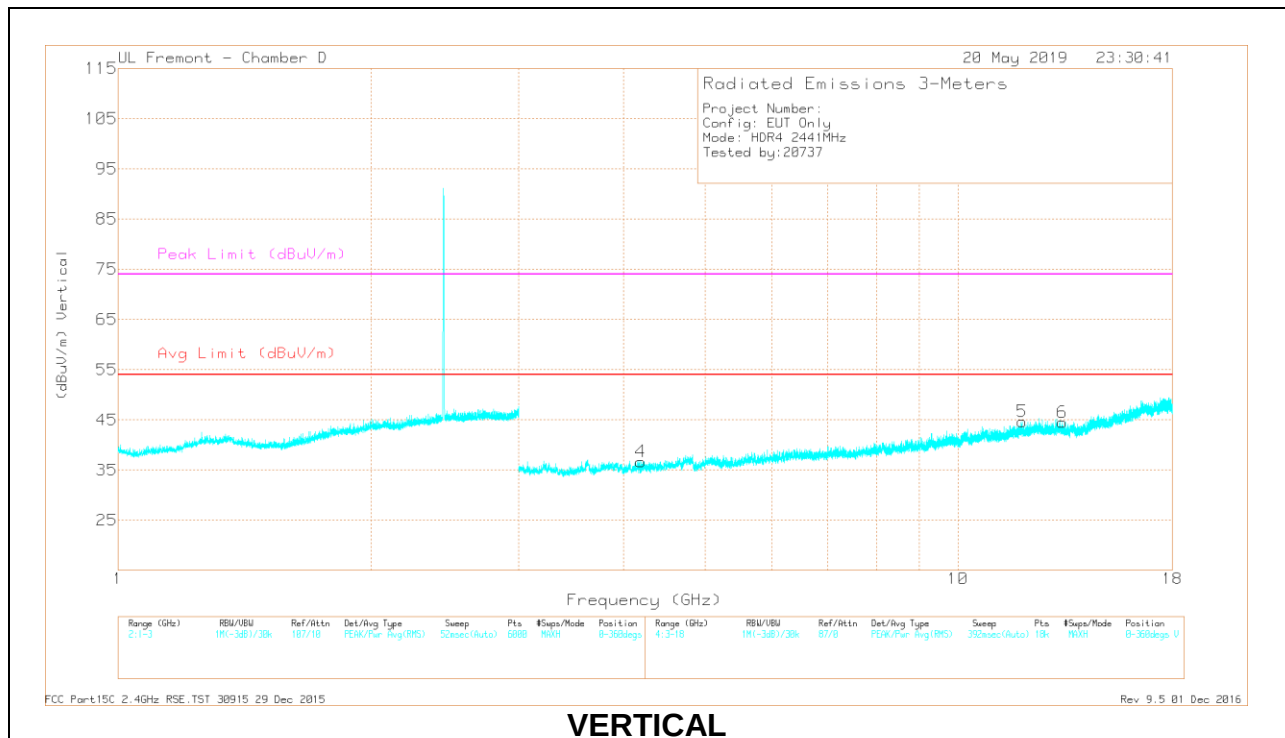
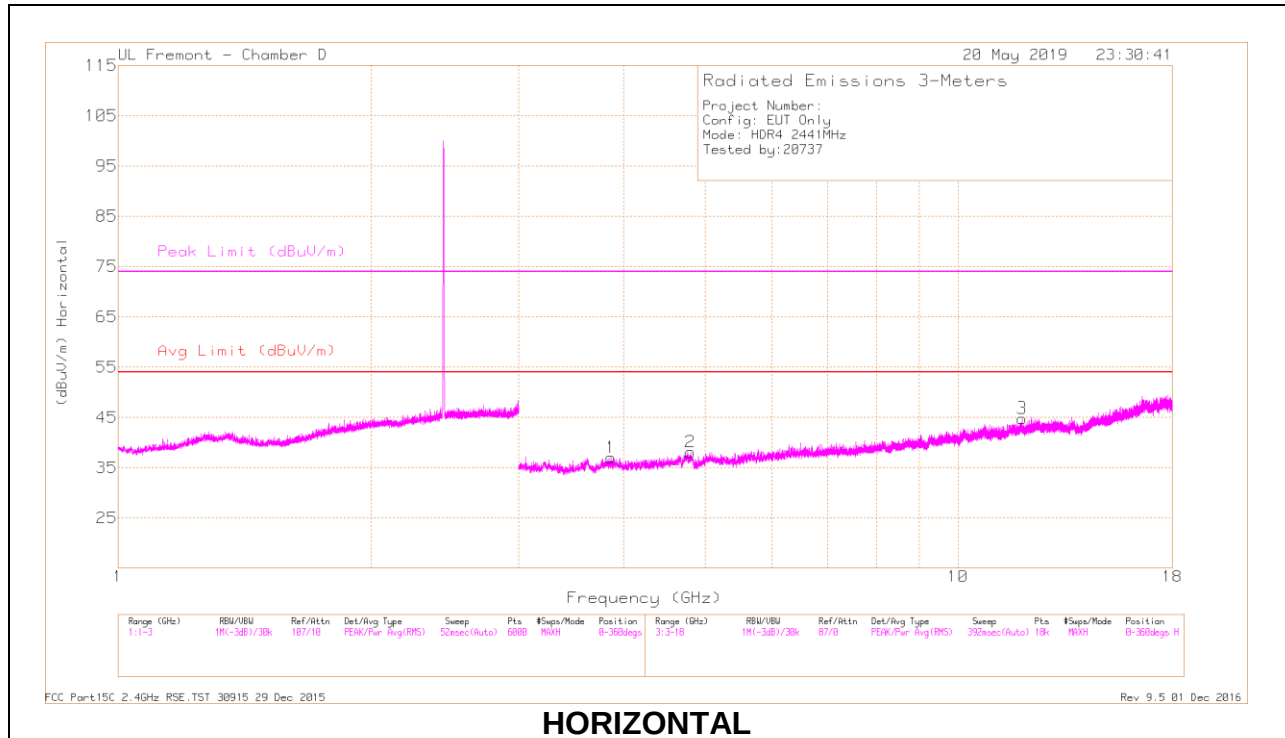


## MID CHANNEL RESULTS



## RADIATED EMISSIONS

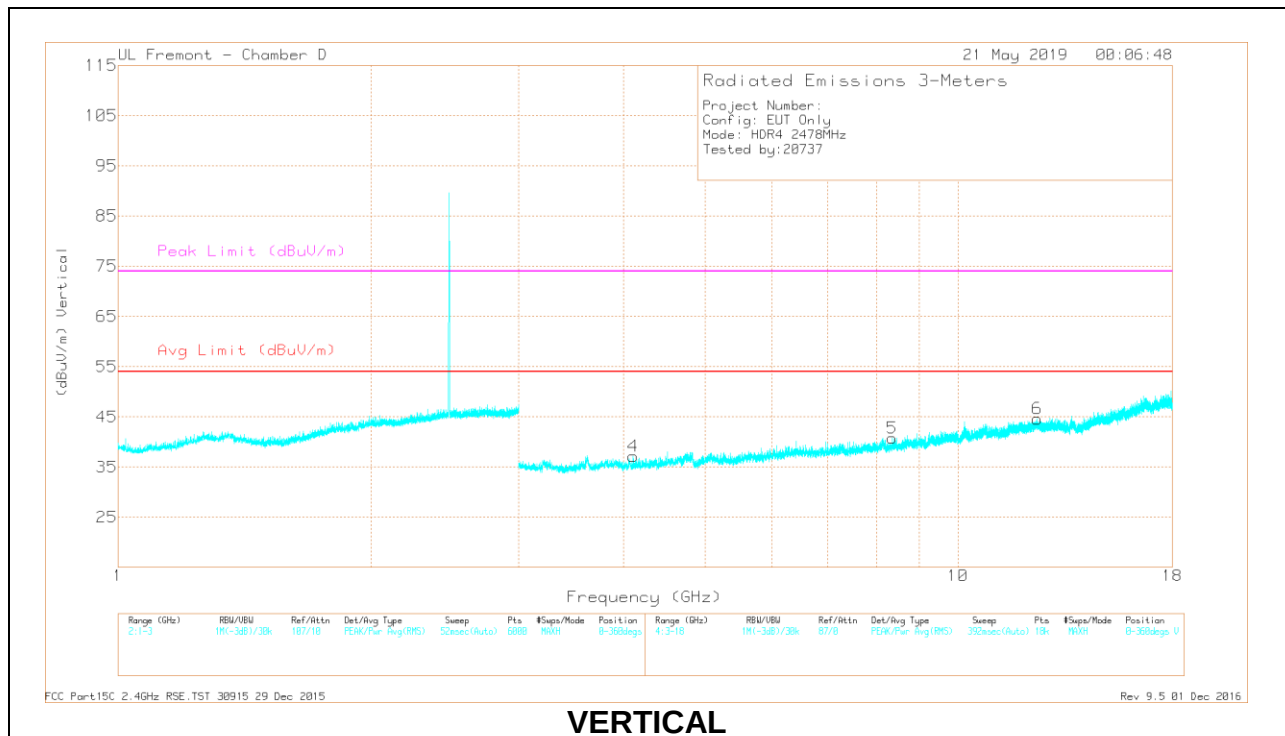
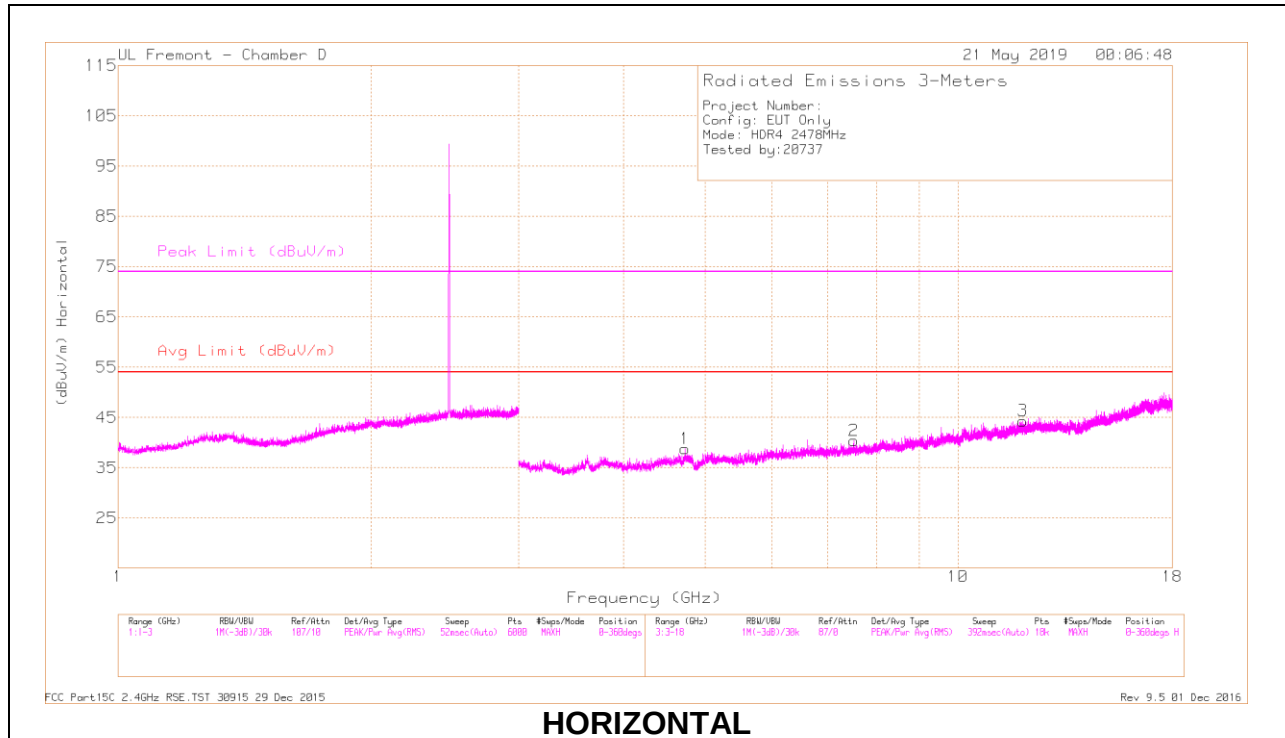
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 3.862         | 39.5                 | PK2  | 33.3           | -28.3                  | 44.5                       | -                  | -           | 74                  | -29.5          | 309            | 124         | H        |
|        | * 3.861         | 28                   | MAv1 | 33.3           | -28.3                  | 33                         | 54                 | -21         | -                   | -              | 309            | 124         | H        |
| 2      | * 4.803         | 38.46                | PK2  | 34.1           | -26.8                  | 45.76                      | -                  | -           | 74                  | -28.24         | 225            | 188         | H        |
|        | * 4.803         | 26.68                | MAv1 | 34.1           | -26.8                  | 33.98                      | 54                 | -20.02      | -                   | -              | 225            | 188         | H        |
| 3      | * 11.934        | 34.93                | PK2  | 38.6           | -21.7                  | 51.83                      | -                  | -           | 74                  | -22.17         | 292            | 236         | H        |
|        | * 11.933        | 21.7                 | MAv1 | 38.6           | -21.7                  | 38.6                       | 54                 | -15.4       | -                   | -              | 292            | 236         | H        |
| 4      | * 4.192         | 38.83                | PK2  | 33.3           | -27.5                  | 44.63                      | -                  | -           | 74                  | -29.37         | 360            | 298         | V        |
|        | * 4.194         | 26.47                | MAv1 | 33.3           | -27.5                  | 32.27                      | 54                 | -21.73      | -                   | -              | 360            | 298         | V        |
| 5      | * 11.923        | 34.75                | PK2  | 38.6           | -21.6                  | 51.75                      | -                  | -           | 74                  | -22.25         | 316            | 339         | V        |
|        | * 11.924        | 21.71                | MAv1 | 38.6           | -21.6                  | 38.71                      | 54                 | -15.29      | -                   | -              | 316            | 339         | V        |
| 6      | * 13.318        | 35.2                 | PK2  | 39.1           | -23.1                  | 51.2                       | -                  | -           | 74                  | -22.8          | 235            | 293         | V        |
|        | * 13.315        | 23.27                | MAv1 | 39.1           | -23                    | 39.37                      | 54                 | -14.63      | -                   | -              | 235            | 293         | 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 T712 (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      | * 4.733         | 37.99                | PK2  | 33.9           | -26.6                 | 45.29                      | -                  | -           | 74                  | -28.71         | 244            | 141         | H        |
|        | * 4.734         | 25.94                | MAv1 | 33.9           | -26.6                 | 33.24                      | 54                 | -20.76      | -                   | -              | 244            | 141         | H        |
| 2      | * 7.523         | 36.55                | PK2  | 35.5           | -25.1                 | 46.95                      | -                  | -           | 74                  | -27.05         | 200            | 178         | H        |
|        | * 7.525         | 24.34                | MAv1 | 35.5           | -25.1                 | 34.74                      | 54                 | -19.26      | -                   | -              | 200            | 178         | H        |
| 3      | * 11.941        | 35.68                | PK2  | 38.6           | -21.8                 | 52.48                      | -                  | -           | 74                  | -21.52         | 161            | 223         | H        |
|        | * 11.941        | 21.65                | MAv1 | 38.6           | -21.8                 | 38.45                      | 54                 | -15.55      | -                   | -              | 161            | 223         | H        |
| 4      | * 4.106         | 38.64                | PK2  | 33.4           | -28                   | 44.04                      | -                  | -           | 74                  | -29.96         | 198            | 260         | V        |
|        | * 4.107         | 26.85                | MAv1 | 33.4           | -28                   | 32.25                      | 54                 | -21.75      | -                   | -              | 198            | 260         | V        |
| 5      | * 8.348         | 35.54                | PK2  | 35.8           | -23.5                 | 47.84                      | -                  | -           | 74                  | -26.16         | 246            | 309         | V        |
|        | * 8.349         | 23.14                | MAv1 | 35.8           | -23.5                 | 35.44                      | 54                 | -18.56      | -                   | -              | 246            | 309         | V        |
| 6      | * 12.432        | 34.68                | PK2  | 38.9           | -21.7                 | 51.88                      | -                  | -           | 74                  | -22.12         | 203            | 270         | V        |
|        | * 12.434        | 22.01                | MAv1 | 38.9           | -21.6                 | 39.31                      | 54                 | -14.69      | -                   | -              | 203            | 270         | V        |

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

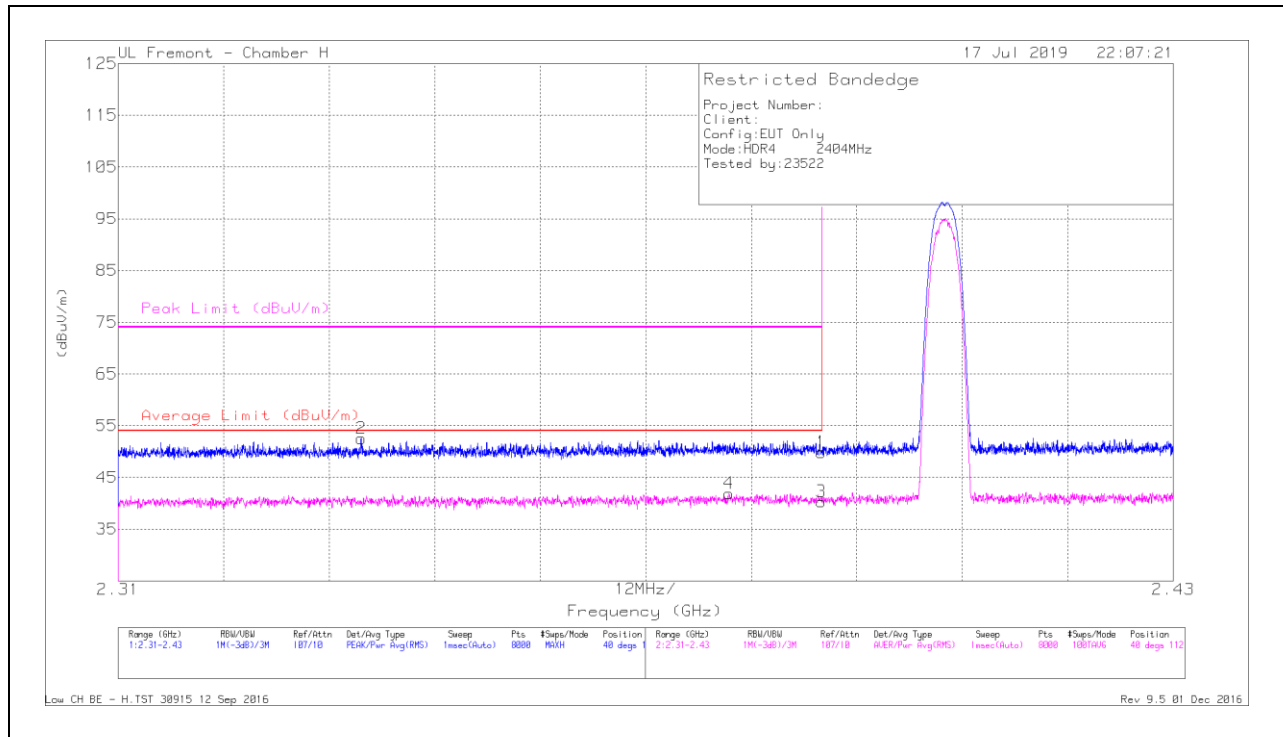
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**Antenna 3**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**



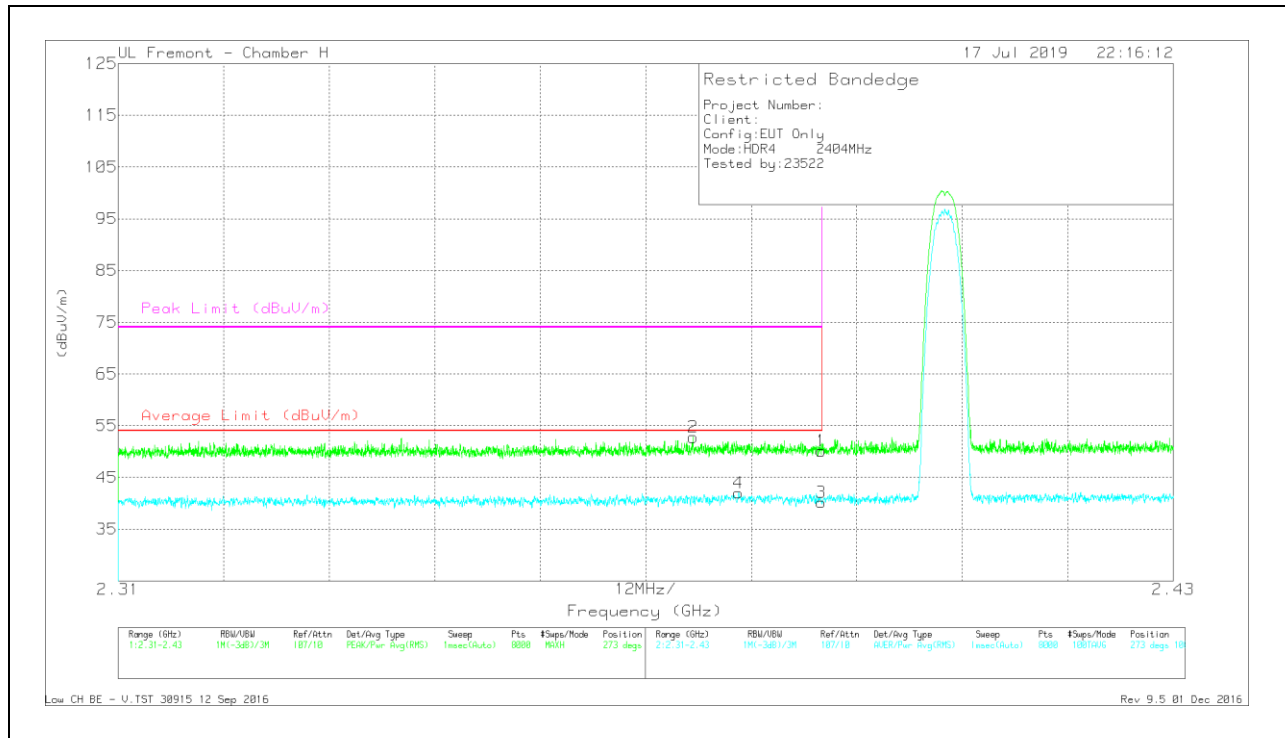
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T863 (dB/m) | Amp/Cbl/Filtr/P ad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 41.27                | Pk  | 32.1           | -23.5                   | 49.87                      | -                      | -           | 74                  | -24.13         | 40             | 112         | H        |
| 2      | * 2.338         | 44.25                | PK  | 31.9           | -23.6                   | 52.55                      | -                      | -           | 74                  | -21.45         | 40             | 112         | H        |
| 3      | * 2.39          | 31.7                 | RMS | 32.1           | -23.5                   | 40.3                       | 54                     | -13.7       | -                   | -              | 40             | 112         | H        |
| 4      | * 2.379         | 33.22                | RMS | 32.2           | -23.5                   | 41.92                      | 54                     | -12.08      | -                   | -              | 40             | 112         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T863 (dBm) | Amp/CbI/Filt/P ad (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          | 41.52                | Pk  | 32.1          | -23.5                  | 50.12                      | -                      | -           | 74                  | -23.88         | 273            | 100         | V        |
| 2      | * 2.375         | 44.18                | Pk  | 32.1          | -23.5                  | 52.78                      | -                      | -           | 74                  | -21.22         | 273            | 100         | V        |
| 3      | * 2.39          | 31.55                | RMS | 32.1          | -23.5                  | 40.15                      | 54                     | -13.85      | -                   | -              | 273            | 100         | V        |
| 4      | * 2.381         | 33.29                | RMS | 32.2          | -23.5                  | 41.99                      | 54                     | -12.01      | -                   | -              | 273            | 100         | V        |

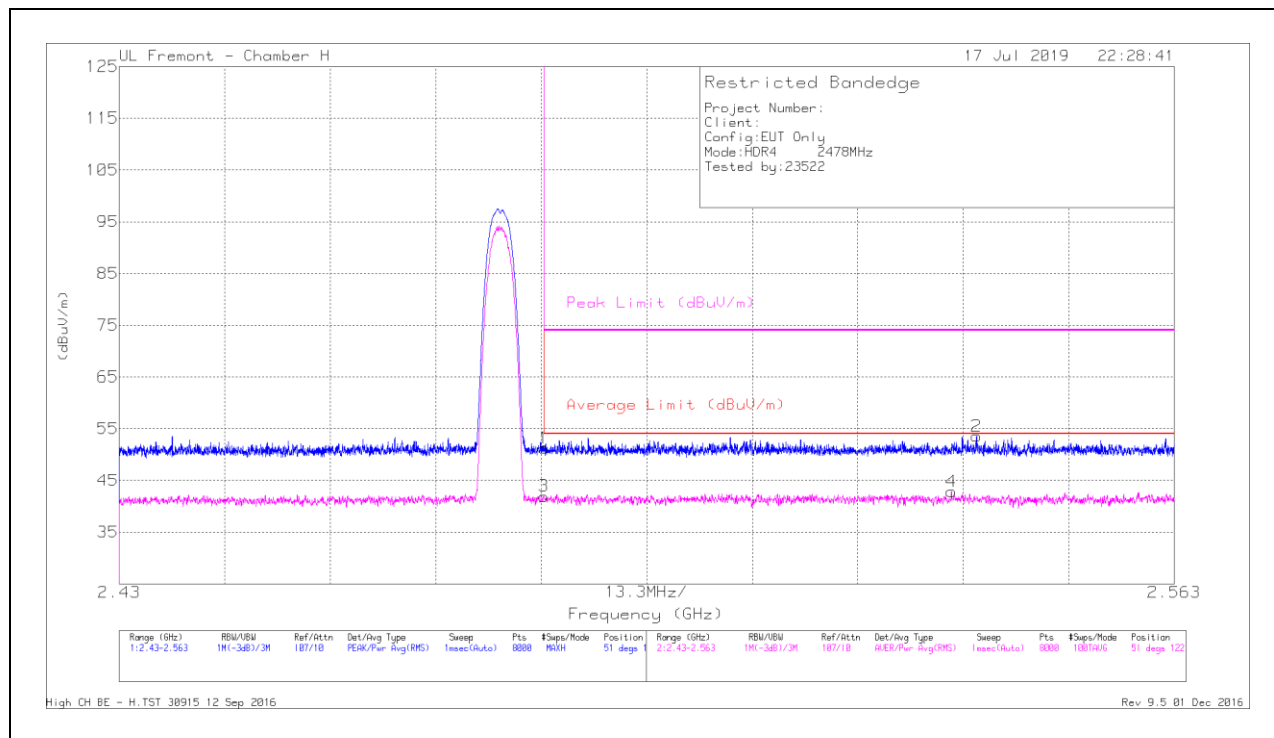
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

# **BANDEDGE (HIGH CHANNEL)**

## **HORIZONTAL RESULT**



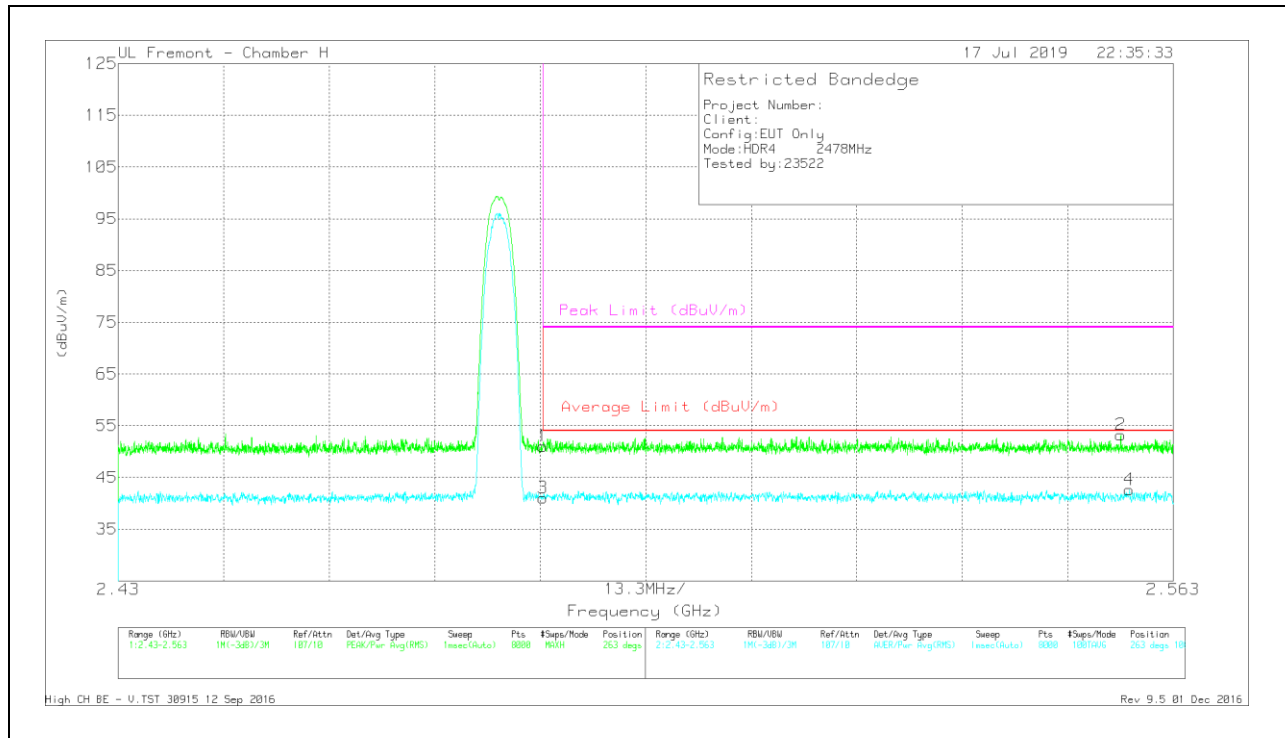
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T863 (dB/m) | Amp/Cbl/Filtr/P ad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 42.02                | Pk  | 32.5           | -23.3                   | 51.22                      | -                      | -           | 74                  | -22.78         | 51             | 122         | H        |
| 3      | * 2.484         | 32.73                | RMS | 32.5           | -23.3                   | 41.93                      | 54                     | -12.07      | -                   | -              | 51             | 122         | H        |
| 4      | 2.535           | 33.45                | RMS | 32.6           | -23.2                   | 42.85                      | 54                     | -11.15      | -                   | -              | 51             | 122         | H        |
| 2      | 2.538           | 44.14                | Pk  | 32.5           | -23.1                   | 53.54                      | -                      | -           | 74                  | -20.46         | 51             | 122         | 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 (dBm) | Amp/CbllFilt/P ad (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         | 41.87                | Pk  | 32.5          | -23.3                  | 51.07                      | -                      | -           | 74                  | -22.93         | 263            | 106         | V        |
| 3      | * 2.484         | 31.86                | RMS | 32.5          | -23.3                  | 41.06                      | 54                     | -12.94      | -                   | -              | 263            | 106         | V        |
| 2      | 2.556           | 44.06                | Pk  | 32.4          | -23.2                  | 53.26                      | -                      | -           | 74                  | -20.74         | 263            | 106         | V        |
| 4      | 2.557           | 33.45                | RMS | 32.4          | -23.2                  | 42.65                      | 54                     | -11.35      | -                   | -              | 263            | 106         | V        |

