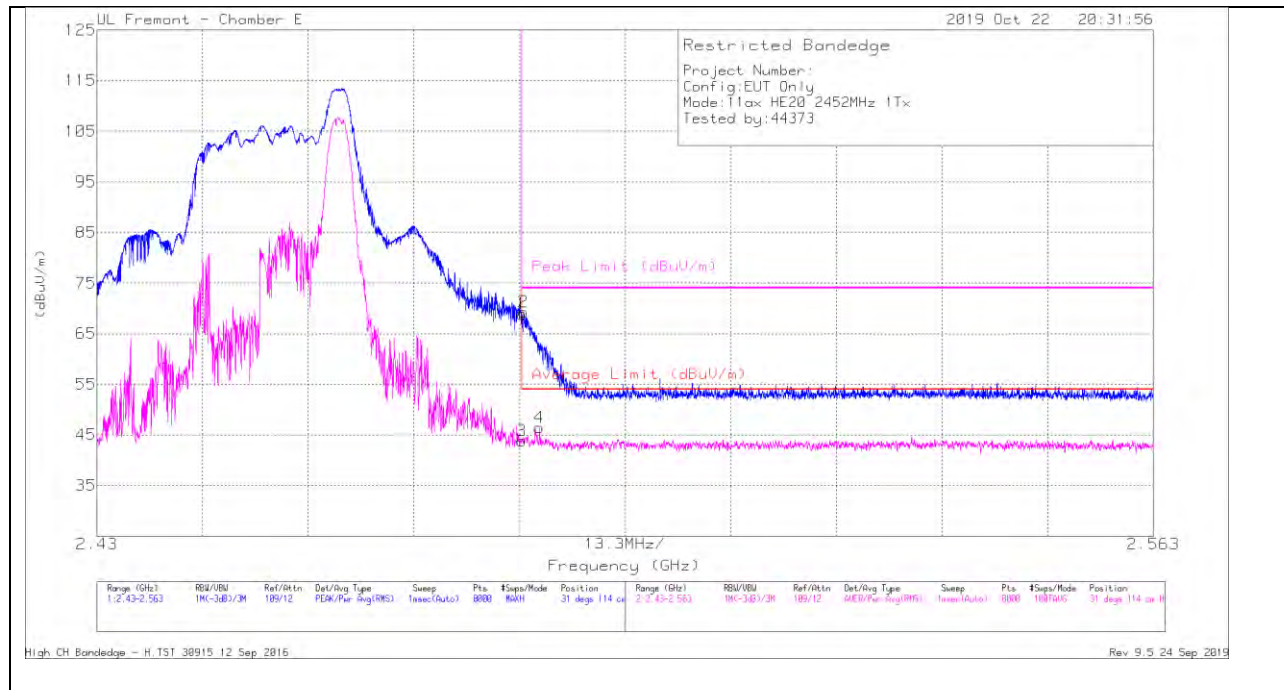


**BANEDGE (HIGH CHANNEL, CH 9)****HORIZONTAL RESULT**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (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       | 54.17                | Pk  | 32.8           | -18                   | 68.97                      | -                      | -           | 74                  | -5.03          | 31             | 114         | H        |
| 2      | * 2.48369       | 54.51                | Pk  | 32.8           | -18                   | 69.31                      | -                      | -           | 74                  | -4.69          | 31             | 114         | H        |
| 3      | * 2.48351       | 29.03                | RMS | 32.8           | -18                   | 43.83                      | 54                     | -10.17      | -                   | -              | 31             | 114         | H        |
| 4      | * 2.4857        | 31.61                | RMS | 32.8           | -18                   | 46.41                      | 54                     | -7.59       | -                   | -              | 31             | 114         | H        |

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

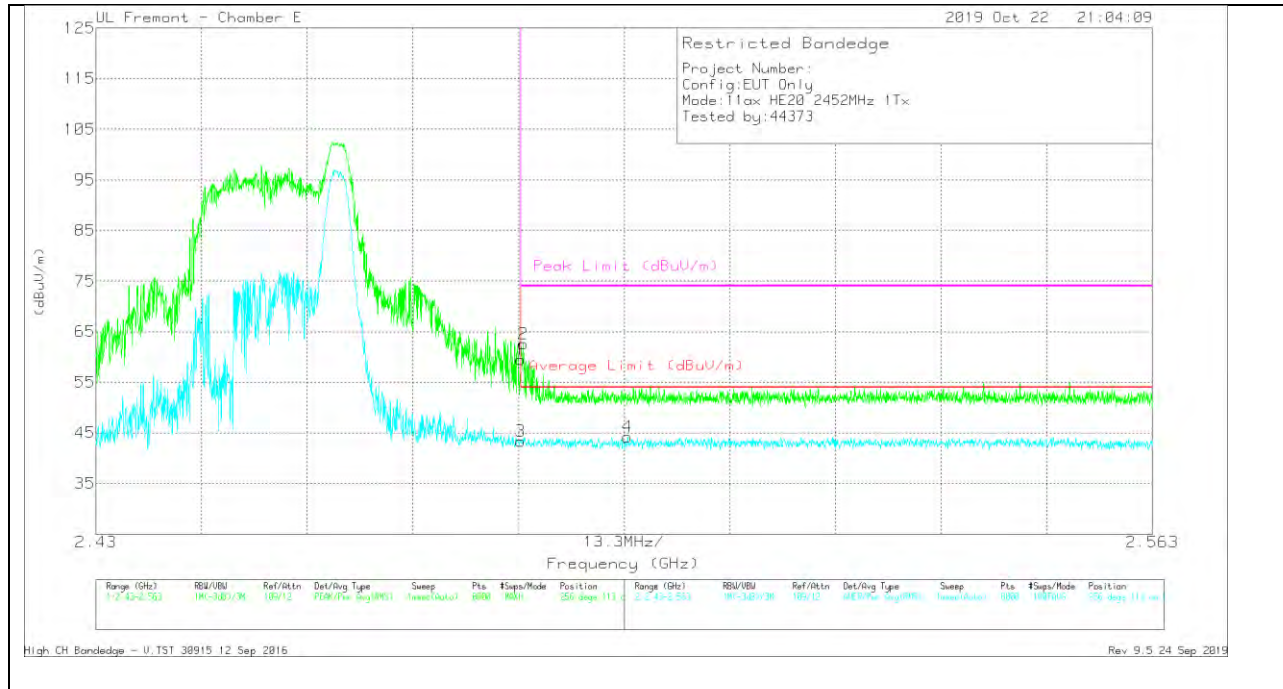
Pk - Peak detector

RMS - RMS detection

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## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (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       | 44.72                | Pk  | 32.8           | -18                   | 59.52                      | -                      | -           | 74                  | -14.48         | 256            | 113         | V        |
| 2      | * 2.48381       | 47.78                | Pk  | 32.8           | -18                   | 62.58                      | -                      | -           | 74                  | -11.42         | 256            | 113         | V        |
| 3      | * 2.48351       | 28.51                | RMS | 32.8           | -18                   | 43.31                      | 54                     | -10.69      | -                   | -              | 256            | 113         | V        |
| 4      | * 2.49696       | 29.44                | RMS | 32.9           | -18.1                 | 44.24                      | 54                     | -9.76       | -                   | -              | 256            | 113         | V        |

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

PK - Peak detector

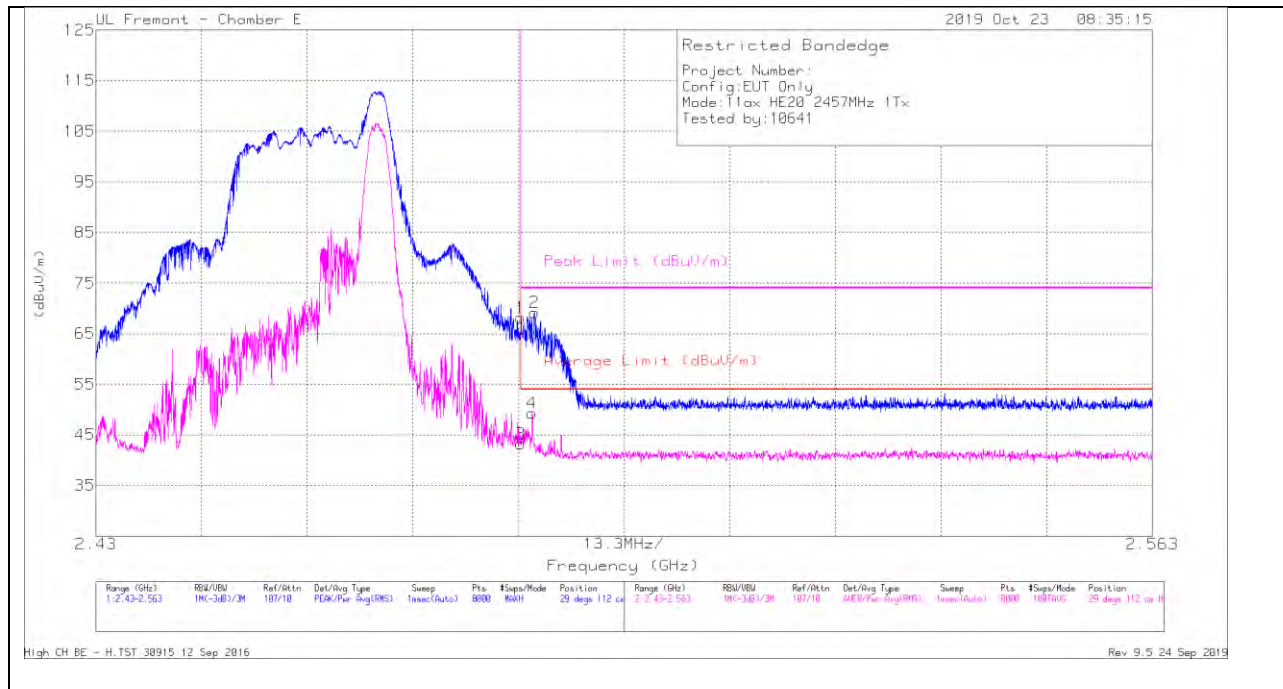
RMS - RMS detection

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## BANEDGE (HIGH CHANNEL, CH 10)

### HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 61.56                | Pk  | 32.8           | -26.2                  | 68.16                      | -                      | -           | 74                  | -5.84          | 29             | 112         | H        |
| 2      | * 2.48519       | 62.52                | PK  | 32.8           | -26.2                  | 69.12                      | -                      | -           | 74                  | -4.88          | 29             | 112         | H        |
| 3      | * 2.48351       | 36.6                 | RMS | 32.8           | -26.2                  | 43.2                       | 54                     | -10.8       | -                   | -              | 29             | 112         | H        |
| 4      | * 2.48494       | 42.66                | RMS | 32.8           | -26.2                  | 49.26                      | 54                     | -4.74       | -                   | -              | 29             | 112         | H        |

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

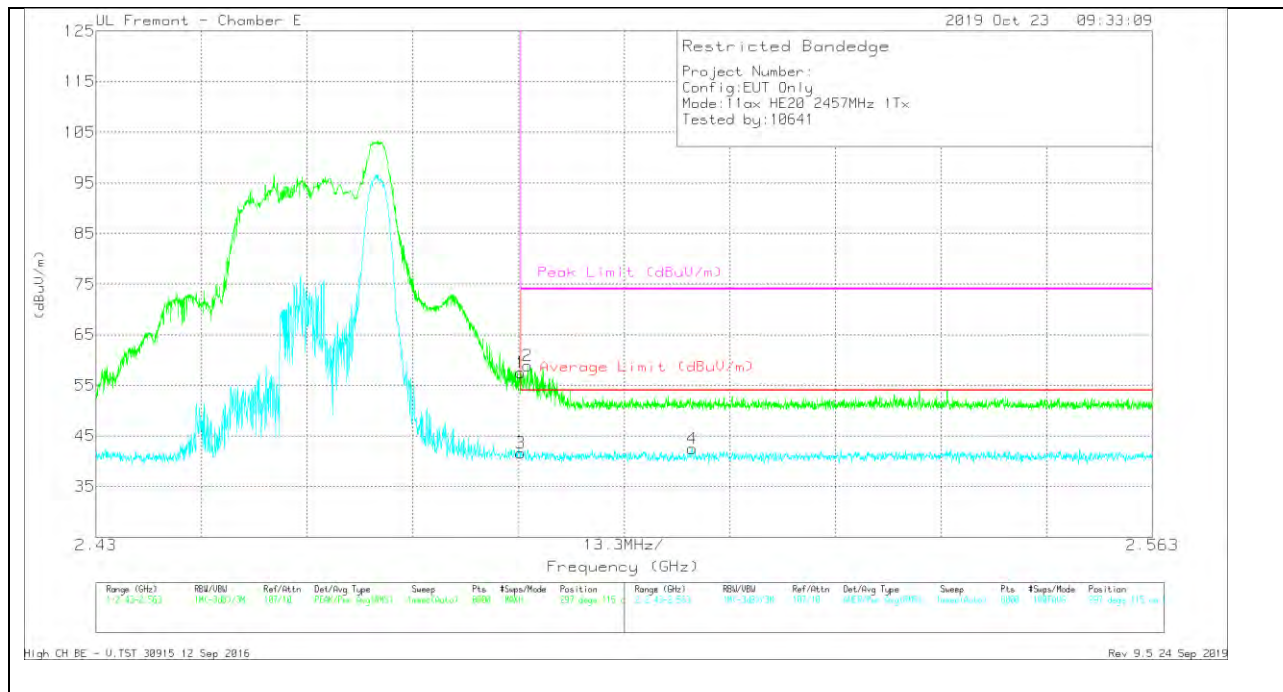
PK - Peak detector

RMS - RMS detection

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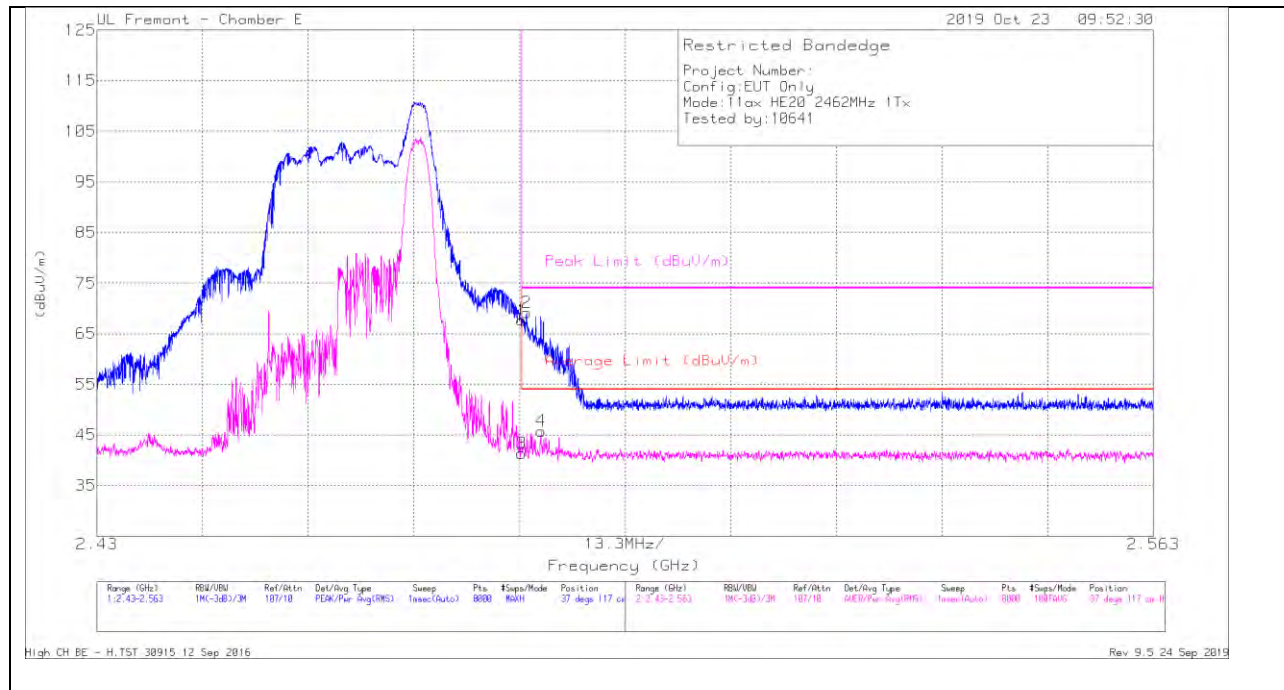
## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (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       | 50.94                | Pk  | 32.8           | -26.2                 | 57.54                      | -                      | -           | 74                  | -16.46         | 297            | 115         | V        |
| 2      | * 2.48435       | 52.21                | Pk  | 32.8           | -26.2                 | 58.81                      | -                      | -           | 74                  | -15.19         | 297            | 115         | V        |
| 3      | * 2.48351       | 35.02                | RMS | 32.8           | -26.2                 | 41.62                      | 54                     | -12.38      | -                   | -              | 297            | 115         | V        |
| 4      | 2.50504         | 35.79                | RMS | 32.9           | -26.2                 | 42.49                      | 54                     | -11.51      | -                   | -              | 297            | 115         | V        |

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

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**BANDEDGE (HIGH CHANNEL, CH 11)****HORIZONTAL RESULT**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 61.11                | Pk  | 32.8           | -26.2                  | 67.71                      | -                      | -           | 74                  | -6.29          | 37             | 117         | H        |
| 2      | * 2.48407       | 62.54                | Pk  | 32.8           | -26.2                  | 69.14                      | -                      | -           | 74                  | -4.86          | 37             | 117         | H        |
| 3      | * 2.48351       | 34.7                 | RMS | 32.8           | -26.2                  | 41.3                       | 54                     | -12.7       | -                   | -              | 37             | 117         | H        |
| 4      | * 2.48592       | 39.16                | RMS | 32.8           | -26.2                  | 45.76                      | 54                     | -8.24       | -                   | -              | 37             | 117         | H        |

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

Pk - Peak detector

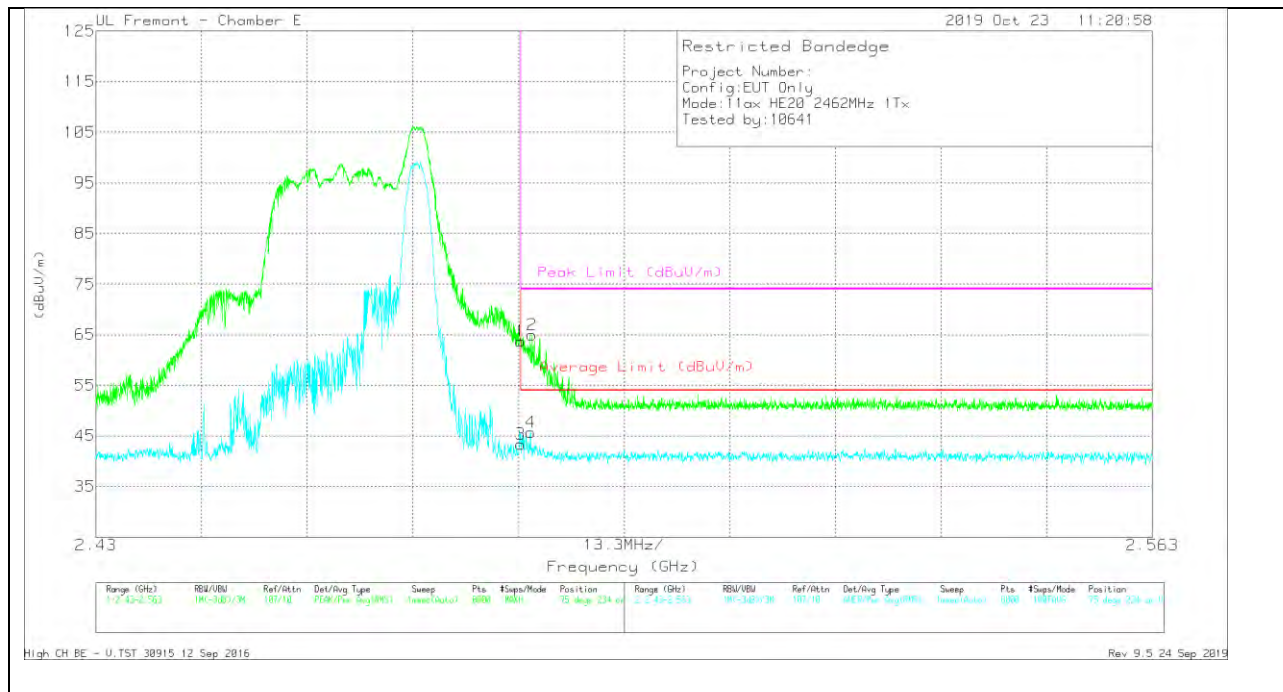
RMS - RMS detection

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## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (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      | * 2.48351       | 57.14                | Pk  | 32.8           | -26.2                  | 63.74                      | -                      | -           | 74                  | -10.26         | 75             | 234         | V        |
| 2      | * 2.48492       | 58.39                | Pk  | 32.8           | -26.2                  | 64.99                      | -                      | -           | 74                  | -9.01          | 75             | 234         | V        |
| 3      | * 2.48351       | 36.71                | RMS | 32.8           | -26.2                  | 43.31                      | 54                     | -10.69      | -                   | -              | 75             | 234         | V        |
| 4      | * 2.4847        | 39.08                | RMS | 32.8           | -26.2                  | 45.68                      | 54                     | -8.32       | -                   | -              | 75             | 234         | V        |

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

Pk - Peak detector

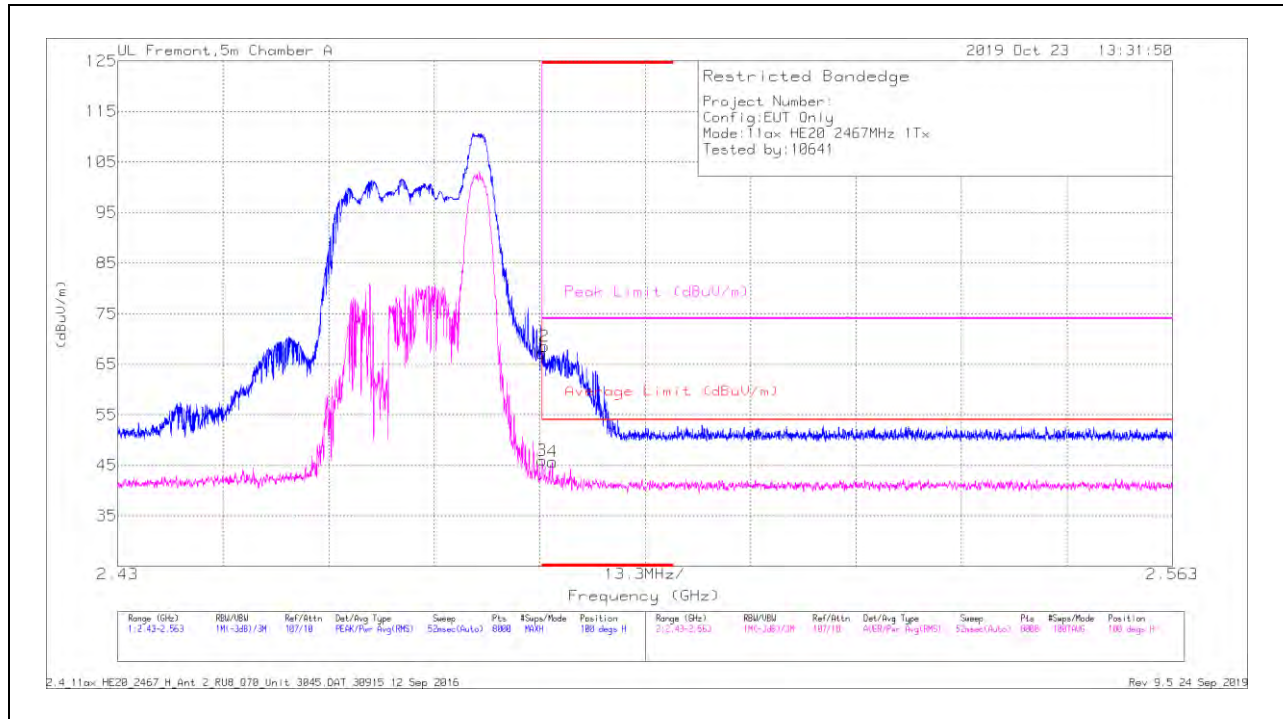
RMS - RMS detection

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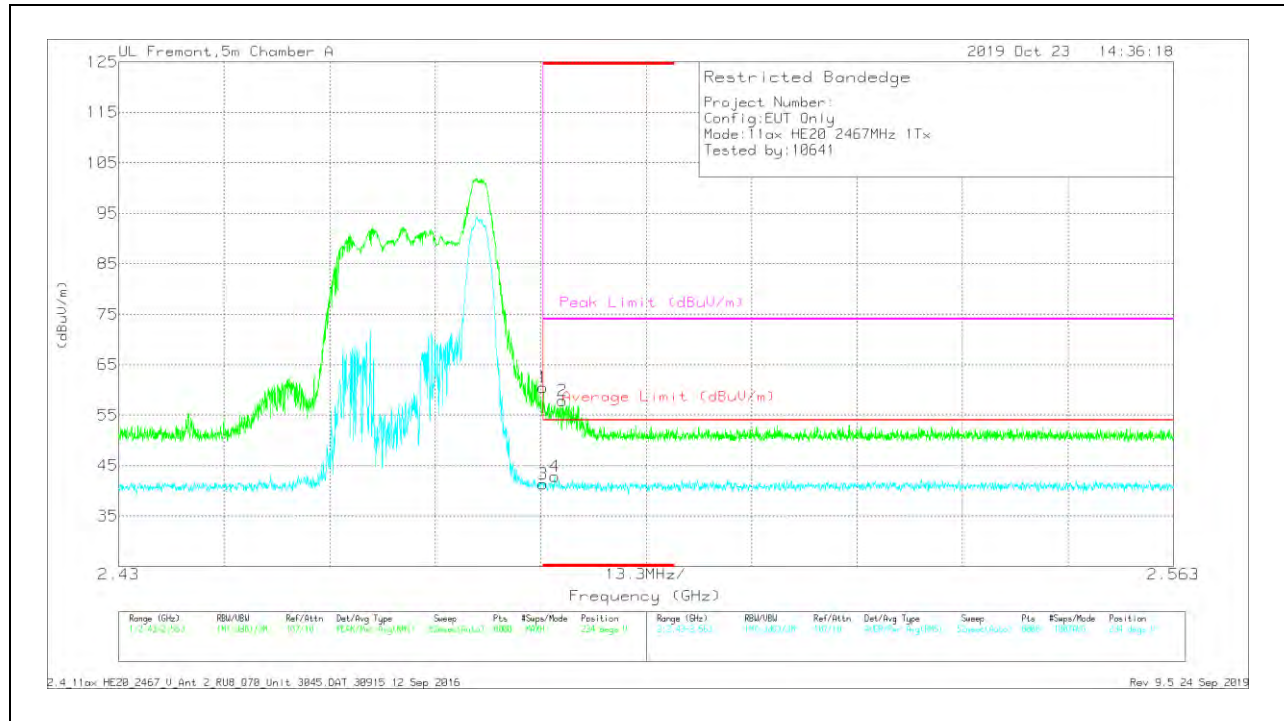
## BANDEDGE (HIGH CHANNEL, CH 12)

### HORIZONTAL RESULT



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

## VERTICAL RESULT



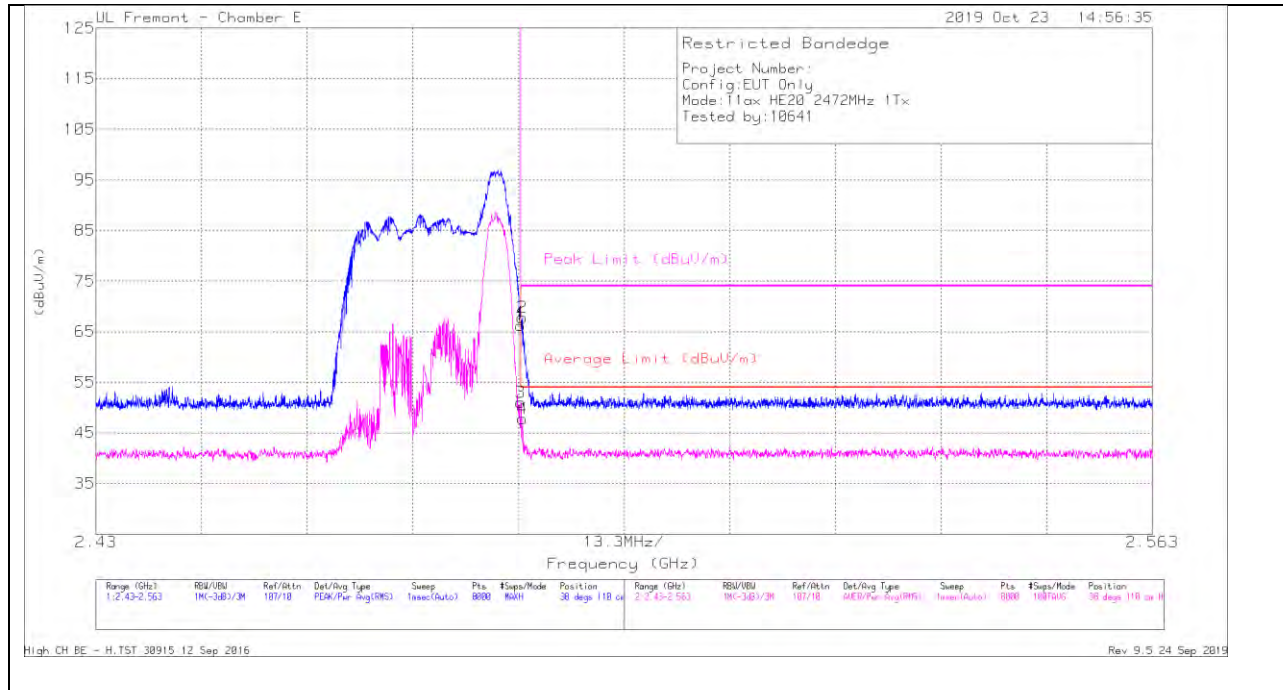
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 53.82                | Pk  | 32.8           | -26.2                  | 60.42                      | -                      | -           | 74                  | -13.58         | 234            | 120         | V        |
| 2      | * 2.48593       | 51.32                | Pk  | 32.8           | -26.2                  | 57.92                      | -                      | -           | 74                  | -16.08         | 234            | 120         | V        |
| 3      | * 2.48351       | 34.8                 | RMS | 32.8           | -26.2                  | 41.4                       | 54                     | -12.6       | -                   | -              | 234            | 120         | V        |
| 4      | * 2.48499       | 36.2                 | RMS | 32.8           | -26.2                  | 42.8                       | 54                     | -11.2       | -                   | -              | 234            | 120         | V        |

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



## BANDEDGE (HIGH CHANNEL, CH 13)

### HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Altitude (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|-----------------|-------------|----------|
| 1      | * 2.48351       | 59.61                | Pk  | 32.8           | -26.2                  | 66.21                      | -                      | -           | 74                  | -7.79          | 38              | 110         | H        |
| 2      | * 2.48367       | 61.18                | Pk  | 32.8           | -26.2                  | 67.78                      | -                      | -           | 74                  | -6.22          | 38              | 110         | H        |
| 3      | * 2.48351       | 44.4                 | RMS | 32.8           | -26.2                  | 51                         | 54                     | -3          | -                   | -              | 38              | 110         | H        |
| 4      | * 2.48371       | 41.24                | RMS | 32.8           | -26.2                  | 47.84                      | 54                     | -6.16       | -                   | -              | 38              | 110         | H        |

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

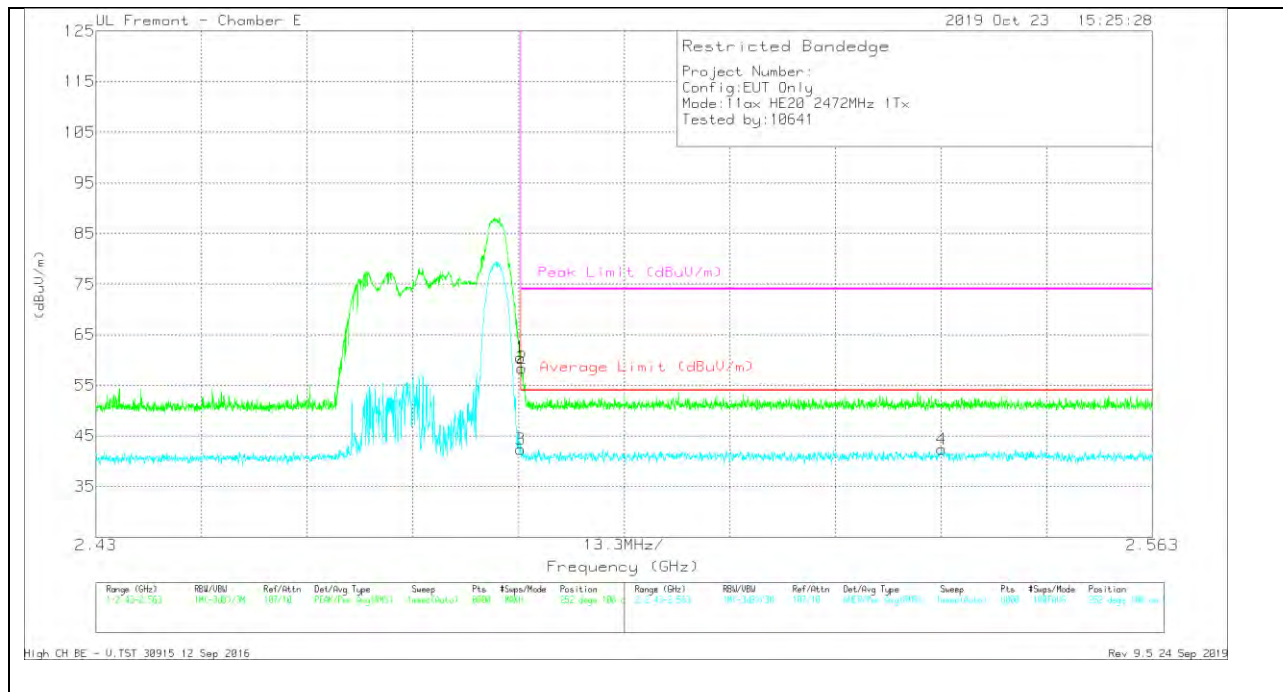
Pk - Peak detector

RMS - RMS detection

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## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (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      | * 2.48351       | 53.82                | Pk  | 32.8           | -26.2                  | 60.42                      | -                      | -           | 74                  | -13.58         | 252            | 100         | V        |
| 2      | * 2.48364       | 51.82                | Pk  | 32.8           | -26.2                  | 58.42                      | -                      | -           | 74                  | -15.58         | 252            | 100         | V        |
| 3      | * 2.48351       | 35.69                | RMS | 32.8           | -26.2                  | 42.29                      | 54                     | -11.71      | -                   | -              | 252            | 100         | V        |
| 4      | 2.5365          | 35.61                | RMS | 32.9           | -26.2                  | 42.31                      | 54                     | -11.69      | -                   | -              | 252            | 100         | V        |

