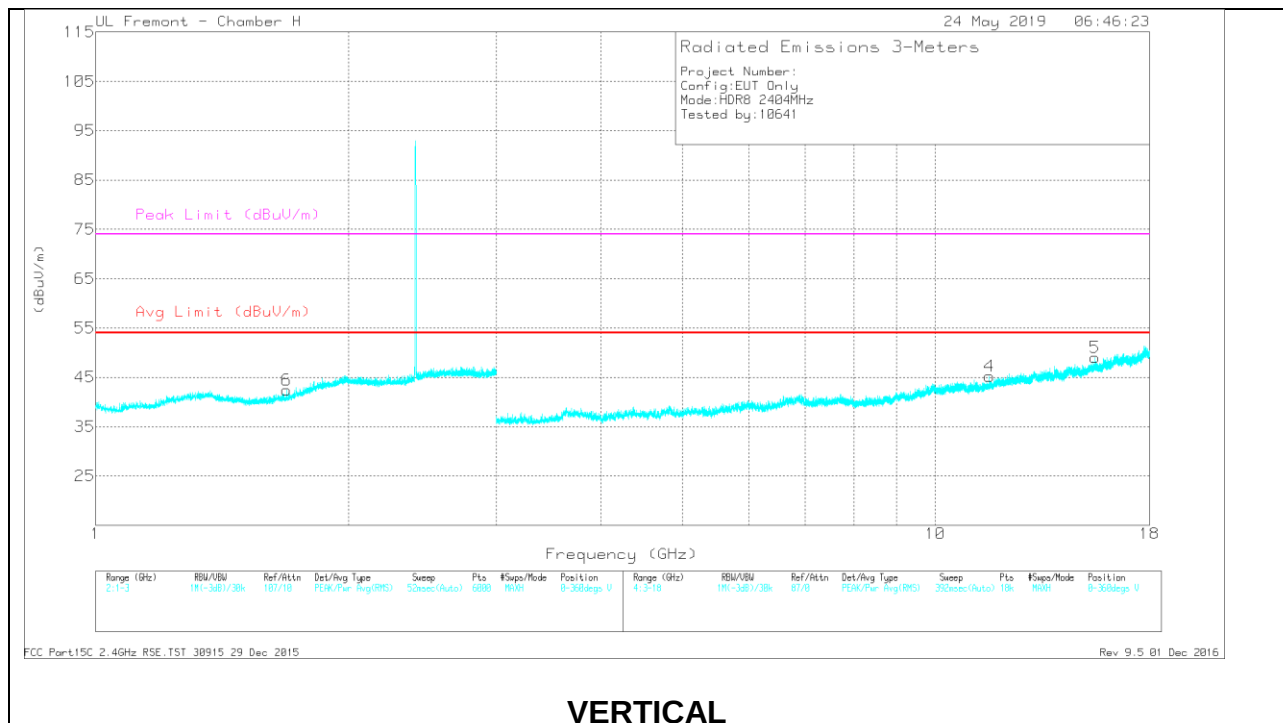
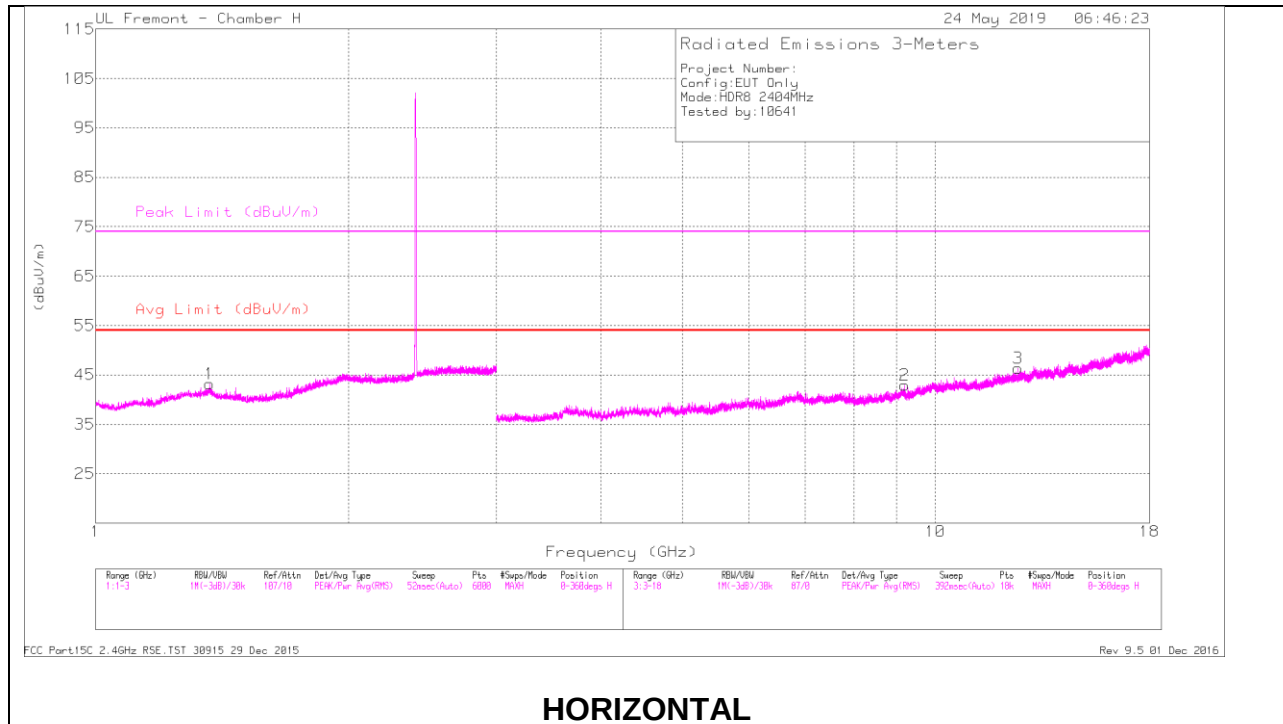


**HARMONICS AND SPURIOUS EMISSIONS****LOW CHANNEL RESULTS**

## RADIATED EMISSIONS

| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T136<br>(dB/m) | Amp/Cbl/Filtr/<br>Pad (dB) | Correcte<br>d<br>Reading<br>(dBuV/m) | Avg Limit<br>(dBuV/m) | Margin<br>(dB) | Peak Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|------|-------------------|----------------------------|--------------------------------------|-----------------------|----------------|------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 1.368                | 45.34                      | PK2  | 29.7              | -25.2                      | 49.84                                | -                     | -              | 74                     | -24.16               | 332               | 124            | H        |
|        | * 1.368                | 33.55                      | MAv1 | 29.7              | -25.2                      | 38.05                                | 54                    | -15.95         | -                      | -                    | 332               | 124            | H        |
| 6      | * 1.689                | 44.47                      | PK2  | 28.5              | -24.5                      | 48.47                                | -                     | -              | 74                     | -25.53               | 292               | 116            | V        |
|        | * 1.688                | 33.14                      | MAv1 | 28.5              | -24.5                      | 37.14                                | 54                    | -16.86         | -                      | -                    | 292               | 116            | V        |
| 2      | * 9.197                | 36.67                      | PK2  | 36.3              | -24.5                      | 48.47                                | -                     | -              | 74                     | -25.53               | 234               | 151            | H        |
|        | * 9.199                | 25.78                      | MAv1 | 36.3              | -24.5                      | 37.58                                | 54                    | -16.42         | -                      | -                    | 234               | 151            | H        |
| 3      | * 12.559               | 36.49                      | PK2  | 39.3              | -22.9                      | 52.89                                | -                     | -              | 74                     | -21.11               | 186               | 164            | H        |
|        | * 12.559               | 24.87                      | MAv1 | 39.2              | -22.9                      | 41.17                                | 54                    | -12.83         | -                      | -                    | 186               | 164            | H        |
| 4      | * 11.607               | 35.83                      | PK2  | 38.4              | -23                        | 51.23                                | -                     | -              | 74                     | -22.77               | 214               | 148            | V        |
|        | * 11.604               | 24.67                      | MAv1 | 38.4              | -23                        | 40.07                                | 54                    | -13.93         | -                      | -                    | 214               | 148            | V        |
| 5      | * 15.498               | 36.63                      | PK2  | 40.9              | -21.7                      | 55.83                                | -                     | -              | 74                     | -18.17               | 195               | 164            | V        |
|        | * 15.501               | 24.91                      | MAv1 | 40.9              | -21.7                      | 44.11                                | 54                    | -9.89          | -                      | -                    | 195               | 164            | V        |

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

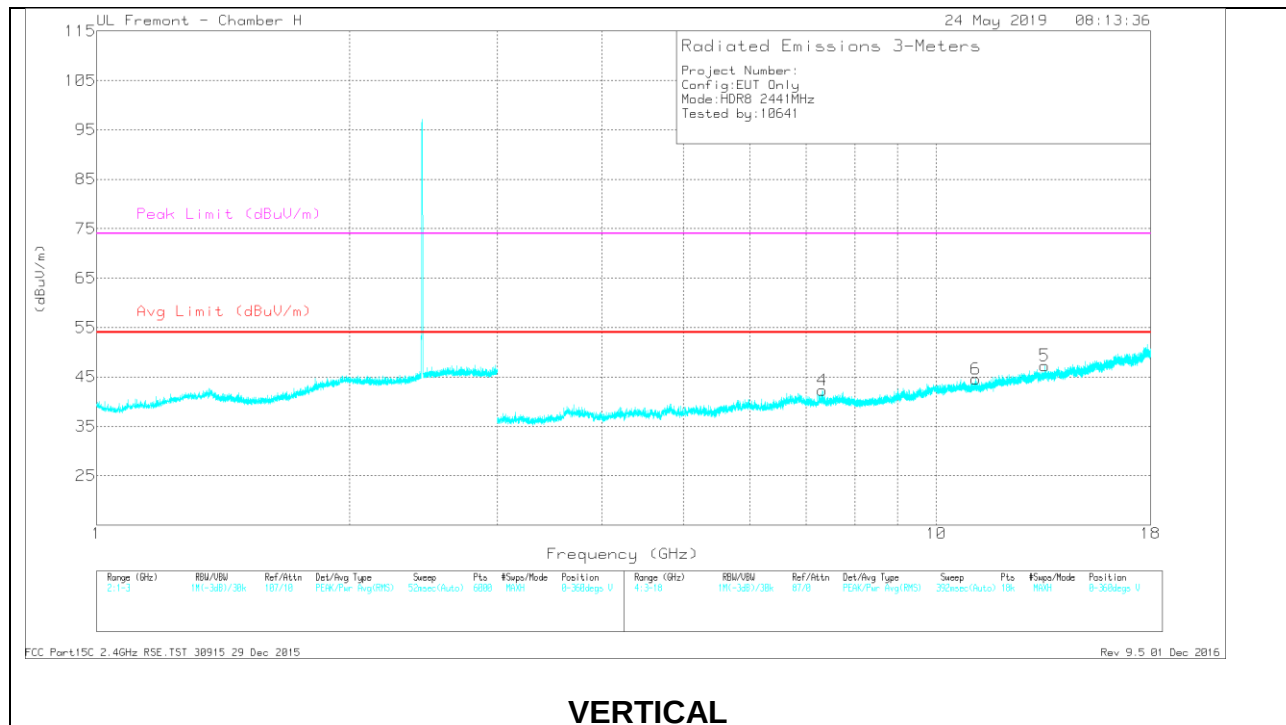
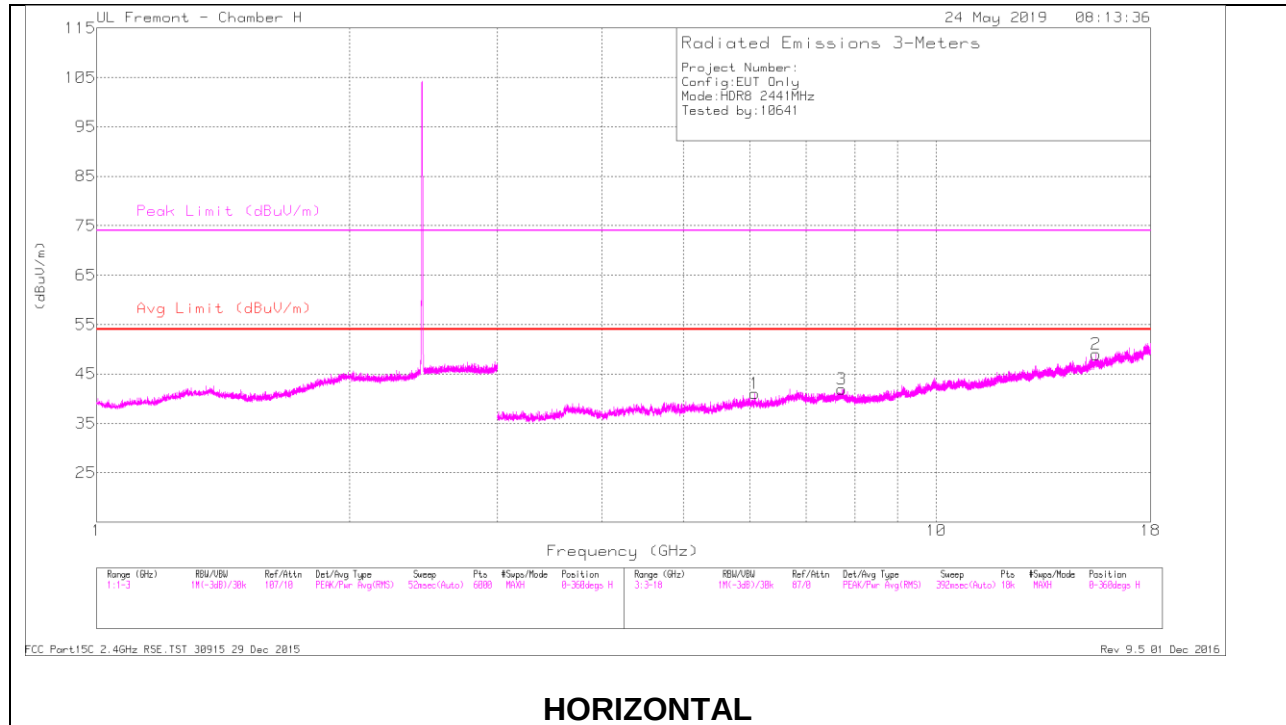
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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## MID CHANNEL RESULTS



## RADIATED EMISSIONS

| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T136<br>(dB/m) | Amp/Cbl/Filtr/<br>Pad (dB) | Correcte<br>d<br>Reading<br>(dBuV/m) | Avg Limit<br>(dBuV/m) | Margin<br>(dB) | Peak Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|------|-------------------|----------------------------|--------------------------------------|-----------------------|----------------|------------------------|----------------------|-------------------|----------------|----------|
| 2      | * 15.501               | 35.69                      | PK2  | 40.9              | -21.7                      | 54.89                                | -                     | -              | 74                     | -19.11               | 193               | 184            | H        |
|        | * 15.503               | 24.9                       | MAv1 | 40.9              | -21.7                      | 44.1                                 | 54                    | -9.9           | -                      | -                    | 193               | 184            | H        |
| 3      | * 7.717                | 38.19                      | PK2  | 36.6              | -26.4                      | 48.39                                | -                     | -              | 74                     | -25.61               | 155               | 209            | H        |
|        | * 7.714                | 27.08                      | MAv1 | 36.6              | -26.5                      | 37.18                                | 54                    | -16.82         | -                      | -                    | 155               | 209            | H        |
| 4      | * 7.328                | 38.26                      | PK2  | 36.4              | -26.6                      | 48.06                                | -                     | -              | 74                     | -25.94               | 229               | 145            | V        |
|        | * 7.322                | 26.76                      | MAv1 | 36.4              | -26.5                      | 36.66                                | 54                    | -17.34         | -                      | -                    | 229               | 145            | V        |
| 6      | * 11.147               | 36.04                      | PK2  | 37.9              | -22.7                      | 51.24                                | -                     | -              | 74                     | -22.76               | 189               | 174            | V        |
|        | * 11.149               | 24.52                      | MAv1 | 37.9              | -22.7                      | 39.72                                | 54                    | -14.28         | -                      | -                    | 189               | 174            | V        |
| 1      | 6.082                  | 39.48                      | PK2  | 35.6              | -28.1                      | 46.98                                | -                     | -              | 74                     | -27.02               | 145               | 194            | H        |
| 5      | 13.465                 | 35.89                      | PK2  | 39.4              | -21.7                      | 53.59                                | -                     | -              | 74                     | -20.41               | 203               | 176            | V        |