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

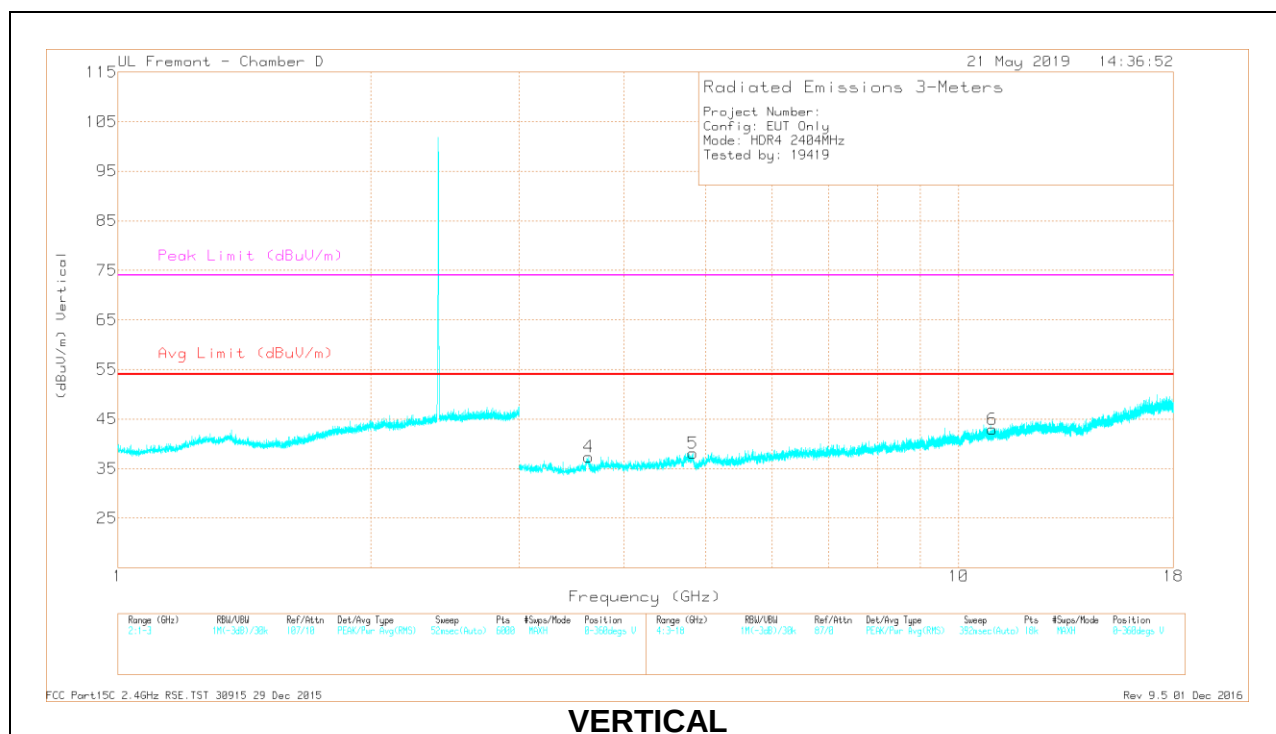
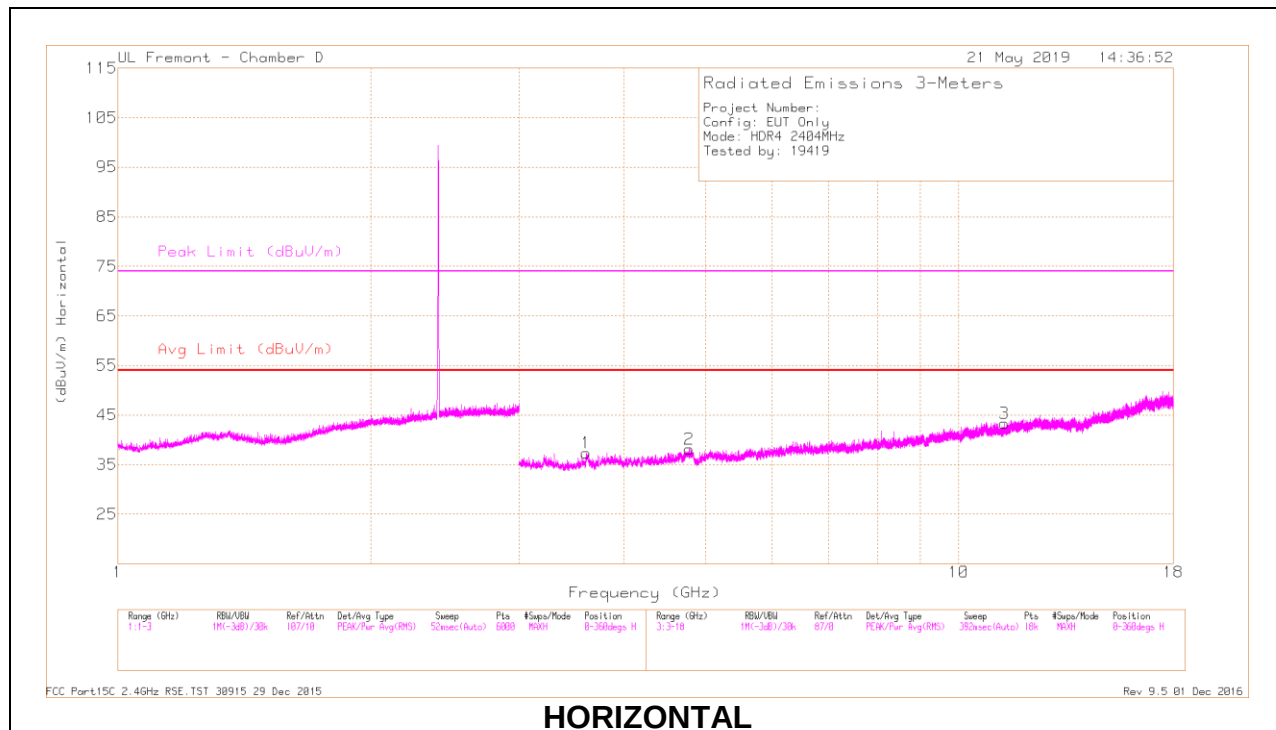
Pk - Peak detector

RMS - RMS detection



## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



## RADIATED EMISSIONS

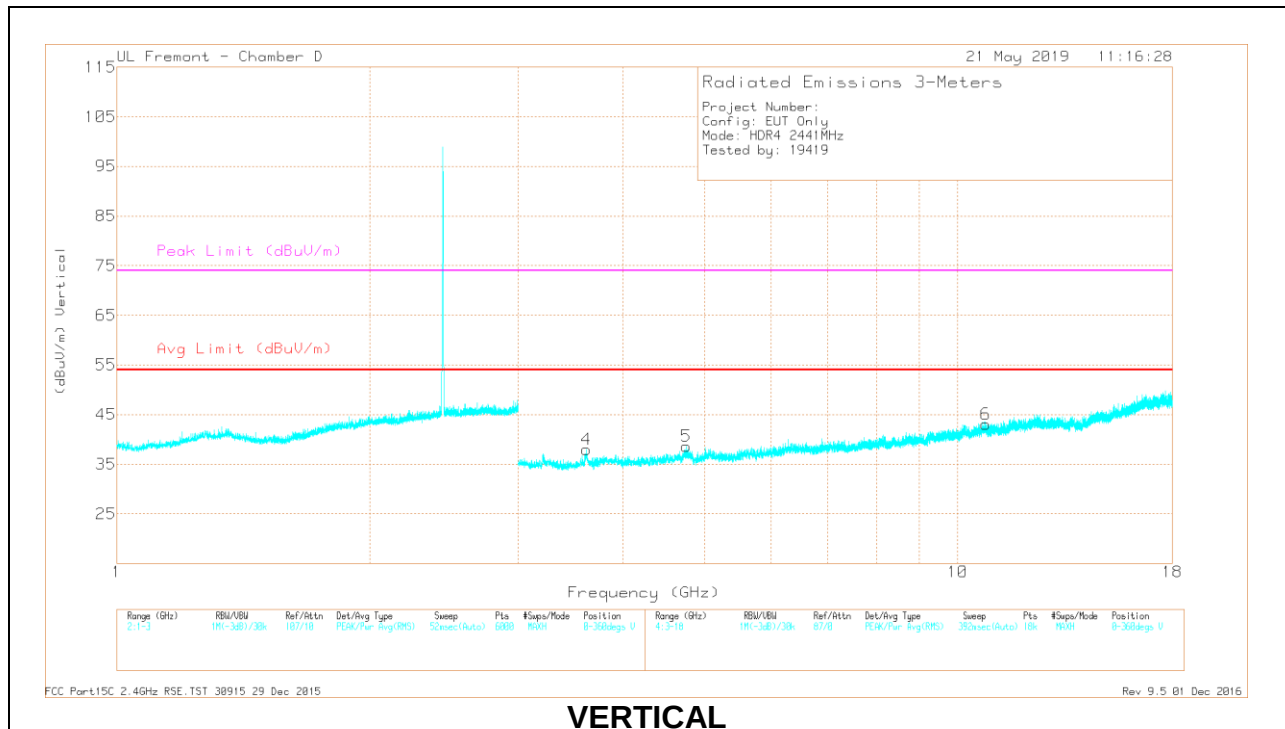
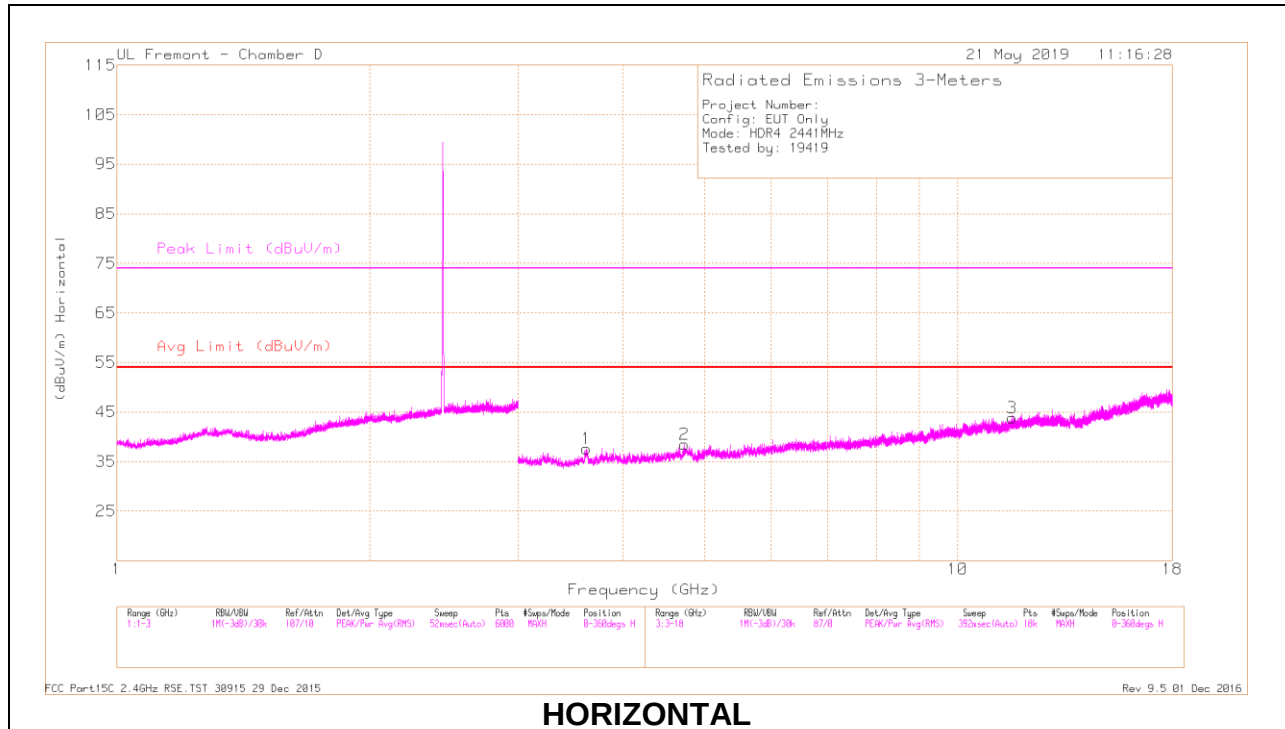
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (dB/m) | Amp/Cbl/Filtr/ Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 3.606         | 38.83                | PK2  | 33.1           | -28.4                   | 43.53                      | -                  | -           | 74                  | -30.47         | 137            | 370         | H        |
|        | * 3.607         | 26.48                | MAV1 | 33.1           | -28.4                   | 31.18                      | 54                 | -22.82      | -                   | -              | 137            | 370         | H        |
| 2      | * 4.779         | 39.47                | PK2  | 34             | -26.7                   | 46.77                      | -                  | -           | 74                  | -27.23         | 187            | 261         | H        |
|        | * 4.78          | 25.9                 | MAV1 | 34             | -26.7                   | 33.2                       | 54                 | -20.8       | -                   | -              | 187            | 261         | H        |
| 3      | * 11.326        | 33.86                | PK2  | 37.9           | -21.5                   | 50.26                      | -                  | -           | 74                  | -23.74         | 303            | 179         | H        |
|        | * 11.326        | 20.22                | MAV1 | 37.9           | -21.5                   | 36.62                      | 54                 | -17.38      | -                   | -              | 303            | 179         | H        |
| 4      | * 3.629         | 39.38                | PK2  | 33.1           | -28.5                   | 43.98                      | -                  | -           | 74                  | -30.02         | 125            | 294         | V        |
|        | * 3.628         | 27.24                | MAV1 | 33.2           | -28.6                   | 31.84                      | 54                 | -22.16      | -                   | -              | 125            | 294         | V        |
| 5      | * 4.833         | 38.23                | PK2  | 34             | -27.4                   | 44.83                      | -                  | -           | 74                  | -29.17         | 297            | 250         | V        |
|        | * 4.833         | 26.17                | MAV1 | 34             | -27.3                   | 32.87                      | 54                 | -21.13      | -                   | -              | 297            | 250         | V        |
| 6      | * 10.97         | 34.76                | PK2  | 37.7           | -21.6                   | 50.86                      | -                  | -           | 74                  | -23.14         | 92             | 332         | V        |
|        | * 10.972        | 20.15                | MAV1 | 37.7           | -21.6                   | 36.25                      | 54                 | -17.75      | -                   | -              | 92             | 332         | 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

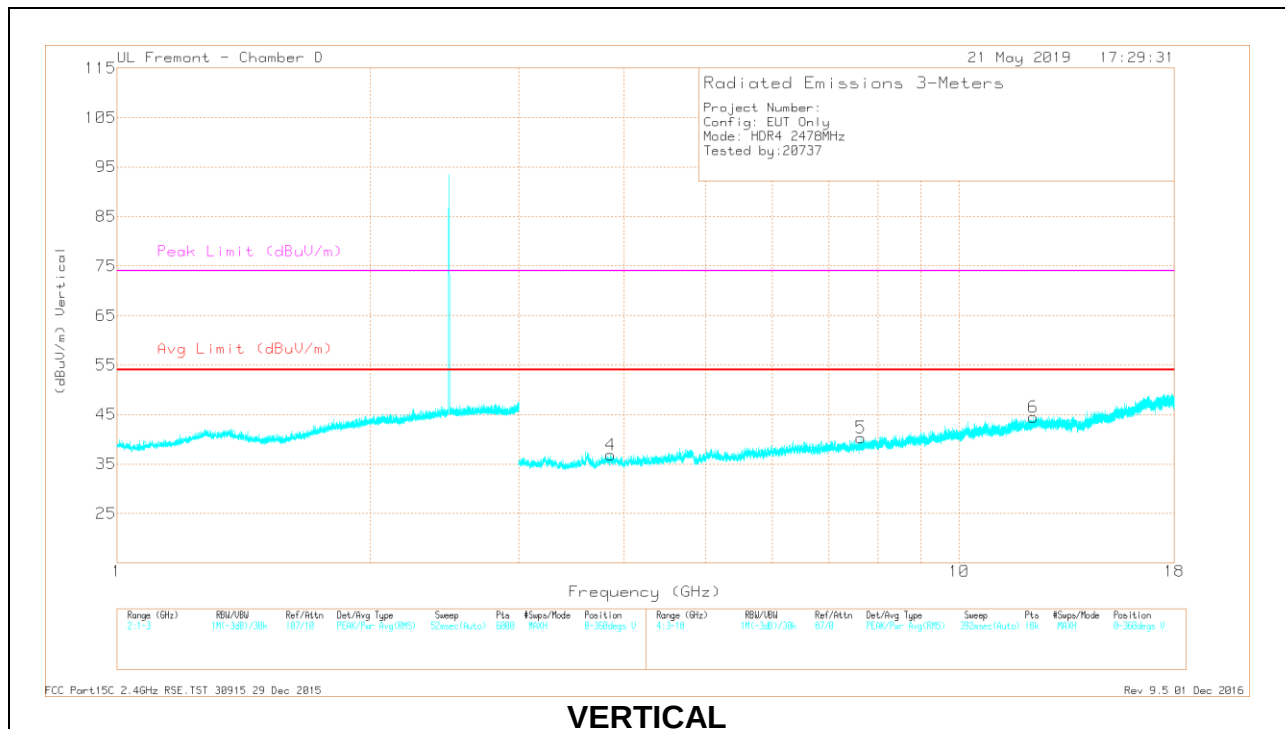
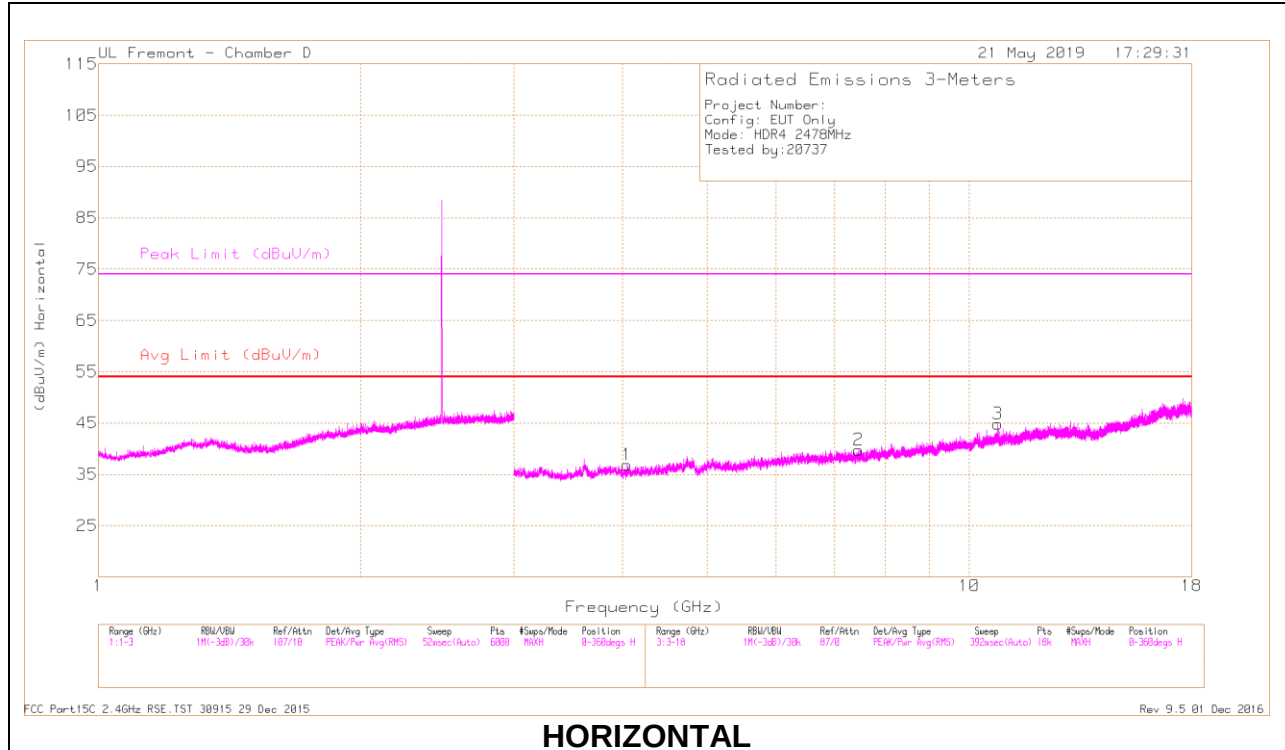
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (dB/m) | Amp/Cbl/Filtr/ Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 3.62          | 39.18                | PK2  | 33.5           | -28.4                   | 44.28                      | -                  | -           | 74                  | -29.72         | 26             | 362         | H        |
|        | * 3.622         | 26.95                | MAV1 | 33.4           | -28.4                   | 31.95                      | 54                 | -22.05      | -                   | -              | 26             | 362         | H        |
| 2      | * 4.734         | 37.97                | PK2  | 33.9           | -26.6                   | 45.27                      | -                  | -           | 74                  | -28.73         | 112            | 292         | H        |
|        | * 4.734         | 25.99                | MAV1 | 33.9           | -26.6                   | 33.29                      | 54                 | -20.71      | -                   | -              | 112            | 292         | H        |
| 3      | * 11.609        | 34.67                | PK2  | 38.3           | -21.3                   | 51.67                      | -                  | -           | 74                  | -22.33         | 97             | 246         | H        |
|        | * 11.608        | 21.21                | MAV1 | 38.2           | -21.3                   | 38.11                      | 54                 | -15.89      | -                   | -              | 97             | 246         | H        |
| 4      | * 3.621         | 38.97                | PK2  | 33.5           | -28.4                   | 44.07                      | -                  | -           | 74                  | -29.93         | 156            | 201         | V        |
|        | * 3.621         | 27.52                | MAV1 | 33.4           | -28.4                   | 32.52                      | 54                 | -21.48      | -                   | -              | 156            | 201         | V        |
| 5      | * 4.757         | 38.31                | PK2  | 34             | -26.5                   | 45.81                      | -                  | -           | 74                  | -28.19         | 200            | 172         | V        |
|        | * 4.758         | 25.97                | MAV1 | 34             | -26.5                   | 33.47                      | 54                 | -20.53      | -                   | -              | 200            | 172         | V        |
| 6      | * 10.804        | 34.41                | PK2  | 37.8           | -21.2                   | 51.01                      | -                  | -           | 74                  | -22.99         | 100            | 137         | V        |
|        | * 10.802        | 20.82                | MAV1 | 37.8           | -21.2                   | 37.42                      | 54                 | -16.58      | -                   | -              | 100            | 137         | 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 T712 (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      | * 4.047         | 38.95                | PK2  | 33.5           | -28.5                  | 43.95                      | -                  | -           | 74                  | -30.05         | 77             | 161         | H        |
|        | * 4.048         | 27.23                | MAv1 | 33.5           | -28.5                  | 32.23                      | 54                 | -21.77      | -                   | -              | 77             | 161         | H        |
| 2      | * 7.46          | 36.05                | PK2  | 35.5           | -24.8                  | 46.75                      | -                  | -           | 74                  | -27.25         | 125            | 183         | H        |
|        | * 7.458         | 23.84                | MAv1 | 35.5           | -24.8                  | 34.54                      | 54                 | -19.46      | -                   | -              | 125            | 183         | H        |
| 3      | * 10.772        | 33.72                | PK2  | 37.9           | -20.8                  | 50.82                      | -                  | -           | 74                  | -23.18         | 177            | 227         | H        |
|        | * 10.772        | 20.5                 | MAv1 | 37.9           | -20.8                  | 37.6                       | 54                 | -16.4       | -                   | -              | 177            | 227         | H        |
| 4      | * 3.852         | 40.05                | PK2  | 33.3           | -28.5                  | 44.85                      | -                  | -           | 74                  | -29.15         | 218            | 199         | V        |
|        | * 3.853         | 28.04                | MAv1 | 33.4           | -28.5                  | 32.94                      | 54                 | -21.06      | -                   | -              | 218            | 199         | V        |
| 5      | * 7.648         | 36.21                | PK2  | 35.6           | -24.9                  | 46.91                      | -                  | -           | 74                  | -27.09         | 277            | 293         | V        |
|        | * 7.651         | 24                   | MAv1 | 35.6           | -24.9                  | 34.7                       | 54                 | -19.3       | -                   | -              | 277            | 293         | V        |
| 6      | * 12.251        | 34.73                | PK2  | 38.9           | -21.8                  | 51.83                      | -                  | -           | 74                  | -22.17         | 338            | 262         | V        |
|        | * 12.249        | 21.8                 | MAv1 | 38.9           | -21.7                  | 39                         | 54                 | -15         | -                   | -              | 338            | 262         | V        |

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

PK2 - KDB558074 Method: Maximum Peak

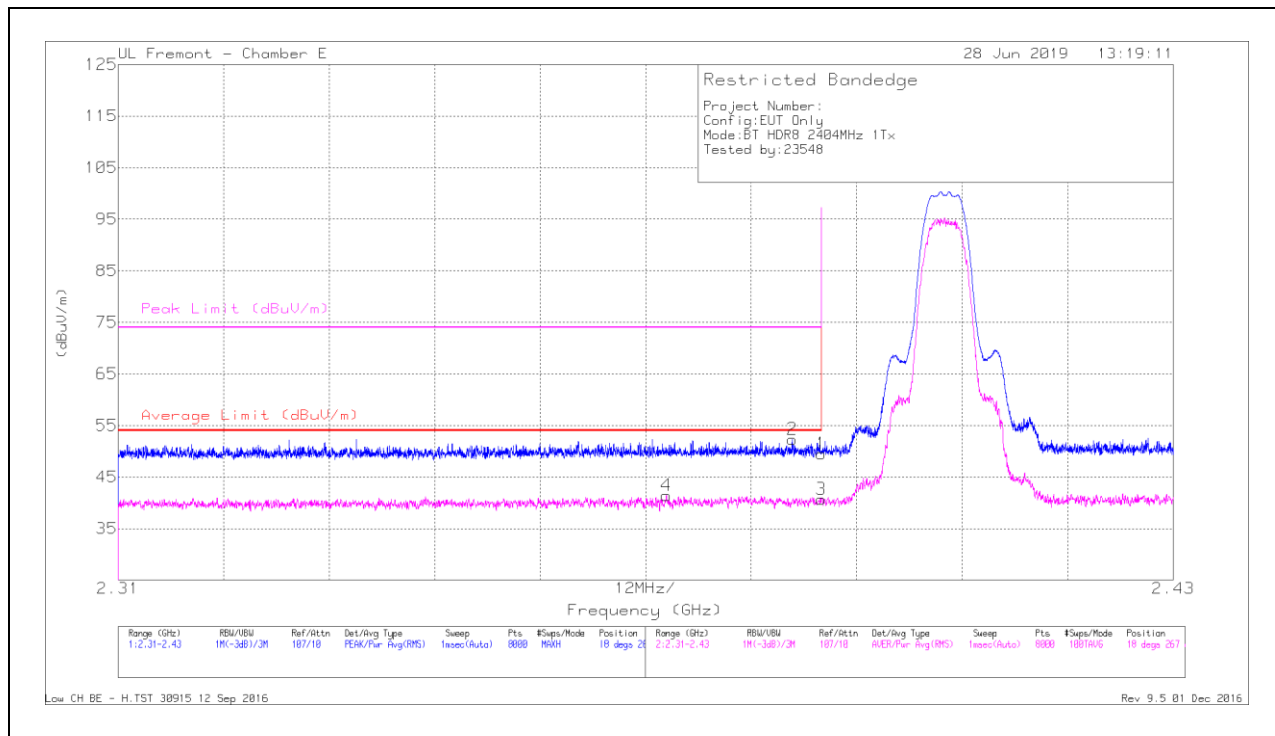
MAv1 - KDB558074 Option 1 Maximum RMS Average

## 9.2.4. LOW POWER HDR (HDR8)

### Antenna 4

### BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT



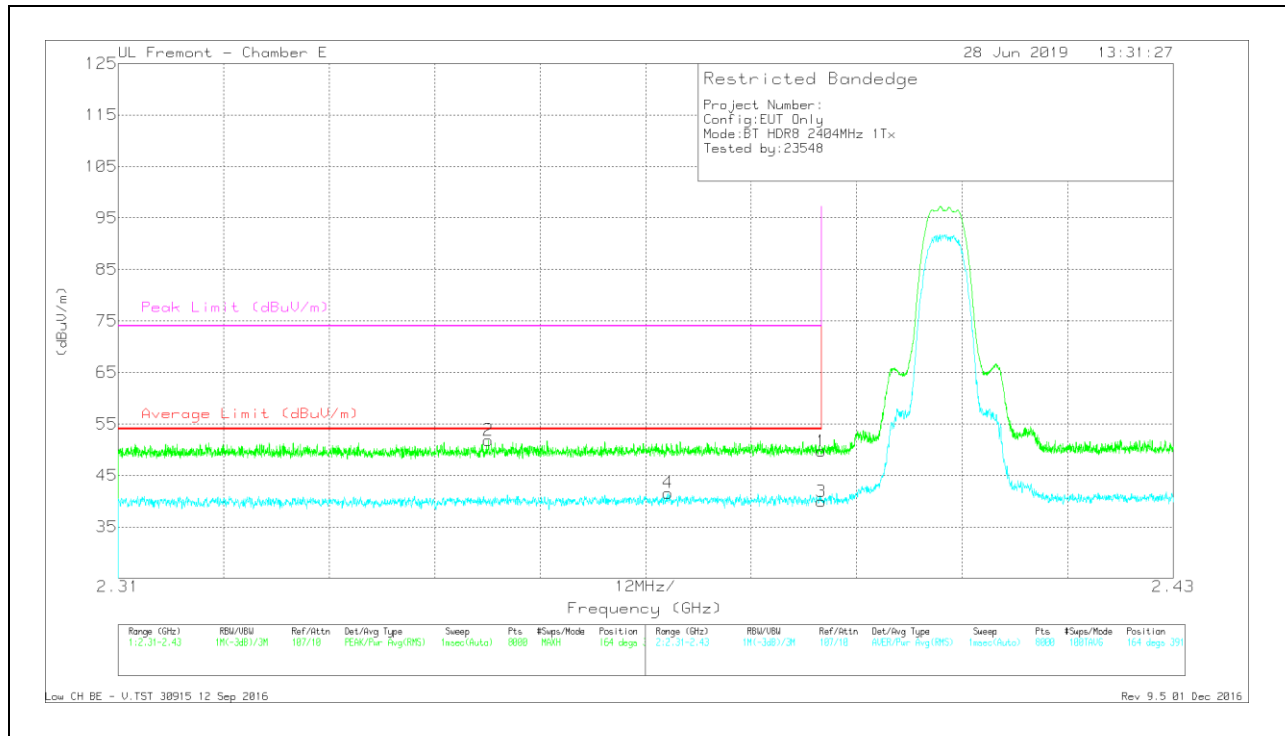
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AFT119 (dB/m) | Amp/Cb/Ftr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 43.43                | Pk  | 32.3          | -26.2                | 49.53                      | -                      | -           | 74                  | -24.47         | 18             | 267         | H        |
| 2      | * 2.387         | 46.32                | Pk  | 32.3          | -26.3                | 52.32                      | -                      | -           | 74                  | -21.68         | 18             | 267         | H        |
| 3      | * 2.39          | 34.6                 | RMS | 32.3          | -26.2                | 40.7                       | 54                     | -13.3       | -                   | -              | 18             | 267         | H        |
| 4      | * 2.372         | 35.54                | RMS | 32.2          | -26.3                | 41.44                      | 54                     | -12.56      | -                   | -              | 18             | 267         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Ftr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 43.61                | Pk  | 32.3           | -26.2                 | 49.71                      | -                      | -           | 74                  | -24.29         | 164            | 391         | V        |
| 2      | * 2.352         | 46.01                | Pk  | 32             | -26.2                 | 51.81                      | -                      | -           | 74                  | -22.19         | 164            | 391         | V        |
| 3      | * 2.39          | 33.83                | RMS | 32.3           | -26.2                 | 39.93                      | 54                     | -14.07      | -                   | -              | 164            | 391         | V        |
| 4      | * 2.373         | 35.69                | RMS | 32.2           | -26.3                 | 41.59                      | 54                     | -12.41      | -                   | -              | 164            | 391         | V        |

