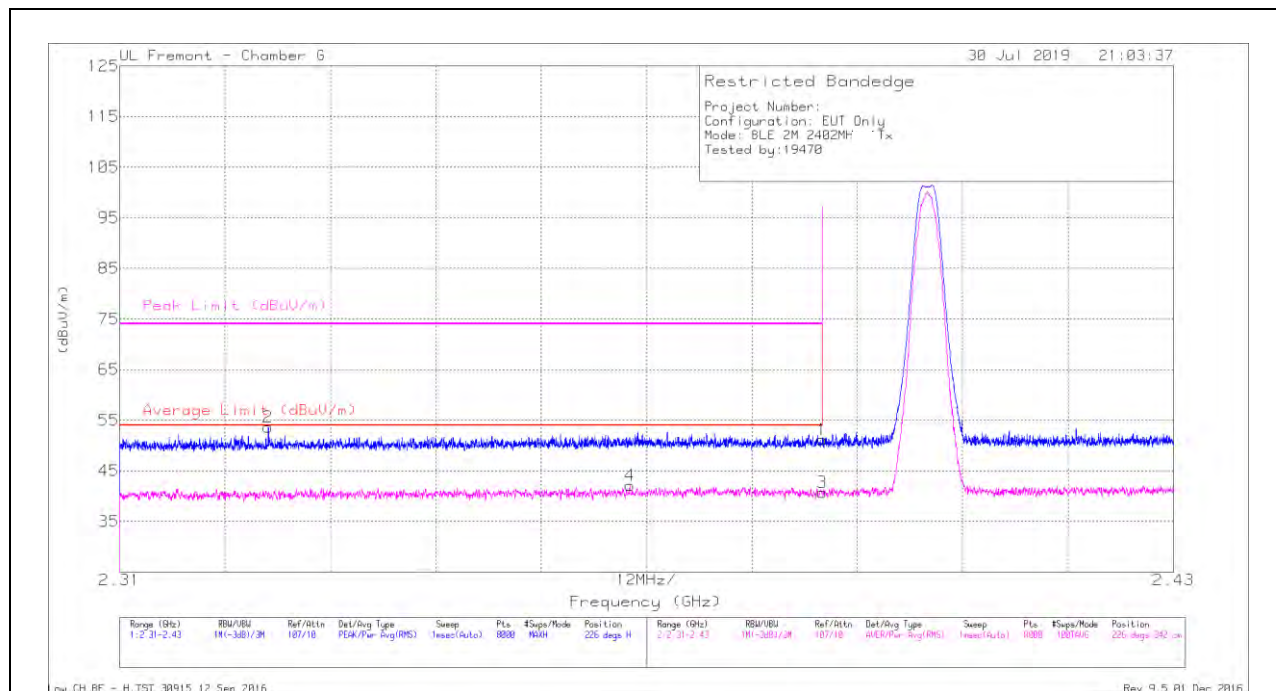


**Antenna 3**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**

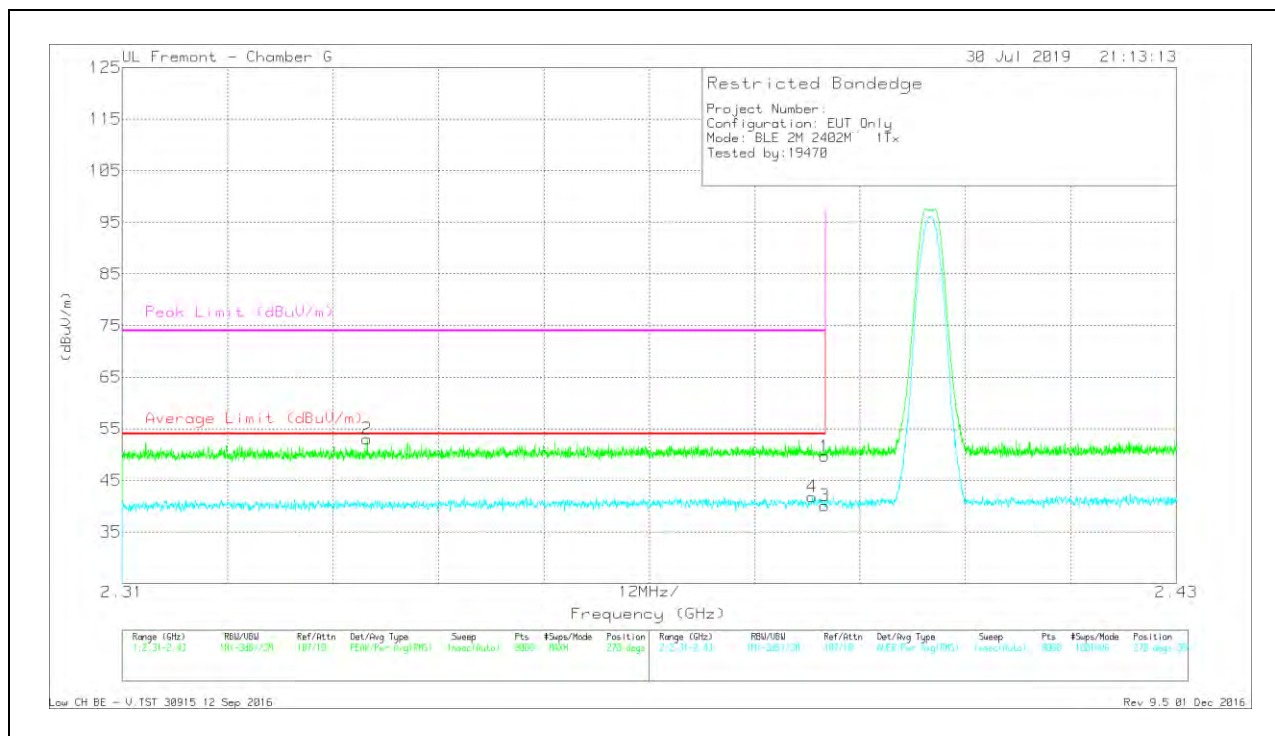


\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT

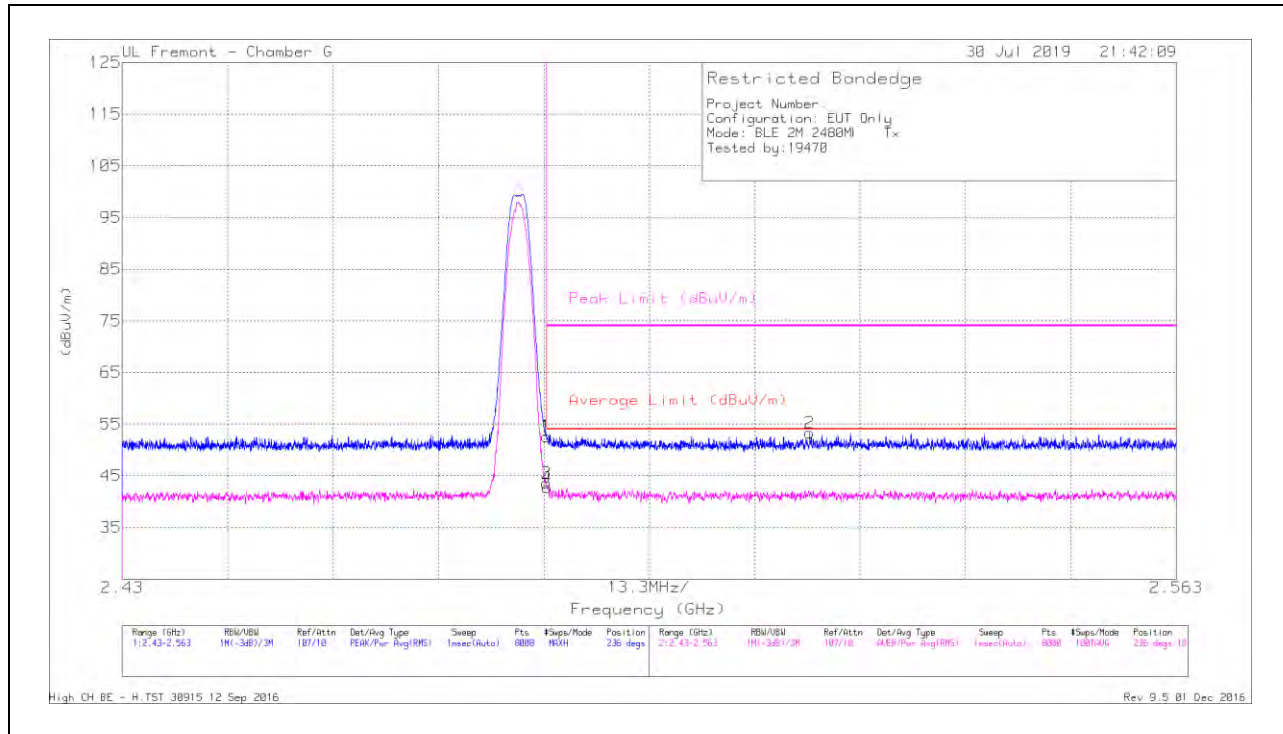


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/Cb/Filt/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 2.338         | 43.61                | Pk  | 31.7           | -22.3                | 53.01                      | -                      | -           | 74                  | -20.99         | 270            | 386         | V        |
| 4      | * 2.389         | 32.11                | RMS | 31.9           | -22.2                | 41.81                      | 54                     | -12.19      | -                   | -              | 270            | 386         | V        |
| 1      | * 2.39          | 40                   | Pk  | 31.9           | -22.2                | 49.7                       | -                      | -           | 74                  | -24.3          | 270            | 386         | V        |
| 3      | * 2.39          | 30.43                | RMS | 31.9           | -22.2                | 40.13                      | 54                     | -13.87      | -                   | -              | 270            | 386         | V        |

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

Pk - Peak detector

RMS - RMS detection

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

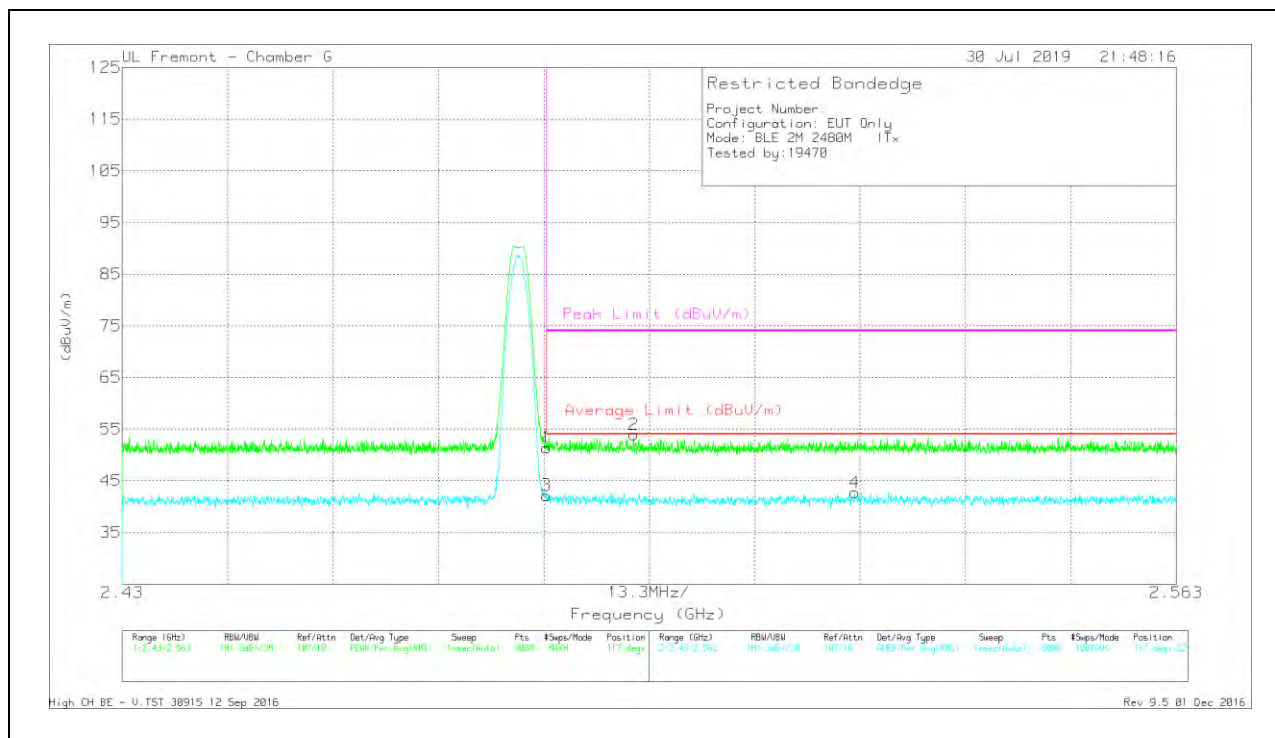
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 42.2                 | Pk  | 32.5           | -22.1                  | 52.6                       | -                      | -           | 74                  | -21.4          | 236            | 181         | H        |
| 3      | * 2.484         | 33.16                | RMS | 32.5           | -22.1                  | 43.56                      | 54                     | -10.44      | -                   | -              | 236            | 181         | H        |
| 4      | * 2.484         | 32.34                | RMS | 32.5           | -22.1                  | 42.74                      | 54                     | -11.26      | -                   | -              | 236            | 181         | H        |
| 2      | 2.517           | 42.99                | Pk  | 32.5           | -22.2                  | 53.29                      | -                      | -           | 74                  | -20.71         | 236            | 181         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T136 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 41                   | Pk  | 32.5           | -22.1                  | 51.4                       | -                      | -           | 74                  | -22.6          | 117            | 229         | V        |
| 2      | * 2.495         | 43.6                 | Pk  | 32.5           | -22.2                  | 53.9                       | -                      | -           | 74                  | -20.1          | 117            | 229         | V        |
| 3      | * 2.484         | 31.77                | RMS | 32.5           | -22.1                  | 42.17                      | 54                     | -11.83      | -                   | -              | 117            | 229         | V        |
| 4      | 2.522           | 32.41                | RMS | 32.4           | -22.1                  | 42.71                      | 54                     | -11.29      | -                   | -              | 117            | 229         | V        |

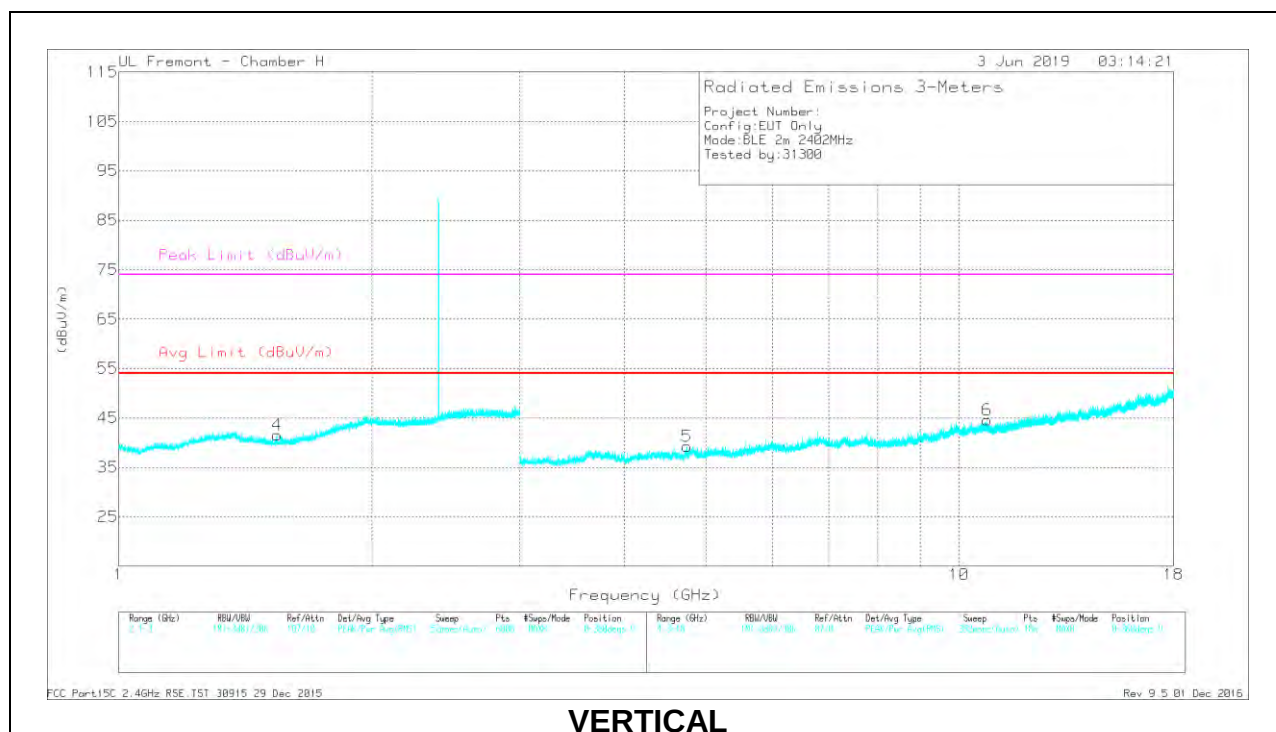
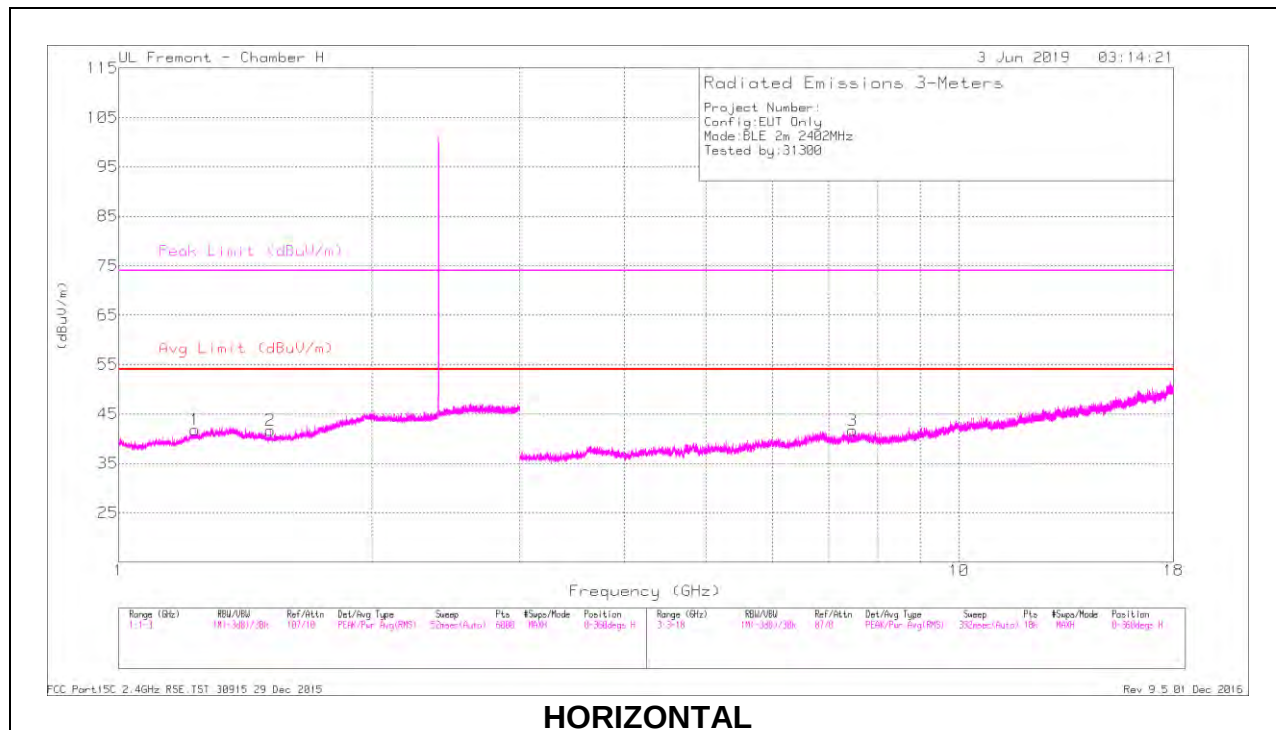
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



## RADIATED EMISSIONS

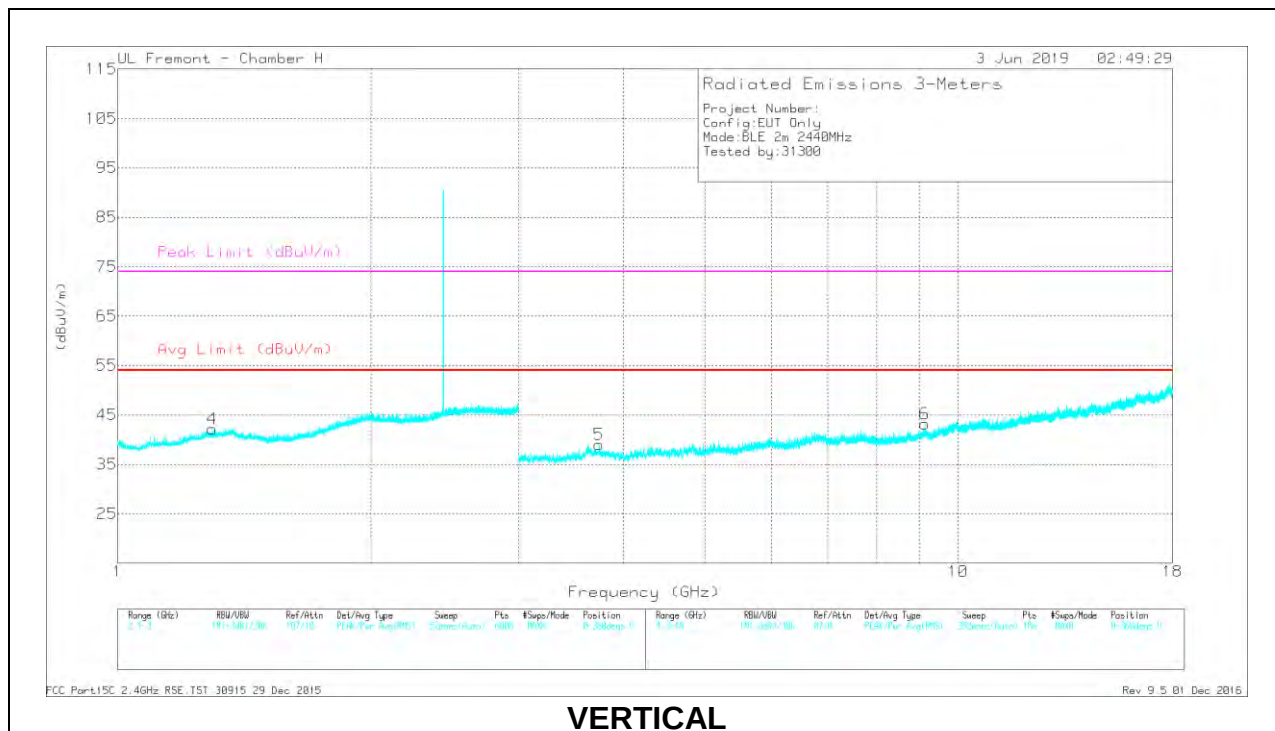
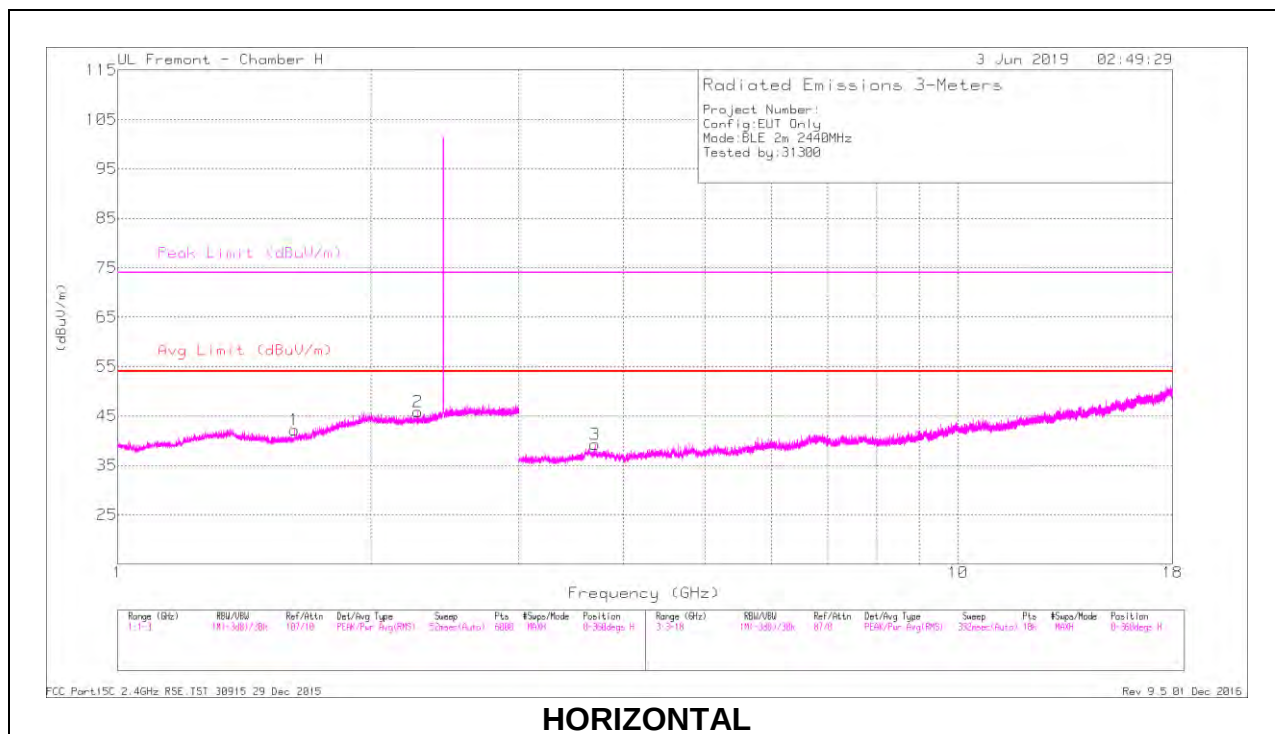
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T136 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.235         | 45.65                | PK2  | 28.7           | -25.5                 | 48.85                      | -                  | -           | 74                  | -25.15         | 90             | 100         | H        |
|        | * 1.234         | 33.56                | MAv1 | 28.7           | -25.5                 | 36.76                      | 54                 | -17.24      | -                   | -              | 90             | 100         | H        |
| 2      | * 1.517         | 44.52                | PK2  | 27.9           | -24.8                 | 47.62                      | -                  | -           | 74                  | -26.38         | 136            | 113         | H        |
|        | * 1.514         | 33.29                | MAv1 | 27.9           | -24.8                 | 36.39                      | 54                 | -17.61      | -                   | -              | 136            | 113         | H        |
| 4      | * 1.541         | 45.03                | PK2  | 28.1           | -24.8                 | 48.33                      | -                  | -           | 74                  | -25.67         | 85             | 102         | V        |
|        | * 1.542         | 33.25                | MAv1 | 28.1           | -24.8                 | 36.55                      | 54                 | -17.45      | -                   | -              | 85             | 102         | V        |
| 3      | * 7.472         | 38.65                | PK2  | 36.5           | -27.5                 | 47.65                      | -                  | -           | 74                  | -26.35         | 126            | 100         | H        |
|        | * 7.474         | 27.37                | MAv1 | 36.5           | -27.4                 | 36.47                      | 54                 | -17.53      | -                   | -              | 126            | 100         | H        |
| 5      | * 4.747         | 41.69                | PK2  | 34             | -30                   | 45.69                      | -                  | -           | 74                  | -28.31         | 70             | 271         | V        |
|        | * 4.745         | 30.83                | MAv1 | 34             | -30                   | 34.83                      | 54                 | -19.17      | -                   | -              | 70             | 271         | V        |
| 6      | * 10.811        | 35.42                | PK2  | 37.8           | -22.4                 | 50.82                      | -                  | -           | 74                  | -23.18         | 20             | 165         | V        |
|        | * 10.813        | 24.26                | MAv1 | 37.8           | -22.5                 | 39.56                      | 54                 | -14.44      | -                   | -              | 20             | 165         | 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

