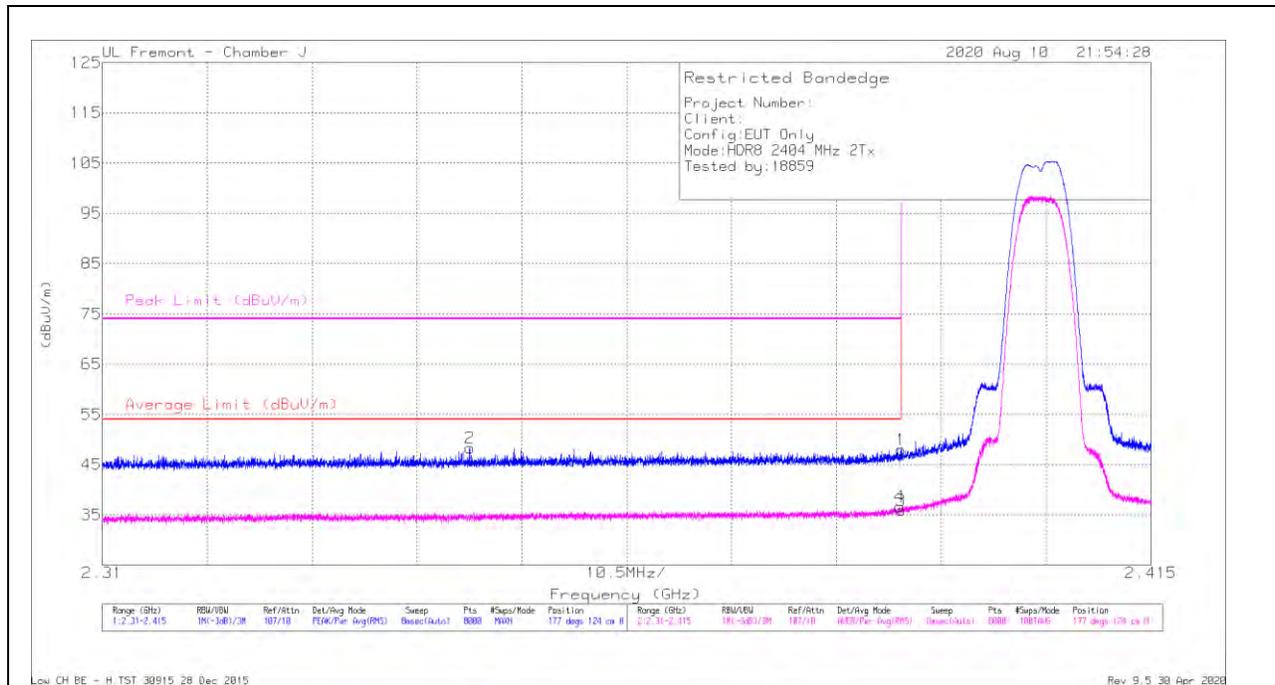


**10.2.4. HIGH POWER HDR TXBF (HDR8)**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**



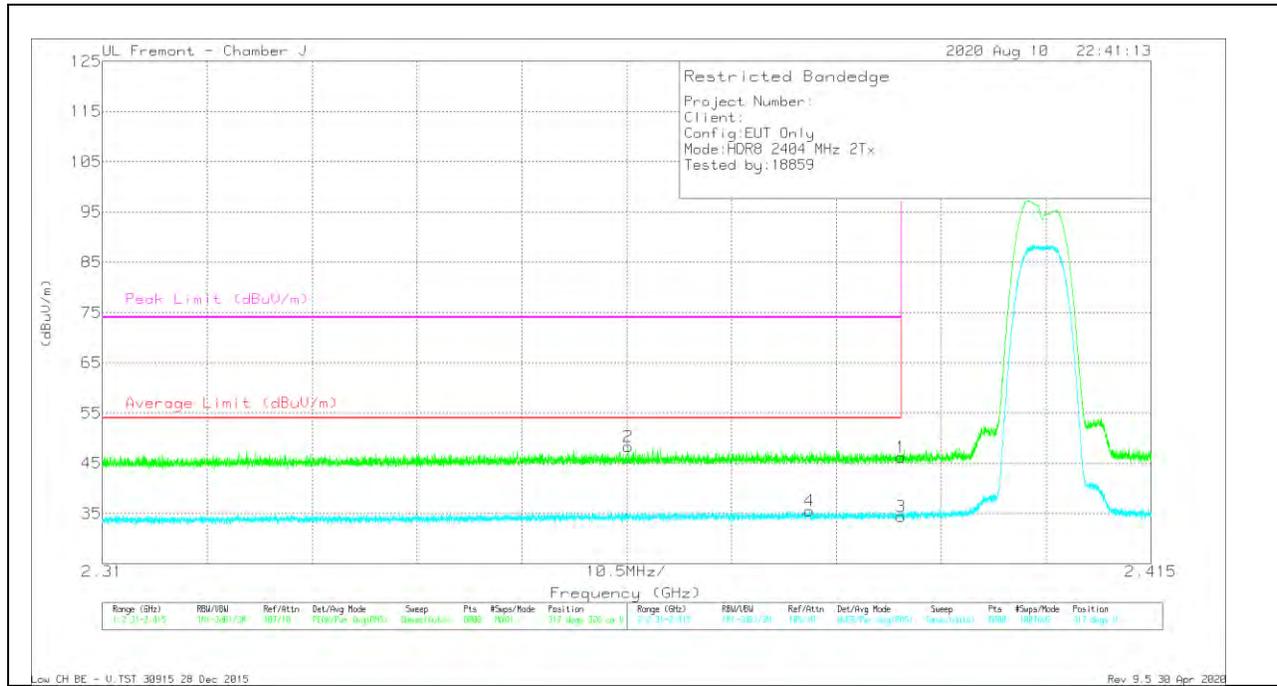
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T963 (dB/m) | Amp/Cb/Filt/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 33.62                | Pk  | 29             | -14.7                 | 47.92                      | -                      | -           | 74                  | -26.08         | 177            | 124         | H        |
| 2      | * 2.34678       | 34.34                | Pk  | 28.9           | -14.9                 | 48.34                      | -                      | -           | 74                  | -25.66         | 177            | 124         | H        |
| 3      | * 2.39          | 21.61                | RMS | 29             | -14.7                 | 35.91                      | 54                     | -18.09      | -                   | -              | 177            | 124         | H        |
| 4      | * 2.38984       | 22.29                | RMS | 29             | -14.7                 | 36.59                      | 54                     | -17.41      | -                   | -              | 177            | 124         | H        |

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT

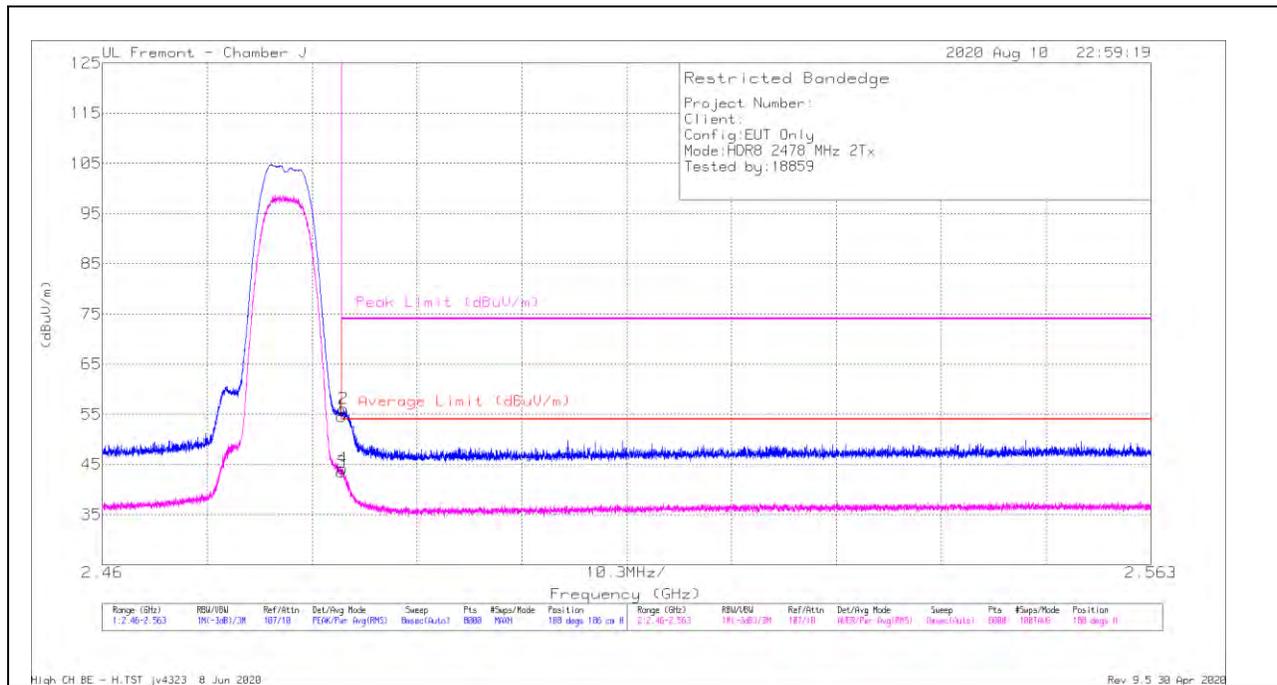


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T963 (dB/m) | Amp/Cb/Ftr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 31.91                | Pk  | 29             | -14.7                | 46.21                      | -                      | -           | 74                  | -27.79         | 317            | 326         | V        |
| 2      | * 2.36265       | 34.07                | Pk  | 29             | -14.8                | 48.27                      | -                      | -           | 74                  | -25.73         | 317            | 326         | V        |
| 3      | * 2.39          | 20.09                | RMS | 29             | -14.7                | 34.39                      | 54                     | -19.61      | -                   | -              | 317            | 326         | V        |
| 4      | * 2.38082       | 21.19                | RMS | 29             | -14.7                | 35.49                      | 54                     | -18.51      | -                   | -              | 317            | 326         | V        |

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

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



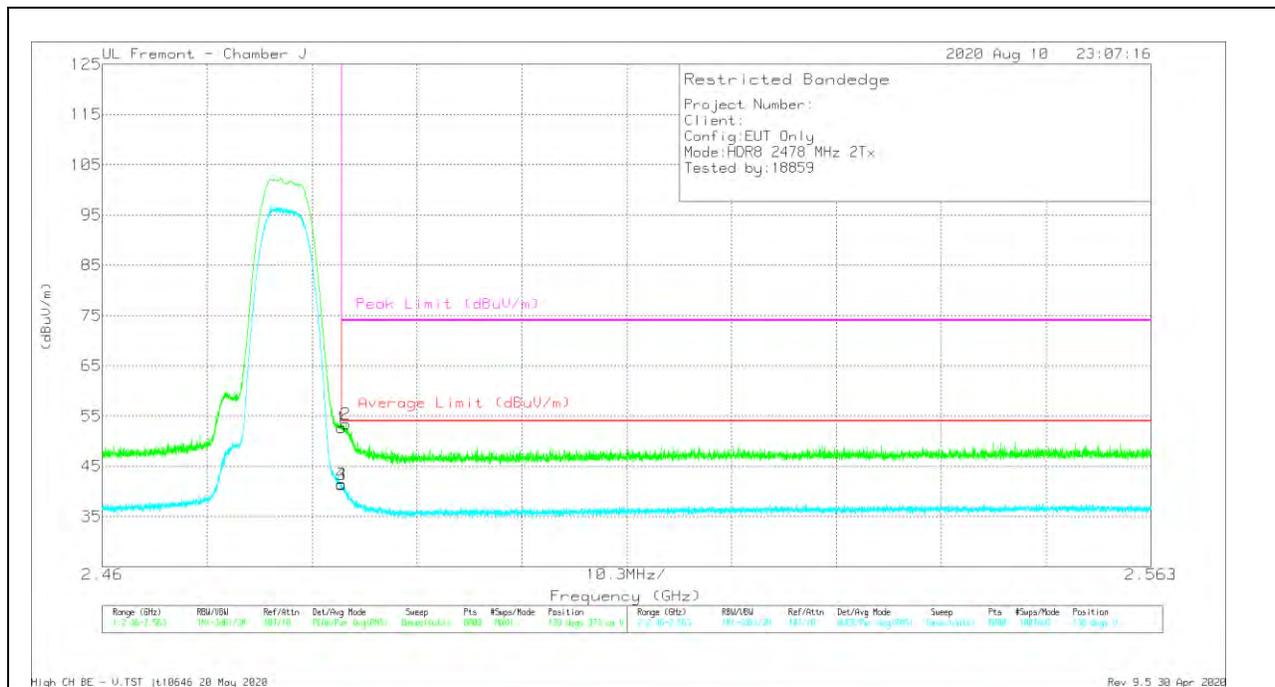
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Dot | AF T963 (dB/m) | Amp/Cb/Filt/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.4835        | 39.66                | Pk  | 29.5           | -14.6                 | 54.56                      | -                      | -           | 74                  | -19.44         | 188            | 186         | H        |
| 2      | * 2.48368       | 41.22                | Pk  | 29.5           | -14.6                 | 56.12                      | -                      | -           | 74                  | -17.88         | 188            | 186         | H        |
| 3      | * 2.4835        | 28.59                | RMS | 29.5           | -14.6                 | 43.49                      | 54                     | -10.51      | -                   | -              | 188            | 186         | H        |
| 4      | * 2.48364       | 29.27                | RMS | 29.5           | -14.6                 | 44.17                      | 54                     | -9.83       | -                   | -              | 188            | 186         | 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 T963 (dB/m) | Amp/Cb/Filtr/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      | * 2.4835        | 37.79                | Pk  | 29.5           | -14.6                  | 52.69                      | -                      | -           | 74                  | -21.31         | 138            | 373         | V        |
| 2      | * 2.48393       | 38.55                | Pk  | 29.5           | -14.6                  | 53.45                      | -                      | -           | 74                  | -20.55         | 138            | 373         | V        |
| 3      | * 2.4835        | 26.49                | RMS | 29.5           | -14.6                  | 41.39                      | 54                     | -12.61      | -                   | -              | 138            | 373         | V        |
| 4      | * 2.48351       | 26.55                | RMS | 29.5           | -14.6                  | 41.45                      | 54                     | -12.55      | -                   | -              | 138            | 373         | V        |