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

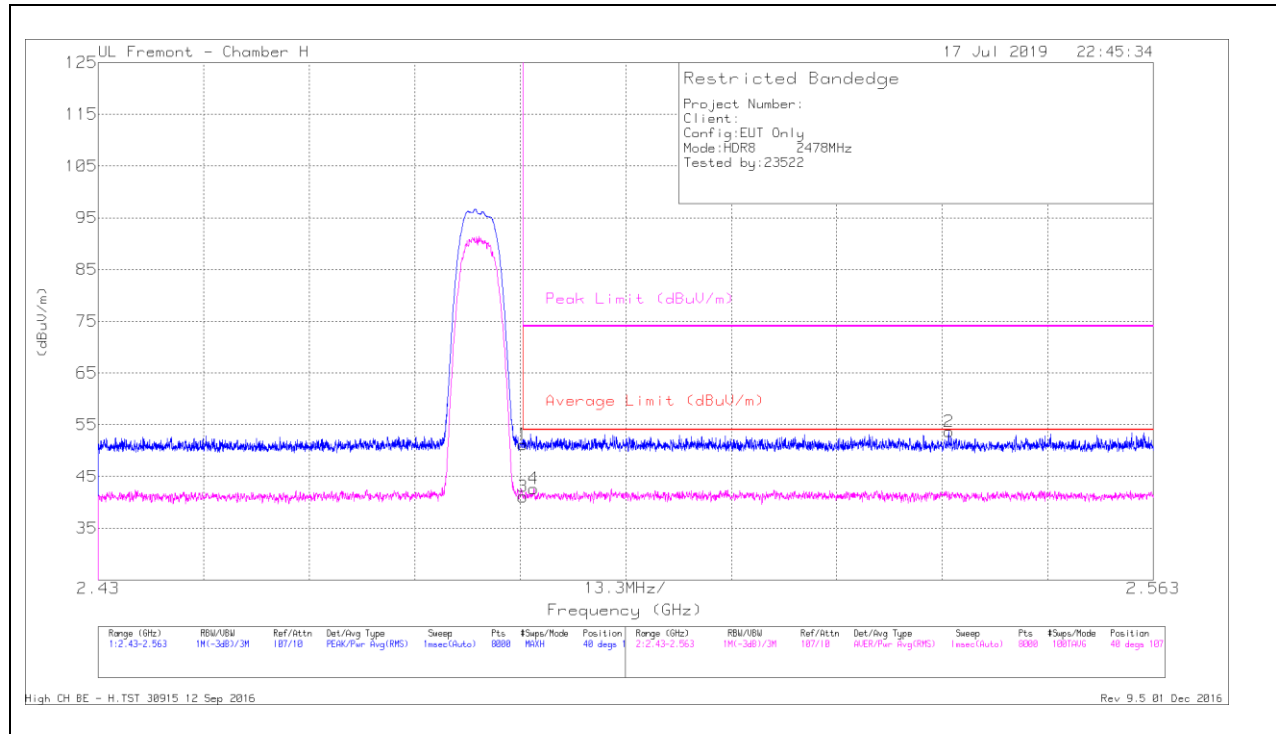
Pk - Peak detector

RMS - RMS detection



# **BANDEDGE (HIGH CHANNEL)**

## **HORIZONTAL RESULT**



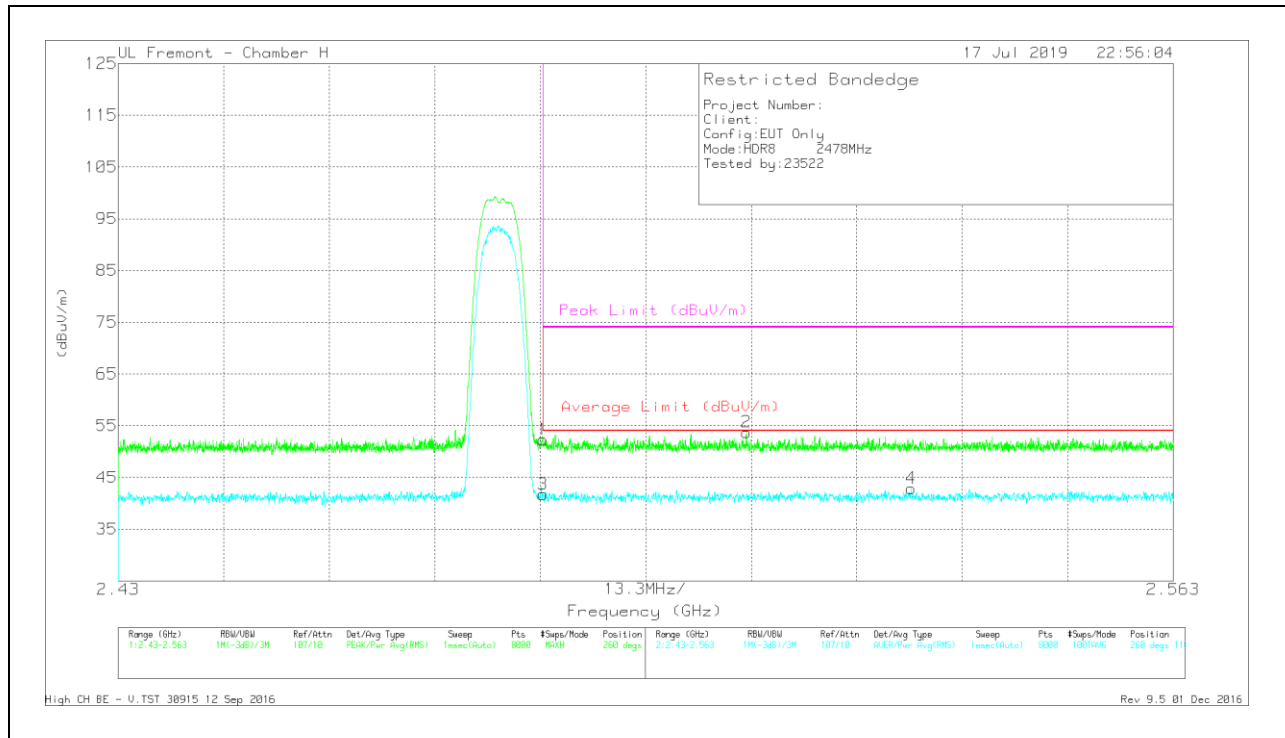
| Marker | Frequenc<br>y (GHz) | Meter<br>Reading (dBuV) | Det | AF T863 (dB/m) | Amp/Cbl/Filtr/P<br>ad (dB) | Correcte<br>d Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|---------------------|-------------------------|-----|----------------|----------------------------|--------------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484             | 41.97                   | Pk  | 32.5           | -23.3                      | 51.17                          | -                      | -           | 74                  | -22.83         | 40             | 107         | H        |
| 3      | * 2.484             | 31.9                    | RMS | 32.5           | -23.3                      | 41.1                           | 54                     | -12.9       | -                   | -              | 40             | 107         | H        |
| 4      | * 2.485             | 33.44                   | RMS | 32.5           | -23.3                      | 42.64                          | 54                     | -11.36      | -                   | -              | 40             | 107         | H        |
| 2      | 2.537               | 44.28                   | Pk  | 32.5           | -23.1                      | 53.68                          | -                      | -           | 74                  | -20.32         | 40             | 107         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T863 (dBm) | Amp/Cbl/Filtr/P ad (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         | 43.11                | Pk  | 32.5          | -23.3                   | 52.31                      | -                      | -           | 74                  | -21.69         | 260            | 110         | V        |
| 3      | * 2.484         | 32.52                | RMS | 32.5          | -23.3                   | 41.72                      | 54                     | -12.28      | -                   | -              | 260            | 110         | V        |
| 2      | 2.509           | 44.34                | Pk  | 32.6          | -23.2                   | 53.74                      | -                      | -           | 74                  | -20.26         | 260            | 110         | V        |
| 4      | 2.53            | 33.47                | RMS | 32.6          | -23.2                   | 42.87                      | 54                     | -11.13      | -                   | -              | 260            | 110         | V        |

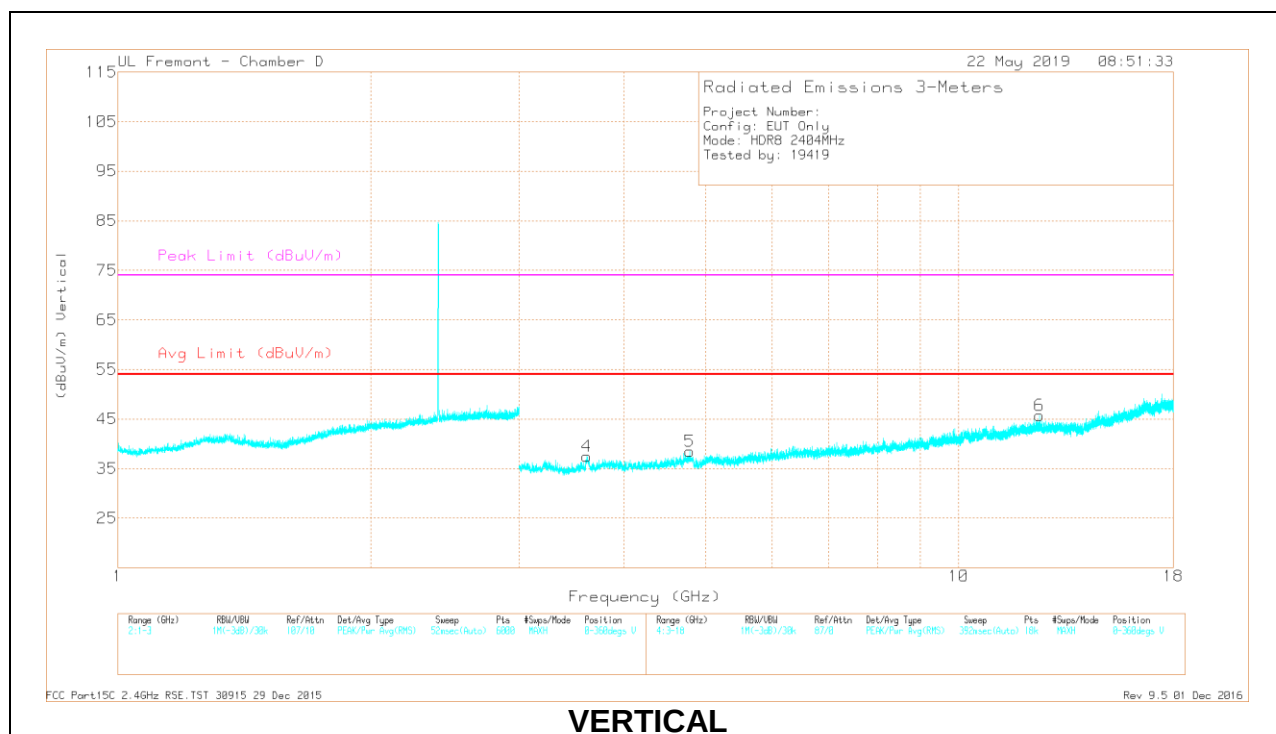
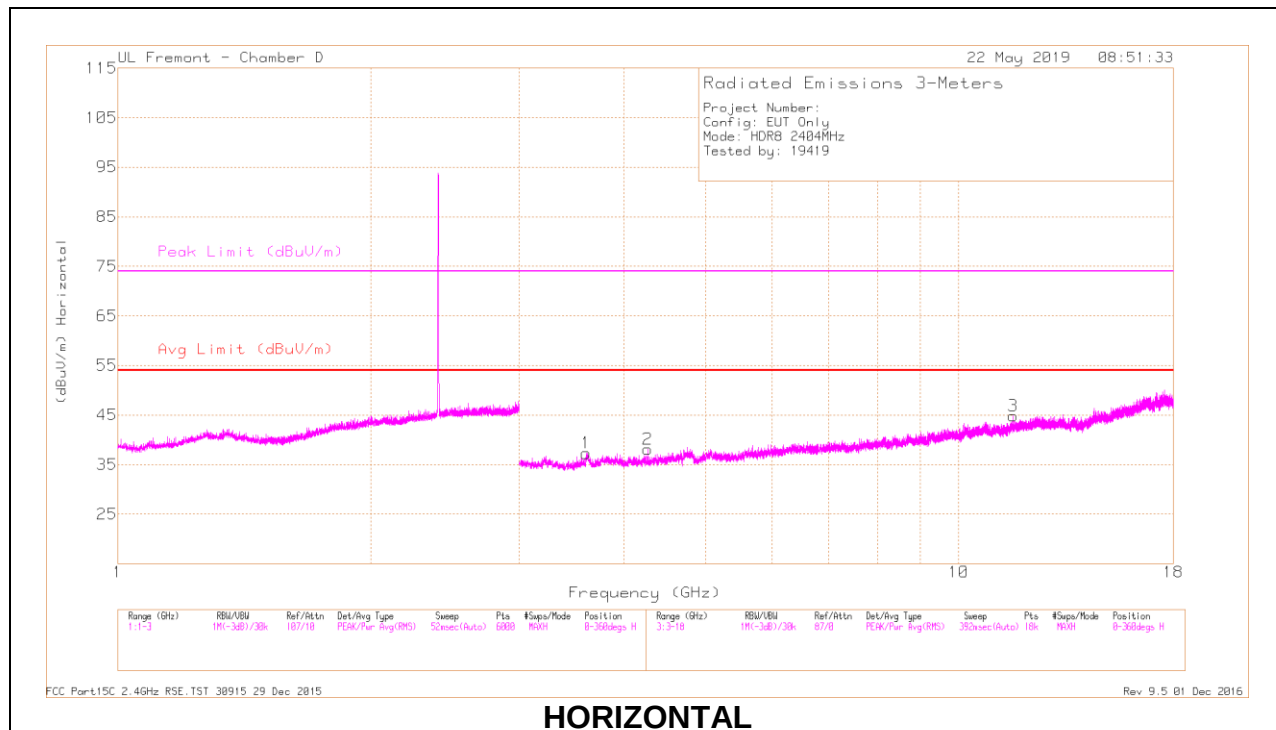
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



## RADIATED EMISSIONS

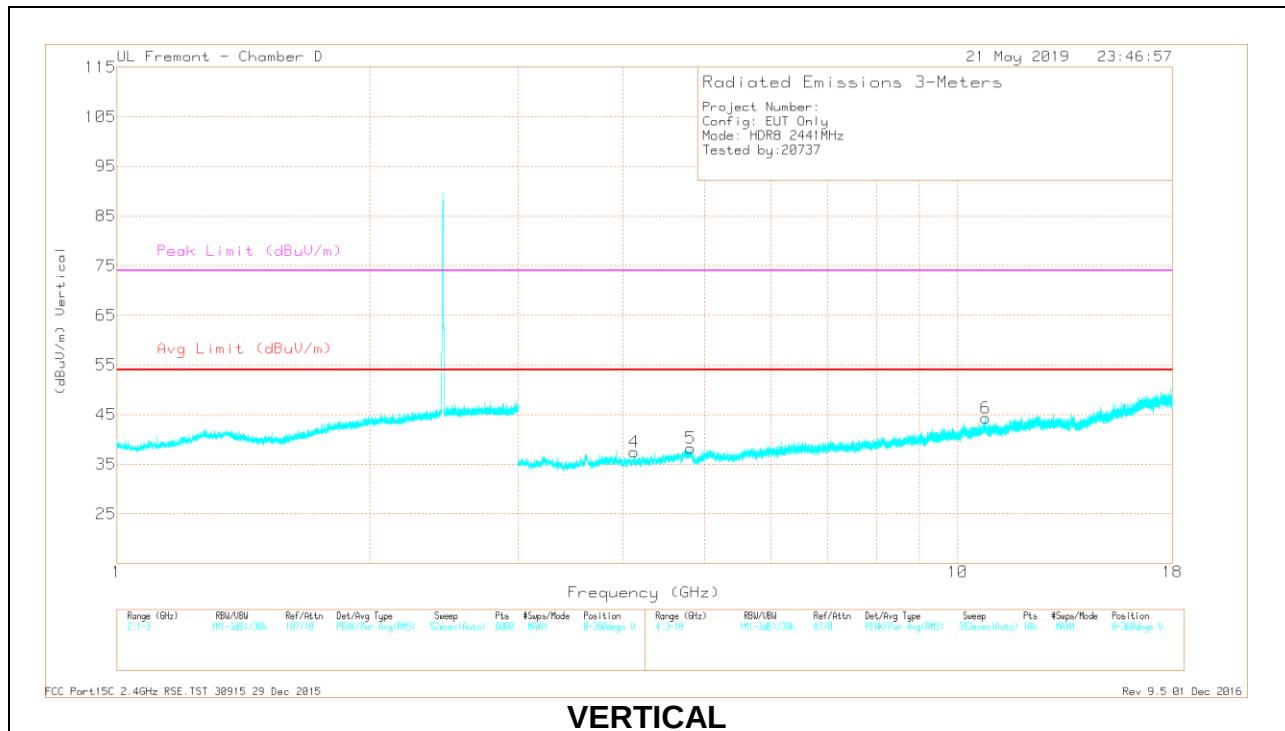
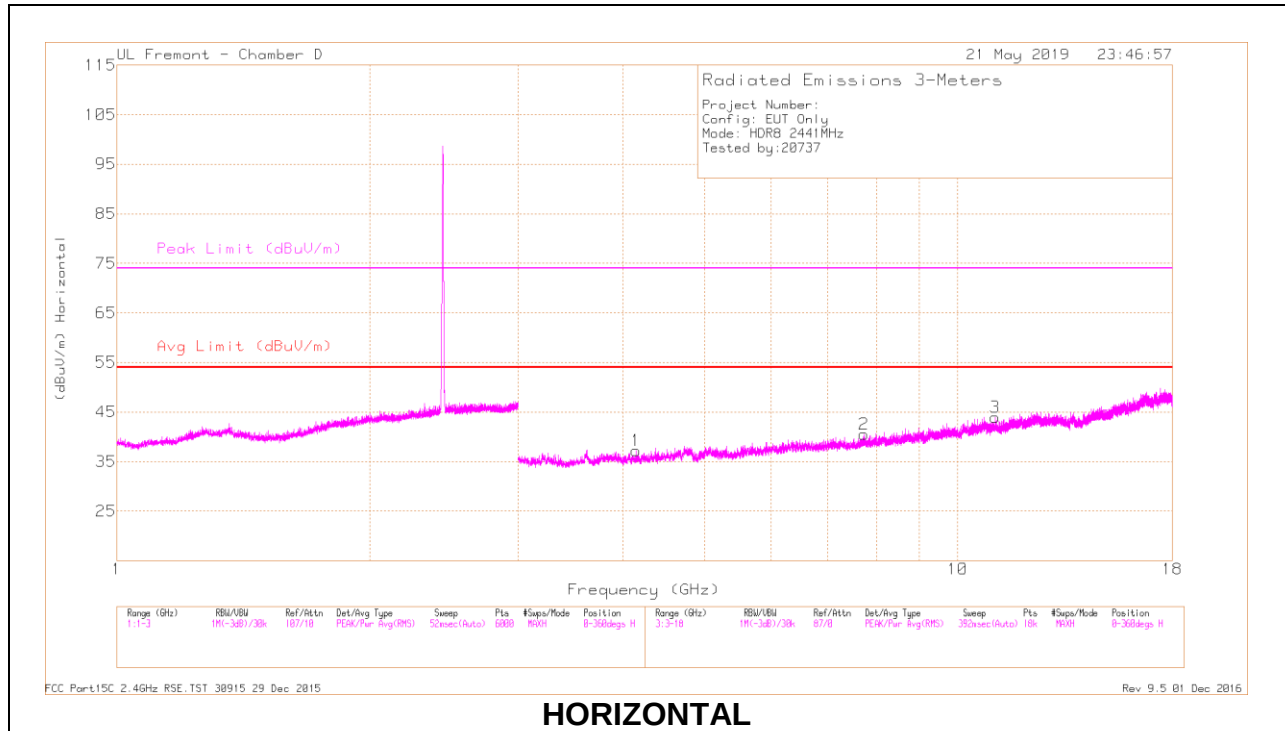
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (dB/m) | Amp/Cbl/Filtr/ Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 3.609         | 38.99                | PK2  | 33.2           | -28.3                   | 43.89                      | -                  | -           | 74                  | -30.11         | 275            | 175         | H        |
|        | * 3.61          | 26.68                | MAv1 | 33.3           | -28.3                   | 31.68                      | 54                 | -22.32      | -                   | -              | 275            | 175         | H        |
| 2      | * 4.264         | 38.57                | PK2  | 33.3           | -27.8                   | 44.07                      | -                  | -           | 74                  | -29.93         | 69             | 129         | H        |
|        | * 4.266         | 26.42                | MAv1 | 33.3           | -27.8                   | 31.92                      | 54                 | -22.08      | -                   | -              | 69             | 129         | H        |
| 3      | * 11.612        | 34.65                | PK2  | 38.3           | -21.3                   | 51.65                      | -                  | -           | 74                  | -22.35         | 30             | 393         | H        |
|        | * 11.613        | 20.5                 | MAv1 | 38.3           | -21.3                   | 37.5                       | 54                 | -16.5       | -                   | -              | 30             | 393         | H        |
| 4      | * 3.613         | 39.99                | PK2  | 33.4           | -28.4                   | 44.99                      | -                  | -           | 74                  | -29.01         | 321            | 222         | V        |
|        | * 3.612         | 26.74                | MAv1 | 33.3           | -28.3                   | 31.74                      | 54                 | -22.26      | -                   | -              | 321            | 222         | V        |
| 5      | * 4.789         | 39.09                | PK2  | 34.1           | -26.8                   | 46.39                      | -                  | -           | 74                  | -27.61         | 74             | 300         | V        |
|        | * 4.79          | 26.06                | MAv1 | 34             | -26.8                   | 33.26                      | 54                 | -20.74      | -                   | -              | 74             | 300         | V        |
| 6      | * 12.481        | 34.91                | PK2  | 38.9           | -21.7                   | 52.11                      | -                  | -           | 74                  | -21.89         | 194            | 187         | V        |
|        | * 12.48         | 20.98                | MAv1 | 38.9           | -21.7                   | 38.18                      | 54                 | -15.82      | -                   | -              | 194            | 187         | 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

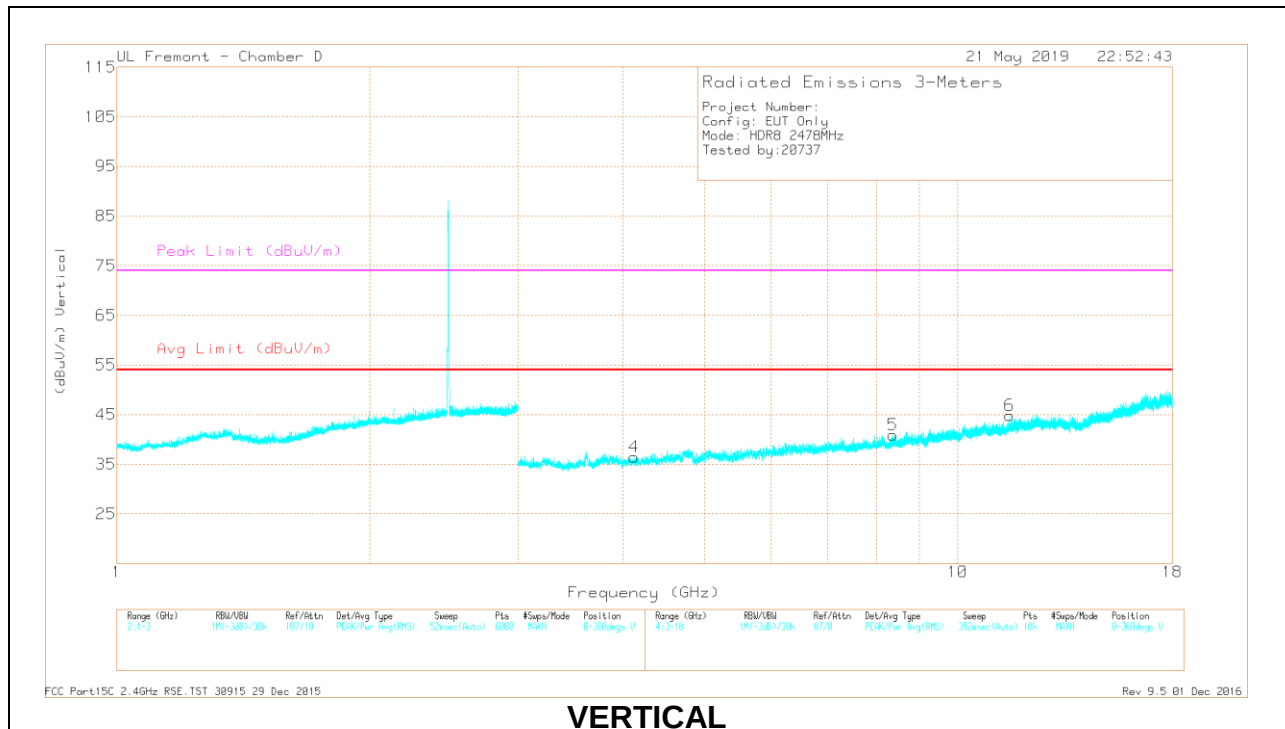
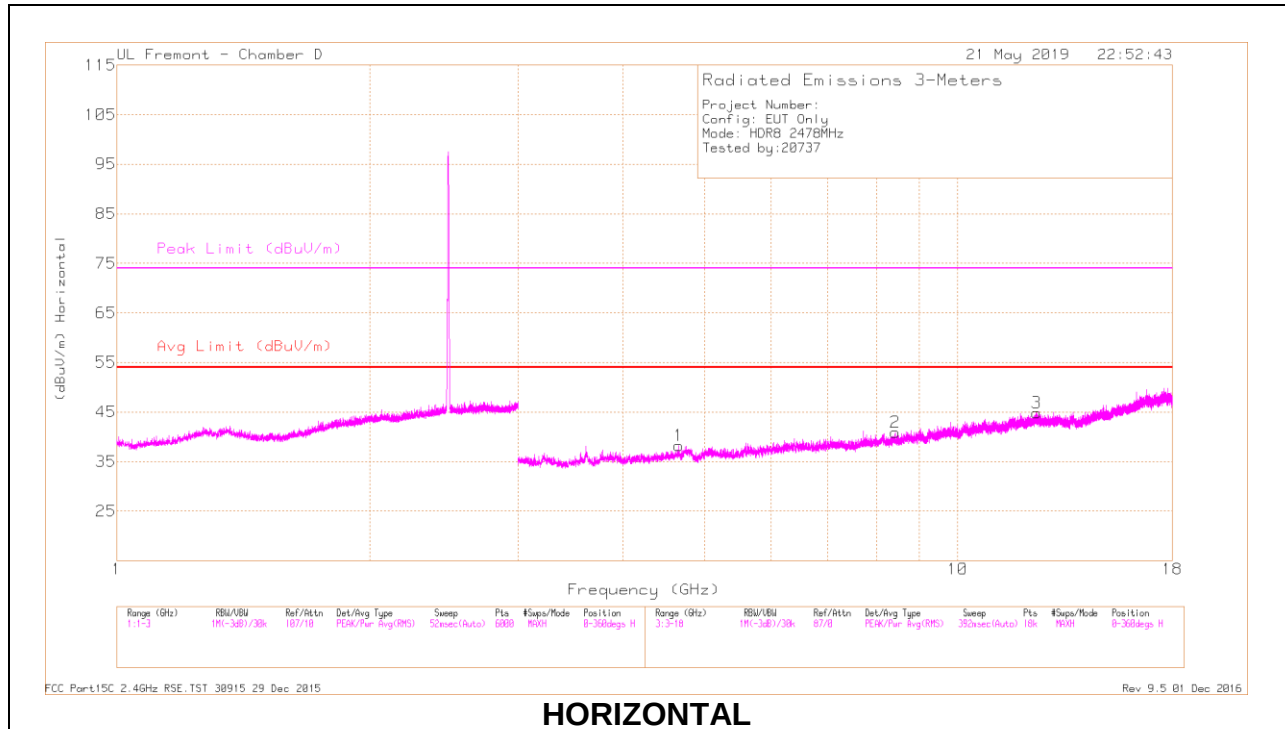
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (dB/m) | Amp/Cbl/Filtr/P ad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 4.15          | 38.9                 | PK2  | 33.3           | -28                     | 44.2                       | -                  | -           | 74                  | -29.8          | 318            | 131         | H        |
|        | * 4.149         | 27                   | MAv1 | 33.3           | -28                     | 32.3                       | 54                 | -21.7       | -                   | -              | 318            | 131         | H        |
| 2      | * 7.742         | 38.27                | PK2  | 35.6           | -24.6                   | 49.27                      | -                  | -           | 74                  | -24.73         | 278            | 175         | H        |
|        | * 7.743         | 24.19                | MAv1 | 35.6           | -24.6                   | 35.19                      | 54                 | -18.81      | -                   | -              | 278            | 175         | H        |
| 3      | * 11.09         | 34.41                | PK2  | 37.8           | -21.4                   | 50.81                      | -                  | -           | 74                  | -23.19         | 216            | 205         | H        |
|        | * 11.089        | 21.41                | MAv1 | 37.8           | -21.4                   | 37.81                      | 54                 | -16.19      | -                   | -              | 216            | 205         | H        |
| 4      | * 4.122         | 39.05                | PK2  | 33.4           | -28                     | 44.45                      | -                  | -           | 74                  | -29.55         | 247            | 246         | V        |
|        | * 4.123         | 26.97                | MAv1 | 33.4           | -28                     | 32.37                      | 54                 | -21.63      | -                   | -              | 247            | 246         | V        |
| 5      | * 4.815         | 38.49                | PK2  | 34             | -26.9                   | 45.59                      | -                  | -           | 74                  | -28.41         | 176            | 298         | V        |
|        | * 4.815         | 26.7                 | MAv1 | 34             | -26.9                   | 33.8                       | 54                 | -20.2       | -                   | -              | 176            | 298         | V        |
| 6      | * 10.797        | 34.23                | PK2  | 37.8           | -21.2                   | 50.83                      | -                  | -           | 74                  | -23.17         | 142            | 186         | V        |
|        | * 10.795        | 20.97                | MAv1 | 37.8           | -21.2                   | 37.57                      | 54                 | -16.43      | -                   | -              | 142            | 186         | 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 T712 (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      | * 4.66          | 40.52                | PK2  | 34             | -28.2                 | 46.32                      | -                  | -           | 74                  | -27.68         | 183            | 123         | H        |
|        | * 4.661         | 27.9                 | MAv1 | 34             | -28.2                 | 33.7                       | 54                 | -20.3       | -                   | -              | 183            | 123         | H        |
| 2      | * 8.429         | 36                   | PK2  | 35.8           | -23.5                 | 48.3                       | -                  | -           | 74                  | -25.7          | 218            | 166         | H        |
|        | * 8.431         | 22.92                | MAv1 | 35.8           | -23.5                 | 35.22                      | 54                 | -18.78      | -                   | -              | 218            | 166         | H        |
| 3      | * 12.415        | 35.22                | PK2  | 38.9           | -21.7                 | 52.42                      | -                  | -           | 74                  | -21.58         | 255            | 199         | H        |
|        | * 12.415        | 21.94                | MAv1 | 38.9           | -21.7                 | 39.14                      | 54                 | -14.86      | -                   | -              | 255            | 199         | H        |
| 4      | * 4.124         | 39.44                | PK2  | 33.4           | -28                   | 44.84                      | -                  | -           | 74                  | -29.16         | 300            | 254         | V        |
|        | * 4.121         | 26.93                | MAv1 | 33.4           | -27.9                 | 32.43                      | 54                 | -21.57      | -                   | -              | 300            | 254         | V        |
| 5      | * 8.374         | 35.64                | PK2  | 35.7           | -23.2                 | 48.14                      | -                  | -           | 74                  | -25.86         | 281            | 334         | V        |
|        | * 8.372         | 23.08                | MAv1 | 35.7           | -23.2                 | 35.58                      | 54                 | -18.42      | -                   | -              | 281            | 334         | V        |
| 6      | * 11.524        | 34.52                | PK2  | 38.2           | -21.4                 | 51.32                      | -                  | -           | 74                  | -22.68         | 327            | 281         | V        |
|        | * 11.522        | 21.17                | MAv1 | 38.2           | -21.4                 | 37.97                      | 54                 | -16.03      | -                   | -              | 327            | 281         | V        |