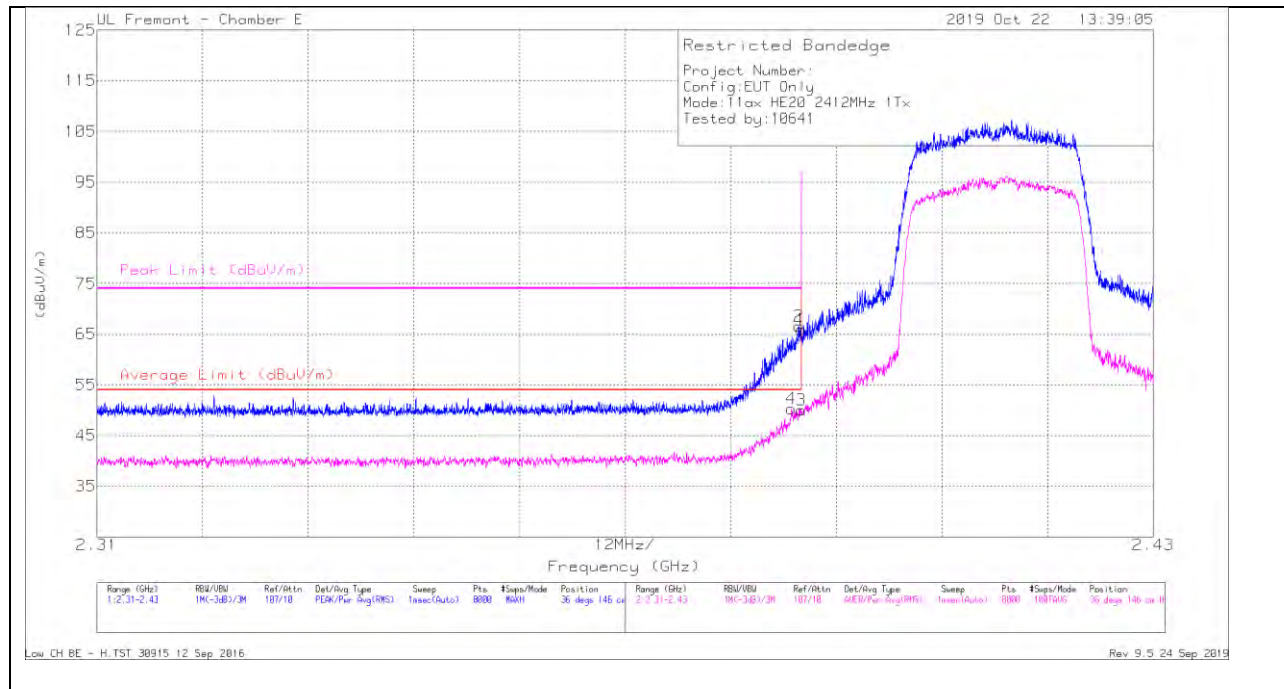
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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**BANDEDGE ( LOW CHANNEL, CH 1)****HORIZONTAL RESULT**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.38999       | 59.85                | Pk  | 32.3           | -26.2                  | 65.95                      | -                      | -           | 74                  | -8.05          | 36             | 146         | H        |
| 2      | * 2.38975       | 60.49                | Pk  | 32.3           | -26.2                  | 66.59                      | -                      | -           | 74                  | -7.41          | 36             | 146         | H        |
| 3      | * 2.38999       | 43.93                | RMS | 32.3           | -26.2                  | 50.03                      | 54                     | -3.97       | -                   | -              | 36             | 146         | H        |
| 4      | * 2.38888       | 44.15                | RMS | 32.3           | -26.2                  | 50.25                      | 54                     | -3.75       | -                   | -              | 36             | 146         | H        |

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

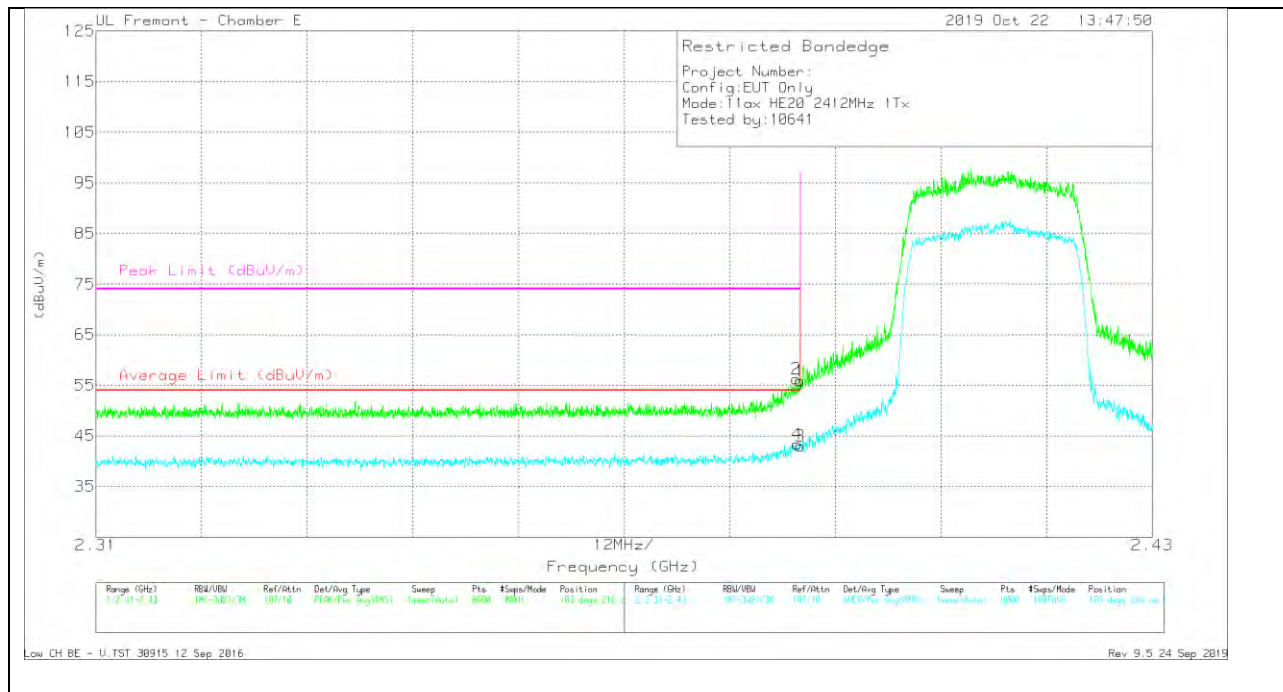
Pk - Peak detector

RMS - RMS detection

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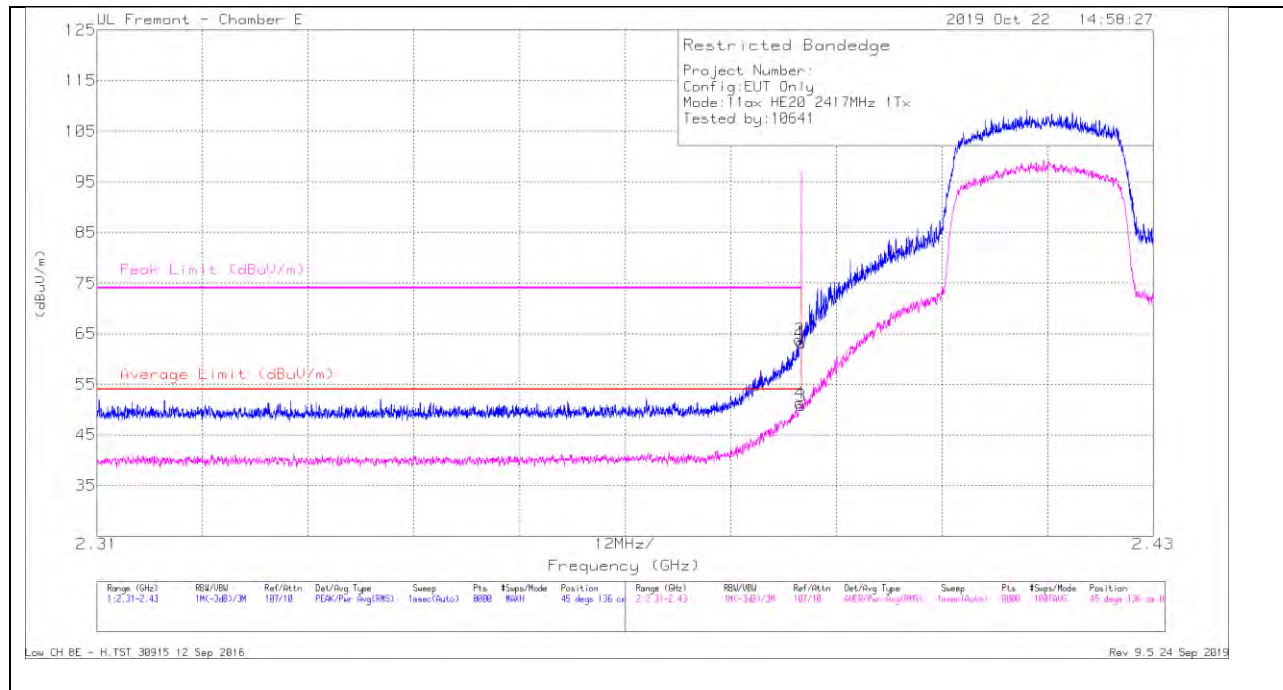
## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (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      | * 2.38999       | 49.74                | PK  | 32.3           | -26.2                  | 55.84                      | -                      | -           | 74                  | -18.16         | 103            | 216         | V        |
| 2      | * 2.38996       | 50.18                | PK  | 32.3           | -26.2                  | 56.28                      | -                      | -           | 74                  | -17.72         | 103            | 216         | V        |
| 3      | * 2.38999       | 36.92                | RMS | 32.3           | -26.2                  | 43.02                      | 54                     | -10.98      | -                   | -              | 103            | 216         | V        |
| 4      | * 2.38996       | 37.23                | RMS | 32.3           | -26.2                  | 43.33                      | 54                     | -10.67      | -                   | -              | 103            | 216         | V        |

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

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**BANEDGE (LOW CHANNEL, CH 2)****HORIZONTAL RESULT**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.38999       | 57.17                | Pk  | 32.3           | -26.2                  | 63.27                      | -                      | -           | 74                  | -10.73         | 45             | 136         | H        |
| 2      | * 2.38981       | 57.72                | Pk  | 32.3           | -26.2                  | 63.82                      | -                      | -           | 74                  | -10.18         | 45             | 136         | H        |
| 3      | * 2.38999       | 44.73                | RMS | 32.3           | -26.2                  | 50.83                      | 54                     | -3.17       | -                   | -              | 45             | 136         | H        |
| 4      | * 2.3899        | 45.14                | RMS | 32.3           | -26.2                  | 51.24                      | 54                     | -2.76       | -                   | -              | 45             | 136         | H        |

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

Pk - Peak detector

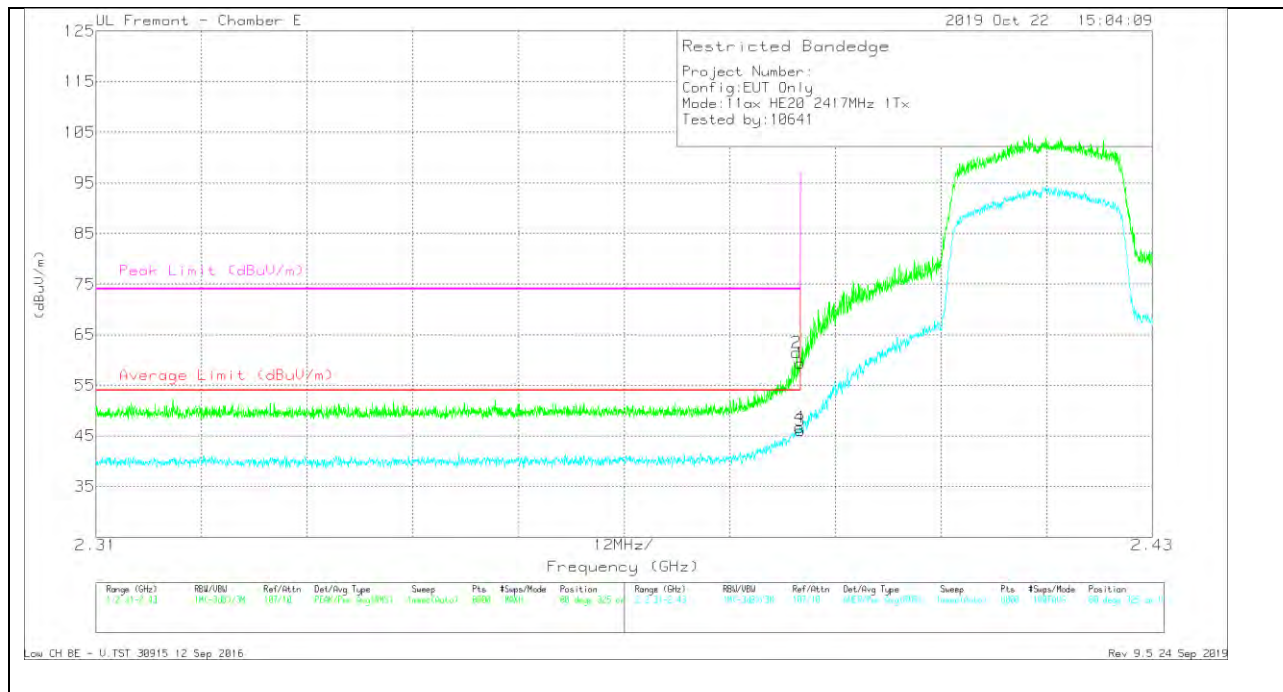
RMS - RMS detection

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## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.38999       | 53.3                 | PK  | 32.3           | -26.2                  | 59.4                       | -                      | -           | 74                  | -14.6          | 80             | 325         | V        |
| 2      | * 2.38962       | 55.4                 | PK  | 32.3           | -26.2                  | 61.5                       | -                      | -           | 74                  | -12.5          | 80             | 325         | V        |
| 3      | * 2.38999       | 40.02                | RMS | 32.3           | -26.2                  | 46.12                      | 54                     | -7.88       | -                   | -              | 80             | 325         | V        |
| 4      | * 2.38995       | 40.64                | RMS | 32.3           | -26.2                  | 46.74                      | 54                     | -7.26       | -                   | -              | 80             | 325         | V        |

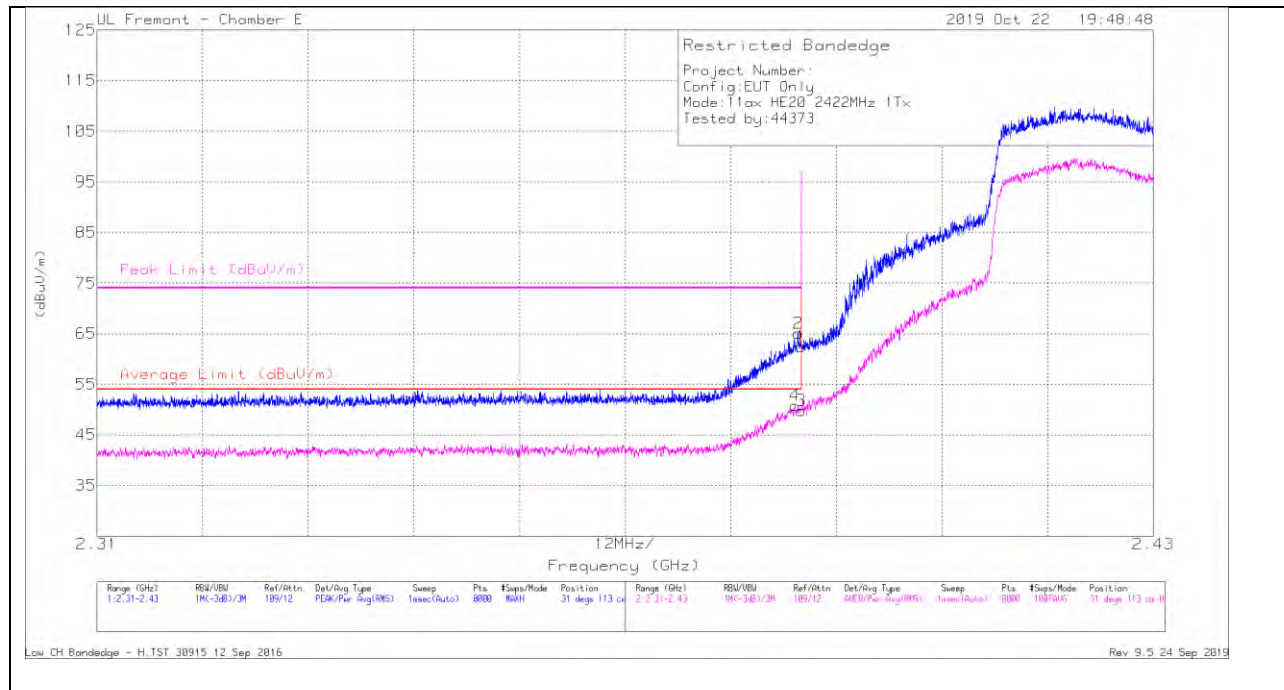
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

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**BANDEDGE (LOW CHANNEL, CH 3)****HORIZONTAL RESULT**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.38999       | 48.33                | Pk  | 32.3           | -18.2                  | 62.43                      | -                      | -           | 74                  | -11.57         | 31             | 113         | H        |
| 2      | * 2.38963       | 50.92                | Pk  | 32.3           | -18.2                  | 65.02                      | -                      | -           | 74                  | -8.98          | 31             | 113         | H        |
| 3      | * 2.38999       | 35.71                | RMS | 32.3           | -18.2                  | 49.81                      | 54                     | -4.19       | -                   | -              | 31             | 113         | H        |
| 4      | * 2.3893        | 36.65                | RMS | 32.3           | -18.2                  | 50.75                      | 54                     | -3.25       | -                   | -              | 31             | 113         | H        |

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

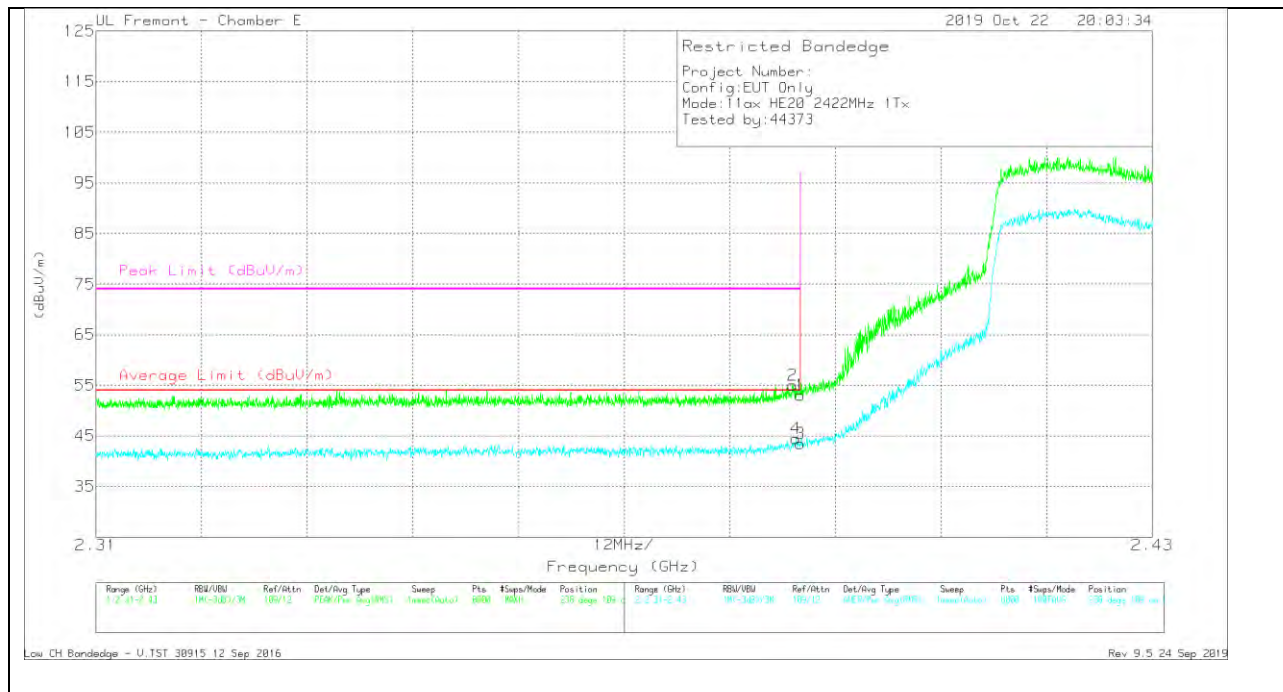
Pk - Peak detector

RMS - RMS detection

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## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (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      | * 2.38999       | 38.89                | Pk  | 32.3           | -18.2                  | 52.99                      | -                      | -           | 74                  | -21.01         | 238            | 109         | V        |
| 2      | * 2.38914       | 40.96                | Pk  | 32.3           | -18.2                  | 55.06                      | -                      | -           | 74                  | -18.94         | 238            | 109         | V        |
| 3      | * 2.38999       | 29.35                | RMS | 32.3           | -18.2                  | 43.45                      | 54                     | -10.55      | -                   | -              | 238            | 109         | V        |
| 4      | * 2.38951       | 30.32                | RMS | 32.3           | -18.2                  | 44.42                      | 54                     | -9.58       | -                   | -              | 238            | 109         | V        |

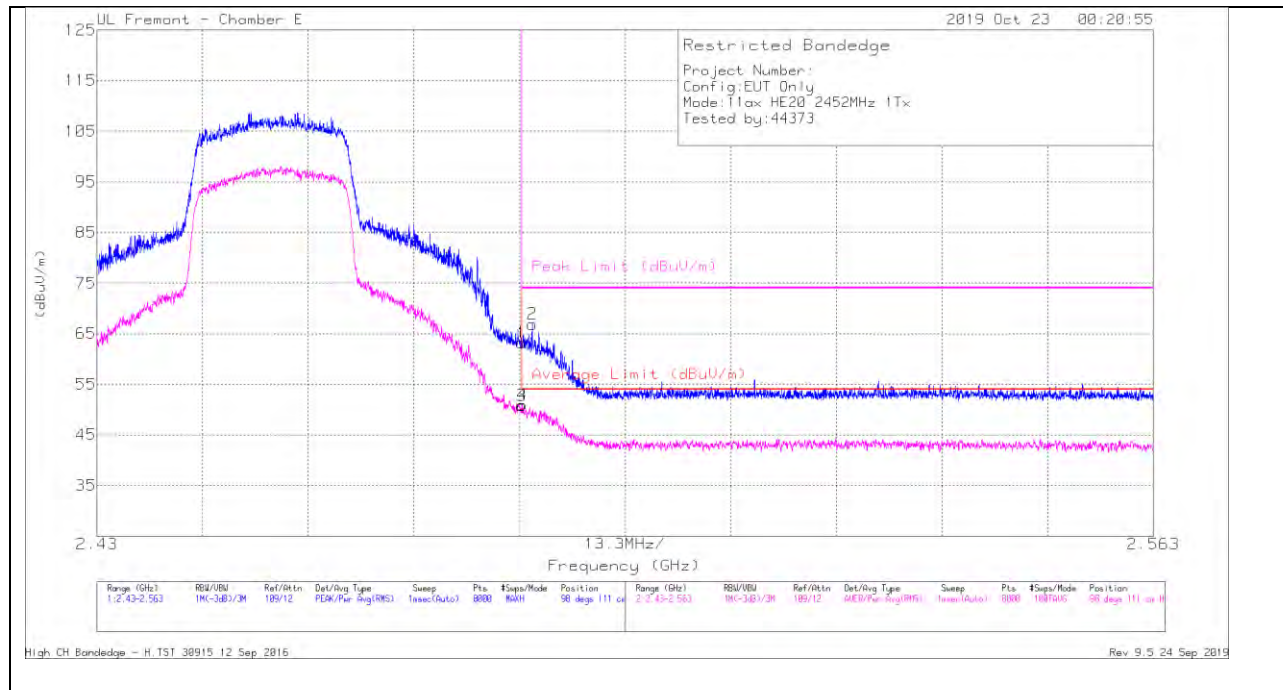
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

Low CH Bandedge - V.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

**BANDEDGE (HIGH CHANNEL, CH 9)****HORIZONTAL RESULT**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 48.41                | PK  | 32.8           | -18                    | 63.21                      | -                      | -           | 74                  | -10.79         | 98             | 111         | H        |
| 2      | * 2.48482       | 52.07                | PK  | 32.8           | -18                    | 66.87                      | -                      | -           | 74                  | -7.13          | 98             | 111         | H        |
| 3      | * 2.48351       | 36.03                | RMS | 32.8           | -18                    | 50.83                      | 54                     | -3.17       | -                   | -              | 98             | 111         | H        |
| 4      | * 2.48352       | 36.1                 | RMS | 32.8           | -18                    | 50.9                       | 54                     | -3.1        | -                   | -              | 98             | 111         | H        |

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

PK - Peak detector

RMS - RMS detection

High CH Bandedge - H.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

UL Fremont - Chamber E

2019 Oct 23 00:29:45

Restricted Bandedge  
Project Number:  
Config: EUT Only  
Mode: T1ax HE20 2452MHz 1Tx  
Tested by: 44373

Peak Limit (dBuV/m)

Average Limit (dBuV/m)

13.3MHz/

Frequency (GHz)

Range (GHz) 1.242-2.563 RBW/VBW 100-300/30 Ref/Alt In 100/12 Det/Alg Type Pk/Off/True dng/000 Sweep Time/Out 1000 Pts 6000 #Seps/Mode 6000 Position 244 dng 110 Range (GHz) 2.43-2.563 RBW/VBW 100-300/30 Ref/Alt In 100/12 Det/Alg Type Pk/Off/True dng/000 Sweep Time/Out 1000 Pts 6000 #Seps/Mode 6000 Position 244 dng 110

High CH Bandedge - U.TST 38915 12 Sep 2016

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| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 41.68                | Pk  | 32.8           | -18                    | 56.48                      | -                      | -           | 74                  | -17.52         | 244            | 110         | V        |
| 2      | * 2.48449       | 43.53                | Pk  | 32.8           | -18                    | 58.33                      | -                      | -           | 74                  | -15.67         | 244            | 110         | V        |
| 3      | * 2.48351       | 29.74                | RMS | 32.8           | -18                    | 44.54                      | 54                     | -9.46       | -                   | -              | 244            | 110         | V        |
| 4      | * 2.48405       | 30.77                | RMS | 32.8           | -18                    | 45.57                      | 54                     | -8.43       | -                   | -              | 244            | 110         | V        |

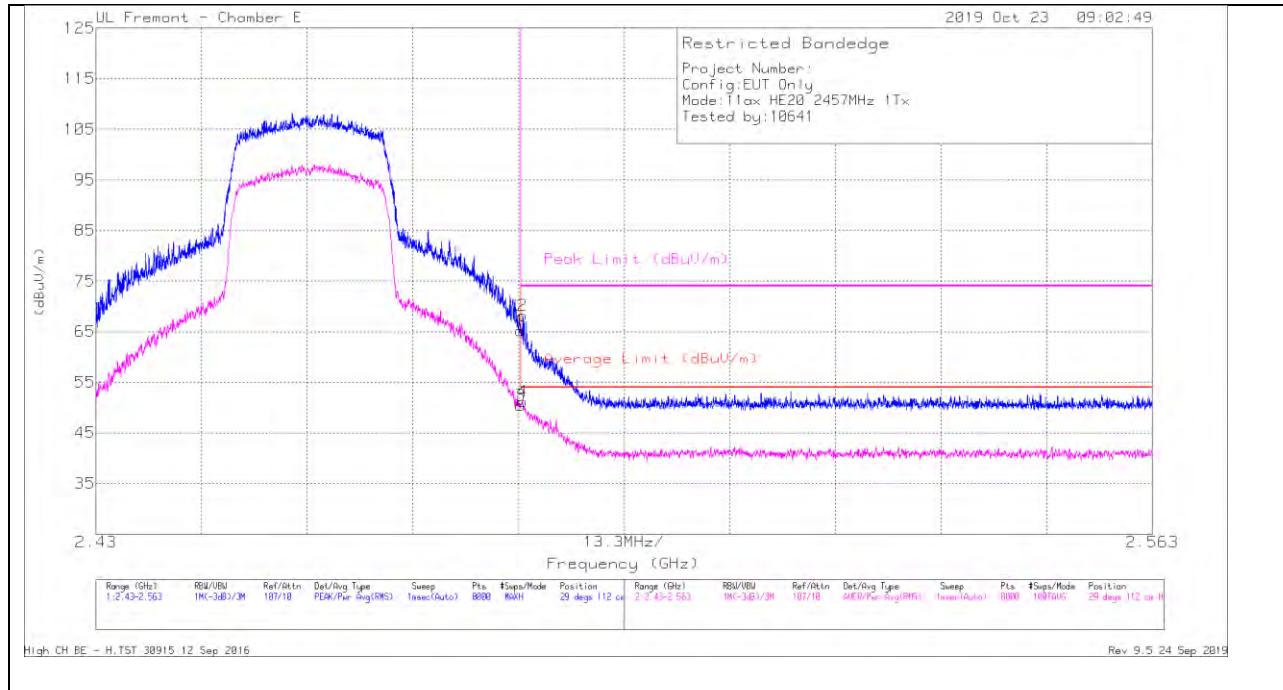
Pk - Peak detector  
RMS - RMS detection

High CH Bandedge - V.TST 30915 12 Sep 2016  
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## BANDEDGE (HIGH CHANNEL, CH 10)

### HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 58.64                | Pk  | 32.8           | -26.2                  | 65.24                      | -                      | -           | 74                  | -8.76          | 29             | 112         | H        |
| 2      | * 2.48374       | 61.57                | Pk  | 32.8           | -26.2                  | 68.17                      | -                      | -           | 74                  | -5.83          | 29             | 112         | H        |
| 3      | * 2.48351       | 43.8                 | RMS | 32.8           | -26.2                  | 50.4                       | 54                     | -3.6        | -                   | -              | 29             | 112         | H        |
| 4      | * 2.48369       | 44.52                | RMS | 32.8           | -26.2                  | 51.12                      | 54                     | -2.88       | -                   | -              | 29             | 112         | H        |

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

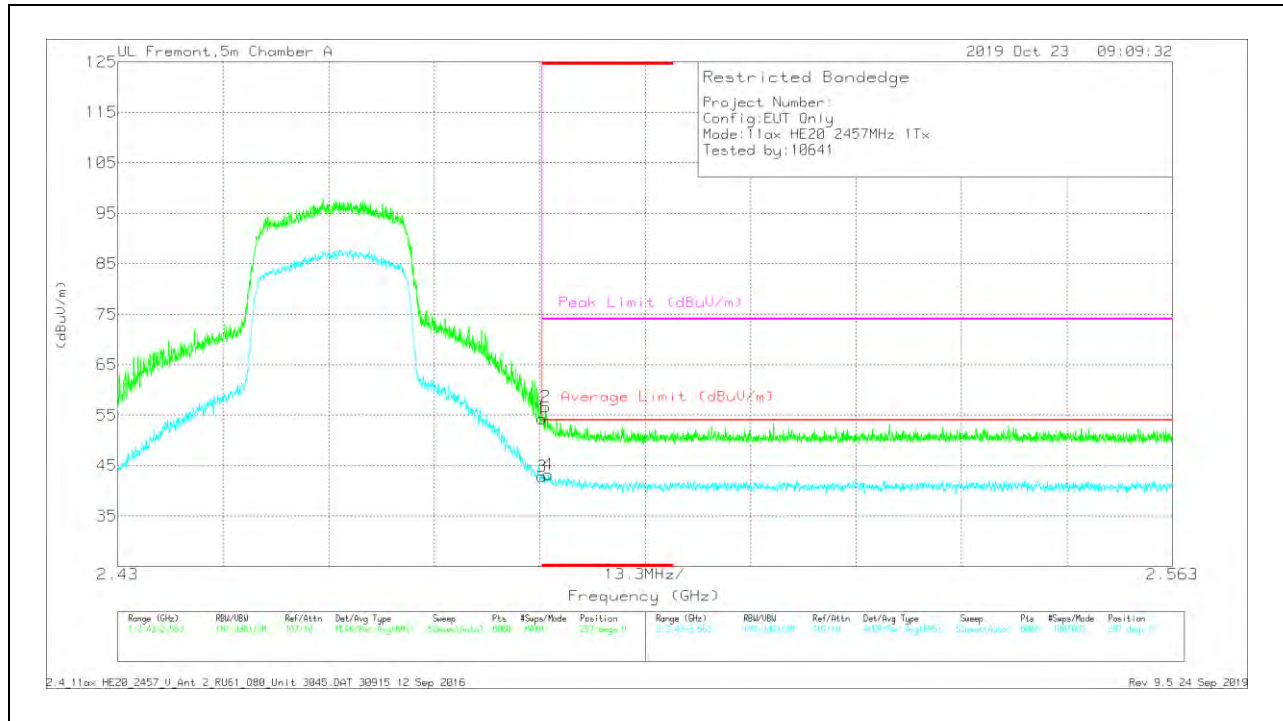
Pk - Peak detector

RMS - RMS detection

High CH BE - H.TST 30915 12 Sep 2016

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## VERTICAL RESULT

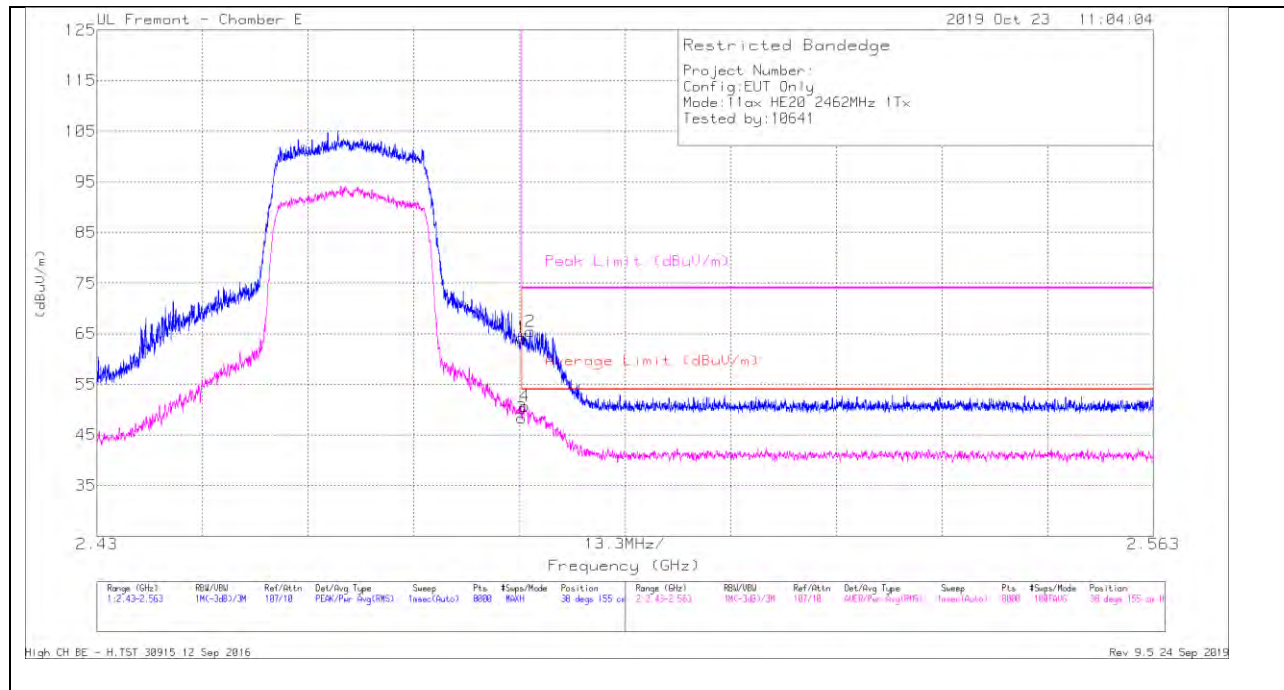


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | *2.48351        | 47.71                | Pk  | 32.8           | -26.2                  | 54.31                      | -                      | -           | 74                  | -19.69         | 297            | 115         | V        |
| 2      | *2.48394        | 50                   | Pk  | 32.8           | -26.2                  | 56.6                       | -                      | -           | 74                  | -17.4          | 297            | 115         | V        |
| 3      | *2.48351        | 36.29                | RMS | 32.8           | -26.2                  | 42.89                      | 54                     | -11.11      | -                   | -              | 297            | 115         | V        |
| 4      | *2.48432        | 36.57                | RMS | 32.8           | -26.2                  | 43.17                      | 54                     | -10.83      | -                   | -              | 297            | 115         | V        |