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

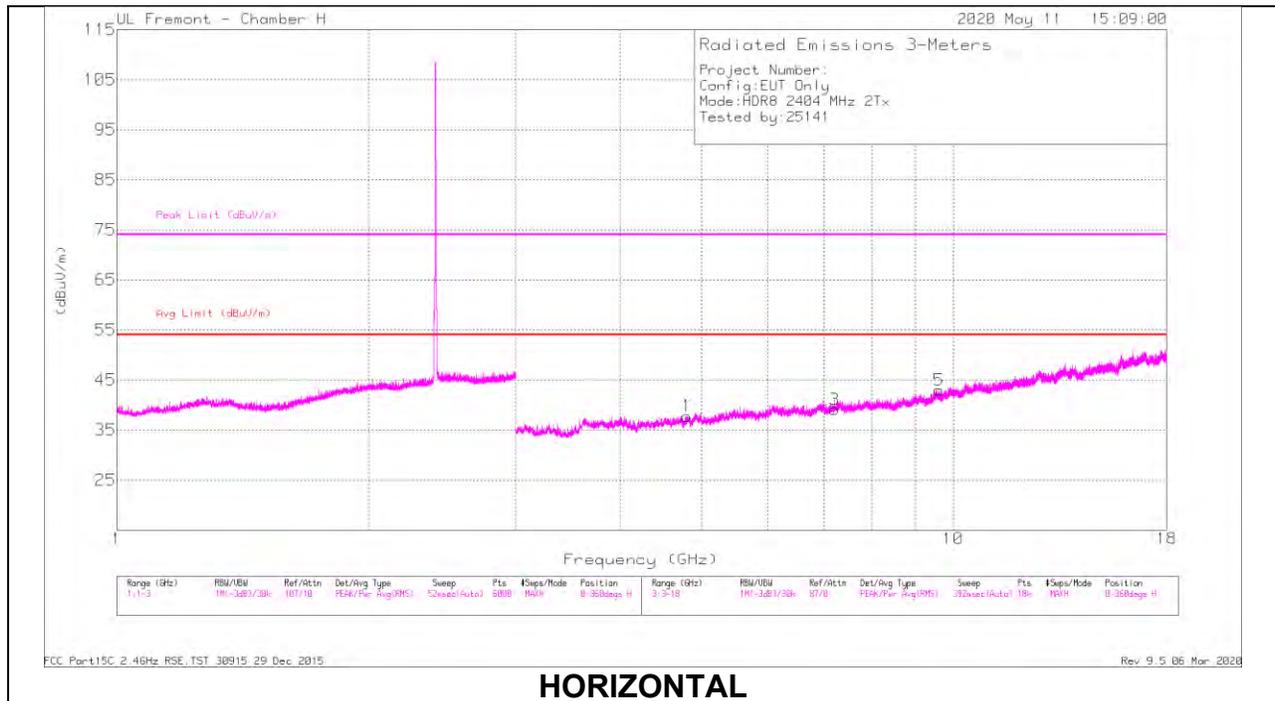
Pk - Peak detector

RMS - RMS detection

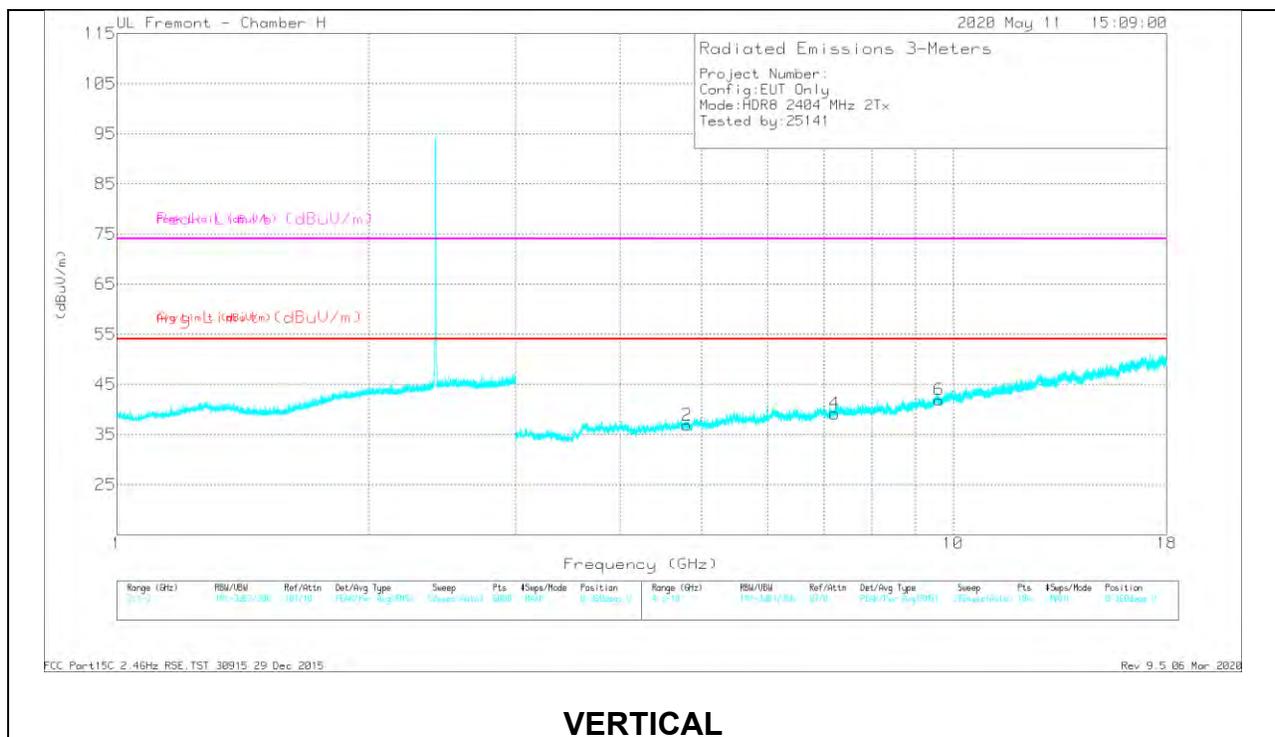
**HARMONICS AND SPURIOUS EMISSIONS WORST CASE**

**HIGH POWER, TXBF HDR8**

**LOW CHANNEL RESULTS**



**HORIZONTAL**



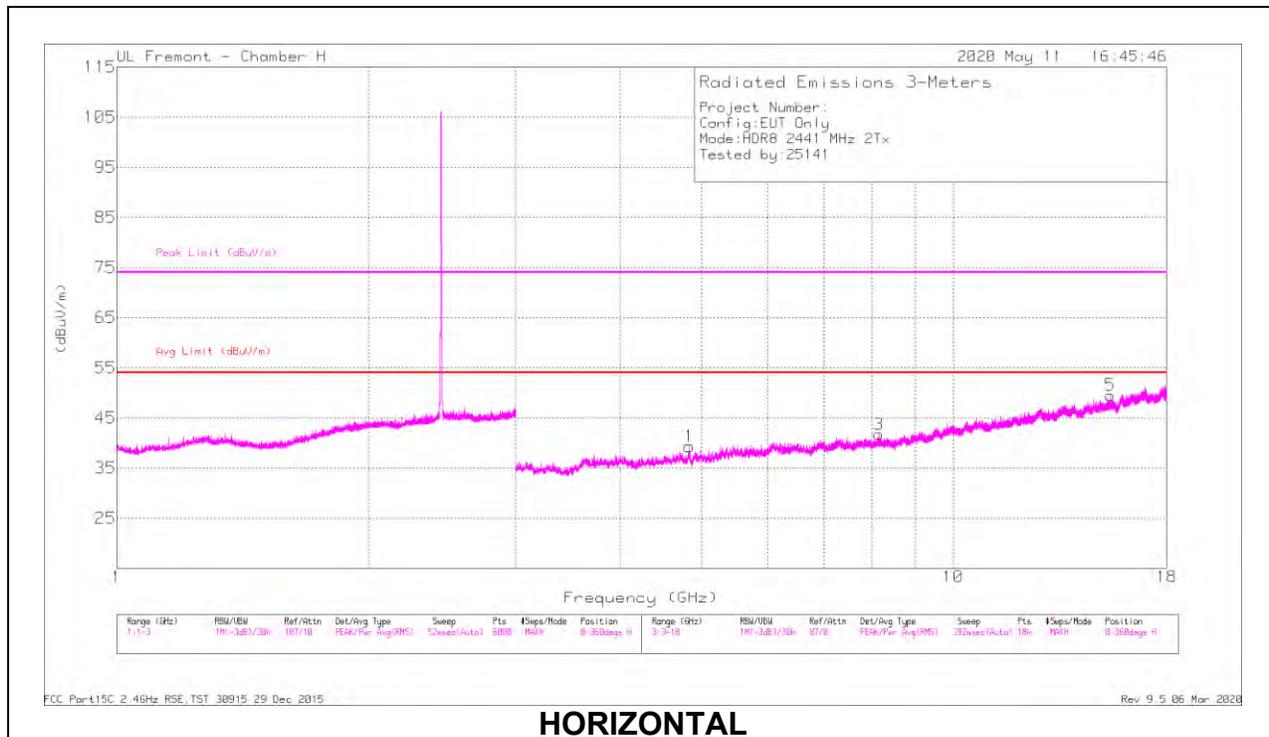
**VERTICAL**

**RADIATED EMISSIONS**

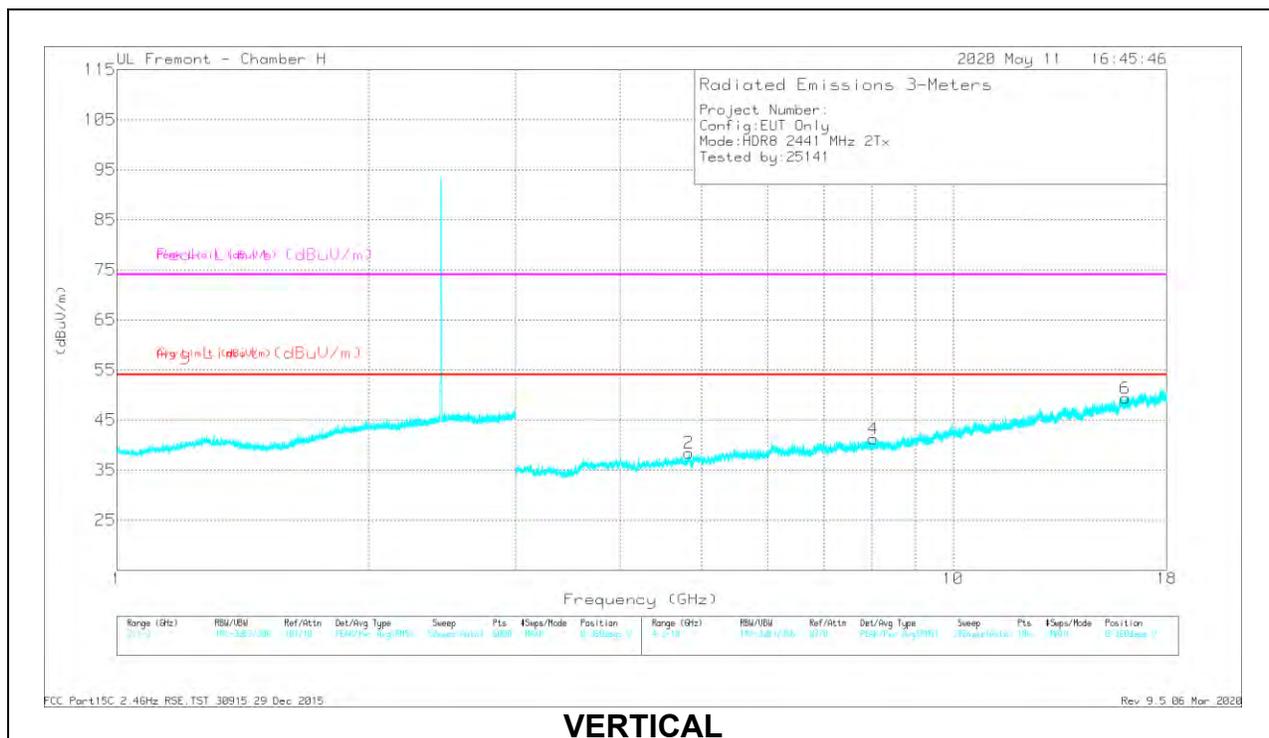
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T863 (dB/m) | Amp/Cbl/Filtr/P ad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 4.80713       | 43.22                | PK2  | 34.4           | -31.5                   | 46.12                      | -                  | -           | 74                  | -27.88         | 196            | 141         | H        |
|        | * 4.80814       | 32.02                | MAv1 | 34.4           | -31.5                   | 34.92                      | 54                 | -19.08      | -                   | -              | 196            | 141         | H        |
| 2      | * 4.80745       | 42.76                | PK2  | 34.4           | -31.5                   | 45.66                      | -                  | -           | 74                  | -28.34         | 150            | 267         | V        |
|        | * 4.80868       | 30.95                | MAv1 | 34.4           | -31.5                   | 33.85                      | 54                 | -20.15      | -                   | -              | 150            | 267         | V        |
| 3      | 7.21287         | 39.8                 | PK2  | 35.9           | -28.5                   | 47.2                       | -                  | -           | -                   | -              | 106            | 395         | H        |
| 4      | 7.21329         | 39.91                | PK2  | 36             | -28.5                   | 47.41                      | -                  | -           | -                   | -              | 145            | 101         | V        |
| 5      | 9.61571         | 38.24                | PK2  | 36.9           | -24.9                   | 50.24                      | -                  | -           | -                   | -              | 98             | 154         | H        |
| 6      | 9.61638         | 37.35                | PK2  | 36.9           | -24.9                   | 49.35                      | -                  | -           | -                   | -              | 243            | 103         | 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



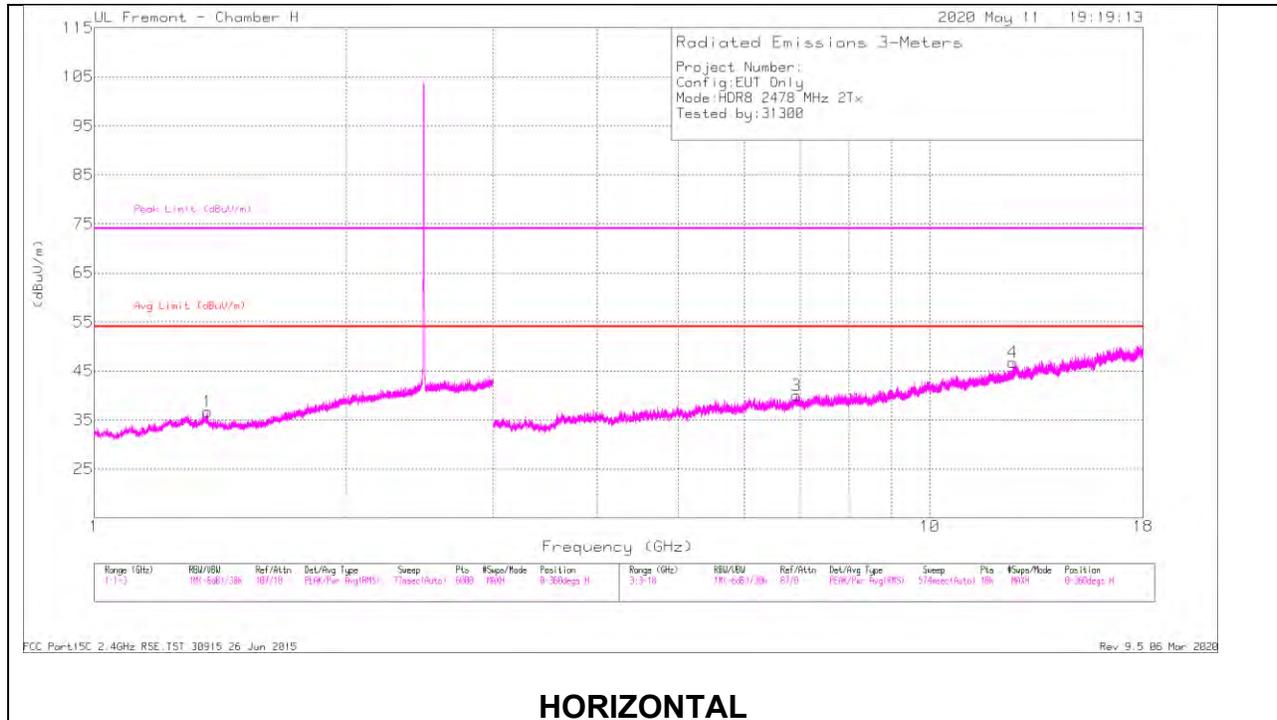
### VERTICAL

**RADIATED EMISSIONS**

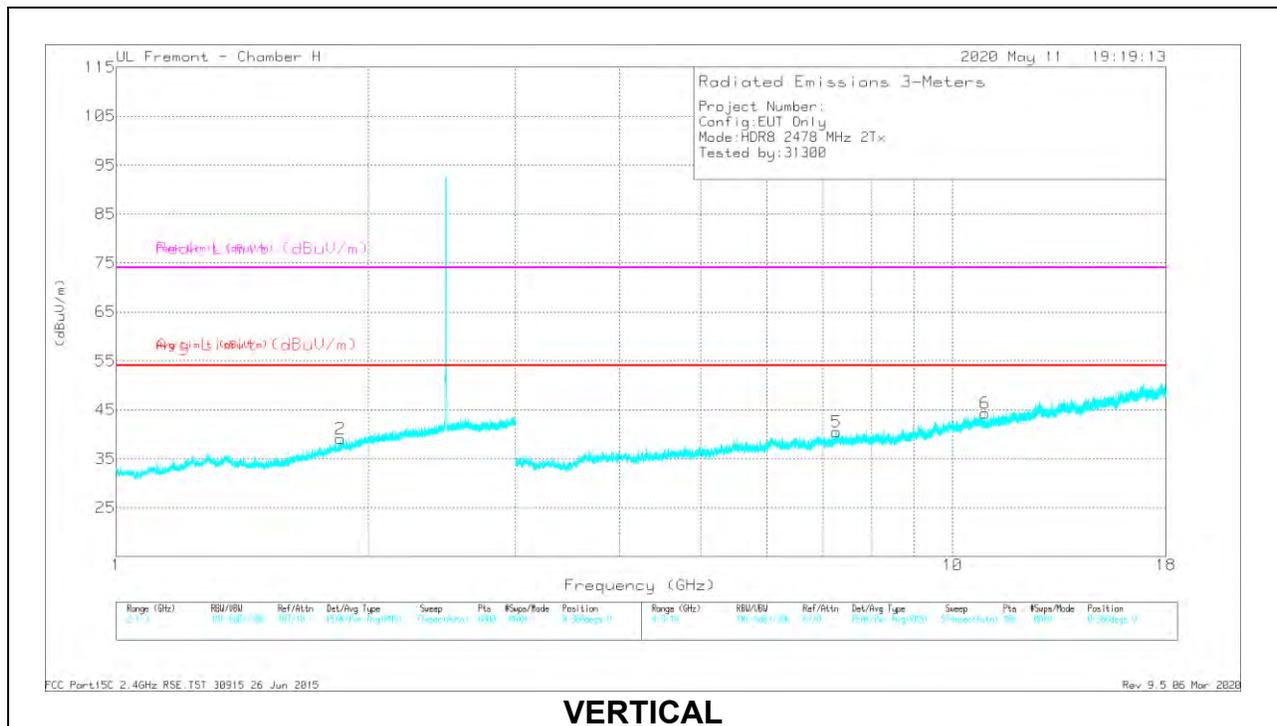
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T863 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 4.83663       | 42.83                | PK2  | 34.3           | -31.6                  | 45.53                      | -                  | -           | 74                  | -28.47         | 307            | 259         | H        |
|        | * 4.83389       | 31.21                | MAv1 | 34.3           | -31.7                  | 33.81                      | 54                 | -20.19      | -                   | -              | 307            | 259         | H        |
| 3      | * 8.15326       | 38.7                 | PK2  | 36             | -26.5                  | 48.2                       | -                  | -           | 74                  | -25.8          | 82             | 214         | H        |
|        | * 8.14996       | 26.66                | MAv1 | 36             | -26.6                  | 36.06                      | 54                 | -17.94      | -                   | -              | 82             | 214         | H        |
| 5      | * 15.40762      | 37.8                 | PK2  | 41             | -22.2                  | 56.6                       | -                  | -           | 74                  | -17.4          | 104            | 256         | H        |
|        | * 15.40588      | 25.05                | MAv1 | 41             | -22.1                  | 43.95                      | 54                 | -10.05      | -                   | -              | 104            | 256         | H        |
| 2      | * 4.83061       | 42.4                 | PK2  | 34.3           | -31.7                  | 45                         | -                  | -           | 74                  | -29            | 178            | 197         | V        |
|        | * 4.83335       | 31.21                | MAv1 | 34.3           | -31.7                  | 33.81                      | 54                 | -20.19      | -                   | -              | 178            | 197         | V        |
| 4      | * 8.02773       | 38.52                | PK2  | 36.1           | -27.3                  | 47.32                      | -                  | -           | 74                  | -26.68         | 154            | 355         | V        |
|        | * 8.02775       | 26.98                | MAv1 | 36.1           | -27.3                  | 35.78                      | 54                 | -18.22      | -                   | -              | 154            | 355         | V        |
| 6      | * 16.0593       | 36.92                | PK2  | 41.6           | -22.9                  | 55.62                      | -                  | -           | 74                  | -18.38         | 211            | 275         | V        |
|        | * 16.05664      | 25.37                | MAv1 | 41.6           | -22.9                  | 44.07                      | 54                 | -9.93       | -                   | -              | 211            | 275         | V        |

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

### HIGH CHANNEL RESULTS



### HORIZONTAL



### VERTICAL

**RADIATED EMISSIONS**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T863 (dB/m) | Amp/Cbl/Filtr/P ad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.36376       | 35.39                | PK2  | 29.1           | -22.8                   | 41.69                      | -                  | -           | 74                  | -32.31         | 360            | 200         | H        |
|        | * 1.36418       | 24.12                | MAv1 | 29.1           | -22.8                   | 30.42                      | 54                 | -23.58      | -                   | -              | 360            | 200         | H        |
| 4      | * 12.56456      | 36.1                 | PK2  | 39.6           | -23.5                   | 52.2                       | -                  | -           | 74                  | -21.8          | 62             | 101         | H        |
|        | * 12.56609      | 23.9                 | MAv1 | 39.6           | -23.5                   | 40                         | 54                 | -14         | -                   | -              | 62             | 101         | H        |
| 5      | * 7.26217       | 37.89                | PK2  | 36             | -27.6                   | 46.29                      | -                  | -           | 74                  | -27.71         | 205            | 101         | V        |
|        | * 7.26173       | 26.12                | MAv1 | 36             | -27.6                   | 34.52                      | 54                 | -19.48      | -                   | -              | 205            | 101         | V        |
| 6      | * 10.94155      | 36.08                | PK2  | 37.6           | -24.1                   | 49.58                      | -                  | -           | 74                  | -24.42         | 221            | 200         | V        |
|        | * 10.94348      | 24.23                | MAv1 | 37.6           | -24.2                   | 37.63                      | 54                 | -16.37      | -                   | -              | 221            | 200         | V        |
| 2      | 1.85265         | 35.96                | PK2  | 30.8           | -22.5                   | 44.26                      | -                  | -           | -                   | -              | 90             | 276         | V        |
| 3      | 6.92657         | 37.17                | PK2  | 35.7           | -27.2                   | 45.67                      | -                  | -           | -                   | -              | 149            | 101         | H        |

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

PK2 - KDB558074 Method: Maximum Peak

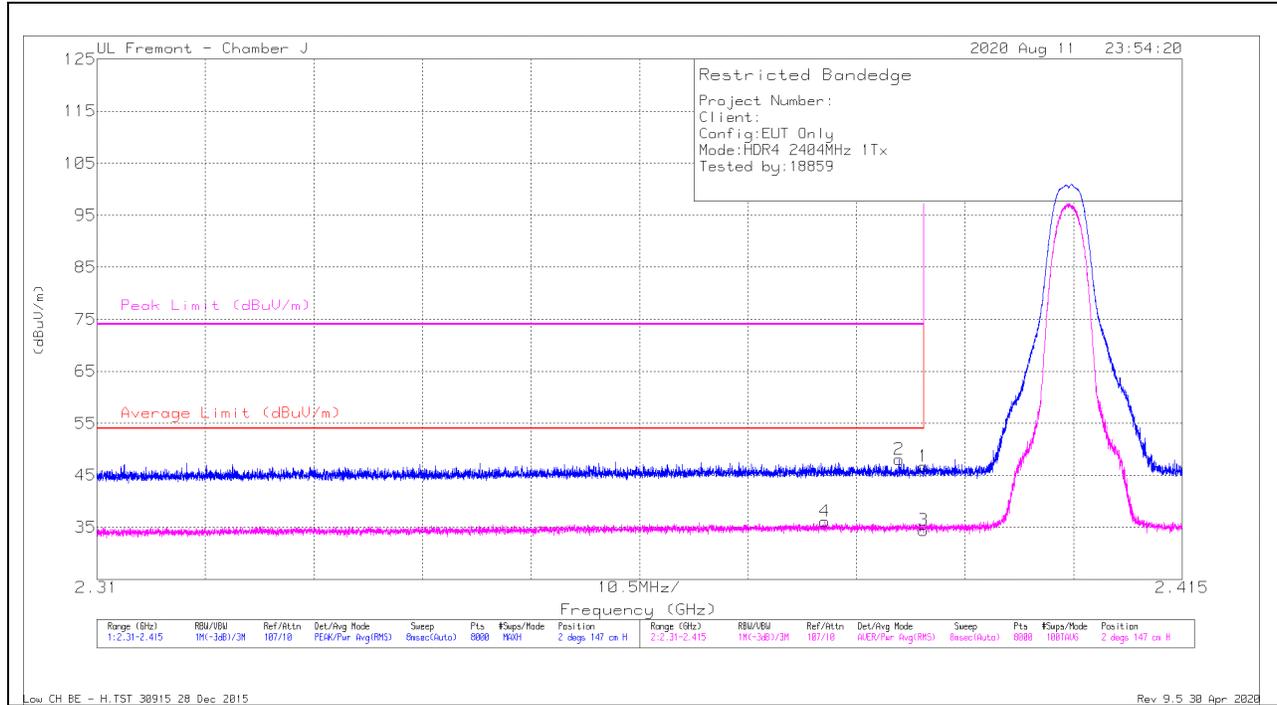
MAv1 - KDB558074 Option 1 Maximum RMS Average