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

PK2 - KDB558074 Method: Maximum Peak

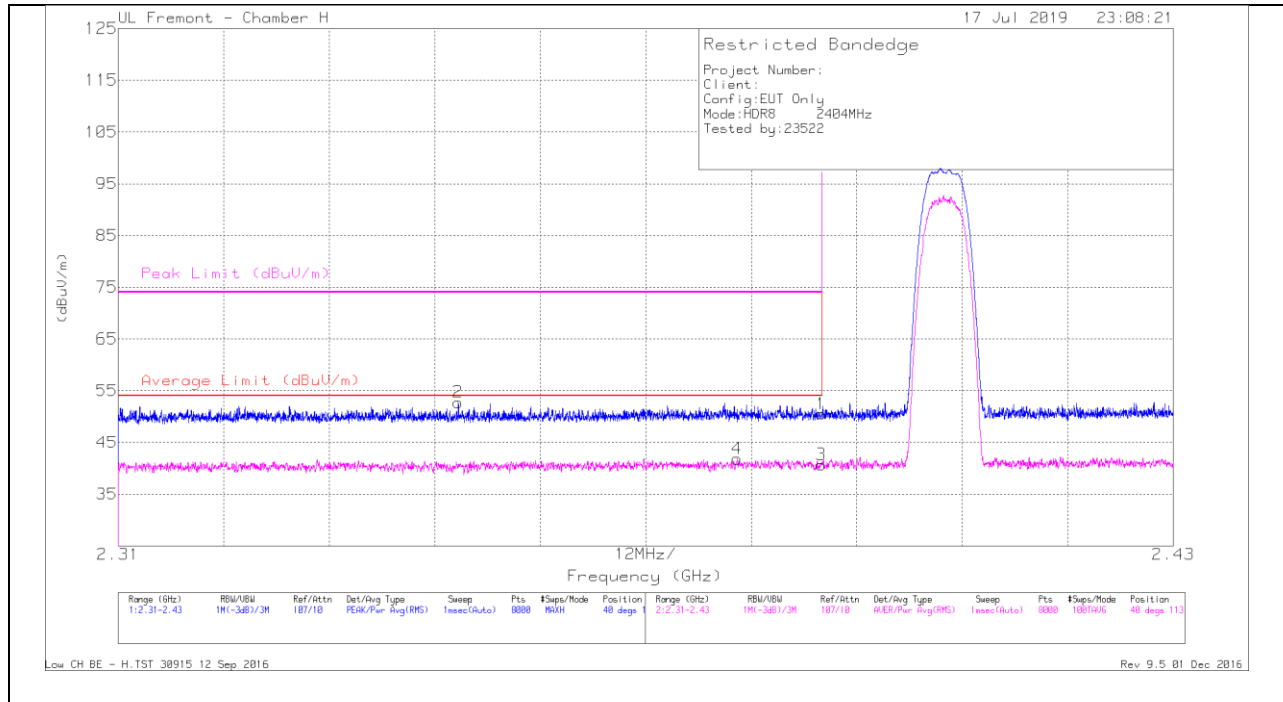
MAv1 - KDB558074 Option 1 Maximum RMS Average



### Antenna 3

## BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT



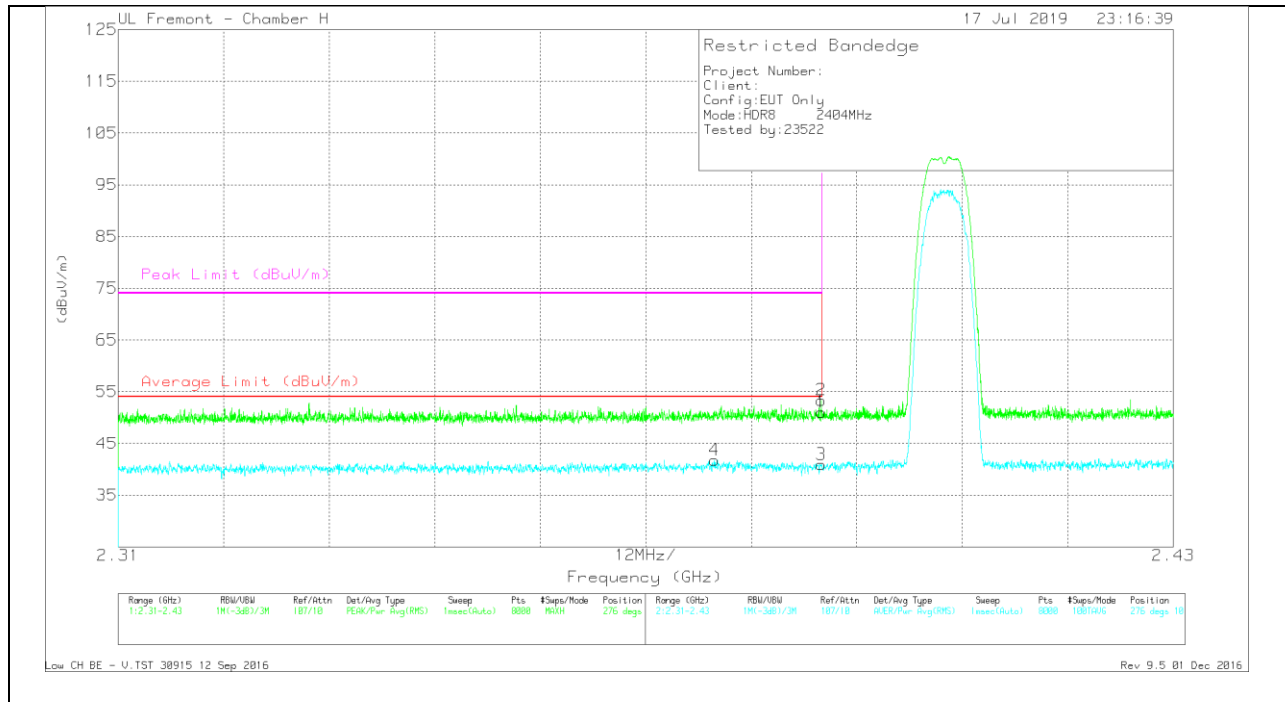
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T863 (dBm) | Amp/Cbl/Filtr/P ad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 41.89                | Pk  | 32.1          | -23.5                   | 50.49                      | -                      | -           | 74                  | -23.51         | 40             | 113         | H        |
| 2      | * 2.349         | 44.46                | Pk  | 31.9          | -23.6                   | 52.76                      | -                      | -           | 74                  | -21.24         | 40             | 113         | H        |
| 3      | * 2.39          | 32.09                | RMS | 32.1          | -23.5                   | 40.69                      | 54                     | -13.31      | -                   | -              | 40             | 113         | H        |
| 4      | * 2.38          | 33.14                | RMS | 32.2          | -23.5                   | 41.84                      | 54                     | -12.16      | -                   | -              | 40             | 113         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT

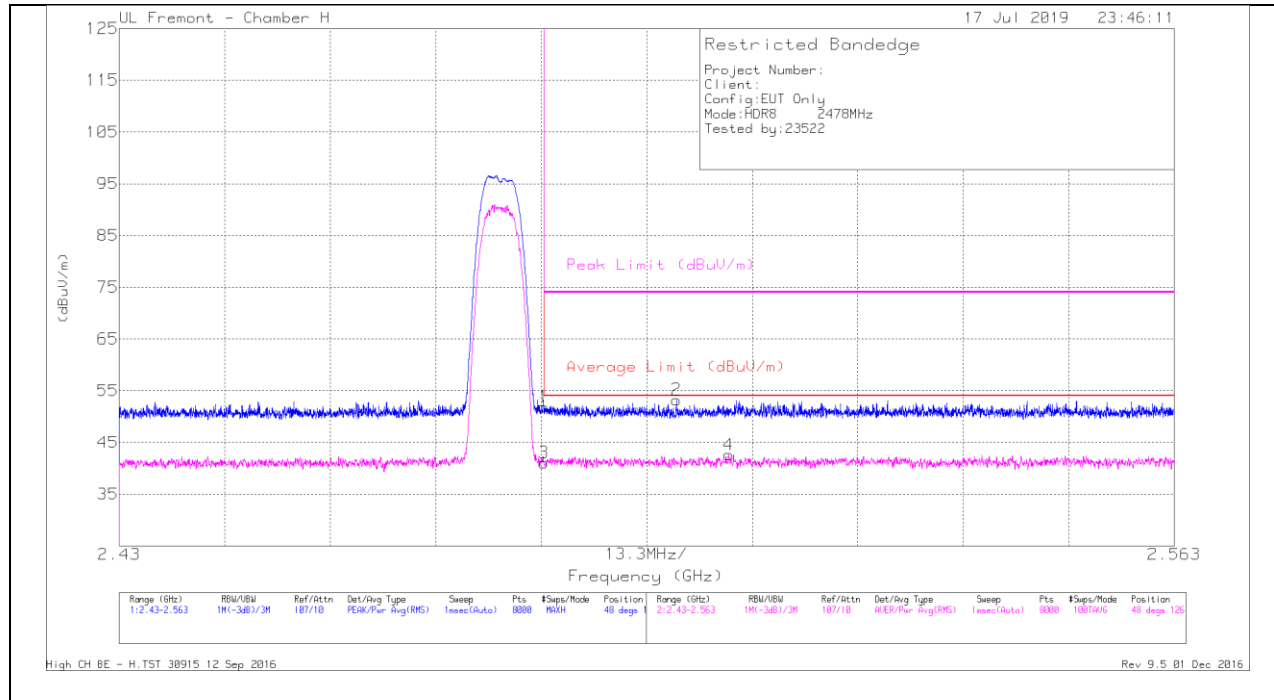


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T863 (dB/m) | Amp/Cb/Filt/PA ad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 42.43                | Pk  | 32.1           | -23.5                  | 51.03                      | -                      | -           | 74                  | -22.97         | 276            | 101         | V        |
| 2      | * 2.39          | 44.77                | Pk  | 32.1           | -23.5                  | 53.37                      | -                      | -           | 74                  | -20.63         | 276            | 101         | V        |
| 3      | * 2.39          | 32.31                | RMS | 32.1           | -23.5                  | 40.91                      | 54                     | -13.09      | -                   | -              | 276            | 101         | V        |
| 4      | * 2.378         | 33.08                | RMS | 32.2           | -23.5                  | 41.78                      | 54                     | -12.22      | -                   | -              | 276            | 101         | V        |

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

Pk - Peak detector

RMS - RMS detection

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

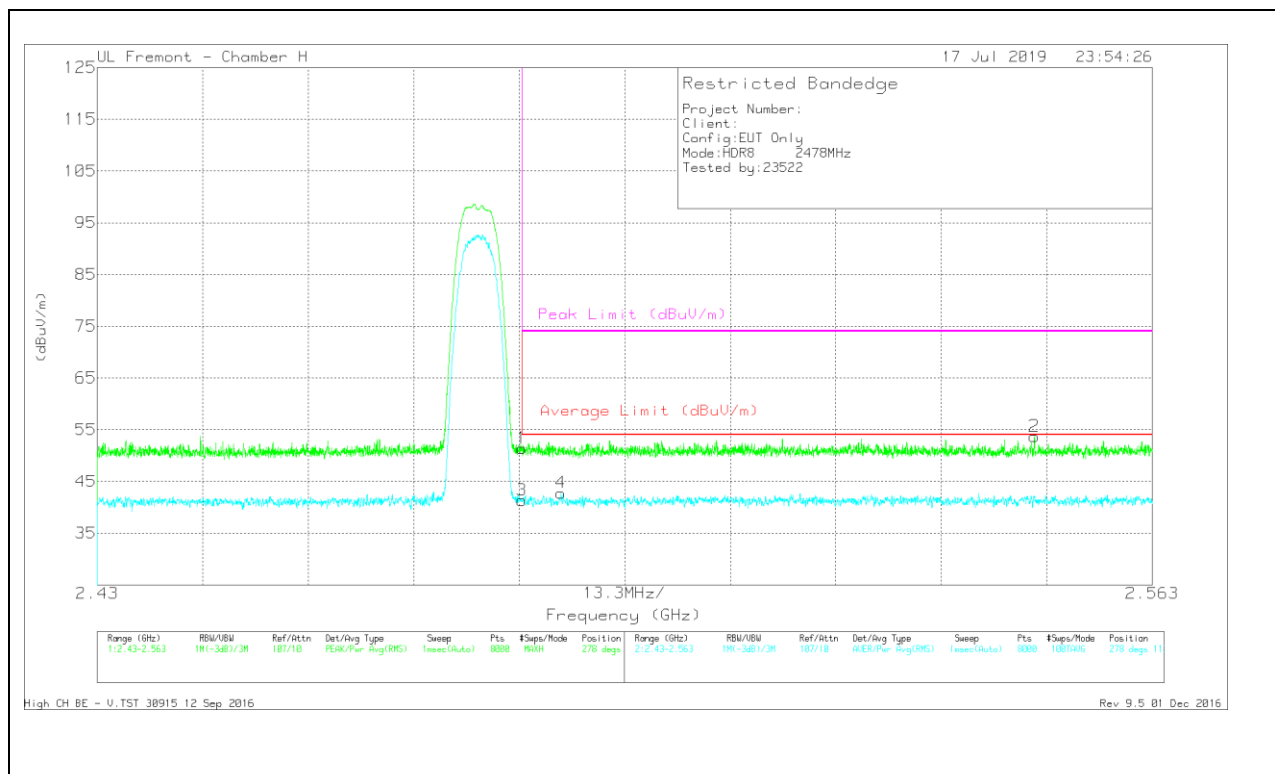
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T863 (dBm) | Amp/Cbl/FiltriP ad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 42.7                 | Pk  | 32.5          | -23.3                   | 51.9                       | -                      | -           | 74                  | -22.1          | 48             | 126         | H        |
| 3      | * 2.484         | 31.85                | RMS | 32.5          | -23.3                   | 41.05                      | 54                     | -12.95      | -                   | -              | 48             | 126         | H        |
| 2      | 2.5             | 44.04                | Pk  | 32.5          | -23.3                   | 53.24                      | -                      | -           | 74                  | -20.76         | 48             | 126         | H        |
| 4      | 2.507           | 33.19                | RMS | 32.6          | -23.2                   | 42.59                      | 54                     | -11.41      | -                   | -              | 48             | 126         | 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 (dBm) | Amp/CbI/FiltriP ad (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         | 42.23                | Pk  | 32.5          | -23.3                   | 51.43                      | -                      | -           | 74                  | -22.57         | 278            | 113         | V        |
| 3      | * 2.484         | 32.14                | RMS | 32.5          | -23.3                   | 41.34                      | 54                     | -12.66      | -                   | -              | 278            | 113         | V        |
| 4      | * 2.488         | 33.59                | RMS | 32.5          | -23.3                   | 42.79                      | 54                     | -11.21      | -                   | -              | 278            | 113         | V        |
| 2      | 2.548           | 44.3                 | Pk  | 32.5          | -23.1                   | 53.7                       | -                      | -           | 74                  | -20.3          | 278            | 113         | V        |

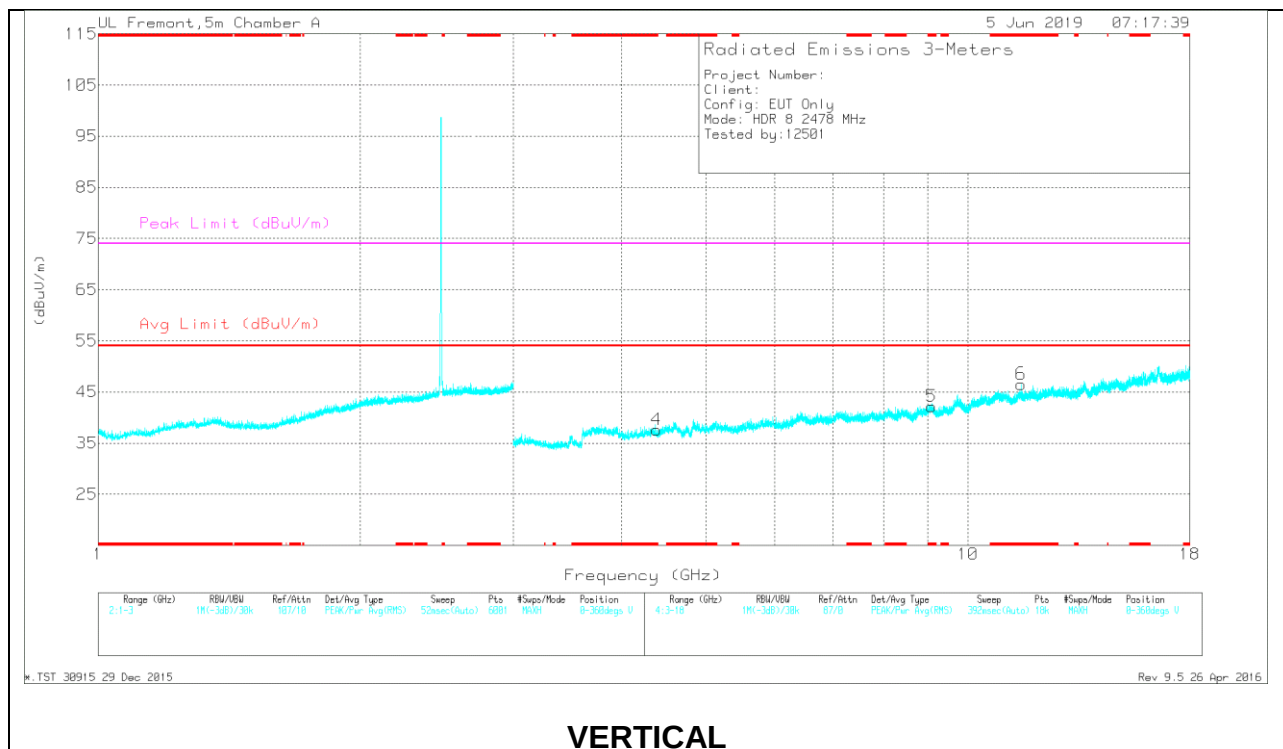
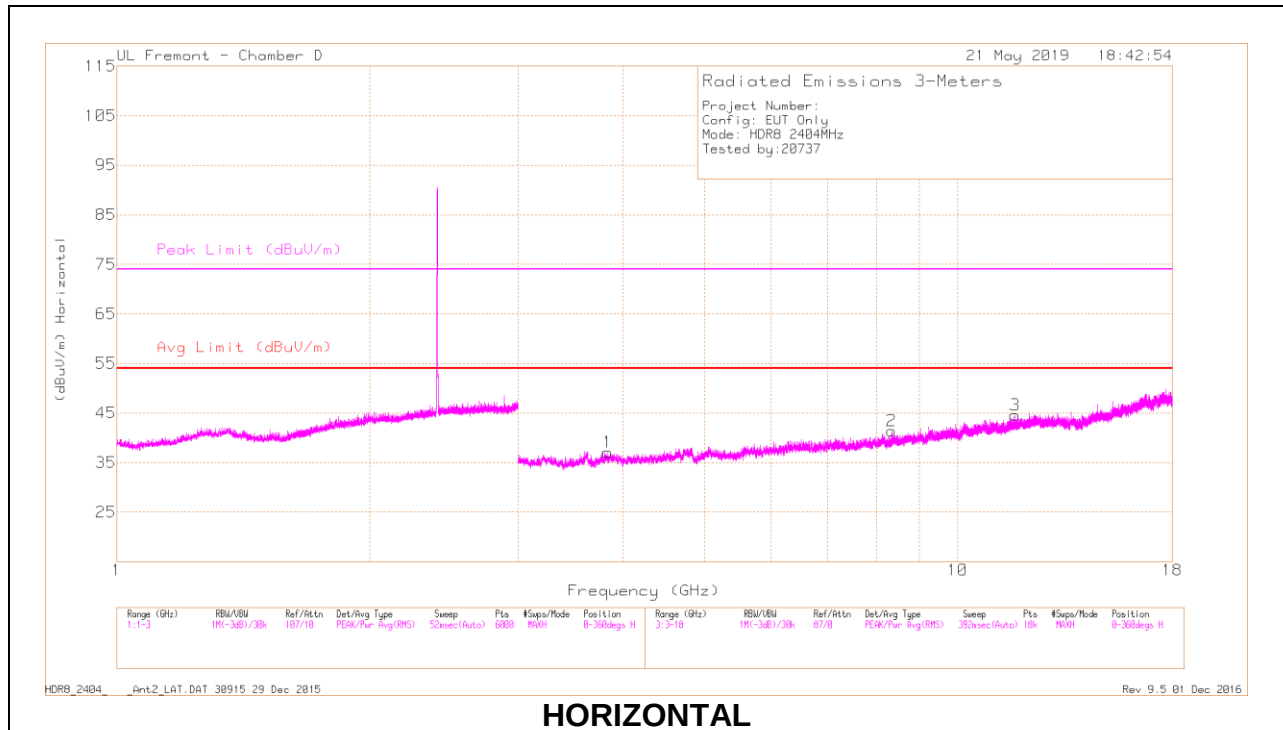
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



## RADIATED EMISSIONS

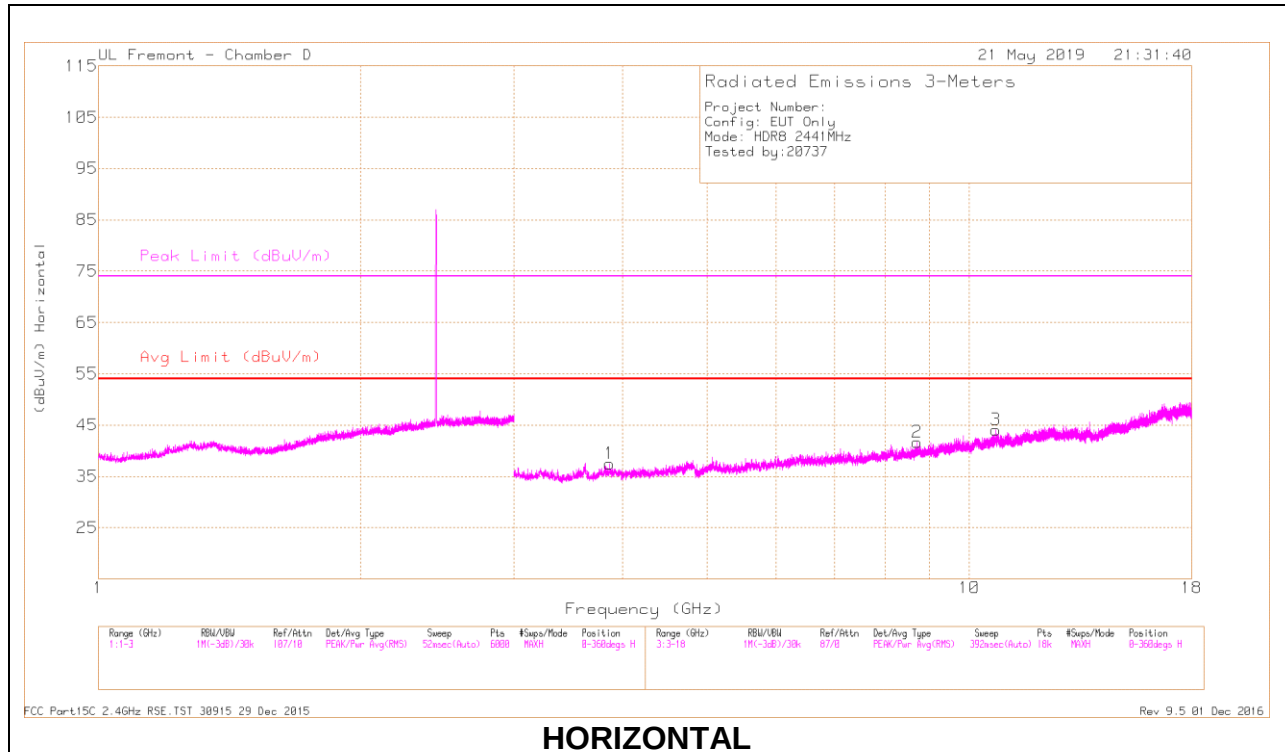
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (dB/m) | Amp/Cbl/Fitr/P ad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 3.834         | 40.31                | PK2  | 33.4           | -28.5                  | 45.21                      | -                  | -           | 74                  | -28.79         | 296            | 145         | H        |
|        | * 3.832         | 27.79                | MAv1 | 33.4           | -28.4                  | 32.79                      | 54                 | -21.21      | -                   | -              | 296            | 145         | H        |
| 2      | * 8.34          | 35.81                | PK2  | 35.7           | -23.7                  | 47.81                      | -                  | -           | 74                  | -26.19         | 316            | 188         | H        |
|        | * 8.34          | 23.21                | MAv1 | 35.7           | -23.7                  | 35.21                      | 54                 | -18.79      | -                   | -              | 316            | 188         | H        |
| 3      | * 11.699        | 34.68                | PK2  | 38.4           | -21.4                  | 51.68                      | -                  | -           | 74                  | -22.32         | 276            | 224         | H        |
|        | * 11.697        | 21.43                | MAv1 | 38.4           | -21.4                  | 38.43                      | 54                 | -15.57      | -                   | -              | 276            | 224         | H        |
| 4      | * 4.112         | 38.92                | PK2  | 33.4           | -28                    | 44.32                      | -                  | -           | 74                  | -29.68         | 238            | 245         | V        |
|        | * 4.111         | 27.08                | MAv1 | 33.4           | -28                    | 32.48                      | 54                 | -21.52      | -                   | -              | 238            | 245         | V        |
| 5      | * 8.353         | 35.43                | PK2  | 35.8           | -23.4                  | 47.83                      | -                  | -           | 74                  | -26.17         | 175            | 329         | V        |
|        | * 8.351         | 23.01                | MAv1 | 35.8           | -23.4                  | 35.41                      | 54                 | -18.59      | -                   | -              | 175            | 329         | V        |
| 6      | * 12.075        | 35.08                | PK2  | 38.7           | -22.1                  | 51.68                      | -                  | -           | 74                  | -22.32         | 303            | 290         | V        |
|        | * 12.076        | 21.87                | MAv1 | 38.7           | -22.1                  | 38.47                      | 54                 | -15.53      | -                   | -              | 303            | 290         | V        |

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

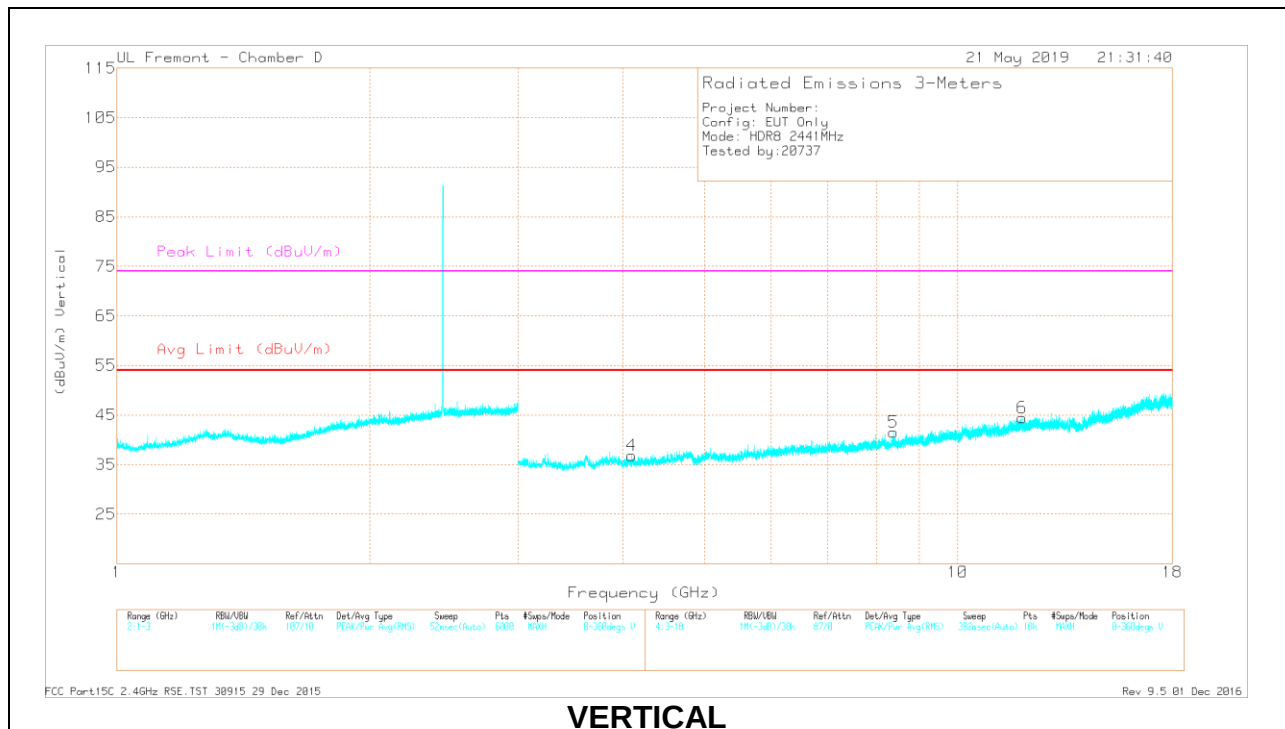
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

## MID CHANNEL RESULTS



## HORIZONTAL



## VERTICAL

## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (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      | * 3.859         | 40.17                | PK2  | 33.4           | -28.4                  | 45.17                      | -                  | -           | 74                  | -28.83         | 327            | 129         | H        |
|        | * 3.862         | 28.01                | MAv1 | 33.3           | -28.3                  | 33.01                      | 54                 | -20.99      | -                   | -              | 327            | 129         | H        |
| 3      | * 10.718        | 34.07                | PK2  | 37.9           | -21.1                  | 50.87                      | -                  | -           | 74                  | -23.13         | 235            | 184         | H        |
|        | * 10.717        | 20.82                | MAv1 | 37.9           | -21.1                  | 37.62                      | 54                 | -16.38      | -                   | -              | 235            | 184         | H        |
| 4      | * 4.097         | 39.05                | PK2  | 33.4           | -28                    | 44.45                      | -                  | -           | 74                  | -29.55         | 176            | 233         | V        |
|        | * 4.099         | 26.74                | MAv1 | 33.5           | -28                    | 32.24                      | 54                 | -21.76      | -                   | -              | 176            | 233         | V        |
| 5      | * 8.383         | 35.49                | PK2  | 35.8           | -22.9                  | 48.39                      | -                  | -           | 74                  | -25.61         | 266            | 262         | V        |
|        | * 8.385         | 22.95                | MAv1 | 35.8           | -22.9                  | 35.85                      | 54                 | -18.15      | -                   | -              | 266            | 262         | V        |
| 6      | * 11.933        | 34.27                | PK2  | 38.6           | -21.7                  | 51.17                      | -                  | -           | 74                  | -22.83         | 193            | 293         | V        |
|        | * 11.934        | 21.55                | MAv1 | 38.6           | -21.7                  | 38.45                      | 54                 | -15.55      | -                   | -              | 193            | 293         | V        |
| 2      | 8.713           | 35.65                | PK2  | 35.9           | -22.2                  | 49.35                      | -                  | -           | -                   | -              | 299            | 160         | H        |
|        | 8.716           | 21.83                | MAv1 | 35.9           | -22.1                  | 35.63                      | -                  | -           | -                   | -              | 299            | 160         | H        |