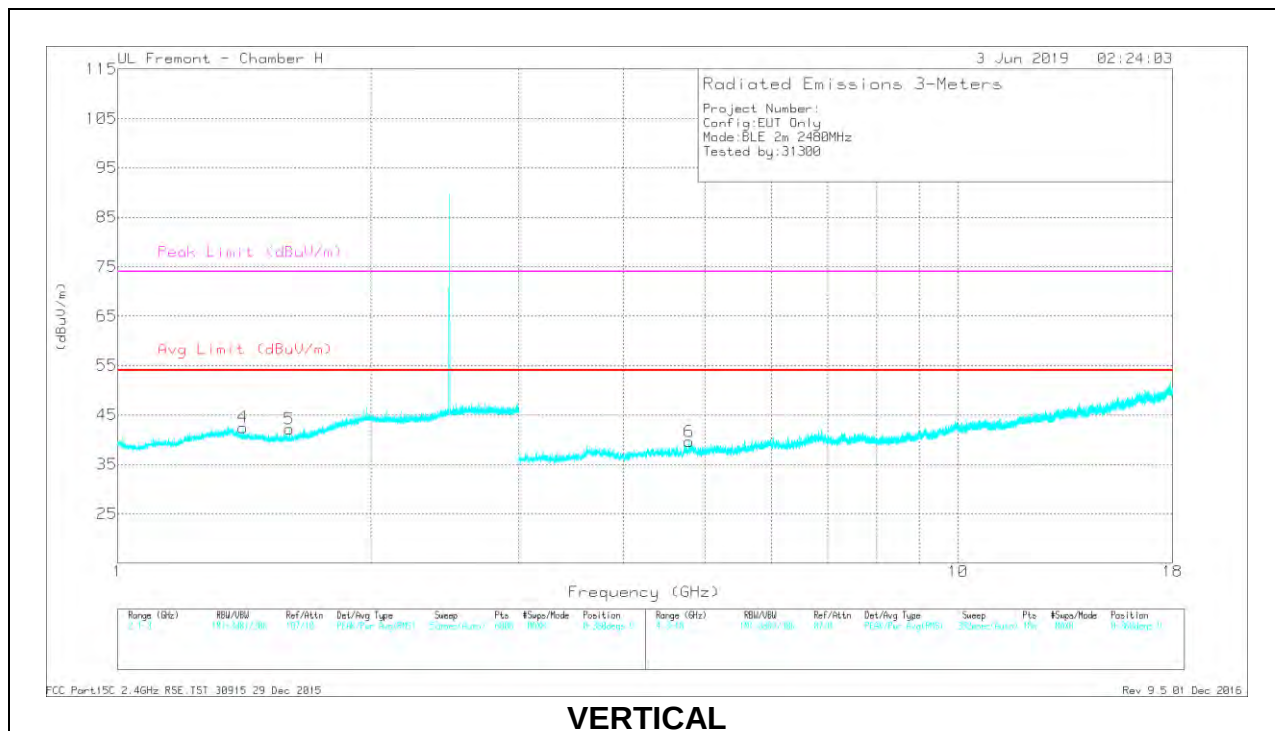
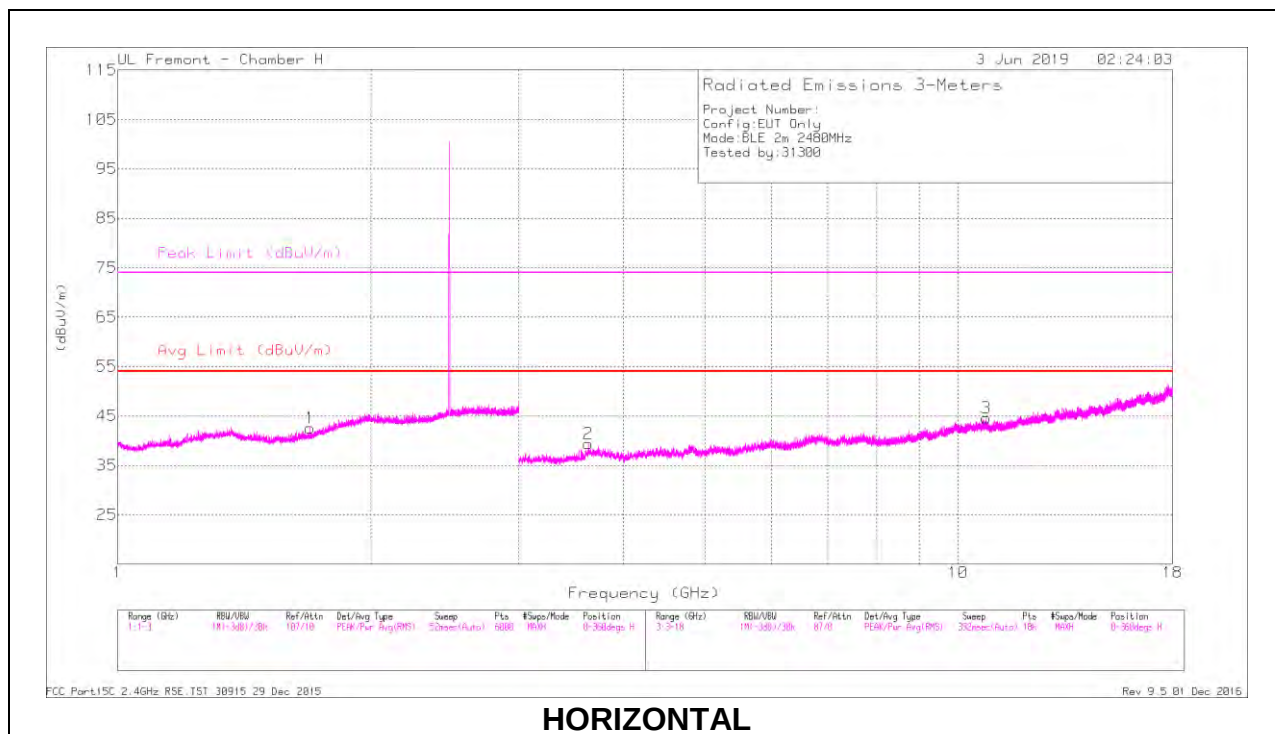
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T136 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.623         | 44.91                | PK2  | 28.2           | -24.6                 | 48.51                      | -                  | -           | 74                  | -25.49         | 20             | 100         | H        |
|        | * 1.622         | 33.29                | MAv1 | 28.2           | -24.6                 | 36.89                      | 54                 | -17.11      | -                   | -              | 20             | 100         | H        |
| 2      | * 2.274         | 44.14                | PK2  | 31.3           | -23.7                 | 51.74                      | -                  | -           | 74                  | -22.26         | 79             | 100         | H        |
|        | * 2.274         | 32.77                | MAv1 | 31.3           | -23.7                 | 40.37                      | 54                 | -13.63      | -                   | -              | 79             | 100         | H        |
| 4      | * 1.297         | 45.17                | PK2  | 29.2           | -25.4                 | 48.97                      | -                  | -           | 74                  | -25.03         | 190            | 130         | V        |
|        | * 1.294         | 33.5                 | MAv1 | 29.3           | -25.4                 | 37.4                       | 54                 | -16.6       | -                   | -              | 190            | 130         | V        |
| 3      | * 3.699         | 41.27                | PK2  | 33.1           | -30.4                 | 43.97                      | -                  | -           | 74                  | -30.03         | 223            | 167         | H        |
|        | * 3.698         | 30.63                | MAv1 | 33.1           | -30.3                 | 33.43                      | 54                 | -20.57      | -                   | -              | 223            | 167         | H        |
| 5      | * 3.737         | 43.03                | PK2  | 33.3           | -30.9                 | 45.43                      | -                  | -           | 74                  | -28.57         | 157            | 215         | V        |
|        | * 3.74          | 31.2                 | MAv1 | 33.3           | -30.9                 | 33.6                       | 54                 | -20.4       | -                   | -              | 157            | 215         | V        |
| 6      | * 9.14          | 36.55                | PK2  | 36.2           | -23.8                 | 48.95                      | -                  | -           | 74                  | -25.05         | 73             | 272         | V        |
|        | * 9.138         | 25.36                | MAv1 | 36.2           | -23.8                 | 37.76                      | 54                 | -16.24      | -                   | -              | 73             | 272         | 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      | * 1.695         | 45.24                | PK2  | 28.5           | -24.5                 | 49.24                      | -                  | -           | 74                  | -24.76         | 75             | 100         | H        |
|        | * 1.693         | 33.02                | MAv1 | 28.5           | -24.5                 | 37.02                      | 54                 | -16.98      | -                   | -              | 75             | 100         | H        |
| 4      | * 1.411         | 45.28                | PK2  | 28.7           | -25.1                 | 48.88                      | -                  | -           | 74                  | -25.12         | 26             | 122         | V        |
|        | * 1.409         | 33.41                | MAv1 | 28.7           | -25.1                 | 37.01                      | 54                 | -16.99      | -                   | -              | 26             | 122         | V        |
| 5      | * 1.601         | 45.41                | PK2  | 28             | -24.7                 | 48.71                      | -                  | -           | 74                  | -25.29         | 18             | 152         | V        |
|        | * 1.6           | 33.14                | MAv1 | 28             | -24.7                 | 36.44                      | 54                 | -17.56      | -                   | -              | 18             | 152         | V        |
| 2      | * 3.63          | 41                   | PK2  | 33.1           | -29.6                 | 44.5                       | -                  | -           | 74                  | -29.5          | 161            | 181         | H        |
|        | * 3.633         | 29.92                | MAv1 | 33.1           | -29.6                 | 33.42                      | 54                 | -20.58      | -                   | -              | 161            | 181         | H        |
| 3      | * 10.814        | 35.32                | PK2  | 37.8           | -22.6                 | 50.52                      | -                  | -           | 74                  | -23.48         | 86             | 151         | H        |
|        | * 10.813        | 24.31                | MAv1 | 37.8           | -22.5                 | 39.61                      | 54                 | -14.39      | -                   | -              | 86             | 151         | H        |
| 6      | * 4.785         | 42.54                | PK2  | 34.1           | -30.1                 | 46.54                      | -                  | -           | 74                  | -27.46         | 21             | 121         | V        |
|        | * 4.785         | 31                   | MAv1 | 34.2           | -30.1                 | 35.1                       | 54                 | -18.9       | -                   | -              | 21             | 121         | V        |

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

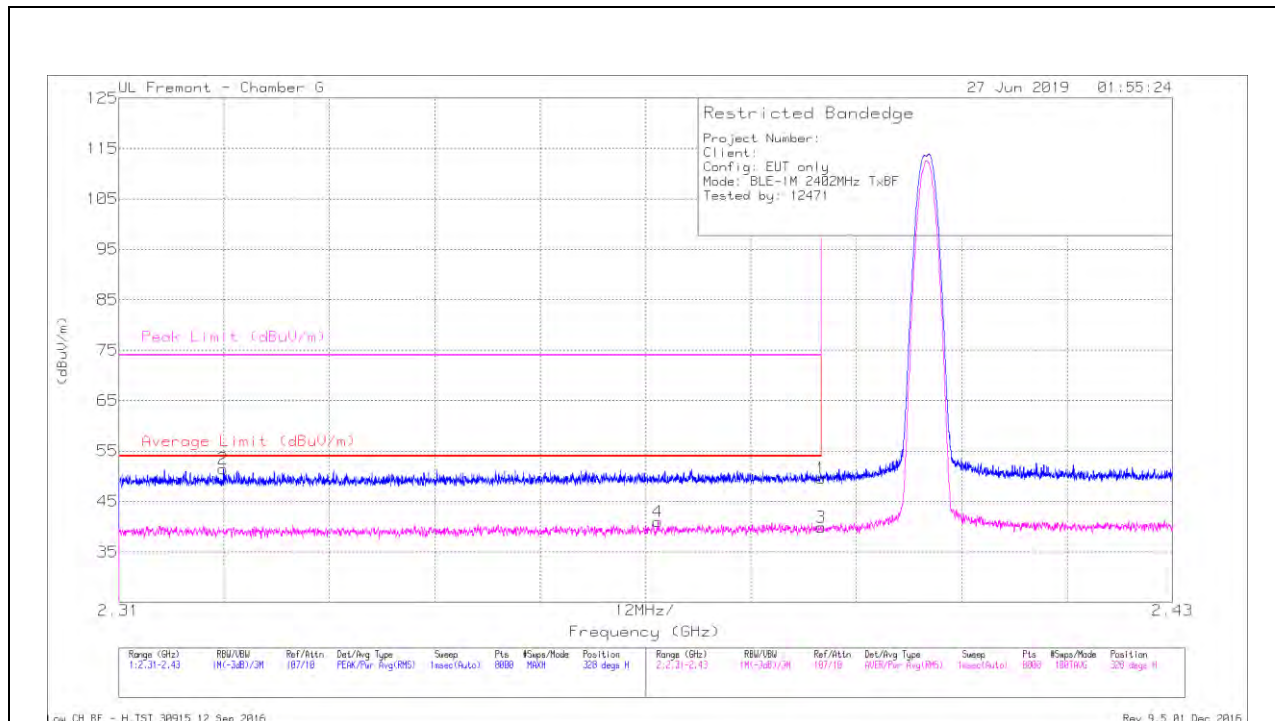
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

## 9.2.5. BEAMFORMING, HIGH POWER BLE (1Mbps)

### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT



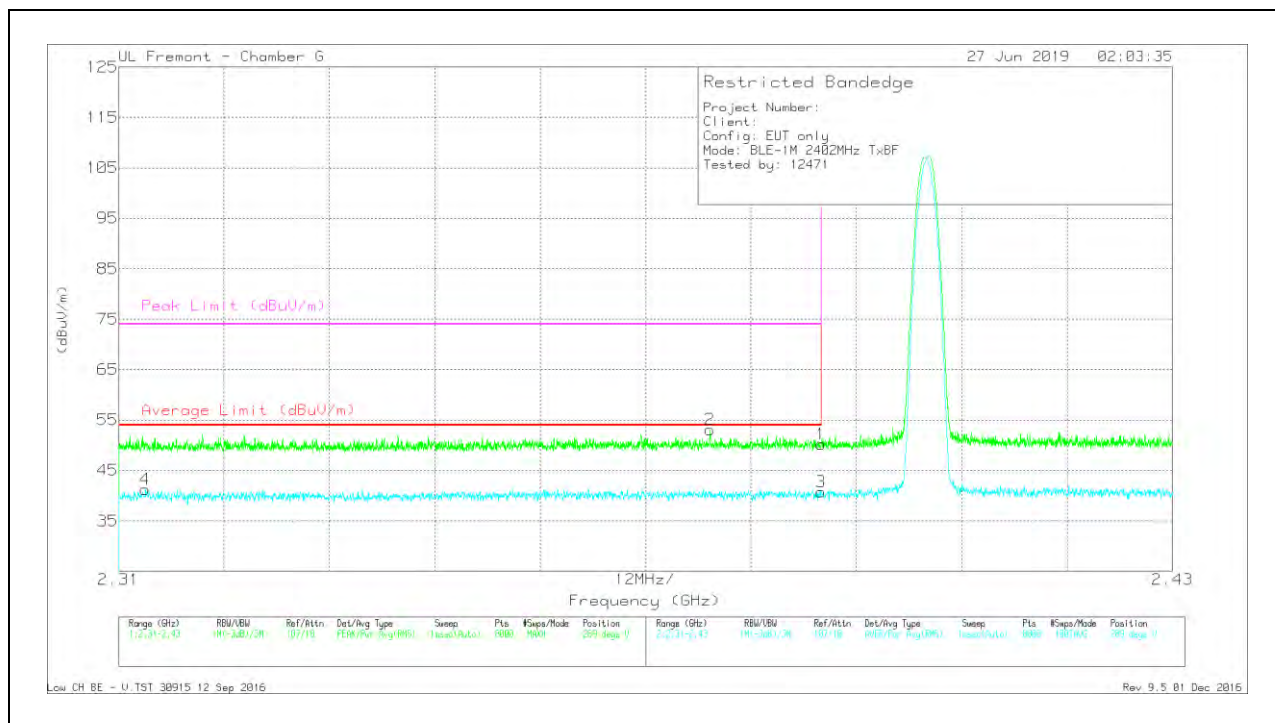
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Ampl/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 39.94                | Pk  | 31.9           | -22.2                   | 49.64                      | -                      | -           | 74                  | -24.36         | 328            | 101         | H        |
| 2      | * 2.322         | 42.16                | Pk  | 31.6           | -22.3                   | 51.46                      | -                      | -           | 74                  | -22.54         | 328            | 101         | H        |
| 3      | * 2.39          | 30.17                | RMS | 31.9           | -22.2                   | 39.87                      | 54                     | -14.13      | -                   | -              | 328            | 101         | H        |
| 4      | * 2.371         | 31.36                | RMS | 31.8           | -22.2                   | 40.96                      | 54                     | -13.04      | -                   | -              | 328            | 101         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT

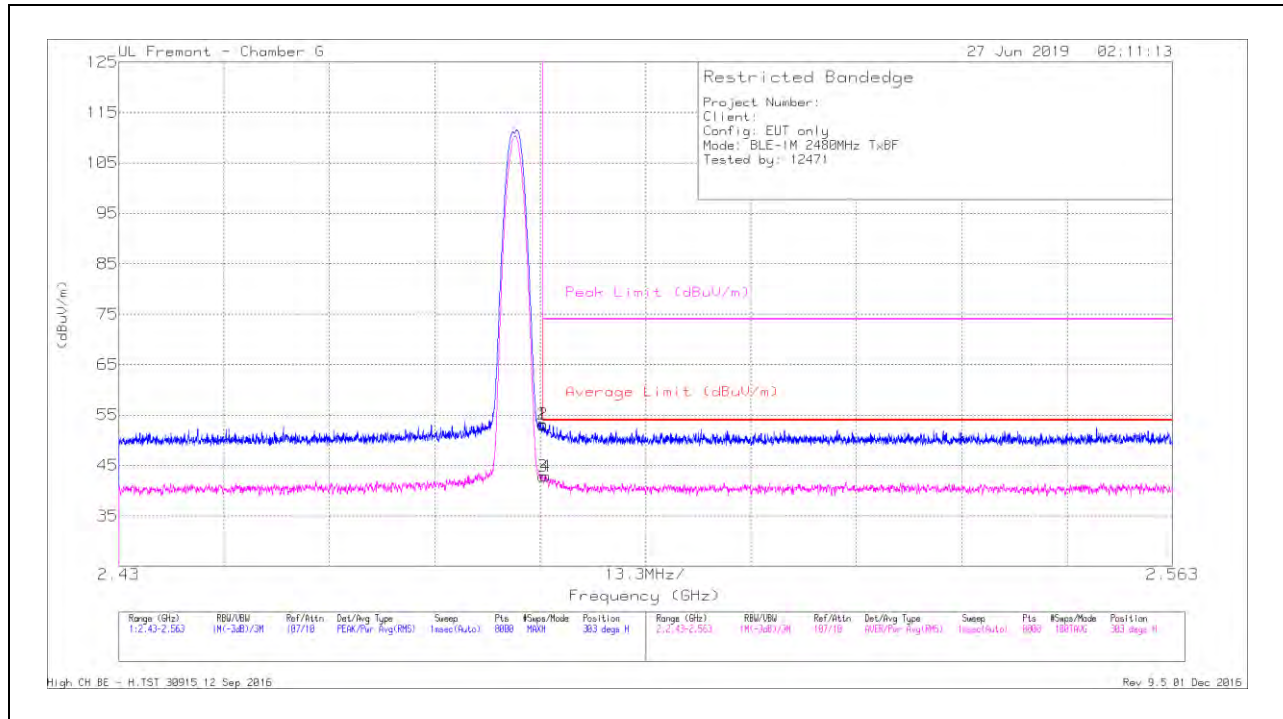


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Ampl/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 40.52                | Pk  | 31.9           | -22.2                   | 50.22                      | -                      | -           | 74                  | -23.78         | 289            | 390         | V        |
| 2      | * 2.377         | 43.46                | Pk  | 31.8           | -22.2                   | 53.06                      | -                      | -           | 74                  | -20.94         | 289            | 390         | V        |
| 3      | * 2.39          | 31.05                | RMS | 31.9           | -22.2                   | 40.75                      | 54                     | -13.25      | -                   | -              | 289            | 390         | V        |
| 4      | * 2.313         | 31.9                 | RMS | 31.7           | -22.3                   | 41.3                       | 54                     | -12.7       | -                   | -              | 289            | 390         | V        |

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

Pk - Peak detector

RMS - RMS detection

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

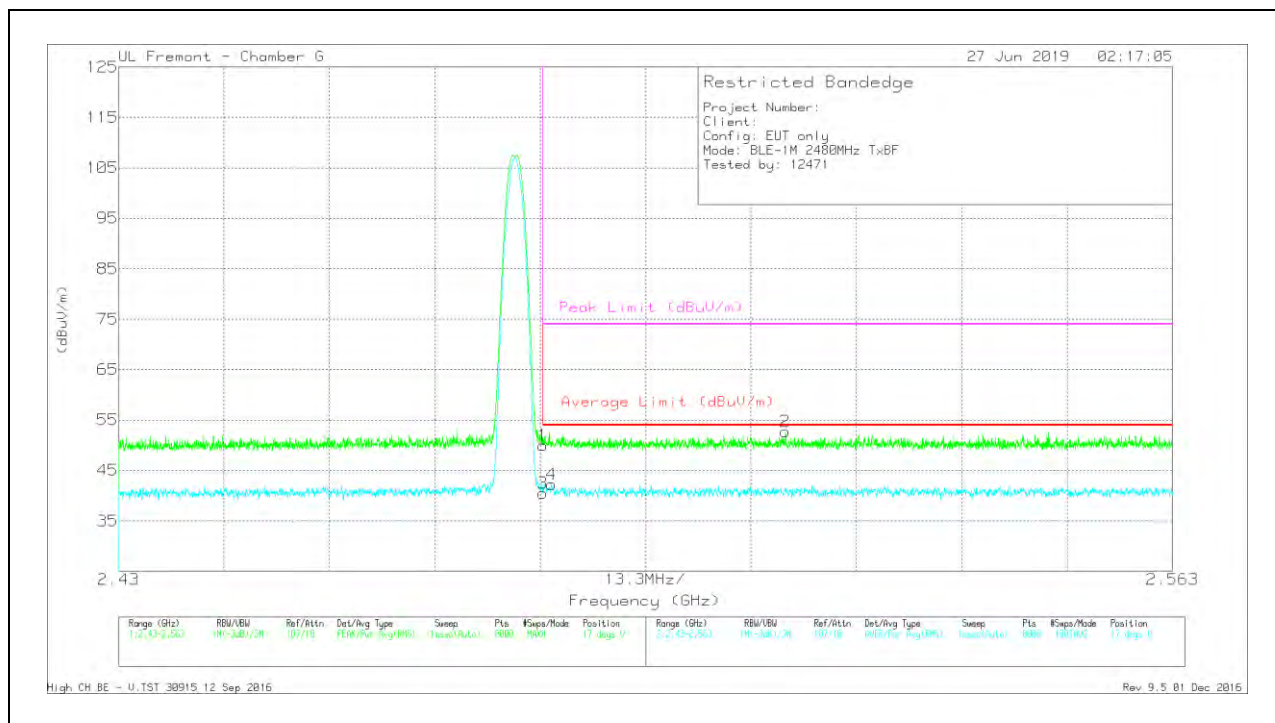
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Ampl/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 42.83                | Pk  | 32.4           | -22.1                   | 53.13                      | -                      | -           | 74                  | -20.87         | 303            | 163         | H        |
| 2      | * 2.484         | 42.88                | Pk  | 32.4           | -22.1                   | 53.18                      | -                      | -           | 74                  | -20.82         | 303            | 163         | H        |
| 3      | * 2.484         | 32.53                | RMS | 32.4           | -22.1                   | 42.83                      | 54                     | -11.17      | -                   | -              | 303            | 163         | H        |
| 4      | * 2.484         | 32.54                | RMS | 32.4           | -22.1                   | 42.84                      | 54                     | -11.16      | -                   | -              | 303            | 163         | 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 T120 (dB/m) | Ampl/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         | 39.71                | Pk  | 32.4           | -22.1                 | 50.01                      | -                      | -           | 74                  | -23.99         | 17             | 403         | V        |
| 3      | * 2.484         | 30.17                | RMS | 32.4           | -22.1                 | 40.47                      | 54                     | -13.53      | -                   | -              | 17             | 403         | V        |
| 4      | * 2.485         | 31.92                | RMS | 32.4           | -22.1                 | 42.22                      | 54                     | -11.78      | -                   | -              | 17             | 403         | V        |
| 2      | 2.514           | 42.51                | Pk  | 32.4           | -22.2                 | 52.71                      | -                      | -           | 74                  | -21.29         | 17             | 403         | V        |

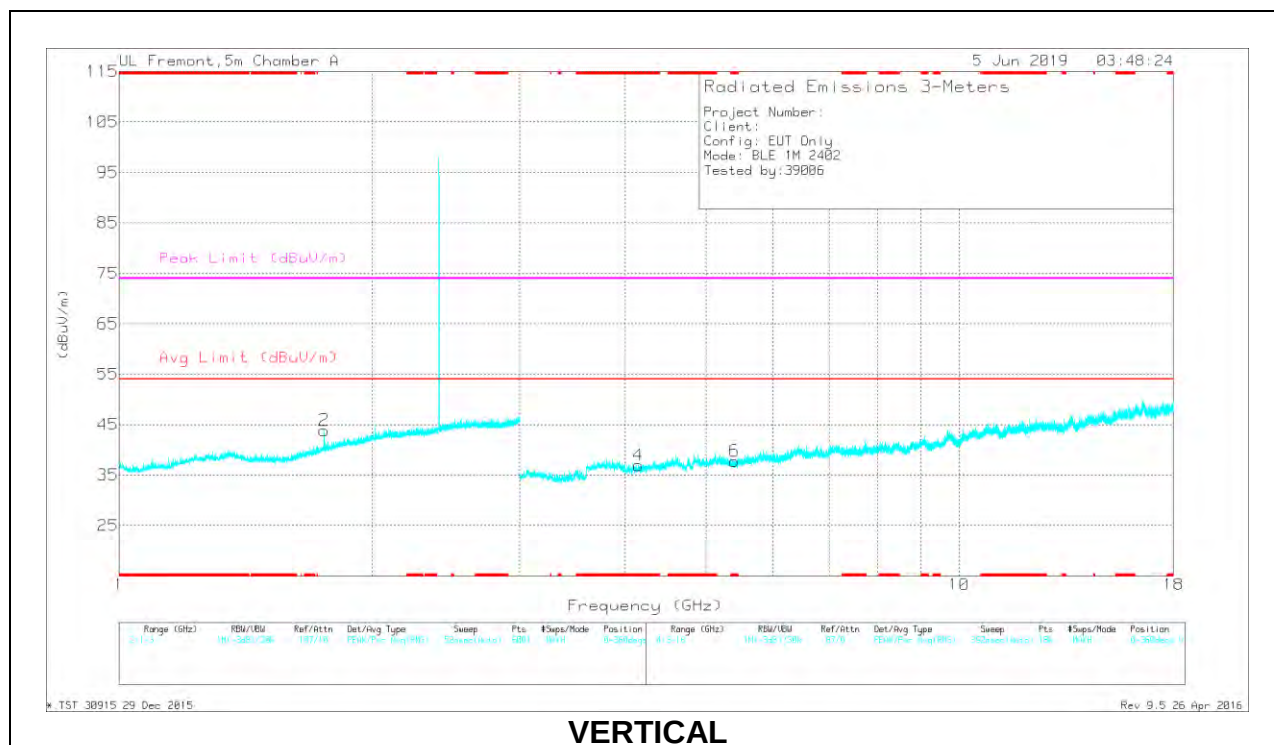
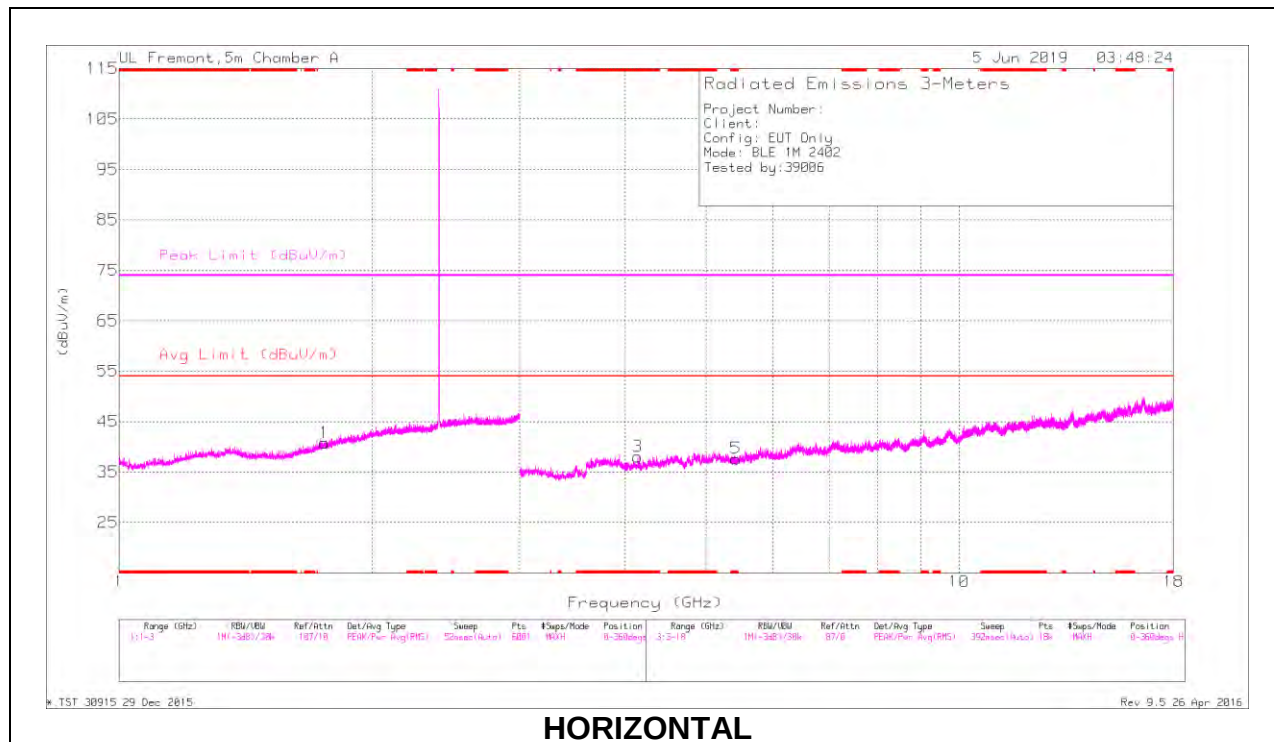
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