**10.2.5. LOW POWER HDR (HDR4)**

**ANT 4**

**BANDEDGE (LOW CHANNEL)**

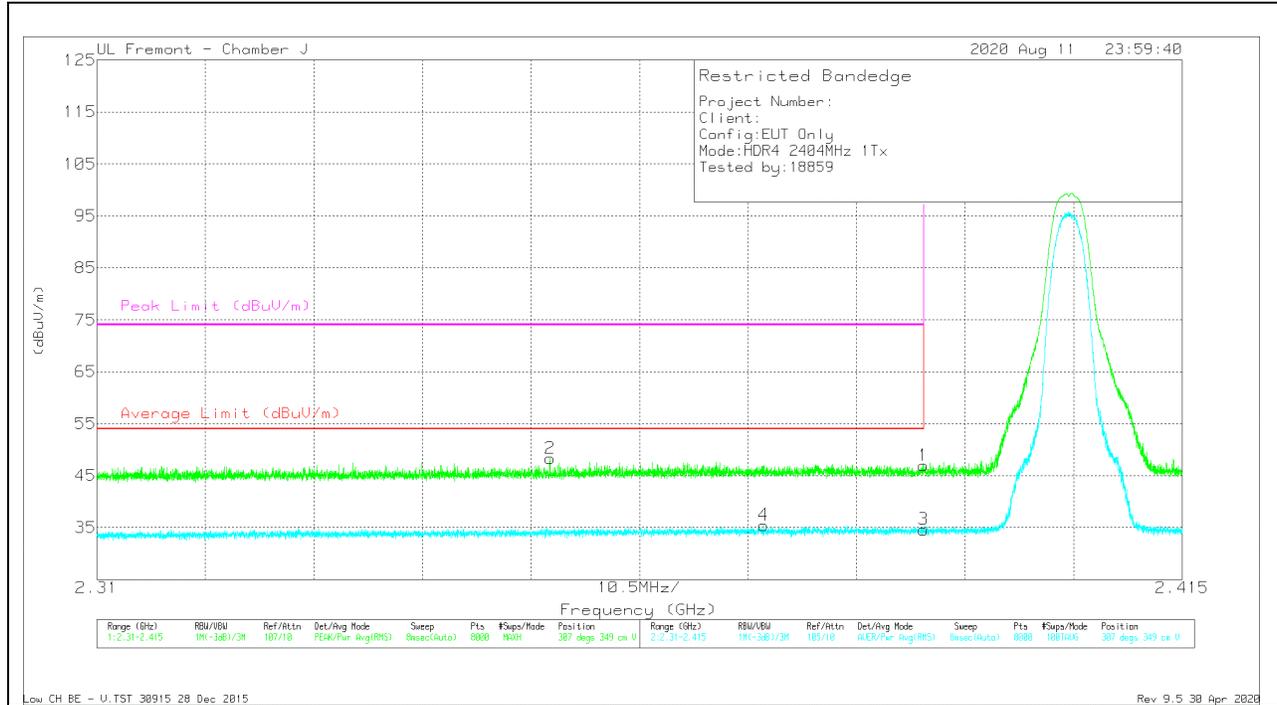
**HORIZONTAL RESULT**



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T963 (dB/m) | Amp/Cb/Fitr/Paid (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          | 32.42                | Pk  | 29             | -14.7                 | 46.72                      | -                      | -           | 74                  | -27.28         | 2              | 147         | H        |
| 2      | * 2.38759       | 33.81                | Pk  | 29             | -14.7                 | 48.11                      | -                      | -           | 74                  | -25.89         | 2              | 147         | H        |
| 3      | * 2.39          | 20.06                | RMS | 29             | -14.7                 | 34.36                      | 54                     | -19.64      | -                   | -              | 2              | 147         | H        |
| 4      | * 2.38044       | 21.86                | RMS | 29             | -14.7                 | 36.16                      | 54                     | -17.84      | -                   | -              | 2              | 147         | H        |

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

### VERTICAL RESULT

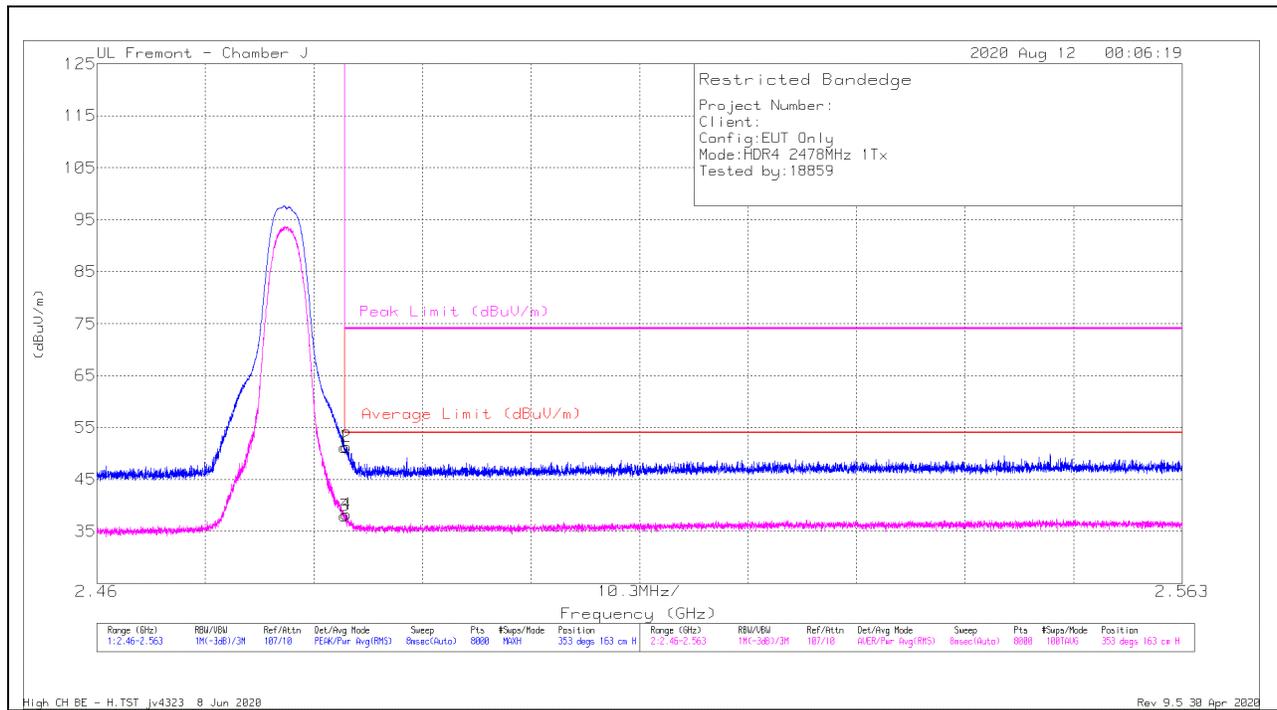


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T963 (dB/m) | Amp/Cb/Filt/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 32.69                | Pk  | 29             | -14.7                 | 46.99                      | -                      | -           | 74                  | -27.01         | 307            | 349         | V        |
| 2      | * 2.35383       | 34.25                | Pk  | 28.9           | -14.9                 | 48.25                      | -                      | -           | 74                  | -25.75         | 307            | 349         | V        |
| 3      | * 2.39          | 20.29                | RMS | 29             | -14.7                 | 34.59                      | 54                     | -19.41      | -                   | -              | 307            | 349         | V        |
| 4      | * 2.37451       | 21.25                | RMS | 29             | -14.8                 | 35.45                      | 54                     | -18.55      | -                   | -              | 307            | 349         | V        |

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

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



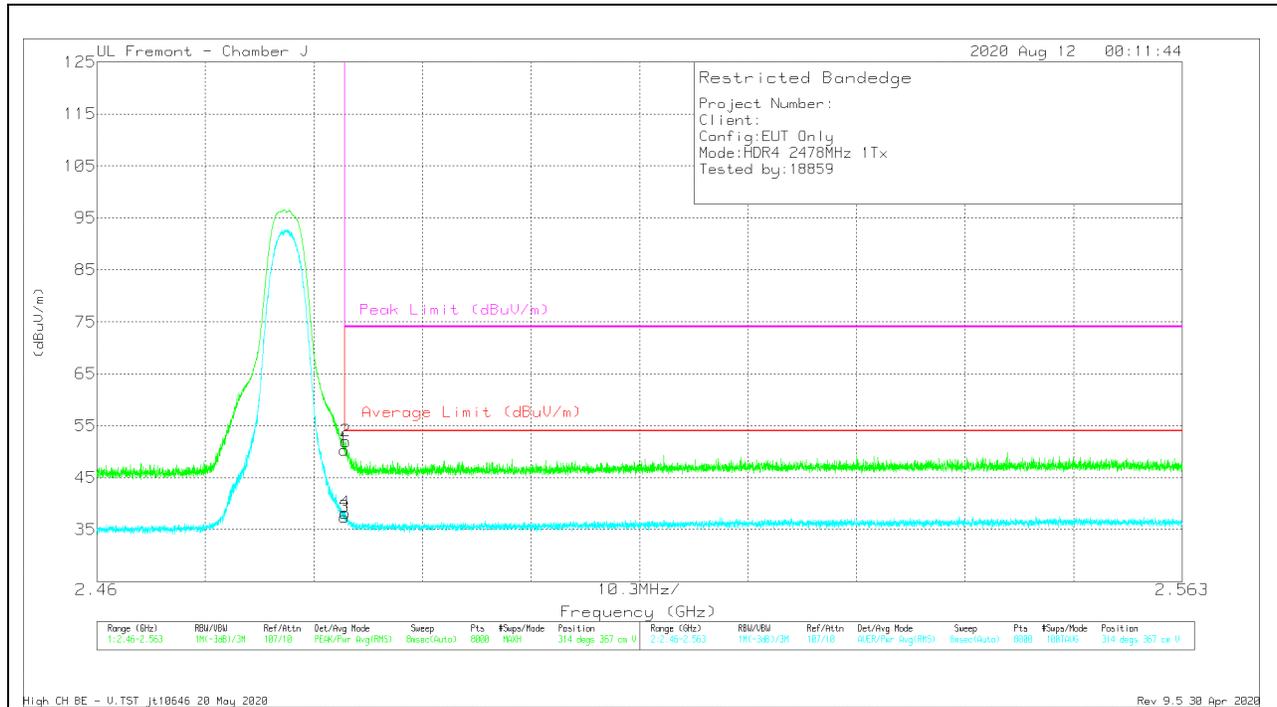
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T963 (dB/m) | Amp/Cbl/Fitr/Par d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.4835        | 36.31                | Pk  | 29.5           | -14.6                   | 51.21                      | -                      | -           | 74                  | -22.79         | 353            | 163         | H        |
| 2      | * 2.48371       | 36.34                | Pk  | 29.5           | -14.6                   | 51.24                      | -                      | -           | 74                  | -22.76         | 353            | 163         | H        |
| 3      | * 2.4835        | 23.14                | RMS | 29.5           | -14.6                   | 38.04                      | 54                     | -15.96      | -                   | -              | 353            | 163         | H        |
| 4      | * 2.48367       | 23.34                | RMS | 29.5           | -14.6                   | 38.24                      | 54                     | -15.76      | -                   | -              | 353            | 163         | H        |

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



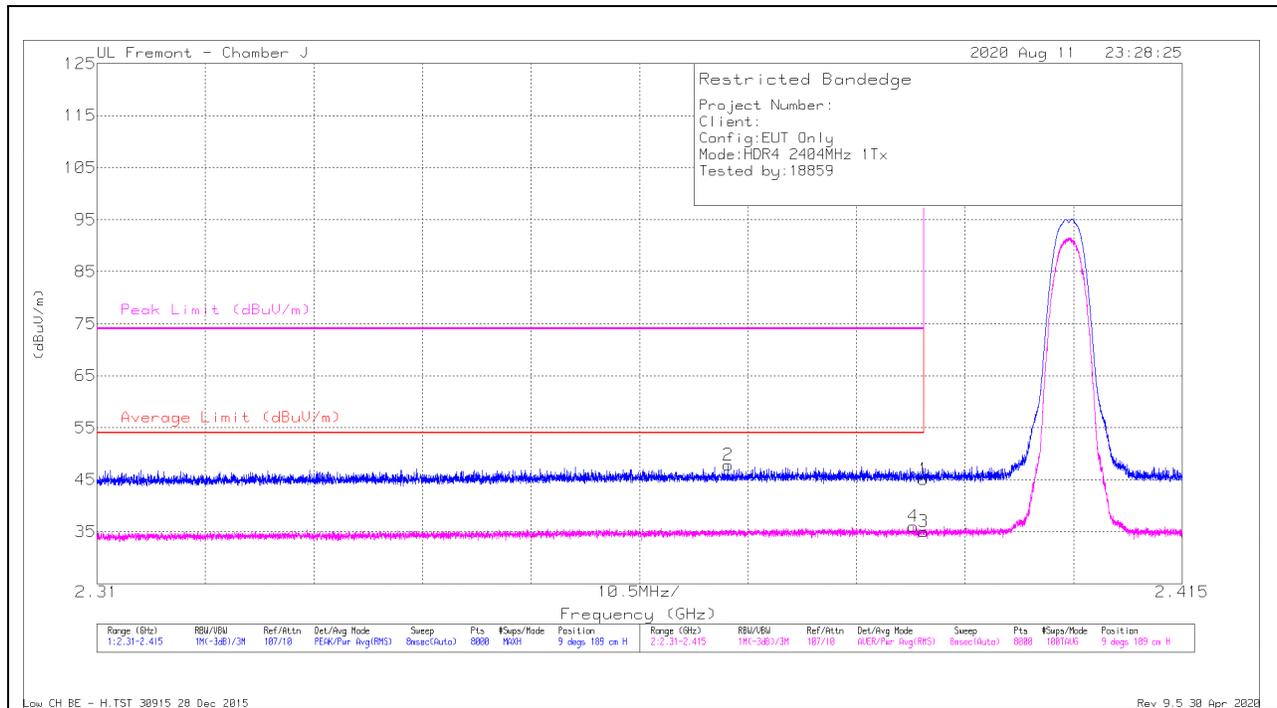
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T963 (dB/m) | Amp/Cb/Filt/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.4835        | 35.45                | Pk  | 29.5           | -14.6                 | 50.35                      | -                      | -           | 74                  | -23.65         | 314            | 367         | V        |
| 2      | * 2.48359       | 37.07                | Pk  | 29.5           | -14.6                 | 51.97                      | -                      | -           | 74                  | -22.03         | 314            | 367         | V        |
| 3      | * 2.4835        | 22.43                | RMS | 29.5           | -14.6                 | 37.33                      | 54                     | -16.67      | -                   | -              | 314            | 367         | V        |
| 4      | * 2.48354       | 23.29                | RMS | 29.5           | -14.6                 | 38.19                      | 54                     | -15.81      | -                   | -              | 314            | 367         | V        |

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

**ANT 3**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**



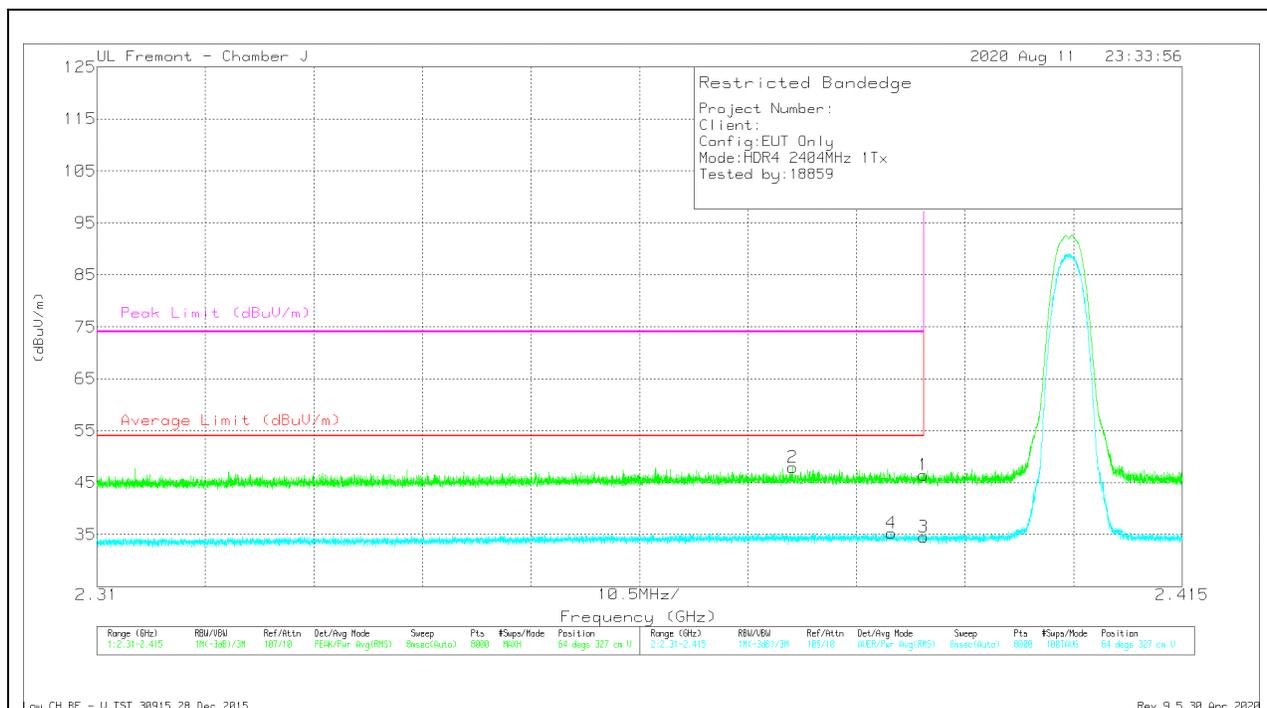
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T963 (dB/m) | Amp/Cbl/Fitr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 30.72                | Pk  | 29             | -14.7                  | 45.02                      | -                      | -           | 74                  | -28.98         | 9              | 189         | H        |
| 2      | * 2.37108       | 33.59                | Pk  | 29             | -14.8                  | 47.79                      | -                      | -           | 74                  | -26.21         | 9              | 189         | H        |
| 3      | * 2.39          | 20.7                 | RMS | 29             | -14.7                  | 35                         | 54                     | -19         | -                   | -              | 9              | 189         | H        |
| 4      | * 2.38899       | 21.76                | RMS | 29             | -14.7                  | 36.06                      | 54                     | -17.94      | -                   | -              | 9              | 189         | H        |

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT

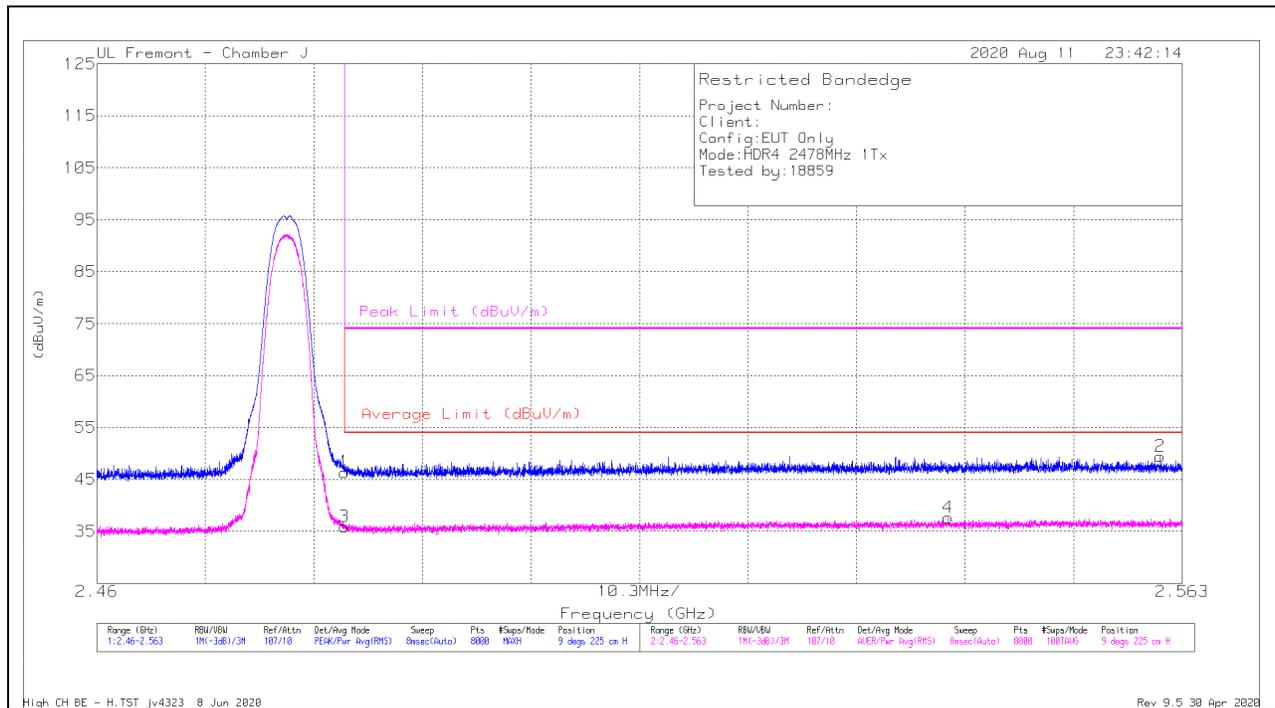


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T963 (dB/m) | Amp/Cb/Filt/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 32.19                | Pk  | 29             | -14.7                 | 46.49                      | -                      | -           | 74                  | -27.51         | 64             | 327         | V        |
| 2      | * 2.37729       | 33.67                | Pk  | 29             | -14.7                 | 47.97                      | -                      | -           | 74                  | -26.03         | 64             | 327         | V        |
| 3      | * 2.39          | 20.24                | RMS | 29             | -14.7                 | 34.54                      | 54                     | -19.46      | -                   | -              | 64             | 327         | V        |
| 4      | * 2.38688       | 21.01                | RMS | 29             | -14.7                 | 35.31                      | 54                     | -18.69      | -                   | -              | 64             | 327         | V        |