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

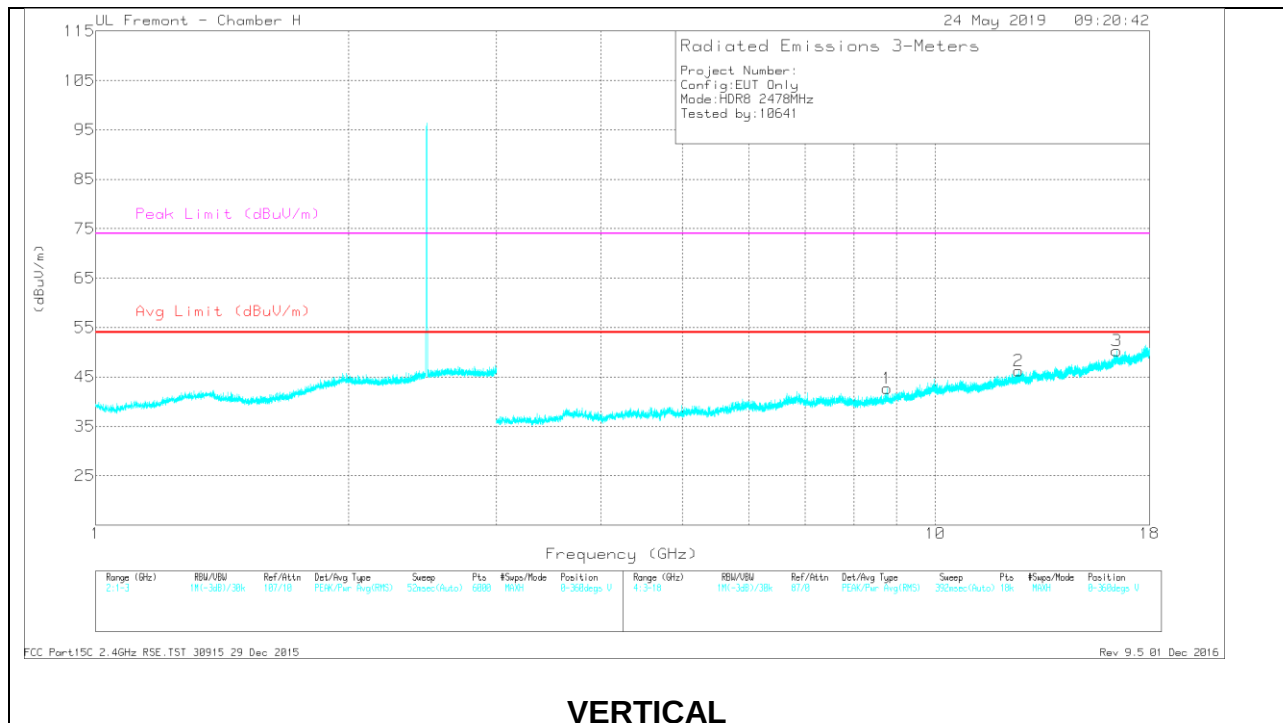
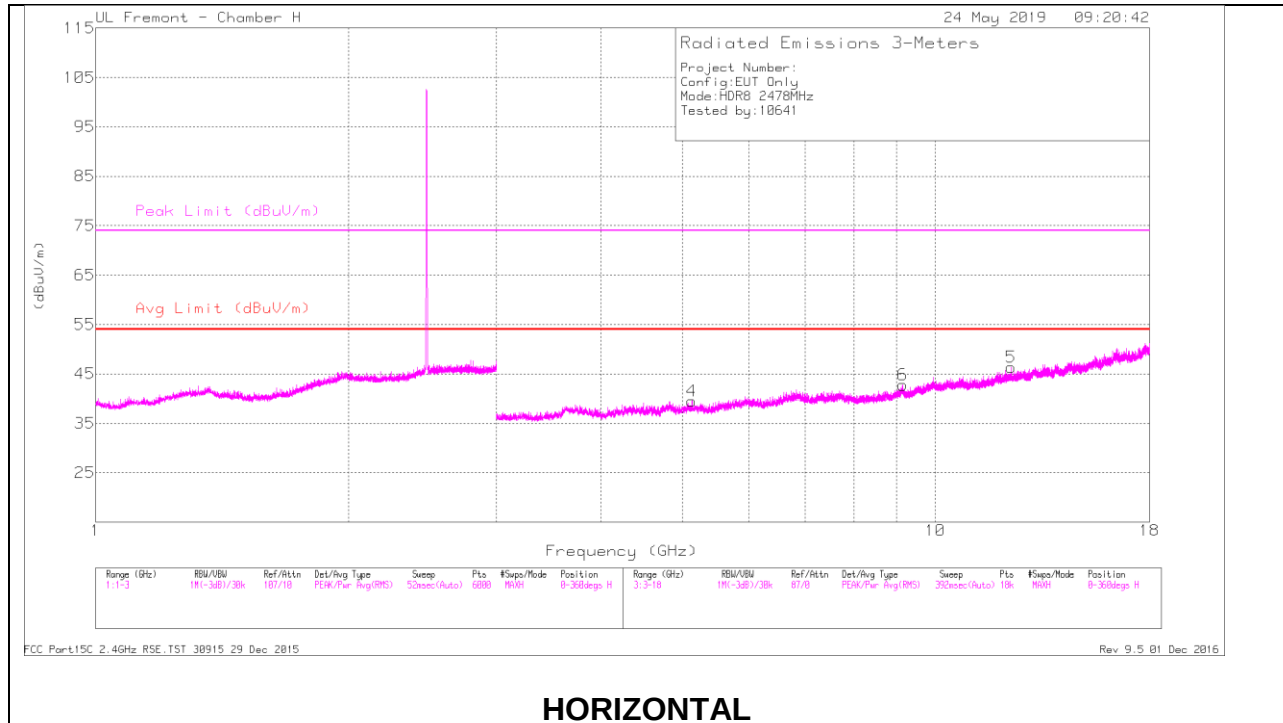
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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## HIGH CHANNEL RESULTS



## RADIATED EMISSIONS

| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T136<br>(dB/m) | Amp/Cbl/Filtr/<br>Pad (dB) | Correcte<br>d<br>Reading<br>(dBuV/m) | Avg Limit<br>(dBuV/m) | Margin<br>(dB) | Peak Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|------|-------------------|----------------------------|--------------------------------------|-----------------------|----------------|------------------------|----------------------|-------------------|----------------|----------|
| 4      | * 5.126                | 41.47                      | PK2  | 34.3              | -29.6                      | 46.17                                | -                     | -              | 74                     | -27.83               | 277               | 113            | H        |
|        | * 5.127                | 30.12                      | MAv1 | 34.3              | -29.6                      | 34.82                                | 54                    | -19.18         | -                      | -                    | 277               | 113            | H        |
| 5      | * 12.317               | 35.9                       | PK2  | 39                | -22.7                      | 52.2                                 | -                     | -              | 74                     | -21.8                | 233               | 146            | H        |
|        | * 12.318               | 24.79                      | MAv1 | 39                | -22.8                      | 40.99                                | 54                    | -13.01         | -                      | -                    | 233               | 146            | H        |
| 6      | * 9.152                | 36.48                      | PK2  | 36.3              | -23.9                      | 48.88                                | -                     | -              | 74                     | -25.12               | 212               | 203            | H        |
|        | * 9.152                | 25.43                      | MAv1 | 36.3              | -23.9                      | 37.83                                | 54                    | -16.17         | -                      | -                    | 212               | 203            | H        |
| 2      | * 12.579               | 36.27                      | PK2  | 39.2              | -22.8                      | 52.67                                | -                     | -              | 74                     | -21.33               | 191               | 156            | V        |
|        | * 12.58                | 24.78                      | MAv1 | 39.2              | -22.8                      | 41.18                                | 54                    | -12.82         | -                      | -                    | 191               | 156            | V        |
| 1      | 8.765                  | 37.3                       | PK2  | 36                | -25                        | 48.3                                 | -                     | -              | 74                     | -25.70               | 266               | 173            | V        |
| 3      | 16.446                 | 35.38                      | PK2  | 41.5              | -21.1                      | 55.78                                | -                     | -              | 74                     | -18.22               | 247               | 185            | V        |

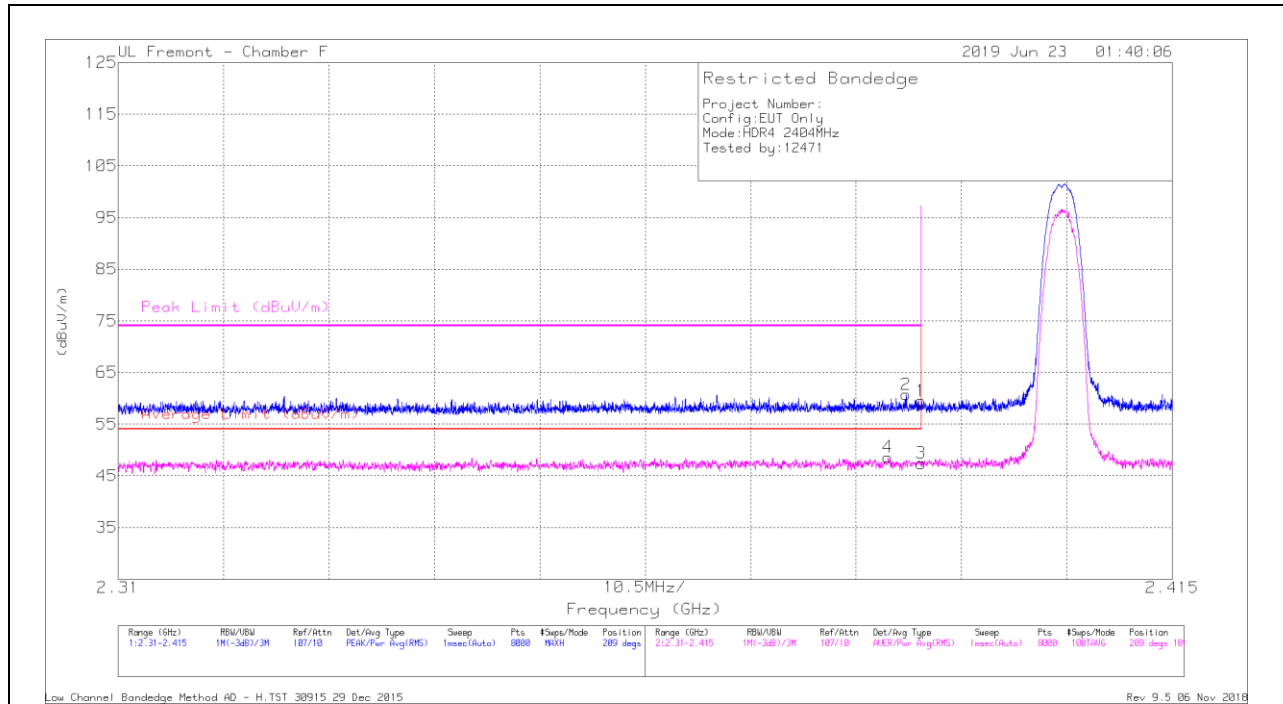
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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**9.2.7. BEAMFORMING LOW POWER HDR (HDR4)****BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

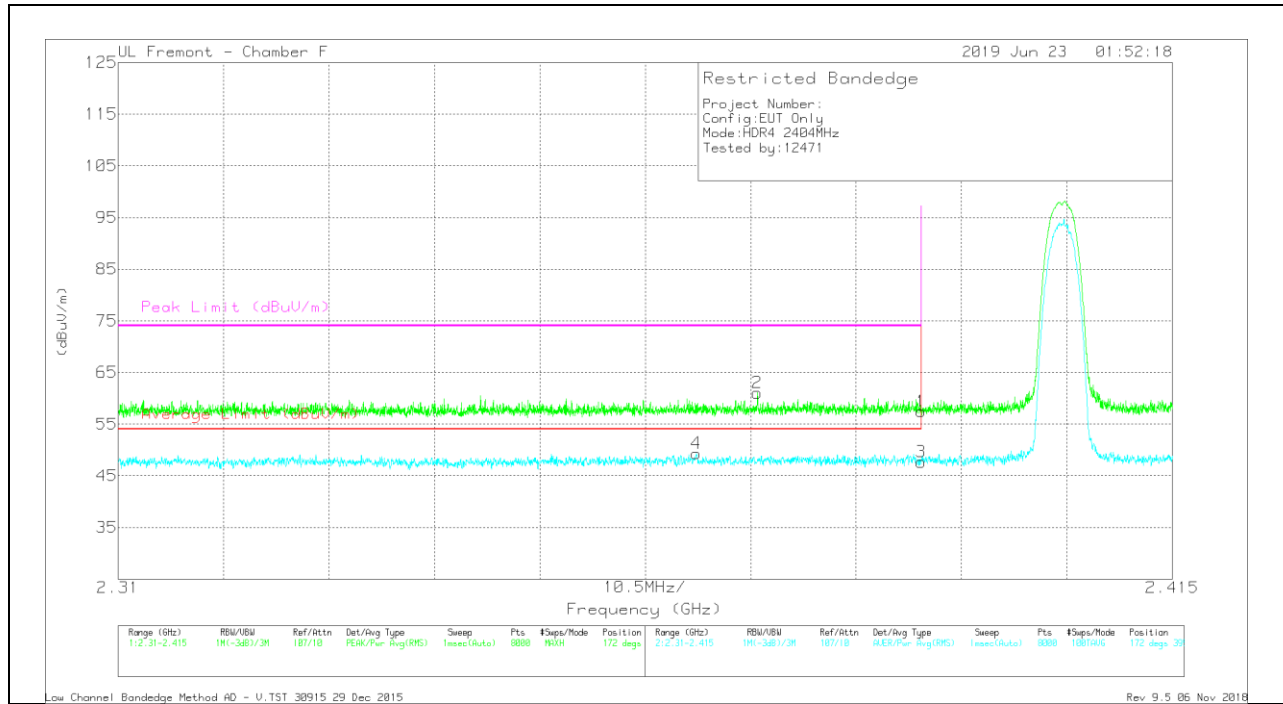
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T345 (dBm) | Amp/Cbl/Ftr /Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 41.97                | Pk  | 32            | -14.5                 | 59.47                      | -                      | -           | 74                  | -14.53         | 209            | 109         | H        |
| 2      | * 2.388         | 43.21                | Pk  | 32            | -14.5                 | 60.71                      | -                      | -           | 74                  | -13.29         | 209            | 109         | H        |
| 3      | * 2.39          | 29.94                | RMS | 32            | -14.5                 | 47.44                      | 54                     | -6.56       | -                   | -              | 209            | 109         | H        |
| 4      | * 2.387         | 31.18                | RMS | 31.9          | -14.5                 | 48.58                      | 54                     | -5.42       | -                   | -              | 209            | 109         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT

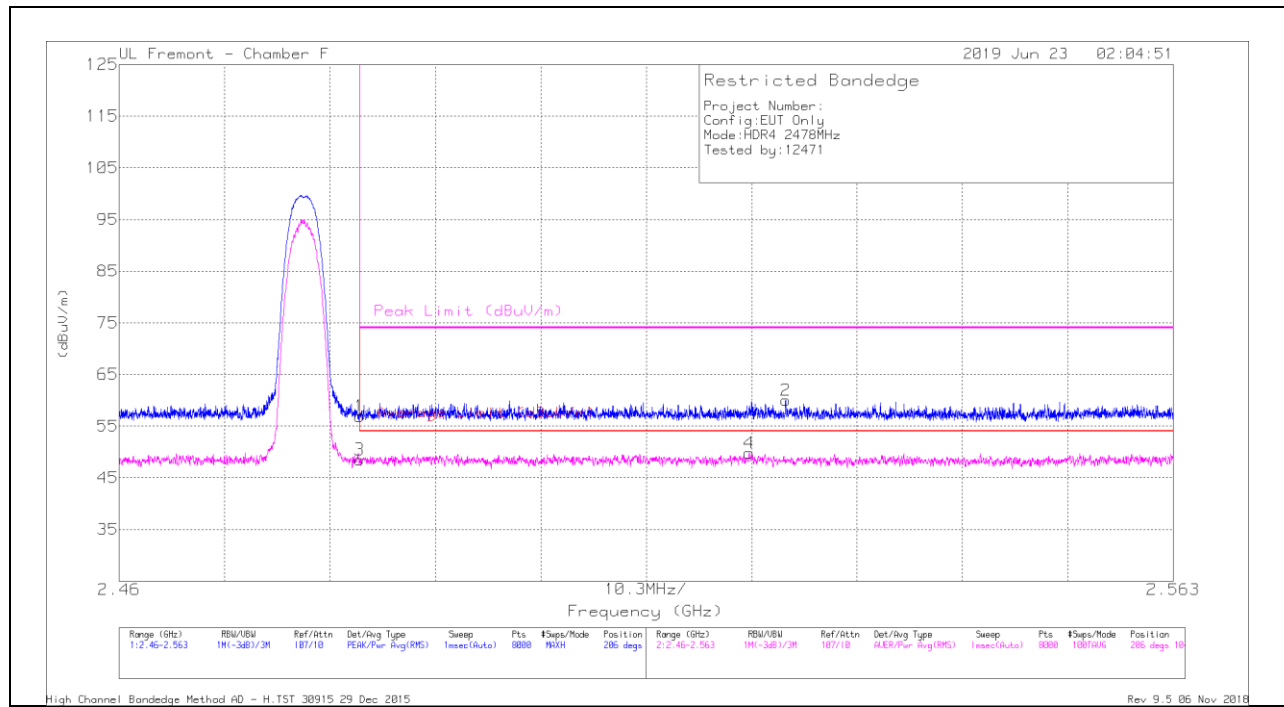


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T345 (dB/m) | Amp/Cbl/Ftr /Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 39.93                | Pk  | 32             | -14.5                 | 57.43                      | -                      | -           | 74                  | -16.57         | 172            | 395         | V        |
| 2      | * 2.374         | 43.56                | Pk  | 31.9           | -14.4                 | 61.06                      | -                      | -           | 74                  | -12.94         | 172            | 395         | V        |
| 3      | * 2.39          | 30.18                | RMS | 32             | -14.5                 | 47.68                      | 54                     | -6.32       | -                   | -              | 172            | 395         | V        |
| 4      | * 2.368         | 31.91                | RMS | 31.8           | -14.4                 | 49.31                      | 54                     | -4.69       | -                   | -              | 172            | 395         | V        |