## RADIATED EMISSIONS

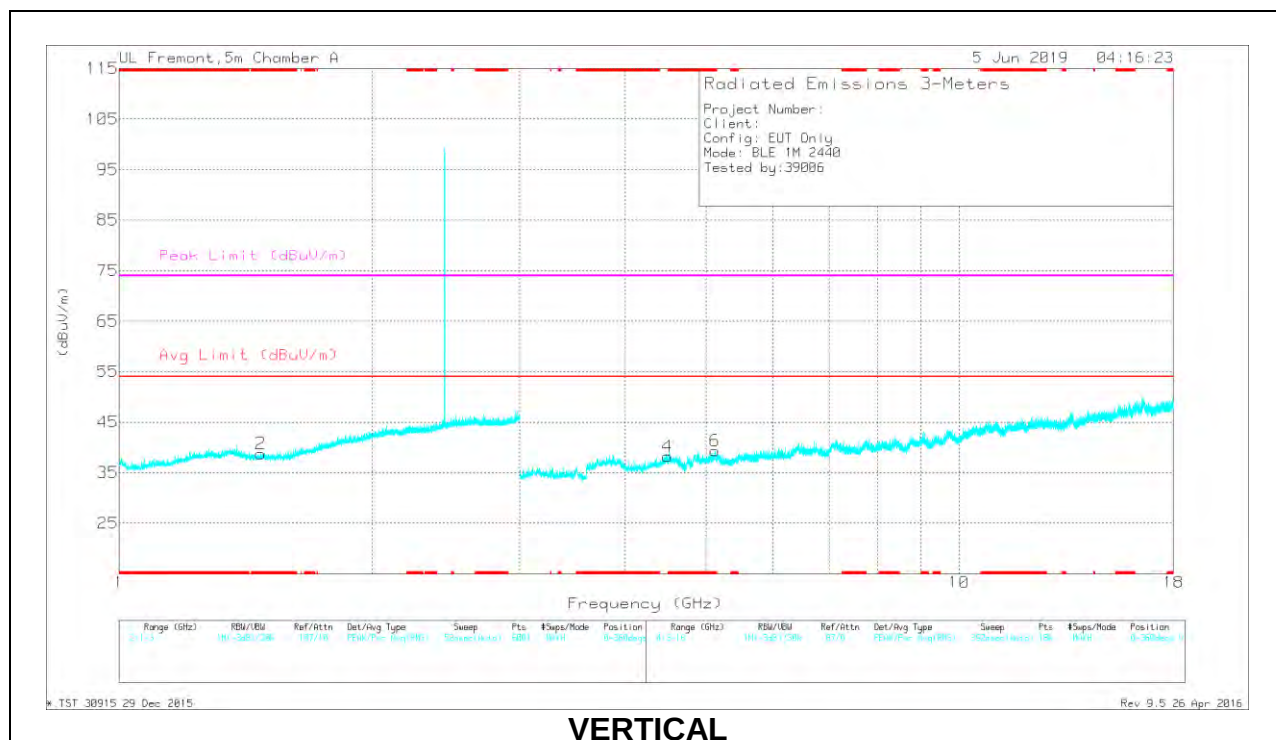
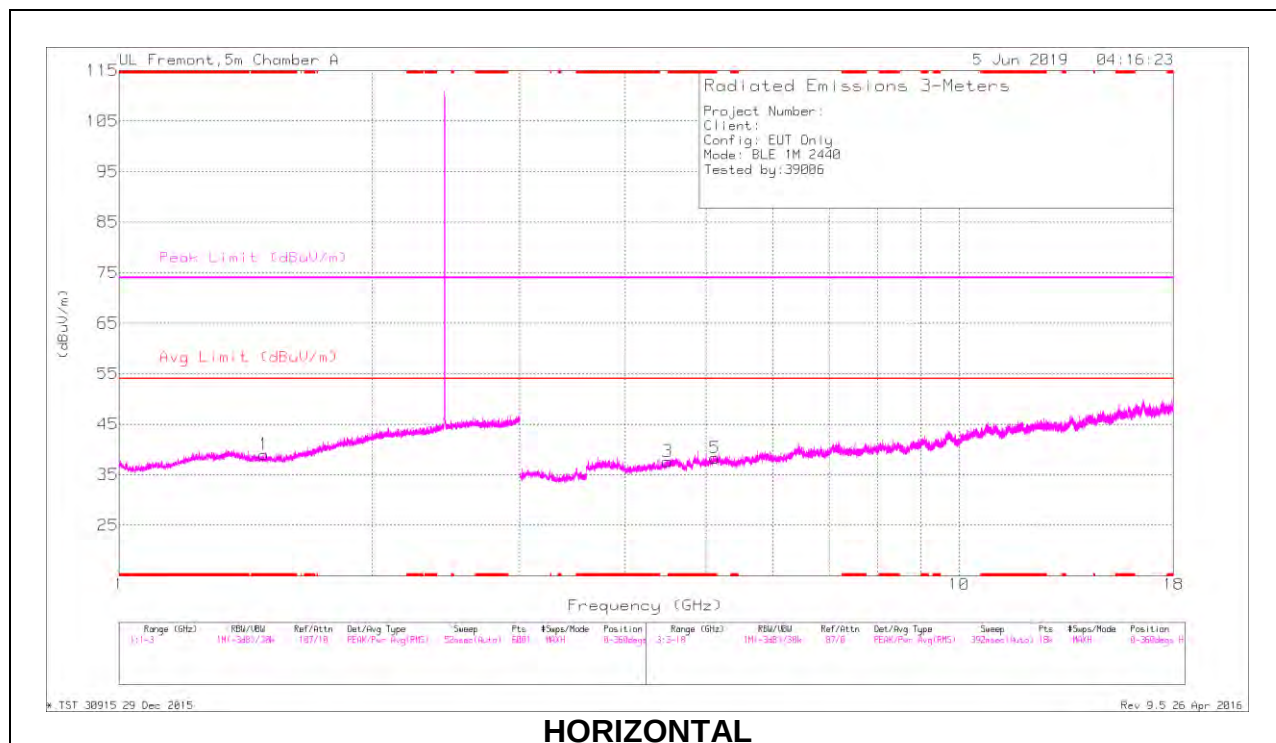
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T346 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| 3      | * 4.143         | 39.61                | PK2  | 33.4           | -28.9                  | 44.11                      | -                  | -           | 74                  | -29.89      | 120            | 150         | H        |
|        | * 4.141         | 29.15                | MAv1 | 33.4           | -28.9                  | 33.65                      | 54                 | -20.35      | -                   | -           | 120            | 150         | H        |
| 5      | * 5.425         | 38.06                | PK2  | 35             | -27.2                  | 45.86                      | -                  | -           | 74                  | -28.14      | 95             | 180         | H        |
|        | * 5.425         | 27.11                | MAv1 | 35             | -27.2                  | 34.91                      | 54                 | -19.09      | -                   | -           | 95             | 180         | H        |
| 4      | * 4.151         | 38.6                 | PK2  | 33.4           | -28.8                  | 43.2                       | -                  | -           | 74                  | -30.8       | 65             | 115         | V        |
|        | * 4.153         | 28.87                | MAv1 | 33.4           | -28.8                  | 33.47                      | 54                 | -20.53      | -                   | -           | 65             | 115         | V        |
| 6      | * 5.401         | 37.17                | PK2  | 34.9           | -27.6                  | 44.47                      | -                  | -           | 74                  | -29.53      | 78             | 165         | V        |
|        | * 5.403         | 27.47                | MAv1 | 34.9           | -27.5                  | 34.87                      | 54                 | -19.13      | -                   | -           | 78             | 165         | V        |
|        | 1.752           | 31.08                | MAv1 | 29.9           | -23.8                  | 37.18                      | -                  | -           | -                   | -           | 40             | 170         | V        |
| 2      | 1.753           | 31.41                | MAv1 | 29.9           | -23.7                  | 37.61                      | -                  | -           | -                   | -           | 55             | 145         | H        |
|        | 1.755           | 41.85                | PK2  | 29.8           | -23.8                  | 47.85                      | -                  | -           | -                   | -           | 40             | 170         | V        |
| 1      | 1.756           | 42.12                | PK2  | 29.8           | -23.8                  | 48.12                      | -                  | -           | -                   | -           | 55             | 145         | 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

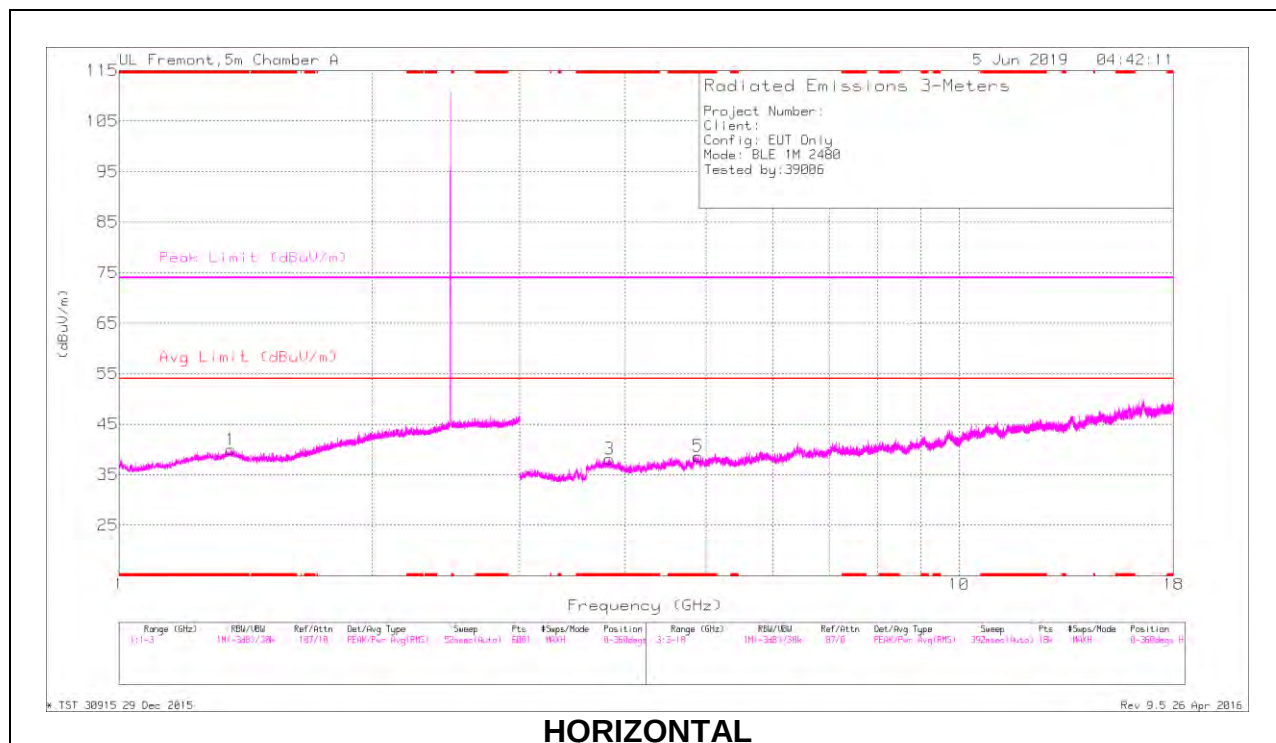
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T346 (dB/m) | Amp/Cbl/Filtr/Pa d (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-------------------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| 1      | * 1.486         | 41.96                | PK2  | 28.4           | -24.6                   | 45.76                      | -                  | -           | 74                  | -28.24      | 300            | 150         | H        |
|        | * 1.487         | 31.25                | MAv1 | 28.4           | -24.6                   | 35.05                      | 54                 | -18.95      | -                   | -           | 300            | 150         | H        |
| 2      | * 1.472         | 41.95                | PK2  | 28.4           | -24.7                   | 45.65                      | -                  | -           | 74                  | -28.35      | 260            | 160         | V        |
|        | * 1.475         | 31.24                | MAv1 | 28.4           | -24.7                   | 34.94                      | 54                 | -19.06      | -                   | -           | 260            | 160         | V        |
| 5      | * 5.118         | 38.28                | PK2  | 34.5           | -27.1                   | 45.68                      | -                  | -           | 74                  | -28.32      | 240            | 140         | H        |
|        | * 5.117         | 28.08                | MAv1 | 34.5           | -27.1                   | 35.48                      | 54                 | -18.52      | -                   | -           | 240            | 140         | H        |
| 6      | * 5.12          | 38.31                | PK2  | 34.6           | -27.1                   | 45.81                      | -                  | -           | 74                  | -28.19      | 200            | 136         | V        |
|        | * 5.12          | 28.13                | MAv1 | 34.6           | -27.1                   | 35.63                      | 54                 | -18.37      | -                   | -           | 200            | 136         | V        |
| 3      | 4.497           | 28.4                 | MAv1 | 34             | -28.1                   | 34.3                       | -                  | -           | -                   | -           | 270            | 167         | H        |
|        | 4.498           | 38.21                | PK2  | 34             | -28.1                   | 44.11                      | -                  | -           | -                   | -           | 270            | 167         | H        |
| 4      | 4.498           | 38.87                | PK2  | 34             | -28.1                   | 44.77                      | -                  | -           | -                   | -           | 212            | 180         | V        |
|        | 4.498           | 28.82                | MAv1 | 34             | -28.1                   | 34.72                      | -                  | -           | -                   | -           | 212            | 180         | V        |

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

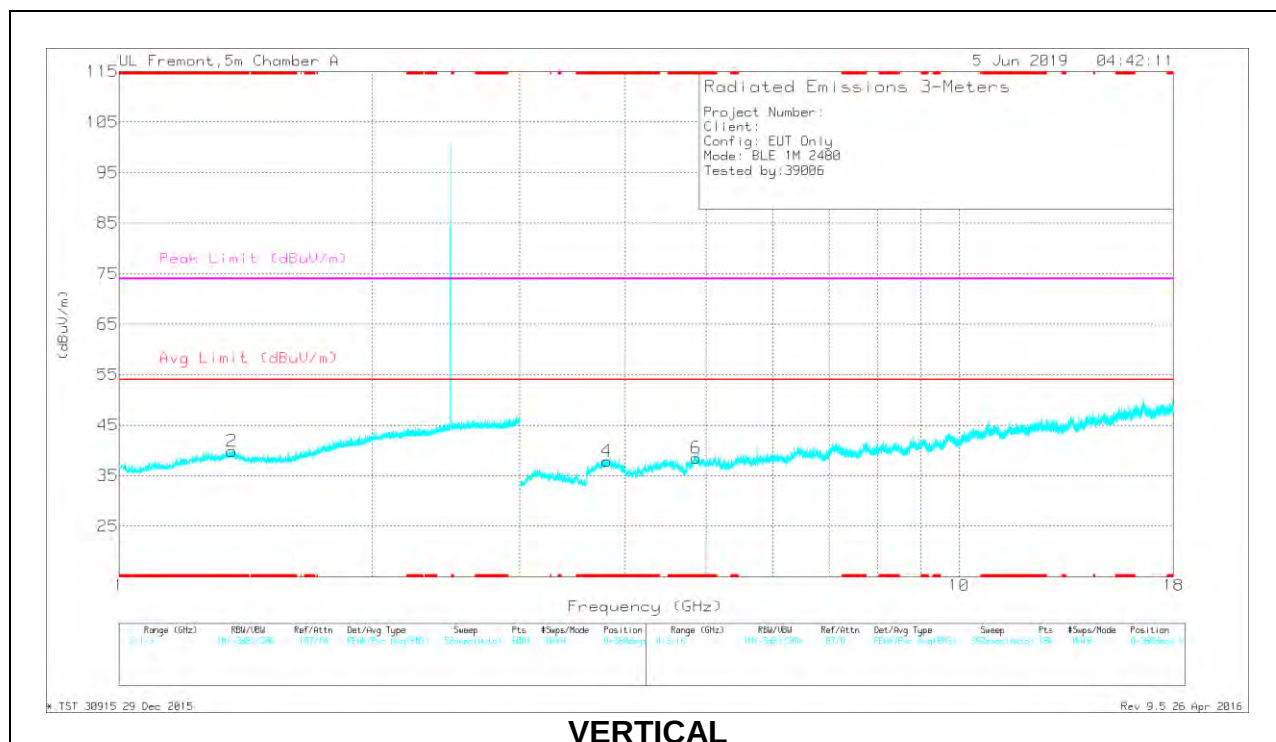
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

## HIGH CHANNEL RESULTS



## HORIZONTAL



## VERTICAL

## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T346 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| 1      | * 1.359         | 42.65                | PK2  | 29.5           | -25                    | 47.15                      | -                  | -           | 74                  | -26.85      | 350            | 190         | H        |
|        | * 1.356         | 31.61                | MAv1 | 29.6           | -25                    | 36.21                      | 54                 | -17.79      | -                   | -           | 350            | 190         | H        |
| 2      | * 1.361         | 42.35                | PK2  | 29.5           | -24.9                  | 46.95                      | -                  | -           | 74                  | -27.05      | 310            | 205         | V        |
|        | * 1.36          | 31.56                | MAv1 | 29.5           | -24.9                  | 36.16                      | 54                 | -17.84      | -                   | -           | 310            | 205         | V        |
| 3      | * 3.836         | 39.26                | PK2  | 33.7           | -29                    | 43.96                      | -                  | -           | 74                  | -30.04      | 190            | 186         | H        |
|        | * 3.838         | 29.68                | MAv1 | 33.7           | -29                    | 34.38                      | 54                 | -19.62      | -                   | -           | 190            | 186         | H        |
| 5      | * 4.891         | 38.04                | PK2  | 34.2           | -26.6                  | 45.64                      | -                  | -           | 74                  | -28.36      | 145            | 155         | H        |
|        | * 4.889         | 27.66                | MAv1 | 34.2           | -26.6                  | 35.26                      | 54                 | -18.74      | -                   | -           | 145            | 155         | H        |
| 4      | * 3.81          | 39.83                | PK2  | 33.7           | -29.1                  | 44.43                      | -                  | -           | 74                  | -29.57      | 168            | 176         | V        |
|        | * 3.812         | 29.92                | MAv1 | 33.7           | -29.1                  | 34.52                      | 54                 | -19.48      | -                   | -           | 168            | 176         | V        |
| 6      | * 4.867         | 37.81                | PK2  | 34.1           | -26.9                  | 45.01                      | -                  | -           | 74                  | -28.99      | 99             | 172         | V        |
|        | * 4.864         | 27.44                | MAv1 | 34.1           | -27.1                  | 34.44                      | 54                 | -19.56      | -                   | -           | 99             | 172         | V        |

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

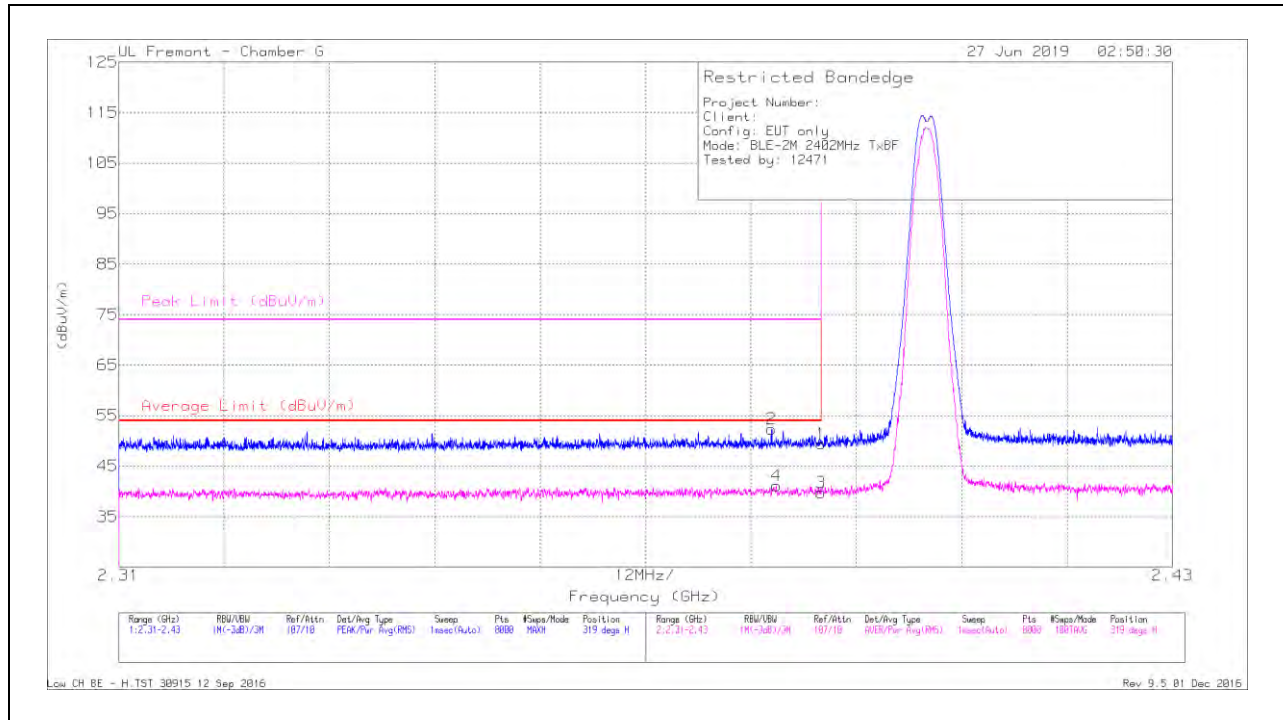
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

## 9.2.6. BEAMFORMING, HIGH POWER BLE (2Mbps)

### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT



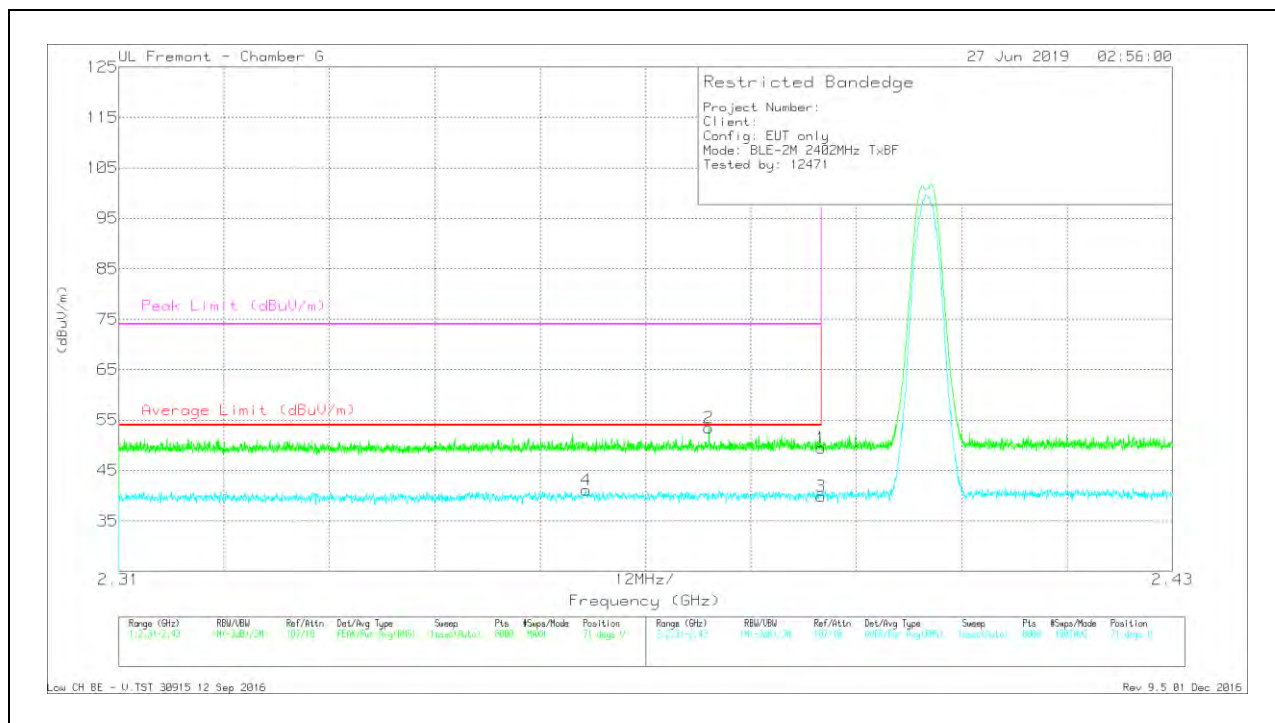
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Ampl/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 39.71                | Pk  | 31.9           | -22.2                  | 49.41                      | -                      | -           | 74                  | -24.59         | 319            | 209         | H        |
| 2      | * 2.384         | 42.63                | Pk  | 31.9           | -22.2                  | 52.33                      | -                      | -           | 74                  | -21.67         | 319            | 209         | H        |
| 3      | * 2.39          | 30.03                | RMS | 31.9           | -22.2                  | 39.73                      | 54                     | -14.27      | -                   | -              | 319            | 209         | H        |
| 4      | * 2.385         | 31.41                | RMS | 31.9           | -22.2                  | 41.11                      | 54                     | -12.89      | -                   | -              | 319            | 209         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT

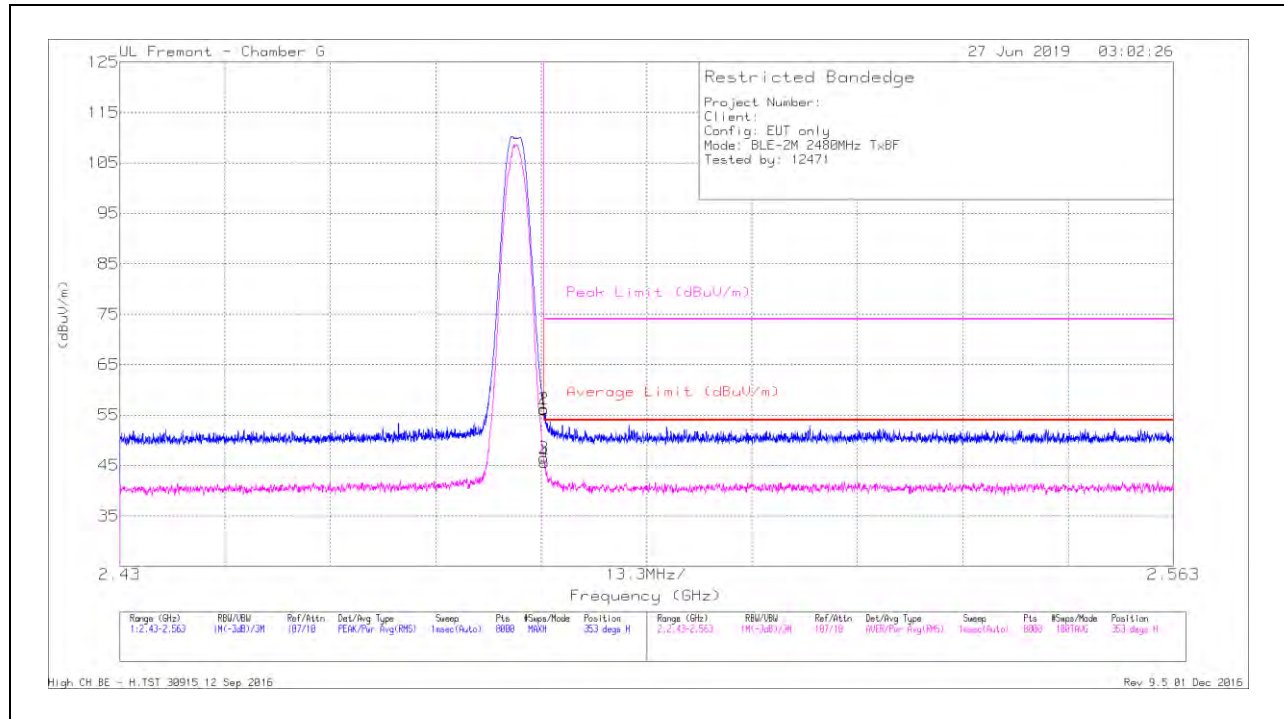


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Ampl/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 39.77                | Pk  | 31.9           | -22.2                   | 49.47                      | -                      | -           | 74                  | -24.53         | 71             | 311         | V        |
| 2      | * 2.377         | 43.86                | Pk  | 31.8           | -22.2                   | 53.46                      | -                      | -           | 74                  | -20.54         | 71             | 311         | V        |
| 3      | * 2.39          | 30.16                | RMS | 31.9           | -22.2                   | 39.86                      | 54                     | -14.14      | -                   | -              | 71             | 311         | V        |
| 4      | * 2.363         | 31.67                | RMS | 31.7           | -22.2                   | 41.17                      | 54                     | -12.83      | -                   | -              | 71             | 311         | V        |

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

Pk - Peak detector

RMS - RMS detection

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

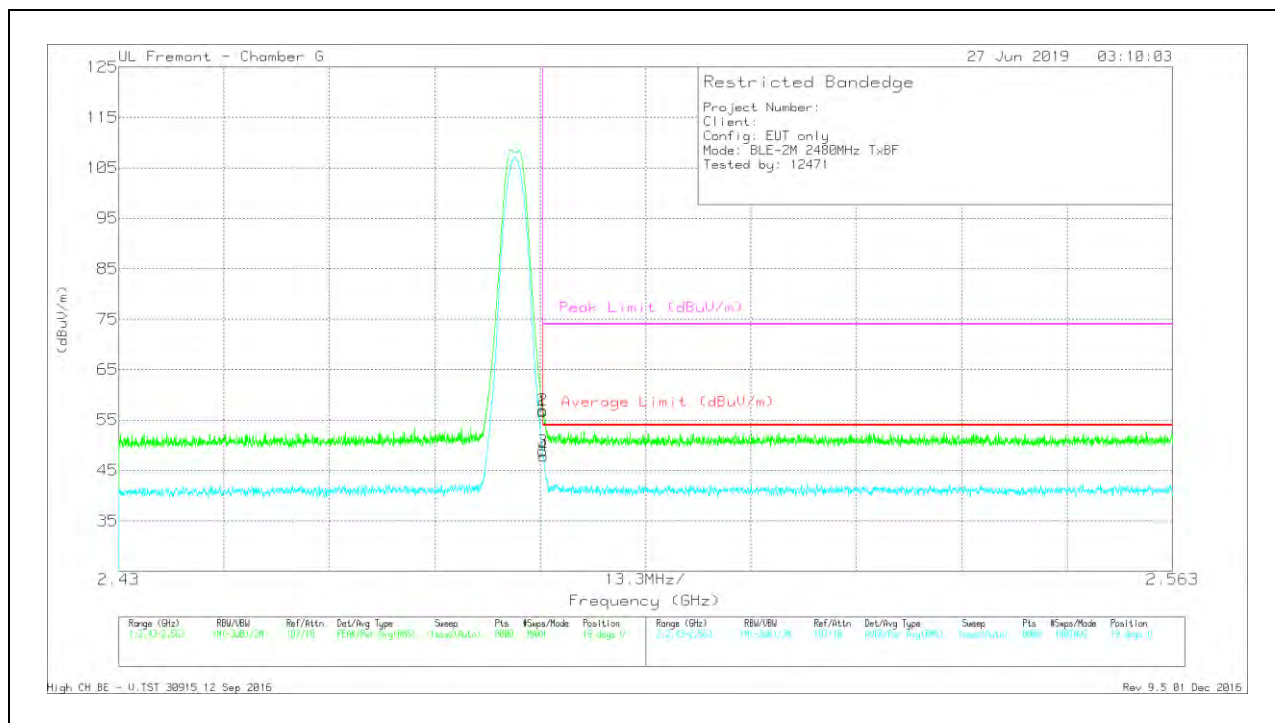
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Ampl/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 45.81                | Pk  | 32.4           | -22.1                   | 56.11                      | -                      | -           | 74                  | -17.89         | 353            | 312         | H        |
| 2      | * 2.484         | 45.96                | Pk  | 32.4           | -22.1                   | 56.26                      | -                      | -           | 74                  | -17.74         | 353            | 312         | H        |
| 3      | * 2.484         | 36.15                | RMS | 32.4           | -22.1                   | 46.45                      | 54                     | -7.55       | -                   | -              | 353            | 312         | H        |
| 4      | * 2.484         | 35.34                | RMS | 32.4           | -22.1                   | 45.64                      | 54                     | -8.36       | -                   | -              | 353            | 312         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



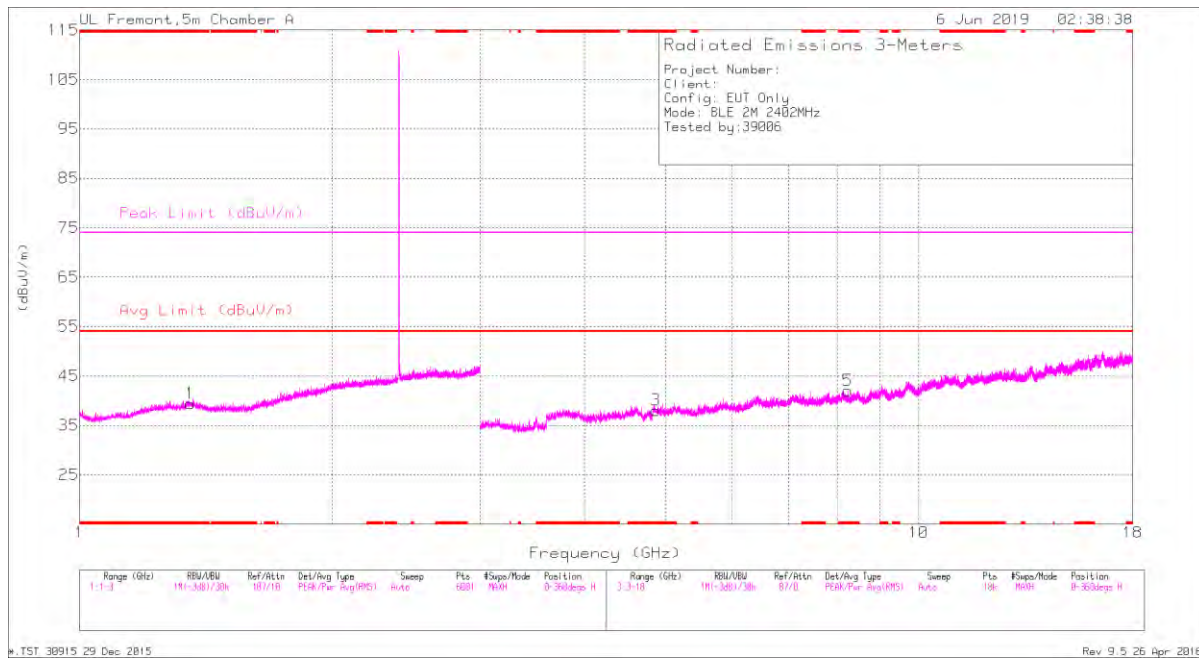
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cbl/Ftr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 46.41                | Pk  | 32.4           | -22.1                | 56.71                      | -                      | -           | 74                  | -17.29         | 19             | 403         | V        |
| 2      | * 2.484         | 46.66                | Pk  | 32.4           | -22.1                | 56.96                      | -                      | -           | 74                  | -17.04         | 19             | 403         | V        |
| 3      | * 2.484         | 38.56                | RMS | 32.4           | -22.1                | 48.86                      | 54                     | -5.14       | -                   | -              | 19             | 403         | V        |
| 4      | * 2.484         | 37.55                | RMS | 32.4           | -22.1                | 47.85                      | 54                     | -6.15       | -                   | -              | 19             | 403         | V        |

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

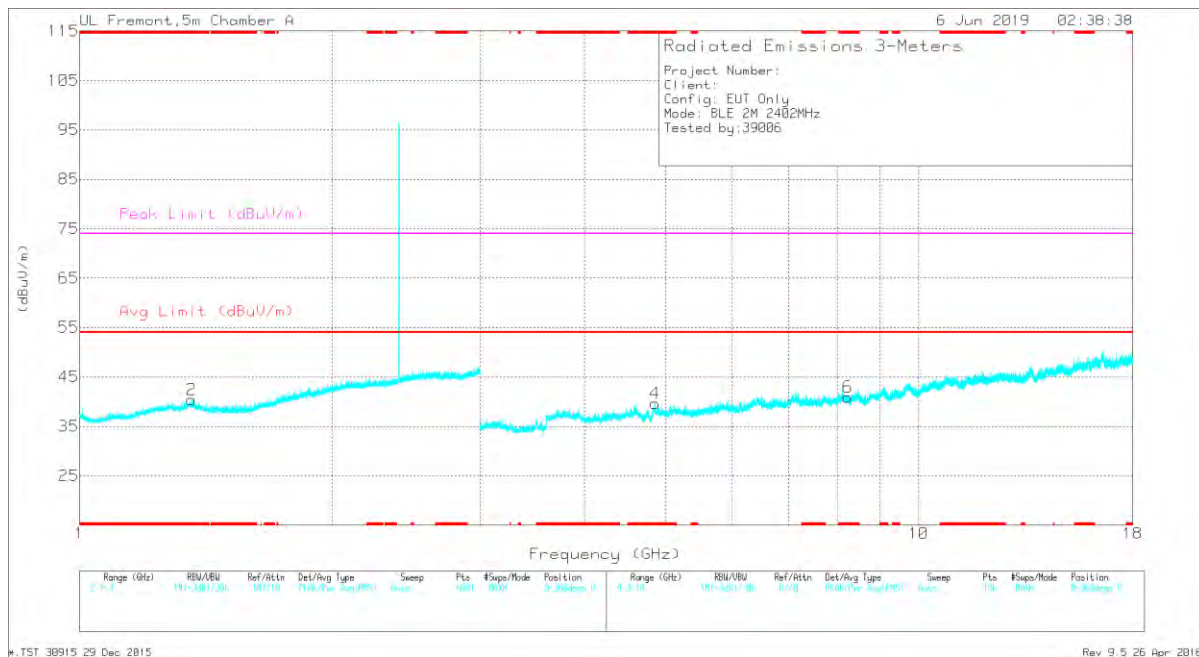
Pk - Peak detector

RMS - RMS detection

## LOW CHANNEL RESULTS



## HORIZONTAL



## VERTICAL

## RADIATED EMISSIONS

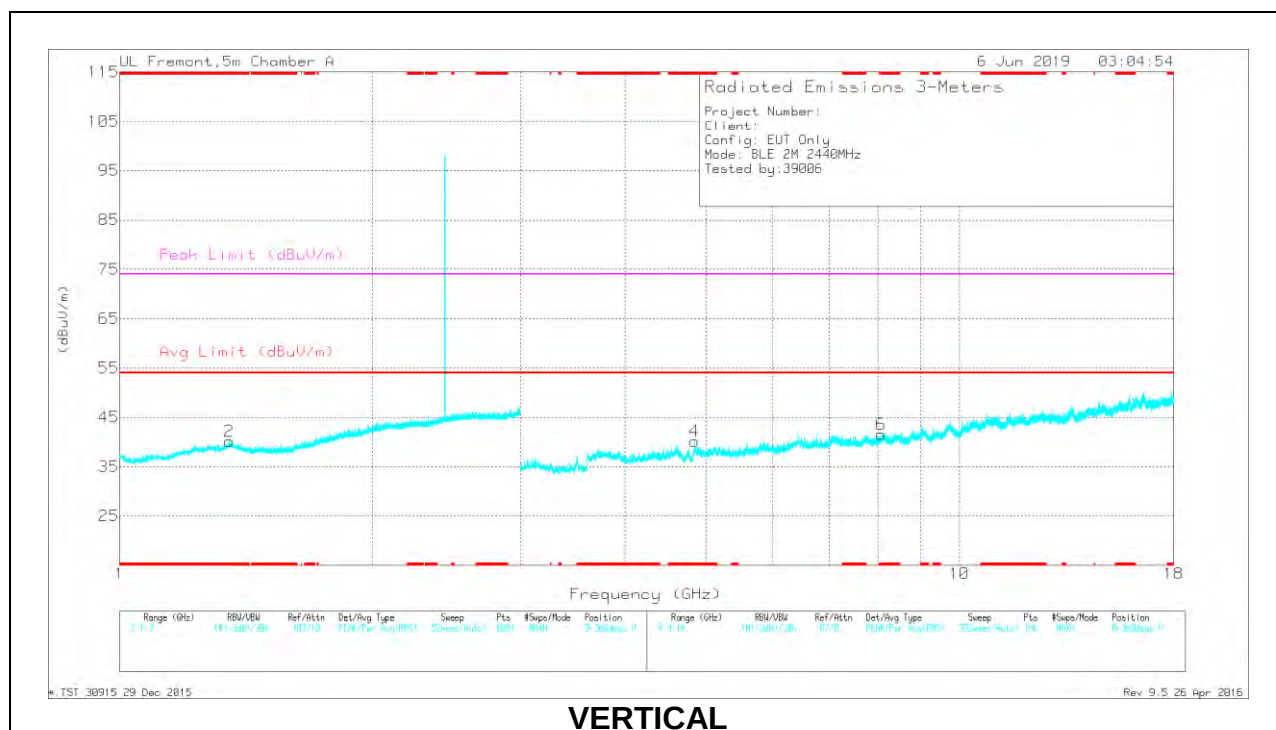
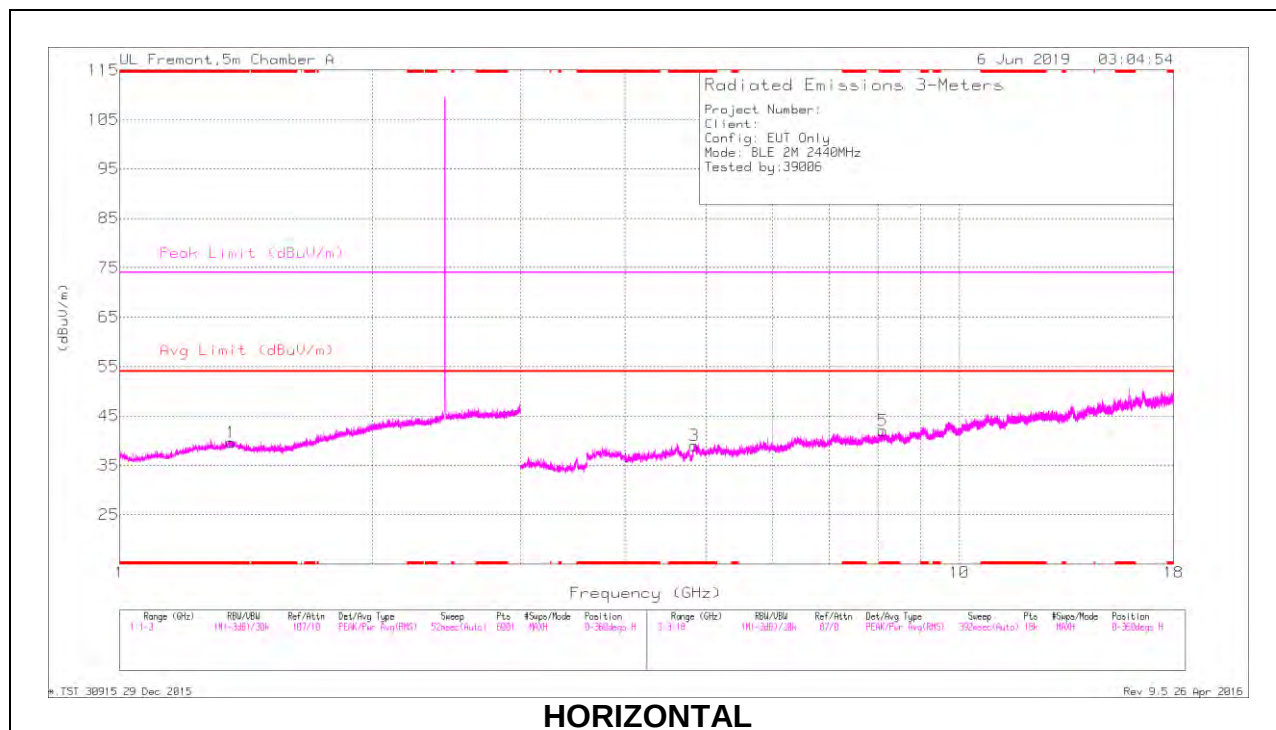
| MRKER | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T346 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1     | * 1.354         | 42.47                | PK2  | 29.6           | -24.9                 | 47.17                      | -                  | -           | 74                  | -26.83         | 29             | 160         | H        |
|       | * 1.355         | 31.73                | MAv1 | 29.6           | -25                   | 36.33                      | 54                 | -17.67      | -                   | -              | 29             | 160         | H        |
| 2     | * 1.359         | 42.23                | PK2  | 29.5           | -25                   | 46.73                      | -                  | -           | 74                  | -27.27         | 61             | 140         | V        |
|       | * 1.361         | 31.63                | MAv1 | 29.5           | -24.9                 | 36.23                      | 54                 | -17.77      | -                   | -              | 61             | 140         | V        |
| 3     | * 4.861         | 37.54                | PK2  | 34.2           | -27.2                 | 44.54                      | -                  | -           | 74                  | -29.46         | 156            | 210         | H        |
|       | * 4.863         | 27.82                | MAv1 | 34.2           | -27.1                 | 34.92                      | 54                 | -19.08      | -                   | -              | 156            | 210         | H        |
| 5     | * 8.233         | 34.89                | PK2  | 35.9           | -23.4                 | 47.39                      | -                  | -           | 74                  | -26.61         | 164            | 176         | H        |
|       | * 8.231         | 24.88                | MAv1 | 35.9           | -23.4                 | 37.38                      | 54                 | -16.62      | -                   | -              | 164            | 176         | H        |
| 4     | * 4.849         | 38.65                | PK2  | 34.2           | -27.1                 | 45.75                      | -                  | -           | 74                  | -28.25         | 135            | 136         | V        |
|       | * 4.85          | 27.75                | MAv1 | 34.2           | -27.1                 | 34.85                      | 54                 | -19.15      | -                   | -              | 135            | 136         | V        |
| 6     | * 8.235         | 34.94                | PK2  | 35.9           | -23.3                 | 47.54                      | -                  | -           | 74                  | -26.46         | 110            | 145         | V        |
|       | * 8.234         | 24.78                | MAv1 | 35.9           | -23.4                 | 37.28                      | 54                 | -16.72      | -                   | -              | 110            | 145         | 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

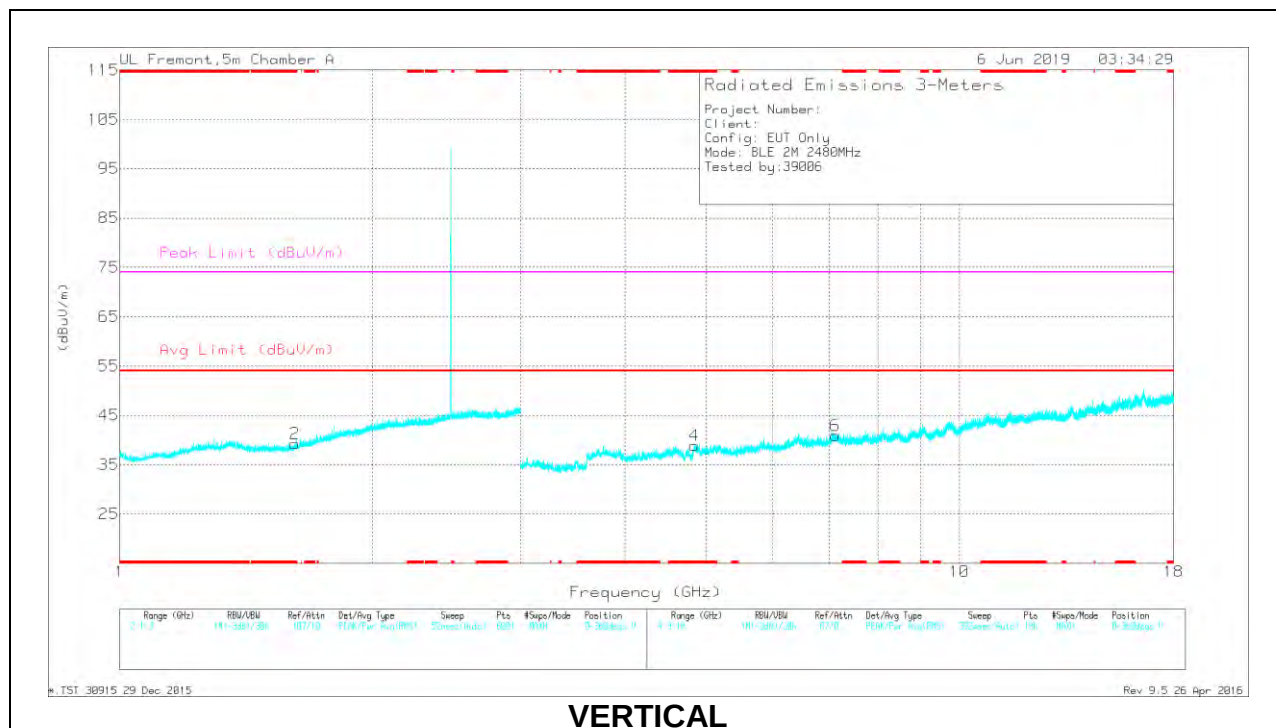
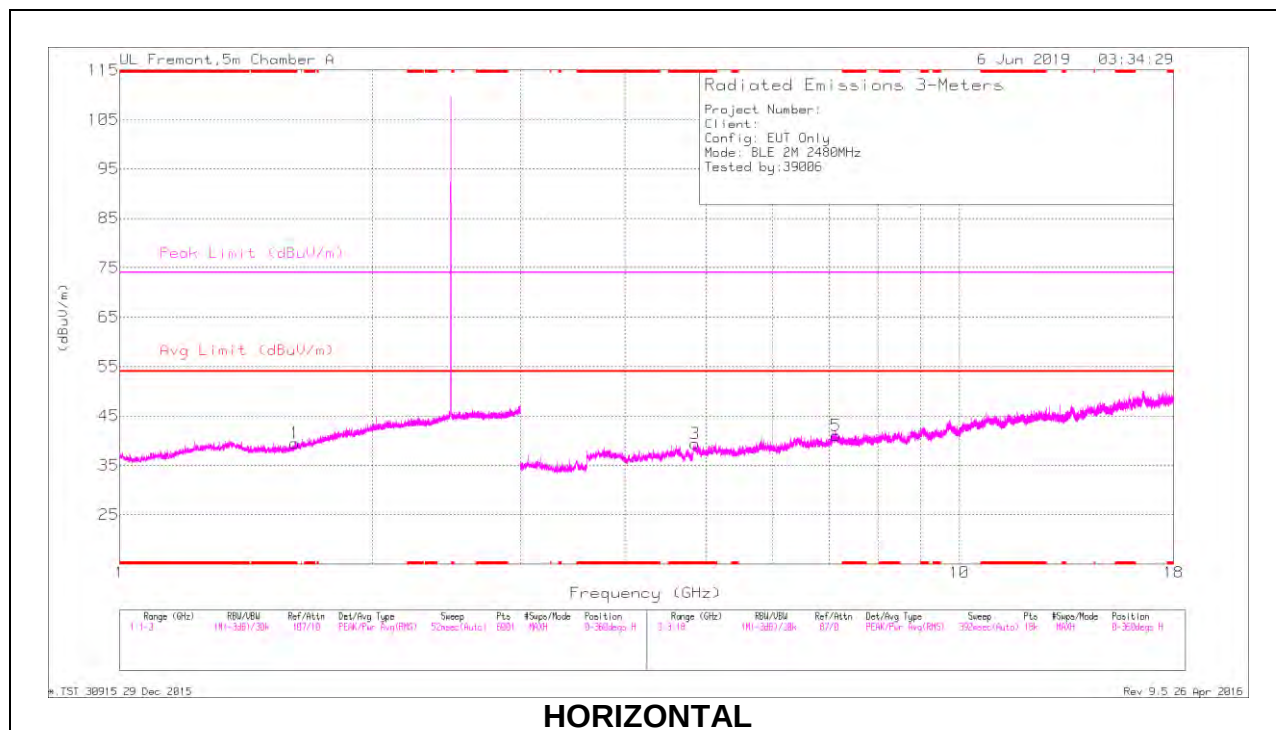
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T346 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.356         | 42.43                | PK2  | 29.6           | -25                   | 47.03                      | -                  | -           | 74                  | -26.97         | 53             | 140         | H        |
|        | * 1.355         | 31.42                | MAv1 | 29.6           | -25                   | 36.02                      | 54                 | -17.98      | -                   | -              | 53             | 140         | H        |
| 2      | * 1.352         | 42.45                | PK2  | 29.6           | -24.9                 | 47.15                      | -                  | -           | 74                  | -26.85         | 90             | 161         | V        |
|        | * 1.35          | 31.62                | MAv1 | 29.5           | -25                   | 36.12                      | 54                 | -17.88      | -                   | -              | 90             | 161         | V        |
| 3      | * 4.839         | 38.28                | PK2  | 34.3           | -26.9                 | 45.68                      | -                  | -           | 74                  | -28.32         | 49             | 180         | H        |
|        | * 4.839         | 27.77                | MAv1 | 34.3           | -26.9                 | 35.17                      | 54                 | -18.83      | -                   | -              | 49             | 180         | H        |
| 5      | * 8.114         | 35.21                | PK2  | 35.8           | -22.2                 | 48.81                      | -                  | -           | 74                  | -25.19         | 67             | 210         | H        |
|        | * 8.114         | 24.72                | MAv1 | 35.8           | -22.2                 | 38.32                      | 54                 | -15.68      | -                   | -              | 67             | 210         | H        |
| 4      | * 4.841         | 38.61                | PK2  | 34.3           | -26.9                 | 46.01                      | -                  | -           | 74                  | -27.99         | 83             | 250         | V        |
|        | * 4.84          | 27.9                 | MAv1 | 34.3           | -26.9                 | 35.3                       | 54                 | -18.7       | -                   | -              | 83             | 250         | V        |
| 6      | * 8.072         | 34.78                | PK2  | 35.9           | -22.9                 | 47.78                      | -                  | -           | 74                  | -26.22         | 73             | 130         | V        |
|        | * 8.074         | 24.95                | MAv1 | 35.8           | -22.9                 | 37.85                      | 54                 | -16.15      | -                   | -              | 73             | 130         | 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

