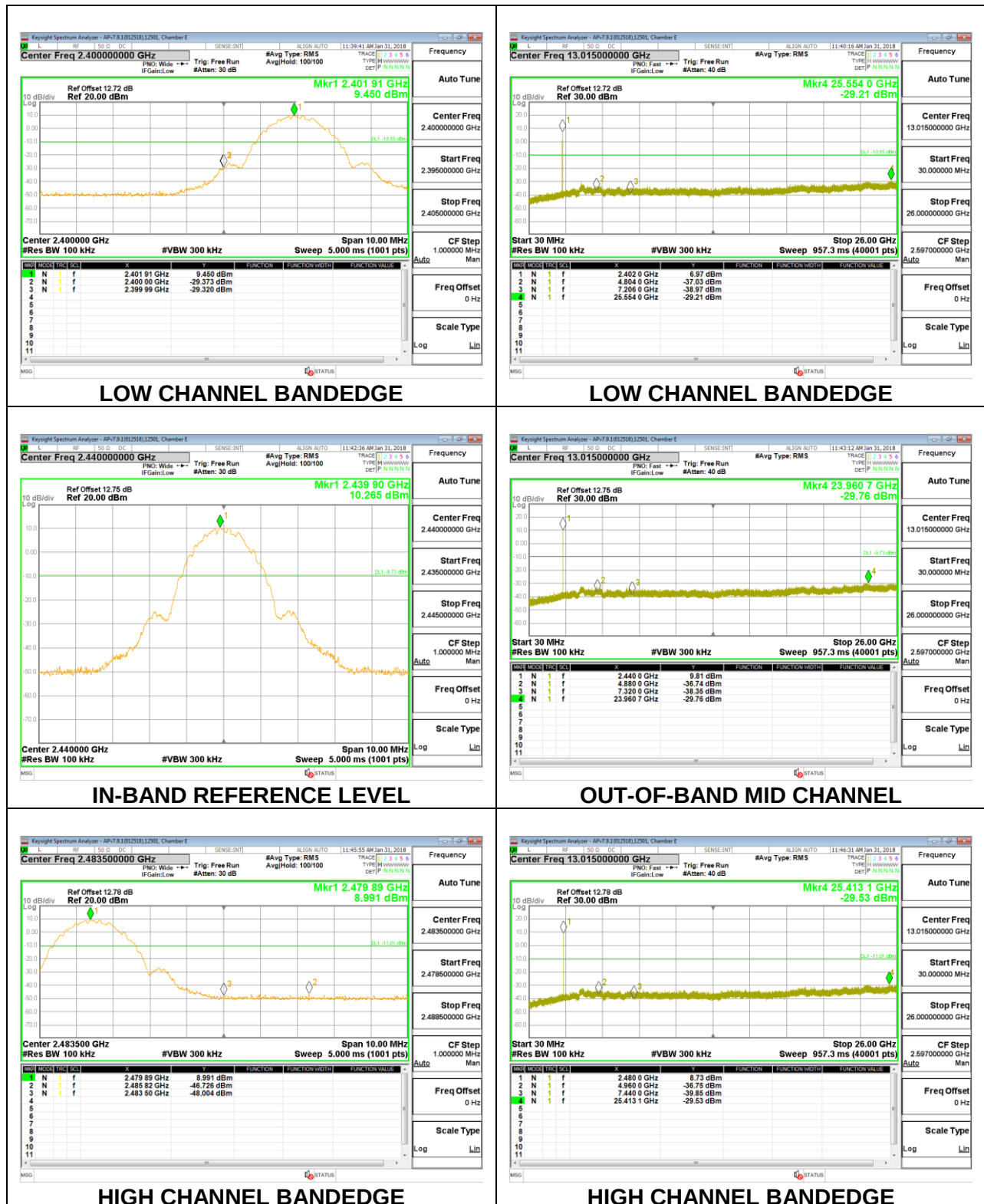


# ANTENNA 3

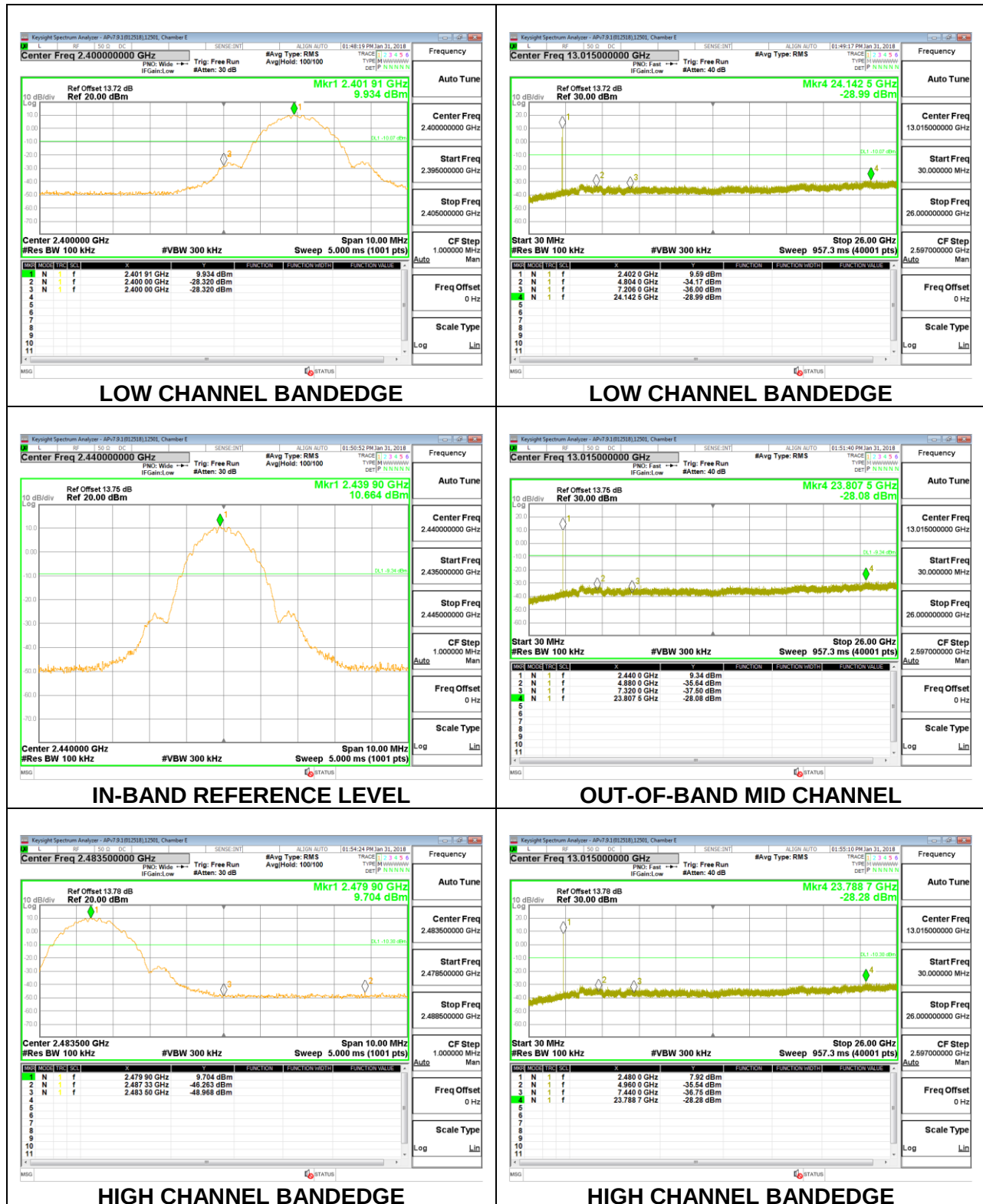


## 8.7.4. LOW POWER BLE (2Mbps)

### ANTENNA 4



# ANTENNA 3



## 9. RADIATED TEST RESULTS

### 9.1. LIMITS AND PROCEDURE

#### LIMITS

FCC §15.205 and §15.209

RSS-GEN, Section 8.9 and 8.10.

| Frequency Range (MHz) | Field Strength Limit (uV/m) at 3 m | Field Strength Limit (dBuV/m) at 3 m |
|-----------------------|------------------------------------|--------------------------------------|
| 0.009-0.490           | 2400/F(kHz) @ 300 m                | -                                    |
| 0.490-1.705           | 24000/F(kHz) @ 30 m                | -                                    |
| 1.705 - 30            | 30 @ 30m                           | -                                    |
| 30 - 88               | 100                                | 40                                   |
| 88 - 216              | 150                                | 43.5                                 |
| 216 - 960             | 200                                | 46                                   |
| Above 960             | 500                                | 54                                   |

#### TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 KHz for peak measurements.

For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

The spectrum from 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band. Below 1GHz and above 18GHz emissions, the channel with the highest output power was tested.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

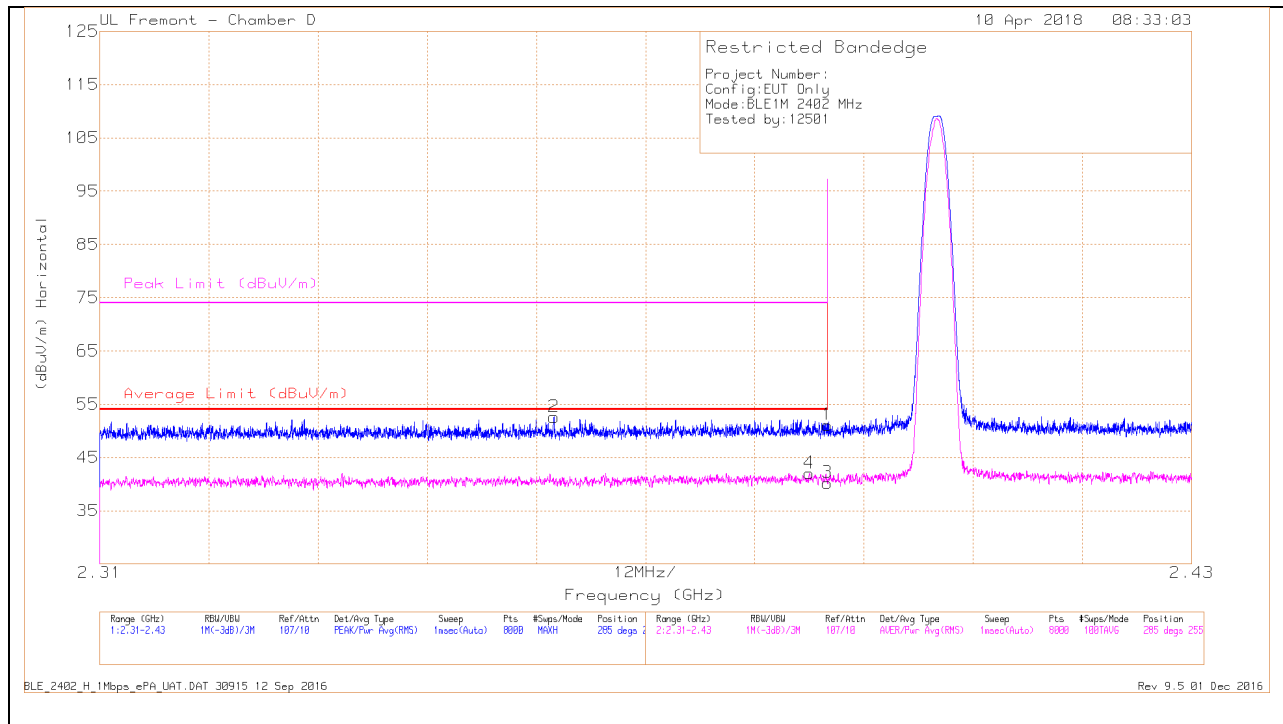
## 9.2. TRANSMITTER ABOVE 1 GHz

### 9.2.1. HIGH POWER BLE (1Mbps)

#### ANTENNA 4

#### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT



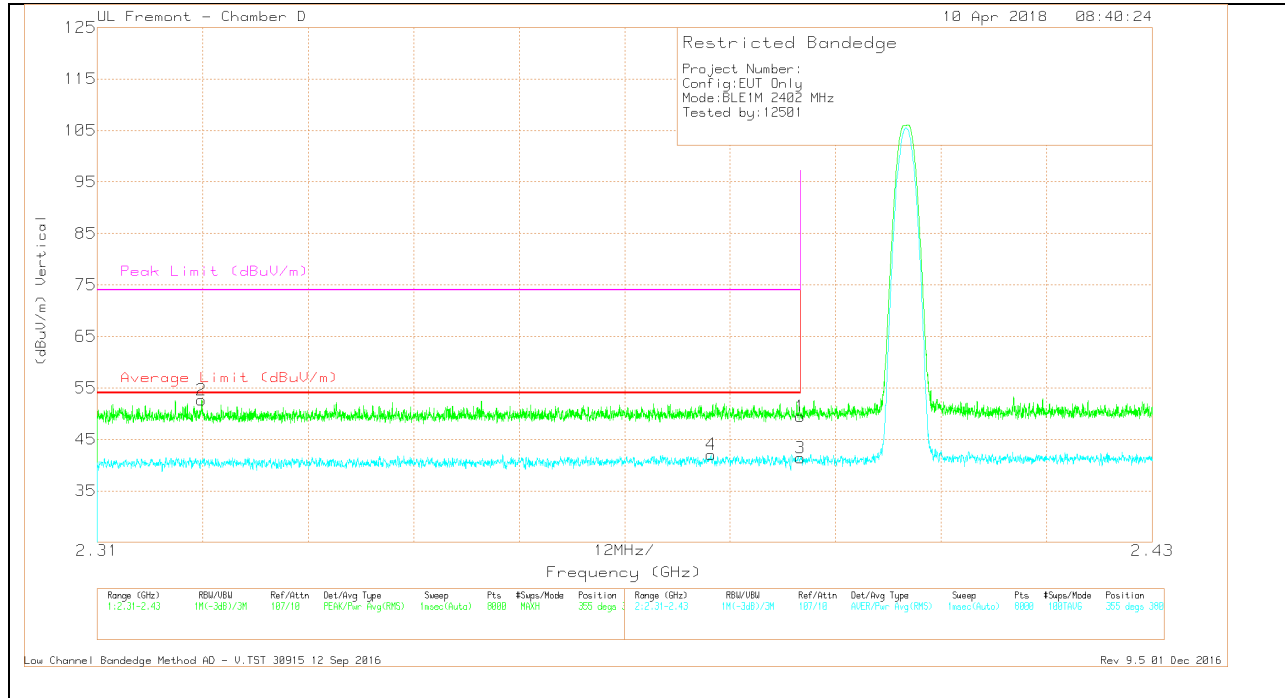
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/Cbl /Ftr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 2.36          | 41.5                 | Pk  | 31.7           | -20.6                 | 52.6                       | -                      | -           | 74                  | -21.4          | 285            | 255         | H        |
| 4      | * 2.388         | 30.65                | RMS | 31.9           | -20.5                 | 42.05                      | 54                     | -11.95      | -                   | -              | 285            | 255         | H        |
| 1      | * 2.39          | 39.72                | Pk  | 31.9           | -20.5                 | 51.12                      | -                      | -           | -                   | -22.88         | 285            | 255         | H        |
| 3      | * 2.39          | 28.85                | RMS | 31.9           | -20.5                 | 40.25                      | 54                     | -13.75      | -                   | -              | 285            | 255         | 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 T136 (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          | 38.05                | Pk  | 31.9           | -20.5                  | 49.45                      | -                      | -           | 74                  | -24.55         | 355            | 380         | V        |
| 2      | * 2.322         | 41.73                | Pk  | 31.5           | -20.6                  | 52.63                      | -                      | -           | 74                  | -21.37         | 355            | 380         | V        |
| 3      | * 2.39          | 29.98                | RMS | 31.9           | -20.5                  | 41.38                      | 54                     | -12.62      | -                   | -              | 355            | 380         | V        |
| 4      | * 2.38          | 30.64                | RMS | 31.8           | -20.4                  | 42.04                      | 54                     | -11.96      | -                   | -              | 355            | 380         | V        |

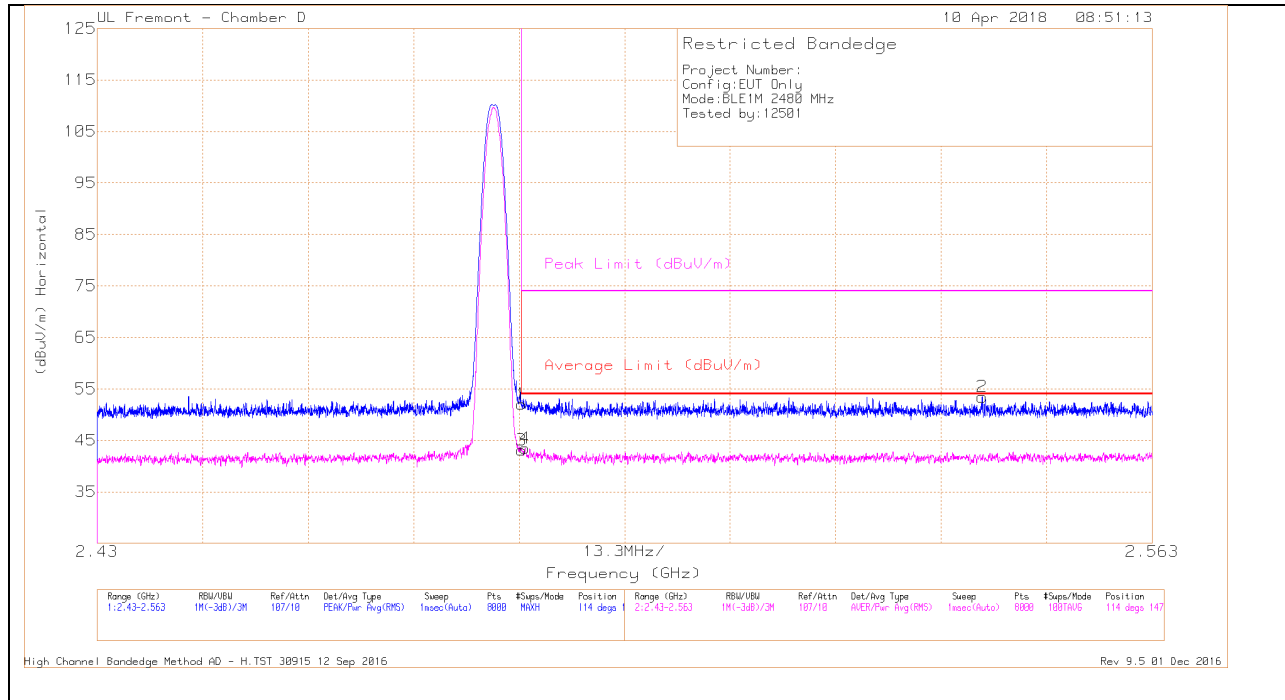
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## BANDEDGE (HIGH CHANNEL)

### HORIZONTAL RESULT



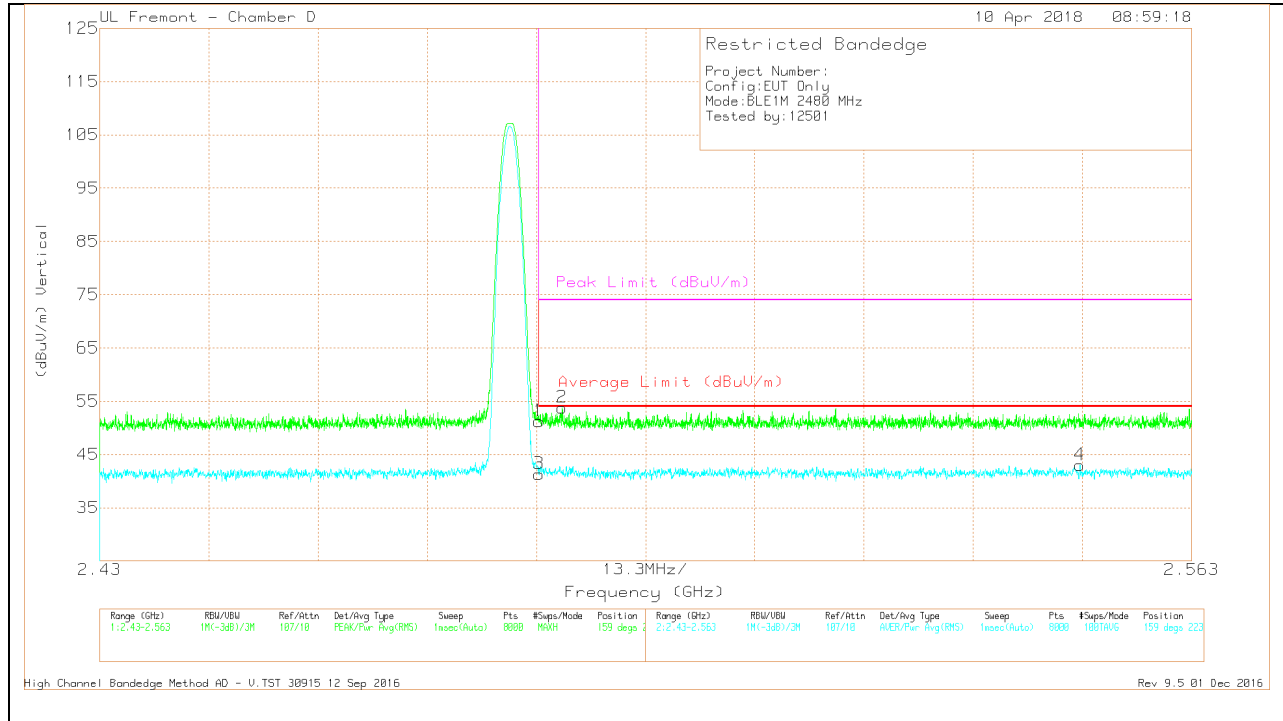
| Marker | Frequen<br>cy<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det | AF T136<br>(dB/m) | Amp/Cbl<br>/Filtr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m<br>) | Average<br>Limit<br>(dBuV/m<br>) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m<br>) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|-----|-------------------|-------------------------------|------------------------------------------|----------------------------------|----------------|-------------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 2.484                | 40.01                      | Pk  | 32.4              | -20.4                         | 52.01                                    | -                                | -              | 74                            | -21.99               | 114               | 147            | H        |
| 3      | * 2.484                | 31.12                      | RMS | 32.4              | -20.4                         | 43.12                                    | 54                               | -10.88         | -                             | -                    | 114               | 147            | H        |
| 4      | * 2.484                | 31.59                      | RMS | 32.4              | -20.5                         | 43.49                                    | 54                               | -10.51         | -                             | -                    | 114               | 147            | H        |
| 2      | 2.542                  | 41.36                      | Pk  | 32.4              | -20.3                         | 53.46                                    | -                                | -              | 74                            | -20.54               | 114               | 147            | 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 T136 (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         | 39.26                | Pk  | 32.4           | -20.4                   | 51.26                      | -                      | -           | 74                  | -22.74         | 159            | 223         | V        |
| 3      | * 2.484         | 29.34                | RMS | 32.4           | -20.4                   | 41.34                      | 54                     | -12.66      | -                   | -              | 159            | 223         | V        |
| 2      | * 2.486         | 41.9                 | Pk  | 32.4           | -20.5                   | 53.8                       | -                      | -           | 74                  | -20.2          | 159            | 223         | V        |
| 4      | 2.549           | 30.93                | RMS | 32.4           | -20.3                   | 43.03                      | 54                     | -10.97      | -                   | -              | 159            | 223         | V        |

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

Pk - Peak detector

RMS - RMS detection



## RADIATED EMISSIONS

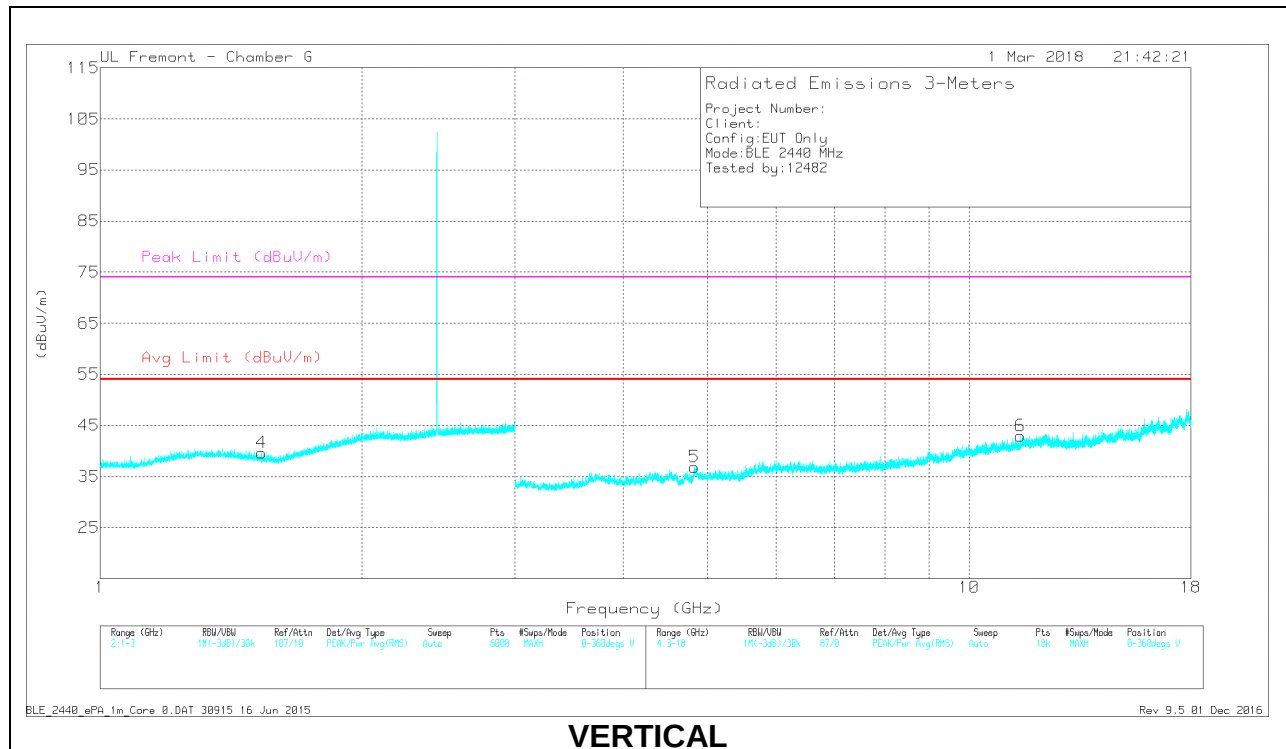
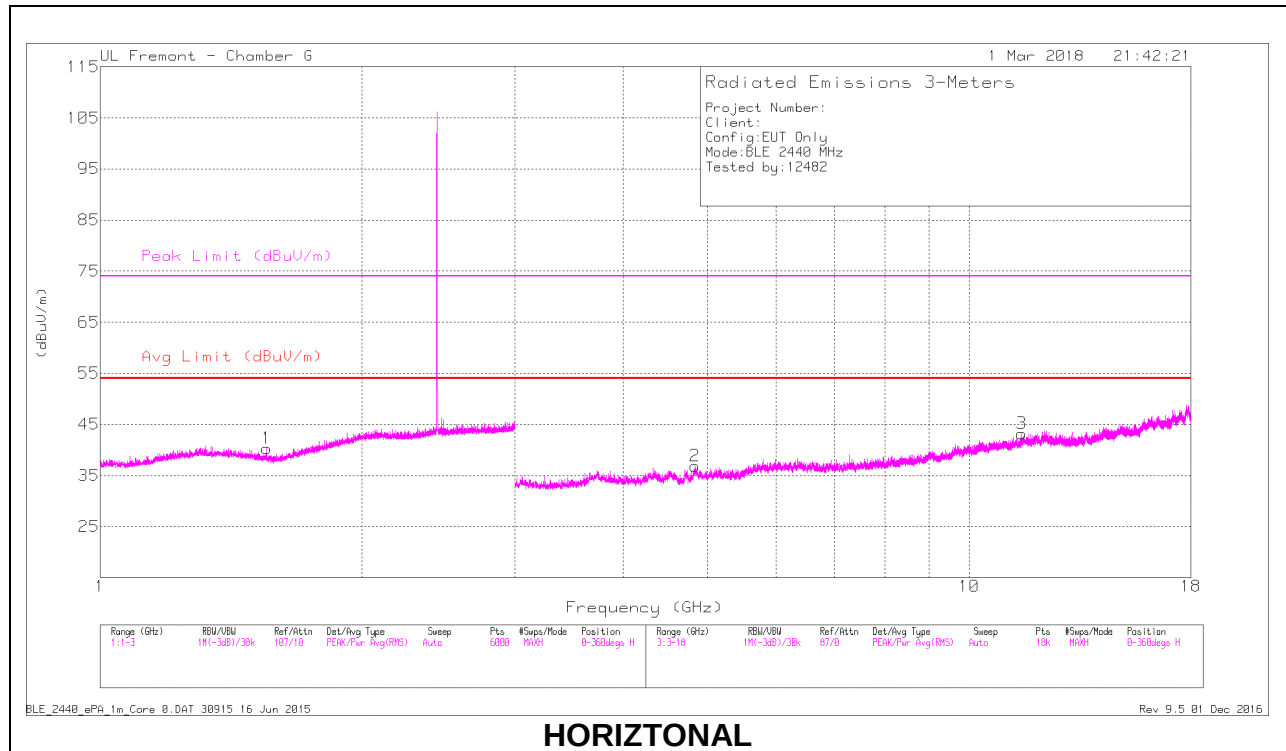
| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T345<br>(dB/m) | Amp/Cbl<br>/Fitr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m<br>) | Avg Limit<br>(dBuV/m<br>) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m<br>) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|------|-------------------|------------------------------|------------------------------------------|---------------------------|----------------|-------------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 1.568                | 43.63                      | PK2  | 27.6              | -25                          | 46.23                                    | -                         | -              | 74                            | -27.77               | 304               | 290            | H        |
|        | * 1.569                | 31.9                       | MAv1 | 27.6              | -25                          | 34.5                                     | 54                        | -19.5          | -                             | -                    | 304               | 290            | H        |
| 4      | * 1.352                | 44.28                      | PK2  | 28.8              | -25.4                        | 47.68                                    | -                         | -              | 74                            | -26.32               | 331               | 319            | V        |
|        | * 1.351                | 32.07                      | MAv1 | 28.8              | -25.5                        | 35.37                                    | 54                        | -18.63         | -                             | -                    | 331               | 319            | V        |
| 2      | * 4.839                | 41.92                      | PK2  | 34.1              | -32.2                        | 43.82                                    | -                         | -              | 74                            | -30.18               | 42                | 187            | H        |
|        | * 4.841                | 30.37                      | MAv1 | 34.1              | -32.2                        | 32.27                                    | 54                        | -21.73         | -                             | -                    | 42                | 187            | H        |
| 3      | * 11.311               | 36.31                      | PK2  | 38.1              | -25.1                        | 49.31                                    | -                         | -              | 74                            | -24.69               | 42                | 314            | H        |
|        | * 11.312               | 24.56                      | MAv1 | 38.1              | -25.1                        | 37.56                                    | 54                        | -16.44         | -                             | -                    | 42                | 314            | H        |
| 5      | * 4.547                | 40.22                      | PK2  | 34.2              | -32.3                        | 42.12                                    | -                         | -              | 74                            | -31.88               | 356               | 218            | V        |
|        | * 4.546                | 28.76                      | MAv1 | 34.2              | -32.3                        | 30.66                                    | 54                        | -23.34         | -                             | -                    | 356               | 218            | V        |
| 6      | * 12.303               | 36.21                      | PK2  | 38.7              | -25.4                        | 49.51                                    | -                         | -              | 74                            | -24.49               | 106               | 251            | V        |
|        | * 12.302               | 24.57                      | MAv1 | 38.7              | -25.4                        | 37.87                                    | 54                        | -16.13         | -                             | -                    | 106               | 251            | 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 RESULTS



## RADIATED EMISSIONS

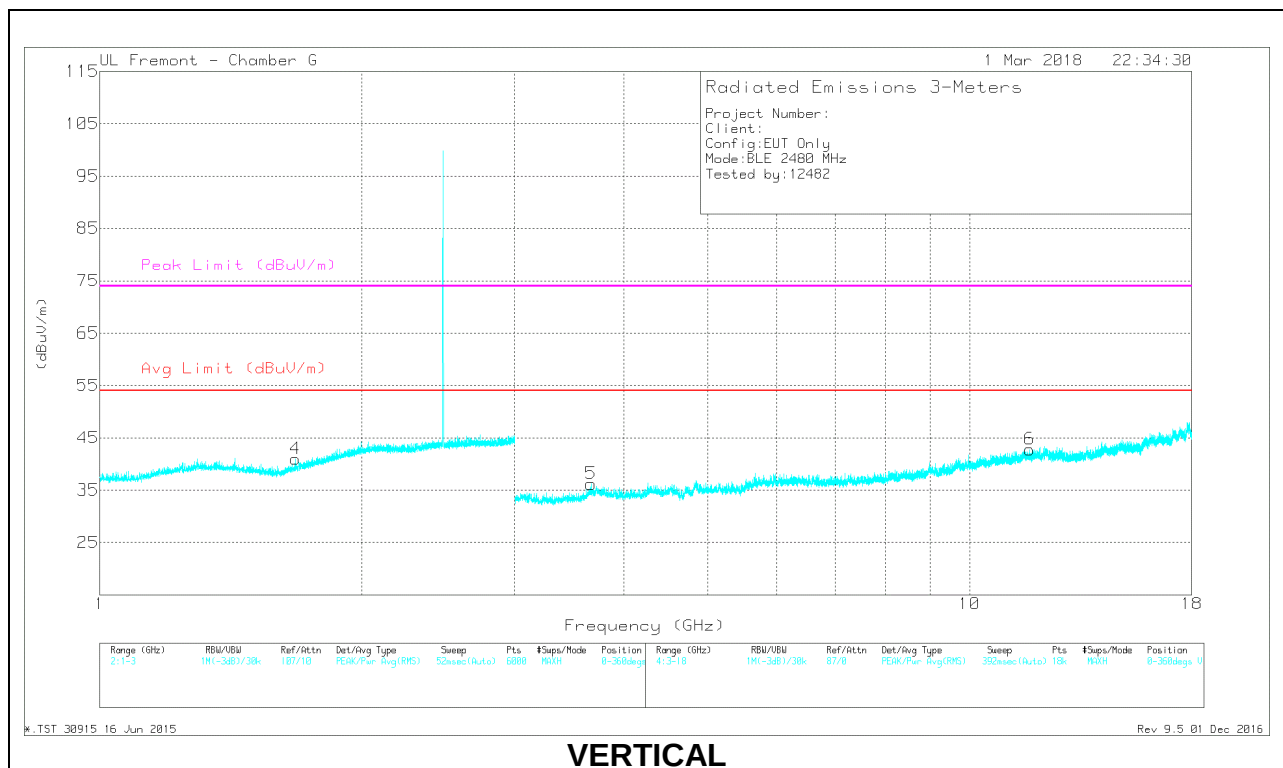
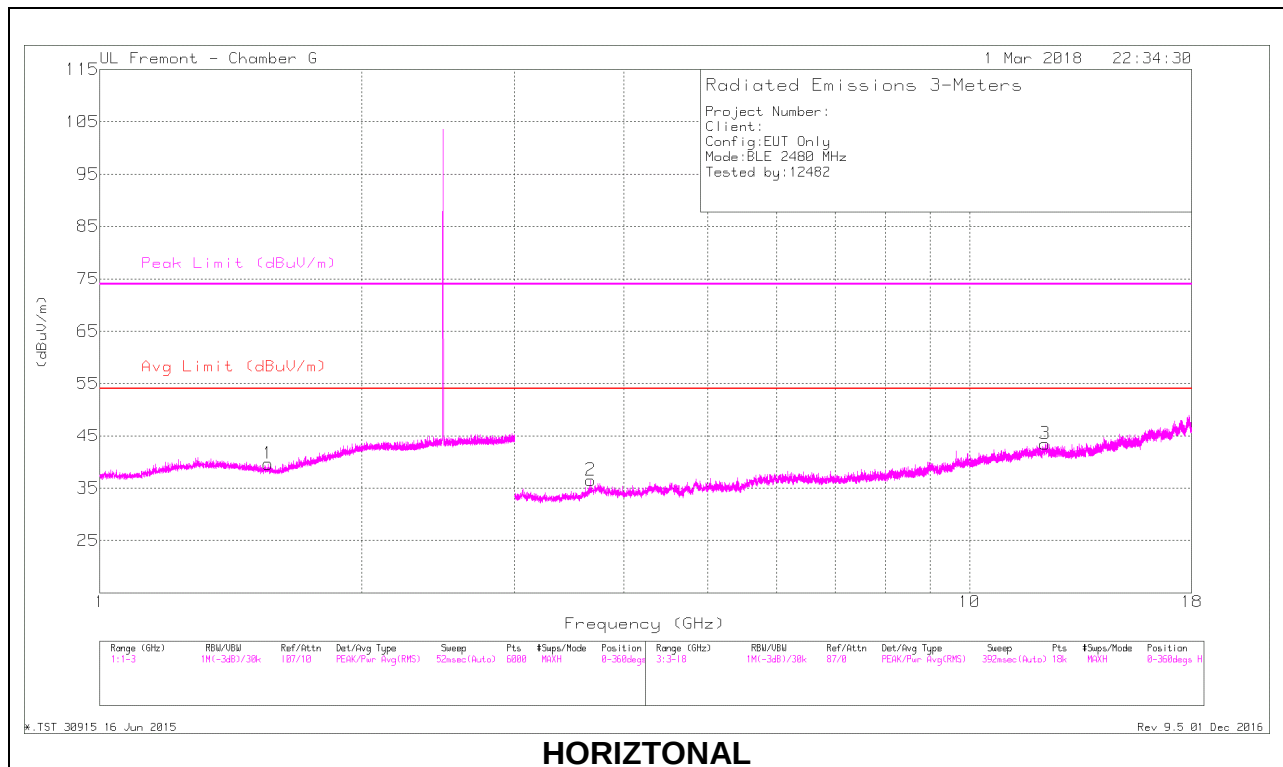
| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T345<br>(dB/m) | Amp/Cbl/<br>Filtr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m) | Avg Limit<br>(dBuV/m) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|------|-------------------|-------------------------------|--------------------------------------|-----------------------|----------------|---------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 1.554                | 43.92                      | PK2  | 27.7              | -25                           | 46.62                                | -                     | -              | 74                        | -27.38               | 349               | 211            | H        |
|        | * 1.552                | 31.97                      | MAv1 | 27.7              | -25                           | 34.67                                | 54                    | -19.33         | -                         | -                    | 349               | 211            | H        |
| 4      | * 1.533                | 43.39                      | PK2  | 27.8              | -25.1                         | 46.09                                | -                     | -              | 74                        | -27.91               | 127               | 247            | V        |
|        | * 1.534                | 31.76                      | MAv1 | 27.8              | -25.1                         | 34.46                                | 54                    | -19.54         | -                         | -                    | 127               | 247            | V        |
| 2      | * 4.841                | 41.67                      | PK2  | 34.1              | -32.2                         | 43.57                                | -                     | -              | 74                        | -30.43               | 102               | 306            | H        |
|        | * 4.841                | 30.32                      | MAv1 | 34.1              | -32.2                         | 32.22                                | 54                    | -21.78         | -                         | -                    | 102               | 306            | H        |
| 3      | * 11.501               | 36.8                       | PK2  | 38.4              | -25.6                         | 49.6                                 | -                     | -              | 74                        | -24.4                | 93                | 311            | H        |
|        | * 11.5                 | 25.1                       | MAv1 | 38.4              | -25.7                         | 37.8                                 | 54                    | -16.2          | -                         | -                    | 93                | 311            | H        |
| 5      | * 4.831                | 41.41                      | PK2  | 34.1              | -32.2                         | 43.31                                | -                     | -              | 74                        | -30.69               | 356               | 119            | V        |
|        | * 4.832                | 29.86                      | MAv1 | 34.1              | -32.2                         | 31.76                                | 54                    | -22.24         | -                         | -                    | 356               | 119            | V        |
| 6      | * 11.455               | 38.16                      | PK2  | 38.3              | -26.4                         | 50.06                                | -                     | -              | 74                        | -23.94               | 127               | 398            | V        |
|        | * 11.456               | 26.15                      | MAv1 | 38.3              | -26.4                         | 38.05                                | 54                    | -15.95         | -                         | -                    | 127               | 398            | 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 RESULTS



## RADIATED EMISSIONS

| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T345<br>(dB/m) | Amp/Cbl/<br>Filtr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m) | Avg Limit<br>(dBuV/m) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|------|-------------------|-------------------------------|--------------------------------------|-----------------------|----------------|---------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 1.564                | 44.49                      | PK2  | 27.6              | -25                           | 47.09                                | -                     | -              | 74                        | -26.91               | 114               | 400            | H        |
|        | * 1.563                | 31.97                      | MAv1 | 27.6              | -25                           | 34.57                                | 54                    | -19.43         | -                         | -                    | 114               | 400            | H        |
| 4      | * 1.678                | 43.84                      | PK2  | 28.4              | -24.9                         | 47.34                                | -                     | -              | 74                        | -26.66               | 7                 | 160            | V        |
|        | * 1.679                | 31.94                      | MAv1 | 28.4              | -24.9                         | 35.44                                | 54                    | -18.56         | -                         | -                    | 7                 | 160            | V        |
| 2      | * 3.665                | 40.66                      | PK2  | 33.3              | -31.4                         | 42.56                                | -                     | -              | 74                        | -31.44               | 175               | 289            | H        |
|        | * 3.666                | 29.06                      | MAv1 | 33.3              | -31.4                         | 30.96                                | 54                    | -23.04         | -                         | -                    | 175               | 289            | H        |
| 3      | * 12.208               | 36.73                      | PK2  | 38.7              | -25                           | 50.43                                | -                     | -              | 74                        | -23.57               | 176               | 392            | H        |
|        | * 12.207               | 24.93                      | MAv1 | 38.7              | -25                           | 38.63                                | 54                    | -15.37         | -                         | -                    | 176               | 392            | H        |
| 5      | * 3.671                | 40.95                      | PK2  | 33.3              | -31.4                         | 42.85                                | -                     | -              | 74                        | -31.15               | 320               | 180            | V        |
|        | * 3.67                 | 28.52                      | MAv1 | 33.3              | -31.4                         | 30.42                                | 54                    | -23.58         | -                         | -                    | 320               | 180            | V        |
| 6      | * 11.72                | 37.41                      | PK2  | 38.6              | -26                           | 50.01                                | -                     | -              | 74                        | -23.99               | 207               | 224            | V        |
|        | * 11.72                | 25.04                      | MAv1 | 38.6              | -26                           | 37.64                                | 54                    | -16.36         | -                         | -                    | 207               | 224            | V        |

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

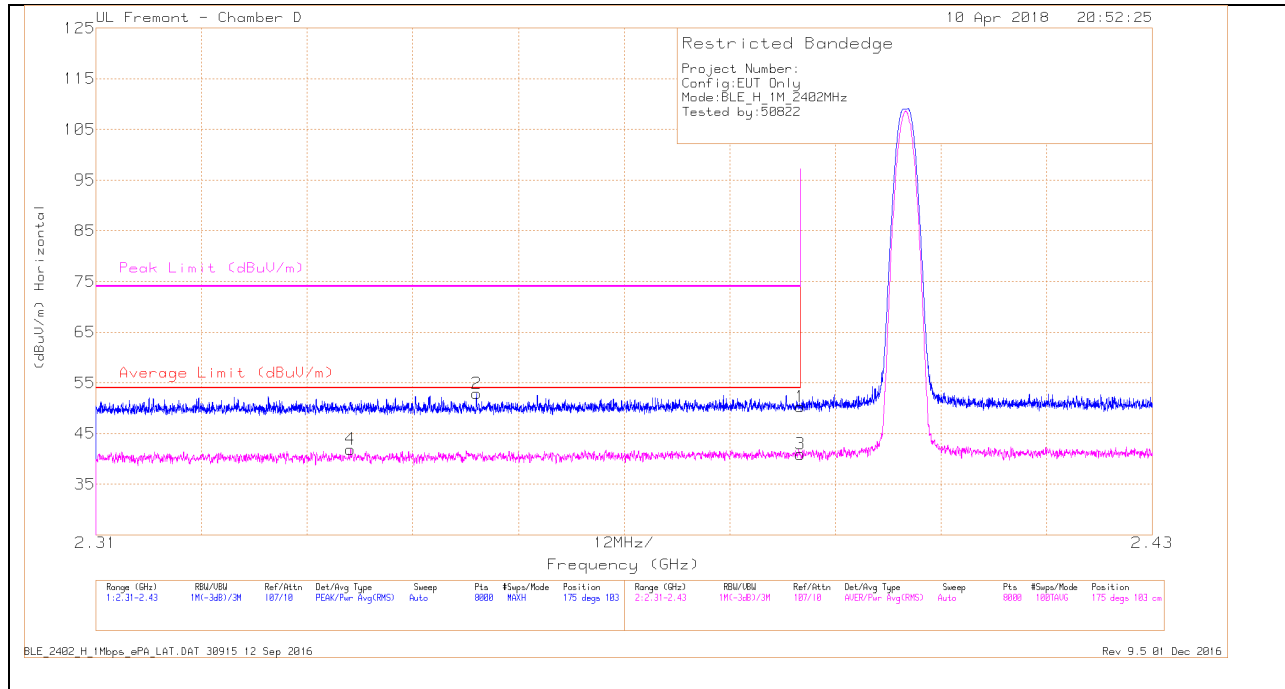
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### ANTENNA 3

### BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT

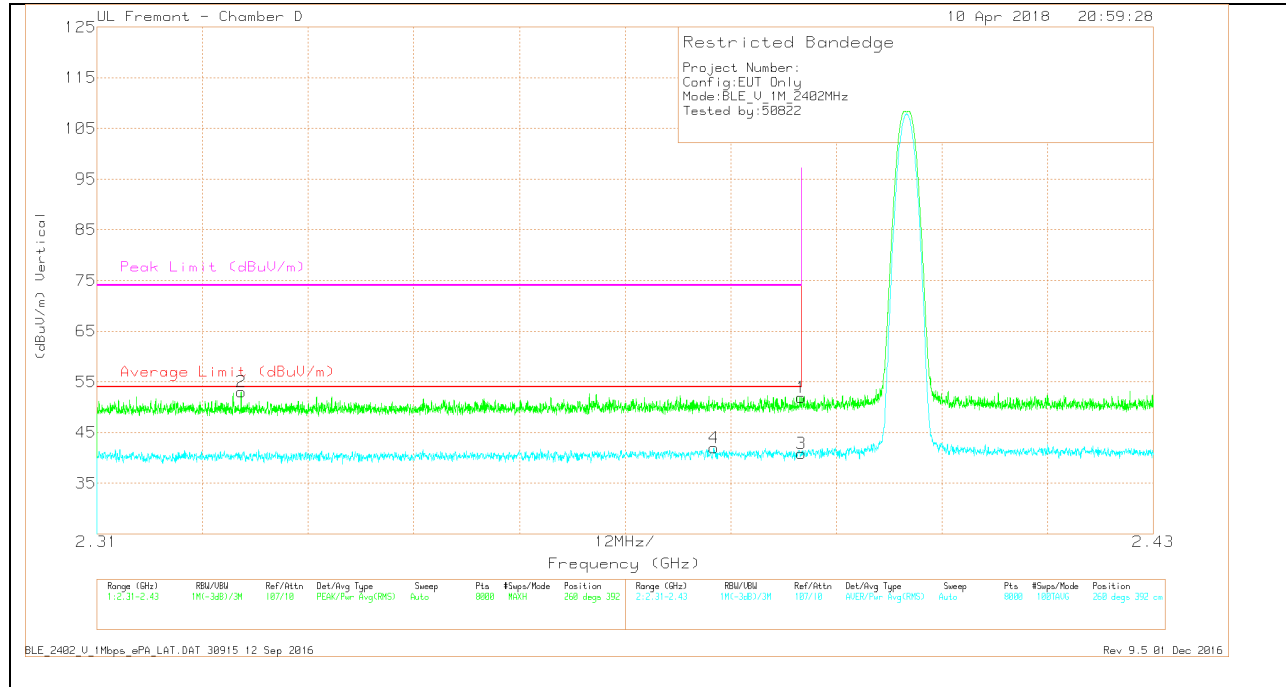


\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/Cbl /Ftr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 2.326         | 42.16                | Pk  | 31.5           | -20.6                 | 53.06                      | -                      | -           | 74                  | -20.94         | 260            | 392         | V        |
| 4      | * 2.38          | 30.53                | RMS | 31.8           | -20.4                 | 41.93                      | 54                     | -12.07      | -                   | -              | 260            | 392         | V        |
| 1      | * 2.39          | 40.46                | Pk  | 31.9           | -20.5                 | 51.86                      | -                      | -           | 74                  | -22.14         | 260            | 392         | V        |
| 3      | * 2.39          | 29.42                | RMS | 31.9           | -20.5                 | 40.82                      | 54                     | -13.18      | -                   | -              | 260            | 392         | V        |

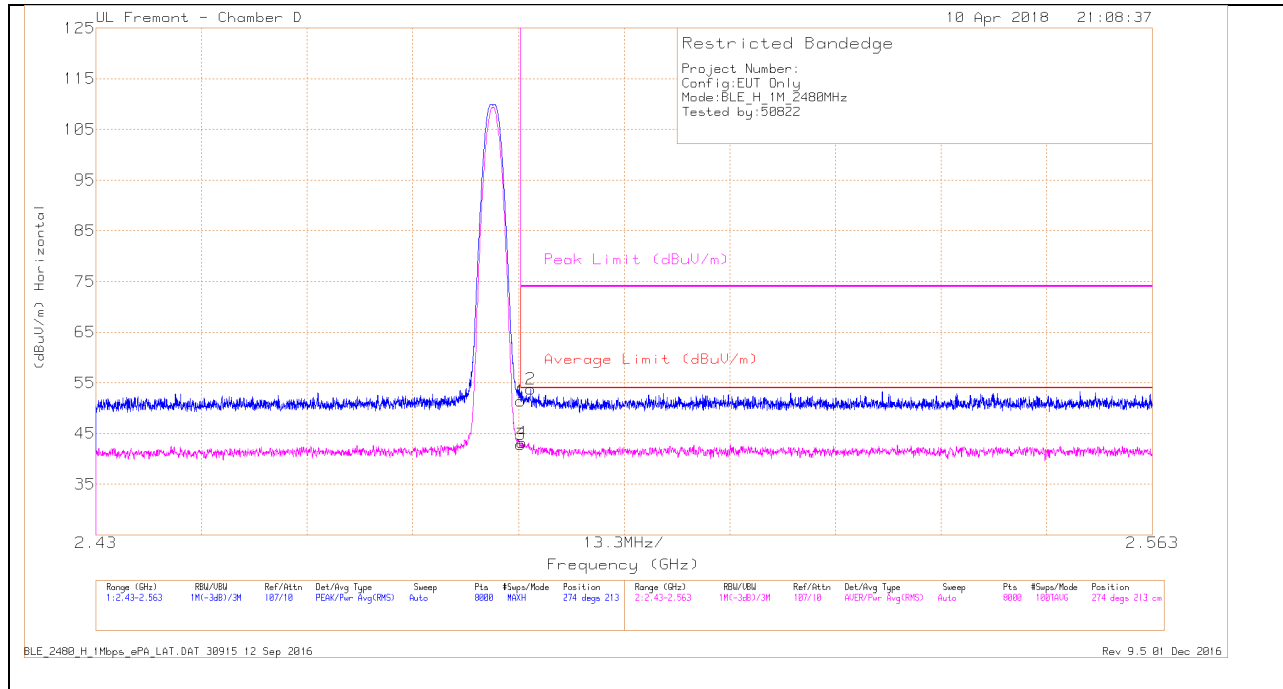
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## BANDEDGE (HIGH CHANNEL)

### HORIZONTAL RESULT



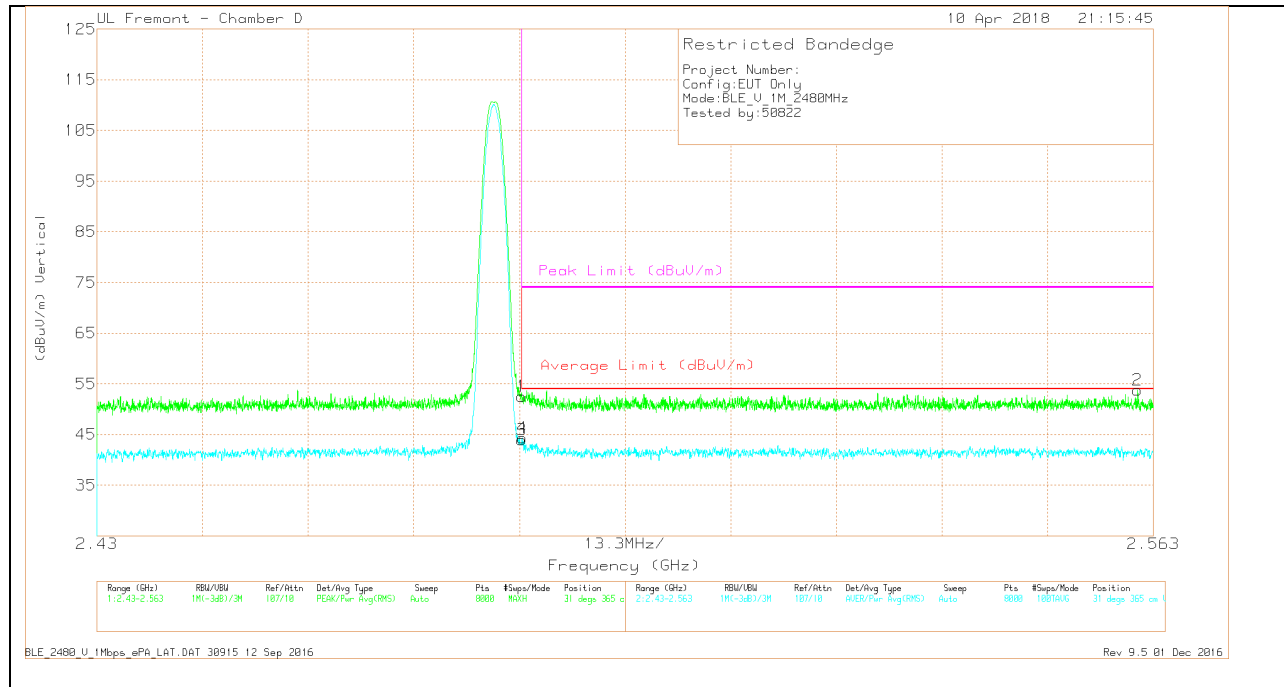
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/Cbl /Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 39.41                | Pk  | 32.4           | -20.4                   | 51.41                      | -                      | -           | 74                  | -22.59         | 274            | 213         | H        |
| 3      | * 2.484         | 30.82                | RMS | 32.4           | -20.4                   | 42.82                      | 54                     | -11.18      | -                   | -              | 274            | 213         | H        |
| 4      | * 2.484         | 31.31                | RMS | 32.4           | -20.5                   | 43.21                      | 54                     | -10.79      | -                   | -              | 274            | 213         | H        |
| 2      | * 2.485         | 41.85                | Pk  | 32.4           | -20.5                   | 53.75                      | -                      | -           | 74                  | -20.25         | 274            | 213         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det | AF T136<br>(dB/m) | Amp/Cbl<br>/Filtr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m<br>) | Average<br>Limit<br>(dBuV/m<br>) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m<br>) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|-----|-------------------|-------------------------------|------------------------------------------|----------------------------------|----------------|-------------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 2.484                | 40.5                       | Pk  | 32.4              | -20.4                         | 52.5                                     | -                                | -              | 74                            | -21.5                | 31                | 365            | V        |
| 3      | * 2.484                | 31.97                      | RMS | 32.4              | -20.4                         | 43.97                                    | 54                               | -10.03         | -                             | -                    | 31                | 365            | V        |
| 4      | * 2.484                | 32.38                      | RMS | 32.4              | -20.5                         | 44.28                                    | 54                               | -9.72          | -                             | -                    | 31                | 365            | V        |
| 2      | 2.561                  | 41.63                      | Pk  | 32.5              | -20.4                         | 53.73                                    | -                                | -              | 74                            | -20.27               | 31                | 365            | V        |

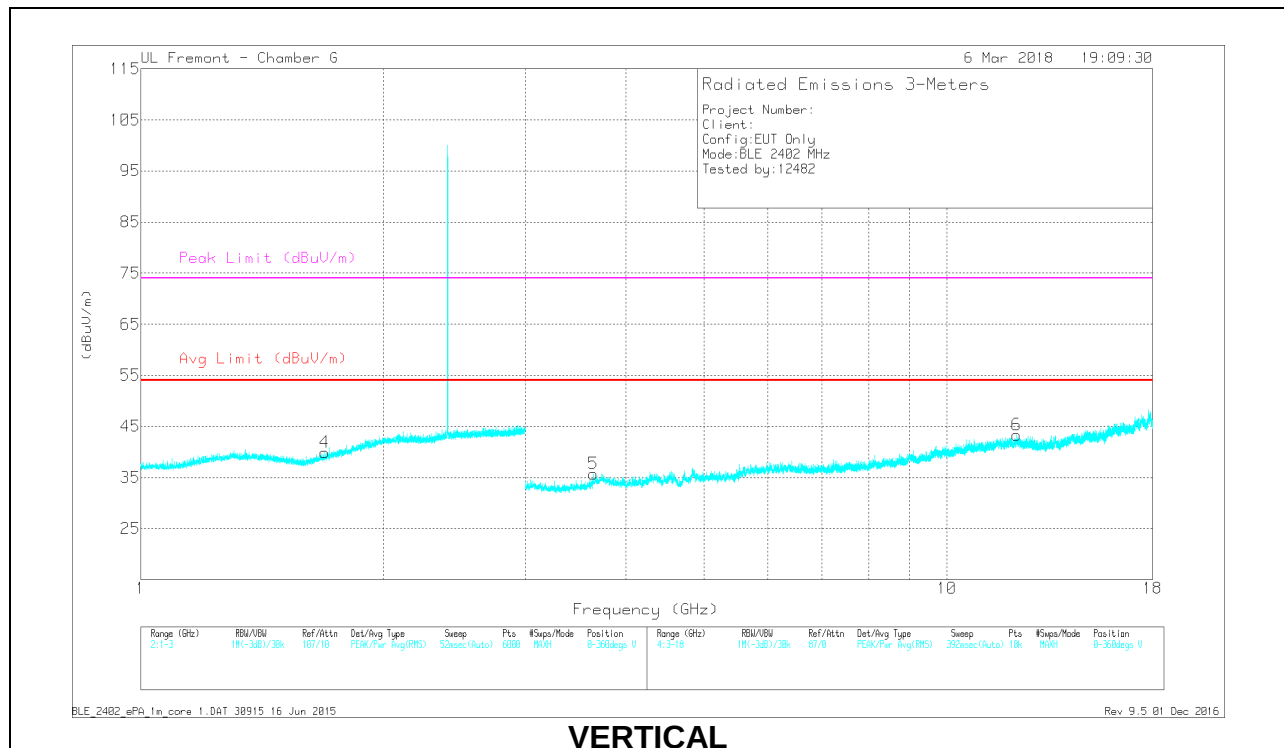
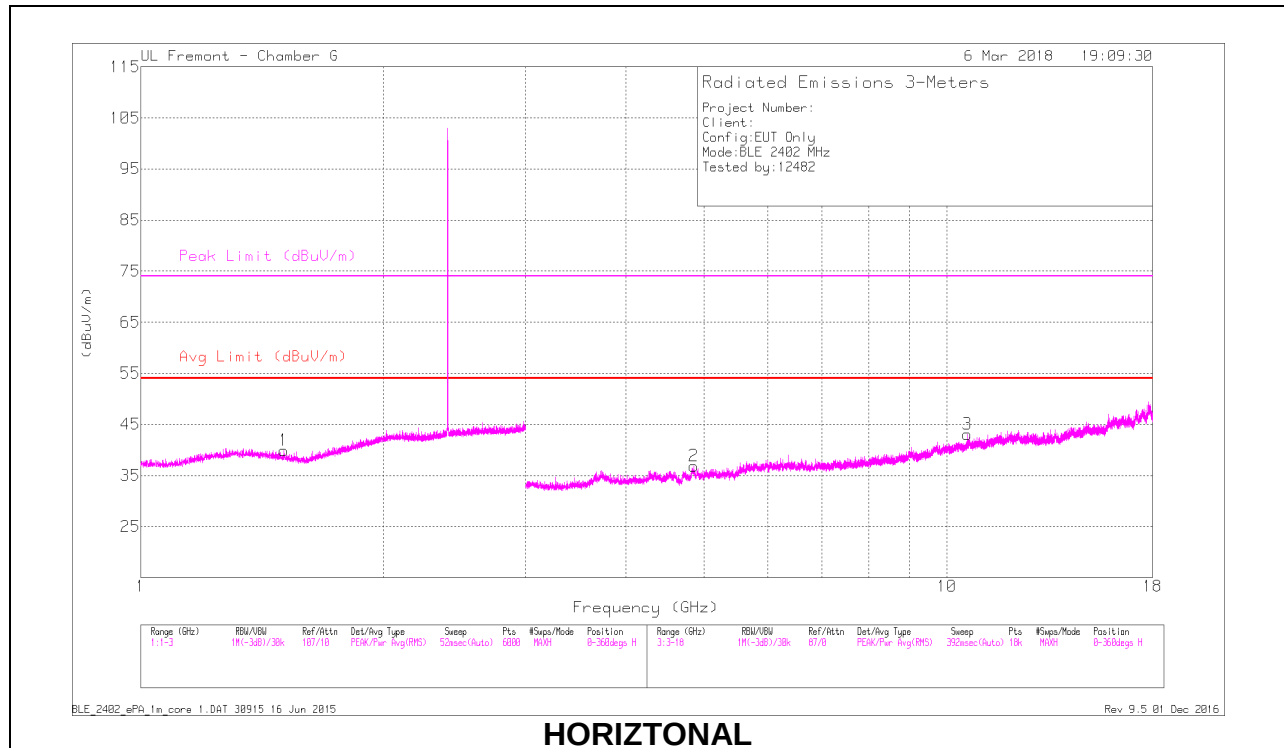
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



## RADIATED EMISSIONS

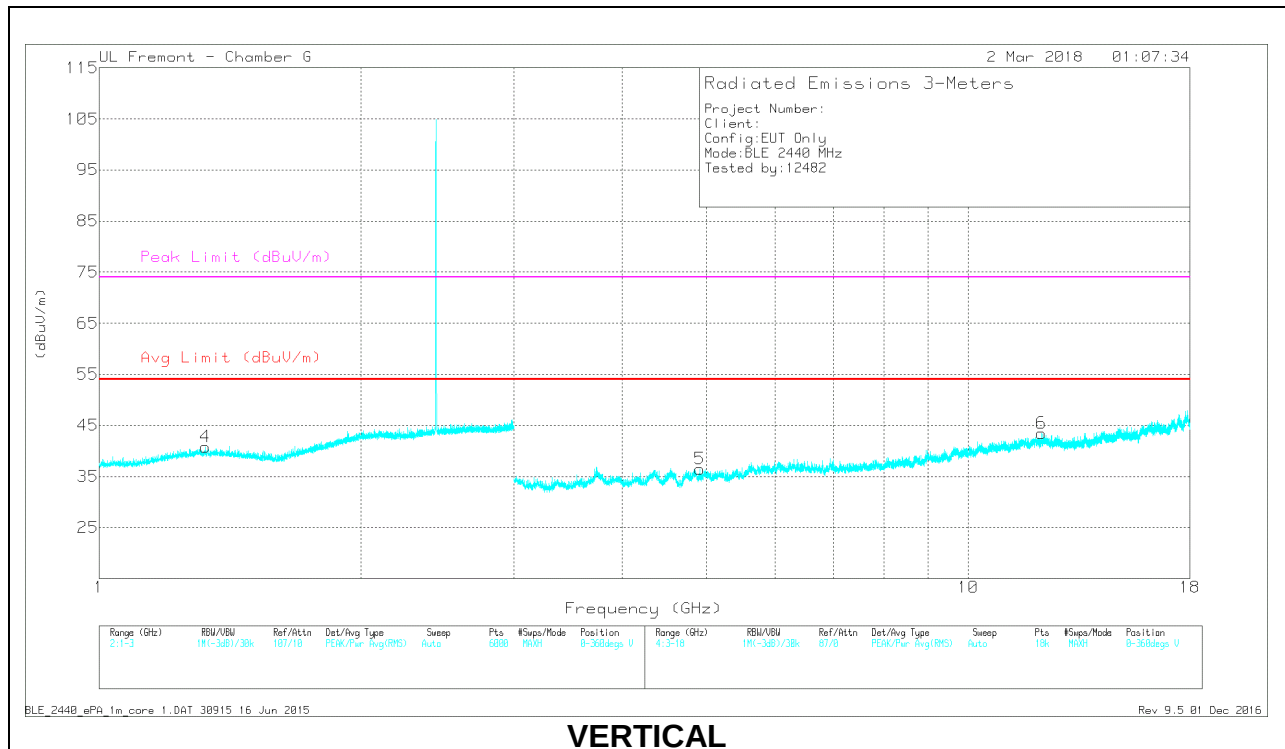
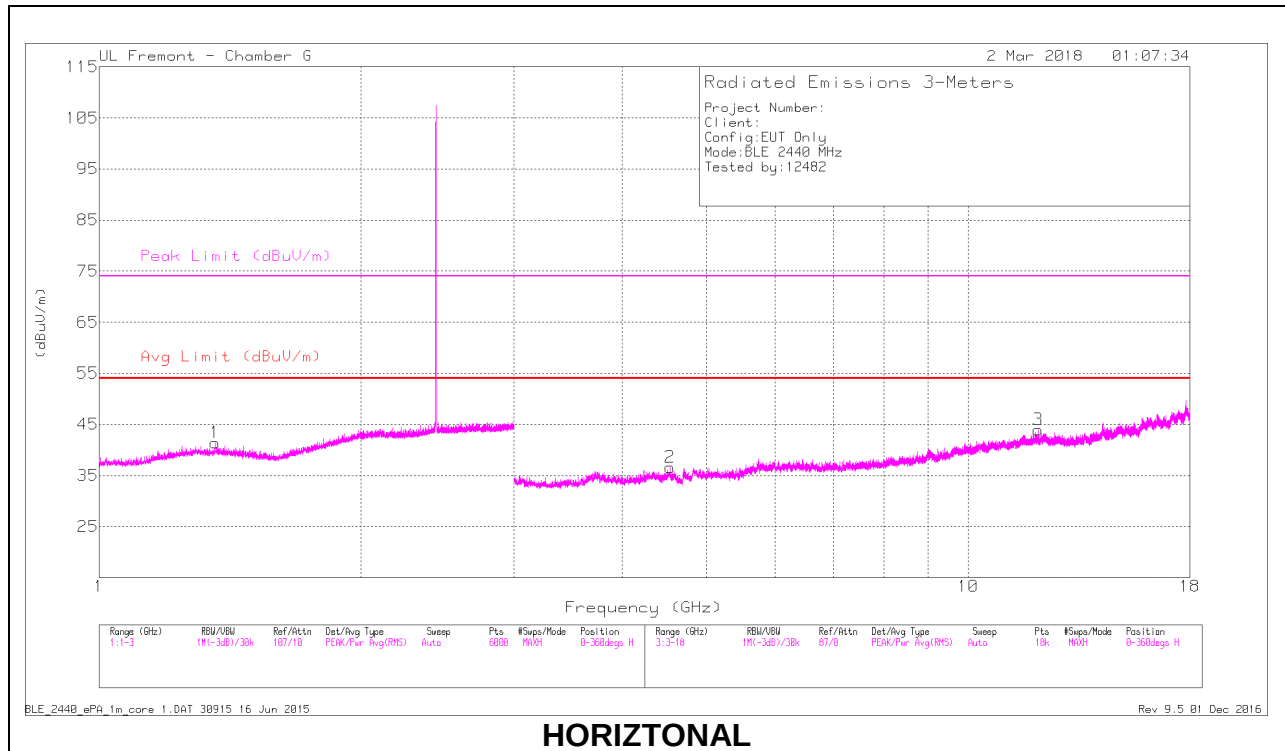
| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T345<br>(dB/m) | Amp/Cbl/<br>Filtr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m) | Avg Limit<br>(dBuV/m) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|------|-------------------|-------------------------------|--------------------------------------|-----------------------|----------------|---------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 1.505                | 43.54                      | PK2  | 28                | -25.1                         | 46.44                                | -                     | -              | 74                        | -27.56               | 319               | 300            | H        |
|        | * 1.504                | 31.27                      | MAv1 | 28                | -25.1                         | 34.17                                | 54                    | -19.83         | -                         | -                    | 319               | 300            | H        |
| 4      | * 1.691                | 43.15                      | PK2  | 28.6              | -24.9                         | 46.85                                | -                     | -              | 74                        | -27.15               | 49                | 197            | V        |
|        | * 1.692                | 31.28                      | MAv1 | 28.6              | -24.9                         | 34.98                                | 54                    | -19.02         | -                         | -                    | 49                | 197            | V        |
| 2      | * 4.857                | 40.67                      | PK2  | 34.1              | -32.2                         | 42.57                                | -                     | -              | 74                        | -31.43               | 275               | 182            | H        |
|        | * 4.853                | 28.9                       | MAv1 | 34.1              | -32.2                         | 30.8                                 | 54                    | -23.2          | -                         | -                    | 275               | 182            | H        |
| 3      | * 10.607               | 36.74                      | PK2  | 37.9              | -26.1                         | 48.54                                | -                     | -              | 74                        | -25.46               | 133               | 180            | H        |
|        | * 10.608               | 25.34                      | MAv1 | 37.9              | -26.1                         | 37.14                                | 54                    | -16.86         | -                         | -                    | 133               | 180            | H        |
| 5      | * 3.645                | 40.4                       | PK2  | 33.2              | -32                           | 41.6                                 | -                     | -              | 74                        | -32.4                | 144               | 160            | V        |
|        | * 3.642                | 28.55                      | MAv1 | 33.2              | -32.1                         | 29.65                                | 54                    | -24.35         | -                         | -                    | 144               | 160            | V        |
| 6      | * 12.215               | 36.34                      | PK2  | 38.7              | -24.9                         | 50.14                                | -                     | -              | 74                        | -23.86               | 233               | 143            | V        |
|        | * 12.217               | 24.55                      | MAv1 | 38.7              | -24.9                         | 38.35                                | 54                    | -15.65         | -                         | -                    | 233               | 143            | 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 RESULTS



## RADIATED EMISSIONS

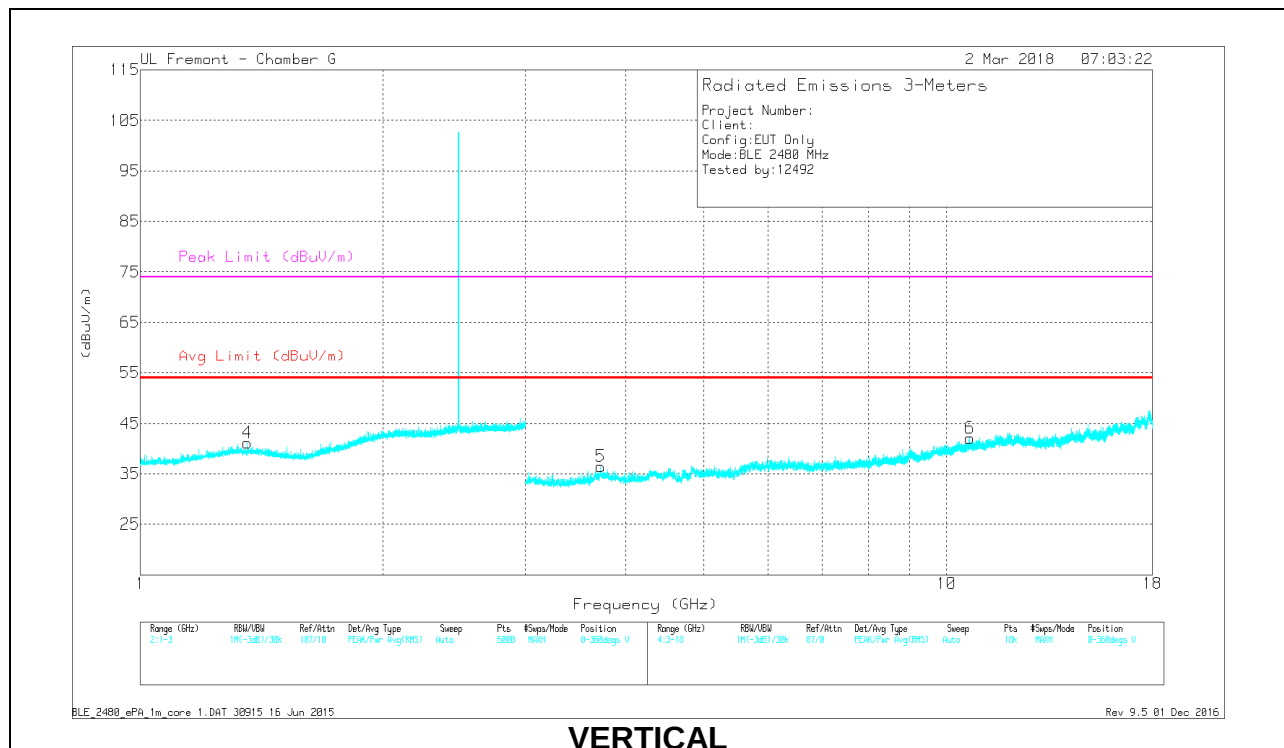
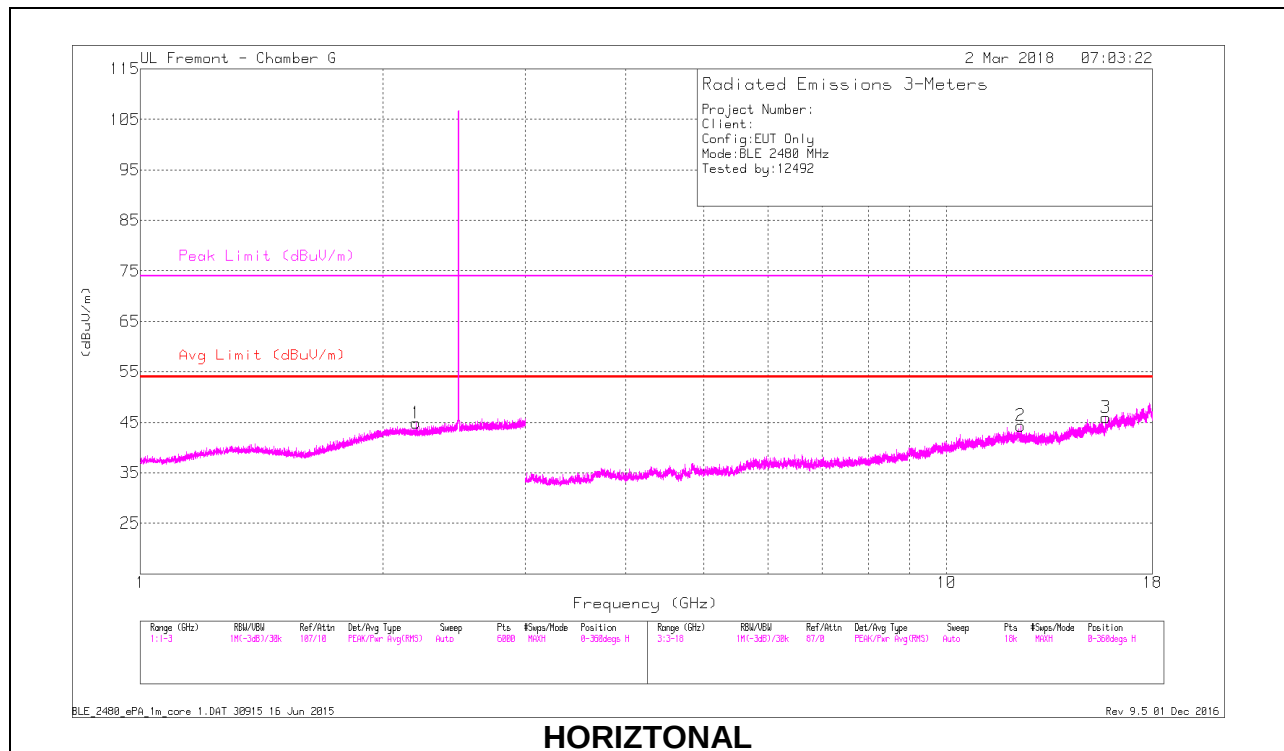
| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T345<br>(dB/m) | Amp/Cbl/<br>Filtr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m) | Avg Limit<br>(dBuV/m) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|------|-------------------|-------------------------------|--------------------------------------|-----------------------|----------------|---------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 1.358                | 44.44                      | PK2  | 28.8              | -25.4                         | 47.84                                | -                     | -              | 74                        | -26.16               | 78                | 317            | H        |
|        | * 1.357                | 32.11                      | MAv1 | 28.8              | -25.4                         | 35.51                                | 54                    | -18.49         | -                         | -                    | 78                | 317            | H        |
| 4      | * 1.325                | 44.09                      | PK2  | 28.8              | -25.5                         | 47.39                                | -                     | -              | 74                        | -26.61               | 128               | 315            | V        |
|        | * 1.324                | 32.09                      | MAv1 | 28.8              | -25.5                         | 35.39                                | 54                    | -18.61         | -                         | -                    | 128               | 315            | V        |
| 2      | * 4.539                | 41.31                      | PK2  | 34.2              | -32.3                         | 43.21                                | -                     | -              | 74                        | -30.79               | 180               | 203            | H        |
|        | * 4.539                | 29.09                      | MAv1 | 34.2              | -32.3                         | 30.99                                | 54                    | -23.01         | -                         | -                    | 180               | 203            | H        |
| 3      | * 12.038               | 36.83                      | PK2  | 38.7              | -25.3                         | 50.23                                | -                     | -              | 74                        | -23.77               | 85                | 385            | H        |
|        | * 12.038               | 25.66                      | MAv1 | 38.7              | -25.3                         | 39.06                                | 54                    | -14.94         | -                         | -                    | 85                | 385            | H        |
| 5      | * 4.915                | 40.89                      | PK2  | 34.1              | -32.1                         | 42.89                                | -                     | -              | 74                        | -31.11               | 88                | 316            | V        |
|        | * 4.916                | 29.73                      | MAv1 | 34.1              | -32.1                         | 31.73                                | 54                    | -22.27         | -                         | -                    | 88                | 316            | V        |
| 6      | * 12.146               | 37.15                      | PK2  | 38.7              | -25.5                         | 50.35                                | -                     | -              | 74                        | -23.65               | 360               | 165            | V        |
|        | * 12.144               | 25.07                      | MAv1 | 38.7              | -25.6                         | 38.17                                | 54                    | -15.83         | -                         | -                    | 360               | 165            | 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 RESULTS



## RADIATED EMISSIONS

| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T345<br>(dB/m) | Amp/Cbl<br>/Filtr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m) | Avg Limit<br>(dBuV/m) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|------|-------------------|-------------------------------|--------------------------------------|-----------------------|----------------|---------------------------|----------------------|-------------------|----------------|----------|
| 4      | * 1.356                | 43.98                      | PK2  | 28.8              | -25.4                         | 47.38                                | -                     | -              | 74                        | -26.62               | 91                | 271            | V        |
|        | * 1.356                | 32.08                      | MAv1 | 28.8              | -25.4                         | 35.48                                | 54                    | -18.52         | -                         | -                    | 91                | 271            | V        |
| 2      | * 12.344               | 36.82                      | PK2  | 38.7              | -26                           | 49.52                                | -                     | -              | 74                        | -24.48               | 306               | 137            | H        |
|        | * 12.343               | 25.26                      | MAv1 | 38.7              | -26                           | 37.96                                | 54                    | -16.04         | -                         | -                    | 306               | 137            | H        |
| 3      | * 15.741               | 37.23                      | PK2  | 40.9              | -26.7                         | 51.43                                | -                     | -              | 74                        | -22.57               | 4                 | 372            | H        |
|        | * 15.743               | 25.6                       | MAv1 | 40.9              | -26.7                         | 39.8                                 | 54                    | -14.2          | -                         | -                    | 4                 | 372            | H        |
| 5      | * 3.723                | 40.46                      | PK2  | 33.3              | -31.2                         | 42.56                                | -                     | -              | 74                        | -31.44               | 151               | 294            | V        |
|        | * 3.724                | 29.04                      | MAv1 | 33.3              | -31.2                         | 31.14                                | 54                    | -22.86         | -                         | -                    | 151               | 294            | V        |
| 6      | * 10.679               | 37.51                      | PK2  | 38                | -26.2                         | 49.31                                | -                     | -              | 74                        | -24.69               | 33                | 212            | V        |
|        | * 10.676               | 25.35                      | MAv1 | 38                | -26.1                         | 37.25                                | 54                    | -16.75         | -                         | -                    | 33                | 212            | V        |
| 1      | 2.198                  | 43.29                      | PK2  | 31.6              | -24.5                         | 50.39                                | -                     | -              | -                         | -                    | 79                | 282            | H        |

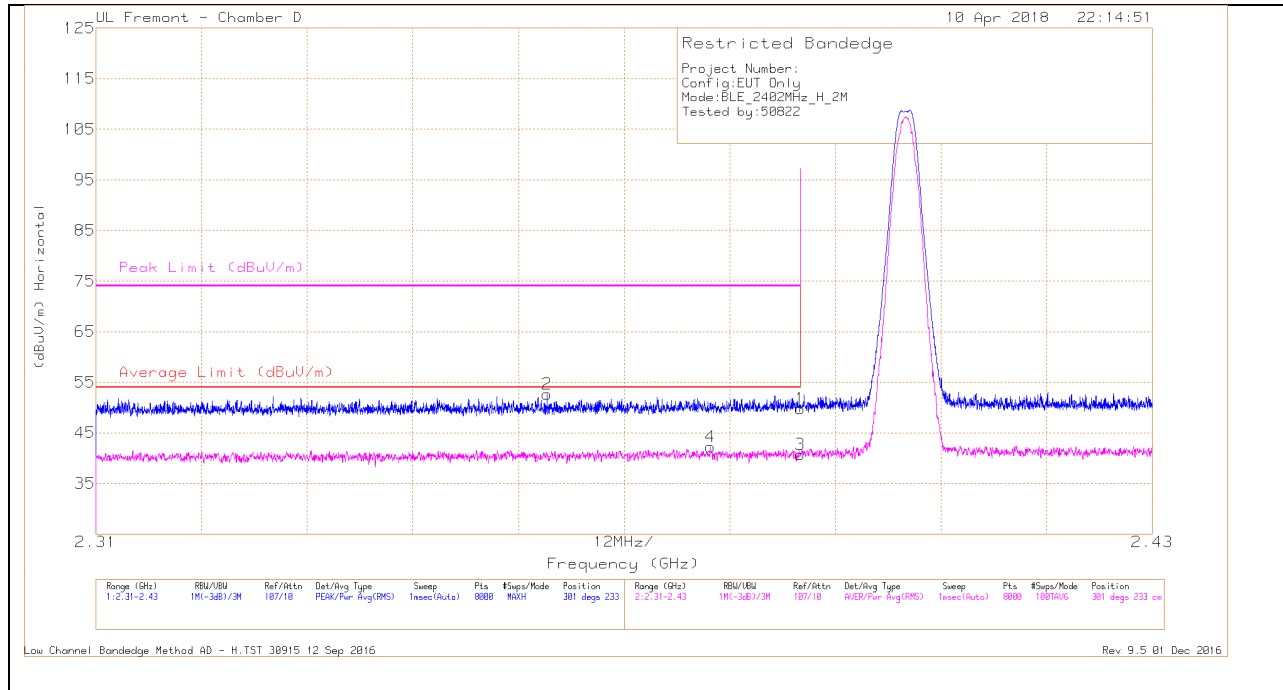
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 MAV1 - KDB558074 Option 1 Maximum RMS Average

## 9.2.2. HIGH POWER BLE (2Mbps)

### ANTENNA 4

### BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT



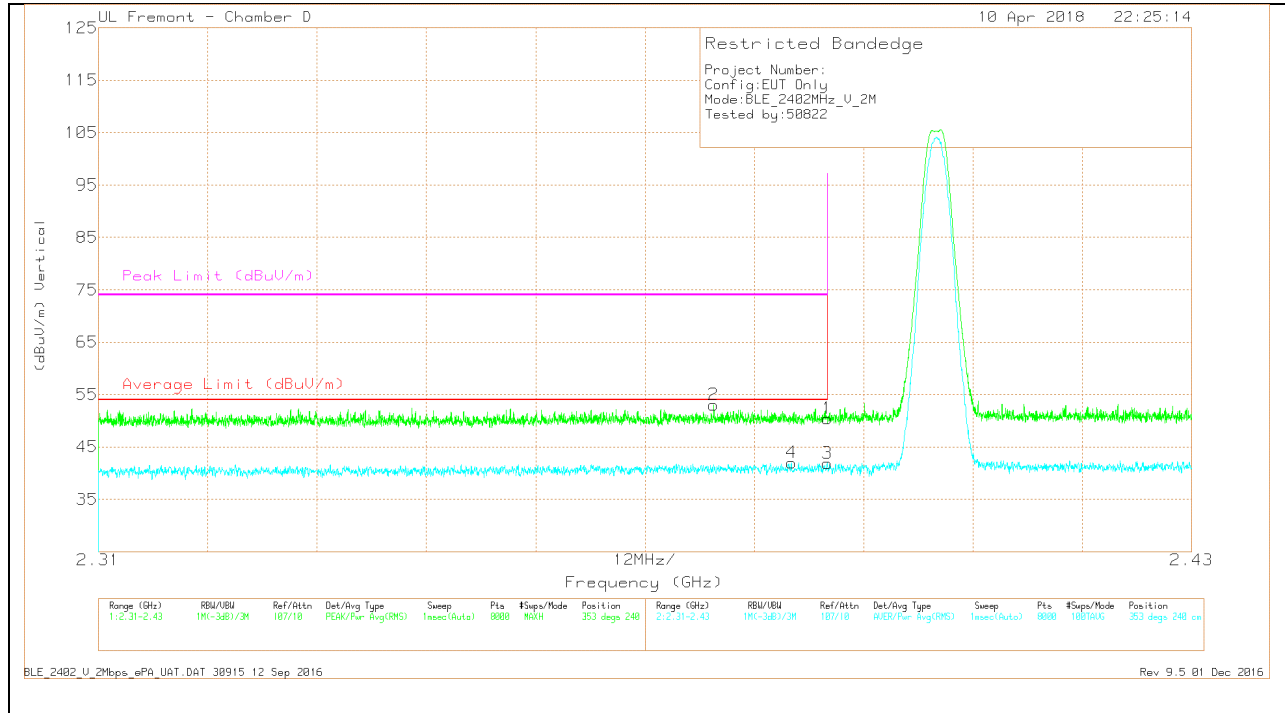
| Marker | Frequen<br>cy<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det | AF T136<br>(dB/m) | Amp/Cbl<br>/Filtr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m<br>) | Average<br>Limit<br>(dBuV/m<br>) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m<br>) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|-----|-------------------|-------------------------------|------------------------------------------|----------------------------------|----------------|-------------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 2.39                 | 38.4                       | Pk  | 31.9              | -20.5                         | 49.8                                     | -                                | -              | 74                            | -24.2                | 301               | 233            | H        |
| 2      | * 2.361                | 41.57                      | Pk  | 31.7              | -20.6                         | 52.67                                    | -                                | -              | 74                            | -21.33               | 301               | 233            | H        |
| 3      | * 2.39                 | 29.32                      | RMS | 31.9              | -20.5                         | 40.72                                    | 54                               | -13.28         | -                             | -                    | 301               | 233            | H        |
| 4      | * 2.38                 | 30.8                       | RMS | 31.8              | -20.4                         | 42.2                                     | 54                               | -11.8          | -                             | -                    | 301               | 233            | 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 T136 (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 |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 2.378         | 41.65                | Pk  | 31.8           | -20.4                   | 53.05                      | -                      | -           | 74                  | -20.95         | 353            | 240         | V        |
| 4      | * 2.386         | 30.58                | RMS | 31.9           | -20.5                   | 41.98                      | 54                     | -12.02      | -                   | -              | 353            | 240         | V        |
| 1      | * 2.39          | 39.07                | Pk  | 31.9           | -20.5                   | 50.47                      | -                      | -           | 74                  | -23.53         | 353            | 240         | V        |
| 3      | * 2.39          | 30.42                | RMS | 31.9           | -20.5                   | 41.82                      | 54                     | -12.18      | -                   | -              | 353            | 240         | V        |