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

Pk - Peak detector

RMS - RMS detection

**BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

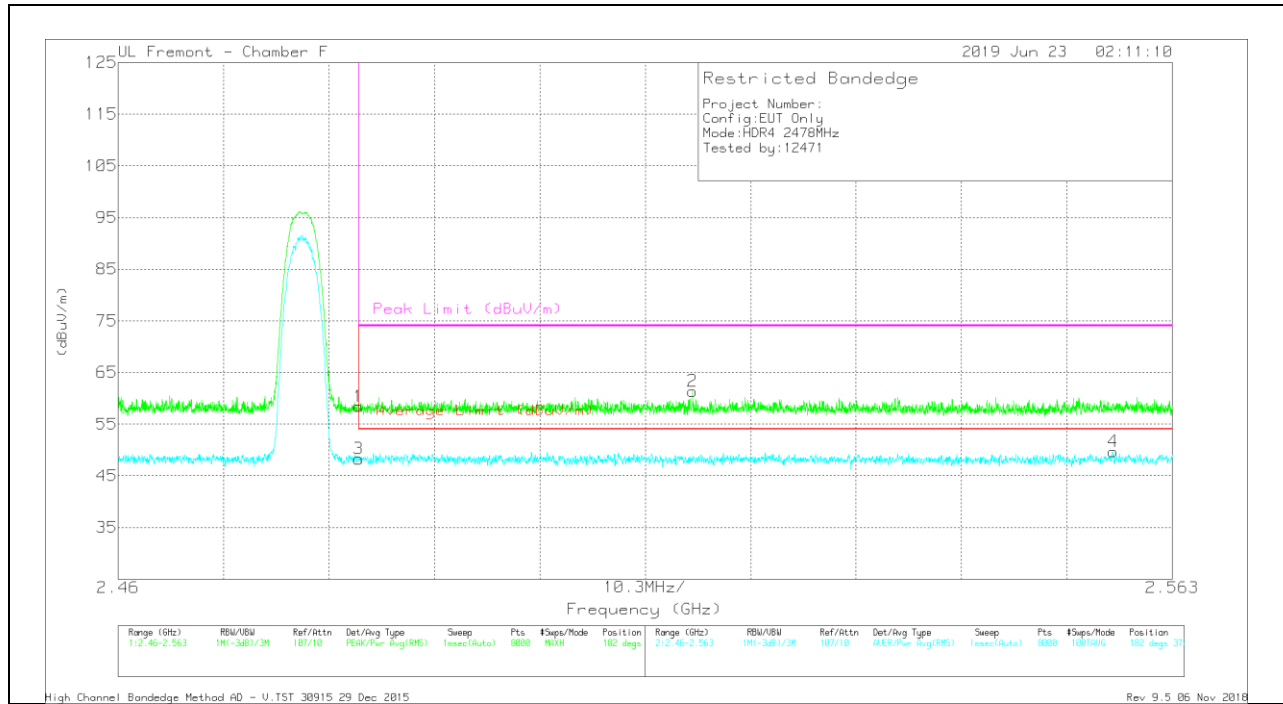
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T345 (dBm) | Amp/Cbl/Filtr /Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 39.22                | Pk  | 32.4          | -14.7                   | 56.92                      | -                      | -           | 74                  | -17.08         | 206            | 104         | H        |
| 2      | 2.525           | 42.18                | Pk  | 32.4          | -14.6                   | 59.98                      | -                      | -           | 74                  | -14.02         | 206            | 104         | H        |
| 3      | * 2.484         | 30.76                | RMS | 32.4          | -14.7                   | 48.46                      | 54                     | -5.54       | -                   | -              | 206            | 104         | H        |
| 4      | 2.522           | 31.96                | RMS | 32.3          | -14.5                   | 49.76                      | 54                     | -4.24       | -                   | -              | 206            | 104         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT

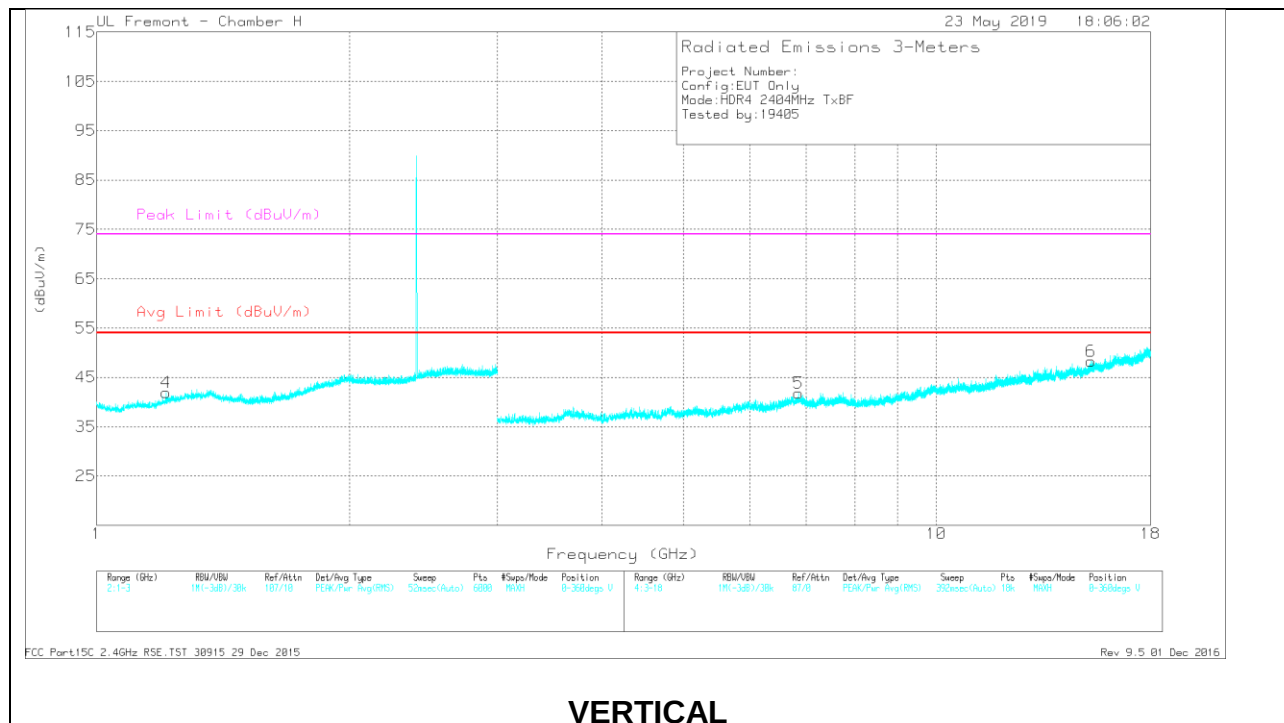
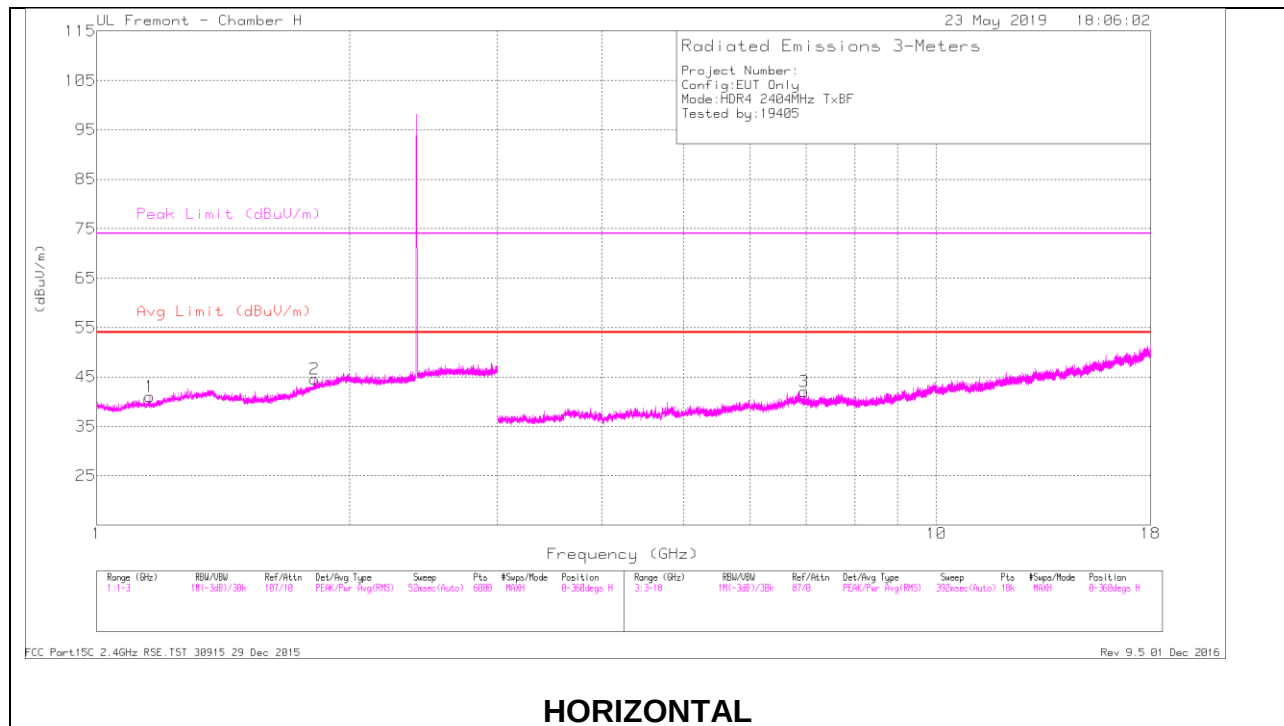


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T345 (dB/m) | Ampl/Cbl/Filtr /Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|--------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 40.71                | Pk  | 32.4           | -14.7                    | 58.41                      | -                      | -           | 74                  | -15.59         | 182            | 372         | V        |
| 2      | 2.516           | 43.76                | Pk  | 32.4           | -14.8                    | 61.36                      | -                      | -           | 74                  | -12.64         | 182            | 372         | V        |
| 3      | * 2.484         | 30.59                | RMS | 32.4           | -14.7                    | 48.29                      | 54                     | -5.71       | -                   | -              | 182            | 372         | V        |
| 4      | 2.557           | 31.79                | RMS | 32.4           | -14.5                    | 49.69                      | 54                     | -4.31       | -                   | -              | 182            | 372         | V        |

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

Pk - Peak detector

RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS****LOW CHANNEL RESULTS**

## RADIATED EMISSIONS

| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T136<br>(dB/m) | Amp/Cbl/Filtr/<br>Pad (dB) | Correcte<br>d<br>Reading<br>(dBuV/m) | Avg Limit<br>(dBuV/m) | Margin<br>(dB) | Peak Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|------|-------------------|----------------------------|--------------------------------------|-----------------------|----------------|------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 1.158                | 46.04                      | PK2  | 27.4              | -25.7                      | 47.74                                | -                     | -              | 74                     | -26.26               | 351               | 195            | H        |
|        | * 1.156                | 33.39                      | MAv1 | 27.4              | -25.7                      | 35.09                                | 54                    | -18.91         | -                      | -                    | 351               | 195            | H        |
| 4      | * 1.209                | 45.28                      | PK2  | 28.1              | -25.6                      | 47.78                                | -                     | -              | 74                     | -26.22               | 180               | 389            | V        |
|        | * 1.21                 | 33.32                      | MAv1 | 28.2              | -25.6                      | 35.92                                | 54                    | -18.08         | -                      | -                    | 180               | 389            | V        |
| 2      | 1.815                  | 44.59                      | PK2  | 30.4              | -24.4                      | 50.59                                | -                     | -              | -                      | -                    | 356               | 385            | H        |
|        | 1.817                  | 32.58                      | MAv1 | 30.5              | -24.4                      | 38.68                                | -                     | -              | -                      | -                    | 356               | 385            | H        |
| 5      | 6.858                  | 39.32                      | PK2  | 36.7              | -27.5                      | 48.52                                | -                     | -              | -                      | -                    | 216               | 393            | V        |
|        | 6.858                  | 27.12                      | MAv1 | 36.7              | -27.5                      | 36.32                                | -                     | -              | -                      | -                    | 216               | 393            | V        |
| 3      | 6.957                  | 26.49                      | MAv1 | 36.4              | -26.9                      | 35.99                                | -                     | -              | -                      | -                    | 48                | 199            | H        |
|        | 6.958                  | 38.06                      | PK2  | 36.4              | -26.9                      | 47.56                                | -                     | -              | -                      | -                    | 48                | 199            | H        |
| 6      | 15.295                 | 35.67                      | PK2  | 40.6              | -22.1                      | 54.17                                | -                     | -              | -                      | -                    | 135               | 101            | V        |
|        | 15.297                 | 24.2                       | MAv1 | 40.6              | -22.1                      | 42.7                                 | -                     | -              | -                      | -                    | 135               | 101            | V        |

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

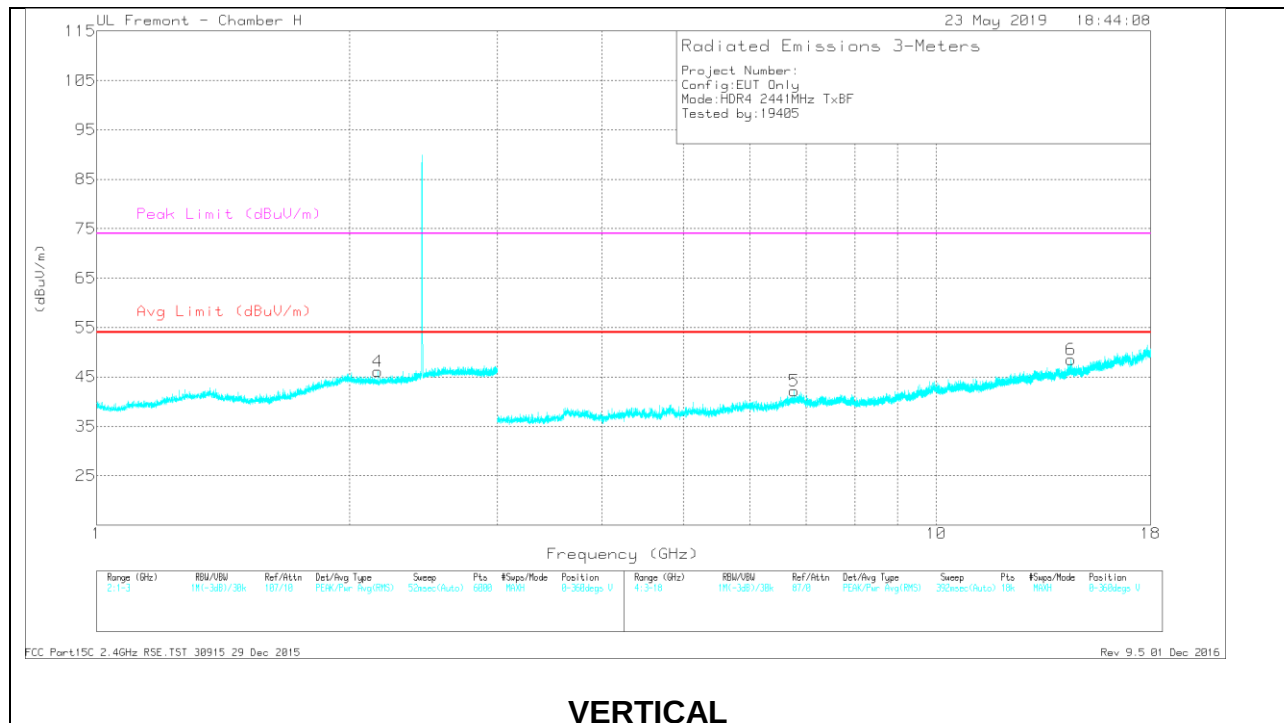
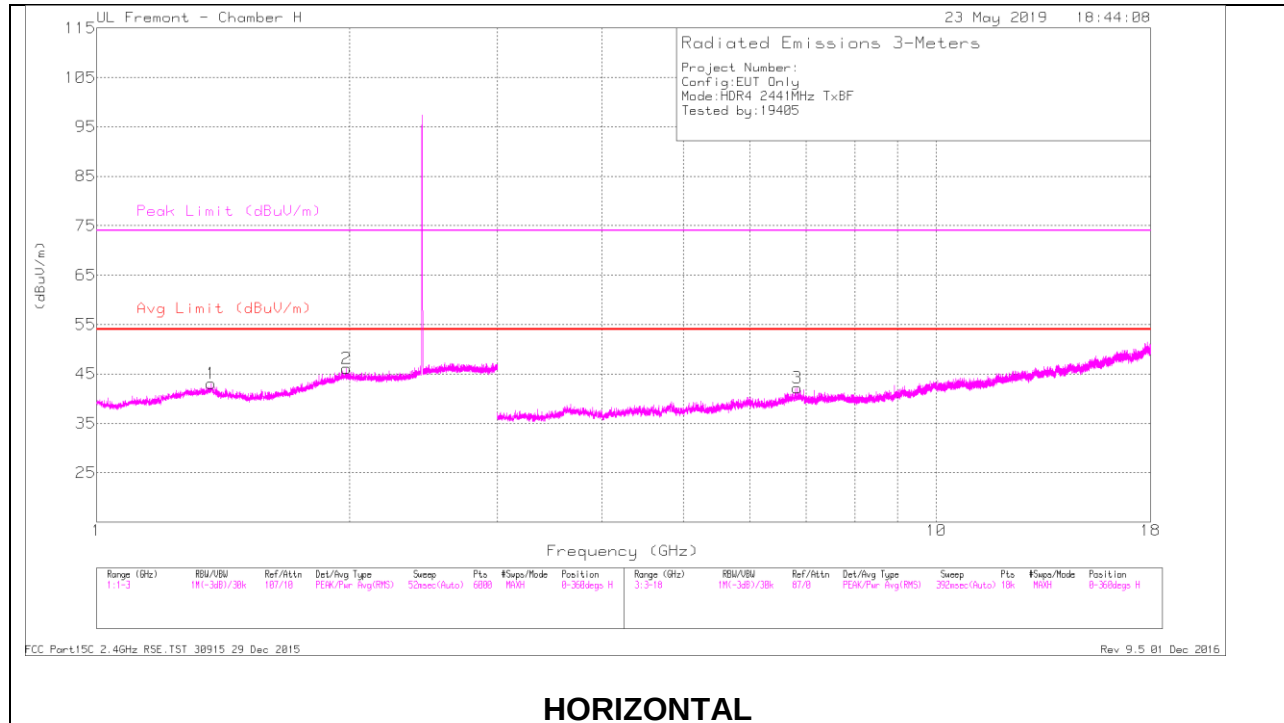
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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## MID CHANNEL RESULTS



