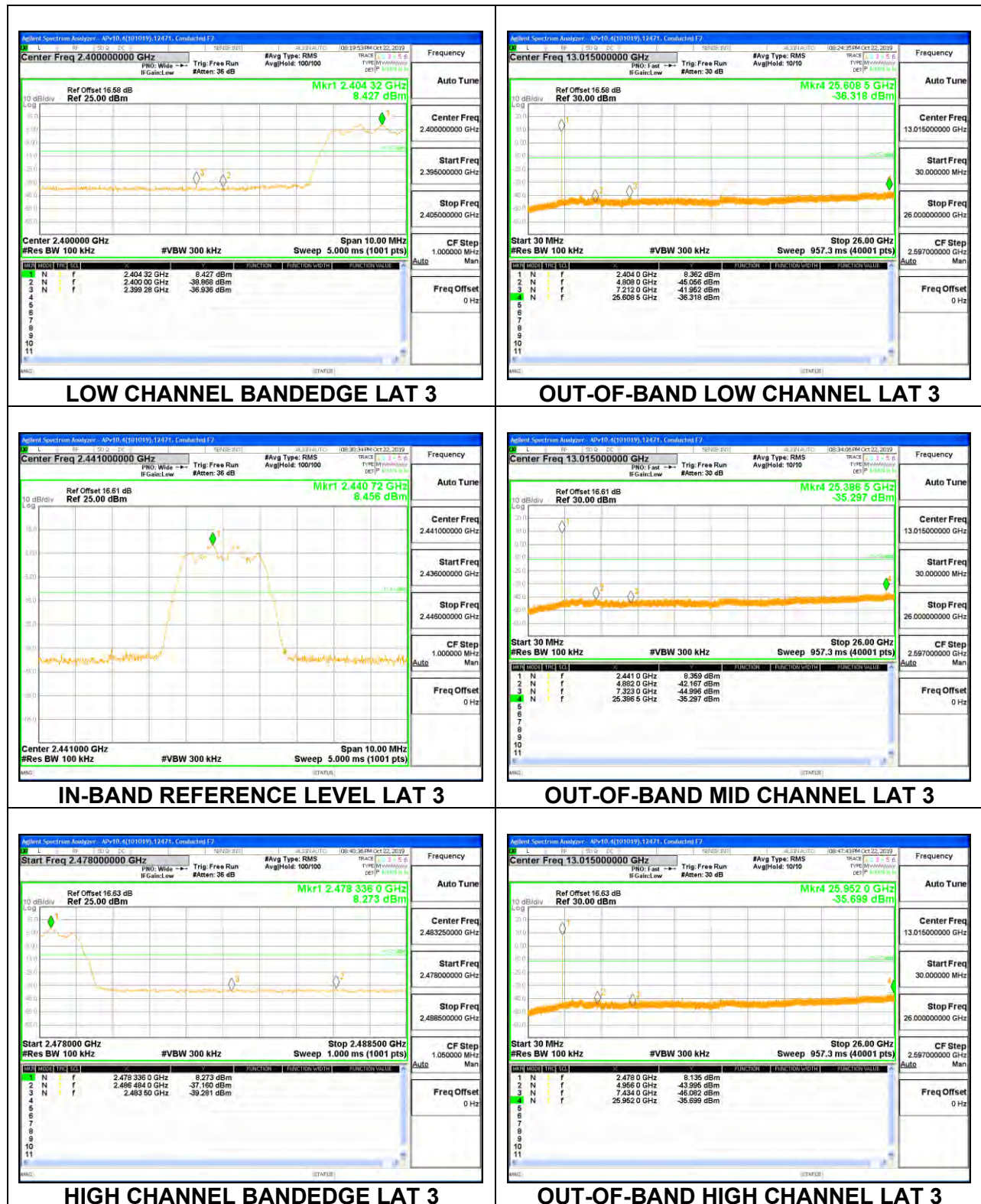
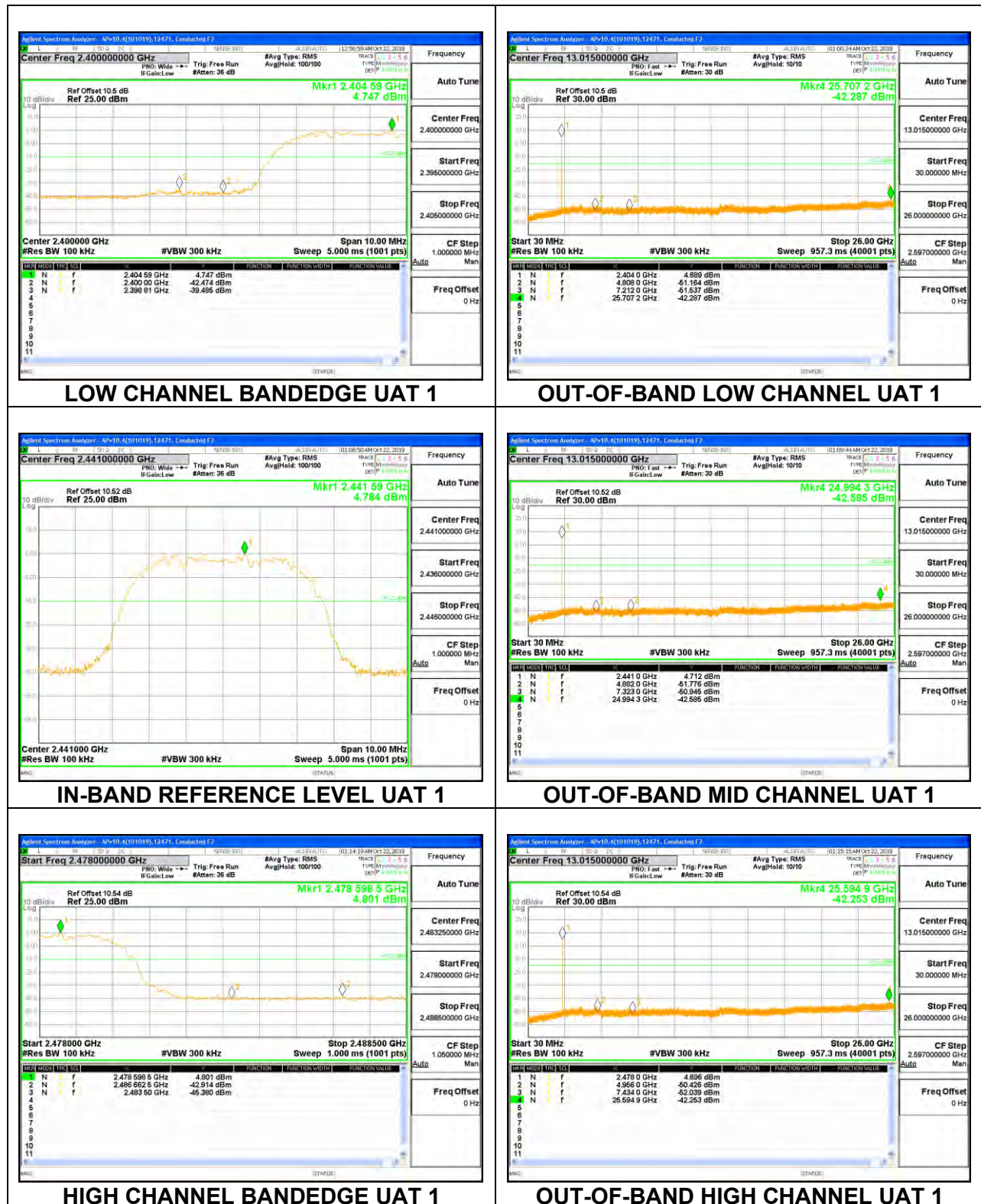
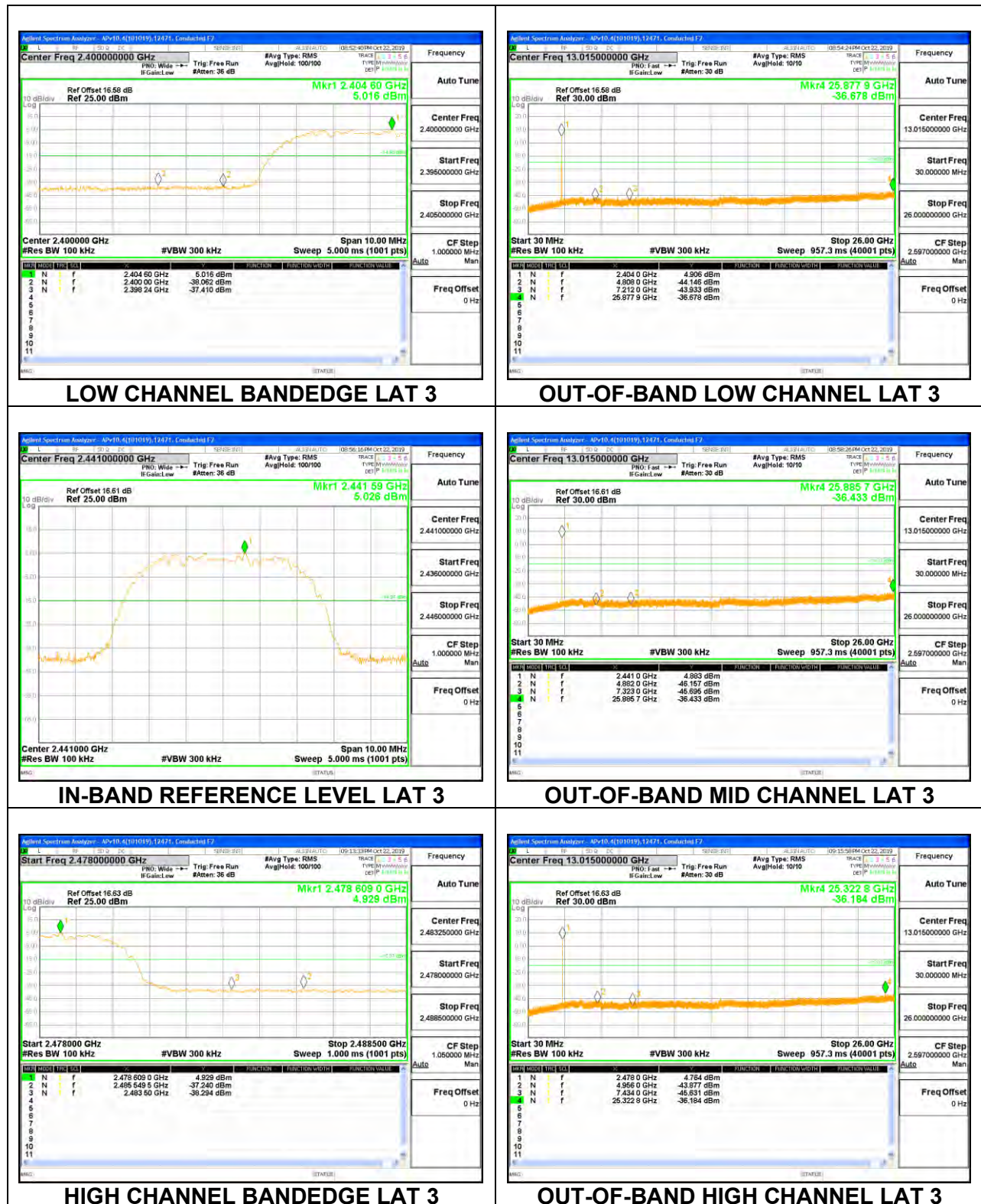


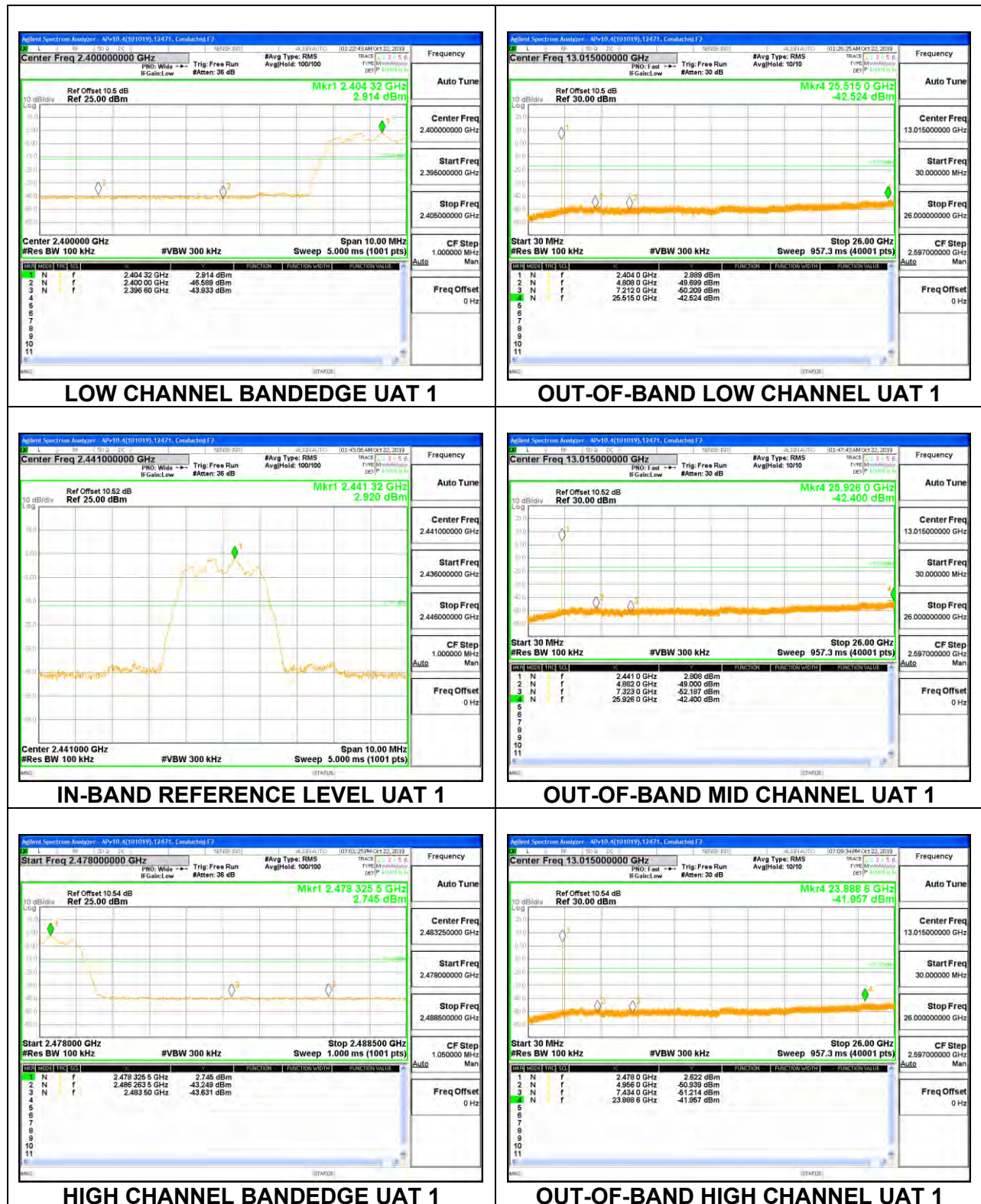


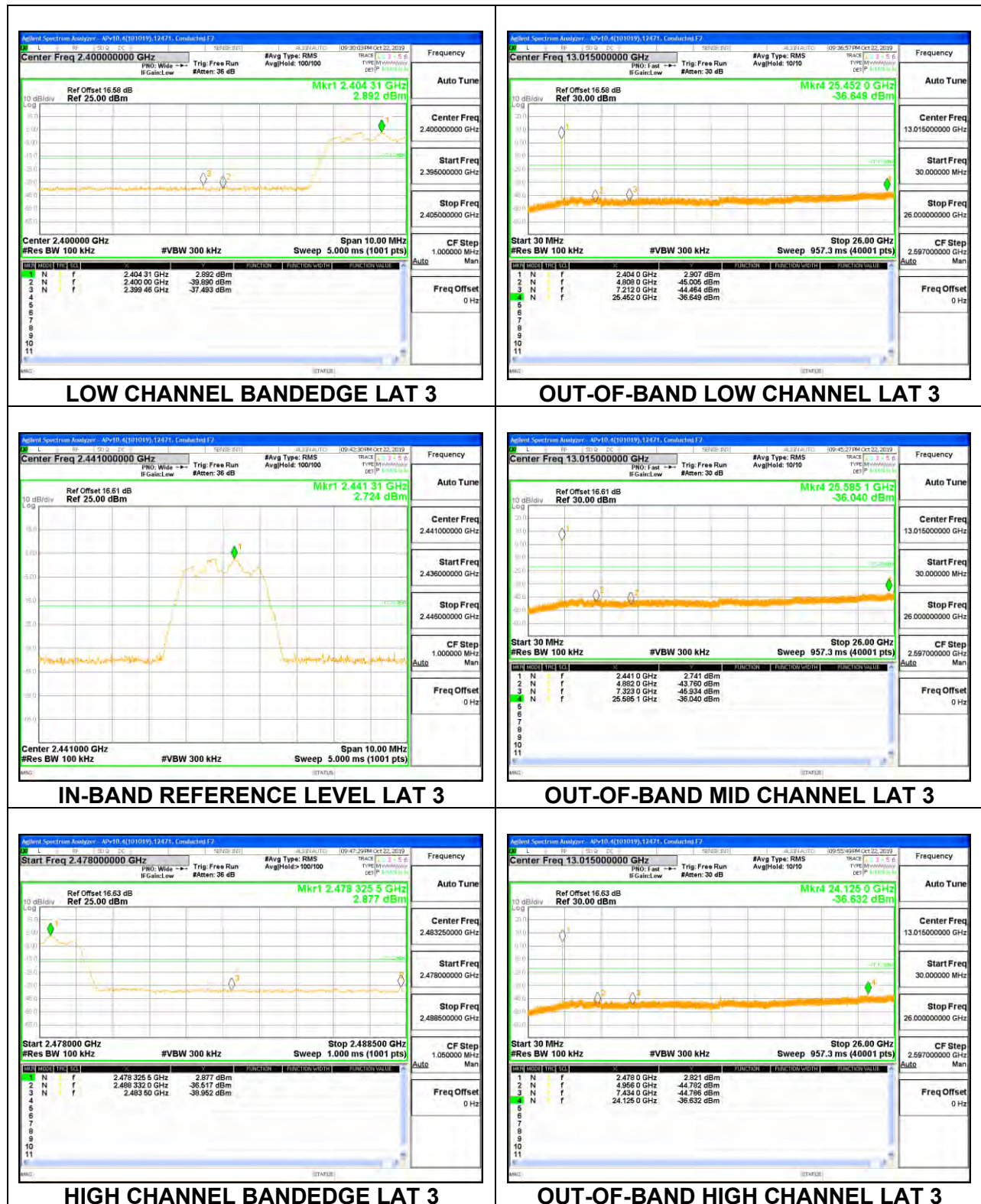
## 8.7.6. BEAMFORMING HIGH POWER HDR (HDR8)



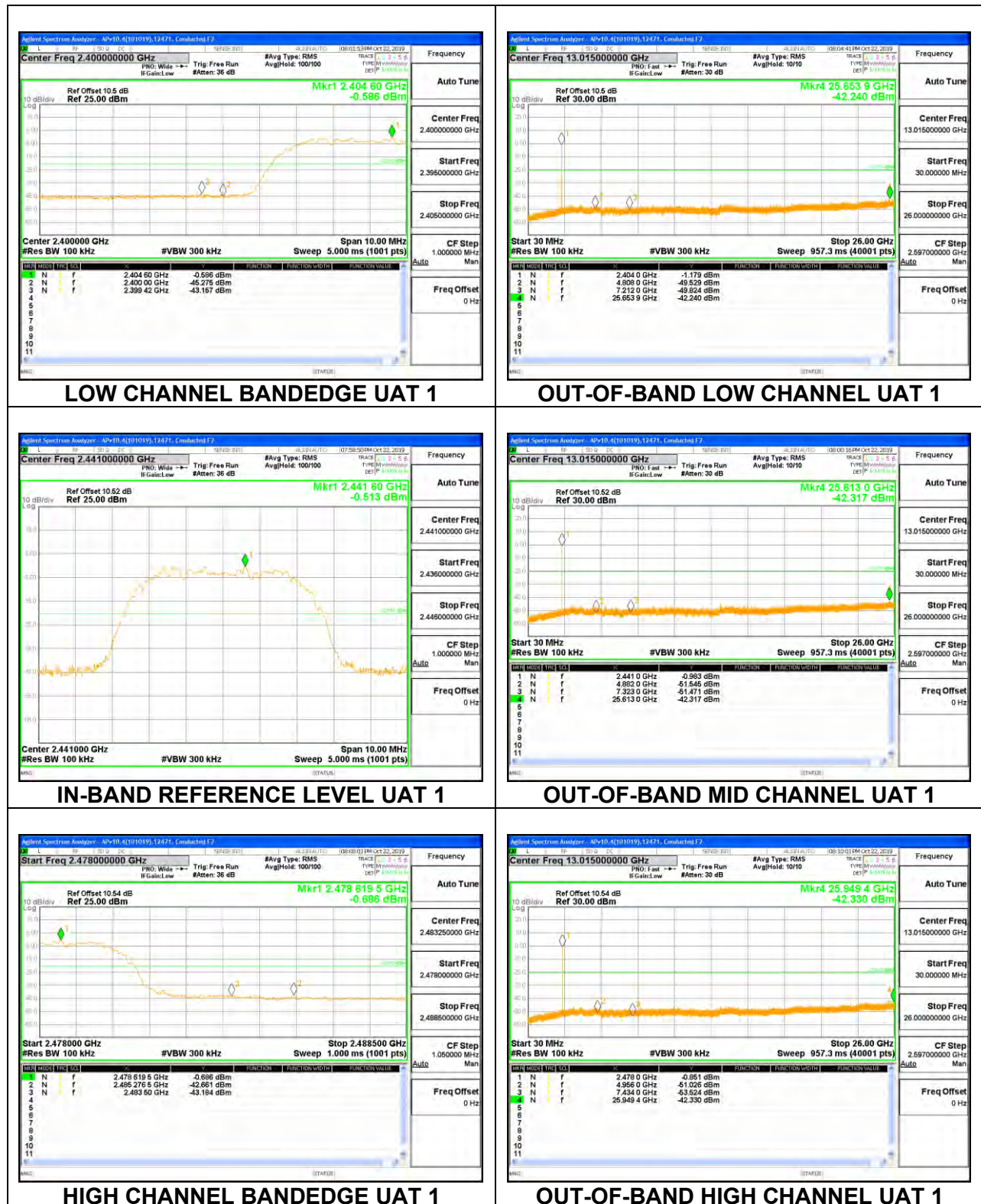


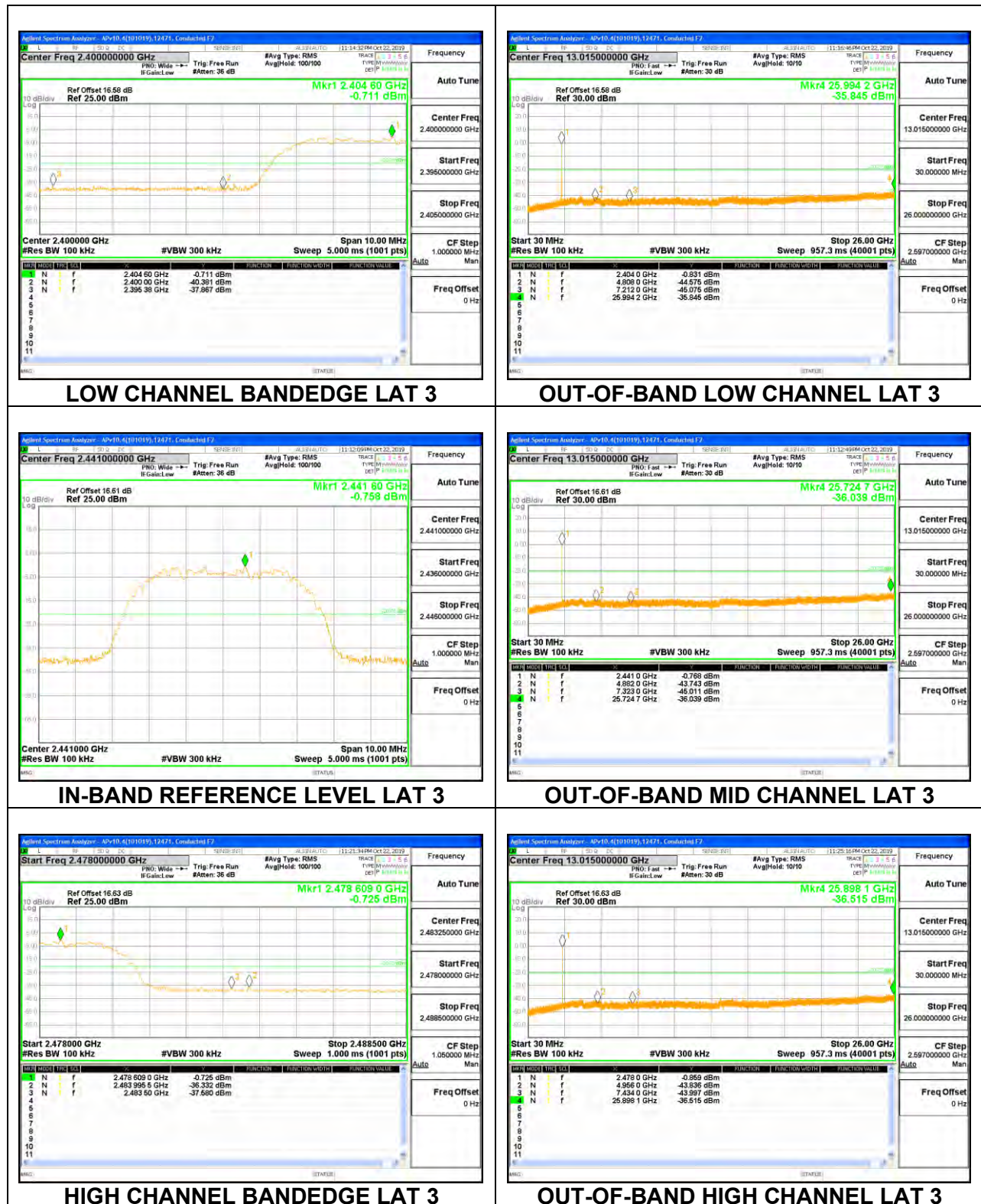
## 8.7.7. BEAMFORMING LOW POWER HDR (HDR4)





## 8.7.8. BEAMFORMING LOW POWER HDR (HDR8)





## 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.

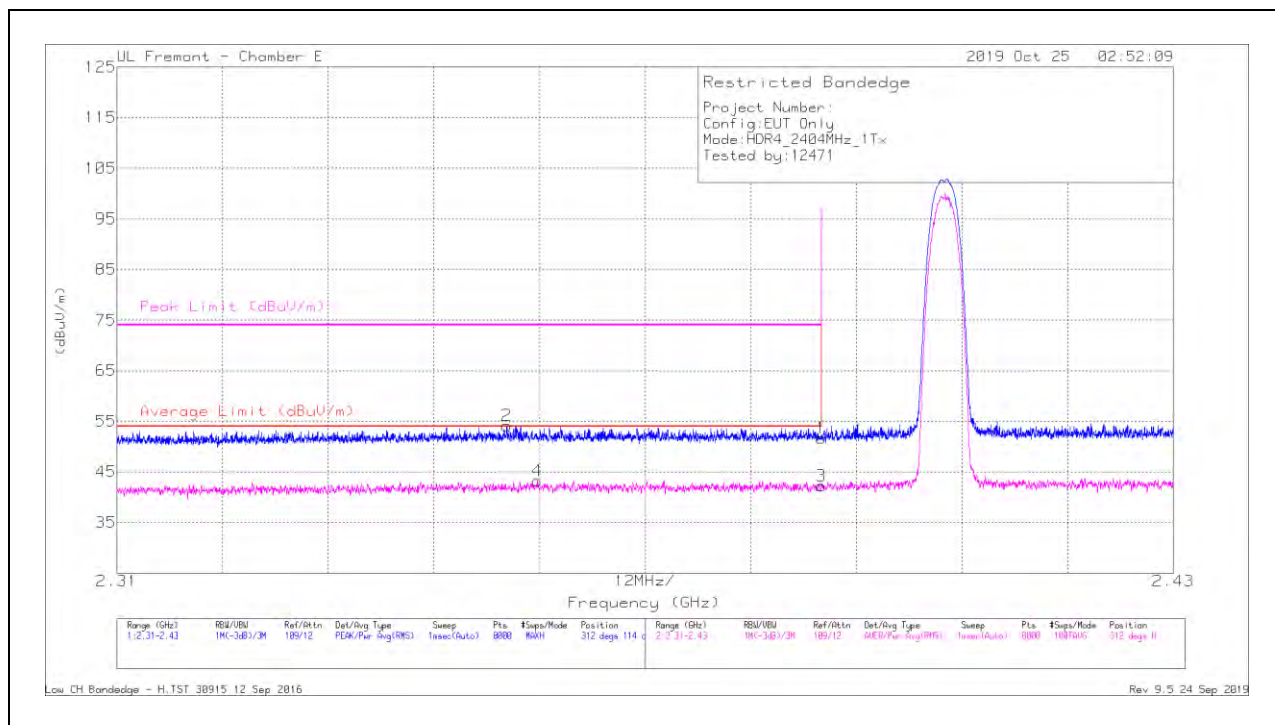
## 9.2. TRANSMITTER ABOVE 1 GHz

### 9.2.1. HIGH POWER HDR (HDR4)

#### UAT 1

#### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT



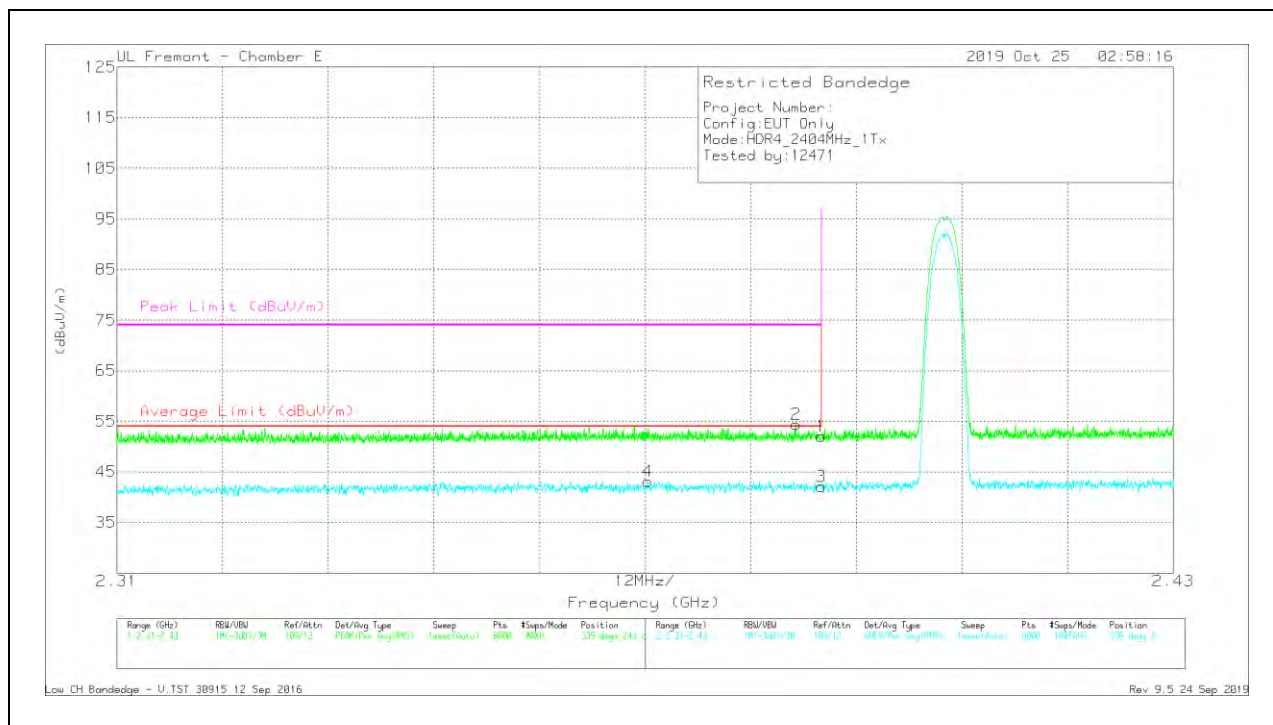
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.38999       | 37.6                 | Pk  | 32.3           | -18.2                 | 51.7                       | -                      | -           | 74                  | -22.3          | 312            | 114         | H        |
| 2      | * 2.35429       | 40.16                | Pk  | 32             | -18                   | 54.16                      | -                      | -           | 74                  | -19.84         | 312            | 114         | H        |
| 3      | * 2.38999       | 28.12                | RMS | 32.3           | -18.2                 | 42.22                      | 54                     | -11.78      | -                   | -              | 312            | 114         | H        |
| 4      | * 2.35778       | 29.17                | RMS | 32.1           | -18.1                 | 43.17                      | 54                     | -10.83      | -                   | -              | 312            | 114         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



