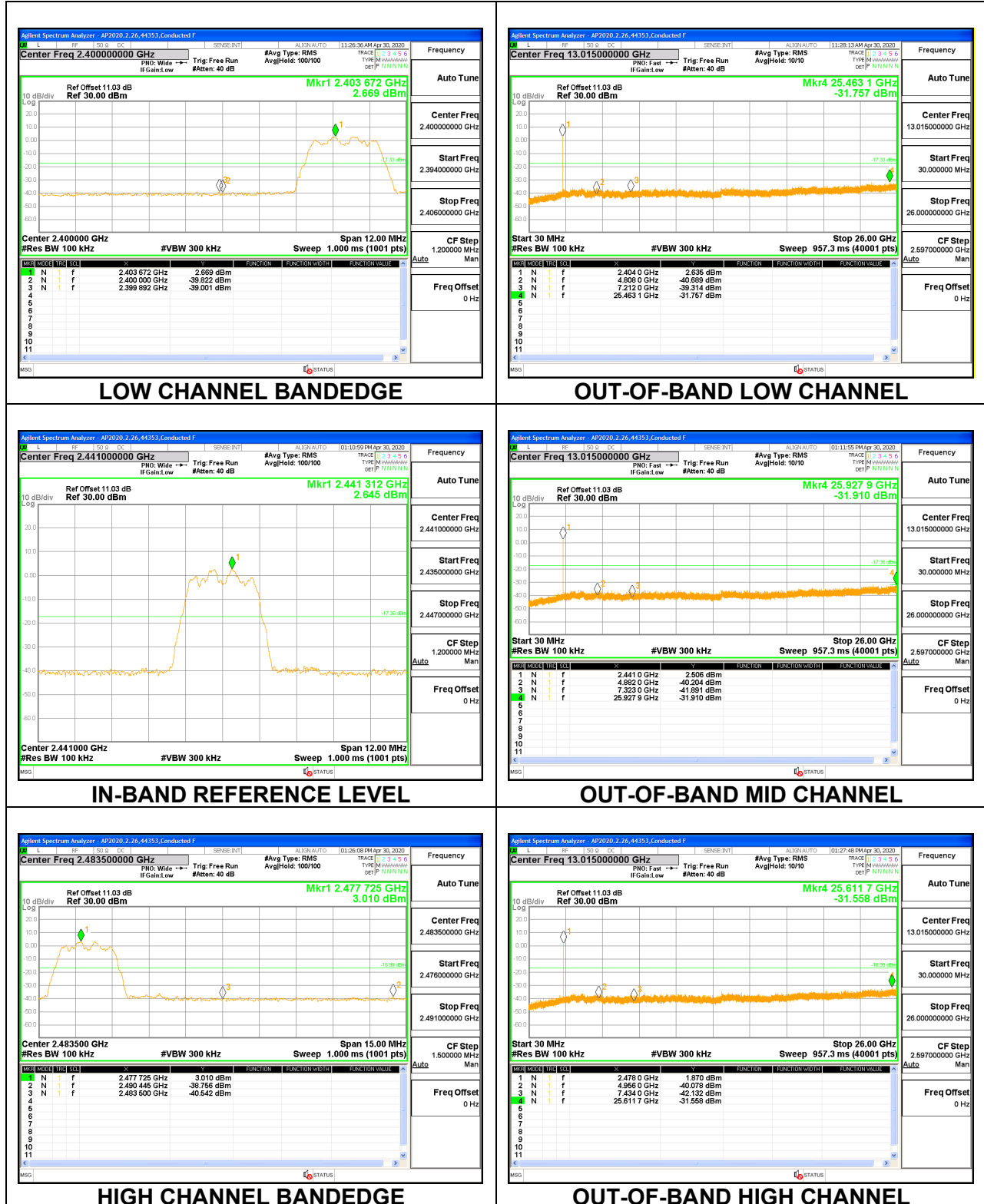


## 9.7.5. LOW POWER HDR (HDR4)

### ANT 4



Agilent Spectrum Analyzer

AP2020.2.26.44353\_Conducted F

SENSE INT

ALISO AUTO

09:24:20 AM Apr 30, 2020

Center Freq 2.40000000 GHz

PRO: Wide → Trig: Free Run #Avg Type: RMS AvgHold: 100/100

Ref Offset 11.13 dB Ref 30.00 dBm

Mkr1 2.404 308 GHz 2.798 dBm

10 dBdiv Log

20.0

10.0

0.00

-10.0

-20.0

-30.0

-40.0

-50.0

-60.0

Center 2.400000 GHz #VBW 300 kHz Span 12.00 MHz #Res BW 100 kHz Sweep 1.000 ms (1001 pts)