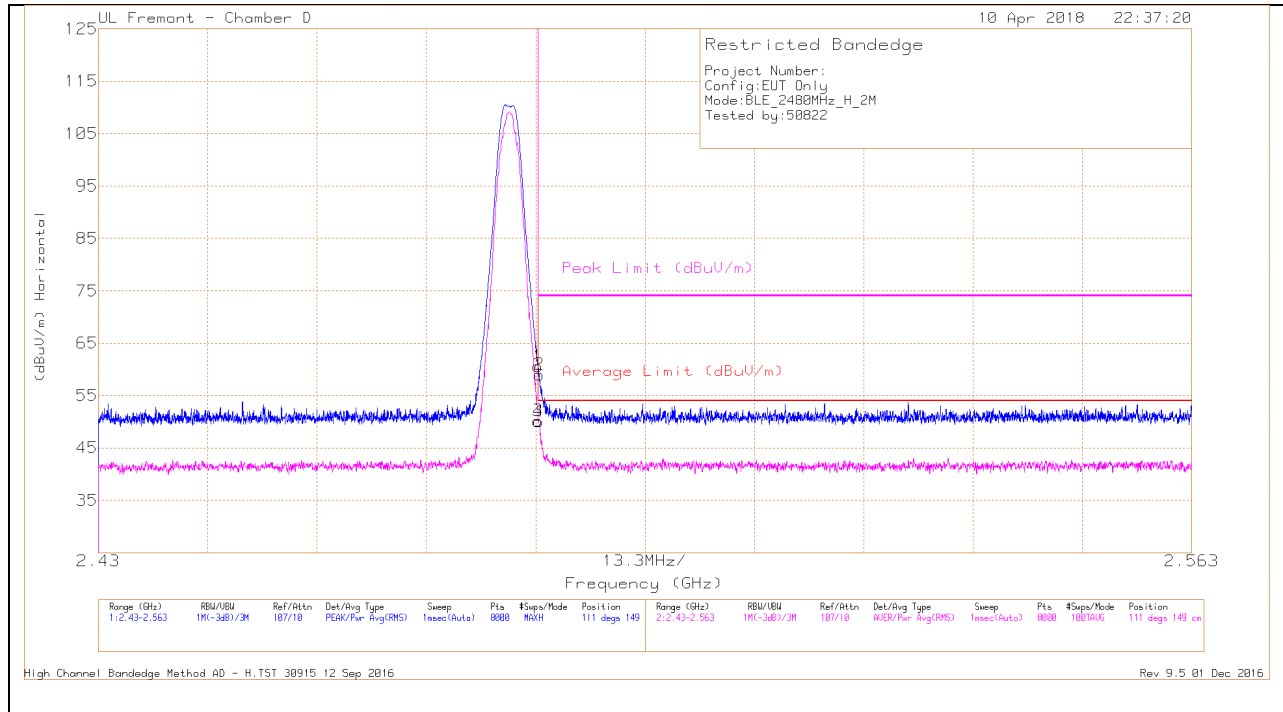
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## BANDEDGE (HIGH CHANNEL)

### HORIZONTAL RESULT



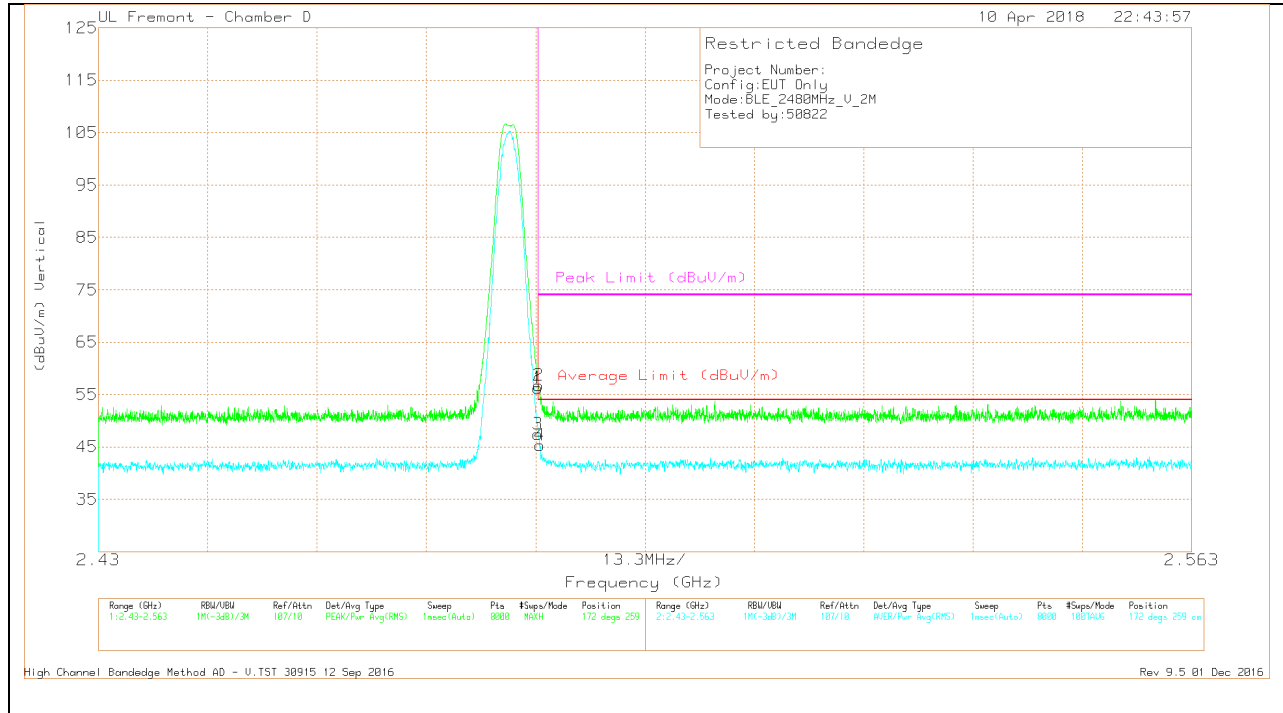
| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det | AF T136<br>(dB/m) | Amp/Cbl<br>/Filtr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m<br>) | Average<br>Limit<br>(dBuV/m<br>) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m<br>) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|-----|-------------------|-------------------------------|------------------------------------------|----------------------------------|----------------|-------------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 2.484                | 48.55                      | Pk  | 32.4              | -20.4                         | 60.55                                    | -                                | -              | 74                            | -13.45               | 111               | 149            | H        |
| 2      | * 2.484                | 47.04                      | Pk  | 32.4              | -20.5                         | 58.94                                    | -                                | -              | 74                            | -15.06               | 111               | 149            | H        |
| 3      | * 2.484                | 38.21                      | RMS | 32.4              | -20.4                         | 50.21                                    | 54                               | -3.79          | -                             | -                    | 111               | 149            | H        |
| 4      | * 2.484                | 38.09                      | RMS | 32.4              | -20.5                         | 49.99                                    | 54                               | -4.01          | -                             | -                    | 111               | 149            | 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 T136 (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         | 44.27                | Pk  | 32.4           | -20.4                   | 56.27                      | -                      | -           | 74                  | -17.73         | 172            | 259         | V        |
| 2      | * 2.484         | 44.87                | Pk  | 32.4           | -20.5                   | 56.77                      | -                      | -           | 74                  | -17.23         | 172            | 259         | V        |
| 3      | * 2.484         | 35.48                | RMS | 32.4           | -20.4                   | 47.48                      | 54                     | -6.52       | -                   | -              | 172            | 259         | V        |
| 4      | * 2.484         | 33.39                | RMS | 32.4           | -20.5                   | 45.29                      | 54                     | -8.71       | -                   | -              | 172            | 259         | V        |

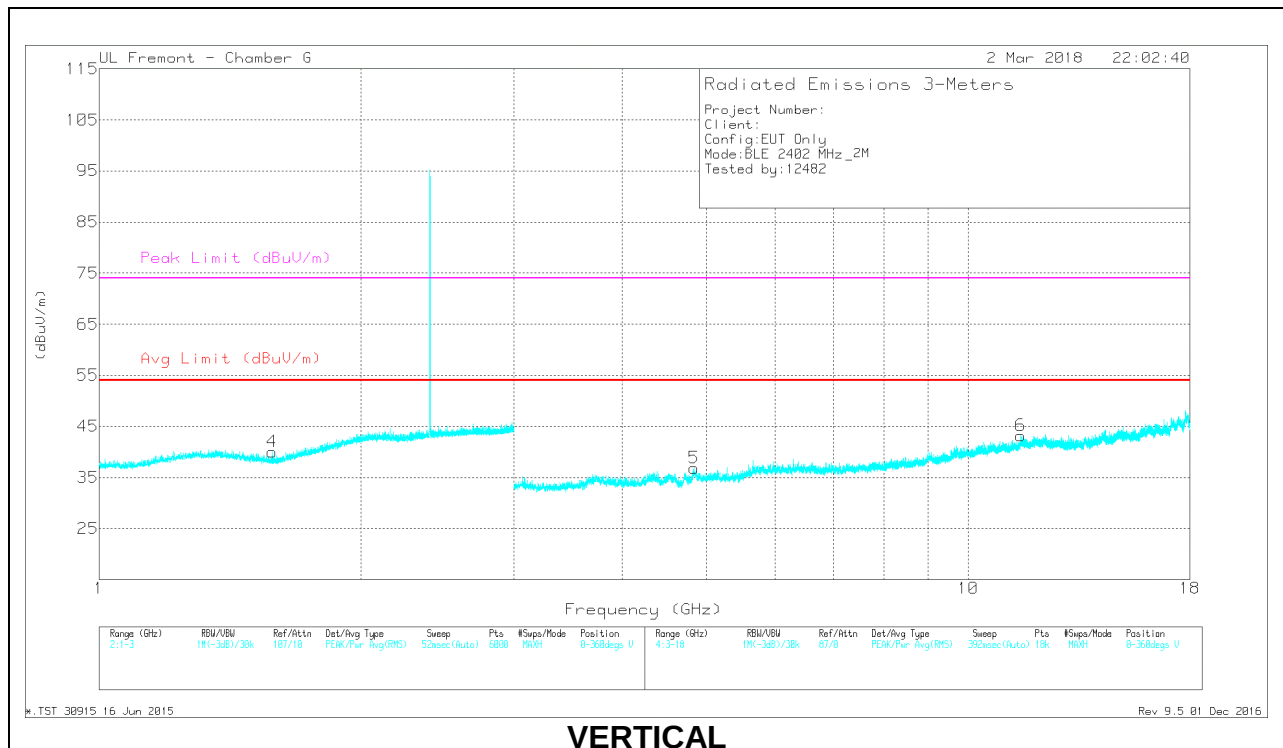
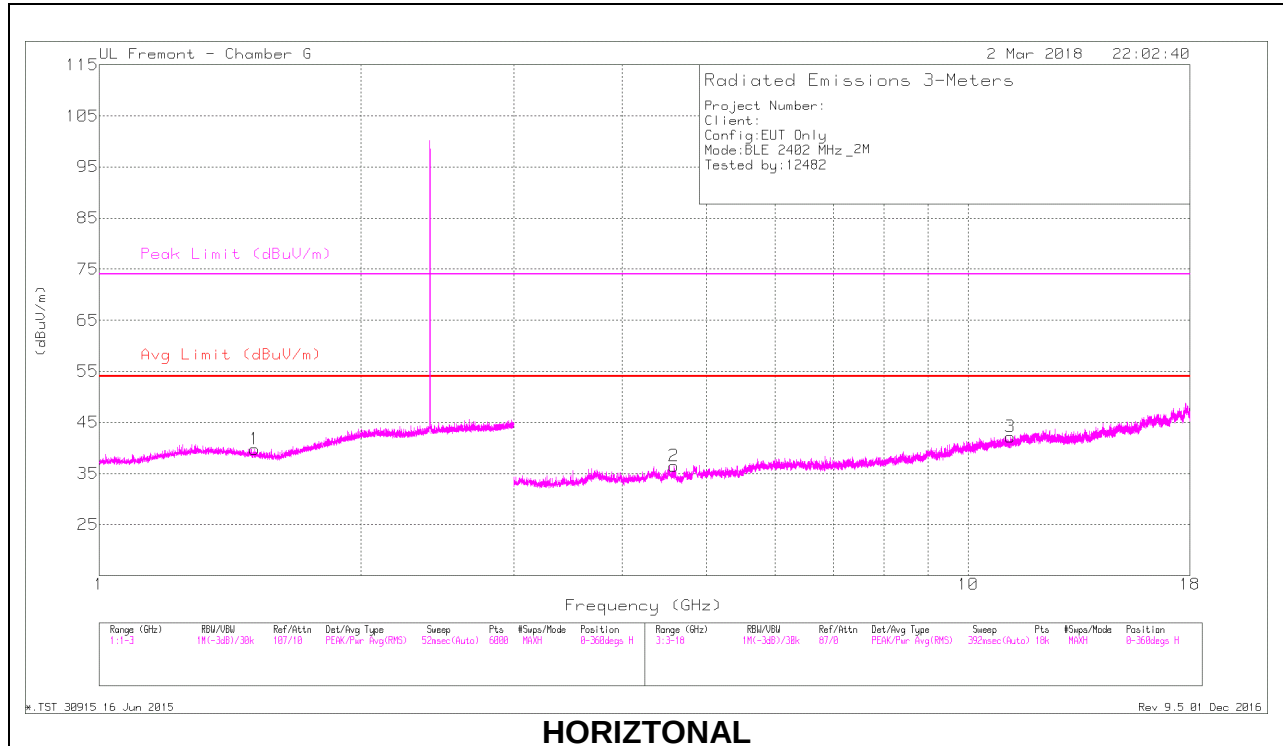
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



## RADIATED EMISSIONS

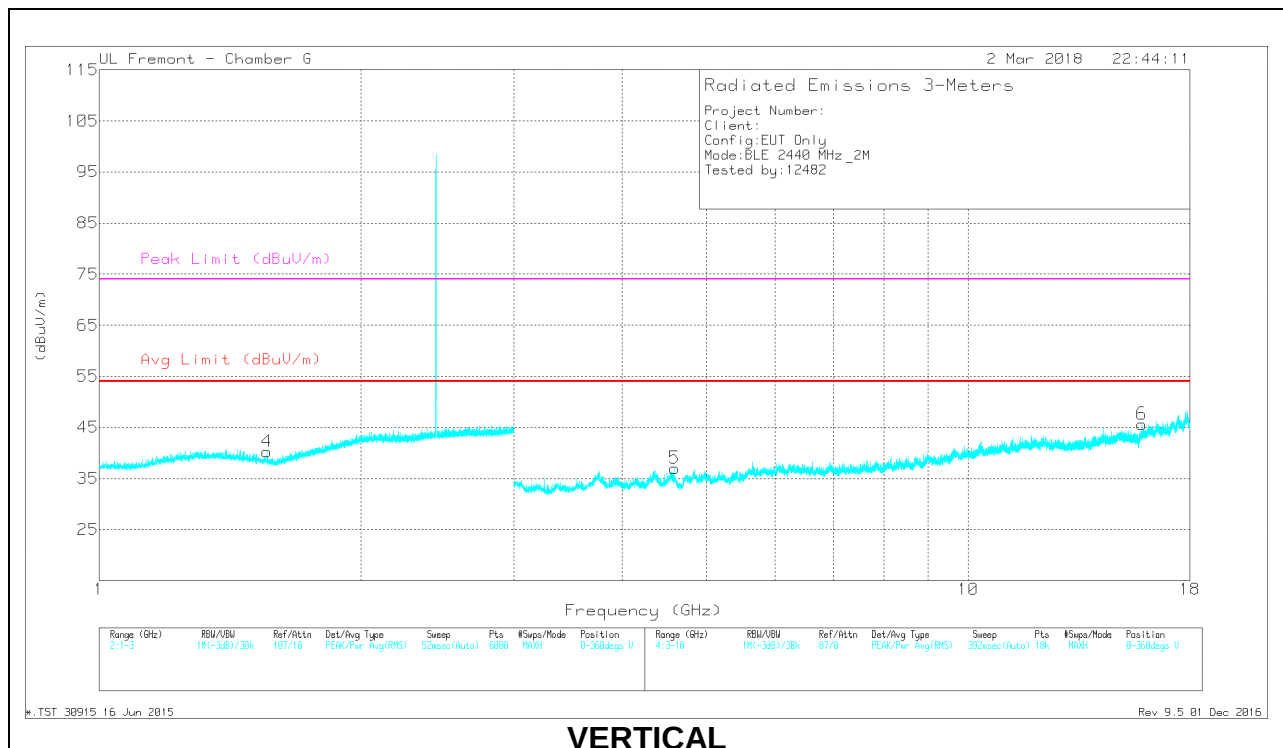
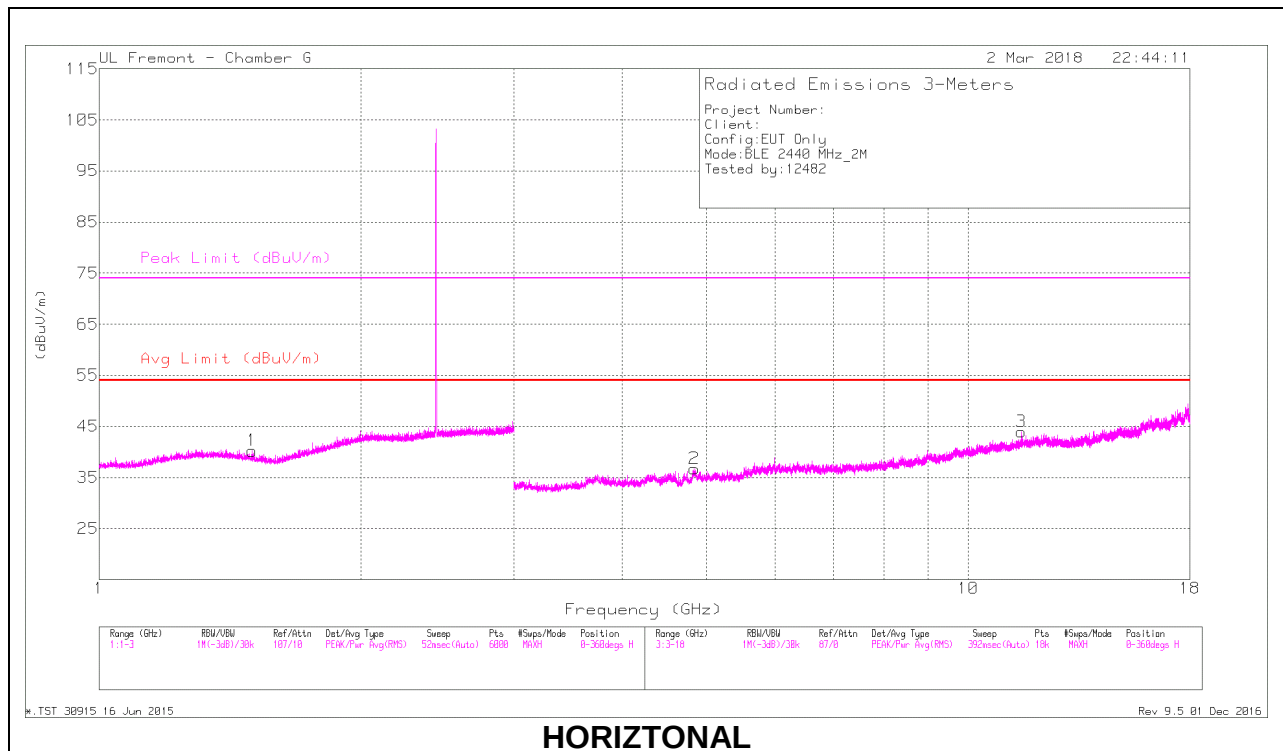
| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T345<br>(dB/m) | Amp/Cbl/<br>Filtr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m) | Avg Limit<br>(dBuV/m) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|------|-------------------|-------------------------------|--------------------------------------|-----------------------|----------------|---------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 1.508                | 43.9                       | PK2  | 28                | -25.1                         | 46.8                                 | -                     | -              | 74                        | -27.2                | 71                | 311            | H        |
|        | * 1.507                | 31.71                      | MAv1 | 28                | -25.1                         | 34.61                                | 54                    | -19.39         | -                         | -                    | 71                | 311            | H        |
| 4      | * 1.582                | 43.83                      | PK2  | 27.5              | -25                           | 46.33                                | -                     | -              | 74                        | -27.67               | 69                | 397            | V        |
|        | * 1.582                | 31.82                      | MAv1 | 27.5              | -25                           | 34.32                                | 54                    | -19.68         | -                         | -                    | 69                | 397            | V        |
| 2      | * 4.588                | 40.09                      | PK2  | 34.2              | -32.2                         | 42.09                                | -                     | -              | 74                        | -31.91               | 22                | 104            | H        |
|        | * 4.59                 | 28.77                      | MAv1 | 34.2              | -32.2                         | 30.77                                | 54                    | -23.23         | -                         | -                    | 22                | 104            | H        |
| 3      | * 11.19                | 36.56                      | PK2  | 38.1              | -26.1                         | 48.56                                | -                     | -              | 74                        | -25.44               | 200               | 337            | H        |
|        | * 11.191               | 24.96                      | MAv1 | 38.1              | -26.1                         | 36.96                                | 54                    | -17.04         | -                         | -                    | 200               | 337            | H        |
| 5      | * 4.836                | 41.66                      | PK2  | 34.1              | -32.2                         | 43.56                                | -                     | -              | 74                        | -30.44               | 257               | 326            | V        |
|        | * 4.836                | 29.94                      | MAv1 | 34.1              | -32.2                         | 31.84                                | 54                    | -22.16         | -                         | -                    | 257               | 326            | V        |
| 6      | * 11.496               | 36.82                      | PK2  | 38.4              | -25.8                         | 49.42                                | -                     | -              | 74                        | -24.58               | 170               | 209            | V        |
|        | * 11.494               | 25.04                      | MAv1 | 38.4              | -25.8                         | 37.64                                | 54                    | -16.36         | -                         | -                    | 170               | 209            | 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 RESULTS



## RADIATED EMISSIONS

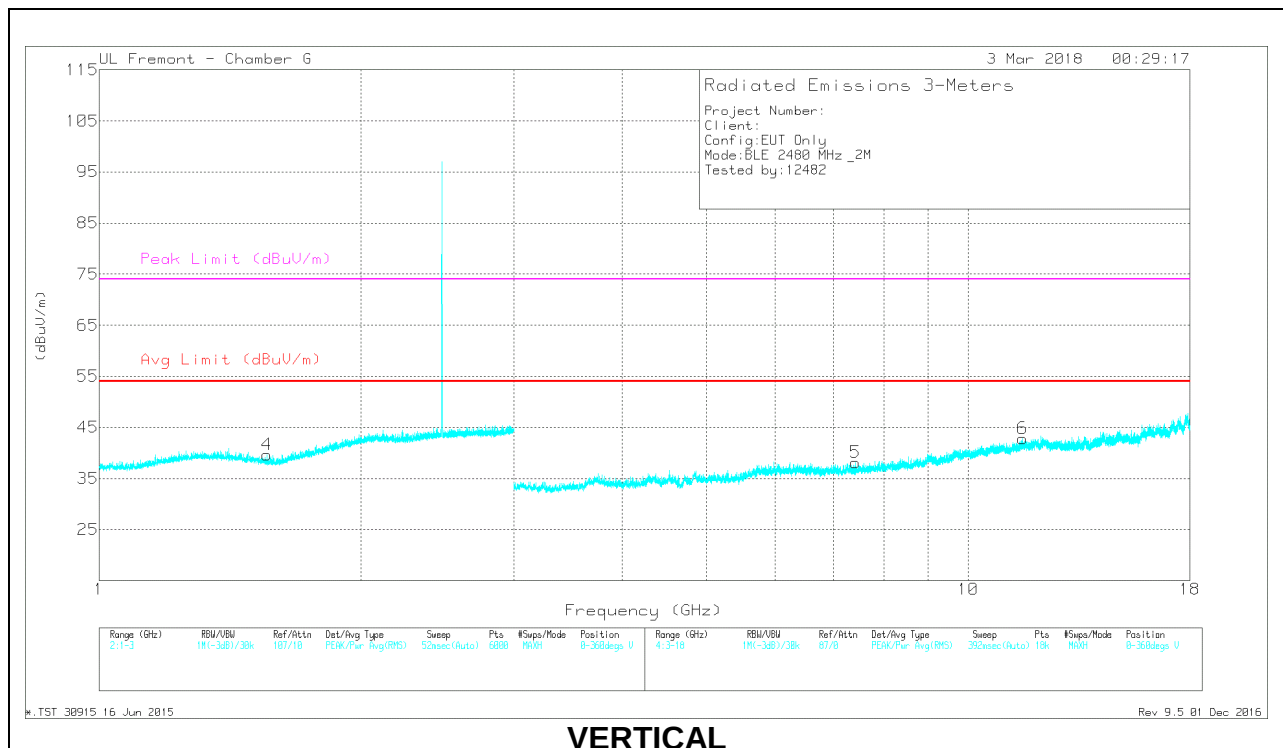
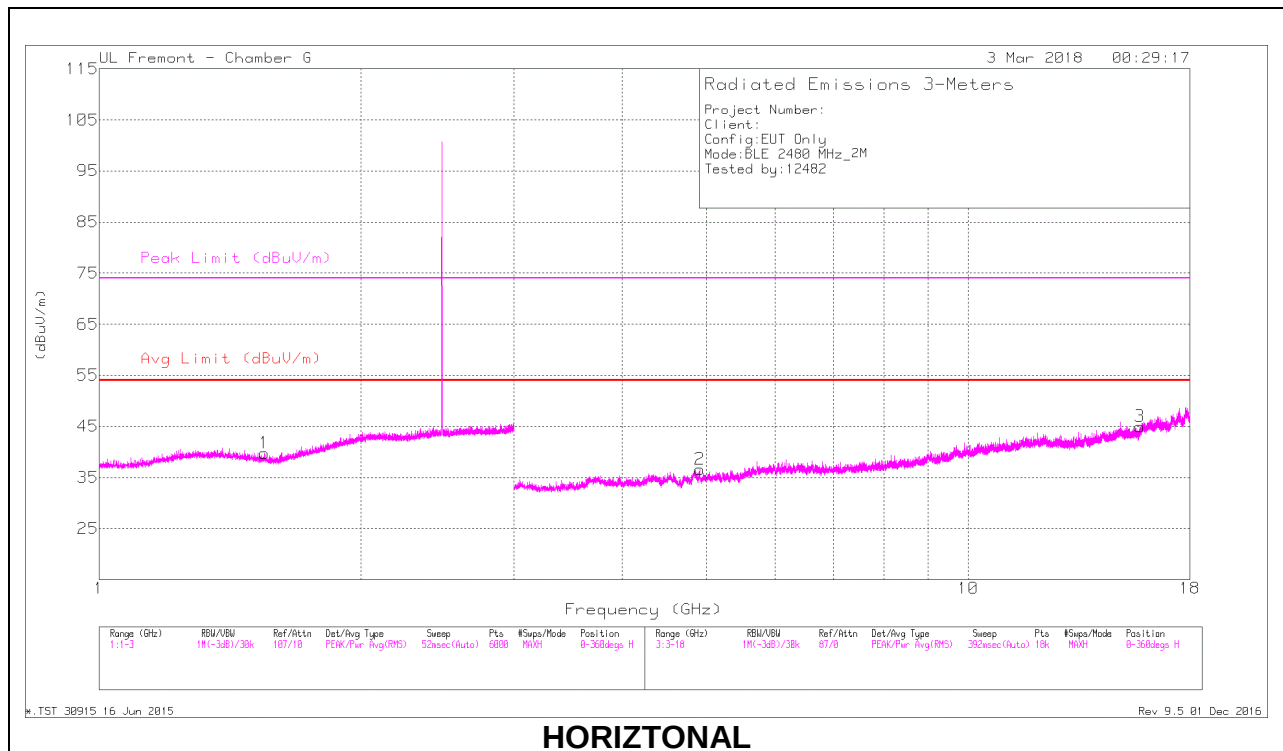
| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T345<br>(dB/m) | Amp/Cbl/<br>Filtr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m) | Avg Limit<br>(dBuV/m) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|------|-------------------|-------------------------------|--------------------------------------|-----------------------|----------------|---------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 1.496                | 43.36                      | PK2  | 28                | -25.1                         | 46.26                                | -                     | -              | 74                        | -27.74               | 287               | 313            | H        |
|        | * 1.499                | 31.78                      | MAv1 | 28                | -25.1                         | 34.68                                | 54                    | -19.32         | -                         | -                    | 287               | 313            | H        |
| 4      | * 1.562                | 43.17                      | PK2  | 27.7              | -25                           | 45.87                                | -                     | -              | 74                        | -28.13               | 46                | 181            | V        |
|        | * 1.562                | 31.4                       | MAv1 | 27.7              | -25                           | 34.1                                 | 54                    | -19.9          | -                         | -                    | 46                | 181            | V        |
| 2      | * 4.841                | 42.36                      | PK2  | 34.1              | -32.2                         | 44.26                                | -                     | -              | 74                        | -29.74               | 55                | 384            | H        |
|        | * 4.842                | 30.51                      | MAv1 | 34.1              | -32.2                         | 32.41                                | 54                    | -21.59         | -                         | -                    | 55                | 384            | H        |
| 3      | * 11.51                | 36.63                      | PK2  | 38.4              | -25.6                         | 49.43                                | -                     | -              | 74                        | -24.57               | 94                | 264            | H        |
|        | * 11.509               | 25.09                      | MAv1 | 38.4              | -25.6                         | 37.89                                | 54                    | -16.11         | -                         | -                    | 94                | 264            | H        |
| 5      | * 4.594                | 41.05                      | PK2  | 34.2              | -32.2                         | 43.05                                | -                     | -              | 74                        | -30.95               | 121               | 252            | V        |
|        | * 4.592                | 29.01                      | MAv1 | 34.2              | -32.2                         | 31.01                                | 54                    | -22.99         | -                         | -                    | 121               | 252            | V        |
| 6      | * 15.861               | 36.55                      | PK2  | 41.8              | -26.4                         | 51.95                                | -                     | -              | 74                        | -22.05               | 79                | 207            | V        |
|        | * 15.86                | 24.74                      | MAv1 | 41.8              | -26.3                         | 40.24                                | 54                    | -13.76         | -                         | -                    | 79                | 207            | 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 RESULTS



## RADIATED EMISSIONS

| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T345<br>(dB/m) | Amp/Cbl/<br>Filtr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m) | Avg Limit<br>(dBuV/m) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|------|-------------------|-------------------------------|--------------------------------------|-----------------------|----------------|---------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 1.549                | 43.44                      | PK2  | 27.7              | -25                           | 46.14                                | -                     | -              | 74                        | -27.86               | 167               | 372            | H        |
|        | * 1.551                | 31.57                      | MAv1 | 27.7              | -25                           | 34.27                                | 54                    | -19.73         | -                         | -                    | 167               | 372            | H        |
| 4      | * 1.558                | 44.15                      | PK2  | 27.7              | -25                           | 46.85                                | -                     | -              | 74                        | -27.15               | 303               | 139            | V        |
|        | * 1.558                | 31.75                      | MAv1 | 27.7              | -25                           | 34.45                                | 54                    | -19.55         | -                         | -                    | 303               | 139            | V        |
| 2      | * 4.916                | 40.04                      | PK2  | 34.1              | -32.1                         | 42.04                                | -                     | -              | 74                        | -31.96               | 217               | 288            | H        |
|        | * 4.916                | 28.59                      | MAv1 | 34.1              | -32.1                         | 30.59                                | 54                    | -23.41         | -                         | -                    | 217               | 288            | H        |
| 3      | * 15.765               | 36.98                      | PK2  | 41.1              | -26.7                         | 51.38                                | -                     | -              | 74                        | -22.62               | 344               | 144            | H        |
|        | * 15.766               | 25.59                      | MAv1 | 41.1              | -26.7                         | 39.99                                | 54                    | -14.01         | -                         | -                    | 344               | 144            | H        |
| 5      | * 7.423                | 39.29                      | PK2  | 35.6              | -30.8                         | 44.09                                | -                     | -              | 74                        | -29.91               | 341               | 321            | V        |
|        | * 7.424                | 27.75                      | MAv1 | 35.6              | -30.8                         | 32.55                                | 54                    | -21.45         | -                         | -                    | 341               | 321            | V        |
| 6      | * 11.564               | 36.31                      | PK2  | 38.5              | -25.3                         | 49.51                                | -                     | -              | 74                        | -24.49               | 277               | 355            | V        |
|        | * 11.564               | 24.58                      | MAv1 | 38.5              | -25.3                         | 37.78                                | 54                    | -16.22         | -                         | -                    | 277               | 355            | V        |

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

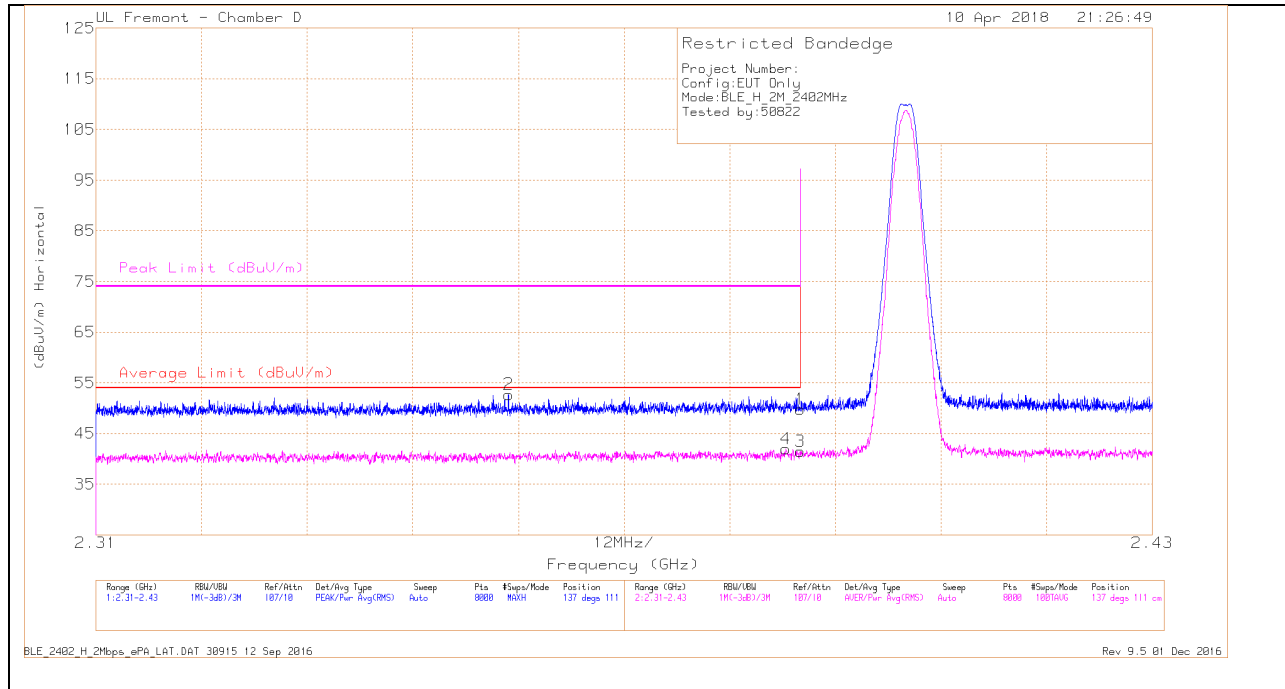
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

## ANTENNA 3

## BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT



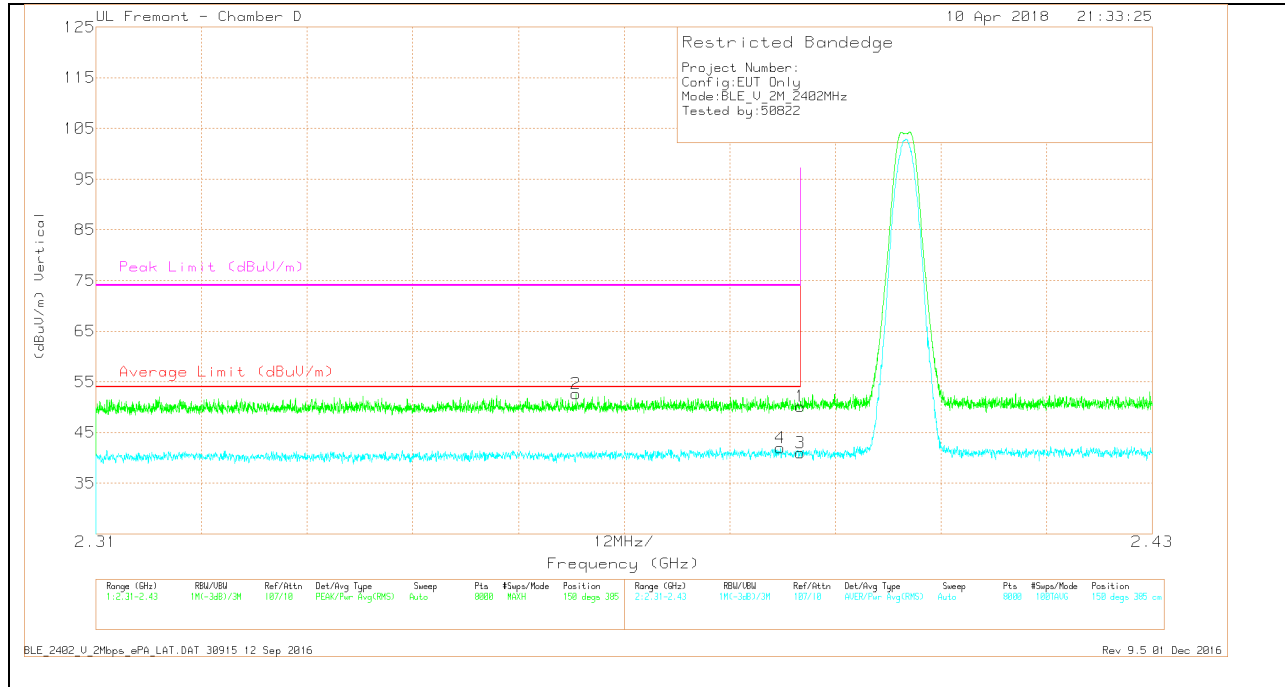
| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det | AF T136<br>(dB/m) | Amp/Cbl<br>/Filtr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m<br>) | Average<br>Limit<br>(dBuV/m<br>) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m<br>) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|-----|-------------------|-------------------------------|------------------------------------------|----------------------------------|----------------|-------------------------------|----------------------|-------------------|----------------|----------|
| 2      | * 2.357                | 41.61                      | Pk  | 31.7              | -20.6                         | 52.71                                    | -                                | -              | 74                            | -21.29               | 137               | 111            | H        |
| 4      | * 2.388                | 30.6                       | RMS | 31.9              | -20.5                         | 42                                       | 54                               | -12            | -                             | -                    | 137               | 111            | H        |
| 1      | * 2.39                 | 38.44                      | Pk  | 31.9              | -20.5                         | 49.84                                    | -                                | -              | 74                            | -24.16               | 137               | 111            | H        |
| 3      | * 2.39                 | 30.07                      | RMS | 31.9              | -20.5                         | 41.47                                    | 54                               | -12.53         | -                             | -                    | 137               | 111            | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequen<br>cy<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det | AF T136<br>(dB/m) | Amp/Cbl<br>/Filtr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m<br>) | Average<br>Limit<br>(dBuV/m<br>) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m<br>) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|-----|-------------------|-------------------------------|------------------------------------------|----------------------------------|----------------|-------------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 2.39                 | 38.75                      | Pk  | 31.9              | -20.5                         | 50.15                                    | -                                | -              | 74                            | -23.85               | 150               | 385            | V        |
| 2      | * 2.365                | 41.4                       | Pk  | 31.7              | -20.5                         | 52.6                                     | -                                | -              | 74                            | -21.4                | 150               | 385            | V        |
| 3      | * 2.39                 | 29.6                       | RMS | 31.9              | -20.5                         | 41                                       | 54                               | -13            | -                             | -                    | 150               | 385            | V        |
| 4      | * 2.388                | 30.57                      | RMS | 31.9              | -20.5                         | 41.97                                    | 54                               | -12.03         | -                             | -                    | 150               | 385            | V        |

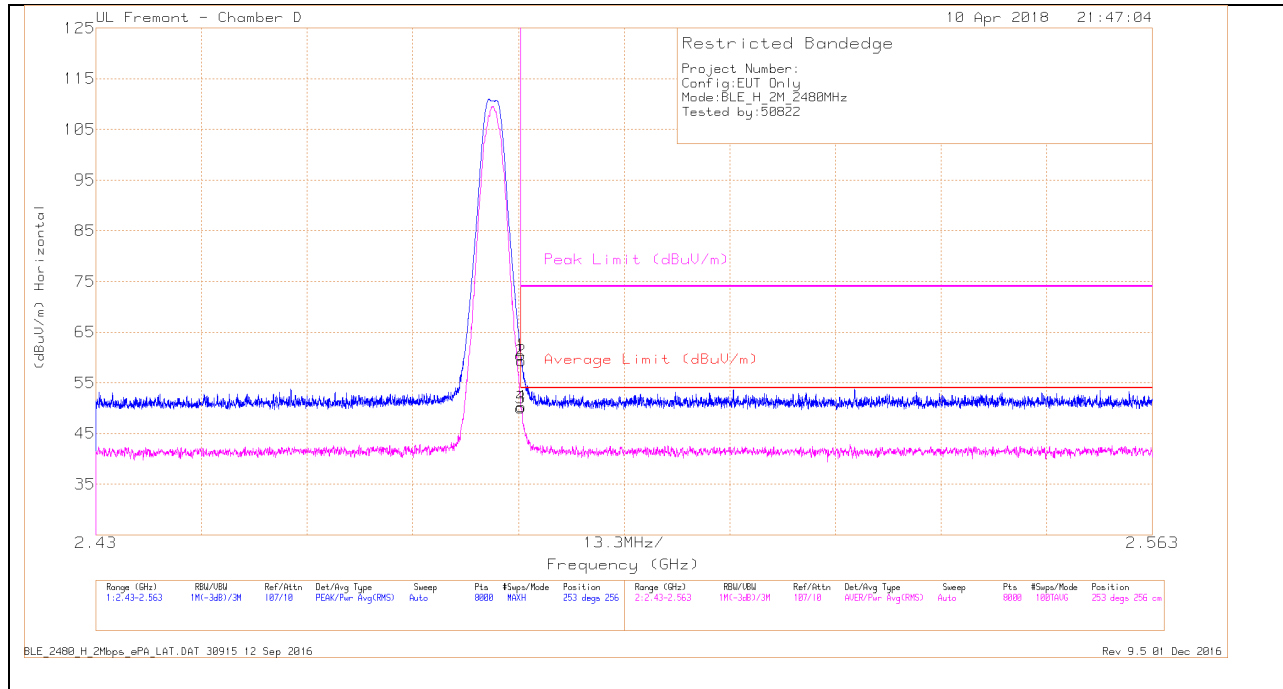
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## BANDEDGE (HIGH CHANNEL)