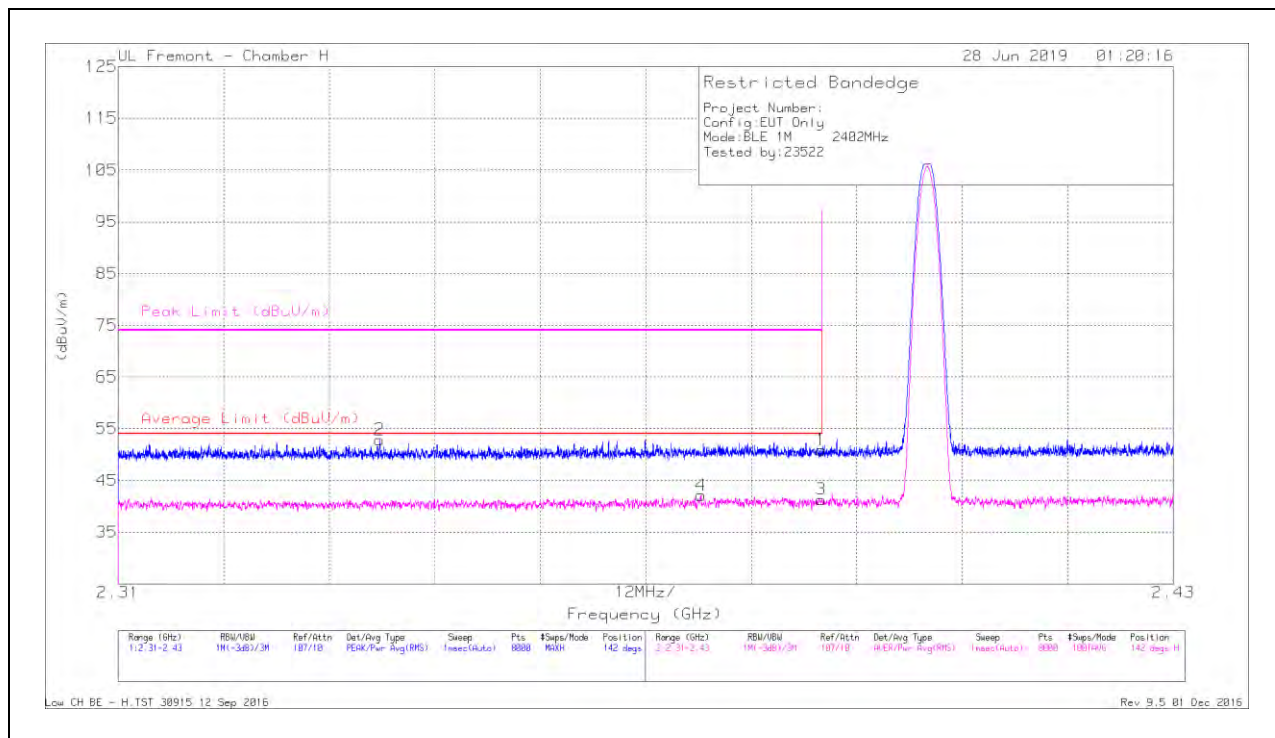
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T346 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.617         | 41.93                | PK2  | 28.3           | -24.1                  | 46.13                      | -                  | -           | 74                  | -27.87         | 13             | 150         | H        |
|        | * 1.616         | 31.08                | MAv1 | 28.3           | -24.1                  | 35.28                      | 54                 | -18.72      | -                   | -              | 13             | 150         | H        |
| 2      | * 1.615         | 42.06                | PK2  | 28.3           | -24.1                  | 46.26                      | -                  | -           | 74                  | -27.74         | 61             | 165         | V        |
|        | * 1.618         | 31.32                | MAv1 | 28.3           | -24.1                  | 35.52                      | 54                 | -18.48      | -                   | -              | 61             | 165         | V        |
| 3      | * 4.842         | 38                   | PK2  | 34.3           | -27                    | 45.3                       | -                  | -           | 74                  | -28.7          | 46             | 190         | H        |
|        | * 4.845         | 27.87                | MAv1 | 34.3           | -27                    | 35.17                      | 54                 | -18.83      | -                   | -              | 46             | 190         | H        |
| 4      | * 4.833         | 37.68                | PK2  | 34.3           | -26.8                  | 45.18                      | -                  | -           | 74                  | -28.82         | 130            | 250         | V        |
|        | * 4.833         | 27.7                 | MAv1 | 34.3           | -26.9                  | 35.1                       | 54                 | -18.9       | -                   | -              | 130            | 250         | V        |
| 5      | 7.119           | 25.79                | MAv1 | 36.1           | -24.1                  | 37.79                      | -                  | -           | -                   | -              | 180            | 290         | V        |
|        | 7.121           | 35.31                | PK2  | 36.2           | -24                    | 47.51                      | -                  | -           | -                   | -              | 180            | 290         | V        |
| 6      | 7.135           | 35.5                 | PK2  | 36.1           | -23.7                  | 47.9                       | -                  | -           | -                   | -              | 150            | 160         | H        |
|        | 7.135           | 25.22                | MAv1 | 36.1           | -23.7                  | 37.62                      | -                  | -           | -                   | -              | 150            | 160         | H        |

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

## 9.2.7. BEAMFORMING, LOW POWER BLE (1Mbps)

### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT



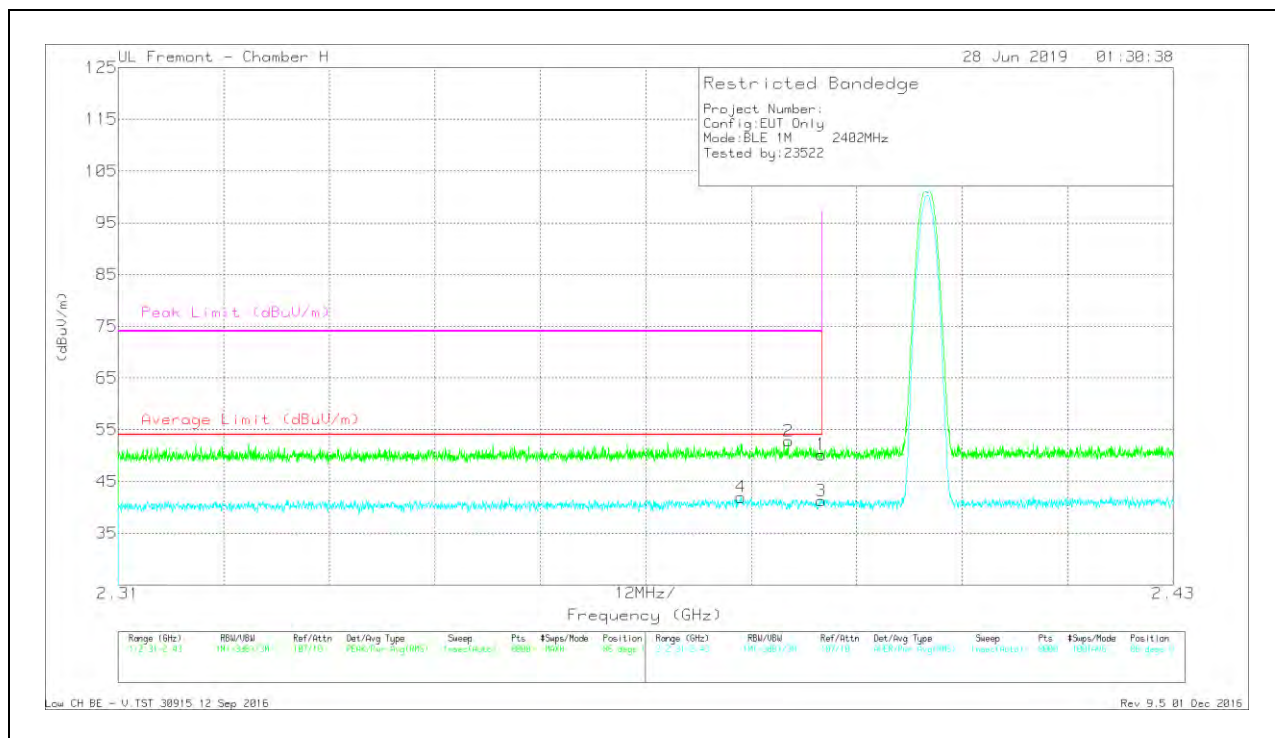
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T863 (dB/m) | Ampl/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 42.32                | Pk  | 32.1           | -23.5                   | 50.92                      | -                      | -           | 74                  | -23.08         | 142            | 127         | H        |
| 2      | * 2.34          | 44.54                | Pk  | 31.9           | -23.6                   | 52.84                      | -                      | -           | 74                  | -21.16         | 142            | 127         | H        |
| 3      | * 2.39          | 32.73                | RMS | 32.1           | -23.5                   | 41.33                      | 54                     | -12.67      | -                   | -              | 142            | 127         | H        |
| 4      | * 2.376         | 33.52                | RMS | 32.1           | -23.5                   | 42.12                      | 54                     | -11.88      | -                   | -              | 142            | 127         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT

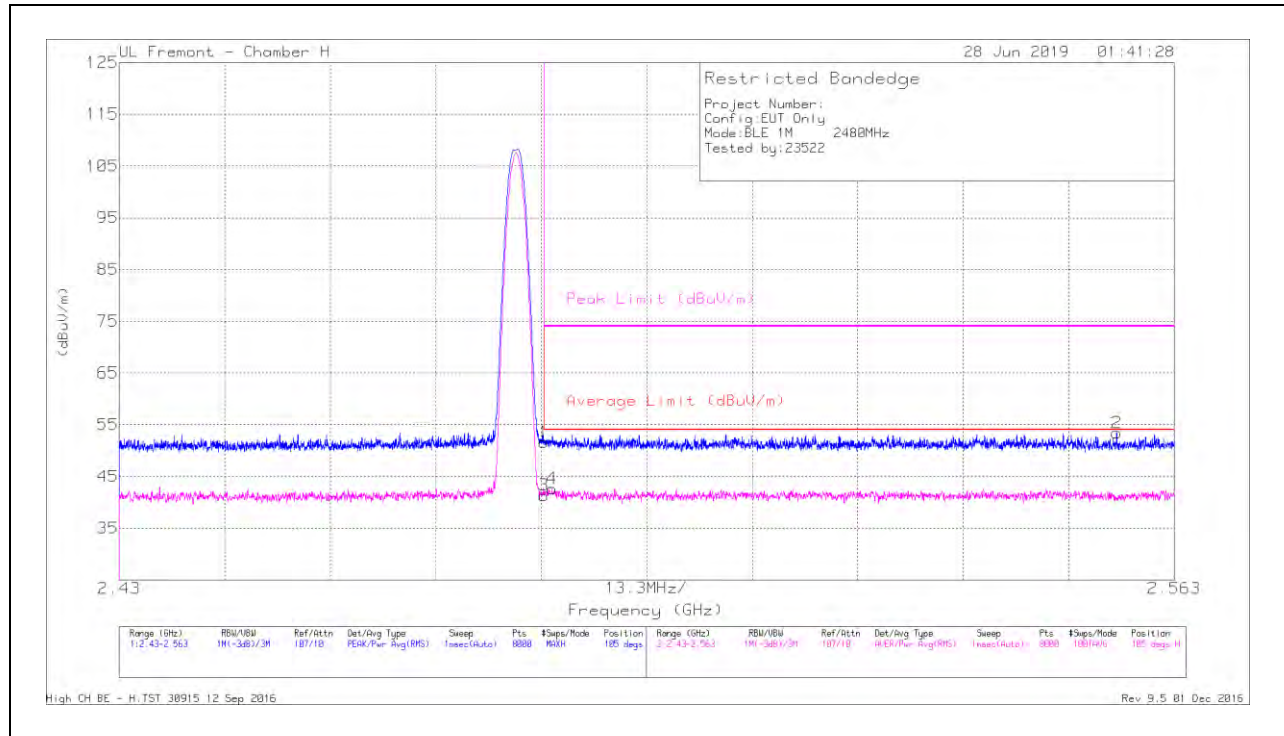


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T863 (dB/m) | Ampl/Chl/Ftr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 41.58                | Pk  | 32.1           | -23.5                 | 50.18                      | -                      | -           | 74                  | -23.82         | 86             | 389         | V        |
| 2      | * 2.386         | 44.21                | Pk  | 32.1           | -23.5                 | 52.81                      | -                      | -           | 74                  | -21.19         | 86             | 389         | V        |
| 3      | * 2.39          | 32.65                | RMS | 32.1           | -23.5                 | 41.25                      | 54                     | -12.75      | -                   | -              | 86             | 389         | V        |
| 4      | * 2.381         | 33.26                | RMS | 32.2           | -23.5                 | 41.96                      | 54                     | -12.04      | -                   | -              | 86             | 389         | V        |

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

Pk - Peak detector

RMS - RMS detection

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

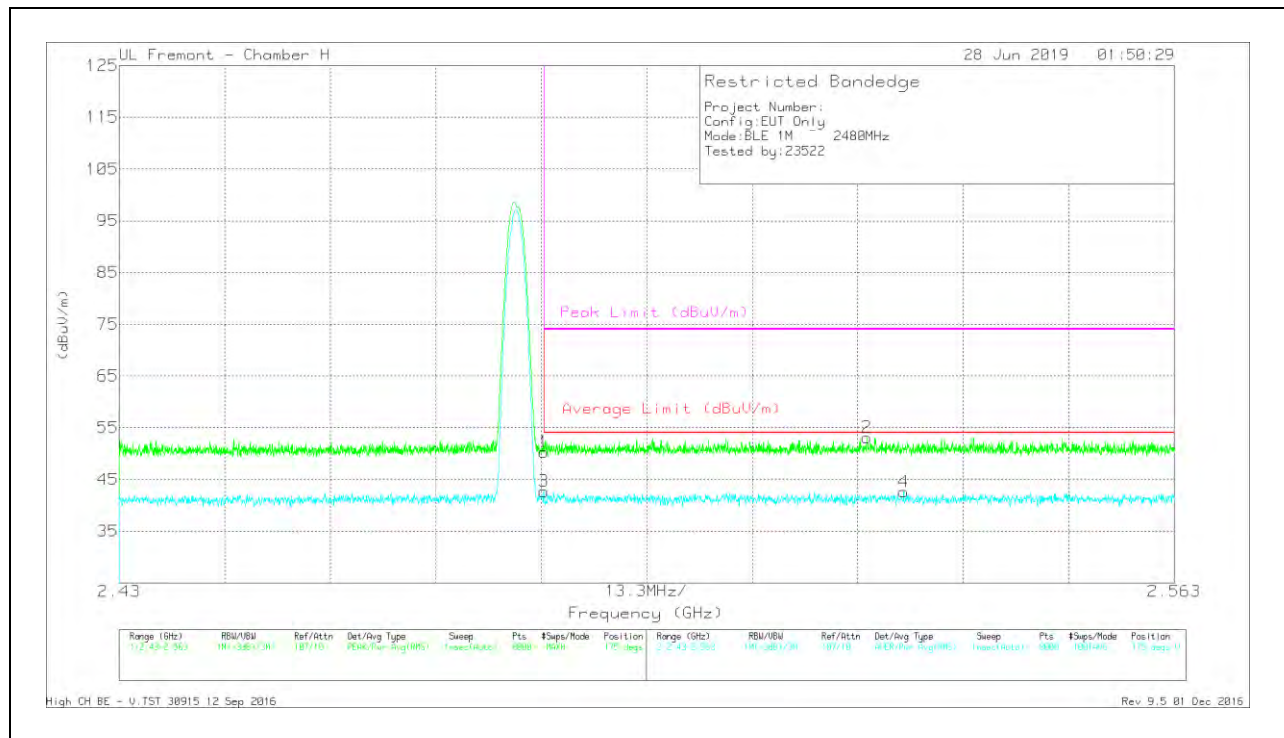
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T863 (dB/m) | Ampl/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 42.41                | Pk  | 32.5           | -23.3                   | 51.61                      | -                      | -           | 74                  | -22.39         | 105            | 114         | H        |
| 3      | * 2.484         | 32.12                | RMS | 32.5           | -23.3                   | 41.32                      | 54                     | -12.68      | -                   | -              | 105            | 114         | H        |
| 4      | * 2.485         | 33.44                | RMS | 32.5           | -23.3                   | 42.64                      | 54                     | -11.36      | -                   | -              | 105            | 114         | H        |
| 2      | 2.556           | 44.21                | Pk  | 32.4           | -23.2                   | 53.41                      | -                      | -           | 74                  | -20.59         | 105            | 114         | 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 T863 (dB/m) | Ampl/Chl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 41.08                | Pk  | 32.5           | -23.3                   | 50.28                      | -                      | -           | 74                  | -23.72         | 175            | 370         | V        |
| 3      | * 2.484         | 33.48                | RMS | 32.5           | -23.3                   | 42.68                      | 54                     | -11.32      | -                   | -              | 175            | 370         | V        |
| 2      | 2.524           | 43.7                 | Pk  | 32.6           | -23.2                   | 53.1                       | -                      | -           | 74                  | -20.9          | 175            | 370         | V        |
| 4      | 2.529           | 33.19                | RMS | 32.6           | -23.2                   | 42.59                      | 54                     | -11.41      | -                   | -              | 175            | 370         | V        |

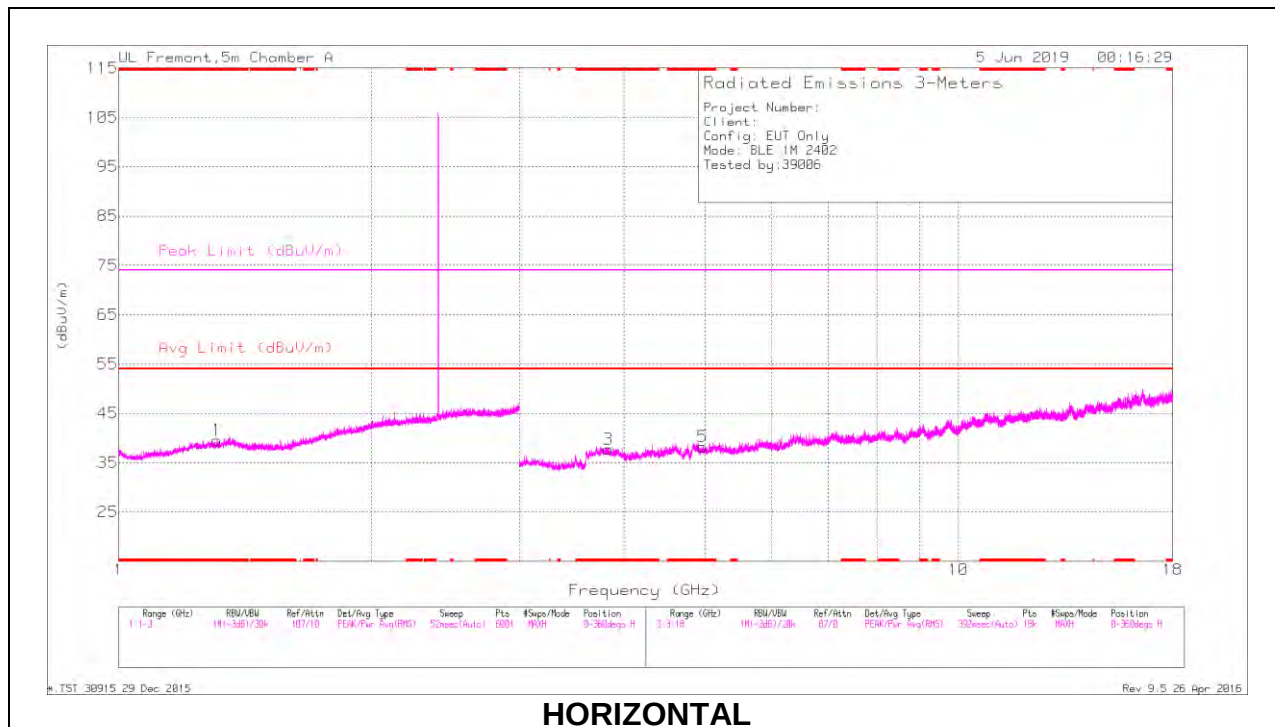
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

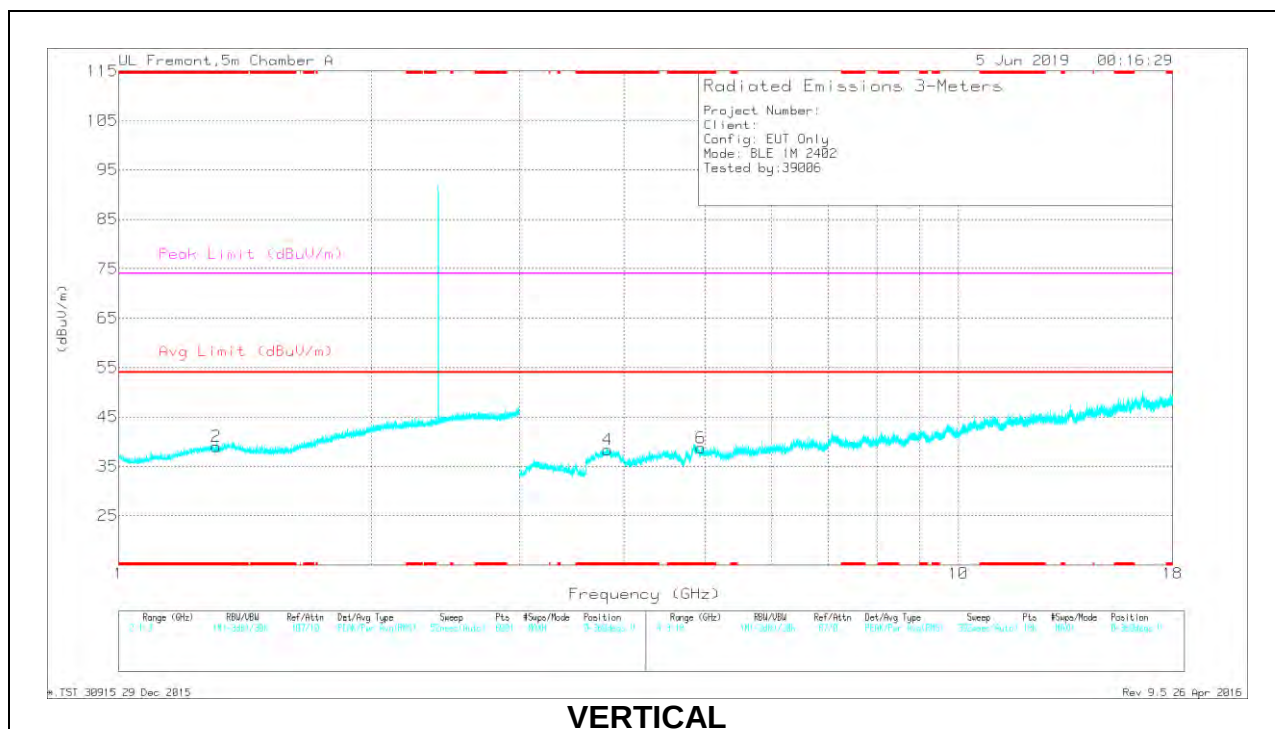
RMS - RMS detection

# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL RESULTS



## HORIZONTAL



## VERTICAL

## RADIATED EMISSIONS

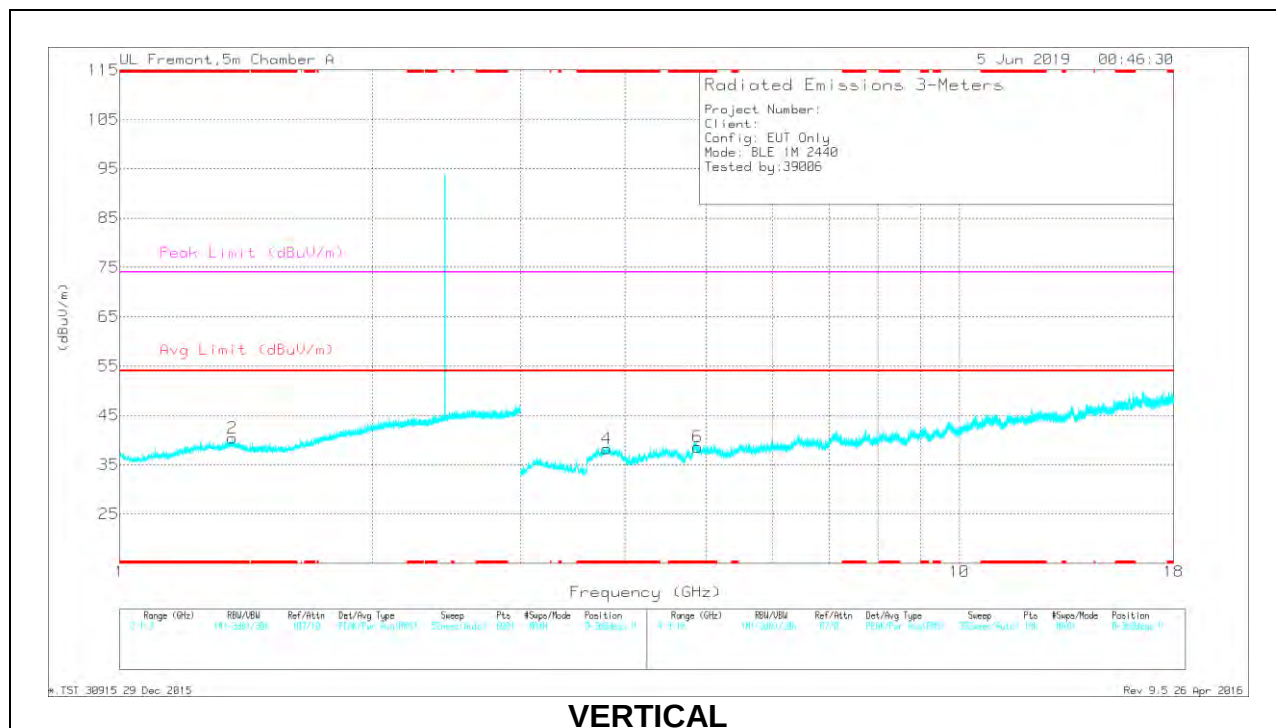
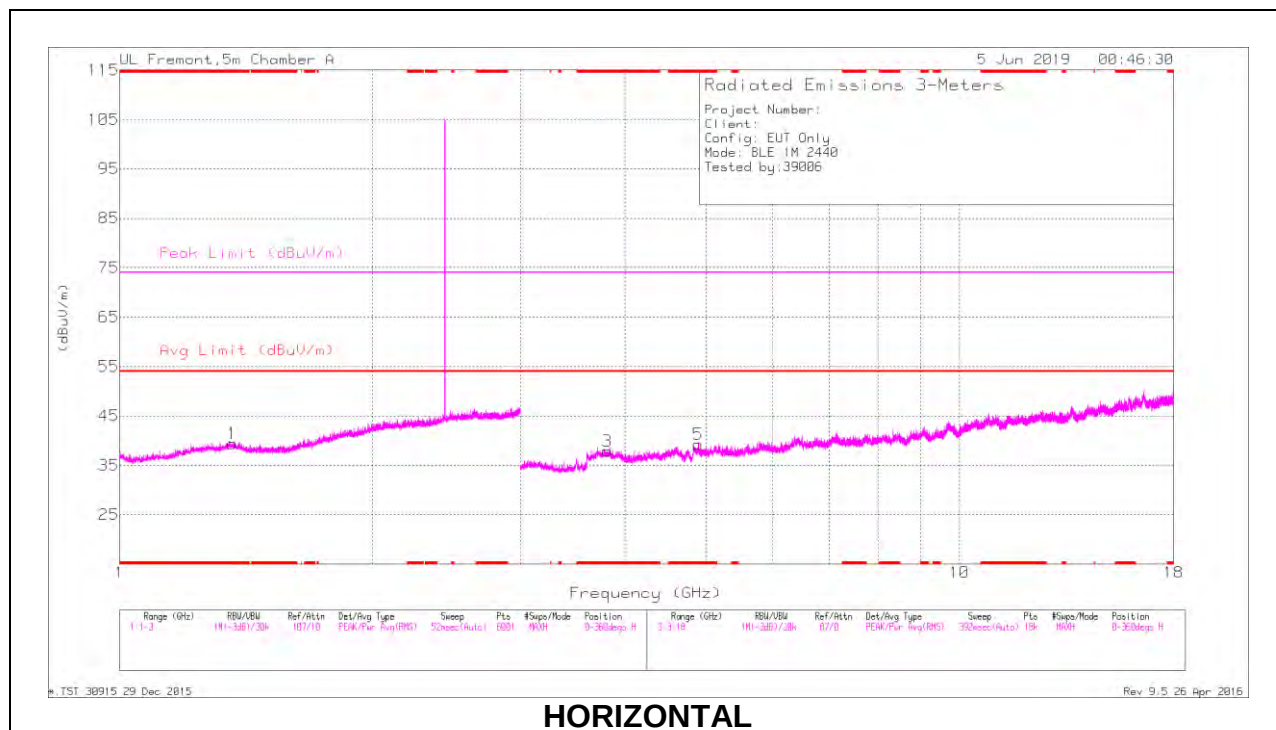
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T346 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| 1      | * 1.309         | 41.7                 | PK2  | 29             | -24.9                  | 45.8                       | -                  | -           | 74                  | -28.2       | 52.3           | 150         | H        |
|        | * 1.31          | 31.22                | MAv1 | 29             | -24.9                  | 35.32                      | 54                 | -18.68      | -                   | -           | 52.3           | 150         | H        |
| 2      | * 1.305         | 42.15                | PK2  | 28.9           | -24.9                  | 46.15                      | -                  | -           | 74                  | -27.85      | 61             | 143         | V        |
|        | * 1.306         | 31.18                | MAv1 | 29             | -25                    | 35.18                      | 54                 | -18.82      | -                   | -           | 61             | 143         | V        |
| 3      | * 3.828         | 39.58                | PK2  | 33.7           | -28.8                  | 44.48                      | -                  | -           | 74                  | -29.52      | 72.6           | 156         | H        |
|        | * 3.83          | 29.47                | MAv1 | 33.7           | -28.9                  | 34.27                      | 54                 | -19.73      | -                   | -           | 72.6           | 156         | H        |
| 5      | * 4.962         | 38.48                | PK2  | 34.2           | -27.9                  | 44.78                      | -                  | -           | 74                  | -29.22      | 87             | 165         | H        |
|        | * 4.96          | 28.66                | MAv1 | 34.2           | -27.9                  | 34.96                      | 54                 | -19.04      | -                   | -           | 87             | 165         | H        |
| 4      | * 3.819         | 40.15                | PK2  | 33.7           | -29.2                  | 44.65                      | -                  | -           | 74                  | -29.35      | 53.6           | 170         | V        |
|        | * 3.82          | 29.63                | MAv1 | 33.7           | -29.2                  | 34.13                      | 54                 | -19.87      | -                   | -           | 53.6           | 170         | V        |
| 6      | * 4.939         | 38.13                | PK2  | 34.2           | -27.8                  | 44.53                      | -                  | -           | 74                  | -29.47      | 42             | 155         | V        |
|        | * 4.937         | 28.23                | MAv1 | 34.2           | -27.8                  | 34.63                      | 54                 | -19.37      | -                   | -           | 42             | 155         | 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