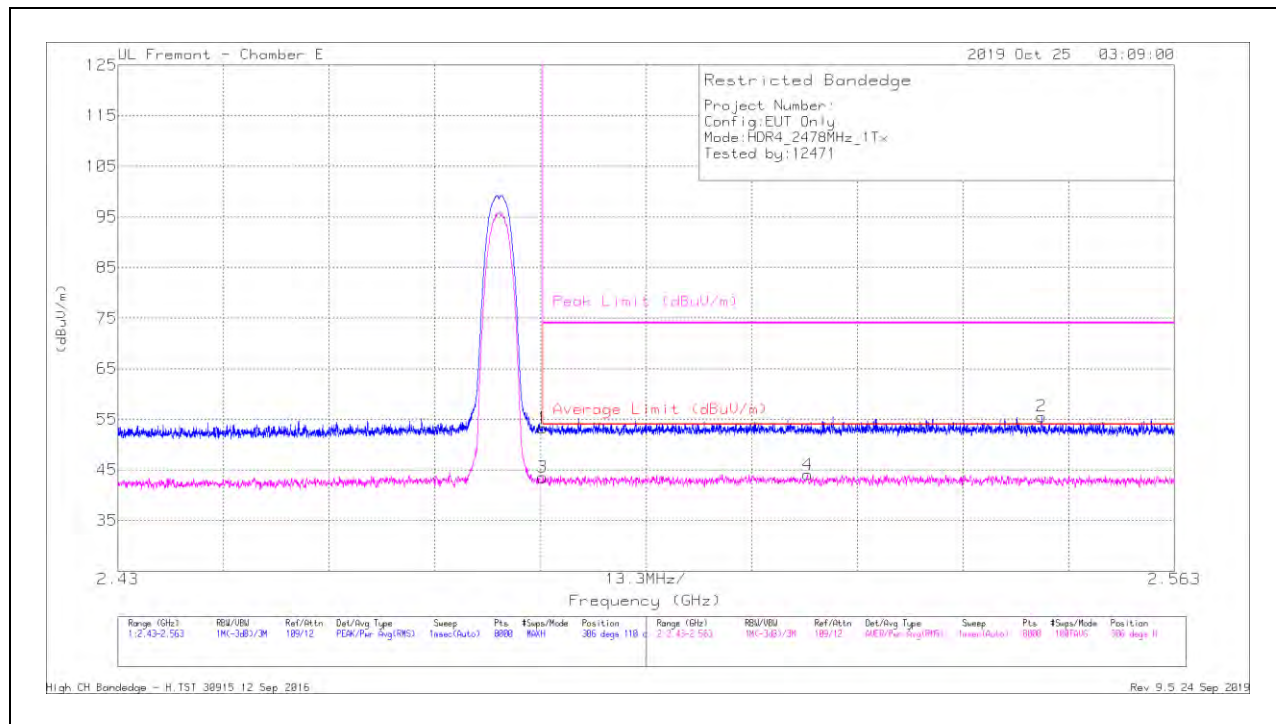
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## BANDEDGE (HIGH CHANNEL)

### HORIZONTAL RESULT



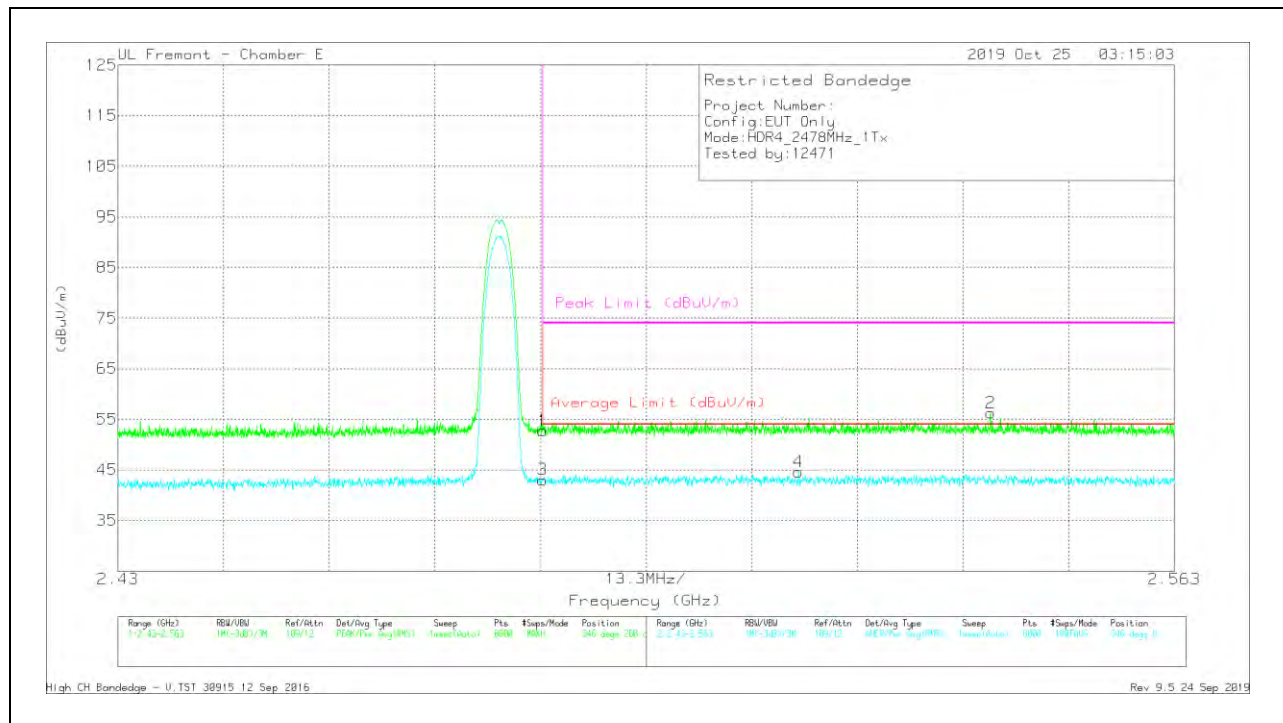
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/CbI/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 38.46                | Pk  | 32.8           | -18                    | 53.26                      | -                      | -           | 74                  | -20.74         | 306            | 110         | H        |
| 3      | * 2.48351       | 28.73                | RMS | 32.8           | -18                    | 43.53                      | 54                     | -10.47      | -                   | -              | 306            | 110         | H        |
| 4      | 2.51683         | 29.35                | RMS | 32.9           | -18.2                  | 44.05                      | 54                     | -9.95       | -                   | -              | 306            | 110         | H        |
| 2      | 2.54627         | 40.87                | Pk  | 32.8           | -18.1                  | 55.57                      | -                      | -           | 74                  | -18.43         | 306            | 110         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/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      | * 2.48351       | 37.97                | Pk  | 32.8           | -18                   | 52.77                      | -                      | -           | 74                  | -21.23         | 346            | 260         | V        |
| 3      | * 2.48351       | 28.23                | RMS | 32.8           | -18                   | 43.03                      | 54                     | -10.97      | -                   | -              | 346            | 260         | V        |
| 4      | 2.51571         | 29.86                | RMS | 32.9           | -18.2                 | 44.56                      | 54                     | -9.44       | -                   | -              | 346            | 260         | V        |
| 2      | 2.53985         | 41.34                | Pk  | 32.9           | -18                   | 56.24                      | -                      | -           | 74                  | -17.76         | 346            | 260         | V        |

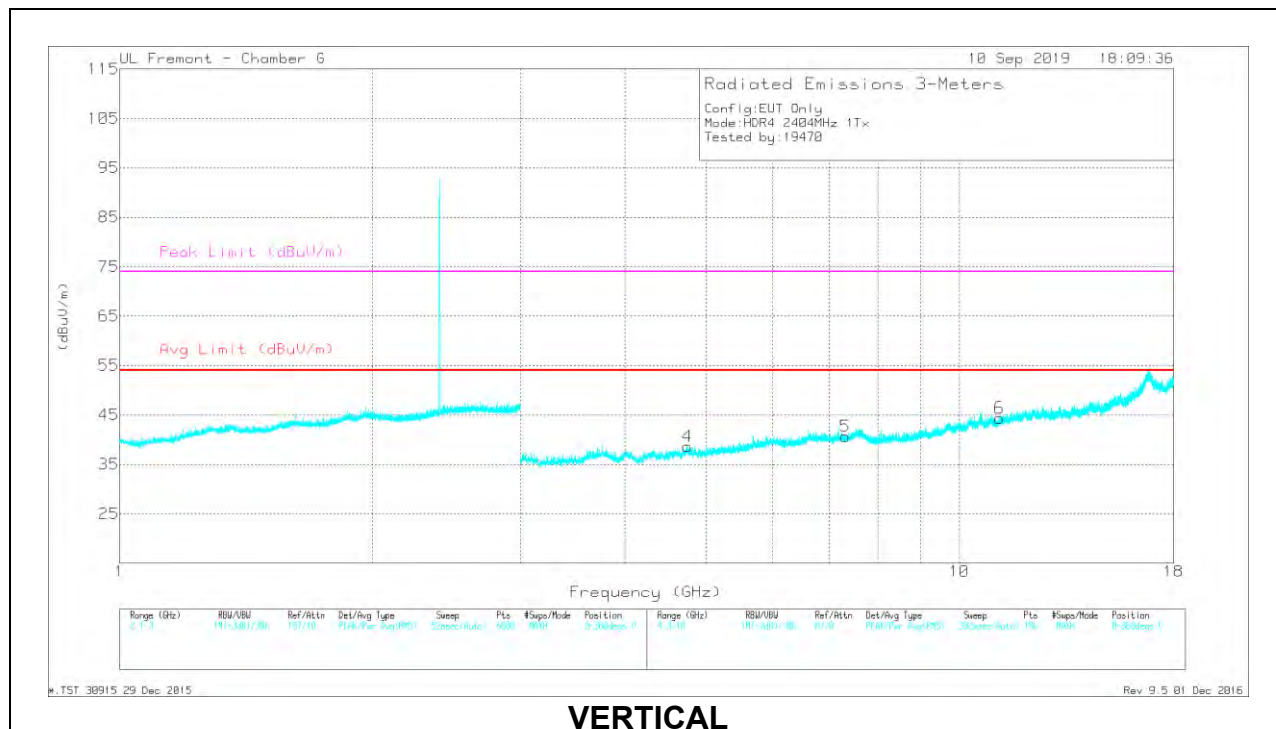
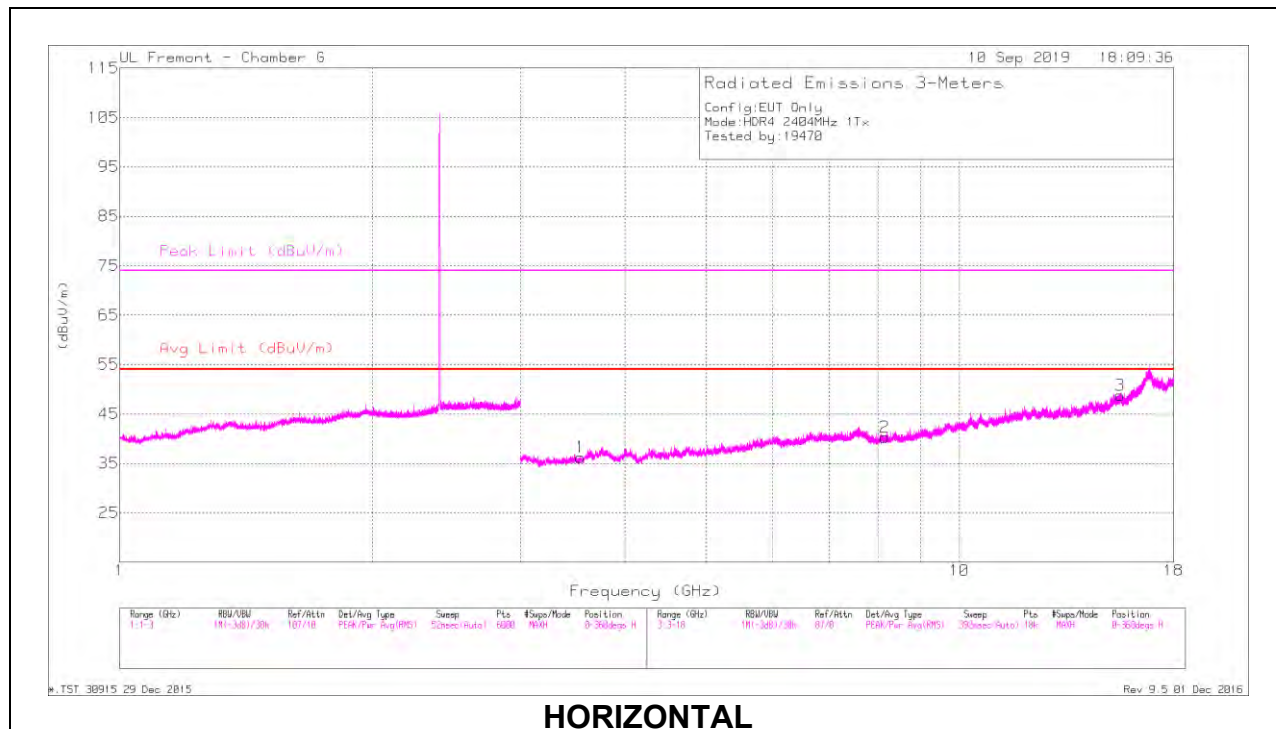
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



## RADIATED EMISSIONS

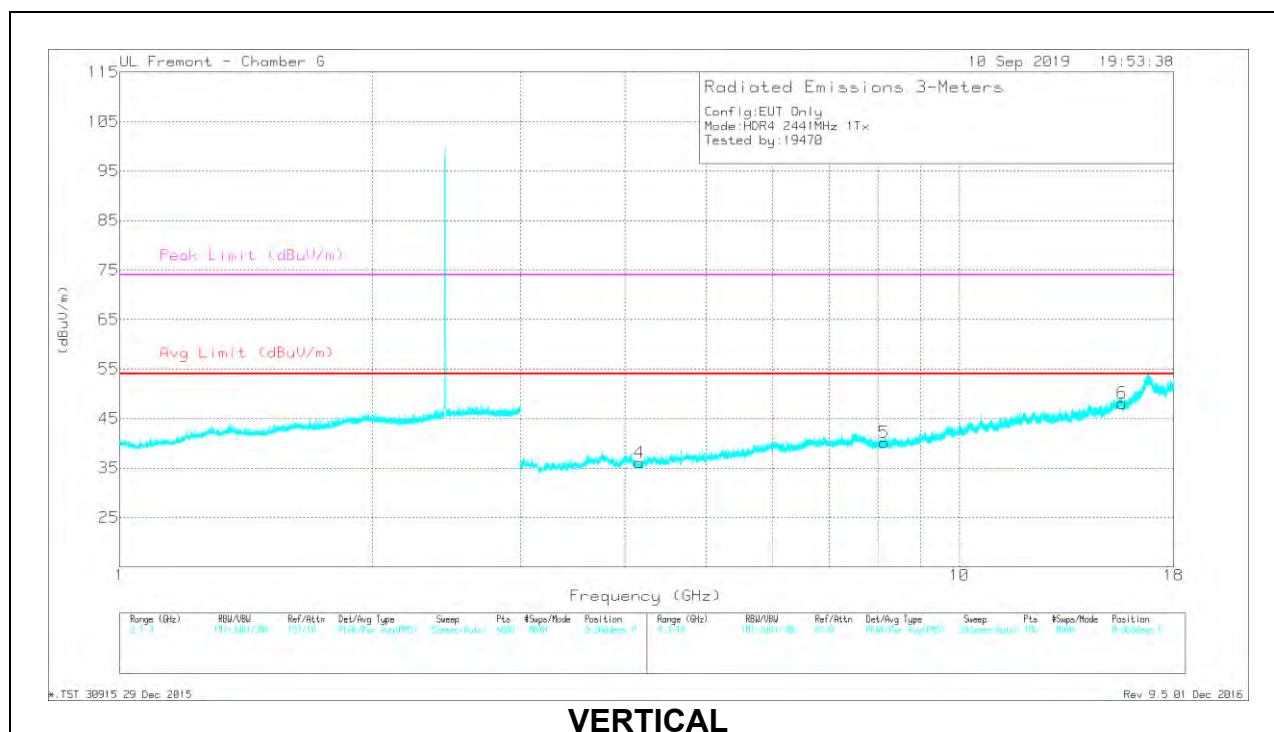
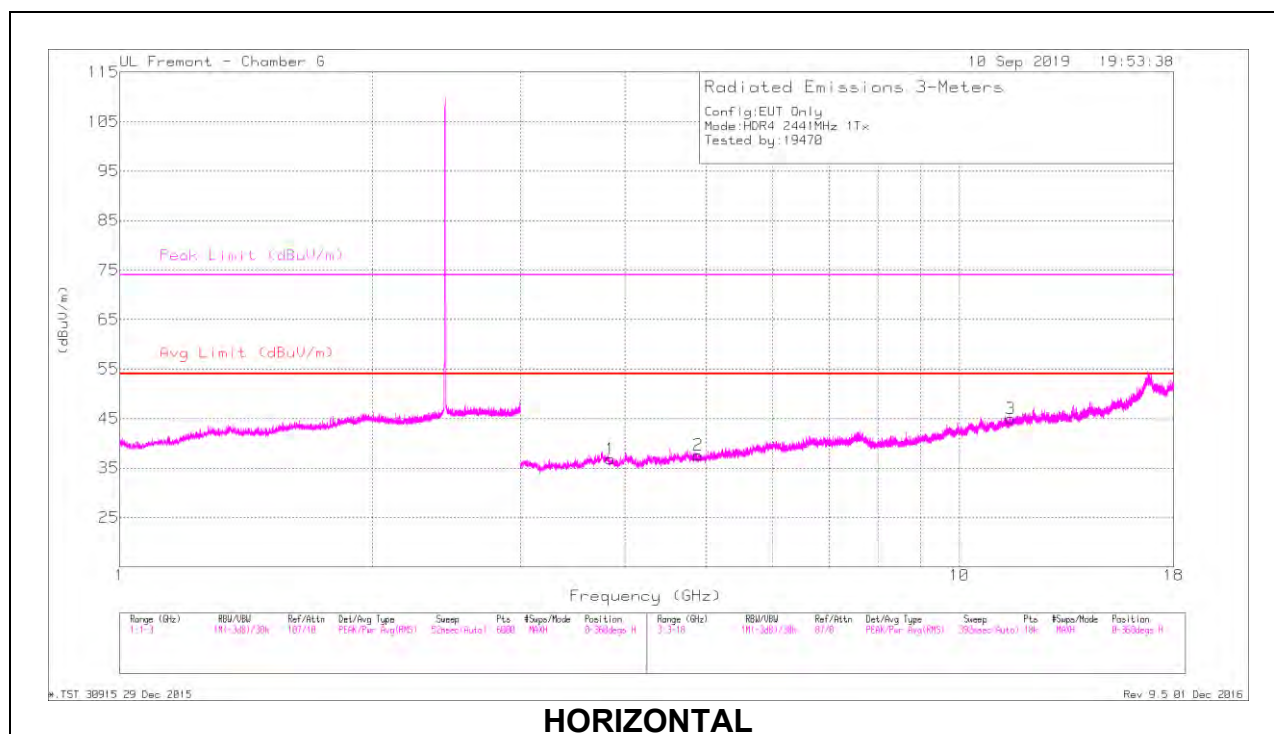
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T136 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 3.539         | 41.18                | PK2  | 33             | -30.6                 | 43.58                      | -                  | -           | 74                  | -30.42         | 360            | 101         | H        |
|        | * 3.54          | 30.07                | MAv1 | 33             | -30.7                 | 32.37                      | 54                 | -21.63      | -                   | -              | 360            | 101         | H        |
| 2      | * 8.159         | 38.51                | PK2  | 35.6           | -26.4                 | 47.71                      | -                  | -           | 74                  | -26.29         | 360            | 101         | H        |
|        | * 8.158         | 27.39                | MAv1 | 35.6           | -26.4                 | 36.59                      | 54                 | -17.41      | -                   | -              | 360            | 101         | H        |
| 3      | * 15.557        | 37.6                 | PK2  | 41             | -22.6                 | 56                         | -                  | -           | 74                  | -18            | 360            | 101         | H        |
|        | * 15.553        | 26.66                | MAv1 | 41             | -22.6                 | 45.06                      | 54                 | -8.94       | -                   | -              | 360            | 101         | H        |
| 4      | * 4.747         | 40.14                | PK2  | 34             | -29.6                 | 44.54                      | -                  | -           | 74                  | -29.46         | 360            | 101         | V        |
|        | * 4.748         | 29.48                | MAv1 | 34             | -29.6                 | 33.88                      | 54                 | -20.12      | -                   | -              | 360            | 101         | V        |
| 5      | * 7.322         | 39.53                | PK2  | 36.3           | -27.6                 | 48.23                      | -                  | -           | 74                  | -25.77         | 360            | 101         | V        |
|        | * 7.322         | 28.21                | MAv1 | 36.3           | -27.6                 | 36.91                      | 54                 | -17.09      | -                   | -              | 360            | 101         | V        |
| 6      | * 11.168        | 36.94                | PK2  | 37.7           | -23.4                 | 51.24                      | -                  | -           | 74                  | -22.76         | 360            | 101         | V        |
|        | * 11.17         | 26.03                | MAv1 | 37.7           | -23.3                 | 40.43                      | 54                 | -13.57      | -                   | -              | 360            | 101         | 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

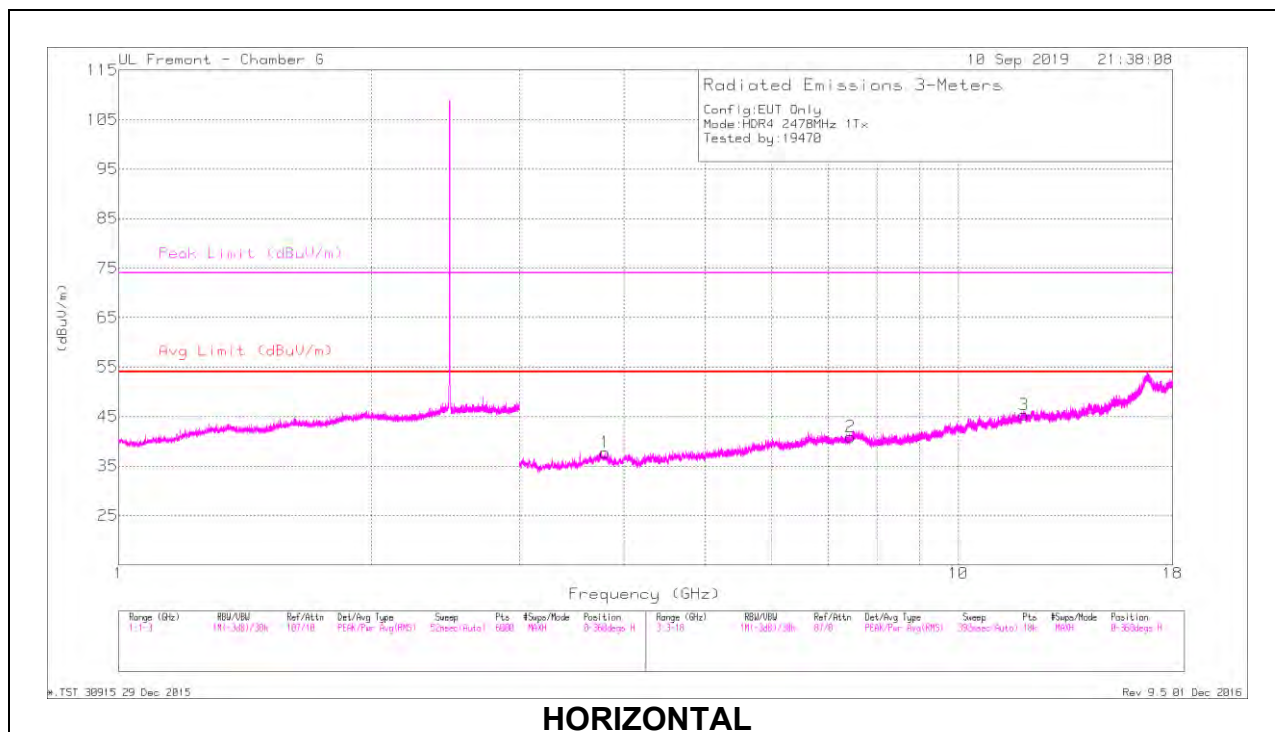
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T136 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 3.847         | 41.22                | PK2  | 33.5           | -30.6                 | 44.12                      | -                  | -           | 74                  | -29.88         | 0              | 101         | H        |
|        | * 3.845         | 30.19                | MAv1 | 33.5           | -30.6                 | 33.09                      | 54                 | -20.91      | -                   | -              | 0              | 101         | H        |
| 2      | * 4.887         | 40.46                | PK2  | 34             | -29.6                 | 44.86                      | -                  | -           | 74                  | -29.14         | 0              | 101         | H        |
|        | * 4.885         | 28.98                | MAv1 | 34             | -29.6                 | 33.38                      | 54                 | -20.62      | -                   | -              | 0              | 101         | H        |
| 3      | * 11.52         | 36.3                 | PK2  | 38.2           | -22.7                 | 51.8                       | -                  | -           | 74                  | -22.2          | 0              | 101         | H        |
|        | * 11.517        | 25.41                | MAv1 | 38.2           | -22.7                 | 40.91                      | 54                 | -13.09      | -                   | -              | 0              | 101         | H        |
| 4      | * 4.16          | 41.78                | PK2  | 33.2           | -30.5                 | 44.48                      | -                  | -           | 74                  | -29.52         | 0              | 101         | V        |
|        | * 4.162         | 30.01                | MAv1 | 33.2           | -30.4                 | 32.81                      | 54                 | -21.19      | -                   | -              | 0              | 101         | V        |
| 5      | * 8.141         | 38.13                | PK2  | 35.6           | -26.5                 | 47.23                      | -                  | -           | 74                  | -26.77         | 0              | 101         | V        |
|        | * 8.14          | 27.32                | MAv1 | 35.6           | -26.5                 | 36.42                      | 54                 | -17.58      | -                   | -              | 0              | 101         | V        |
| 6      | * 15.633        | 37.57                | PK2  | 40.8           | -23.1                 | 55.27                      | -                  | -           | 74                  | -18.73         | 0              | 101         | V        |
|        | * 15.629        | 26.64                | MAv1 | 40.8           | -23                   | 44.44                      | 54                 | -9.56       | -                   | -              | 0              | 101         | V        |

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

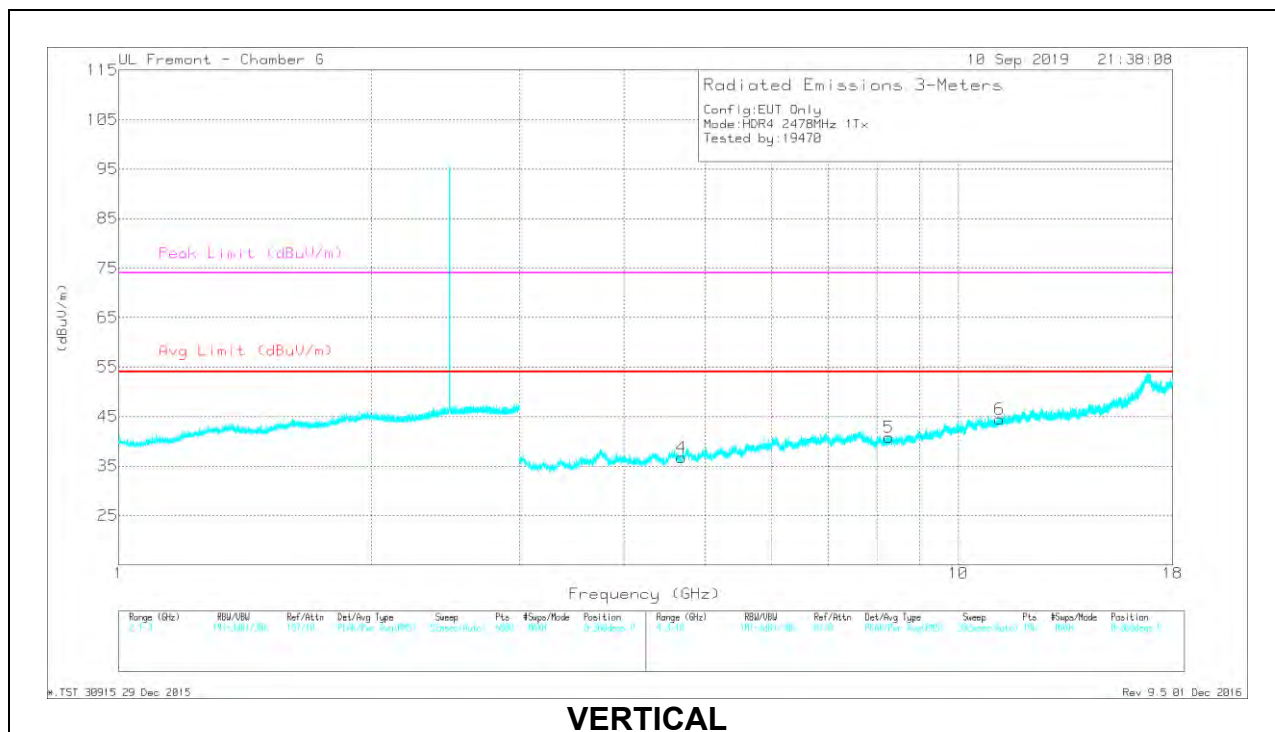
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

## HIGH CHANNEL RESULTS



## HORIZONTAL



## VERTICAL

## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T136 (dB/m) | Amp/Cbl/Fitr/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      | * 3.795         | 40.86                | PK2  | 33.4           | -29.6                 | 44.66                      | -                  | -           | 74                  | -29.34         | 0              | 101         | H        |
|        | * 3.796         | 29.54                | MAv1 | 33.5           | -29.6                 | 33.44                      | 54                 | -20.56      | -                   | -              | 0              | 101         | H        |
| 2      | * 7.444         | 39.71                | PK2  | 36.5           | -27.7                 | 48.51                      | -                  | -           | 74                  | -25.49         | 0              | 101         | H        |
|        | * 7.443         | 28.63                | MAv1 | 36.5           | -27.7                 | 37.43                      | 54                 | -16.57      | -                   | -              | 0              | 101         | H        |
| 3      | * 11.977        | 35.96                | PK2  | 38.8           | -22.2                 | 52.56                      | -                  | -           | 74                  | -21.44         | 0              | 101         | H        |
|        | * 11.978        | 25.43                | MAv1 | 38.8           | -22.2                 | 42.03                      | 54                 | -11.97      | -                   | -              | 0              | 101         | H        |
| 4      | * 4.685         | 40.87                | PK2  | 34             | -29.6                 | 45.27                      | -                  | -           | 74                  | -28.73         | 0              | 101         | V        |
|        | * 4.685         | 29.41                | MAv1 | 34             | -29.6                 | 33.81                      | 54                 | -20.19      | -                   | -              | 0              | 101         | V        |
| 5      | * 8.267         | 39.37                | PK2  | 35.7           | -27                   | 48.07                      | -                  | -           | 74                  | -25.93         | 0              | 101         | V        |
|        | * 8.267         | 27.88                | MAv1 | 35.7           | -27                   | 36.58                      | 54                 | -17.42      | -                   | -              | 0              | 101         | V        |
| 6      | * 11.205        | 36.92                | PK2  | 37.8           | -23                   | 51.72                      | -                  | -           | 74                  | -22.28         | 0              | 101         | V        |
|        | * 11.205        | 25.8                 | MAv1 | 37.8           | -23                   | 40.6                       | 54                 | -13.4       | -                   | -              | 0              | 101         | V        |

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

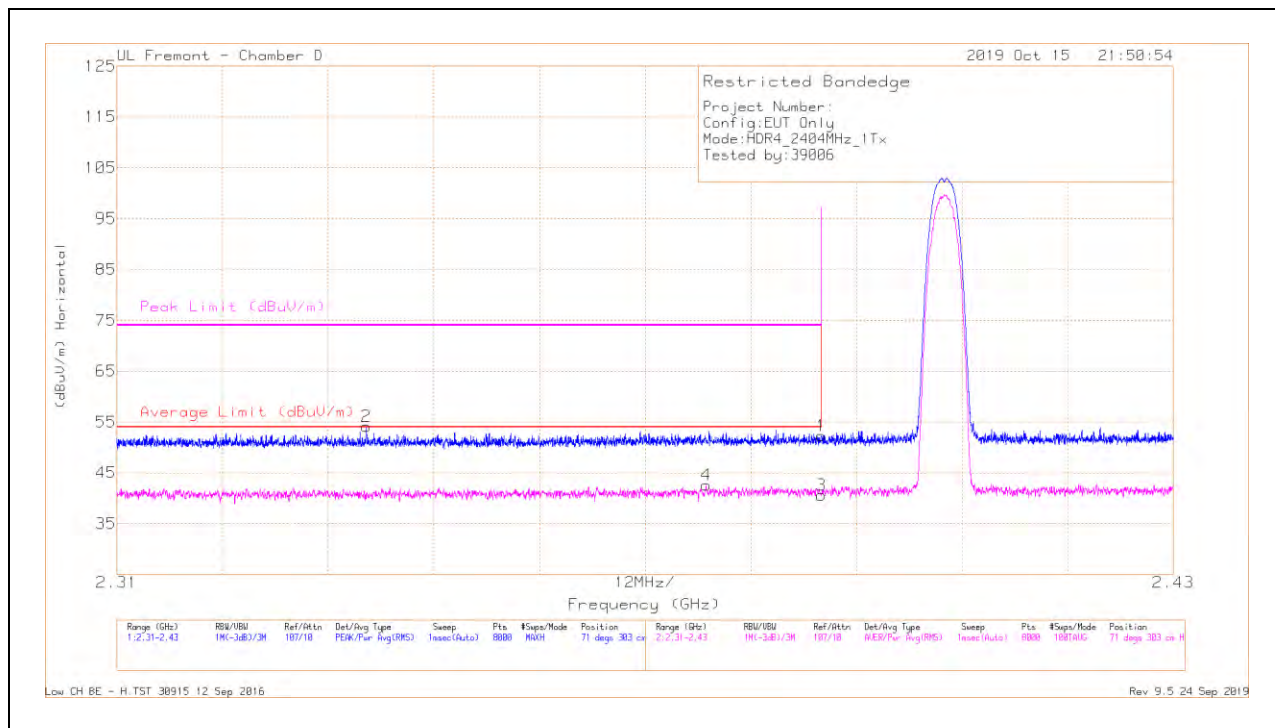
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### LAT 3

### BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT



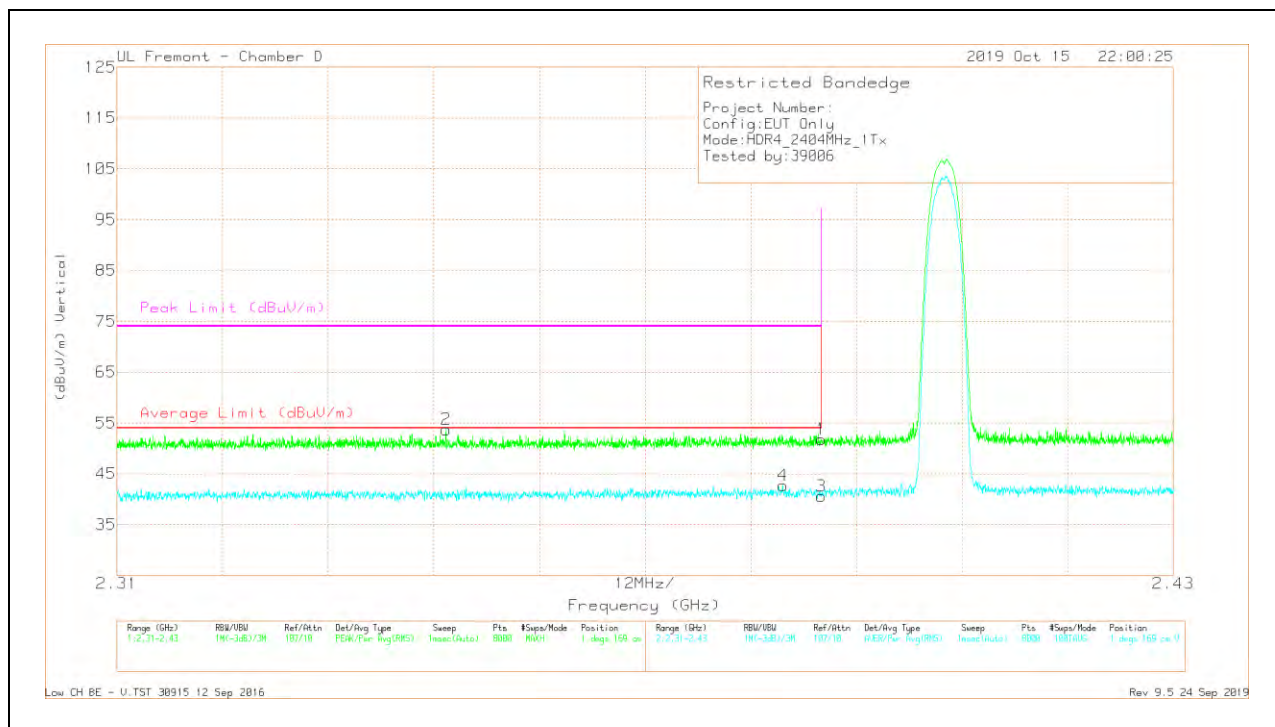
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 2.33832       | 42.96                | Pk  | 31.8           | -20.6                  | 54.16                      | -                      | -           | 74                  | -19.84         | 71             | 303         | H        |
| 4      | * 2.37694       | 31.17                | RMS | 31.9           | -20.5                  | 42.57                      | 54                     | -11.43      | -                   | -              | 71             | 303         | H        |
| 1      | * 2.38999       | 40.77                | Pk  | 32             | -20.5                  | 52.27                      | -                      | -           | 74                  | -21.73         | 71             | 303         | H        |
| 3      | * 2.38999       | 29.15                | RMS | 32             | -20.5                  | 40.65                      | 54                     | -13.35      | -                   | -              | 71             | 303         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 2.34739       | 42.51                | Pk  | 31.8           | -20.6                  | 53.71                      | -                      | -           | 74                  | -20.29         | 1              | 169         | V        |
| 4      | * 2.38563       | 31.31                | RMS | 32             | -20.6                  | 42.71                      | 54                     | -11.29      | -                   | -              | 1              | 169         | V        |
| 1      | * 2.38999       | 40.27                | Pk  | 32             | -20.5                  | 51.77                      | -                      | -           | 74                  | -22.23         | 1              | 169         | V        |
| 3      | * 2.38999       | 29.08                | RMS | 32             | -20.5                  | 40.58                      | 54                     | -13.42      | -                   | -              | 1              | 169         | V        |

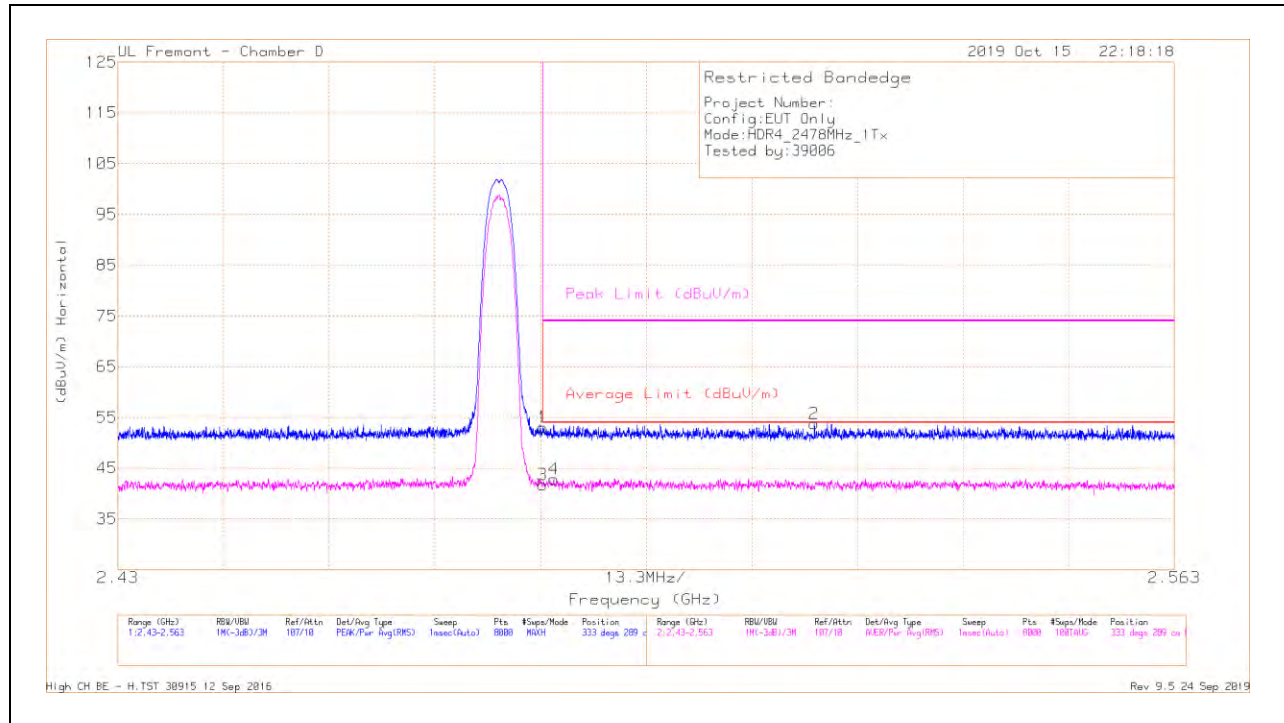
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## BANDEDGE (HIGH CHANNEL)

### HORIZONTAL RESULT



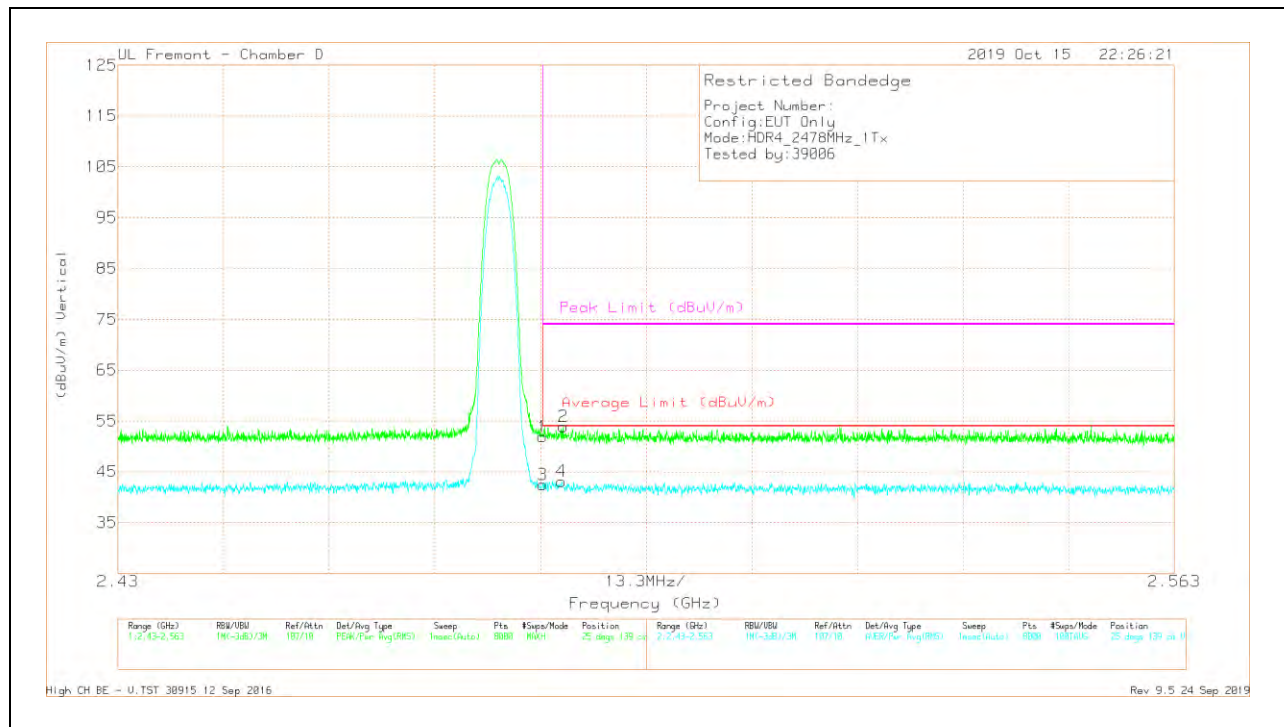
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 41.16                | Pk  | 32.4           | -20.5                 | 53.06                      | -                      | -           | 74                  | -20.94         | 333            | 289         | H        |
| 3      | * 2.48351       | 29.81                | RMS | 32.4           | -20.5                 | 41.71                      | 54                     | -12.29      | -                   | -              | 333            | 289         | H        |
| 4      | * 2.48489       | 31.09                | RMS | 32.3           | -20.5                 | 42.89                      | 54                     | -11.11      | -                   | -              | 333            | 289         | H        |
| 2      | 2.51769         | 42                   | Pk  | 32.3           | -20.5                 | 53.8                       | -                      | -           | 74                  | -20.2          | 333            | 289         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 40.03                | Pk  | 32.4           | -20.5                  | 51.93                      | -                      | -           | 74                  | -22.07         | 25             | 139         | V        |
| 3      | * 2.48351       | 30.56                | RMS | 32.4           | -20.5                  | 42.46                      | 54                     | -11.54      | -                   | -              | 25             | 139         | V        |
| 4      | * 2.48587       | 31.35                | RMS | 32.3           | -20.5                  | 43.15                      | 54                     | -10.85      | -                   | -              | 25             | 139         | V        |
| 2      | * 2.48607       | 42.1                 | Pk  | 32.3           | -20.5                  | 53.9                       | -                      | -           | 74                  | -20.1          | 25             | 139         | V        |

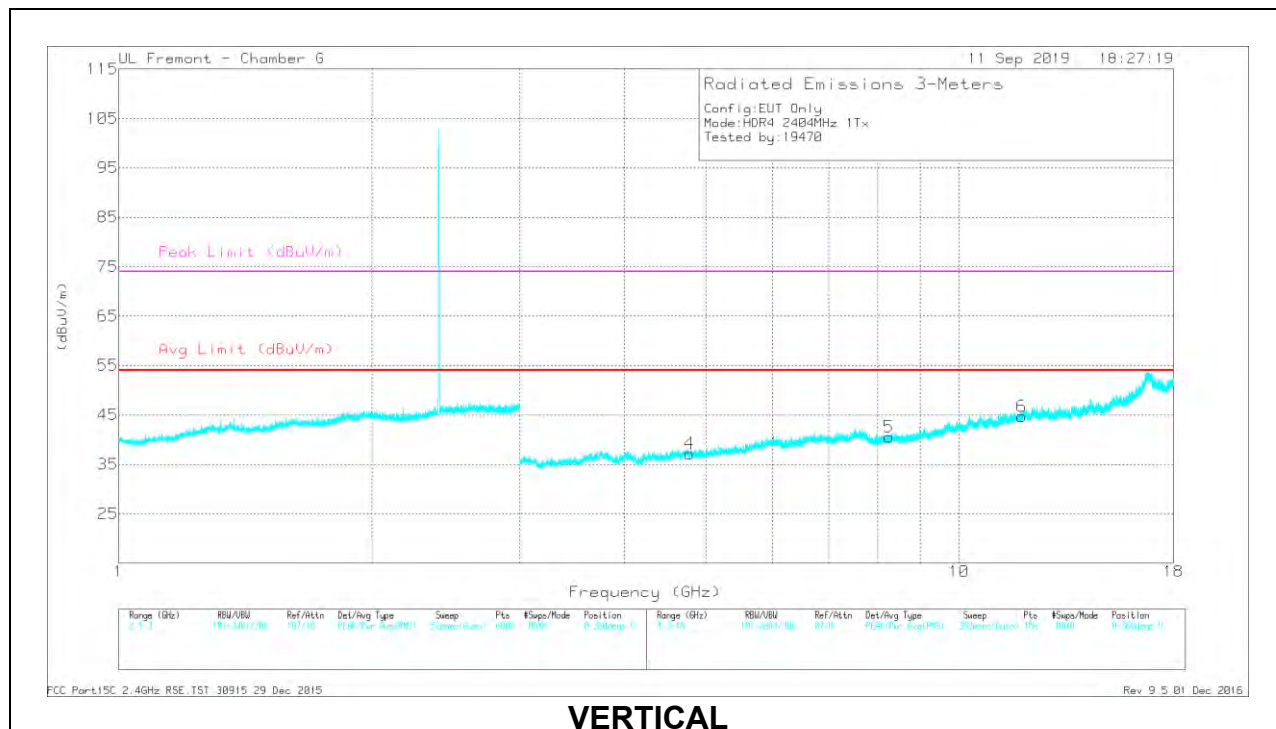
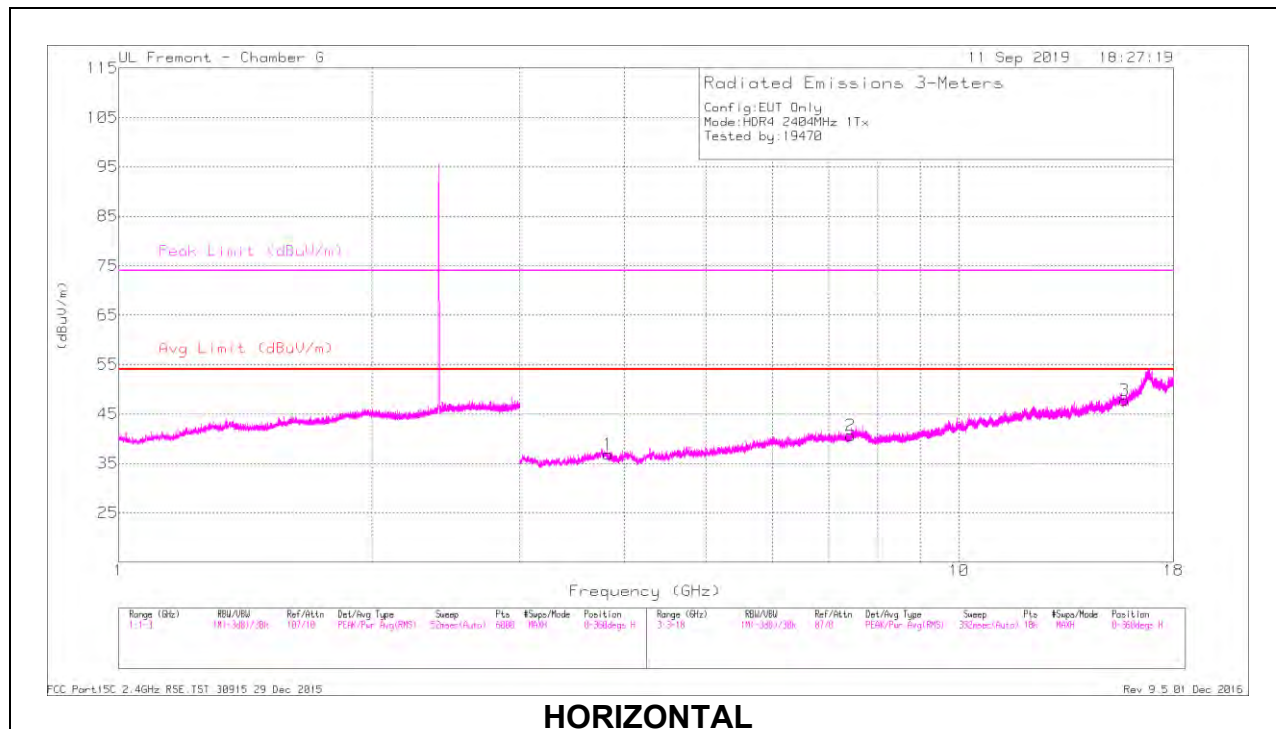
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



## RADIATED EMISSIONS

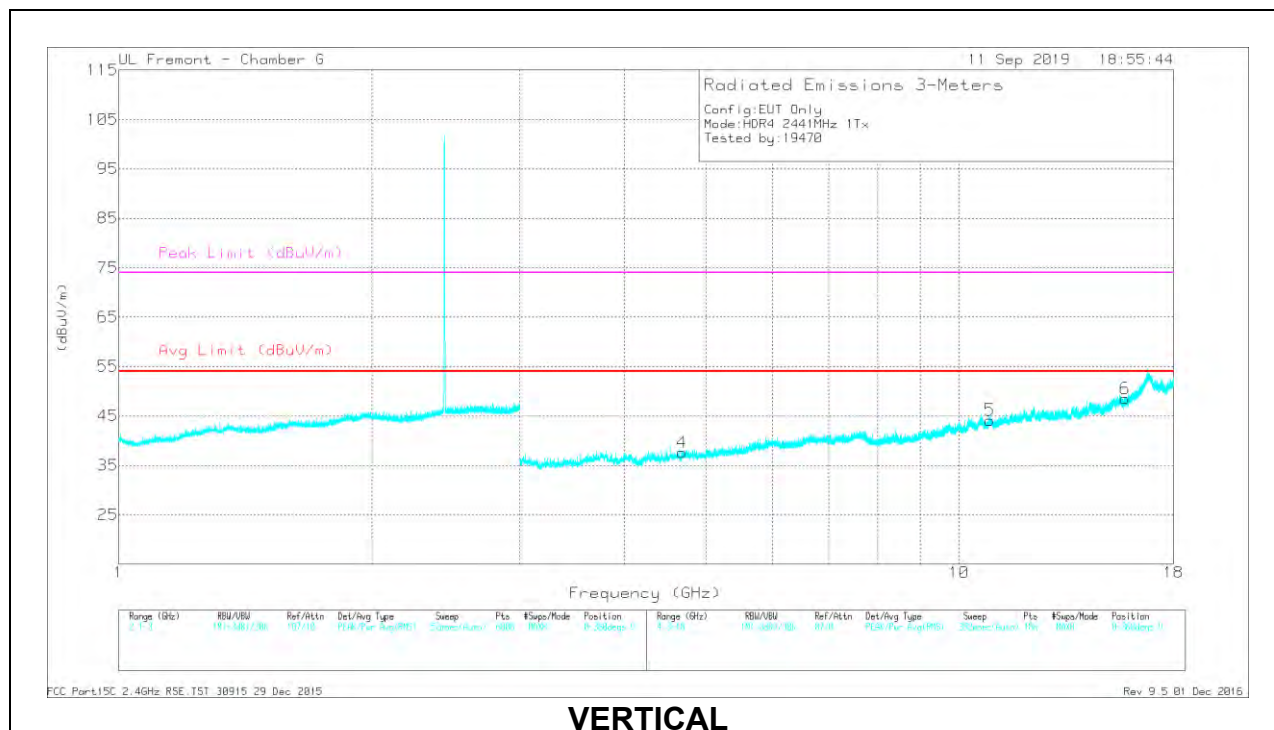
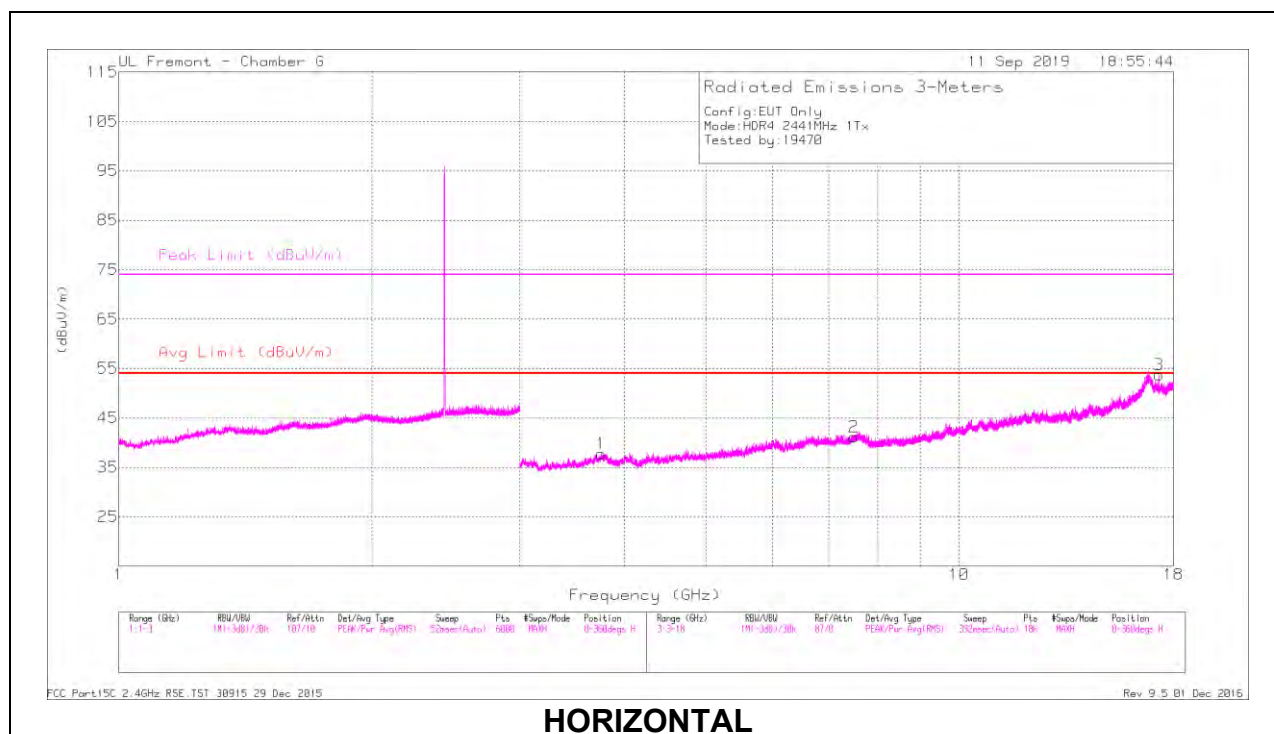
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T136 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 3.823         | 40.96                | PK2  | 33.5           | -30.2                 | 44.26                      | -                  | -           | 74                  | -29.74         | 0              | 101         | H        |
|        | * 3.824         | 30.02                | MAv1 | 33.5           | -30.3                 | 33.22                      | 54                 | -20.78      | -                   | -              | 0              | 101         | H        |
| 2      | * 7.43          | 40.27                | PK2  | 36.4           | -27.9                 | 48.77                      | -                  | -           | 74                  | -25.23         | 0              | 101         | H        |
|        | * 7.43          | 28.55                | MAv1 | 36.4           | -27.9                 | 37.05                      | 54                 | -16.95      | -                   | -              | 0              | 101         | H        |
| 3      | * 15.742        | 36.97                | PK2  | 40.7           | -22.6                 | 55.07                      | -                  | -           | 74                  | -18.93         | 0              | 101         | H        |
|        | * 15.745        | 26.46                | MAv1 | 40.7           | -22.6                 | 44.56                      | 54                 | -9.44       | -                   | -              | 0              | 101         | H        |
| 4      | * 4.783         | 40.93                | PK2  | 34.1           | -29.8                 | 45.23                      | -                  | -           | 74                  | -28.77         | 0              | 101         | V        |
|        | * 4.78          | 28.9                 | MAv1 | 34.1           | -29.8                 | 33.2                       | 54                 | -20.8       | -                   | -              | 0              | 101         | V        |
| 5      | * 8.255         | 39.15                | PK2  | 35.7           | -26.9                 | 47.95                      | -                  | -           | 74                  | -26.05         | 0              | 101         | V        |
|        | * 8.255         | 27.87                | MAv1 | 35.7           | -26.9                 | 36.67                      | 54                 | -17.33      | -                   | -              | 0              | 101         | V        |
| 6      | * 11.879        | 37.04                | PK2  | 38.7           | -22.9                 | 52.84                      | -                  | -           | 74                  | -21.16         | 0              | 101         | V        |
|        | * 11.879        | 25.37                | MAv1 | 38.7           | -22.9                 | 41.17                      | 54                 | -12.83      | -                   | -              | 0              | 101         | 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

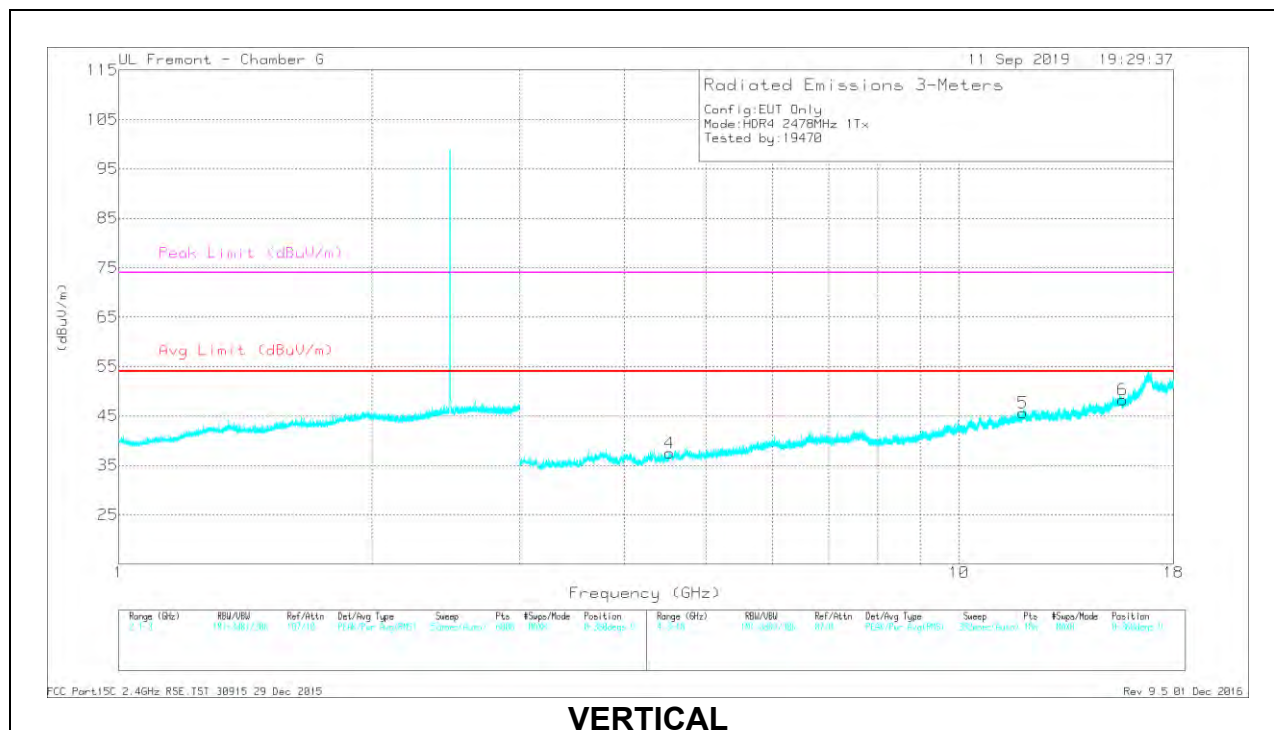
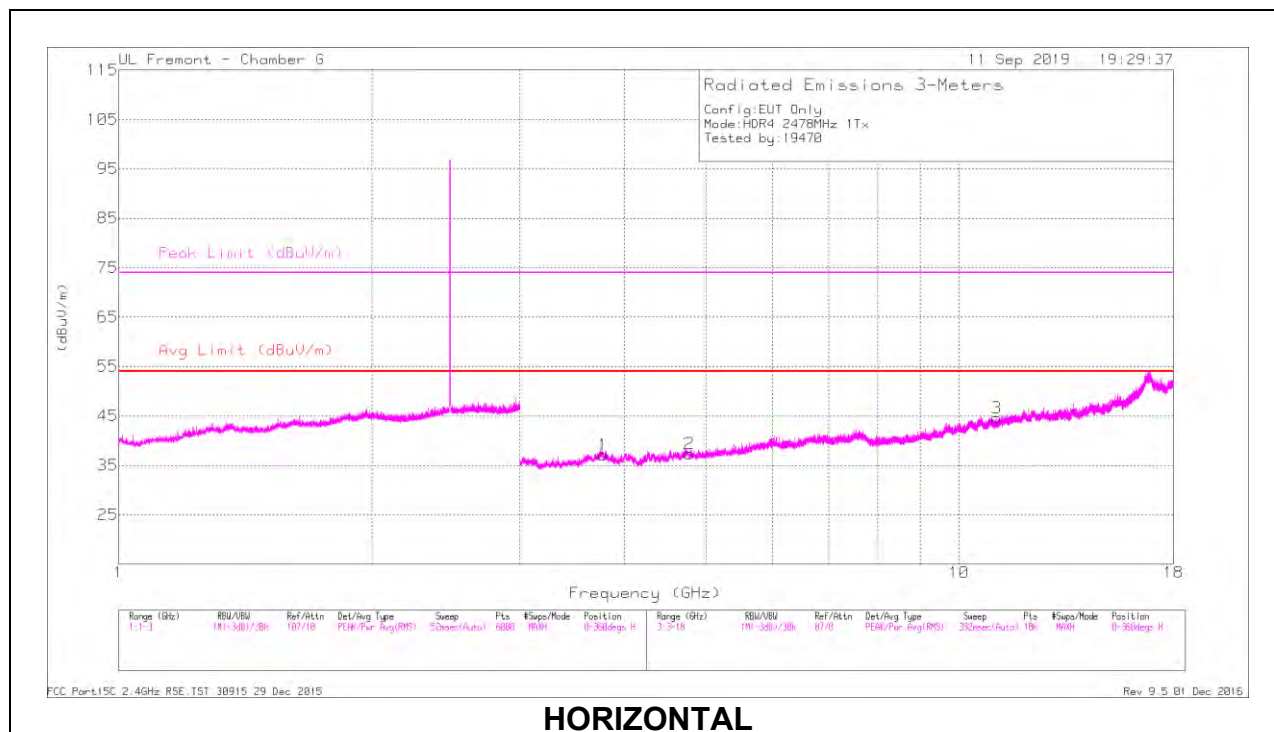
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T136 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 3.751         | 40.66                | PK2  | 33.2           | -28.9                 | 44.96                      | -                  | -           | 74                  | -29.04         | 0              | 101         | H        |
|        | * 3.754         | 29.25                | MAv1 | 33.2           | -28.9                 | 33.55                      | 54                 | -20.45      | -                   | -              | 0              | 101         | H        |
| 2      | * 7.493         | 38.86                | PK2  | 36.6           | -27.2                 | 48.26                      | -                  | -           | 74                  | -25.74         | 0              | 101         | H        |
|        | * 7.496         | 28.16                | MAv1 | 36.6           | -27.2                 | 37.56                      | 54                 | -16.44      | -                   | -              | 0              | 101         | H        |
| 4      | * 4.681         | 40.04                | PK2  | 34             | -29.7                 | 44.34                      | -                  | -           | 74                  | -29.66         | 0              | 101         | V        |
|        | * 4.681         | 29.22                | MAv1 | 34             | -29.7                 | 33.52                      | 54                 | -20.48      | -                   | -              | 0              | 101         | V        |
| 5      | * 10.879        | 37.28                | PK2  | 37.6           | -23.1                 | 51.78                      | -                  | -           | 74                  | -22.22         | 0              | 101         | V        |
|        | * 10.88         | 26.11                | MAv1 | 37.6           | -23                   | 40.71                      | 54                 | -13.29      | -                   | -              | 0              | 101         | V        |
| 6      | * 15.771        | 37.3                 | PK2  | 40.6           | -22.8                 | 55.1                       | -                  | -           | 74                  | -18.9          | 0              | 101         | V        |
|        | * 15.77         | 26.06                | MAv1 | 40.6           | -22.8                 | 43.86                      | 54                 | -10.14      | -                   | -              | 0              | 101         | V        |
| 3      | 17.291          | 35.99                | PK2  | 41.6           | -19.4                 | 58.19                      | -                  | -           | -                   | -              | 127            | 149         | H        |