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

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



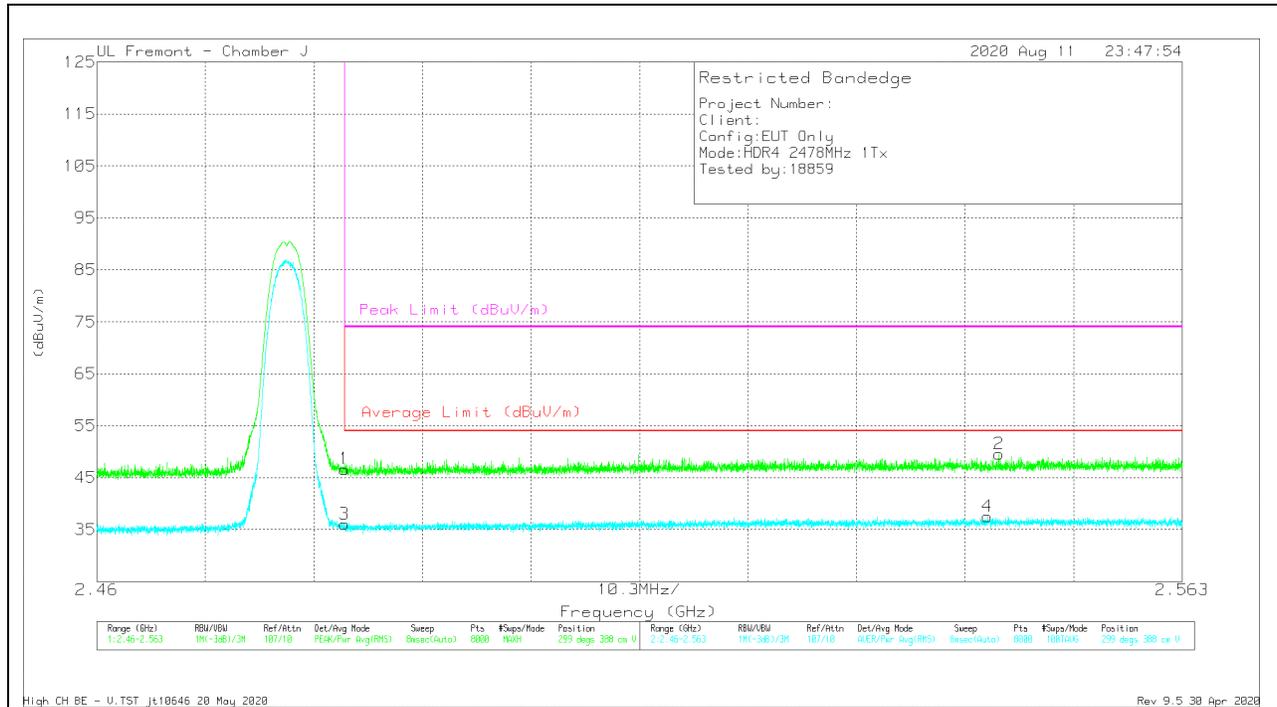
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AFT963 (dBm) | Amp/Cbl/Filtr/Par d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|--------------|--------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.4835        | 31.48                | Pk  | 29.5         | -14.6                    | 46.38                      | -                      | -           | 74                  | -27.62         | 9              | 225         | H        |
| 2      | 2.56093         | 34.06                | Pk  | 29.8         | -14.4                    | 49.46                      | -                      | -           | 74                  | -24.54         | 9              | 225         | H        |
| 3      | * 2.4835        | 20.98                | RMS | 29.5         | -14.6                    | 35.88                      | 54                     | -18.12      | -                   | -              | 9              | 225         | H        |
| 4      | 2.54079         | 22.37                | RMS | 29.8         | -14.5                    | 37.67                      | 54                     | -16.33      | -                   | -              | 9              | 225         | H        |

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



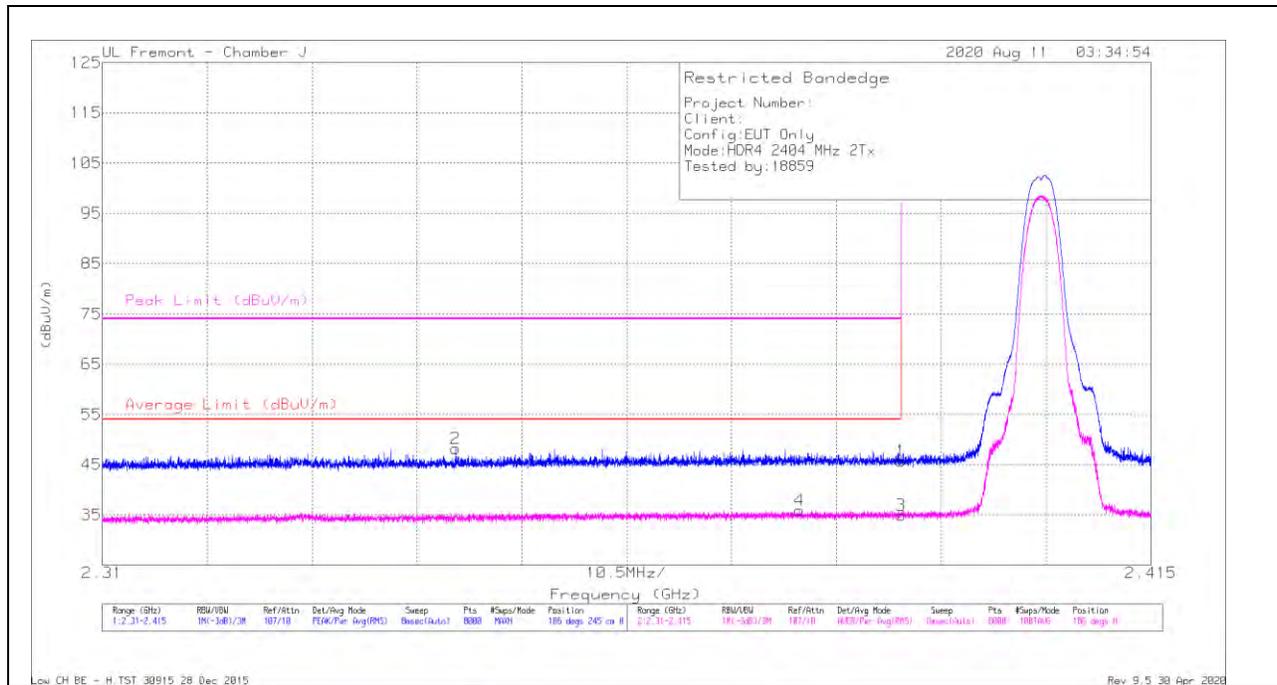
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T963 (dB/m) | Amp/Cbl/Filtr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.4835        | 31.73                | Pk  | 29.5           | -14.6                   | 46.63                      | -                      | -           | 74                  | -27.37         | 299            | 388         | V        |
| 2      | 2.54559         | 34.27                | Pk  | 29.8           | -14.5                   | 49.57                      | -                      | -           | 74                  | -24.43         | 299            | 388         | V        |
| 3      | * 2.4835        | 21.07                | RMS | 29.5           | -14.6                   | 35.97                      | 54                     | -18.03      | -                   | -              | 299            | 388         | V        |
| 4      | 2.54451         | 22.25                | RMS | 29.8           | -14.5                   | 37.55                      | 54                     | -16.45      | -                   | -              | 299            | 388         | V        |

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

**10.2.6. LOW POWER HDR TXBF (HDR4)**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**



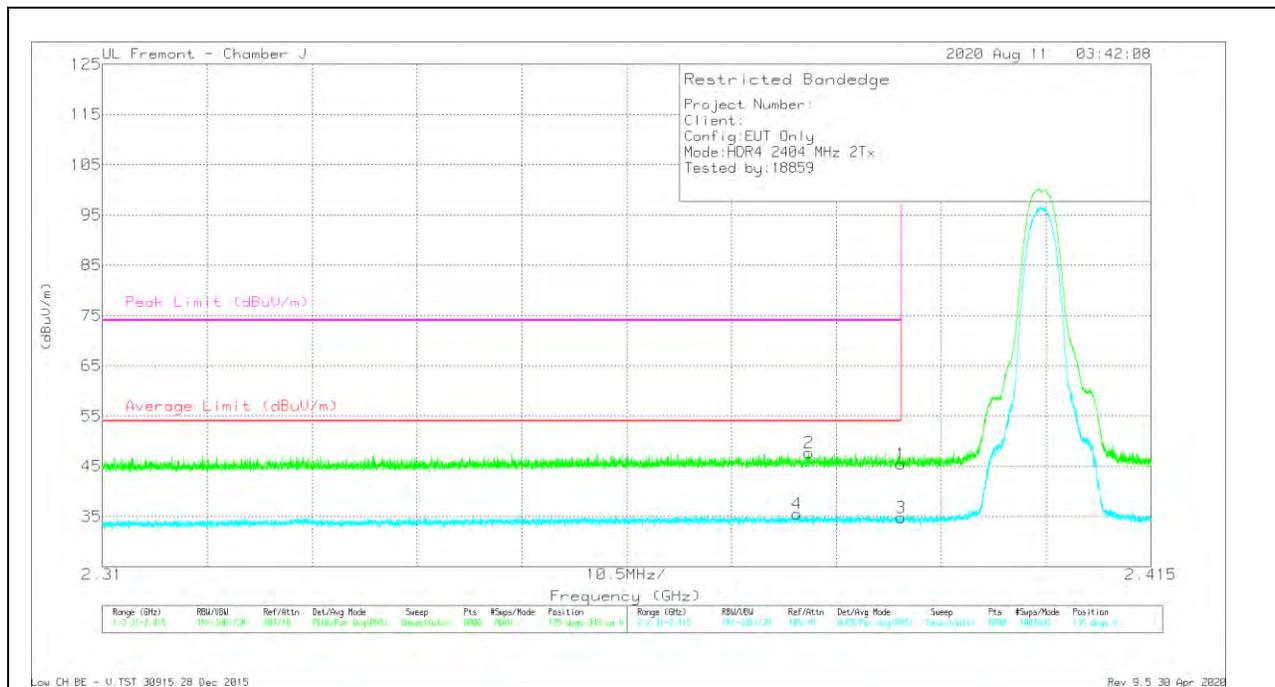
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T963 (dB/m) | Amp/Cb/Filt/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 31.45                | Pk  | 29             | -14.7                 | 45.75                      | -                      | -           | 74                  | -28.25         | 186            | 245         | H        |
| 2      | * 2.34538       | 34.17                | Pk  | 28.9           | -14.9                 | 48.17                      | -                      | -           | 74                  | -25.83         | 186            | 245         | H        |
| 3      | * 2.39          | 20.62                | RMS | 29             | -14.7                 | 34.92                      | 54                     | -19.08      | -                   | -              | 186            | 245         | H        |
| 4      | * 2.3798        | 21.61                | RMS | 29             | -14.7                 | 35.91                      | 54                     | -18.09      | -                   | -              | 186            | 245         | H        |

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT

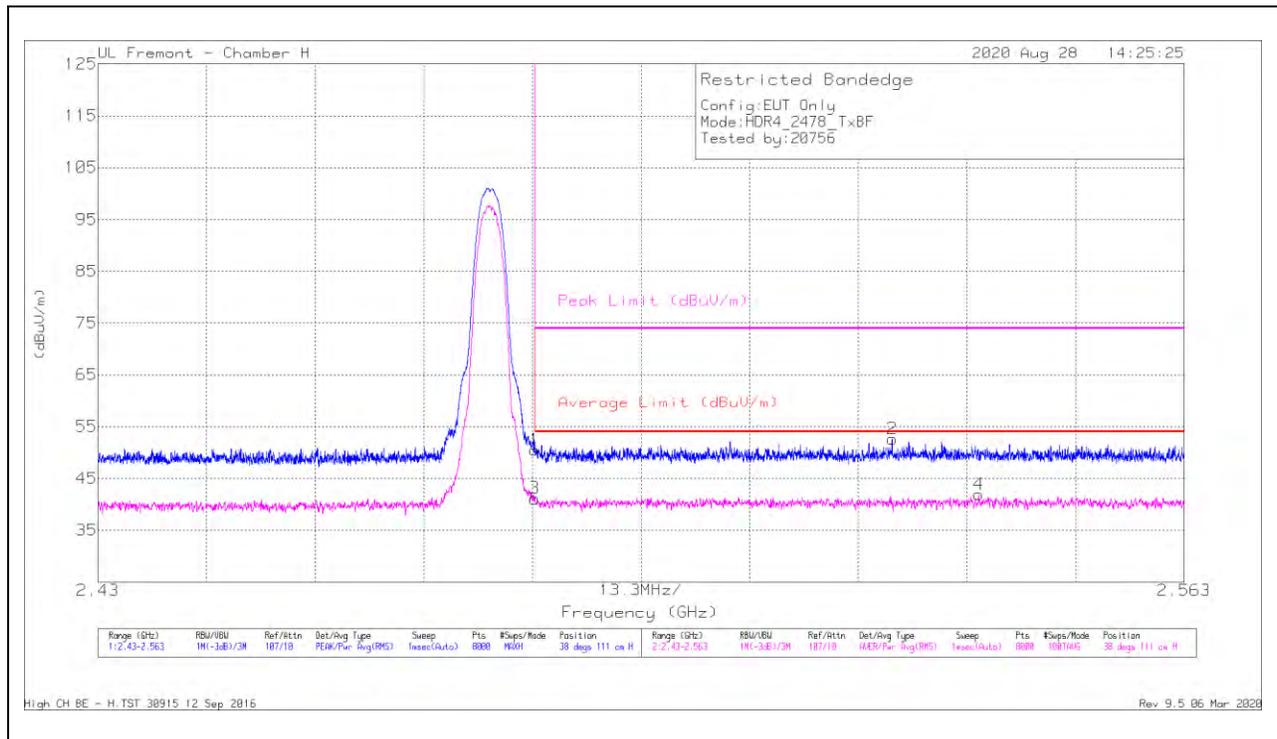


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T963 (dB/m) | Amp/Cb/Fitr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 31.1                 | Pk  | 29             | -14.7                 | 45.4                       | -                      | -           | 74                  | -28.6          | 135            | 349         | V        |
| 2      | * 2.38072       | 33.44                | Pk  | 29             | -14.7                 | 47.74                      | -                      | -           | 74                  | -26.26         | 135            | 349         | V        |
| 3      | * 2.39          | 20.51                | RMS | 29             | -14.7                 | 34.81                      | 54                     | -19.19      | -                   | -              | 135            | 349         | V        |
| 4      | * 2.37955       | 21.16                | RMS | 29             | -14.7                 | 35.46                      | 54                     | -18.54      | -                   | -              | 135            | 349         | V        |

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

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



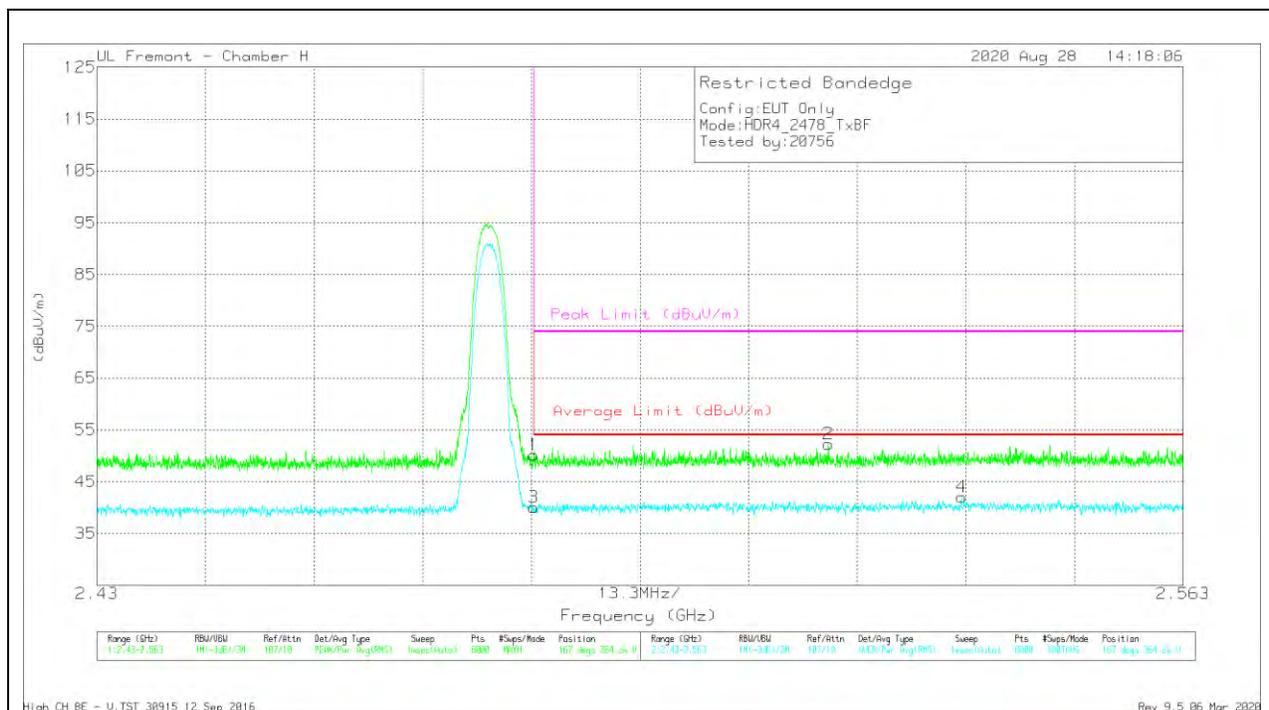
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T862 (dB/m) | Amp/Cb/Fitr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 41.96                | Pk  | 32.3           | -23.7                 | 50.56                      | -                      | -           | 74                  | -23.44         | 38             | 111         | H        |
| 3      | * 2.48351       | 32.5                 | RMS | 32.3           | -23.7                 | 41.1                       | 54                     | -12.9       | -                   | -              | 38             | 111         | H        |
| 2      | 2.52725         | 43.69                | Pk  | 32.4           | -23.5                 | 52.59                      | -                      | -           | 74                  | -21.41         | 38             | 111         | H        |
| 4      | 2.53784         | 32.95                | RMS | 32.4           | -23.4                 | 41.95                      | 54                     | -12.05      | -                   | -              | 38             | 111         | 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 T862 (dB/m) | Amp/Cb/Filt/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      | * 2.48351       | 41.48                | Pk  | 32.3           | -23.7                 | 50.08                      | -                      | -           | 74                  | -23.92         | 167            | 364         | V        |
| 3      | * 2.48351       | 31.39                | RMS | 32.3           | -23.7                 | 39.99                      | 54                     | -14.01      | -                   | -              | 167            | 364         | V        |
| 2      | 2.51957         | 43.5                 | Pk  | 32.3           | -23.5                 | 52.3                       | -                      | -           | 74                  | -21.7          | 167            | 364         | V        |
| 4      | 2.53588         | 33.05                | RMS | 32.4           | -23.4                 | 42.05                      | 54                     | -11.95      | -                   | -              | 167            | 364         | V        |