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

Pk - Peak detector

RMS - RMS detection

**BANDEDGE (HIGH CHANNEL, CH 11)****HORIZONTAL RESULT**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 57.63                | Pk  | 32.8           | -26.2                  | 64.23                      | -                      | -           | 74                  | -9.77          | 38             | 155         | H        |
| 2      | * 2.48455       | 58.83                | Pk  | 32.8           | -26.2                  | 65.43                      | -                      | -           | 74                  | -8.57          | 38             | 155         | H        |
| 3      | * 2.48351       | 41.73                | RMS | 32.8           | -26.2                  | 48.33                      | 54                     | -5.67       | -                   | -              | 38             | 155         | H        |
| 4      | * 2.48384       | 44.06                | RMS | 32.8           | -26.2                  | 50.66                      | 54                     | -3.34       | -                   | -              | 38             | 155         | H        |

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

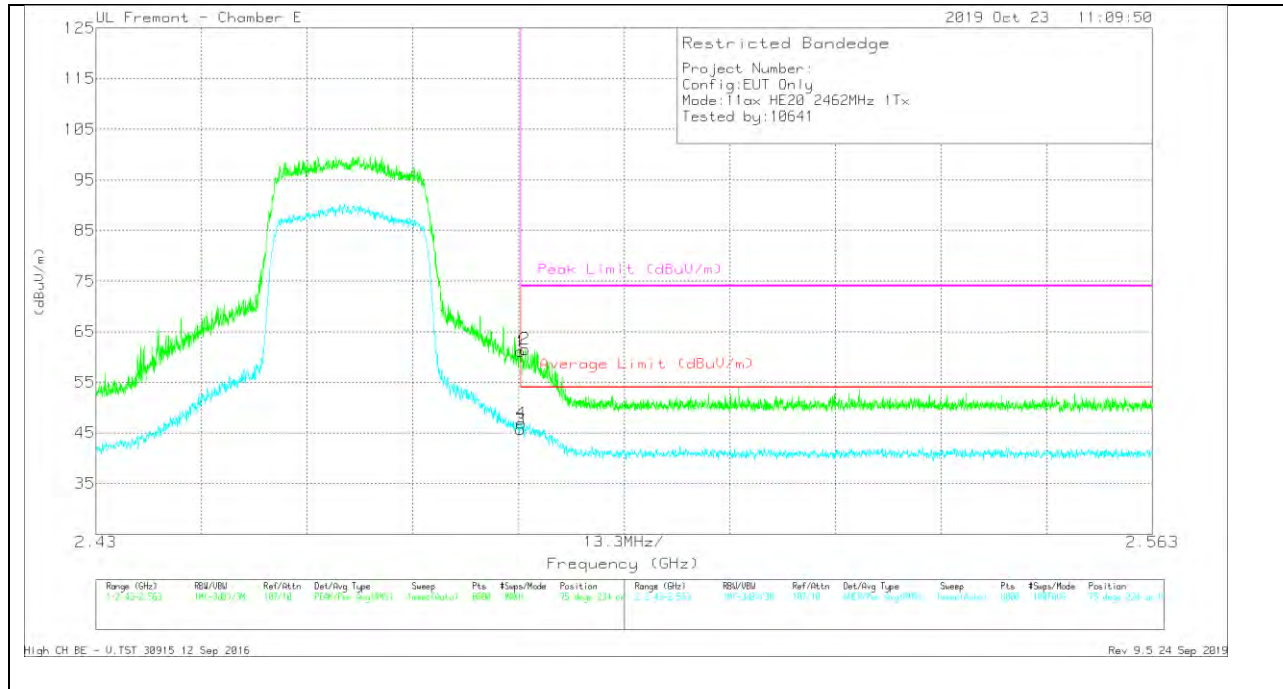
Pk - Peak detector

RMS - RMS detection

High CH BE - H.TST 30915 12 Sep 2016

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## VERTICAL RESULT



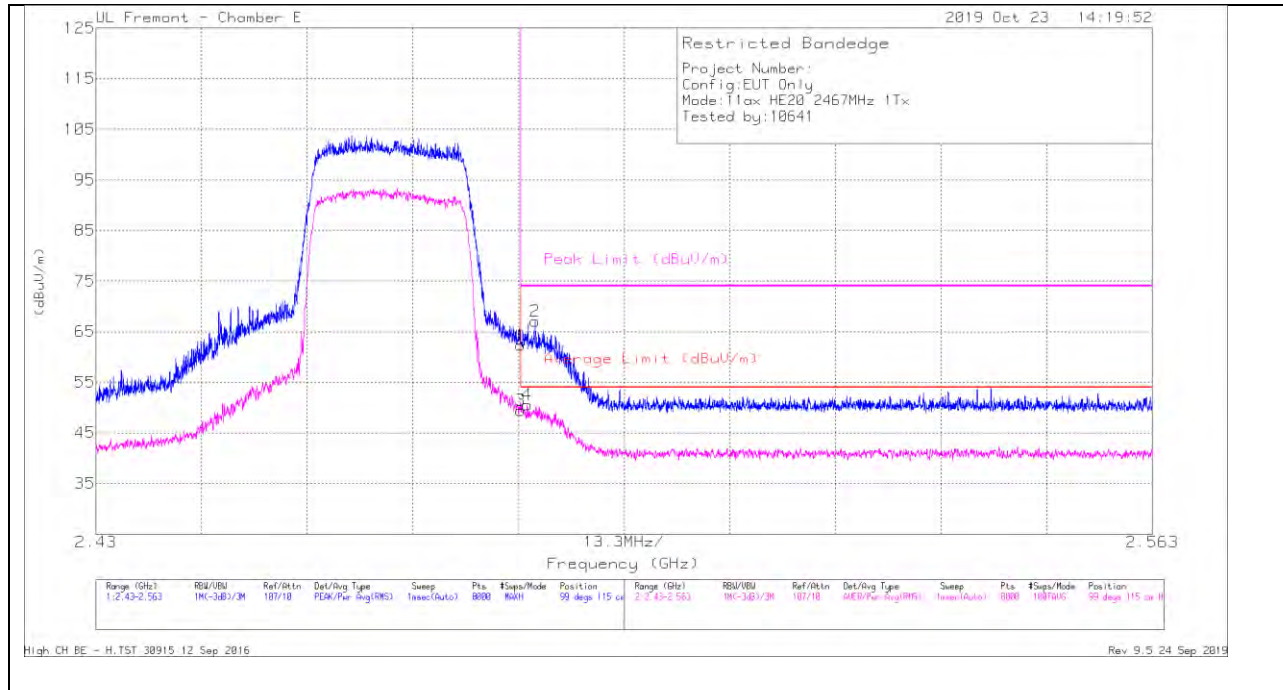
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 54.44                | Pk  | 32.8           | -26.2                  | 61.04                      | -                      | -           | 74                  | -12.96         | 75             | 234         | V        |
| 2      | * 2.48405       | 54.93                | Pk  | 32.8           | -26.2                  | 61.53                      | -                      | -           | 74                  | -12.47         | 75             | 234         | V        |
| 3      | * 2.48351       | 39.14                | RMS | 32.8           | -26.2                  | 45.74                      | 54                     | -8.26       | -                   | -              | 75             | 234         | V        |
| 4      | * 2.48356       | 40.39                | RMS | 32.8           | -26.2                  | 46.99                      | 54                     | -7.01       | -                   | -              | 75             | 234         | V        |

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

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## BANEDGE (HIGH CHANNEL, CH 12)

### HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 55.69                | Pk  | 32.8           | -26.2                  | 62.29                      | -                      | -           | 74                  | -11.71         | 99             | 115         | H        |
| 2      | * 2.4853        | 60.43                | Pk  | 32.8           | -26.2                  | 67.03                      | -                      | -           | 74                  | -6.97          | 99             | 115         | H        |
| 3      | * 2.48351       | 42.78                | RMS | 32.8           | -26.2                  | 49.38                      | 54                     | -4.62       | -                   | -              | 99             | 115         | H        |
| 4      | * 2.4843        | 43.98                | RMS | 32.8           | -26.2                  | 50.58                      | 54                     | -3.42       | -                   | -              | 99             | 115         | H        |

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

Pk - Peak detector

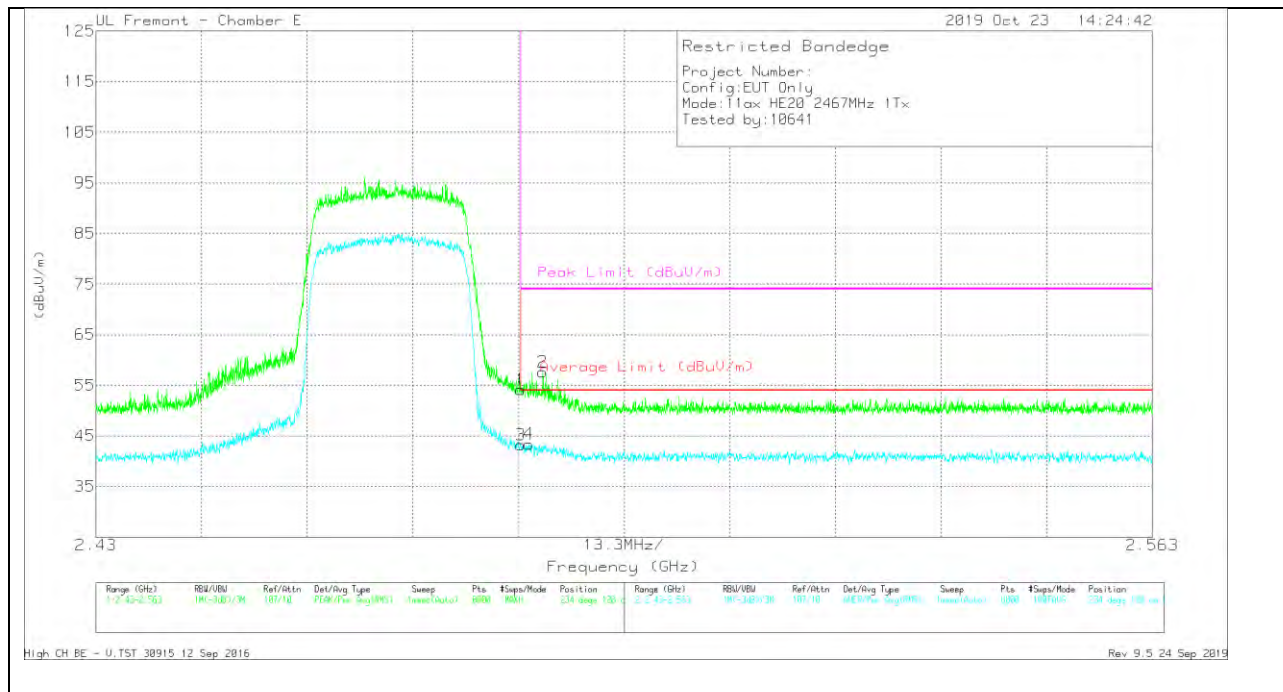
RMS - RMS detection

High CH BE - H.TST 30915 12 Sep 2016

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## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (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      | * 2.48351       | 47.56                | Pk  | 32.8           | -26.2                  | 54.16                      | -                      | -           | 74                  | -19.84         | 234            | 120         | V        |
| 2      | * 2.48627       | 50.98                | Pk  | 32.8           | -26.2                  | 57.58                      | -                      | -           | 74                  | -16.42         | 234            | 120         | V        |
| 3      | * 2.48351       | 36.56                | RMS | 32.8           | -26.2                  | 43.16                      | 54                     | -10.84      | -                   | -              | 234            | 120         | V        |
| 4      | * 2.48449       | 36.8                 | RMS | 32.8           | -26.2                  | 43.4                       | 54                     | -10.6       | -                   | -              | 234            | 120         | V        |

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

Pk - Peak detector

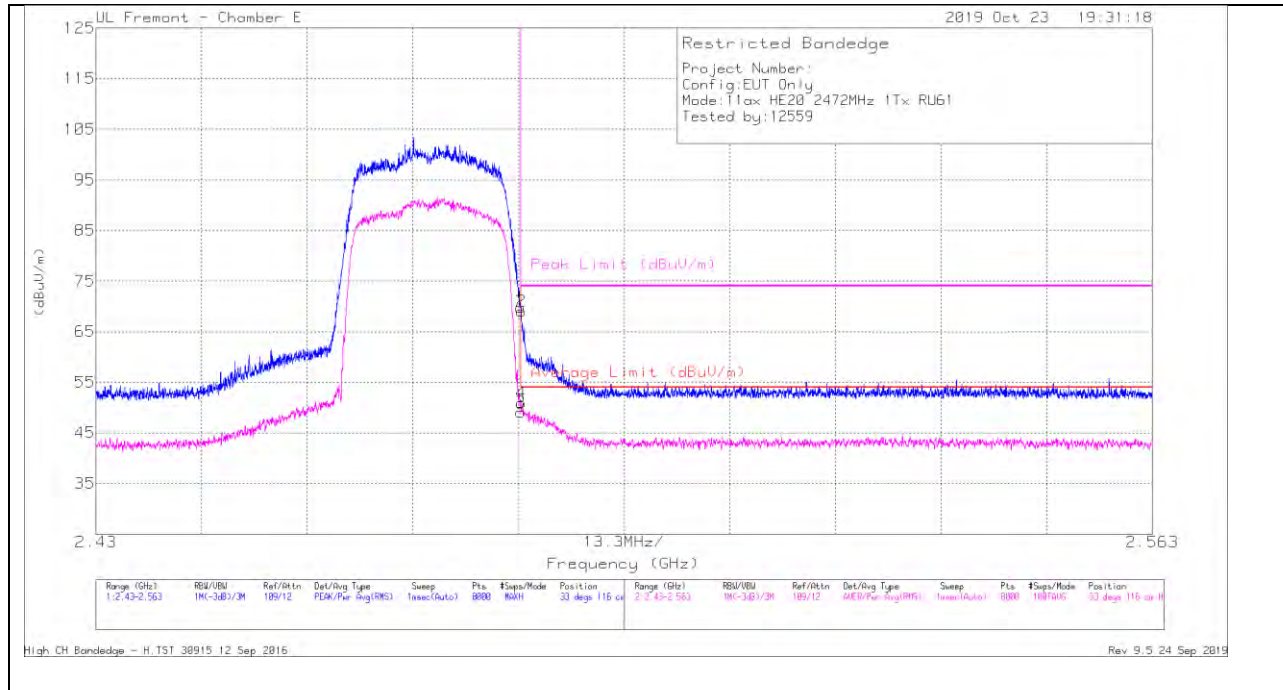
RMS - RMS detection

High CH BE - V.TST 30915 12 Sep 2016

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## BANDEDGE (HIGH CHANNEL, CH 13)

### HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 54.99                | Pk  | 32.8           | -18                    | 69.79                      | -                      | -           | 74                  | -4.21          | 33             | 116         | H        |
| 2      | * 2.48356       | 54.21                | Pk  | 32.8           | -18                    | 69.01                      | -                      | -           | 74                  | -4.99          | 33             | 116         | H        |
| 3      | * 2.48351       | 34.25                | RMS | 32.8           | -18                    | 49.05                      | 54                     | -4.95       | -                   | -              | 33             | 116         | H        |
| 4      | * 2.48357       | 36.1                 | RMS | 32.8           | -18                    | 50.9                       | 54                     | -3.1        | -                   | -              | 33             | 116         | H        |

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

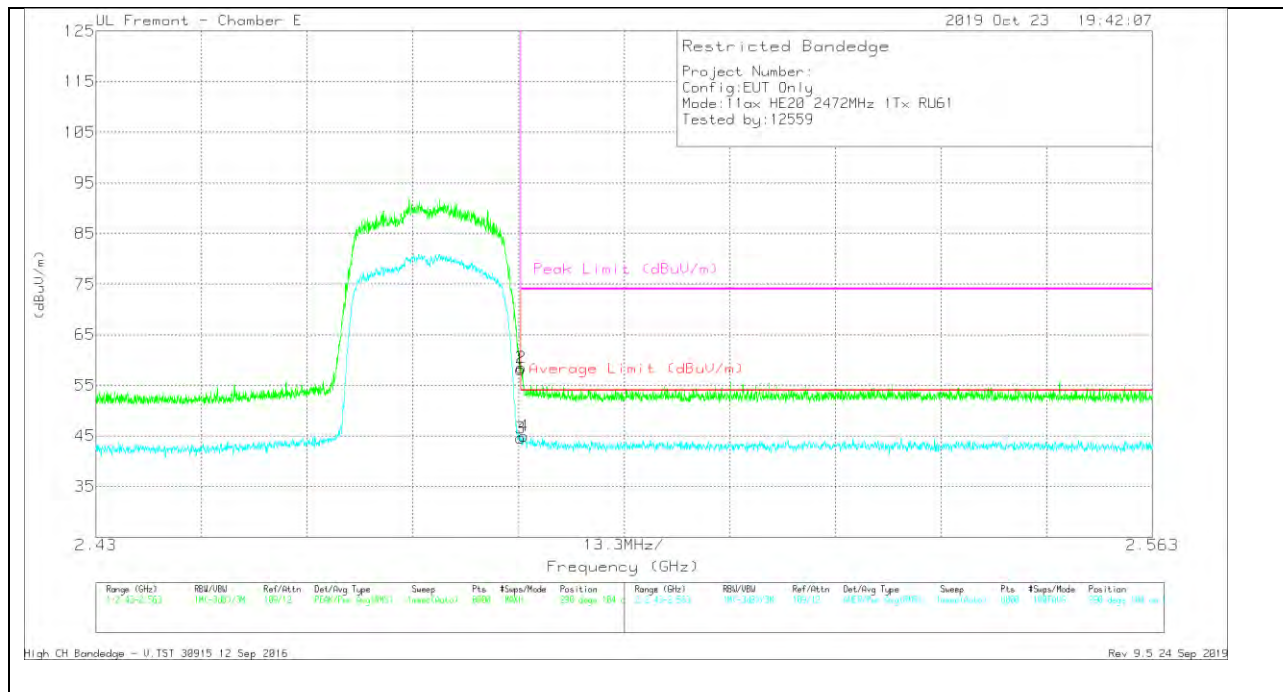
Pk - Peak detector

RMS - RMS detection

High CH Bandedge - H.TST 30915 12 Sep 2016

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## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 43.26                | Pk  | 32.8           | -18                    | 58.06                      | -                      | -           | 74                  | -15.94         | 290            | 104         | V        |
| 3      | * 2.48351       | 29.83                | RMS | 32.8           | -18                    | 44.63                      | 54                     | -9.37       | -                   | -              | 290            | 104         | V        |
| 2      | * 2.48357       | 43.64                | Pk  | 32.8           | -18                    | 58.44                      | -                      | -           | 74                  | -15.56         | 290            | 104         | V        |
| 4      | * 2.48389       | 30.17                | RMS | 32.8           | -18                    | 44.97                      | 54                     | -9.03       | -                   | -              | 290            | 104         | V        |

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

Pk - Peak detector

RMS - RMS detection

High CH Bandedge - V.TST 30915 12 Sep 2016

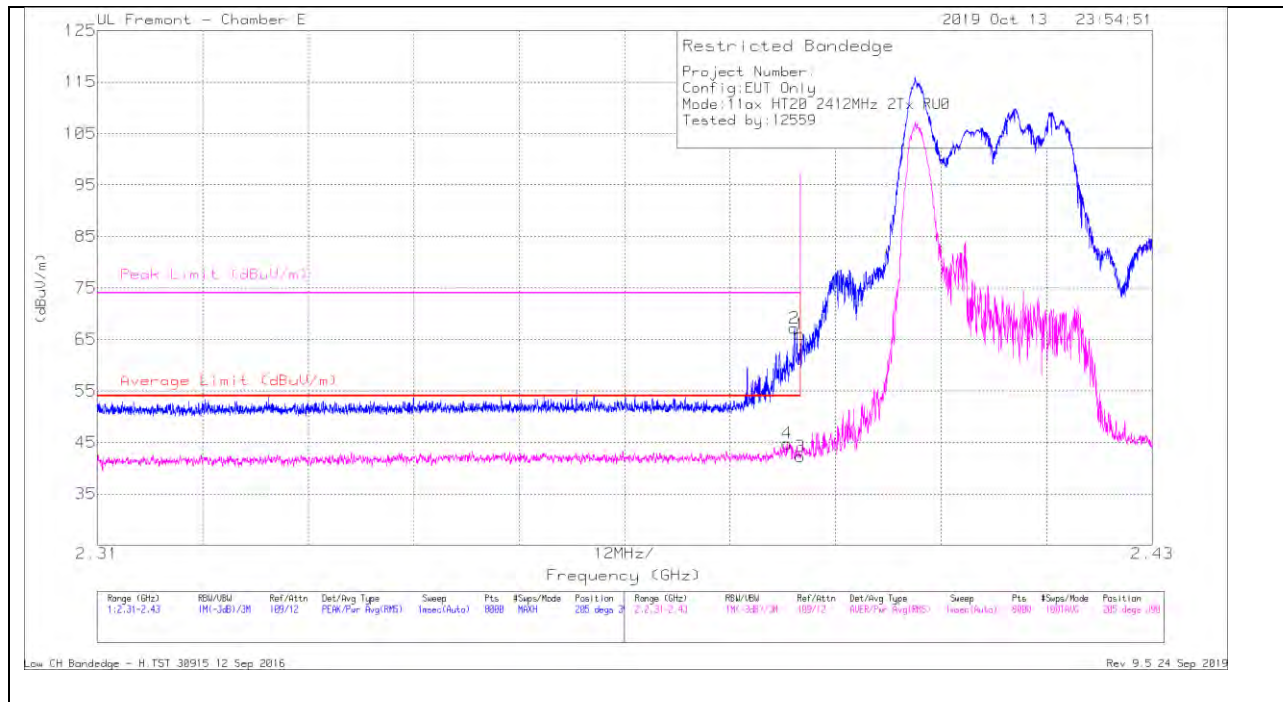
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## 9.1.4. TX ABOVE 1 GHz 802.11ax HE20 OFDMA MODE IN THE 2.4 GHz BAND

### 2TX UAT1 + LAT3 OFDMA MODE: 26-Tones, RU Index 0

### BANDEDGE ( LOW CHANNEL, CH 1)

### HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (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 |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 4      | * 2.38849       | 30.68                | RMS | 32.3           | -18.2                 | 44.78                      | 54                     | -9.22       | -                   | -              | 205            | 390         | H        |
| 2      | * 2.3893        | 53.07                | Pk  | 32.3           | -18.2                 | 67.17                      | -                      | -           | 74                  | -6.83          | 205            | 390         | H        |
| 1      | * 2.38999       | 51.88                | Pk  | 32.3           | -18.2                 | 65.98                      | -                      | -           | 74                  | -8.02          | 205            | 390         | H        |
| 3      | * 2.38999       | 28.13                | RMS | 32.3           | -18.2                 | 42.23                      | 54                     | -11.77      | -                   | -              | 205            | 390         | H        |

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

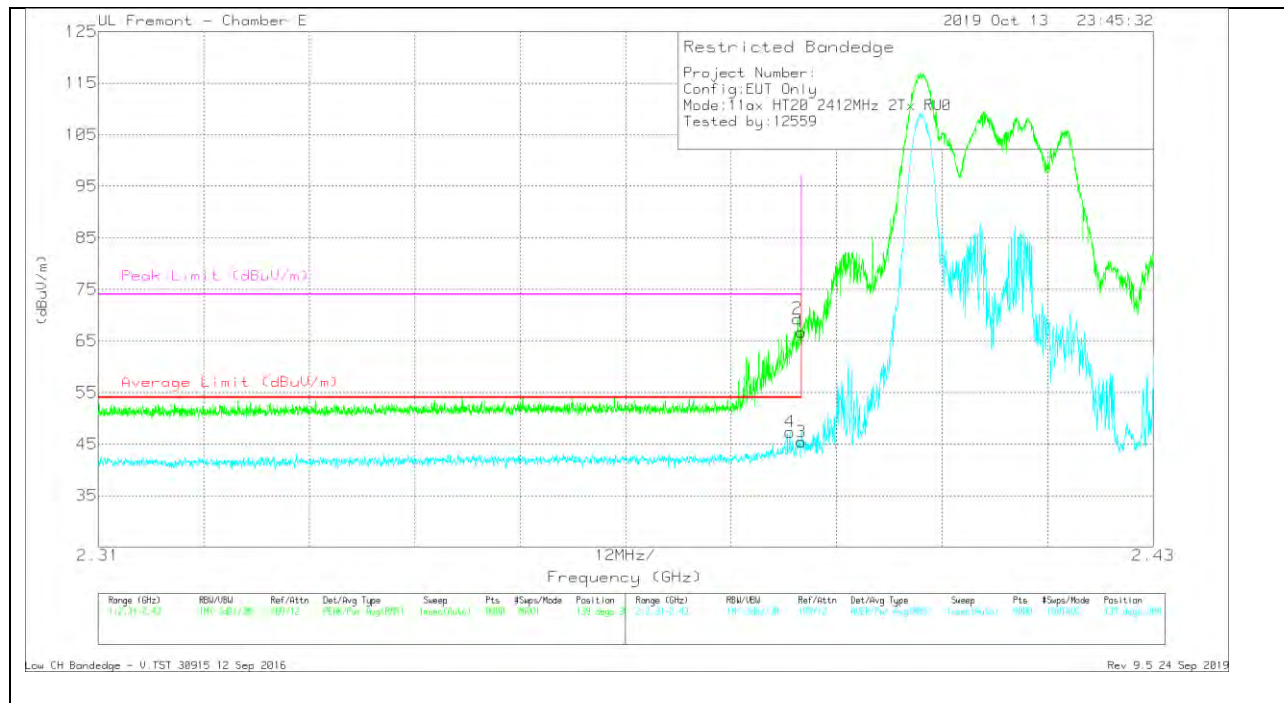
Pk - Peak detector

RMS - RMS detection

Low CH Bandedge - H.TST 30915 12 Sep 2016

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## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 4      | * 2.38867       | 33.24                | RMS | 32.3           | -18.2                  | 47.34                      | 54                     | -6.66       | -                   | -              | 139            | 384         | V        |
| 2      | * 2.38957       | 55.21                | Pk  | 32.3           | -18.2                  | 69.31                      | -                      | -           | 74                  | -4.69          | 139            | 384         | V        |
| 1      | * 2.38999       | 52.62                | Pk  | 32.3           | -18.2                  | 66.72                      | -                      | -           | 74                  | -7.28          | 139            | 384         | V        |
| 3      | * 2.38999       | 31.34                | RMS | 32.3           | -18.2                  | 45.44                      | 54                     | -8.56       | -                   | -              | 139            | 384         | V        |

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

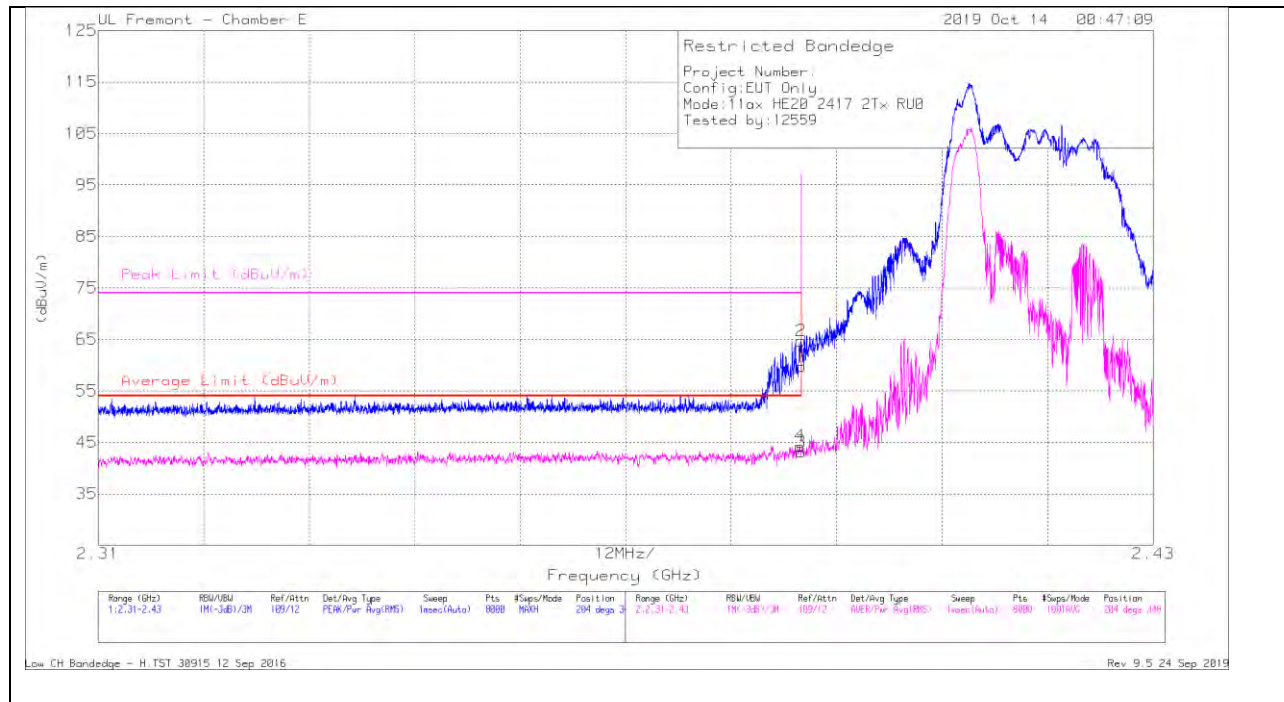
Pk - Peak detector

RMS - RMS detection

Low CH Bandedge - V.TST 30915 12 Sep 2016

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**BANDEDGE (LOW CHANNEL, CH 2)****HORIZONTAL RESULT**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (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 |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 4      | * 2.38983       | 30.17                | RMS | 32.3           | -18.2                   | 44.27                      | 54                     | -9.73       | -                   | -              | 204            | 348         | H        |
| 2      | * 2.38995       | 50.6                 | Pk  | 32.3           | -18.2                   | 64.7                       | -                      | -           | 74                  | -9.3           | 204            | 348         | H        |
| 1      | * 2.38999       | 45.61                | Pk  | 32.3           | -18.2                   | 59.71                      | -                      | -           | 74                  | -14.29         | 204            | 348         | H        |
| 3      | * 2.38999       | 29.05                | RMS | 32.3           | -18.2                   | 43.15                      | 54                     | -10.85      | -                   | -              | 204            | 348         | H        |

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

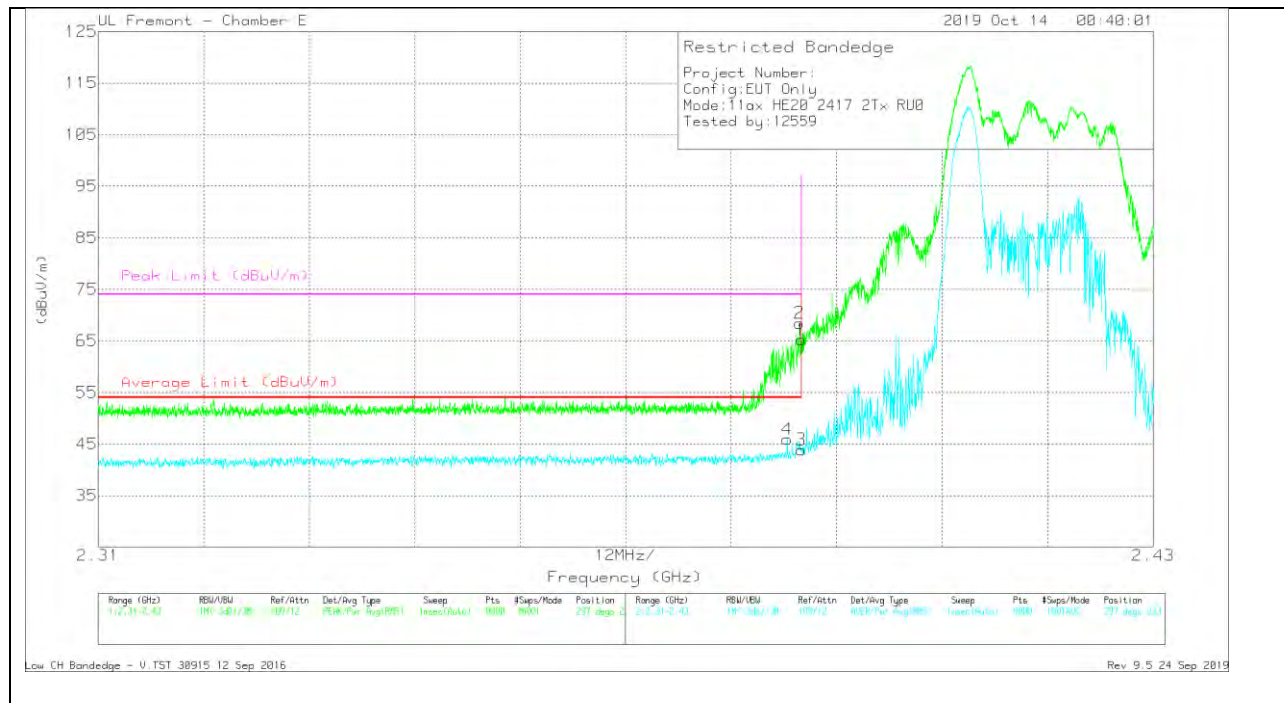
Pk - Peak detector

RMS - RMS detection

Low CH Bandedge - H.TST 30915 12 Sep 2016

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## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (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 |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 4      | * 2.38837       | 31.84                | RMS | 32.3           | -18.2                   | 45.94                      | 54                     | -8.06       | -                   | -              | 297            | 233         | V        |
| 2      | * 2.38977       | 54.34                | Pk  | 32.3           | -18.2                   | 68.44                      | -                      | -           | 74                  | -5.56          | 297            | 233         | V        |
| 1      | * 2.38999       | 51.12                | Pk  | 32.3           | -18.2                   | 65.22                      | -                      | -           | 74                  | -8.78          | 297            | 233         | V        |
| 3      | * 2.38999       | 29.78                | RMS | 32.3           | -18.2                   | 43.88                      | 54                     | -10.12      | -                   | -              | 297            | 233         | V        |