1 2 3 4 5 6 7 8 9 10 11

MSG

Auto Tune

Center Freq 2.40000000 GHz

Start Freq 2.394000000 GHz

Stop Freq 2.406000000 GHz

CF Step 1.200000 MHz

Frequency

Auto

Man

0 Hz

0 Hz

0 Hz

| MODE | TRF | SCN | X             | Y           | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |
|------|-----|-----|---------------|-------------|----------|----------------|----------------|
| 1    | N   | f   | 2.404 308 GHz | 2.798 dBm   |          |                |                |
| 2    | N   | f   | 2.400 000 GHz | -41.127 dBm |          |                |                |
| 3    | N   | f   | 2.394 490 GHz | -39.026 dBm |          |                |                |

LOW CHANNEL BANDEDGE

Agilent Spectrum Analyzer

AP2020.2.26.44353\_Conducted F

SENSE INT

ALISO AUTO

09:25:01 AM Apr 30, 2020

Center Freq 13.01500000 GHz

PRO: Fast → Trig: Free Run #Avg Type: RMS AvgHold: 10/10

Ref Offset 11.13 dB Ref 30.00 dBm

Mkr4 25.707 2 GHz -32.203 dBm

10 dBdiv Log

20.0

10.0

0.00

-10.0

-20.0

-30.0

-40.0

-50.0

-60.0

Center 13.01500000 GHz #VBW 300 kHz Span 26.00 MHz #Res BW 100 kHz Sweep 957.3 ms (40001 pts)

1 2 3 4 5 6 7 8 9 10 11

MSG

Auto Tune

Center Freq 13.01500000 GHz

Start Freq 30.000000 MHz

Stop Freq 26.000000000 GHz

CF Step 2.557000000 GHz

Frequency

Auto

Man

0 Hz

0 Hz

0 Hz

| MODE | TRF | SCN | X            | Y           | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |
|------|-----|-----|--------------|-------------|----------|----------------|----------------|
| 1    | N   | f   | 2.404 0 GHz  | 1.282 dBm   |          |                |                |
| 2    | N   | f   | 4.899 0 GHz  | -40.804 dBm |          |                |                |
| 3    | N   | f   | 7.212 0 GHz  | -39.683 dBm |          |                |                |
| 4    | N   | f   | 25.707 2 GHz | -32.203 dBm |          |                |                |

OUT-OF-BAND LOW CHANNEL

Agilent Spectrum Analyzer

AP2020.2.26.44353\_Conducted F

SENSE INT

ALISO AUTO

09:36:24 AM Apr 30, 2020

Center Freq 2.441000000 GHz

PRO: Wide → Trig: Free Run #Avg Type: RMS AvgHold: 100/100

Ref Offset 11.13 dB Ref 30.00 dBm

Mkr1 2.441 312 GHz 2.917 dBm

10 dBdiv Log

20.0

10.0

0.00

-10.0

-20.0

-30.0

-40.0

-50.0

-60.0

Center 2.441000 GHz #VBW 300 kHz Span 12.00 MHz #Res BW 100 kHz Sweep 1.000 ms (1001 pts)

1 2 3 4 5 6 7 8 9 10 11

MSG

Auto Tune

Center Freq 2.441000000 GHz

Start Freq 2.435000000 GHz

Stop Freq 2.447000000 GHz

CF Step 1.200000 MHz

Frequency

Auto

Man

0 Hz

0 Hz

0 Hz

| MODE | TRF | SCN | X            | Y           | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |
|------|-----|-----|--------------|-------------|----------|----------------|----------------|
| 1    | N   | f   | 2.441 0 GHz  | 1.248 dBm   |          |                |                |
| 2    | N   | f   | 4.892 0 GHz  | -40.002 dBm |          |                |                |
| 3    | N   | f   | 7.323 0 GHz  | -40.588 dBm |          |                |                |
| 4    | N   | f   | 25.626 7 GHz | -31.675 dBm |          |                |                |