### HORIZONTAL RESULT



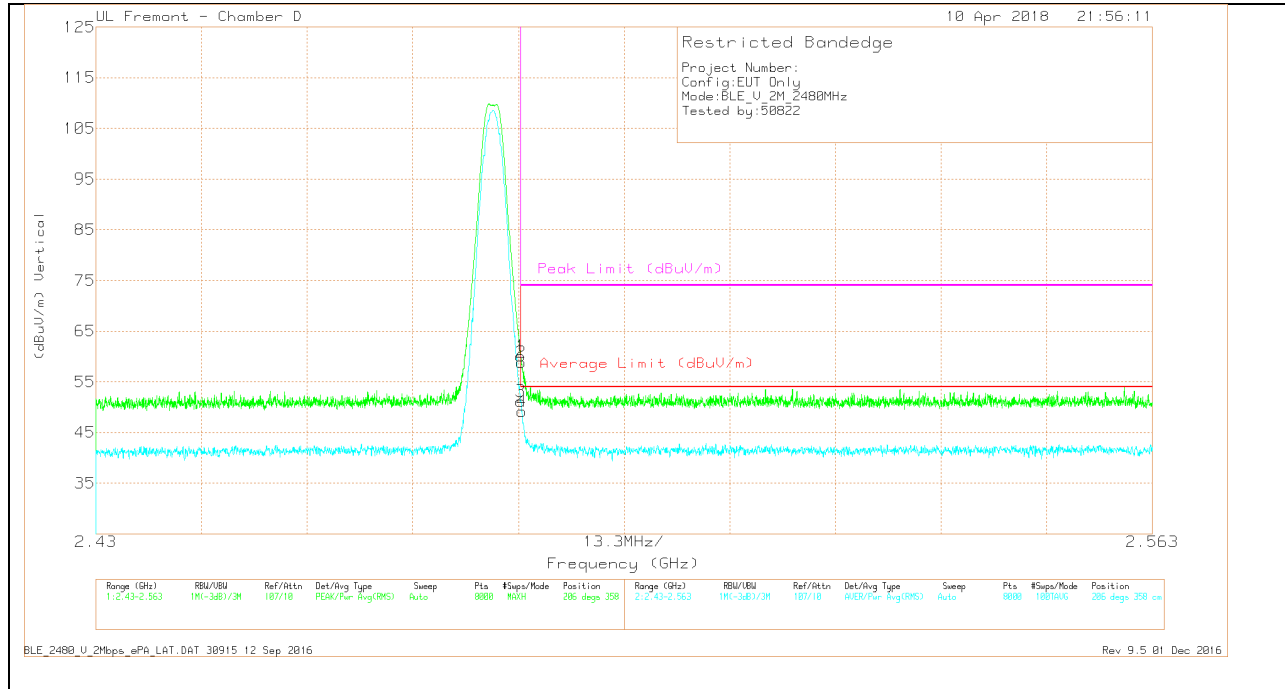
| Marker | Frequen<br>cy<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det | AF T136<br>(dB/m) | Amp/Cbl<br>/Filtr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m<br>) | Average<br>Limit<br>(dBuV/m<br>) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m<br>) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|-----|-------------------|-------------------------------|------------------------------------------|----------------------------------|----------------|-------------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 2.484                | 48.43                      | Pk  | 32.4              | -20.4                         | 60.43                                    | -                                | -              | 74                            | -13.57               | 253               | 256            | H        |
| 2      | * 2.484                | 47.5                       | Pk  | 32.4              | -20.5                         | 59.4                                     | -                                | -              | 74                            | -14.6                | 253               | 256            | H        |
| 3      | * 2.484                | 38.1                       | RMS | 32.4              | -20.4                         | 50.1                                     | 54                               | -3.9           | -                             | -                    | 253               | 256            | H        |
| 4      | * 2.484                | 38.35                      | RMS | 32.4              | -20.5                         | 50.25                                    | 54                               | -3.75          | -                             | -                    | 253               | 256            | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequen<br>cy<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det | AF T136<br>(dB/m) | Amp/Cbl<br>/Filtr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m<br>) | Average<br>Limit<br>(dBuV/m<br>) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m<br>) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|-----|-------------------|-------------------------------|------------------------------------------|----------------------------------|----------------|-------------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 2.484                | 48.05                      | Pk  | 32.4              | -20.4                         | 60.05                                    | -                                | -              | 74                            | -13.95               | 206               | 358            | V        |
| 2      | * 2.484                | 46.95                      | Pk  | 32.4              | -20.5                         | 58.85                                    | -                                | -              | 74                            | -15.15               | 206               | 358            | V        |
| 3      | * 2.484                | 39.22                      | RMS | 32.4              | -20.4                         | 51.22                                    | 54                               | -2.78          | -                             | -                    | 206               | 358            | V        |
| 4      | * 2.484                | 37.29                      | RMS | 32.4              | -20.5                         | 49.19                                    | 54                               | -4.81          | -                             | -                    | 206               | 358            | V        |

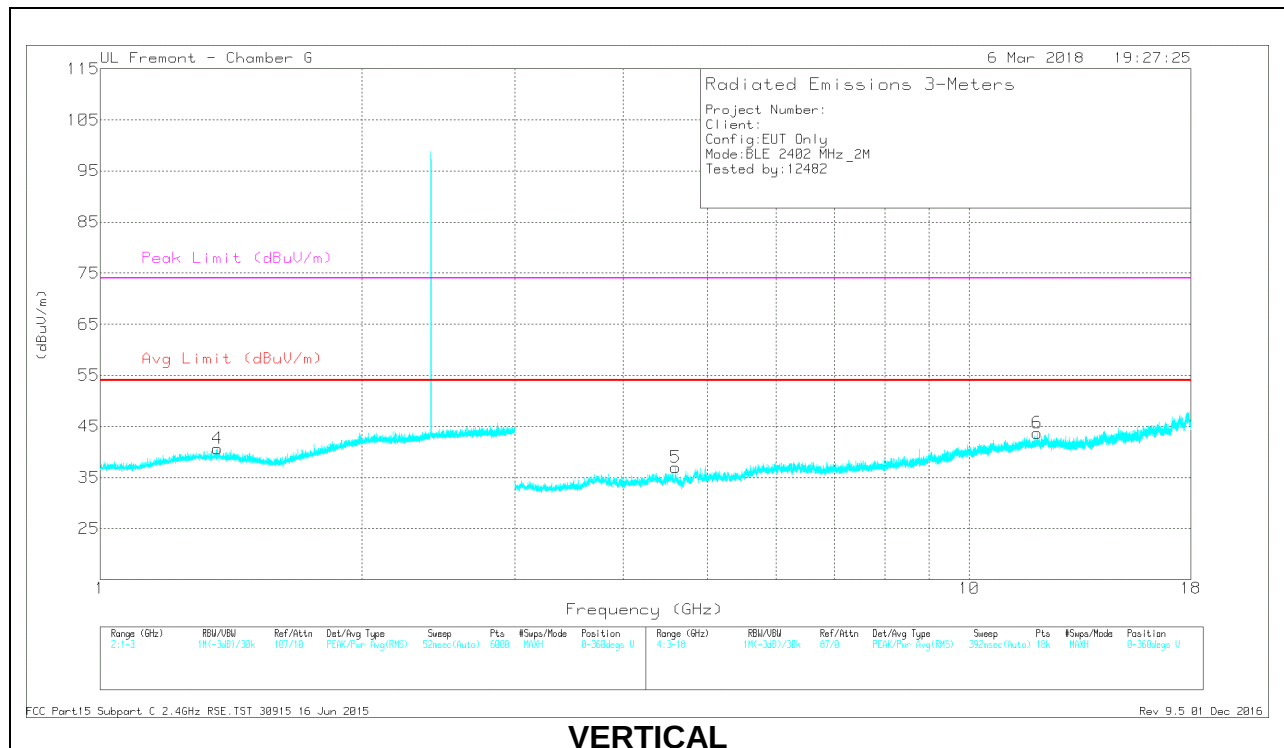
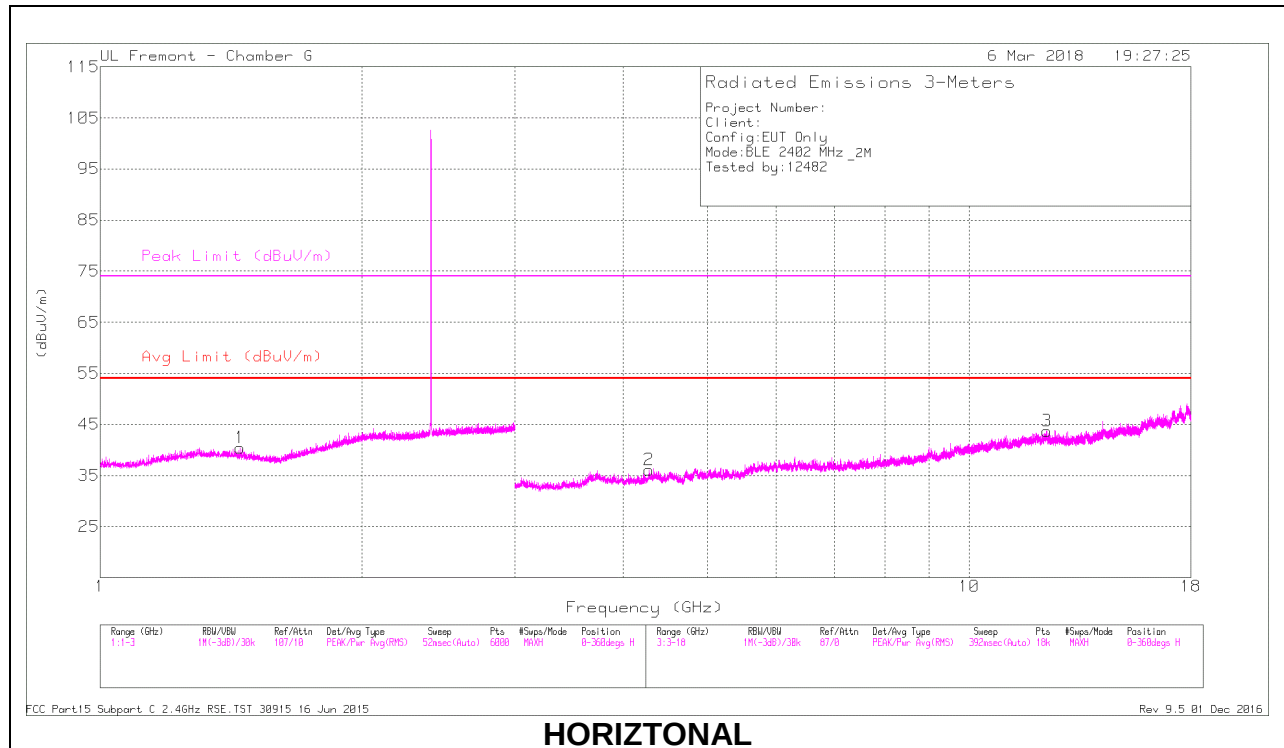
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



## RADIATED EMISSIONS

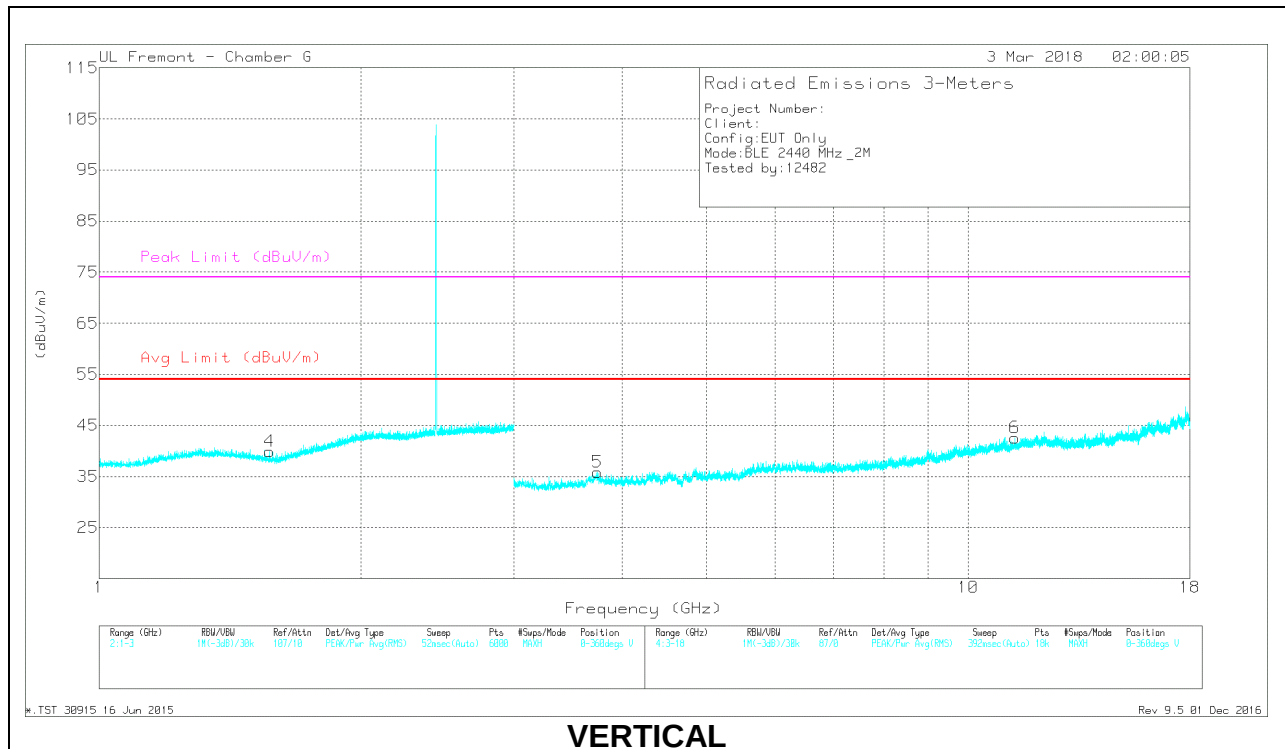
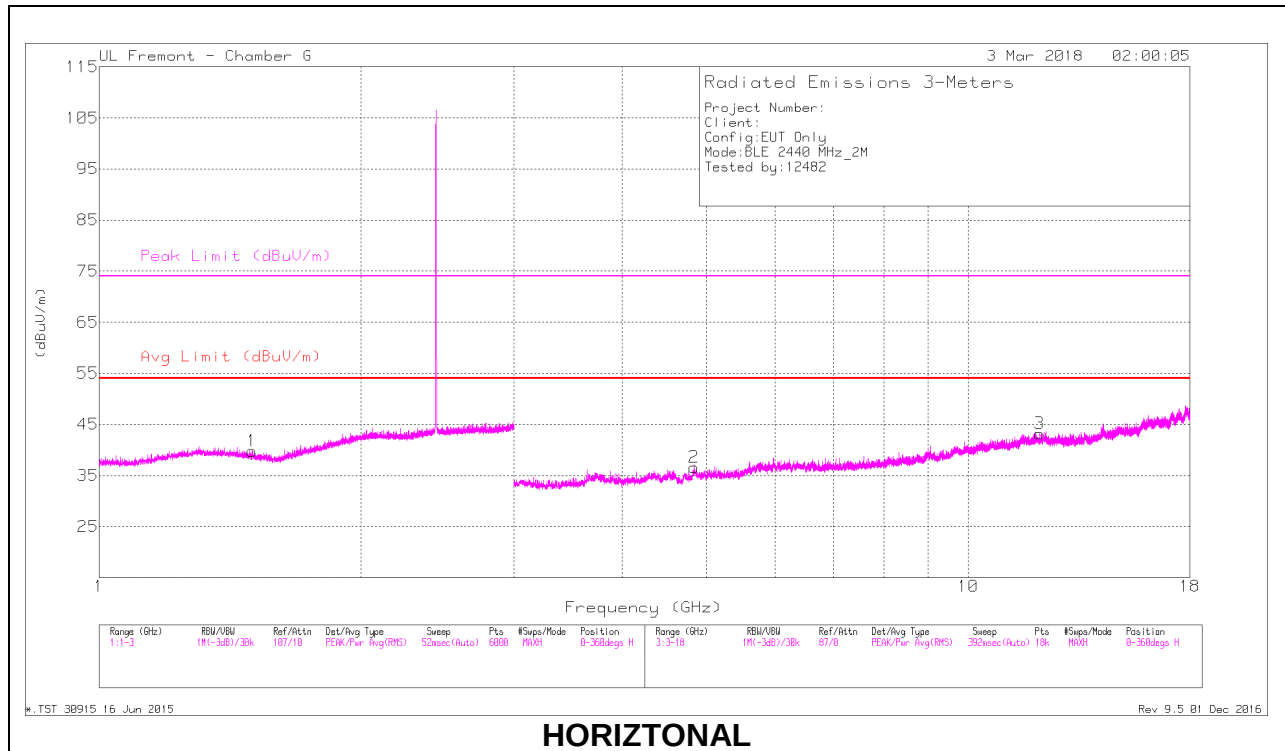
| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T345<br>(dB/m) | Amp/Cbl/<br>Filtr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m) | Avg Limit<br>(dBuV/m) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|------|-------------------|-------------------------------|--------------------------------------|-----------------------|----------------|---------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 1.451                | 43.99                      | PK2  | 28.4              | -25.2                         | 47.19                                | -                     | -              | 74                        | -26.81               | 138               | 154            | H        |
|        | * 1.452                | 31.7                       | MAv1 | 28.3              | -25.2                         | 34.8                                 | 54                    | -19.2          | -                         | -                    | 138               | 154            | H        |
| 4      | * 1.364                | 44.06                      | PK2  | 28.8              | -25.4                         | 47.46                                | -                     | -              | 74                        | -26.54               | 356               | 198            | V        |
|        | * 1.362                | 31.89                      | MAv1 | 28.8              | -25.4                         | 35.29                                | 54                    | -18.71         | -                         | -                    | 356               | 198            | V        |
| 2      | * 4.283                | 40.45                      | PK2  | 33.8              | -31.7                         | 42.55                                | -                     | -              | 74                        | -31.45               | 150               | 274            | H        |
|        | * 4.283                | 28.83                      | MAv1 | 33.8              | -31.7                         | 30.93                                | 54                    | -23.07         | -                         | -                    | 150               | 274            | H        |
| 3      | * 12.287               | 36.89                      | PK2  | 38.7              | -25.1                         | 50.49                                | -                     | -              | 74                        | -23.51               | 187               | 367            | H        |
|        | * 12.287               | 25.05                      | MAv1 | 38.7              | -25.1                         | 38.65                                | 54                    | -15.35         | -                         | -                    | 187               | 367            | H        |
| 5      | * 4.594                | 40.29                      | PK2  | 34.2              | -32.2                         | 42.29                                | -                     | -              | 74                        | -31.71               | 247               | 312            | V        |
|        | * 4.595                | 28.89                      | MAv1 | 34.2              | -32.2                         | 30.89                                | 54                    | -23.11         | -                         | -                    | 247               | 312            | V        |
| 6      | * 11.973               | 35.84                      | PK2  | 38.7              | -24.8                         | 49.74                                | -                     | -              | 74                        | -24.26               | 15                | 375            | V        |
|        | * 11.97                | 24.28                      | MAv1 | 38.7              | -24.8                         | 38.18                                | 54                    | -15.82         | -                         | -                    | 15                | 375            | 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 RESULTS



## RADIATED EMISSIONS

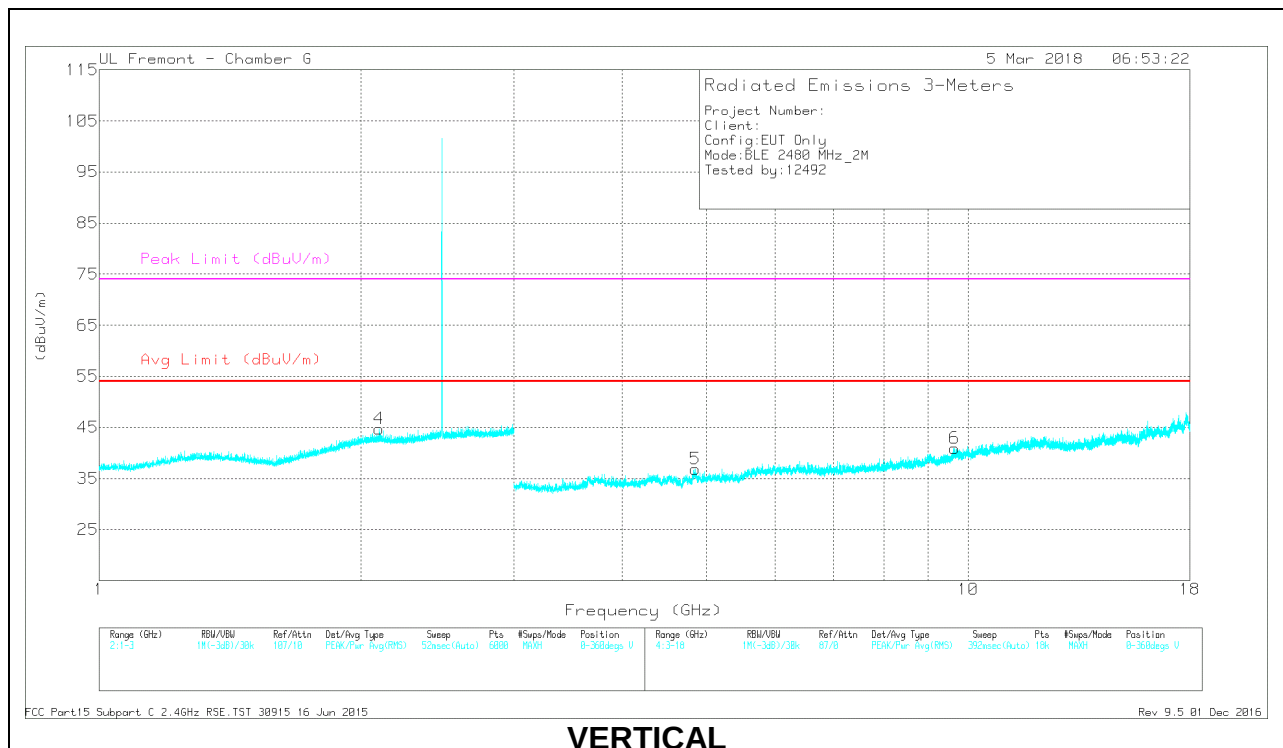
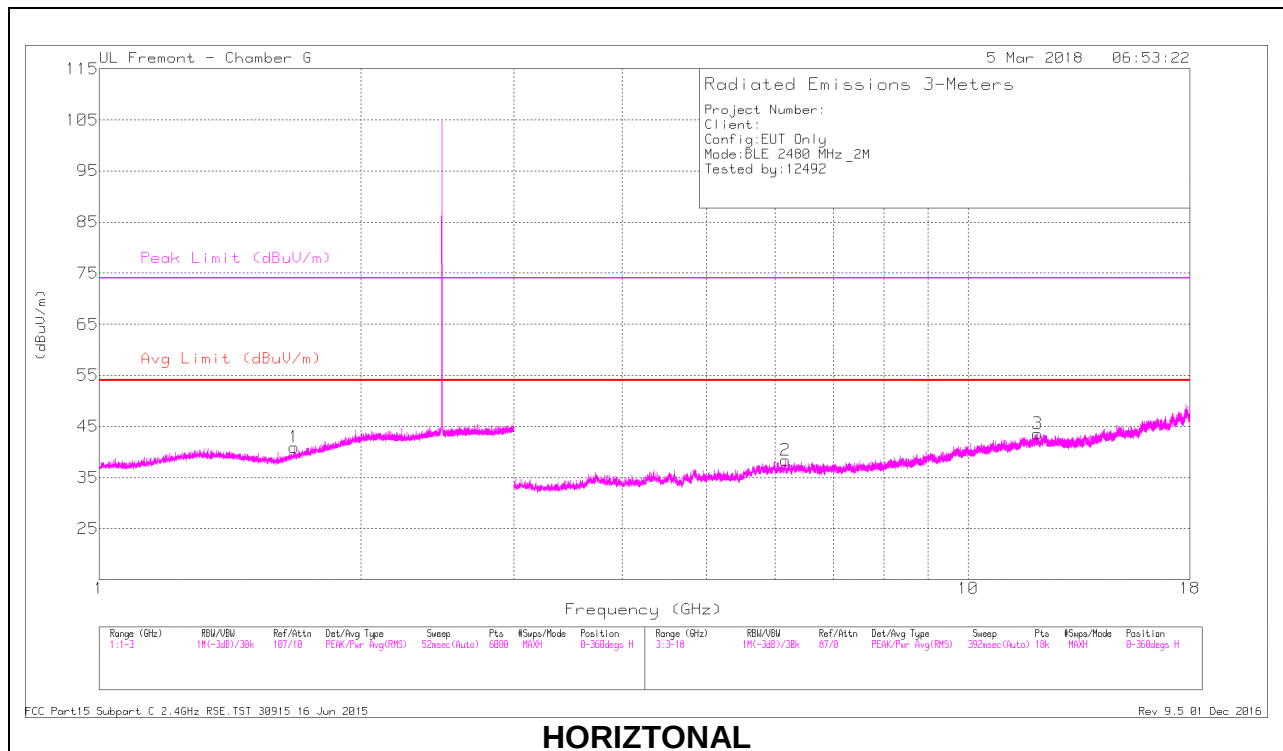
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T345 (dB/m) | Amp/Cbl/ Filt/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.498         | 43.95                | PK2  | 28             | -25.1                  | 46.85                      | -                  | -           | 74                  | -27.15         | 270            | 317         | H        |
|        | * 1.501         | 31.7                 | MAv1 | 28             | -25.1                  | 34.6                       | 54                 | -19.4       | -                   | -              | 270            | 317         | H        |
| 4      | * 1.568         | 43.4                 | PK2  | 27.6           | -25                    | 46                         | -                  | -           | 74                  | -28            | 259            | 115         | V        |
|        | * 1.57          | 31.59                | MAv1 | 27.6           | -25                    | 34.19                      | 54                 | -19.81      | -                   | -              | 259            | 115         | V        |
| 2      | * 4.834         | 42.05                | PK2  | 34.1           | -32.2                  | 43.95                      | -                  | -           | 74                  | -30.05         | 325            | 318         | H        |
|        | * 4.837         | 31.08                | MAv1 | 34.1           | -32.2                  | 32.98                      | 54                 | -21.02      | -                   | -              | 325            | 318         | H        |
| 3      | * 12.075        | 36.77                | PK2  | 38.6           | -26                    | 49.37                      | -                  | -           | 74                  | -24.63         | 102            | 213         | H        |
|        | * 12.076        | 25.95                | MAv1 | 38.6           | -26                    | 38.55                      | 54                 | -15.45      | -                   | -              | 102            | 213         | H        |
| 5      | * 3.742         | 41.98                | PK2  | 33.3           | -31.2                  | 44.08                      | -                  | -           | 74                  | -29.92         | 89             | 306         | V        |
|        | * 3.743         | 30                   | MAv1 | 33.3           | -31.3                  | 32                         | 54                 | -22         | -                   | -              | 89             | 306         | V        |
| 6      | * 11.322        | 36.21                | PK2  | 38.1           | -25.2                  | 49.11                      | -                  | -           | 74                  | -24.89         | 78             | 177         | V        |
|        | * 11.321        | 24.45                | MAv1 | 38.1           | -25.2                  | 37.35                      | 54                 | -16.65      | -                   | -              | 78             | 177         | 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 RESULTS



## RADIATED EMISSIONS

| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T345<br>(dB/m) | Amp/Cbl/<br>Filtr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m) | Avg Limit<br>(dBuV/m) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|------|-------------------|-------------------------------|--------------------------------------|-----------------------|----------------|---------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 1.675                | 43.33                      | PK2  | 28.4              | -24.9                         | 46.83                                | -                     | -              | 74                        | -27.17               | 237               | 305            | H        |
|        | * 1.675                | 31.69                      | MAv1 | 28.4              | -24.9                         | 35.19                                | 54                    | -18.81         | -                         | -                    | 237               | 305            | H        |
| 3      | * 12.019               | 36.32                      | PK2  | 38.7              | -25.3                         | 49.72                                | -                     | -              | 74                        | -24.28               | 123               | 178            | H        |
|        | * 12.02                | 25.01                      | MAv1 | 38.7              | -25.3                         | 38.41                                | 54                    | -15.59         | -                         | -                    | 123               | 178            | H        |
| 5      | * 4.856                | 41.03                      | PK2  | 34.1              | -32.2                         | 42.93                                | -                     | -              | 74                        | -31.07               | 256               | 191            | V        |
|        | * 4.854                | 29.37                      | MAv1 | 34.1              | -32.2                         | 31.27                                | 54                    | -22.73         | -                         | -                    | 256               | 191            | V        |
| 4      | 2.1                    | 43.12                      | PK2  | 31.9              | -24.5                         | 50.52                                | -                     | -              | -                         | -                    | 94                | 304            | V        |
| 2      | 6.164                  | 41.05                      | PK2  | 35.5              | -31.9                         | 44.65                                | -                     | -              | -                         | -                    | 47                | 388            | H        |
| 6      | 9.652                  | 37.68                      | PK2  | 37.1              | -27                           | 47.78                                | -                     | -              | -                         | -                    | 348               | 214            | V        |

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

PK2 - KDB558074 Method: Maximum Peak

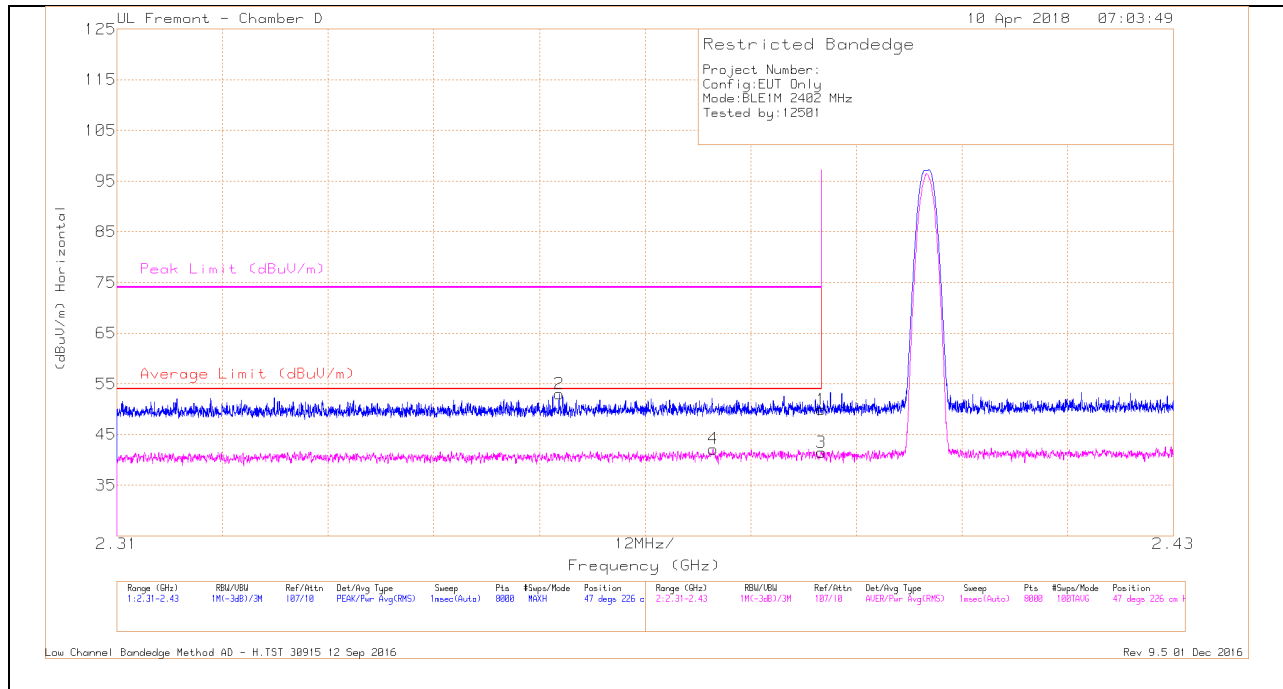
MAv1 - KDB558074 Option 1 Maximum RMS Average

### 9.2.3. LOW POWER BLE (1Mbps)

#### ANTENNA 4

#### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT



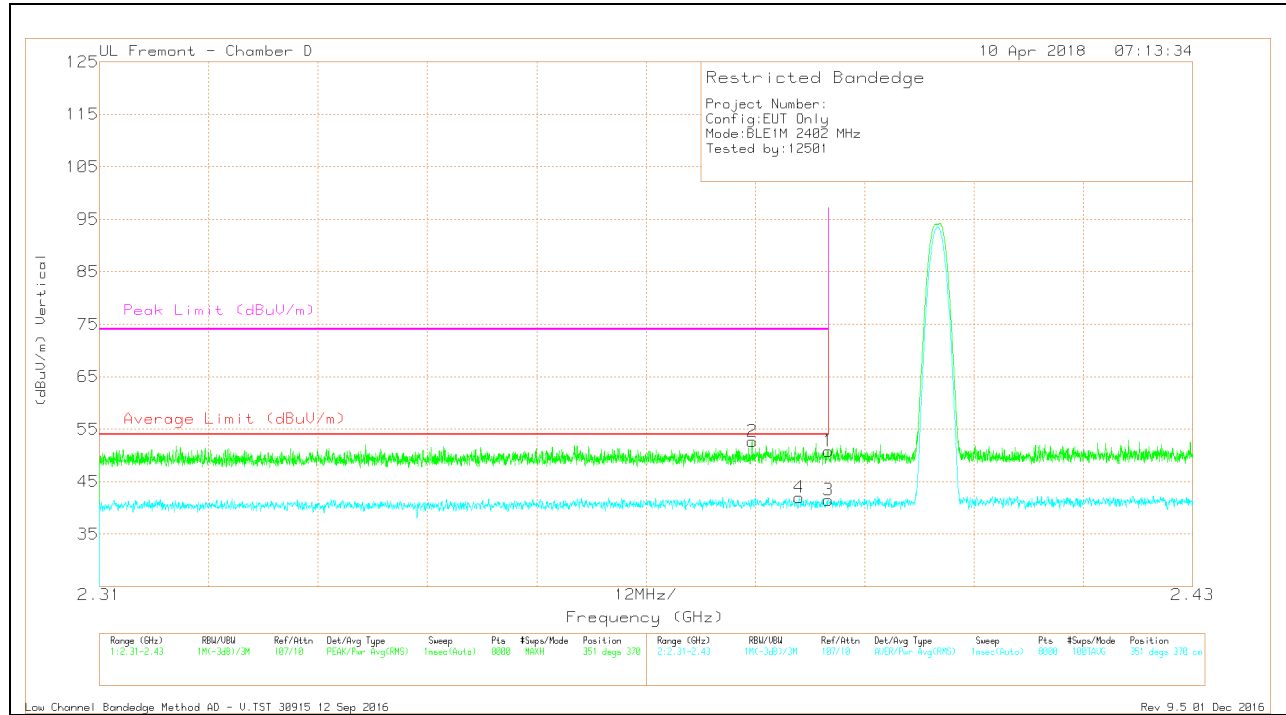
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/Cbl /Ftr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 38.56                | Pk  | 31.9           | -20.5                  | 49.96                      | -                      | -           | 74                  | -24.04         | 47             | 226         | H        |
| 2      | * 2.36          | 41.87                | Pk  | 31.7           | -20.6                  | 52.97                      | -                      | -           | 74                  | -21.03         | 47             | 226         | H        |
| 3      | * 2.39          | 30.05                | RMS | 31.9           | -20.5                  | 41.45                      | 54                     | -12.55      | -                   | -              | 47             | 226         | H        |
| 4      | * 2.378         | 30.76                | RMS | 31.8           | -20.4                  | 42.16                      | 54                     | -11.84      | -                   | -              | 47             | 226         | 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 T136 (dB/m) | Amp/Cbl /Ftr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 2.382         | 41.31                | Pk  | 31.8           | -20.5                 | 52.61                      | -                      | -           | 74                  | -21.39         | 351            | 370         | V        |
| 4      | * 2.387         | 30.55                | RMS | 31.9           | -20.5                 | 41.95                      | 54                     | -12.05      | -                   | -              | 351            | 370         | V        |
| 1      | * 2.39          | 39.37                | Pk  | 31.9           | -20.5                 | 50.77                      | -                      | -           | 74                  | -23.23         | 351            | 370         | V        |
| 3      | * 2.39          | 30.04                | RMS | 31.9           | -20.5                 | 41.44                      | 54                     | -12.56      | -                   | -              | 351            | 370         | V        |

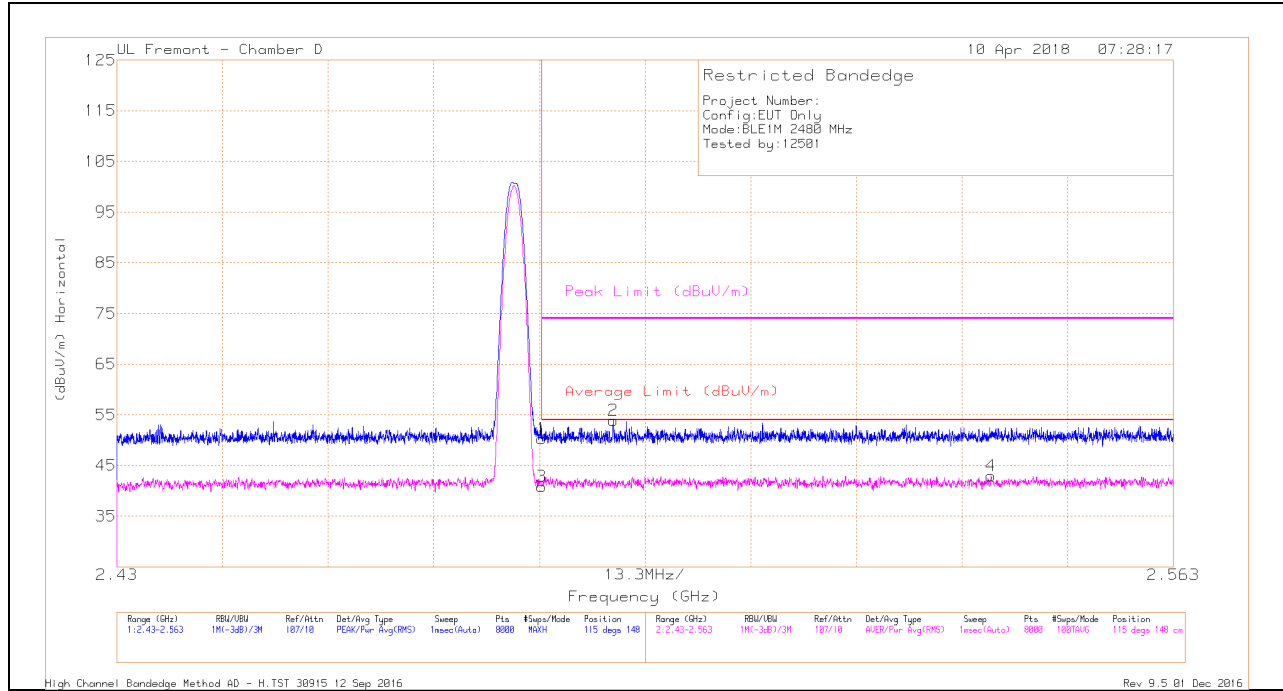
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## BANDEDGE (HIGH CHANNEL)

### HORIZONTAL RESULT



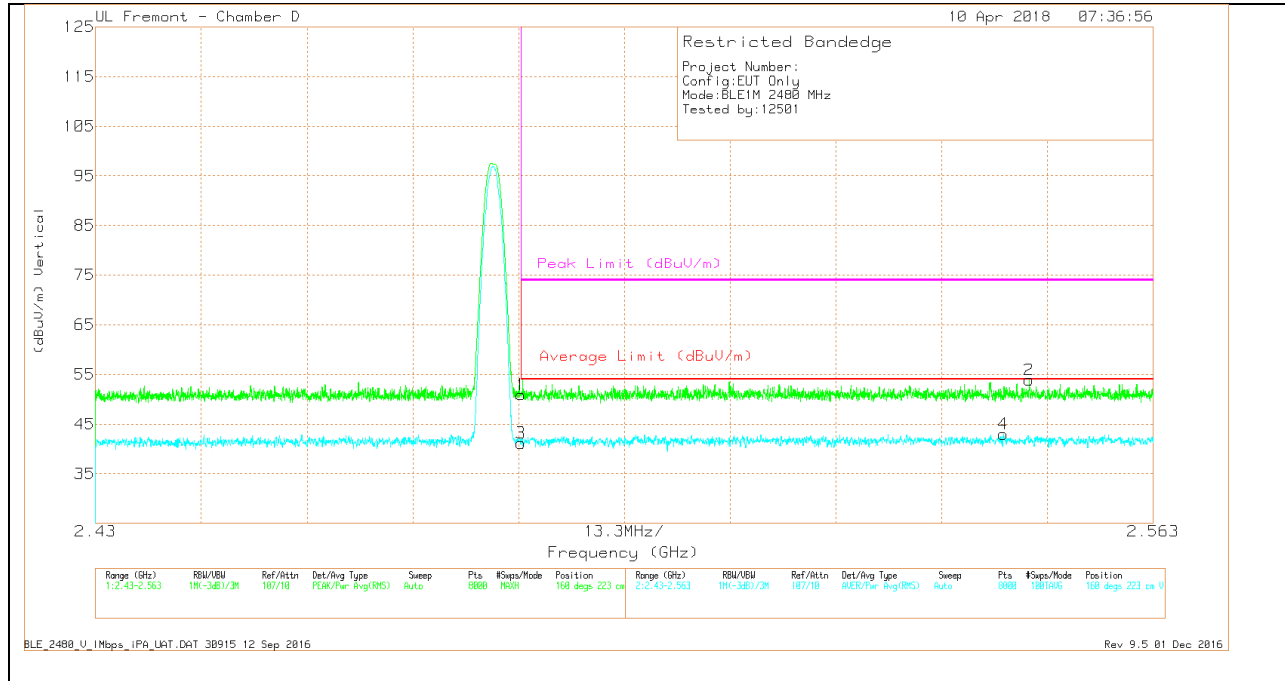
| Marker | Frequen<br>cy<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det | AF T136<br>(dB/m) | Amp/Cbl<br>/Fitr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m<br>) | Average<br>Limit<br>(dBuV/m<br>) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m<br>) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|-----|-------------------|------------------------------|------------------------------------------|----------------------------------|----------------|-------------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 2.484                | 38.34                      | Pk  | 32.4              | -20.4                        | 50.34                                    | -                                | -              | 74                            | -23.66               | 115               | 148            | H        |
| 2      | * 2.492                | 42.02                      | Pk  | 32.4              | -20.5                        | 53.92                                    | -                                | -              | 74                            | -20.08               | 115               | 148            | H        |
| 3      | * 2.484                | 28.82                      | RMS | 32.4              | -20.4                        | 40.82                                    | 54                               | -13.18         | -                             | -                    | 115               | 148            | H        |
| 4      | 2.54                   | 30.82                      | RMS | 32.4              | -20.3                        | 42.92                                    | 54                               | -11.08         | -                             | -                    | 115               | 148            | 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 T136 (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         | 38.92                | Pk  | 32.4           | -20.4                   | 50.92                      | -                      | -           | 74                  | -23.08         | 160            | 223         | V        |
| 3      | * 2.484         | 29.13                | RMS | 32.4           | -20.4                   | 41.13                      | 54                     | -12.87      | -                   | -              | 160            | 223         | V        |
| 4      | 2.544           | 30.87                | RMS | 32.4           | -20.3                   | 42.97                      | 54                     | -11.03      | -                   | -              | 160            | 223         | V        |
| 2      | 2.547           | 41.79                | Pk  | 32.4           | -20.3                   | 53.89                      | -                      | -           | 74                  | -20.11         | 160            | 223         | V        |