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

Pk - Peak detector

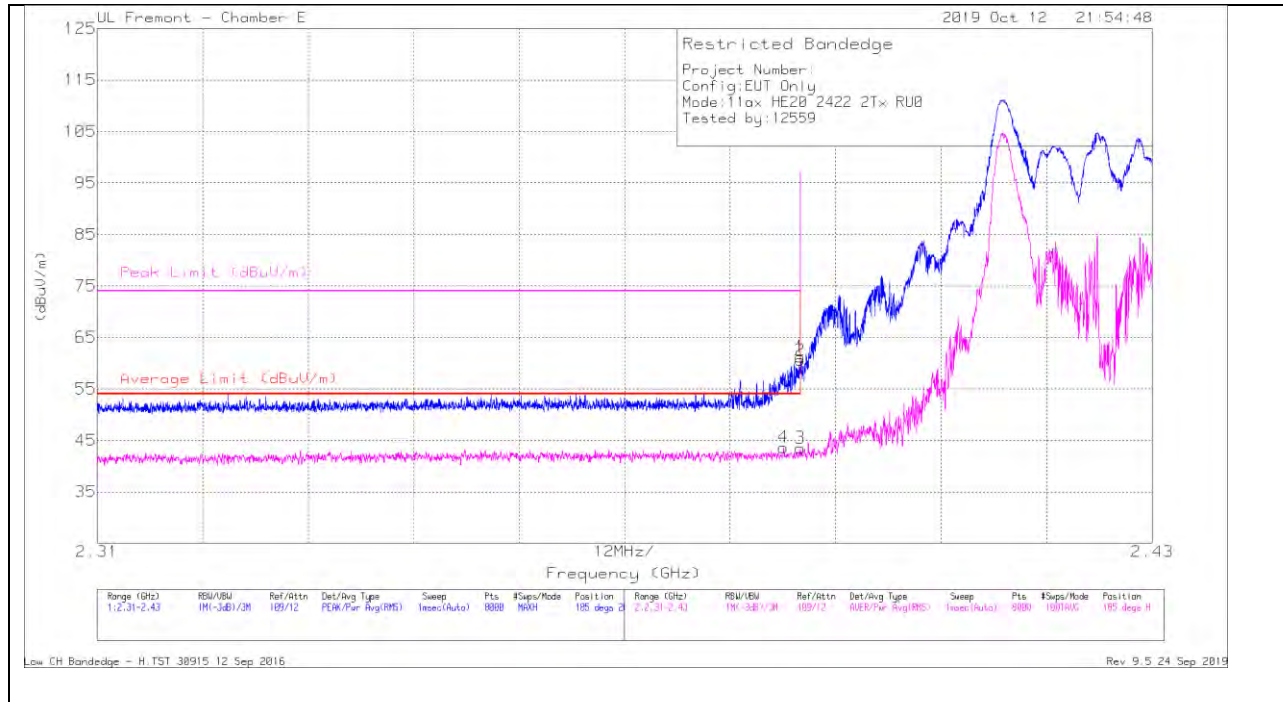
RMS - RMS detection

Low CH Bandedge - V.TST 30915 12 Sep 2016

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## BANDEDGE (LOW CHANNEL, CH 3)

### HORIZONTAL RESULT

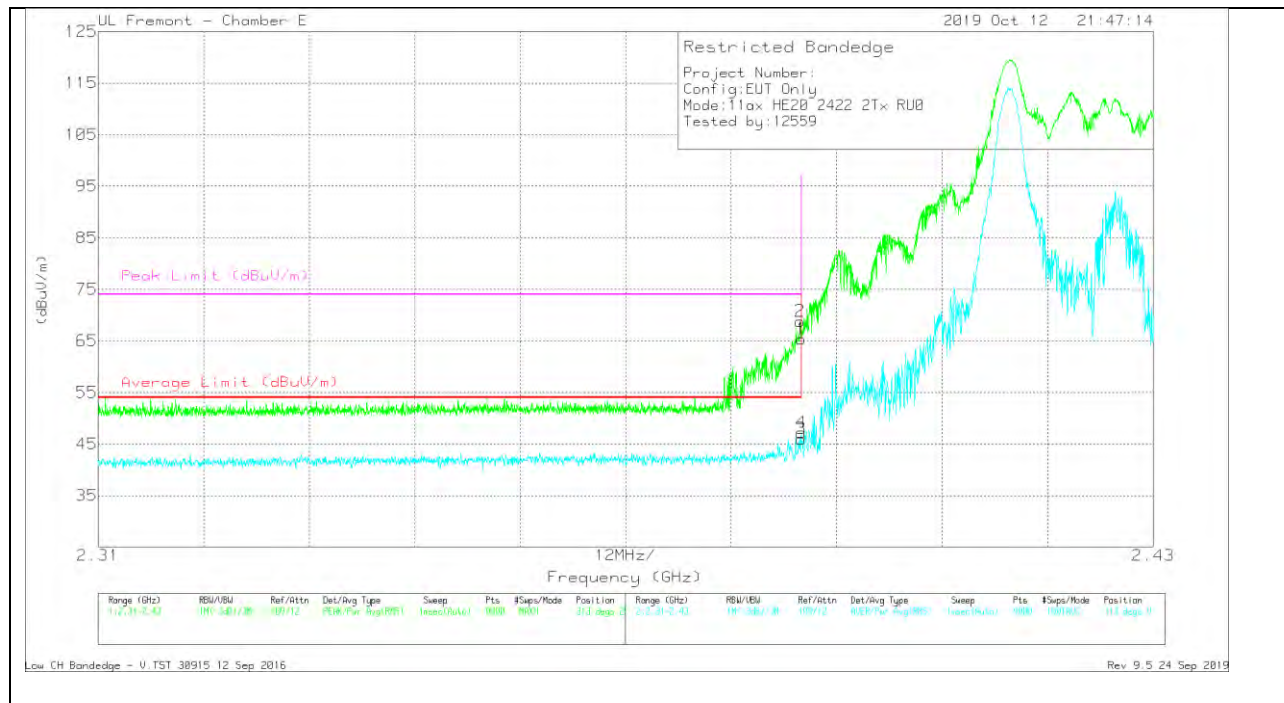


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.38999       | 47.15                | Pk  | 32.3           | -18.2                   | 61.25                      | -                      | -           | 74                  | -12.75         | 185            | 206         | H        |
| 2      | * 2.38998       | 46.46                | Pk  | 32.3           | -18.2                   | 60.56                      | -                      | -           | 74                  | -13.44         | 185            | 206         | H        |
| 3      | * 2.38999       | 29.42                | RMS | 32.3           | -18.2                   | 43.52                      | 54                     | -10.48      | -                   | -              | 185            | 206         | H        |
| 4      | * 2.38807       | 29.56                | RMS | 32.3           | -18.2                   | 43.66                      | 54                     | -10.34      | -                   | -              | 185            | 206         | H        |

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

Low CH Bandedge - H.TST 30915 12 Sep 2016  
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## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.38999       | 51.27                | Pk  | 32.3           | -18.2                  | 65.37                      | -                      | -           | 74                  | -8.63          | 313            | 255         | V        |
| 2      | * 2.38996       | 54.71                | Pk  | 32.3           | -18.2                  | 68.81                      | -                      | -           | 74                  | -5.19          | 313            | 255         | V        |
| 3      | * 2.38999       | 31.91                | RMS | 32.3           | -18.2                  | 46.01                      | 54                     | -7.99       | -                   | -              | 313            | 255         | V        |
| 4      | * 2.38996       | 33.13                | RMS | 32.3           | -18.2                  | 47.23                      | 54                     | -6.77       | -                   | -              | 313            | 255         | V        |

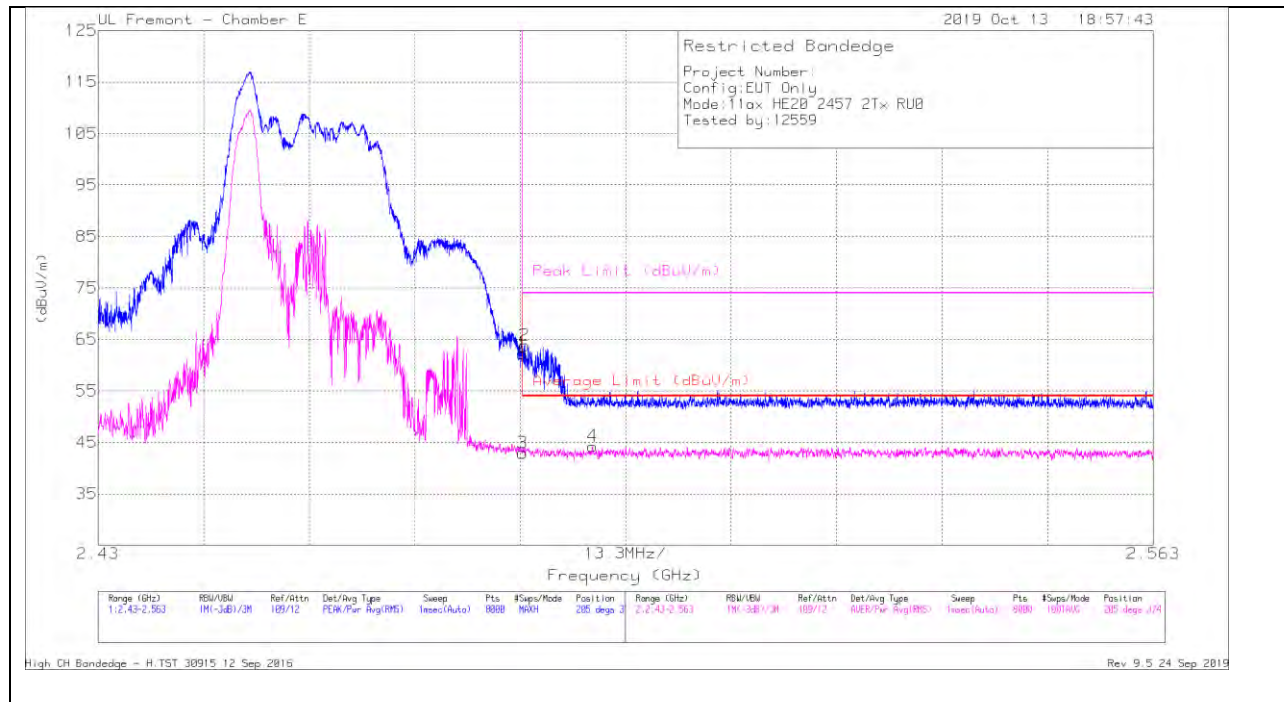
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

Low CH Bandedge - V.TST 30915 12 Sep 2016

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**BANDEDGE (HIGH CHANNEL, CH 10)****HORIZONTAL RESULT**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (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      | * 2.48351       | 47.46                | Pk  | 32.8           | -18                     | 62.26                      | -                      | -           | 74                  | -11.74         | 205            | 374         | H        |
| 3      | * 2.48351       | 28.15                | RMS | 32.8           | -18                     | 42.95                      | 54                     | -11.05      | -                   | -              | 205            | 374         | H        |
| 2      | * 2.48376       | 49.05                | Pk  | 32.8           | -18                     | 63.85                      | -                      | -           | 74                  | -10.15         | 205            | 374         | H        |
| 4      | * 2.49233       | 29.44                | RMS | 32.9           | -18.1                   | 44.24                      | 54                     | -9.76       | -                   | -              | 205            | 374         | H        |

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

Pk - Peak detector

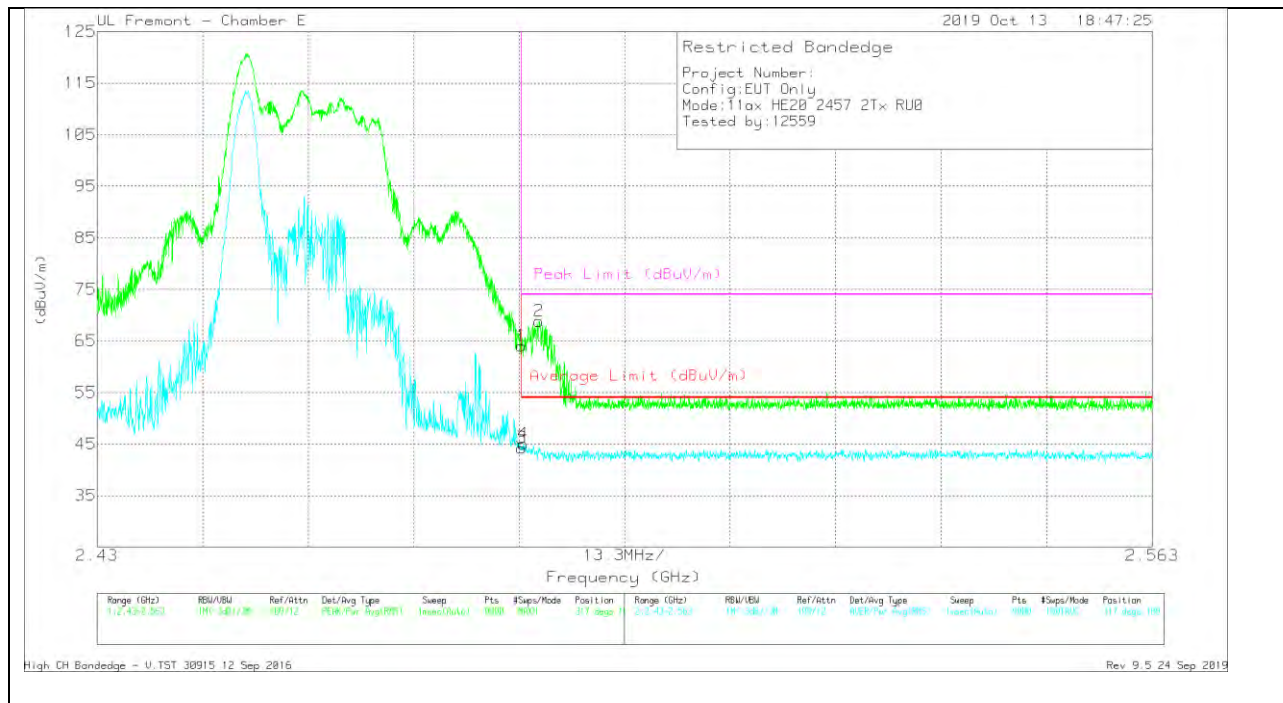
RMS - RMS detection

High CH Bandedge - H.TST 30915 12 Sep 2016

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## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 49.24                | Pk  | 32.8           | -18                    | 64.04                      | -                      | -           | 74                  | -9.96          | 317            | 188         | V        |
| 2      | * 2.4857        | 54.04                | Pk  | 32.8           | -18                    | 68.84                      | -                      | -           | 74                  | -5.16          | 317            | 188         | V        |
| 3      | * 2.48351       | 29.47                | RMS | 32.8           | -18                    | 44.27                      | 54                     | -9.73       | -                   | -              | 317            | 188         | V        |
| 4      | * 2.48371       | 30.23                | RMS | 32.8           | -18                    | 45.03                      | 54                     | -8.97       | -                   | -              | 317            | 188         | V        |

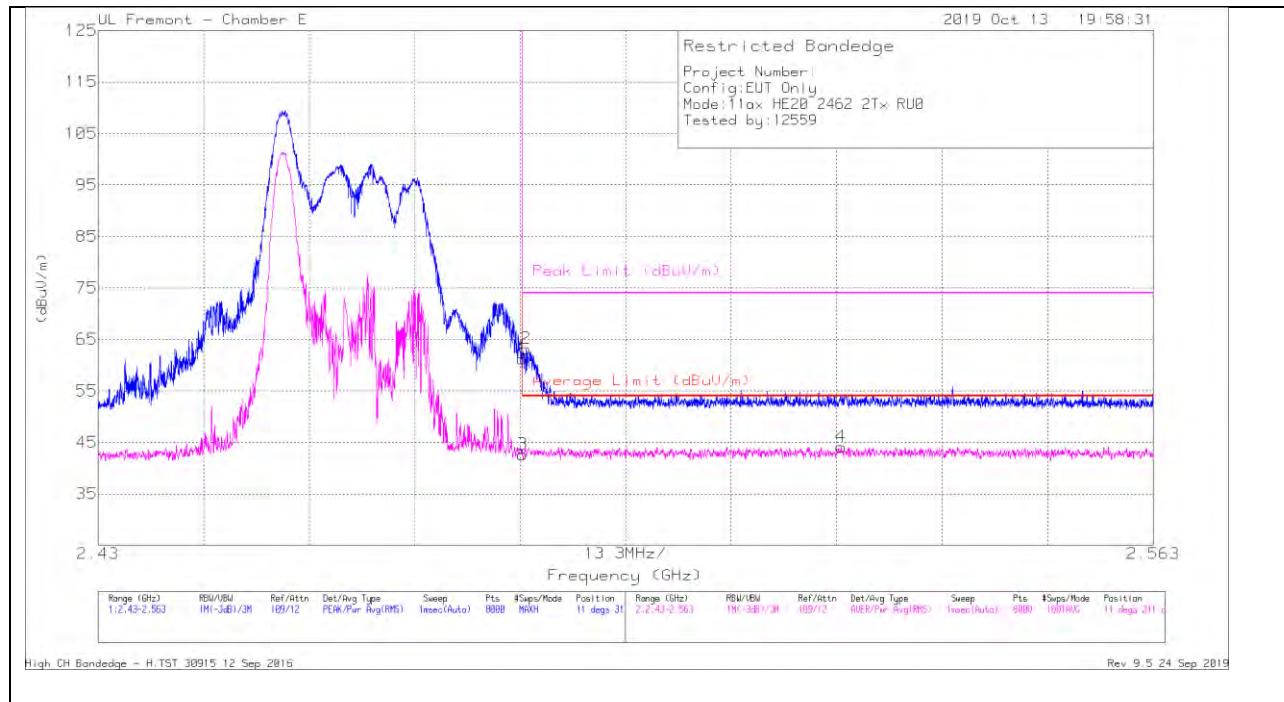
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

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**BANDEDGE (HIGH CHANNEL, CH 11)****HORIZONTAL RESULT**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Ampl/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      | * 2.48351       | 46.45                | Pk  | 32.8           | -18                      | 61.25                      | -                      | -           | 74                  | -12.75         | 11             | 311         | H        |
| 3      | * 2.48351       | 27.88                | RMS | 32.8           | -18                      | 42.68                      | 54                     | -11.32      | -                   | -              | 11             | 311         | H        |
| 2      | * 2.48395       | 48.42                | Pk  | 32.8           | -18                      | 63.22                      | -                      | -           | 74                  | -10.78         | 11             | 311         | H        |
| 4      | 2.52366         | 29.35                | RMS | 32.9           | -18.1                    | 44.15                      | 54                     | -9.85       | -                   | -              | 11             | 311         | H        |

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

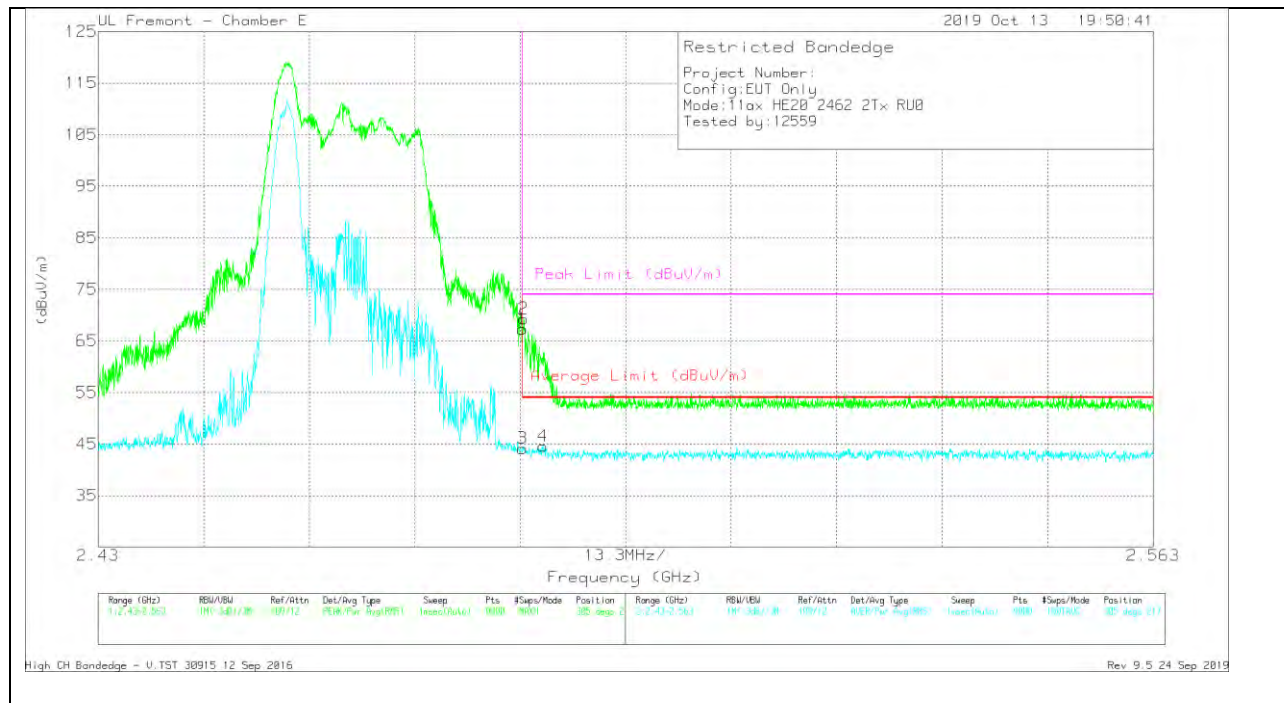
Pk - Peak detector

RMS - RMS detection

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## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 52.51                | PK  | 32.8           | -18                    | 67.31                      | -                      | -           | 74                  | -6.69          | 305            | 217         | V        |
| 3      | * 2.48351       | 29.35                | RMS | 32.8           | -18                    | 44.15                      | 54                     | -9.85       | -                   | -              | 305            | 217         | V        |
| 2      | * 2.48366       | 54.48                | PK  | 32.8           | -18                    | 69.28                      | -                      | -           | 74                  | -4.72          | 305            | 217         | V        |
| 4      | * 2.48607       | 29.78                | RMS | 32.8           | -18                    | 44.58                      | 54                     | -9.42       | -                   | -              | 305            | 217         | V        |

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

PK - Peak detector

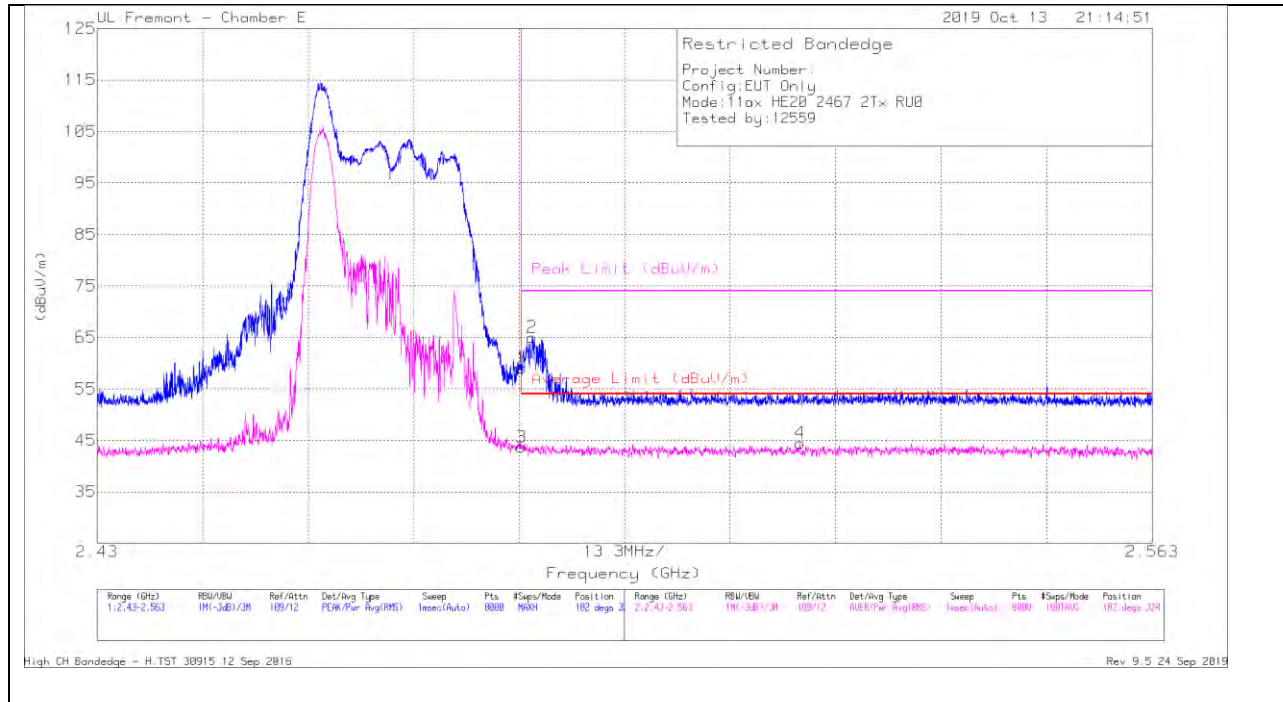
RMS - RMS detection

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## BANDEDGE (HIGH CHANNEL, CH 12)

### HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (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      | * 2.48351       | 44.32                | Pk  | 32.8           | -18                    | 59.12                      | -                      | -           | 74                  | -14.88         | 182            | 324         | H        |
| 3      | * 2.48351       | 28.94                | RMS | 32.8           | -18                    | 43.74                      | 54                     | -10.26      | -                   | -              | 182            | 324         | H        |
| 2      | * 2.4848        | 50.21                | Pk  | 32.8           | -18                    | 65.01                      | -                      | -           | 74                  | -8.99          | 182            | 324         | H        |
| 4      | 2.51862         | 29.7                 | RMS | 32.9           | -18.1                  | 44.5                       | 54                     | -9.5        | -                   | -              | 182            | 324         | H        |

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

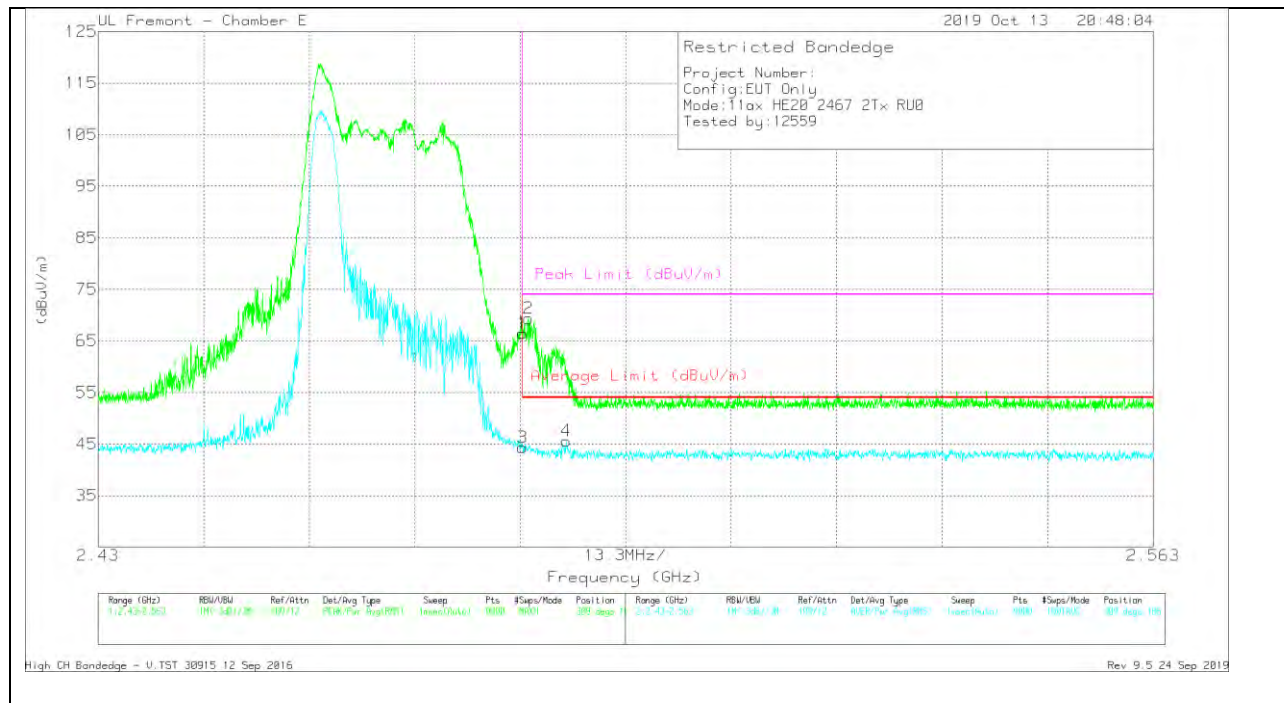
Pk - Peak detector

RMS - RMS detection

High CH Bandedge - H.TST 30915 12 Sep 2016

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## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 51.68                | Pk  | 32.8           | -18                    | 66.48                      | -                      | -           | 74                  | -7.52          | 309            | 186         | V        |
| 3      | * 2.48351       | 29.55                | RMS | 32.8           | -18                    | 44.35                      | 54                     | -9.65       | -                   | -              | 309            | 186         | V        |
| 2      | * 2.48424       | 54.54                | Pk  | 32.8           | -18                    | 69.34                      | -                      | -           | 74                  | -4.66          | 309            | 186         | V        |
| 4      | * 2.48901       | 30.89                | RMS | 32.8           | -18.1                  | 45.59                      | 54                     | -8.41       | -                   | -              | 309            | 186         | V        |

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

PK - Peak detector

RMS - RMS detection

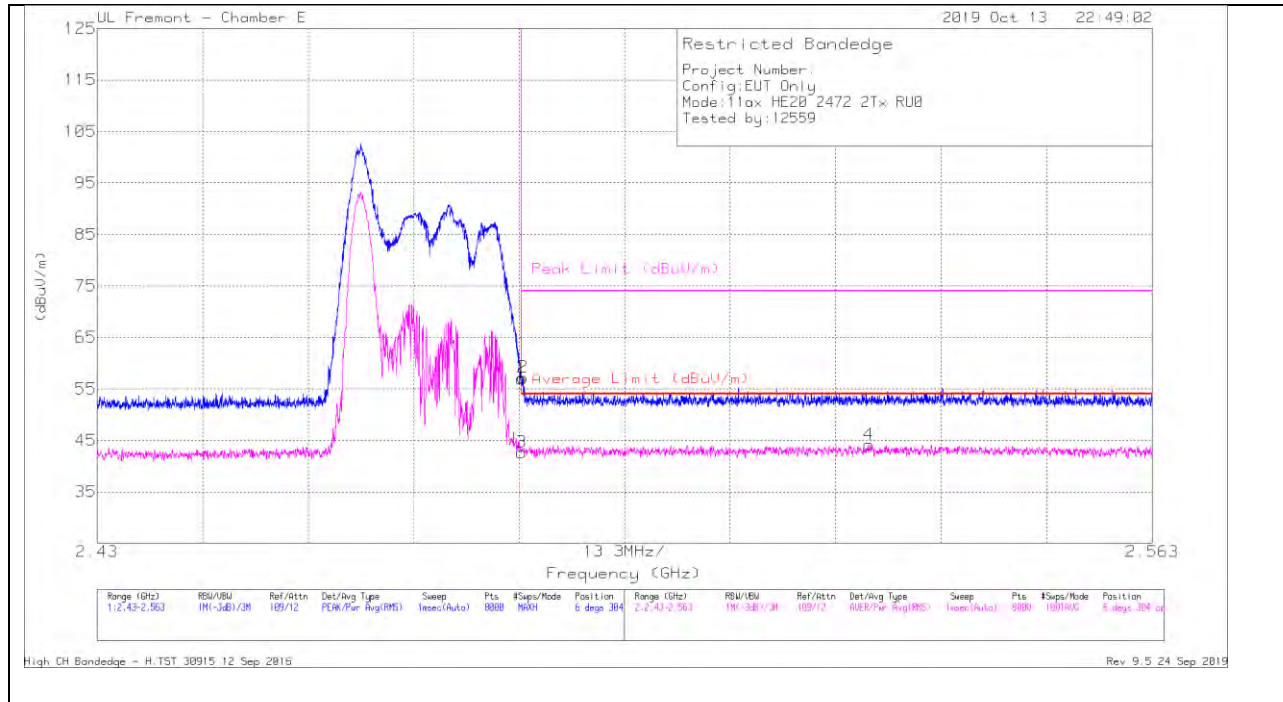
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## BANDEDGE (HIGH CHANNEL, CH 13)

### 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      | * 2.48351       | 42.2                 | Pk  | 32.8           | -18                   | 57                         | -                      | -           | 74                  | -17            | 6              | 304         | H        |
| 3      | * 2.48351       | 27.9                 | RMS | 32.8           | -18                   | 42.7                       | 54                     | -11.3       | -                   | -              | 6              | 304         | H        |
| 2      | * 2.48367       | 42.43                | Pk  | 32.8           | -18                   | 57.23                      | -                      | -           | 74                  | -16.77         | 6              | 304         | H        |
| 4      | 2.52725         | 29.42                | RMS | 32.9           | -18.1                 | 44.22                      | 54                     | -9.78       | -                   | -              | 6              | 304         | H        |