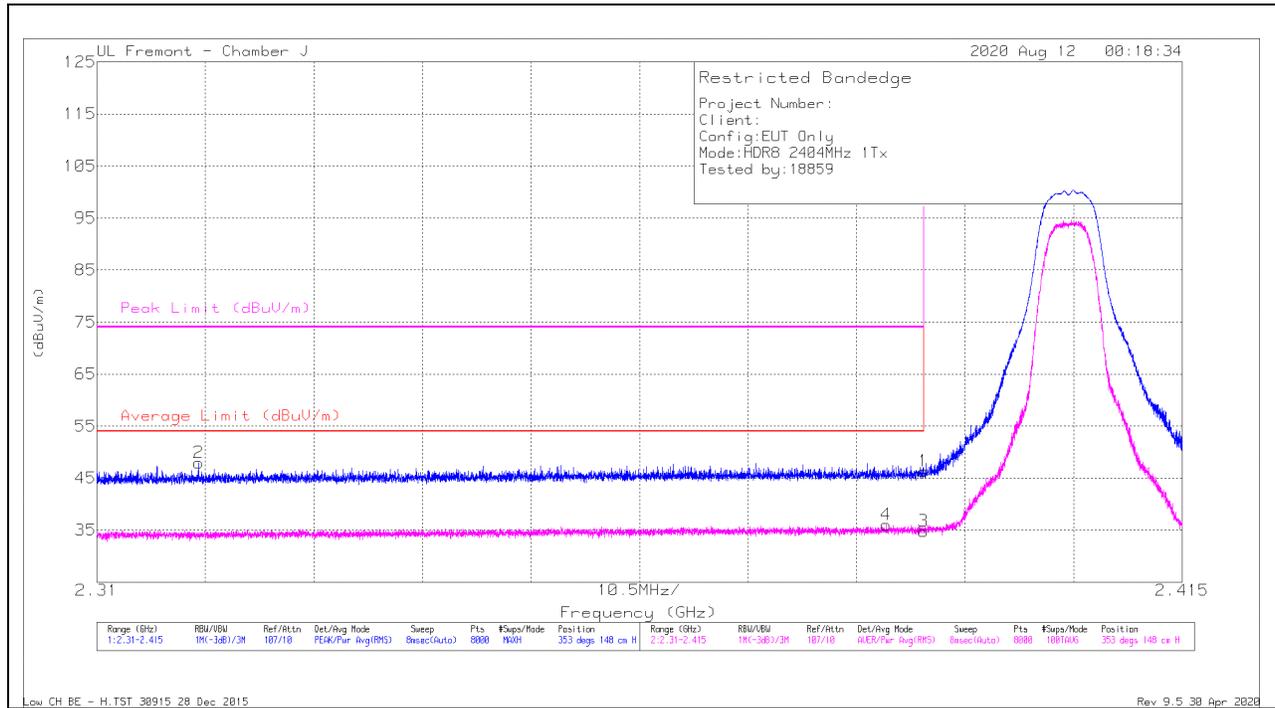
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

### 10.2.7. LOW POWER HDR (HDR8)

#### ANT 4

#### BANDEDGE (LOW CHANNEL)

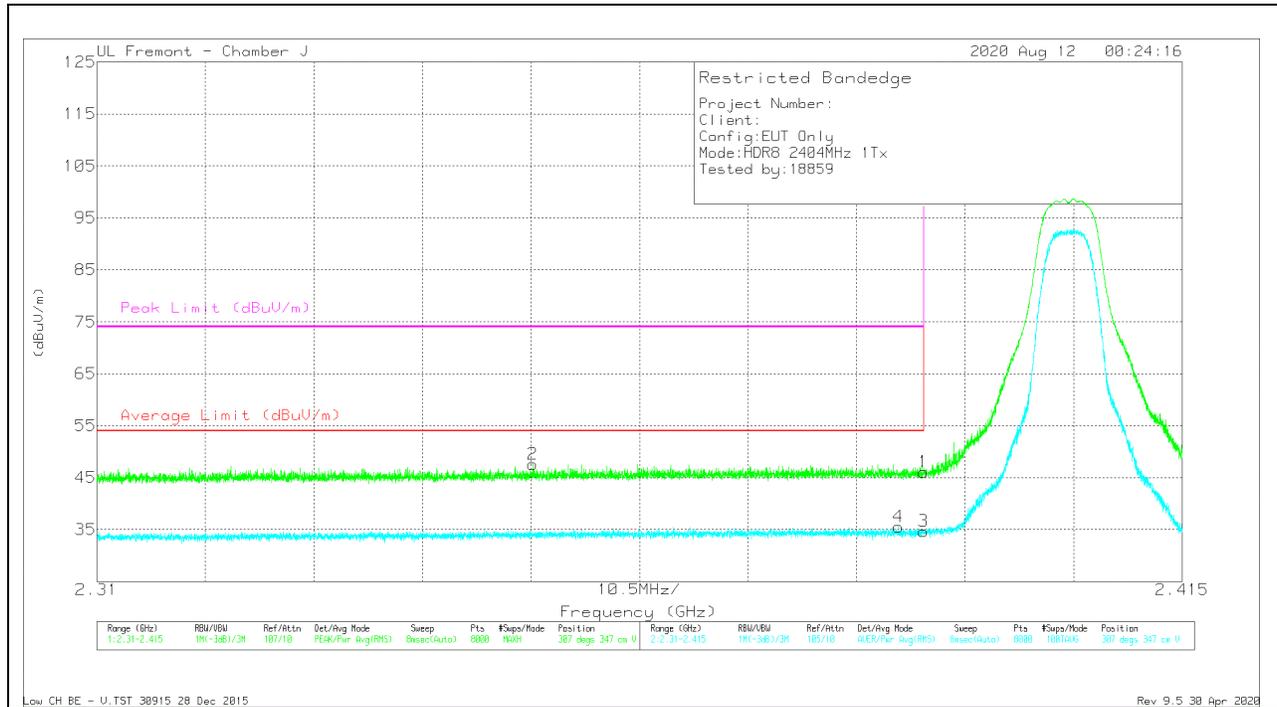
#### HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T963 (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          | 32.03                | Pk  | 29             | -14.7                | 46.33                      | -                      | -           | 74                  | -27.67         | 353            | 148         | H        |
| 2      | * 2.31983       | 34.27                | Pk  | 28.7           | -15                  | 47.97                      | -                      | -           | 74                  | -26.03         | 353            | 148         | H        |
| 3      | * 2.39          | 20.48                | RMS | 29             | -14.7                | 34.78                      | 54                     | -19.22      | -                   | -              | 353            | 148         | H        |
| 4      | * 2.38636       | 21.66                | RMS | 29             | -14.7                | 35.96                      | 54                     | -18.04      | -                   | -              | 353            | 148         | H        |

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

### VERTICAL RESULT

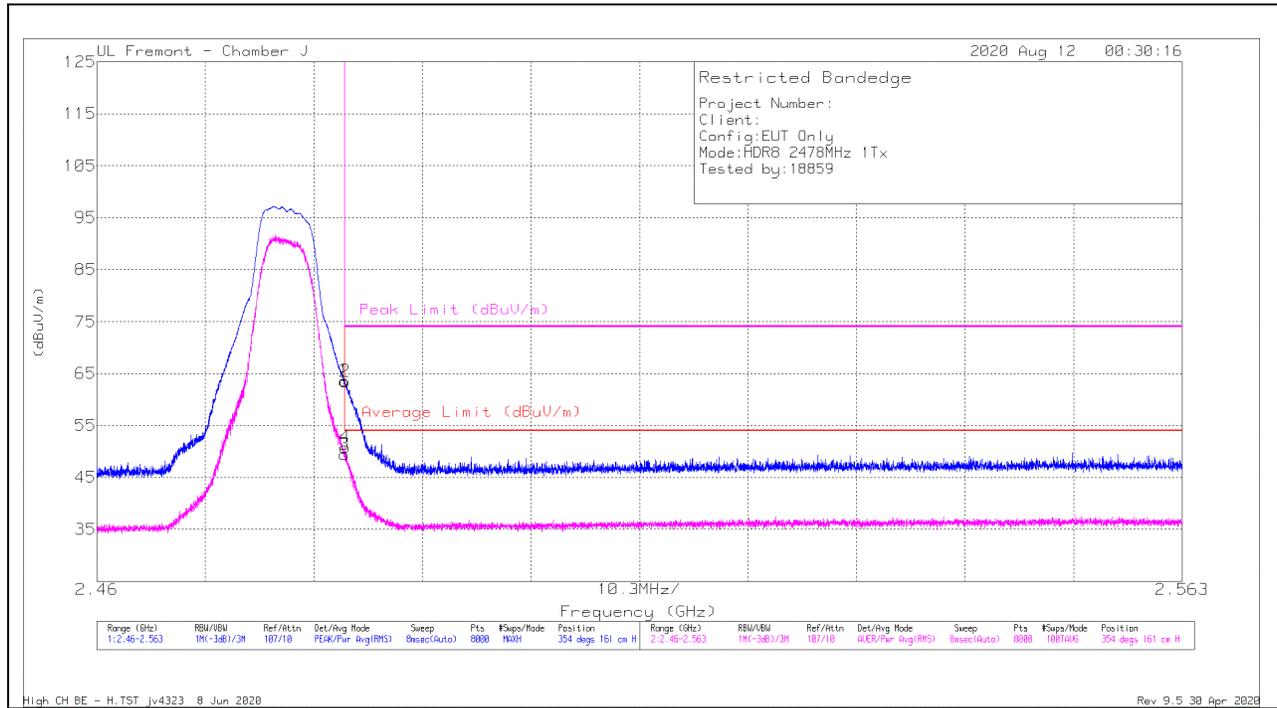


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T963 (dB/m) | Amp/Cb/Filt/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 31.77                | Pk  | 29             | -14.7                 | 46.07                      | -                      | -           | 74                  | -27.93         | 307            | 347         | V        |
| 2      | * 2.35219       | 33.56                | Pk  | 28.9           | -14.9                 | 47.56                      | -                      | -           | 74                  | -26.44         | 307            | 347         | V        |
| 3      | * 2.39          | 20.39                | RMS | 29             | -14.7                 | 34.69                      | 54                     | -19.31      | -                   | -              | 307            | 347         | V        |
| 4      | * 2.38753       | 21.26                | RMS | 29             | -14.7                 | 35.56                      | 54                     | -18.44      | -                   | -              | 307            | 347         | V        |

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

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



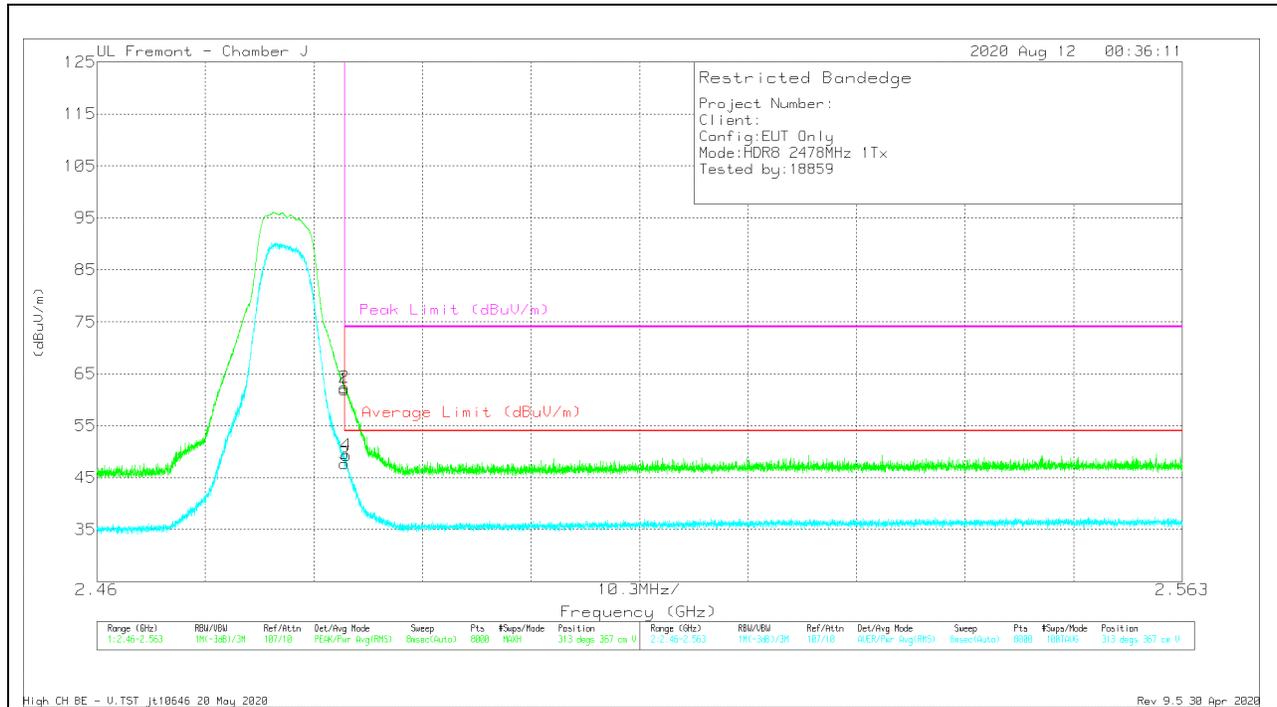
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T963 (dB/m) | Amp/Cbl/Fitri/Par d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|--------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.4835        | 48.66                | Pk  | 29.5           | -14.6                    | 63.56                      | -                      | -           | 74                  | -10.44         | 354            | 161         | H        |
| 2      | * 2.48354       | 48.61                | Pk  | 29.5           | -14.6                    | 63.51                      | -                      | -           | 74                  | -10.49         | 354            | 161         | H        |
| 3      | * 2.4835        | 34.54                | RMS | 29.5           | -14.6                    | 49.44                      | 54                     | -4.56       | -                   | -              | 354            | 161         | H        |
| 4      | * 2.48358       | 35.84                | RMS | 29.5           | -14.6                    | 50.74                      | 54                     | -3.26       | -                   | -              | 354            | 161         | H        |

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



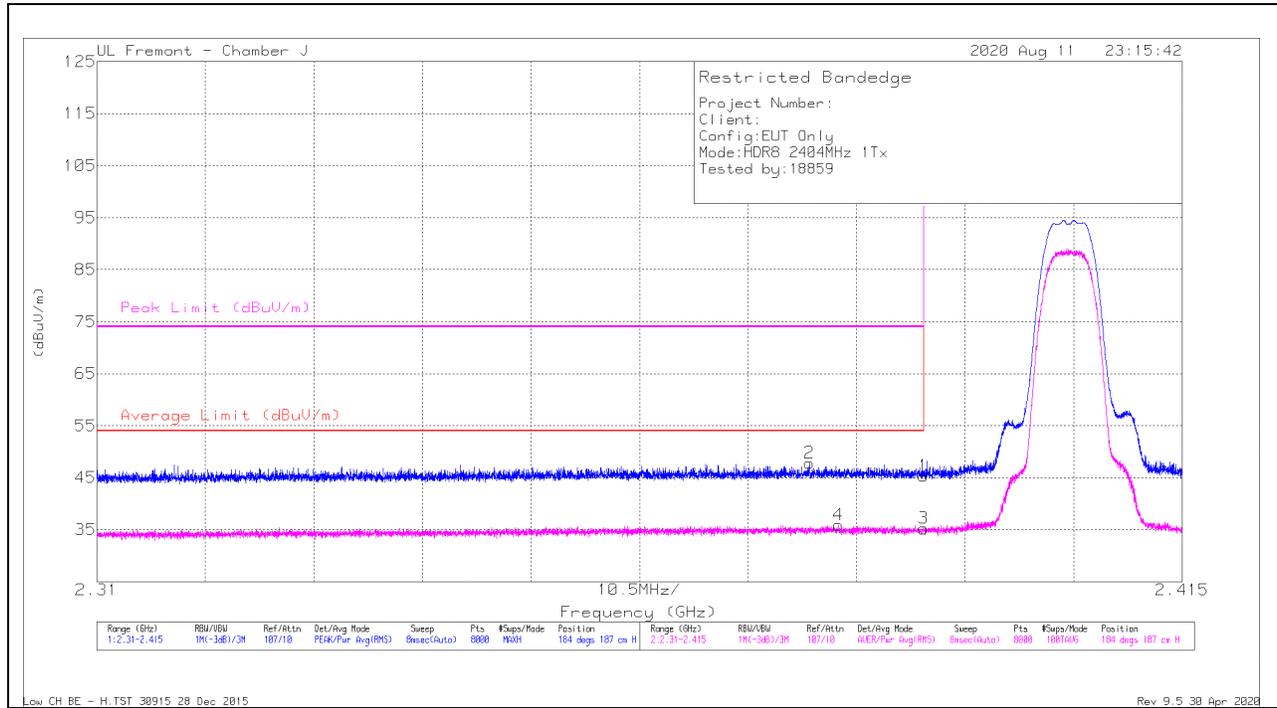
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T963 (dB/m) | Amp/CbI/Fitr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.4835        | 47.09                | Pk  | 29.5           | -14.6                  | 61.99                      | -                      | -           | 74                  | -12.01         | 313            | 367         | V        |
| 2      | * 2.48351       | 47.46                | Pk  | 29.5           | -14.6                  | 62.36                      | -                      | -           | 74                  | -11.64         | 313            | 367         | V        |
| 3      | * 2.4835        | 32.83                | RMS | 29.5           | -14.6                  | 47.73                      | 54                     | -6.27       | -                   | -              | 313            | 367         | V        |
| 4      | * 2.48366       | 34.38                | RMS | 29.5           | -14.6                  | 49.28                      | 54                     | -4.72       | -                   | -              | 313            | 367         | V        |

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

**ANT 3**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**



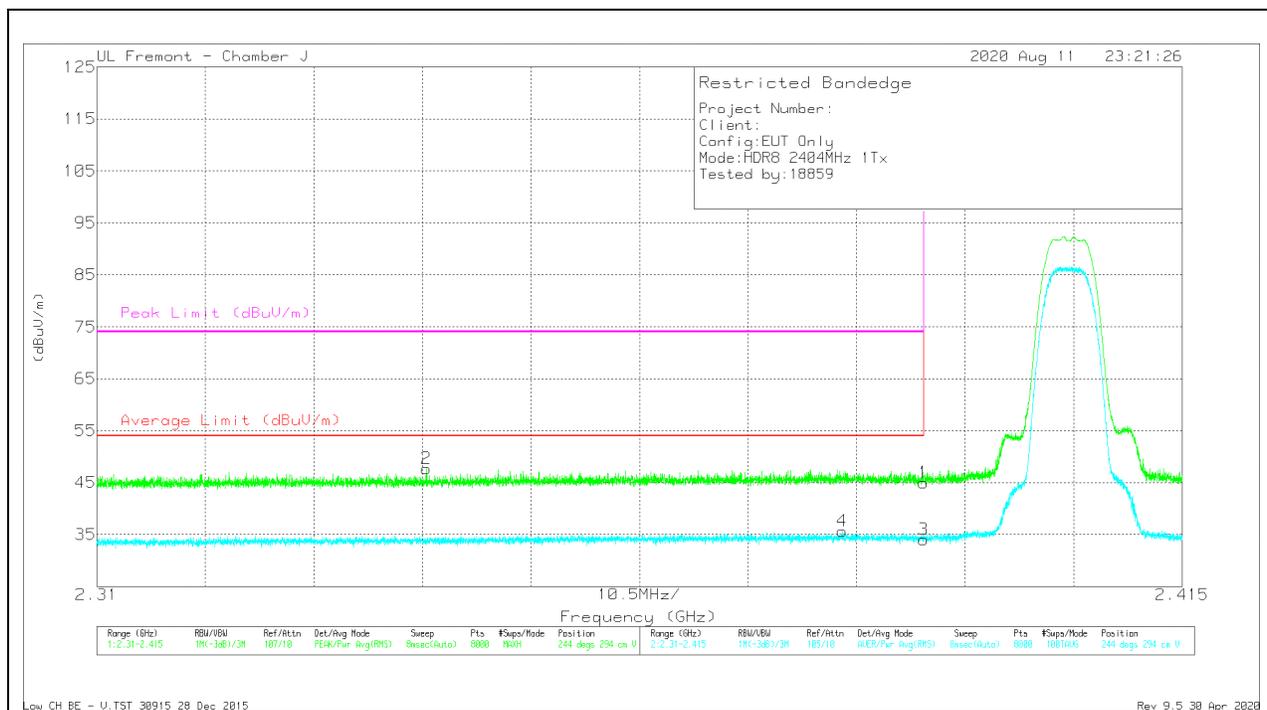
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T963 (dB/m) | Amp/Cbl/Fitr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 31.06                | Pk  | 29             | -14.7                  | 45.36                      | -                      | -           | 74                  | -28.64         | 184            | 187         | H        |
| 2      | * 2.37893       | 33.52                | Pk  | 29             | -14.7                  | 47.82                      | -                      | -           | 74                  | -26.18         | 184            | 187         | H        |
| 3      | * 2.39          | 20.91                | RMS | 29             | -14.7                  | 35.21                      | 54                     | -18.79      | -                   | -              | 184            | 187         | H        |
| 4      | * 2.38173       | 21.54                | RMS | 29             | -14.7                  | 35.84                      | 54                     | -18.16      | -                   | -              | 184            | 187         | H        |