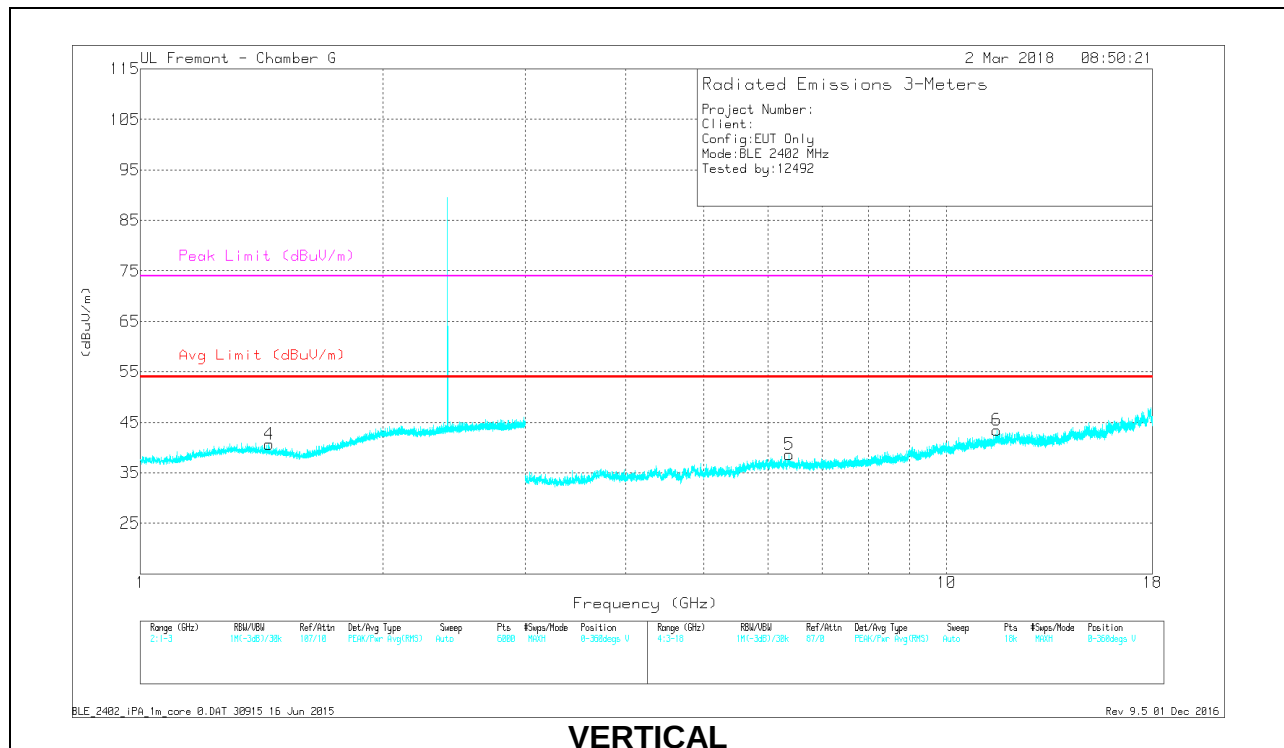
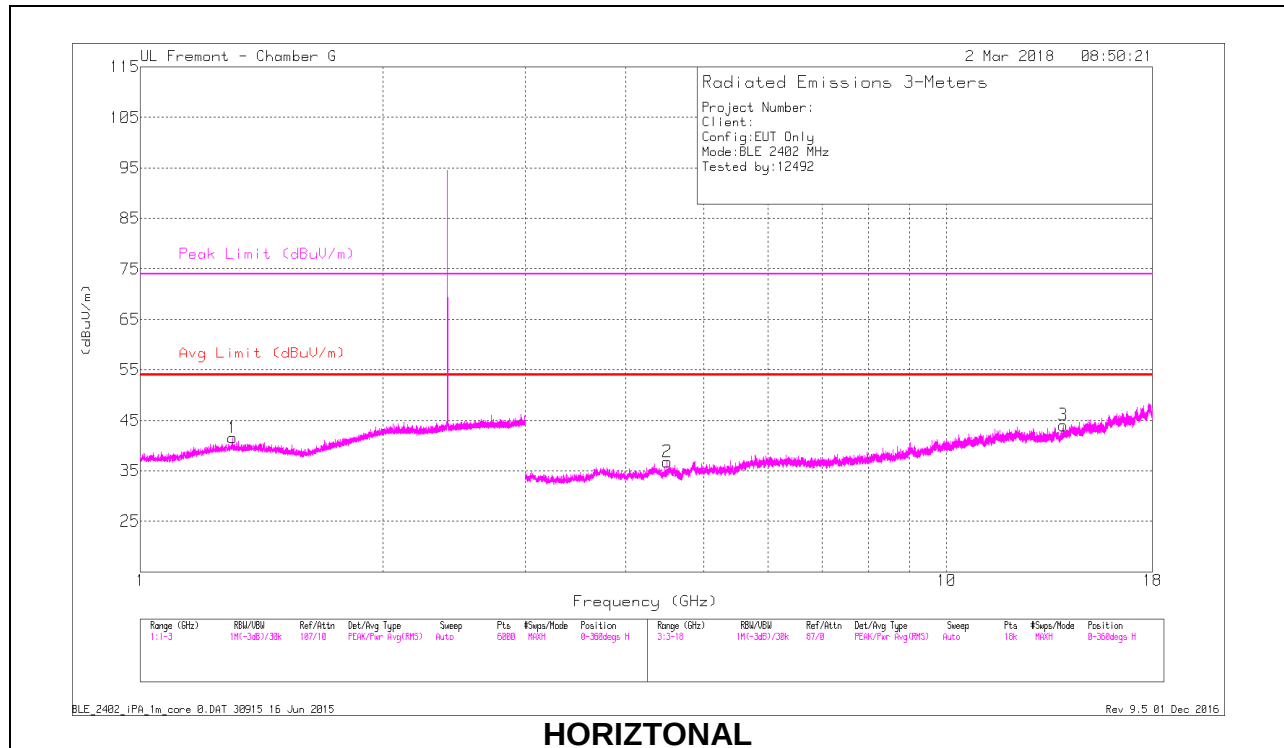
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS

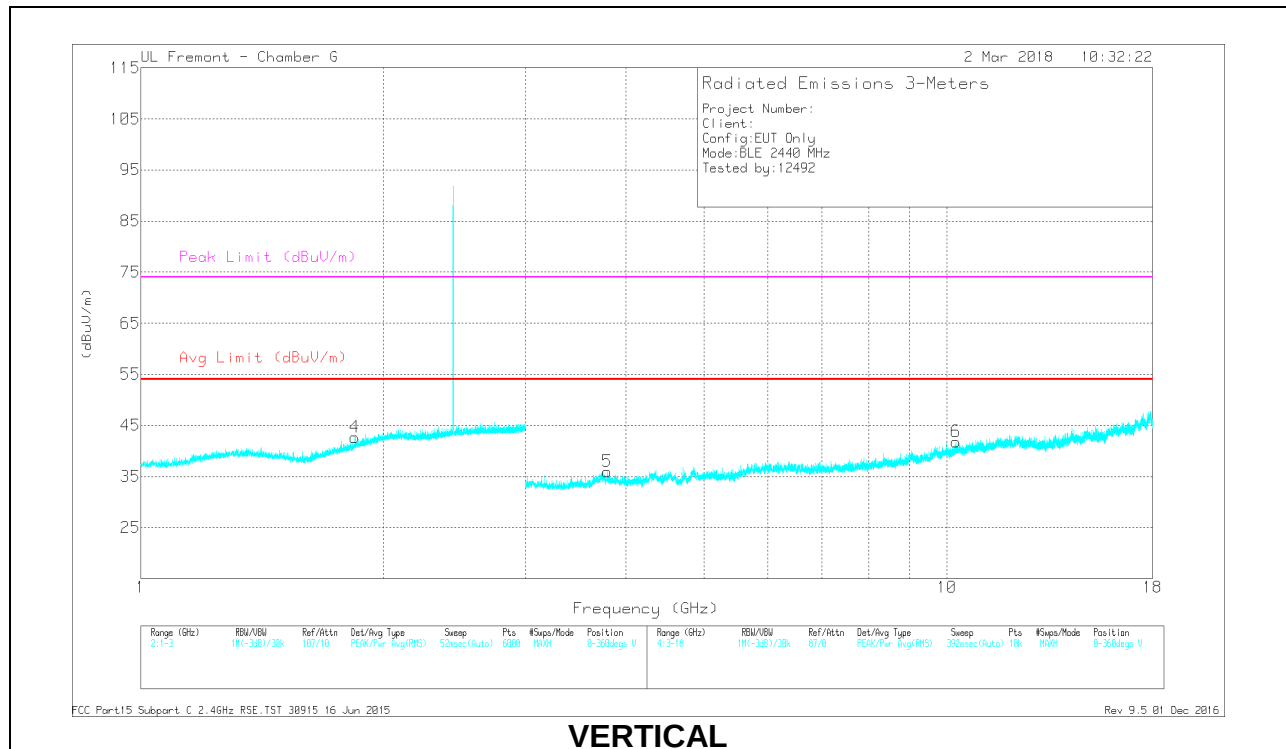
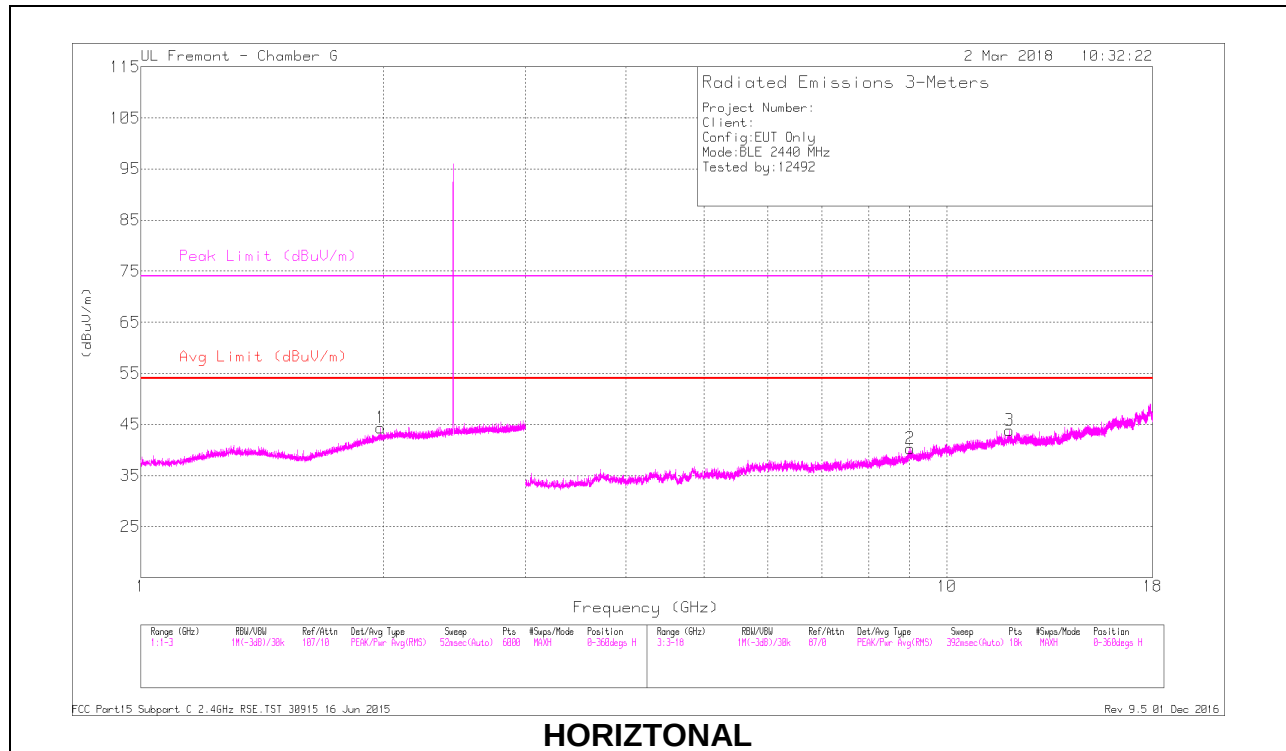


## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T345 (dB/m) | Amp/Cbl /Ftr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.302         | 44.32                | PK2  | 28.9           | -25.5                 | 47.72                      | -                  | -           | 74                  | -26.28         | 360            | 315         | H        |
|        | * 1.301         | 32.17                | MAv1 | 28.9           | -25.5                 | 35.57                      | 54                 | -18.43      | -                   | -              | 360            | 315         | H        |
| 4      | * 1.442         | 43.64                | PK2  | 28.4           | -25.2                 | 46.84                      | -                  | -           | 74                  | -27.16         | 142            | 243         | V        |
|        | * 1.442         | 31.78                | MAv1 | 28.4           | -25.2                 | 34.98                      | 54                 | -19.02      | -                   | -              | 142            | 243         | V        |
| 2      | * 4.853         | 41.79                | PK2  | 34.1           | -32.2                 | 43.69                      | -                  | -           | 74                  | -30.31         | 307            | 303         | H        |
|        | * 4.84          | 30.29                | MAv1 | 34.1           | -32.2                 | 32.19                      | 54                 | -21.81      | -                   | -              | 307            | 303         | H        |
| 6      | * 11.536        | 36.51                | PK2  | 38.4           | -25.6                 | 49.31                      | -                  | -           | 74                  | -24.69         | 121            | 148         | V        |
|        | * 11.533        | 24.95                | MAv1 | 38.4           | -25.6                 | 37.75                      | 54                 | -16.25      | -                   | -              | 121            | 148         | V        |
| 5      | 6.376           | 41.18                | PK2  | 35.5           | -30.8                 | 45.88                      | -                  | -           | -                   | -              | 144            | 206         | V        |
| 3      | 13.944          | 37.84                | PK2  | 39.2           | -26.8                 | 50.24                      | -                  | -           | -                   | -              | 187            | 110         | 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 RESULTS



## RADIATED EMISSIONS

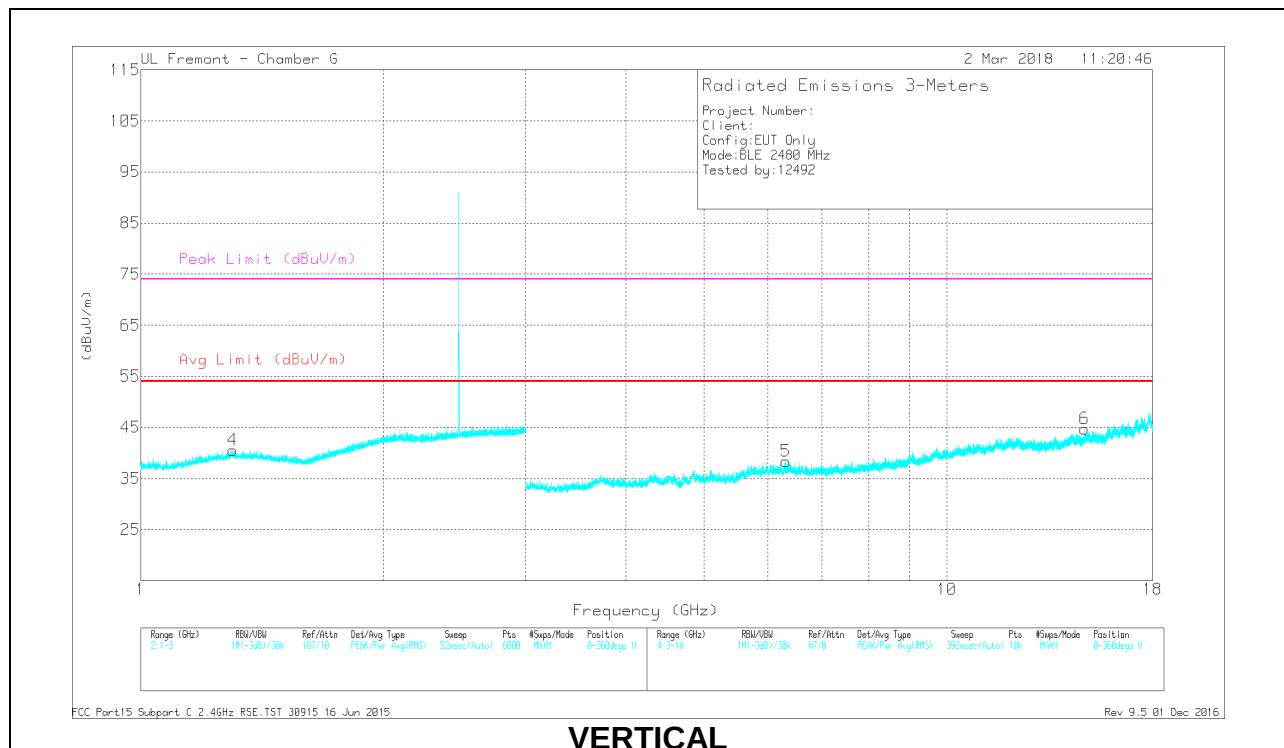
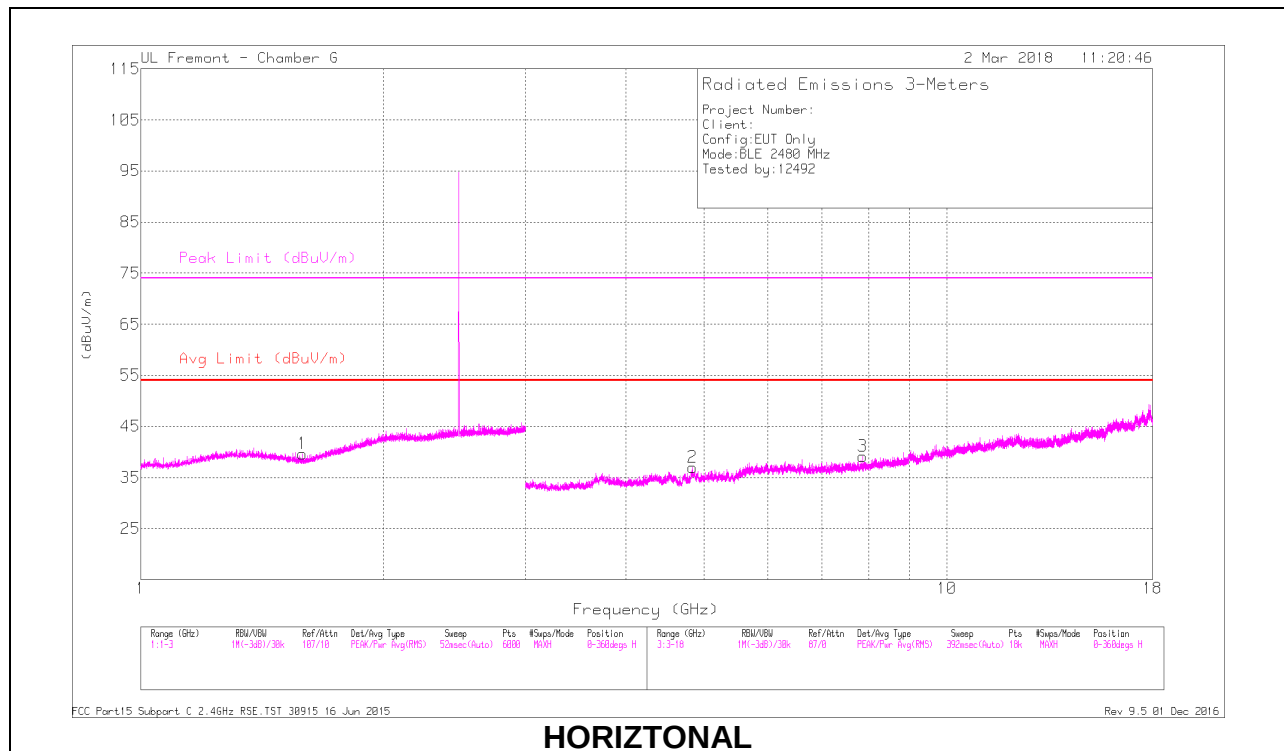
| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T345<br>(dB/m) | Amp/Cbl/<br>Filtr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m) | Avg Limit<br>(dBuV/m) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|------|-------------------|-------------------------------|--------------------------------------|-----------------------|----------------|---------------------------|----------------------|-------------------|----------------|----------|
| 2      | * 9.006                | 38.4                       | PK2  | 36.6              | -28                           | 47                                   | -                     | -              | 74                        | -27                  | 270               | 106            | H        |
|        | * 9.003                | 26.57                      | MAv1 | 36.6              | -27.9                         | 35.27                                | 54                    | -18.73         | -                         | -                    | 270               | 106            | H        |
| 3      | * 11.959               | 36.56                      | PK2  | 38.7              | -24.7                         | 50.56                                | -                     | -              | 74                        | -23.44               | 155               | 161            | H        |
|        | * 11.956               | 24.52                      | MAv1 | 38.7              | -24.7                         | 38.52                                | 54                    | -15.48         | -                         | -                    | 155               | 161            | H        |
| 5      | * 3.787                | 41.75                      | PK2  | 33.3              | -32.1                         | 42.95                                | -                     | -              | 74                        | -31.05               | 68                | 141            | V        |
|        | * 3.789                | 29.38                      | MAv1 | 33.3              | -32.1                         | 30.58                                | 54                    | -23.42         | -                         | -                    | 68                | 141            | V        |
| 4      | 1.845                  | 43.73                      | PK2  | 30.3              | -24.9                         | 49.13                                | -                     | -              | -                         | -                    | 264               | 309            | V        |
| 1      | 1.983                  | 44.31                      | PK2  | 31.6              | -24.8                         | 51.11                                | -                     | -              | -                         | -                    | 338               | 311            | H        |
| 6      | 10.267                 | 36.97                      | PK2  | 37.5              | -26.7                         | 47.77                                | -                     | -              | -                         | -                    | 0                 | 160            | 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 RESULTS



## RADIATED EMISSIONS

| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T345<br>(dB/m) | Amp/Cbl/<br>Filtr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m) | Avg Limit<br>(dBuV/m) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|------|-------------------|-------------------------------|--------------------------------------|-----------------------|----------------|---------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 1.588                | 44.62                      | PK2  | 27.5              | -25                           | 47.12                                | -                     | -              | 74                        | -26.88               | 282               | 195            | H        |
|        | * 1.587                | 31.62                      | MAv1 | 27.5              | -25                           | 34.12                                | 54                    | -19.88         | -                         | -                    | 282               | 195            | H        |
| 4      | * 1.3                  | 44.39                      | PK2  | 28.9              | -25.5                         | 47.79                                | -                     | -              | 74                        | -26.21               | 207               | 155            | V        |
|        | * 1.301                | 32.12                      | MAv1 | 28.9              | -25.5                         | 35.52                                | 54                    | -18.48         | -                         | -                    | 207               | 155            | V        |
| 2      | * 4.837                | 41.57                      | PK2  | 34.1              | -32.2                         | 43.47                                | -                     | -              | 74                        | -30.53               | 98                | 369            | H        |
|        | * 4.838                | 30.33                      | MAv1 | 34.1              | -32.2                         | 32.23                                | 54                    | -21.77         | -                         | -                    | 98                | 369            | H        |
| 5      | 6.308                  | 39.76                      | PK2  | 35.6              | -30.6                         | 44.76                                | -                     | -              | -                         | -                    | 46                | 292            | V        |
| 3      | 7.871                  | 38.62                      | PK2  | 35.9              | -29.9                         | 44.62                                | -                     | -              | -                         | -                    | 57                | 274            | H        |
| 6      | 14.827                 | 37.09                      | PK2  | 40.5              | -27.1                         | 50.49                                | -                     | -              | -                         | -                    | 14                | 193            | V        |

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

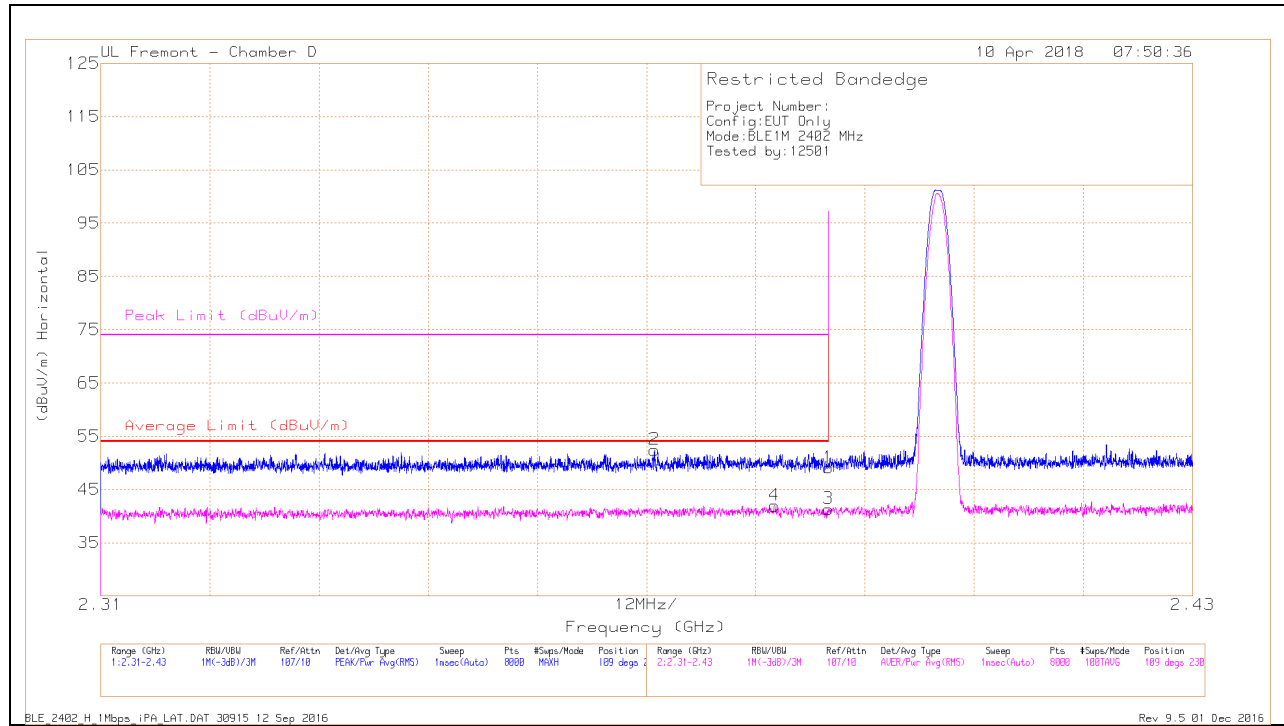
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

## ANTENNA 3

## BANDEDGE (LOW CHANNEL)

## HORIZONTAL RESULT



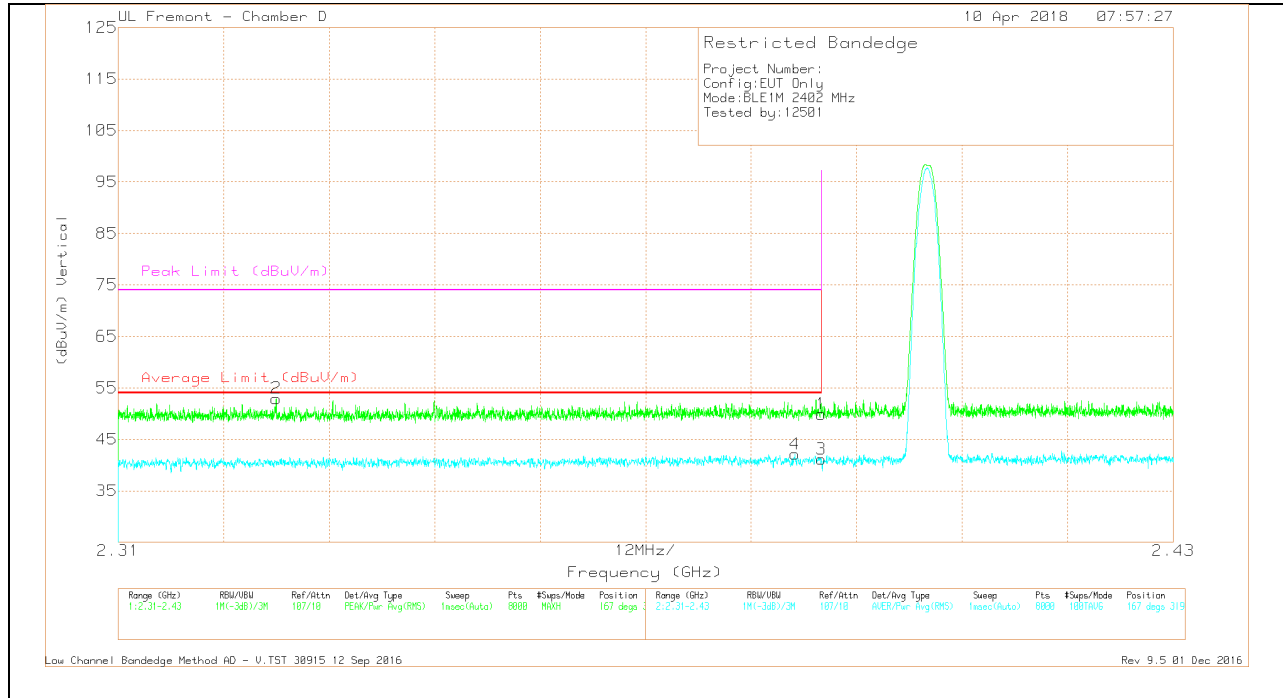
| Marker | Frequenc<br>y (GHz) | Meter<br>Reading<br>(dBUV) | Det | AF T136<br>(dB/m) | Amp/Cbl<br>/Filtr/Pad<br>(dB) | Correcte<br>d Reading<br>(dBUV/m<br>) | Average<br>Limit<br>(dBUV/m<br>) | Margin<br>(dB) | Peak<br>Limit<br>(dBUV/m<br>) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|---------------------|----------------------------|-----|-------------------|-------------------------------|---------------------------------------|----------------------------------|----------------|-------------------------------|----------------------|-------------------|----------------|----------|
| 2      | * 2.371             | 41.26                      | Pk  | 31.8              | -20.6                         | 52.46                                 | -                                | -              | 74                            | -21.54               | 109               | 230            | H        |
| 4      | * 2.384             | 30.57                      | RMS | 31.9              | -20.5                         | 41.97                                 | 54                               | -12.03         | -                             | -                    | 109               | 230            | H        |
| 1      | * 2.39              | 37.68                      | Pk  | 31.9              | -20.5                         | 49.08                                 | -                                | -              | 74                            | -24.92               | 109               | 230            | H        |
| 3      | * 2.39              | 29.95                      | RMS | 31.9              | -20.5                         | 41.35                                 | 54                               | -12.65         | -                             | -                    | 109               | 230            | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequen<br>cy<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det | AF T136<br>(dB/m) | Amp/Cbl<br>/Filt/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m<br>) | Average<br>Limit<br>(dBuV/m<br>) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m<br>) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|-----|-------------------|------------------------------|------------------------------------------|----------------------------------|----------------|-------------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 2.39                 | 38.51                      | Pk  | 31.9              | -20.5                        | 49.91                                    | -                                | -              | 74                            | -24.09               | 167               | 319            | V        |
| 2      | * 2.328                | 41.95                      | Pk  | 31.6              | -20.6                        | 52.95                                    | -                                | -              | 74                            | -21.05               | 167               | 319            | V        |
| 3      | * 2.39                 | 29.74                      | RMS | 31.9              | -20.5                        | 41.14                                    | 54                               | -12.86         | -                             | -                    | 167               | 319            | V        |
| 4      | * 2.387                | 30.73                      | RMS | 31.9              | -20.5                        | 42.13                                    | 54                               | -11.87         | -                             | -                    | 167               | 319            | V        |

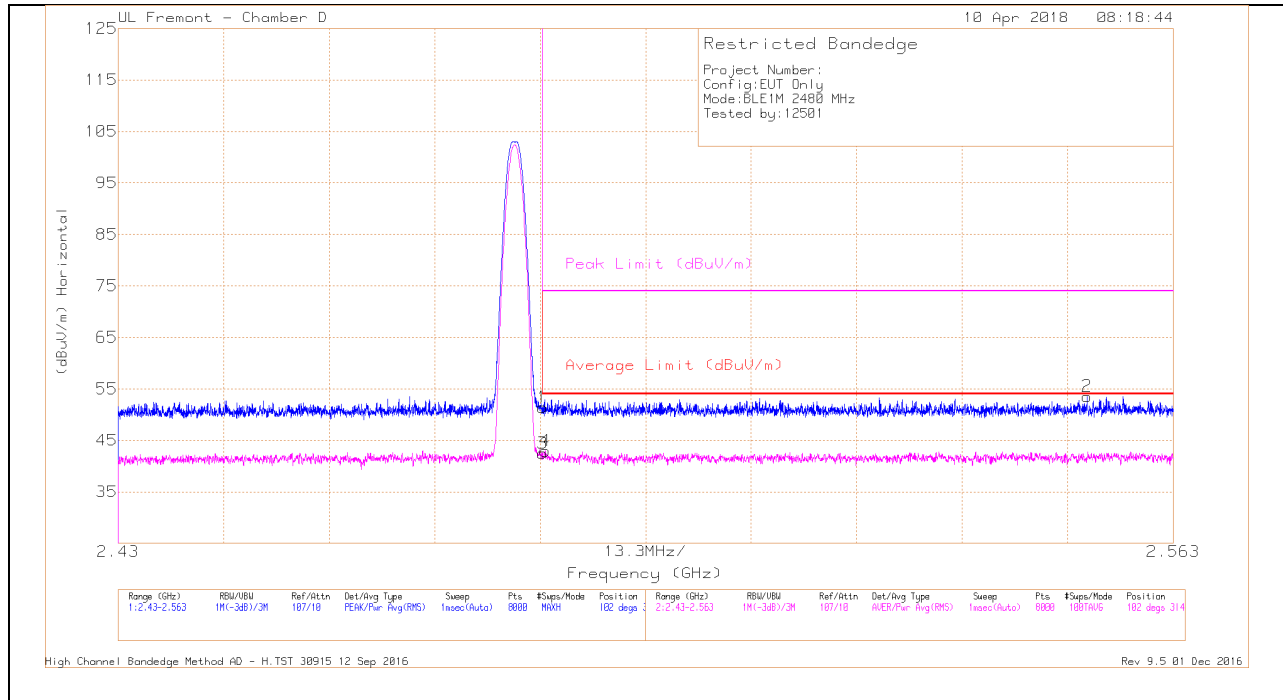
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## BANDEDGE (HIGH CHANNEL)

### HORIZONTAL RESULT



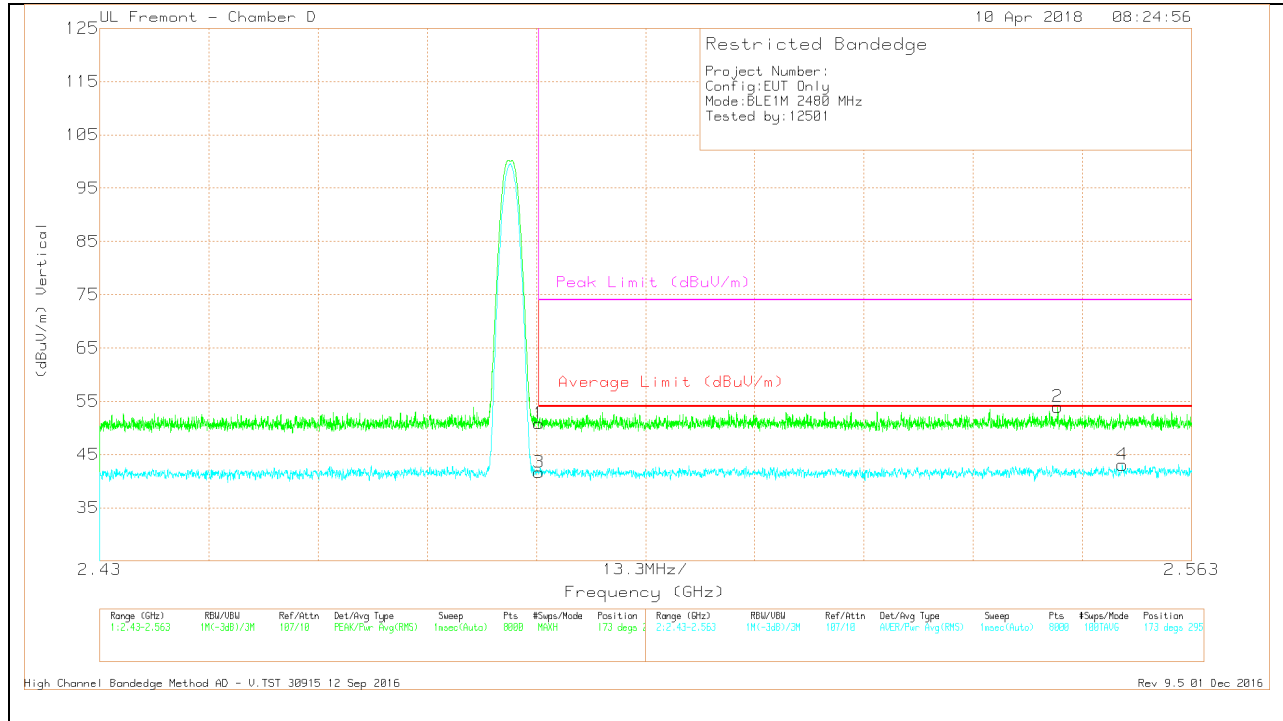
| Marker | Frequen<br>cy<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det | AF T136<br>(dB/m) | Amp/Cbl<br>/Filtr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m<br>) | Average<br>Limit<br>(dBuV/m<br>) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m<br>) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|-----|-------------------|-------------------------------|------------------------------------------|----------------------------------|----------------|-------------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 2.484                | 39.43                      | Pk  | 32.4              | -20.4                         | 51.43                                    | -                                | -              | 74                            | -22.57               | 102               | 314            | H        |
| 3      | * 2.484                | 30.5                       | RMS | 32.4              | -20.4                         | 42.5                                     | 54                               | -11.5          | -                             | -                    | 102               | 314            | H        |
| 4      | * 2.484                | 31.06                      | RMS | 32.4              | -20.5                         | 42.96                                    | 54                               | -11.04         | -                             | -                    | 102               | 314            | H        |
| 2      | 2.552                  | 41.45                      | Pk  | 32.4              | -20.3                         | 53.55                                    | -                                | -              | 74                            | -20.45               | 102               | 314            | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det | AF T136<br>(dB/m) | Amp/Cbl<br>/Filtr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m<br>) | Average<br>Limit<br>(dBuV/m<br>) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m<br>) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|-----|-------------------|-------------------------------|------------------------------------------|----------------------------------|----------------|-------------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 2.484                | 38.79                      | Pk  | 32.4              | -20.4                         | 50.79                                    | -                                | -              | 74                            | -23.21               | 173               | 295            | V        |
| 3      | * 2.484                | 29.65                      | RMS | 32.4              | -20.4                         | 41.65                                    | 54                               | -12.35         | -                             | -                    | 173               | 295            | V        |
| 2      | 2.547                  | 41.84                      | Pk  | 32.4              | -20.3                         | 53.94                                    | -                                | -              | 74                            | -20.06               | 173               | 295            | V        |
| 4      | 2.555                  | 30.87                      | RMS | 32.5              | -20.3                         | 43.07                                    | 54                               | -10.93         | -                             | -                    | 173               | 295            | V        |

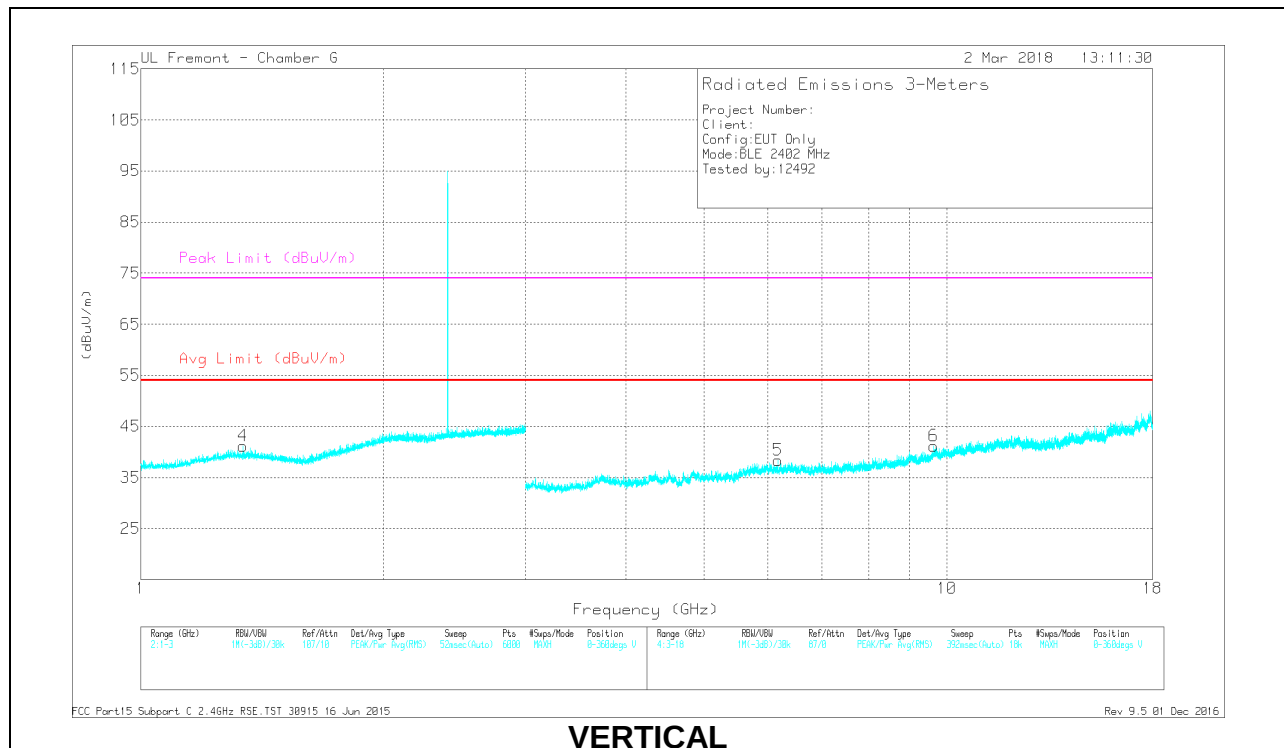
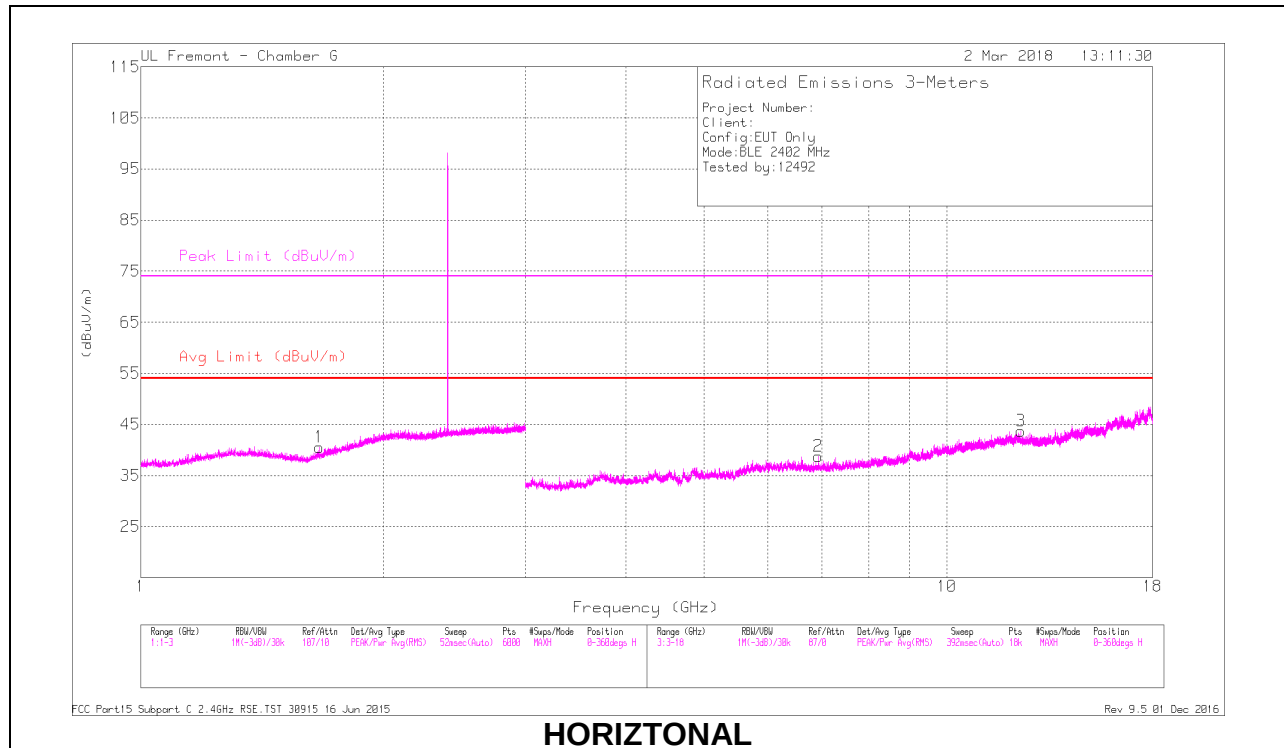
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