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

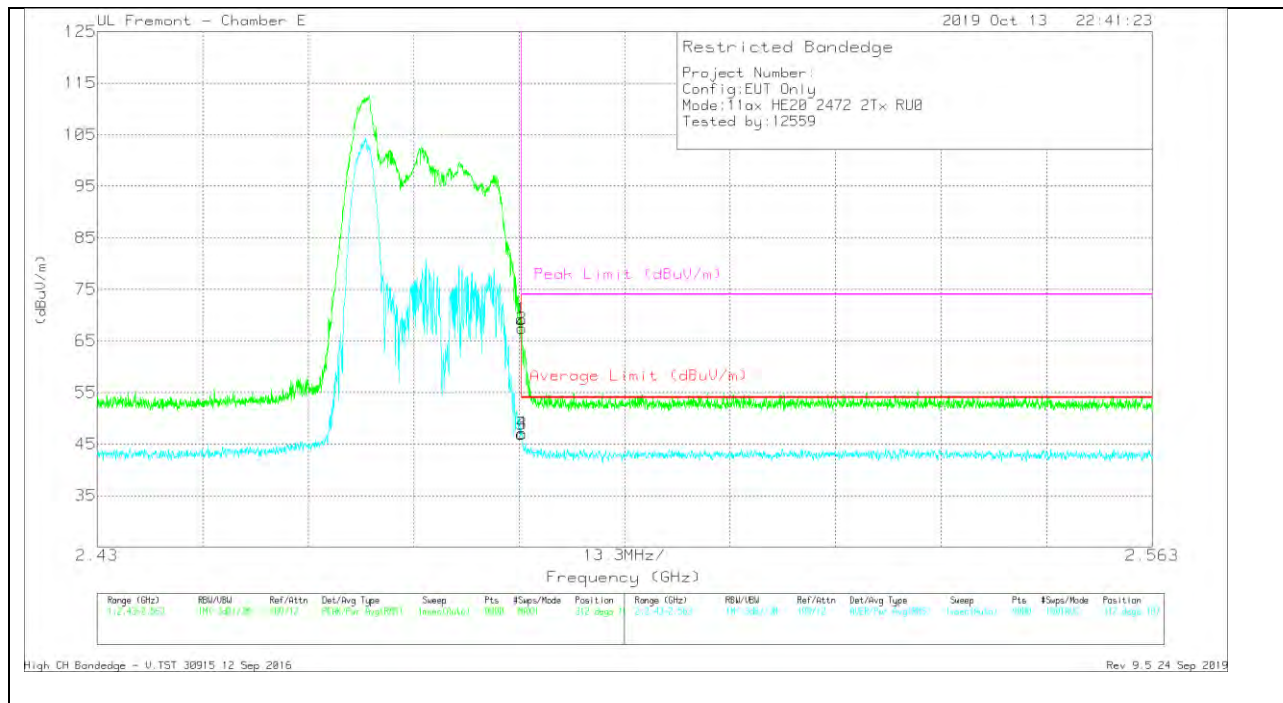
Pk - Peak detector

RMS - RMS detection

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## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 54.42                | PK  | 32.8           | -18                    | 69.22                      | -                      | -           | 74                  | -4.78          | 312            | 187         | V        |
| 3      | * 2.48351       | 32.15                | RMS | 32.8           | -18                    | 46.95                      | 54                     | -7.05       | -                   | -              | 312            | 187         | V        |
| 2      | * 2.48356       | 52.61                | PK  | 32.8           | -18                    | 67.41                      | -                      | -           | 74                  | -6.59          | 312            | 187         | V        |
| 4      | * 2.48357       | 32.31                | RMS | 32.8           | -18                    | 47.11                      | 54                     | -6.89       | -                   | -              | 312            | 187         | V        |

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

PK - Peak detector

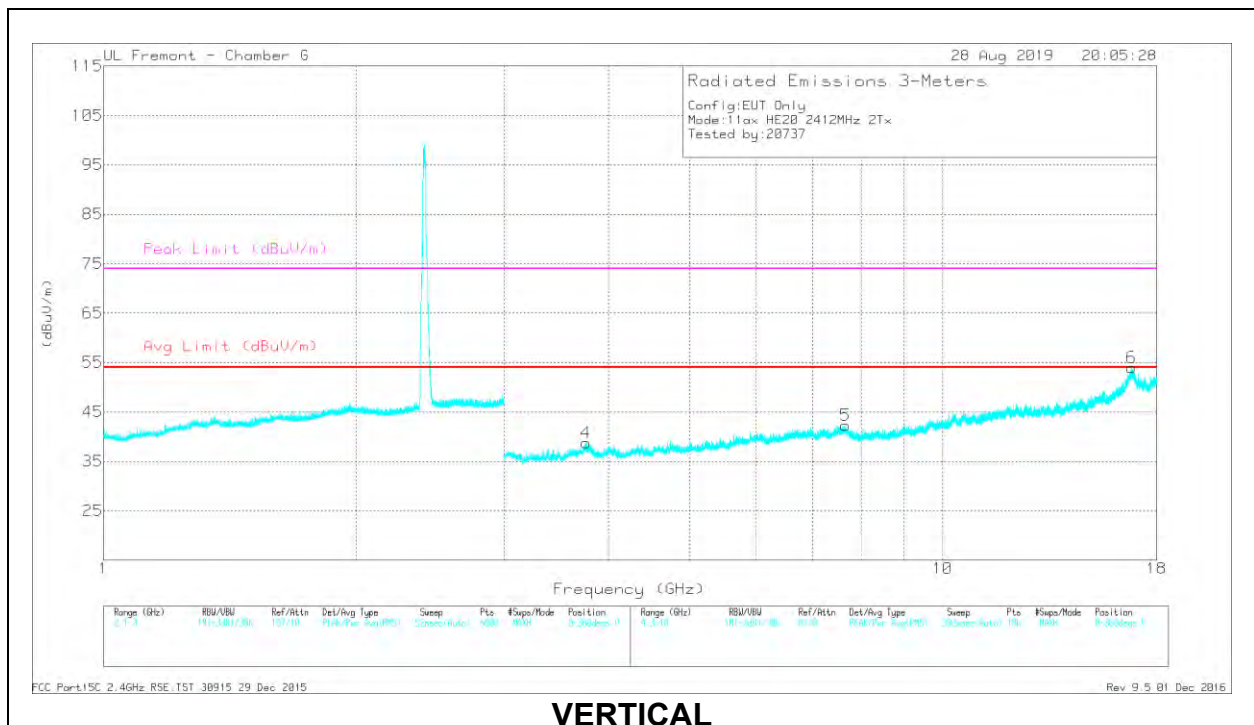
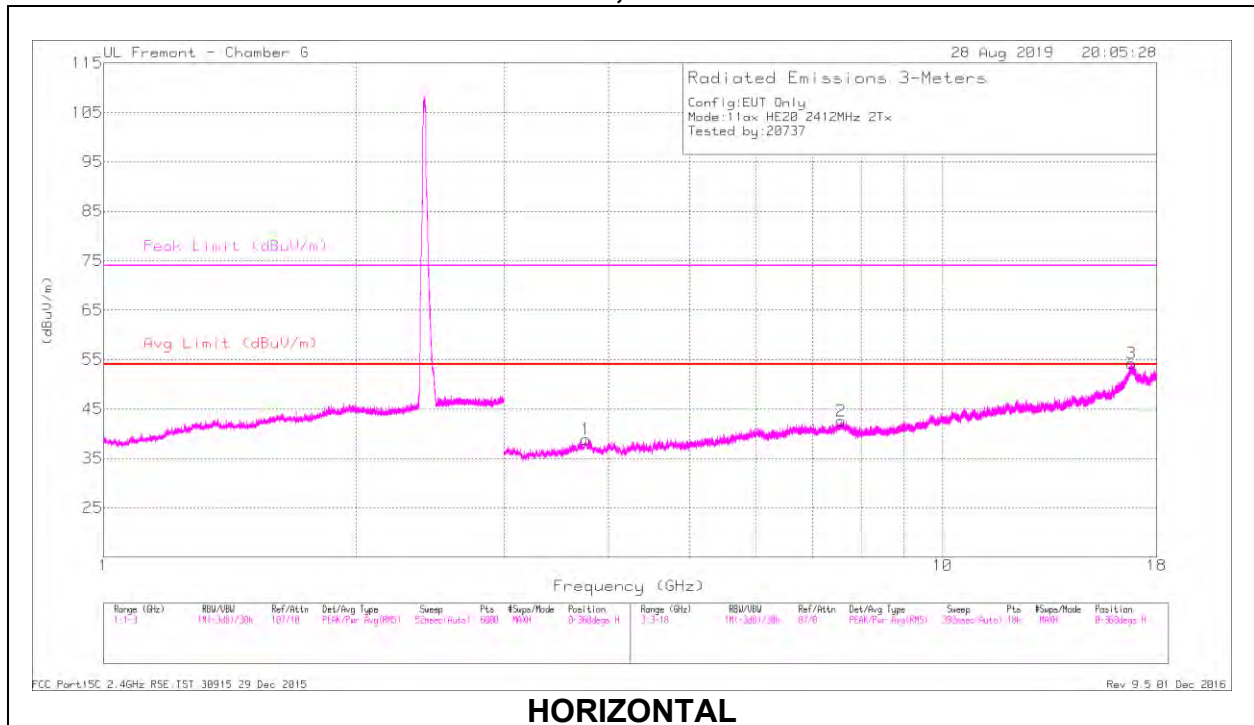
RMS - RMS detection

High CH Bandedge - V.TST 30915 12 Sep 2016

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## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL, CH 1 RESULTS



## RADIATED EMISSIONS

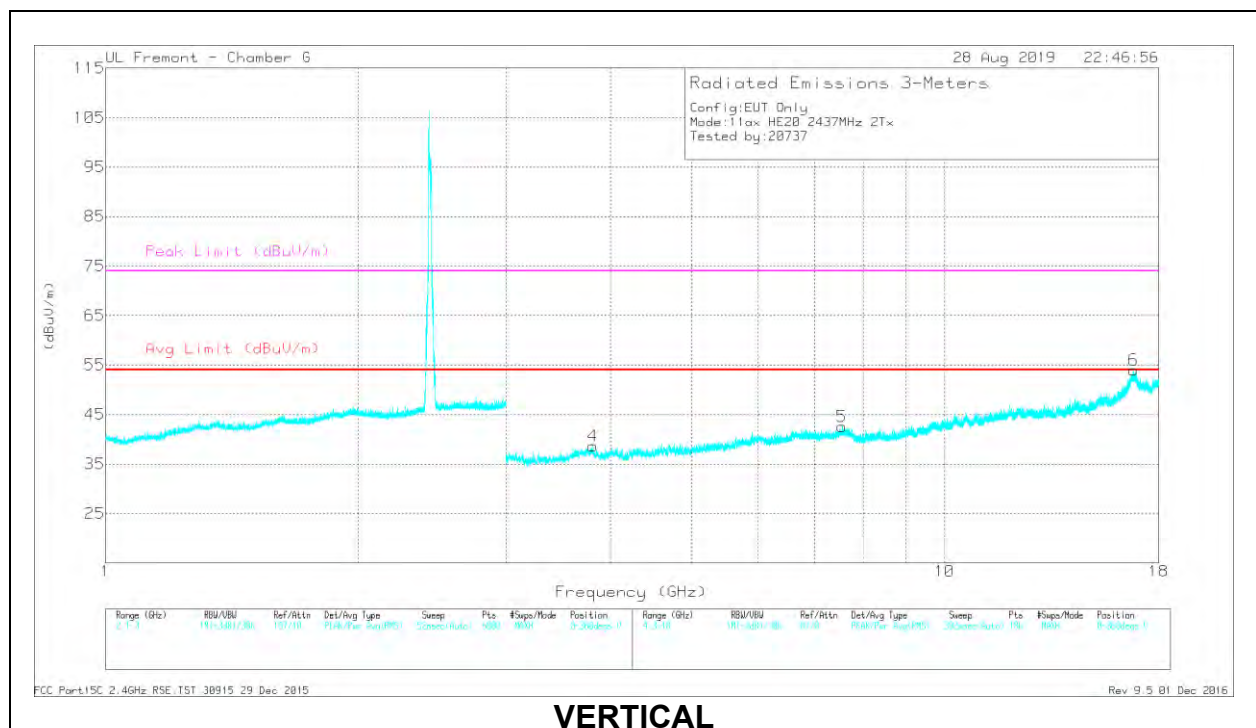
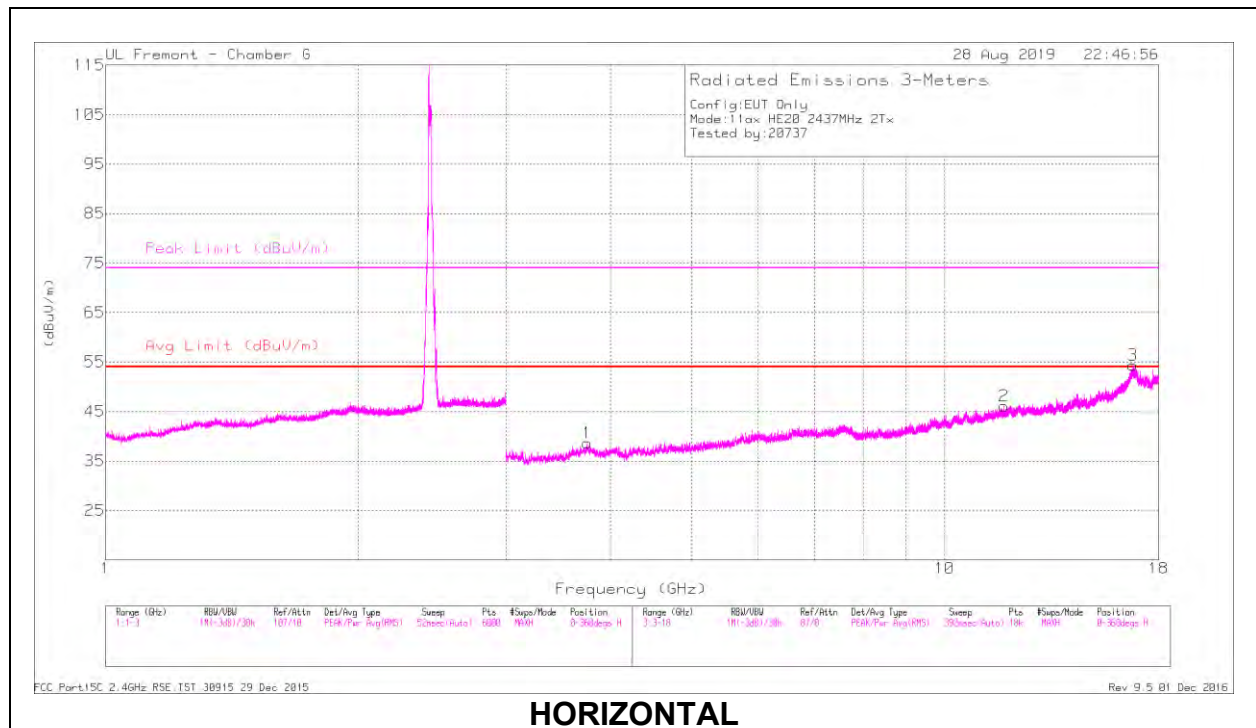
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AFT136 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|---------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 3.758         | 41.26                | PK2  | 33.2          | -29                    | 45.46                      | -                  | -           | 74                  | -28.54         | 301            | 240         | H        |
|        | * 3.759         | 30.09                | MAv1 | 33.2          | -29                    | 34.29                      | 54                 | -19.71      | -                   | -              | 301            | 240         | H        |
| 2      | * 7.573         | 39.17                | PK2  | 37            | -27                    | 49.17                      | -                  | -           | 74                  | -24.83         | 235            | 165         | H        |
|        | * 7.575         | 28.12                | MAv1 | 37            | -27                    | 38.12                      | 54                 | -15.88      | -                   | -              | 235            | 165         | H        |
| 4      | * 3.756         | 40.99                | PK2  | 33.2          | -28.9                  | 45.29                      | -                  | -           | 74                  | -28.71         | 209            | 276         | V        |
|        | * 3.758         | 30.1                 | MAv1 | 33.2          | -29                    | 34.3                       | 54                 | -19.7       | -                   | -              | 209            | 276         | V        |
| 5      | * 7.666         | 40.7                 | PK2  | 37.1          | -27.8                  | 50                         | -                  | -           | 74                  | -24            | 126            | 155         | V        |
|        | * 7.666         | 28.98                | MAv1 | 37.1          | -27.8                  | 38.28                      | 54                 | -15.72      | -                   | -              | 126            | 155         | V        |
| 6      | 16.792          | 36.45                | PK2  | 41.8          | -17.4                  | 60.85                      | -                  | -           | -                   | -              | 36             | 222         | V        |
| 3      | 16.793          | 36.82                | PK2  | 41.8          | -17.4                  | 61.22                      | -                  | -           | -                   | -              | 296            | 123         | H        |

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

## MID CHANNEL, CH 6 RESULTS





## RADIATED EMISSIONS

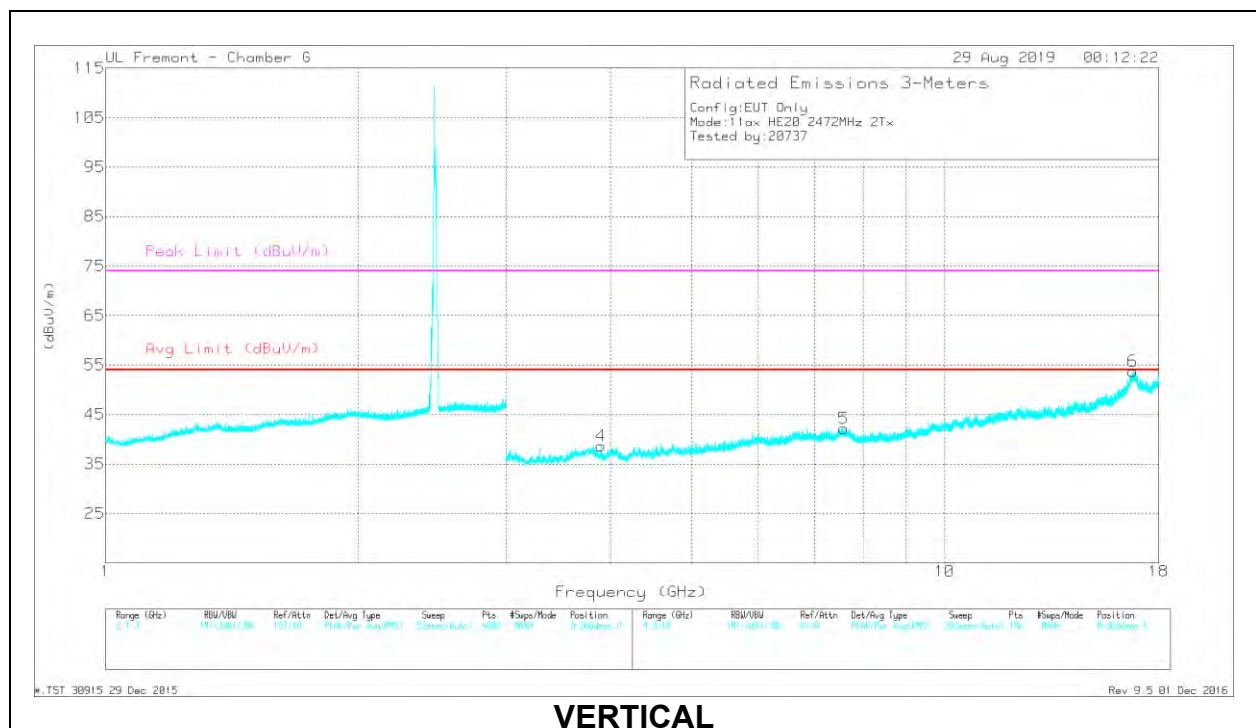
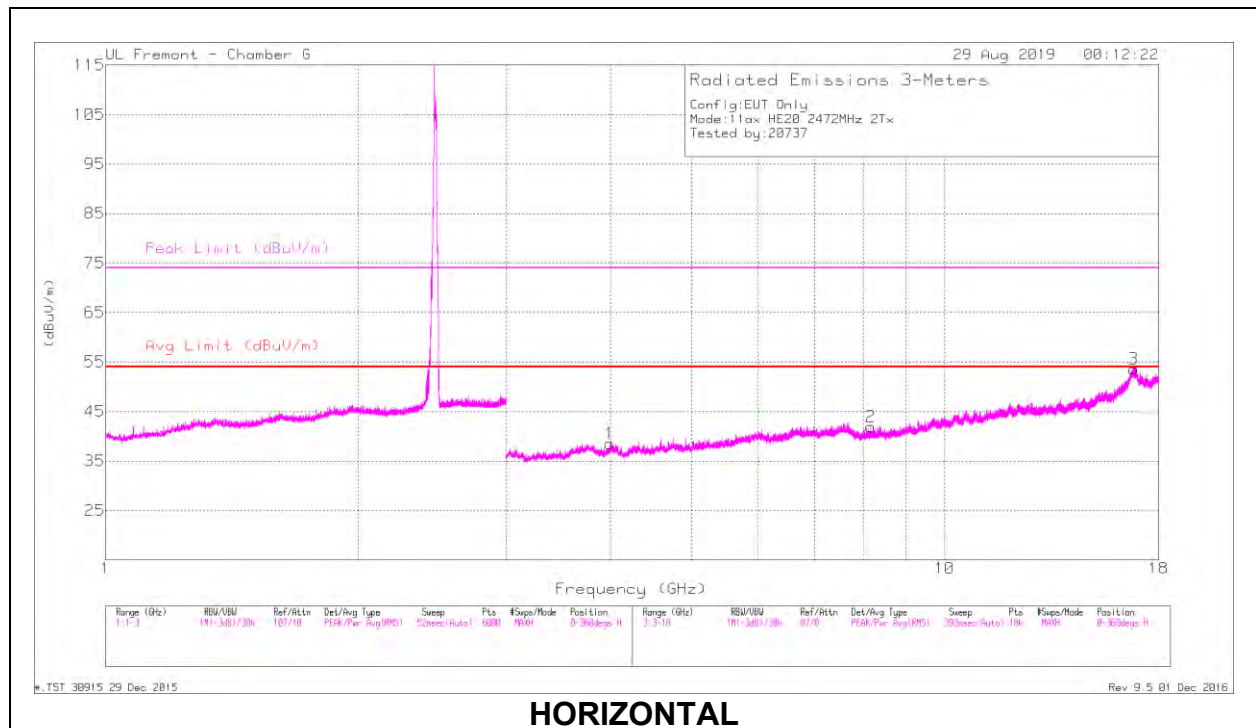
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AFT136 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|---------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 3.751         | 40.39                | PK2  | 33.2          | -28.9                  | 44.69                      | -                  | -           | 74                  | -29.31         | 67             | 261         | H        |
|        | * 3.751         | 29.55                | MAv1 | 33.2          | -28.9                  | 33.85                      | 54                 | -20.15      | -                   | -              | 67             | 261         | H        |
| 2      | * 11.784        | 37.73                | PK2  | 38.6          | -23.2                  | 53.13                      | -                  | -           | 74                  | -20.87         | 165            | 169         | H        |
|        | * 11.783        | 26.05                | MAv1 | 38.6          | -23.3                  | 41.35                      | 54                 | -12.65      | -                   | -              | 165            | 169         | H        |
| 4      | * 3.815         | 42.01                | PK2  | 33.5          | -30.1                  | 45.41                      | -                  | -           | 74                  | -28.59         | 184            | 264         | V        |
|        | * 3.813         | 30.2                 | MAv1 | 33.5          | -30                    | 33.7                       | 54                 | -20.3       | -                   | -              | 184            | 264         | V        |
| 5      | * 7.545         | 39.14                | PK2  | 36.9          | -27                    | 49.04                      | -                  | -           | 74                  | -24.96         | 122            | 161         | V        |
|        | * 7.547         | 27.99                | MAv1 | 36.9          | -27                    | 37.89                      | 54                 | -16.11      | -                   | -              | 122            | 161         | V        |
| 3      | 16.783          | 36.78                | PK2  | 41.8          | -17.5                  | 61.08                      | -                  | -           | -                   | -              | 246            | 193         | H        |
| 6      | 16.799          | 36.33                | PK2  | 41.8          | -17.5                  | 60.63                      | -                  | -           | -                   | -              | 78             | 267         | 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, CH 13 RESULTS



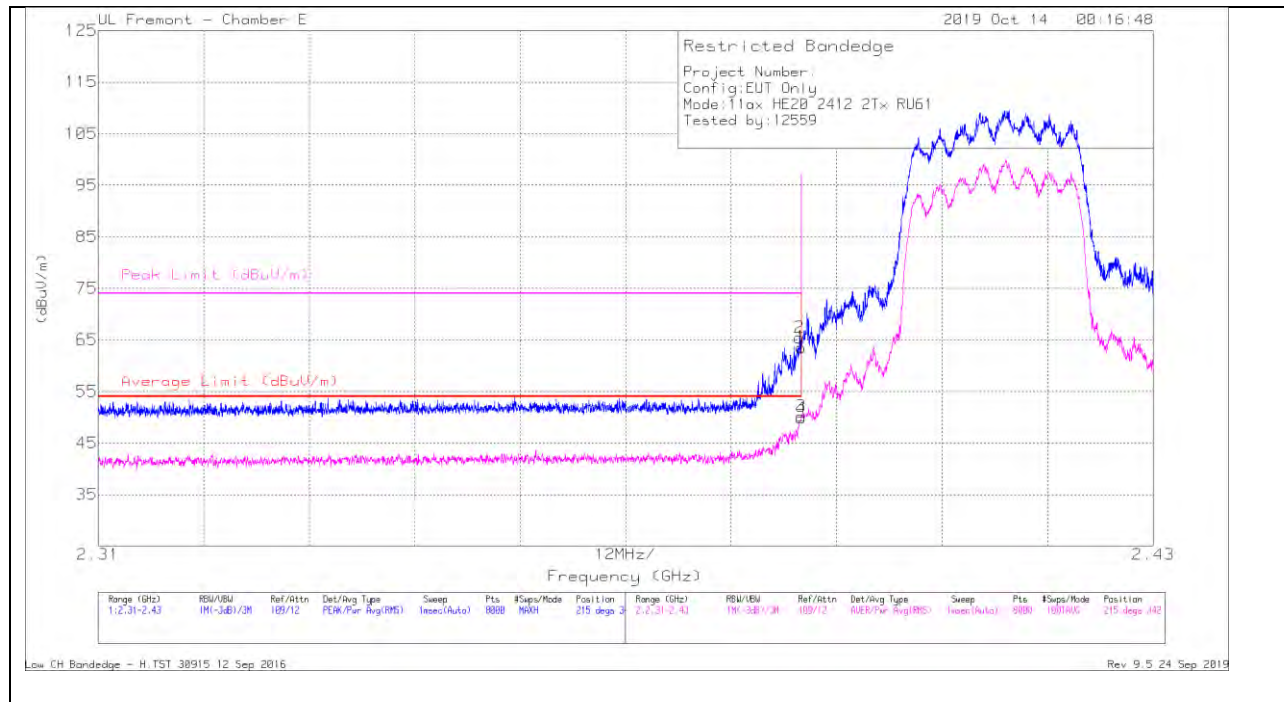
## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AFT136 (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      | * 3.988         | 40.98                | PK2  | 33.3          | -29.6                  | 44.68                      | -                  | -           | 74                  | -29.32         | 103            | 141         | H        |
|        | * 3.988         | 29.71                | MAv1 | 33.3          | -29.6                  | 33.41                      | 54                 | -20.59      | -                   | -              | 103            | 141         | H        |
| 2      | * 8.165         | 39.52                | PK2  | 35.6          | -26.4                  | 48.72                      | -                  | -           | 74                  | -25.28         | 157            | 273         | H        |
|        | * 8.162         | 27.85                | MAv1 | 35.6          | -26.3                  | 37.15                      | 54                 | -16.85      | -                   | -              | 157            | 273         | H        |
| 4      | * 3.899         | 42.02                | PK2  | 33.4          | -30.4                  | 45.02                      | -                  | -           | 74                  | -28.98         | 315            | 299         | V        |
|        | * 3.899         | 30.62                | MAv1 | 33.4          | -30.4                  | 33.62                      | 54                 | -20.38      | -                   | -              | 315            | 299         | V        |
| 5      | * 7.586         | 39.01                | PK2  | 37            | -27.1                  | 48.91                      | -                  | -           | 74                  | -25.09         | 257            | 283         | V        |
|        | * 7.587         | 27.93                | MAv1 | 37            | -27.1                  | 37.83                      | 54                 | -16.17      | -                   | -              | 257            | 283         | V        |
| 6      | 16.77           | 37.27                | PK2  | 41.8          | -18                    | 61.07                      | -                  | -           | -                   | -              | 317            | 239         | V        |
| 3      | 16.811          | 36.69                | PK2  | 41.8          | -17.9                  | 60.59                      | -                  | -           | -                   | -              | 256            | 288         | H        |

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**BANDEDGE ( LOW CHANNEL, CH 1)****HORIZONTAL RESULT**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AFT119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 2.38977       | 51.33                | Pk  | 32.3          | -18.2                  | 65.43                      | -                      | -           | 74                  | -8.57          | 215            | 342         | H        |
| 4      | * 2.38998       | 35.73                | RMS | 32.3          | -18.2                  | 49.83                      | 54                     | -4.17       | -                   | -              | 215            | 342         | H        |
| 1      | * 2.38999       | 49.45                | PK  | 32.3          | -18.2                  | 63.55                      | -                      | -           | 74                  | -10.45         | 215            | 342         | H        |
| 3      | * 2.38999       | 36.08                | RMS | 32.3          | -18.2                  | 50.18                      | 54                     | -3.82       | -                   | -              | 215            | 342         | H        |

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

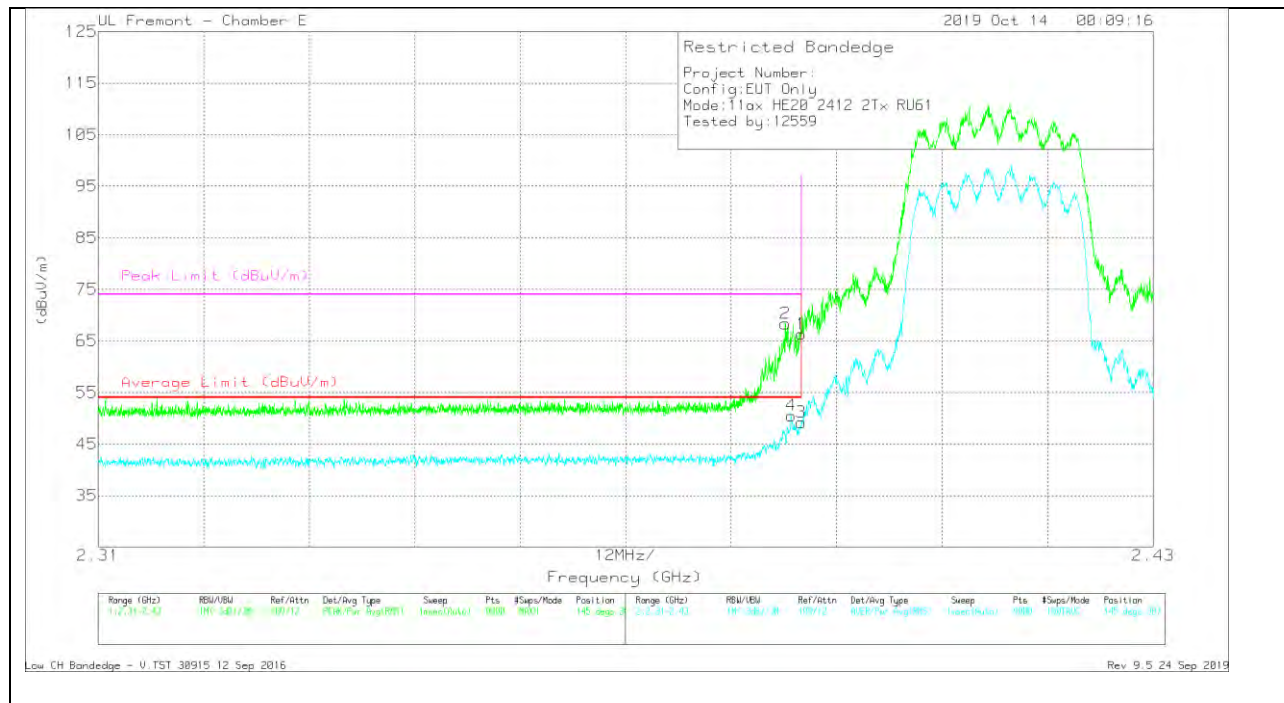
Pk - Peak detector

RMS - RMS detection

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## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 2.38816       | 54.26                | PK  | 32.3           | -18.2                  | 68.36                      | -                      | -           | 74                  | -5.64          | 145            | 387         | V        |
| 4      | * 2.38882       | 36.41                | RMS | 32.3           | -18.2                  | 50.51                      | 54                     | -3.49       | -                   | -              | 145            | 387         | V        |
| 1      | * 2.38999       | 52.21                | PK  | 32.3           | -18.2                  | 66.31                      | -                      | -           | 74                  | -7.69          | 145            | 387         | V        |
| 3      | * 2.38999       | 35.08                | RMS | 32.3           | -18.2                  | 49.18                      | 54                     | -4.82       | -                   | -              | 145            | 387         | V        |

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

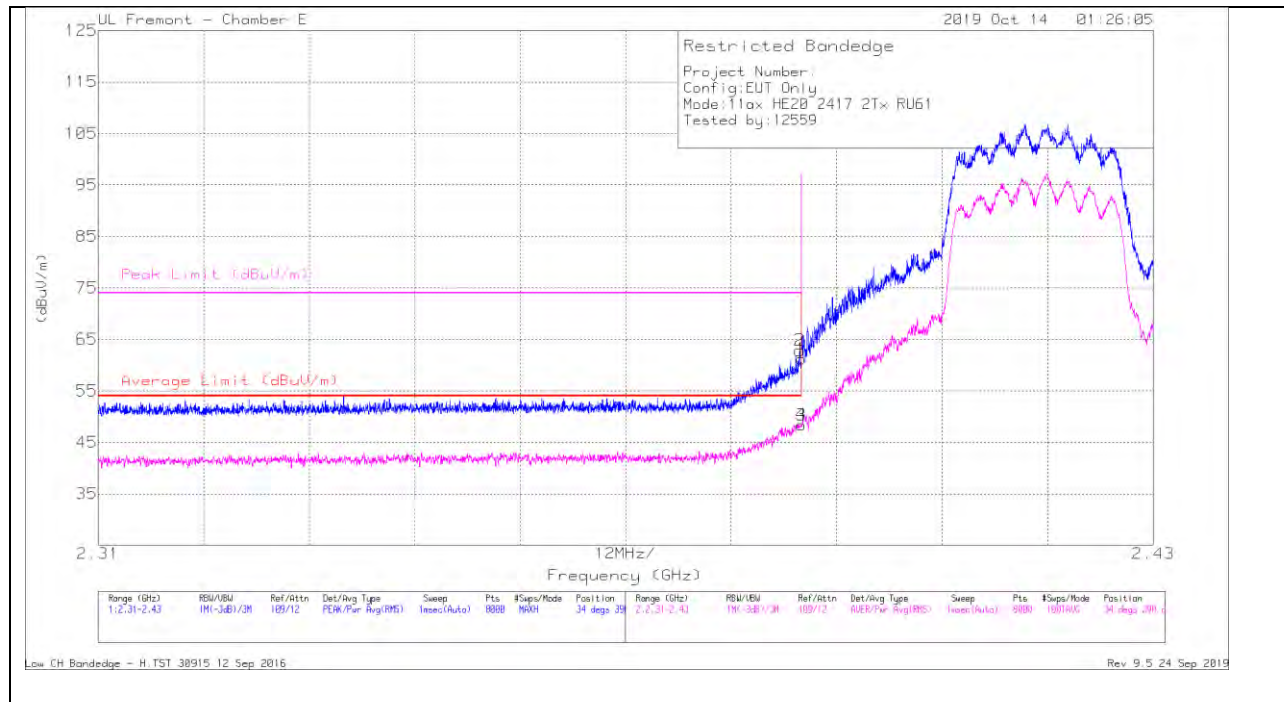
PK - Peak detector

RMS - RMS detection

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**BANDEDGE (LOW CHANNEL, CH 2)****HORIZONTAL RESULT**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 2.3898        | 48.76                | Pk  | 32.3           | -18.2                  | 62.86                      | -                      | -           | 74                  | -11.14         | 34             | 390         | H        |
| 4      | * 2.38998       | 34.33                | RMS | 32.3           | -18.2                  | 48.43                      | 54                     | -5.57       | -                   | -              | 34             | 390         | H        |
| 1      | * 2.38999       | 47.07                | Pk  | 32.3           | -18.2                  | 61.17                      | -                      | -           | 74                  | -12.83         | 34             | 390         | H        |
| 3      | * 2.38999       | 34.27                | RMS | 32.3           | -18.2                  | 48.37                      | 54                     | -5.63       | -                   | -              | 34             | 390         | H        |