## RADIATED EMISSIONS

| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T136<br>(dB/m) | Amp/Cbl/Ftr/<br>Pad (dB) | Correcte<br>d<br>Reading<br>(dBuV/m) | Avg Limit<br>(dBuV/m) | Margin<br>(dB) | Peak Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|------|-------------------|--------------------------|--------------------------------------|-----------------------|----------------|------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 1.369                | 45.42                      | PK2  | 29.6              | -25.2                    | 49.82                                | -                     | -              | 74                     | -24.18               | 223               | 158            | H        |
|        | * 1.37                 | 33.14                      | MAv1 | 29.6              | -25.2                    | 37.54                                | 54                    | -16.46         | -                      | -                    | 223               | 158            | H        |
| 2      | 1.984                  | 45.18                      | PK2  | 31.9              | -24.1                    | 52.98                                | -                     | -              | -                      | -                    | 206               | 292            | H        |
|        | 1.985                  | 32.51                      | MAv1 | 31.9              | -24.1                    | 40.31                                | -                     | -              | -                      | -                    | 206               | 292            | H        |
| 4      | 2.163                  | 32.47                      | MAv1 | 31.1              | -23.9                    | 39.67                                | -                     | -              | -                      | -                    | 327               | 355            | V        |
|        | 2.164                  | 44.26                      | PK2  | 31.1              | -24                      | 51.36                                | -                     | -              | -                      | -                    | 327               | 355            | V        |
| 5      | 6.773                  | 39.9                       | PK2  | 36.8              | -28.9                    | 47.8                                 | -                     | -              | -                      | -                    | 321               | 362            | V        |
|        | 6.774                  | 27.85                      | MAv1 | 36.8              | -28.9                    | 35.75                                | -                     | -              | -                      | -                    | 321               | 362            | V        |
| 3      | 6.834                  | 27.66                      | MAv1 | 36.7              | -28                      | 36.36                                | -                     | -              | -                      | -                    | 129               | 100            | H        |
|        | 6.835                  | 39.56                      | PK2  | 36.7              | -28                      | 48.26                                | -                     | -              | -                      | -                    | 129               | 100            | H        |
| 6      | 14.462                 | 35.14                      | PK2  | 39.8              | -21.3                    | 53.64                                | -                     | -              | -                      | -                    | 256               | 311            | V        |
|        | 14.463                 | 23.7                       | MAv1 | 39.8              | -21.3                    | 42.2                                 | -                     | -              | -                      | -                    | 256               | 311            | V        |

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

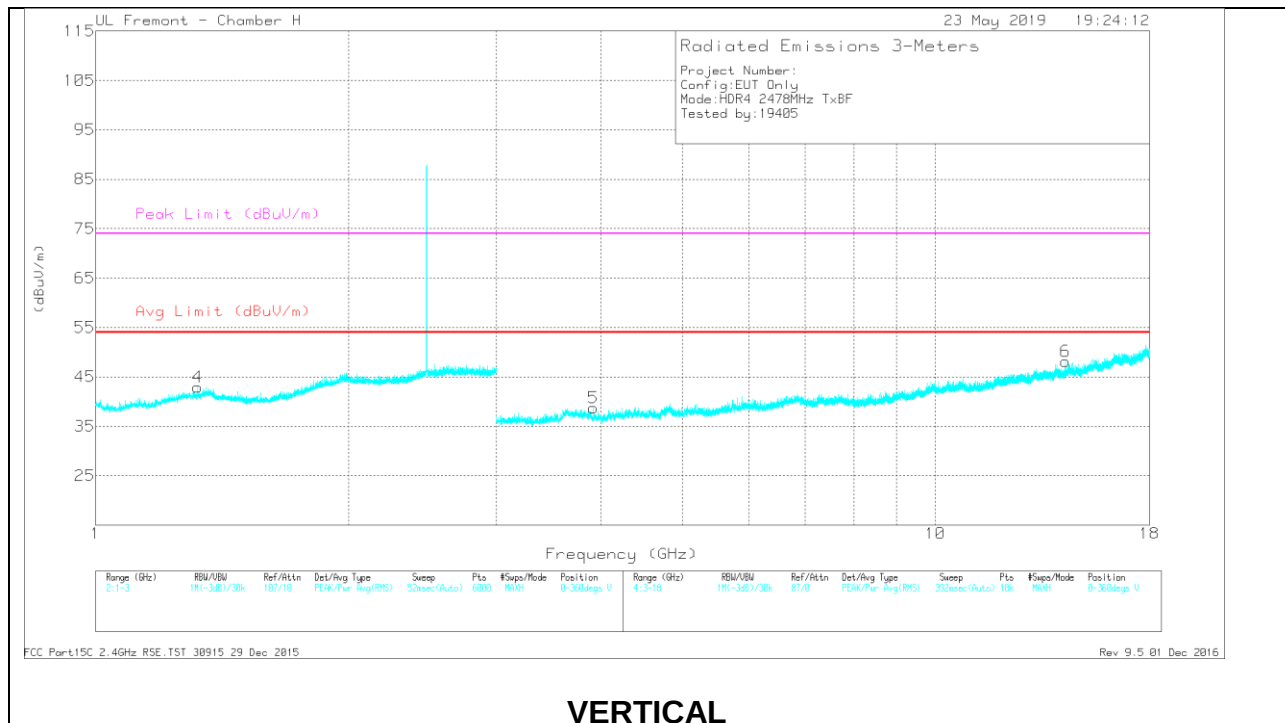
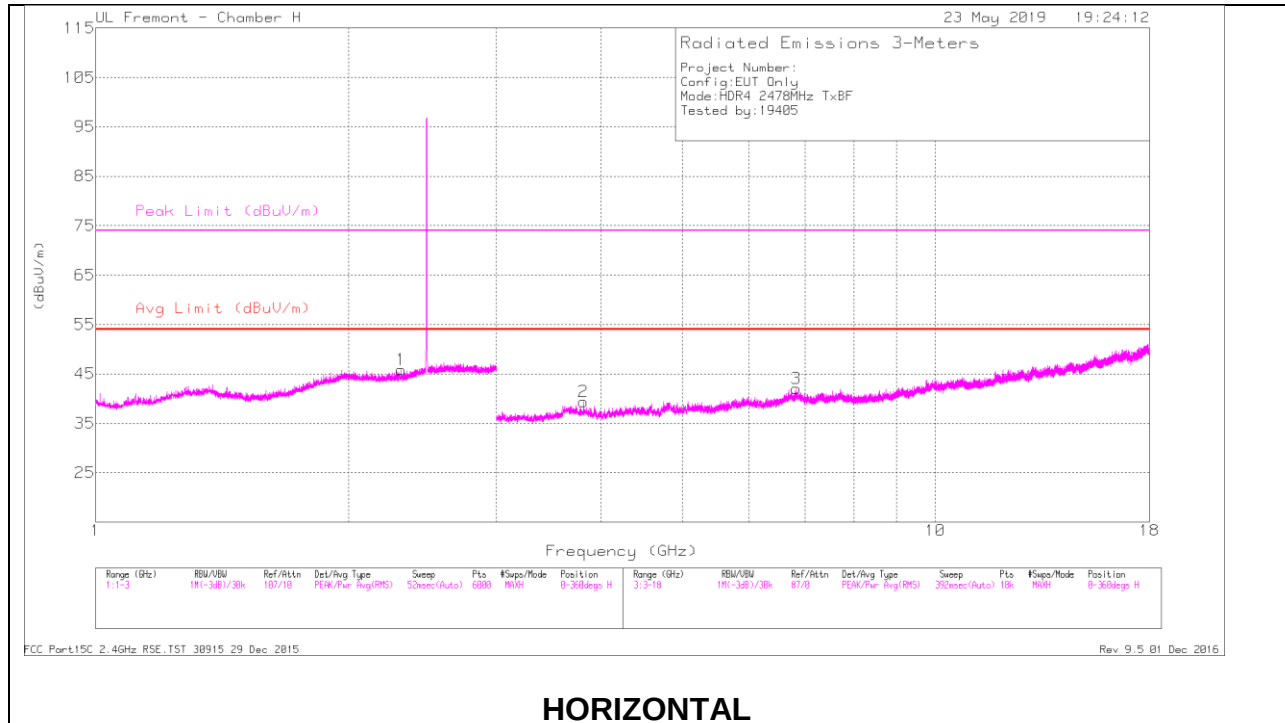
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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## HIGH CHANNEL RESULTS



## RADIATED EMISSIONS

| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T136<br>(dB/m) | Amp/Cbl/Filtr/<br>Pad (dB) | Correcte<br>d<br>Reading<br>(dBuV/m) | Avg Limit<br>(dBuV/m) | Margin<br>(dB) | Peak Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|------|-------------------|----------------------------|--------------------------------------|-----------------------|----------------|------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 2.312                | 44.29                      | PK2  | 31.3              | -23.7                      | 51.89                                | -                     | -              | 74                     | -22.11               | 177               | 105            | H        |
|        | * 2.313                | 32.3                       | MAv1 | 31.3              | -23.6                      | 40                                   | 54                    | -14            | -                      | -                    | 177               | 105            | H        |
| 4      | * 1.322                | 45.29                      | PK2  | 29.2              | -25.3                      | 49.19                                | -                     | -              | 74                     | -24.81               | 56                | 177            | V        |
|        | * 1.322                | 33.2                       | MAv1 | 29.2              | -25.3                      | 37.1                                 | 54                    | -16.9          | -                      | -                    | 56                | 177            | V        |
| 2      | * 3.81                 | 42.61                      | PK2  | 33.5              | -31                        | 45.11                                | -                     | -              | 74                     | -28.89               | 305               | 365            | H        |
|        | * 3.811                | 30.83                      | MAv1 | 33.5              | -31                        | 33.33                                | 54                    | -20.67         | -                      | -                    | 305               | 365            | H        |
| 5      | * 3.917                | 41.51                      | PK2  | 33.4              | -30.3                      | 44.61                                | -                     | -              | 74                     | -29.39               | 7                 | 220            | V        |
|        | * 3.92                 | 29.99                      | MAv1 | 33.3              | -30.2                      | 33.09                                | 54                    | -20.91         | -                      | -                    | 7                 | 220            | V        |
| 3      | 6.835                  | 27.78                      | MAv1 | 36.7              | -28                        | 36.48                                | -                     | -              | -                      | -                    | 296               | 398            | H        |
|        | 6.836                  | 39.49                      | PK2  | 36.7              | -28                        | 48.19                                | -                     | -              | -                      | -                    | 296               | 398            | H        |
| 6      | 14.301                 | 24.4                       | MAv1 | 39.6              | -22.2                      | 41.8                                 | -                     | -              | -                      | -                    | 164               | 204            | V        |
|        | 14.303                 | 36.17                      | PK2  | 39.6              | -22.1                      | 53.67                                | -                     | -              | -                      | -                    | 164               | 204            | V        |

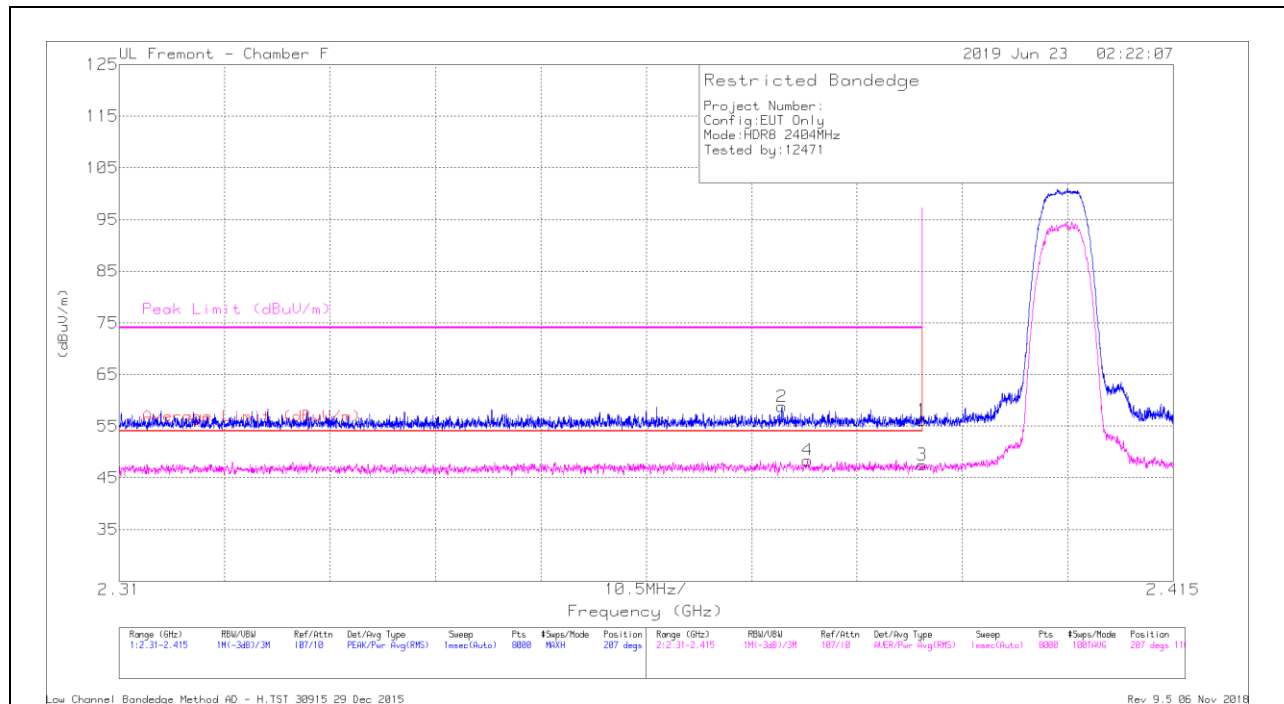
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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**9.2.8. BEAMFORMING LOW POWER HDR (HDR8)****BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

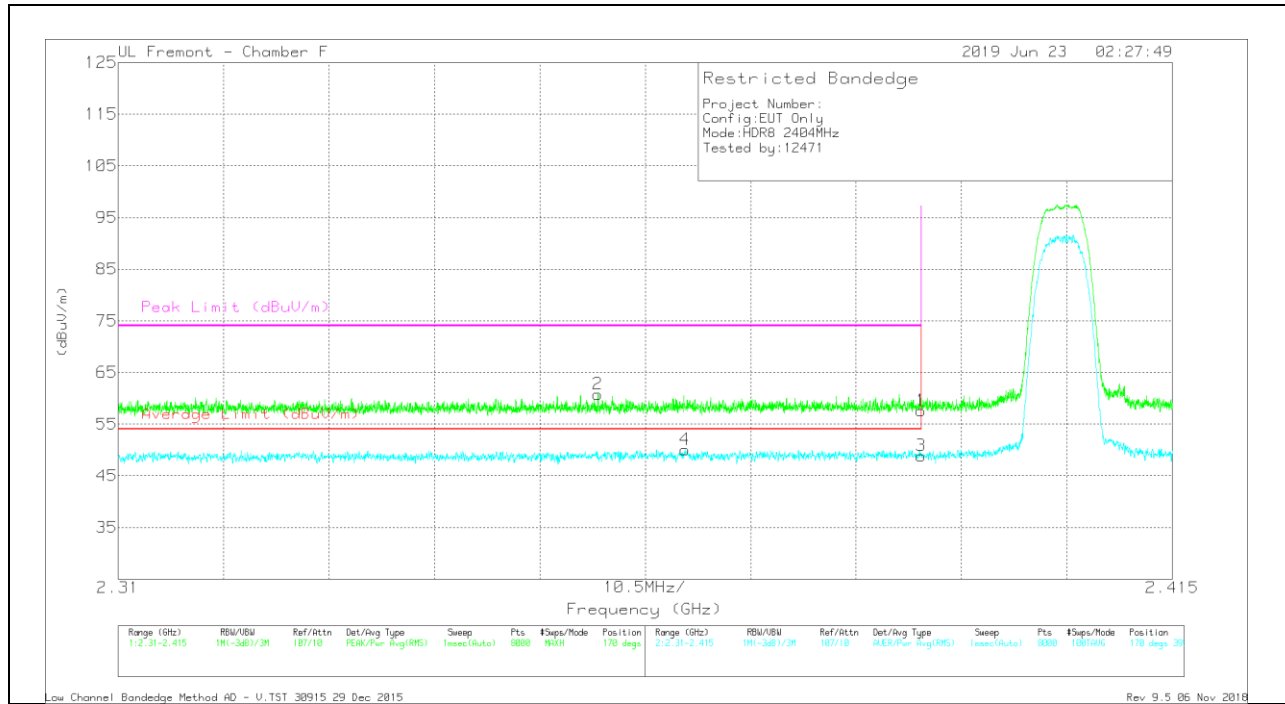
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T345 (dBm) | Amp/Cbl/Ftr /Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 38.63                | Pk  | 32            | -14.5                 | 56.13                      | -                      | -           | 74                  | -17.87         | 207            | 110         | H        |
| 2      | * 2.376         | 41.29                | Pk  | 31.9          | -14.4                 | 58.79                      | -                      | -           | 74                  | -15.21         | 207            | 110         | H        |
| 3      | * 2.39          | 30                   | RMS | 32            | -14.5                 | 47.5                       | 54                     | -6.5        | -                   | -              | 207            | 110         | H        |
| 4      | * 2.379         | 30.88                | RMS | 31.9          | -14.4                 | 48.38                      | 54                     | -5.62       | -                   | -              | 207            | 110         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT