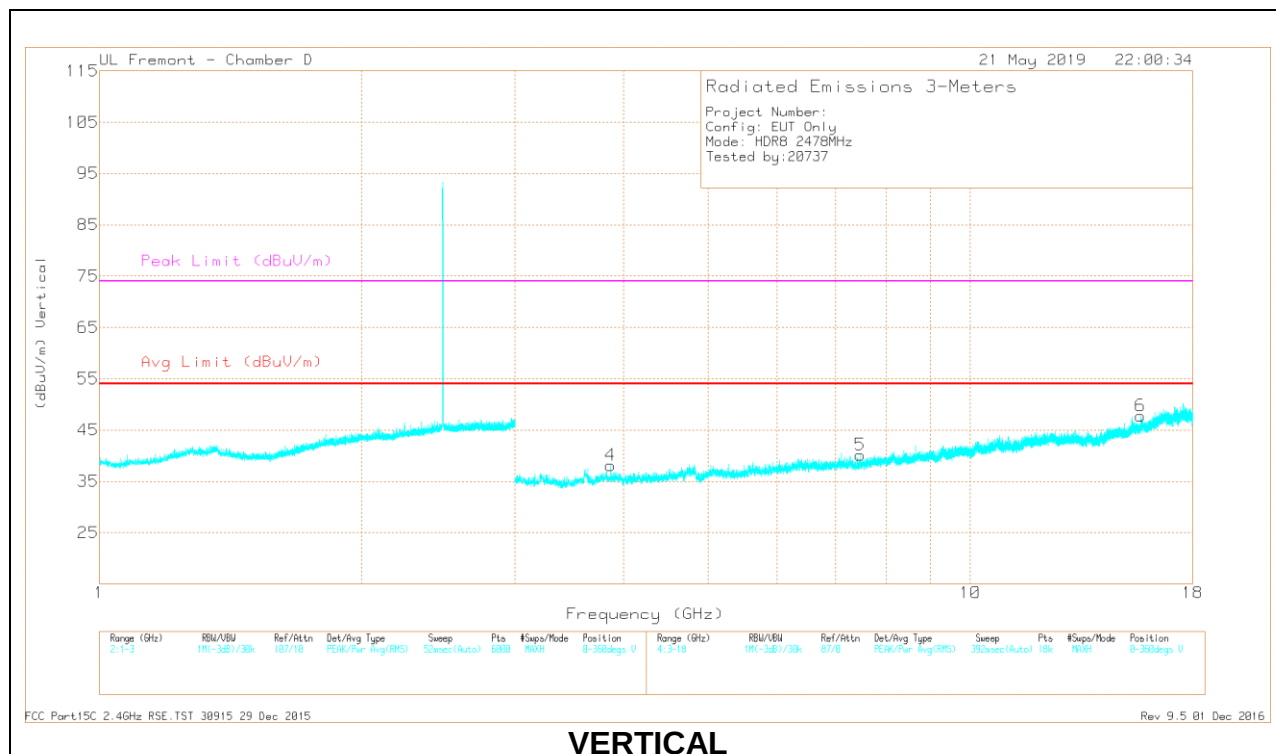
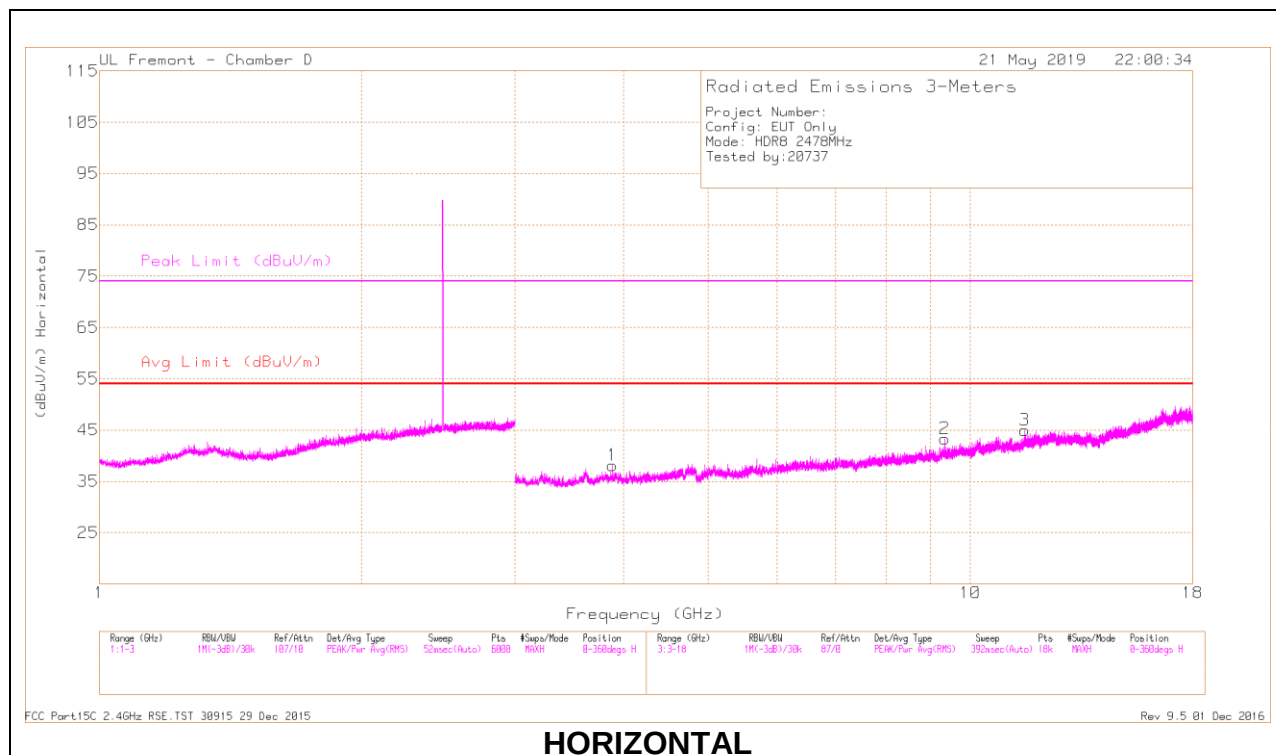
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average



## HIGH CHANNEL RESULTS



## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (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      | * 3.88          | 39.55                | PK2  | 33.4           | -28.2                  | 44.75                      | -                  | -           | 74                  | -29.25         | 255            | 125         | H        |
|        | * 3.879         | 27.44                | MAv1 | 33.4           | -28.2                  | 32.64                      | 54                 | -21.36      | -                   | -              | 255            | 125         | H        |
| 2      | * 9.342         | 34.7                 | PK2  | 36.3           | -21.6                  | 49.4                       | -                  | -           | 74                  | -24.6          | 182            | 164         | H        |
|        | * 9.344         | 21.63                | MAv1 | 36.3           | -21.7                  | 36.23                      | 54                 | -17.77      | -                   | -              | 182            | 164         | H        |
| 3      | * 11.558        | 34.3                 | PK2  | 38.2           | -21.2                  | 51.3                       | -                  | -           | 74                  | -22.7          | 240            | 197         | H        |
|        | * 11.556        | 21.33                | MAv1 | 38.2           | -21.1                  | 38.43                      | 54                 | -15.57      | -                   | -              | 240            | 197         | H        |
| 4      | * 3.863         | 40.1                 | PK2  | 33.3           | -28.2                  | 45.2                       | -                  | -           | 74                  | -28.8          | 311            | 264         | V        |
|        | * 3.863         | 28.08                | MAv1 | 33.3           | -28.2                  | 33.18                      | 54                 | -20.82      | -                   | -              | 311            | 264         | V        |
| 5      | * 7.479         | 36.07                | PK2  | 35.4           | -24.7                  | 46.77                      | -                  | -           | 74                  | -27.23         | 298            | 287         | V        |
|        | * 7.478         | 23.66                | MAv1 | 35.5           | -24.7                  | 34.46                      | 54                 | -19.54      | -                   | -              | 298            | 287         | V        |
| 6      | * 15.685        | 35.08                | PK2  | 40.2           | -21.5                  | 53.78                      | -                  | -           | 74                  | -20.22         | 257            | 315         | V        |
|        | * 15.684        | 22.39                | MAv1 | 40.2           | -21.6                  | 40.99                      | 54                 | -13.01      | -                   | -              | 257            | 315         | V        |

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

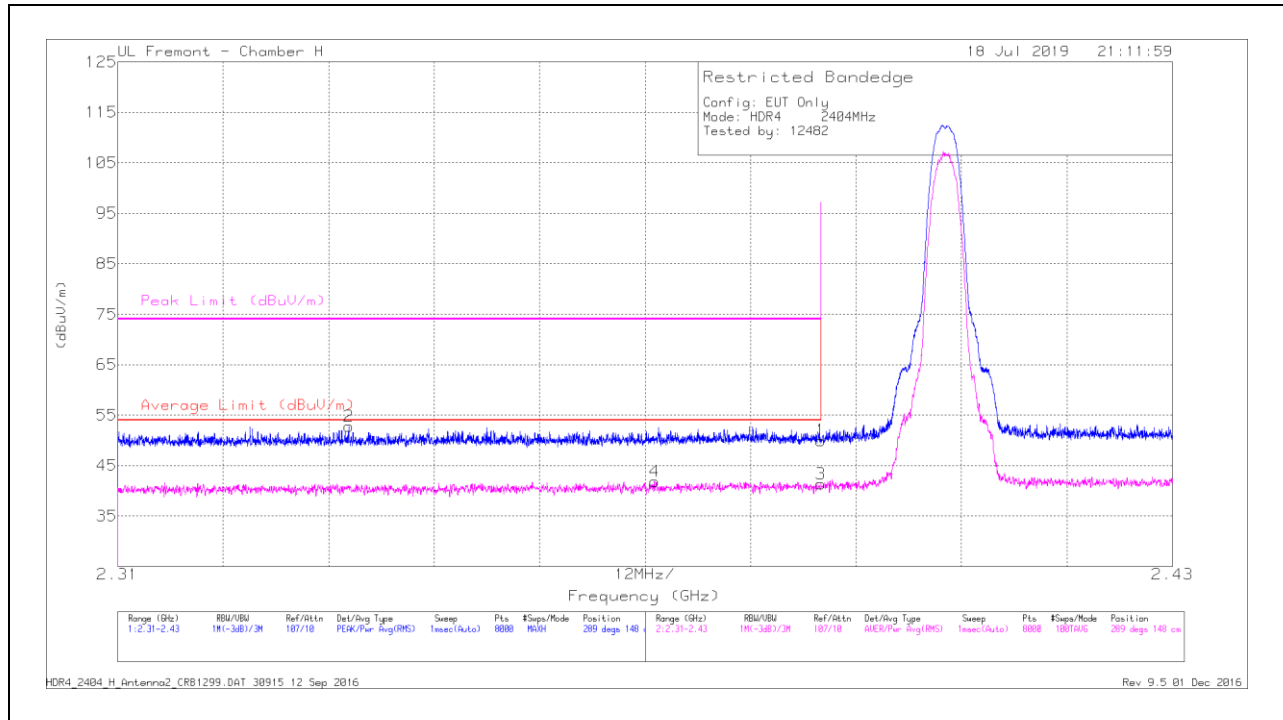
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

## 9.2.5. BEAMFORMING HIGH POWER HDR (HDR4)

### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT



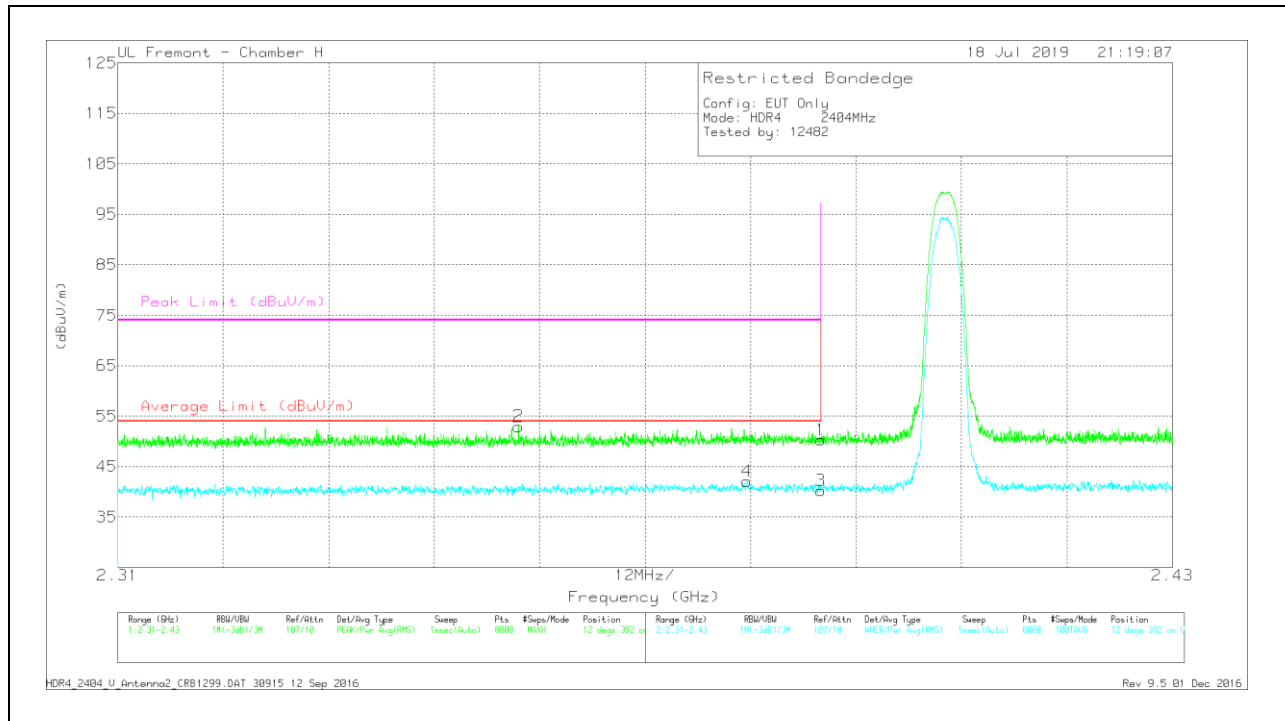
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T863 (dB/m) | Ampl/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 41.38                | Pk  | 32.1           | -23.5                   | 49.98                      | -                      | -           | 74                  | -24.02         | 289            | 148         | H        |
| 2      | * 2.336         | 44.51                | Pk  | 31.9           | -23.6                   | 52.81                      | -                      | -           | 74                  | -21.19         | 289            | 148         | H        |
| 3      | * 2.39          | 32.73                | RMS | 32.1           | -23.5                   | 41.33                      | 54                     | -12.67      | -                   | -              | 289            | 148         | H        |
| 4      | * 2.371         | 33.23                | RMS | 32.1           | -23.5                   | 41.83                      | 54                     | -12.17      | -                   | -              | 289            | 148         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T863 (dBm) | 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 |
|--------|-----------------|----------------------|-----|---------------|----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 41.68                | Pk  | 32.1          | -23.5                | 50.28                      | -                      | -           | 74                  | -23.72         | 12             | 392         | V        |
| 2      | * 2.356         | 44.66                | Pk  | 31.9          | -23.6                | 52.96                      | -                      | -           | 74                  | -21.04         | 12             | 392         | V        |
| 3      | * 2.39          | 31.69                | RMS | 32.1          | -23.5                | 40.29                      | 54                     | -13.71      | -                   | -              | 12             | 392         | V        |
| 4      | * 2.382         | 33.34                | RMS | 32.2          | -23.5                | 42.04                      | 54                     | -11.96      | -                   | -              | 12             | 392         | V        |

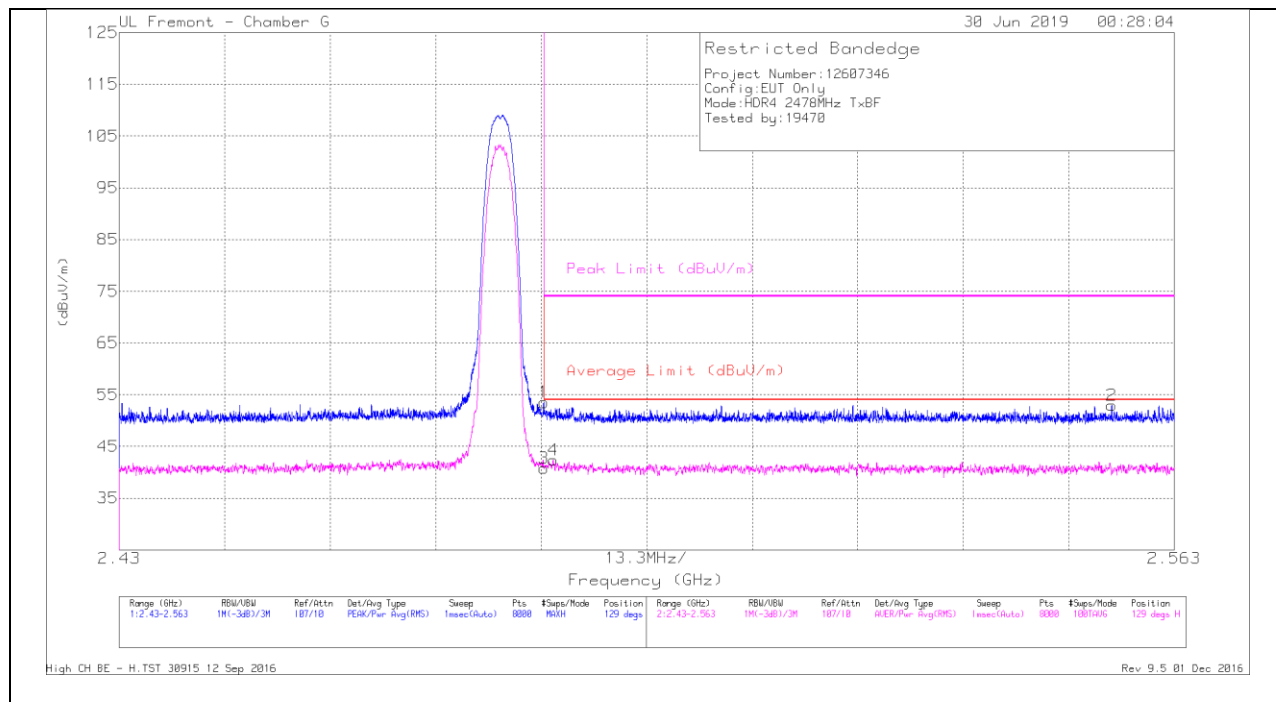
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

# **BANDEDGE (HIGH CHANNEL)**

## **HORIZONTAL RESULT**



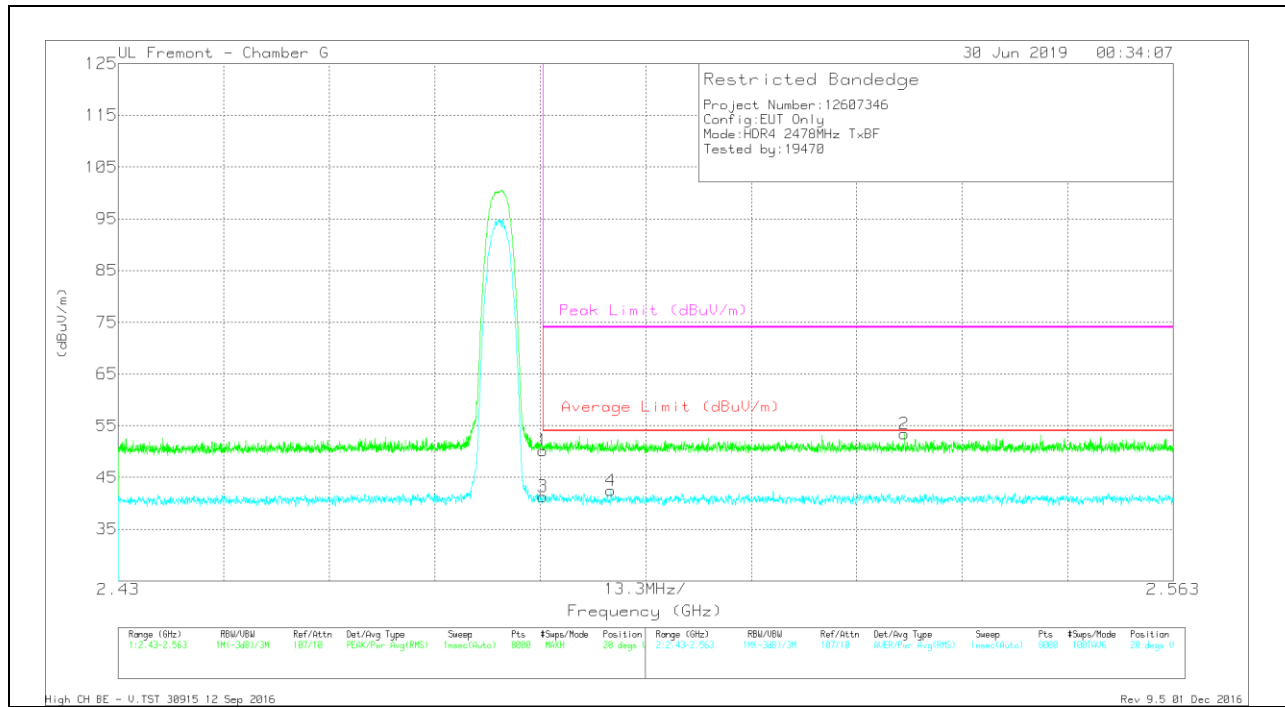
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cbl/Ftr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 43.23                | Pk  | 32.4           | -22.1                 | 53.53                      | -                      | -           | 74                  | -20.47         | 129            | 168         | H        |
| 3      | * 2.484         | 30.47                | RMS | 32.4           | -22.1                 | 40.77                      | 54                     | -13.23      | -                   | -              | 129            | 168         | H        |
| 4      | * 2.485         | 32.06                | RMS | 32.4           | -22.1                 | 42.36                      | 54                     | -11.64      | -                   | -              | 129            | 168         | H        |
| 2      | 2.555           | 42.65                | Pk  | 32.4           | -22.1                 | 52.95                      | -                      | -           | 74                  | -21.05         | 129            | 168         | 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/Cb/Ftr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 39.91                | Pk  | 32.4           | -22.1                | 50.21                      | -                      | -           | 74                  | -23.79         | 20             | 400         | V        |
| 3      | * 2.484         | 31                   | RMS | 32.4           | -22.1                | 41.3                       | 54                     | -12.7       | -                   | -              | 20             | 400         | V        |
| 4      | * 2.492         | 32.26                | RMS | 32.4           | -22.2                | 42.46                      | 54                     | -11.54      | -                   | -              | 20             | 400         | V        |
| 2      | 2.529           | 43.21                | Pk  | 32.4           | -22.2                | 53.41                      | -                      | -           | 74                  | -20.59         | 20             | 400         | V        |

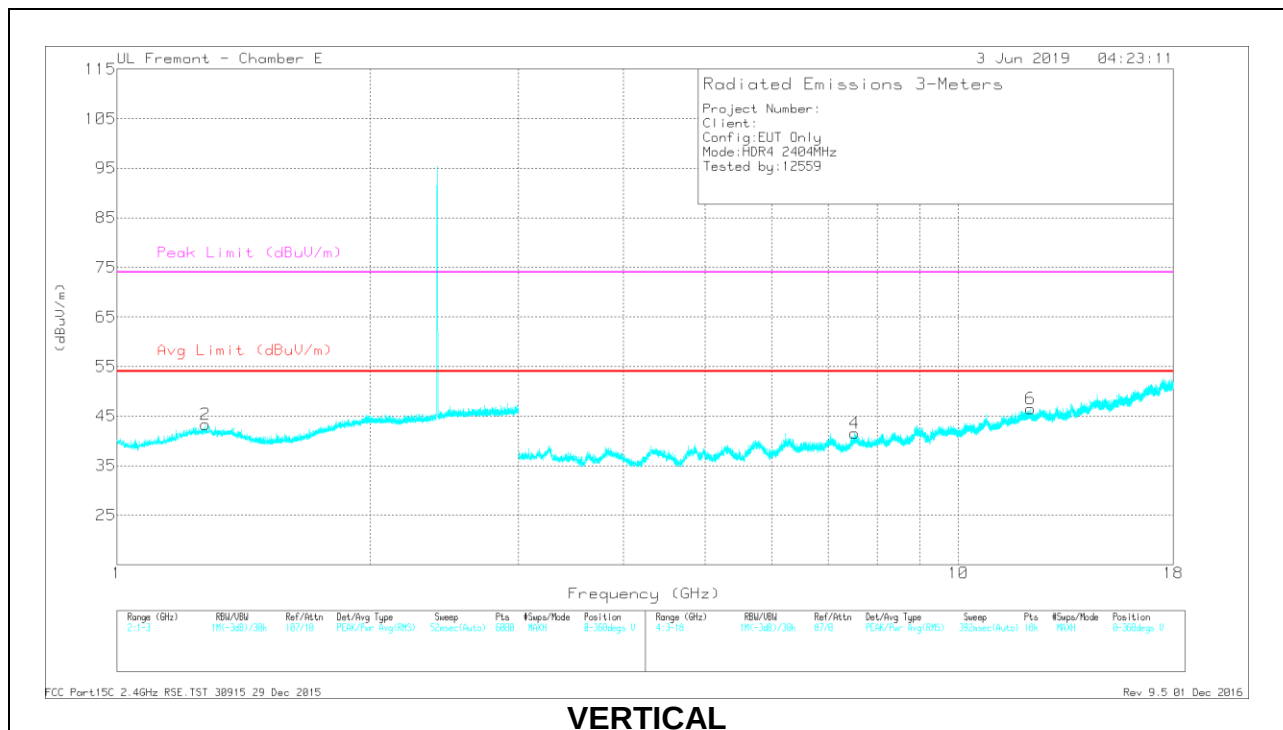
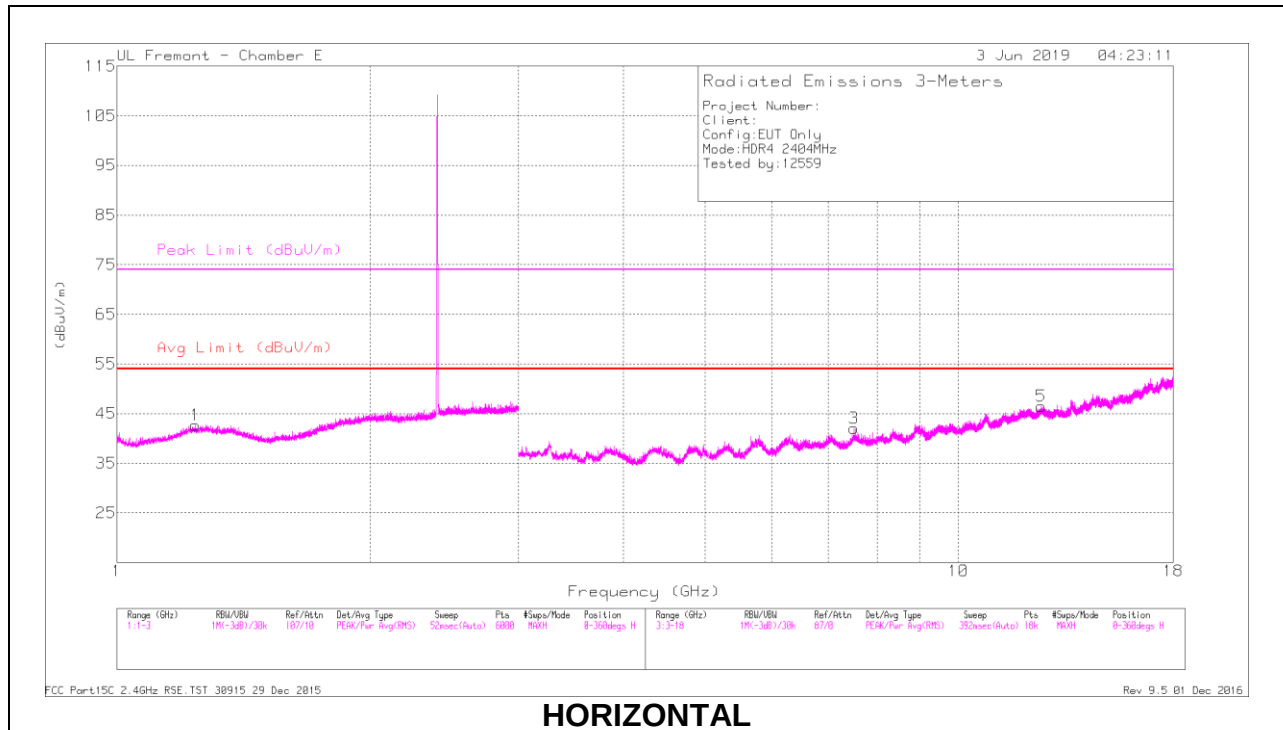
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T119 (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      | * 1.238         | 46.12                | PK2  | 29.8           | -26.1                  | 49.82                      | -                  | -           | 74                  | -24.18         | 80             | 150         | H        |
|        | * 1.238         | 33.78                | MAv1 | 29.8           | -26.1                  | 37.48                      | 54                 | -16.52      | -                   | -              | 80             | 150         | H        |
| 2      | * 1.275         | 46.39                | PK2  | 30.2           | -26.2                  | 50.39                      | -                  | -           | 74                  | -23.61         | 253            | 326         | V        |
|        | * 1.275         | 33.91                | MAv1 | 30.2           | -26.2                  | 37.91                      | 54                 | -16.09      | -                   | -              | 253            | 326         | V        |
| 3      | * 7.509         | 38.97                | PK2  | 35.8           | -26.6                  | 48.17                      | -                  | -           | 74                  | -25.83         | 179            | 283         | H        |
|        | * 7.511         | 26.87                | MAv1 | 35.8           | -26.6                  | 36.07                      | 54                 | -17.93      | -                   | -              | 179            | 283         | H        |
| 5      | * 12.549        | 35.37                | PK2  | 39             | -21.2                  | 53.17                      | -                  | -           | 74                  | -20.83         | 302            | 365         | H        |
|        | * 12.549        | 23.88                | MAv1 | 39             | -21.2                  | 41.68                      | 54                 | -12.32      | -                   | -              | 302            | 365         | H        |
| 4      | * 7.525         | 38.55                | PK2  | 35.7           | -26.5                  | 47.75                      | -                  | -           | 74                  | -26.25         | 0              | 189         | V        |
|        | * 7.526         | 26.77                | MAv1 | 35.7           | -26.5                  | 35.97                      | 54                 | -18.03      | -                   | -              | 0              | 189         | V        |
| 6      | * 12.179        | 35.45                | PK2  | 39             | -21.8                  | 52.65                      | -                  | -           | 74                  | -21.35         | 215            | 186         | V        |
|        | * 12.181        | 24                   | MAv1 | 39             | -21.8                  | 41.2                       | 54                 | -12.8       | -                   | -              | 215            | 186         | V        |