\* - 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 T136 (dB/m) | Amp/Cbl/Fitr/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      | * 3.774         | 41.12                | PK2  | 33.3           | -29.5                 | 44.92                      | -                  | -           | 74                  | -29.08         | 0              | 101         | H        |
|        | * 3.774         | 29.37                | MAv1 | 33.3           | -29.5                 | 33.17                      | 54                 | -20.83      | -                   | -              | 0              | 101         | H        |
| 2      | * 4.775         | 39.82                | PK2  | 34.1           | -29.8                 | 44.12                      | -                  | -           | 74                  | -29.88         | 0              | 101         | H        |
|        | * 4.776         | 28.84                | MAv1 | 34.1           | -29.8                 | 33.14                      | 54                 | -20.86      | -                   | -              | 0              | 101         | H        |
| 3      | * 11.087        | 37.43                | PK2  | 37.7           | -23.6                 | 51.53                      | -                  | -           | 74                  | -22.47         | 0              | 101         | H        |
|        | * 11.087        | 25.89                | MAv1 | 37.7           | -23.6                 | 39.99                      | 54                 | -14.01      | -                   | -              | 0              | 101         | H        |
| 4      | * 4.521         | 41.08                | PK2  | 33.8           | -30                   | 44.88                      | -                  | -           | 74                  | -29.12         | 0              | 101         | V        |
|        | * 4.522         | 29.79                | MAv1 | 33.8           | -30                   | 33.59                      | 54                 | -20.41      | -                   | -              | 0              | 101         | V        |
| 5      | * 11.917        | 36.46                | PK2  | 38.7           | -22.7                 | 52.46                      | -                  | -           | 74                  | -21.54         | 0              | 101         | V        |
|        | * 11.915        | 25.4                 | MAv1 | 38.7           | -22.7                 | 41.4                       | 54                 | -12.6       | -                   | -              | 0              | 101         | V        |
| 6      | * 15.664        | 36.91                | PK2  | 40.8           | -23.1                 | 54.61                      | -                  | -           | 74                  | -19.39         | 0              | 101         | V        |
|        | * 15.662        | 25.5                 | MAv1 | 40.8           | -23.1                 | 43.2                       | 54                 | -10.8       | -                   | -              | 0              | 101         | V        |

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

PK2 - KDB558074 Method: Maximum Peak

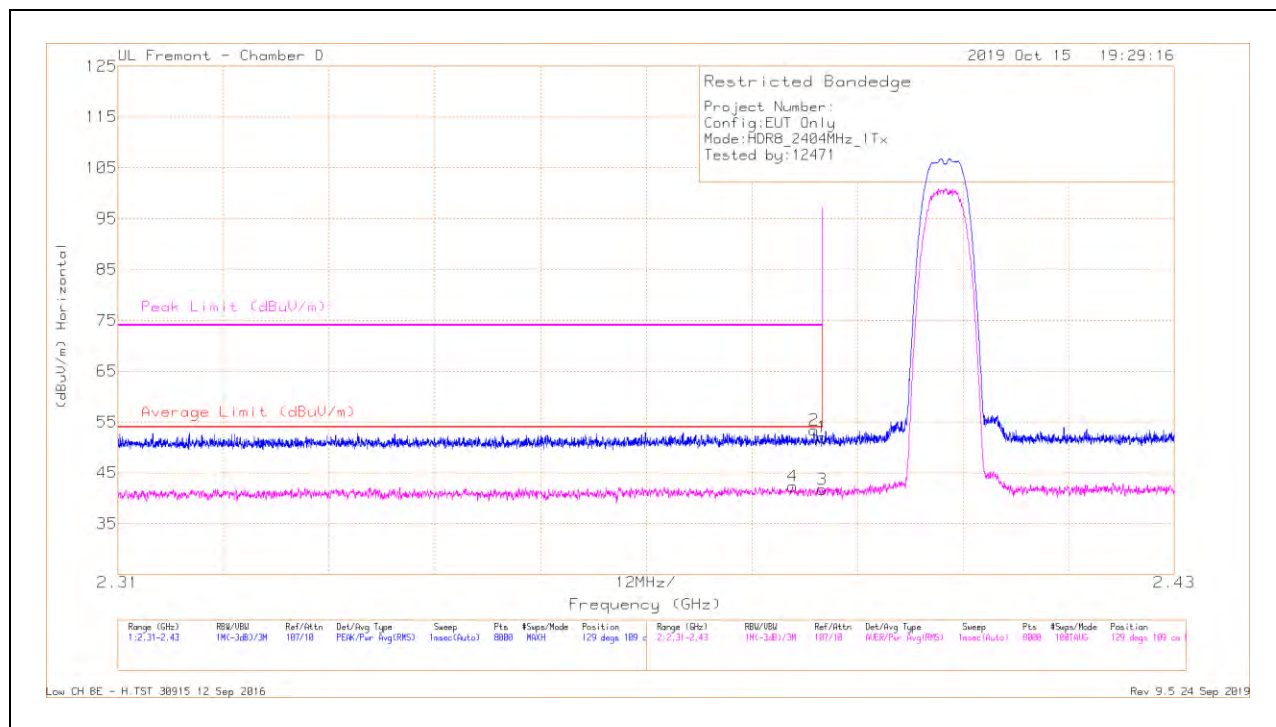
MAv1 - KDB558074 Option 1 Maximum RMS Average

## 9.2.2. HIGH POWER HDR (HDR8)

### UAT 1

### BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT



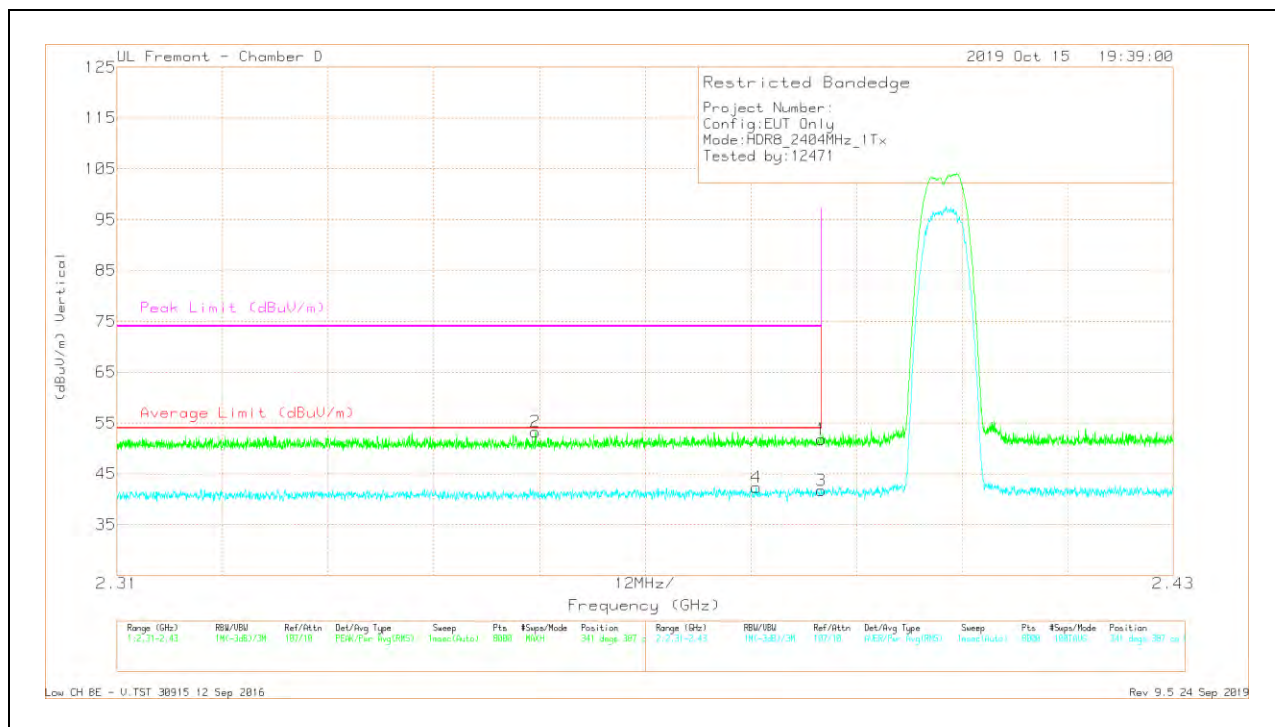
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 4      | * 2.38665       | 31                   | RMS | 32             | -20.6                  | 42.4                       | 54                     | -11.6       | -                   | -              | 129            | 109         | H        |
| 2      | * 2.38911       | 41.87                | Pk  | 32             | -20.5                  | 53.37                      | -                      | -           | 74                  | -20.63         | 129            | 109         | H        |
| 1      | * 2.38999       | 40.57                | Pk  | 32             | -20.5                  | 52.07                      | -                      | -           | 74                  | -21.93         | 129            | 109         | H        |
| 3      | * 2.38999       | 30.17                | RMS | 32             | -20.5                  | 41.67                      | 54                     | -12.33      | -                   | -              | 129            | 109         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 2.35756       | 42.14                | Pk  | 31.7           | -20.6                  | 53.24                      | -                      | -           | 74                  | -20.76         | 341            | 387         | V        |
| 4      | * 2.38262       | 31                   | RMS | 32             | -20.6                  | 42.4                       | 54                     | -11.6       | -                   | -              | 341            | 387         | V        |
| 1      | * 2.38999       | 40.28                | Pk  | 32             | -20.5                  | 51.78                      | -                      | -           | 74                  | -22.22         | 341            | 387         | V        |
| 3      | * 2.38999       | 30.23                | RMS | 32             | -20.5                  | 41.73                      | 54                     | -12.27      | -                   | -              | 341            | 387         | V        |

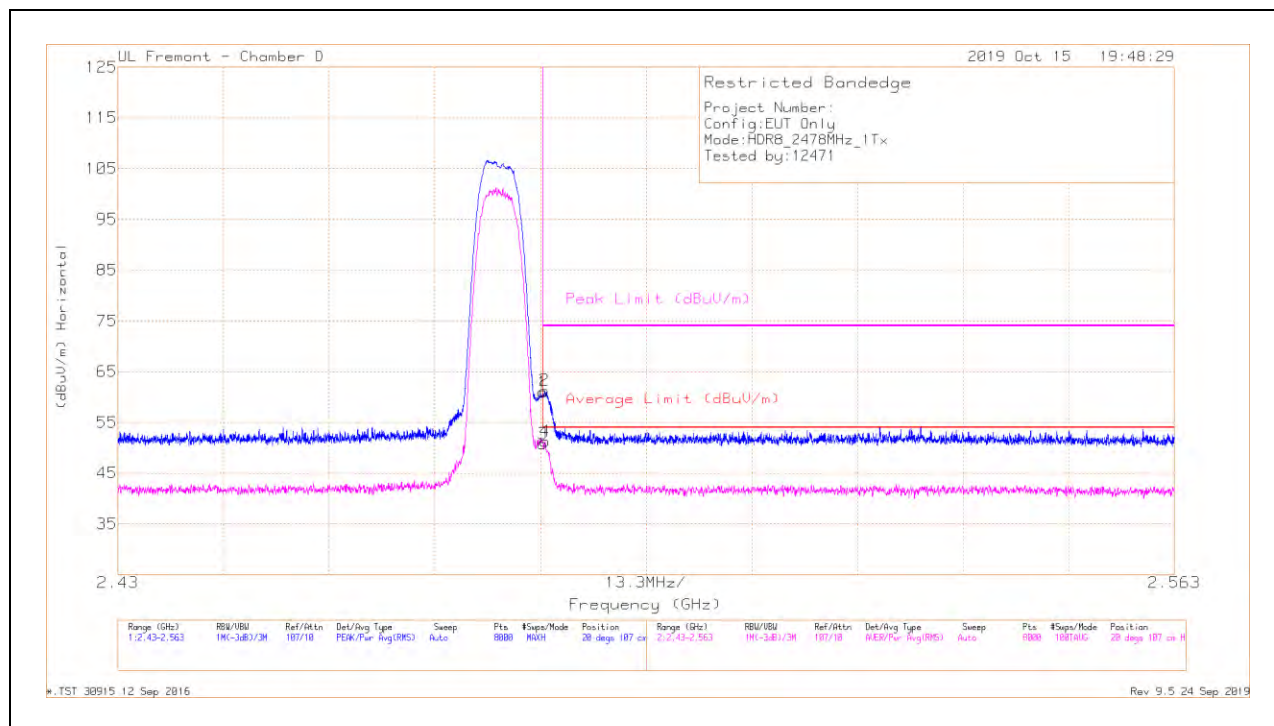
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## BANDEDGE (HIGH CHANNEL)

### HORIZONTAL RESULT



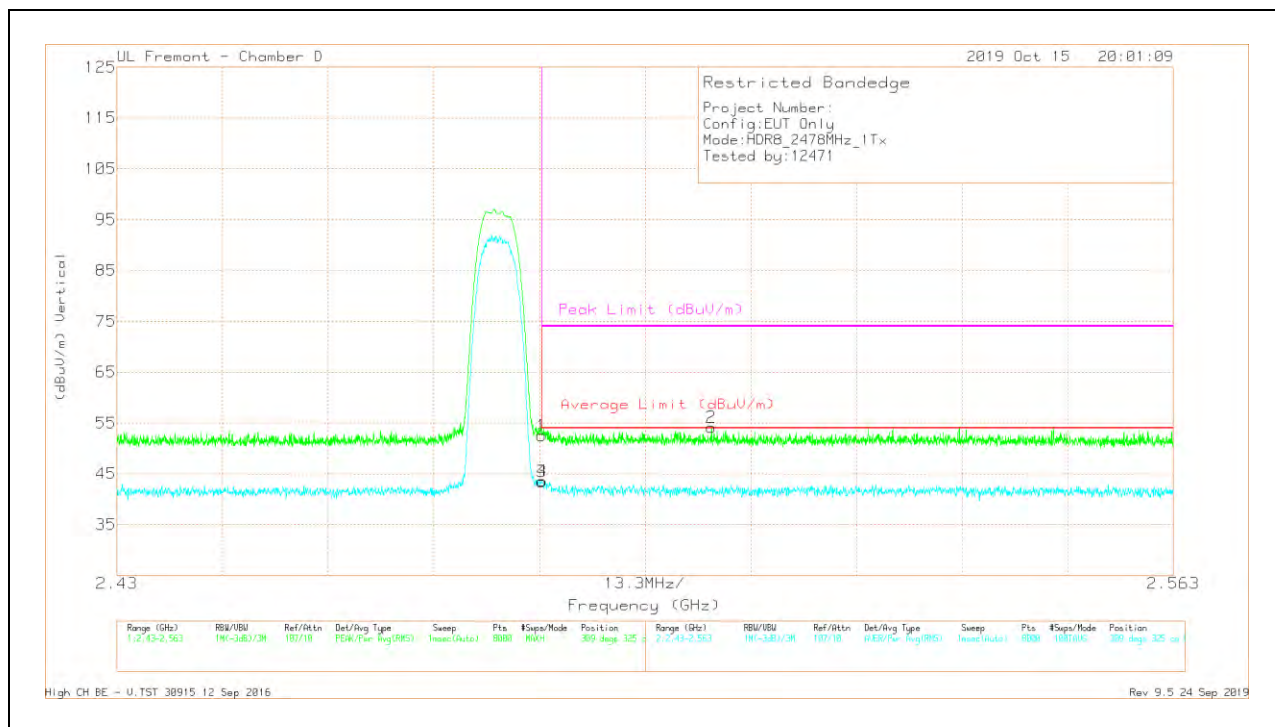
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 49.06                | Pk  | 32.4           | -20.5                  | 60.96                      | -                      | -           | 74                  | -13.04         | 20             | 107         | H        |
| 3      | * 2.48351       | 38.88                | RMS | 32.4           | -20.5                  | 50.78                      | 54                     | -3.22       | -                   | -              | 20             | 107         | H        |
| 2      | * 2.48371       | 49.38                | Pk  | 32.4           | -20.5                  | 61.28                      | -                      | -           | 74                  | -12.72         | 20             | 107         | H        |
| 4      | * 2.48377       | 39.38                | RMS | 32.4           | -20.5                  | 51.28                      | 54                     | -2.72       | -                   | -              | 20             | 107         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/Cbl/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      | * 2.48351       | 40.66                | Pk  | 32.4           | -20.5                 | 52.56                      | -                      | -           | 74                  | -21.44         | 309            | 325         | V        |
| 3      | * 2.48351       | 31.56                | RMS | 32.4           | -20.5                 | 43.46                      | 54                     | -10.54      | -                   | -              | 309            | 325         | V        |
| 4      | * 2.48357       | 31.71                | RMS | 32.4           | -20.5                 | 43.61                      | 54                     | -10.39      | -                   | -              | 309            | 325         | V        |
| 2      | 2.50485         | 42.33                | Pk  | 32.3           | -20.5                 | 54.13                      | -                      | -           | 74                  | -19.87         | 309            | 325         | V        |

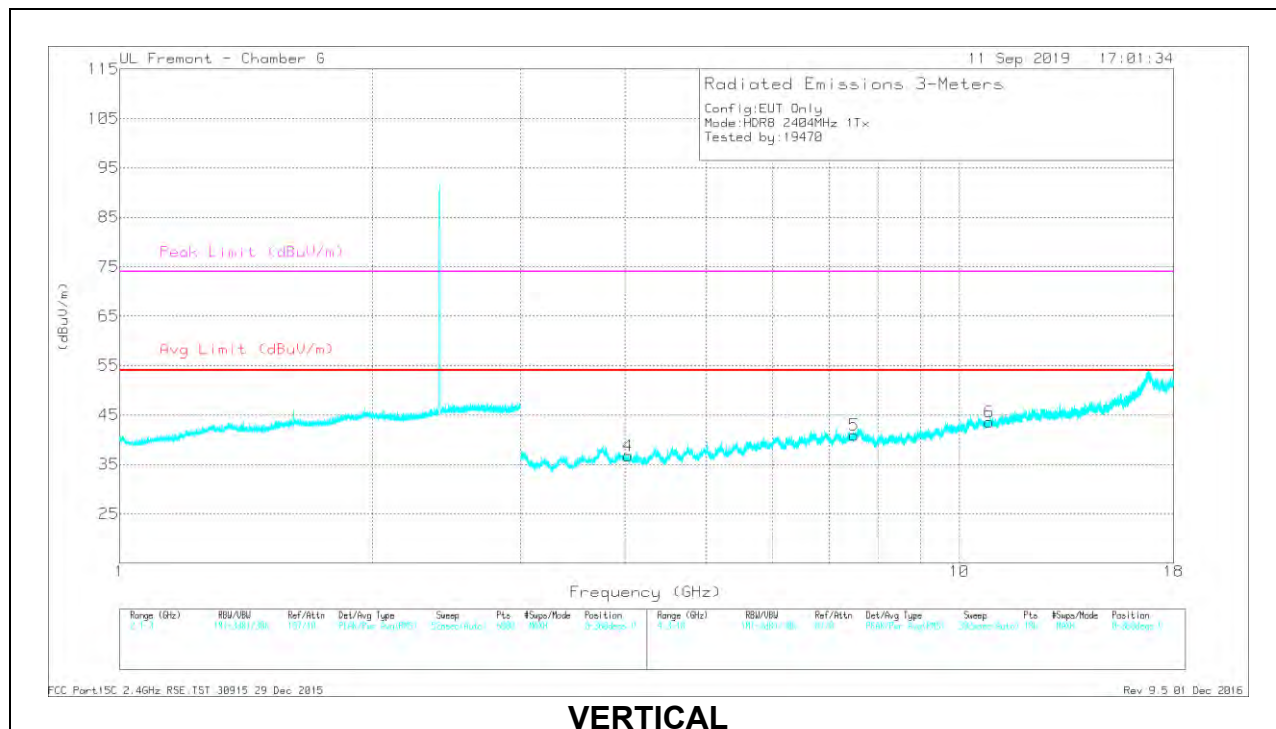
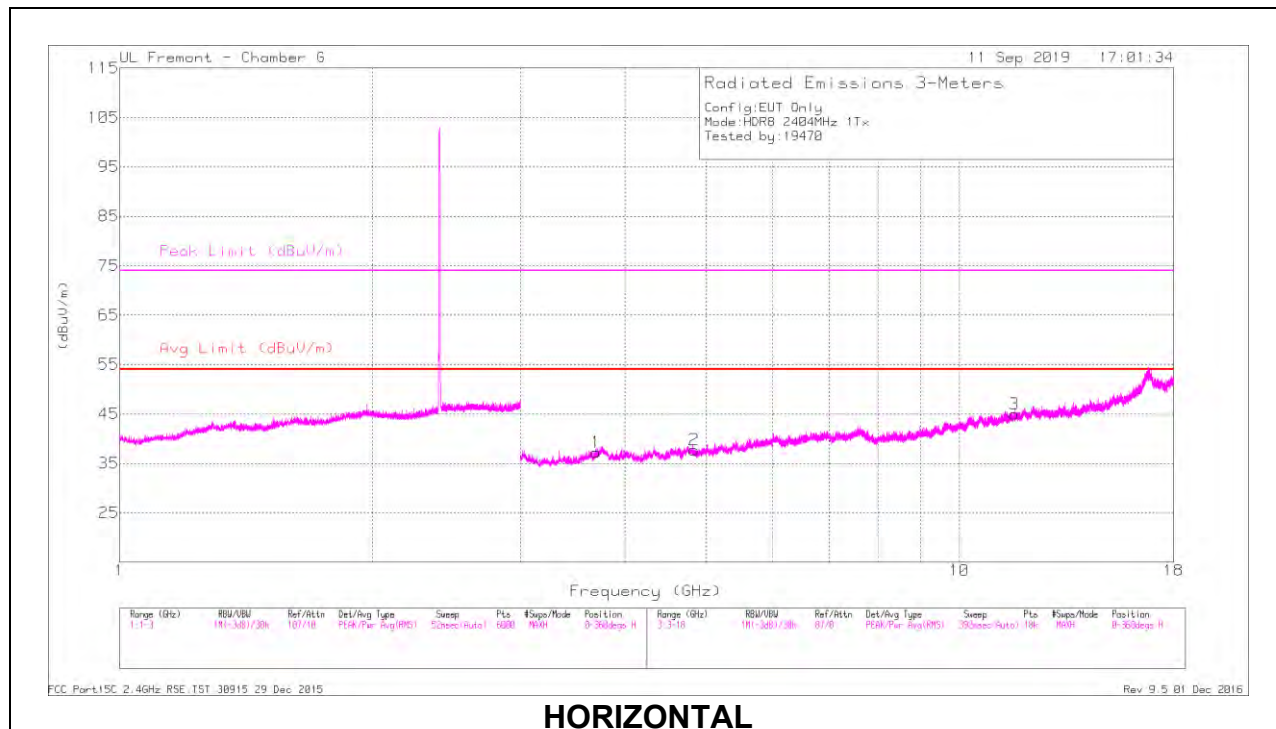
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



## RADIATED EMISSIONS

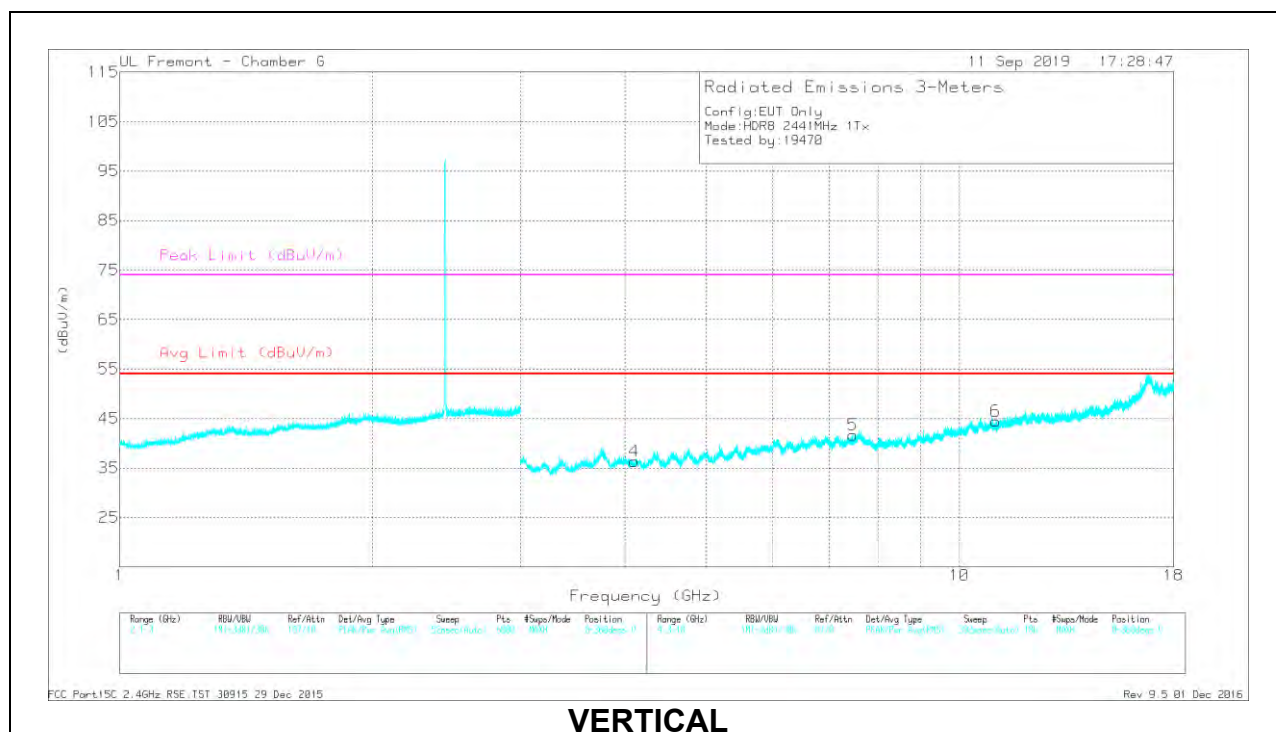
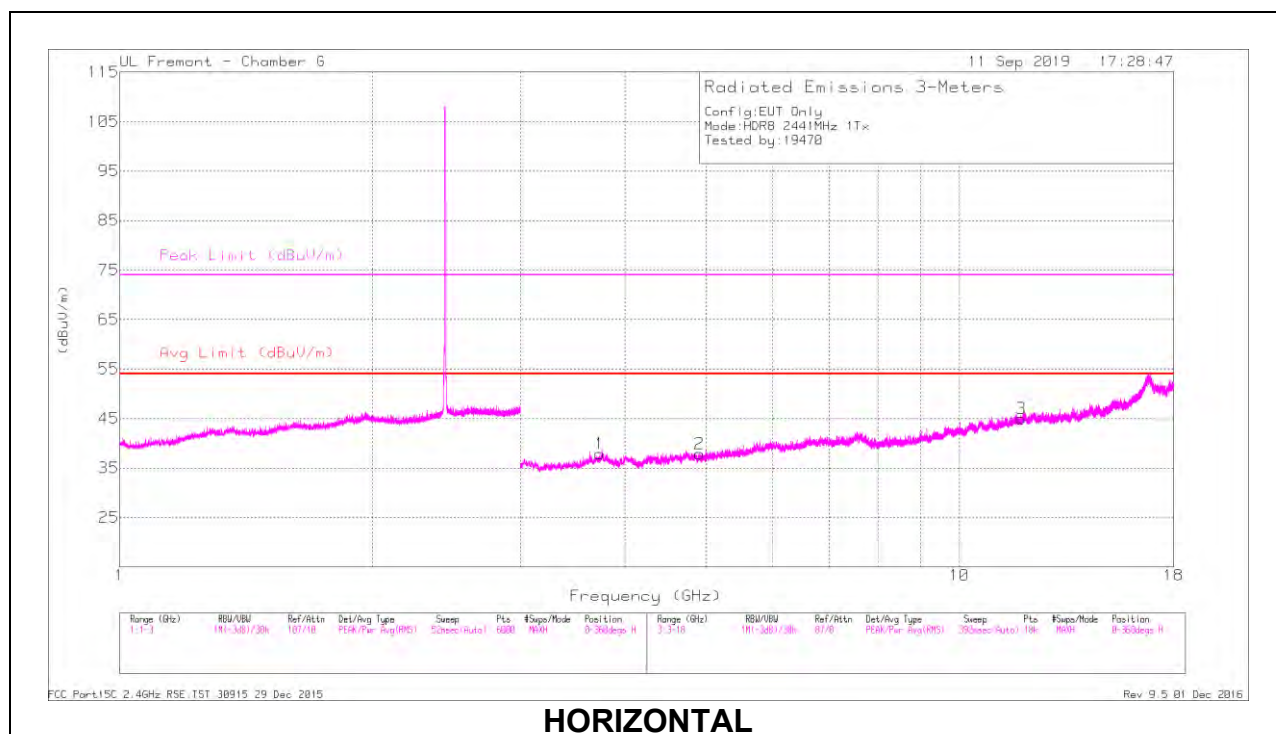
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T136 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 3.693         | 40.13                | PK2  | 33             | -29                   | 44.13                      | -                  | -           | 74                  | -29.87         | 0              | 101         | H        |
|        | * 3.691         | 29.25                | MAv1 | 33             | -28.9                 | 33.35                      | 54                 | -20.65      | -                   | -              | 0              | 101         | H        |
| 2      | * 4.832         | 39.9                 | PK2  | 34.2           | -29.7                 | 44.4                       | -                  | -           | 74                  | -29.6          | 0              | 101         | H        |
|        | * 4.834         | 29.25                | MAv1 | 34.1           | -29.7                 | 33.65                      | 54                 | -20.35      | -                   | -              | 0              | 101         | H        |
| 3      | * 11.636        | 36.3                 | PK2  | 38.4           | -22.6                 | 52.1                       | -                  | -           | 74                  | -21.9          | 0              | 101         | H        |
|        | * 11.637        | 25.29                | MAv1 | 38.4           | -22.6                 | 41.09                      | 54                 | -12.91      | -                   | -              | 0              | 101         | H        |
| 4      | * 4.033         | 41.07                | PK2  | 33.2           | -29.4                 | 44.87                      | -                  | -           | 74                  | -29.13         | 0              | 101         | V        |
|        | * 4.035         | 29.33                | MAv1 | 33.2           | -29.4                 | 33.13                      | 54                 | -20.87      | -                   | -              | 0              | 101         | V        |
| 5      | * 7.494         | 39.46                | PK2  | 36.6           | -27.2                 | 48.86                      | -                  | -           | 74                  | -25.14         | 0              | 101         | V        |
|        | * 7.497         | 28.19                | MAv1 | 36.6           | -27.1                 | 37.69                      | 54                 | -16.31      | -                   | -              | 0              | 101         | V        |
| 6      | * 10.859        | 37.43                | PK2  | 37.6           | -23.5                 | 51.53                      | -                  | -           | 74                  | -22.47         | 0              | 101         | V        |
|        | * 10.86         | 25.78                | MAv1 | 37.6           | -23.4                 | 39.98                      | 54                 | -14.02      | -                   | -              | 0              | 101         | 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