IN-BAND REFERENCE LEVEL

Agilent Spectrum Analyzer

AP2020.2.26.44353\_Conducted F

SENSE INT

ALISO AUTO

09:37:34 AM Apr 30, 2020

Center Freq 13.01500000 GHz

PRO: Fast → Trig: Free Run #Avg Type: RMS AvgHold: 10/10

Ref Offset 11.13 dB Ref 30.00 dBm

Mkr4 25.626 7 GHz -31.675 dBm

10 dBdiv Log

20.0

10.0

0.00

-10.0

-20.0

-30.0

-40.0

-50.0

-60.0

Center 13.01500000 GHz #VBW 300 kHz Span 26.00 MHz #Res BW 100 kHz Sweep 957.3 ms (40001 pts)

1 2 3 4 5 6 7 8 9 10 11

MSG

Auto Tune

Center Freq 13.01500000 GHz

Start Freq 30.000000 MHz

Stop Freq 26.000000000 GHz

CF Step 2.557000000 GHz

Frequency

Auto

Man

0 Hz

0 Hz

0 Hz

| MODE | TRF | SCN | X            | Y           | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |
|------|-----|-----|--------------|-------------|----------|----------------|----------------|
| 1    | N   | f   | 2.441 0 GHz  | 1.248 dBm   |          |                |                |
| 2    | N   | f   | 4.892 0 GHz  | -40.002 dBm |          |                |                |
| 3    | N   | f   | 7.323 0 GHz  | -40.588 dBm |          |                |                |
| 4    | N   | f   | 25.626 7 GHz | -31.675 dBm |          |                |                |

OUT-OF-BAND MID CHANNEL

Agilent Spectrum Analyzer

AP2020.2.26.44353\_Conducted F

SENSE INT

ALISO AUTO

09:45:01 AM Apr 30, 2020

Center Freq 2.483500000 GHz

PRO: Wide → Trig: Free Run #Avg Type: RMS AvgHold: 100/100

Ref Offset 11.13 dB Ref 30.00 dBm

Mkr1 2.477 725 GHz 2.905 dBm

10 dBdiv Log

20.0

10.0

0.00

-10.0

-20.0

-30.0

-40.0

-50.0

-60.0

Center 2.483500 GHz #VBW 300 kHz Span 15.00 MHz #Res BW 100 kHz Sweep 1.000 ms (1001 pts)

1 2 3 4 5 6 7 8 9 10 11

MSG

Auto Tune

Center Freq 2.483500000 GHz

Start Freq 2.476000000 GHz

Stop Freq 2.491000000 GHz

CF Step 1.500000 MHz

Frequency

Auto

Man

0 Hz

0 Hz

0 Hz

| MODE | TRF | SCN | X             | Y           | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |
|------|-----|-----|---------------|-------------|----------|----------------|----------------|
| 1    | N   | f   | 2.477 725 GHz | 2.905 dBm   |          |                |                |
| 2    | N   | f   | 2.486 360 GHz | -37.933 dBm |          |                |                |
| 3    | N   | f   | 2.483 500 GHz | -41.196 dBm |          |                |                |

HIGH CHANNEL BANDEDGE

Agilent Spectrum Analyzer

AP2020.2.26.44353\_Conducted F

SENSE INT

ALISO AUTO

09:45:40 AM Apr 30, 2020

Center Freq 13.01500000 GHz

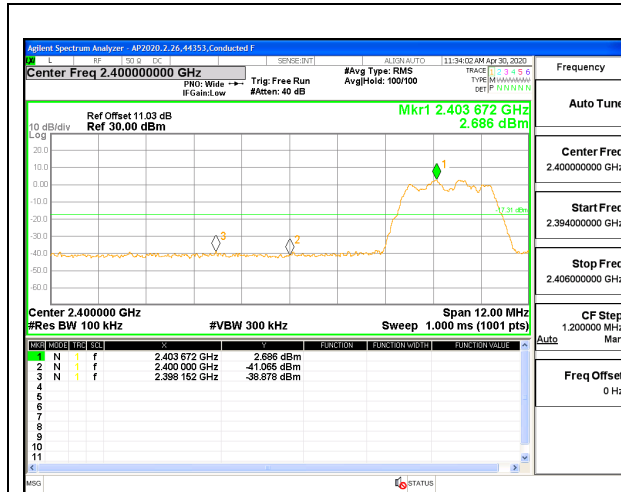
PRO: Fast → Trig: Free Run #Avg Type: RMS AvgHold: 10/10