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT

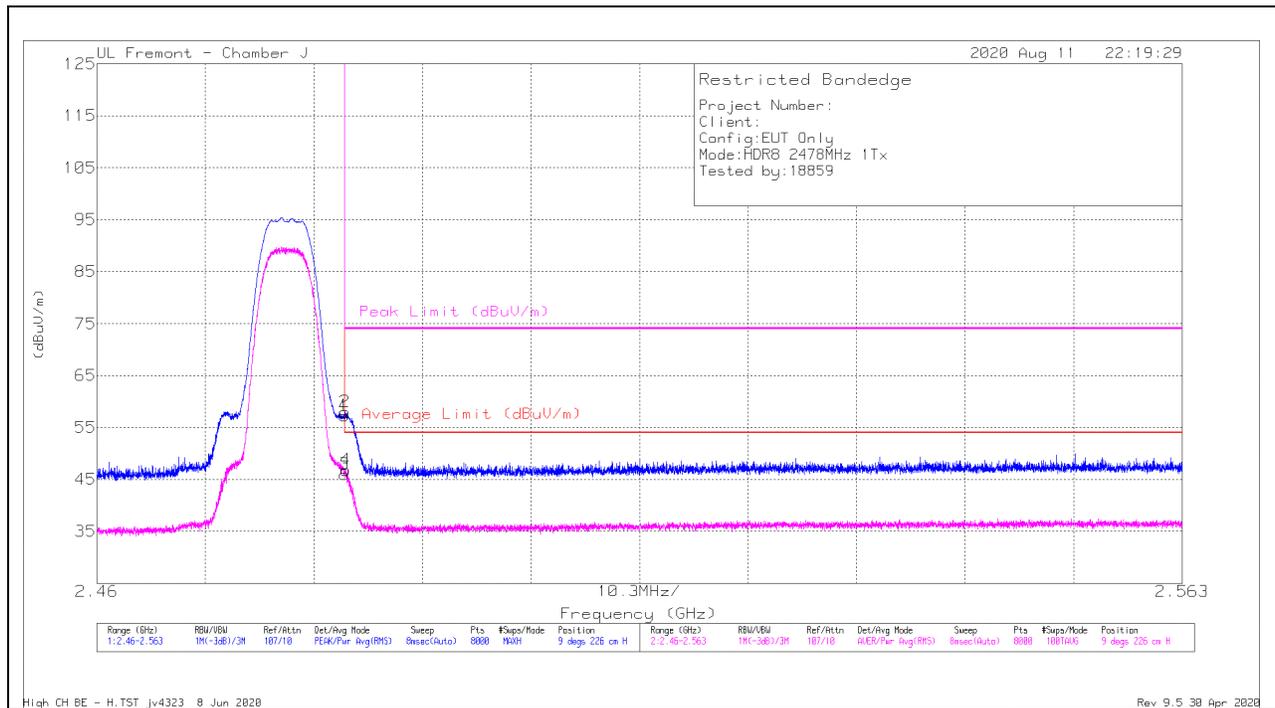


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T963 (dB/m) | Amp/Cb/Filt/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 30.65                | Pk  | 29             | -14.7                 | 44.95                      | -                      | -           | 74                  | -29.05         | 244            | 294         | V        |
| 2      | * 2.34185       | 33.64                | Pk  | 28.9           | -14.9                 | 47.64                      | -                      | -           | 74                  | -26.36         | 244            | 294         | V        |
| 3      | * 2.39          | 19.68                | RMS | 29             | -14.7                 | 33.98                      | 54                     | -20.02      | -                   | -              | 244            | 294         | V        |
| 4      | * 2.38211       | 21.35                | RMS | 29             | -14.7                 | 35.65                      | 54                     | -18.35      | -                   | -              | 244            | 294         | V        |

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

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



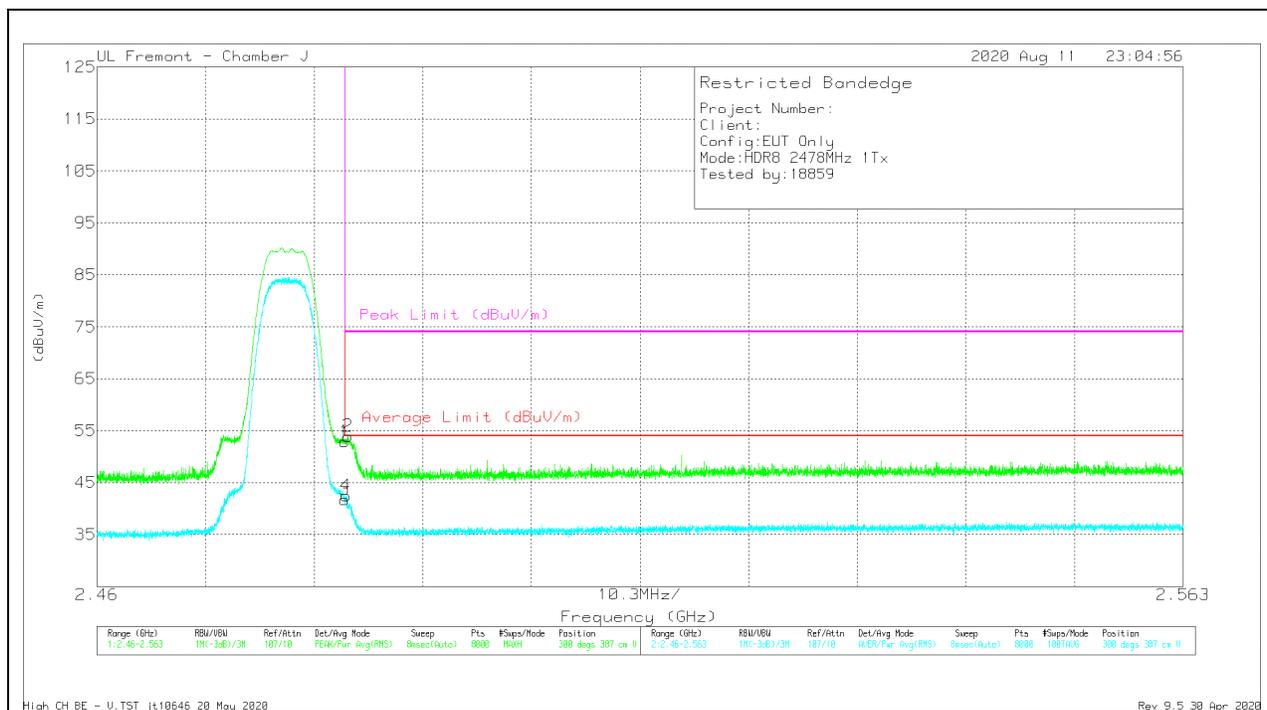
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T963 (dB/m) | Amp/Cbl/FitriPa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.4835        | 42.32                | Pk  | 29.5           | -14.6                  | 57.22                      | -                      | -           | 74                  | -16.78         | 9              | 226         | H        |
| 2      | * 2.48353       | 43.03                | Pk  | 29.5           | -14.6                  | 57.93                      | -                      | -           | 74                  | -16.07         | 9              | 226         | H        |
| 3      | * 2.4835        | 31.1                 | RMS | 29.5           | -14.6                  | 46                         | 54                     | -8          | -                   | -              | 9              | 226         | H        |
| 4      | * 2.48362       | 31.96                | RMS | 29.5           | -14.6                  | 46.86                      | 54                     | -7.14       | -                   | -              | 9              | 226         | H        |

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



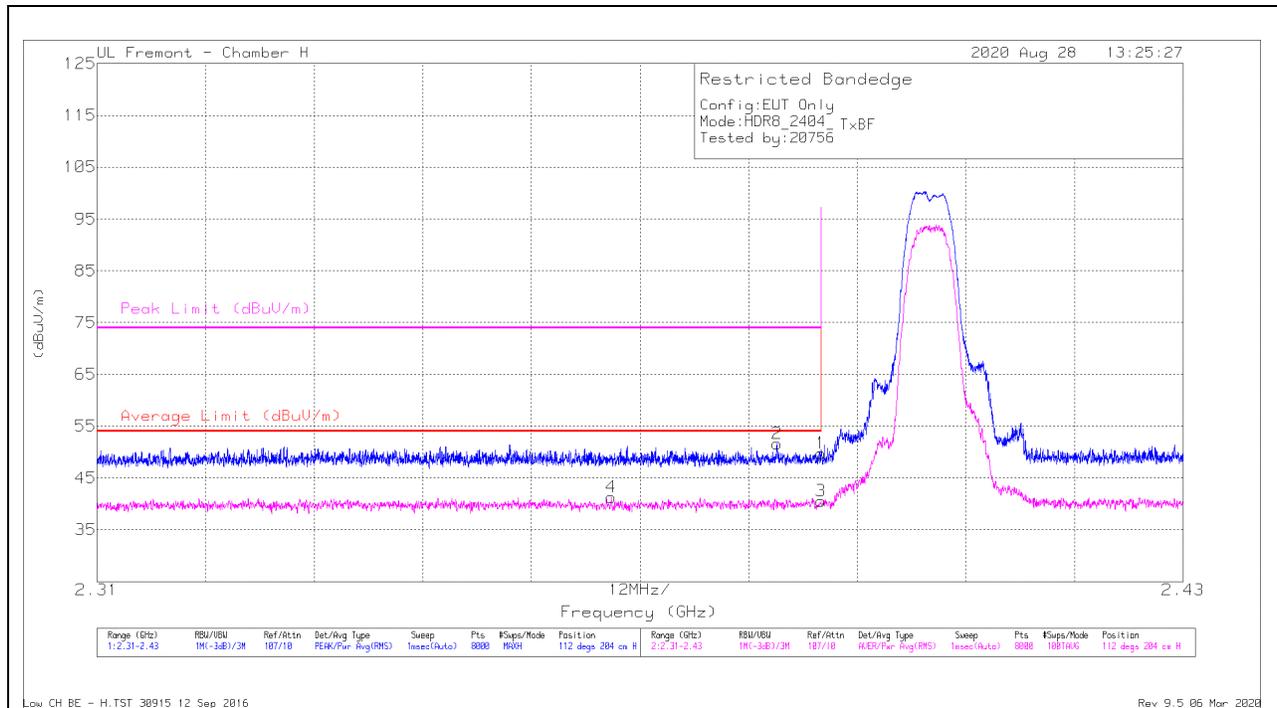
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T963 (dB/m) | Amp/Cb/Filt/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.4835        | 37.97                | Pk  | 29.5           | -14.6                 | 52.87                      | -                      | -           | 74                  | -21.13         | 300            | 387         | V        |
| 2      | * 2.48378       | 39.05                | Pk  | 29.5           | -14.6                 | 53.95                      | -                      | -           | 74                  | -20.05         | 300            | 387         | V        |
| 3      | * 2.4835        | 26.78                | RMS | 29.5           | -14.6                 | 41.68                      | 54                     | -12.32      | -                   | -              | 300            | 387         | V        |
| 4      | * 2.4836        | 27.59                | RMS | 29.5           | -14.6                 | 42.49                      | 54                     | -11.51      | -                   | -              | 300            | 387         | V        |

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

**10.2.8. LOW POWER HDR TXBF (HDR8)**

**BANDEDGE (LOW CHANNEL)**

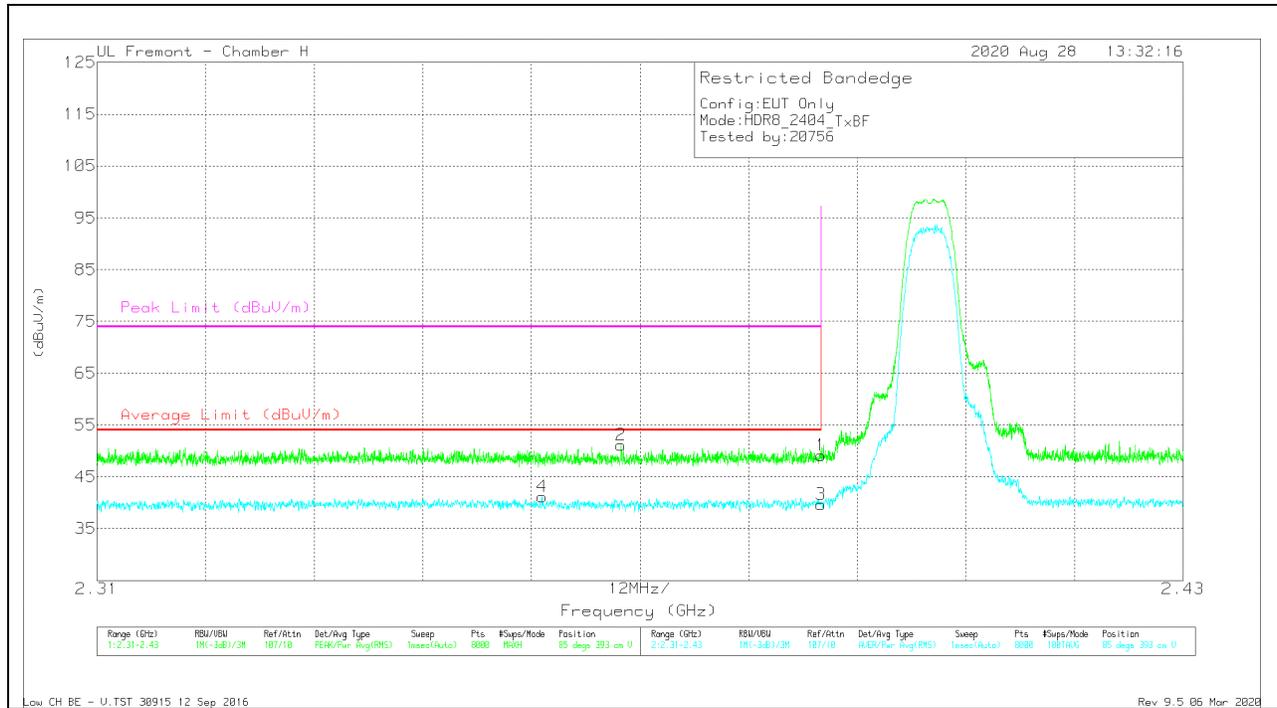
**HORIZONTAL RESULT**



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T862 (dB/m) | Amp/Cbl/Fitr/Paid (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 4      | * 2.36683       | 33.45                | RMS | 31.7           | -23.9                  | 41.25                      | 54                     | -12.75      | -                   | -              | 112            | 204         | H        |
| 2      | * 2.38513       | 43.61                | Pk  | 31.8           | -23.8                  | 51.61                      | -                      | -           | 74                  | -22.39         | 112            | 204         | H        |
| 1      | * 2.38999       | 41.8                 | Pk  | 31.8           | -23.8                  | 49.8                       | -                      | -           | 74                  | -24.2          | 112            | 204         | H        |
| 3      | * 2.38999       | 32.5                 | RMS | 31.8           | -23.8                  | 40.5                       | 54                     | -13.5       | -                   | -              | 112            | 204         | H        |

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

### VERTICAL RESULT

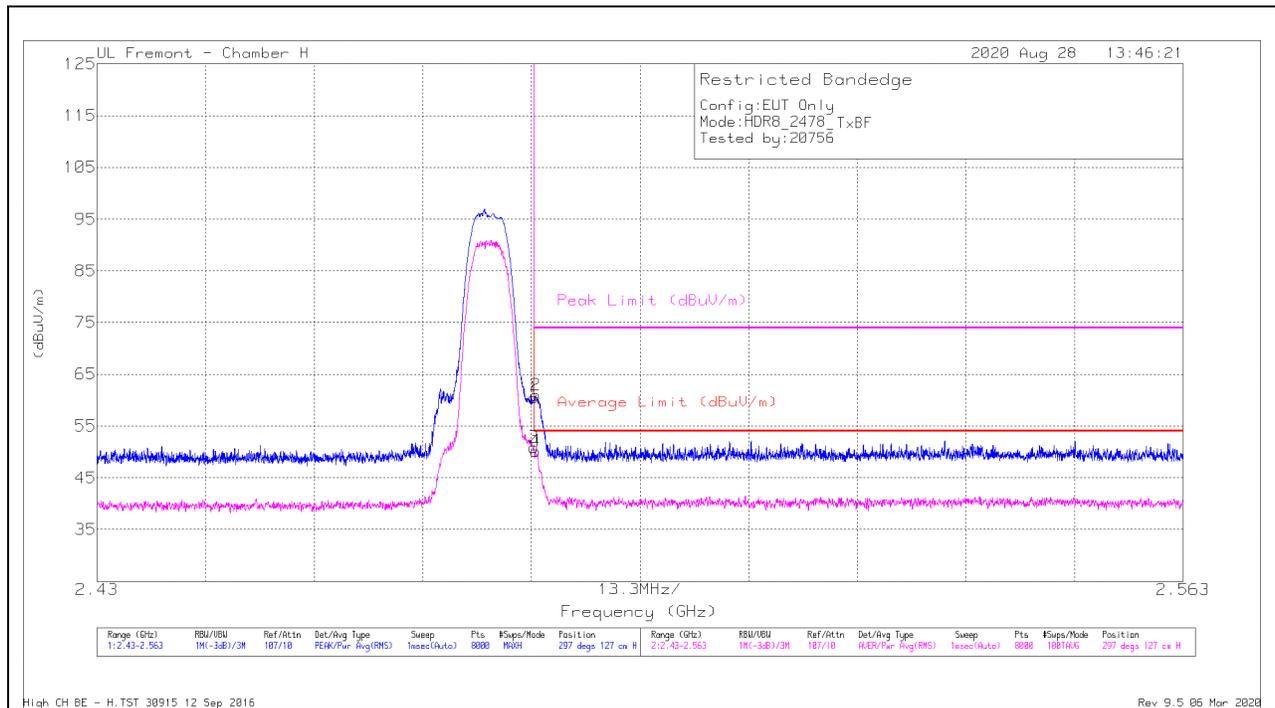


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T862 (dB/m) | Amp/Cb/Filt/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.38999       | 41.13                | Pk  | 31.8           | -23.8                | 49.13                      | -                      | -           | 74                  | -24.87         | 85             | 393         | V        |
| 2      | * 2.36791       | 43.21                | Pk  | 31.7           | -23.8                | 51.11                      | -                      | -           | 74                  | -22.89         | 85             | 393         | V        |
| 3      | * 2.38999       | 31.71                | RMS | 31.8           | -23.8                | 39.71                      | 54                     | -14.29      | -                   | -              | 85             | 393         | V        |
| 4      | * 2.35916       | 33.24                | RMS | 31.8           | -23.9                | 41.14                      | 54                     | -12.86      | -                   | -              | 85             | 393         | V        |