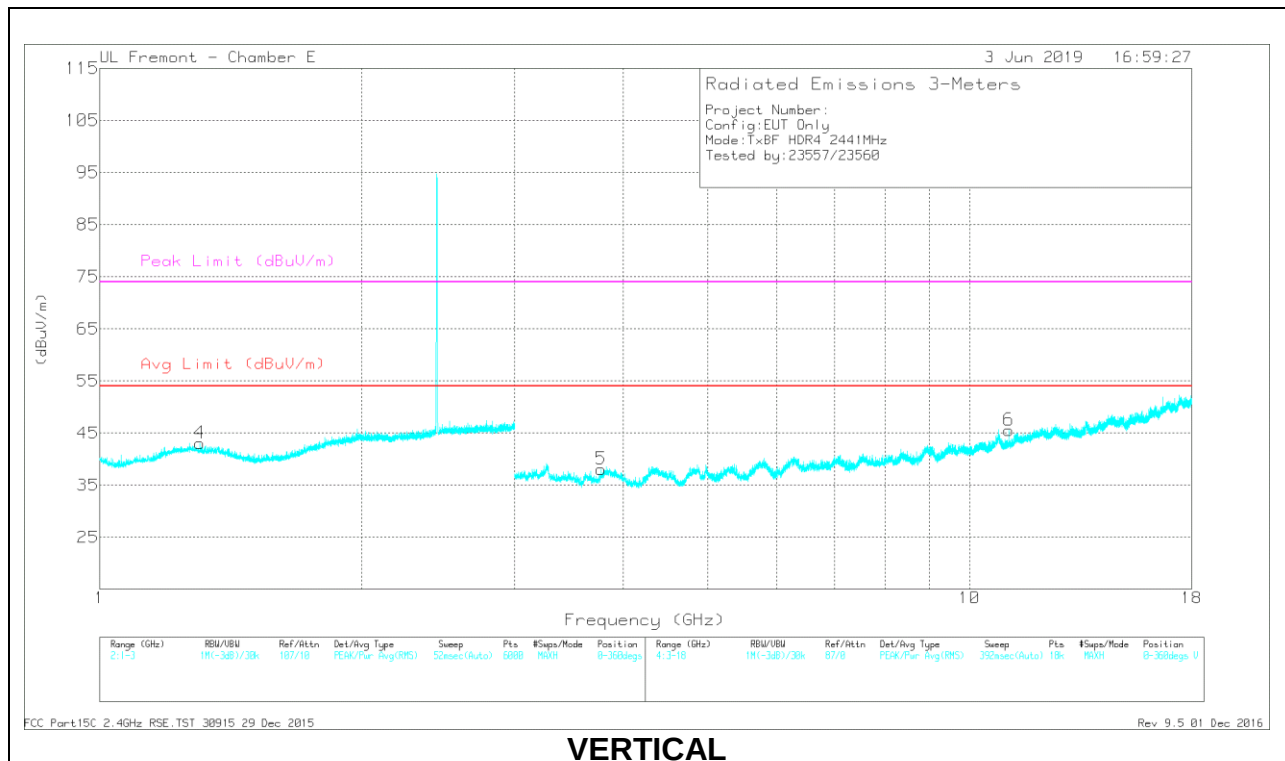
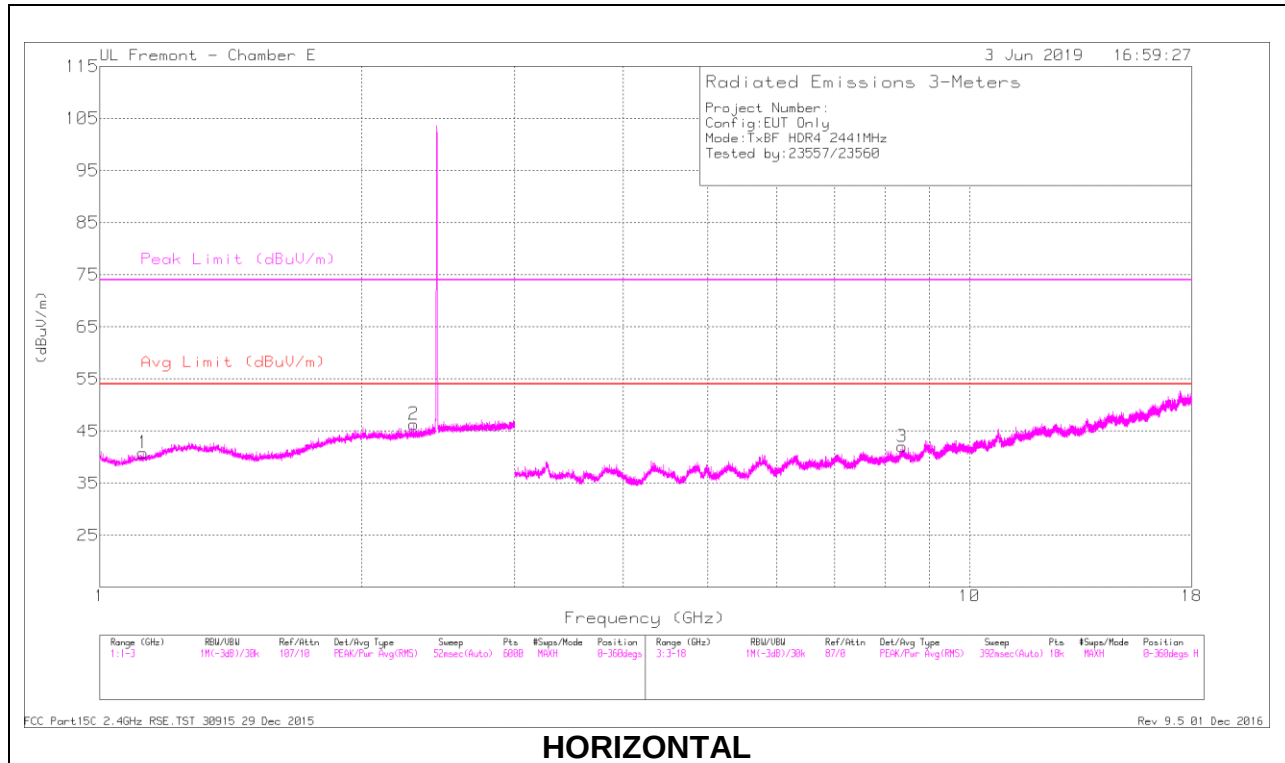
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average



## MID CHANNEL RESULTS



## RADIATED EMISSIONS

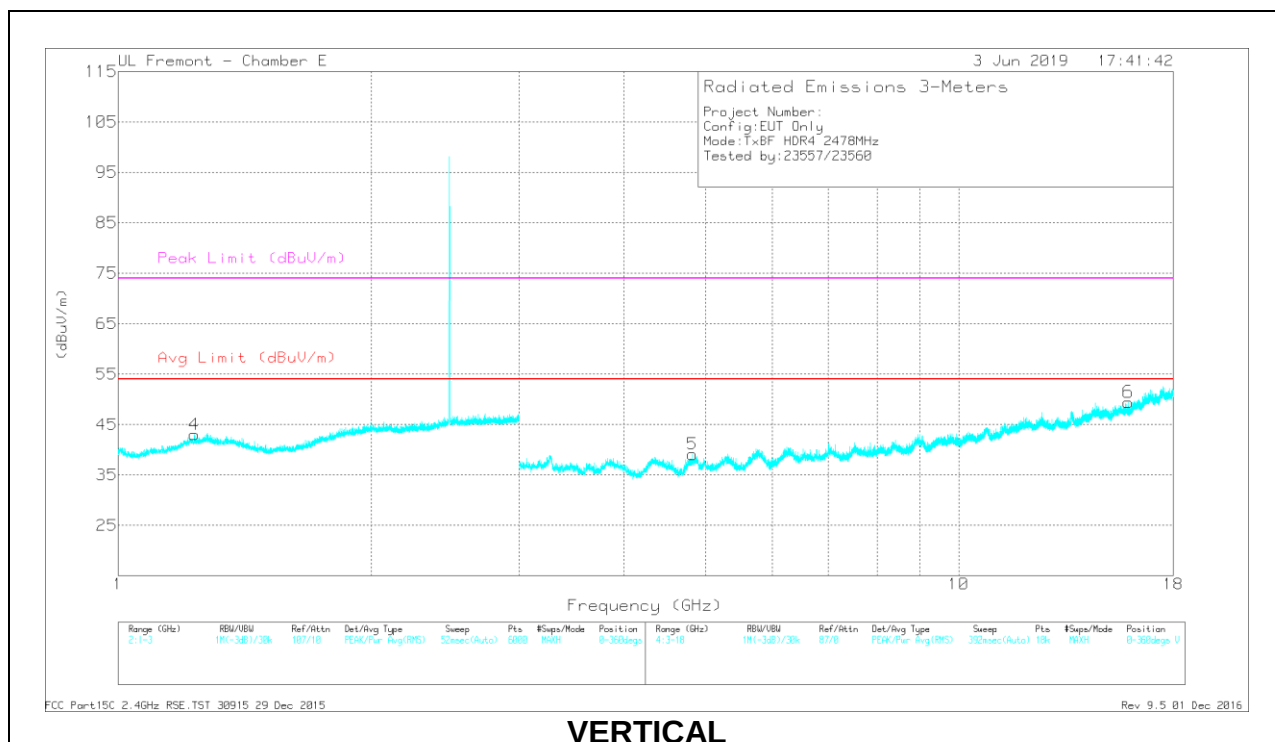
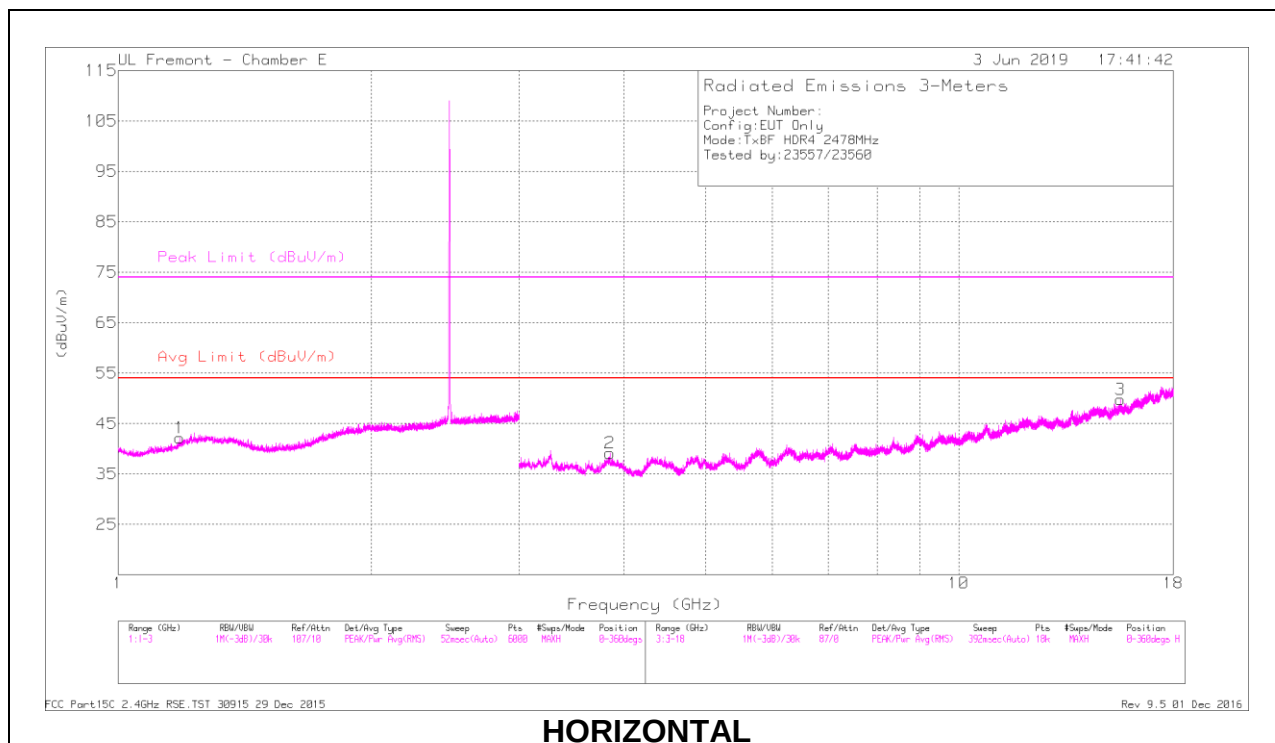
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.121         | 45.29                | PK2  | 27.9           | -25.9                  | 47.29                      | -                  | -           | 74                  | -26.71         | 345            | 200         | H        |
|        | * 1.122         | 33.97                | MAv1 | 28             | -25.9                  | 36.07                      | 54                 | -17.93      | -                   | -              | 345            | 200         | H        |
| 2      | * 2.296         | 46.85                | PK2  | 32             | -26.3                  | 52.55                      | -                  | -           | 74                  | -21.45         | 146            | 169         | H        |
|        | * 2.294         | 34.75                | MAv1 | 32             | -26.3                  | 40.45                      | 54                 | -13.55      | -                   | -              | 146            | 169         | H        |
| 4      | * 1.304         | 45.97                | PK2  | 29.7           | -26.2                  | 49.47                      | -                  | -           | 74                  | -24.53         | 37             | 154         | V        |
|        | * 1.303         | 34.36                | MAv1 | 29.7           | -26.2                  | 37.86                      | 54                 | -16.14      | -                   | -              | 37             | 154         | V        |
| 3      | * 8.367         | 38.04                | PK2  | 35.8           | -25.6                  | 48.24                      | -                  | -           | 74                  | -25.76         | 229            | 136         | H        |
|        | * 8.369         | 27.11                | MAv1 | 35.8           | -25.6                  | 37.31                      | 54                 | -16.69      | -                   | -              | 229            | 136         | H        |
| 5      | * 3.771         | 44.39                | PK2  | 33.2           | -32.4                  | 45.19                      | -                  | -           | 74                  | -28.81         | 254            | 281         | V        |
|        | * 3.773         | 32.38                | MAv1 | 33.2           | -32.4                  | 33.18                      | 54                 | -20.82      | -                   | -              | 254            | 281         | V        |
| 6      | * 11.099        | 36.81                | PK2  | 37.8           | -24                    | 50.61                      | -                  | -           | 74                  | -23.39         | 36             | 201         | V        |
|        | * 11.098        | 25.79                | MAv1 | 37.8           | -24                    | 39.59                      | 54                 | -14.41      | -                   | -              | 36             | 201         | 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 T119 (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      | * 1.183         | 46.06                | PK2  | 29             | -26.1                  | 48.96                      | -                  | -           | 74                  | -25.04         | 33             | 203         | H        |
|        | * 1.183         | 34.25                | MAv1 | 29.1           | -26.1                  | 37.25                      | 54                 | -16.75      | -                   | -              | 33             | 203         | H        |
| 4      | * 1.234         | 45.75                | PK2  | 29.9           | -26.1                  | 49.55                      | -                  | -           | 74                  | -24.45         | 88             | 104         | V        |
|        | * 1.234         | 34.23                | MAv1 | 29.9           | -26.1                  | 38.03                      | 54                 | -15.97      | -                   | -              | 88             | 104         | V        |
| 2      | * 3.848         | 43.71                | PK2  | 33.4           | -30.6                  | 46.51                      | -                  | -           | 74                  | -27.49         | 284            | 232         | H        |
|        | * 3.846         | 31.45                | MAv1 | 33.4           | -30.6                  | 34.25                      | 54                 | -19.75      | -                   | -              | 284            | 232         | H        |
| 3      | * 15.568        | 35.43                | PK2  | 40.3           | -20.1                  | 55.63                      | -                  | -           | 74                  | -18.37         | 358            | 355         | H        |
|        | * 15.569        | 24.37                | MAv1 | 40.3           | -20.1                  | 44.57                      | 54                 | -9.43       | -                   | -              | 358            | 355         | H        |
| 5      | * 4.825         | 41.81                | PK2  | 34.1           | -30                    | 45.91                      | -                  | -           | 74                  | -28.09         | 307            | 104         | V        |
|        | * 4.825         | 30.5                 | MAv1 | 34.1           | -30                    | 34.6                       | 54                 | -19.4       | -                   | -              | 307            | 104         | V        |
| 6      | * 15.914        | 35.26                | PK2  | 40.1           | -20                    | 55.36                      | -                  | -           | 74                  | -18.64         | 231            | 248         | V        |
|        | * 15.914        | 24.34                | MAv1 | 40.1           | -20                    | 44.44                      | 54                 | -9.56       | -                   | -              | 231            | 248         | V        |

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

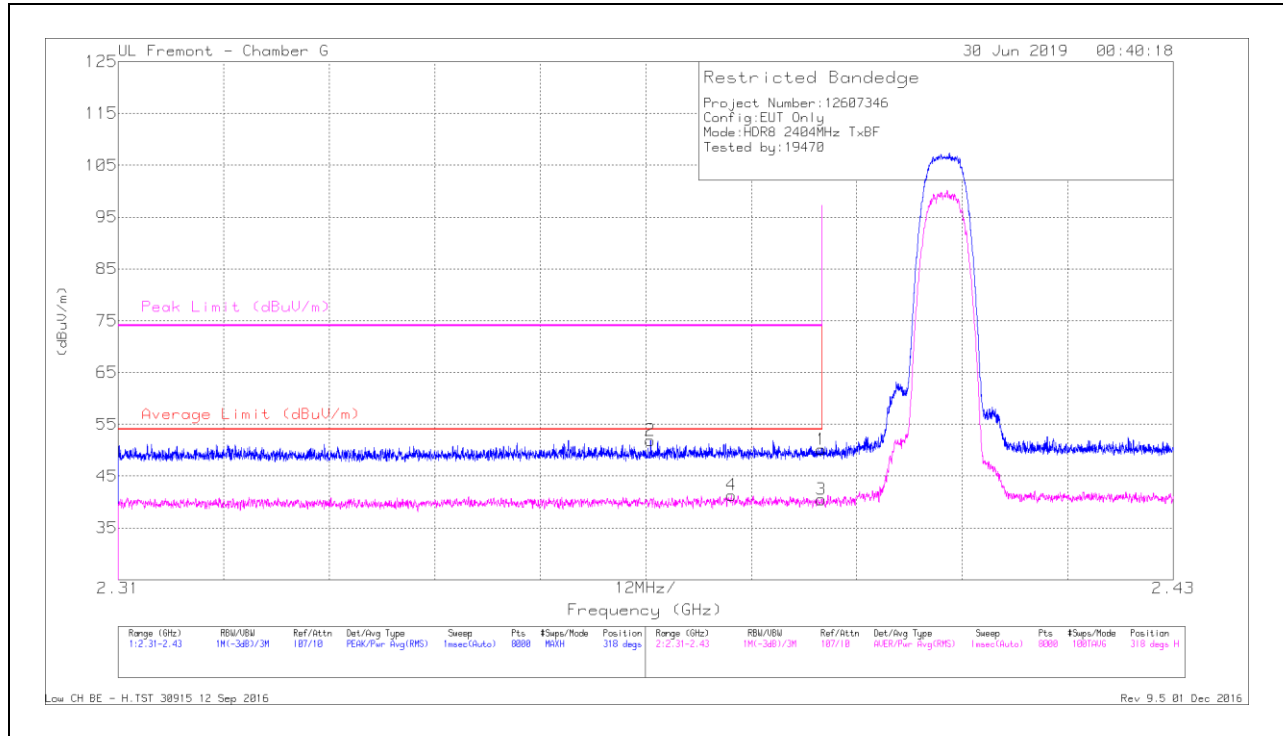
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

## 9.2.6. BEAMFORMING HIGH POWER HDR (HDR8)

### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT



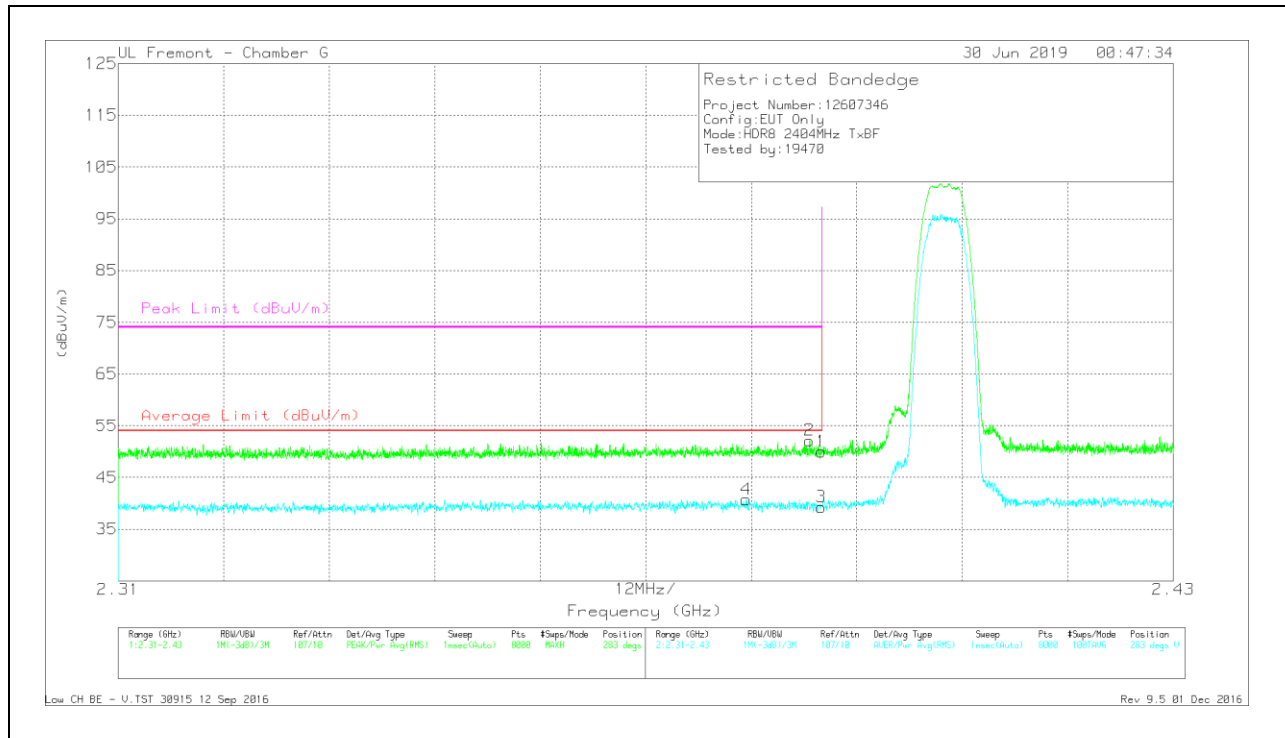
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cb/Ftr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 40.45                | Pk  | 31.9           | -22.2                | 50.15                      | -                      | -           | 74                  | -23.85         | 318            | 204         | H        |
| 2      | * 2.371         | 42.3                 | Pk  | 31.8           | -22.2                | 51.9                       | -                      | -           | 74                  | -22.1          | 318            | 204         | H        |
| 3      | * 2.39          | 30.81                | RMS | 31.9           | -22.2                | 40.51                      | 54                     | -13.49      | -                   | -              | 318            | 204         | H        |
| 4      | * 2.38          | 31.72                | RMS | 31.8           | -22.2                | 41.32                      | 54                     | -12.68      | -                   | -              | 318            | 204         | 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/Cb/Ftr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 4      | * 2.381         | 31.14                | RMS | 31.8           | -22.2                | 40.74                      | 54                     | -13.26      | -                   | -              | 283            | 392         | V        |
| 2      | * 2.389         | 42.46                | Pk  | 31.9           | -22.2                | 52.16                      | -                      | -           | 74                  | -21.84         | 283            | 392         | V        |
| 1      | * 2.39          | 40.3                 | Pk  | 31.9           | -22.2                | 50                         | -                      | -           | 74                  | -24            | 283            | 392         | V        |
| 3      | * 2.39          | 29.57                | RMS | 31.9           | -22.2                | 39.27                      | 54                     | -14.73      | -                   | -              | 283            | 392         | V        |

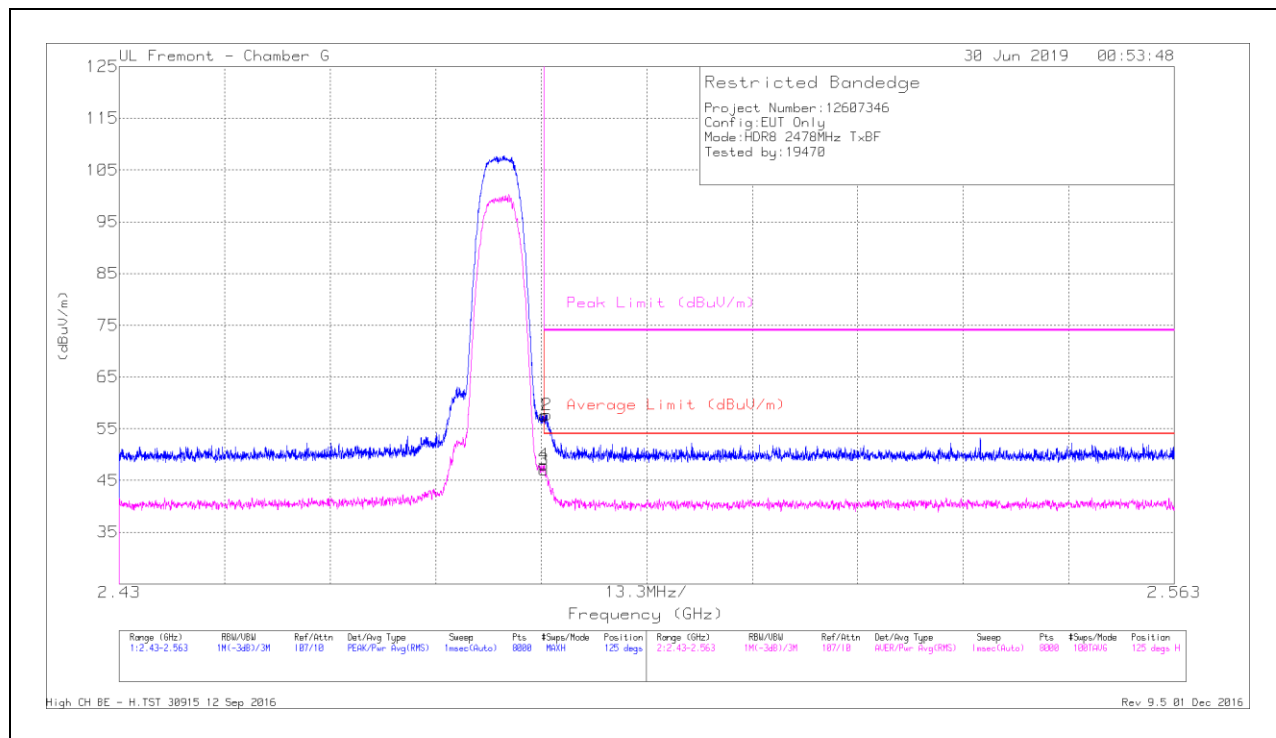
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

# BANDEDGE (HIGH CHANNEL)

## HORIZONTAL RESULT



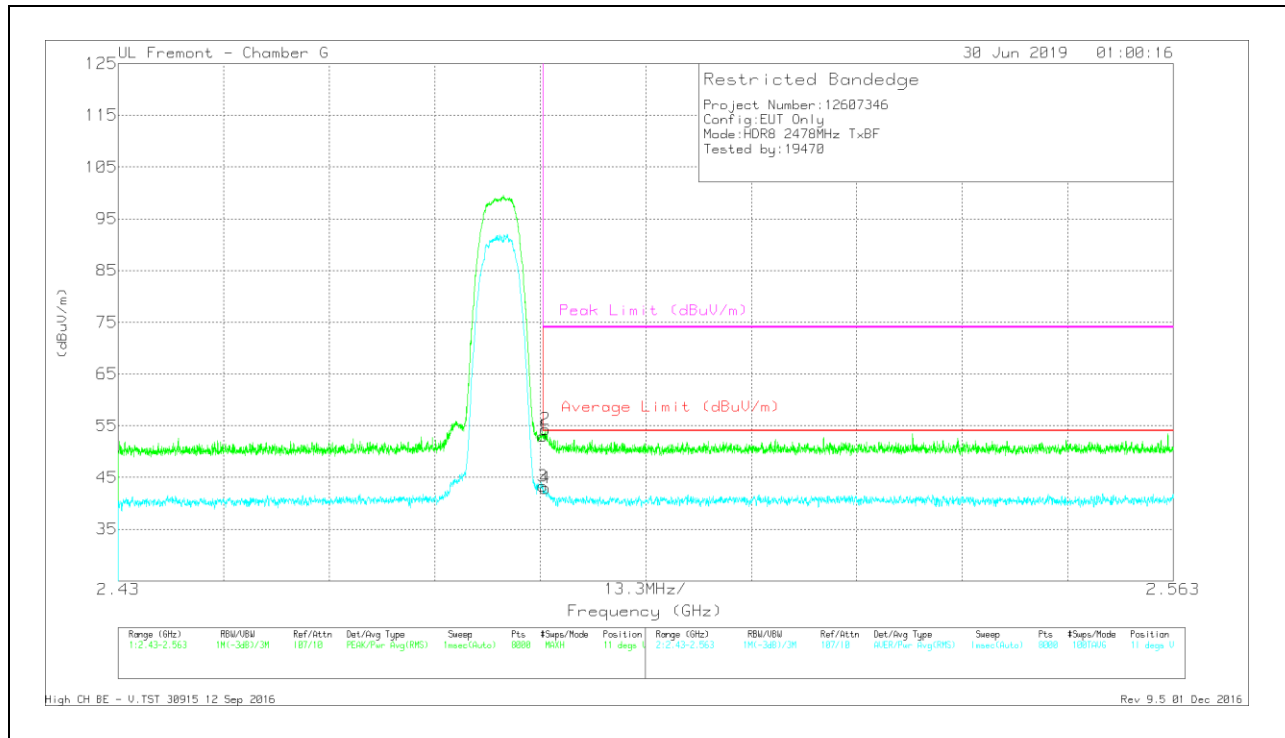
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cbl/Fitr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 47.23                | Pk  | 32.4           | -22.1                  | 57.53                      | -                      | -           | 74                  | -16.47         | 125            | 168         | H        |
| 2      | * 2.484         | 47.37                | Pk  | 32.4           | -22.1                  | 57.67                      | -                      | -           | 74                  | -16.33         | 125            | 168         | H        |
| 3      | * 2.484         | 36.74                | RMS | 32.4           | -22.1                  | 47.04                      | 54                     | -6.96       | -                   | -              | 125            | 168         | H        |
| 4      | * 2.484         | 37.71                | RMS | 32.4           | -22.1                  | 48.01                      | 54                     | -5.99       | -                   | -              | 125            | 168         | 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/Cb/Ftr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 42.67                | Pk  | 32.4           | -22.1                | 52.97                      | -                      | -           | 74                  | -21.03         | 11             | 393         | V        |
| 2      | * 2.484         | 44.01                | Pk  | 32.4           | -22.1                | 54.31                      | -                      | -           | 74                  | -19.69         | 11             | 393         | V        |
| 3      | * 2.484         | 33.02                | RMS | 32.4           | -22.1                | 43.32                      | 54                     | -10.68      | -                   | -              | 11             | 393         | V        |
| 4      | * 2.484         | 32.63                | RMS | 32.4           | -22.1                | 42.93                      | 54                     | -11.07      | -                   | -              | 11             | 393         | V        |