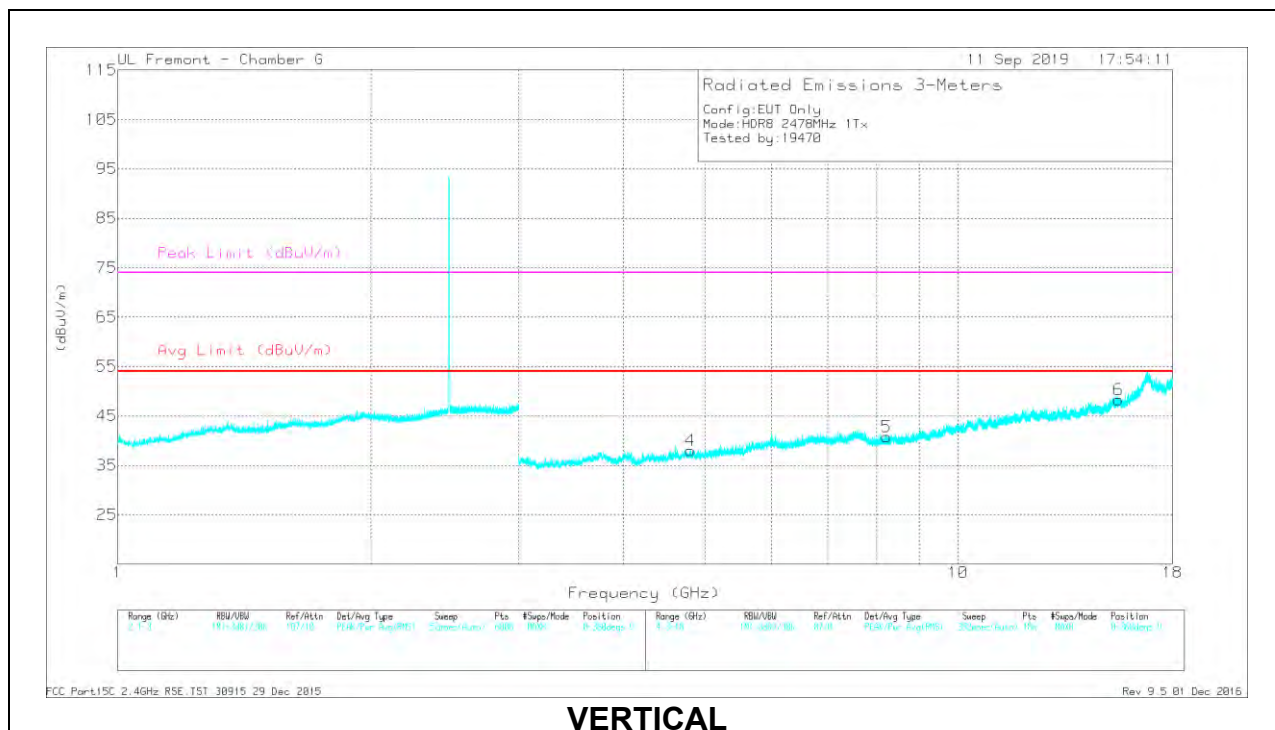
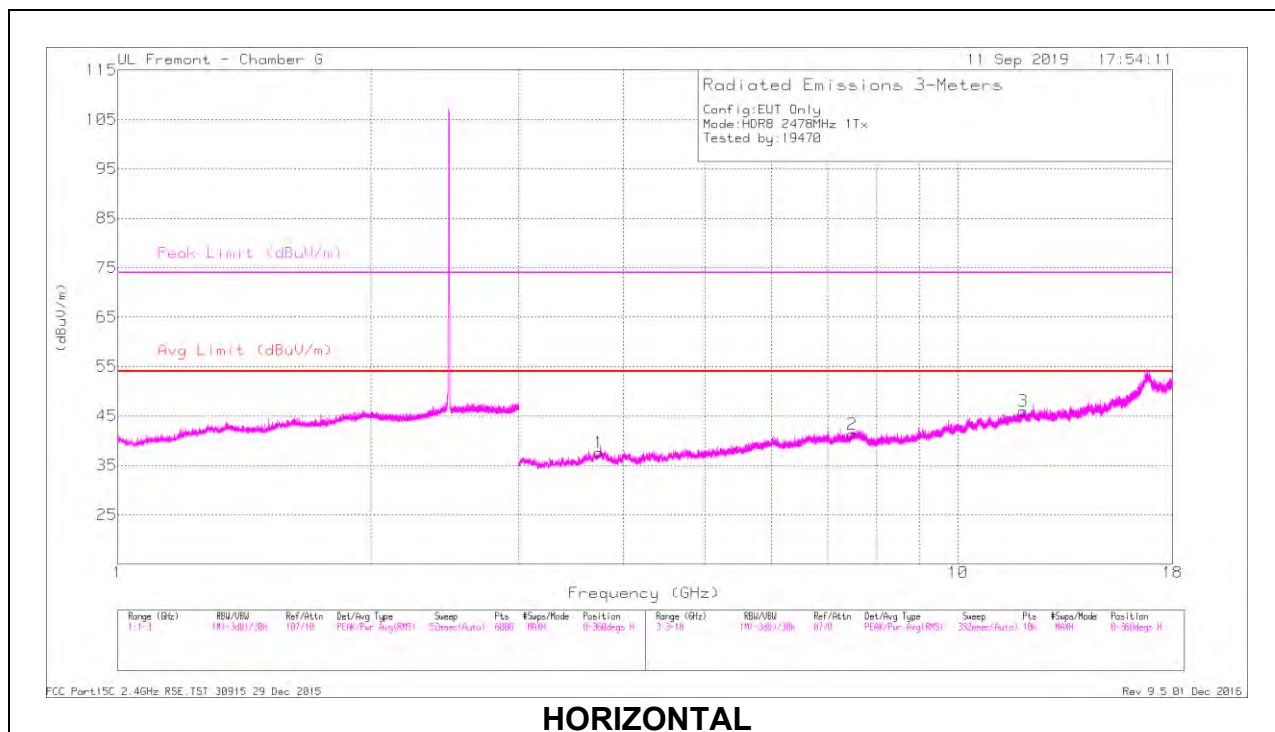
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T136 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 3.732         | 39.75                | PK2  | 33.1           | -28.9                 | 43.95                      | -                  | -           | 74                  | -30.05         | 0              | 101         | H        |
|        | * 3.733         | 28.8                 | MAv1 | 33.1           | -28.9                 | 33                         | 54                 | -21         | -                   | -              | 0              | 101         | H        |
| 2      | * 4.9           | 40.57                | PK2  | 34             | -29.6                 | 44.97                      | -                  | -           | 74                  | -29.03         | 0              | 101         | H        |
|        | * 4.901         | 29.36                | MAv1 | 34             | -29.6                 | 33.76                      | 54                 | -20.24      | -                   | -              | 0              | 101         | H        |
| 3      | * 11.856        | 36.39                | PK2  | 38.7           | -23.2                 | 51.89                      | -                  | -           | 74                  | -22.11         | 0              | 101         | H        |
|        | * 11.856        | 25.47                | MAv1 | 38.7           | -23.2                 | 40.97                      | 54                 | -13.03      | -                   | -              | 0              | 101         | H        |
| 4      | * 4.104         | 41.23                | PK2  | 33.2           | -30.1                 | 44.33                      | -                  | -           | 74                  | -29.67         | 0              | 101         | V        |
|        | * 4.105         | 29.72                | MAv1 | 33.2           | -30.1                 | 32.82                      | 54                 | -21.18      | -                   | -              | 0              | 101         | V        |
| 5      | * 7.473         | 39.26                | PK2  | 36.6           | -27.4                 | 48.46                      | -                  | -           | 74                  | -25.54         | 0              | 101         | V        |
|        | * 7.474         | 28.23                | MAv1 | 36.6           | -27.3                 | 37.53                      | 54                 | -16.47      | -                   | -              | 0              | 101         | V        |
| 6      | * 11.053        | 37.06                | PK2  | 37.6           | -23.3                 | 51.36                      | -                  | -           | 74                  | -22.64         | 0              | 101         | V        |
|        | * 11.053        | 25.76                | MAv1 | 37.6           | -23.3                 | 40.06                      | 54                 | -13.94      | -                   | -              | 0              | 101         | 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 T136 (dB/m) | Amp/Cbl/Fitr/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      | * 3.741         | 39.93                | PK2  | 33.1           | -28.9                 | 44.13                      | -                  | -           | 74                  | -29.87         | 0              | 101         | H        |
|        | * 3.743         | 28.8                 | MAv1 | 33.1           | -28.9                 | 33                         | 54                 | -21         | -                   | -              | 0              | 101         | H        |
| 2      | * 7.485         | 38.26                | PK2  | 36.5           | -27.3                 | 47.46                      | -                  | -           | 74                  | -26.54         | 0              | 101         | H        |
|        | * 7.485         | 27.41                | MAv1 | 36.5           | -27.3                 | 36.61                      | 54                 | -17.39      | -                   | -              | 0              | 101         | H        |
| 3      | * 11.957        | 36.37                | PK2  | 38.7           | -21.9                 | 53.17                      | -                  | -           | 74                  | -20.83         | 0              | 101         | H        |
|        | * 11.955        | 25.26                | MAv1 | 38.7           | -21.9                 | 42.06                      | 54                 | -11.94      | -                   | -              | 0              | 101         | H        |
| 4      | * 4.801         | 40.78                | PK2  | 34.2           | -29.7                 | 45.28                      | -                  | -           | 74                  | -28.72         | 0              | 101         | V        |
|        | * 4.801         | 29.06                | MAv1 | 34.2           | -29.7                 | 33.56                      | 54                 | -20.44      | -                   | -              | 0              | 101         | V        |
| 5      | * 8.225         | 38.83                | PK2  | 35.7           | -26.6                 | 47.93                      | -                  | -           | 74                  | -26.07         | 0              | 101         | V        |
|        | * 8.226         | 27.45                | MAv1 | 35.7           | -26.6                 | 36.55                      | 54                 | -17.45      | -                   | -              | 0              | 101         | V        |
| 6      | * 15.53         | 37.07                | PK2  | 41             | -22.9                 | 55.17                      | -                  | -           | 74                  | -18.83         | 0              | 101         | V        |
|        | * 15.528        | 26.21                | MAv1 | 41             | -22.9                 | 44.31                      | 54                 | -9.69       | -                   | -              | 0              | 101         | V        |

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

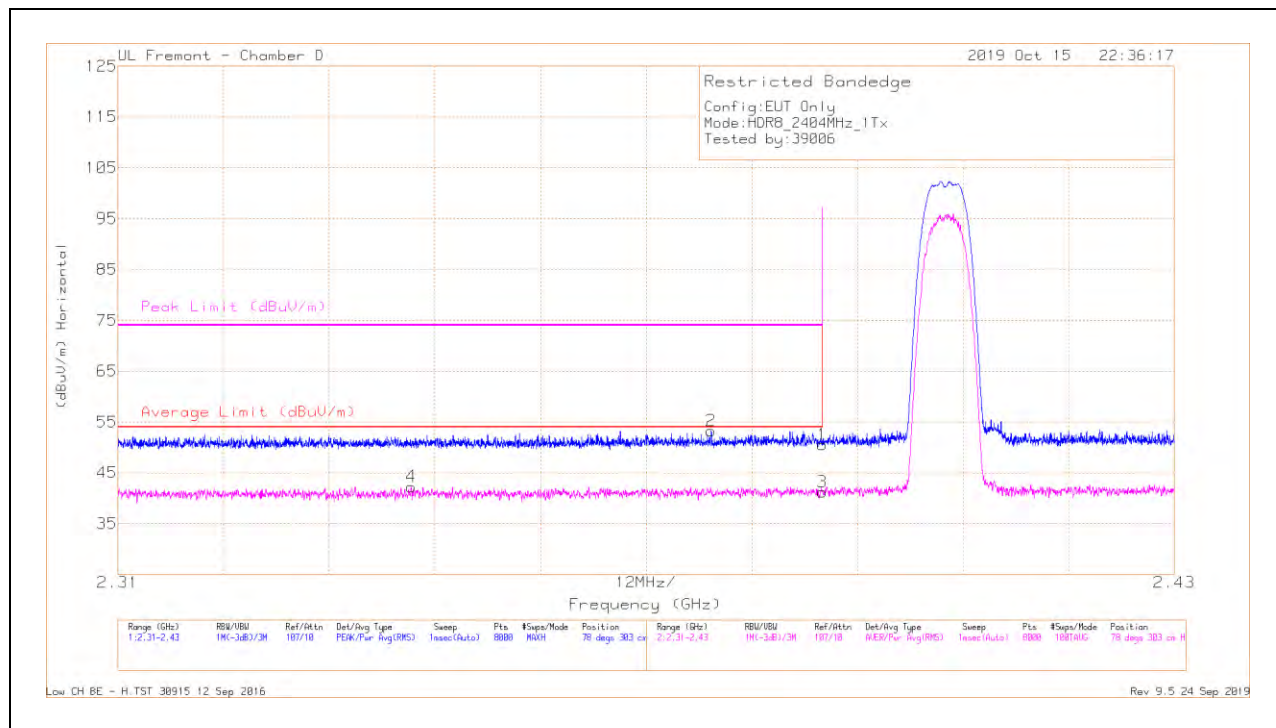
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### LAT 3

### BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT



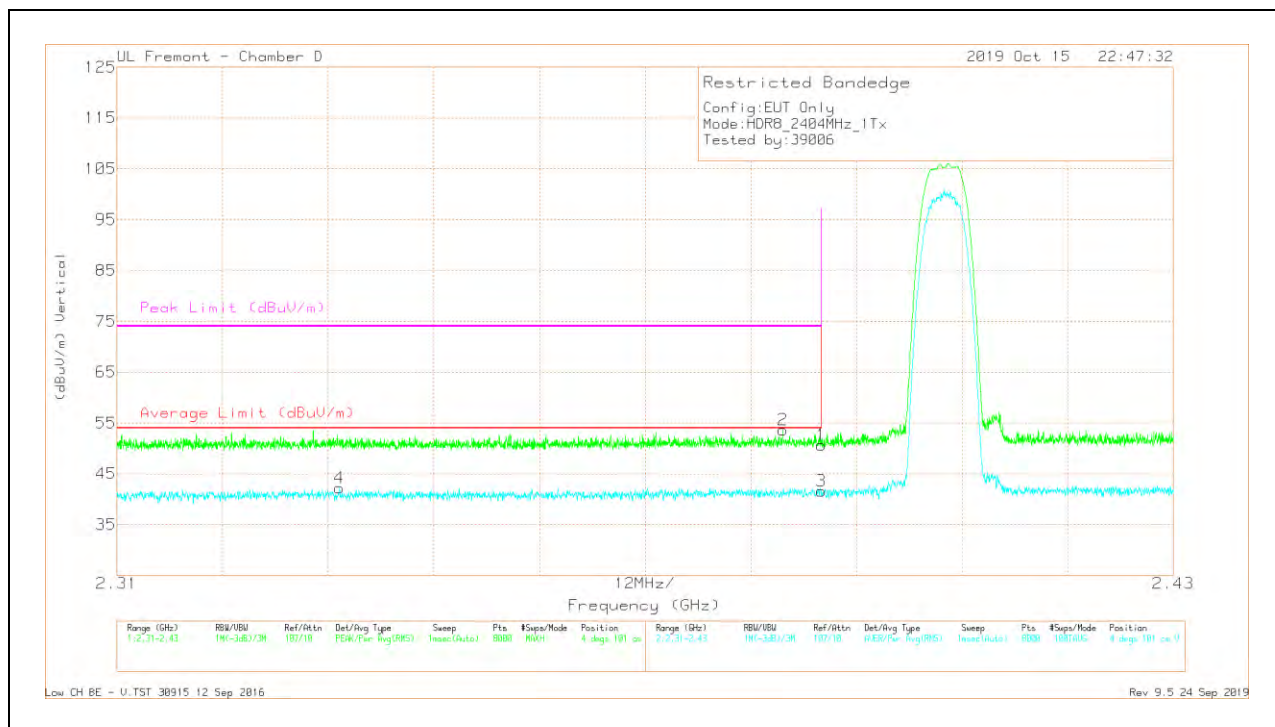
| Marker | Frequency (GHz) | Meter Reading (dBUV) | Det | AF T712 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBUV/m) | Average Limit (dBUV/m) | Margin (dB) | Peak Limit (dBUV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 4      | * 2.34332       | 31.18                | RMS | 31.8           | -20.7                  | 42.28                      | 54                     | -11.72      | -                   | -              | 78             | 303         | H        |
| 2      | * 2.3774        | 41.91                | Pk  | 31.9           | -20.5                  | 53.31                      | -                      | -           | 74                  | -20.69         | 78             | 303         | H        |
| 1      | * 2.38999       | 38.99                | Pk  | 32             | -20.5                  | 50.49                      | -                      | -           | 74                  | -23.51         | 78             | 303         | H        |
| 3      | * 2.38999       | 29.76                | RMS | 32             | -20.5                  | 41.26                      | 54                     | -12.74      | -                   | -              | 78             | 303         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 4      | * 2.33528       | 31.02                | RMS | 31.8           | -20.6                  | 42.22                      | 54                     | -11.78      | -                   | -              | 4              | 101         | V        |
| 2      | * 2.38566       | 42.25                | Pk  | 32             | -20.6                  | 53.65                      | -                      | -           | 74                  | -20.35         | 4              | 101         | V        |
| 1      | * 2.38999       | 39.18                | Pk  | 32             | -20.5                  | 50.68                      | -                      | -           | 74                  | -23.32         | 4              | 101         | V        |
| 3      | * 2.38999       | 30.09                | RMS | 32             | -20.5                  | 41.59                      | 54                     | -12.41      | -                   | -              | 4              | 101         | V        |

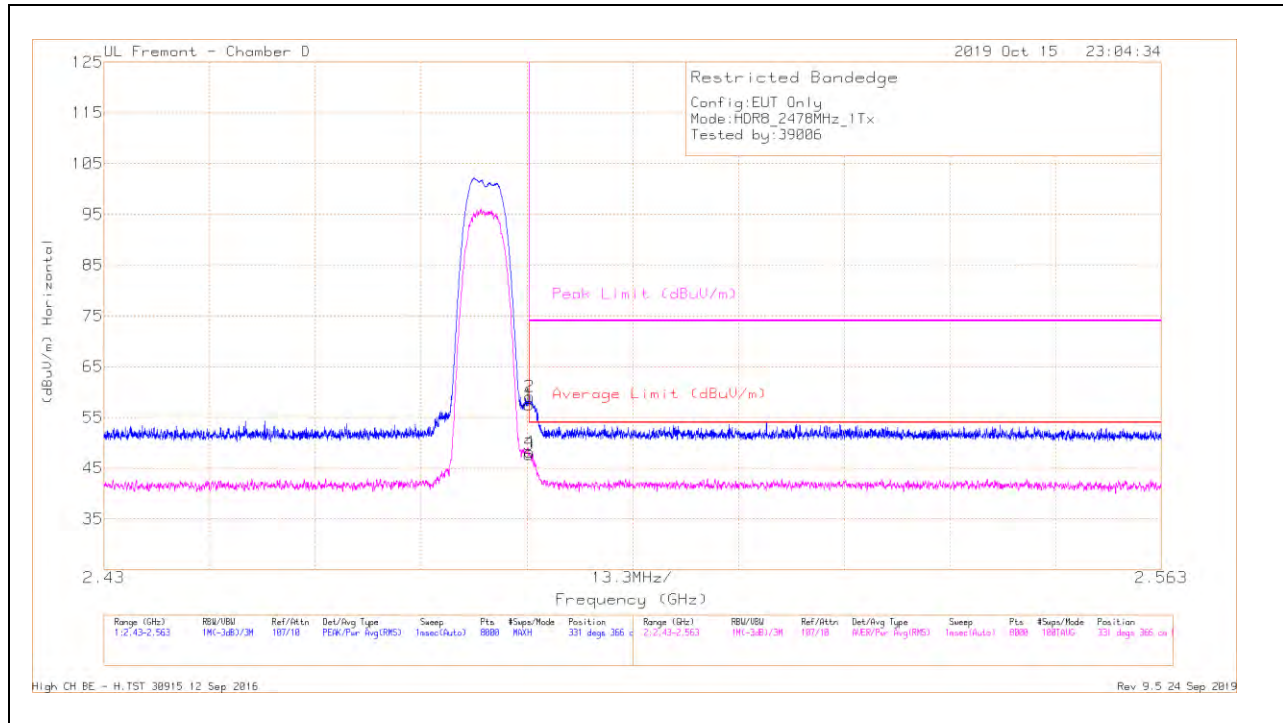
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## BANDEDGE (HIGH CHANNEL)

### HORIZONTAL RESULT



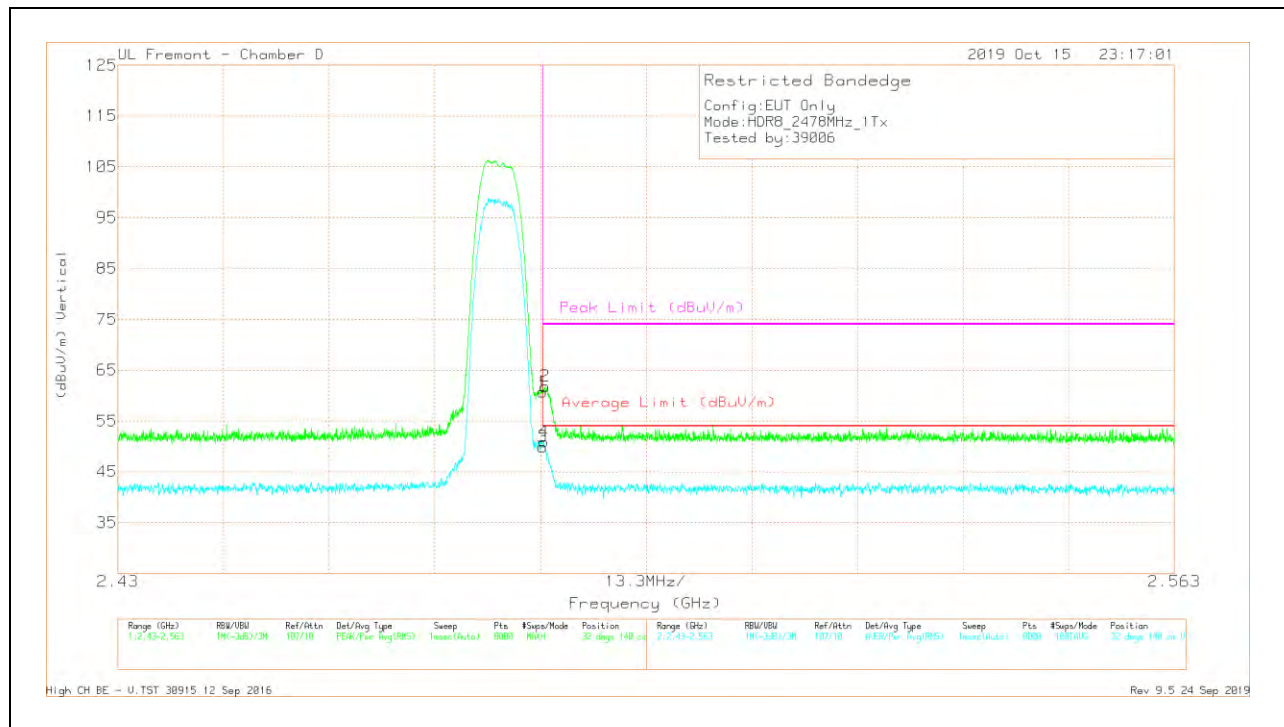
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/Cbl/Filt/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 45.64                | Pk  | 32.4           | -20.5                 | 57.54                      | -                      | -           | 74                  | -16.46         | 331            | 366         | H        |
| 3      | * 2.48351       | 35.78                | RMS | 32.4           | -20.5                 | 47.68                      | 54                     | -6.32       | -                   | -              | 331            | 366         | H        |
| 2      | * 2.48356       | 47.2                 | Pk  | 32.4           | -20.5                 | 59.1                       | -                      | -           | 74                  | -14.9          | 331            | 366         | H        |
| 4      | * 2.48356       | 36.28                | RMS | 32.4           | -20.5                 | 48.18                      | 54                     | -5.82       | -                   | -              | 331            | 366         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 48.85                | Pk  | 32.4           | -20.5                  | 60.75                      | -                      | -           | 74                  | -13.25         | 32             | 140         | V        |
| 3      | * 2.48351       | 37.99                | RMS | 32.4           | -20.5                  | 49.89                      | 54                     | -4.11       | -                   | -              | 32             | 140         | V        |
| 4      | * 2.48361       | 38.97                | RMS | 32.4           | -20.5                  | 50.87                      | 54                     | -3.13       | -                   | -              | 32             | 140         | V        |
| 2      | * 2.48377       | 49.96                | Pk  | 32.4           | -20.5                  | 61.86                      | -                      | -           | 74                  | -12.14         | 32             | 140         | V        |

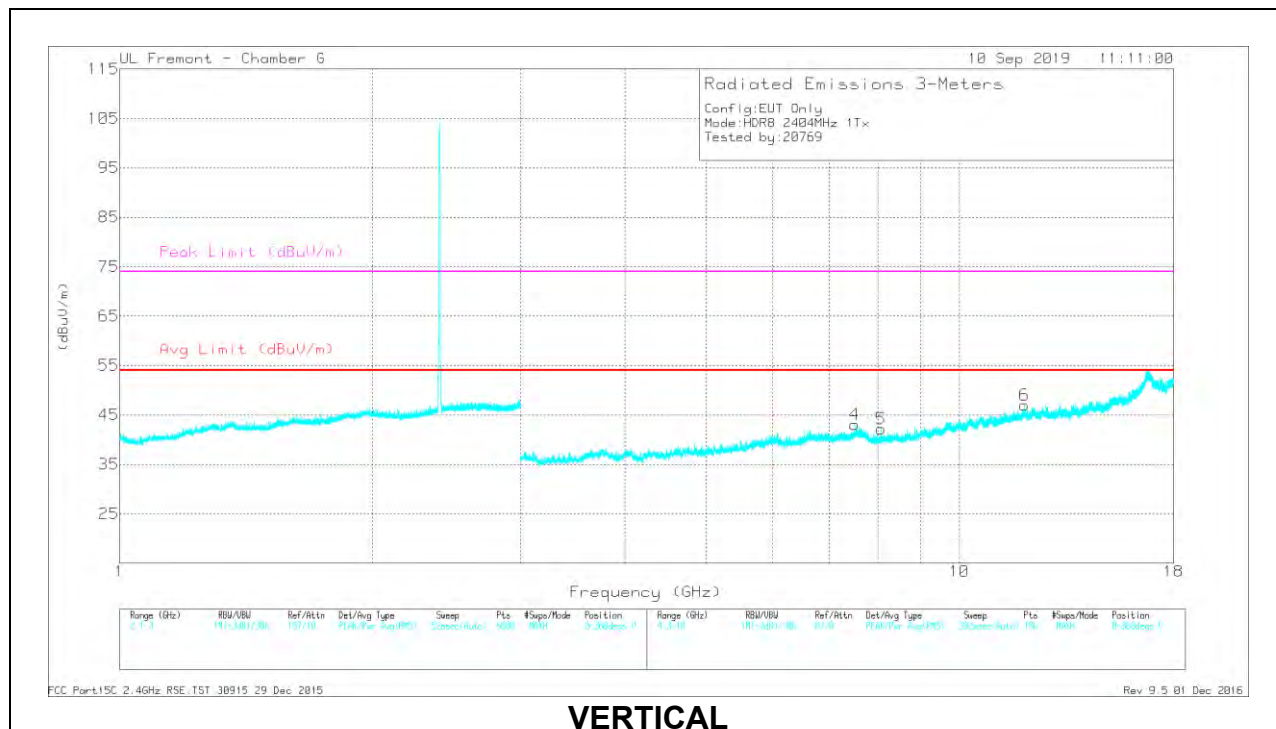
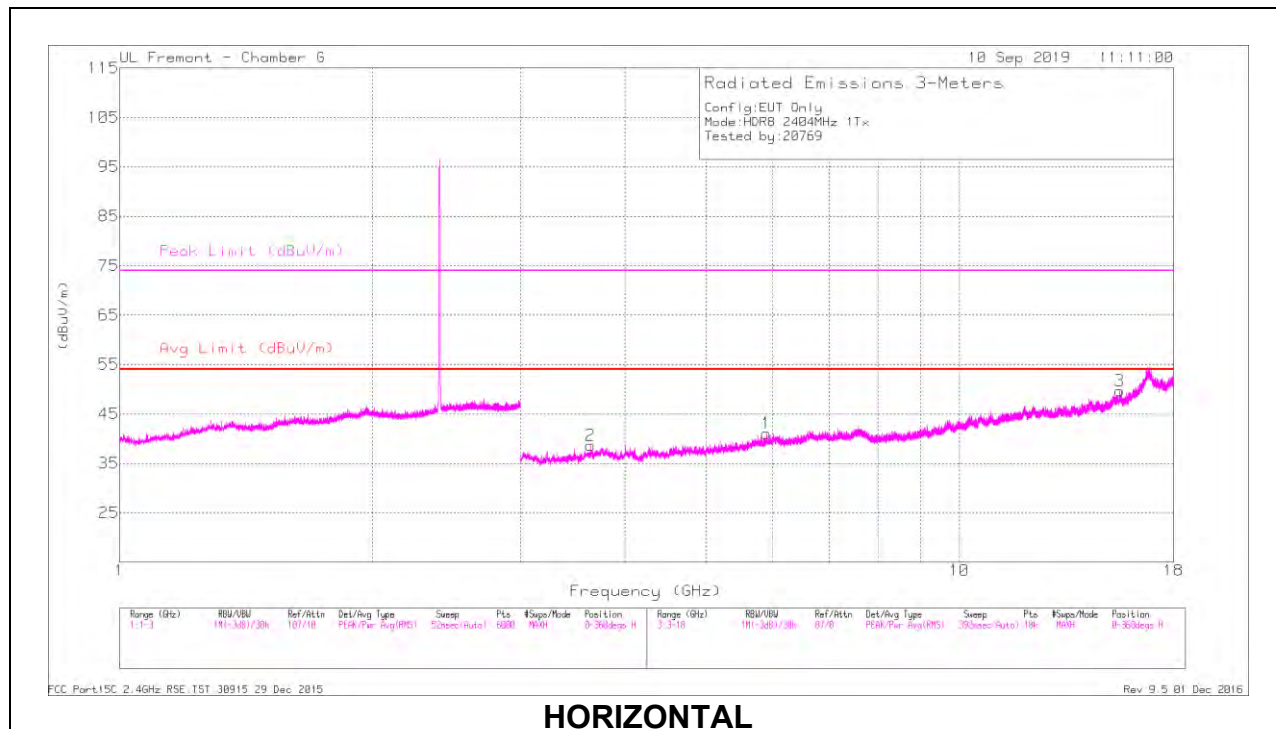
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



## RADIATED EMISSIONS

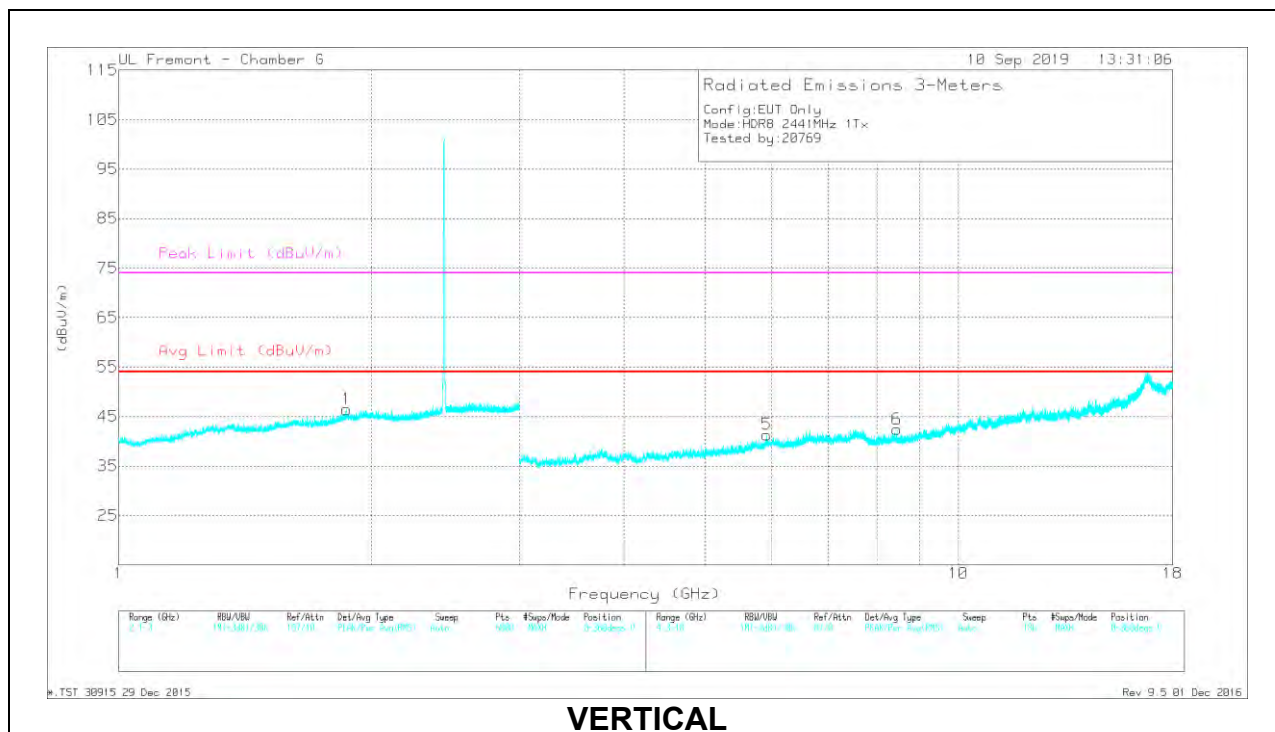
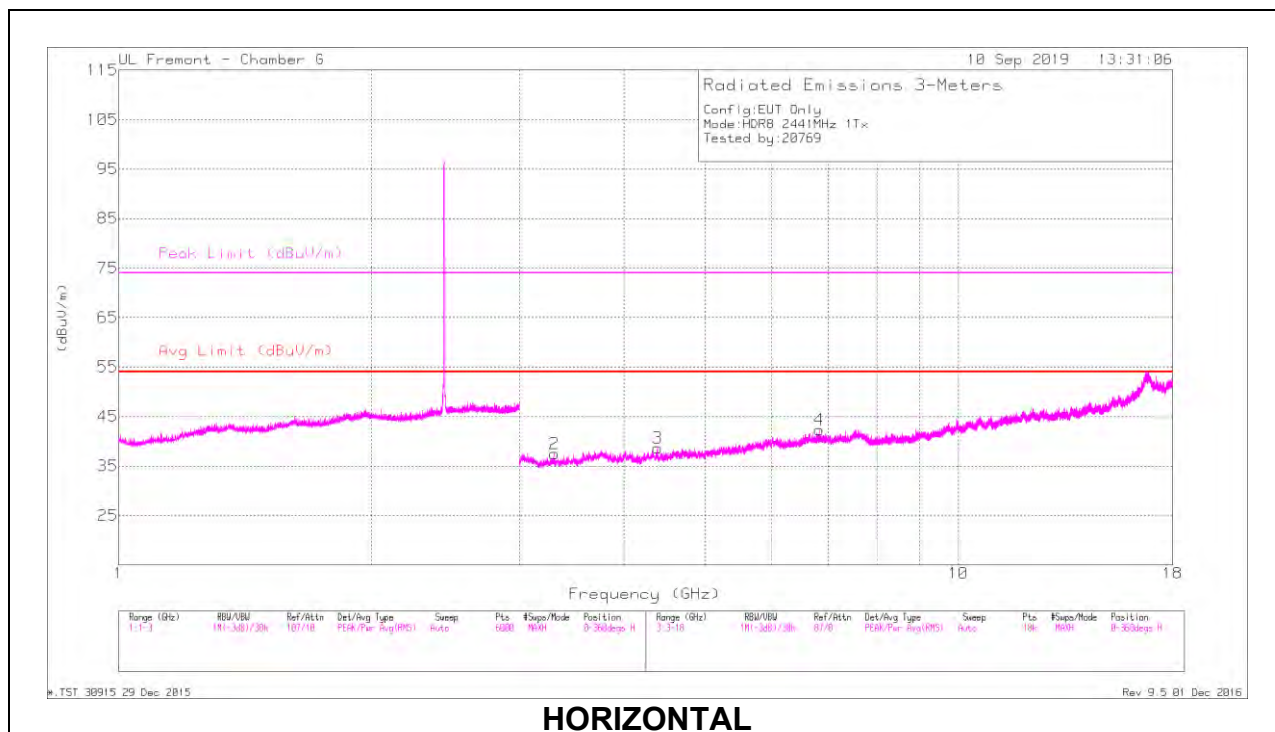
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T136 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 3.639         | 41.08                | PK2  | 33.2           | -29.5                 | 44.78                      | -                  | -           | 74                  | -29.22         | 214            | 254         | H        |
|        | * 3.639         | 29.42                | MAv1 | 33.2           | -29.5                 | 33.12                      | 54                 | -20.88      | -                   | -              | 214            | 254         | H        |
| 3      | * 15.525        | 37.67                | PK2  | 41.1           | -23                   | 55.77                      | -                  | -           | 74                  | -18.23         | 289            | 143         | H        |
|        | * 15.523        | 26.14                | MAv1 | 41.1           | -23.1                 | 44.14                      | 54                 | -9.86       | -                   | -              | 289            | 143         | H        |
| 4      | * 7.515         | 38.75                | PK2  | 36.7           | -27                   | 48.45                      | -                  | -           | 74                  | -25.55         | 360            | 144         | V        |
|        | * 7.515         | 27.31                | MAv1 | 36.7           | -27                   | 37.01                      | 54                 | -16.99      | -                   | -              | 360            | 144         | V        |
| 5      | * 8.069         | 38.93                | PK2  | 35.6           | -26.9                 | 47.63                      | -                  | -           | 74                  | -26.37         | 319            | 219         | V        |
|        | * 8.071         | 27.41                | MAv1 | 35.6           | -26.9                 | 36.11                      | 54                 | -17.89      | -                   | -              | 319            | 219         | V        |
| 6      | * 11.967        | 36.31                | PK2  | 38.8           | -22.1                 | 53.01                      | -                  | -           | 74                  | -20.99         | 354            | 223         | V        |
|        | * 11.965        | 24.7                 | MAv1 | 38.8           | -22                   | 41.5                       | 54                 | -12.5       | -                   | -              | 354            | 223         | V        |
| 1      | 5.897           | 41.36                | PK2  | 35.6           | -29.3                 | 47.66                      | -                  | -           | -                   | -              | 23             | 187         | 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