## RADIATED EMISSIONS

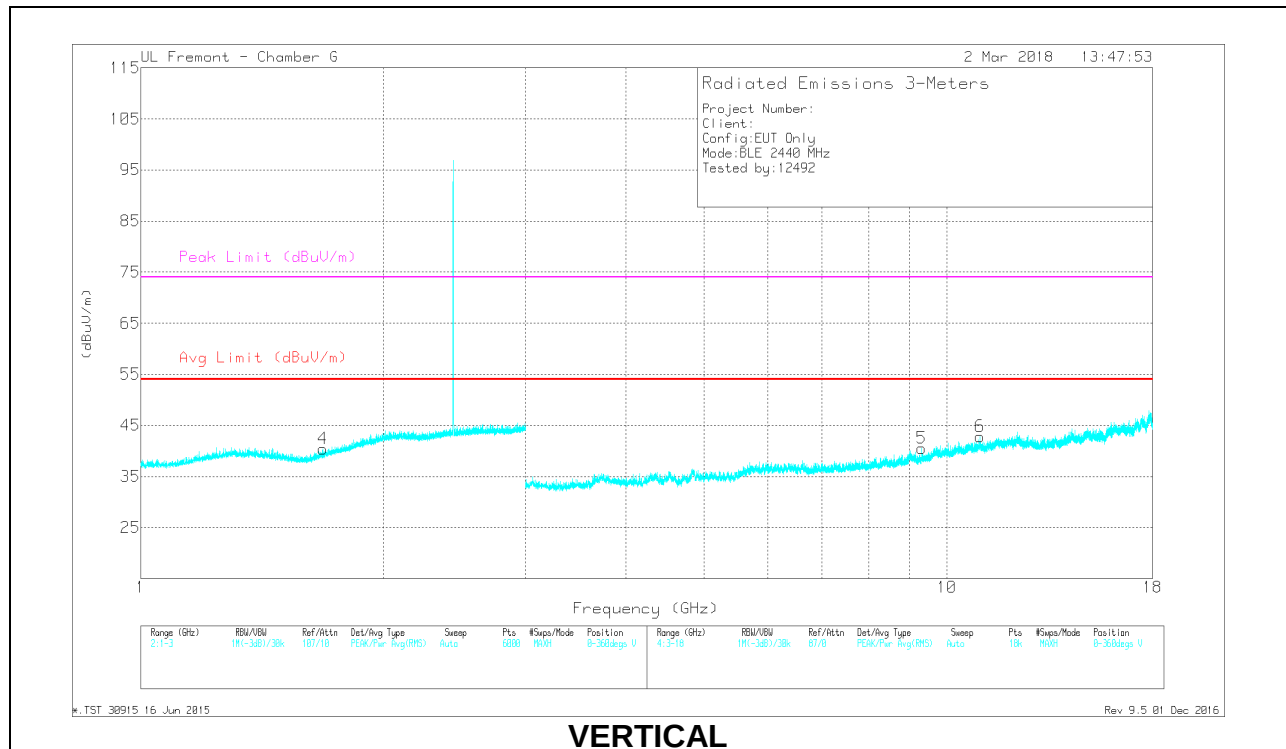
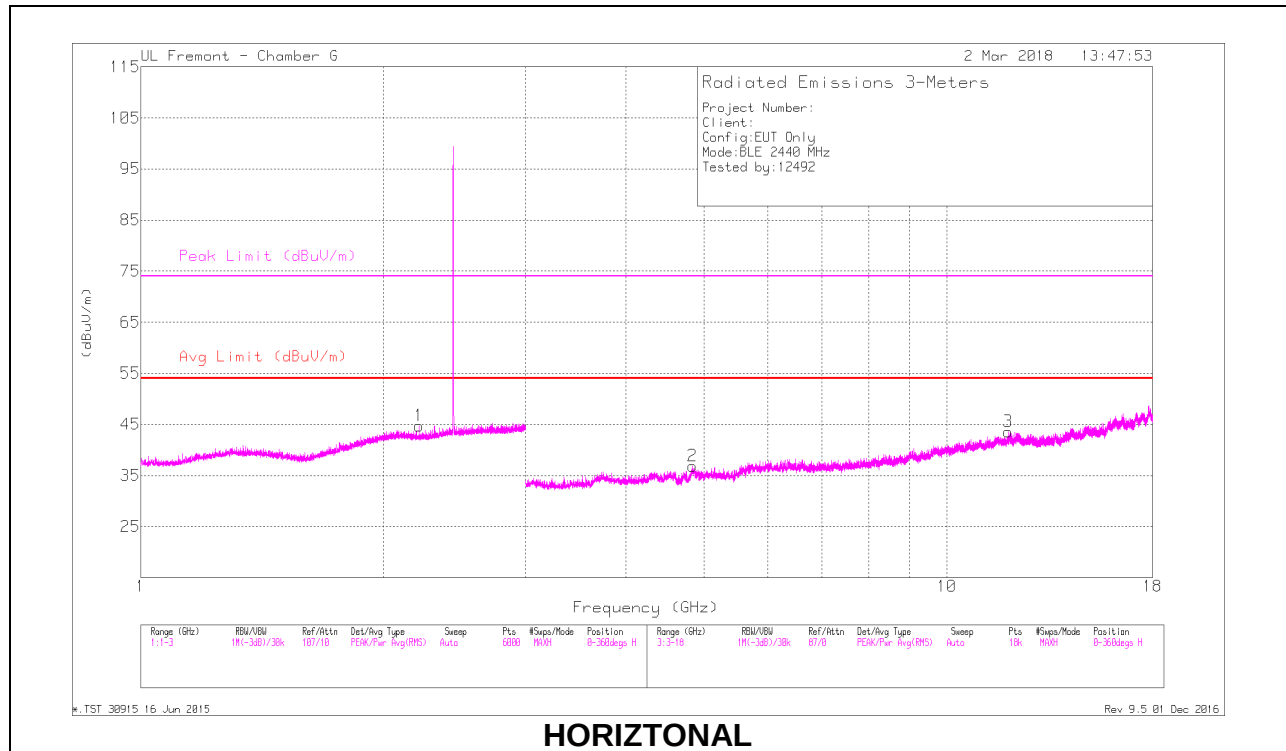
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T345 (dB/m) | Amp/Cbl/ Filt/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.665         | 43.74                | PK2  | 28.2           | -24.9                  | 47.04                      | -                  | -           | 74                  | -26.96         | 55             | 292         | H        |
|        | * 1.664         | 31.66                | MAv1 | 28.2           | -24.9                  | 34.96                      | 54                 | -19.04      | -                   | -              | 55             | 292         | H        |
| 4      | * 1.339         | 44.17                | PK2  | 28.8           | -25.5                  | 47.47                      | -                  | -           | 74                  | -26.53         | 267            | 314         | V        |
|        | * 1.34          | 31.99                | MAv1 | 28.8           | -25.5                  | 35.29                      | 54                 | -18.71      | -                   | -              | 267            | 314         | V        |
| 3      | * 12.363        | 36.63                | PK2  | 38.7           | -26                    | 49.33                      | -                  | -           | 74                  | -24.67         | 356            | 235         | H        |
|        | * 12.364        | 25.11                | MAv1 | 38.7           | -26                    | 37.81                      | 54                 | -16.19      | -                   | -              | 356            | 235         | H        |
| 5      | 6.169           | 41.01                | PK2  | 35.5           | -31.9                  | 44.61                      | -                  | -           | -                   | -              | 224            | 160         | V        |
| 2      | 6.927           | 39.68                | PK2  | 35.4           | -30.5                  | 44.58                      | -                  | -           | -                   | -              | 38             | 191         | H        |
| 6      | 9.629           | 37.93                | PK2  | 37             | -27.1                  | 47.83                      | -                  | -           | -                   | -              | 138            | 214         | 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 RESULTS

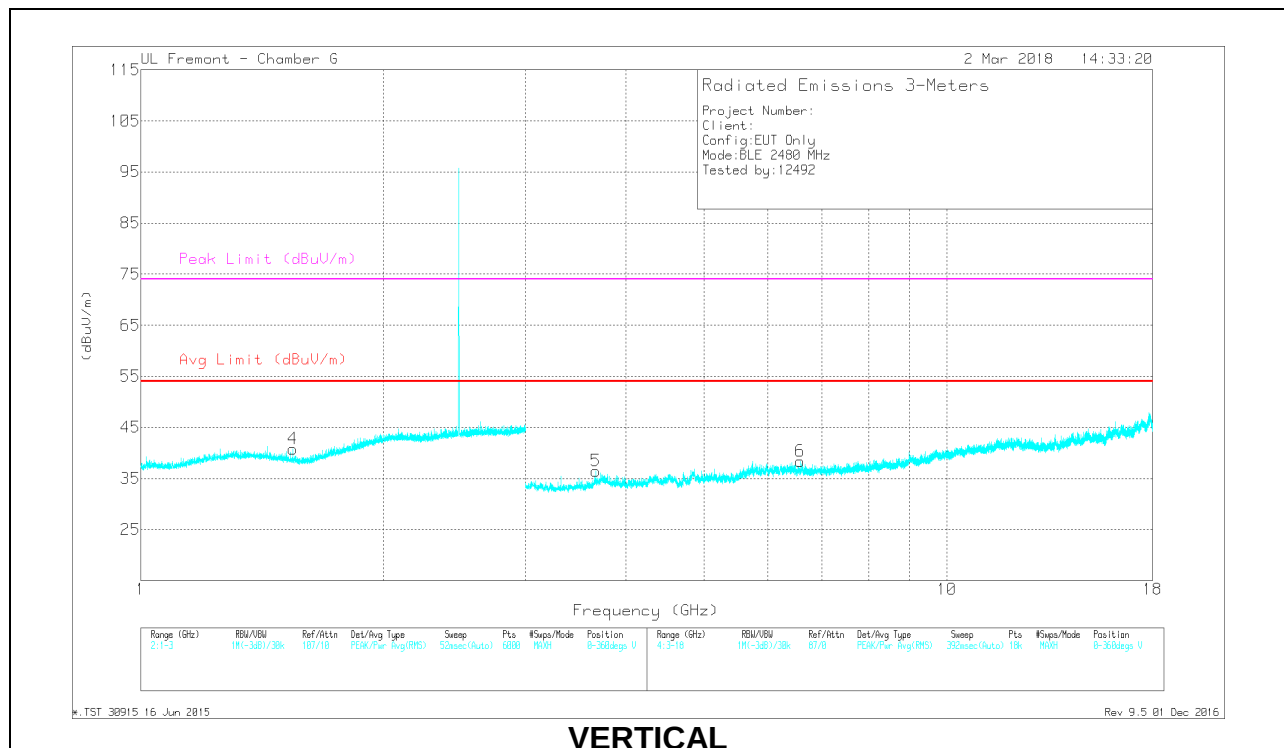
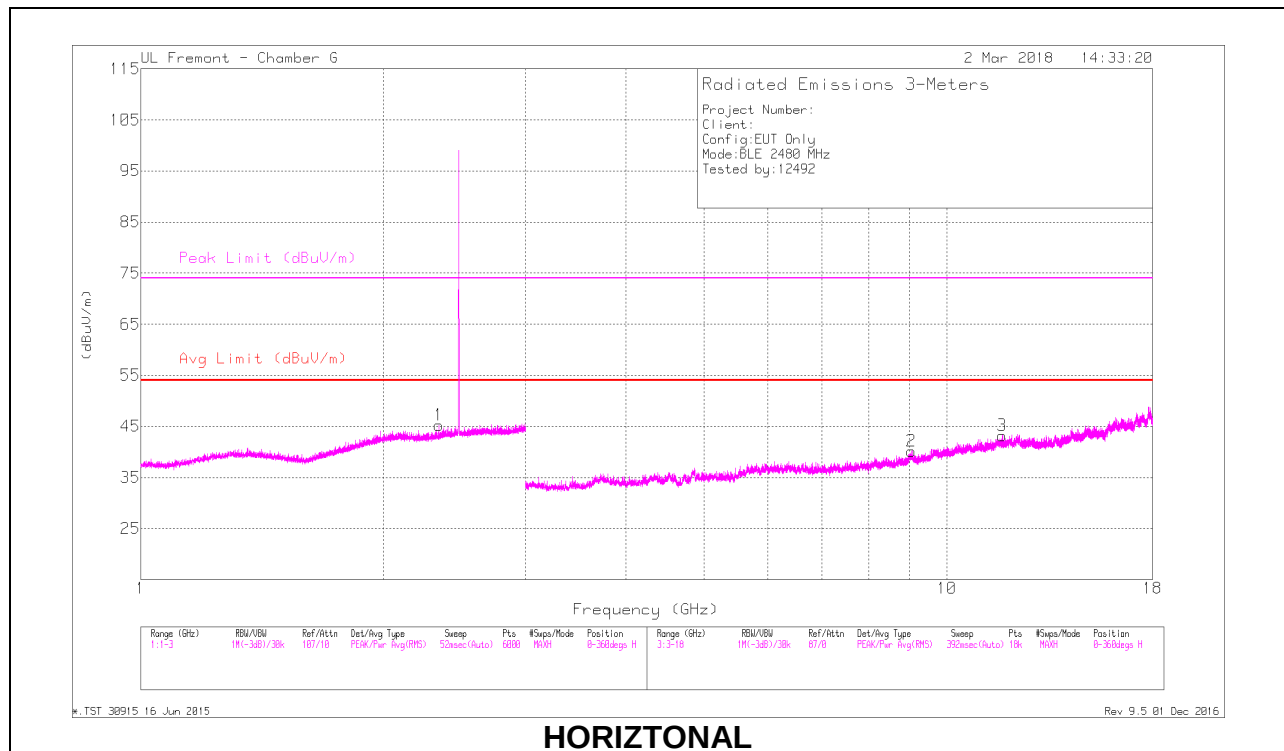


## RADIATED EMISSIONS

| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T345<br>(dB/m) | Amp/Cbl/<br>Filtr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m) | Avg Limit<br>(dBuV/m) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|------|-------------------|-------------------------------|--------------------------------------|-----------------------|----------------|---------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 2.214                | 44.33                      | PK2  | 31.6              | -24.5                         | 51.43                                | -                     | -              | 74                        | -22.57               | 189               | 268            | H        |
|        | * 2.214                | 31.75                      | MAv1 | 31.6              | -24.5                         | 38.85                                | 54                    | -15.15         | -                         | -                    | 189               | 268            | H        |
| 4      | * 1.682                | 43.81                      | PK2  | 28.5              | -24.9                         | 47.41                                | -                     | -              | 74                        | -26.59               | 141               | 179            | V        |
|        | * 1.683                | 31.37                      | MAv1 | 28.5              | -24.9                         | 34.97                                | 54                    | -19.03         | -                         | -                    | 141               | 179            | V        |
| 2      | * 4.843                | 42.78                      | PK2  | 34.1              | -32.2                         | 44.68                                | -                     | -              | 74                        | -29.32               | 329               | 264            | H        |
|        | * 4.841                | 30.57                      | MAv1 | 34.1              | -32.2                         | 32.47                                | 54                    | -21.53         | -                         | -                    | 329               | 264            | H        |
| 3      | * 11.913               | 37.24                      | PK2  | 38.7              | -25.4                         | 50.54                                | -                     | -              | 74                        | -23.46               | 240               | 106            | H        |
|        | * 11.91                | 24.8                       | MAv1 | 38.7              | -25.4                         | 38.1                                 | 54                    | -15.9          | -                         | -                    | 240               | 106            | H        |
| 5      | * 9.313                | 37.85                      | PK2  | 36.7              | -27.8                         | 46.75                                | -                     | -              | 74                        | -27.25               | 256               | 171            | V        |
|        | * 9.313                | 26.16                      | MAv1 | 36.7              | -27.8                         | 35.06                                | 54                    | -18.94         | -                         | -                    | 256               | 171            | V        |
| 6      | * 10.996               | 36.32                      | PK2  | 38                | -25.9                         | 48.42                                | -                     | -              | 74                        | -25.58               | 320               | 320            | V        |
|        | * 10.993               | 24.83                      | MAv1 | 38                | -25.8                         | 37.03                                | 54                    | -16.97         | -                         | -                    | 320               | 320            | 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 RESULTS



## RADIATED EMISSIONS

| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T345<br>(dB/m) | Amp/Cbl/<br>Filtr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m) | Avg Limit<br>(dBuV/m) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degr) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|------|-------------------|-------------------------------|--------------------------------------|-----------------------|----------------|---------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 2.344                | 43.96                      | PK2  | 31.8              | -24.3                         | 51.46                                | -                     | -              | 74                        | -22.54               | 276               | 308            | H        |
|        | * 2.343                | 31.52                      | MAv1 | 31.8              | -24.3                         | 39.02                                | 54                    | -14.98         | -                         | -                    | 276               | 308            | H        |
| 4      | * 1.546                | 44.06                      | PK2  | 27.7              | -25                           | 46.76                                | -                     | -              | 74                        | -27.24               | 168               | 139            | V        |
|        | * 1.545                | 31.95                      | MAv1 | 27.8              | -25                           | 34.75                                | 54                    | -19.25         | -                         | -                    | 168               | 139            | V        |
| 2      | * 9.039                | 38.09                      | PK2  | 36.6              | -27.9                         | 46.79                                | -                     | -              | 74                        | -27.21               | 65                | 119            | H        |
|        | * 9.039                | 26.34                      | MAv1 | 36.6              | -27.9                         | 35.04                                | 54                    | -18.96         | -                         | -                    | 65                | 119            | H        |
| 3      | * 11.724               | 36.4                       | PK2  | 38.6              | -26                           | 49                                   | -                     | -              | 74                        | -25                  | 211               | 174            | H        |
|        | * 11.721               | 25.1                       | MAv1 | 38.6              | -26                           | 37.7                                 | 54                    | -16.3          | -                         | -                    | 211               | 174            | H        |
| 5      | * 3.666                | 39.95                      | PK2  | 33.3              | -31.4                         | 41.85                                | -                     | -              | 74                        | -32.15               | 213               | 149            | V        |
|        | * 3.666                | 28.76                      | MAv1 | 33.3              | -31.4                         | 30.66                                | 54                    | -23.34         | -                         | -                    | 213               | 149            | V        |
| 6      | 6.582                  | 39.61                      | PK2  | 35.5              | -30.7                         | 44.41                                | -                     | -              | -                         | -                    | 227               | 391            | V        |

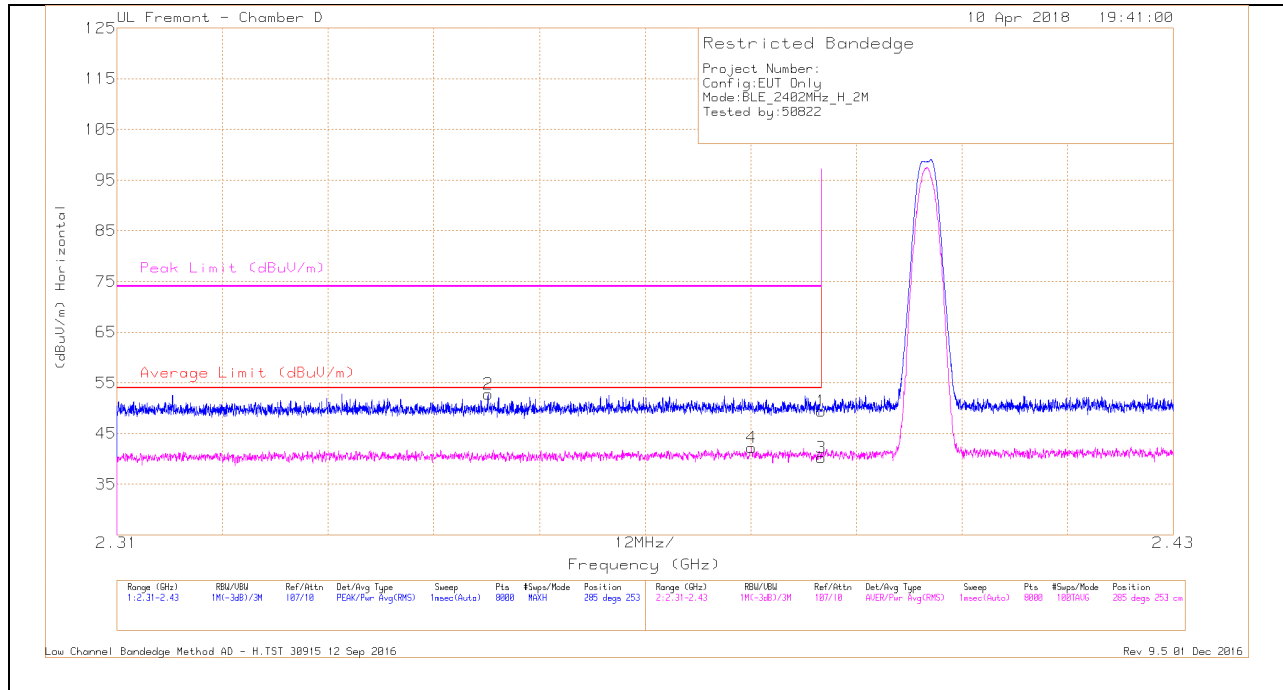
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 MAv1 - KDB558074 Option 1 Maximum RMS Average

## 9.2.4. LOW POWER BLE (2Mbps)

### ANTENNA 4

### BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT



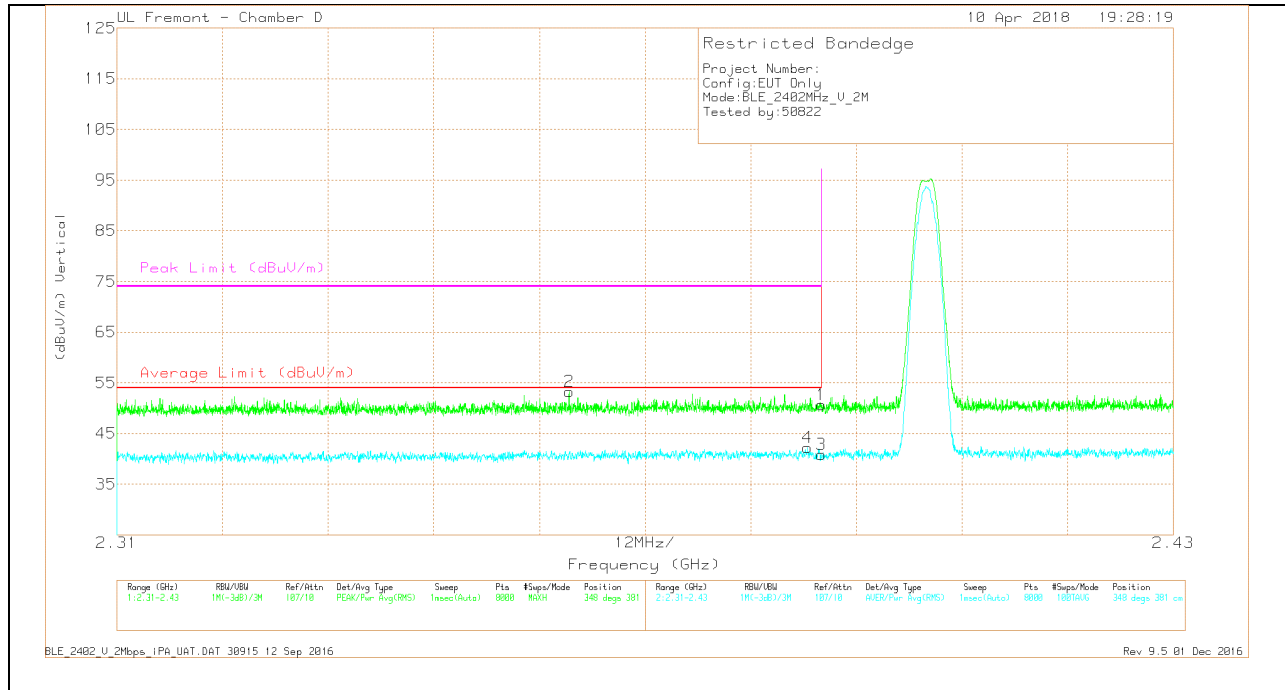
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/Cbl /Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 37.99                | Pk  | 31.9           | -20.5                   | 49.39                      | -                      | -           | 74                  | -24.61         | 285            | 253         | H        |
| 2      | * 2.352         | 41.81                | Pk  | 31.6           | -20.6                   | 52.81                      | -                      | -           | 74                  | -21.19         | 285            | 253         | H        |
| 3      | * 2.39          | 28.81                | RMS | 31.9           | -20.5                   | 40.21                      | 54                     | -13.79      | -                   | -              | 285            | 253         | H        |
| 4      | * 2.382         | 30.91                | RMS | 31.8           | -20.5                   | 42.21                      | 54                     | -11.79      | -                   | -              | 285            | 253         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



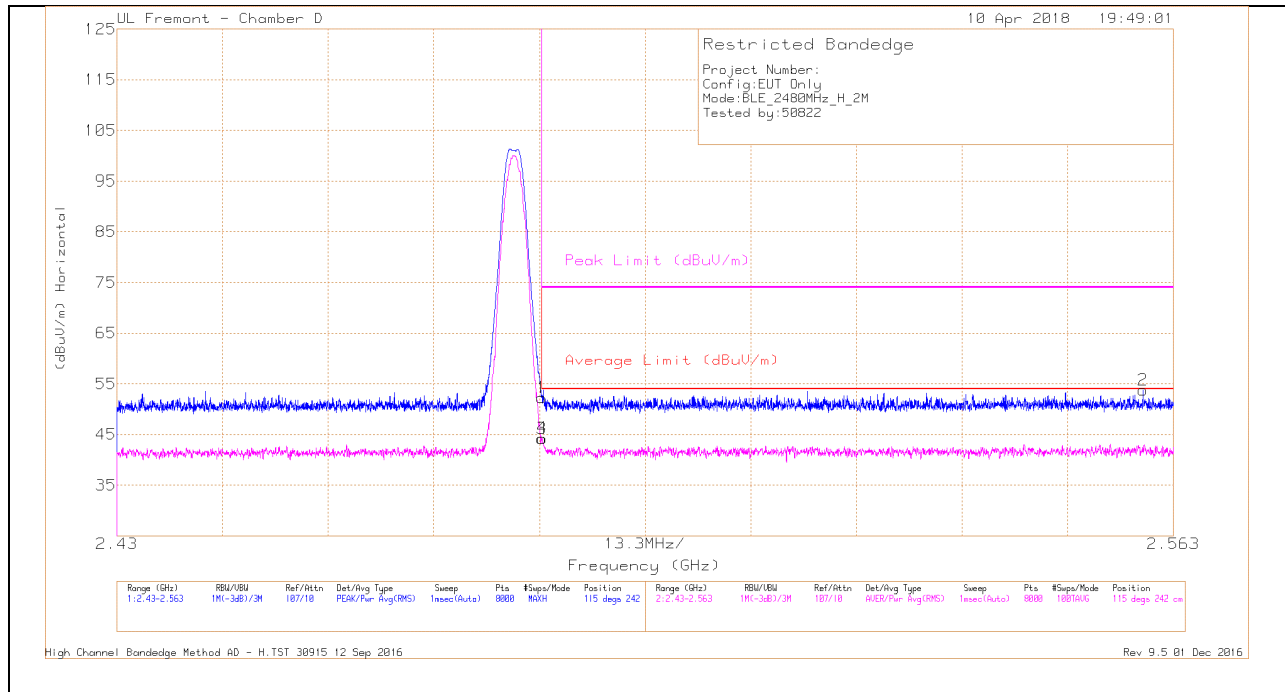
| Marker | Frequen<br>cy<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det | AF T136<br>(dB/m) | Amp/Cbl<br>/Filtr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m<br>) | Average<br>Limit<br>(dBuV/m<br>) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m<br>) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|-----|-------------------|-------------------------------|------------------------------------------|----------------------------------|----------------|-------------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 2.39                 | 39.29                      | Pk  | 31.9              | -20.5                         | 50.69                                    | -                                | -              | 74                            | -23.31               | 348               | 381            | V        |
| 2      | * 2.361                | 42.18                      | Pk  | 31.7              | -20.6                         | 53.28                                    | -                                | -              | 74                            | -20.72               | 348               | 381            | V        |
| 3      | * 2.39                 | 29.42                      | RMS | 31.9              | -20.5                         | 40.82                                    | 54                               | -13.18         | -                             | -                    | 348               | 381            | V        |
| 4      | * 2.388                | 30.87                      | RMS | 31.9              | -20.5                         | 42.27                                    | 54                               | -11.73         | -                             | -                    | 348               | 381            | V        |

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

Pk - Peak detector

RMS - RMS detection

## HORIZONTAL RESULT



| Marker | Frequen<br>cy<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det | AF T136<br>(dB/m) | Amp/Cbl<br>/Fitr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m<br>) | Average<br>Limit<br>(dBuV/m<br>) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m<br>) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|-----|-------------------|------------------------------|------------------------------------------|----------------------------------|----------------|-------------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 2.484                | 40.33                      | Pk  | 32.4              | -20.4                        | 52.33                                    | -                                | -              | 74                            | -21.67               | 115               | 242            | H        |
| 3      | * 2.484                | 32.19                      | RMS | 32.4              | -20.4                        | 44.19                                    | 54                               | -9.81          | -                             | -                    | 115               | 242            | H        |
| 4      | * 2.484                | 32.27                      | RMS | 32.4              | -20.4                        | 44.27                                    | 54                               | -9.73          | -                             | -                    | 115               | 242            | H        |
| 2      | 2.559                  | 41.52                      | Pk  | 32.5              | -20.3                        | 53.72                                    | -                                | -              | 74                            | -20.28               | 115               | 242            | H        |

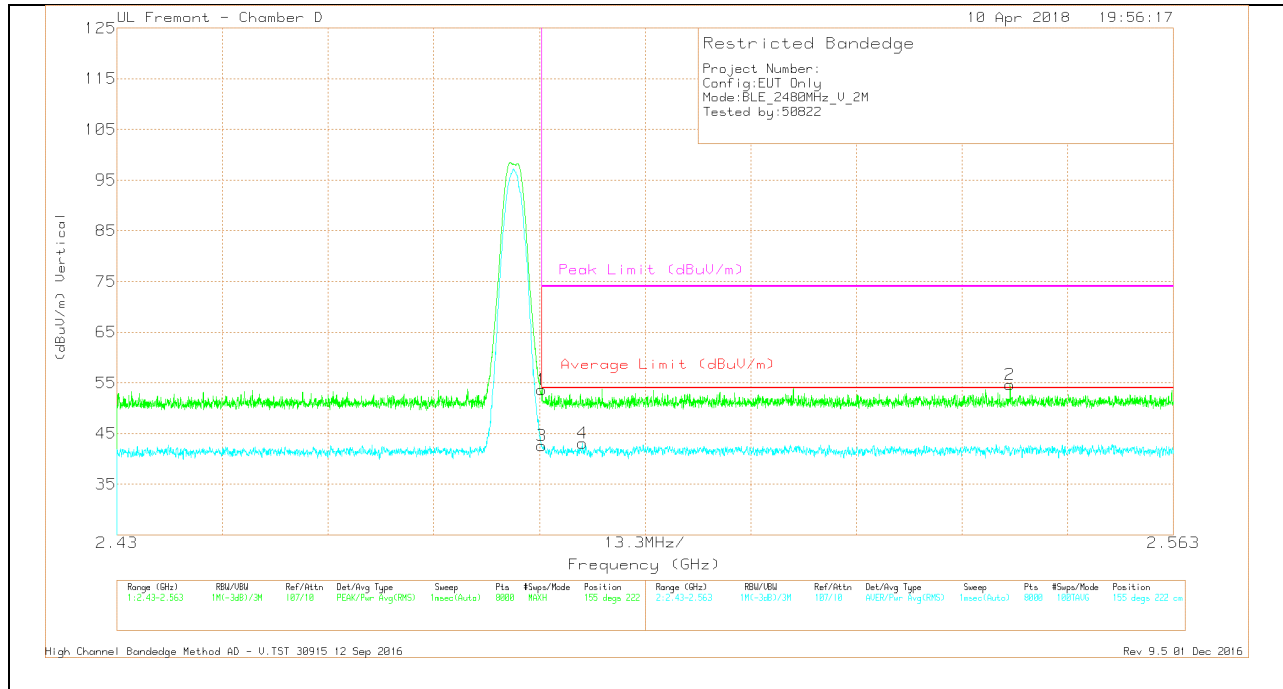
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## BANDEDGE (HIGH CHANNEL)

### VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (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         | 41.66                | Pk  | 32.4           | -20.4                   | 53.66                      | -                      | -           | 74                  | -20.34         | 155            | 222         | V        |
| 3      | * 2.484         | 30.56                | RMS | 32.4           | -20.4                   | 42.56                      | 54                     | -11.44      | -                   | -              | 155            | 222         | V        |
| 4      | * 2.489         | 31.19                | RMS | 32.4           | -20.5                   | 43.09                      | 54                     | -10.91      | -                   | -              | 155            | 222         | V        |
| 2      | 2.542           | 42.48                | Pk  | 32.4           | -20.3                   | 54.58                      | -                      | -           | 74                  | -19.42         | 155            | 222         | V        |

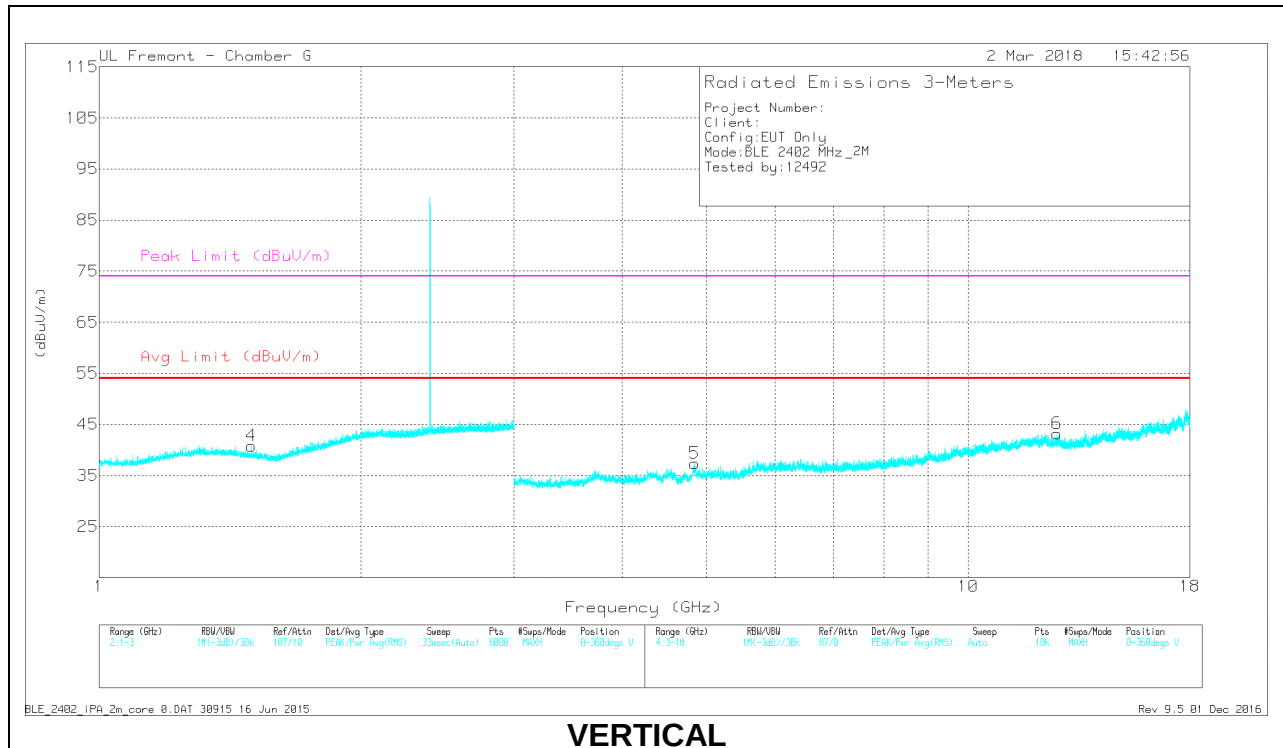
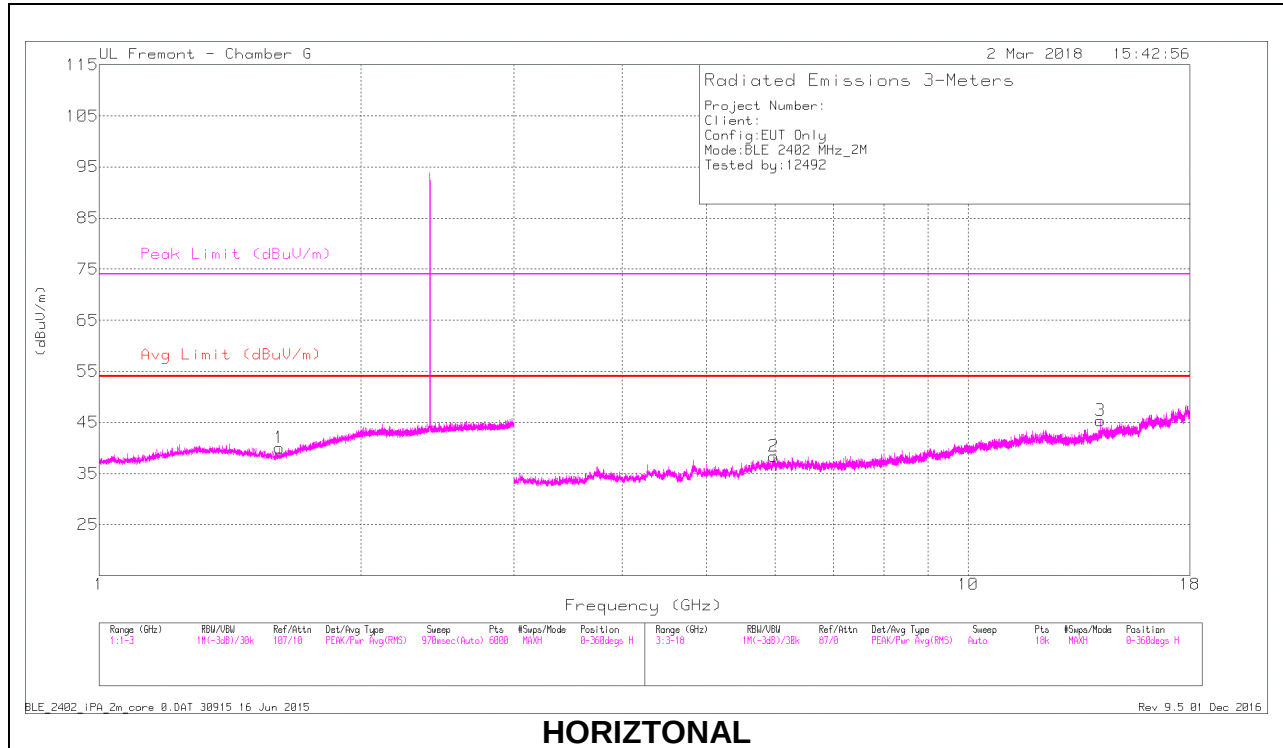
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS

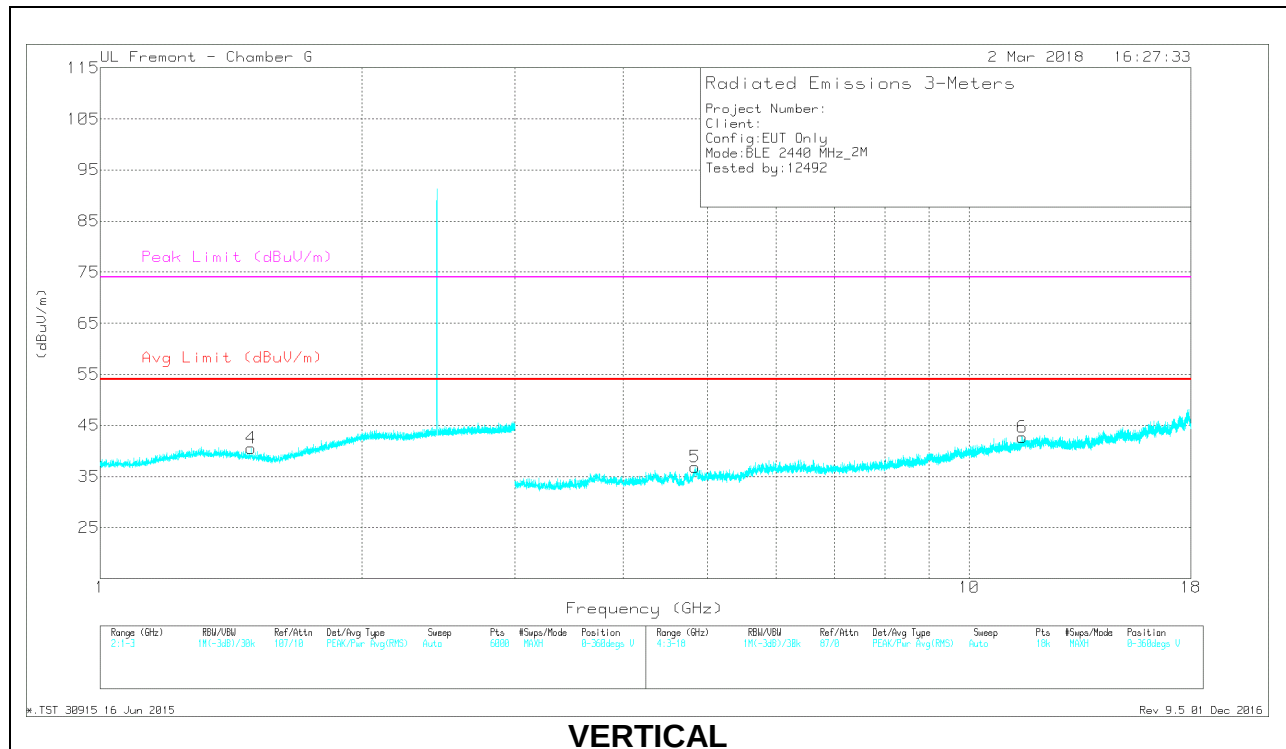
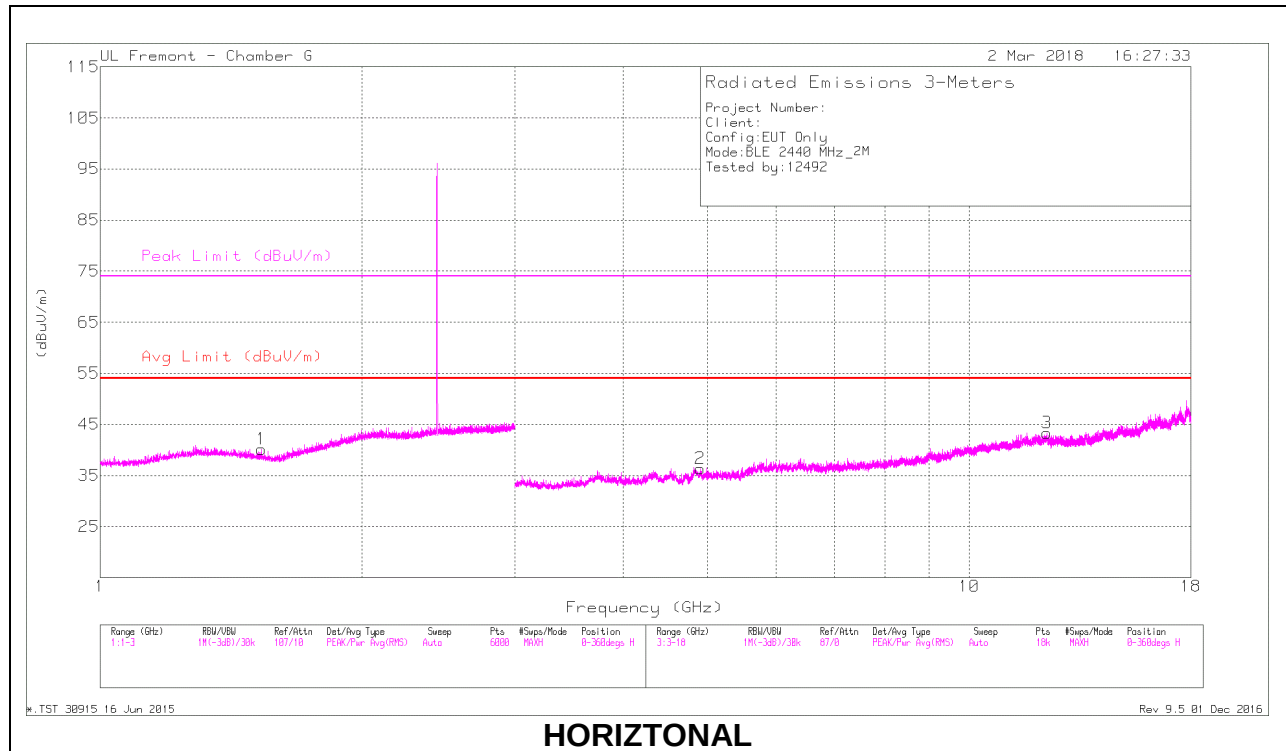