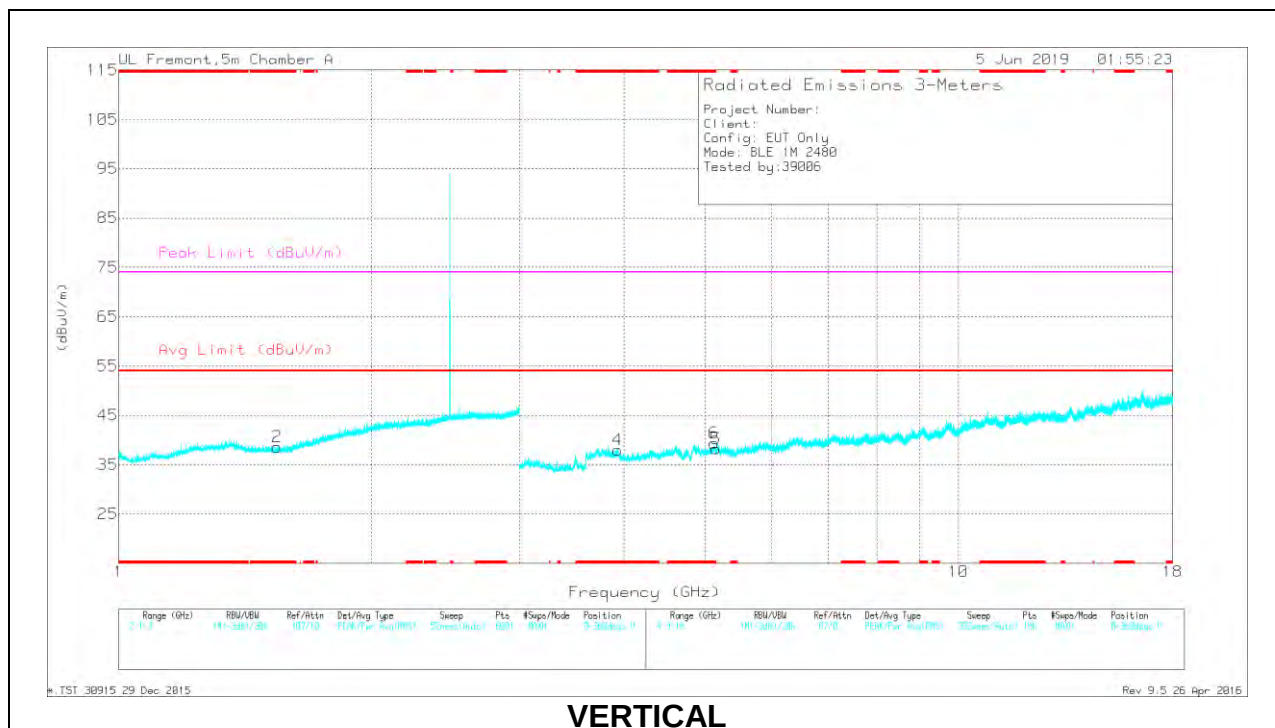
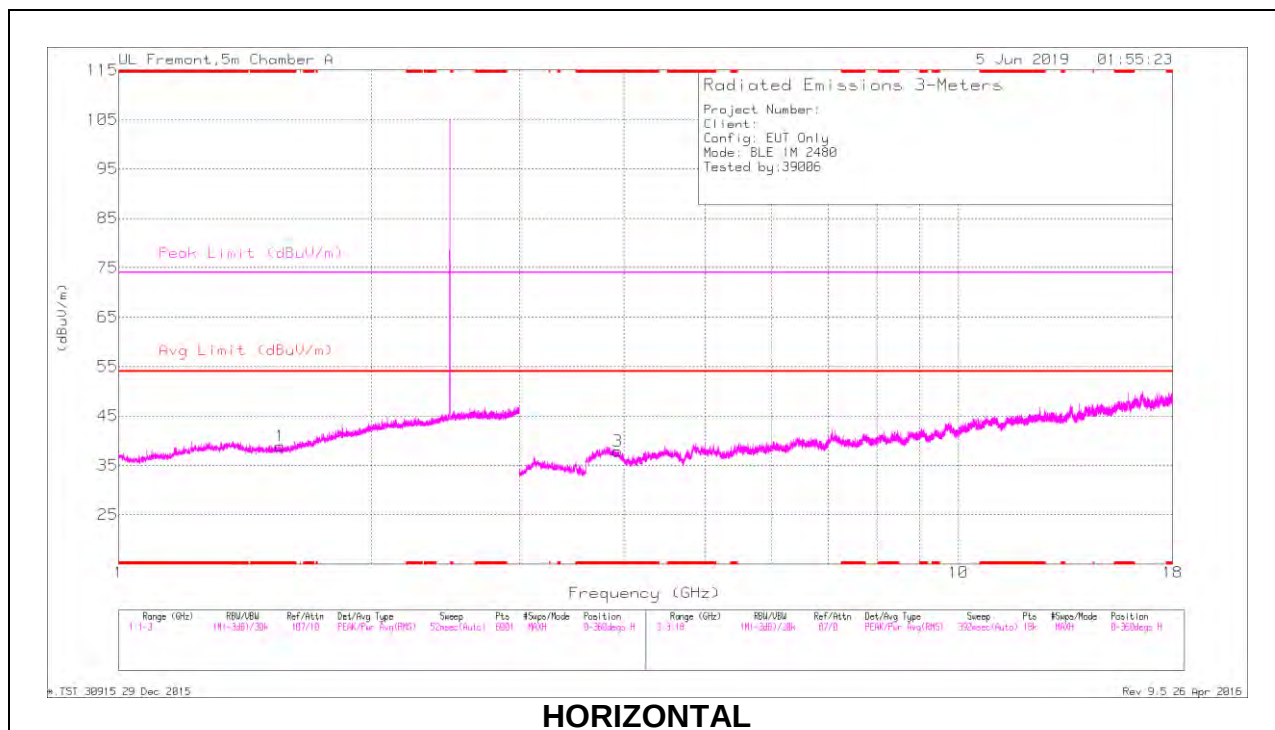
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T346 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| 1      | * 1.364         | 41.66                | PK2  | 29.6           | -25                    | 46.26                      | -                  | -           | 74                  | -27.74      | 60             | 150         | H        |
|        | * 1.364         | 31.41                | MAv1 | 29.6           | -25                    | 36.01                      | 54                 | -17.99      | -                   | -           | 60             | 150         | H        |
| 2      | * 1.362         | 42.03                | PK2  | 29.6           | -24.9                  | 46.73                      | -                  | -           | 74                  | -27.27      | 70             | 190         | V        |
|        | * 1.361         | 31.33                | MAv1 | 29.5           | -24.9                  | 35.93                      | 54                 | -18.07      | -                   | -           | 70             | 190         | V        |
| 3      | * 3.808         | 39.74                | PK2  | 33.7           | -29.1                  | 44.34                      | -                  | -           | 74                  | -29.66      | 60             | 160         | H        |
|        | * 3.808         | 29.59                | MAv1 | 33.7           | -29.1                  | 34.19                      | 54                 | -19.81      | -                   | -           | 60             | 160         | H        |
| 5      | * 4.884         | 37.42                | PK2  | 34.1           | -26.8                  | 44.72                      | -                  | -           | 74                  | -29.28      | 20             | 110         | H        |
|        | * 4.885         | 27.48                | MAv1 | 34.1           | -26.8                  | 34.78                      | 54                 | -19.22      | -                   | -           | 20             | 110         | H        |
| 4      | * 3.8           | 39.73                | PK2  | 33.7           | -29.3                  | 44.13                      | -                  | -           | 74                  | -29.87      | 65             | 130         | V        |
|        | * 3.8           | 29.74                | MAv1 | 33.7           | -29.3                  | 34.14                      | 54                 | -19.86      | -                   | -           | 65             | 130         | V        |
| 6      | * 4.876         | 37.54                | PK2  | 34.2           | -26.8                  | 44.94                      | -                  | -           | 74                  | -29.06      | 45             | 140         | V        |
|        | * 4.876         | 27.45                | MAv1 | 34.2           | -26.8                  | 34.85                      | 54                 | -19.15      | -                   | -           | 45             | 140         | 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 T346 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| 1      | * 1.558         | 42.17                | PK2  | 28             | -24.4                  | 45.77                      | -                  | -           | 74                  | -28.23      | 200            | 150         | H        |
|        | * 1.557         | 31.21                | MAv1 | 28.1           | -24.4                  | 34.91                      | 54                 | -19.09      | -                   | -           | 200            | 150         | H        |
| 2      | * 1.543         | 42.01                | PK2  | 28.2           | -24.4                  | 45.81                      | -                  | -           | 74                  | -28.19      | 250            | 170         | V        |
|        | * 1.543         | 31.12                | MAv1 | 28.2           | -24.4                  | 34.92                      | 54                 | -19.08      | -                   | -           | 250            | 170         | V        |
| 3      | * 3.93          | 39.41                | PK2  | 33.6           | -28.9                  | 44.11                      | -                  | -           | 74                  | -29.89      | 310            | 189         | H        |
|        | * 3.931         | 29.49                | MAv1 | 33.6           | -28.9                  | 34.19                      | 54                 | -19.81      | -                   | -           | 310            | 189         | H        |
| 4      | * 3.934         | 40.01                | PK2  | 33.6           | -28.8                  | 44.81                      | -                  | -           | 74                  | -29.19      | 325            | 123         | V        |
|        | * 3.931         | 29.49                | MAv1 | 33.6           | -28.9                  | 34.19                      | 54                 | -19.81      | -                   | -           | 325            | 123         | V        |
| 5      | * 5.143         | 37.53                | PK2  | 34.5           | -27.2                  | 44.83                      | -                  | -           | 74                  | -29.17      | 275            | 115         | V        |
|        | * 5.142         | 27.52                | MAv1 | 34.5           | -27.2                  | 34.82                      | 54                 | -19.18      | -                   | -           | 275            | 115         | V        |
| 6      | * 5.123         | 37.98                | PK2  | 34.6           | -27.2                  | 45.38                      | -                  | -           | 74                  | -28.62      | 150            | 200         | V        |
|        | * 5.124         | 28.1                 | MAv1 | 34.6           | -27.2                  | 35.5                       | 54                 | -18.5       | -                   | -           | 150            | 200         | V        |

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

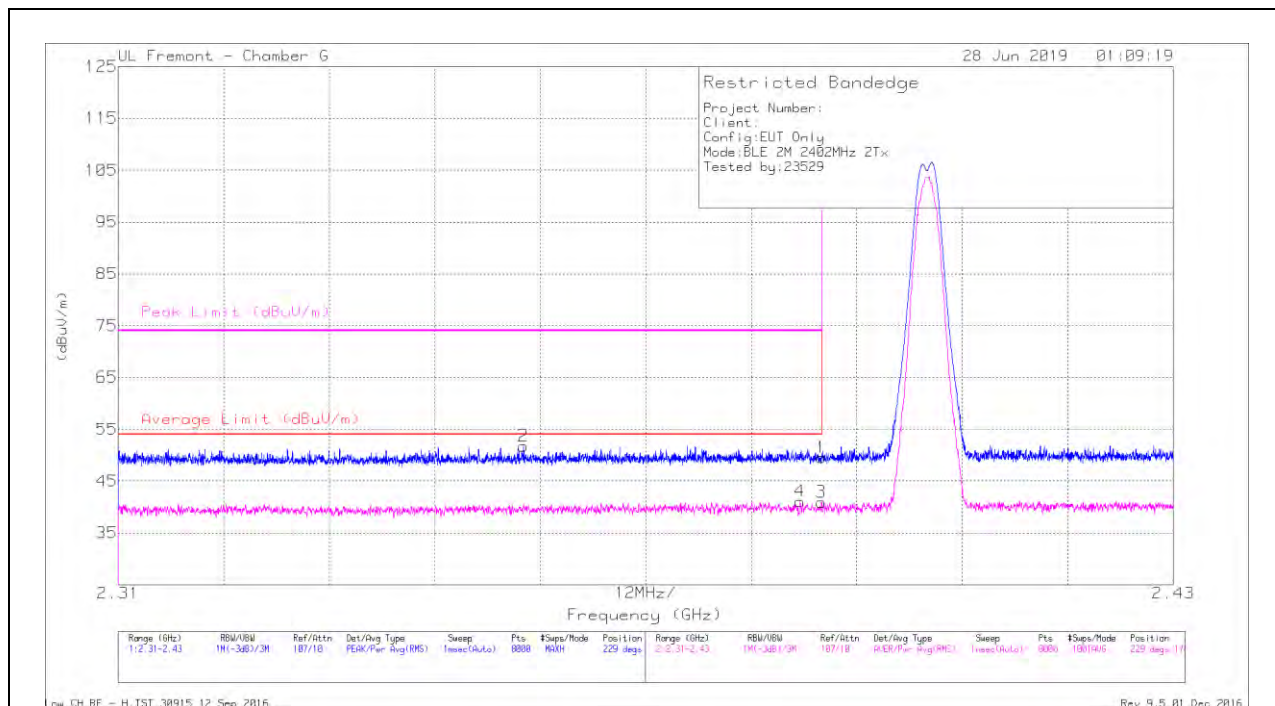
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

## 9.2.8. BEAMFORMING, LOW POWER BLE (2Mbps)

### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT



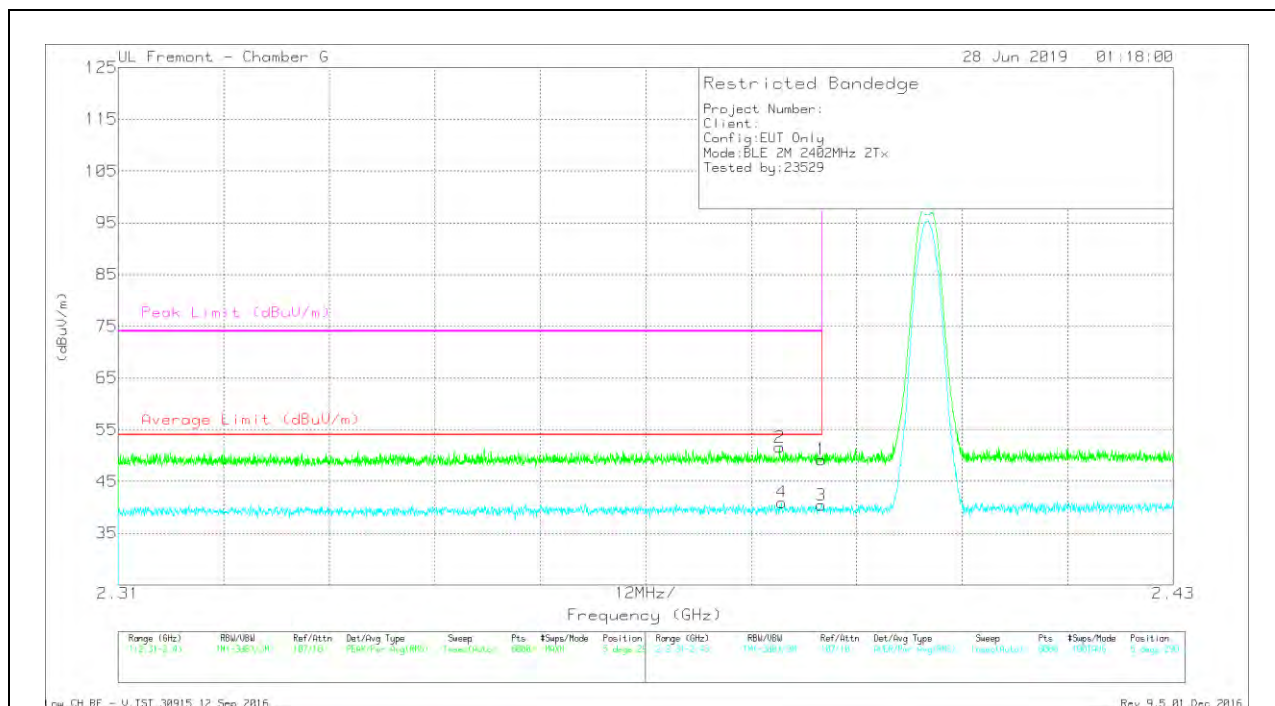
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dBm) | Ampl/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 39.83                | Pk  | 31.9          | -22.2                   | 49.53                      | -                      | -           | 74                  | -24.47         | 229            | 170         | H        |
| 2      | * 2.356         | 42.25                | Pk  | 31.7          | -22.2                   | 51.75                      | -                      | -           | 74                  | -22.25         | 229            | 170         | H        |
| 3      | * 2.39          | 31.23                | RMS | 31.9          | -22.2                   | 40.93                      | 54                     | -13.07      | -                   | -              | 229            | 170         | H        |
| 4      | * 2.388         | 31.39                | RMS | 31.9          | -22.2                   | 41.09                      | 54                     | -12.91      | -                   | -              | 229            | 170         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



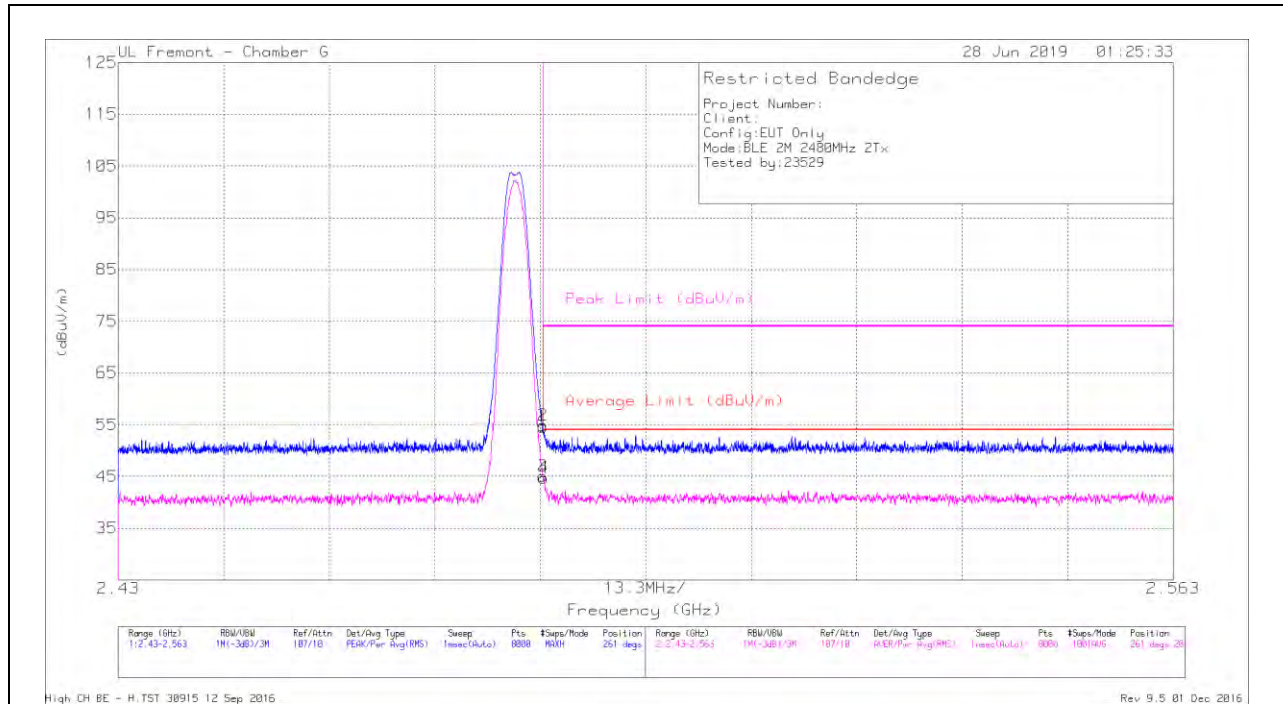
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Ampl/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 39.52                | Pk  | 31.9           | -22.2                   | 49.22                      | -                      | -           | 74                  | -24.78         | 5              | 290         | V        |
| 2      | * 2.385         | 41.89                | Pk  | 31.9           | -22.2                   | 51.59                      | -                      | -           | 74                  | -22.41         | 5              | 290         | V        |
| 3      | * 2.39          | 30.71                | RMS | 31.9           | -22.2                   | 40.41                      | 54                     | -13.59      | -                   | -              | 5              | 290         | V        |
| 4      | * 2.385         | 31.27                | RMS | 31.9           | -22.2                   | 40.97                      | 54                     | -13.03      | -                   | -              | 5              | 290         | V        |

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

Pk - Peak detector

RMS - RMS detection

Low CH BE - V.TST 30915 12 Sep 2016

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

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (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         | 44.3                 | Pk  | 32.4           | -22.1                   | 54.6                       | -                      | -           | 74                  | -19.4          | 261            | 201         | H        |
| 2      | * 2.484         | 44.56                | Pk  | 32.4           | -22.1                   | 54.86                      | -                      | -           | 74                  | -19.14         | 261            | 201         | H        |
| 3      | * 2.484         | 34.72                | RMS | 32.4           | -22.1                   | 45.02                      | 54                     | -8.98       | -                   | -              | 261            | 201         | H        |
| 4      | * 2.484         | 34.39                | RMS | 32.4           | -22.1                   | 44.69                      | 54                     | -9.31       | -                   | -              | 261            | 201         | H        |

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

Pk - Peak detector

RMS - RMS detection

UL Fremont - Chamber G

28 Jun 2019 01:33:10

Restricted Bandedge

Project Number:  
Client:  
Config: EUT Only  
Mode: BLE 2M 2480MHz 2Tx  
Tested by: 23529

(dBuV/m)

Peak Limit (dBuV/m)

Average Limit (dBuV/m)

13.3MHz/

Frequency (GHz)

2.43 2.563

| Range (GHz) | RBW/VBW | Ref/Att | Det/Avg Type   | Sweep        | Pts   | #Seps/Mode | Position | Range (GHz) | RBW/VBW | Ref/Att | Det/Avg Type   | Sweep        | Pts   | #Seps/Mode | Position |
|-------------|---------|---------|----------------|--------------|-------|------------|----------|-------------|---------|---------|----------------|--------------|-------|------------|----------|
| 2.43-2.563  | 1M/300K | 107/10  | Peak/Avg (RMS) | Trace (Auto) | 10000 | 10000      | 177 dBm  | 2.43-2.563  | 1M/300K | 107/10  | Peak/Avg (RMS) | Trace (Auto) | 10000 | 10000      | 177 dBm  |

High CH BE - V.TST 30915 12 Sep 2016

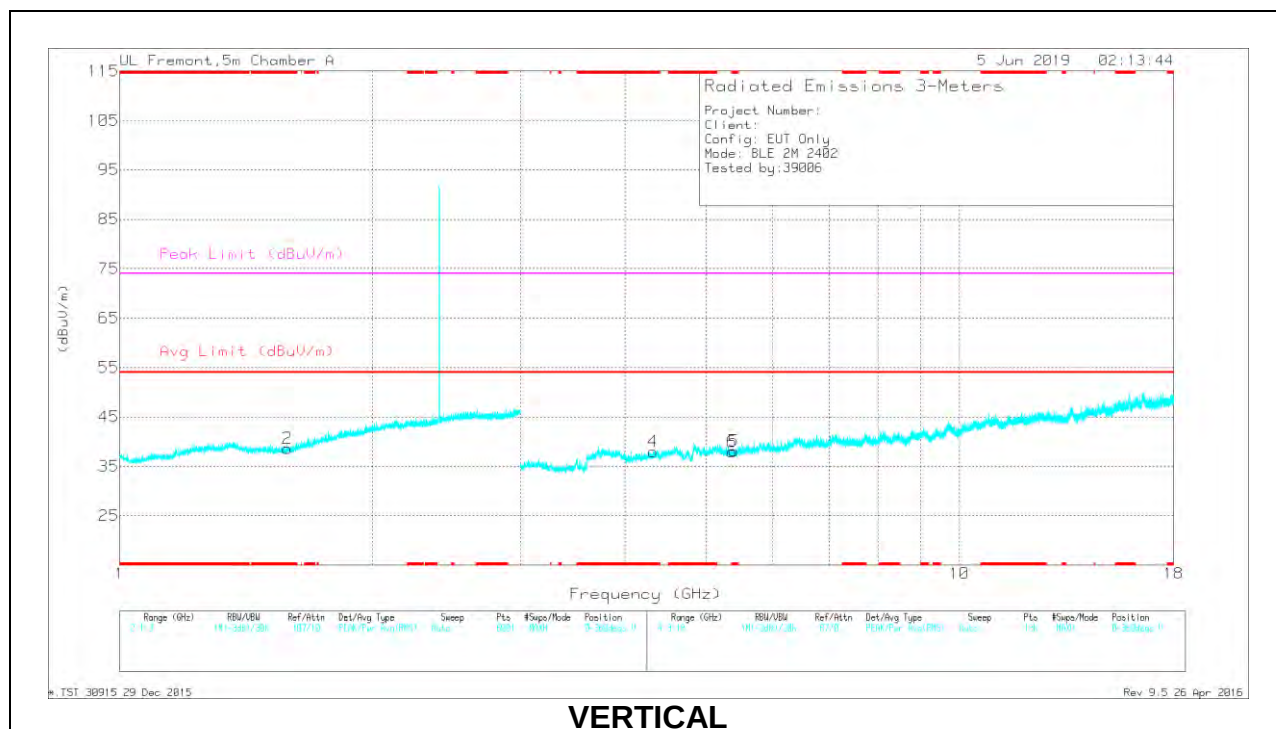
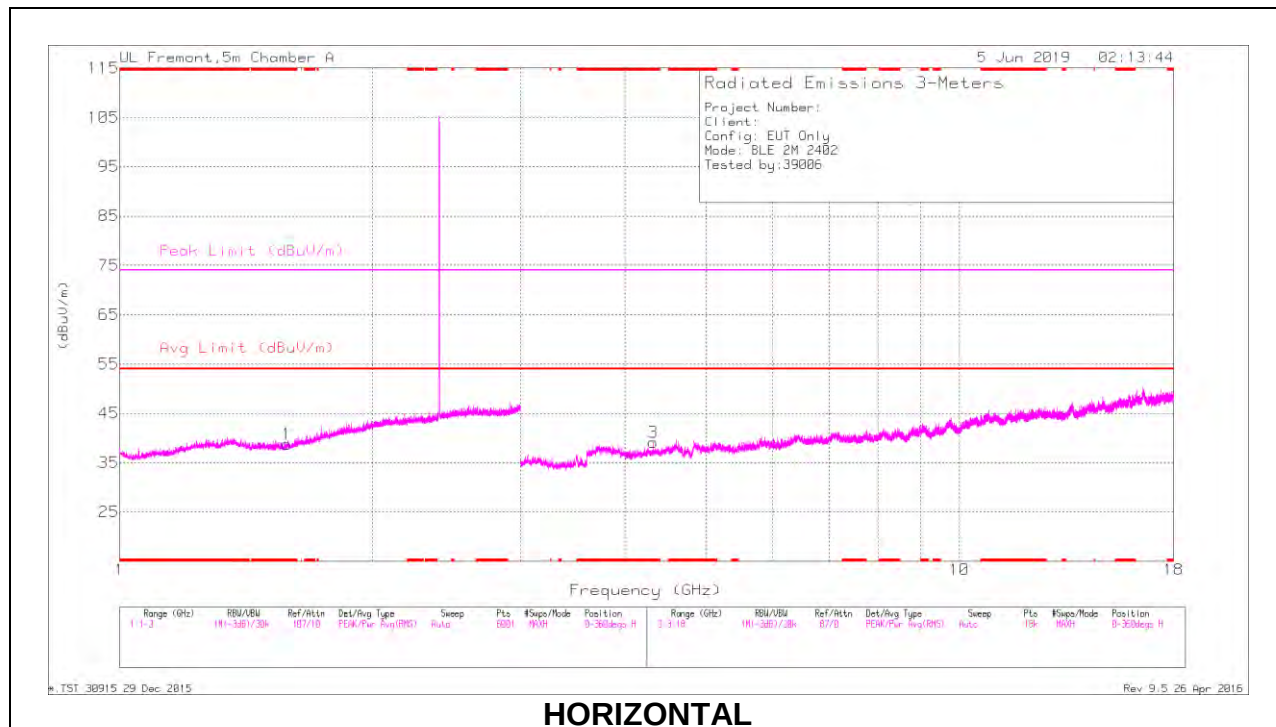
Rev 9.5 01 Dec 2016