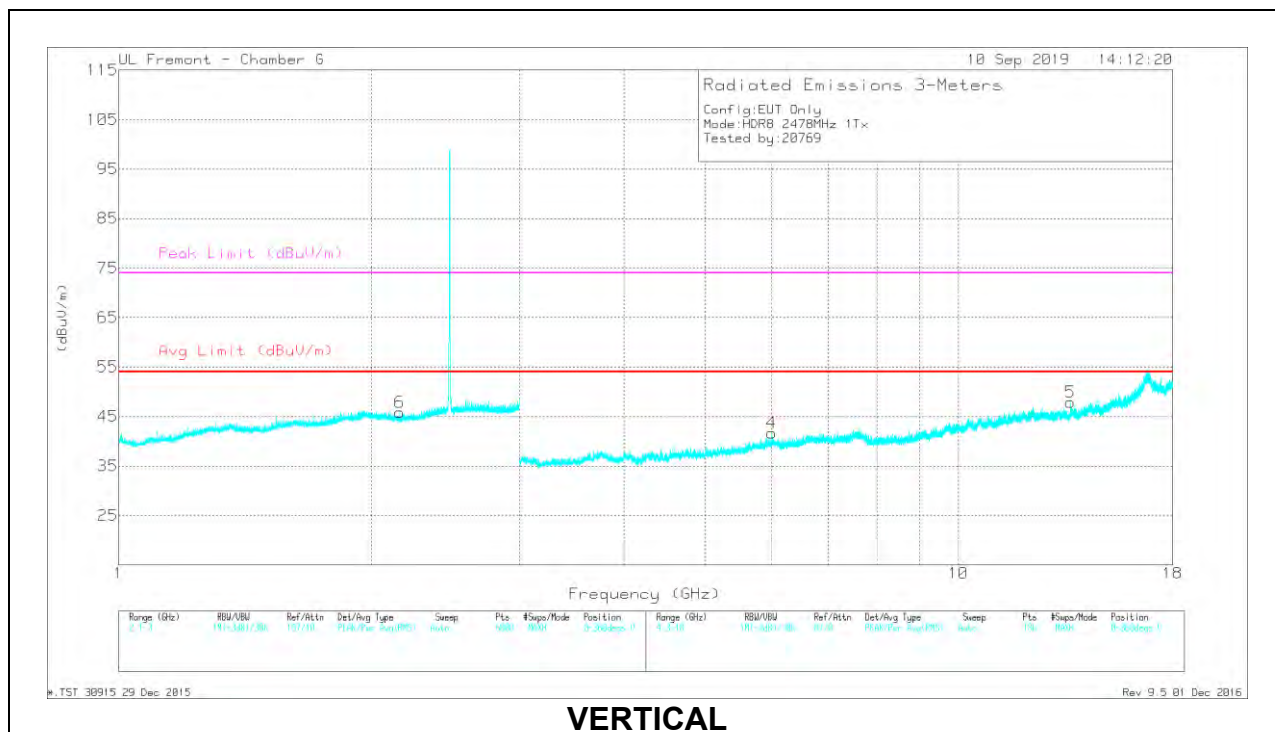
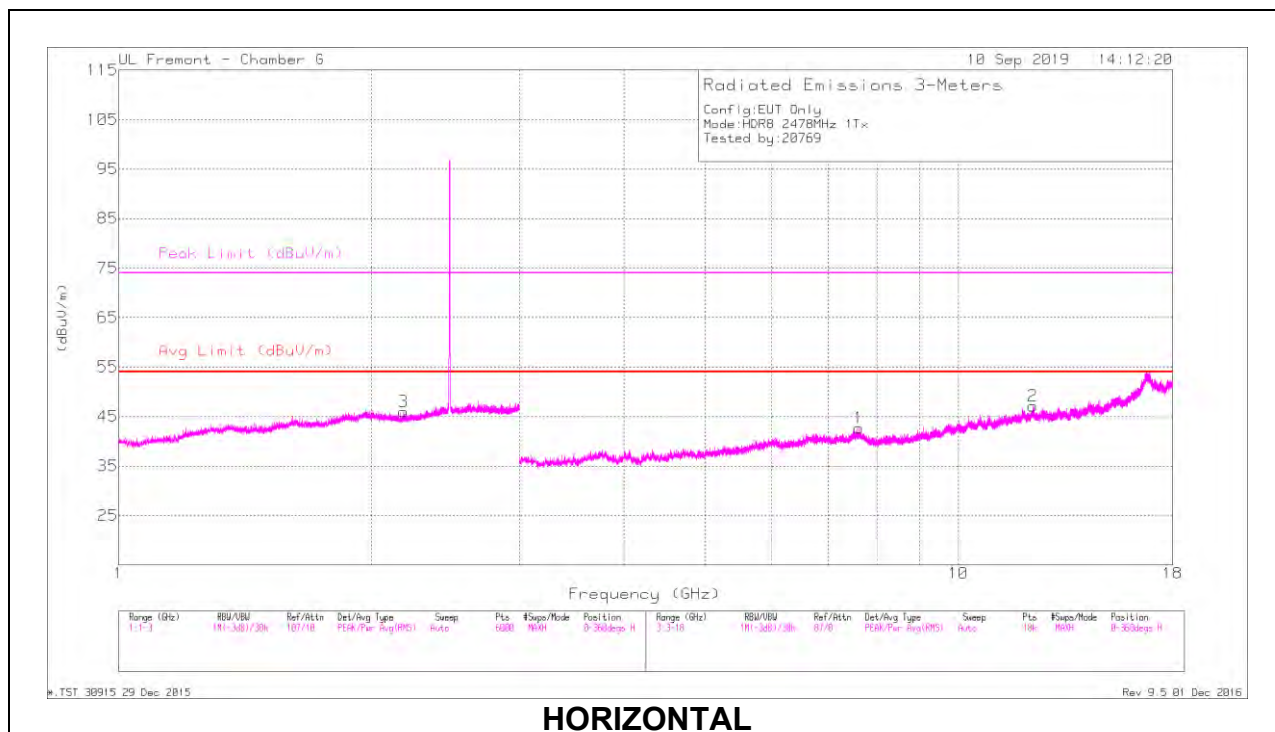


## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T136 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 3      | * 4.385         | 41.07                | PK2  | 33.6           | -29.7                 | 44.97                      | -                  | -           | 74                  | -29.03         | 151            | 224         | H        |
|        | * 4.382         | 29.06                | MAv1 | 33.6           | -29.7                 | 32.96                      | 54                 | -21.04      | -                   | -              | 151            | 224         | H        |
| 6      | * 8.448         | 38.62                | PK2  | 35.8           | -26.3                 | 48.12                      | -                  | -           | 74                  | -25.88         | 13             | 211         | V        |
|        | * 8.451         | 26.66                | MAv1 | 35.8           | -26.3                 | 36.16                      | 54                 | -17.84      | -                   | -              | 13             | 211         | V        |
| 1      | 1.866           | 43.8                 | PK2  | 31.5           | -22.6                 | 52.7                       | -                  | -           | -                   | -              | 303            | 384         | V        |
| 2      | 3.302           | 41.91                | PK2  | 32.7           | -30.6                 | 44.01                      | -                  | -           | -                   | -              | 0              | 128         | H        |
| 5      | 5.917           | 40.17                | PK2  | 35.6           | -29.1                 | 46.67                      | -                  | -           | -                   | -              | 11             | 163         | V        |
| 4      | 6.836           | 40.29                | PK2  | 36.4           | -28.3                 | 48.39                      | -                  | -           | -                   | -              | 91             | 178         | H        |

\* - 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 T136 (dB/m) | Amp/Cbl/Fitr/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      | * 7.614         | 39.18                | PK2  | 37.1           | -27.3                 | 48.98                      | -                  | -           | 74                  | -25.02         | 38             | 164         | H        |
|        | * 7.614         | 27.49                | MAV1 | 37.1           | -27.3                 | 37.29                      | 54                 | -16.71      | -                   | -              | 38             | 164         | H        |
| 2      | * 12.277        | 36.13                | PK2  | 39             | -22.2                 | 52.93                      | -                  | -           | 74                  | -21.07         | 187            | 222         | H        |
|        | * 12.279        | 24.69                | MAV1 | 39             | -22.2                 | 41.49                      | 54                 | -12.51      | -                   | -              | 187            | 222         | H        |
| 6      | 2.161           | 44.18                | PK2  | 31             | -22.5                 | 52.68                      | -                  | -           | -                   | -              | 44             | 143         | V        |
| 3      | 2.184           | 43.48                | PK2  | 31.1           | -22.4                 | 52.18                      | -                  | -           | -                   | -              | 271            | 125         | H        |
| 4      | 6.002           | 39.84                | PK2  | 35.7           | -28.2                 | 47.34                      | -                  | -           | -                   | -              | 155            | 330         | V        |
| 5      | 13.613          | 37.54                | PK2  | 38.8           | -22.9                 | 53.44                      | -                  | -           | -                   | -              | 305            | 141         | V        |

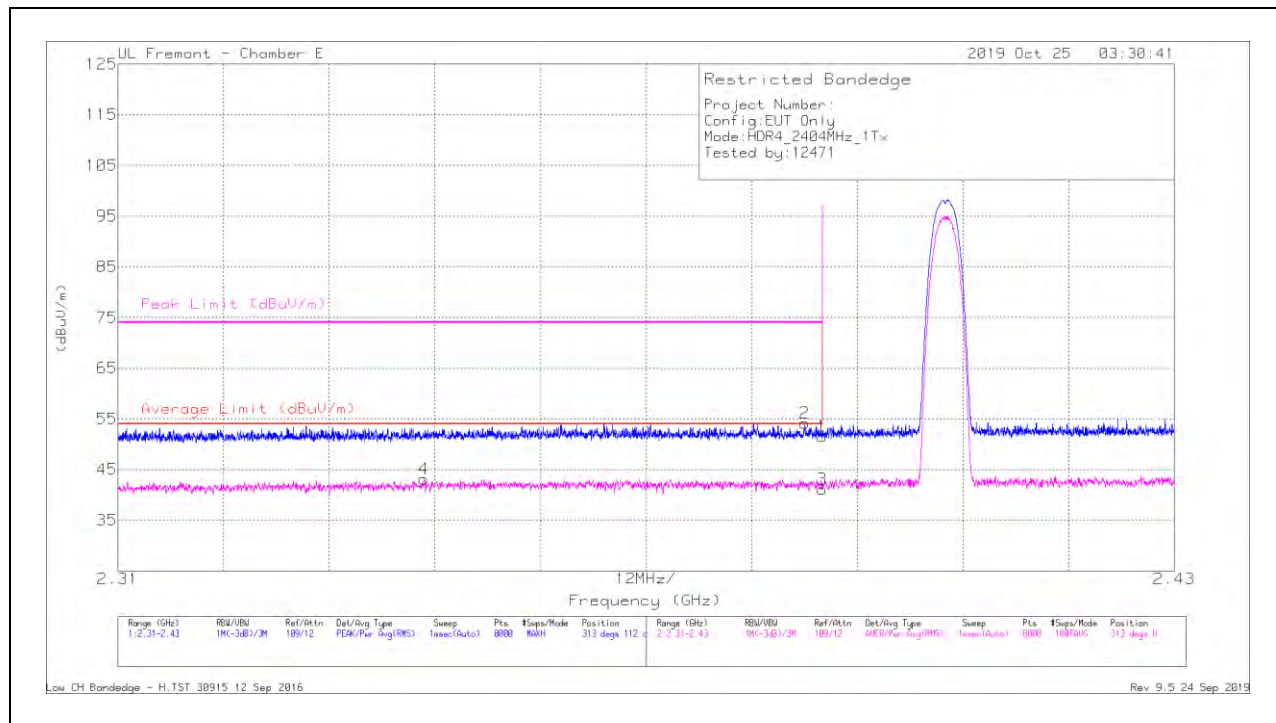
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
PK2 - KDB558074 Method: Maximum Peak  
MAV1 - KDB558074 Option 1 Maximum RMS Average

### 9.2.3. LOW POWER HDR (HDR4)

#### UAT 1

#### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT



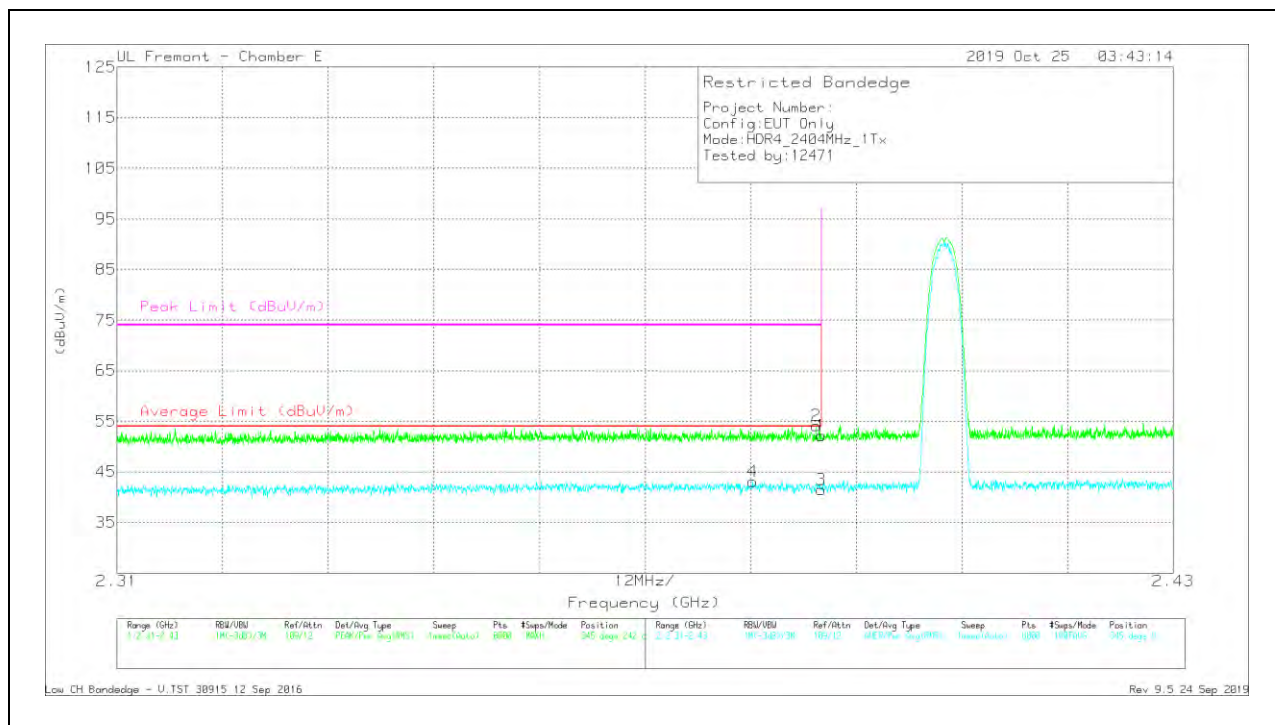
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.38999       | 37.38                | Pk  | 32.3           | -18.2                  | 51.48                      | -                      | -           | 74                  | -22.52         | 313            | 112         | H        |
| 2      | * 2.38803       | 40.05                | Pk  | 32.3           | -18.2                  | 54.15                      | -                      | -           | 74                  | -19.85         | 313            | 112         | H        |
| 3      | * 2.38999       | 27.01                | RMS | 32.3           | -18.2                  | 41.11                      | 54                     | -12.89      | -                   | -              | 313            | 112         | H        |
| 4      | * 2.34479       | 29.3                 | RMS | 31.9           | -18.1                  | 43.1                       | 54                     | -10.9       | -                   | -              | 313            | 112         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Fitr/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      | * 2.38999       | 38.05                | Pk  | 32.3           | -18.2                 | 52.15                      | -                      | -           | 74                  | -21.85         | 345            | 242         | V        |
| 2      | * 2.38945       | 40.05                | Pk  | 32.3           | -18.2                 | 54.15                      | -                      | -           | 74                  | -19.85         | 345            | 242         | V        |
| 3      | * 2.38999       | 27.42                | RMS | 32.3           | -18.2                 | 41.52                      | 54                     | -12.48      | -                   | -              | 345            | 242         | V        |
| 4      | * 2.38222       | 28.96                | RMS | 32.3           | -18.2                 | 43.06                      | 54                     | -10.94      | -                   | -              | 345            | 242         | V        |

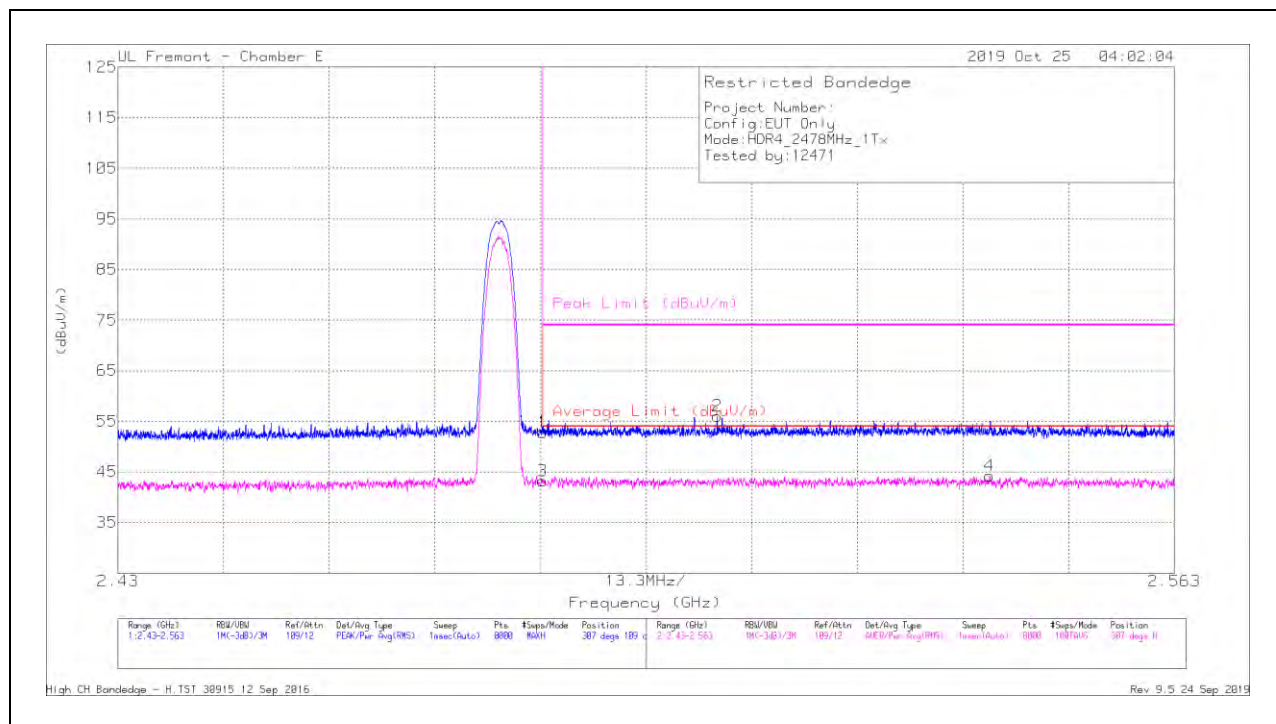
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## BANDEDGE (HIGH CHANNEL)

### HORIZONTAL RESULT



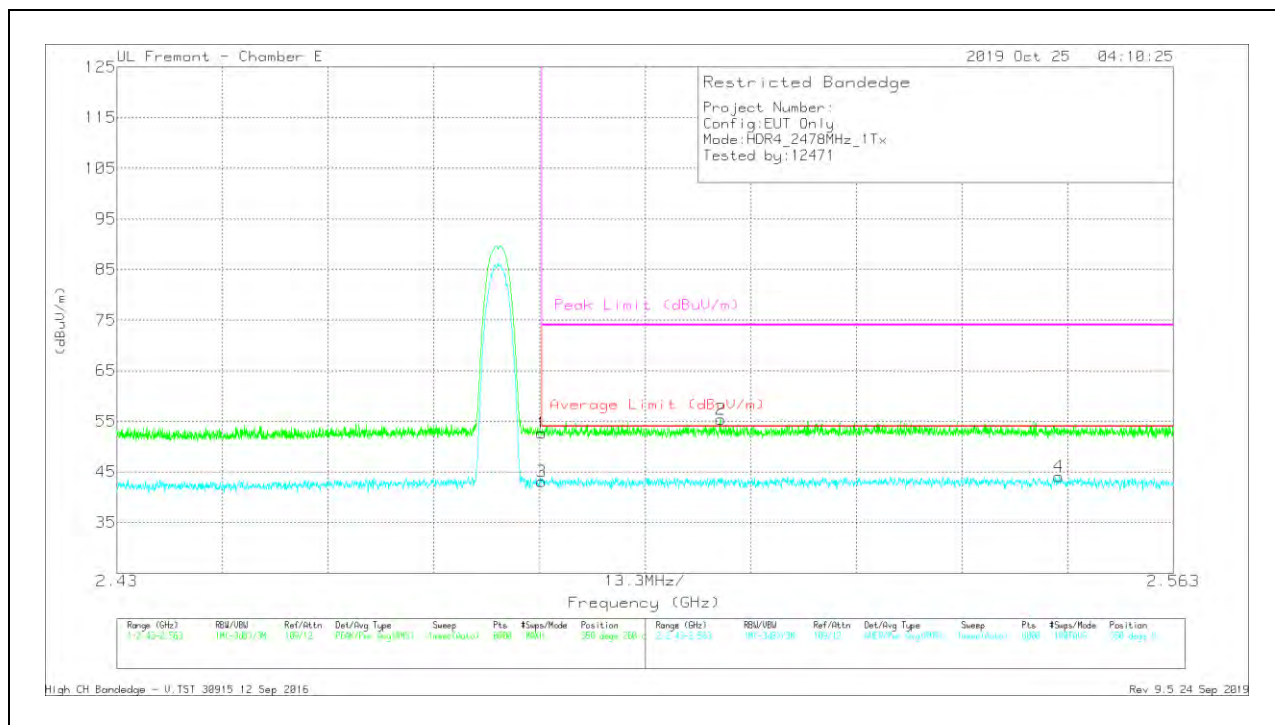
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 38.04                | Pk  | 32.8           | -18                   | 52.84                      | -                      | -           | 74                  | -21.16         | 307            | 109         | H        |
| 3      | * 2.48351       | 28.37                | RMS | 32.8           | -18                   | 43.17                      | 54                     | -10.83      | -                   | -              | 307            | 109         | H        |
| 2      | 2.50545         | 41.36                | Pk  | 32.9           | -18.2                 | 56.06                      | -                      | -           | 74                  | -17.94         | 307            | 109         | H        |
| 4      | 2.53975         | 29.28                | RMS | 32.9           | -18                   | 44.18                      | 54                     | -9.82       | -                   | -              | 307            | 109         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (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      | * 2.48351       | 37.83                | Pk  | 32.8           | -18                   | 52.63                      | -                      | -           | 74                  | -21.37         | 350            | 260         | V        |
| 3      | * 2.48351       | 28.28                | RMS | 32.8           | -18                   | 43.08                      | 54                     | -10.92      | -                   | -              | 350            | 260         | V        |
| 2      | 2.50599         | 40.63                | Pk  | 32.9           | -18.2                 | 55.33                      | -                      | -           | 74                  | -18.67         | 350            | 260         | V        |
| 4      | 2.5486          | 29.41                | RMS | 32.8           | -18.1                 | 44.11                      | 54                     | -9.89       | -                   | -              | 350            | 260         | V        |

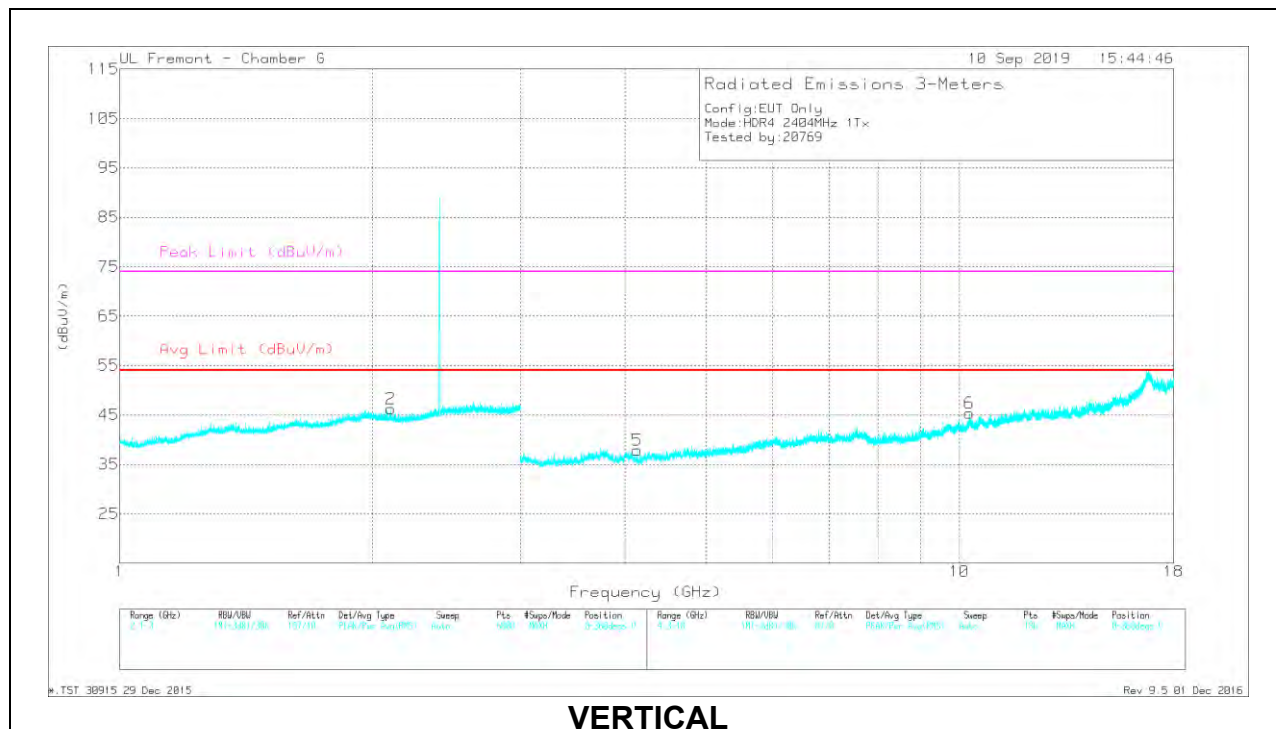
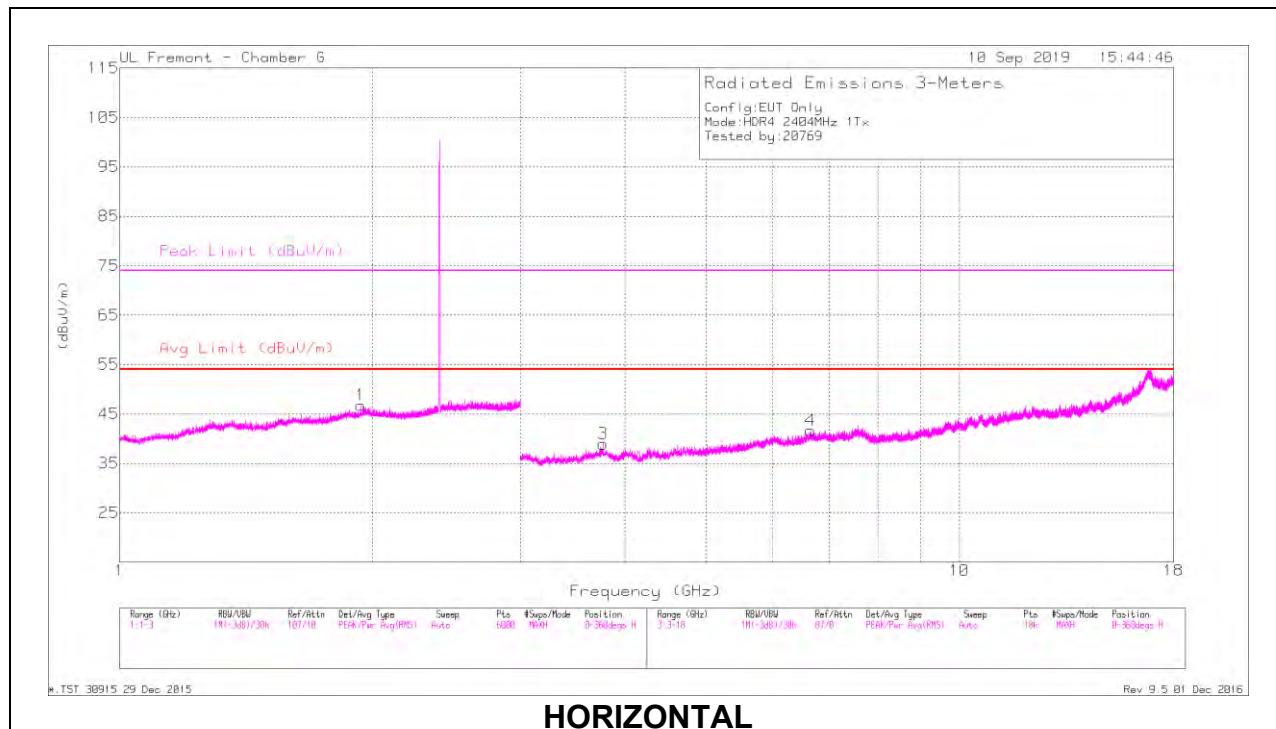
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS