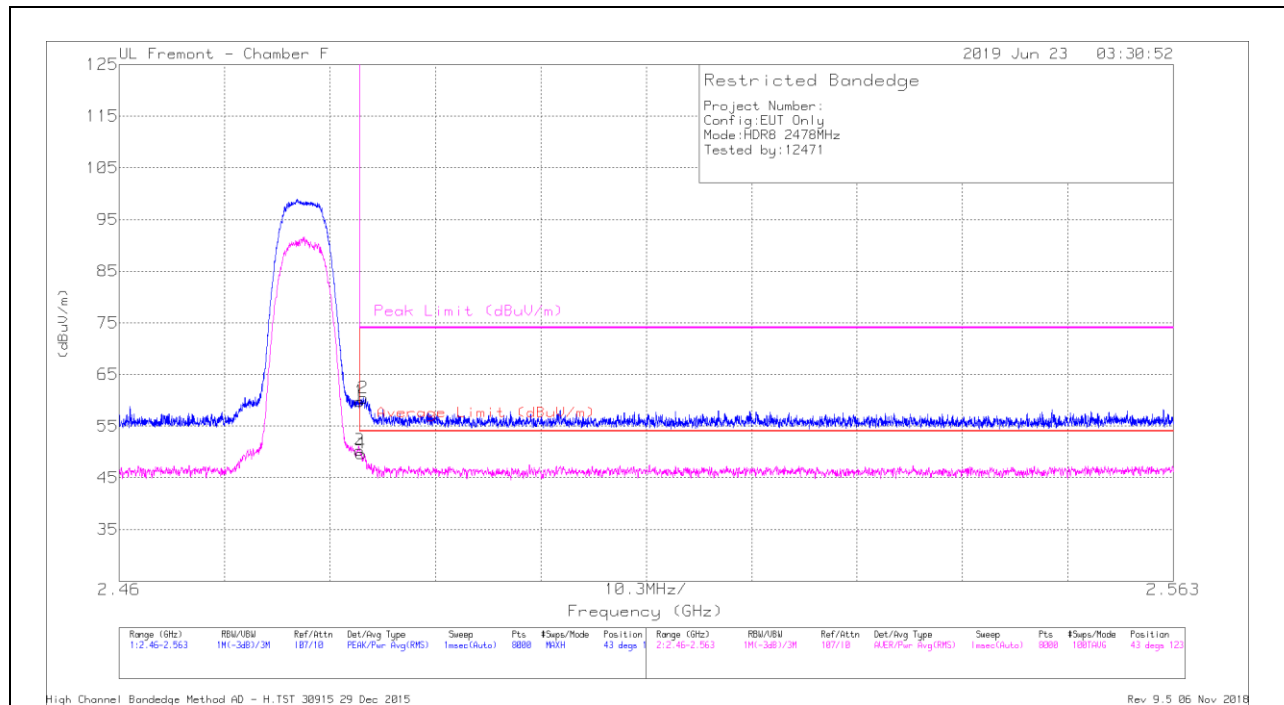


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T345 (dB/m) | Amp/Cbl/Ftr /Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 40.13                | Pk  | 32             | -14.5                 | 57.63                      | -                      | -           | 74                  | -16.37         | 170            | 395         | V        |
| 2      | * 2.358         | 43.59                | Pk  | 31.8           | -14.6                 | 60.79                      | -                      | -           | 74                  | -13.21         | 170            | 395         | V        |
| 3      | * 2.39          | 31.37                | RMS | 32             | -14.5                 | 48.87                      | 54                     | -5.13       | -                   | -              | 170            | 395         | V        |
| 4      | * 2.366         | 32.67                | RMS | 31.8           | -14.4                 | 50.07                      | 54                     | -3.93       | -                   | -              | 170            | 395         | V        |

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

Pk - Peak detector

RMS - RMS detection

**BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

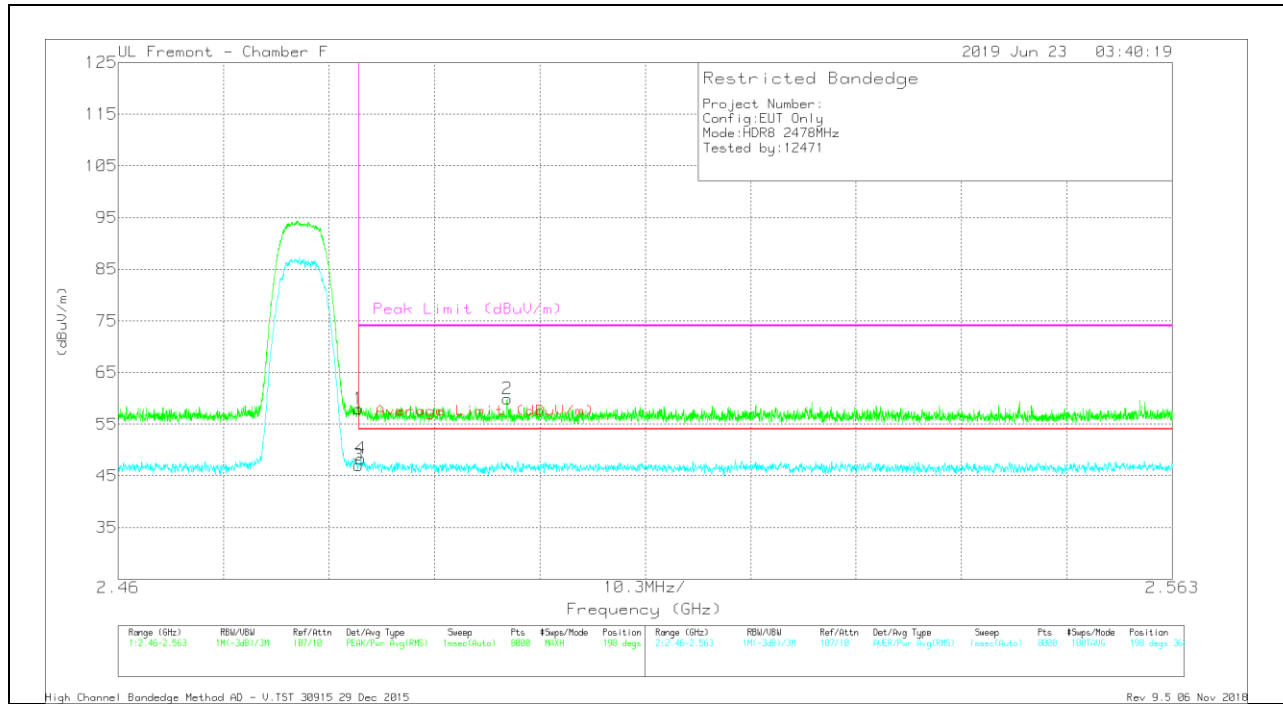
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T345 (dBm) | Amp/Cbl/Filtr /Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 42.08                | Pk  | 32.4          | -14.7                   | 59.78                      | -                      | -           | 74                  | -14.22         | 43             | 123         | H        |
| 2      | * 2.484         | 42.76                | Pk  | 32.4          | -14.7                   | 60.46                      | -                      | -           | 74                  | -13.54         | 43             | 123         | H        |
| 3      | * 2.484         | 32.64                | RMS | 32.4          | -14.7                   | 50.34                      | 54                     | -3.66       | -                   | -              | 43             | 123         | H        |
| 4      | * 2.484         | 32.03                | RMS | 32.4          | -14.7                   | 49.73                      | 54                     | -4.27       | -                   | -              | 43             | 123         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT

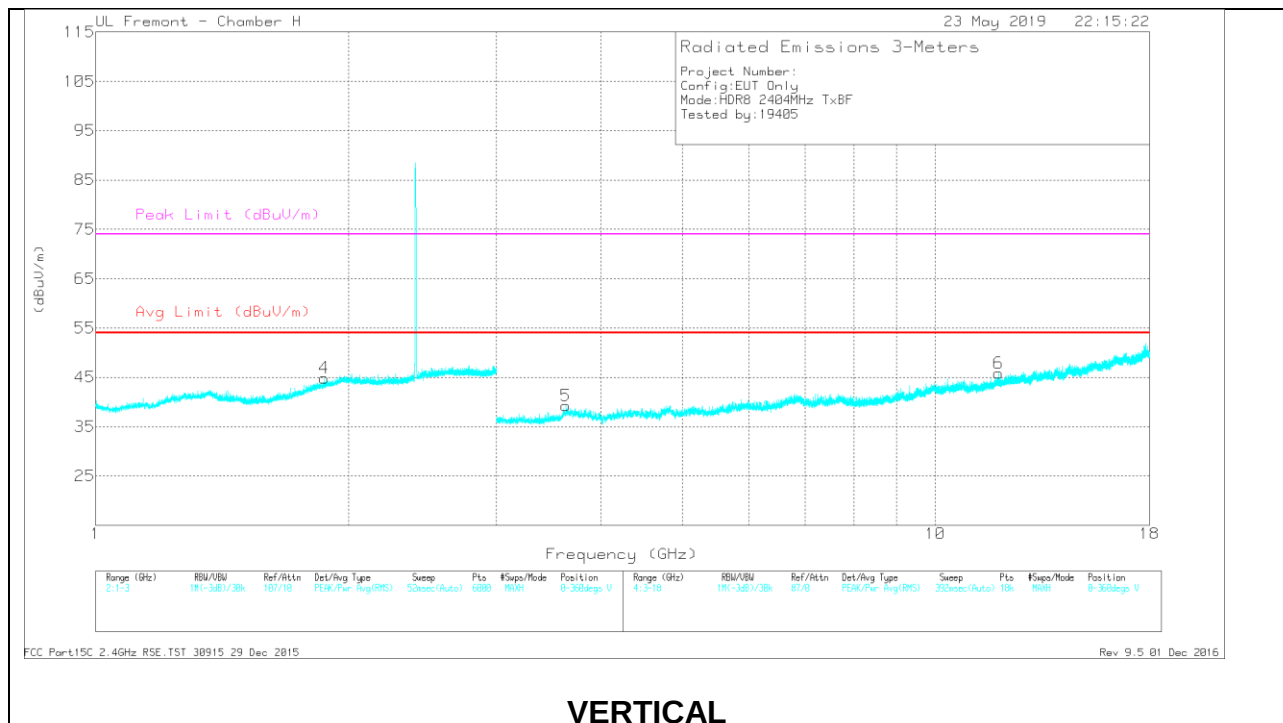
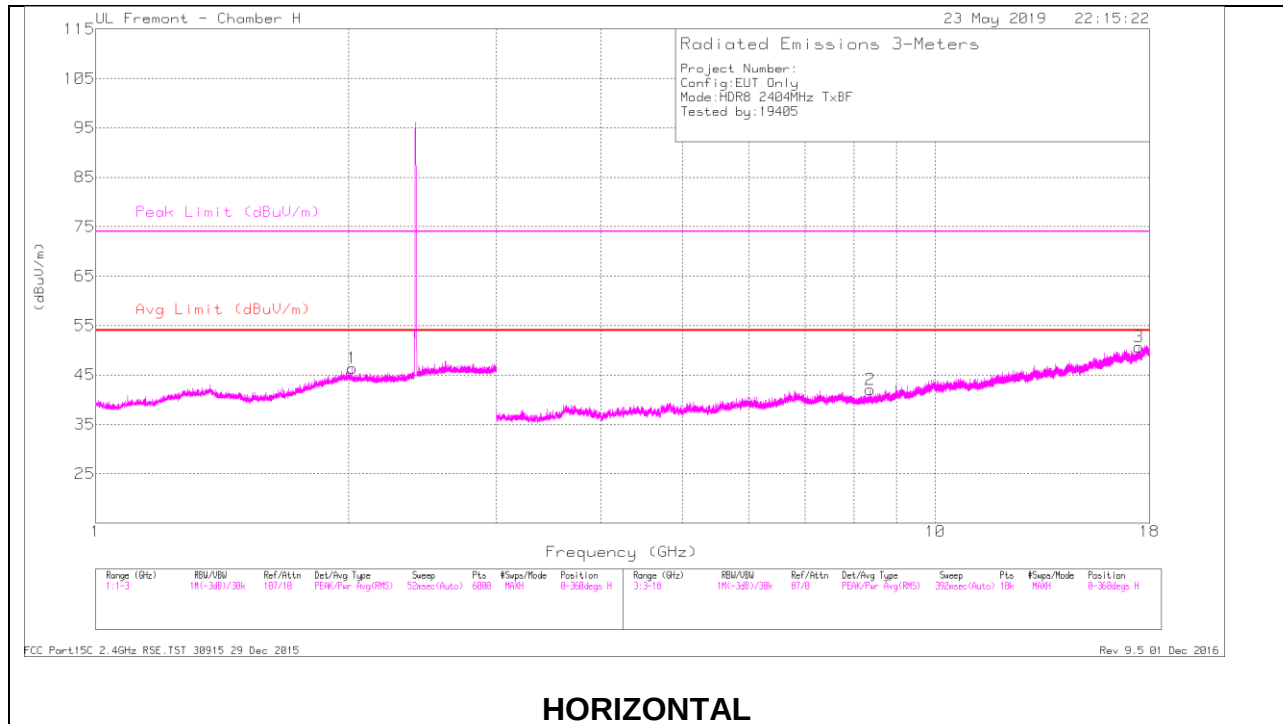


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T345 (dB/m) | Amp/Cbl/Ftr /Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 40.27                | Pk  | 32.4           | -14.7                 | 57.97                      | -                      | -           | 74                  | -16.03         | 198            | 368         | V        |
| 2      | * 2.498         | 42.2                 | Pk  | 32.4           | -14.7                 | 59.9                       | -                      | -           | 74                  | -14.1          | 198            | 368         | V        |
| 3      | * 2.484         | 29.38                | RMS | 32.4           | -14.7                 | 47.08                      | 54                     | -6.92       | -                   | -              | 198            | 368         | V        |
| 4      | * 2.484         | 30.66                | RMS | 32.4           | -14.7                 | 48.36                      | 54                     | -5.64       | -                   | -              | 198            | 368         | V        |

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

Pk - Peak detector

RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS****LOW CHANNEL RESULTS**

## RADIATED EMISSIONS

| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T136<br>(dB/m) | Amp/Cbl/Filtr/<br>Pad (dB) | Correcte<br>d<br>Reading<br>(dBuV/m) | Avg Limit<br>(dBuV/m) | Margin<br>(dB) | Peak Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|------|-------------------|----------------------------|--------------------------------------|-----------------------|----------------|------------------------|----------------------|-------------------|----------------|----------|
| 2      | * 8.361                | 37.32                      | PK2  | 35.8              | -25.8                      | 47.32                                | -                     | -              | 74                     | -26.68               | 358               | 166            | H        |
|        | * 8.361                | 25.96                      | MAv1 | 35.8              | -25.8                      | 35.96                                | 54                    | -18.04         | -                      | -                    | 358               | 166            | H        |
| 5      | * 3.635                | 41.18                      | PK2  | 33.1              | -29.5                      | 44.78                                | -                     | -              | 74                     | -29.22               | 76                | 138            | V        |
|        | * 3.636                | 29.31                      | MAv1 | 33.1              | -29.5                      | 32.91                                | 54                    | -21.09         | -                      | -                    | 76                | 138            | V        |
| 6      | * 11.89                | 36.03                      | PK2  | 38.7              | -22.8                      | 51.93                                | -                     | -              | 74                     | -22.07               | 199               | 173            | V        |
|        | * 11.892               | 24.29                      | MAv1 | 38.7              | -22.8                      | 40.19                                | 54                    | -13.81         | -                      | -                    | 199               | 173            | V        |
| 4      | 1.869                  | 44.9                       | PK2  | 31.1              | -24.3                      | 51.7                                 | -                     | -              | -                      | -                    | 264               | 332            | V        |
|        | 1.872                  | 32.48                      | MAv1 | 31.1              | -24.3                      | 39.28                                | -                     | -              | -                      | -                    | 264               | 332            | V        |
| 1      | 2.024                  | 44.6                       | PK2  | 31.7              | -24.1                      | 52.2                                 | -                     | -              | -                      | -                    | 177               | 111            | H        |
|        | 2.024                  | 32.49                      | MAv1 | 31.7              | -24.1                      | 40.09                                | -                     | -              | -                      | -                    | 177               | 111            | H        |
| 3      | 17.465                 | 35.53                      | PK2  | 41.3              | -20.3                      | 56.53                                | -                     | -              | -                      | -                    | 149               | 315            | H        |
|        | 17.469                 | 23.93                      | MAv1 | 41.3              | -20.3                      | 44.93                                | -                     | -              | -                      | -                    | 149               | 315            | H        |

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

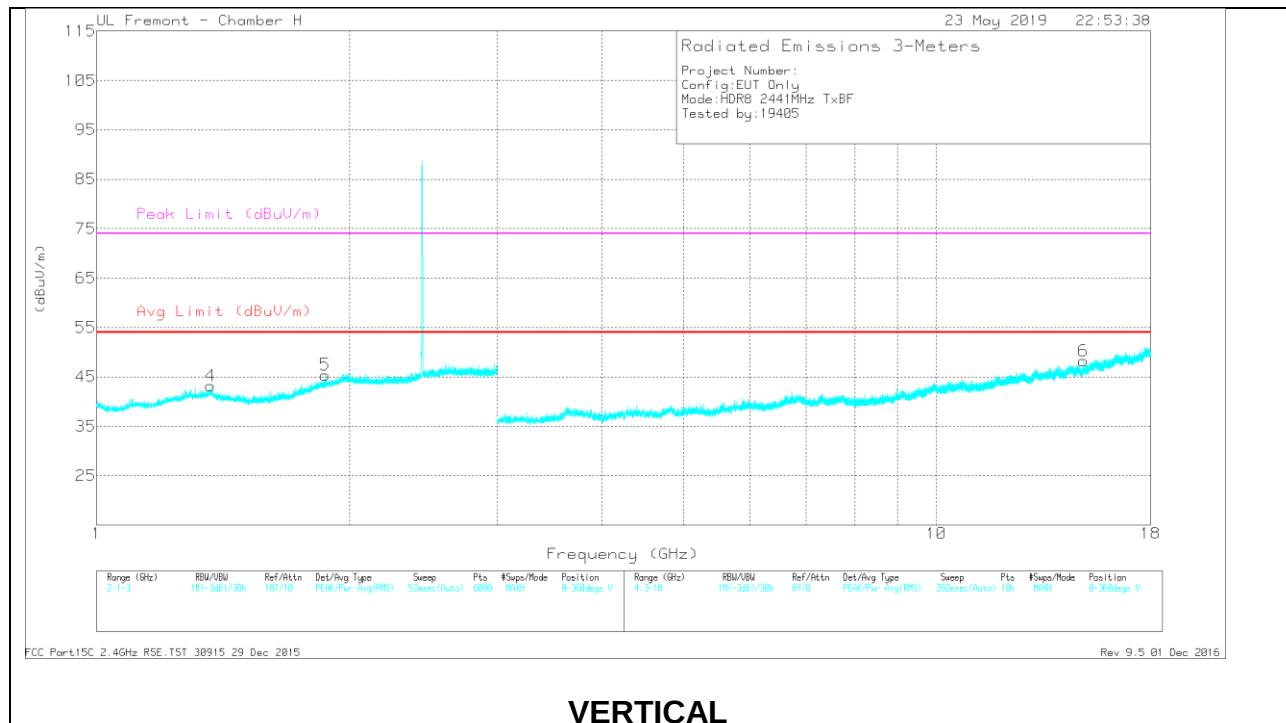
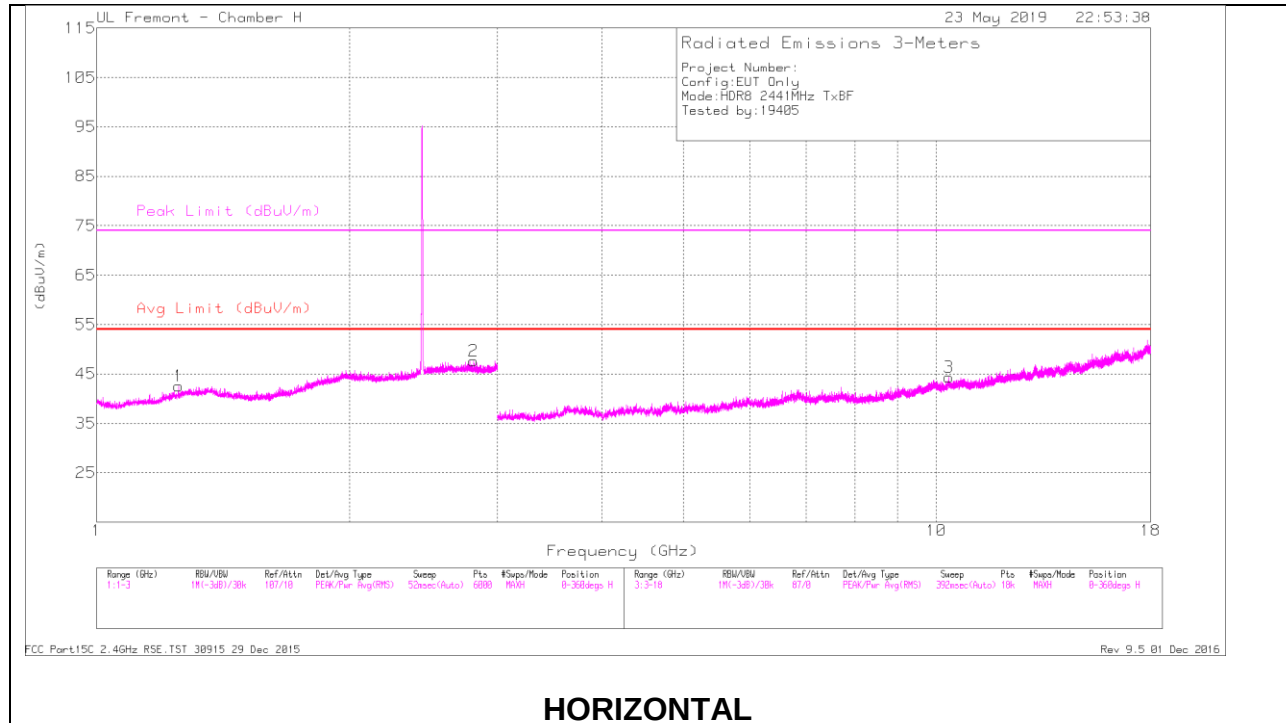
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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## MID CHANNEL RESULTS



## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T136 (dB/m) | Amp/Cbl/Filtr/P ad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.25          | 45.8                 | PK2  | 28.7           | -25.5                   | 49                         | -                  | -           | 74                  | -25            | 284            | 257         | H        |
|        | * 1.251         | 33.18                | MAv1 | 28.7           | -25.5                   | 36.38                      | 54                 | -17.62      | -                   | -              | 284            | 257         | H        |
| 2      | * 2.812         | 43.92                | PK2  | 32.5           | -23.1                   | 53.32                      | -                  | -           | 74                  | -20.68         | 104            | 120         | H        |
|        | * 2.813         | 32.18                | MAv1 | 32.5           | -23.1                   | 41.58                      | 54                 | -12.42      | -                   | -              | 104            | 120         | H        |
| 4      | * 1.368         | 45.01                | PK2  | 29.7           | -25.2                   | 49.51                      | -                  | -           | 74                  | -24.49         | 76             | 281         | V        |
|        | * 1.368         | 33.03                | MAv1 | 29.7           | -25.2                   | 37.53                      | 54                 | -16.47      | -                   | -              | 76             | 281         | V        |
| 5      | 1.871           | 32.49                | MAv1 | 31.1           | -24.3                   | 39.29                      | -                  | -           | -                   | -              | 149            | 333         | V        |
|        | 1.872           | 44.41                | PK2  | 31.1           | -24.3                   | 51.21                      | -                  | -           | -                   | -              | 149            | 333         | V        |
| 3      | 10.353          | 35.26                | PK2  | 37.5           | -22.7                   | 50.06                      | -                  | -           | -                   | -              | 42             | 206         | H        |
|        | 10.353          | 24.02                | MAv1 | 37.5           | -22.7                   | 38.82                      | -                  | -           | -                   | -              | 42             | 206         | H        |
| 6      | 14.984          | 35.82                | PK2  | 39.8           | -21.7                   | 53.92                      | -                  | -           | -                   | -              | 356            | 324         | V        |
|        | 14.984          | 24.22                | MAv1 | 39.8           | -21.7                   | 42.32                      | -                  | -           | -                   | -              | 356            | 324         | V        |

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

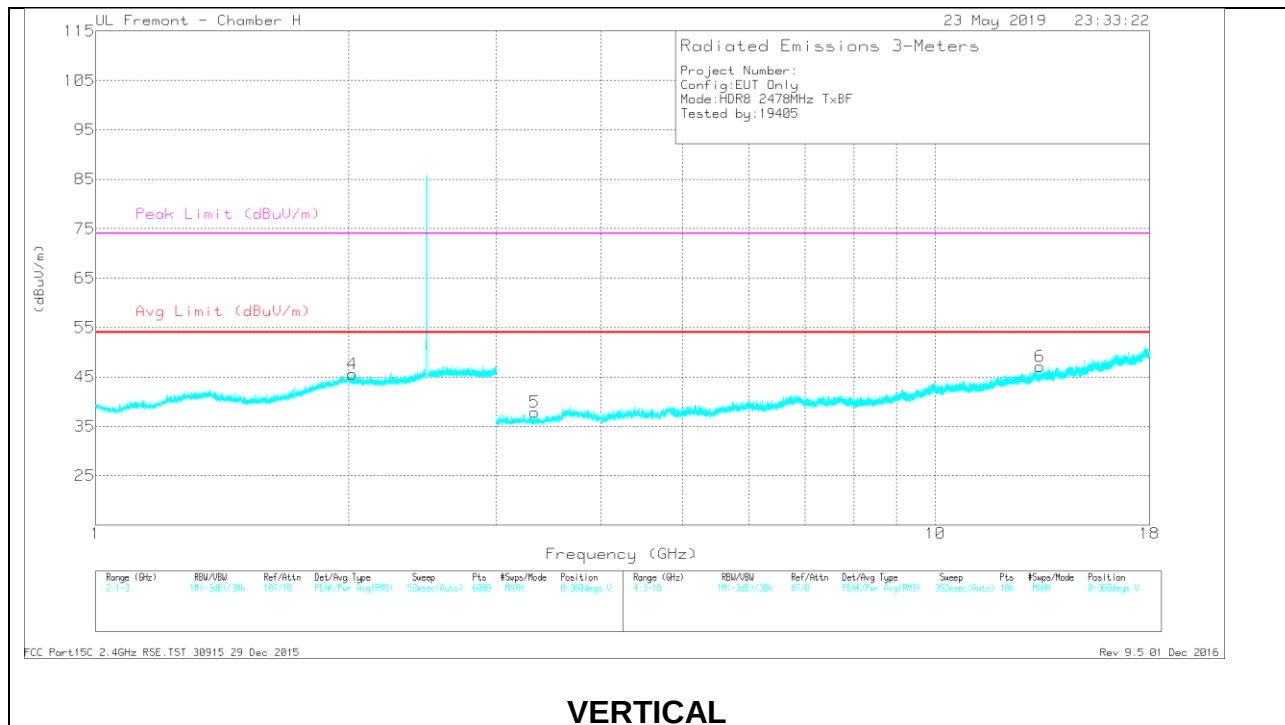
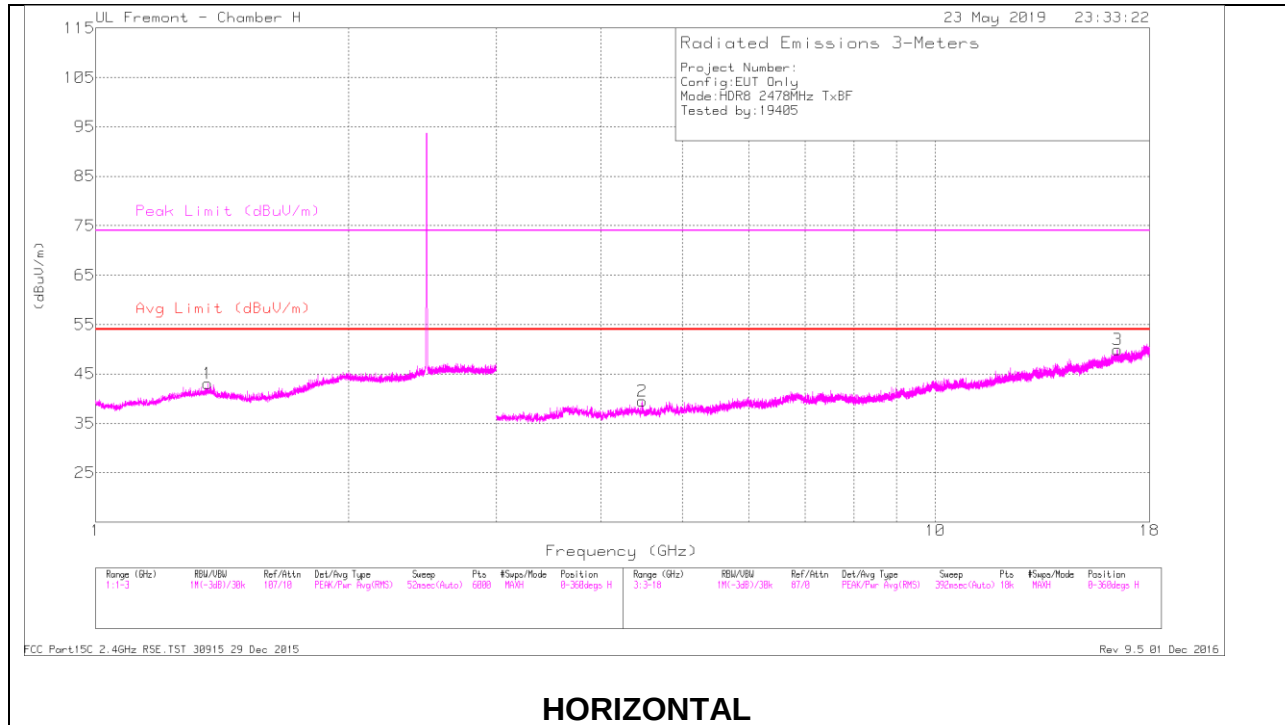
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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## HIGH CHANNEL RESULTS



## RADIATED EMISSIONS

| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T136<br>(dB/m) | Amp/Cbl/Filtr/<br>Pad (dB) | Correcte<br>d<br>Reading<br>(dBuV/m) | Avg Limit<br>(dBuV/m) | Margin<br>(dB) | Peak Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|------|-------------------|----------------------------|--------------------------------------|-----------------------|----------------|------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 1.361                | 45.36                      | PK2  | 29.5              | -25.2                      | 49.66                                | -                     | -              | 74                     | -24.34               | 168               | 135            | H        |
|        | * 1.359                | 33.03                      | MAv1 | 29.5              | -25.2                      | 37.33                                | 54                    | -16.67         | -                      | -                    | 168               | 135            | H        |
| 5      | * 3.335                | 42.4                       | PK2  | 32.7              | -30.5                      | 44.6                                 | -                     | -              | 74                     | -29.4                | 295               | 235            | V        |
|        | * 3.332                | 30.17                      | MAv1 | 32.6              | -30.5                      | 32.27                                | 54                    | -21.73         | -                      | -                    | 295               | 235            | V        |
| 6      | * 13.317               | 36.39                      | PK2  | 39.5              | -22.9                      | 52.99                                | -                     | -              | 74                     | -21.01               | 202               | 377            | V        |
|        | * 13.319               | 24.5                       | MAv1 | 39.6              | -22.9                      | 41.2                                 | 54                    | -12.8          | -                      | -                    | 202               | 377            | V        |
| 4      | 2.022                  | 44.32                      | PK2  | 31.7              | -24.1                      | 51.92                                | -                     | -              | -                      | -                    | 183               | 238            | V        |
|        | 2.022                  | 32.48                      | MAv1 | 31.7              | -24.1                      | 40.08                                | -                     | -              | -                      | -                    | 183               | 238            | V        |
| 2      | 4.476                  | 30.01                      | MAv1 | 33.9              | -30.6                      | 33.31                                | -                     | -              | -                      | -                    | 326               | 138            | H        |
|        | 4.477                  | 41.97                      | PK2  | 33.9              | -30.6                      | 45.27                                | -                     | -              | -                      | -                    | 326               | 138            | H        |
| 3      | 16.484                 | 36.14                      | PK2  | 41.5              | -21.4                      | 56.24                                | -                     | -              | -                      | -                    | 58                | 393            | H        |
|        | 16.485                 | 24.41                      | MAv1 | 41.5              | -21.5                      | 44.41                                | -                     | -              | -                      | -                    | 58                | 393            | H        |

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

PK2 - KDB558074 Method: Maximum Peak

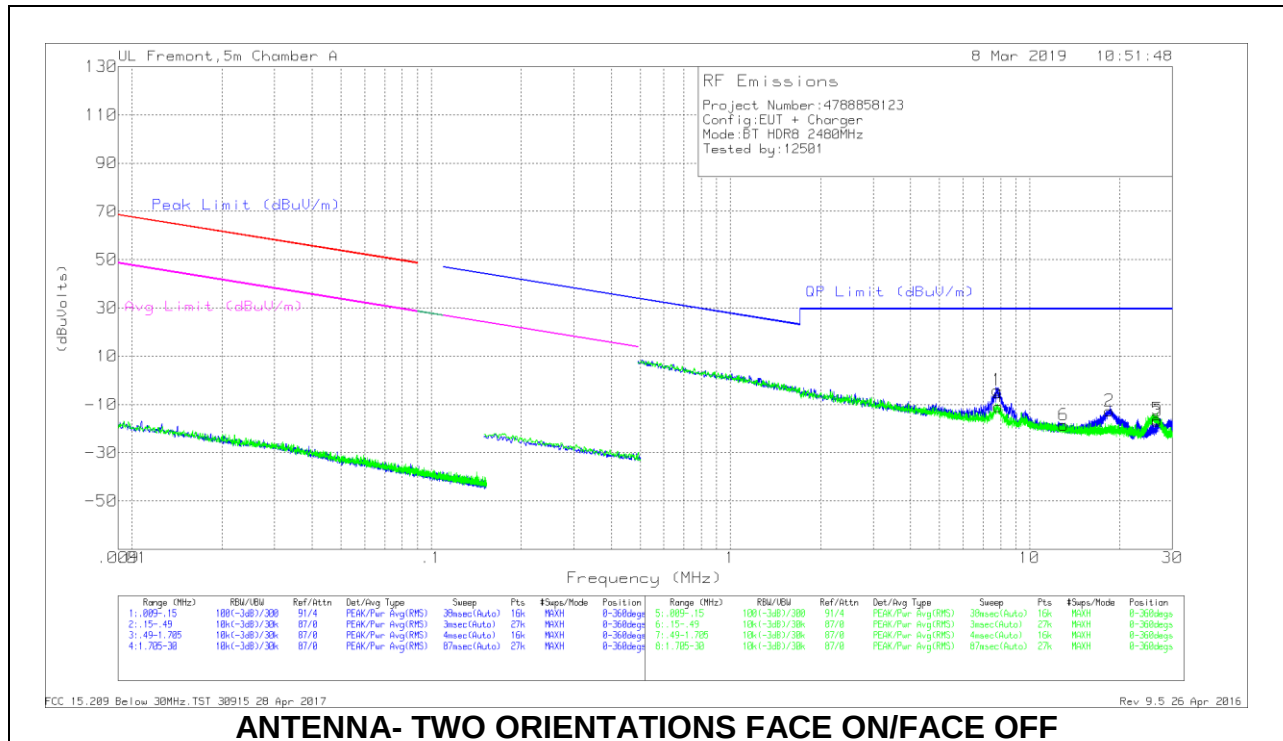
MAv1 - KDB558074 Option 1 Maximum RMS Average

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### 9.3. WORST CASE BELOW 30MHZ