Ref Offset 11.13 dB Ref 30.00 dBm

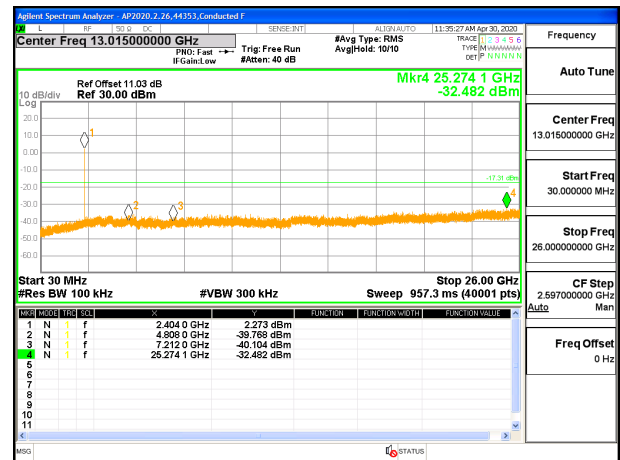
Mkr4 25.494

# 9.7.6. LOW POWER HDR TXBF (HDR4)

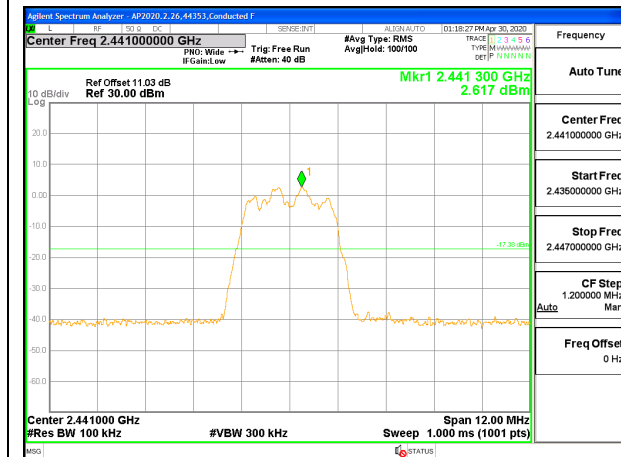
## ANT 4



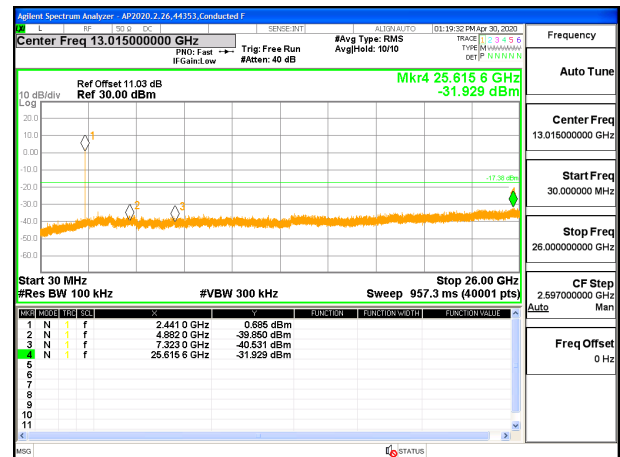
LOW CHANNEL BANDEDGE ANT 4



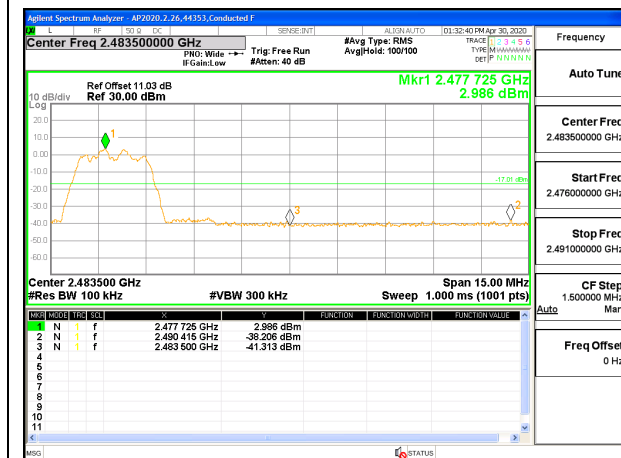
OUT-OF-BAND LOW CHANNEL ANT 4