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

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



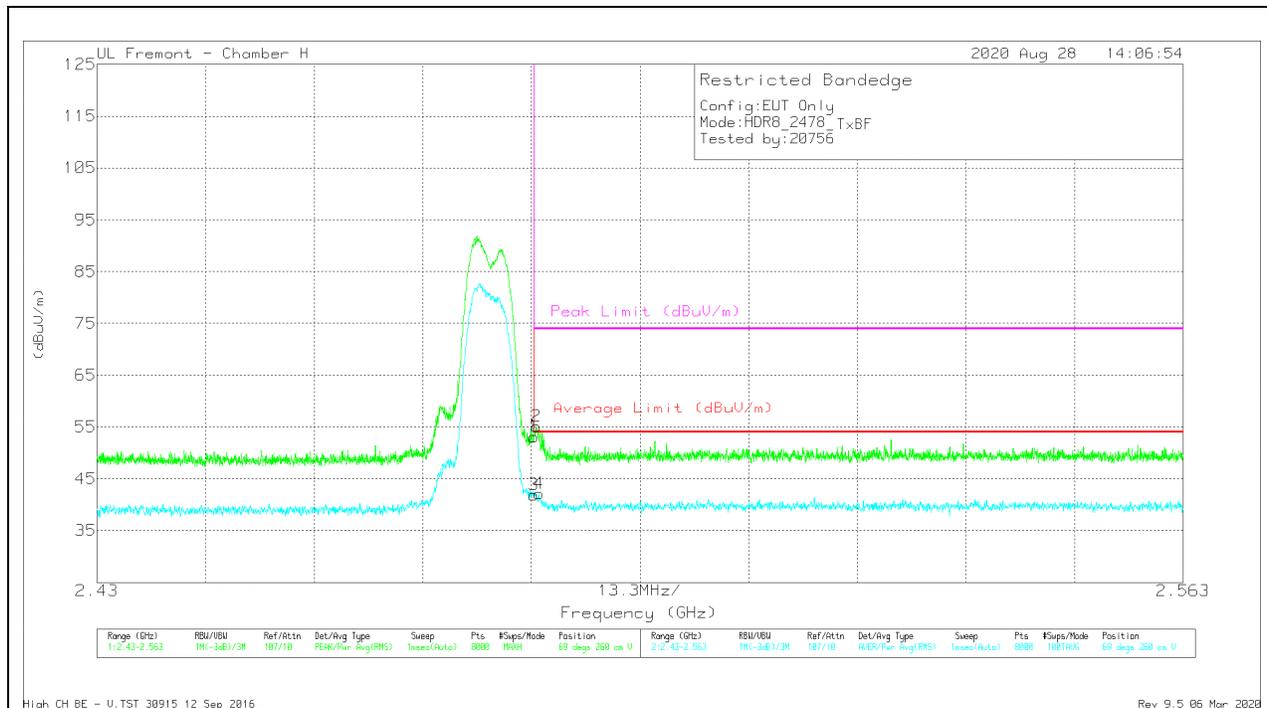
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T862 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 51.84                | Pk  | 32.3           | -23.7                 | 60.44                      | -                      | -           | 74                  | -13.56         | 297            | 127         | H        |
| 2      | * 2.48371       | 52.38                | Pk  | 32.3           | -23.7                 | 60.98                      | -                      | -           | 74                  | -13.02         | 297            | 127         | H        |
| 3      | * 2.48351       | 42.27                | RMS | 32.3           | -23.7                 | 50.87                      | 54                     | -3.13       | -                   | -              | 297            | 127         | H        |
| 4      | * 2.48371       | 41.52                | RMS | 32.3           | -23.7                 | 50.12                      | 54                     | -3.88       | -                   | -              | 297            | 127         | H        |

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT

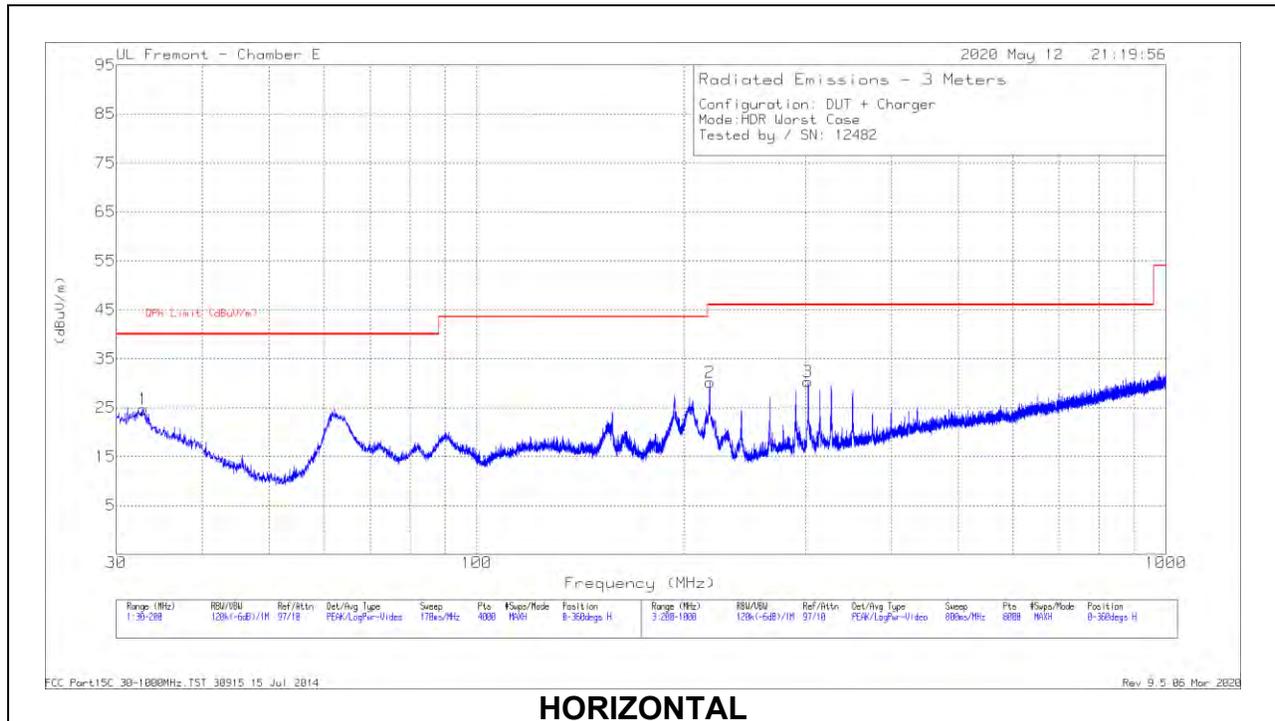


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T862 (dB/m) | Amp/Cb/Filt/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 44.53                | Pk  | 32.3           | -23.7                 | 53.13                      | -                      | -           | 74                  | -20.87         | 69             | 260         | V        |
| 2      | * 2.48379       | 46.54                | Pk  | 32.3           | -23.7                 | 55.14                      | -                      | -           | 74                  | -18.86         | 69             | 260         | V        |
| 3      | * 2.48351       | 33.25                | RMS | 32.3           | -23.7                 | 41.85                      | 54                     | -12.15      | -                   | -              | 69             | 260         | V        |
| 4      | * 2.4841        | 33.52                | RMS | 32.3           | -23.7                 | 42.12                      | 54                     | -11.88      | -                   | -              | 69             | 260         | V        |

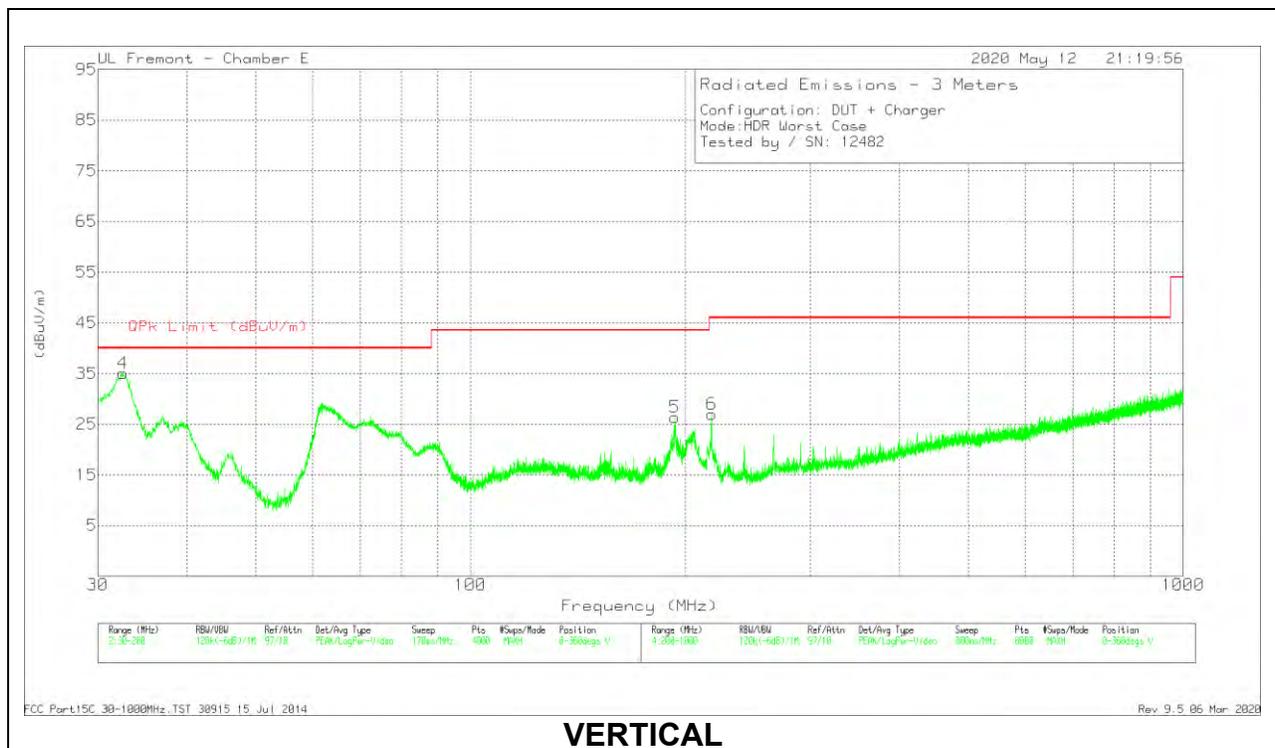
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector

### 10.3. WORST CASE BELOW 1 GHz

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



**HORIZONTAL**



**VERTICAL**

**Below 1GHz Data**

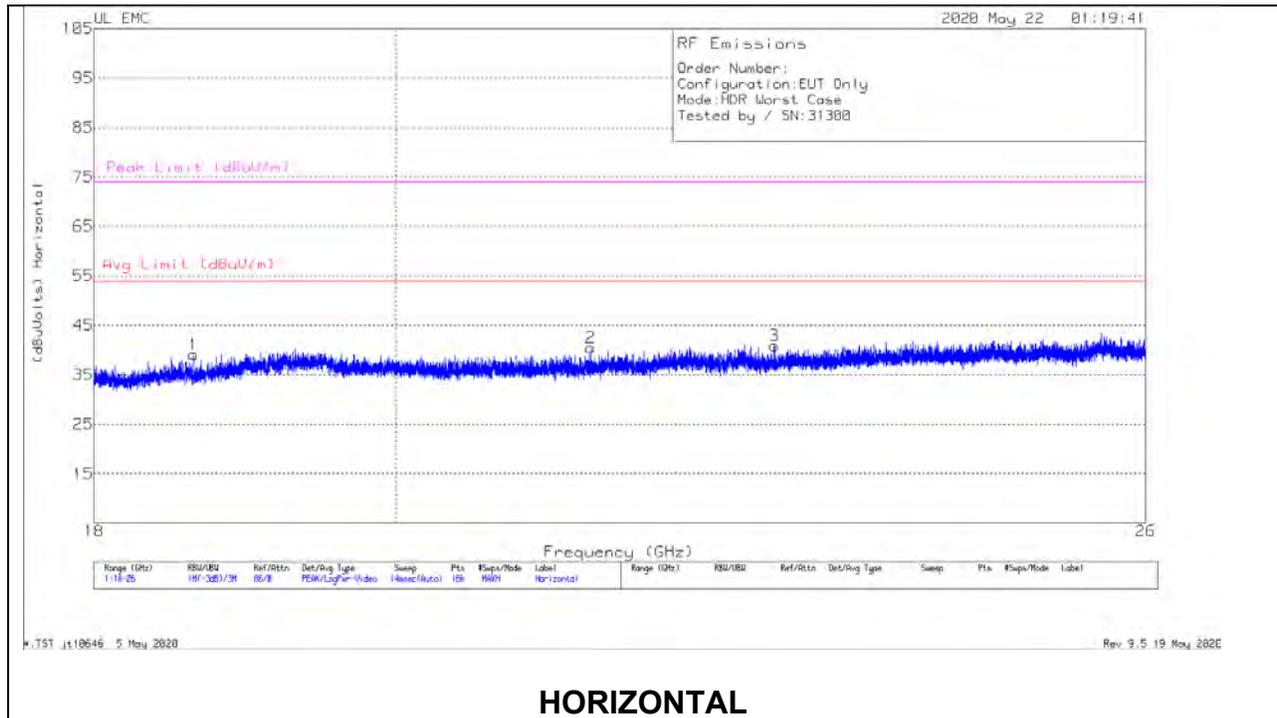
| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF T130 (dB/m) | Amp/Cbl (dB) | Corrected Reading (dBuV/m) | QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|--------------|----------------------------|--------------------|-------------|----------------|-------------|----------|
| 4      | 32.6032         | 37.78                | Qp  | 25             | -31.5        | 31.28                      | 40                 | -8.72       | 39             | 113         | V        |
|        | 32.8592         | 41.64                | Pk  | 24.7           | -31.6        | 34.74                      | 40                 | -5.26       | 39             | 113         | V        |
| 1      | 32.8057         | 31.52                | Pk  | 24.8           | -31.6        | 24.72                      | 40                 | -15.28      | 0-360          | 201         | H        |
| 5      | 193.7099        | 38.51                | Pk  | 17.8           | -30          | 26.31                      | 43.52              | -17.21      | 0-360          | 100         | V        |
| 2      | 217.9023        | 43.49                | Pk  | 16.5           | -29.8        | 30.19                      | 46.02              | -15.83      | 0-360          | 99          | H        |
| 6      | 218.0023        | 40.28                | Pk  | 16.5           | -29.8        | 26.98                      | 46.02              | -19.04      | 0-360          | 99          | V        |
| 3      | 302.6133        | 40.26                | Pk  | 19.3           | -29.3        | 30.26                      | 46.02              | -15.76      | 0-360          | 99          | H        |

Pk - Peak detector

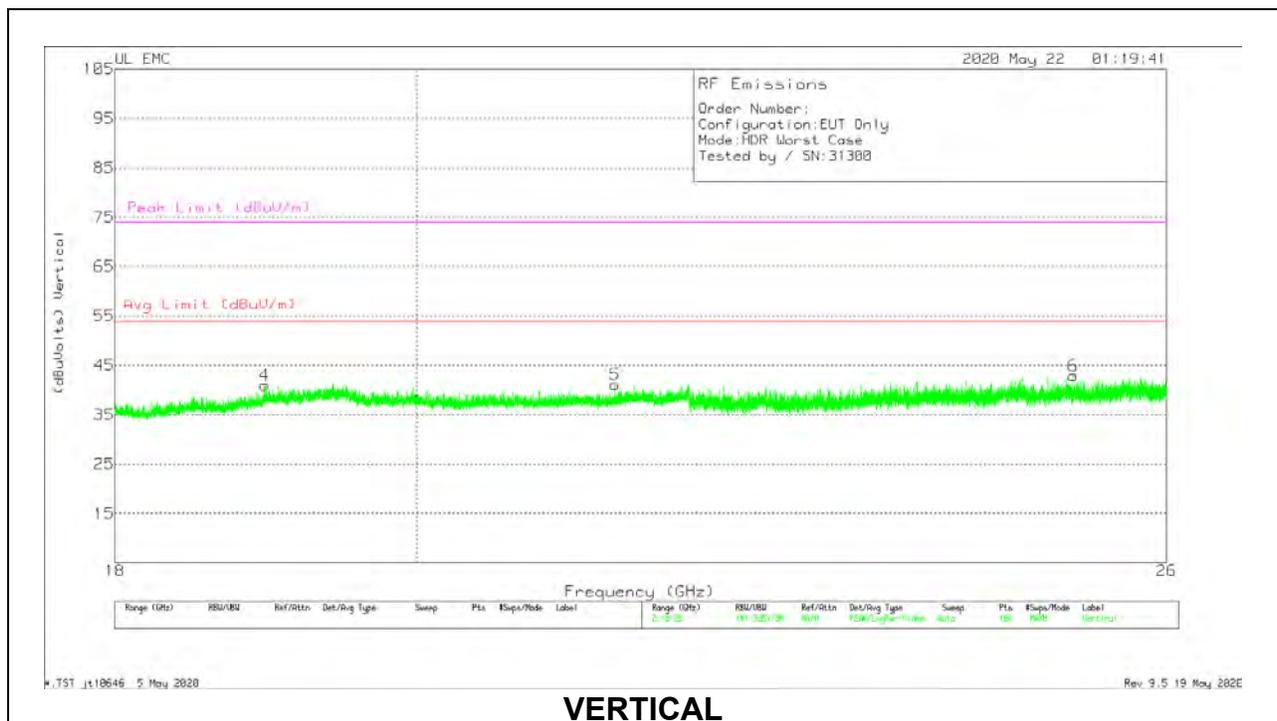
Qp - Quasi-Peak detector

### 10.4. WORST CASE 18-26 GHz

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



**HORIZONTAL**



**VERTICAL**

**18 – 26GHz DATA**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | T125 AF (dB/m) | Amp/Cbl (dB) | Dist Corr (dB) | Corrected Reading (dBuVolts) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) |
|--------|-----------------|----------------------|-----|----------------|--------------|----------------|------------------------------|--------------------|-------------|---------------------|----------------|
| 1      | 18.63846        | 37.3                 | Pk  | 32.5           | -21.2        | -9.5           | 39.1                         | 54                 | -14.9       | 74                  | -34.9          |
| 2      | 21.41179        | 37.98                | Pk  | 33.2           | -21.2        | -9.5           | 40.48                        | 54                 | -13.52      | 74                  | -33.52         |
| 3      | 22.8337         | 37.48                | Pk  | 33.5           | -20.6        | -9.5           | 40.88                        | 54                 | -13.12      | 74                  | -33.12         |
| 4      | 18.96644        | 37.69                | Pk  | 32.7           | -19.9        | -9.5           | 40.99                        | 54                 | -13.01      | 74                  | -33.01         |
| 5      | 21.43779        | 38.69                | Pk  | 33.2           | -21.3        | -9.5           | 41.09                        | 54                 | -12.91      | 74                  | -32.91         |
| 6      | 25.16506        | 37.6                 | Pk  | 34.2           | -19.4        | -9.5           | 42.9                         | 54                 | -11.1       | 74                  | -31.1          |

Pk - Peak detector

**11. AC POWER LINE CONDUCTED EMISSIONS****LIMITS**

FCC §15.207 (a)

RSS-Gen 8.8

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

\* Decreases with the logarithm of the frequency.