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

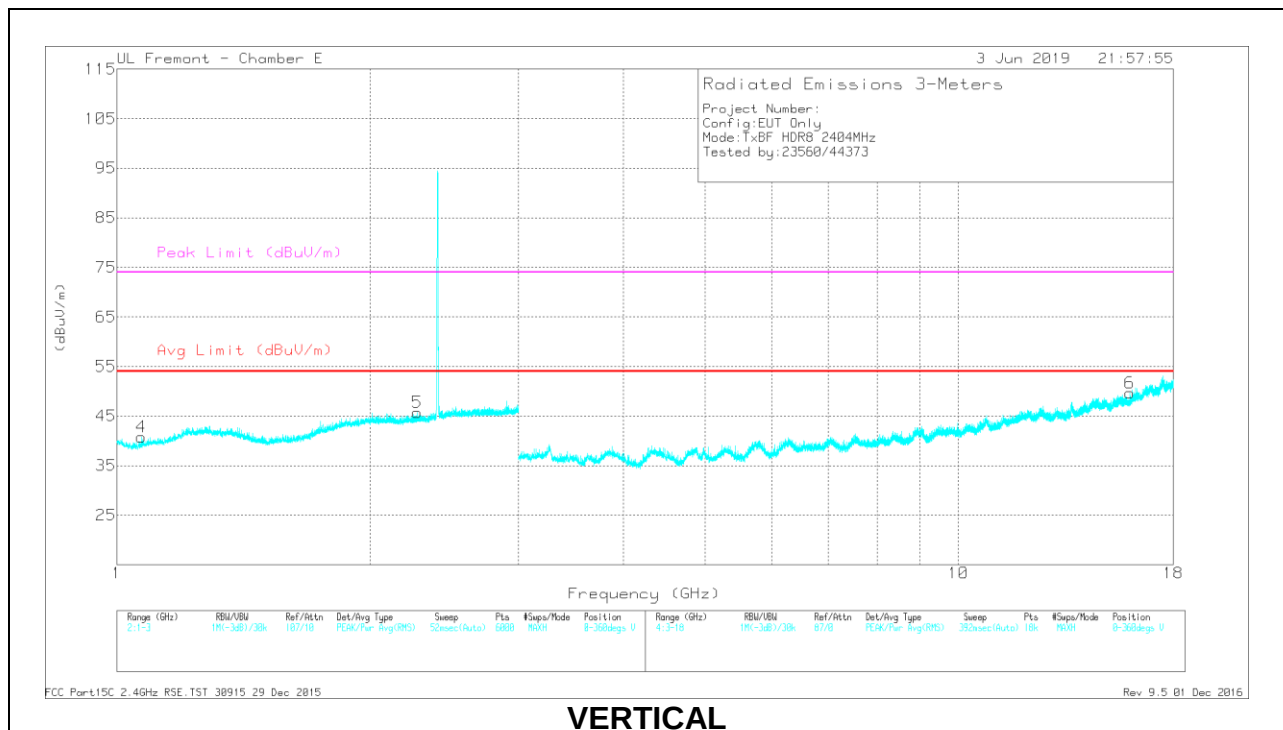
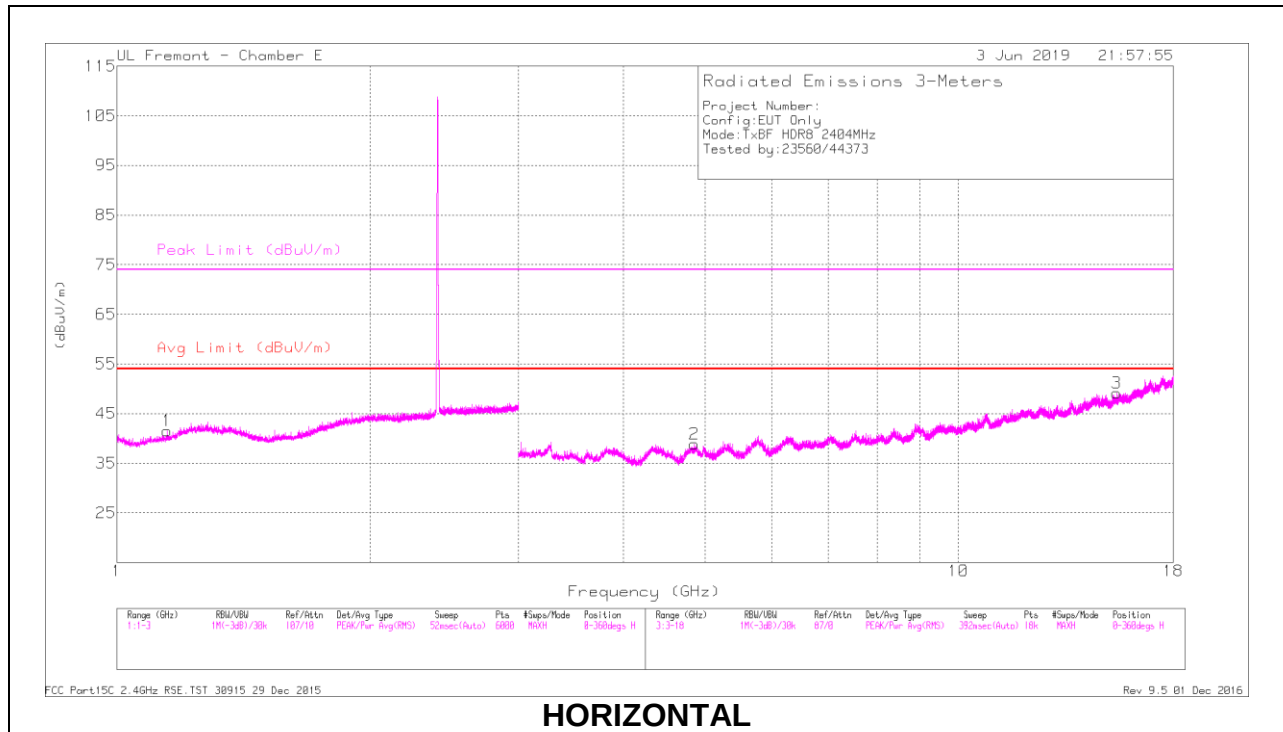
Pk - Peak detector

RMS - RMS detection



## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



## RADIATED EMISSIONS

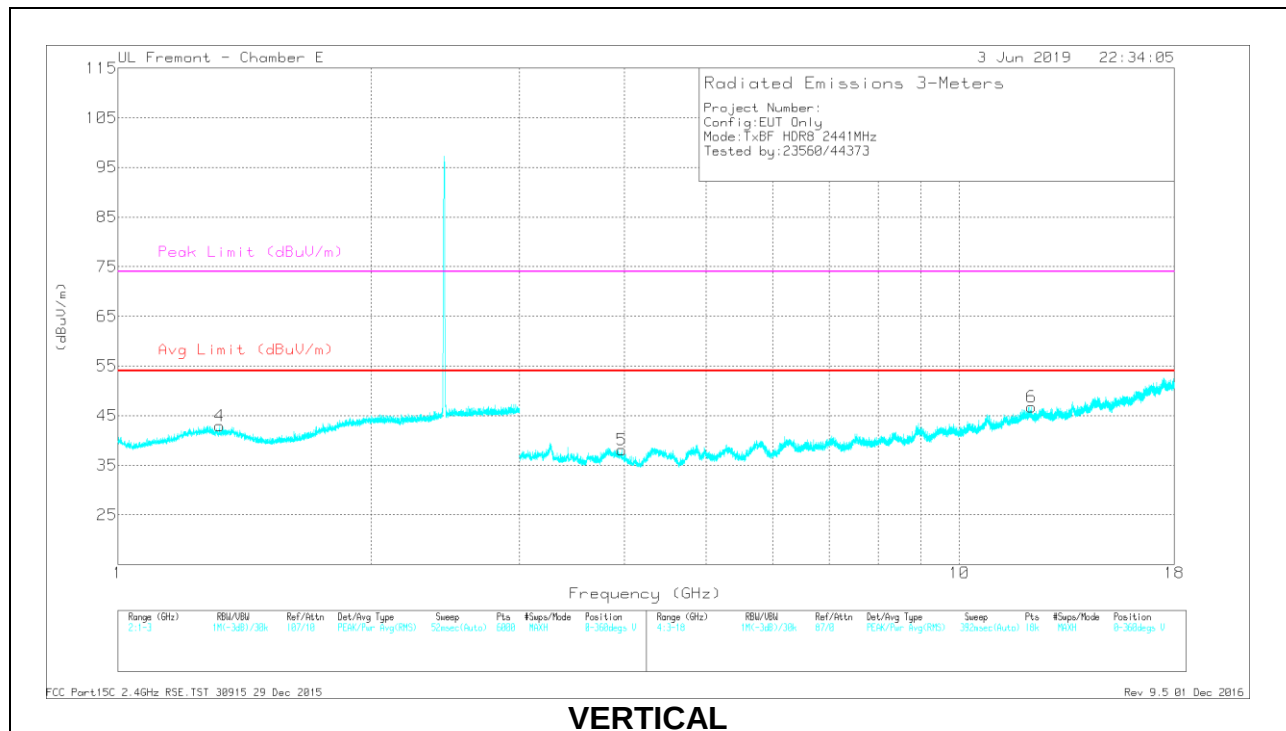
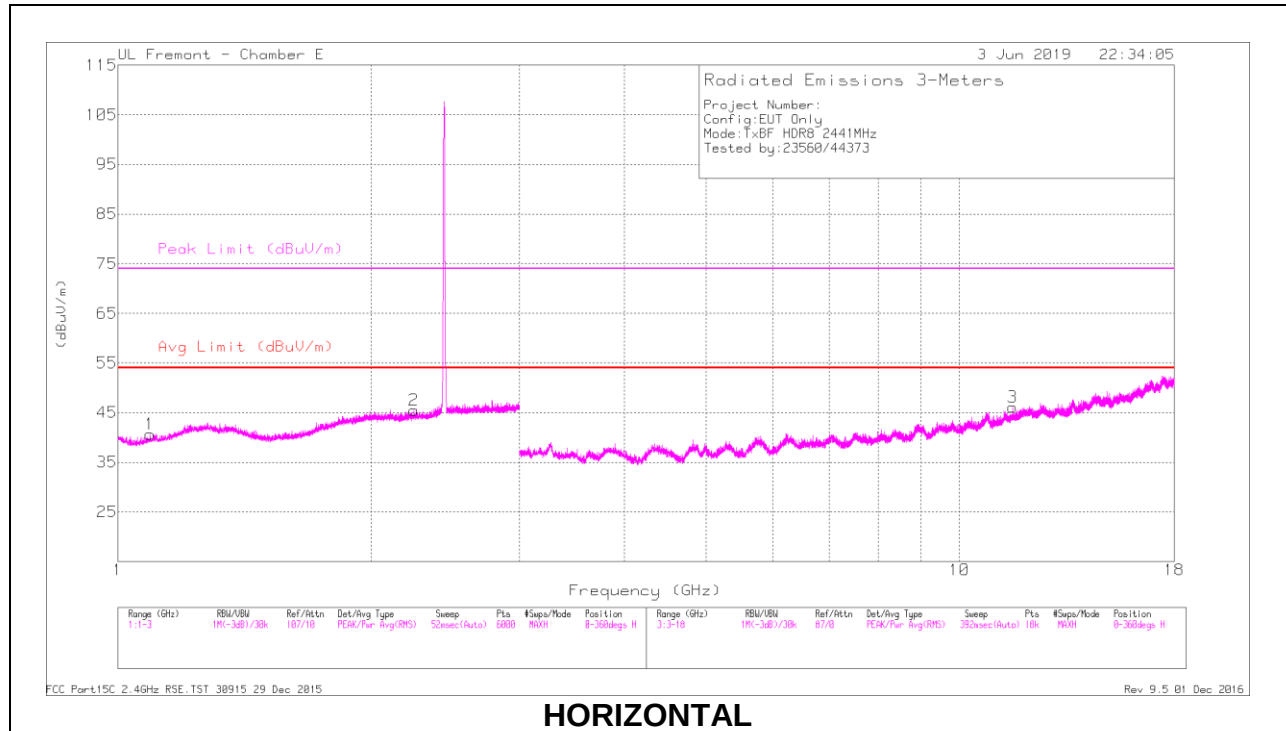
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.15          | 45.79                | PK2  | 28.2           | -26                    | 47.99                      | -                  | -           | 74                  | -26.01         | 353            | 212         | H        |
|        | * 1.147         | 34.07                | MAv1 | 28.2           | -26                    | 36.27                      | 54                 | -17.73      | -                   | -              | 353            | 212         | H        |
| 4      | * 1.07          | 45.59                | PK2  | 27.3           | -25.9                  | 46.99                      | -                  | -           | 74                  | -27.01         | 126            | 244         | V        |
|        | * 1.068         | 33.86                | MAv1 | 27.3           | -25.9                  | 35.26                      | 54                 | -18.74      | -                   | -              | 126            | 244         | V        |
| 5      | * 2.276         | 46.37                | PK2  | 32             | -26.2                  | 52.17                      | -                  | -           | 74                  | -21.83         | 6              | 102         | V        |
|        | * 2.277         | 34.7                 | MAv1 | 32             | -26.2                  | 40.5                       | 54                 | -13.5       | -                   | -              | 6              | 102         | V        |
| 2      | * 4.853         | 41.92                | PK2  | 34.1           | -30                    | 46.02                      | -                  | -           | 74                  | -27.98         | 165            | 235         | H        |
|        | * 4.853         | 30.49                | MAv1 | 34.1           | -30                    | 34.59                      | 54                 | -19.41      | -                   | -              | 165            | 235         | H        |
| 3      | * 15.41         | 35.67                | PK2  | 40.2           | -20.2                  | 55.67                      | -                  | -           | 74                  | -18.33         | 161            | 193         | H        |
|        | * 15.409        | 24.25                | MAv1 | 40.2           | -20.2                  | 44.25                      | 54                 | -9.75       | -                   | -              | 161            | 193         | H        |
| 6      | * 15.971        | 35.1                 | PK2  | 40.1           | -19.7                  | 55.5                       | -                  | -           | 74                  | -18.5          | 355            | 301         | V        |
|        | * 15.974        | 24.11                | MAv1 | 40.2           | -19.6                  | 44.71                      | 54                 | -9.29       | -                   | -              | 355            | 301         | 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

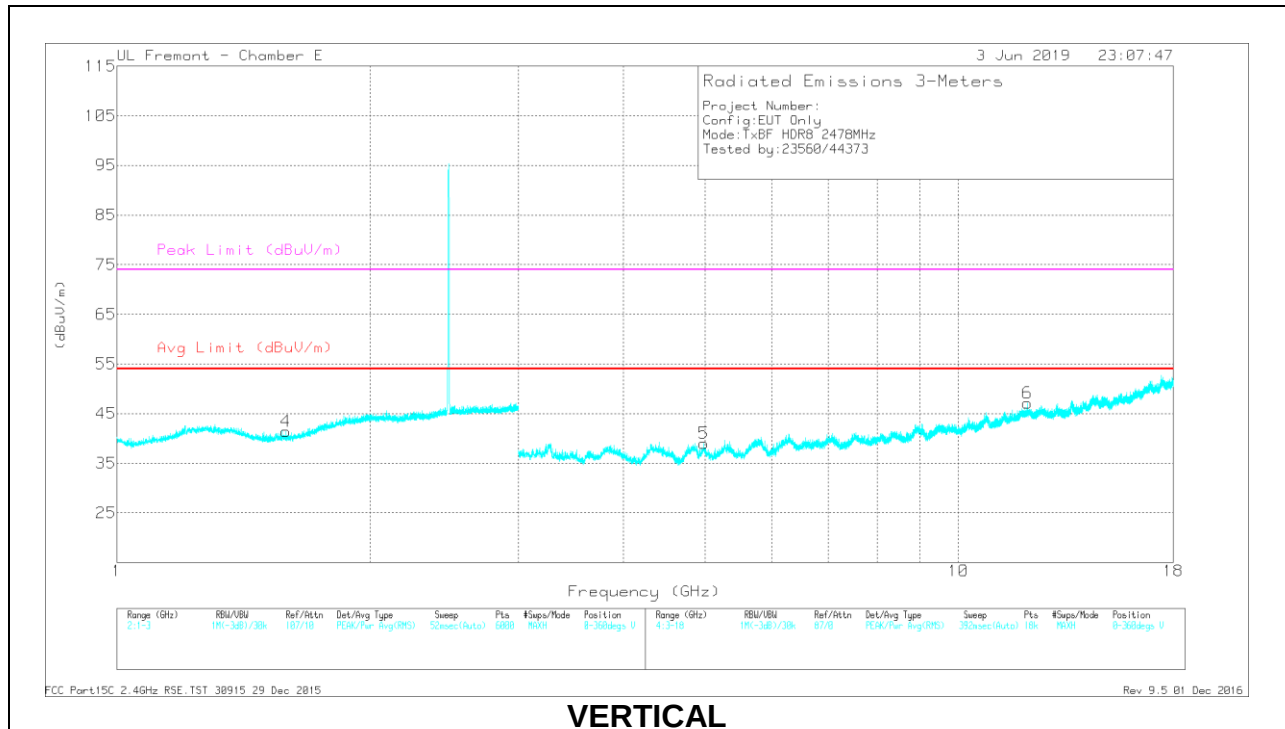
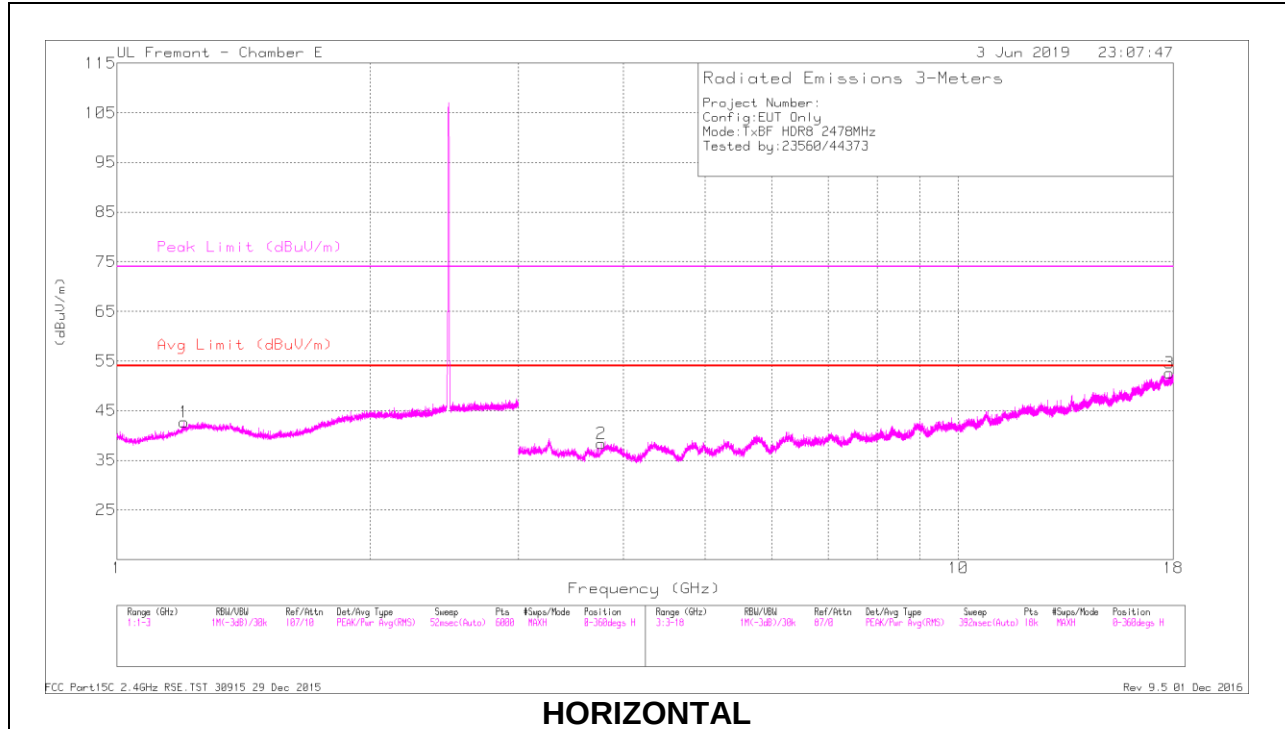
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.094         | 45.81                | PK2  | 27.8           | -25.9                  | 47.71                      | -                  | -           | 74                  | -26.29         | 327            | 188         | H        |
|        | * 1.092         | 33.94                | MAv1 | 27.8           | -25.8                  | 35.94                      | 54                 | -18.06      | -                   | -              | 327            | 188         | H        |
| 2      | * 2.244         | 46.33                | PK2  | 31.9           | -26.3                  | 51.93                      | -                  | -           | 74                  | -22.07         | 41             | 398         | H        |
|        | * 2.245         | 34.77                | MAv1 | 31.9           | -26.2                  | 40.47                      | 54                 | -13.53      | -                   | -              | 41             | 398         | H        |
| 4      | * 1.32          | 45.74                | PK2  | 29.6           | -26.1                  | 49.24                      | -                  | -           | 74                  | -24.76         | 193            | 114         | V        |
|        | * 1.323         | 34.27                | MAv1 | 29.6           | -26.2                  | 37.67                      | 54                 | -16.33      | -                   | -              | 193            | 114         | V        |
| 3      | * 11.577        | 35.97                | PK2  | 38.6           | -22.6                  | 51.97                      | -                  | -           | 74                  | -22.03         | 101            | 253         | H        |
|        | * 11.577        | 24.95                | MAv1 | 38.6           | -22.6                  | 40.95                      | 54                 | -13.05      | -                   | -              | 101            | 253         | H        |
| 5      | * 3.969         | 42.6                 | PK2  | 33.5           | -31.5                  | 44.6                       | -                  | -           | 74                  | -29.4          | 357            | 109         | V        |
|        | * 3.971         | 31.57                | MAv1 | 33.5           | -31.5                  | 33.57                      | 54                 | -20.43      | -                   | -              | 357            | 109         | V        |
| 6      | * 12.183        | 35.31                | PK2  | 39             | -21.8                  | 52.51                      | -                  | -           | 74                  | -21.49         | 8              | 231         | V        |
|        | * 12.185        | 24.54                | MAv1 | 39             | -21.9                  | 41.64                      | 54                 | -12.36      | -                   | -              | 8              | 231         | 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 T119 (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      | * 1.2           | 45.69                | PK2  | 29.6           | -26.1                  | 49.19                      | -                  | -           | 74                  | -24.81         | 352            | 210         | H        |
|        | * 1.199         | 34.1                 | MAv1 | 29.6           | -26.1                  | 37.6                       | 54                 | -16.4       | -                   | -              | 352            | 210         | H        |
| 4      | * 1.586         | 47.25                | PK2  | 28.2           | -26.3                  | 49.15                      | -                  | -           | 74                  | -24.85         | 220            | 111         | V        |
|        | * 1.586         | 34.55                | MAv1 | 28.2           | -26.3                  | 36.45                      | 54                 | -17.55      | -                   | -              | 220            | 111         | V        |
| 2      | * 3.765         | 43.53                | PK2  | 33.2           | -32.5                  | 44.23                      | -                  | -           | 74                  | -29.77         | 29             | 352         | H        |
|        | * 3.765         | 32.19                | MAv1 | 33.2           | -32.5                  | 32.89                      | 54                 | -21.11      | -                   | -              | 29             | 352         | H        |
| 3      | * 17.805        | 35.92                | PK2  | 41.8           | -18.4                  | 59.32                      | -                  | -           | 74                  | -14.68         | 154            | 391         | H        |
|        | * 17.807        | 24.7                 | MAv1 | 41.8           | -18.4                  | 48.1                       | 54                 | -5.9        | -                   | -              | 154            | 391         | H        |
| 5      | * 4.983         | 42.64                | PK2  | 34.1           | -30.3                  | 46.44                      | -                  | -           | 74                  | -27.56         | 91             | 154         | V        |
|        | * 4.982         | 30.56                | MAv1 | 34.1           | -30.3                  | 34.36                      | 54                 | -19.64      | -                   | -              | 91             | 154         | V        |
| 6      | * 12.067        | 35.31                | PK2  | 39             | -21.8                  | 52.51                      | -                  | -           | 74                  | -21.49         | 213            | 328         | V        |
|        | * 12.067        | 24.65                | MAv1 | 39             | -21.7                  | 41.95                      | 54                 | -12.05      | -                   | -              | 213            | 328         | V        |

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

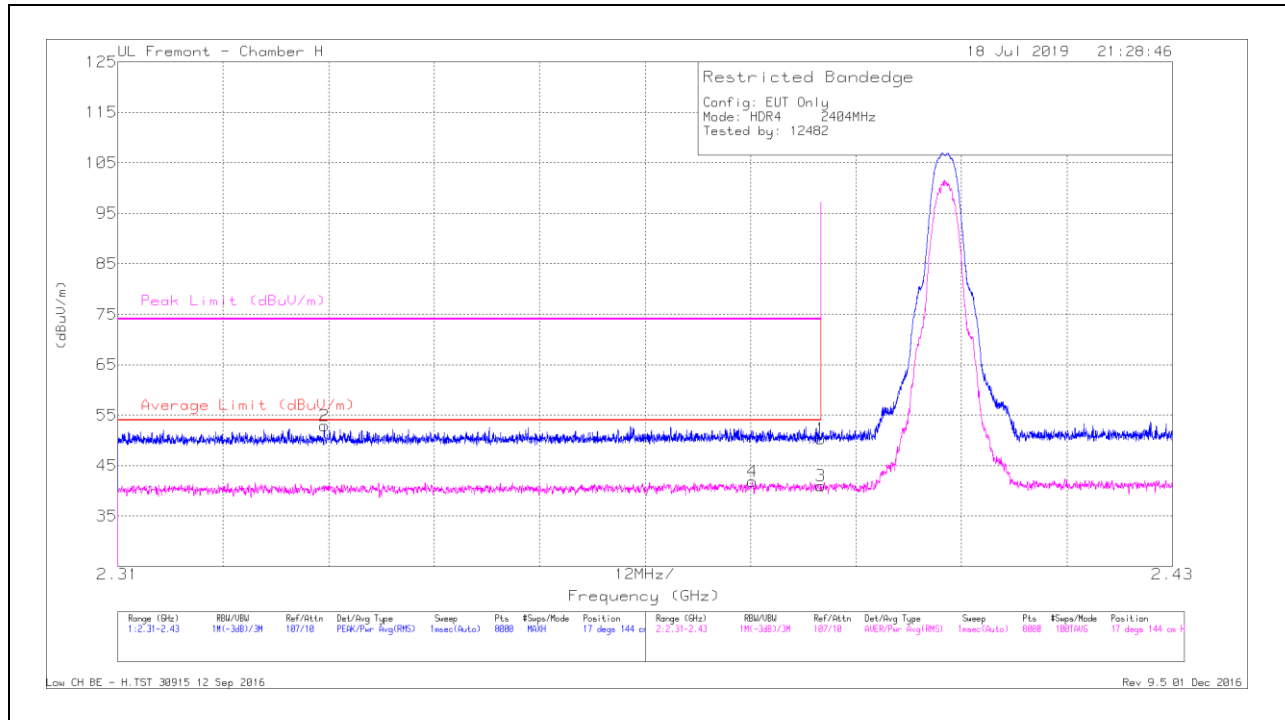
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

## 9.2.7. BEAMFORMING LOW POWER HDR (HDR4)

### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT



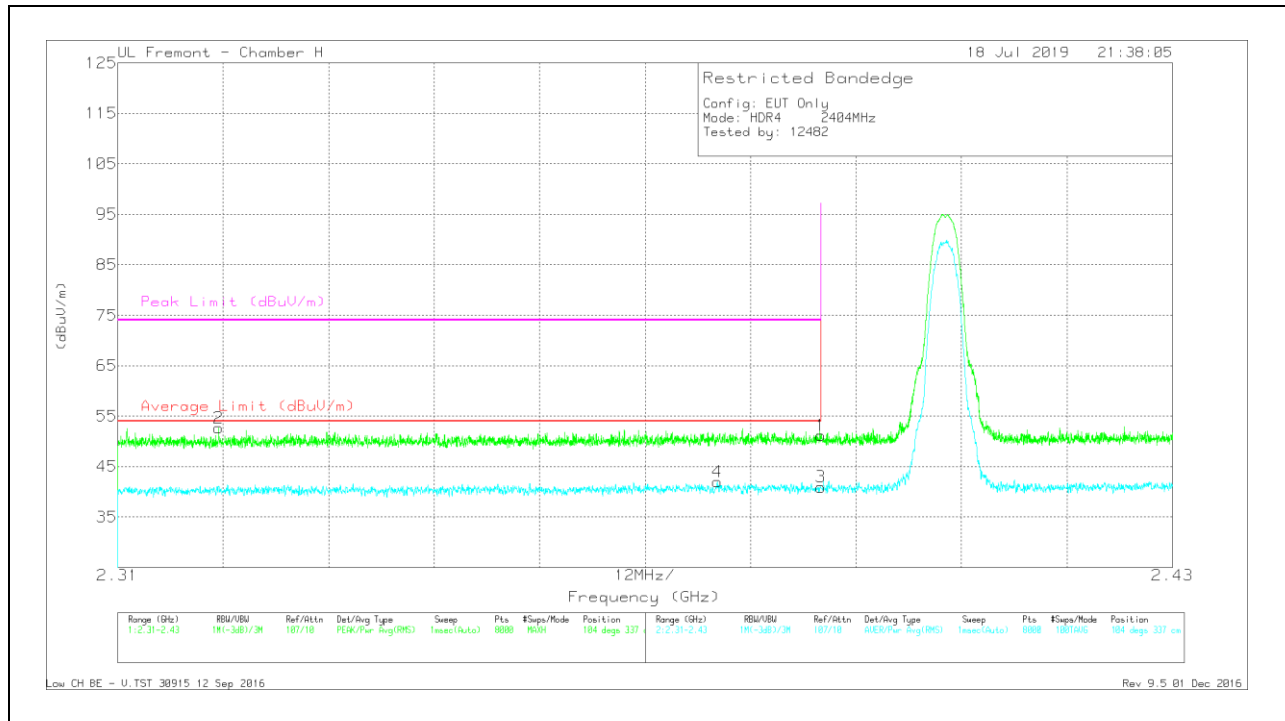
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T863 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 41.73                | Pk  | 32.1           | -23.5                  | 50.33                      | -                      | -           | 74                  | -23.67         | 17             | 144         | H        |
| 2      | * 2.334         | 44.61                | Pk  | 31.9           | -23.6                  | 52.91                      | -                      | -           | 74                  | -21.09         | 17             | 144         | H        |
| 3      | * 2.39          | 32.33                | RMS | 32.1           | -23.5                  | 40.93                      | 54                     | -13.07      | -                   | -              | 17             | 144         | H        |
| 4      | * 2.382         | 33.18                | RMS | 32.2           | -23.5                  | 41.88                      | 54                     | -12.12      | -                   | -              | 17             | 144         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