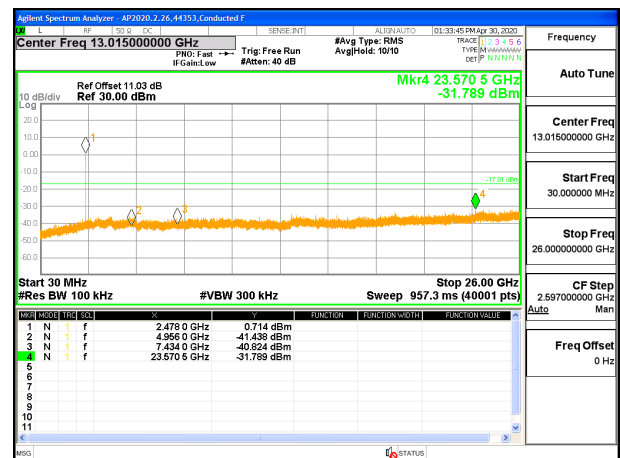
IN-BAND REFERENCE LEVEL ANT 4



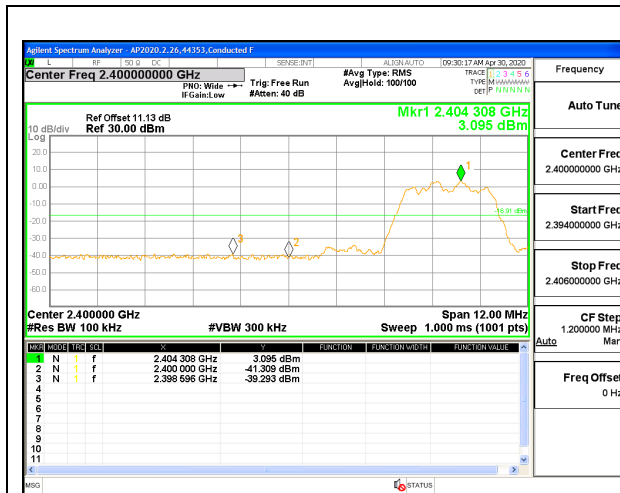
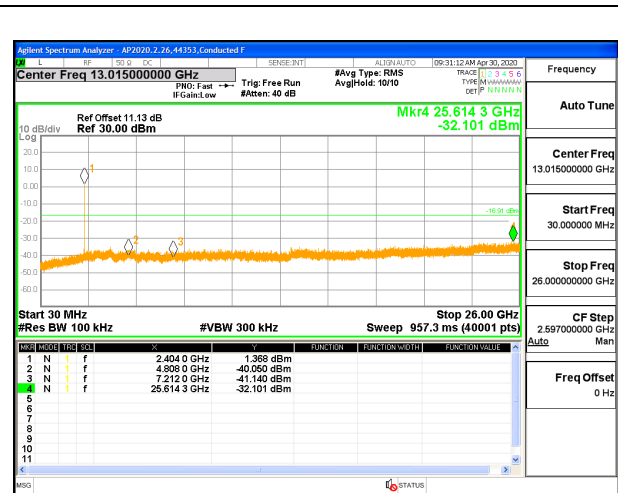
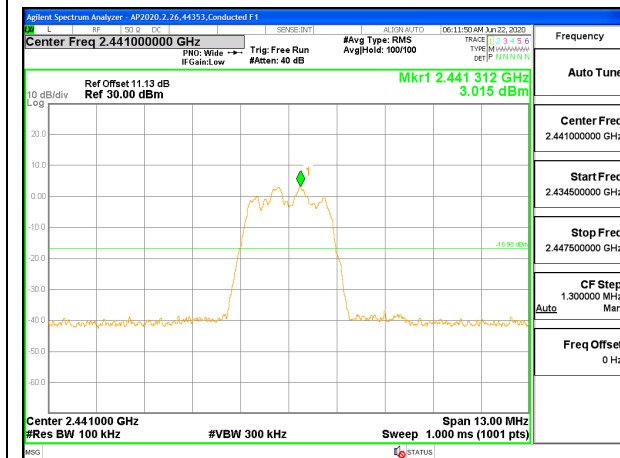
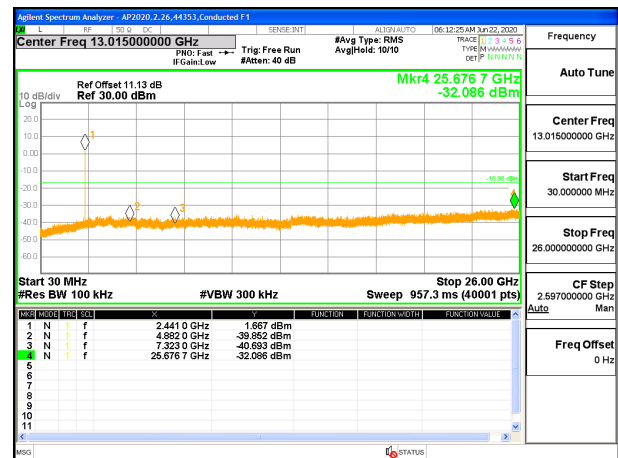
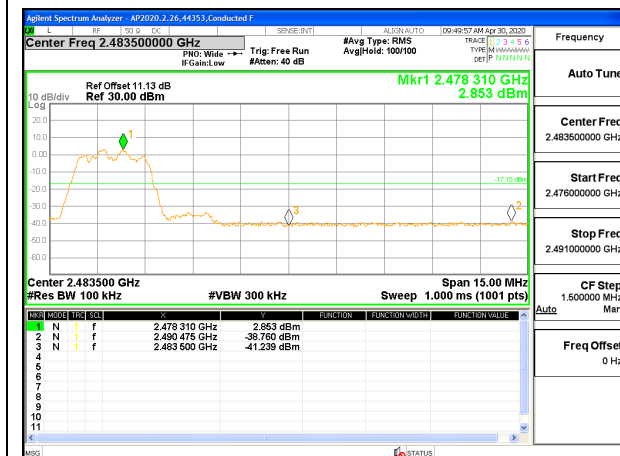
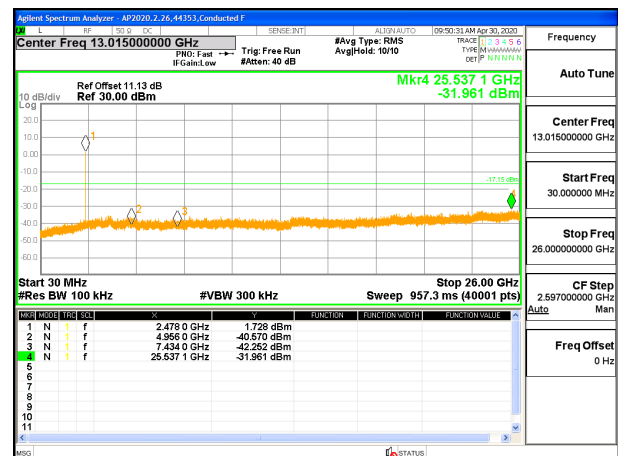
OUT-OF-BAND MID CHANNEL ANT 4