## RADIATED EMISSIONS

| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T345<br>(dB/m) | Amp/Cbl/<br>Filtr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m) | Avg Limit<br>(dBuV/m) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|------|-------------------|-------------------------------|--------------------------------------|-----------------------|----------------|---------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 1.611                | 43.84                      | PK2  | 27.6              | -25                           | 46.44                                | -                     | -              | 74                        | -27.56               | 86                | 284            | H        |
|        | * 1.611                | 31.68                      | MAv1 | 27.6              | -25                           | 34.28                                | 54                    | -19.72         | -                         | -                    | 86                | 284            | H        |
| 4      | * 1.499                | 44.35                      | PK2  | 28                | -25.1                         | 47.25                                | -                     | -              | 74                        | -26.75               | 272               | 149            | V        |
|        | * 1.497                | 31.95                      | MAv1 | 28                | -25.1                         | 34.85                                | 54                    | -19.15         | -                         | -                    | 272               | 149            | V        |
| 5      | * 4.849                | 40.78                      | PK2  | 34.1              | -32.2                         | 42.68                                | -                     | -              | 74                        | -31.32               | 70                | 188            | V        |
|        | * 4.847                | 29.25                      | MAv1 | 34.1              | -32.2                         | 31.15                                | 54                    | -22.85         | -                         | -                    | 70                | 188            | V        |
| 6      | * 12.663               | 36.12                      | PK2  | 38.8              | -25.8                         | 49.12                                | -                     | -              | 74                        | -24.88               | 305               | 266            | V        |
|        | * 12.663               | 24.61                      | MAv1 | 38.8              | -25.8                         | 37.61                                | 54                    | -16.39         | -                         | -                    | 305               | 266            | V        |
| 2      | 5.979                  | 39.71                      | PK2  | 35.5              | -30.5                         | 44.71                                | -                     | -              | -                         | -                    | 231               | 110            | H        |
|        | 5.981                  | 28.08                      | MAv1 | 35.5              | -30.5                         | 33.08                                | -                     | -              | -                         | -                    | 231               | 110            | H        |
| 3      | 14.21                  | 37.17                      | PK2  | 39.5              | -26.5                         | 50.17                                | -                     | -              | -                         | -                    | 19                | 172            | H        |
|        | 14.21                  | 25.93                      | MAv1 | 39.5              | -26.5                         | 38.93                                | -                     | -              | -                         | -                    | 19                | 172            | 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 RESULTS

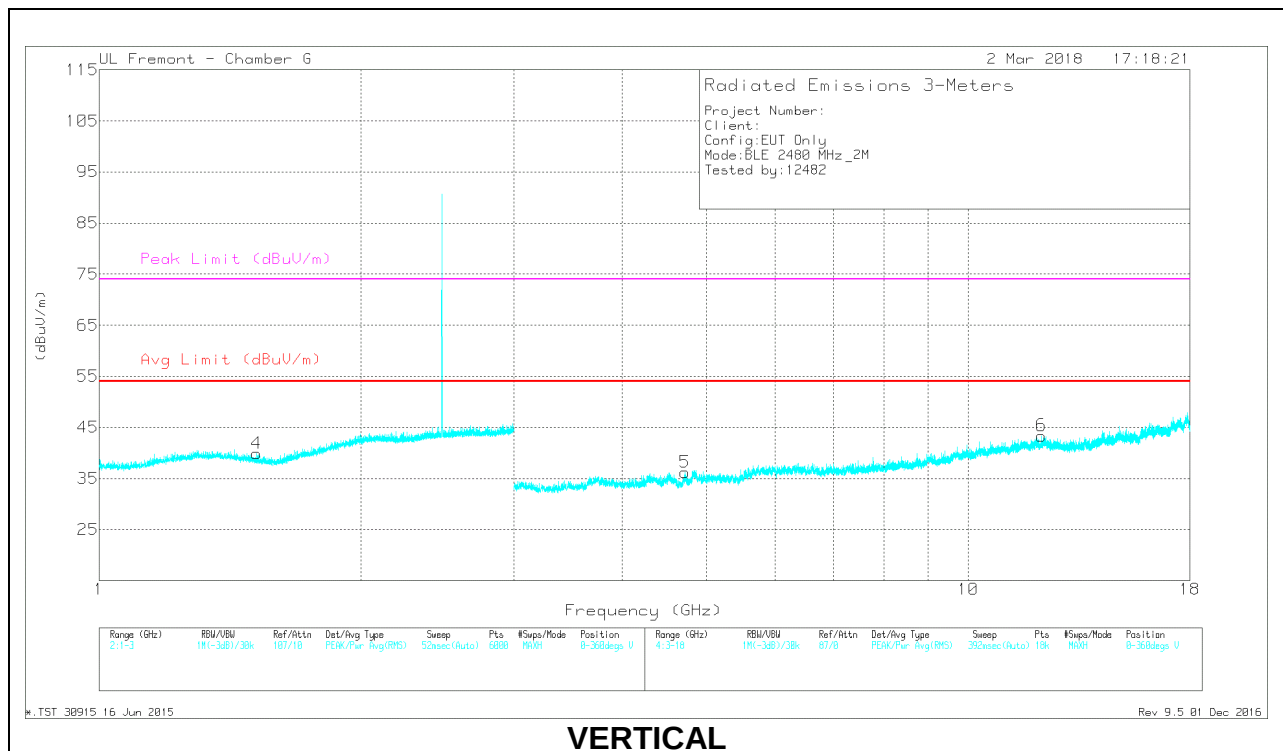
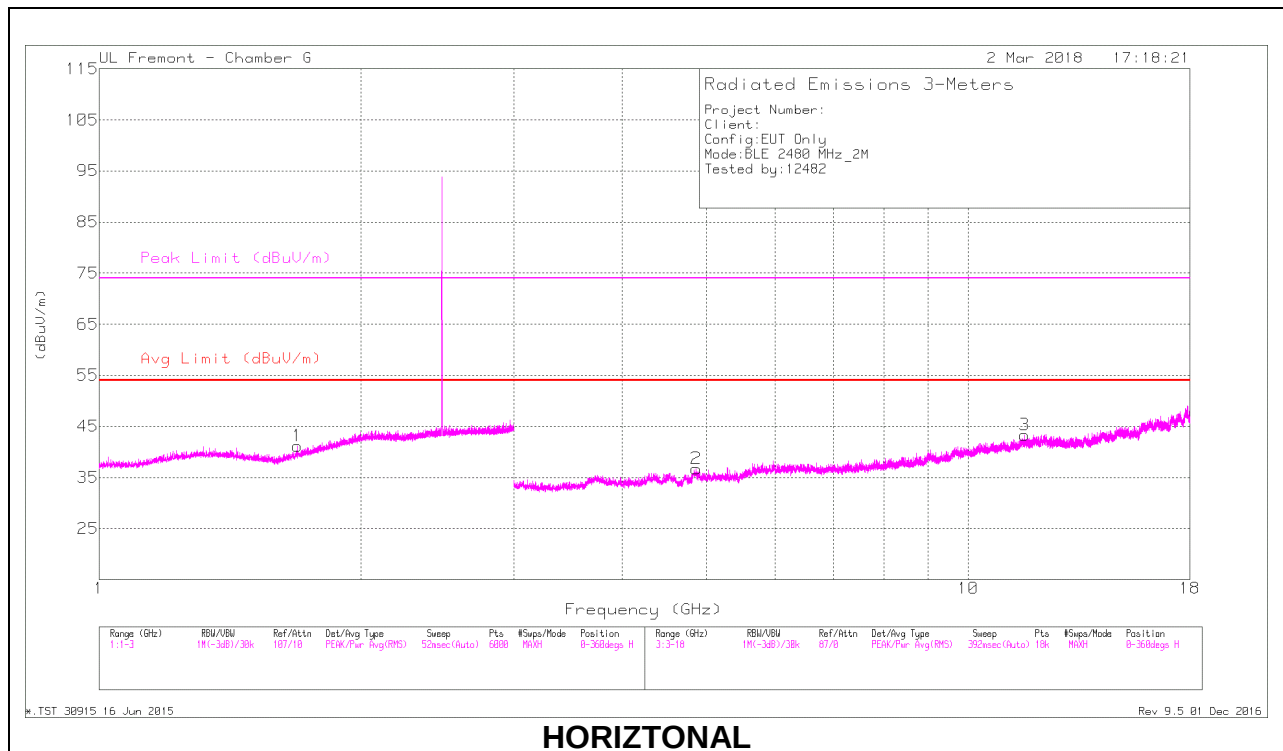


## RADIATED EMISSIONS

| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T345<br>(dB/m) | Amp/Cbl<br>/Filtr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m<br>) | Avg Limit<br>(dBuV/m<br>) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m<br>) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|------|-------------------|-------------------------------|------------------------------------------|---------------------------|----------------|-------------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 1.532                | 43.73                      | PK2  | 27.8              | -25.1                         | 46.43                                    | -                         | -              | 74                            | -27.57               | 0                 | 314            | H        |
|        | * 1.53                 | 31.72                      | MAv1 | 27.8              | -25.1                         | 34.42                                    | 54                        | -19.58         | -                             | -                    | 0                 | 314            | H        |
| 4      | * 1.493                | 43.72                      | PK2  | 28.1              | -25.1                         | 46.72                                    | -                         | -              | 74                            | -27.28               | 163               | 319            | V        |
|        | * 1.493                | 31.83                      | MAv1 | 28.1              | -25.1                         | 34.83                                    | 54                        | -19.17         | -                             | -                    | 163               | 319            | V        |
| 2      | * 4.905                | 40.49                      | PK2  | 34.1              | -32.1                         | 42.49                                    | -                         | -              | 74                            | -31.51               | 216               | 296            | H        |
|        | * 4.904                | 28.71                      | MAv1 | 34.1              | -32.1                         | 30.71                                    | 54                        | -23.29         | -                             | -                    | 216               | 296            | H        |
| 3      | * 12.284               | 36.07                      | PK2  | 38.7              | -25.1                         | 49.67                                    | -                         | -              | 74                            | -24.33               | 15                | 194            | H        |
|        | * 12.284               | 24.88                      | MAv1 | 38.7              | -25.1                         | 38.48                                    | 54                        | -15.52         | -                             | -                    | 15                | 194            | H        |
| 5      | * 4.839                | 41.79                      | PK2  | 34.1              | -32.2                         | 43.69                                    | -                         | -              | 74                            | -30.31               | 51                | 305            | V        |
|        | * 4.841                | 30.12                      | MAv1 | 34.1              | -32.2                         | 32.02                                    | 54                        | -21.98         | -                             | -                    | 51                | 305            | V        |
| 6      | * 11.525               | 36.53                      | PK2  | 38.4              | -25.7                         | 49.23                                    | -                         | -              | 74                            | -24.77               | 177               | 183            | V        |
|        | * 11.525               | 24.97                      | MAv1 | 38.4              | -25.7                         | 37.67                                    | 54                        | -16.33         | -                             | -                    | 177               | 183            | 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 RESULTS



## RADIATED EMISSIONS

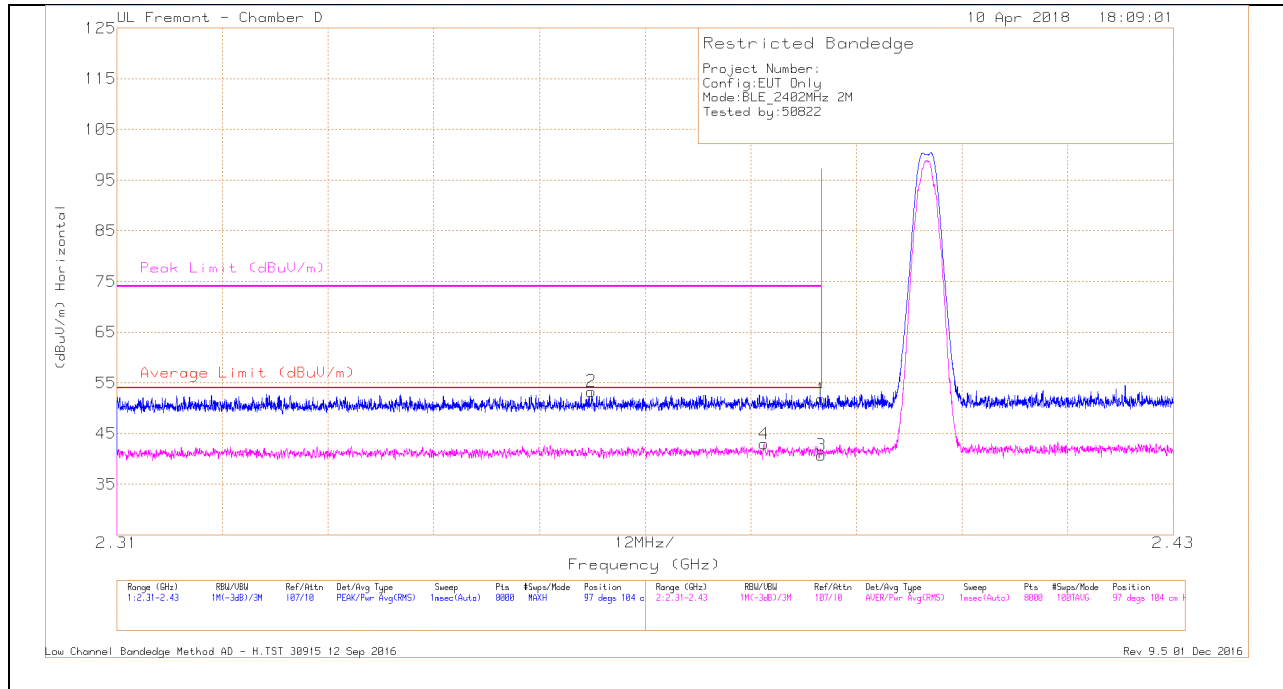
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T345 (dB/m) | Amp/Cbl /Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.691         | 44.48                | PK2  | 28.6           | -24.9                   | 48.18                      | -                  | -           | 74                  | -25.82         | 253            | 315         | H        |
|        | * 1.689         | 31.56                | MAv1 | 28.6           | -24.9                   | 35.26                      | 54                 | -18.74      | -                   | -              | 253            | 315         | H        |
| 4      | * 1.516         | 43.84                | PK2  | 27.9           | -25.1                   | 46.64                      | -                  | -           | 74                  | -27.36         | 42             | 307         | V        |
|        | * 1.516         | 31.82                | MAv1 | 27.9           | -25.1                   | 34.62                      | 54                 | -19.38      | -                   | -              | 42             | 307         | V        |
| 2      | * 4.869         | 40.36                | PK2  | 34.1           | -32.1                   | 42.36                      | -                  | -           | 74                  | -31.64         | 286            | 299         | H        |
|        | * 4.867         | 28.94                | MAv1 | 34.1           | -32.1                   | 30.94                      | 54                 | -23.06      | -                   | -              | 286            | 299         | H        |
| 3      | * 11.617        | 36.57                | PK2  | 38.5           | -25.5                   | 49.57                      | -                  | -           | 74                  | -24.43         | 56             | 271         | H        |
|        | * 11.619        | 24.68                | MAv1 | 38.5           | -25.5                   | 37.68                      | 54                 | -16.32      | -                   | -              | 56             | 271         | H        |
| 5      | * 4.728         | 40.91                | PK2  | 34             | -32                     | 42.91                      | -                  | -           | 74                  | -31.09         | 37             | 291         | V        |
|        | * 4.728         | 29.22                | MAv1 | 34             | -32                     | 31.22                      | 54                 | -22.78      | -                   | -              | 37             | 291         | V        |
| 6      | * 12.141        | 36.31                | PK2  | 38.7           | -25.6                   | 49.41                      | -                  | -           | 74                  | -24.59         | 323            | 322         | V        |
|        | * 12.141        | 24.71                | MAv1 | 38.7           | -25.6                   | 37.81                      | 54                 | -16.19      | -                   | -              | 323            | 322         | V        |

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 MAv1 - KDB558074 Option 1 Maximum RMS Average

### ANTENNA 3

### BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT



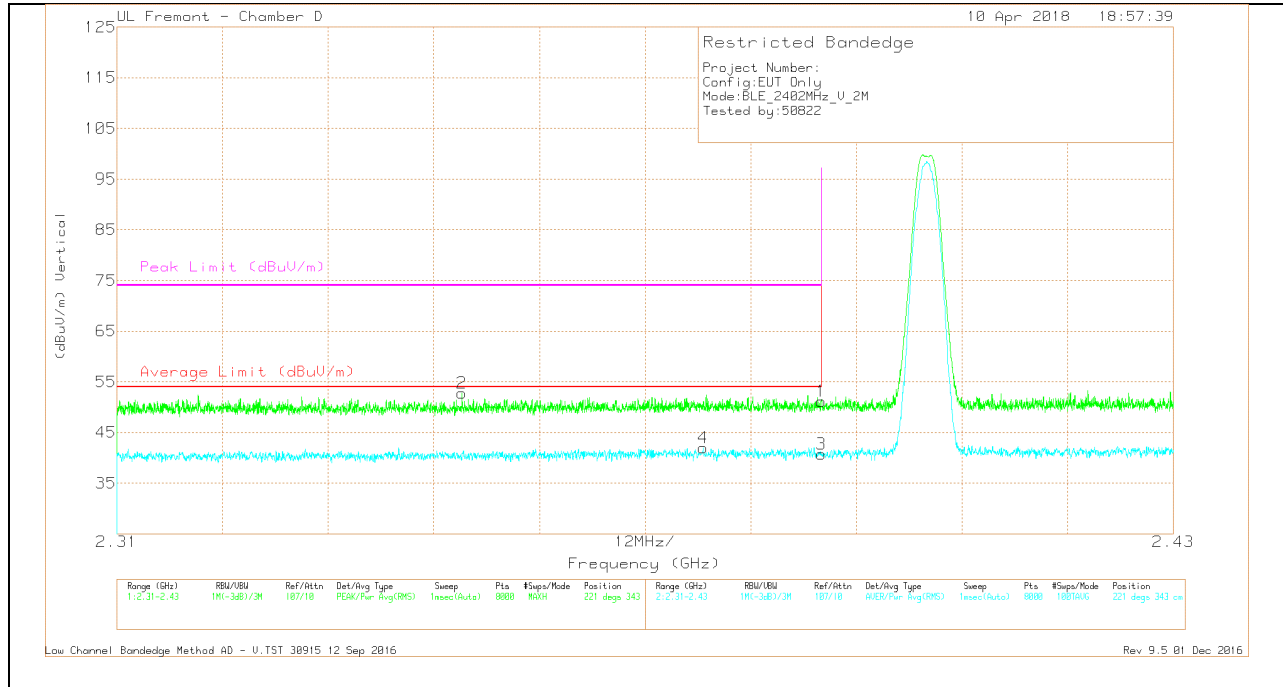
| Marker | Frequen<br>cy<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det | AF T136<br>(dB/m) | Amp/Cbl<br>/Filtr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m<br>) | Average<br>Limit<br>(dBuV/m<br>) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m<br>) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|-----|-------------------|-------------------------------|------------------------------------------|----------------------------------|----------------|-------------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 2.39                 | 40.35                      | Pk  | 31.9              | -20.5                         | 51.75                                    | -                                | -              | 74                            | -22.25               | 97                | 104            | H        |
| 2      | * 2.364                | 42.23                      | Pk  | 31.7              | -20.6                         | 53.33                                    | -                                | -              | 74                            | -20.67               | 97                | 104            | H        |
| 3      | * 2.39                 | 29.3                       | RMS | 31.9              | -20.5                         | 40.7                                     | 54                               | -13.3          | -                             | -                    | 97                | 104            | H        |
| 4      | * 2.384                | 31.68                      | RMS | 31.8              | -20.5                         | 42.98                                    | 54                               | -11.02         | -                             | -                    | 97                | 104            | 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 T136 (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      | * 2.39          | 39.78                | Pk  | 31.9           | -20.5                   | 51.18                      | -                      | -           | 74                  | -22.82         | 221            | 343         | V        |
| 2      | * 2.349         | 41.72                | Pk  | 31.6           | -20.6                   | 52.72                      | -                      | -           | 74                  | -21.28         | 221            | 343         | V        |
| 3      | * 2.39          | 29.29                | RMS | 31.9           | -20.5                   | 40.69                      | 54                     | -13.31      | -                   | -              | 221            | 343         | V        |
| 4      | * 2.377         | 30.62                | RMS | 31.8           | -20.4                   | 42.02                      | 54                     | -11.98      | -                   | -              | 221            | 343         | V        |

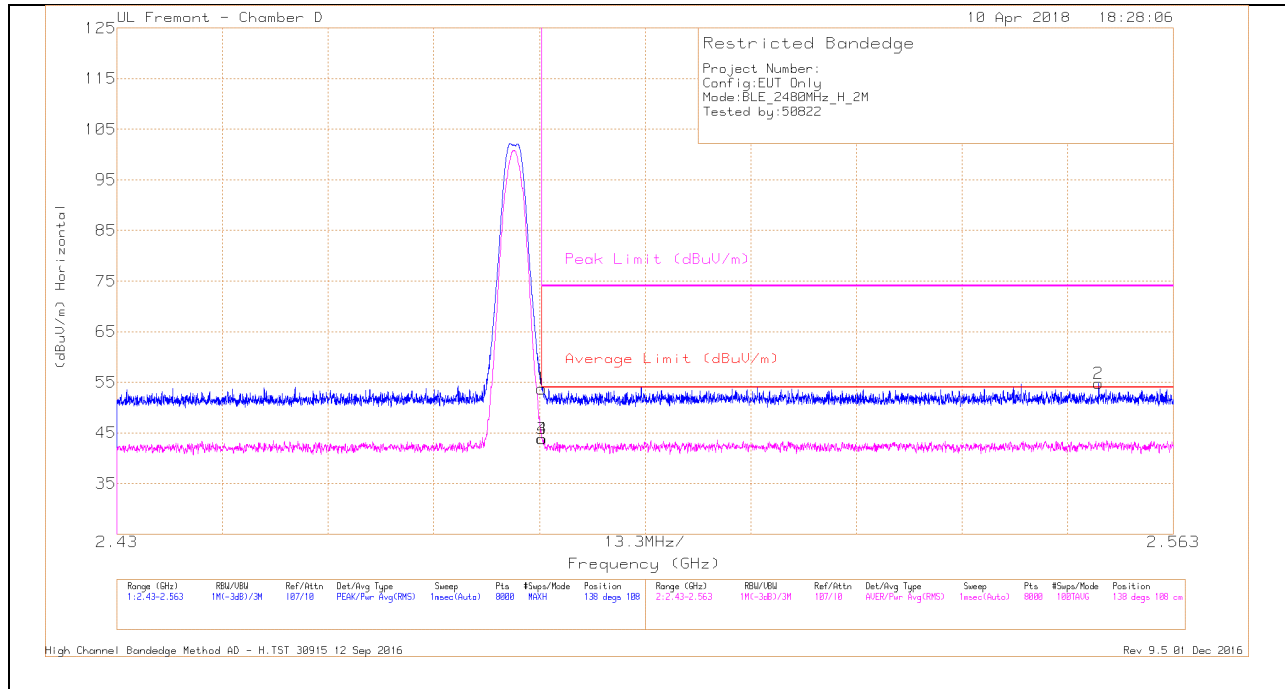
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## BANDEDGE (HIGH CHANNEL)

### HORIZONTAL RESULT



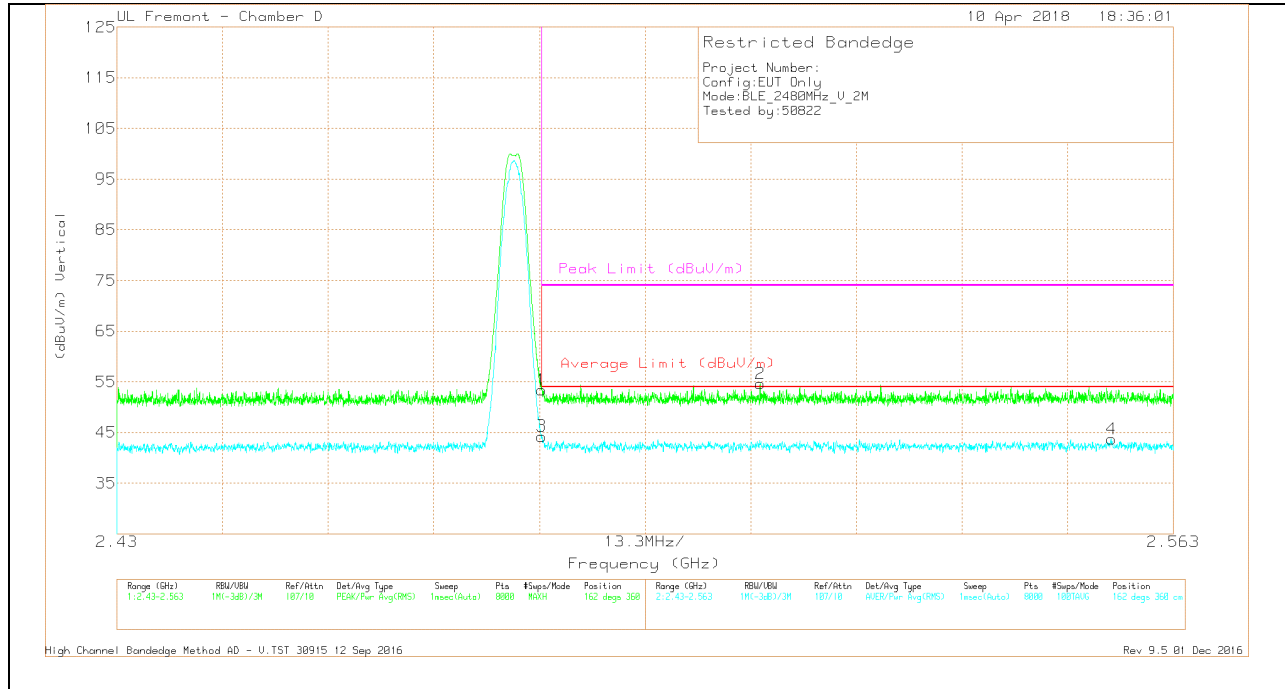
| Marker | Frequen<br>cy<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det | AF T136<br>(dB/m) | Amp/Cbl<br>/Filtr/Pad<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m<br>) | Average<br>Limit<br>(dBuV/m<br>) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m<br>) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|-----|-------------------|-------------------------------|------------------------------------------|----------------------------------|----------------|-------------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 2.484                | 41.71                      | Pk  | 32.4              | -20.4                         | 53.71                                    | -                                | -              | 74                            | -20.29               | 138               | 108            | H        |
| 3      | * 2.484                | 31.8                       | RMS | 32.4              | -20.4                         | 43.8                                     | 54                               | -10.2          | -                             | -                    | 138               | 108            | H        |
| 4      | * 2.484                | 31.87                      | RMS | 32.4              | -20.4                         | 43.87                                    | 54                               | -10.13         | -                             | -                    | 138               | 108            | H        |
| 2      | 2.554                  | 42.6                       | Pk  | 32.5              | -20.3                         | 54.8                                     | -                                | -              | 74                            | -19.2                | 138               | 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 T136 (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         | 41.44                | Pk  | 32.4           | -20.4                   | 53.44                      | -                      | -           | 74                  | -20.56         | 162            | 360         | V        |
| 3      | * 2.484         | 32.27                | RMS | 32.4           | -20.4                   | 44.27                      | 54                     | -9.73       | -                   | -              | 162            | 360         | V        |
| 2      | 2.511           | 42.53                | Pk  | 32.4           | -20.3                   | 54.63                      | -                      | -           | 74                  | -19.37         | 162            | 360         | V        |
| 4      | 2.555           | 31.49                | RMS | 32.5           | -20.3                   | 43.69                      | 54                     | -10.31      | -                   | -              | 162            | 360         | V        |

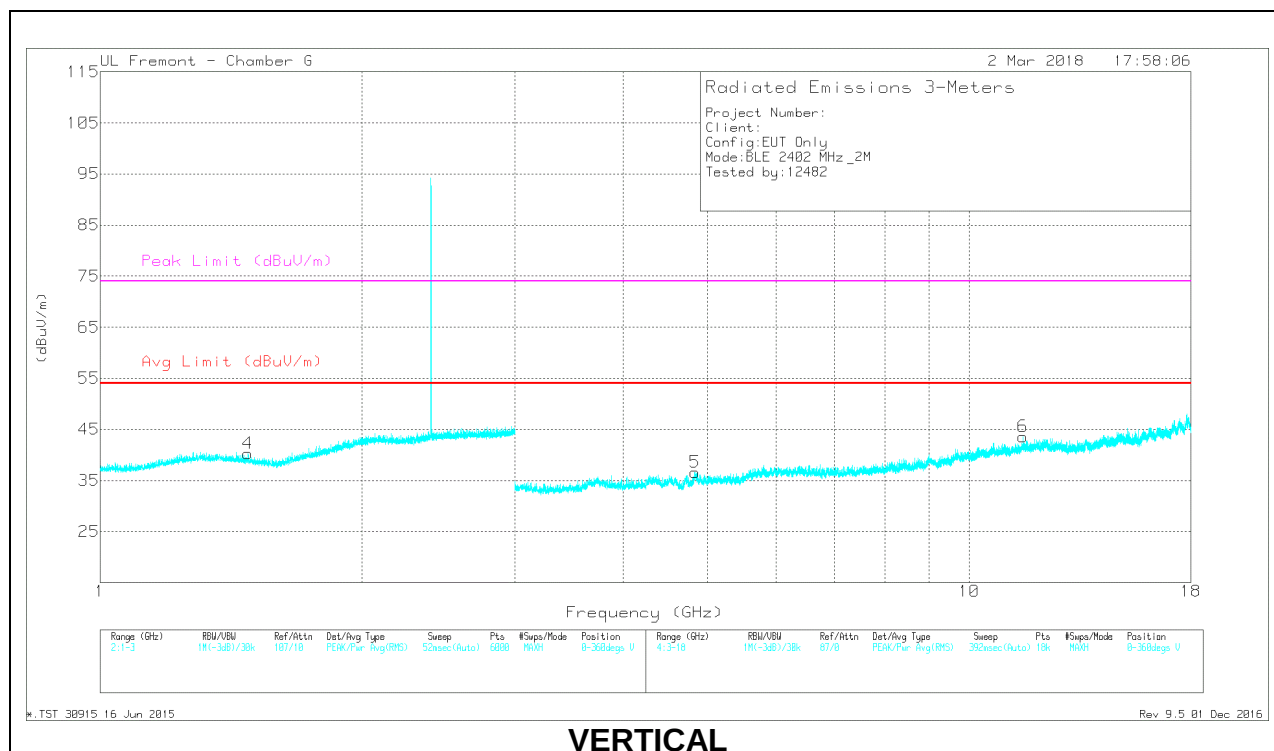
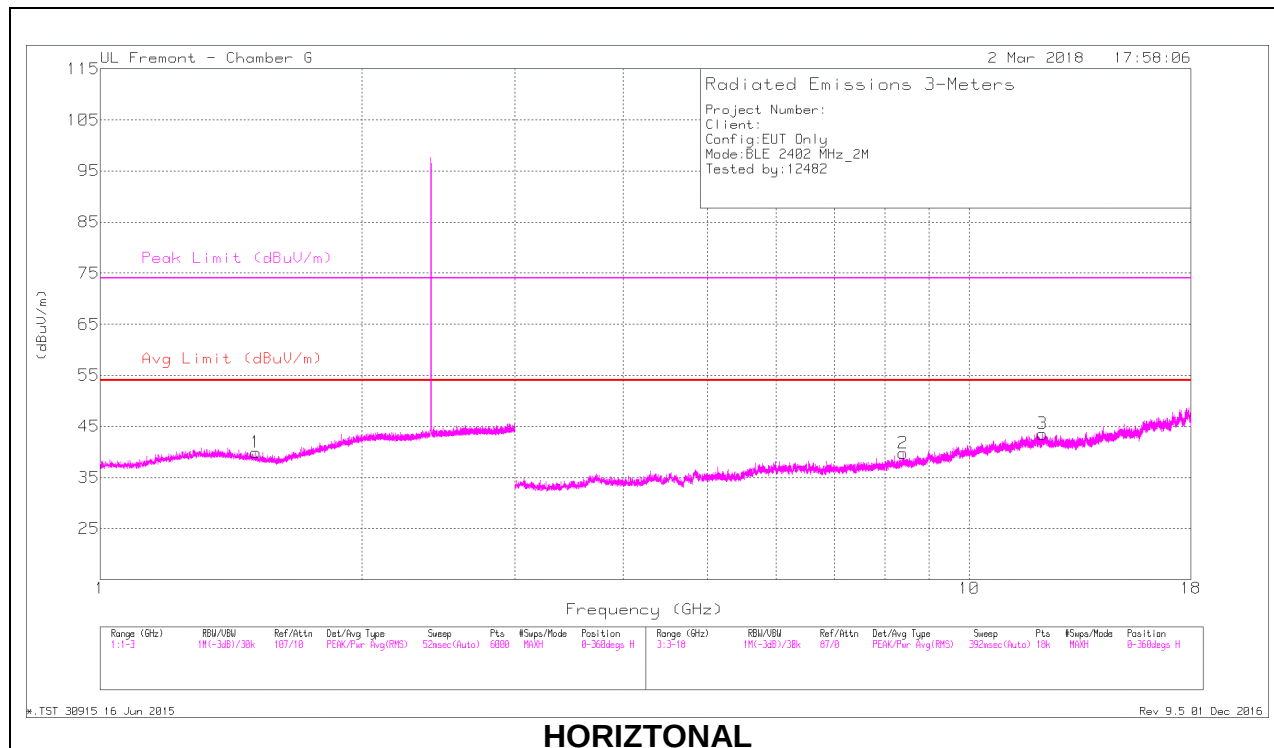
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS

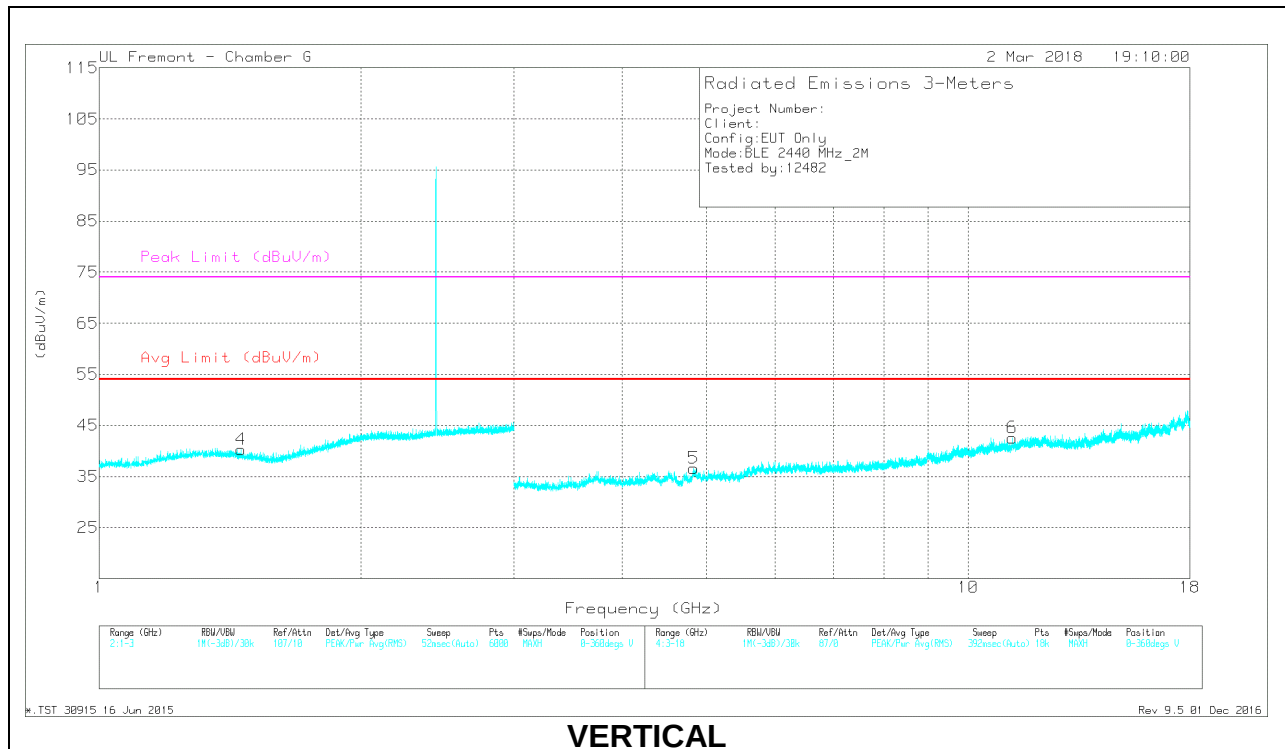
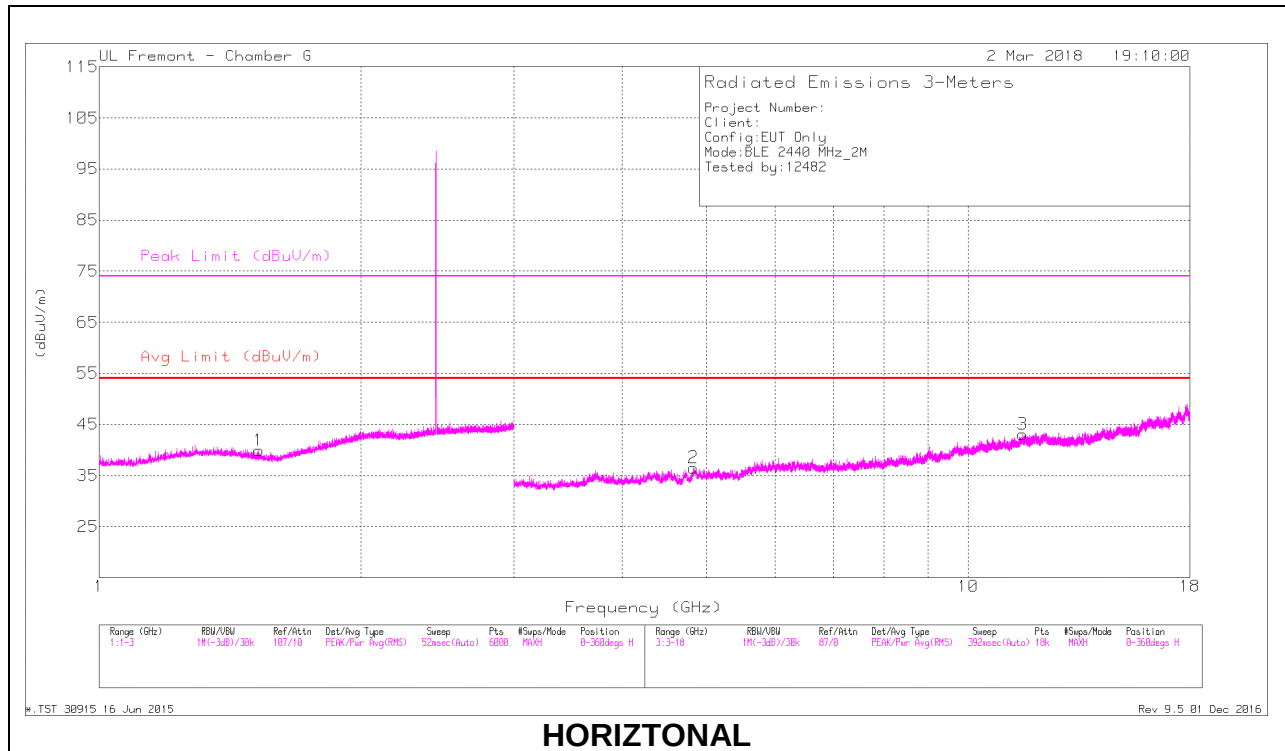


## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T345 (dB/m) | Amp/Cbl /Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.51          | 43.77                | PK2  | 28             | -25.1                   | 46.67                      | -                  | -           | 74                  | -27.33         | 143            | 301         | H        |
|        | * 1.512         | 31.53                | MAv1 | 27.9           | -25.1                   | 34.33                      | 54                 | -19.67      | -                   | -              | 143            | 301         | H        |
| 4      | * 1.478         | 43.49                | PK2  | 28.2           | -25.1                   | 46.59                      | -                  | -           | 74                  | -27.41         | 63             | 313         | V        |
|        | * 1.48          | 31.73                | MAv1 | 28.2           | -25.1                   | 34.83                      | 54                 | -19.17      | -                   | -              | 63             | 313         | V        |
| 2      | * 8.402         | 38.17                | PK2  | 36.2           | -28.7                   | 45.67                      | -                  | -           | 74                  | -28.33         | 288            | 142         | H        |
|        | * 8.403         | 26.77                | MAv1 | 36.2           | -28.7                   | 34.27                      | 54                 | -19.73      | -                   | -              | 288            | 142         | H        |
| 3      | * 12.148        | 36.52                | PK2  | 38.7           | -25.5                   | 49.72                      | -                  | -           | 74                  | -24.28         | 117            | 181         | H        |
|        | * 12.147        | 25.05                | MAv1 | 38.7           | -25.5                   | 38.25                      | 54                 | -15.75      | -                   | -              | 117            | 181         | H        |
| 5      | * 4.841         | 41.41                | PK2  | 34.1           | -32.2                   | 43.31                      | -                  | -           | 74                  | -30.69         | 308            | 175         | V        |
|        | * 4.841         | 30.08                | MAv1 | 34.1           | -32.2                   | 31.98                      | 54                 | -22.02      | -                   | -              | 308            | 175         | V        |
| 6      | * 11.532        | 36.21                | PK2  | 38.4           | -25.6                   | 49.01                      | -                  | -           | 74                  | -24.99         | 308            | 175         | V        |
|        | * 11.532        | 25.41                | MAv1 | 38.4           | -25.6                   | 38.21                      | 54                 | -15.79      | -                   | -              | 308            | 175         | 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 RESULTS