**TEST PROCEDURE**

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

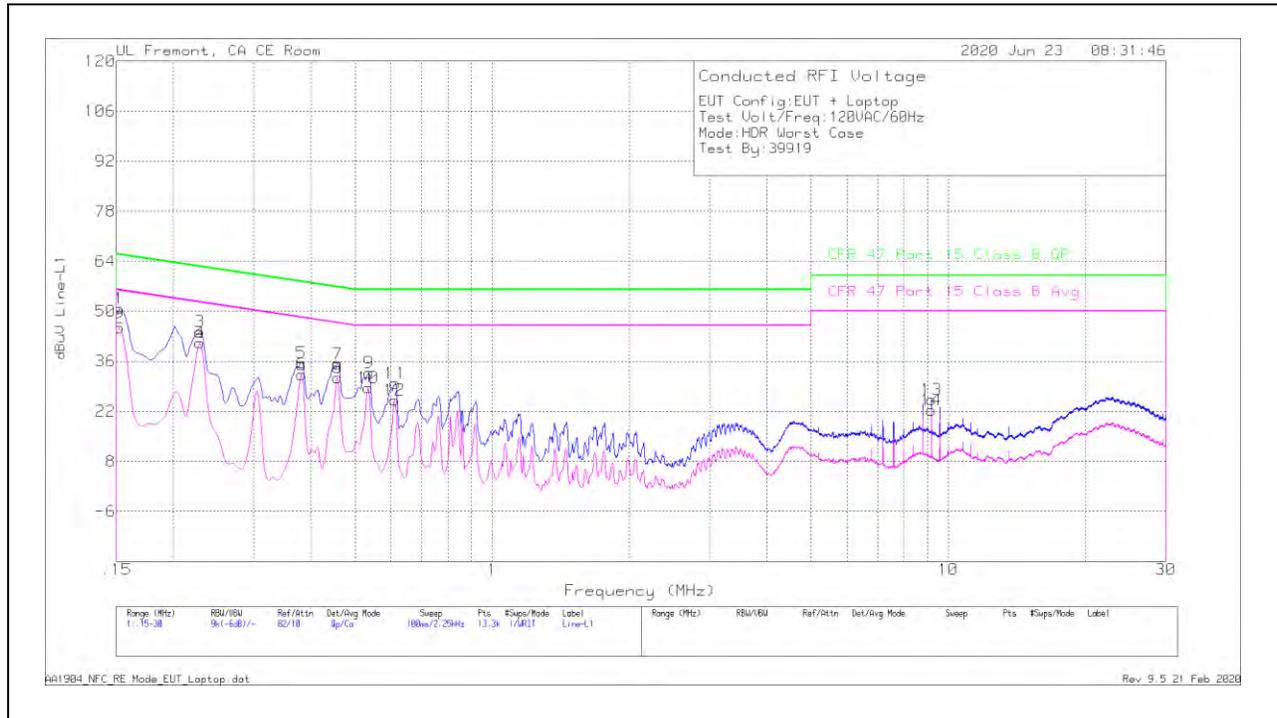
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

**RESULTS**

### 11.1. AC Power Line With Laptop

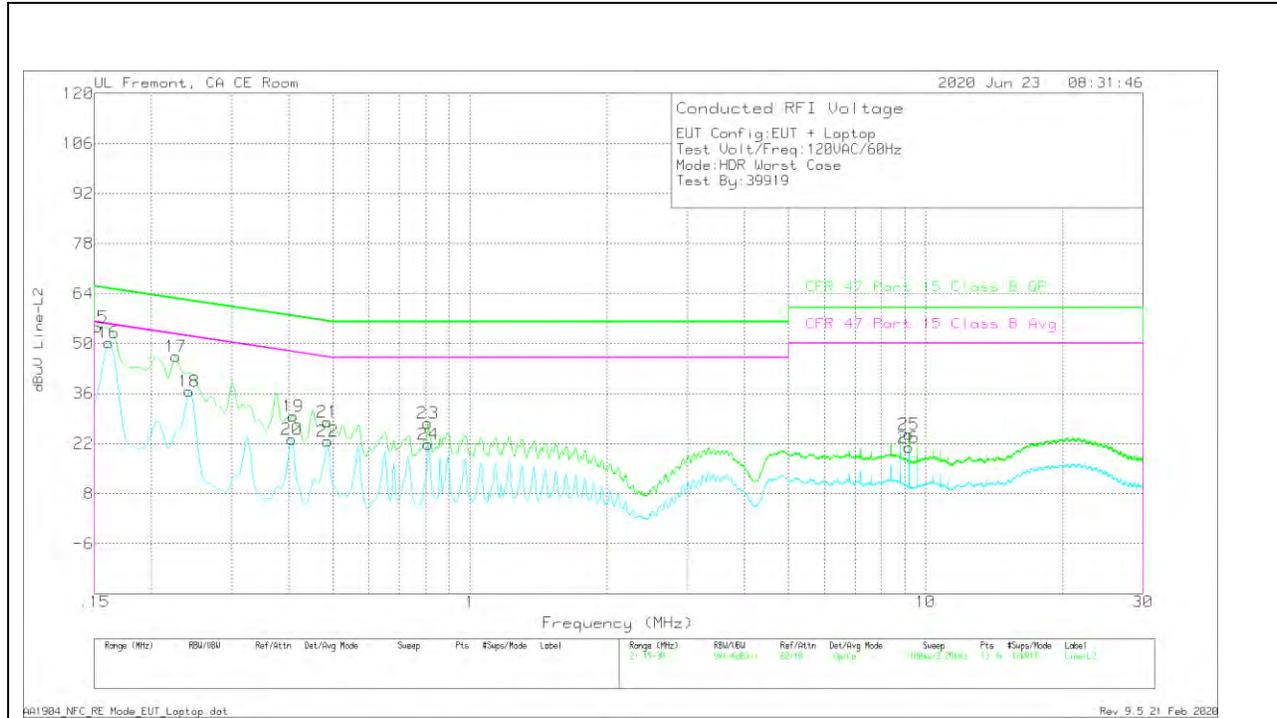
#### LINE 1 RESULTS



| Range 1: Line-L1 .15 - 30MHz |                 |                      |     |                     |                 |              |                        |                           |                |                            |                       |
|------------------------------|-----------------|----------------------|-----|---------------------|-----------------|--------------|------------------------|---------------------------|----------------|----------------------------|-----------------------|
| Marker                       | Frequency (MHz) | Meter Reading (dBuV) | Det | PRE018644 6 LISN L1 | LC Cables C1&C3 | Limiter (dB) | Corrected Reading dBuV | CFR 47 Part 15 Class B QP | QP Margin (dB) | CFR 47 Part 15 Class B Avg | Av(CISPR)M argin (dB) |
| 1                            | .15225          | 40.63                | Qp  | .1                  | 0               | 10           | 50.73                  | 65.88                     | -15.15         | -                          | -                     |
| 2                            | .15225          | 35.26                | Ca  | .1                  | 0               | 10           | 45.36                  | -                         | -              | 55.88                      | -10.52                |
| 3                            | .22875          | 34.24                | Qp  | 0                   | 0               | 10           | 44.24                  | 62.49                     | -18.25         | -                          | -                     |
| 4                            | .22875          | 31.22                | Ca  | 0                   | 0               | 10           | 41.22                  | -                         | -              | 52.49                      | -11.27                |
| 5                            | .38175          | 25.63                | Qp  | 0                   | 0               | 10           | 35.63                  | 58.24                     | -22.61         | -                          | -                     |
| 6                            | .38175          | 22.37                | Ca  | 0                   | 0               | 10           | 32.37                  | -                         | -              | 48.24                      | -15.87                |
| 7                            | .45825          | 25.29                | Qp  | 0                   | 0               | 10           | 35.29                  | 56.72                     | -21.43         | -                          | -                     |
| 8                            | .45825          | 21.48                | Ca  | 0                   | 0               | 10           | 31.48                  | -                         | -              | 46.72                      | -15.24                |
| 9                            | .537            | 22.77                | Qp  | 0                   | 0               | 10           | 32.77                  | 56                        | -23.23         | -                          | -                     |
| 10                           | .53475          | 18.67                | Ca  | 0                   | 0               | 10           | 28.67                  | -                         | -              | 46                         | -17.33                |
| 11                           | .6135           | 19.92                | Qp  | 0                   | 0               | 10           | 29.92                  | 56                        | -26.08         | -                          | -                     |
| 12                           | .61125          | 15.12                | Ca  | 0                   | 0               | 10           | 25.12                  | -                         | -              | 46                         | -20.88                |
| 13                           | 9.18825         | 15.05                | Qp  | 0                   | .2              | 10.1         | 25.35                  | 60                        | -34.65         | -                          | -                     |
| 14                           | 9.18825         | 11.99                | Ca  | 0                   | .2              | 10.1         | 22.29                  | -                         | -              | 50                         | -27.71                |

Qp - Quasi-Peak detector  
 Ca - CISPR average detection

**LINE 2 RESULTS**

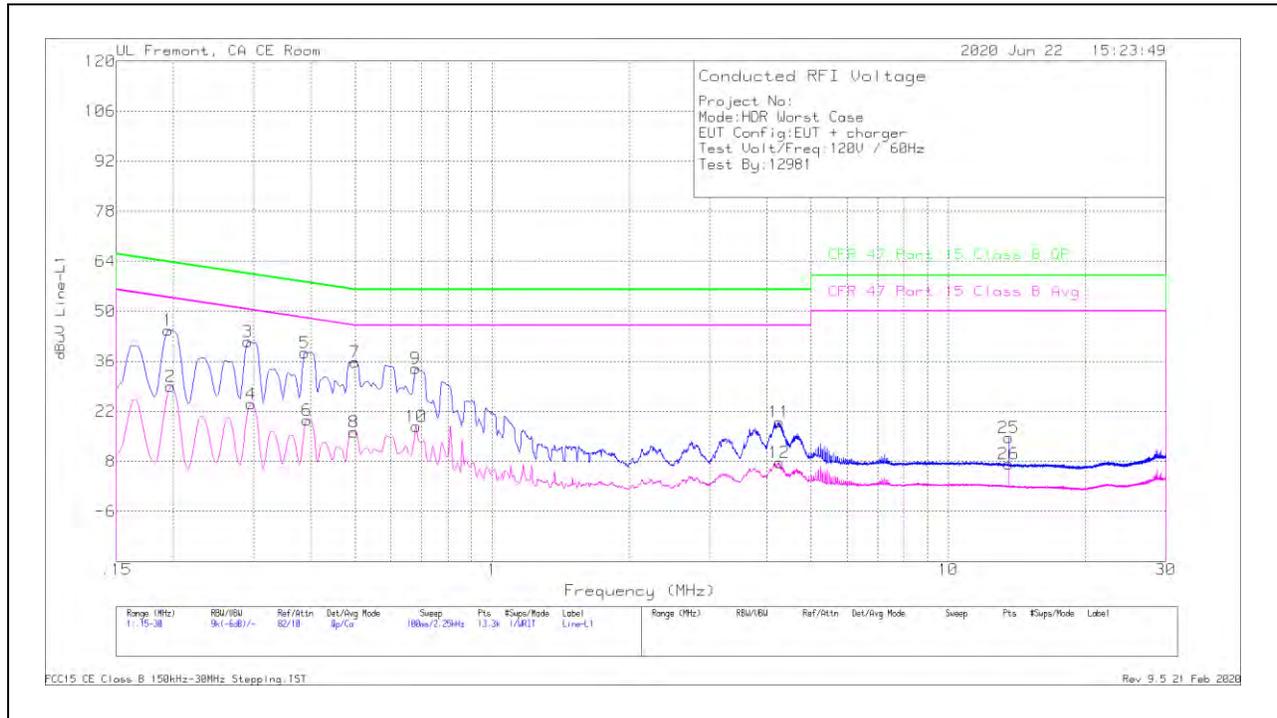


| Range 2: Line-L2 .15 - 30MHz |                 |                      |     |                     |                 |              |                        |                           |                |                            |                      |
|------------------------------|-----------------|----------------------|-----|---------------------|-----------------|--------------|------------------------|---------------------------|----------------|----------------------------|----------------------|
| Marker                       | Frequency (MHz) | Meter Reading (dBuV) | Det | PRE018644 6 LISN L2 | LC Cables C2&C3 | Limiter (dB) | Corrected Reading dBuV | CFR 47 Part 15 Class B QP | QP Margin (dB) | CFR 47 Part 15 Class B Avg | Av(CISPR)Margin (dB) |
| 15                           | .15225          | 44.68                | Qp  | 0                   | 0               | 10           | 54.68                  | 65.88                     | -11.2          | -                          | -                    |
| 16                           | .16125          | 40.32                | Ca  | 0                   | 0               | 10           | 50.32                  | -                         | -              | 55.4                       | -5.08                |
| 17                           | .2265           | 36.37                | Qp  | 0                   | 0               | 10           | 46.37                  | 62.58                     | -16.21         | -                          | -                    |
| 18                           | .24225          | 26.57                | Ca  | 0                   | 0               | 10           | 36.57                  | -                         | -              | 52.02                      | -15.45               |
| 19                           | .40875          | 19.71                | Qp  | 0                   | 0               | 10           | 29.71                  | 57.67                     | -27.96         | -                          | -                    |
| 20                           | .4065           | 13.16                | Ca  | 0                   | 0               | 10           | 23.16                  | -                         | -              | 47.72                      | -24.56               |
| 21                           | .48638          | 18.03                | Qp  | 0                   | 0               | 10           | 28.03                  | 56.23                     | -28.2          | -                          | -                    |
| 22                           | .4875           | 12.66                | Ca  | 0                   | 0               | 10           | 22.66                  | -                         | -              | 46.21                      | -23.55               |
| 23                           | .80925          | 17.75                | Qp  | 0                   | 0               | 10           | 27.75                  | 56                        | -28.25         | -                          | -                    |
| 24                           | .8115           | 11.86                | Ca  | 0                   | 0               | 10           | 21.86                  | -                         | -              | 46                         | -24.14               |
| 25                           | 9.19275         | 14.37                | Qp  | 0                   | .2              | 10.1         | 24.67                  | 60                        | -35.33         | -                          | -                    |
| 26                           | 9.19275         | 10.66                | Ca  | 0                   | .2              | 10.1         | 20.96                  | -                         | -              | 50                         | -29.04               |

Qp - Quasi-Peak detector  
 Ca - CISPR average detection

## 11.2. AC Power Line With AC/DC Adapter

### LINE 1 RESULTS



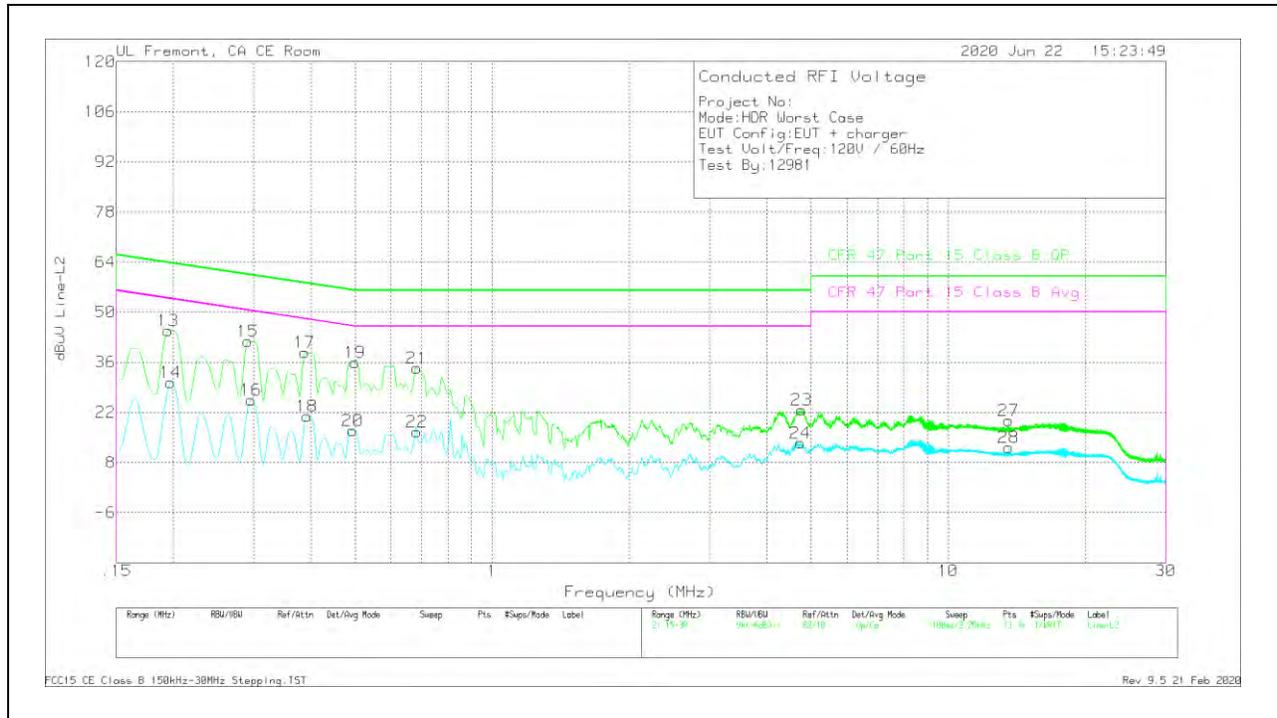
| Range 1: Line-L1 .15 - 30MHz |                 |                      |     |                     |                 |              |                        |                           |                |                            |                       |
|------------------------------|-----------------|----------------------|-----|---------------------|-----------------|--------------|------------------------|---------------------------|----------------|----------------------------|-----------------------|
| Marker                       | Frequency (MHz) | Meter Reading (dBuV) | Det | PRE018644 6 LISN L1 | LC Cables C1&C3 | Limiter (dB) | Corrected Reading dBuV | CFR 47 Part 15 Class B QP | QP Margin (dB) | CFR 47 Part 15 Class B Avg | Av(CISPR)M argin (dB) |
| 1                            | .195            | 34.67                | Qp  | 0                   | 0               | 10           | 44.67                  | 63.82                     | -19.15         | -                          | -                     |
| 2                            | .19725          | 18.98                | Ca  | 0                   | 0               | 10           | 28.98                  | -                         | -              | 53.73                      | -24.75                |
| 3                            | .29175          | 31.48                | Qp  | 0                   | 0               | 10           | 41.48                  | 60.47                     | -18.99         | -                          | -                     |
| 4                            | .29625          | 14.07                | Ca  | 0                   | 0               | 10           | 24.07                  | -                         | -              | 50.35                      | -26.28                |
| 5                            | .3885           | 28.42                | Qp  | 0                   | 0               | 10           | 38.42                  | 58.1                      | -19.68         | -                          | -                     |
| 6                            | .393            | 9.62                 | Ca  | 0                   | 0               | 10           | 19.62                  | -                         | -              | 48                         | -28.38                |
| 7                            | .501            | 25.79                | Qp  | 0                   | 0               | 10           | 35.79                  | 56                        | -20.21         | -                          | -                     |
| 8                            | .49763          | 6.17                 | Ca  | 0                   | 0               | 10           | 16.17                  | -                         | -              | 46.04                      | -29.87                |
| 9                            | .67875          | 24.09                | Qp  | 0                   | 0               | 10           | 34.09                  | 56                        | -21.91         | -                          | -                     |
| 10                           | .681            | 7.84                 | Ca  | 0                   | 0               | 10           | 17.84                  | -                         | -              | 46                         | -28.16                |
| 11                           | 4.25625         | 8.81                 | Qp  | 0                   | .1              | 10.1         | 19.01                  | 56                        | -36.99         | -                          | -                     |
| 12                           | 4.254           | -2.47                | Ca  | 0                   | .1              | 10.1         | 7.73                   | -                         | -              | 46                         | -38.27                |
| *25                          | 13.56           | 4.27                 | Qp  | .1                  | .2              | 10.1         | 14.67                  | 60                        | -45.33         | -                          | -                     |
| *26                          | 13.56           | -3.07                | Ca  | .1                  | .2              | 10.1         | 7.33                   | -                         | -              | 50                         | -42.67                |

Qp - Quasi-Peak detector

Ca - CISPR average detection

\*Indicates UL RFID signal. Not from device.

**LINE 2 RESULTS**



| Range 2: Line-L2 .15 - 30MHz |                 |                      |     |                     |                 |              |                        |                           |                |                            |                      |
|------------------------------|-----------------|----------------------|-----|---------------------|-----------------|--------------|------------------------|---------------------------|----------------|----------------------------|----------------------|
| Marker                       | Frequency (MHz) | Meter Reading (dBuV) | Det | PRE018644 6 LISN L2 | LC Cables C2&C3 | Limiter (dB) | Corrected Reading dBuV | CFR 47 Part 15 Class B QP | QP Margin (dB) | CFR 47 Part 15 Class B Avg | Av(CISPR)Margin (dB) |
| 13                           | .195            | 34.87                | Qp  | 0                   | 0               | 10           | 44.87                  | 63.82                     | -18.95         | -                          | -                    |
| 14                           | .19725          | 20.34                | Ca  | 0                   | 0               | 10           | 30.34                  | -                         | -              | 53.73                      | -23.39               |
| 15                           | .29175          | 31.88                | Qp  | 0                   | 0               | 10           | 41.88                  | 60.47                     | -18.59         | -                          | -                    |
| 16                           | .29625          | 15.46                | Ca  | 0                   | 0               | 10           | 25.46                  | -                         | -              | 50.35                      | -24.89               |
| 17                           | .3885           | 28.79                | Qp  | 0                   | 0               | 10           | 38.79                  | 58.1                      | -19.31         | -                          | -                    |
| 18                           | .393            | 10.92                | Ca  | 0                   | 0               | 10           | 20.92                  | -                         | -              | 48                         | -27.08               |
| 19                           | .501            | 25.97                | Qp  | 0                   | 0               | 10           | 35.97                  | 56                        | -20.03         | -                          | -                    |
| 20                           | .49425          | 6.98                 | Ca  | 0                   | 0               | 10           | 16.98                  | -                         | -              | 46.1                       | -29.12               |
| 21                           | .68325          | 24.31                | Qp  | 0                   | 0               | 10           | 34.31                  | 56                        | -21.69         | -                          | -                    |
| 22                           | .68325          | 6.62                 | Ca  | 0                   | 0               | 10           | 16.62                  | -                         | -              | 46                         | -29.38               |
| 23                           | 4.776           | 12.42                | Qp  | 0                   | .1              | 10.1         | 22.62                  | 56                        | -33.38         | -                          | -                    |
| 24                           | 4.7445          | 3.16                 | Ca  | 0                   | .1              | 10.1         | 13.36                  | -                         | -              | 46                         | -32.64               |
| *27                          | 13.56           | 9.27                 | Qp  | .1                  | .2              | 10.1         | 19.67                  | 60                        | -40.33         | -                          | -                    |
| *28                          | 13.56           | 1.89                 | Ca  | .1                  | .2              | 10.1         | 12.29                  | -                         | -              | 50                         | -37.71               |

Qp - Quasi-Peak detector  
 Ca - CISPR average detection  
 \*Indicates UL RFID signal. Not from device.

## **12. SETUP PHOTOS**

Please refer to 13335182-EP1V1 for setup photos

**END OF TEST REPORT**