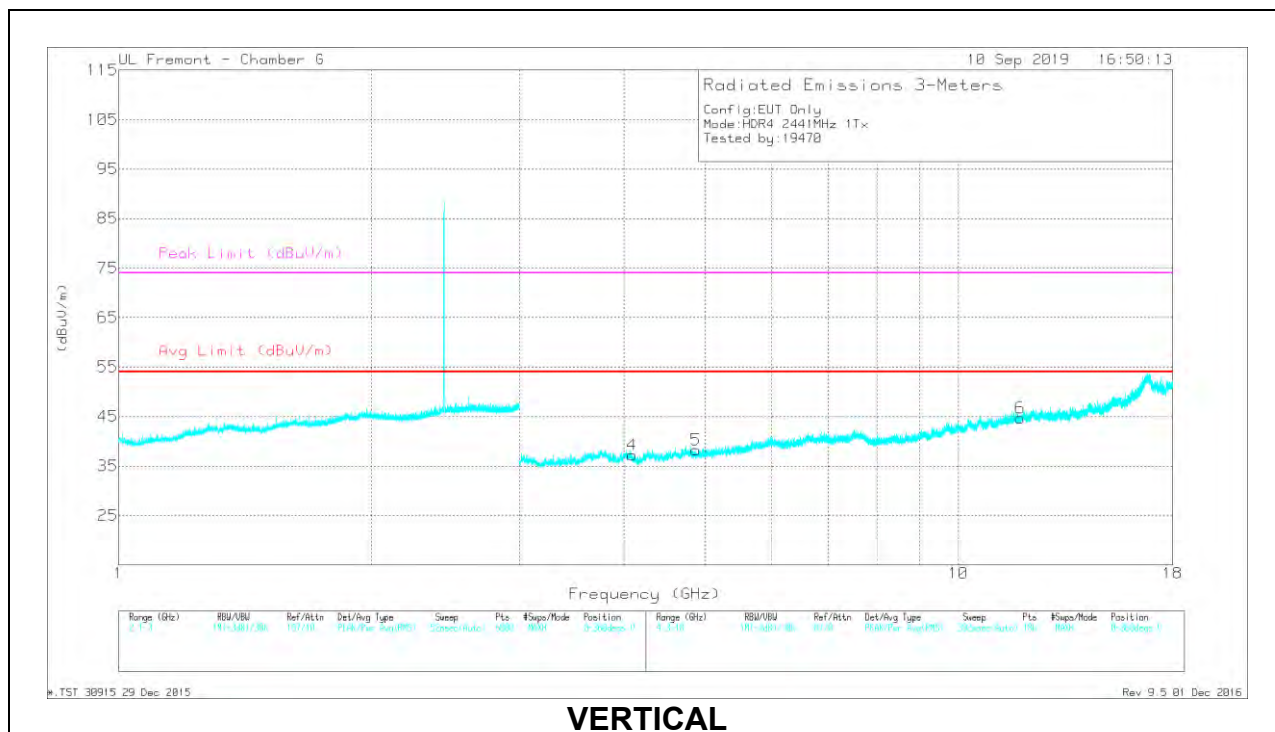
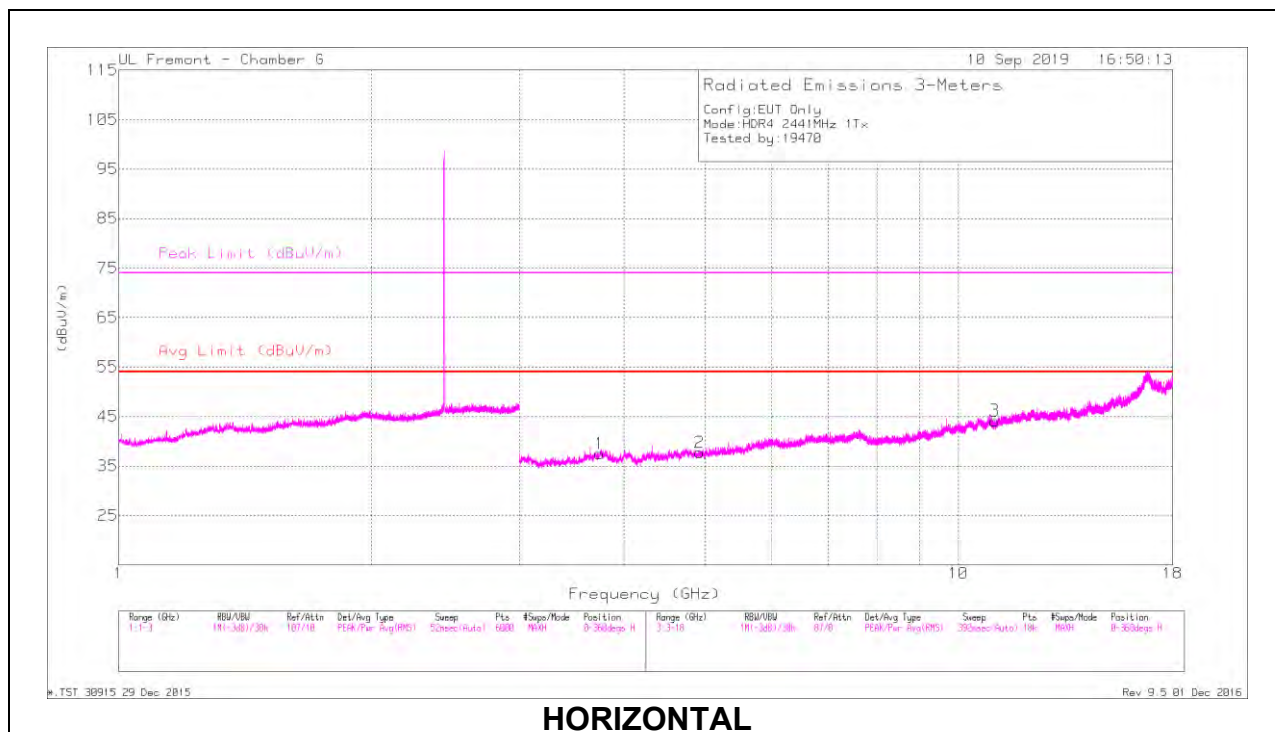


## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T136 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 3      | * 3.766         | 41.03                | PK2  | 33.3           | -29.2                 | 45.13                      | -                  | -           | 74                  | -28.87         | 148            | 105         | H        |
|        | * 3.764         | 28.84                | MAv1 | 33.3           | -29.2                 | 32.94                      | 54                 | -21.06      | -                   | -              | 148            | 105         | H        |
| 5      | * 4.132         | 41.34                | PK2  | 33.1           | -30.4                 | 44.04                      | -                  | -           | 74                  | -29.96         | 152            | 219         | V        |
|        | * 4.133         | 29.51                | MAv1 | 33.1           | -30.4                 | 32.21                      | 54                 | -21.79      | -                   | -              | 152            | 219         | V        |
| 1      | 1.937           | 43.19                | PK2  | 31.7           | -22.7                 | 52.19                      | -                  | -           | -                   | -              | 173            | 323         | H        |
| 2      | 2.103           | 44.04                | PK2  | 31.2           | -22.4                 | 52.84                      | -                  | -           | -                   | -              | 318            | 244         | V        |
| 4      | 6.651           | 40.15                | PK2  | 36.4           | -27.9                 | 48.65                      | -                  | -           | -                   | -              | 46             | 176         | H        |
| 6      | 10.287          | 36.92                | PK2  | 37.5           | -23.5                 | 50.92                      | -                  | -           | -                   | -              | 233            | 280         | 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

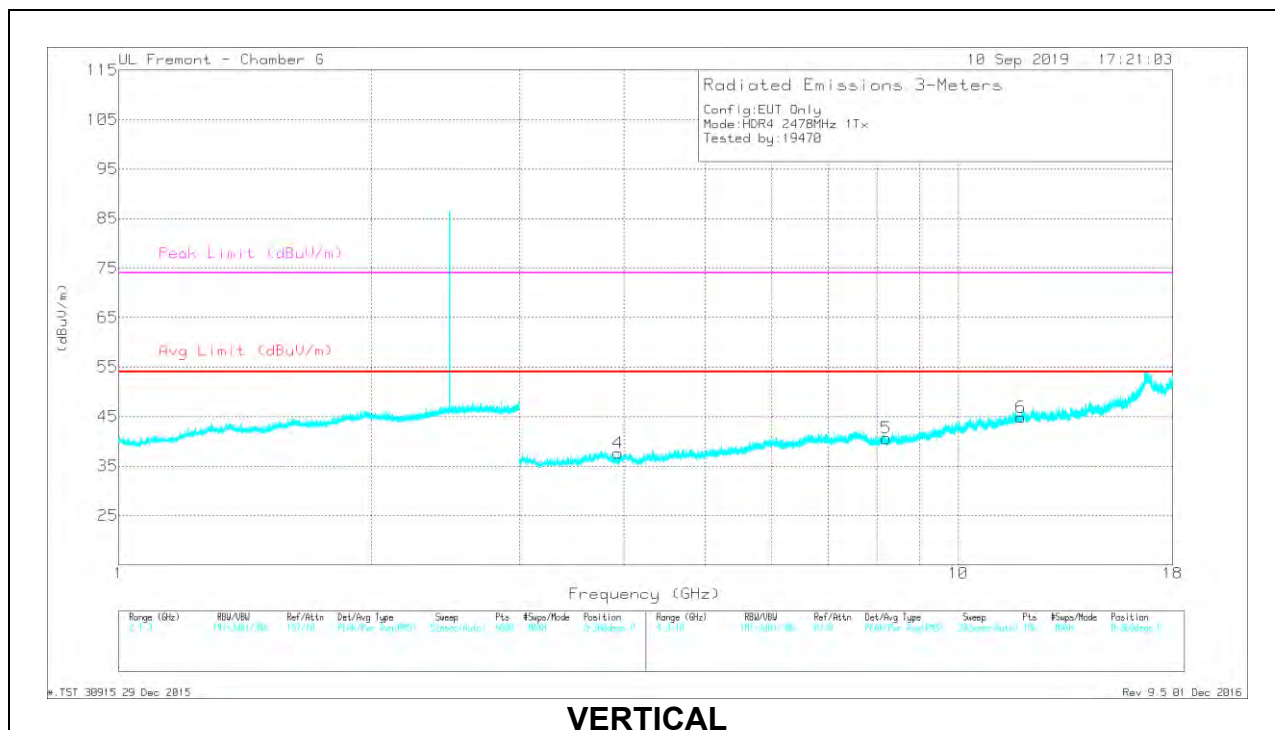
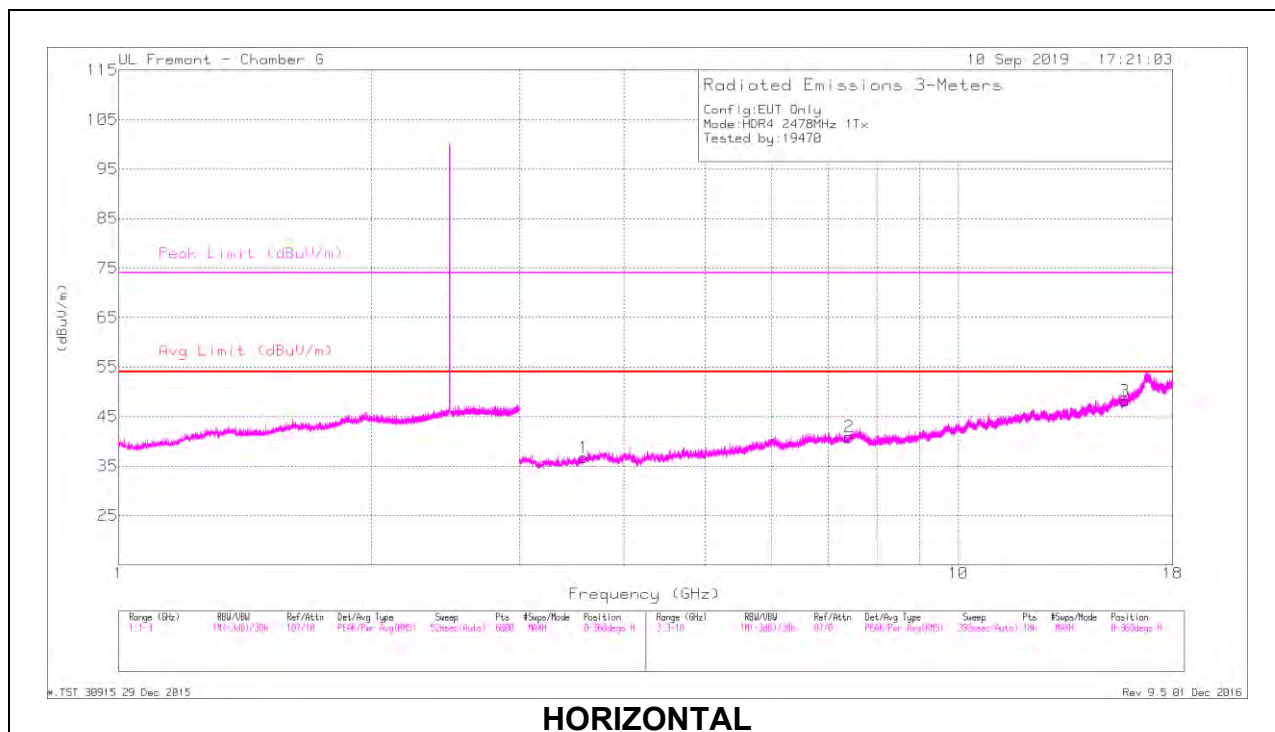
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T136 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 3.737         | 40.02                | PK2  | 33.1           | -28.9                 | 44.22                      | -                  | -           | 74                  | -29.78         | 360            | 101         | H        |
|        | * 3.736         | 29.16                | MAv1 | 33.1           | -28.9                 | 33.36                      | 54                 | -20.64      | -                   | -              | 360            | 101         | H        |
| 2      | * 4.922         | 40.48                | PK2  | 34             | -29.6                 | 44.88                      | -                  | -           | 74                  | -29.12         | 360            | 101         | H        |
|        | * 4.921         | 29.42                | MAv1 | 33.9           | -29.6                 | 33.72                      | 54                 | -20.28      | -                   | -              | 360            | 101         | H        |
| 3      | * 11.047        | 37.49                | PK2  | 37.6           | -23.3                 | 51.79                      | -                  | -           | 74                  | -22.21         | 360            | 101         | H        |
|        | * 11.048        | 25.64                | MAv1 | 37.6           | -23.3                 | 39.94                      | 54                 | -14.06      | -                   | -              | 360            | 101         | H        |
| 4      | * 4.086         | 40.84                | PK2  | 33.2           | -29.8                 | 44.24                      | -                  | -           | 74                  | -29.76         | 360            | 101         | V        |
|        | * 4.088         | 29.74                | MAv1 | 33.2           | -29.9                 | 33.04                      | 54                 | -20.96      | -                   | -              | 360            | 101         | V        |
| 5      | * 4.872         | 40.34                | PK2  | 34.1           | -29.6                 | 44.84                      | -                  | -           | 74                  | -29.16         | 360            | 101         | V        |
|        | * 4.872         | 29.44                | MAv1 | 34.1           | -29.6                 | 33.94                      | 54                 | -20.06      | -                   | -              | 360            | 101         | V        |
| 6      | * 11.858        | 36.64                | PK2  | 38.7           | -23.2                 | 52.14                      | -                  | -           | 74                  | -21.86         | 360            | 101         | V        |
|        | * 11.857        | 25.64                | MAv1 | 38.7           | -23.2                 | 41.14                      | 54                 | -12.86      | -                   | -              | 360            | 101         | 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 T136 (dB/m) | Amp/Cbl/Fitr/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      | * 3.582         | 43                   | PK2  | 33.1           | -30.6                 | 45.5                       | -                  | -           | 74                  | -28.5          | 360            | 101         | H        |
|        | * 3.58          | 30.79                | MAv1 | 33.1           | -30.6                 | 33.29                      | 54                 | -20.71      | -                   | -              | 360            | 101         | H        |
| 2      | * 7.421         | 40.11                | PK2  | 36.4           | -28                   | 48.51                      | -                  | -           | 74                  | -25.49         | 360            | 101         | H        |
|        | * 7.421         | 28.58                | MAv1 | 36.4           | -28                   | 36.98                      | 54                 | -17.02      | -                   | -              | 360            | 101         | H        |
| 3      | * 15.797        | 37.1                 | PK2  | 40.7           | -22.7                 | 55.1                       | -                  | -           | 74                  | -18.9          | 360            | 101         | H        |
|        | * 15.798        | 26.23                | MAv1 | 40.7           | -22.6                 | 44.33                      | 54                 | -9.67       | -                   | -              | 360            | 101         | H        |
| 4      | * 3.933         | 40.71                | PK2  | 33.3           | -30.3                 | 43.71                      | -                  | -           | 74                  | -30.29         | 360            | 101         | V        |
|        | * 3.935         | 29.85                | MAv1 | 33.3           | -30.3                 | 32.85                      | 54                 | -21.15      | -                   | -              | 360            | 101         | V        |
| 5      | * 8.212         | 39.72                | PK2  | 35.7           | -26.5                 | 48.92                      | -                  | -           | 74                  | -25.08         | 360            | 101         | V        |
|        | * 8.21          | 27.57                | MAv1 | 35.7           | -26.5                 | 36.77                      | 54                 | -17.23      | -                   | -              | 360            | 101         | V        |
| 6      | * 11.88         | 36.34                | PK2  | 38.7           | -22.9                 | 52.14                      | -                  | -           | 74                  | -21.86         | 360            | 101         | V        |
|        | * 11.879        | 25.18                | MAv1 | 38.7           | -22.9                 | 40.98                      | 54                 | -13.02      | -                   | -              | 360            | 101         | V        |

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

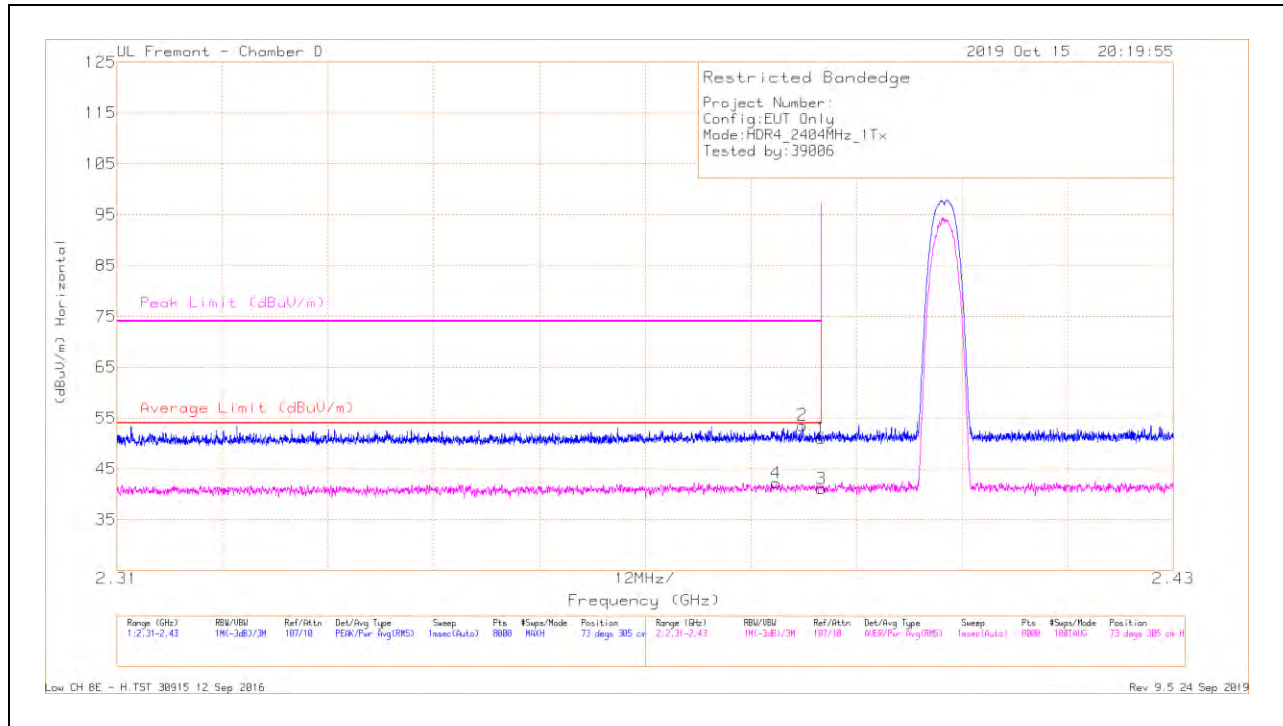
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### LAT 3

### BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT



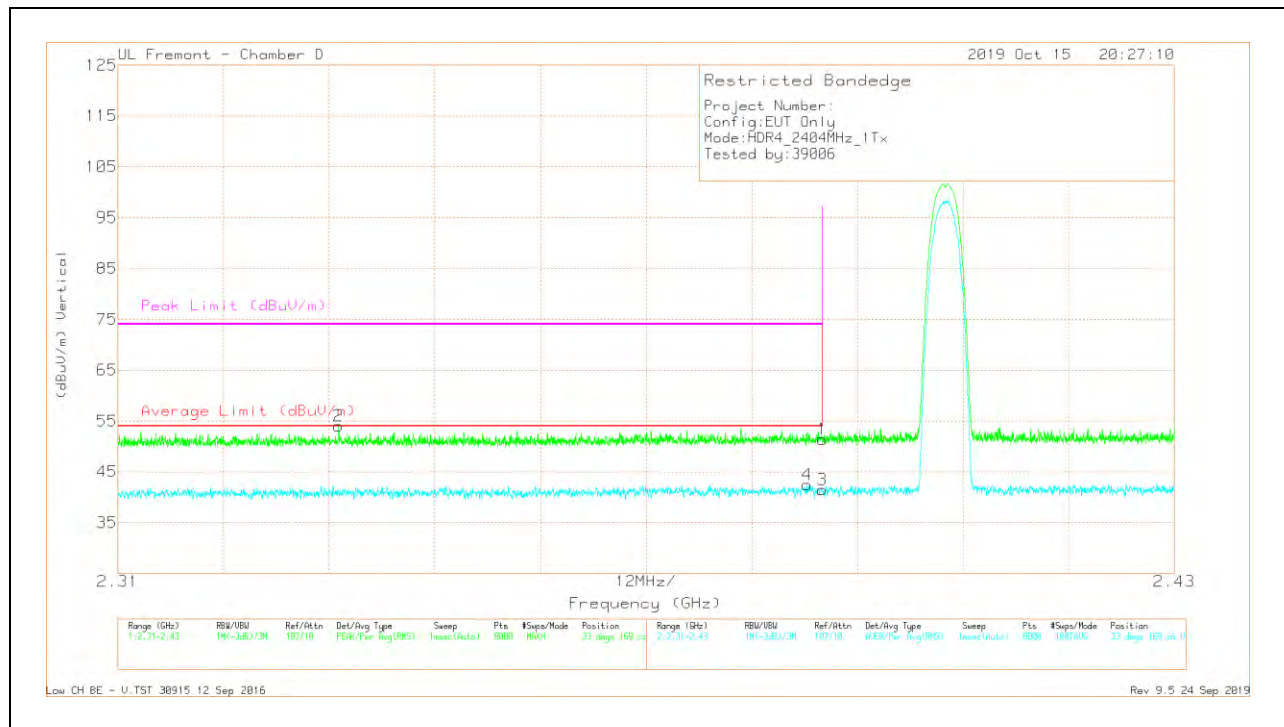
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 4      | * 2.38488       | 30.82                | RMS | 32             | -20.6                  | 42.22                      | 54                     | -11.78      | -                   | -              | 73             | 305         | H        |
| 2      | * 2.38789       | 42.18                | Pk  | 32             | -20.6                  | 53.58                      | -                      | -           | 74                  | -20.42         | 73             | 305         | H        |
| 1      | * 2.38999       | 39.51                | Pk  | 32             | -20.5                  | 51.01                      | -                      | -           | 74                  | -22.99         | 73             | 305         | H        |
| 3      | * 2.38999       | 29.63                | RMS | 32             | -20.5                  | 41.13                      | 54                     | -12.87      | -                   | -              | 73             | 305         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 2.33505       | 42.79                | Pk  | 31.8           | -20.6                  | 53.99                      | -                      | -           | 74                  | -20.01         | 33             | 169         | V        |
| 4      | * 2.38828       | 31.06                | RMS | 32             | -20.6                  | 42.46                      | 54                     | -11.54      | -                   | -              | 33             | 169         | V        |
| 1      | * 2.38999       | 39.89                | Pk  | 32             | -20.5                  | 51.39                      | -                      | -           | 74                  | -22.61         | 33             | 169         | V        |
| 3      | * 2.38999       | 29.96                | RMS | 32             | -20.5                  | 41.46                      | 54                     | -12.54      | -                   | -              | 33             | 169         | V        |

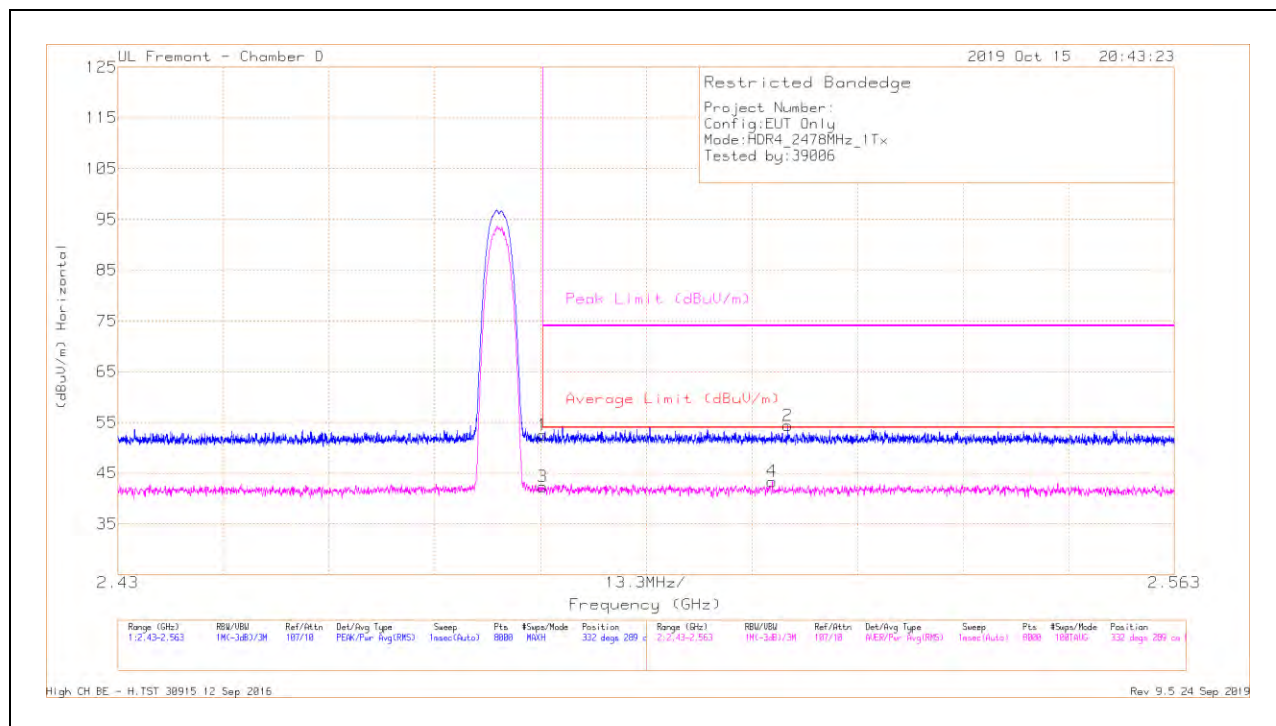
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## BANDEDGE (HIGH CHANNEL)

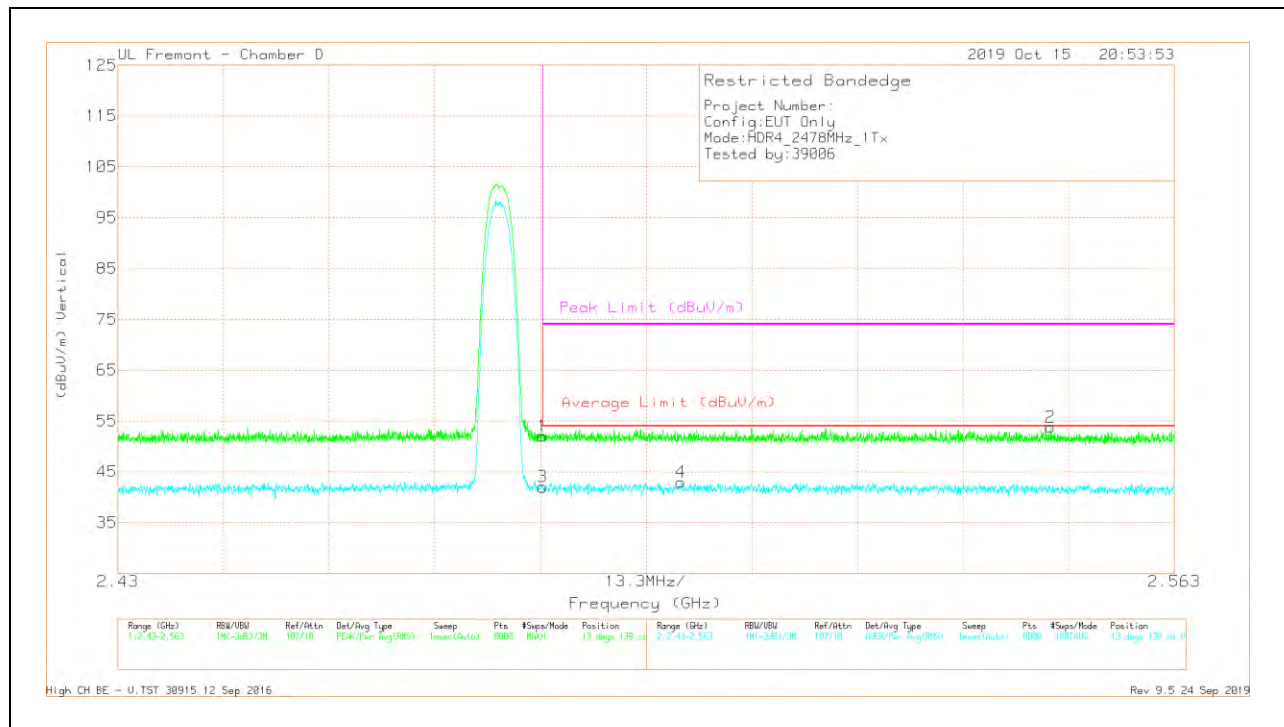
### HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 40.61                | Pk  | 32.4           | -20.5                  | 52.51                      | -                      | -           | 74                  | -21.49         | 332            | 289         | H        |
| 3      | * 2.48351       | 30.43                | RMS | 32.4           | -20.5                  | 42.33                      | 54                     | -11.67      | -                   | -              | 332            | 289         | H        |
| 4      | 2.51239         | 31.5                 | RMS | 32.3           | -20.4                  | 43.4                       | 54                     | -10.6       | -                   | -              | 332            | 289         | H        |
| 2      | 2.51433         | 42.49                | Pk  | 32.3           | -20.4                  | 54.39                      | -                      | -           | 74                  | -19.61         | 332            | 289         | H        |

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

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 40.18                | Pk  | 32.4           | -20.5                  | 52.08                      | -                      | -           | 74                  | -21.92         | 13             | 139         | V        |
| 3      | * 2.48351       | 30.14                | RMS | 32.4           | -20.5                  | 42.04                      | 54                     | -11.96      | -                   | -              | 13             | 139         | V        |
| 4      | 2.5009          | 31.13                | RMS | 32.3           | -20.5                  | 42.93                      | 54                     | -11.07      | -                   | -              | 13             | 139         | V        |
| 2      | 2.54742         | 42.02                | Pk  | 32.1           | -20.3                  | 53.82                      | -                      | -           | 74                  | -20.18         | 13             | 139         | V        |

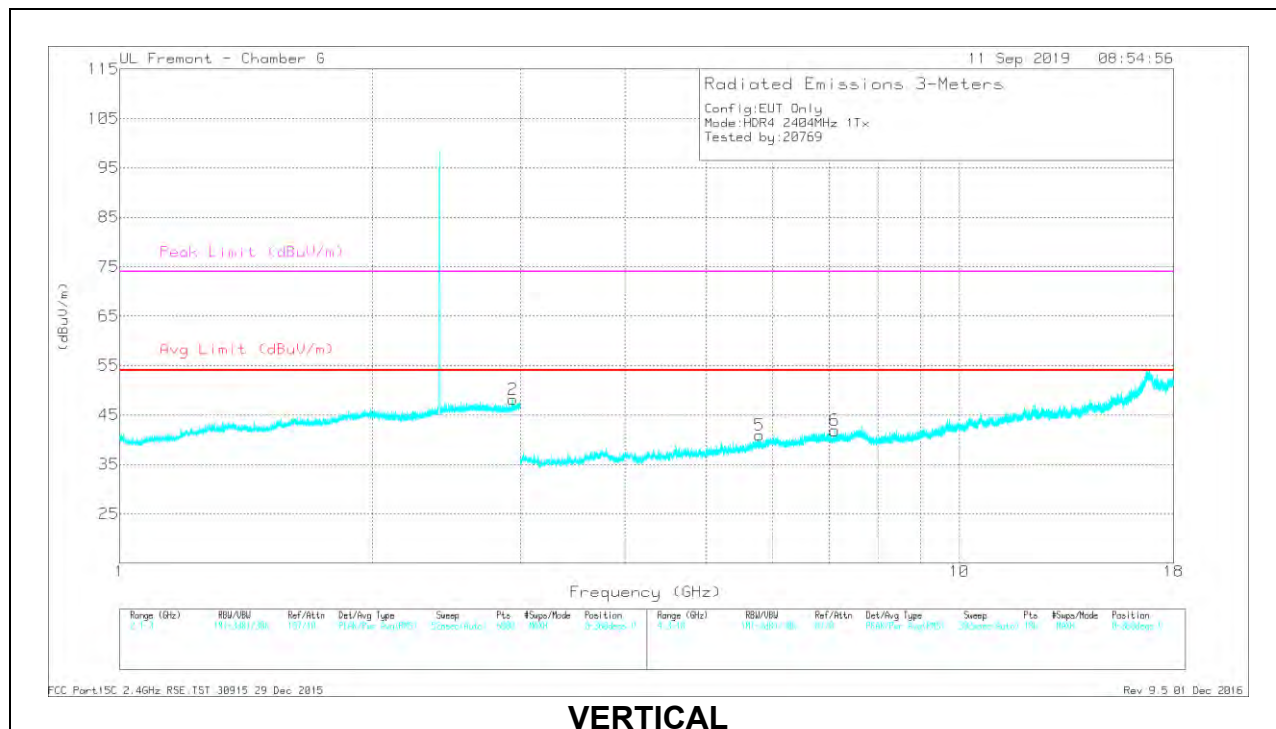
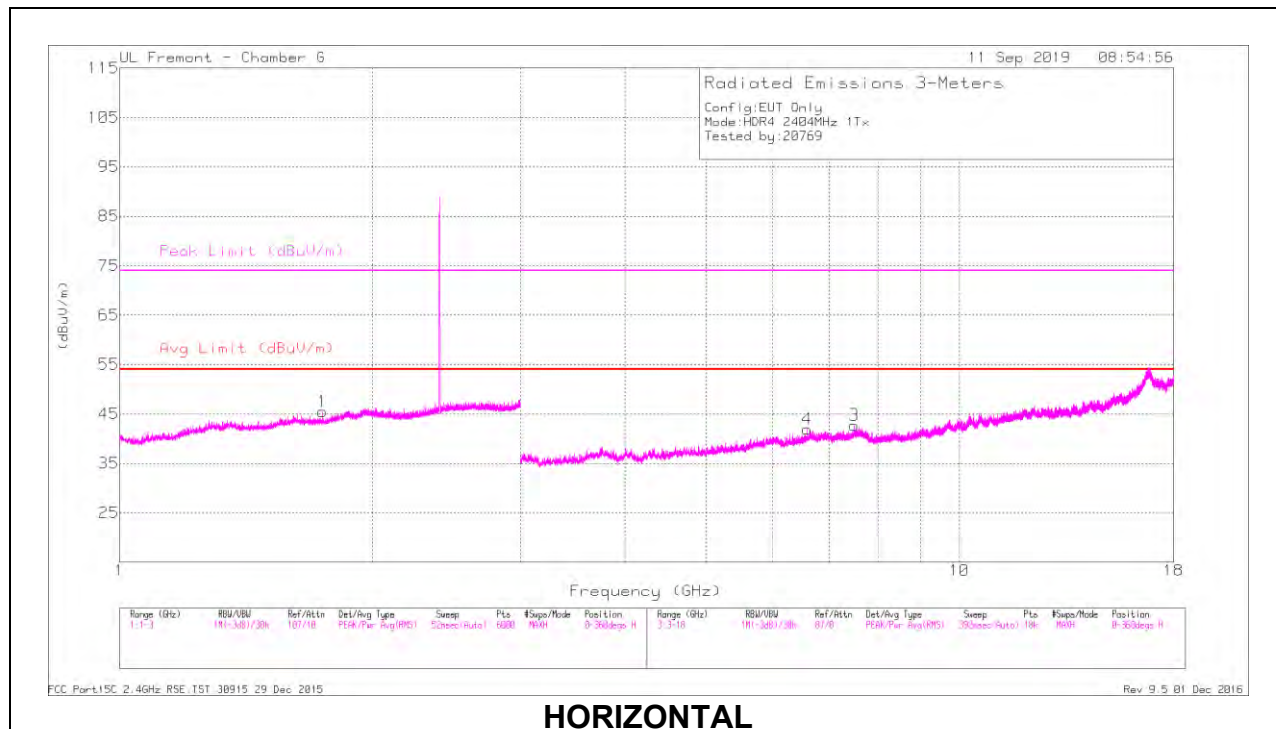
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