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

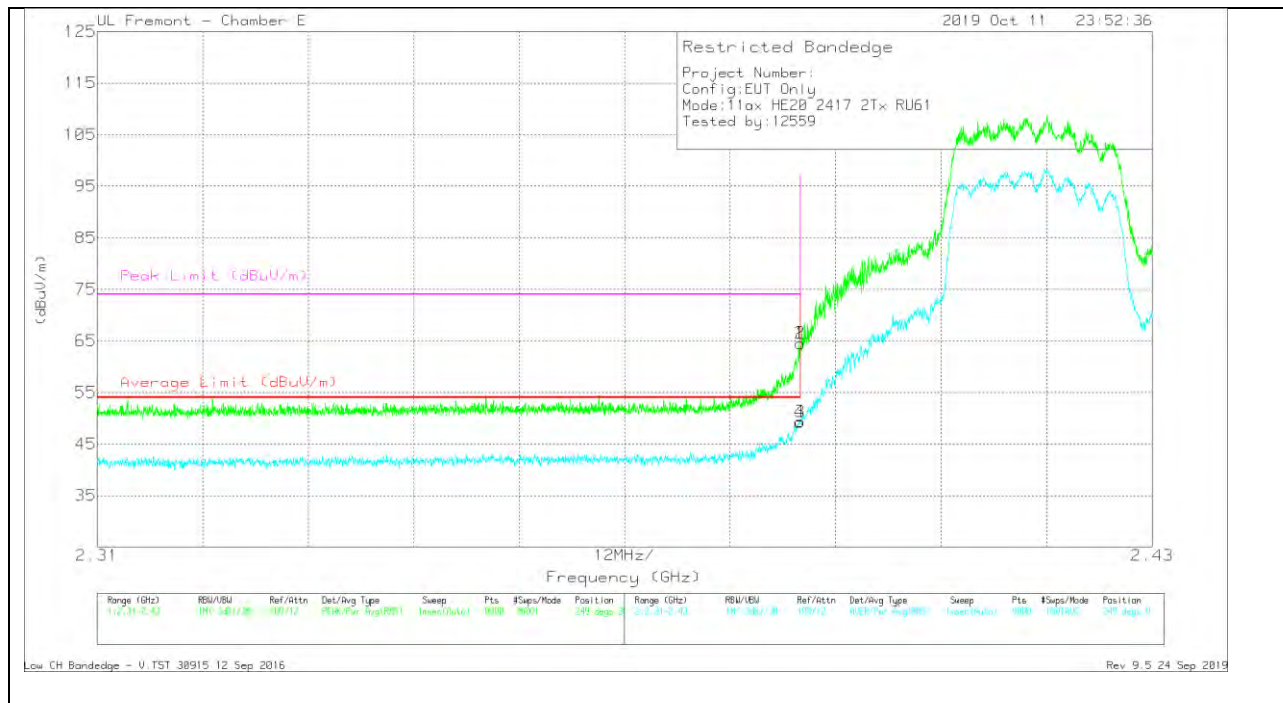
Pk - Peak detector

RMS - RMS detection

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## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.38999       | 50.44                | Pk  | 32.3           | -18.2                  | 64.54                      | -                      | -           | 74                  | -9.46          | 249            | 387         | V        |
| 2      | * 2.38998       | 50.45                | Pk  | 32.3           | -18.2                  | 64.55                      | -                      | -           | 74                  | -9.45          | 249            | 387         | V        |
| 3      | * 2.38999       | 35.23                | RMS | 32.3           | -18.2                  | 49.33                      | 54                     | -4.67       | -                   | -              | 249            | 387         | V        |
| 4      | * 2.38989       | 35.15                | RMS | 32.3           | -18.2                  | 49.25                      | 54                     | -4.75       | -                   | -              | 249            | 387         | V        |

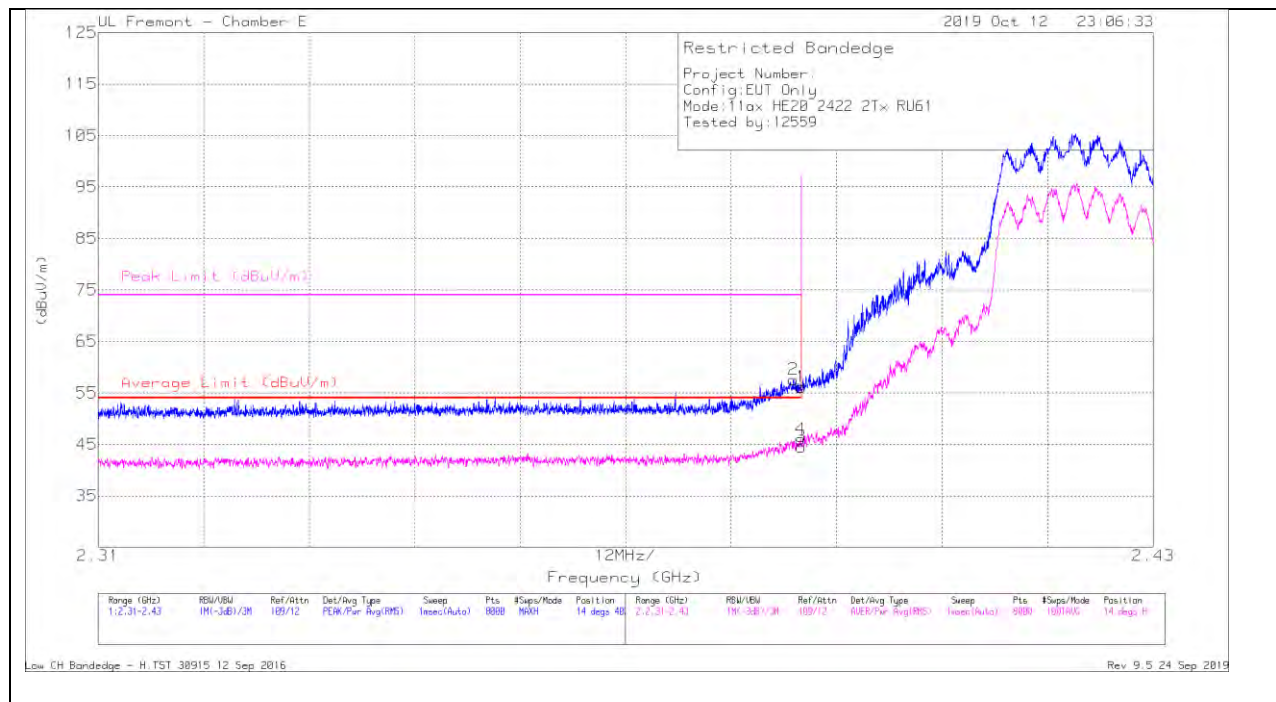
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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**BANDEDGE (LOW CHANNEL, CH 3)****HORIZONTAL RESULT**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 2.38908       | 43.5                 | Pk  | 32.3           | -18.2                  | 57.6                       | -                      | -           | 74                  | -16.4          | 14             | 402         | H        |
| 4      | * 2.3899        | 31.95                | RMS | 32.3           | -18.2                  | 46.05                      | 54                     | -7.95       | -                   | -              | 14             | 402         | H        |
| 1      | * 2.38999       | 42.04                | Pk  | 32.3           | -18.2                  | 56.14                      | -                      | -           | 74                  | -17.86         | 14             | 402         | H        |
| 3      | * 2.38999       | 30.42                | RMS | 32.3           | -18.2                  | 44.52                      | 54                     | -9.48       | -                   | -              | 14             | 402         | H        |

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

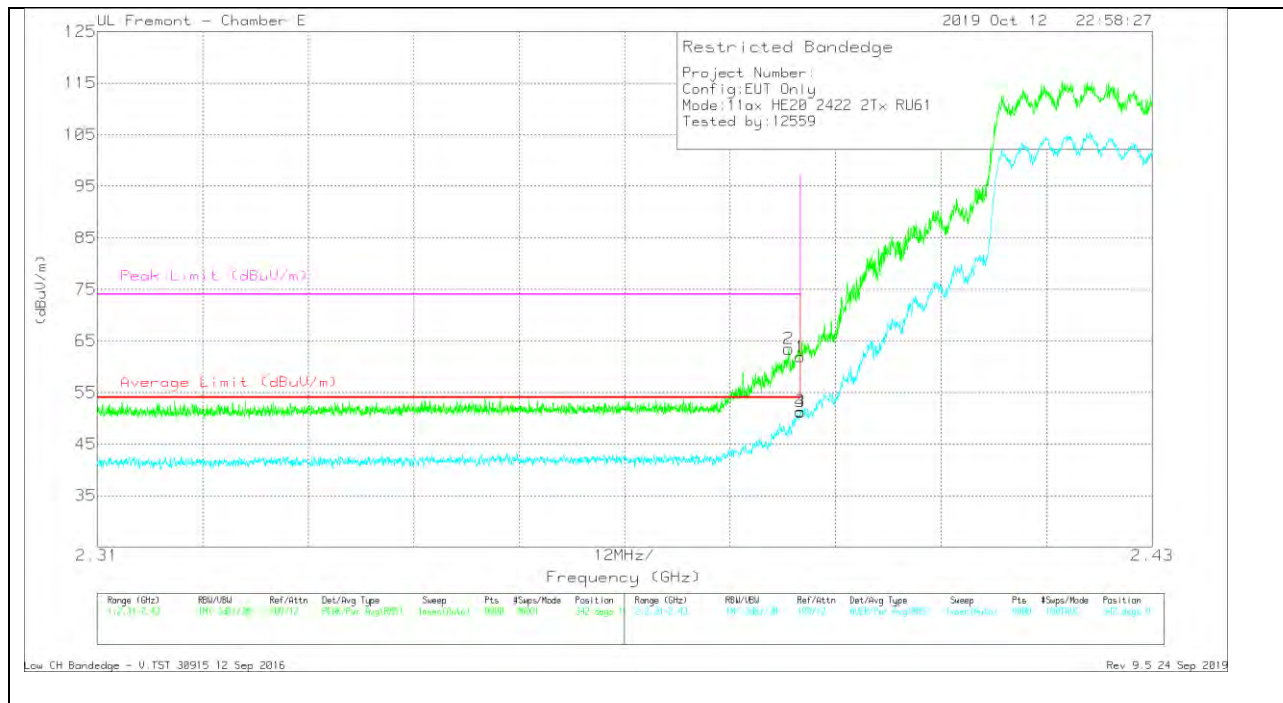
Pk - Peak detector

RMS - RMS detection

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## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Dogs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.38999       | 47.83                | Pk  | 32.3           | -18.2                  | 61.93                      | -                      | -           | 74                  | -12.07         | 342            | 196         | V        |
| 2      | * 2.38866       | 49.38                | Pk  | 32.3           | -18.2                  | 63.48                      | -                      | -           | 74                  | -10.52         | 342            | 196         | V        |
| 3      | * 2.38999       | 37.22                | RMS | 32.3           | -18.2                  | 51.32                      | 54                     | -2.68       | -                   | -              | 342            | 196         | V        |
| 4      | * 2.38998       | 37.07                | RMS | 32.3           | -18.2                  | 51.17                      | 54                     | -2.83       | -                   | -              | 342            | 196         | V        |

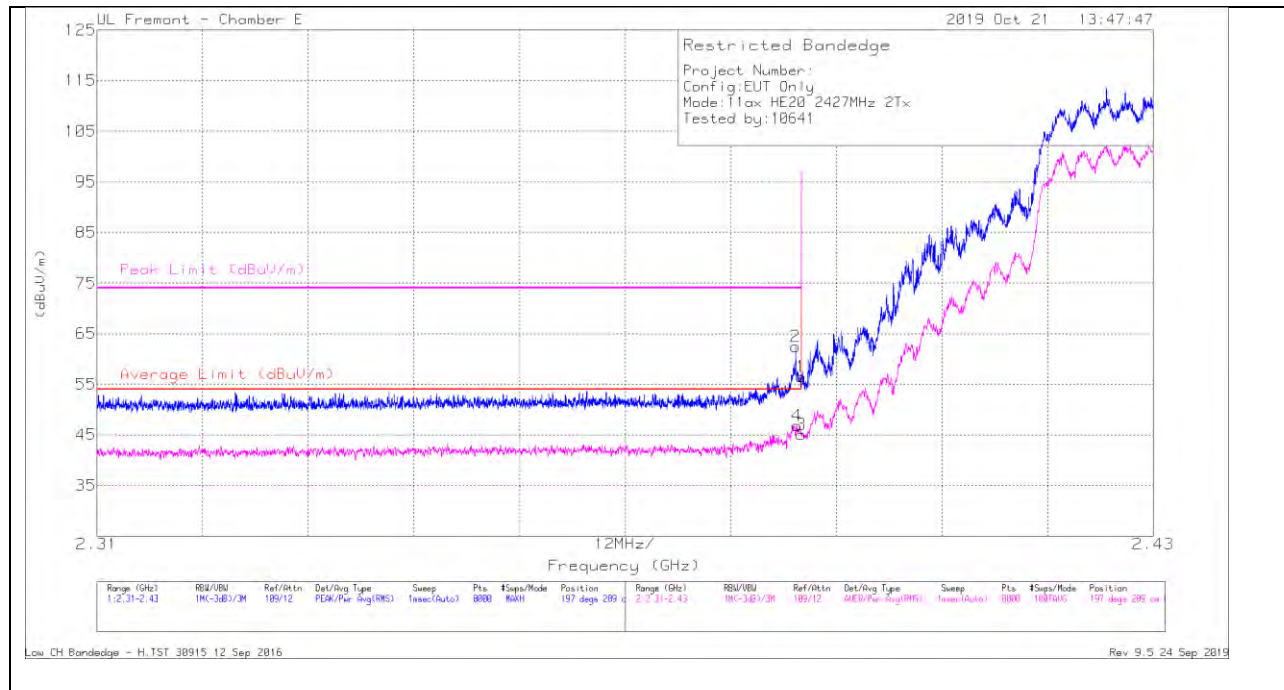
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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**BANDEDGE (LOW CHANNEL, CH 4)****HORIZONTAL RESULT**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.38999       | 42.37                | Pk  | 32.3           | -18.2                  | 56.47                      | -                      | -           | 74                  | -17.53         | 197            | 289         | H        |
| 2      | * 2.38938       | 48.34                | Pk  | 32.3           | -18.2                  | 62.44                      | -                      | -           | 74                  | -11.56         | 197            | 289         | H        |
| 3      | * 2.38999       | 30.97                | RMS | 32.3           | -18.2                  | 45.07                      | 54                     | -8.93       | -                   | -              | 197            | 289         | H        |
| 4      | * 2.38948       | 32.66                | RMS | 32.3           | -18.2                  | 46.76                      | 54                     | -7.24       | -                   | -              | 197            | 289         | H        |

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

Pk - Peak detector

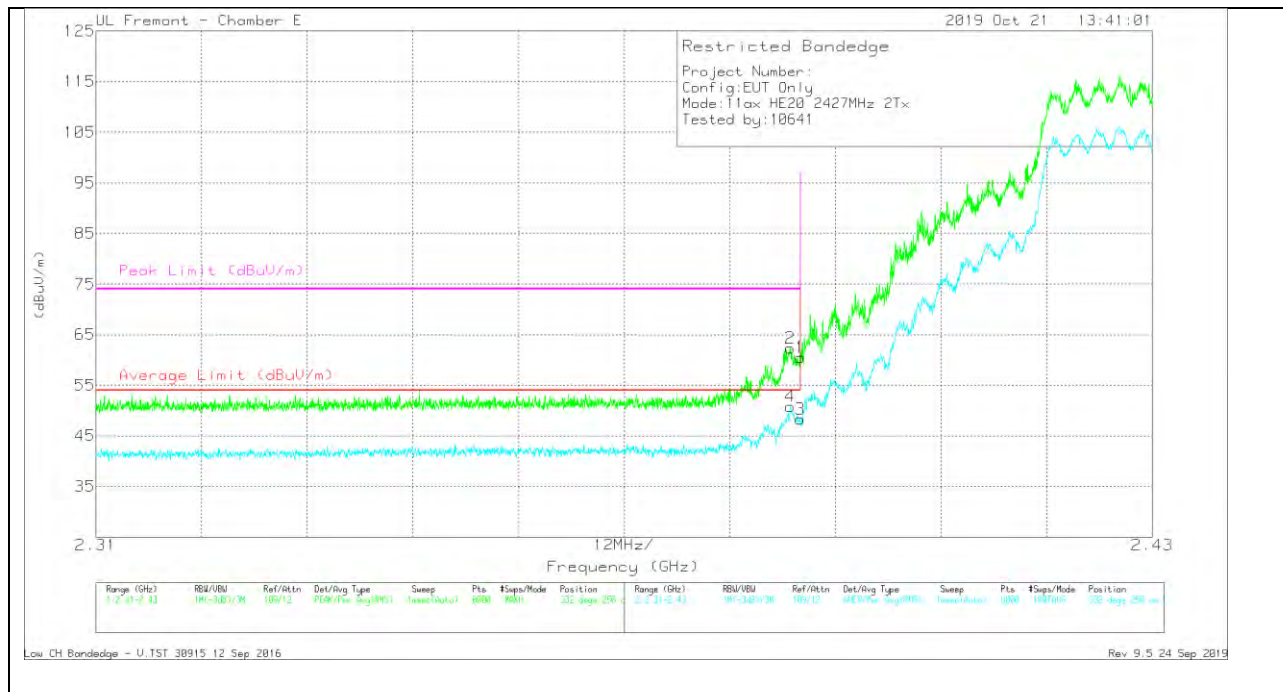
RMS - RMS detection

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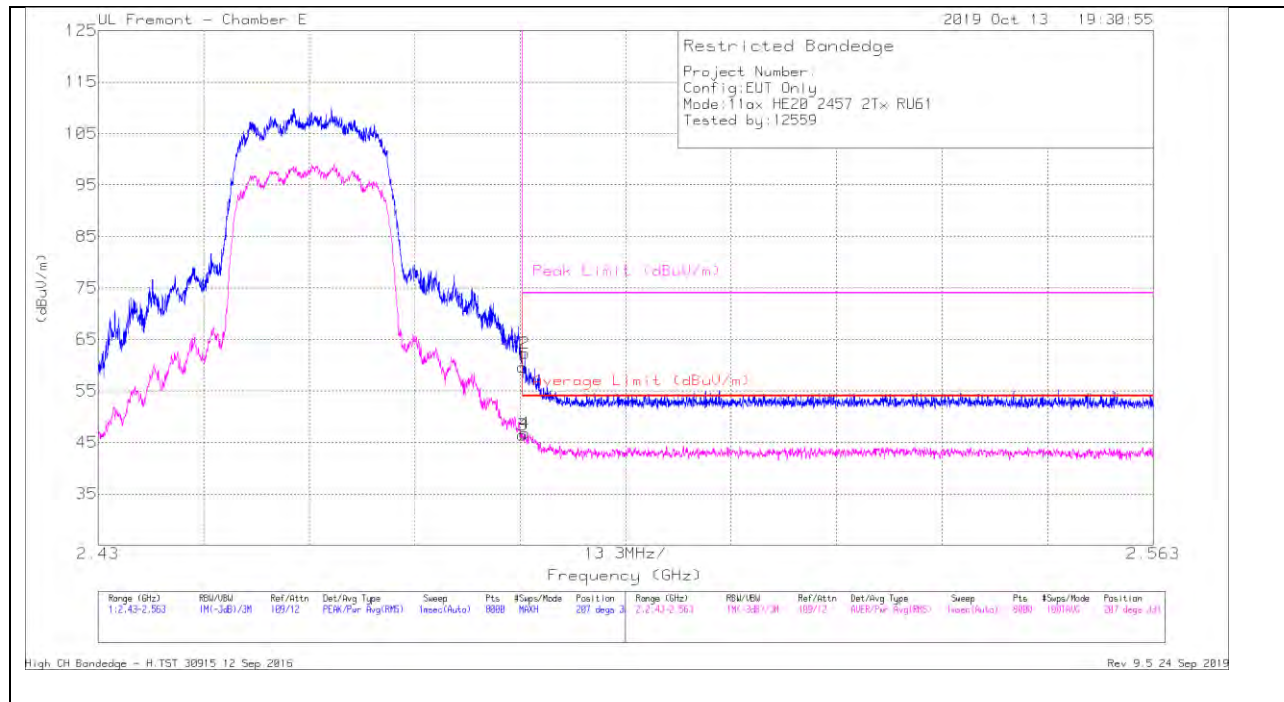
## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dBm) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.38999       | 46.35                | Pk  | 32.3          | -18.2                  | 60.45                      | -                      | -           | 74                  | -13.55         | 332            | 250         | V        |
| 2      | * 2.3889        | 48.23                | Pk  | 32.3          | -18.2                  | 62.33                      | -                      | -           | 74                  | -11.67         | 332            | 250         | V        |
| 3      | * 2.38999       | 34.23                | RMS | 32.3          | -18.2                  | 48.33                      | 54                     | -5.67       | -                   | -              | 332            | 250         | V        |
| 4      | * 2.3889        | 36.74                | RMS | 32.3          | -18.2                  | 50.84                      | 54                     | -3.16       | -                   | -              | 332            | 250         | V        |

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

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**BANDEDGE (HIGH CHANNEL, CH 10)****HORIZONTAL RESULT**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 44.8                 | Pk  | 32.8           | -18                    | 59.6                       | -                      | -           | 74                  | -14.4          | 207            | 331         | H        |
| 3      | * 2.48351       | 31.59                | RMS | 32.8           | -18                    | 46.39                      | 54                     | -7.61       | -                   | -              | 207            | 331         | H        |
| 2      | * 2.48377       | 47.5                 | Pk  | 32.8           | -18                    | 62.3                       | -                      | -           | 74                  | -11.7          | 207            | 331         | H        |
| 4      | * 2.48377       | 31.97                | RMS | 32.8           | -18                    | 46.77                      | 54                     | -7.23       | -                   | -              | 207            | 331         | H        |

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

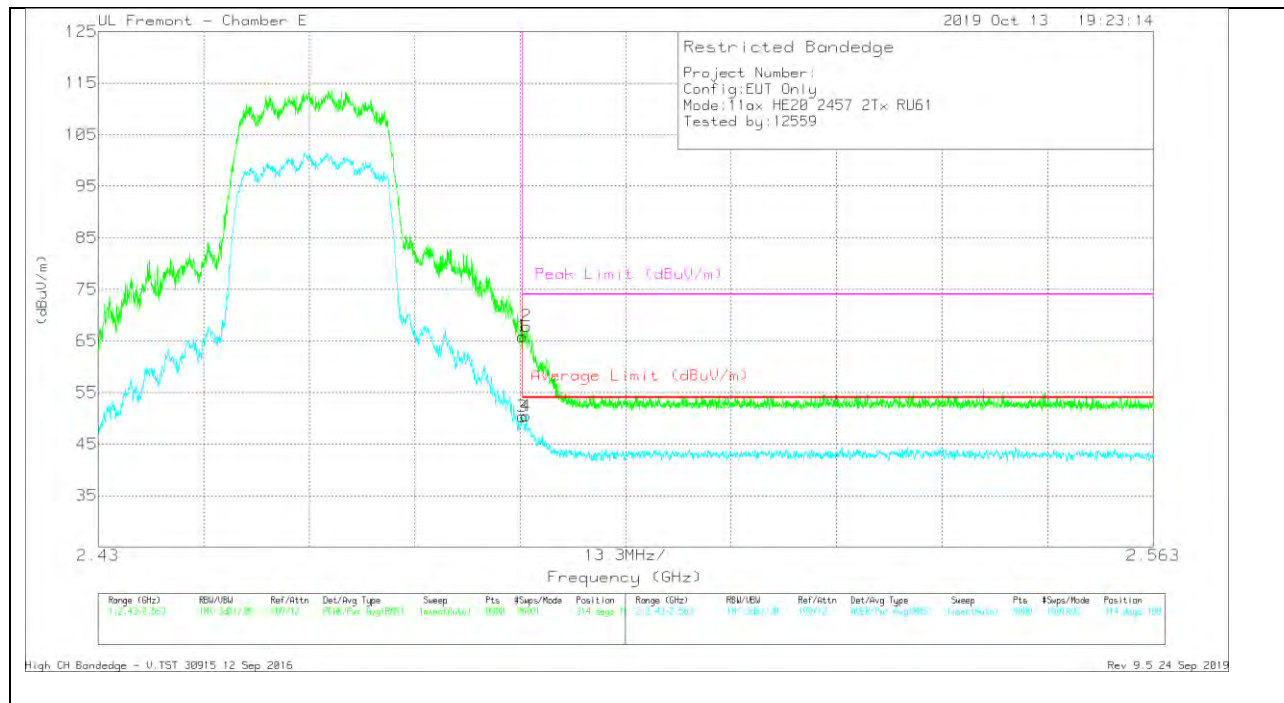
Pk - Peak detector

RMS - RMS detection

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## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Dega) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 51.1                 | Pk  | 32.8           | -18                    | 65.9                       | -                      | -           | 74                  | -8.1           | 314            | 189         | V        |
| 3      | * 2.48351       | 35.5                 | RMS | 32.8           | -18                    | 50.3                       | 54                     | -3.7        | -                   | -              | 314            | 189         | V        |
| 4      | * 2.48397       | 35.66                | RMS | 32.8           | -18                    | 50.46                      | 54                     | -3.54       | -                   | -              | 314            | 189         | V        |
| 2      | * 2.48402       | 53.05                | Pk  | 32.8           | -18                    | 67.85                      | -                      | -           | 74                  | -6.15          | 314            | 189         | V        |

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

PK - Peak detector

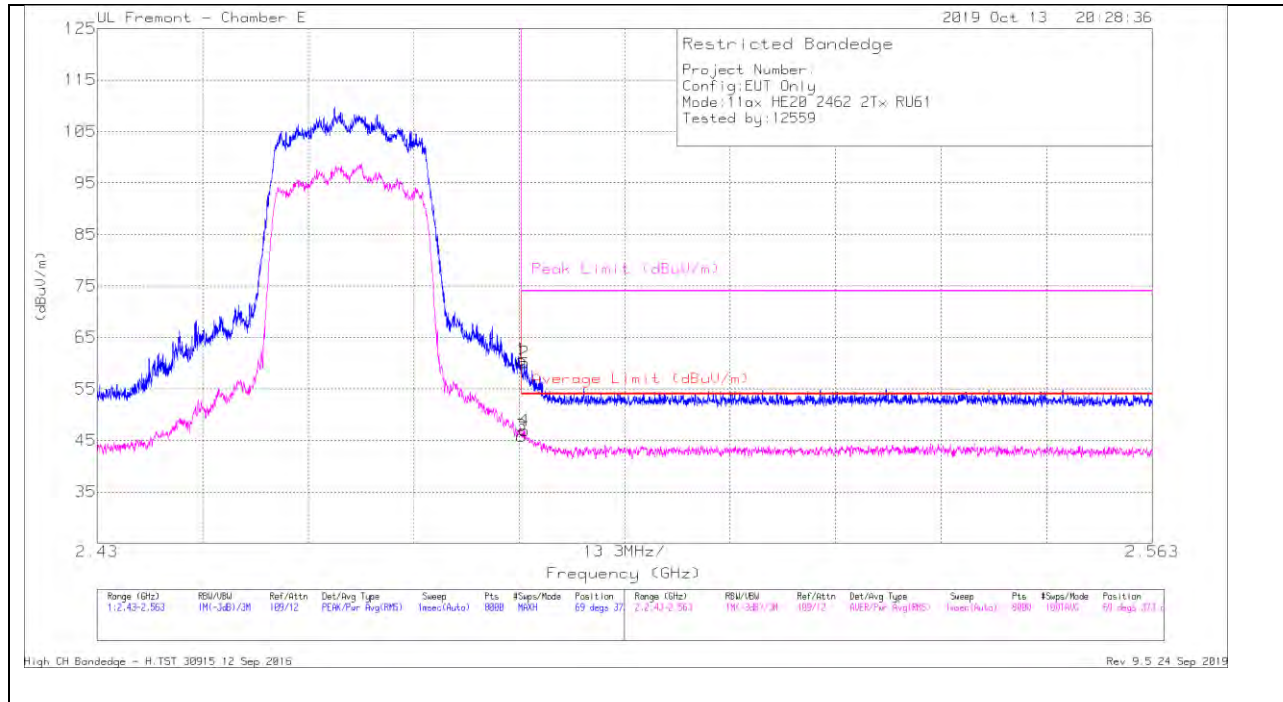
RMS - RMS detection

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## BANDEDGE (HIGH CHANNEL, CH 11)

### HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 45.83                | Pk  | 32.8           | -18                    | 60.63                      | -                      | -           | 74                  | -13.37         | 69             | 373         | H        |
| 3      | * 2.48351       | 31.08                | RMS | 32.8           | -18                    | 45.88                      | 54                     | -8.12       | -                   | -              | 69             | 373         | H        |
| 2      | * 2.48385       | 45.28                | Pk  | 32.8           | -18                    | 60.08                      | -                      | -           | 74                  | -13.92         | 69             | 373         | H        |
| 4      | * 2.48389       | 32.1                 | RMS | 32.8           | -18                    | 46.9                       | 54                     | -7.1        | -                   | -              | 69             | 373         | H        |

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

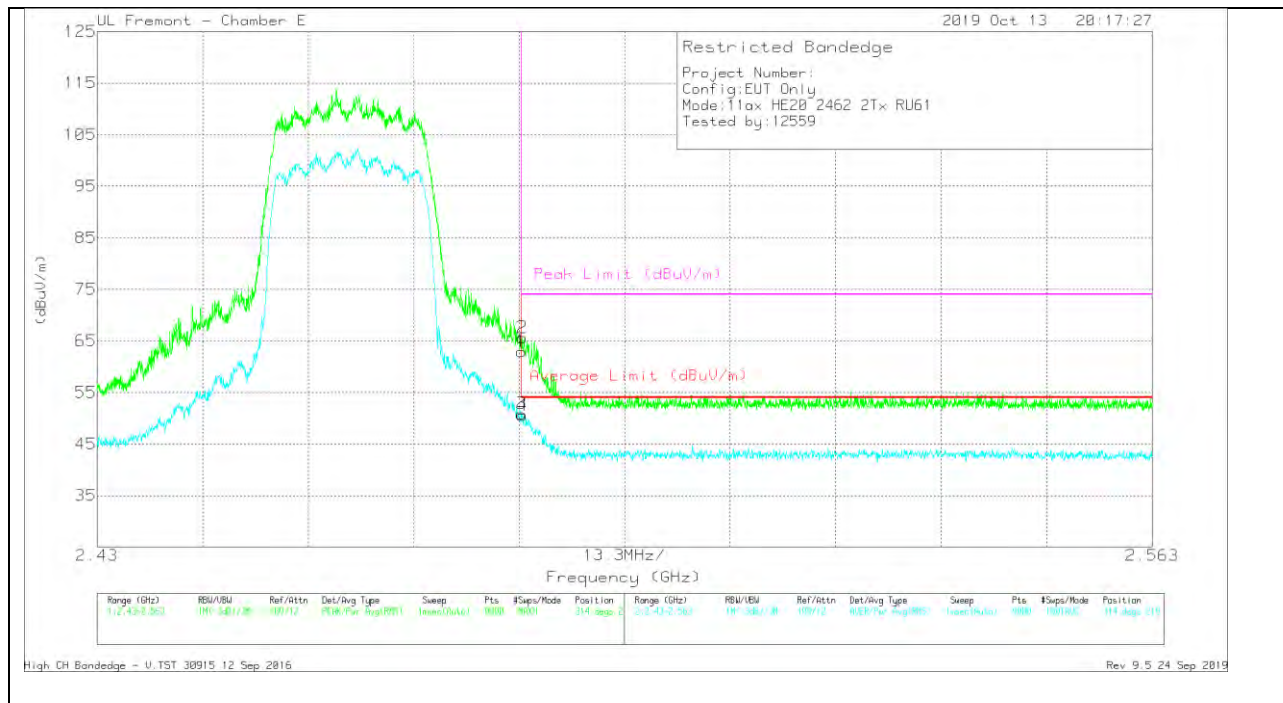
Pk - Peak detector

RMS - RMS detection

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## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Dogs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 48.15                | PK  | 32.8           | -18                    | 62.95                      | -                      | -           | 74                  | -11.05         | 314            | 218         | V        |
| 3      | * 2.48351       | 36.07                | RMS | 32.8           | -18                    | 50.87                      | 54                     | -3.13       | -                   | -              | 314            | 218         | V        |
| 2      | * 2.48359       | 50.82                | PK  | 32.8           | -18                    | 65.62                      | -                      | -           | 74                  | -8.38          | 314            | 218         | V        |
| 4      | * 2.48359       | 35.76                | RMS | 32.8           | -18                    | 50.56                      | 54                     | -3.44       | -                   | -              | 314            | 218         | V        |