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/CbU/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 41.49                | Pk  | 32.4           | -22.1                  | 51.79                      | -                      | -           | 74                  | -22.21         | 177            | 325         | V        |
| 3      | * 2.484         | 31.19                | RMS | 32.4           | -22.1                  | 41.49                      | 54                     | -12.51      | -                   | -              | 177            | 325         | V        |
| 4      | * 2.484         | 31.55                | RMS | 32.4           | -22.1                  | 41.85                      | 54                     | -12.15      | -                   | -              | 177            | 325         | V        |
| 2      | 2.535           | 42.45                | Pk  | 32.4           | -22.2                  | 52.65                      | -                      | -           | 74                  | -21.35         | 177            | 325         | V        |

Pk - Peak detector  
RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



## RADIATED EMISSIONS

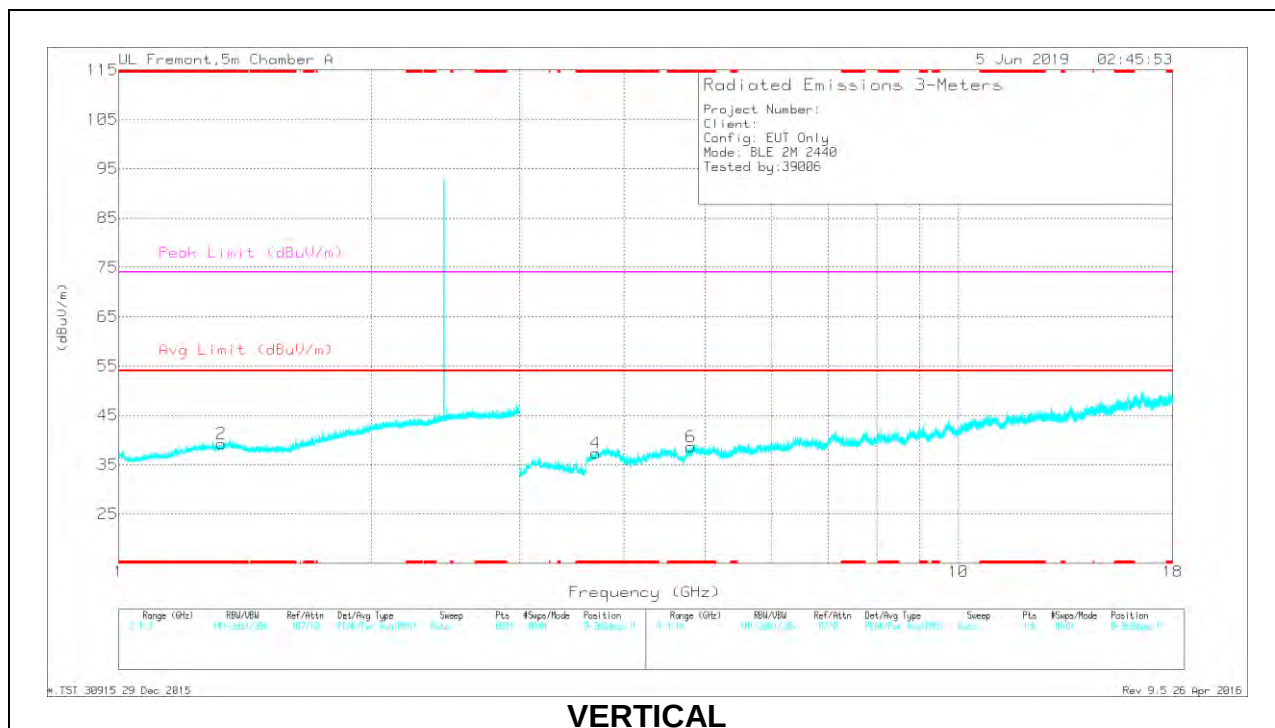
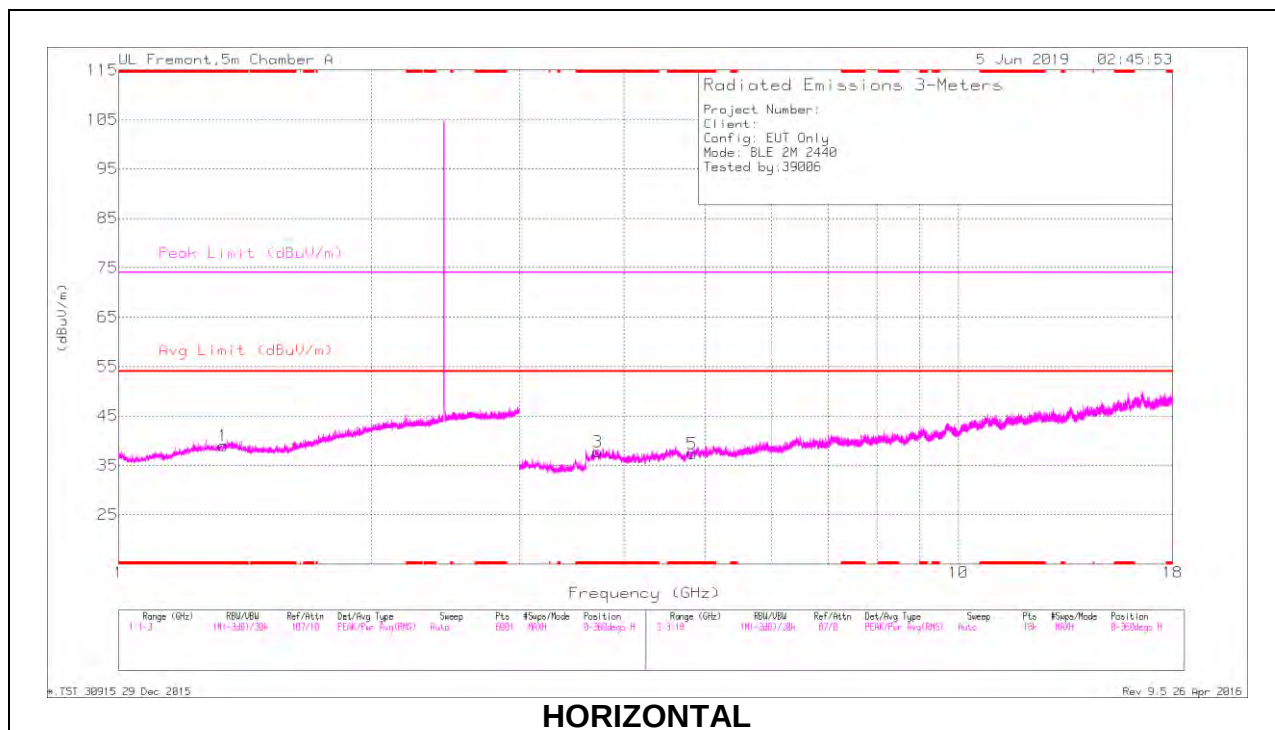
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T346 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| 1      | * 1.584         | 41.7                 | PK2  | 28.1           | -24.3                 | 45.5                       | -                  | -           | 74                  | -28.5       | 60             | 150         | H        |
|        | * 1.581         | 31.2                 | MAv1 | 28.1           | -24.2                 | 35.1                       | 54                 | -18.9       | -                   | -           | 60             | 150         | H        |
| 2      | * 1.584         | 41.77                | PK2  | 28.1           | -24.3                 | 45.57                      | -                  | -           | 74                  | -28.43      | 86             | 155         | V        |
|        | * 1.585         | 31.22                | MAv1 | 28.1           | -24.3                 | 35.02                      | 54                 | -18.98      | -                   | -           | 86             | 155         | V        |
| 3      | * 4.323         | 39.25                | PK2  | 33.6           | -28.2                 | 44.65                      | -                  | -           | 74                  | -29.35      | 97             | 160         | H        |
|        | * 4.323         | 28.91                | MAv1 | 33.6           | -28.2                 | 34.31                      | 54                 | -19.69      | -                   | -           | 97             | 160         | H        |
| 4      | * 4.32          | 39.43                | PK2  | 33.6           | -28.2                 | 44.83                      | -                  | -           | 74                  | -29.17      | 130            | 115         | V        |
|        | * 4.322         | 28.85                | MAv1 | 33.6           | -28.2                 | 34.25                      | 54                 | -19.75      | -                   | -           | 130            | 115         | V        |
| 5      | * 5.391         | 37.82                | PK2  | 34.9           | -27.6                 | 45.12                      | -                  | -           | 74                  | -28.88      | 40             | 146         | V        |
|        | * 5.391         | 27.31                | MAv1 | 34.9           | -27.6                 | 34.61                      | 54                 | -19.39      | -                   | -           | 40             | 146         | V        |
| 6      | * 5.359         | 37.8                 | PK2  | 35             | -27.8                 | 45                         | -                  | -           | 74                  | -29         | 66             | 130         | V        |
|        | * 5.359         | 27.4                 | MAv1 | 35             | -27.8                 | 34.6                       | 54                 | -19.4       | -                   | -           | 66             | 130         | 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

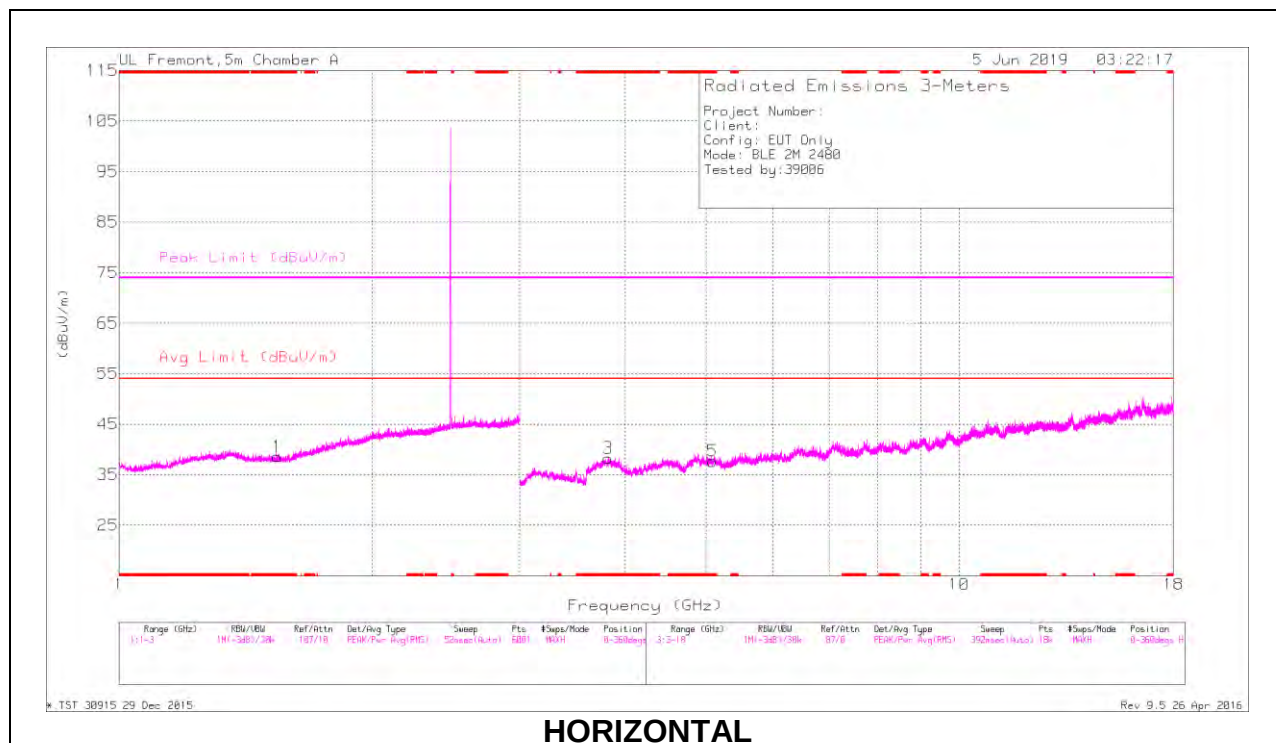
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T346 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| 1      | * 1.331         | 42.3                 | PK2  | 29             | -25                    | 46.3                       | -                  | -           | 74                  | -27.7       | 65             | 150         | H        |
|        | * 1.333         | 31.39                | MAv1 | 29.1           | -25                    | 35.49                      | 54                 | -18.51      | -                   | -           | 65             | 150         | H        |
| 2      | * 1.323         | 42.67                | PK2  | 29.1           | -24.9                  | 46.87                      | -                  | -           | 74                  | -27.13      | 86             | 155         | V        |
|        | * 1.326         | 31.29                | MAv1 | 29.1           | -24.9                  | 35.49                      | 54                 | -18.51      | -                   | -           | 86             | 155         | V        |
| 3      | * 3.716         | 38.98                | PK2  | 33.3           | -28.6                  | 43.68                      | -                  | -           | 74                  | -30.32      | 110            | 140         | H        |
|        | * 3.717         | 29.25                | MAv1 | 33.3           | -28.6                  | 33.95                      | 54                 | -20.05      | -                   | -           | 110            | 140         | H        |
| 5      | * 4.82          | 37.86                | PK2  | 34.4           | -27                    | 45.26                      | -                  | -           | 74                  | -28.74      | 130            | 165         | H        |
|        | * 4.82          | 27.43                | MAv1 | 34.4           | -27                    | 34.83                      | 54                 | -19.17      | -                   | -           | 130            | 165         | H        |
| 4      | * 3.701         | 39.9                 | PK2  | 33.2           | -28.6                  | 44.5                       | -                  | -           | 74                  | -29.5       | 180            | 190         | V        |
|        | * 3.703         | 29.42                | MAv1 | 33.2           | -28.6                  | 34.02                      | 54                 | -19.98      | -                   | -           | 180            | 190         | V        |
| 6      | * 4.802         | 37.26                | PK2  | 34.3           | -27.5                  | 44.06                      | -                  | -           | 74                  | -29.94      | 42             | 160         | V        |
|        | * 4.803         | 27.51                | MAv1 | 34.3           | -27.5                  | 34.31                      | 54                 | -19.69      | -                   | -           | 42             | 160         | V        |

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

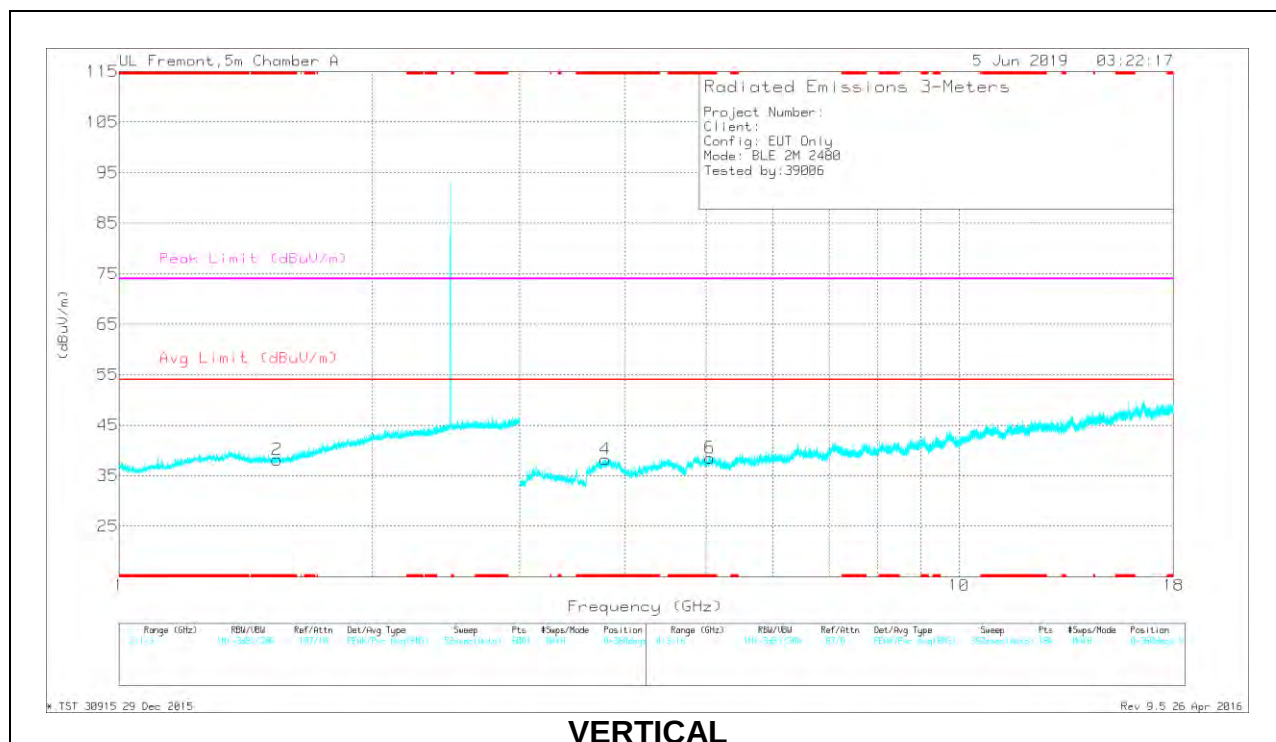
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

## HIGH CHANNEL RESULTS



## HORIZONTAL



## VERTICAL

## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T346 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| 1      | * 1.542         | 42.13                | PK2  | 28.2           | -24.4                  | 45.93                      | -                  | -           | 74                  | -28.07      | 80             | 115         | H        |
|        | * 1.544         | 31.56                | MAv1 | 28.2           | -24.4                  | 35.36                      | 54                 | -18.64      | -                   | -           | 80             | 115         | H        |
| 2      | * 1.541         | 41.44                | PK2  | 28.1           | -24.4                  | 45.14                      | -                  | -           | 74                  | -28.86      | 60             | 160         | V        |
|        | * 1.54          | 31.37                | MAv1 | 28.1           | -24.4                  | 35.07                      | 54                 | -18.93      | -                   | -           | 60             | 160         | V        |
| 3      | * 3.825         | 40.2                 | PK2  | 33.7           | -29                    | 44.9                       | -                  | -           | 74                  | -29.1       | 42             | 130         | H        |
|        | * 3.826         | 30.06                | MAv1 | 33.7           | -29                    | 34.76                      | 54                 | -19.24      | -                   | -           | 42             | 130         | H        |
| 5      | * 5.086         | 38.76                | PK2  | 34.4           | -27.8                  | 45.36                      | -                  | -           | 74                  | -28.64      | 53             | 141         | H        |
|        | * 5.084         | 28.39                | MAv1 | 34.4           | -28                    | 34.79                      | 54                 | -19.21      | -                   | -           | 53             | 141         | H        |
| 4      | * 3.792         | 39.34                | PK2  | 33.7           | -29.2                  | 43.84                      | -                  | -           | 74                  | -30.16      | 94             | 150         | V        |
|        | * 3.793         | 29.37                | MAv1 | 33.7           | -29.2                  | 33.87                      | 54                 | -20.13      | -                   | -           | 94             | 150         | V        |
| 6      | * 5.051         | 39.88                | PK2  | 34.3           | -28.2                  | 45.98                      | -                  | -           | 74                  | -28.02      | 66             | 153         | V        |
|        | * 5.05          | 29.11                | MAv1 | 34.3           | -28.2                  | 35.21                      | 54                 | -18.79      | -                   | -           | 66             | 153         | V        |

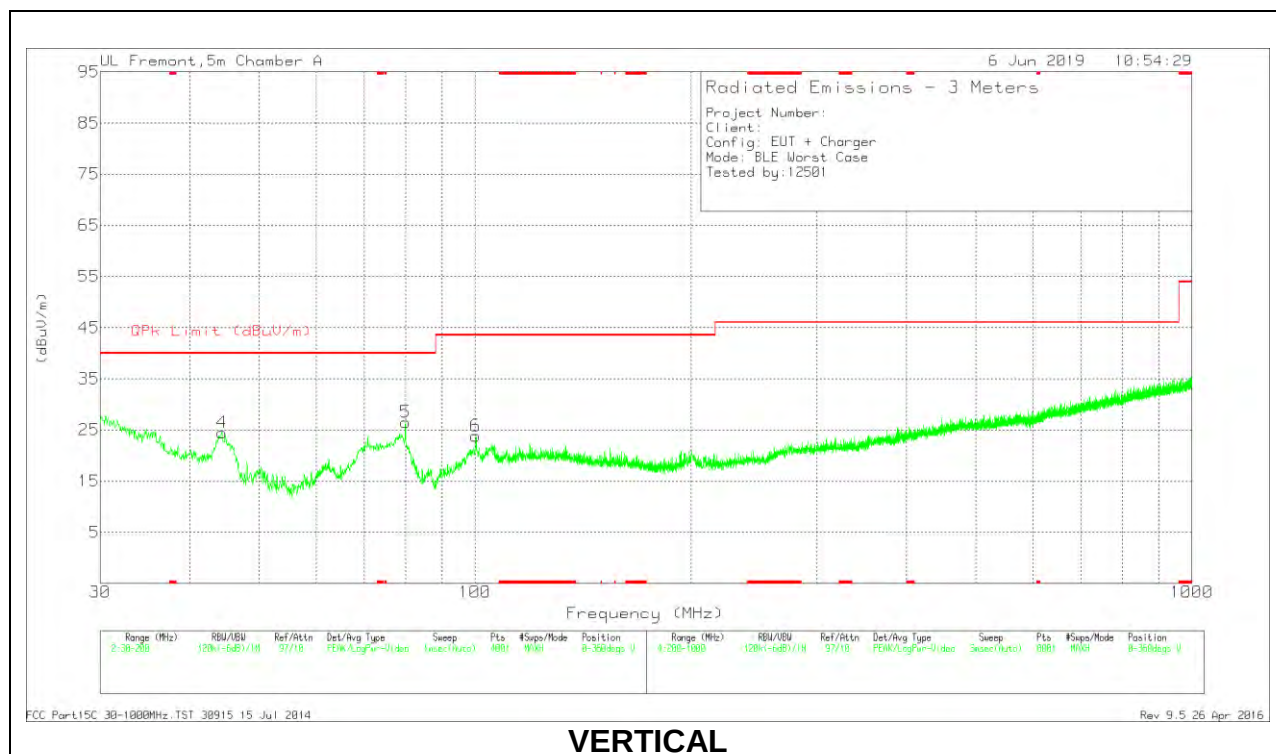
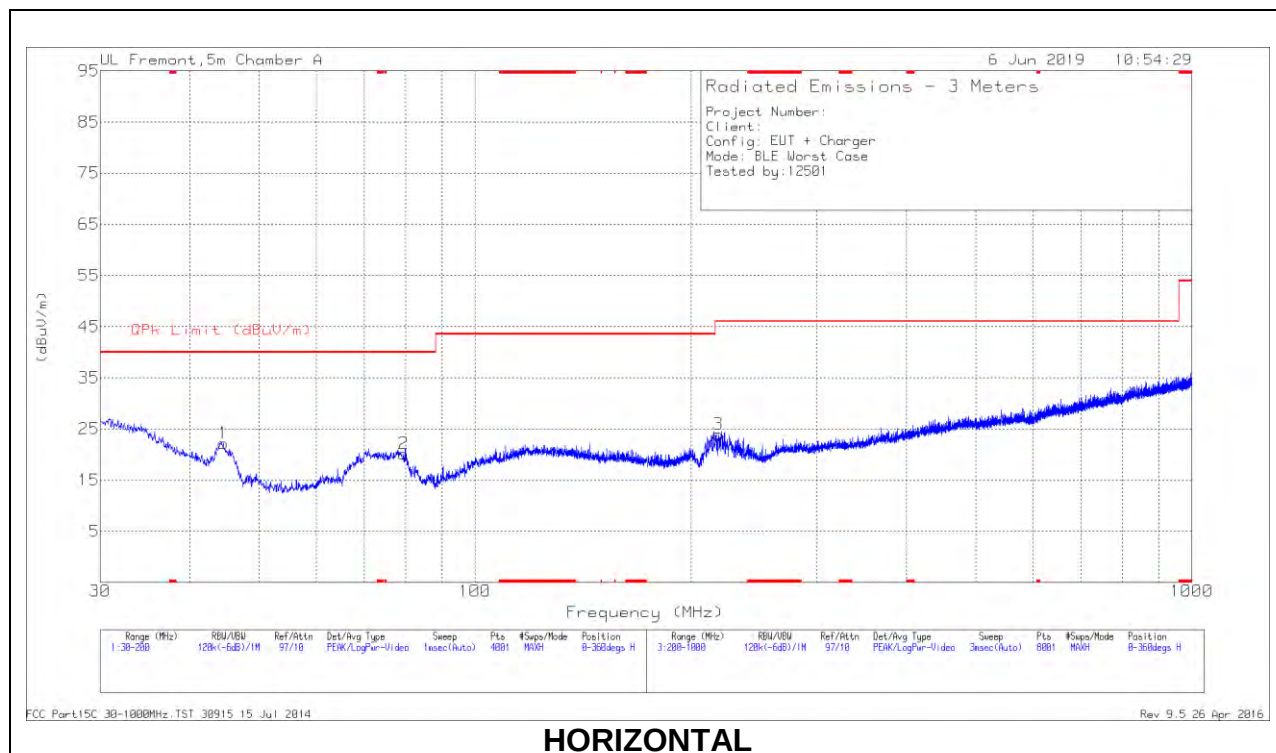
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### 9.3. WORST CASE BELOW 1 GHZ