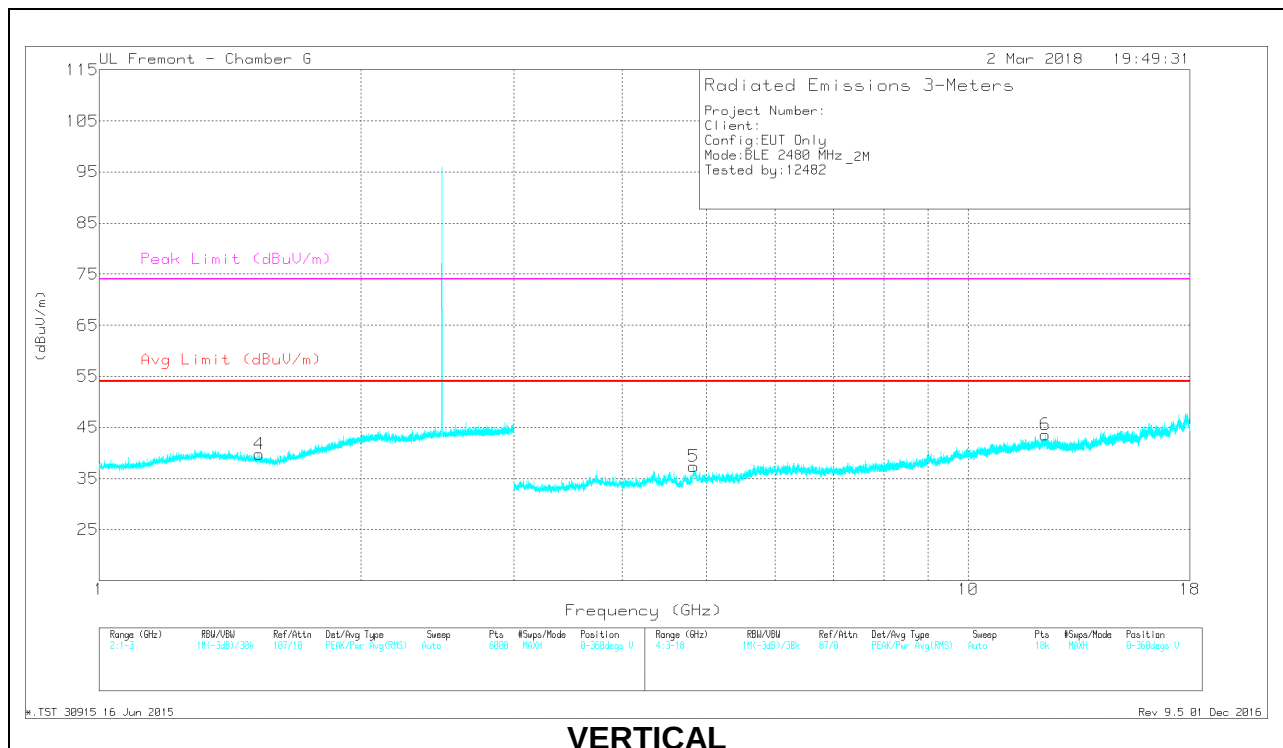
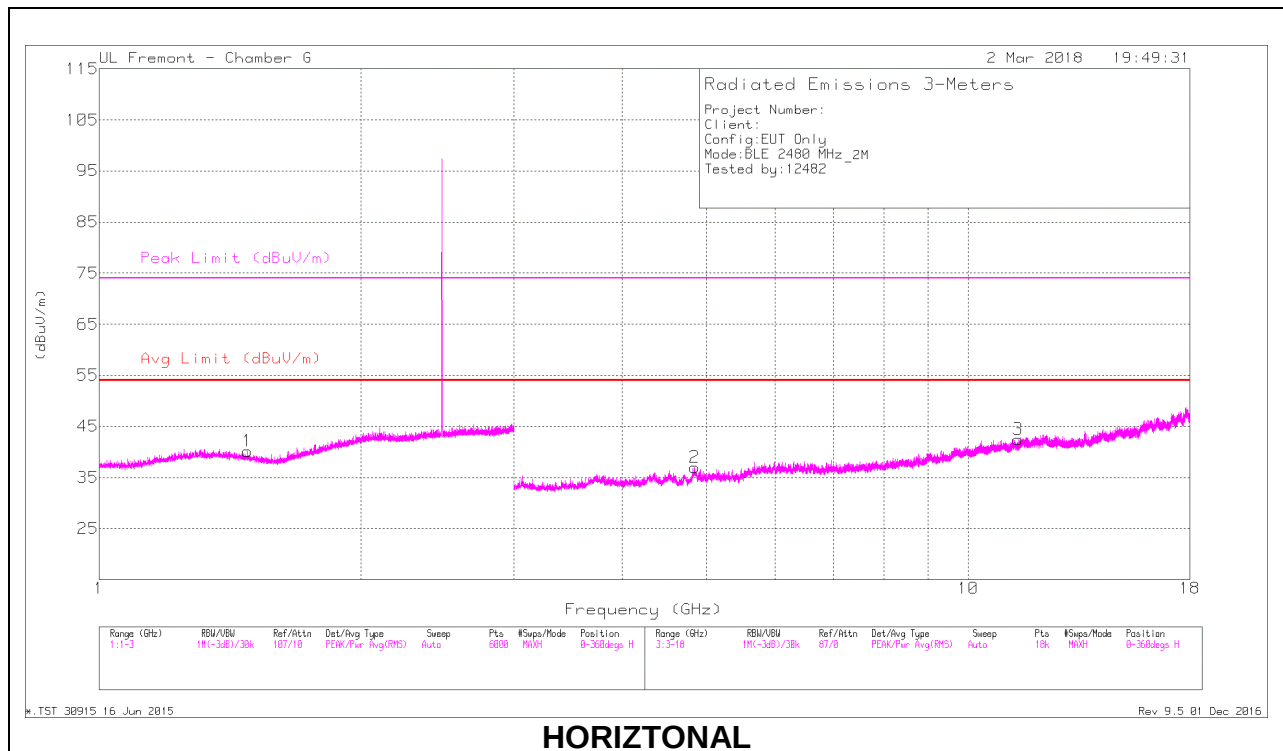


## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T345 (dB/m) | Amp/Cbl /Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.528         | 43.77                | PK2  | 27.9           | -25.1                   | 46.57                      | -                  | -           | 74                  | -27.43         | 20             | 150         | H        |
|        | * 1.528         | 31.86                | MAv1 | 27.9           | -25.1                   | 34.66                      | 54                 | -19.34      | -                   | -              | 20             | 150         | H        |
| 4      | * 1.458         | 44.01                | PK2  | 28.3           | -25.1                   | 47.21                      | -                  | -           | 74                  | -26.79         | 278            | 303         | V        |
|        | * 1.459         | 31.68                | MAv1 | 28.3           | -25.1                   | 34.88                      | 54                 | -19.12      | -                   | -              | 278            | 303         | V        |
| 2      | * 4.828         | 42.11                | PK2  | 34.1           | -32.2                   | 44.01                      | -                  | -           | 74                  | -29.99         | 222            | 101         | H        |
|        | * 4.83          | 29.98                | MAv1 | 34.1           | -32.2                   | 31.88                      | 54                 | -22.12      | -                   | -              | 222            | 101         | H        |
| 3      | * 11.553        | 36.54                | PK2  | 38.5           | -25.4                   | 49.64                      | -                  | -           | 74                  | -24.36         | 141            | 101         | H        |
|        | * 11.55         | 25.06                | MAv1 | 38.5           | -25.4                   | 38.16                      | 54                 | -15.84      | -                   | -              | 141            | 101         | H        |
| 5      | * 4.832         | 41.02                | PK2  | 34.1           | -32.2                   | 42.92                      | -                  | -           | 74                  | -31.08         | 336            | 112         | V        |
|        | * 4.833         | 29.69                | MAv1 | 34.1           | -32.2                   | 31.59                      | 54                 | -22.41      | -                   | -              | 336            | 112         | V        |
| 6      | * 11.246        | 35.83                | PK2  | 38.1           | -25.4                   | 48.53                      | -                  | -           | 74                  | -25.47         | 0              | 314         | V        |
|        | * 11.247        | 24.27                | MAv1 | 38.1           | -25.4                   | 36.97                      | 54                 | -17.03      | -                   | -              | 0              | 314         | 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 RESULTS



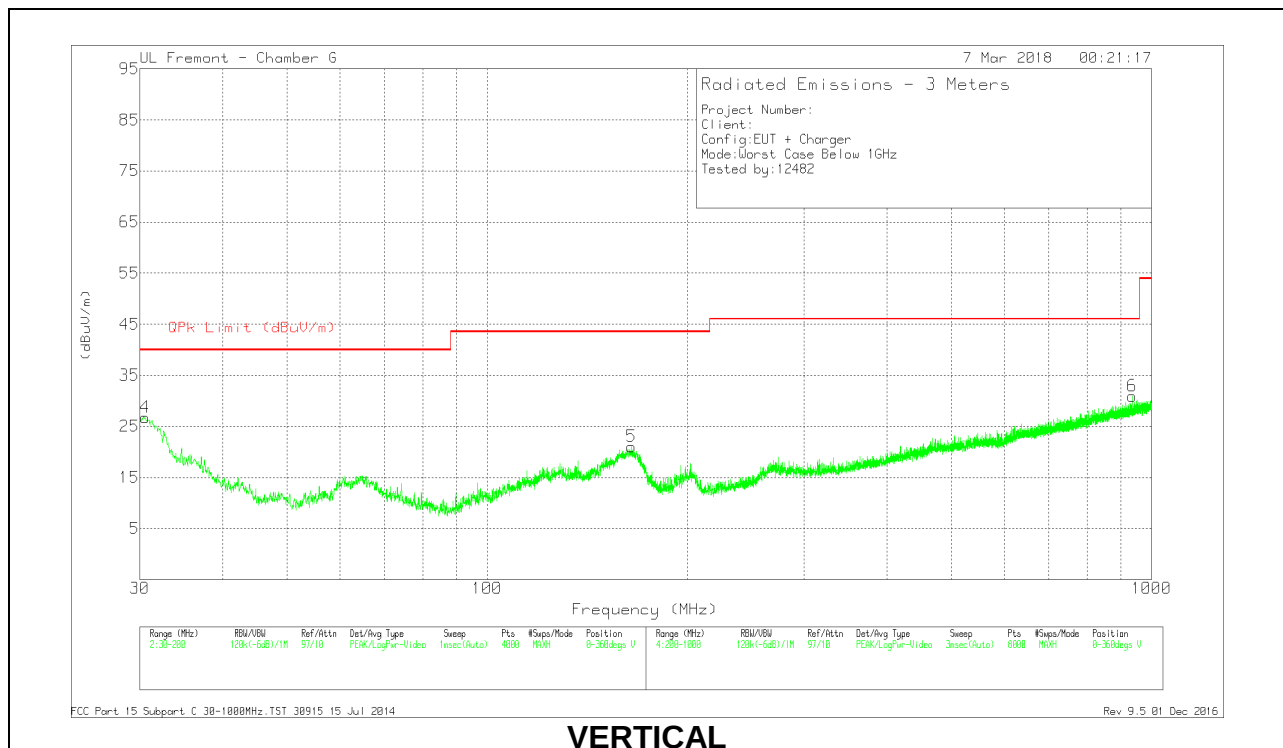
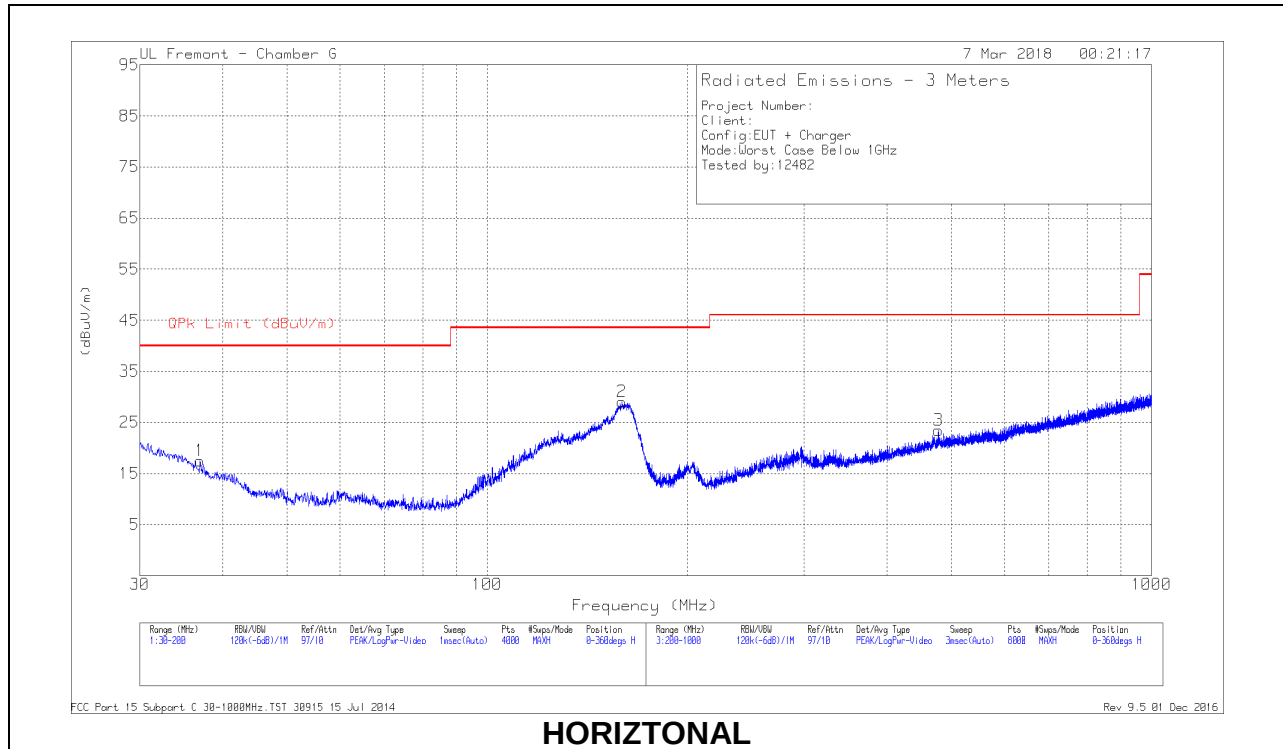
## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T345 (dB/m) | Amp/Cbl /Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.481         | 44.01                | PK2  | 28.1           | -25.1                   | 47.01                      | -                  | -           | 74                  | -26.99         | 91             | 373         | H        |
|        | * 1.483         | 31.73                | MAv1 | 28.1           | -25.1                   | 34.73                      | 54                 | -19.27      | -                   | -              | 91             | 373         | H        |
| 4      | * 1.529         | 44                   | PK2  | 27.8           | -25.1                   | 46.7                       | -                  | -           | 74                  | -27.3          | 335            | 395         | V        |
|        | * 1.527         | 31.8                 | MAv1 | 27.9           | -25.1                   | 34.6                       | 54                 | -19.4       | -                   | -              | 335            | 395         | V        |
| 2      | * 4.85          | 41.32                | PK2  | 34.1           | -32.2                   | 43.22                      | -                  | -           | 74                  | -30.78         | 26             | 292         | H        |
|        | * 4.848         | 29.76                | MAv1 | 34.1           | -32.2                   | 31.66                      | 54                 | -22.34      | -                   | -              | 26             | 292         | H        |
| 3      | * 11.412        | 36.76                | PK2  | 38.3           | -26.2                   | 48.86                      | -                  | -           | 74                  | -25.14         | 127            | 153         | H        |
|        | * 11.409        | 25.28                | MAv1 | 38.3           | -26.2                   | 37.38                      | 54                 | -16.62      | -                   | -              | 127            | 153         | H        |
| 5      | * 4.835         | 41.58                | PK2  | 34.1           | -32.2                   | 43.48                      | -                  | -           | 74                  | -30.52         | 325            | 381         | V        |
|        | * 4.835         | 29.96                | MAv1 | 34.1           | -32.2                   | 31.86                      | 54                 | -22.14      | -                   | -              | 325            | 381         | V        |
| 6      | * 12.282        | 36.89                | PK2  | 38.7           | -25.1                   | 50.49                      | -                  | -           | 74                  | -23.51         | 333            | 258         | V        |
|        | * 12.279        | 24.77                | MAv1 | 38.7           | -25.2                   | 38.27                      | 54                 | -15.73      | -                   | -              | 333            | 258         | V        |

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 MAv1 - KDB558074 Option 1 Maximum RMS Average

### 9.3. Worst Case Below 1 GHz

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

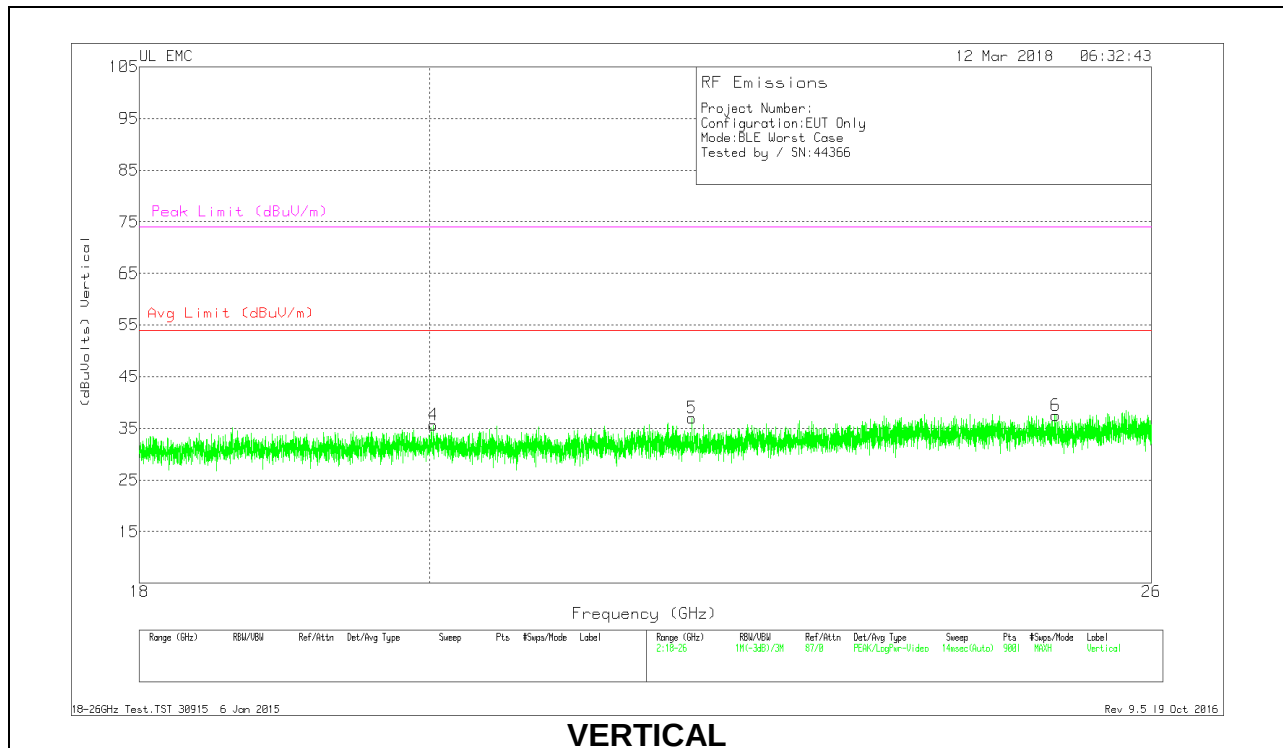
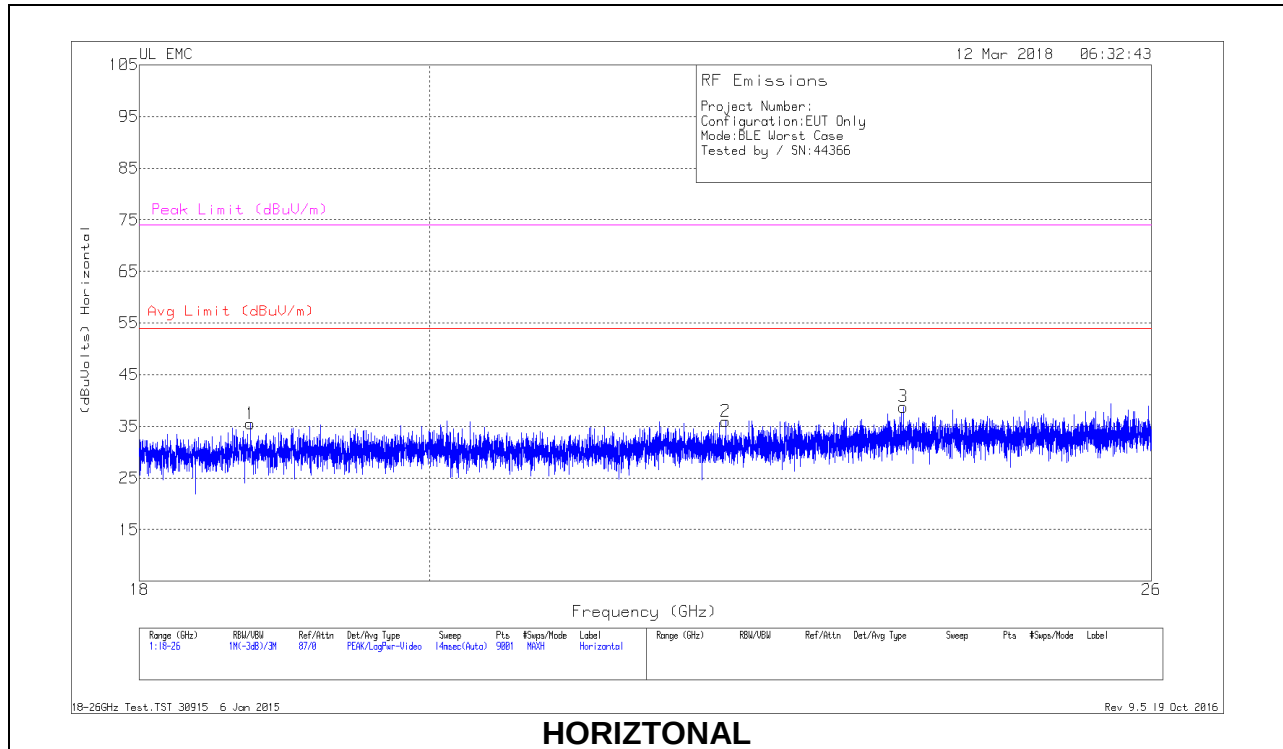


## Below 1GHz Data

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF T407 (dB/m) | Amp Cbl (dB) | Corrected Reading (dBuV/m) | QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|--------------|----------------------------|--------------------|-------------|----------------|-------------|----------|
| 5      | * 164.8874      | 35.06                | Pk  | 15.9           | -29.9        | 21.06                      | 43.52              | -22.46      | 0-360          | 100         | V        |
| 4      | 30.5526         | 34.09                | Pk  | 23.8           | -31.2        | 26.69                      | 40                 | -13.31      | 0-360          | 100         | V        |
| 1      | 36.9718         | 29.07                | Pk  | 19.5           | -31.1        | 17.47                      | 40                 | -22.53      | 0-360          | 99          | H        |
| 2      | 159.4885        | 42.71                | Pk  | 16.2           | -29.9        | 29.01                      | 43.52              | -14.51      | 0-360          | 200         | H        |
| 3      | 477.7361        | 29.8                 | Pk  | 21.6           | -28          | 23.4                       | 46.02              | -22.62      | 0-360          | 100         | H        |
| 6      | 935.9957        | 29.99                | Pk  | 26.4           | -25.5        | 30.89                      | 46.02              | -15.13      | 0-360          | 300         | V        |

## 9.4. Worst Case 18-26 GHz

### SPURIOUS EMISSIONS 18-26 GHz (WORST-CASE CONFIGURATION)



## 18 – 26GHz DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | T89 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      | 18.74           | 37.03                | Pk  | 32.6          | -24.6        | -9.5           | 35.53                        | 54                 | -18.47      | 74                  | -38.47         |
| 2      | 22.273          | 37.39                | Pk  | 32.8          | -24.7        | -9.5           | 35.99                        | 54                 | -18.01      | 74                  | -38.01         |
| 3      | 23.757          | 38.66                | Pk  | 33.8          | -24.2        | -9.5           | 38.76                        | 54                 | -15.24      | 74                  | -35.24         |
| 4      | 20.028          | 37.32                | Pk  | 33            | -25.2        | -9.5           | 35.62                        | 54                 | -18.38      | 74                  | -38.38         |
| 5      | 22.002          | 38.5                 | Pk  | 33.2          | -25.2        | -9.5           | 37                           | 54                 | -17         | 74                  | -37            |
| 6      | 25.111          | 37.58                | Pk  | 33.9          | -24.5        | -9.5           | 37.48                        | 54                 | -16.52      | 74                  | -36.52         |

## 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.

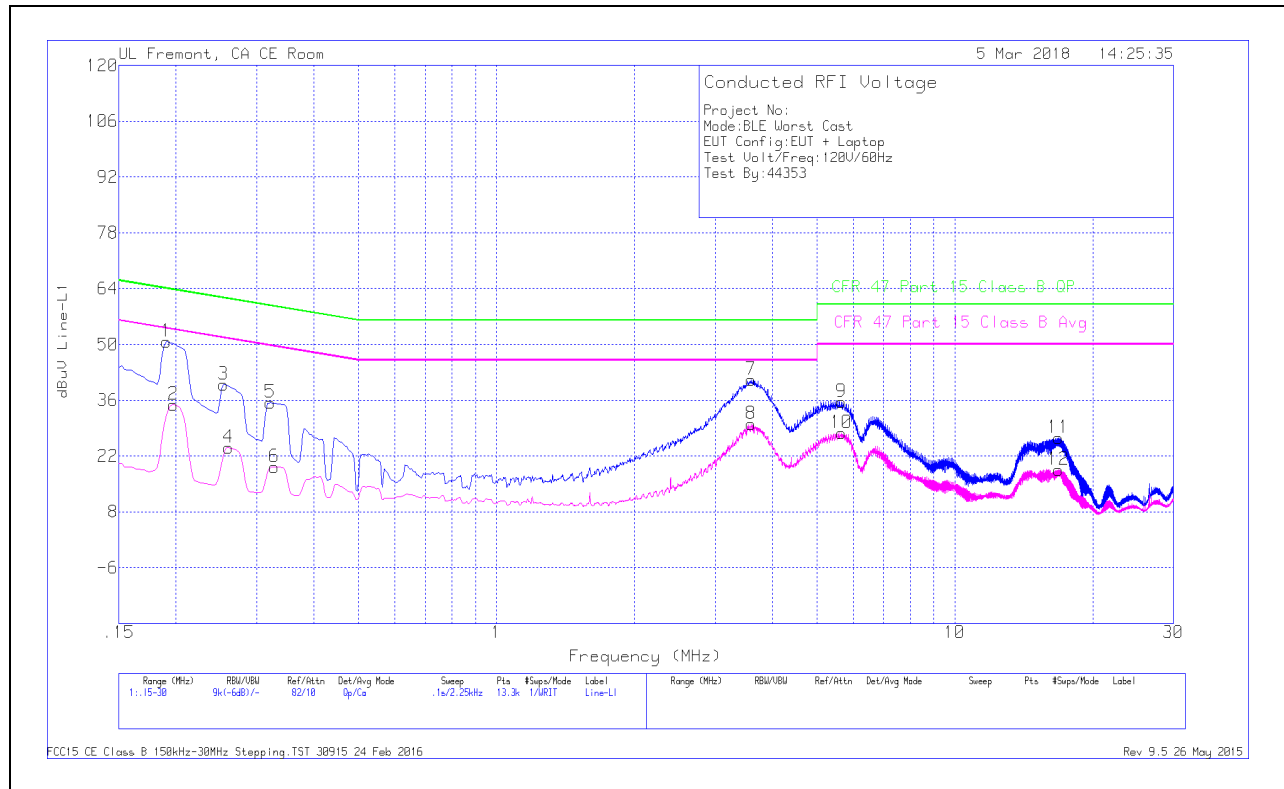
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

### RESULTS

### 10.1.1. AC Power Line Host

### LINE 1 RESULTS



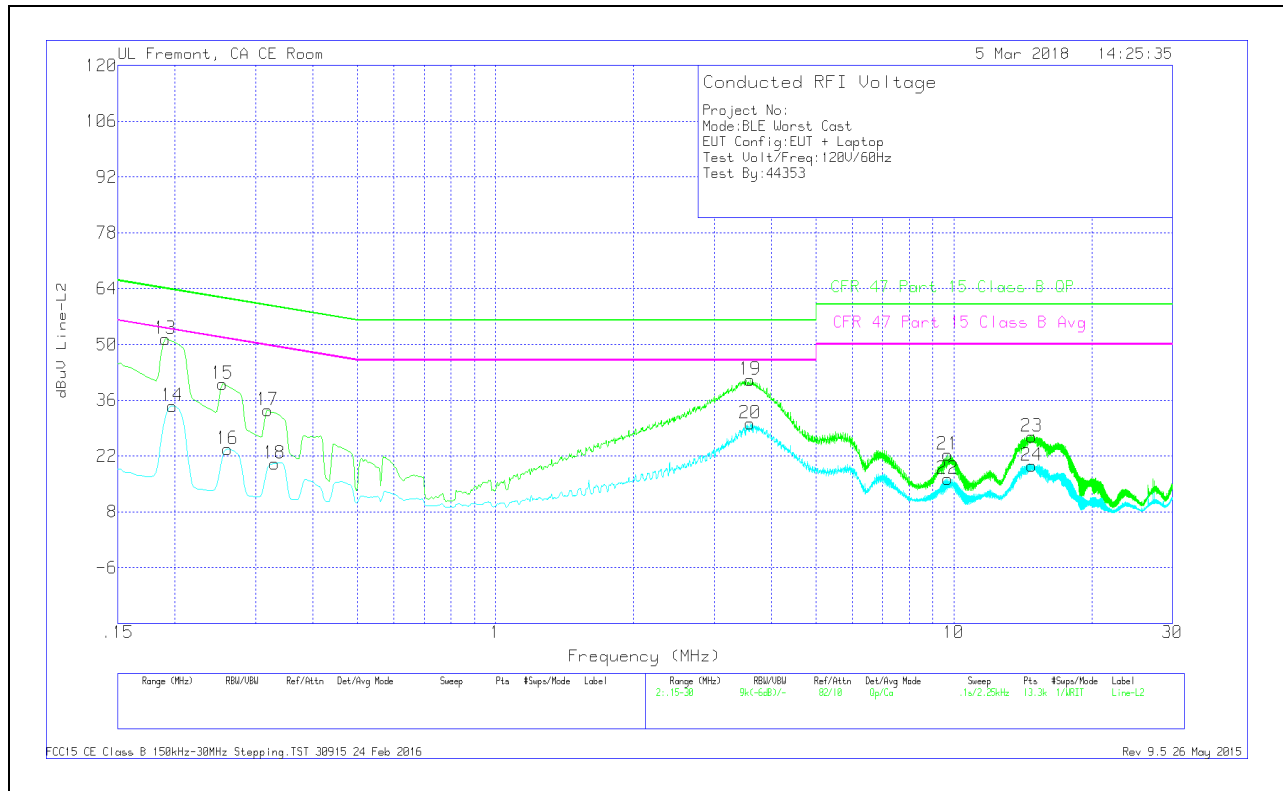
Range 1: Line-L1 .15 - 30MHz

| 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      | .1905           | 40.57                | Qp  | 0       | 0               | 10.1         | 50.67                  | 64.01                     | -13.34         | -                          | -                     |
| 2      | .19725          | 24.85                | Ca  | 0       | 0               | 10.1         | 34.95                  | -                         | -              | 53.73                      | -18.78                |
| 3      | .2535           | 29.8                 | Qp  | 0       | 0               | 10.1         | 39.9                   | 61.64                     | -21.74         | -                          | -                     |
| 4      | .26025          | 14.06                | Ca  | 0       | 0               | 10.1         | 24.16                  | -                         | -              | 51.42                      | -27.26                |
| 5      | .321            | 25.23                | Qp  | 0       | 0               | 10.1         | 35.33                  | 59.68                     | -24.35         | -                          | -                     |
| 6      | .32775          | 9.19                 | Ca  | 0       | 0               | 10.1         | 19.29                  | -                         | -              | 49.51                      | -30.22                |
| 7      | 3.5925          | 31.01                | Qp  | 0       | .1              | 10.1         | 41.21                  | 56                        | -14.79         | -                          | -                     |
| 8      | 3.5925          | 19.85                | Ca  | 0       | .1              | 10.1         | 30.05                  | -                         | -              | 46                         | -15.95                |
| 9      | 5.6535          | 25.19                | Qp  | 0       | .2              | 10.2         | 35.59                  | 60                        | -24.41         | -                          | -                     |
| 10     | 5.6535          | 17.39                | Ca  | 0       | .2              | 10.2         | 27.79                  | -                         | -              | 50                         | -22.21                |
| 11     | 16.8315         | 15.89                | Qp  | 0       | .3              | 10.3         | 26.49                  | 60                        | -33.51         | -                          | -                     |
| 12     | 16.8315         | 7.9                  | Ca  | 0       | .3              | 10.3         | 18.5                   | -                         | -              | 50                         | -31.5                 |

Qp - Quasi-Peak detector

Ca - CISPR average detection

## LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz

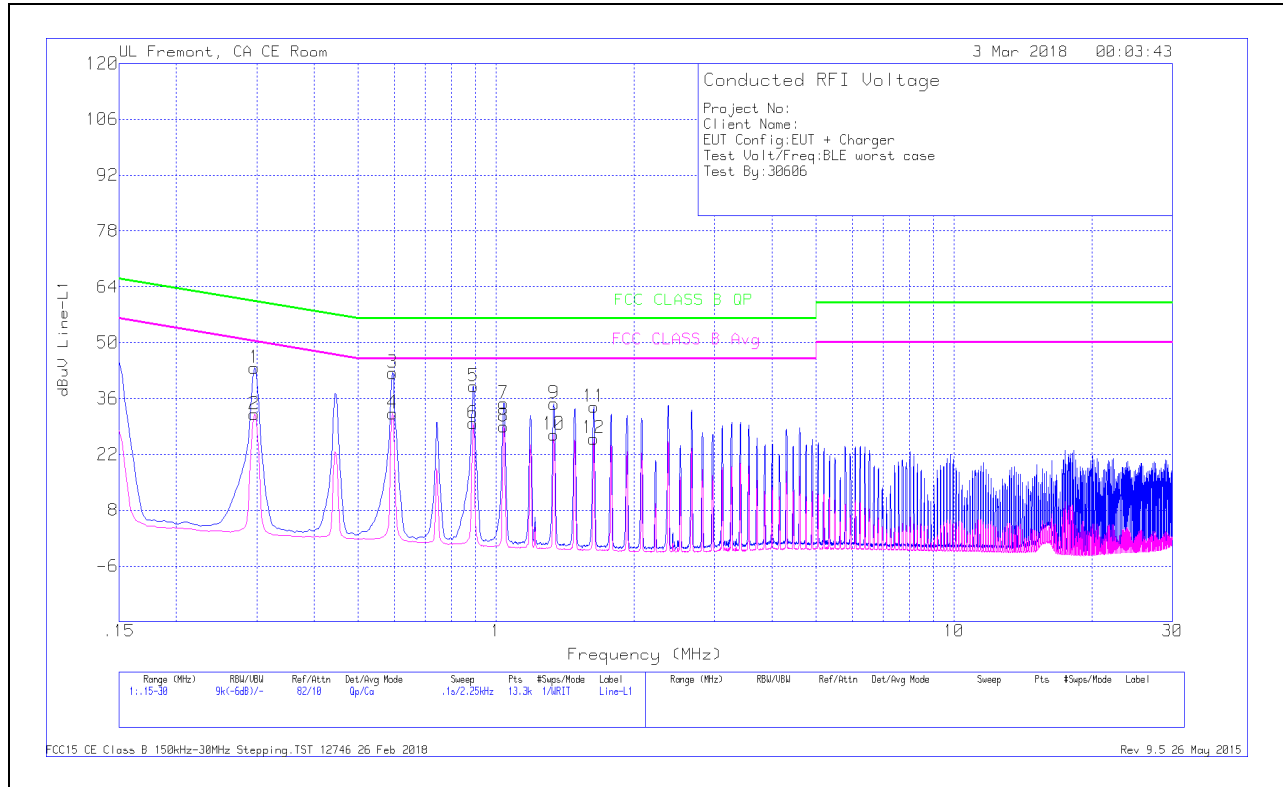
| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | LISN L2 | LC Cables C2&C3 | Limiter (dB) | Corrected Reading dBuV | CFR 47 Part 15 Class B QP | QP Margin (dB) | CFR 47 Part 15 Class B Avg | Av(CISPR) Margin (dB) |
|--------|-----------------|----------------------|-----|---------|-----------------|--------------|------------------------|---------------------------|----------------|----------------------------|-----------------------|
| 13     | .1905           | 41.23                | Qp  | 0       | 0               | 10.1         | 51.33                  | 64.01                     | -12.68         | -                          | -                     |
| 14     | .19725          | 24.48                | Ca  | 0       | 0               | 10.1         | 34.58                  | -                         | -              | 53.73                      | -19.15                |
| 15     | .2535           | 30.04                | Qp  | 0       | 0               | 10.1         | 40.14                  | 61.64                     | -21.5          | -                          | -                     |
| 16     | .26025          | 13.62                | Ca  | 0       | 0               | 10.1         | 23.72                  | -                         | -              | 51.42                      | -27.7                 |
| 17     | .31875          | 23.39                | Qp  | 0       | 0               | 10.1         | 33.49                  | 59.74                     | -26.25         | -                          | -                     |
| 18     | .33             | 10.04                | Ca  | 0       | 0               | 10.1         | 20.14                  | -                         | -              | 49.45                      | -29.31                |
| 19     | 3.5925          | 30.89                | Qp  | 0       | .1              | 10.1         | 41.09                  | 56                        | -14.91         | -                          | -                     |
| 20     | 3.5925          | 19.99                | Ca  | 0       | .1              | 10.1         | 30.19                  | -                         | -              | 46                         | -15.81                |
| 21     | 9.70575         | 12.01                | Qp  | 0       | .2              | 10.2         | 22.41                  | 60                        | -37.59         | -                          | -                     |
| 22     | 9.70125         | 5.9                  | Ca  | 0       | .2              | 10.2         | 16.3                   | -                         | -              | 50                         | -33.7                 |
| 23     | 14.802          | 16.26                | Qp  | .1      | .3              | 10.2         | 26.86                  | 60                        | -33.14         | -                          | -                     |
| 24     | 14.80425        | 9.03                 | Ca  | .1      | .3              | 10.2         | 19.63                  | -                         | -              | 50                         | -30.37                |

Qp - Quasi-Peak detector

Ca - CISPR average detection

## 10.1.2. AC Power Line Norm

### LINE 1 RESULTS



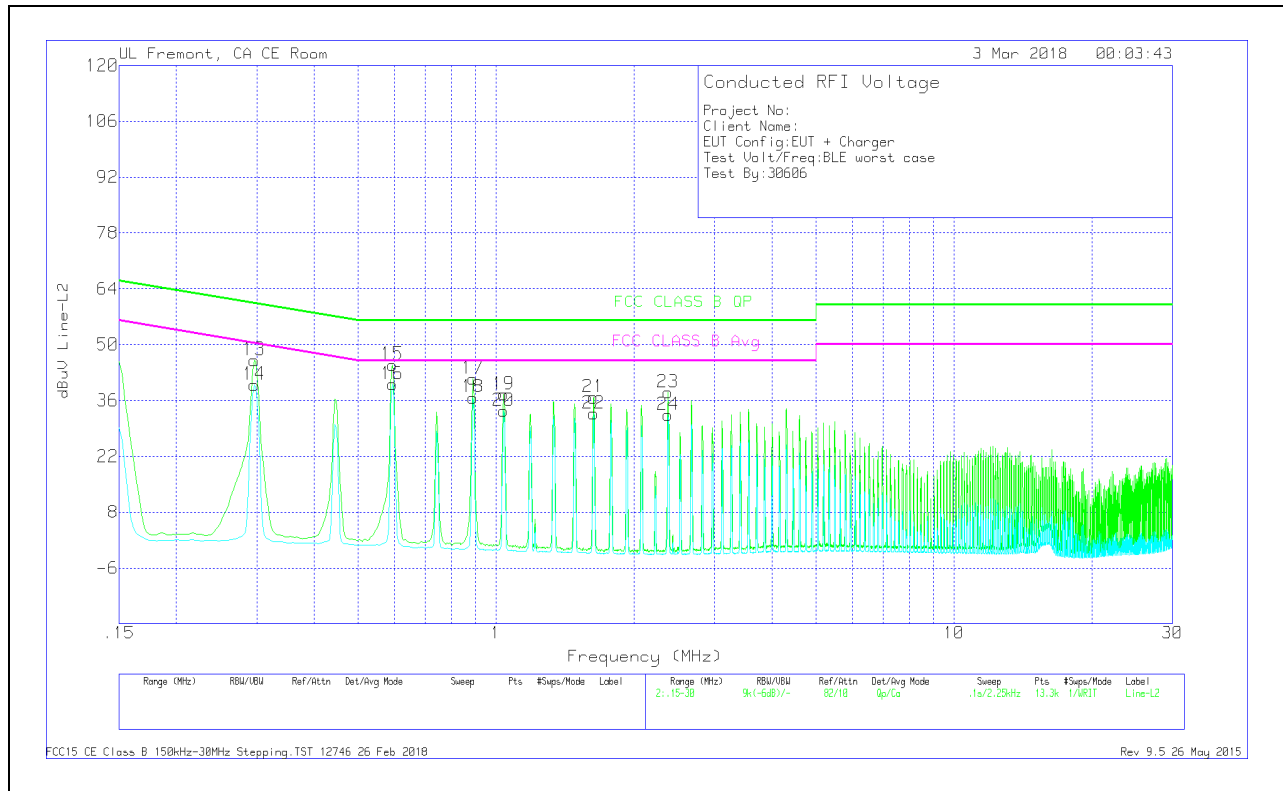
Range 1: Line-L1 .15 - 30MHz

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | LISN L1 | LC Cables C1&C3 | Corrected Reading dBuV | FCC CLASS B QP | Margin (dB) | FCC CLASS B Avg | Margin (dB) |
|--------|-----------------|----------------------|-----|---------|-----------------|------------------------|----------------|-------------|-----------------|-------------|
| 1      | .29625          | 43.65                | Qp  | 0       | 0               | 43.65                  | 60.35          | -16.7       | -               | -           |
| 2      | .29625          | 32.02                | Ca  | 0       | 0               | 32.02                  | -              | -           | 50.35           | -18.33      |
| 3      | .59325          | 42.42                | Qp  | 0       | 0               | 42.42                  | 56             | -13.58      | -               | -           |
| 4      | .59325          | 32.24                | Ca  | 0       | 0               | 32.24                  | -              | -           | 46              | -13.76      |
| 5      | .8925           | 39.04                | Qp  | 0       | 0               | 39.04                  | 56             | -16.96      | -               | -           |
| 6      | .89025          | 29.78                | Ca  | 0       | 0               | 29.78                  | -              | -           | 46              | -16.22      |
| 7      | 1.03875         | 34.68                | Qp  | 0       | .1              | 34.78                  | 56             | -21.22      | -               | -           |
| 8      | 1.03875         | 28.9                 | Ca  | 0       | .1              | 29                     | -              | -           | 46              | -17         |
| 9      | 1.338           | 34.61                | Qp  | 0       | .1              | 34.71                  | 56             | -21.29      | -               | -           |
| 10     | 1.33575         | 26.84                | Ca  | 0       | .1              | 26.94                  | -              | -           | 46              | -19.06      |
| 11     | 1.635           | 33.84                | Qp  | 0       | .1              | 33.94                  | 56             | -22.06      | -               | -           |
| 12     | 1.63275         | 25.88                | Ca  | 0       | .1              | 25.98                  | -              | -           | 46              | -20.02      |

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 | Corrected Reading dBuV | FCC CLASS B QP | Margin (dB) | FCC CLASS B Avg | Margin (dB) |
|--------|-----------------|----------------------|-----|---------|-----------------|------------------------|----------------|-------------|-----------------|-------------|
| 13     | .29625          | 46.13                | Qp  | 0       | 0               | 46.13                  | 60.35          | -14.22      | -               | -           |
| 14     | .29625          | 39.94                | Ca  | 0       | 0               | 39.94                  | -              | -           | 50.35           | -10.41      |
| 15     | .59325          | 44.92                | Qp  | 0       | 0               | 44.92                  | 56             | -11.08      | -               | -           |
| 16     | .59325          | 40.09                | Ca  | 0       | 0               | 40.09                  | -              | -           | 46              | -5.91       |
| 17     | .89025          | 41.5                 | Qp  | 0       | 0               | 41.5                   | 56             | -14.5       | -               | -           |
| 18     | .89025          | 36.75                | Ca  | 0       | 0               | 36.75                  | -              | -           | 46              | -9.25       |
| 19     | 1.03875         | 37.4                 | Qp  | 0       | .1              | 37.5                   | 56             | -18.5       | -               | -           |
| 20     | 1.03875         | 33.32                | Ca  | 0       | .1              | 33.42                  | -              | -           | 46              | -12.58      |
| 21     | 1.6305          | 36.67                | Qp  | 0       | .1              | 36.77                  | 56             | -19.23      | -               | -           |
| 22     | 1.63275         | 32.62                | Ca  | 0       | .1              | 32.72                  | -              | -           | 46              | -13.28      |
| 23     | 2.373           | 37.94                | Qp  | 0       | .1              | 38.04                  | 56             | -17.96      | -               | -           |
| 24     | 2.37525         | 32.29                | Ca  | 0       | .1              | 32.39                  | -              | -           | 46              | -13.61      |

Qp - Quasi-Peak detector

Ca - CISPR average detection

BT\_EUT with Laptop\_Worst Case.DAT 30915 24 Feb 2016

Rev 9.5 26 May 2015

## END OF REPORT

## **11. SETUP PHOTOS**

Please refer to 12204447-EP1V1 for setup photos