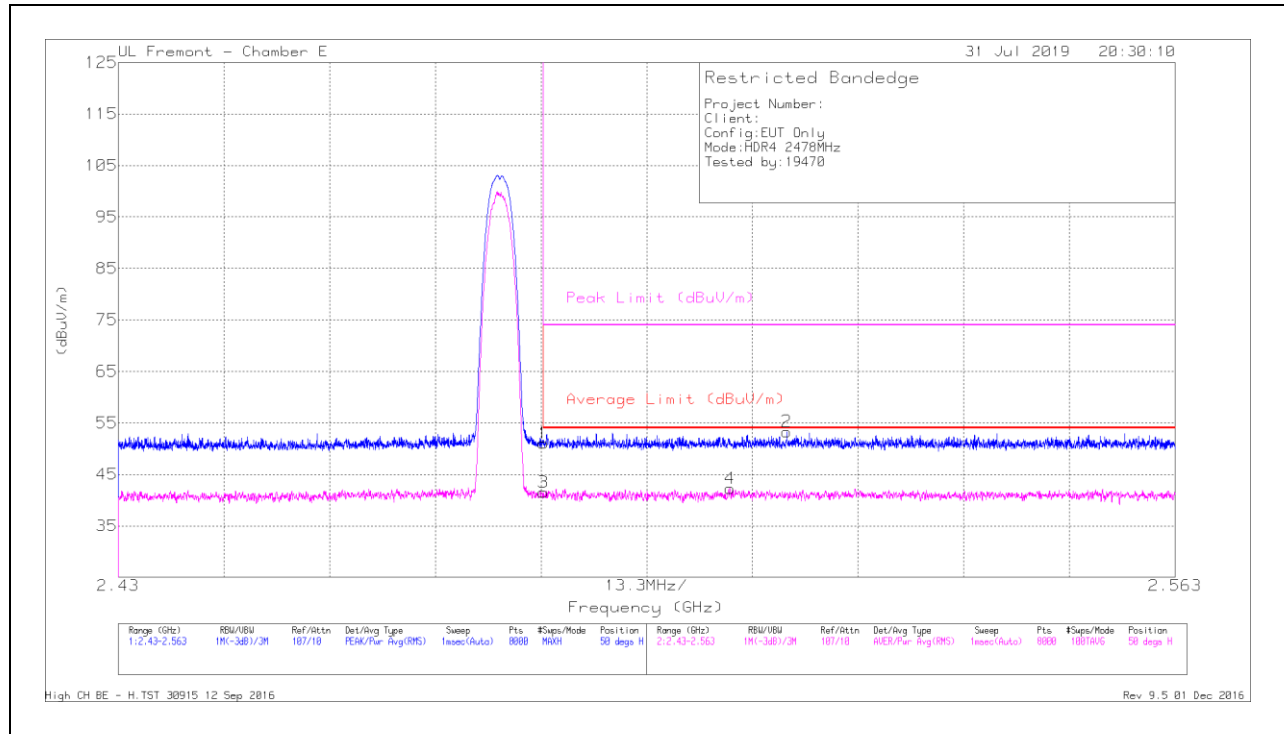
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T863 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 42.54                | Pk  | 32.1           | -23.5                  | 51.14                      | -                      | -           | 74                  | -22.86         | 104            | 337         | V        |
| 2      | * 2.321         | 44.51                | Pk  | 31.8           | -23.7                  | 52.61                      | -                      | -           | 74                  | -21.39         | 104            | 337         | V        |
| 3      | * 2.39          | 32.32                | RMS | 32.1           | -23.5                  | 40.92                      | 54                     | -13.08      | -                   | -              | 104            | 337         | V        |
| 4      | * 2.378         | 33.24                | RMS | 32.2           | -23.5                  | 41.94                      | 54                     | -12.06      | -                   | -              | 104            | 337         | V        |

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

Pk - Peak detector

RMS - RMS detection



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

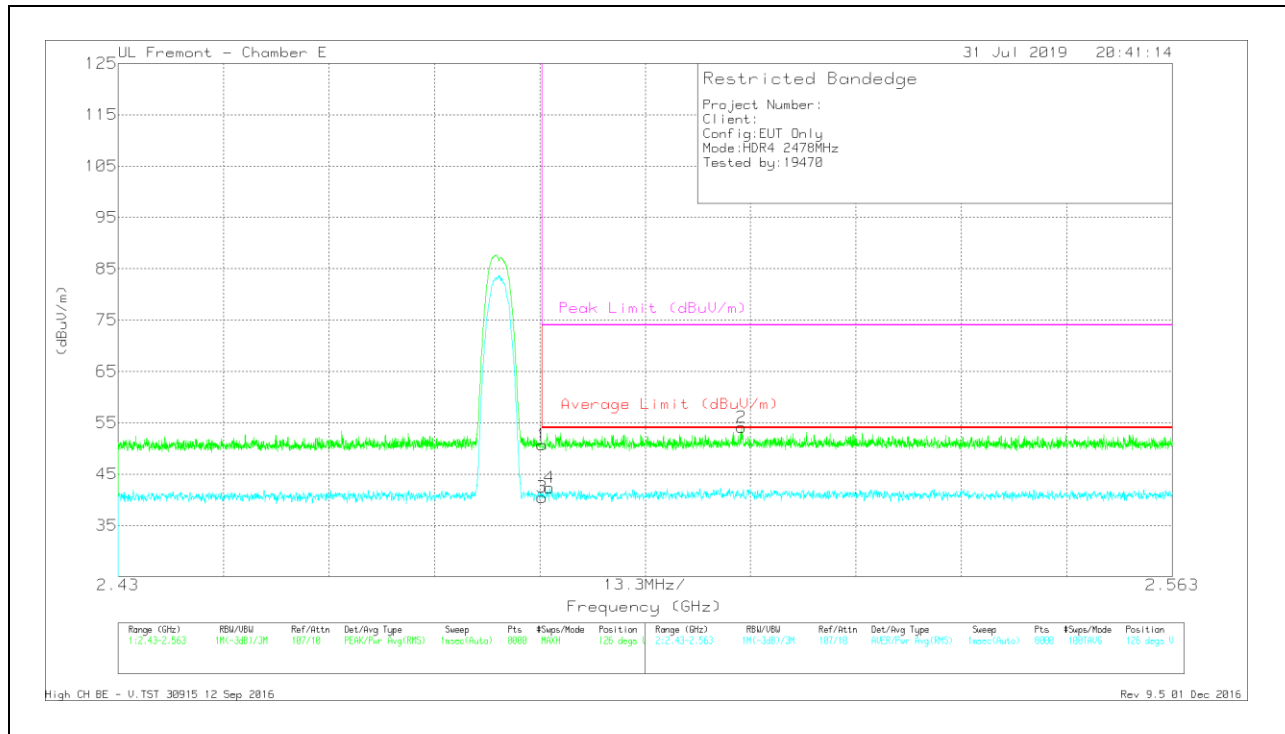
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filt/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 44.53                | Pk  | 32.8           | -26.3                 | 51.03                      | -                      | -           | 74                  | -22.97         | 50             | 124         | H        |
| 3      | * 2.484         | 35.01                | RMS | 32.8           | -26.3                 | 41.51                      | 54                     | -12.49      | -                   | -              | 50             | 124         | H        |
| 4      | 2.507           | 35.54                | RMS | 32.9           | -26.2                 | 42.24                      | 54                     | -11.76      | -                   | -              | 50             | 124         | H        |
| 2      | 2.514           | 46.58                | Pk  | 32.9           | -26.2                 | 53.28                      | -                      | -           | 74                  | -20.72         | 50             | 124         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Ftr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 44.21                | Pk  | 32.8           | -26.3                | 50.71                      | -                      | -           | 74                  | -23.29         | 126            | 113         | V        |
| 3      | * 2.484         | 33.99                | RMS | 32.8           | -26.3                | 40.49                      | 54                     | -13.51      | -                   | -              | 126            | 113         | V        |
| 4      | * 2.484         | 35.85                | RMS | 32.8           | -26.3                | 42.35                      | 54                     | -11.65      | -                   | -              | 126            | 113         | V        |
| 2      | 2.509           | 47.38                | Pk  | 32.9           | -26.2                | 54.08                      | -                      | -           | 74                  | -19.92         | 126            | 113         | V        |

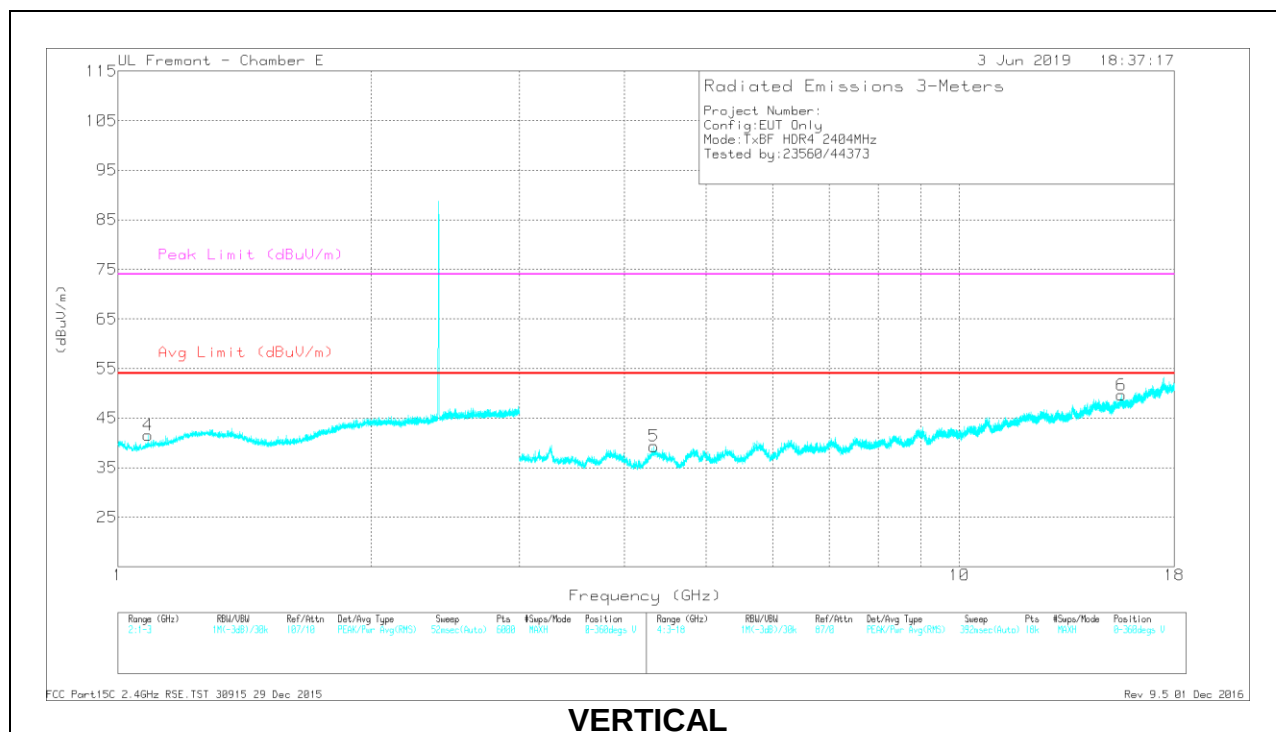
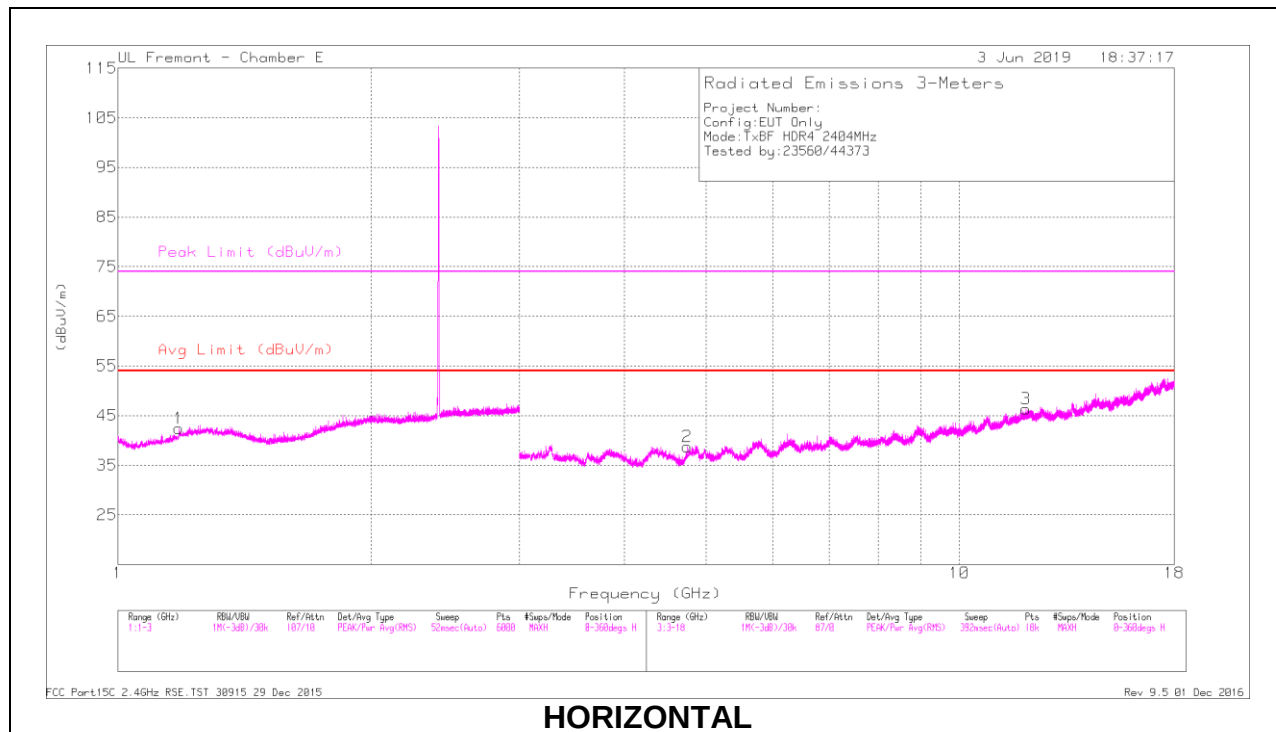
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



## RADIATED EMISSIONS

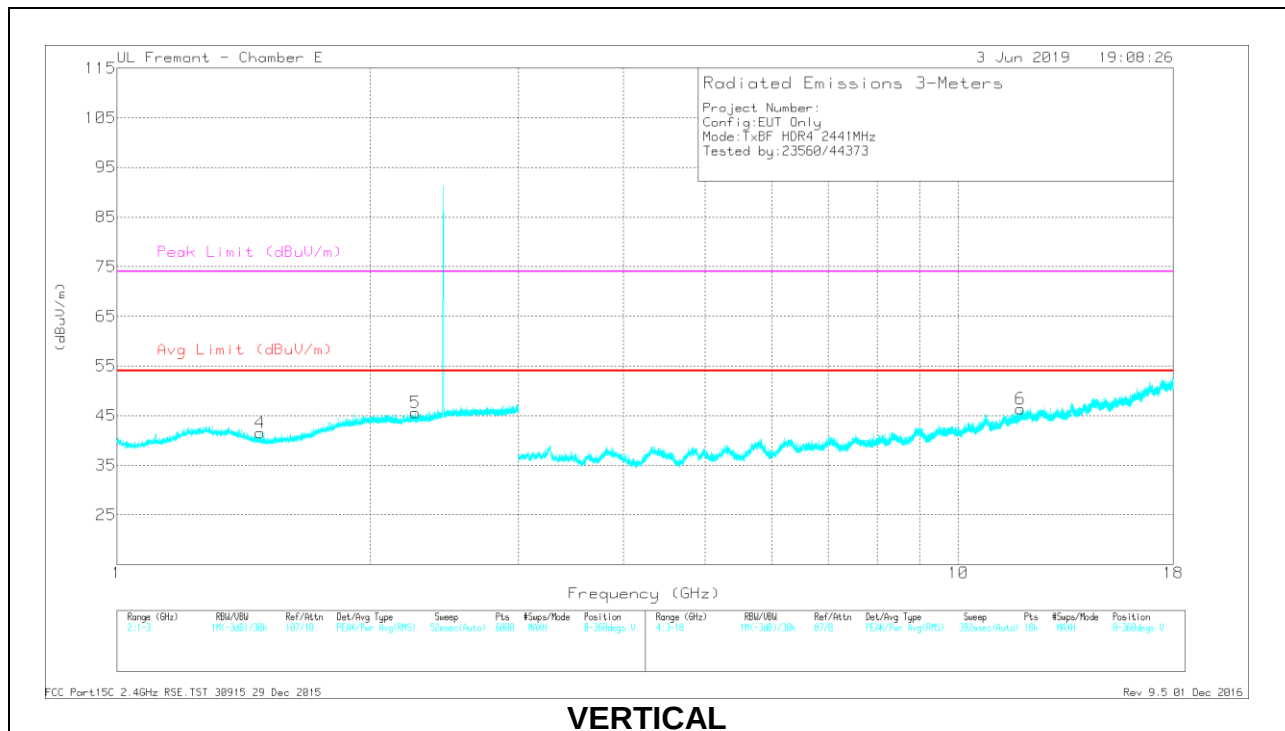
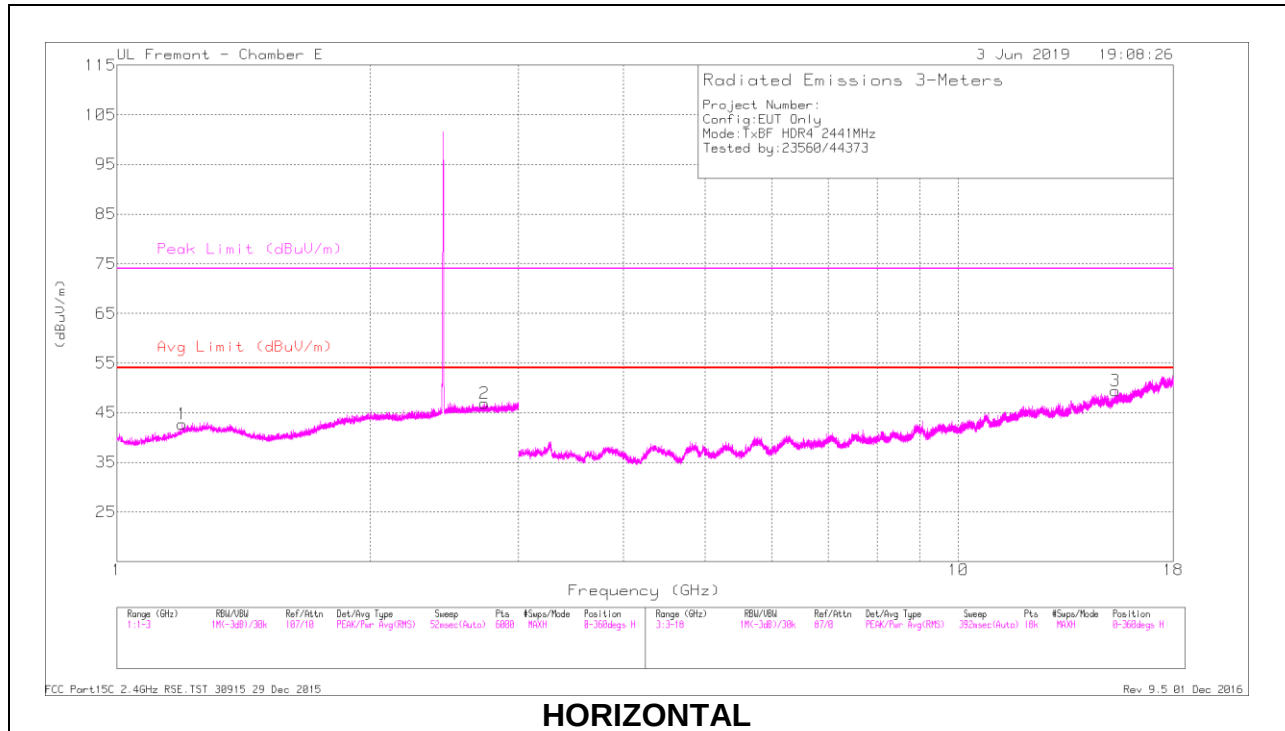
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.182         | 45.92                | PK2  | 29             | -26.1                  | 48.82                      | -                  | -           | 74                  | -25.18         | 349            | 284         | H        |
|        | * 1.179         | 34.09                | MAv1 | 28.9           | -26                    | 36.99                      | 54                 | -17.01      | -                   | -              | 349            | 284         | H        |
| 4      | * 1.085         | 45.76                | PK2  | 27.6           | -25.9                  | 47.46                      | -                  | -           | 74                  | -26.54         | 273            | 149         | V        |
|        | * 1.084         | 34.03                | MAv1 | 27.6           | -25.9                  | 35.73                      | 54                 | -18.27      | -                   | -              | 273            | 149         | V        |
| 2      | * 4.749         | 42.31                | PK2  | 33.9           | -31.5                  | 44.71                      | -                  | -           | 74                  | -29.29         | 22             | 178         | H        |
|        | * 4.747         | 31.03                | MAv1 | 33.9           | -31.6                  | 33.33                      | 54                 | -20.67      | -                   | -              | 22             | 178         | H        |
| 3      | * 11.998        | 35.63                | PK2  | 39             | -22                    | 52.63                      | -                  | -           | 74                  | -21.37         | 204            | 315         | H        |
|        | * 11.998        | 24.56                | MAv1 | 39             | -22                    | 41.56                      | 54                 | -12.44      | -                   | -              | 204            | 315         | H        |
| 5      | * 4.335         | 42.21                | PK2  | 33.6           | -29.9                  | 45.91                      | -                  | -           | 74                  | -28.09         | 301            | 101         | V        |
|        | * 4.332         | 30.62                | MAv1 | 33.6           | -29.9                  | 34.32                      | 54                 | -19.68      | -                   | -              | 301            | 101         | V        |
| 6      | * 15.585        | 35.66                | PK2  | 40.3           | -20.1                  | 55.86                      | -                  | -           | 74                  | -18.14         | 83             | 252         | V        |
|        | * 15.583        | 24.64                | MAv1 | 40.3           | -20.1                  | 44.84                      | 54                 | -9.16       | -                   | -              | 83             | 252         | 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

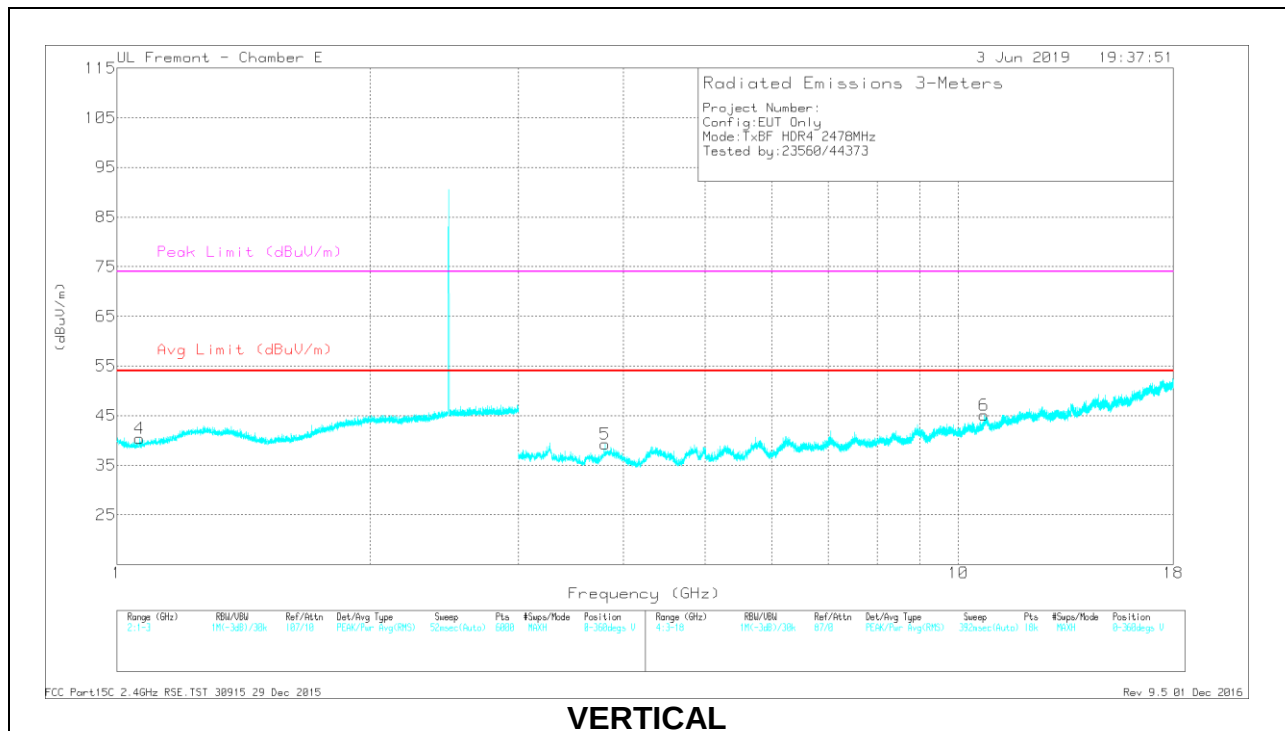
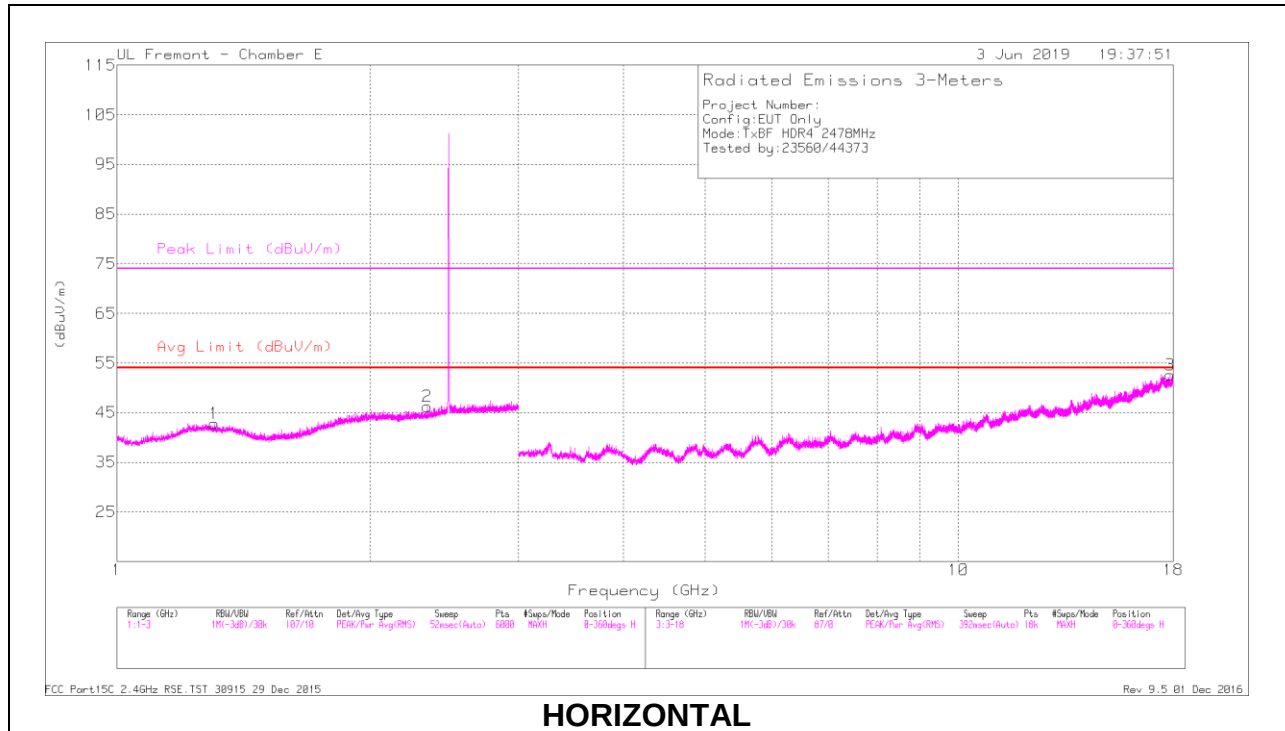
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.198         | 45.74                | PK2  | 29.5           | -26.1                  | 49.14                      | -                  | -           | 74                  | -24.86         | 7              | 226         | H        |
|        | * 1.197         | 34.17                | MAv1 | 29.5           | -26.1                  | 37.57                      | 54                 | -16.43      | -                   | -              | 7              | 226         | H        |
| 2      | * 2.731         | 47.13                | PK2  | 32.9           | -26.2                  | 53.83                      | -                  | -           | 74                  | -20.17         | 109            | 260         | H        |
|        | * 2.73          | 35.13                | MAv1 | 32.9           | -26.2                  | 41.83                      | 54                 | -12.17      | -                   | -              | 109            | 260         | H        |
| 4      | * 1.481         | 45.78                | PK2  | 28.1           | -26.2                  | 47.68                      | -                  | -           | 74                  | -26.32         | 227            | 110         | V        |
|        | * 1.479         | 34.49                | MAv1 | 28             | -26.3                  | 36.19                      | 54                 | -17.81      | -                   | -              | 227            | 110         | V        |
| 5      | * 2.262         | 46.67                | PK2  | 31.9           | -26.3                  | 52.27                      | -                  | -           | 74                  | -21.73         | 10             | 310         | V        |
|        | * 2.262         | 34.78                | MAv1 | 31.9           | -26.3                  | 40.38                      | 54                 | -13.62      | -                   | -              | 10             | 310         | V        |
| 3      | * 15.371        | 35.93                | PK2  | 40.1           | -20.2                  | 55.83                      | -                  | -           | 74                  | -18.17         | 338            | 245         | H        |
|        | * 15.373        | 24.33                | MAv1 | 40.1           | -20.2                  | 44.23                      | 54                 | -9.77       | -                   | -              | 338            | 245         | H        |
| 6      | * 11.848        | 35.69                | PK2  | 38.9           | -22.4                  | 52.19                      | -                  | -           | 74                  | -21.81         | 235            | 216         | V        |
|        | * 11.849        | 24.71                | MAv1 | 38.9           | -22.4                  | 41.21                      | 54                 | -12.79      | -                   | -              | 235            | 216         | 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 T119 (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      | * 1.306         | 46.37                | PK2  | 29.8           | -26.2                  | 49.97                      | -                  | -           | 74                  | -24.03         | 331            | 161         | H        |
|        | * 1.305         | 34.32                | MAv1 | 29.7           | -26.2                  | 37.82                      | 54                 | -16.18      | -                   | -              | 331            | 161         | H        |
| 2      | * 2.34          | 46.47                | PK2  | 31.9           | -26.2                  | 52.17                      | -                  | -           | 74                  | -21.83         | 317            | 332         | H        |
|        | * 2.341         | 34.8                 | MAv1 | 31.9           | -26.2                  | 40.5                       | 54                 | -13.5       | -                   | -              | 317            | 332         | H        |
| 4      | * 1.065         | 45.48                | PK2  | 27.3           | -25.7                  | 47.08                      | -                  | -           | 74                  | -26.92         | 287            | 127         | V        |
|        | * 1.063         | 33.99                | MAv1 | 27.2           | -25.7                  | 35.49                      | 54                 | -18.51      | -                   | -              | 287            | 127         | V        |
| 3      | * 17.847        | 35.28                | PK2  | 41.8           | -18.4                  | 58.68                      | -                  | -           | 74                  | -15.32         | 4              | 219         | H        |
|        | * 17.847        | 24.55                | MAv1 | 41.8           | -18.4                  | 47.95                      | 54                 | -6.05       | -                   | -              | 4              | 219         | H        |
| 5      | * 3.802         | 43.65                | PK2  | 33.4           | -31.7                  | 45.35                      | -                  | -           | 74                  | -28.65         | 155            | 107         | V        |
|        | * 3.805         | 32.39                | MAv1 | 33.3           | -31.5                  | 34.19                      | 54                 | -19.81      | -                   | -              | 155            | 107         | V        |
| 6      | * 10.727        | 37.6                 | PK2  | 37.9           | -24                    | 51.5                       | -                  | -           | 74                  | -22.5          | 181            | 394         | V        |
|        | * 10.729        | 26.13                | MAv1 | 37.9           | -24                    | 40.03                      | 54                 | -13.97      | -                   | -              | 181            | 394         | V        |

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average