## RADIATED EMISSIONS

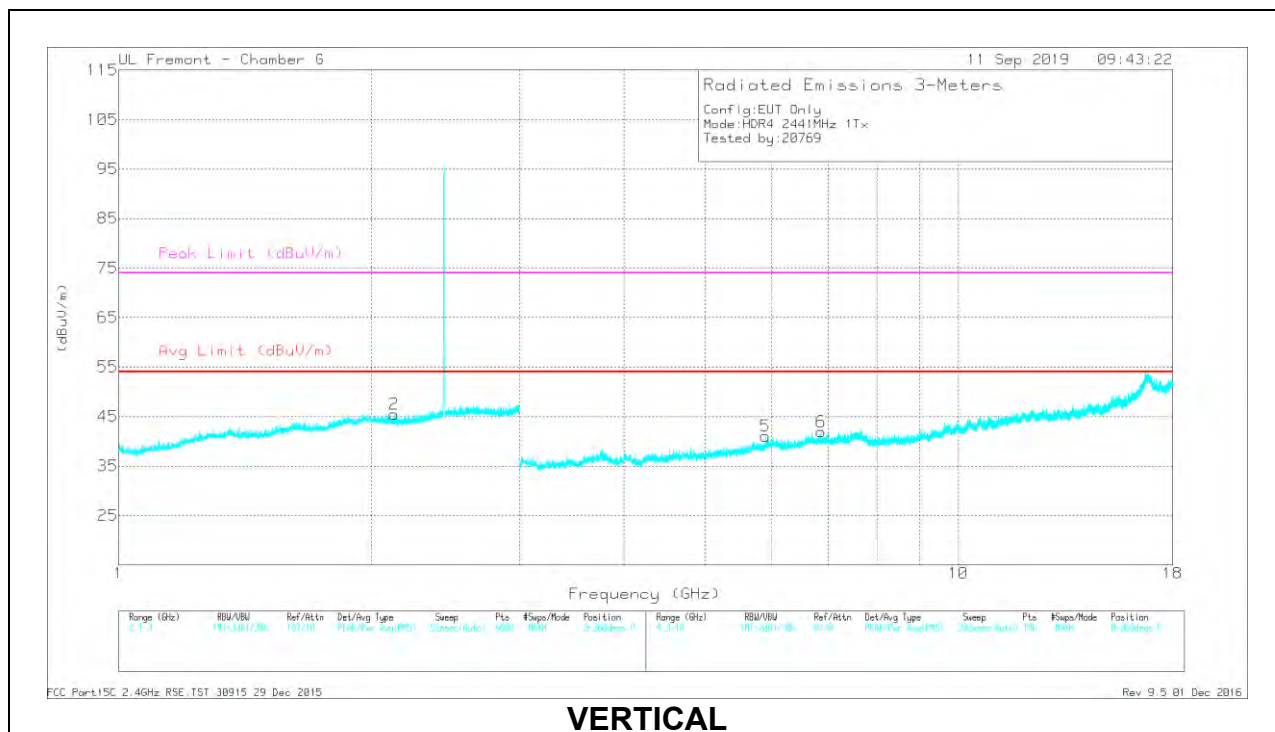
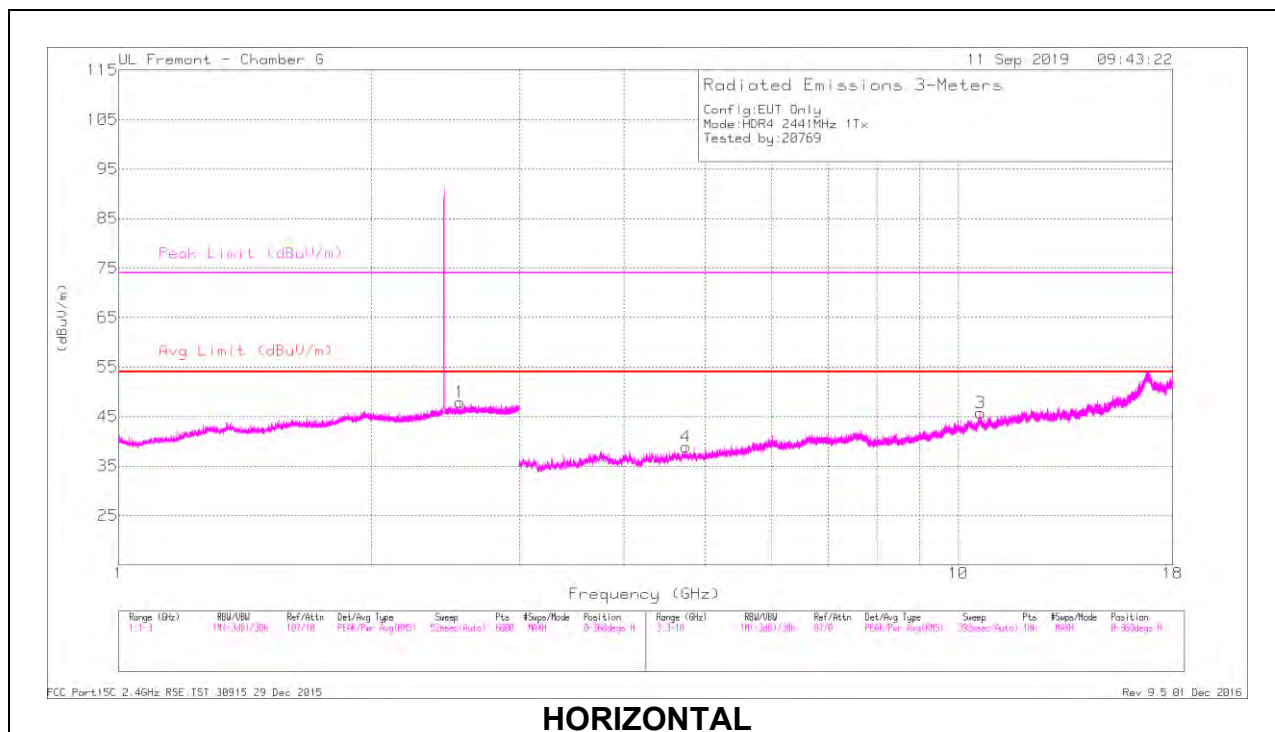
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T136 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 3      | * 7.494         | 38.95                | PK2  | 36.6           | -27.2                 | 48.35                      | -                  | -           | 74                  | -25.65         | 248            | 271         | H        |
|        | * 7.495         | 27.61                | MAv1 | 36.6           | -27.2                 | 37.01                      | 54                 | -16.99      | -                   | -              | 248            | 271         | H        |
| 1      | 1.746           | 43.88                | PK2  | 29.7           | -22.1                 | 51.48                      | -                  | -           | -                   | -              | 42             | 165         | H        |
| 2      | 2.939           | 43.51                | PK2  | 32.3           | -21.7                 | 54.11                      | -                  | -           | -                   | -              | 256            | 268         | V        |
| 5      | 5.788           | 40.69                | PK2  | 35.4           | -29.4                 | 46.69                      | -                  | -           | -                   | -              | 224            | 132         | V        |
| 4      | 6.59            | 39.7                 | PK2  | 36.2           | -27.9                 | 48                         | -                  | -           | -                   | -              | 305            | 261         | H        |
| 6      | 7.102           | 40.09                | PK2  | 36.4           | -28.6                 | 47.89                      | -                  | -           | -                   | -              | 214            | 173         | 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

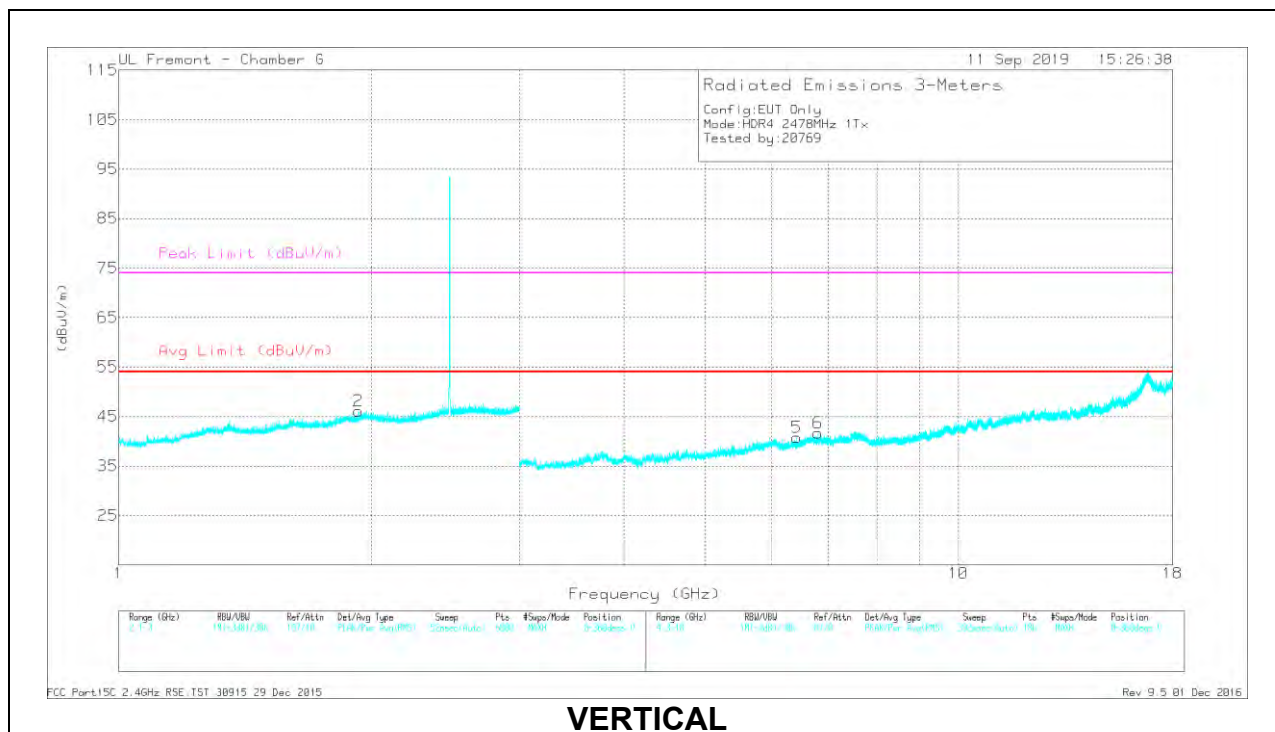
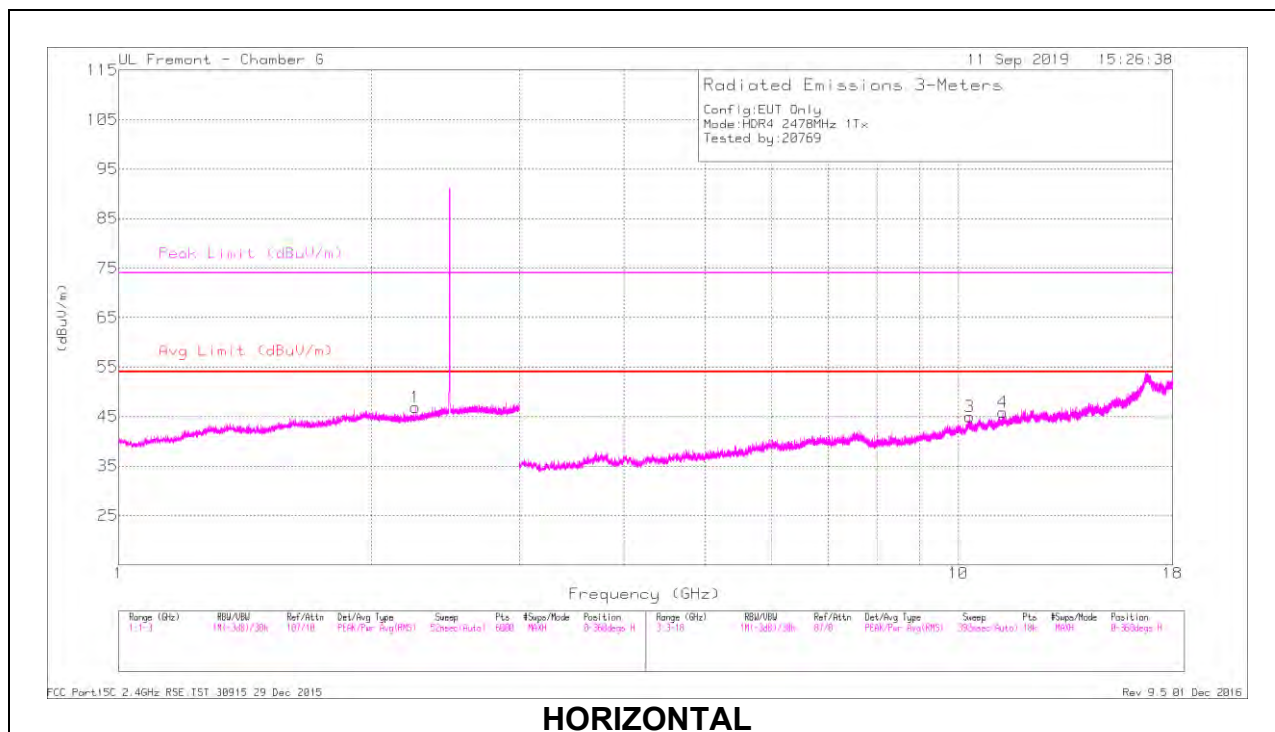


## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T136 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 3      | * 10.634        | 37.06                | PK2  | 37.6           | -23.2                 | 51.46                      | -                  | -           | 74                  | -22.54         | 279            | 252         | H        |
|        | * 10.631        | 25.44                | MAv1 | 37.7           | -23.1                 | 40.04                      | 54                 | -13.96      | -                   | -              | 279            | 252         | H        |
| 4      | * 4.74          | 41.03                | PK2  | 34             | -29.5                 | 45.53                      | -                  | -           | 74                  | -28.47         | 15             | 233         | H        |
|        | * 4.744         | 29.23                | MAv1 | 34             | -29.6                 | 33.63                      | 54                 | -20.37      | -                   | -              | 15             | 233         | H        |
| 2      | 2.13            | 43.56                | PK2  | 31.1           | -22.4                 | 52.26                      | -                  | -           | -                   | -              | 170            | 379         | V        |
| 1      | 2.548           | 44.25                | PK2  | 32.4           | -22.2                 | 54.45                      | -                  | -           | -                   | -              | 354            | 282         | H        |
| 5      | 5.894           | 40.33                | PK2  | 35.6           | -29.3                 | 46.63                      | -                  | -           | -                   | -              | 258            | 131         | V        |
| 6      | 6.86            | 39.96                | PK2  | 36.4           | -28                   | 48.36                      | -                  | -           | -                   | -              | 234            | 390         | 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 T136 (dB/m) | Amp/Cbl/Fitr/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      | * 2.259         | 43.55                | PK2  | 31.4           | -22.4                 | 52.55                      | -                  | -           | 74                  | -21.45         | 257            | 360         | H        |
|        | * 2.255         | 28.66                | MAv1 | 31.3           | -22.4                 | 37.56                      | 54                 | -16.44      | -                   | -              | 257            | 360         | H        |
| 4      | * 11.303        | 36.9                 | PK2  | 37.9           | -22.7                 | 52.1                       | -                  | -           | 74                  | -21.9          | 296            | 238         | H        |
|        | * 11.304        | 24.81                | MAv1 | 37.9           | -22.7                 | 40.01                      | 54                 | -13.99      | -                   | -              | 296            | 238         | H        |
| 2      | 1.93            | 43.87                | PK2  | 31.5           | -22.7                 | 52.67                      | -                  | -           | -                   | -              | 115            | 333         | V        |
| 5      | 6.428           | 41.45                | PK2  | 35.8           | -29.1                 | 48.15                      | -                  | -           | -                   | -              | 246            | 255         | V        |
| 6      | 6.807           | 40.68                | PK2  | 36.4           | -28.7                 | 48.38                      | -                  | -           | -                   | -              | 45             | 190         | V        |
| 3      | 10.326          | 36.88                | PK2  | 37.6           | -23.6                 | 50.88                      | -                  | -           | -                   | -              | 7              | 137         | H        |

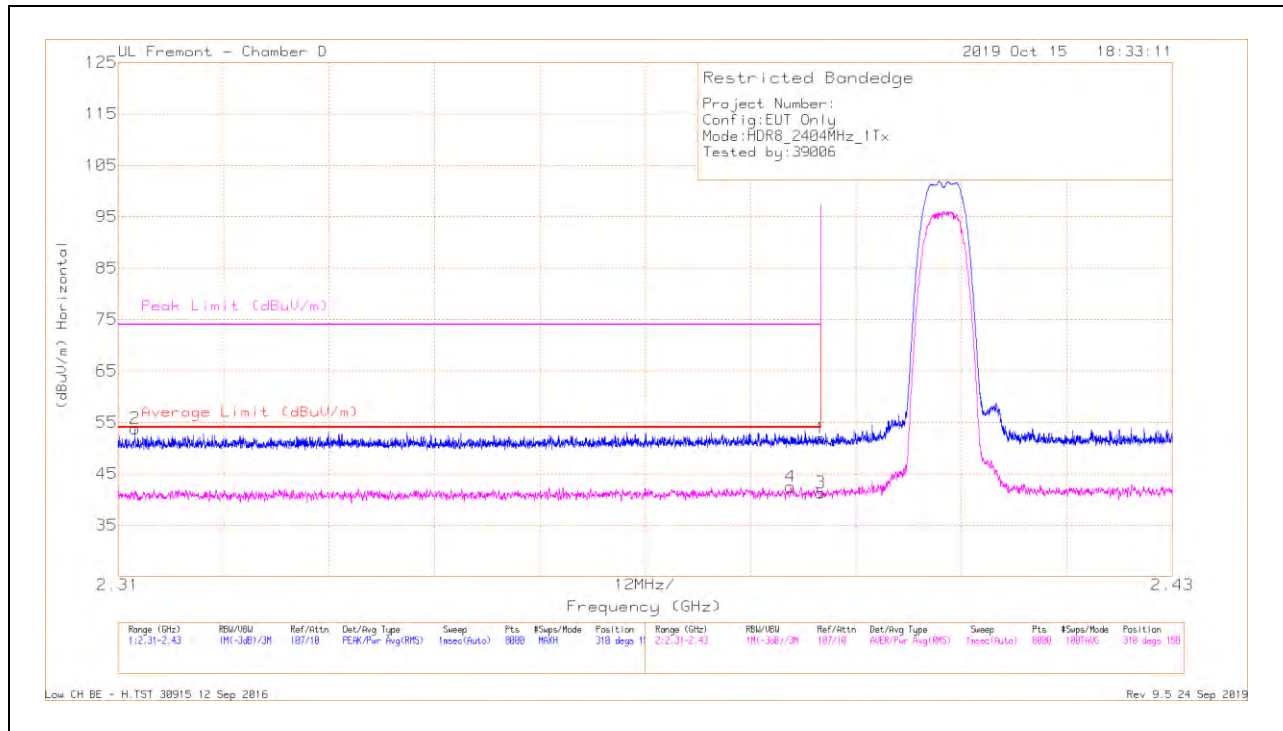
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
PK2 - KDB558074 Method: Maximum Peak  
MAv1 - KDB558074 Option 1 Maximum RMS Average

## 9.2.4. LOW POWER HDR (HDR8)

### UAT 1

### BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT



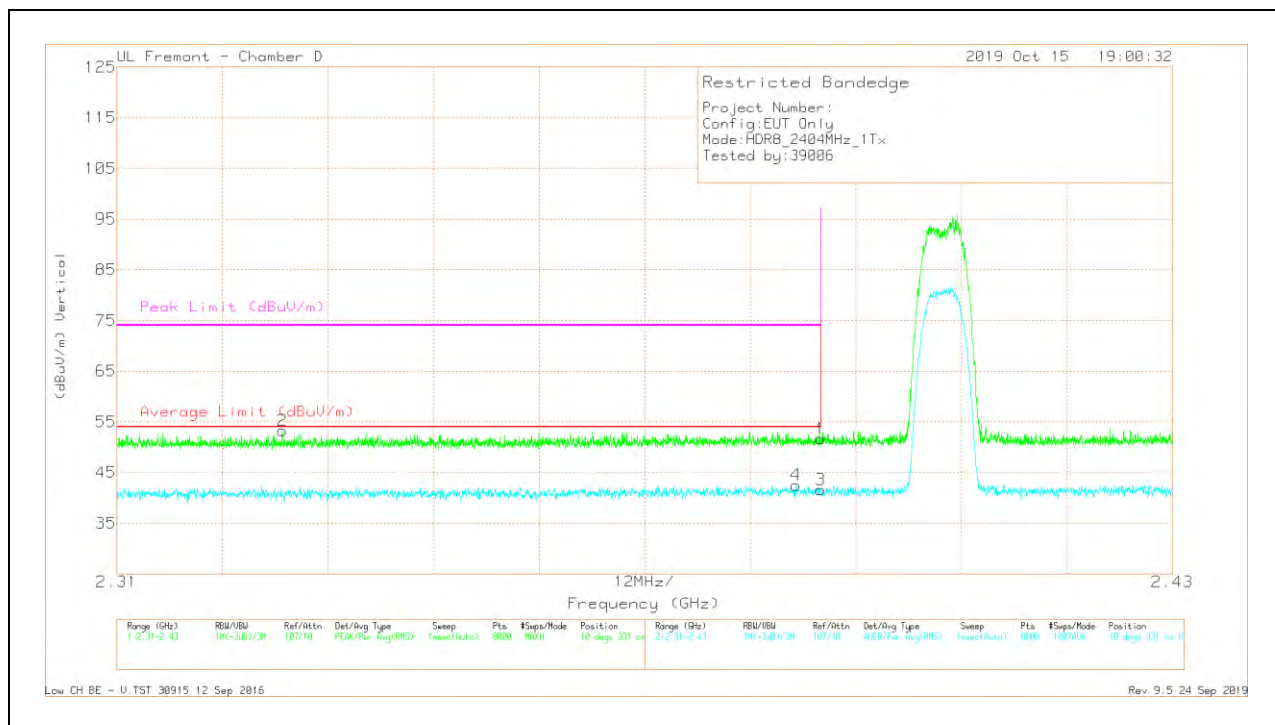
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.38999       | 40.42                | Pk  | 32             | -20.5                  | 51.92                      | -                      | -           | 74                  | -22.08         | 310            | 150         | H        |
| 2      | * 2.31194       | 42.68                | Pk  | 31.7           | -20.6                  | 53.78                      | -                      | -           | 74                  | -20.22         | 310            | 150         | H        |
| 3      | * 2.38999       | 29.83                | RMS | 32             | -20.5                  | 41.33                      | 54                     | -12.67      | -                   | -              | 310            | 150         | H        |
| 4      | * 2.38656       | 31.06                | RMS | 32             | -20.6                  | 42.46                      | 54                     | -11.54      | -                   | -              | 310            | 150         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/Cbl/Filt/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 2.32883       | 42.22                | Pk  | 31.7           | -20.6                 | 53.32                      | -                      | -           | 74                  | -20.68         | 10             | 331         | V        |
| 4      | * 2.38726       | 31.13                | RMS | 32             | -20.6                 | 42.53                      | 54                     | -11.47      | -                   | -              | 10             | 331         | V        |
| 1      | * 2.38999       | 40.14                | Pk  | 32             | -20.5                 | 51.64                      | -                      | -           | 74                  | -22.36         | 10             | 331         | V        |
| 3      | * 2.38999       | 30.09                | RMS | 32             | -20.5                 | 41.59                      | 54                     | -12.41      | -                   | -              | 10             | 331         | V        |

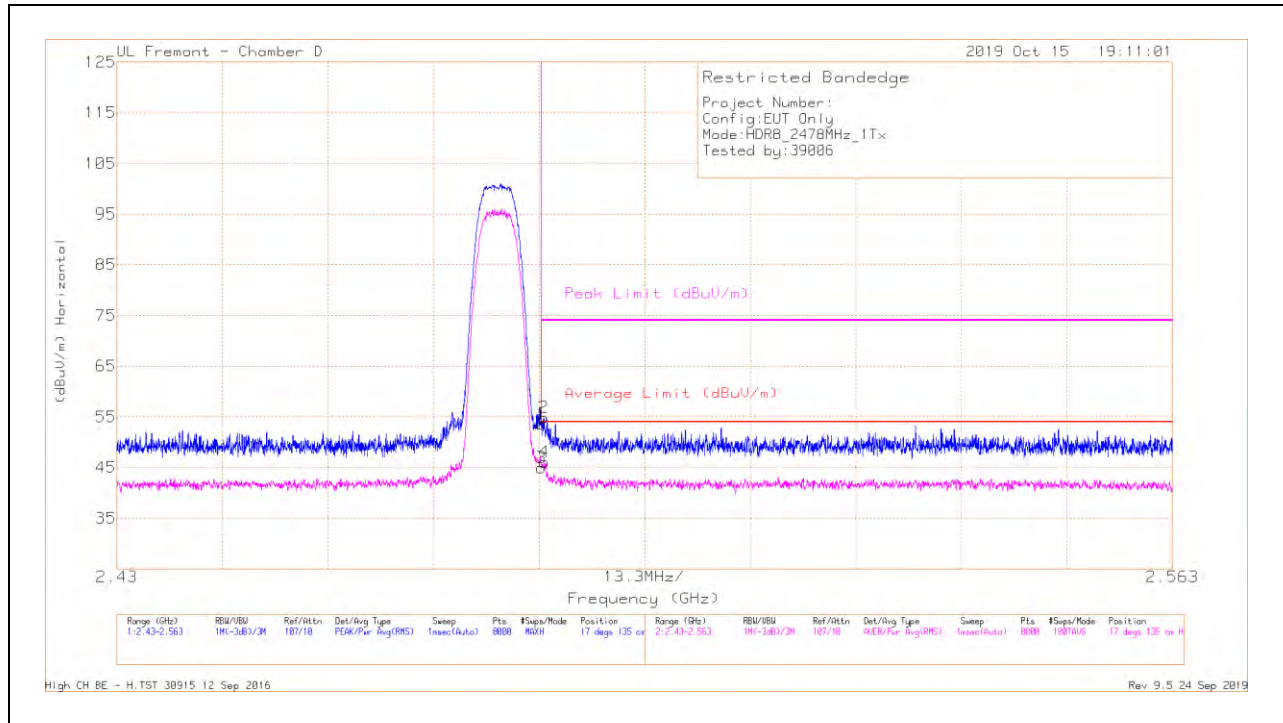
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## BANDEDGE (HIGH CHANNEL)

### HORIZONTAL RESULT



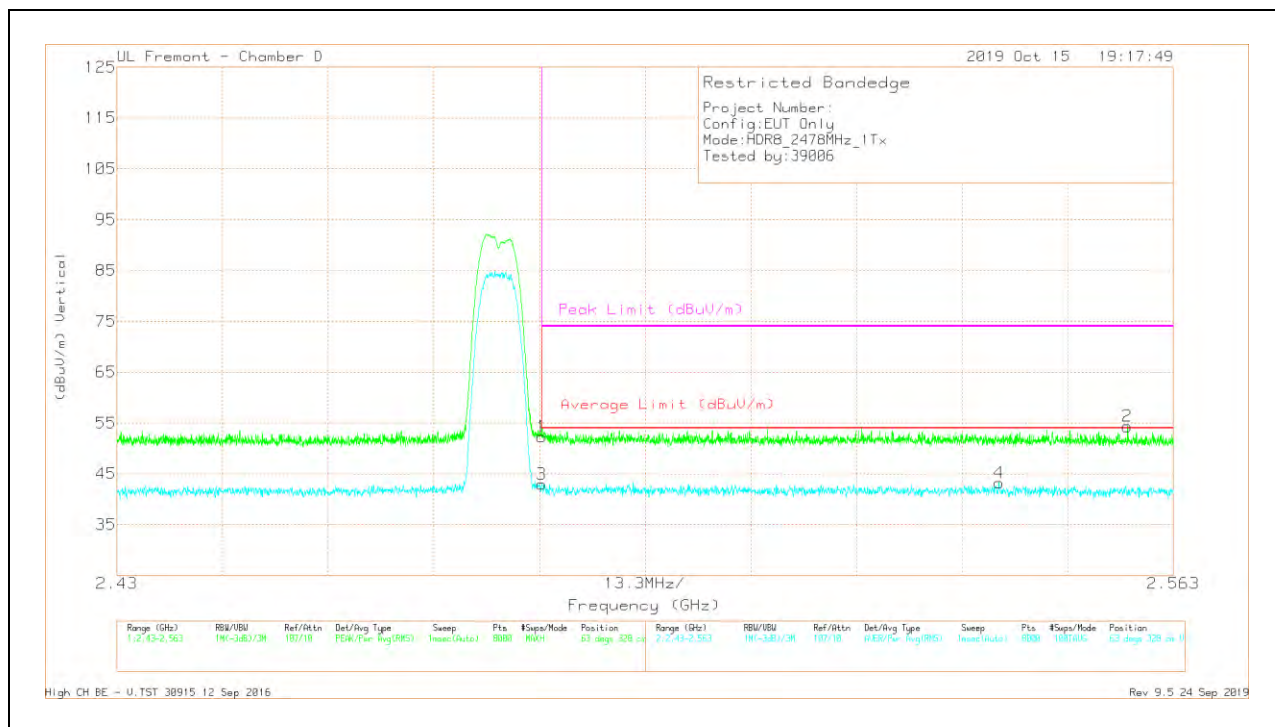
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 41.68                | Pk  | 32.4           | -20.5                 | 53.58                      | -                      | -           | 74                  | -20.42         | 17             | 135         | H        |
| 3      | * 2.48351       | 33.03                | RMS | 32.4           | -20.5                 | 44.93                      | 54                     | -9.07       | -                   | -              | 17             | 135         | H        |
| 2      | * 2.48377       | 42.97                | Pk  | 32.4           | -20.5                 | 54.87                      | -                      | -           | 74                  | -19.13         | 17             | 135         | H        |
| 4      | * 2.4839        | 34.26                | RMS | 32.3           | -20.5                 | 46.06                      | 54                     | -7.94       | -                   | -              | 17             | 135         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T712 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 40.43                | Pk  | 32.4           | -20.5                  | 52.33                      | -                      | -           | 74                  | -21.67         | 63             | 328         | V        |
| 3      | * 2.48351       | 31.01                | RMS | 32.4           | -20.5                  | 42.91                      | 54                     | -11.09      | -                   | -              | 63             | 328         | V        |
| 4      | 2.54104         | 31.36                | RMS | 32.2           | -20.3                  | 43.26                      | 54                     | -10.74      | -                   | -              | 63             | 328         | V        |
| 2      | 2.55725         | 42.73                | Pk  | 32             | -20.4                  | 54.33                      | -                      | -           | 74                  | -19.67         | 63             | 328         | V        |

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

Pk - Peak detector

RMS - RMS detection