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



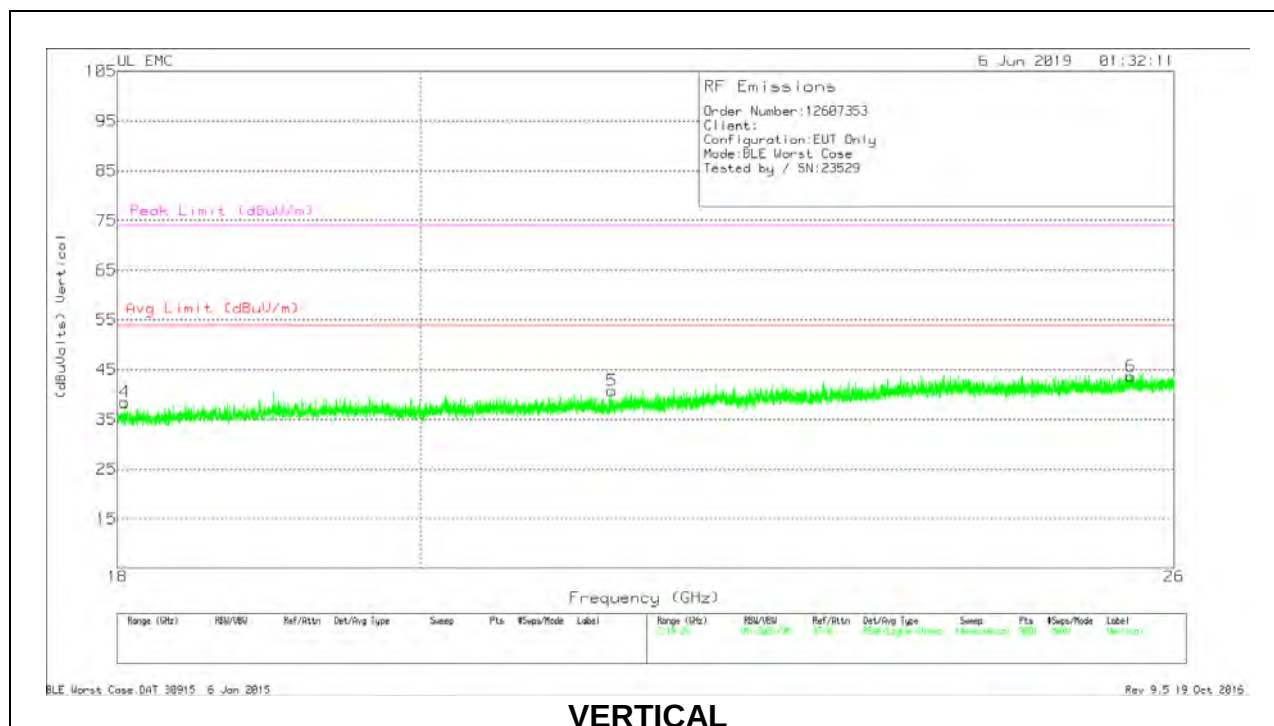
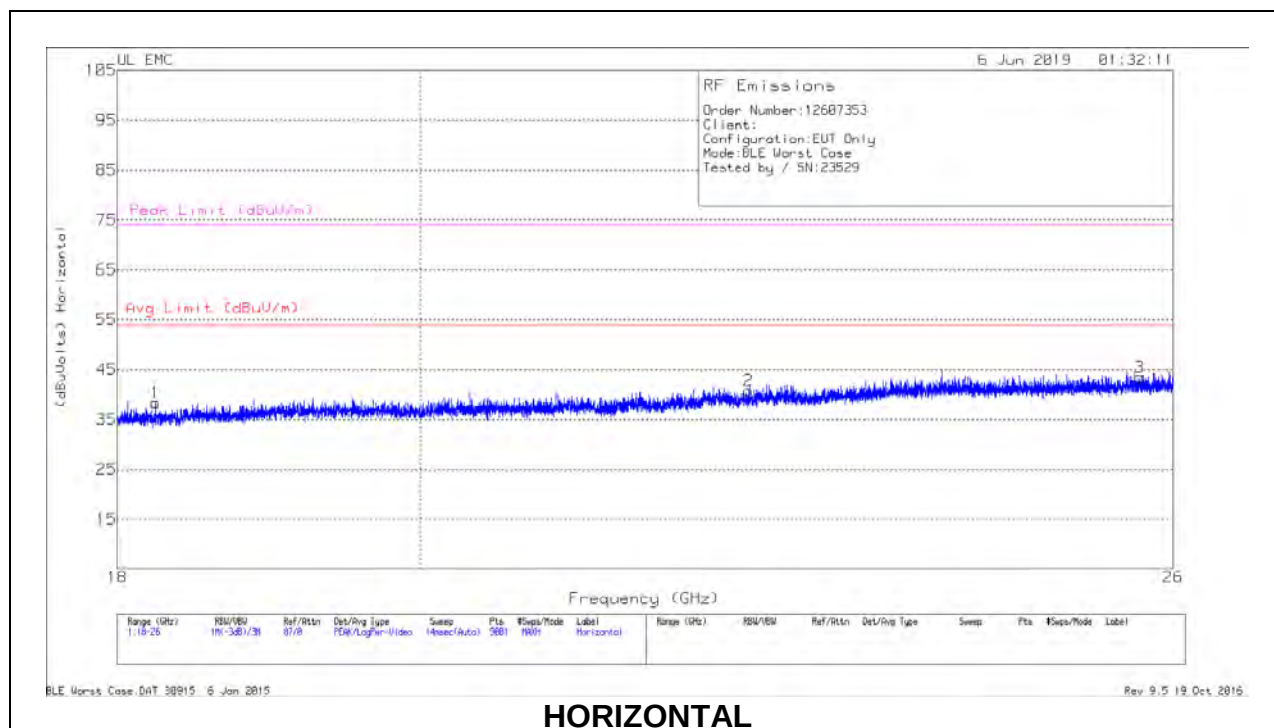
## Below 1GHz Data

| 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 |
|-----------------|----------------------|-----|----------------------|----------------|----------------------------|--------------------|-------------|----------------|-------------|----------|
| 44.3668         | 31.16                | Qp  | 16.4                 | -27            | 20.56                      | 40                 | -19.44      | 38             | 100         | V        |
| 44.3851         | 28.8                 | Qp  | 16.4                 | -27            | 18.2                       | 40                 | -21.8       | 129            | 145         | H        |
| 79.693          | 28.58                | Qp  | 13.4                 | -26.5          | 15.48                      | 40                 | -24.52      | 132            | 185         | H        |
| 79.986          | 30.89                | Qp  | 13.4                 | -26.5          | 17.79                      | 40                 | -22.21      | 69             | 251         | V        |
| 100.2931        | 29.08                | Qp  | 16.4                 | -26.3          | 19.18                      | 43.52              | -24.34      | 59             | 117         | V        |
| 218.6912        | 22.92                | Qp  | 16.6                 | -24.9          | 14.62                      | 46.02              | -31.4       | 138            | 264         | H        |

Qp - Quasi-Peak detector

## 9.4. WORST CASE 18 - 26 GHZ

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



## 18 - 26GHz Data

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 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      | 18.242          | 37.87                | Pk  | 32.3           | -22.3        | -9.5           | 38.37                        | 54                 | -15.63      | 74                  | -35.63         |
| 2      | 22.425          | 37                   | Pk  | 33.5           | -20.2        | -9.5           | 40.8                         | 54                 | -13.2       | 74                  | -33.2          |
| 3      | 25.696          | 38.55                | Pk  | 34.4           | -20          | -9.5           | 43.45                        | 54                 | -10.55      | 74                  | -30.55         |
| 4      | 18.046          | 37.86                | Pk  | 32.5           | -22.4        | -9.5           | 38.46                        | 54                 | -15.54      | 74                  | -35.54         |
| 5      | 21.376          | 38.59                | Pk  | 33             | -21.3        | -9.5           | 40.79                        | 54                 | -13.21      | 74                  | -33.21         |
| 6      | 25.61           | 38.69                | Pk  | 34.4           | -19.9        | -9.5           | 43.69                        | 54                 | -10.31      | 74                  | -30.31         |

Pk - Peak detector

## 10. AC POWER LINE CONDUCTED EMISSIONS

### LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

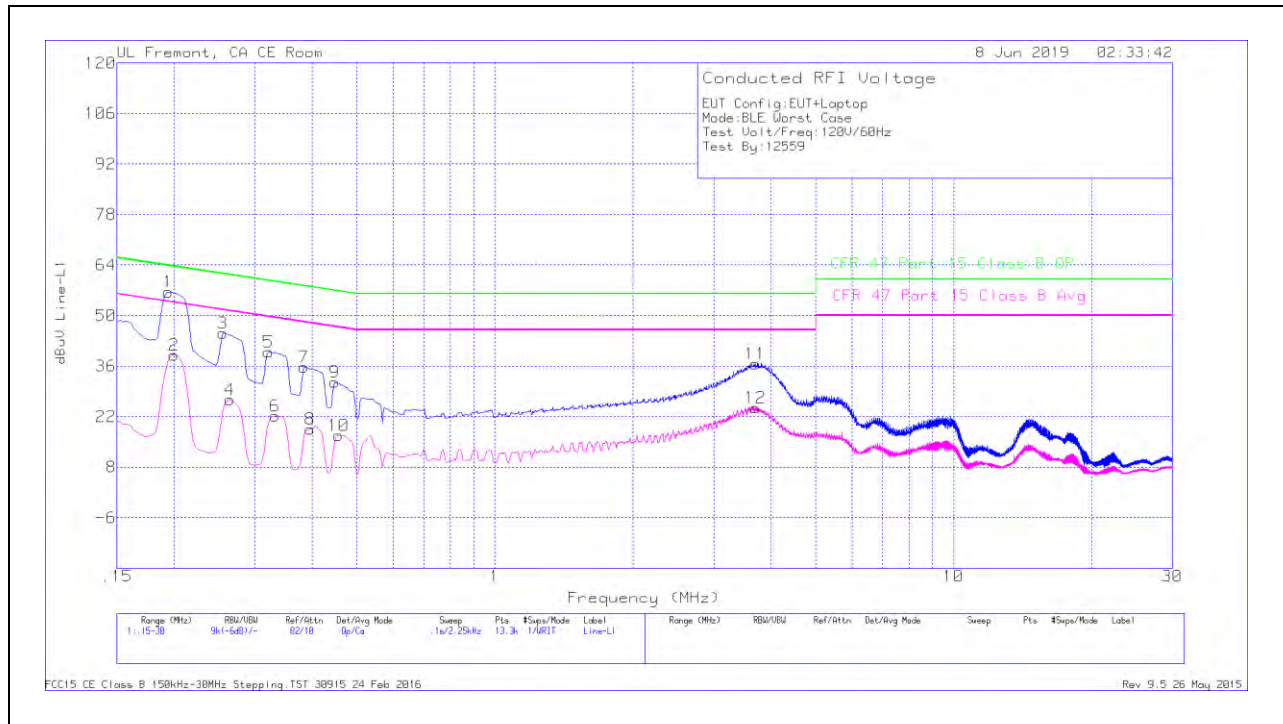
| Frequency of Emission (MHz) | Conducted Limit (dBuV) |           |
|-----------------------------|------------------------|-----------|
|                             | Quasi-peak             | Average   |
| 0.15-0.5                    | 66 to 56*              | 56 to 46* |
| 0.5-5                 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

\* Decreases with the logarithm of the frequency.

### RESULTS

## 10.1. AC Power Line Host

### LINE 1 RESULTS

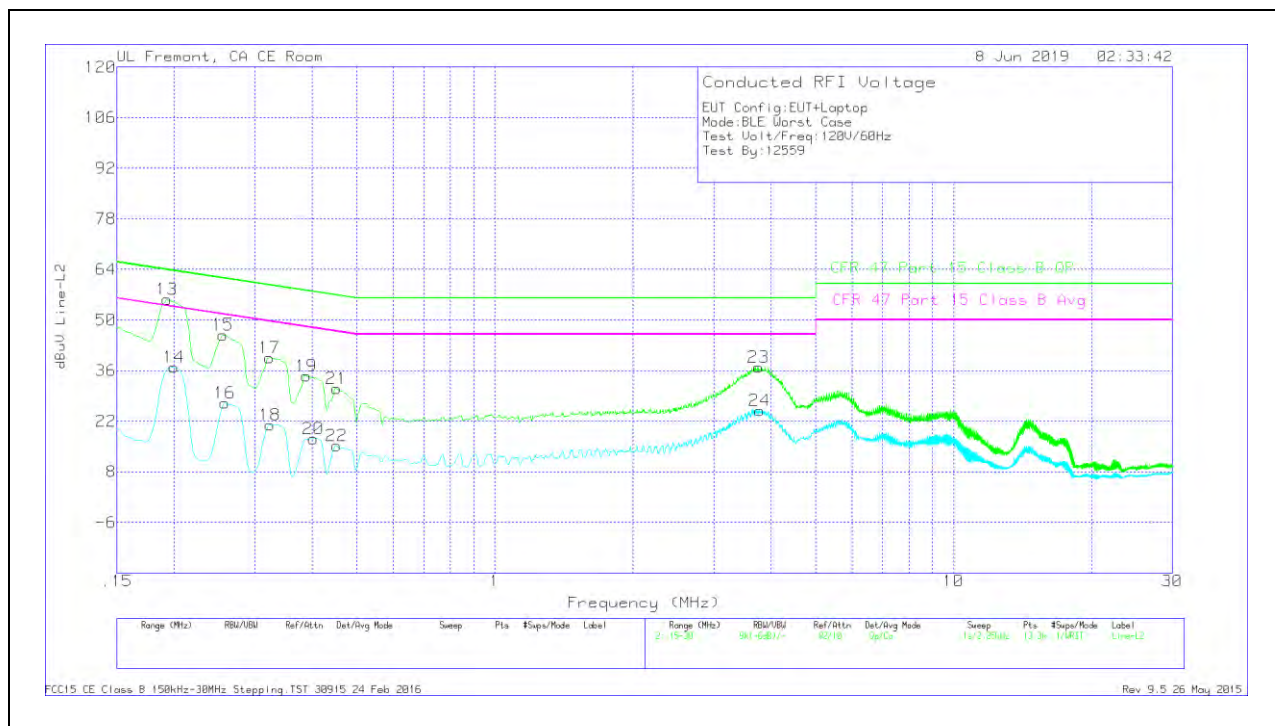


| Range 1: Line-L1 .15 - 30MHz |                 |                      |     |         |                 |              |                        |                           |                |                            |                       |
|------------------------------|-----------------|----------------------|-----|---------|-----------------|--------------|------------------------|---------------------------|----------------|----------------------------|-----------------------|
| 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                            | .19388          | 46.42                | Qp  | 0       | 0               | 10.1         | 56.52                  | 63.87                     | -7.35          | -                          | -                     |
| 2                            | .1995           | 29                   | Ca  | 0       | 0               | 10.1         | 39.1                   | -                         | -              | 53.63                      | -14.53                |
| 3                            | .25575          | 35.11                | Qp  | 0       | 0               | 10.1         | 45.21                  | 61.57                     | -16.36         | -                          | -                     |
| 4                            | .26475          | 16.65                | Ca  | 0       | 0               | 10.1         | 26.75                  | -                         | -              | 51.28                      | -24.53                |
| 5                            | .321            | 29.82                | Qp  | 0       | 0               | 10.1         | 39.92                  | 59.68                     | -19.76         | -                          | -                     |
| 6                            | .33225          | 12.08                | Ca  | 0       | 0               | 10.1         | 22.18                  | -                         | -              | 49.39                      | -27.21                |
| 7                            | .384            | 25.7                 | Qp  | 0       | 0               | 10.1         | 35.8                   | 58.19                     | -22.39         | -                          | -                     |
| 8                            | .39525          | 8.36                 | Ca  | 0       | 0               | 10.1         | 18.46                  | -                         | -              | 47.95                      | -29.49                |
| 9                            | .447            | 21.41                | Qp  | 0       | 0               | 10.1         | 31.51                  | 56.93                     | -25.42         | -                          | -                     |
| 10                           | .456            | 6.67                 | Ca  | 0       | 0               | 10.1         | 16.77                  | -                         | -              | 46.77                      | -30                   |
| 11                           | 3.69375         | 26.39                | Qp  | 0       | .1              | 10.1         | 36.59                  | 56                        | -19.41         | -                          | -                     |
| 12                           | 3.696           | 14.25                | Ca  | 0       | .1              | 10.1         | 24.45                  | -                         | -              | 46                         | -21.55                |

Qp - Quasi-Peak detector

Ca - CISPR average detection

## LINE 2 RESULTS



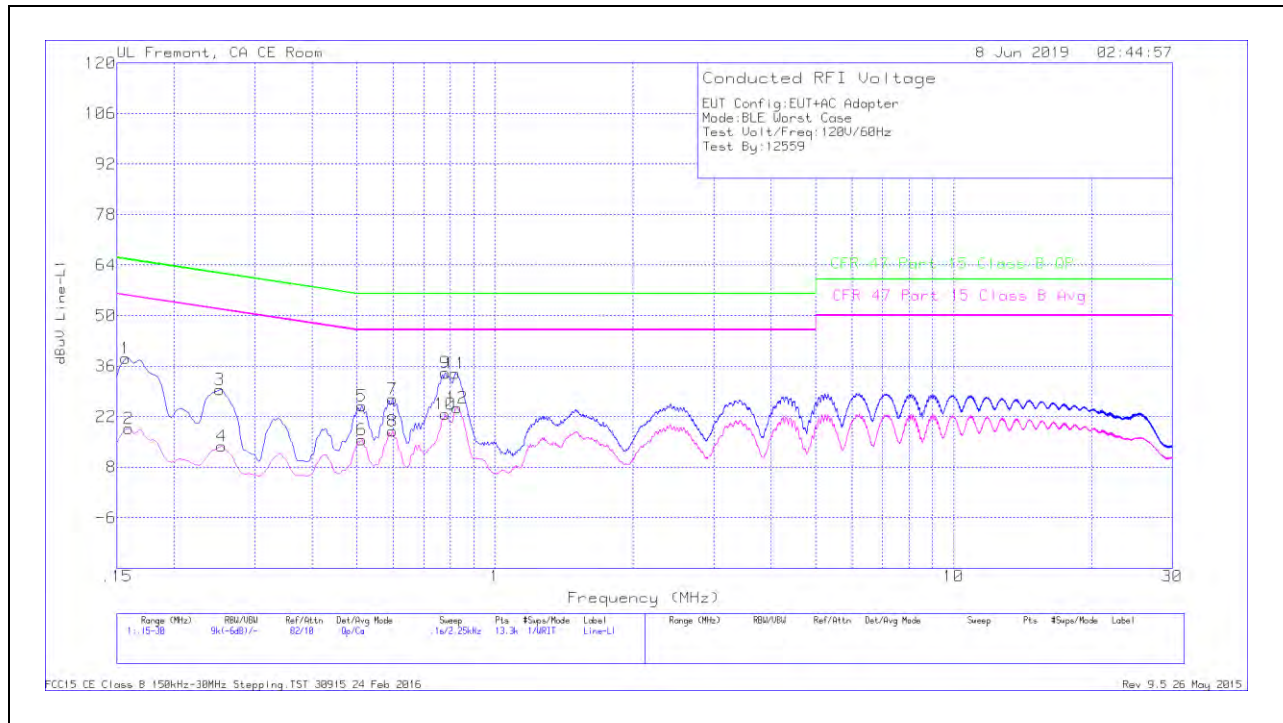
| Range 2: Line-L2 .15 - 30MHz |                 |                      |     |         |                 |              |                        |                           |                |                            |                       |
|------------------------------|-----------------|----------------------|-----|---------|-----------------|--------------|------------------------|---------------------------|----------------|----------------------------|-----------------------|
| 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                           | .19275          | 45.58                | Qp  | 0       | 0               | 10.1         | 55.68                  | 63.92                     | -8.24          | -                          | -                     |
| 14                           | .1995           | 26.91                | Ca  | 0       | 0               | 10.1         | 37.01                  | -                         | -              | 53.63                      | -16.62                |
| 15                           | .25575          | 35.81                | Qp  | 0       | 0               | 10.1         | 45.91                  | 61.57                     | -15.66         | -                          | -                     |
| 16                           | .258            | 16.88                | Ca  | 0       | 0               | 10.1         | 26.98                  | -                         | -              | 51.5                       | -24.52                |
| 17                           | .32212          | 29.53                | Qp  | 0       | 0               | 10.1         | 39.63                  | 59.65                     | -20.02         | -                          | -                     |
| 18                           | .32325          | 10.85                | Ca  | 0       | 0               | 10.1         | 20.95                  | -                         | -              | 49.62                      | -28.67                |
| 19                           | .3885           | 24.42                | Qp  | 0       | 0               | 10.1         | 34.52                  | 58.1                      | -23.58         | -                          | -                     |
| 20                           | .402            | 7.11                 | Ca  | 0       | 0               | 10.1         | 17.21                  | -                         | -              | 47.81                      | -30.6                 |
| 21                           | .4515           | 20.95                | Qp  | 0       | 0               | 10.1         | 31.05                  | 56.85                     | -25.8          | -                          | -                     |
| 22                           | .4515           | 5.13                 | Ca  | 0       | 0               | 10.1         | 15.23                  | -                         | -              | 46.85                      | -31.62                |
| 23                           | 3.75675         | 26.76                | Qp  | 0       | .1              | 10.1         | 36.96                  | 56                        | -19.04         | -                          | -                     |
| 24                           | 3.777           | 14.84                | Ca  | 0       | .1              | 10.1         | 25.04                  | -                         | -              | 46                         | -20.96                |

Qp - Quasi-Peak detector

Ca - CISPR average detection

## 10.2. AC Power Line Norm

### LINE 1 RESULTS

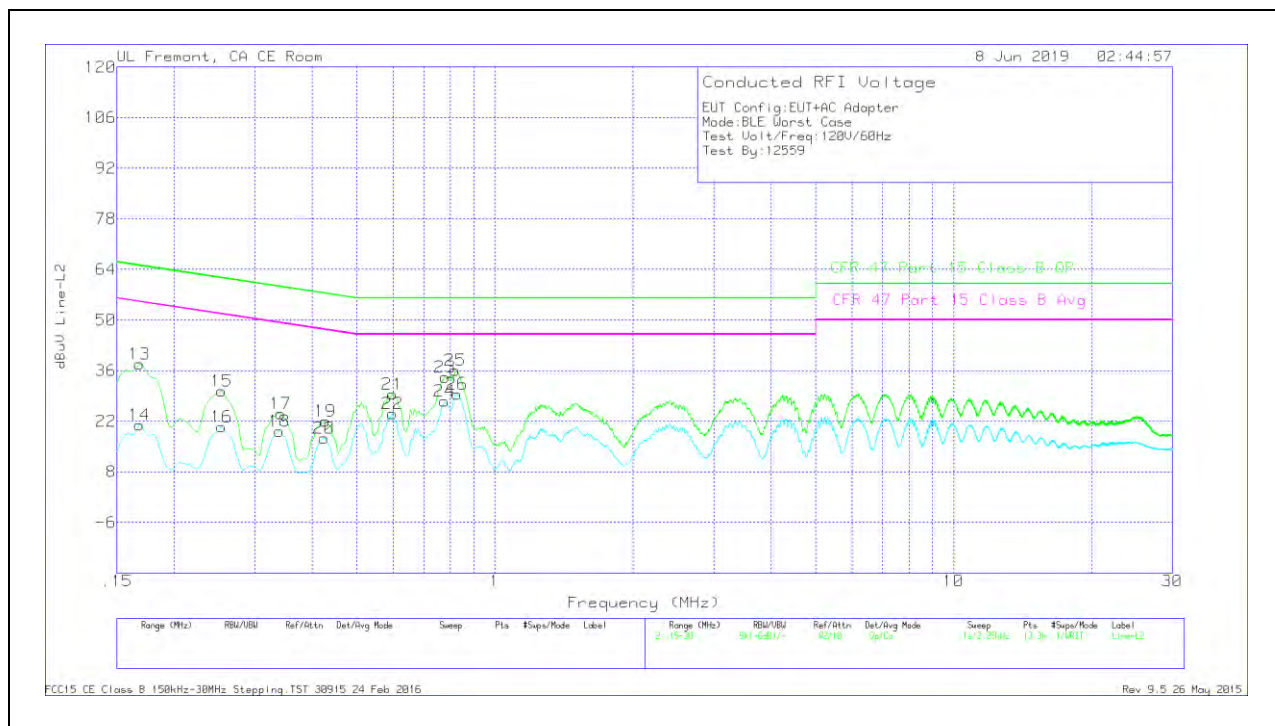


| Range 1: Line-L1 .15 - 30MHz |                 |                      |     |         |                 |              |                        |                           |                |                            |                       |
|------------------------------|-----------------|----------------------|-----|---------|-----------------|--------------|------------------------|---------------------------|----------------|----------------------------|-----------------------|
| 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                            | .15675          | 27.95                | Qp  | .1      | 0               | 10.1         | 38.15                  | 65.63                     | -27.48         | -                          | -                     |
| 2                            | .159            | 8.48                 | Ca  | .1      | 0               | 10.1         | 18.68                  | -                         | -              | 55.52                      | -36.84                |
| 3                            | .25125          | 19.46                | Qp  | 0       | 0               | 10.1         | 29.56                  | 61.72                     | -32.16         | -                          | -                     |
| 4                            | .2535           | 3.68                 | Ca  | 0       | 0               | 10.1         | 13.78                  | -                         | -              | 51.64                      | -37.86                |
| 5                            | .51225          | 14.81                | Qp  | 0       | 0               | 10.1         | 24.91                  | 56                        | -31.09         | -                          | -                     |
| 6                            | .51225          | 5.46                 | Ca  | 0       | 0               | 10.1         | 15.56                  | -                         | -              | 46                         | -30.44                |
| 7                            | .59775          | 16.85                | Qp  | 0       | 0               | 10.1         | 26.95                  | 56                        | -29.05         | -                          | -                     |
| 8                            | .59775          | 7.98                 | Ca  | 0       | 0               | 10.1         | 18.08                  | -                         | -              | 46                         | -27.92                |
| 9                            | .78             | 24                   | Qp  | 0       | 0               | 10.1         | 34.1                   | 56                        | -21.9          | -                          | -                     |
| 10                           | .78             | 12.53                | Ca  | 0       | 0               | 10.1         | 22.63                  | -                         | -              | 46                         | -23.37                |
| 11                           | .8205           | 23.92                | Qp  | 0       | 0               | 10.1         | 34.02                  | 56                        | -21.98         | -                          | -                     |
| 12                           | .82725          | 14.35                | Ca  | 0       | 0               | 10.1         | 24.45                  | -                         | -              | 46                         | -21.55                |

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                           | .168            | 27.65                | Qp  | .1      | 0               | 10.1         | 37.85                  | 65.06                     | -27.21         | -                          | -                     |
| 14                           | .168            | 10.76                | Ca  | .1      | 0               | 10.1         | 20.96                  | -                         | -              | 55.06                      | -34.1                 |
| 15                           | .2535           | 20.18                | Qp  | 0       | 0               | 10.1         | 30.28                  | 61.64                     | -31.36         | -                          | -                     |
| 16                           | .2535           | 10.33                | Ca  | 0       | 0               | 10.1         | 20.43                  | -                         | -              | 51.64                      | -31.21                |
| 17                           | .34125          | 14.01                | Qp  | 0       | 0               | 10.1         | 24.11                  | 59.17                     | -35.06         | -                          | -                     |
| 18                           | .339            | 9.2                  | Ca  | 0       | 0               | 10.1         | 19.3                   | -                         | -              | 49.23                      | -29.93                |
| 19                           | .42675          | 11.93                | Qp  | 0       | 0               | 10.1         | 22.03                  | 57.32                     | -35.29         | -                          | -                     |
| 20                           | .4245           | 7.25                 | Ca  | 0       | 0               | 10.1         | 17.35                  | -                         | -              | 47.36                      | -30.01                |
| 21                           | .59775          | 19.37                | Qp  | 0       | 0               | 10.1         | 29.47                  | 56                        | -26.53         | -                          | -                     |
| 22                           | .59775          | 13.93                | Ca  | 0       | 0               | 10.1         | 24.03                  | -                         | -              | 46                         | -21.97                |
| 23                           | .78             | 24.1                 | Qp  | 0       | 0               | 10.1         | 34.2                   | 56                        | -21.8          | -                          | -                     |
| 24                           | .77775          | 17.48                | Ca  | 0       | 0               | 10.1         | 27.58                  | -                         | -              | 46                         | -18.42                |
| 25                           | .8205           | 26.04                | Qp  | 0       | 0               | 10.1         | 36.14                  | 56                        | -19.86         | -                          | -                     |
| 26                           | .82725          | 19.47                | Ca  | 0       | 0               | 10.1         | 29.57                  | -                         | -              | 46                         | -16.43                |

Qp - Quasi-Peak detector

Ca - CISPR average detection

## END OF TEST REPORT

## **11. SETUP PHOTOS**

Please refer to 12607353-EP1V1 for setup photos