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

PK - Peak detector

RMS - RMS detection

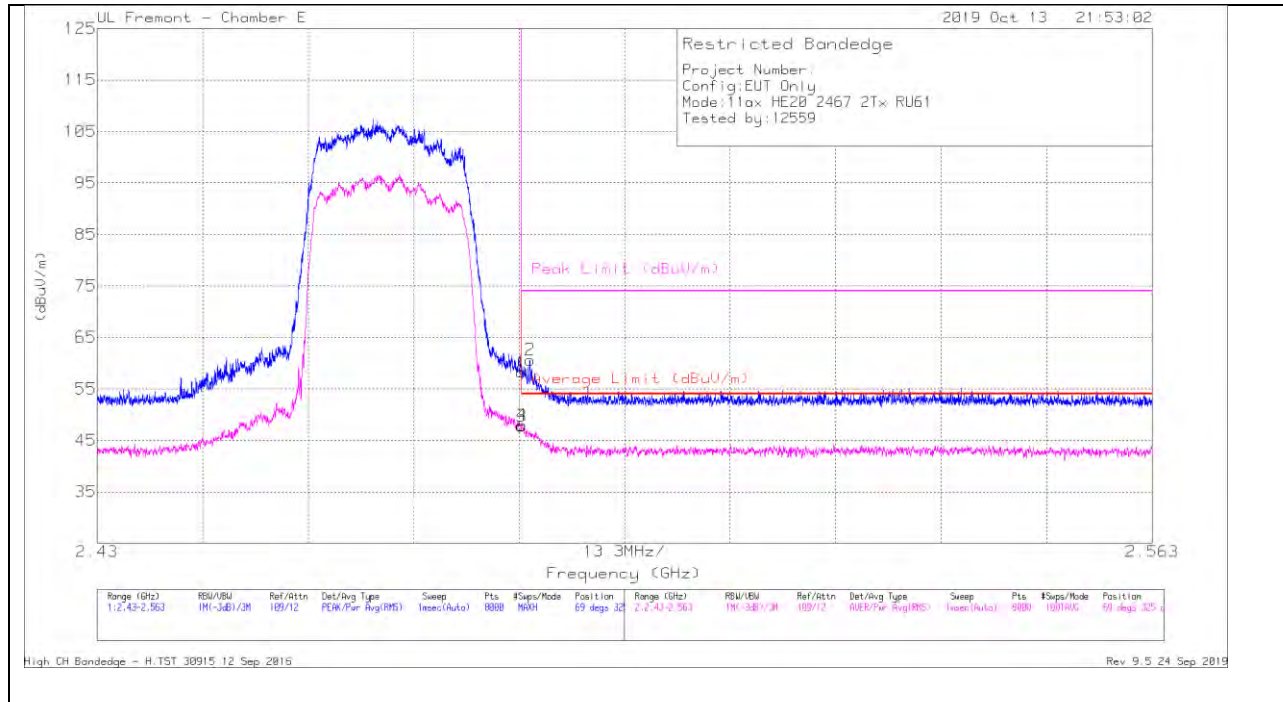
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## BANEDGE (HIGH CHANNEL, CH 12)

### HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 43.44                | Pk  | 32.8           | -18                    | 58.24                      | -                      | -           | 74                  | -15.76         | 69             | 325         | H        |
| 3      | * 2.48351       | 32.98                | RMS | 32.8           | -18                    | 47.78                      | 54                     | -6.22       | -                   | -              | 69             | 325         | H        |
| 4      | * 2.48357       | 33.17                | RMS | 32.8           | -18                    | 47.97                      | 54                     | -6.03       | -                   | -              | 69             | 325         | H        |
| 2      | * 2.48455       | 45.81                | Pk  | 32.8           | -18                    | 60.61                      | -                      | -           | 74                  | -13.39         | 69             | 325         | H        |

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

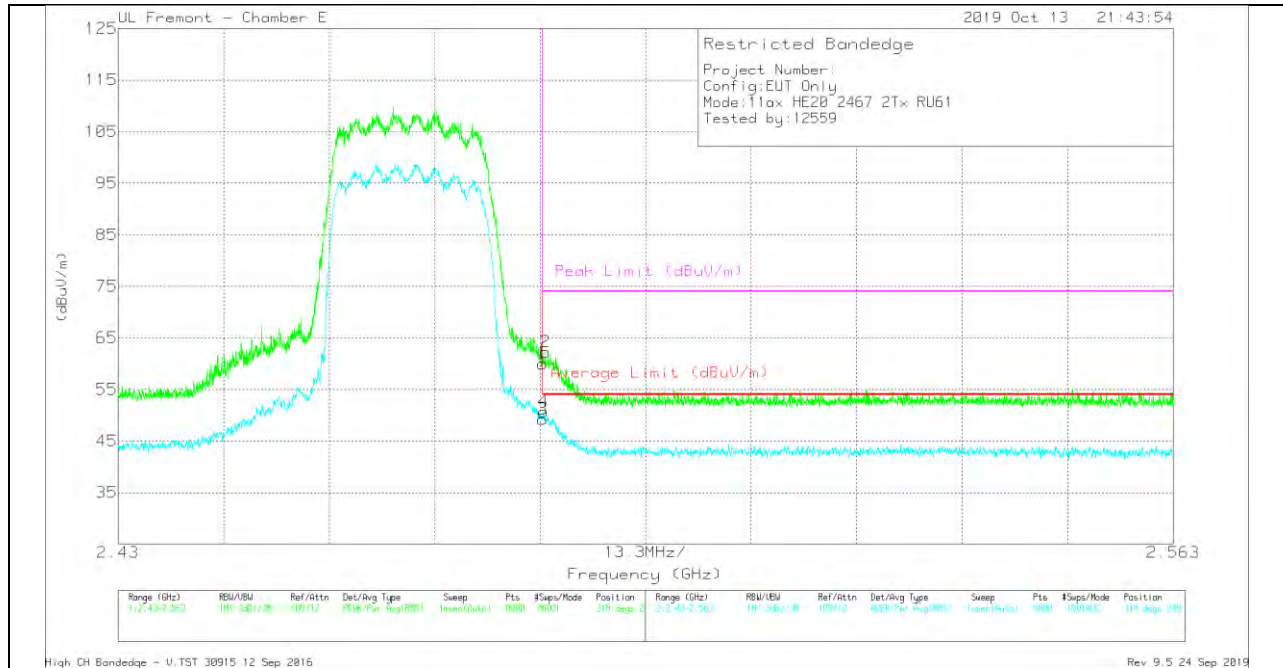
Pk - Peak detector

RMS - RMS detection

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## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degr) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 45.15                | Pk  | 32.8           | -18                    | 59.95                      | -                      | -           | 74                  | -14.05         | 318            | 249         | V        |
| 3      | * 2.48351       | 34.46                | RMS | 32.8           | -18                    | 49.26                      | 54                     | -4.74       | -                   | -              | 318            | 249         | V        |
| 4      | * 2.48364       | 35.87                | RMS | 32.8           | -18                    | 50.67                      | 54                     | -3.33       | -                   | -              | 318            | 249         | V        |
| 2      | * 2.48387       | 47.46                | Pk  | 32.8           | -18                    | 62.26                      | -                      | -           | 74                  | -11.74         | 318            | 249         | V        |

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

Pk - Peak detector

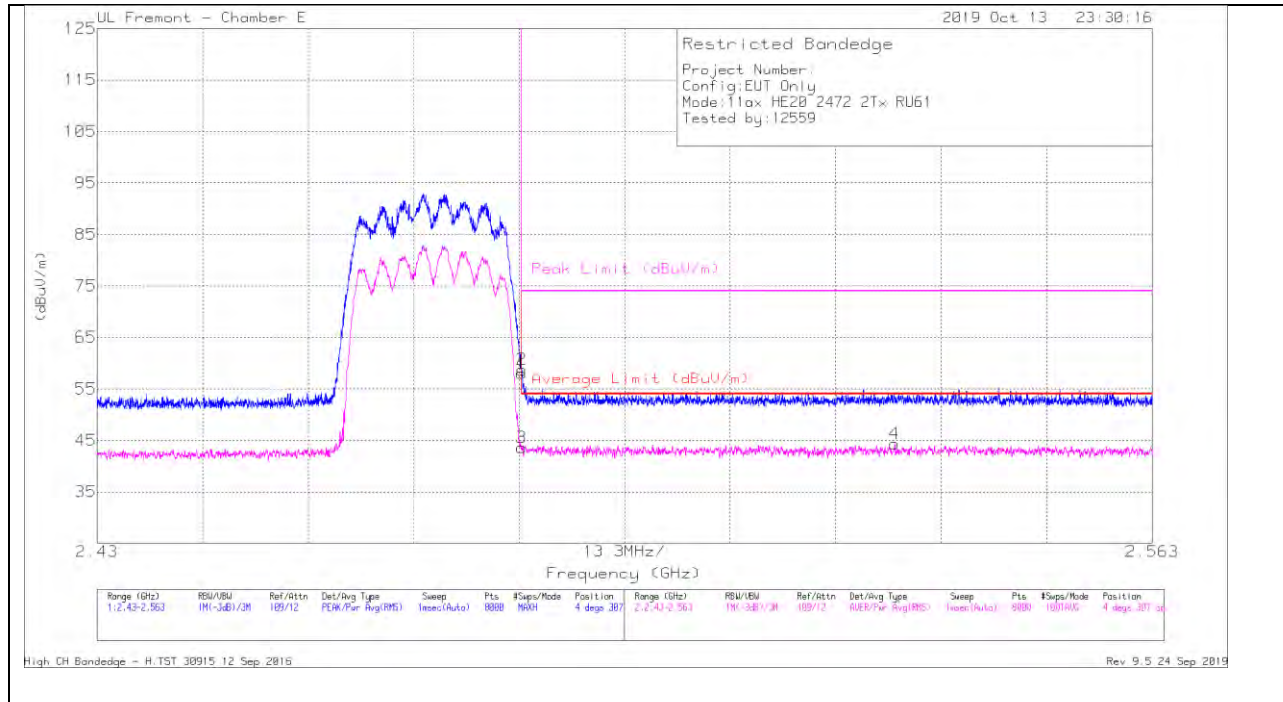
RMS - RMS detection

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## BANDEDGE (HIGH CHANNEL, CH 13)

### HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 43.24                | Pk  | 32.8           | -18                    | 58.04                      | -                      | -           | 74                  | -15.96         | 4              | 307         | H        |
| 3      | * 2.48351       | 28.8                 | RMS | 32.8           | -18                    | 43.6                       | 54                     | -10.4       | -                   | -              | 4              | 307         | H        |
| 2      | * 2.48357       | 43.91                | Pk  | 32.8           | -18                    | 58.71                      | -                      | -           | 74                  | -15.29         | 4              | 307         | H        |
| 4      | 2.53054         | 29.54                | RMS | 32.9           | -18.1                  | 44.34                      | 54                     | -9.66       | -                   | -              | 4              | 307         | H        |

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

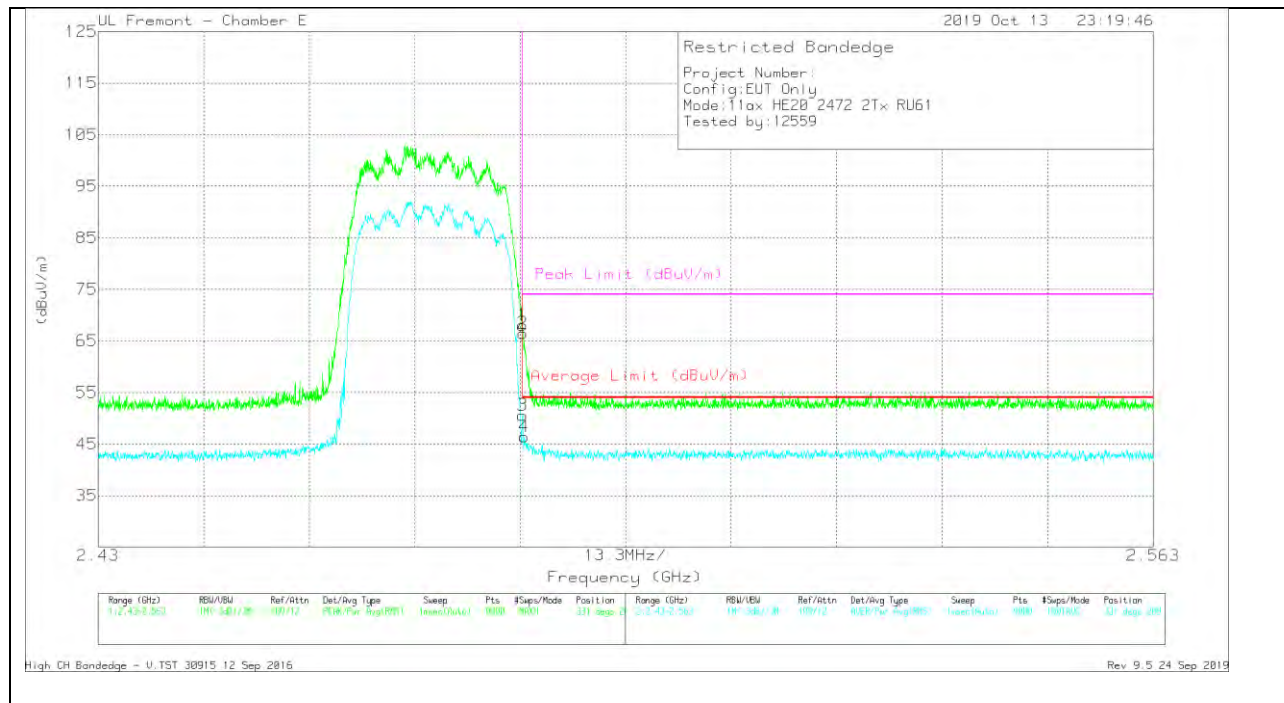
Pk - Peak detector

RMS - RMS detection

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## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 53.27                | PK  | 32.8           | -18                    | 68.07                      | -                      | -           | 74                  | -5.93          | 331            | 209         | V        |
| 3      | * 2.48351       | 35.81                | RMS | 32.8           | -18                    | 50.61                      | 54                     | -3.39       | -                   | -              | 331            | 209         | V        |
| 2      | * 2.48356       | 51.68                | PK  | 32.8           | -18                    | 66.48                      | -                      | -           | 74                  | -7.52          | 331            | 209         | V        |
| 4      | * 2.48372       | 31.6                 | RMS | 32.8           | -18                    | 46.4                       | 54                     | -7.6        | -                   | -              | 331            | 209         | V        |

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

PK - Peak detector

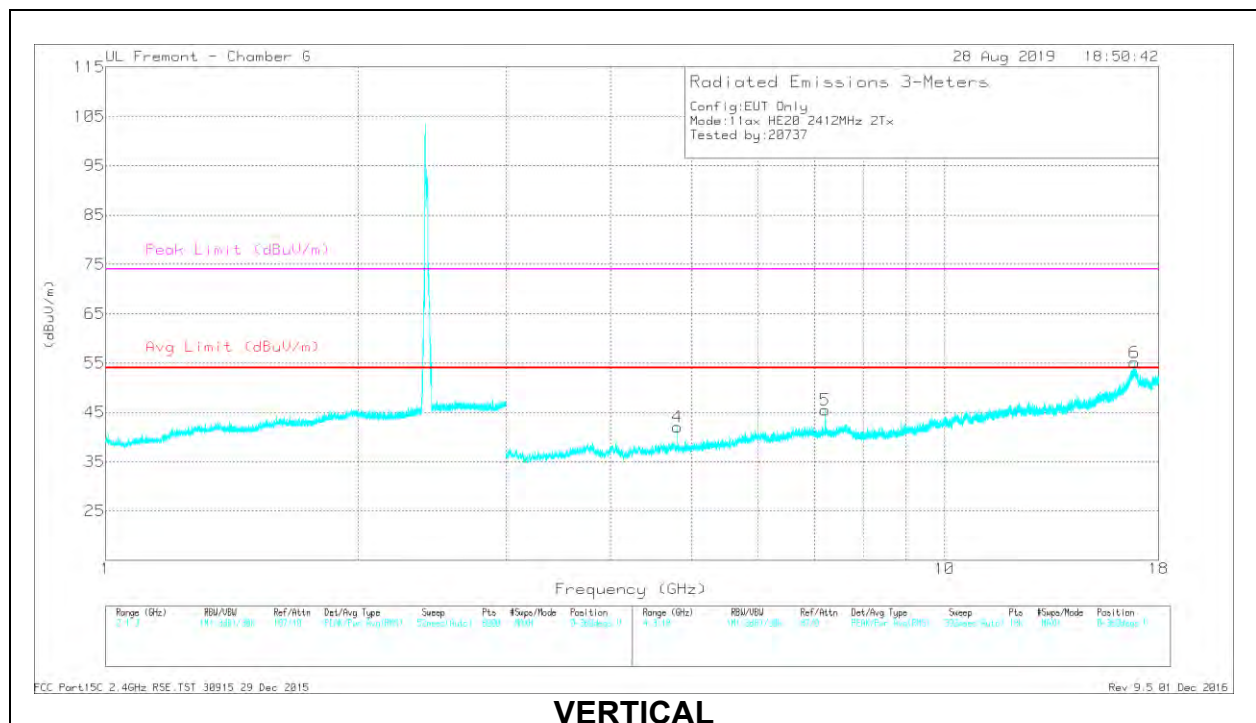
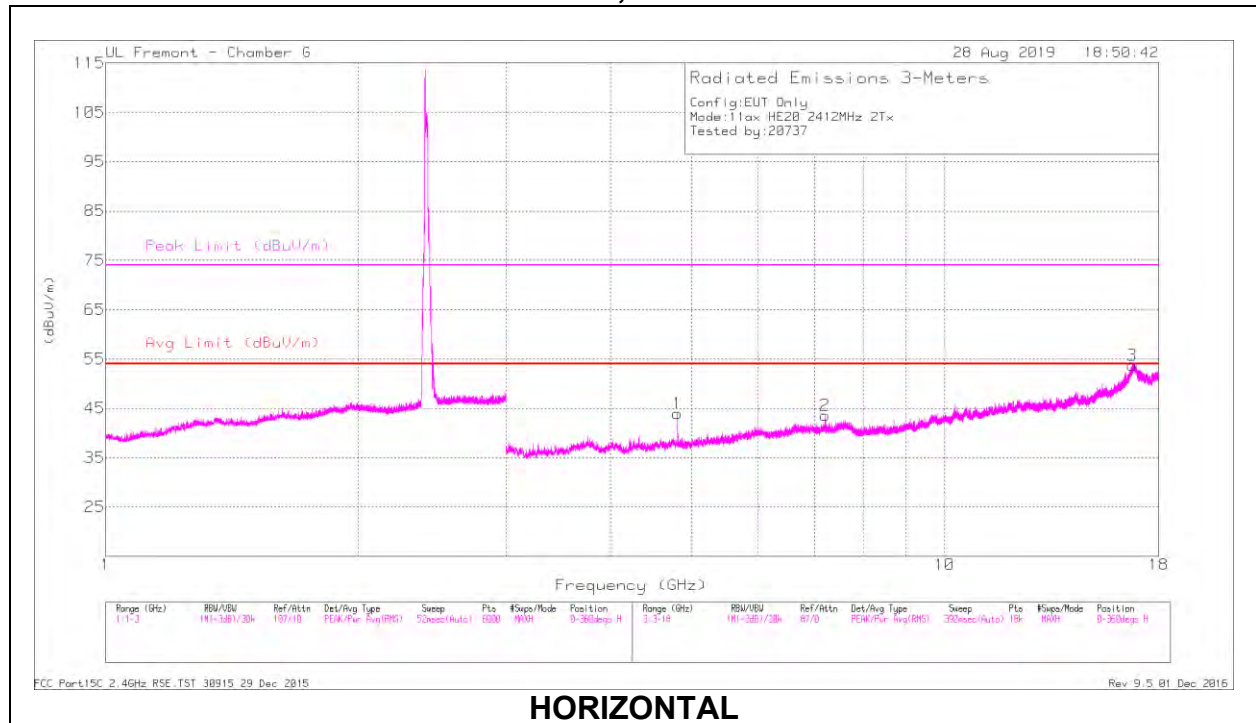
RMS - RMS detection

High CH Bandedge - V.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL, CH 1 RESULTS





## RADIATED EMISSIONS

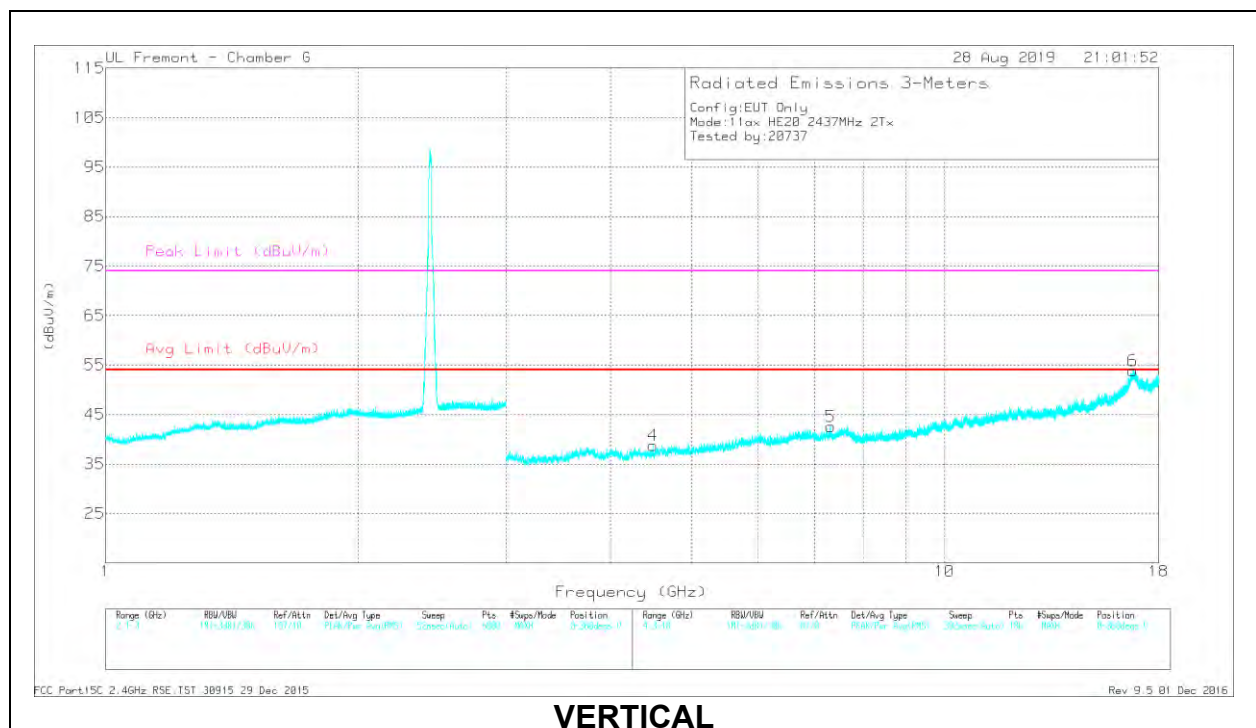
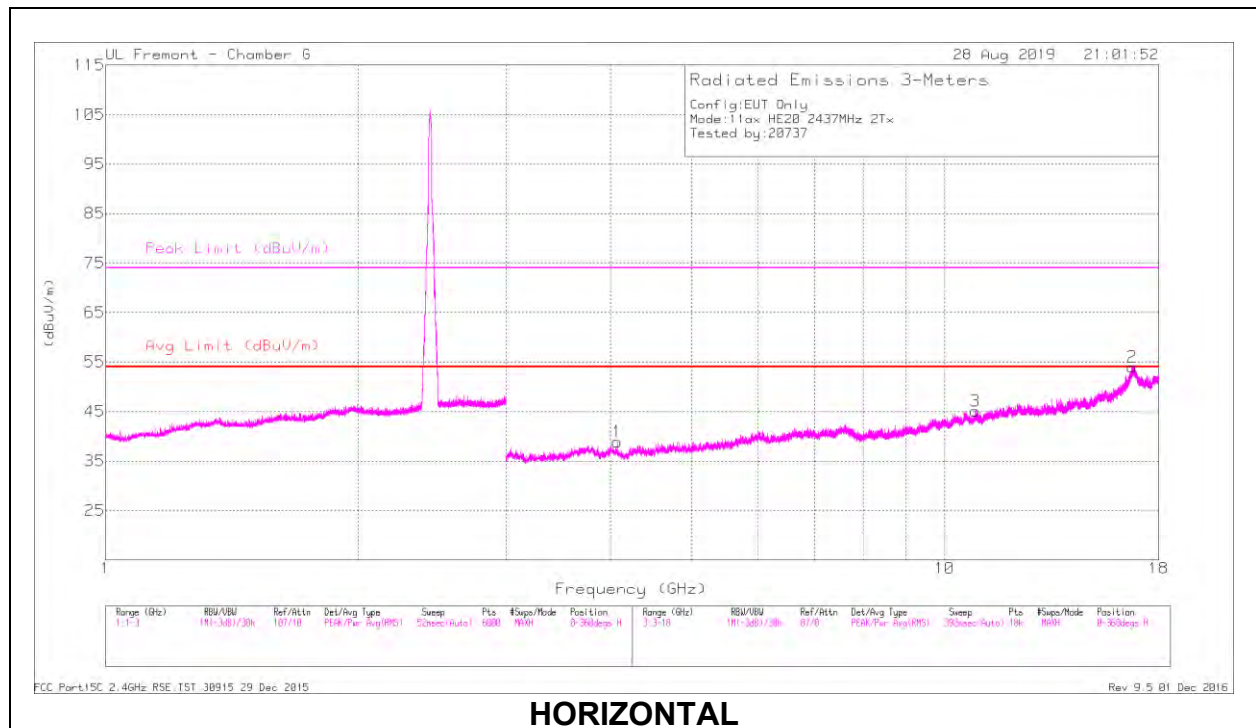
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AFT136 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|---------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 4.807         | 47.21                | PK2  | 34.2          | -29.8                  | 51.61                      | -                  | -           | 74                  | -22.39         | 230            | 106         | H        |
|        | * 4.807         | 35.56                | MAv1 | 34.2          | -29.8                  | 39.96                      | 54                 | -14.04      | -                   | -              | 230            | 106         | H        |
| 4      | * 4.807         | 47.41                | PK2  | 34.2          | -29.8                  | 51.81                      | -                  | -           | 74                  | -22.19         | 174            | 366         | V        |
|        | * 4.807         | 36.58                | MAv1 | 34.2          | -29.8                  | 40.98                      | 54                 | -13.02      | -                   | -              | 174            | 366         | V        |
| 2      | 7.211           | 41.88                | PK2  | 36.4          | -27.6                  | 50.68                      | -                  | -           | -                   | -              | 186            | 294         | H        |
| 5      | 7.211           | 44.81                | PK2  | 36.3          | -27.7                  | 53.41                      | -                  | -           | -                   | -              | 168            | 310         | V        |
| 3      | 16.754          | 37.2                 | PK2  | 41.8          | -18.4                  | 60.6                       | -                  | -           | -                   | -              | 6              | 314         | H        |
| 6      | 16.849          | 36.2                 | PK2  | 41.7          | -17.7                  | 60.2                       | -                  | -           | -                   | -              | 234            | 316         | 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, CH 6 RESULTS



## RADIATED EMISSIONS

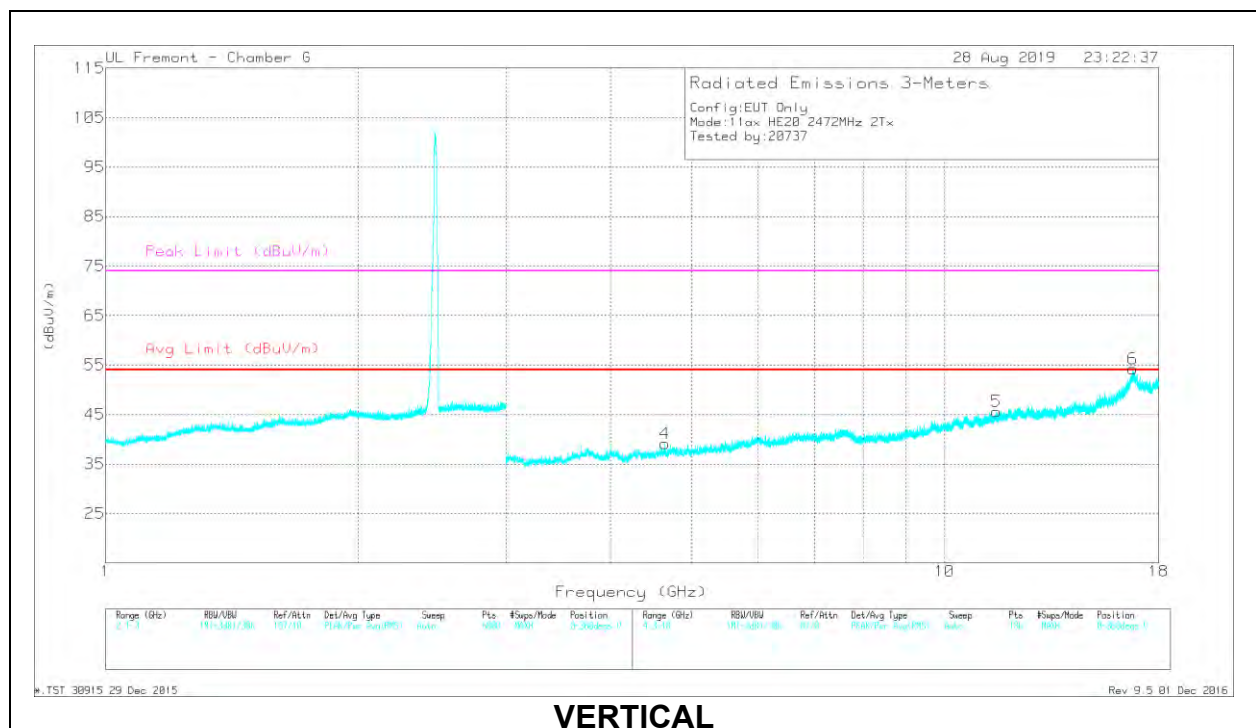
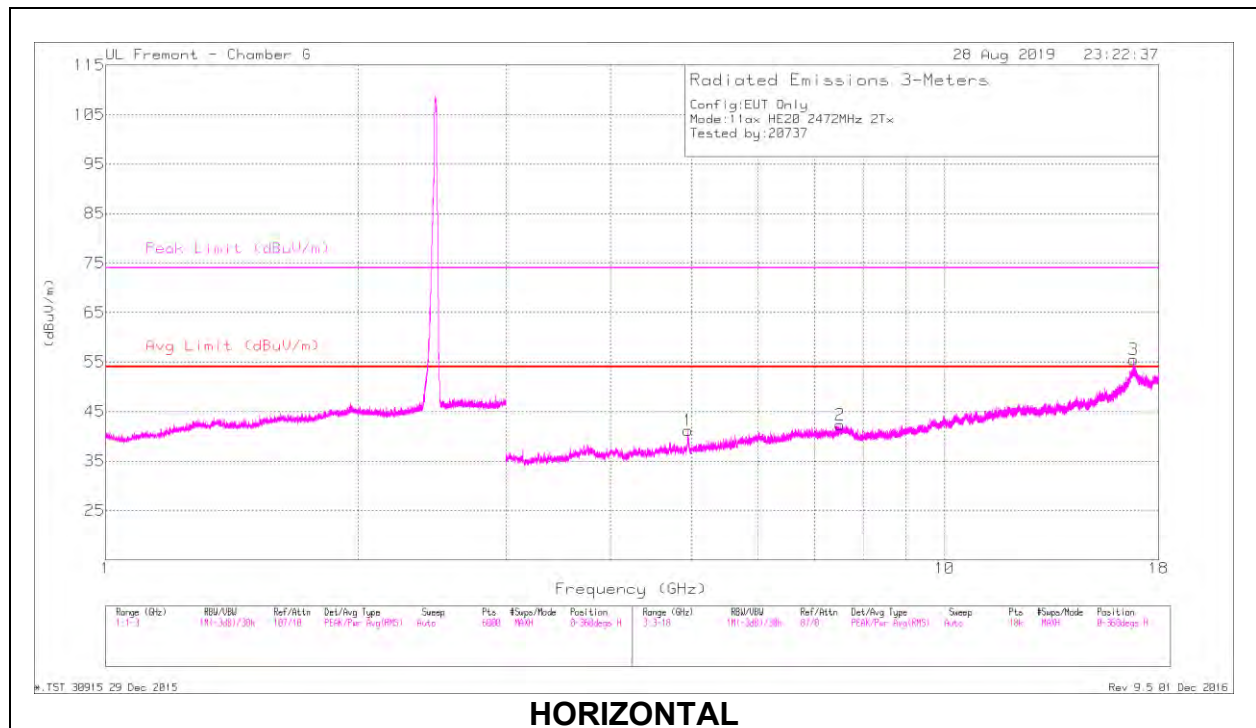
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AFT136 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|---------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 4.073         | 41.74                | PK2  | 33.2          | -29.4                  | 45.54                      | -                  | -           | 74                  | -28.46         | 101            | 129         | H        |
|        | * 4.076         | 30.14                | MAv1 | 33.2          | -29.5                  | 33.84                      | 54                 | -20.16      | -                   | -              | 101            | 129         | H        |
| 3      | * 10.88         | 37.31                | PK2  | 37.6          | -23                    | 51.91                      | -                  | -           | 74                  | -22.09         | 211            | 174         | H        |
|        | * 10.88         | 26.25                | MAv1 | 37.6          | -23                    | 40.85                      | 54                 | -13.15      | -                   | -              | 211            | 174         | H        |
| 5      | * 7.316         | 39.52                | PK2  | 36.2          | -27.5                  | 48.22                      | -                  | -           | 74                  | -25.78         | 232            | 167         | V        |
|        | * 7.315         | 28.37                | MAv1 | 36.2          | -27.5                  | 37.07                      | 54                 | -16.93      | -                   | -              | 232            | 167         | V        |
| 4      | 4.491           | 41.36                | PK2  | 33.7          | -29.9                  | 45.16                      | -                  | -           | -                   | -              | 320            | 280         | V        |
| 2      | 16.737          | 37.12                | PK2  | 41.8          | -18.3                  | 60.62                      | -                  | -           | -                   | -              | 282            | 246         | H        |
| 6      | 16.781          | 36.34                | PK2  | 41.8          | -17.6                  | 60.54                      | -                  | -           | -                   | -              | 159            | 140         | V        |

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

## HIGH CHANNEL, CH 13 RESULTS



## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AFT136 (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      | * 4.944         | 40.88                | PK2  | 33.9          | -29.6                  | 45.18                      | -                  | -           | 74                  | -28.82         | 65             | 162         | H        |
|        | * 4.944         | 30.27                | MAv1 | 33.9          | -29.6                  | 34.57                      | 54                 | -19.43      | -                   | -              | 65             | 162         | H        |
| 2      | * 7.512         | 39.66                | PK2  | 36.7          | -27                    | 49.36                      | -                  | -           | 74                  | -24.64         | 126            | 225         | H        |
|        | * 7.509         | 28.43                | MAv1 | 36.7          | -27                    | 38.13                      | 54                 | -15.87      | -                   | -              | 126            | 225         | H        |
| 4      | * 4.645         | 40.52                | PK2  | 34            | -29.6                  | 44.92                      | -                  | -           | 74                  | -29.08         | 297            | 197         | V        |
|        | * 4.647         | 29.42                | MAv1 | 34            | -29.6                  | 33.82                      | 54                 | -20.18      | -                   | -              | 297            | 197         | V        |
| 5      | * 11.539        | 36.65                | PK2  | 38.3          | -22.9                  | 52.05                      | -                  | -           | 74                  | -21.95         | 175            | 246         | V        |
|        | * 11.54         | 25.33                | MAv1 | 38.3          | -22.9                  | 40.73                      | 54                 | -13.27      | -                   | -              | 175            | 246         | V        |
| 6      | 16.79           | 36.59                | PK2  | 41.8          | -17.4                  | 60.99                      | -                  | -           | -                   | -              | 106            | 278         | V        |
| 3      | 16.802          | 37.12                | PK2  | 41.8          | -17.5                  | 61.42                      | -                  | -           | -                   | -              | 242            | 281         | H        |