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

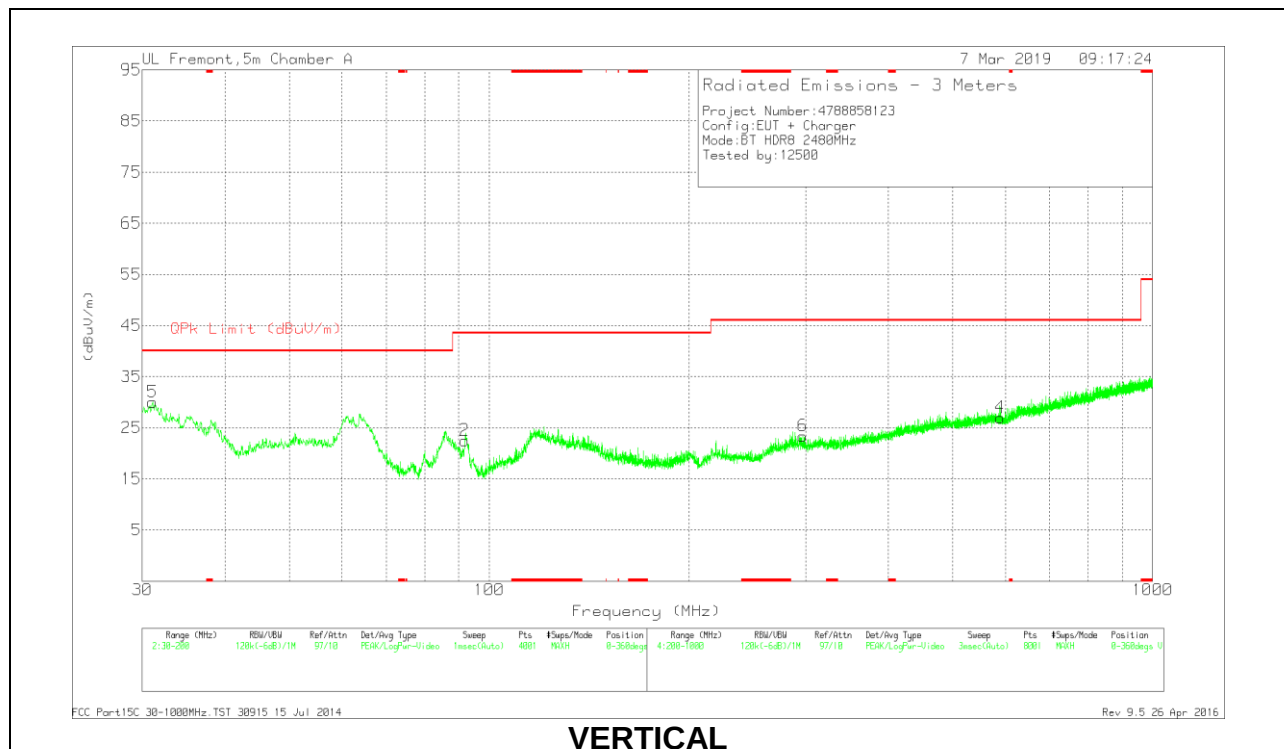
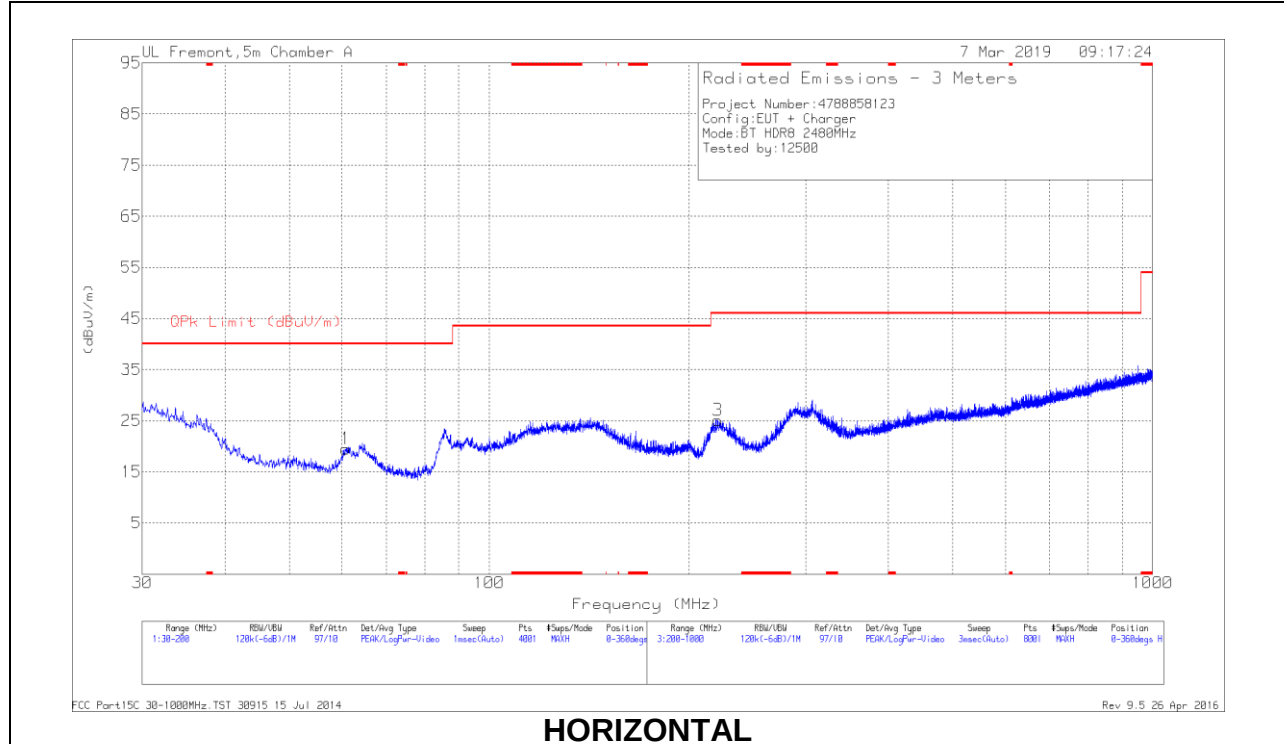


#### ANTENNA- TWO ORIENTATIONS FACE ON/FACE OFF

#### Below 30MHz Data

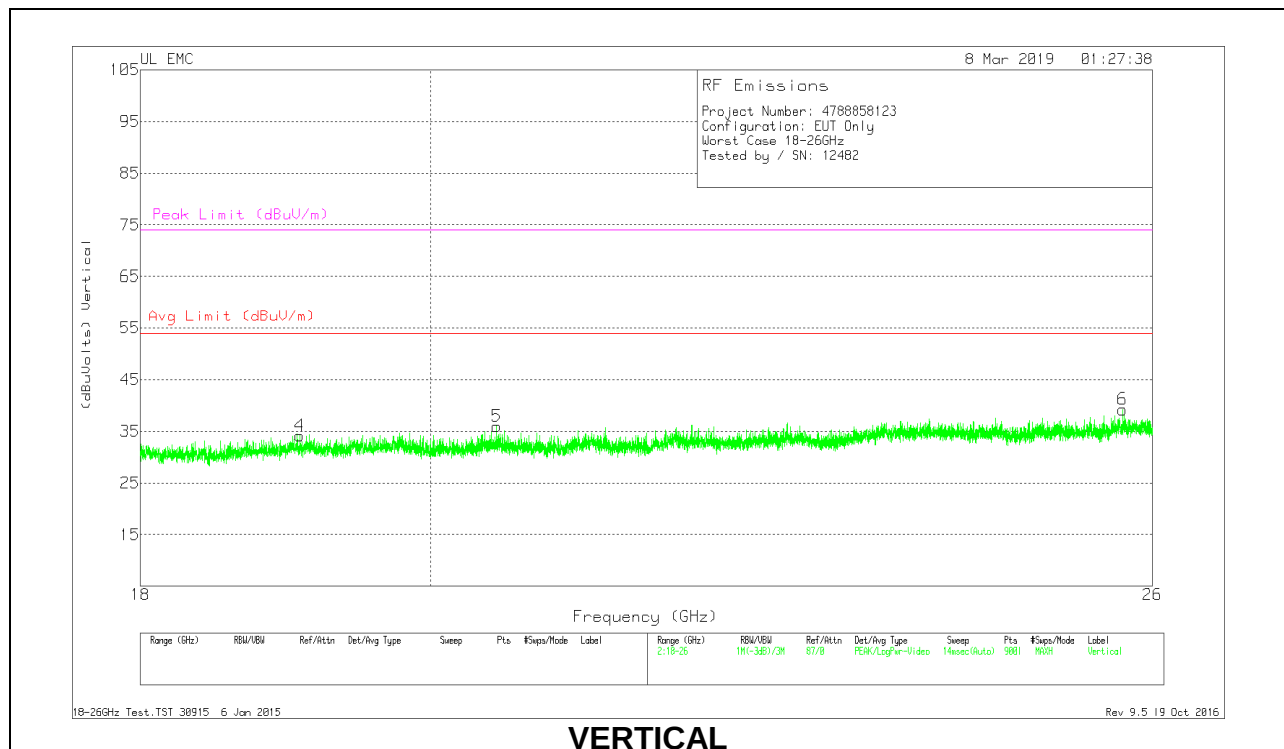
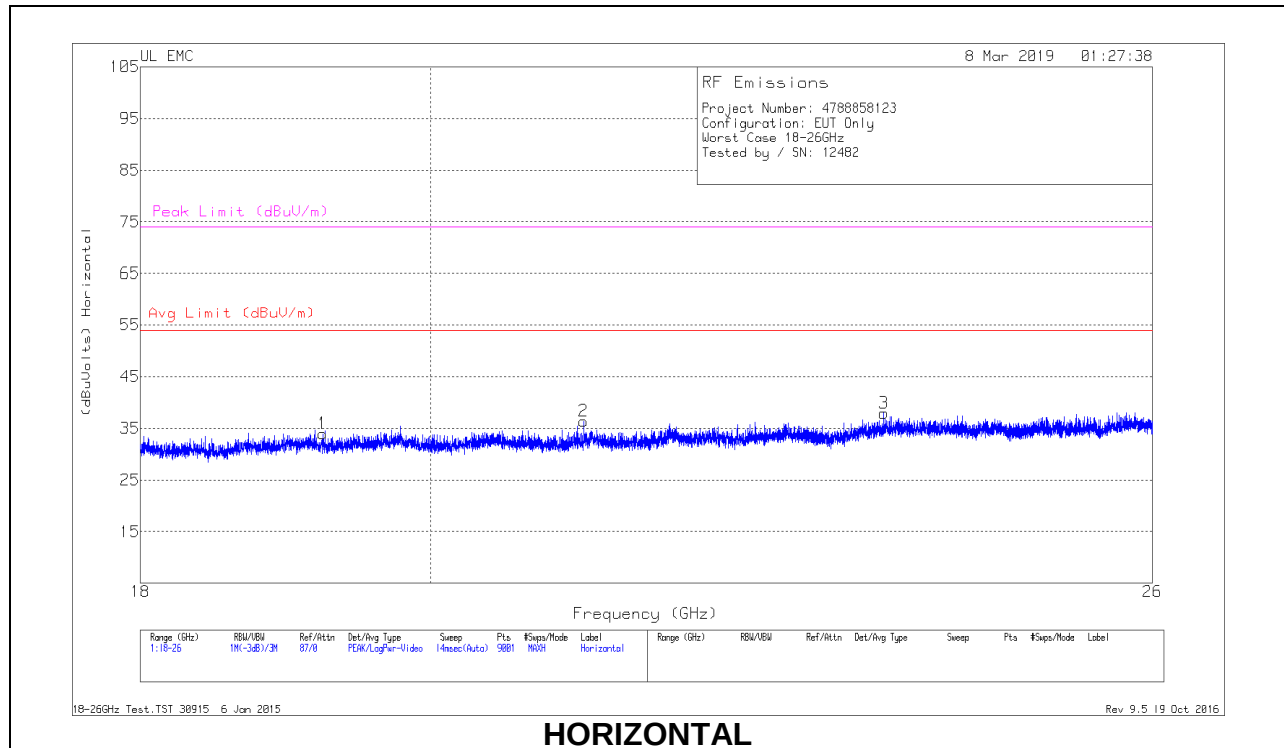
| Frequency (MHz) | Meter Reading (dBuV) | Det | Loop Antenna (dBm) | Cables (dB) | Dist Corr 30m | Corrected Reading (dBuVolts) | QP Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) |
|-----------------|----------------------|-----|--------------------|-------------|---------------|------------------------------|-------------------|-------------|----------------|
| 7.81003         | 18.69                | Pk  | 10.9               | .4          | -40           | -10.01                       | 29.5              | -39.51      | 199            |
| 7.84368         | 24.38                | Pk  | 10.9               | .4          | -40           | -4.32                        | 29.5              | -33.82      | 94             |
| 13.0151         | 9.72                 | Pk  | 10.8               | .5          | -40           | -18.98                       | 29.5              | -48.48      | 33             |
| 18.4539         | 17.08                | Pk  | 10.4               | .6          | -40           | -11.92                       | 29.5              | -41.42      | 115            |
| 26.6955         | 12.35                | Pk  | 9                  | .7          | -40           | -17.95                       | 29.5              | -47.45      | 358            |
| 26.7243         | 16.39                | Pk  | 9                  | .7          | -40           | -13.91                       | 29.5              | -43.41      | 173            |

Pk - Peak detector

**9.4. WORST CASE BELOW 1 GHZ****SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION)**

**Below 1GHz Data**

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF PRE0181574 (dB/m) | Amp/Cbl (dB/m) | Corrected Reading (dBuV/m) | QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------------|----------------|----------------------------|--------------------|-------------|----------------|-------------|----------|
| 5      | 31.105          | 31.11                | Pk  | 26.1                 | -27.2          | 30.01                      | 40                 | -9.99       | 0-360          | 100         | V        |
| 1      | 60.8125         | 32.79                | Pk  | 13.5                 | -26.8          | 19.49                      | 40                 | -20.51      | 0-360          | 300         | H        |
| 2      | 91.88           | 34.87                | Pk  | 14                   | -26.4          | 22.47                      | 43.52              | -21.05      | 0-360          | 100         | V        |
| 3      | 221.1           | 33.39                | Pk  | 16.6                 | -24.9          | 25.09                      | 46.02              | -20.93      | 0-360          | 100         | H        |
| 6      | 297.1           | 28.59                | Pk  | 19.2                 | -24.4          | 23.39                      | 46.02              | -22.63      | 0-360          | 200         | V        |
| 4      | 589.7           | 27.48                | Pk  | 24.2                 | -24.7          | 26.98                      | 46.02              | -19.04      | 0-360          | 300         | V        |

**9.5. WORST CASE 18-26 GHZ****SPURIOUS EMISSIONS 18-26 GHz (WORST-CASE CONFIGURATION)**

**18 – 26GHz DATA**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | T447 AF (dB/m) | Amp/Cbl (dB) | Dist Corr (dB) | Corrected Reading (dBuVolts) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) |
|--------|-----------------|----------------------|-----|----------------|--------------|----------------|------------------------------|--------------------|-------------|---------------------|----------------|
| 1      | 19.232          | 35.53                | Pk  | 32.7           | -24.8        | -9.5           | 33.93                        | 54                 | -20.07      | 74                  | -40.07         |
| 2      | 21.144          | 38.38                | Pk  | 33             | -25.5        | -9.5           | 36.38                        | 54                 | -17.62      | 74                  | -37.62         |
| 3      | 23.581          | 37.73                | Pk  | 34.1           | -24.4        | -9.5           | 37.93                        | 54                 | -16.07      | 74                  | -36.07         |
| 4      | 19.073          | 35.96                | Pk  | 32.6           | -24.9        | -9.5           | 34.16                        | 54                 | -19.84      | 74                  | -39.84         |
| 5      | 20.487          | 37.66                | Pk  | 33             | -25.2        | -9.5           | 35.96                        | 54                 | -18.04      | 74                  | -38.04         |
| 6      | 25.72           | 39.01                | Pk  | 34.4           | -24.7        | -9.5           | 39.21                        | 54                 | -14.79      | 74                  | -34.79         |

## 10. AC POWER LINE CONDUCTED EMISSIONS

### LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

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

\* Decreases with the logarithm of the frequency.

### TEST PROCEDURE

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

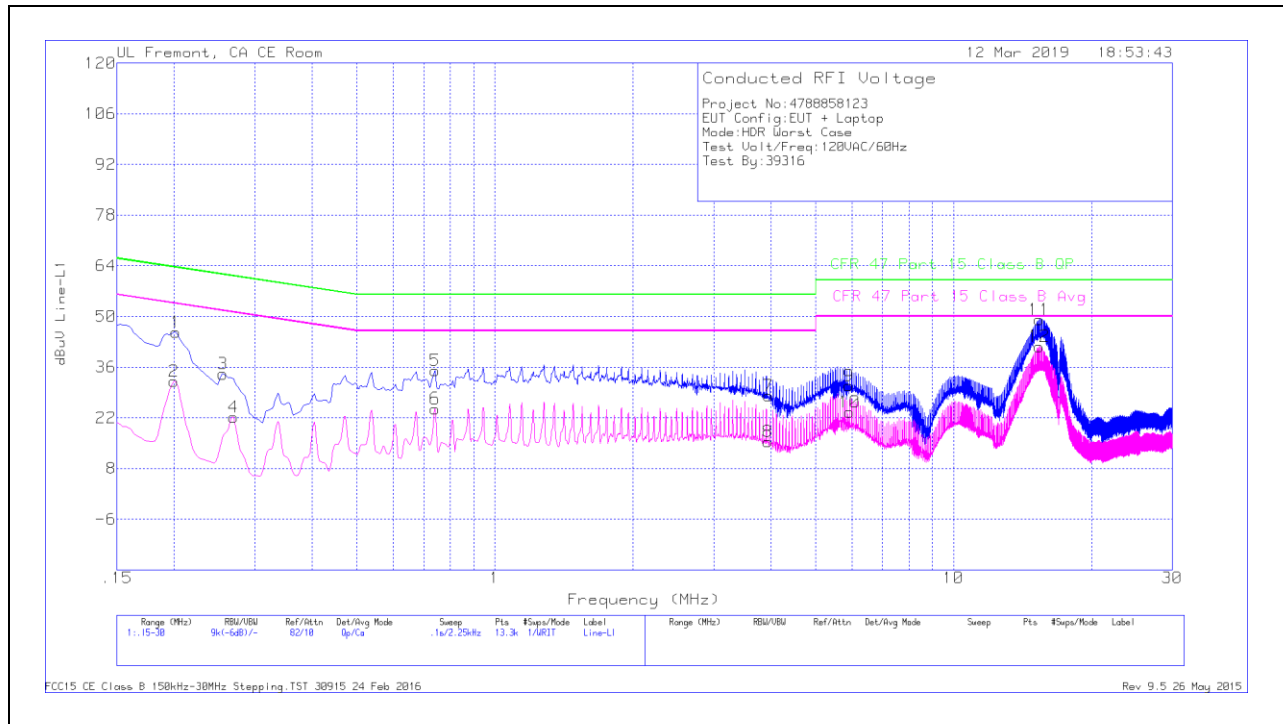
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