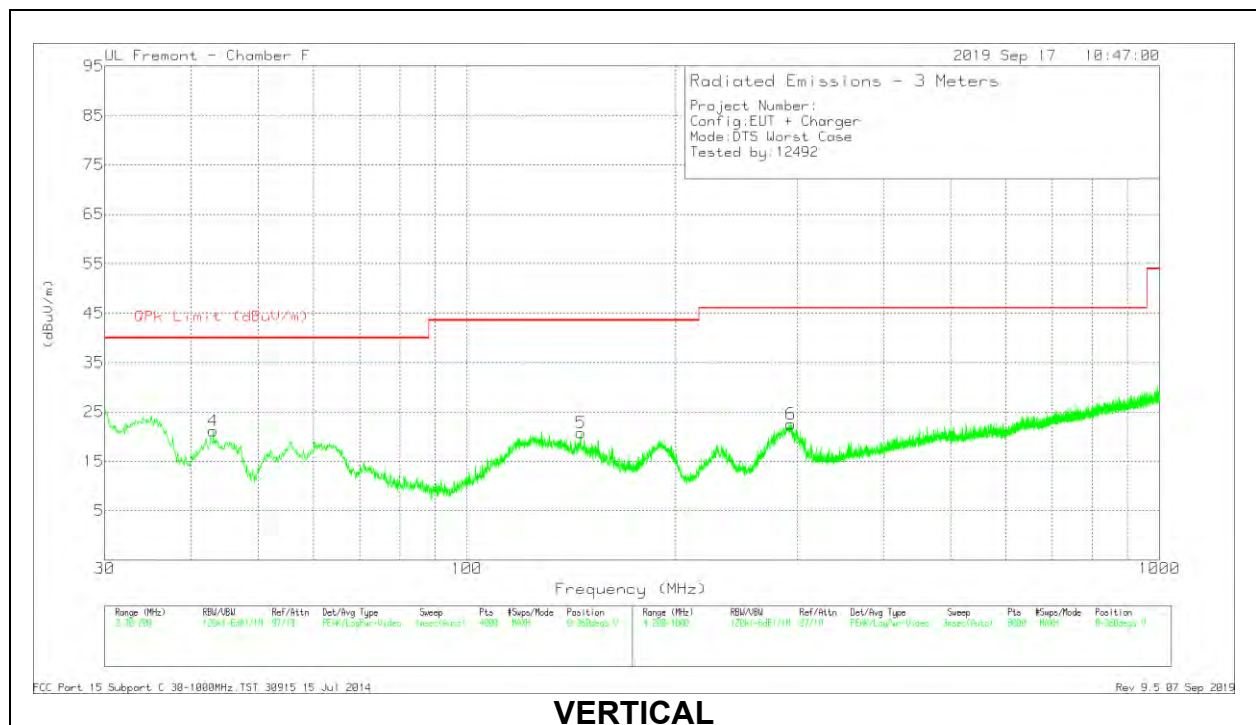
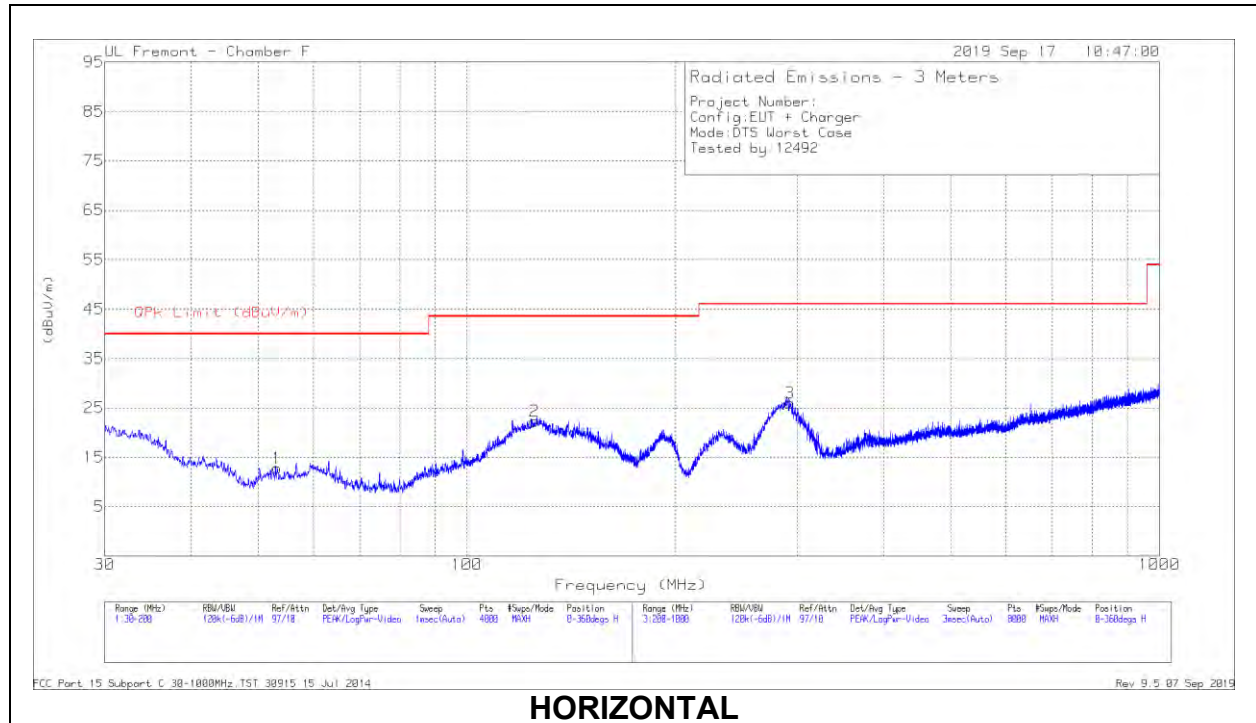
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average



## 9.2. WORST CASE BELOW 1 GHz



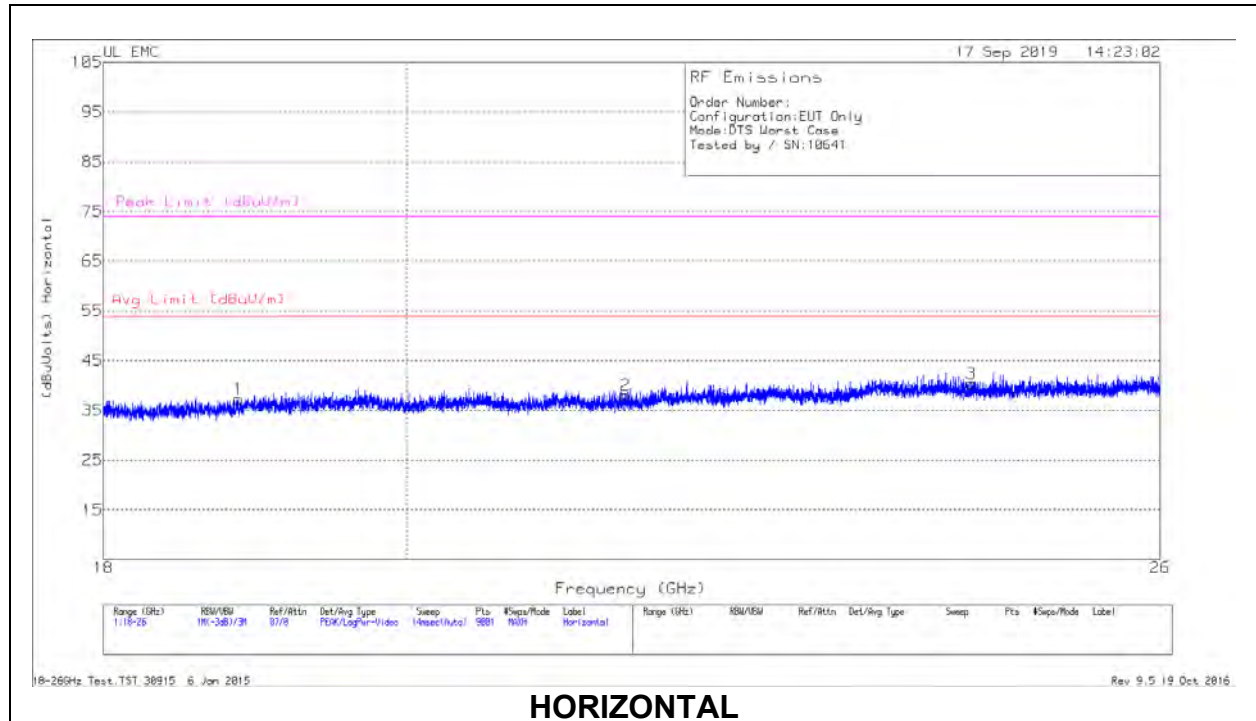
**Below 1GHz DATA**

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF T407 (dB/m) | Amp/Cbl (dB) | Corrected Reading (dBuV/m) | QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|--------------|----------------------------|--------------------|-------------|----------------|-------------|----------|
| 1      | 53.211          | 33.28                | Pk  | 11.2           | -31.7        | 12.78                      | 40                 | -27.22      | 0-360          | 399         | H        |
| 2      | * 125.2246      | 35.49                | Pk  | 17.8           | -31          | 22.29                      | 43.52              | -21.23      | 0-360          | 199         | H        |
| 4      | 43.0509         | 37.34                | Pk  | 15.6           | -31.8        | 21.14                      | 40                 | -18.86      | 0-360          | 100         | V        |
| 5      | 146.1401        | 34.92                | Pk  | 16.6           | -30.8        | 20.72                      | 43.52              | -22.8       | 0-360          | 100         | V        |
| 3      | 292.412         | 38.54                | Pk  | 17.3           | -29.9        | 25.94                      | 46.02              | -20.08      | 0-360          | 99          | H        |
| 6      | 293.4121        | 35.18                | Pk  | 17.3           | -29.9        | 22.58                      | 46.02              | -23.44      | 0-360          | 99          | V        |

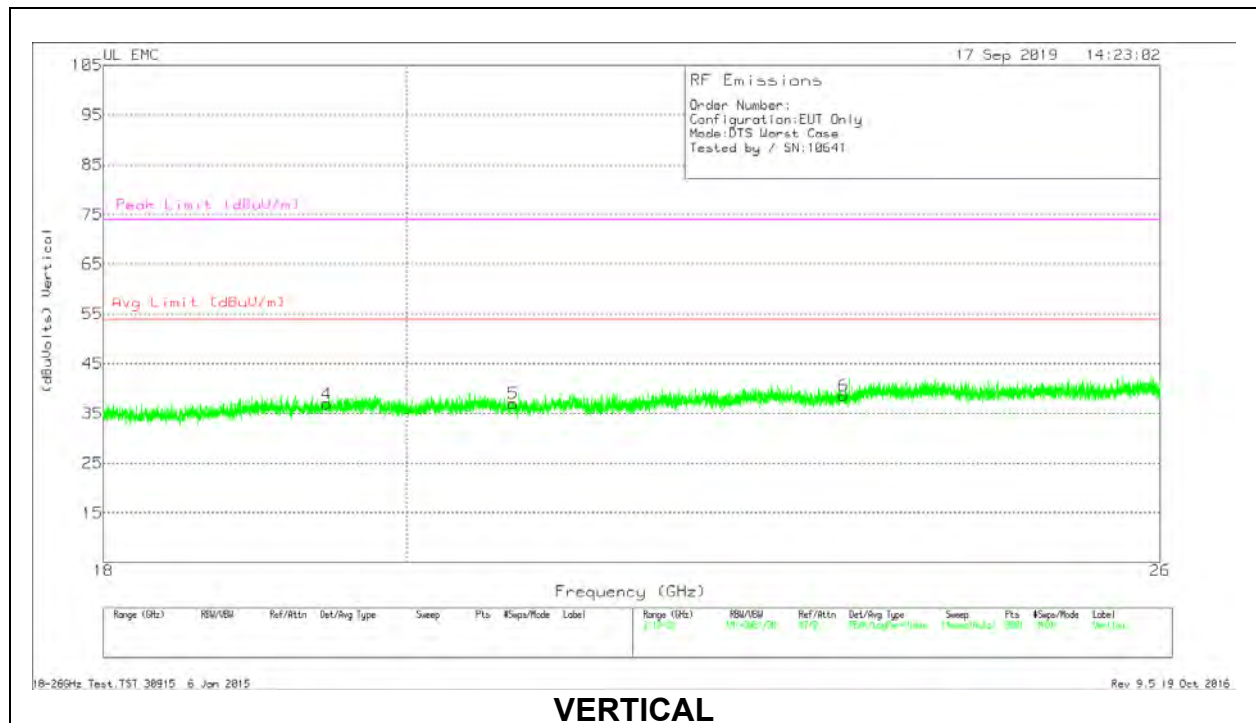
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

### 9.3. WORST CASE 18-26 GHz



HORIZONTAL



VERTICAL

**18 – 26GHz DATA**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | T447 AF (dB/m) | Amp/Cbl (dB) | Dist Corr (dB) | Corrected Reading (dBuVolts) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) |
|--------|-----------------|----------------------|-----|----------------|--------------|----------------|------------------------------|--------------------|-------------|---------------------|----------------|
| 1      | 18.866          | 35.92                | Pk  | 32.5           | -21.7        | -9.5           | 37.22                        | 54                 | -16.78      | 74                  | -36.78         |
| 2      | 21.585          | 35.37                | Pk  | 33.1           | -20.9        | -9.5           | 38.07                        | 54                 | -15.93      | 74                  | -35.93         |
| 3      | 24.345          | 35.29                | Pk  | 34.2           | -19.6        | -9.5           | 40.39                        | 54                 | -13.61      | 74                  | -33.61         |
| 4      | 19.454          | 35.02                | Pk  | 32.8           | -21.4        | -9.5           | 36.92                        | 54                 | -17.08      | 74                  | -37.08         |
| 5      | 20.757          | 34.9                 | Pk  | 33             | -21.4        | -9.5           | 37                           | 54                 | -17         | 74                  | -37            |
| 6      | 23.288          | 34.44                | Pk  | 33.8           | -20.2        | -9.5           | 38.54                        | 54                 | -15.46      | 74                  | -35.46         |

Pk - Peak detector

## 10. AC POWER LINE CONDUCTED EMISSIONS

### LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

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

\* Decreases with the logarithm of the frequency.

### TEST PROCEDURE

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

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

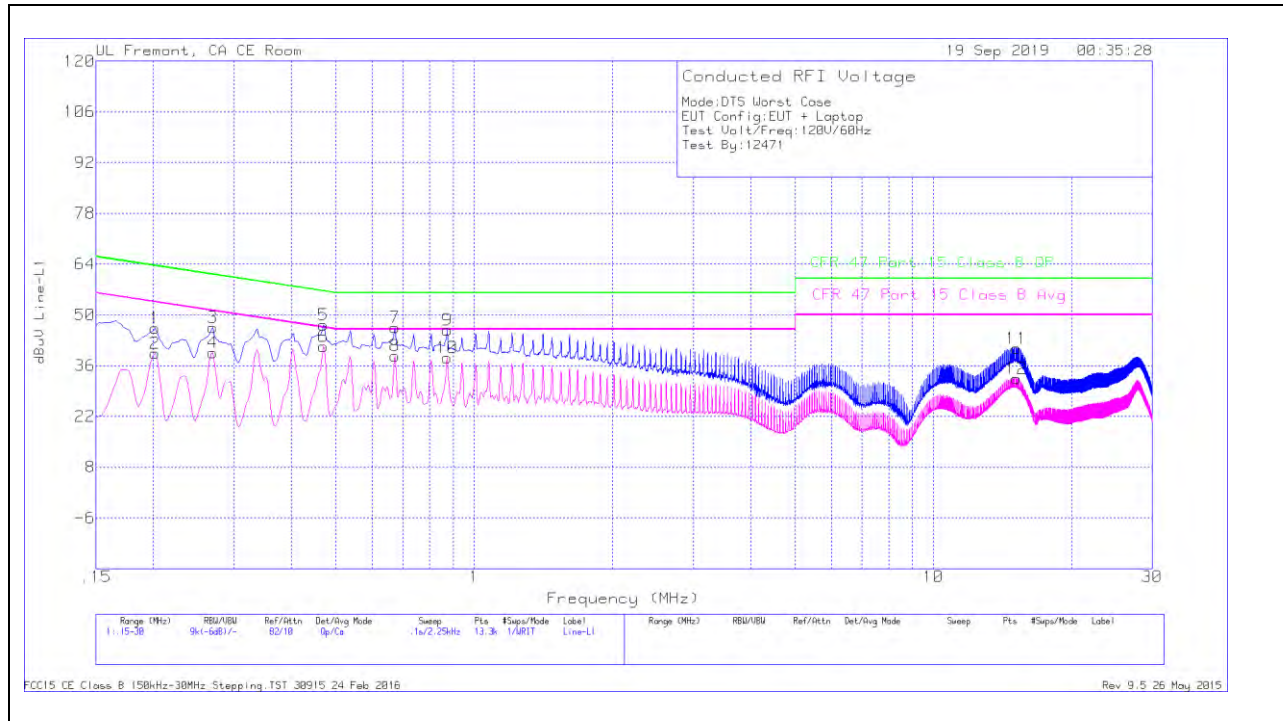
Line conducted data is recorded for both NEUTRAL and HOT lines.

### RESULTS



## 10.1.1. AC POWER LINE HOST

### LINE 1 RESULTS

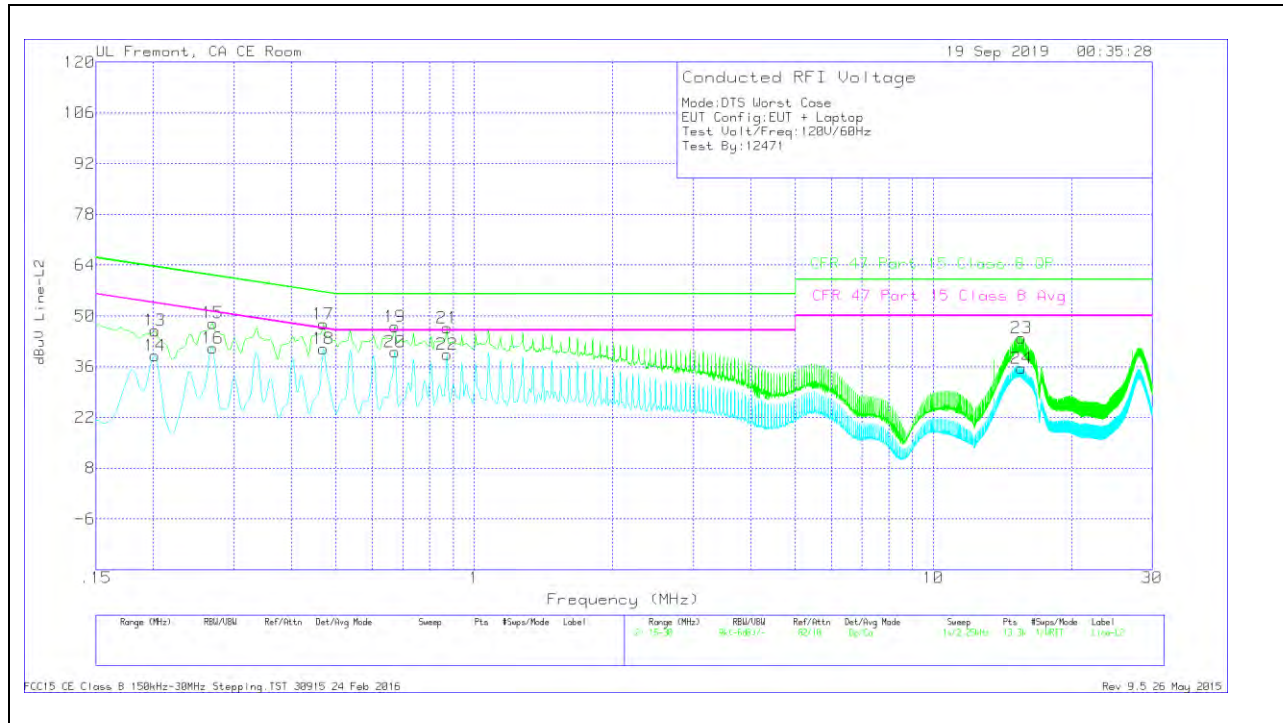


| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | LISN L1 | LC Cables C1&C3 | Limiter (dB) | Corrected Reading dBuV | CFR 47 Part 15 Class B QP | QP Margin (dB) | CFR 47 Part 15 Class B Avg | Av(CISPR) Margin (dB) |
|--------|-----------------|----------------------|-----|---------|-----------------|--------------|------------------------|---------------------------|----------------|----------------------------|-----------------------|
| 1      | .20175          | 36.19                | Qp  | 0       | 0               | 10.1         | 46.29                  | 63.54                     | -17.25         | -                          | -                     |
| 2      | .20175          | 29.24                | Ca  | 0       | 0               | 10.1         | 39.34                  | -                         | -              | 53.54                      | -14.2                 |
| 3      | .26925          | 36.38                | Qp  | 0       | 0               | 10.1         | 46.48                  | 61.14                     | -14.66         | -                          | -                     |
| 4      | .26925          | 29.42                | Ca  | 0       | 0               | 10.1         | 39.52                  | -                         | -              | 51.14                      | -11.62                |
| 5      | .4695           | 37.08                | Qp  | 0       | 0               | 10.1         | 47.18                  | 56.52                     | -9.34          | -                          | -                     |
| 6      | .4695           | 31.21                | Ca  | 0       | 0               | 10.1         | 41.31                  | -                         | -              | 46.52                      | -5.21                 |
| 7      | .672            | 36.46                | Qp  | 0       | 0               | 10.1         | 46.56                  | 56                        | -9.44          | -                          | -                     |
| 8      | .672            | 28.53                | Ca  | 0       | 0               | 10.1         | 38.63                  | -                         | -              | 46                         | -7.37                 |
| 9      | .8745           | 35.65                | Qp  | 0       | 0               | 10.1         | 45.75                  | 56                        | -10.25         | -                          | -                     |
| 10     | .87337          | 28.06                | Ca  | 0       | 0               | 10.1         | 38.16                  | -                         | -              | 46                         | -7.84                 |
| 11     | 15.1845         | 30.15                | Qp  | .1      | .3              | 10.2         | 40.75                  | 60                        | -19.25         | -                          | -                     |
| 12     | 15.1845         | 21.88                | Ca  | .1      | .3              | 10.2         | 32.48                  | -                         | -              | 50                         | -17.52                |

Qp - Quasi-Peak detector

Ca - CISPR average detection

## LINE 2 RESULTS



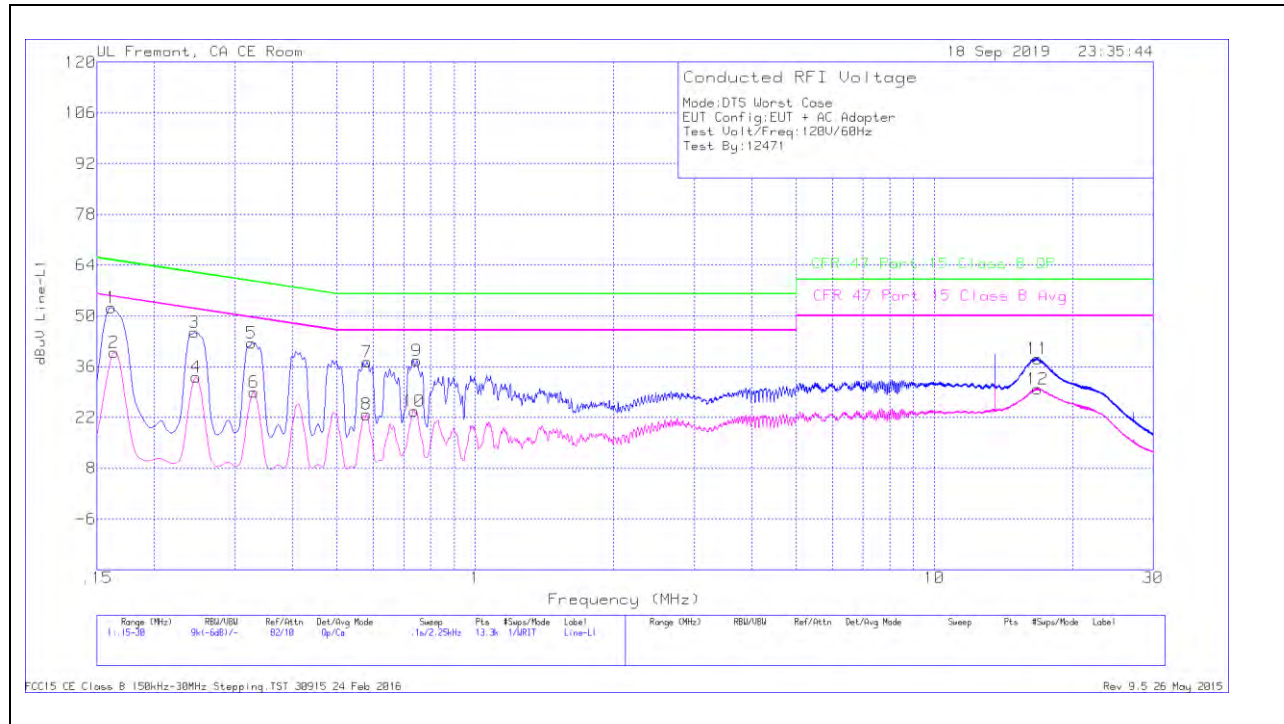
| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | LISN L2 | LC Cables C2&C3 | Limiter (dB) | Corrected Reading dBuV | CFR 47 Part 15 Class B QP | QP Margin (dB) | CFR 47 Part 15 Class B Avg | Av(CISPR) Margin (dB) |
|--------|-----------------|----------------------|-----|---------|-----------------|--------------|------------------------|---------------------------|----------------|----------------------------|-----------------------|
| 13     | .20175          | 35.82                | Qp  | 0       | 0               | 10.1         | 45.92                  | 63.54                     | -17.62         | -                          | -                     |
| 14     | .20175          | 28.89                | Ca  | 0       | 0               | 10.1         | 38.99                  | -                         | -              | 53.54                      | -14.55                |
| 15     | .26925          | 37.9                 | Qp  | 0       | 0               | 10.1         | 48                     | 61.14                     | -13.14         | -                          | -                     |
| 16     | .26925          | 31.08                | Ca  | 0       | 0               | 10.1         | 41.18                  | -                         | -              | 51.14                      | -9.96                 |
| 17     | .4695           | 37.58                | Qp  | 0       | 0               | 10.1         | 47.68                  | 56.52                     | -8.84          | -                          | -                     |
| 18     | .4695           | 30.89                | Ca  | 0       | 0               | 10.1         | 40.99                  | -                         | -              | 46.52                      | -5.53                 |
| 19     | .672            | 37.02                | Qp  | 0       | 0               | 10.1         | 47.12                  | 56                        | -8.88          | -                          | -                     |
| 20     | .672            | 29.92                | Ca  | 0       | 0               | 10.1         | 40.02                  | -                         | -              | 46                         | -5.98                 |
| 21     | .87225          | 36.65                | Qp  | 0       | 0               | 10.1         | 46.75                  | 56                        | -9.25          | -                          | -                     |
| 22     | .87225          | 29.29                | Ca  | 0       | 0               | 10.1         | 39.39                  | -                         | -              | 46                         | -6.61                 |
| 23     | 15.57375        | 33.28                | Qp  | .1      | .3              | 10.2         | 43.88                  | 60                        | -16.12         | -                          | -                     |
| 24     | 15.57375        | 25.05                | Ca  | .1      | .3              | 10.2         | 35.65                  | -                         | -              | 50                         | -14.35                |

Qp - Quasi-Peak detector

Ca - CISPR average detection

## 10.1.2. AC POWER LINE NORM

### LINE 1 RESULTS

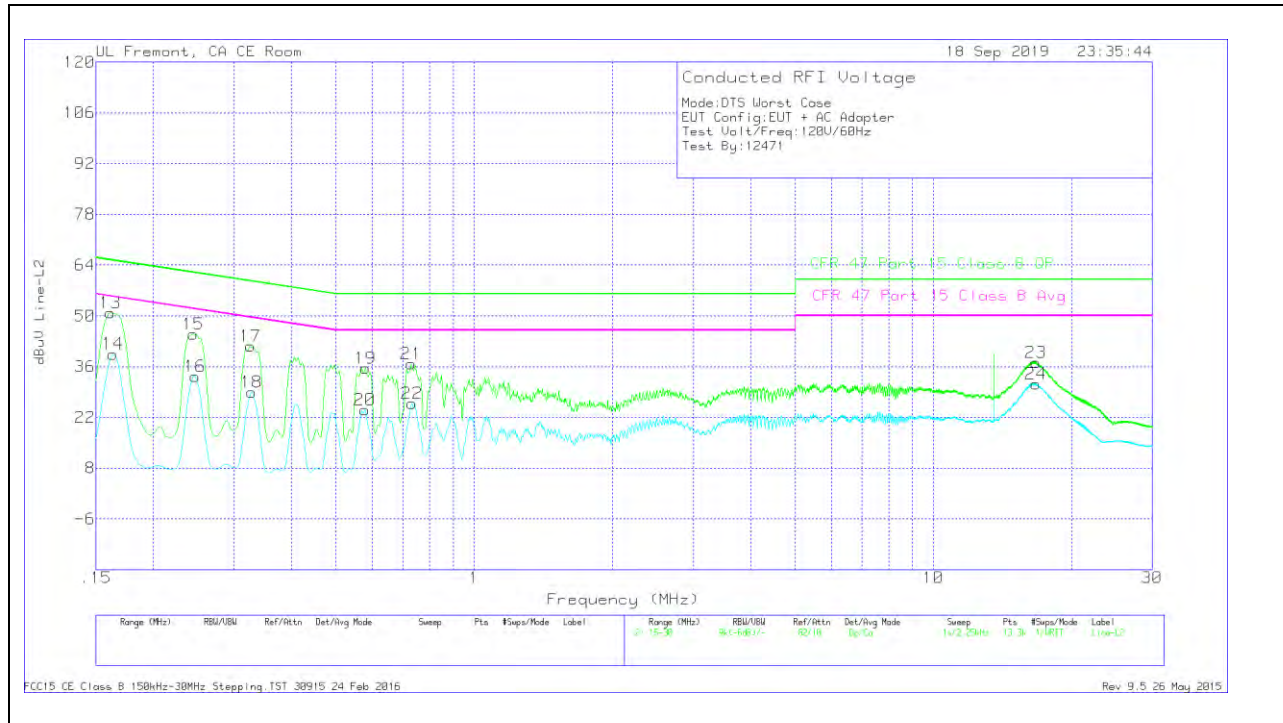


| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | LISN L1 | LC Cables C1&C3 | Limiter (dB) | Corrected Reading dBuV | CFR 47 Part 15 Class B QP | QP Margin (dB) | CFR 47 Part 15 Class B Avg | Av(CISPR) Margin (dB) |
|--------|-----------------|----------------------|-----|---------|-----------------|--------------|------------------------|---------------------------|----------------|----------------------------|-----------------------|
| 1      | .16125          | 42.13                | Qp  | .1      | 0               | 10.1         | 52.33                  | 65.4                      | -13.07         | -                          | -                     |
| 2      | .1635           | 29.66                | Ca  | .1      | 0               | 10.1         | 39.86                  | -                         | -              | 55.28                      | -15.42                |
| 3      | .2445           | 35.4                 | Qp  | 0       | 0               | 10.1         | 45.5                   | 61.94                     | -16.44         | -                          | -                     |
| 4      | .24675          | 23.05                | Ca  | 0       | 0               | 10.1         | 33.15                  | -                         | -              | 51.87                      | -18.72                |
| 5      | .3255           | 32.49                | Qp  | 0       | 0               | 10.1         | 42.59                  | 59.57                     | -16.98         | -                          | -                     |
| 6      | .33             | 18.85                | Ca  | 0       | 0               | 10.1         | 28.95                  | -                         | -              | 49.45                      | -20.5                 |
| 7      | .582            | 27.2                 | Qp  | 0       | 0               | 10.1         | 37.3                   | 56                        | -18.7          | -                          | -                     |
| 8      | .57975          | 12.7                 | Ca  | 0       | 0               | 10.1         | 22.8                   | -                         | -              | 46                         | -23.2                 |
| 9      | .74625          | 27.48                | Qp  | 0       | 0               | 10.1         | 37.58                  | 56                        | -18.42         | -                          | -                     |
| 10     | .73725          | 13.63                | Ca  | 0       | 0               | 10.1         | 23.73                  | -                         | -              | 46                         | -22.27                |
| 11     | 16.8            | 27.47                | Qp  | .1      | .3              | 10.3         | 38.17                  | 60                        | -21.83         | -                          | -                     |
| 12     | 16.7955         | 19.13                | Ca  | .1      | .3              | 10.3         | 29.83                  | -                         | -              | 50                         | -20.17                |

Qp - Quasi-Peak detector

Ca - CISPR average detection

## LINE 2 RESULTS



| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | LISN L2 | LC Cables C2&C3 | Limiter (dB) | Corrected Reading dBuV | CFR 47 Part 15 Class B QP | QP Margin (dB) | CFR 47 Part 15 Class B Avg | Av(CISPR) Margin (dB) |
|--------|-----------------|----------------------|-----|---------|-----------------|--------------|------------------------|---------------------------|----------------|----------------------------|-----------------------|
| 13     | .16125          | 40.61                | Qp  | .1      | 0               | 10.1         | 50.81                  | 65.4                      | -14.59         | -                          | -                     |
| 14     | .1635           | 29.28                | Ca  | .1      | 0               | 10.1         | 39.48                  | -                         | -              | 55.28                      | -15.8                 |
| 15     | .2445           | 34.83                | Qp  | 0       | 0               | 10.1         | 44.93                  | 61.94                     | -17.01         | -                          | -                     |
| 16     | .24675          | 23.28                | Ca  | 0       | 0               | 10.1         | 33.38                  | -                         | -              | 51.87                      | -18.49                |
| 17     | .3255           | 31.59                | Qp  | 0       | 0               | 10.1         | 41.69                  | 59.57                     | -17.88         | -                          | -                     |
| 18     | .32775          | 18.89                | Ca  | 0       | 0               | 10.1         | 28.99                  | -                         | -              | 49.51                      | -20.52                |
| 19     | .57975          | 25.55                | Qp  | 0       | 0               | 10.1         | 35.65                  | 56                        | -20.35         | -                          | -                     |
| 20     | .5775           | 14.07                | Ca  | 0       | 0               | 10.1         | 24.17                  | -                         | -              | 46                         | -21.83                |
| 21     | .7305           | 26.74                | Qp  | 0       | 0               | 10.1         | 36.84                  | 56                        | -19.16         | -                          | -                     |
| 22     | .73275          | 15.72                | Ca  | 0       | 0               | 10.1         | 25.82                  | -                         | -              | 46                         | -20.18                |
| 23     | 16.73025        | 26.46                | Qp  | .1      | .3              | 10.3         | 37.16                  | 60                        | -22.84         | -                          | -                     |
| 24     | 16.73925        | 20.51                | Ca  | .1      | .3              | 10.3         | 31.21                  | -                         | -              | 50                         | -18.79                |

Qp - Quasi-Peak detector

Ca - CISPR average detection

## **11. SETUP PHOTOS**

Please refer to 13018973-EP1V1 for setup photos

**END OF TEST REPORT**