### RESULTS

## 10.1. AC Power Line Host

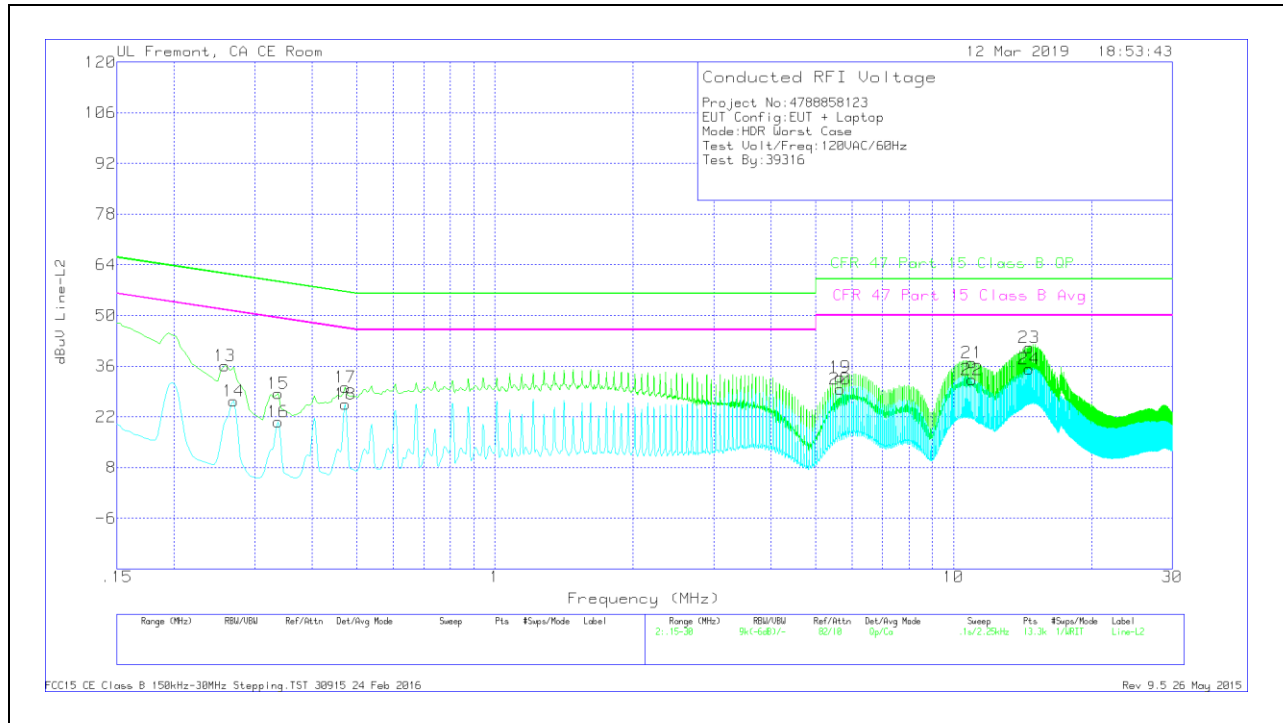
### LINE 1 RESULTS



| Range 1: Line-L1 .15 - 30MHz |                 |                      |     |         |                 |              |                        |                           |                |                            |                      |
|------------------------------|-----------------|----------------------|-----|---------|-----------------|--------------|------------------------|---------------------------|----------------|----------------------------|----------------------|
| Marker                       | Frequency (MHz) | Meter Reading (dBUV) | Det | LISN L1 | LC Cables C1&C3 | Limiter (dB) | Corrected Reading dBUV | CFR 47 Part 15 Class B QP | QP Margin (dB) | CFR 47 Part 15 Class B Avg | Av(CISPR)Margin (dB) |
| 1                            | .20175          | 35.6                 | Qp  | 0       | 0               | 10.1         | 45.7                   | 63.54                     | -17.84         | -                          | -                    |
| 2                            | .1995           | 22                   | Ca  | 0       | 0               | 10.1         | 32.1                   | -                         | -              | 53.63                      | -21.53               |
| 3                            | .25575          | 24                   | Qp  | 0       | 0               | 10.1         | 34.1                   | 61.57                     | -27.47         | -                          | -                    |
| 4                            | .26925          | 12.04                | Ca  | 0       | 0               | 10.1         | 22.14                  | -                         | -              | 51.14                      | -29                  |
| 5                            | .74175          | 25                   | Qp  | 0       | 0               | 10.1         | 35.1                   | 56                        | -20.9          | -                          | -                    |
| 6                            | .74175          | 14.43                | Ca  | 0       | 0               | 10.1         | 24.53                  | -                         | -              | 46                         | -21.47               |
| 7                            | 3.94575         | 17.92                | Qp  | 0       | .1              | 10.1         | 28.12                  | 56                        | -27.88         | -                          | -                    |
| 8                            | 3.9435          | 5.16                 | Ca  | 0       | .1              | 10.1         | 15.36                  | -                         | -              | 46                         | -30.64               |
| 9                            | 5.91225         | 20.43                | Qp  | 0       | .2              | 10.2         | 30.83                  | 60                        | -29.17         | -                          | -                    |
| 10                           | 5.92575         | 13.14                | Ca  | 0       | .2              | 10.2         | 23.54                  | -                         | -              | 50                         | -26.46               |
| 11                           | 15.3645         | 38.55                | Qp  | .1      | .3              | 10.2         | 49.15                  | 60                        | -10.85         | -                          | -                    |
| 12                           | 15.3645         | 31.14                | Ca  | .1      | .3              | 10.2         | 41.74                  | -                         | -              | 50                         | -8.26                |

Qp - Quasi-Peak detector  
Ca - CISPR average detection

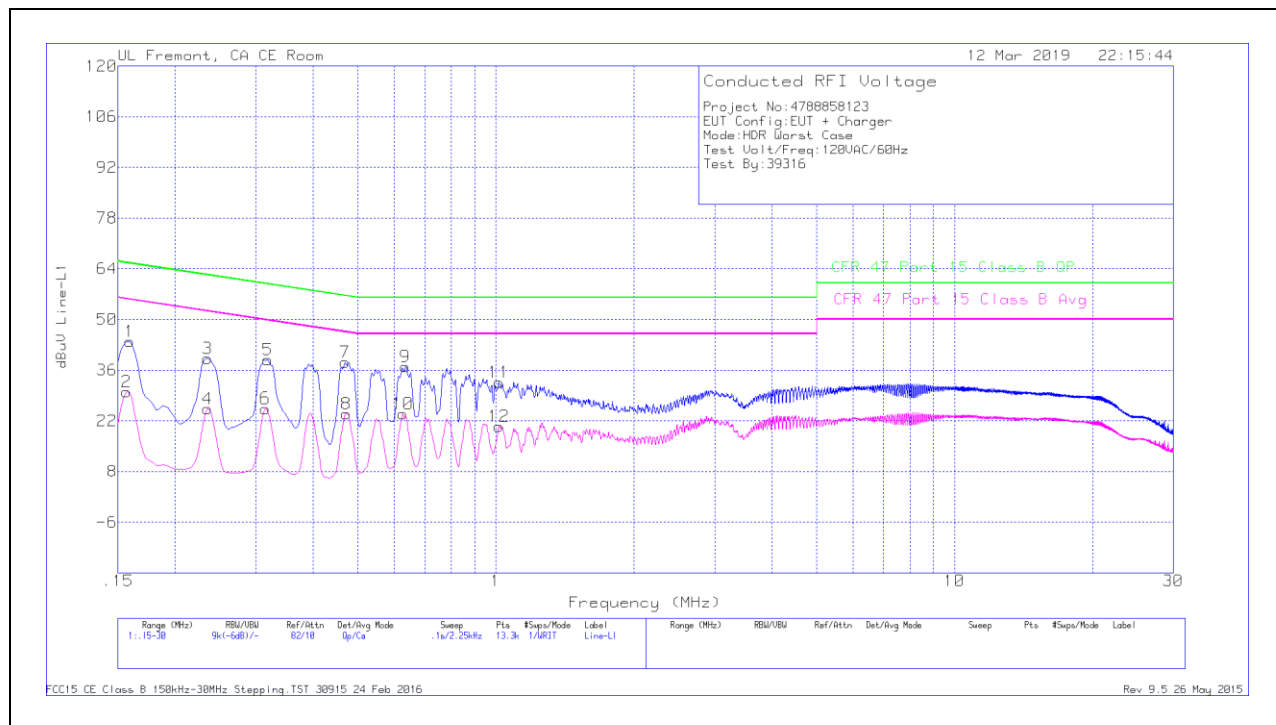
## LINE 2 RESULTS



| Range 2: Line-L2 .15 - 30MHz |                 |                      |     |         |                 |              |                        |                           |                |                            |                      |
|------------------------------|-----------------|----------------------|-----|---------|-----------------|--------------|------------------------|---------------------------|----------------|----------------------------|----------------------|
| Marker                       | Frequency (MHz) | Meter Reading (dBuV) | Det | LISN L2 | LC Cables C2&C3 | Limiter (dB) | Corrected Reading dBuV | CFR 47 Part 15 Class B QP | QP Margin (dB) | CFR 47 Part 15 Class B Avg | Av(CISPR)Margin (dB) |
| 13                           | .258            | 25.97                | Qp  | 0       | 0               | 10.1         | 36.07                  | 61.5                      | -25.43         | -                          | -                    |
| 14                           | .26925          | 16.29                | Ca  | 0       | 0               | 10.1         | 26.39                  | -                         | -              | 51.14                      | -24.75               |
| 15                           | .33675          | 18.36                | Qp  | 0       | 0               | 10.1         | 28.46                  | 59.28                     | -30.82         | -                          | -                    |
| 16                           | .33675          | 10.51                | Ca  | 0       | 0               | 10.1         | 20.61                  | -                         | -              | 49.28                      | -28.67               |
| 17                           | .47175          | 20.14                | Qp  | 0       | 0               | 10.1         | 30.24                  | 56.48                     | -26.24         | -                          | -                    |
| 18                           | .47175          | 15.42                | Ca  | 0       | 0               | 10.1         | 25.52                  | -                         | -              | 46.48                      | -20.96               |
| 19                           | 5.658           | 22.49                | Qp  | 0       | .2              | 10.2         | 32.89                  | 60                        | -27.11         | -                          | -                    |
| 20                           | 5.658           | 19.28                | Ca  | 0       | .2              | 10.2         | 29.68                  | -                         | -              | 50                         | -20.32               |
| 21                           | 10.97925        | 26.56                | Qp  | 0       | .2              | 10.2         | 36.96                  | 60                        | -23.04         | -                          | -                    |
| 22                           | 10.97925        | 21.86                | Ca  | 0       | .2              | 10.2         | 32.26                  | -                         | -              | 50                         | -17.74               |
| 23                           | 14.61525        | 30.49                | Qp  | .1      | .3              | 10.2         | 41.09                  | 60                        | -18.91         | -                          | -                    |
| 24                           | 14.61525        | 24.59                | Ca  | .1      | .3              | 10.2         | 35.19                  | -                         | -              | 50                         | -14.81               |

Qp - Quasi-Peak detector

Ca - CISPR average detection

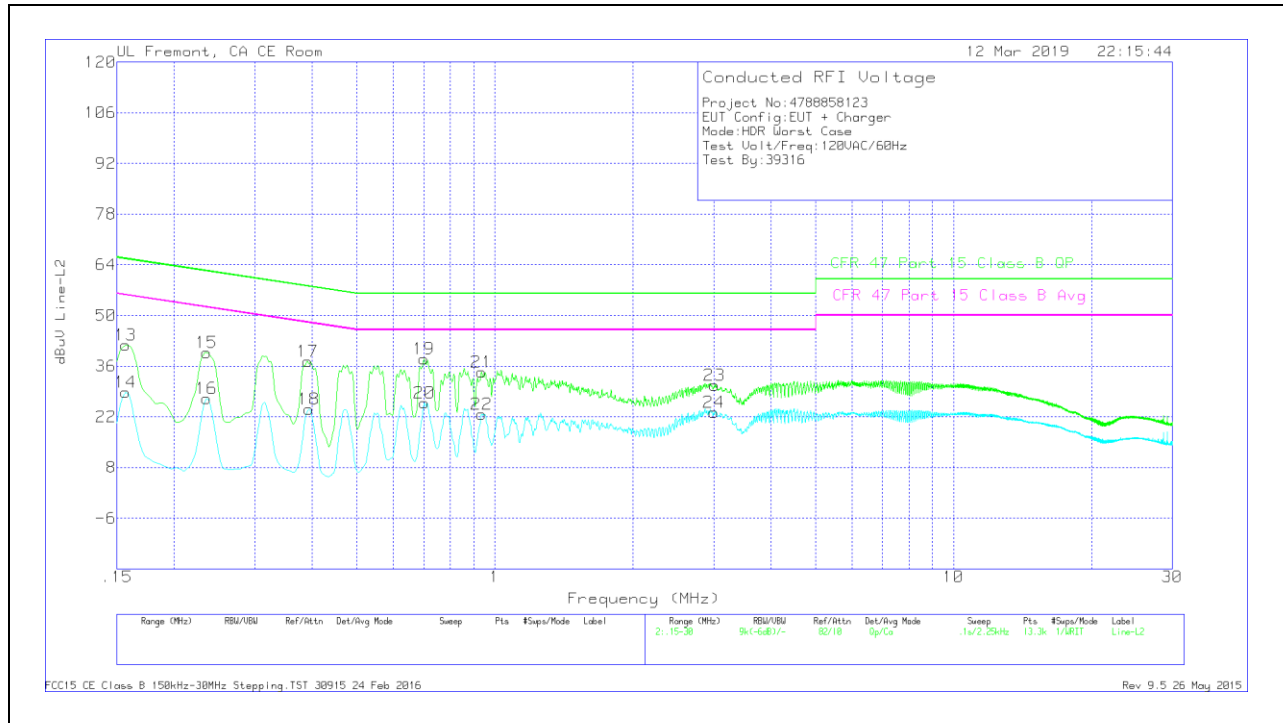
**10.2. AC Power Line Norm****LINE 1 RESULTS**

| Range 1: Line-L1 .15 - 30MHz |                 |                      |     |         |                 |              |                        |                           |                |                            |                      |
|------------------------------|-----------------|----------------------|-----|---------|-----------------|--------------|------------------------|---------------------------|----------------|----------------------------|----------------------|
| Marker                       | Frequency (MHz) | Meter Reading (dBuV) | Det | LISN L1 | LC Cables C1&C3 | Limiter (dB) | Corrected Reading dBuV | CFR 47 Part 15 Class B QP | QP Margin (dB) | CFR 47 Part 15 Class B Avg | Av(CISPR)Margin (dB) |
| 1                            | .159            | 33.7                 | Qp  | .1      | 0               | 10.1         | 43.9                   | 65.52                     | -21.62         | -                          | -                    |
| 2                            | .15675          | 19.83                | Ca  | .1      | 0               | 10.1         | 30.03                  | -                         | -              | 55.63                      | -25.6                |
| 3                            | .2355           | 29.1                 | Qp  | 0       | 0               | 10.1         | 39.2                   | 62.25                     | -23.05         | -                          | -                    |
| 4                            | .2355           | 15.26                | Ca  | 0       | 0               | 10.1         | 25.36                  | -                         | -              | 52.25                      | -26.89               |
| 5                            | .31875          | 28.7                 | Qp  | 0       | 0               | 10.1         | 38.8                   | 59.74                     | -20.94         | -                          | -                    |
| 6                            | .31425          | 15.3                 | Ca  | 0       | 0               | 10.1         | 25.4                   | -                         | -              | 49.86                      | -24.46               |
| 7                            | .4695           | 28.09                | Qp  | 0       | 0               | 10.1         | 38.19                  | 56.52                     | -18.33         | -                          | -                    |
| 8                            | .47175          | 13.89                | Ca  | 0       | 0               | 10.1         | 23.99                  | -                         | -              | 46.48                      | -22.49               |
| 9                            | .636            | 26.79                | Qp  | 0       | 0               | 10.1         | 36.89                  | 56                        | -19.11         | -                          | -                    |
| 10                           | .627            | 13.83                | Ca  | 0       | 0               | 10.1         | 23.93                  | -                         | -              | 46                         | -22.07               |
| 11                           | 1.01625         | 22.36                | Qp  | 0       | .1              | 10.1         | 32.56                  | 56                        | -23.44         | -                          | -                    |
| 12                           | 1.01625         | 10.23                | Ca  | 0       | .1              | 10.1         | 20.43                  | -                         | -              | 46                         | -25.57               |

Qp - Quasi-Peak detector

Ca - CISPR average detection

## LINE 2 RESULTS



| Range 2: Line-L2 .15 - 30MHz |                 |                      |     |         |                 |              |                        |                           |                |                            |                      |
|------------------------------|-----------------|----------------------|-----|---------|-----------------|--------------|------------------------|---------------------------|----------------|----------------------------|----------------------|
| Marker                       | Frequency (MHz) | Meter Reading (dBuV) | Det | LISN L2 | LC Cables C2&C3 | Limiter (dB) | Corrected Reading dBuV | CFR 47 Part 15 Class B QP | QP Margin (dB) | CFR 47 Part 15 Class B Avg | Av(CISPR)Margin (dB) |
| 13                           | .15675          | 31.64                | Qp  | .1      | 0               | 10.1         | 41.84                  | 65.63                     | -23.79         | -                          | -                    |
| 14                           | .15675          | 18.58                | Ca  | .1      | 0               | 10.1         | 28.78                  | -                         | -              | 55.63                      | -26.85               |
| 15                           | .2355           | 29.57                | Qp  | 0       | 0               | 10.1         | 39.67                  | 62.25                     | -22.58         | -                          | -                    |
| 16                           | .2355           | 17.01                | Ca  | 0       | 0               | 10.1         | 27.11                  | -                         | -              | 52.25                      | -25.14               |
| 17                           | .39075          | 27.22                | Qp  | 0       | 0               | 10.1         | 37.32                  | 58.05                     | -20.73         | -                          | -                    |
| 18                           | .393            | 14.01                | Ca  | 0       | 0               | 10.1         | 24.11                  | -                         | -              | 48                         | -23.89               |
| 19                           | .70125          | 27.88                | Qp  | 0       | 0               | 10.1         | 37.98                  | 56                        | -18.02         | -                          | -                    |
| 20                           | .7035           | 15.66                | Ca  | 0       | 0               | 10.1         | 25.76                  | -                         | -              | 46                         | -20.24               |
| 21                           | .93525          | 24.22                | Qp  | 0       | .1              | 10.1         | 34.42                  | 56                        | -21.58         | -                          | -                    |
| 22                           | .93525          | 12.56                | Ca  | 0       | .1              | 10.1         | 22.76                  | -                         | -              | 46                         | -23.24               |
| 23                           | 3.01425         | 20.47                | Qp  | 0       | .1              | 10.1         | 30.67                  | 56                        | -25.33         | -                          | -                    |
| 24                           | 3.003           | 12.96                | Ca  | 0       | .1              | 10.1         | 23.16                  | -                         | -              | 46                         | -22.84               |

Qp - Quasi-Peak detector  
Ca - CISPR average detection

## **11. SETUP PHOTOS**

Please refer to 12696946-EP1V1 for setup photos

**END OF TEST REPORT**