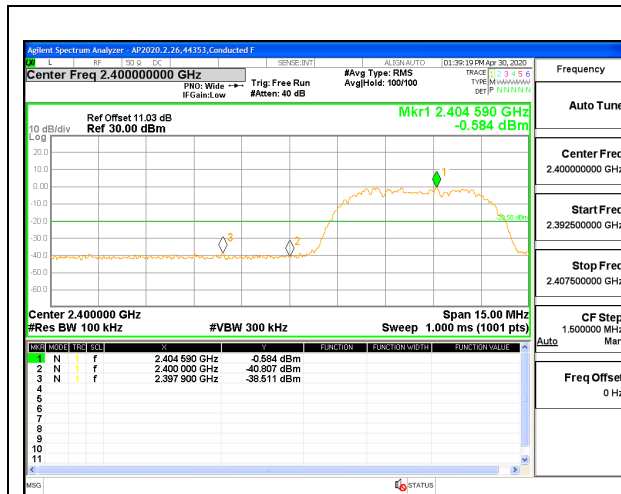
HIGH CHANNEL BANDEDGE ANT 4



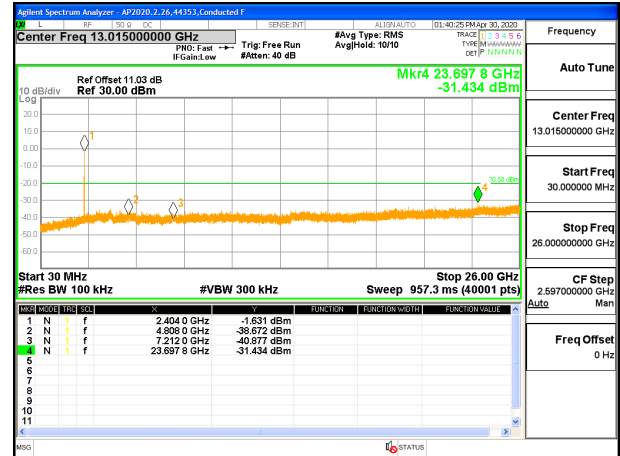
OUT-OF-BAND HIGH CHANNEL ANT 4

**ANT 3****LOW CHANNEL BANDEDGE ANT 3****OUT-OF-BAND LOW CHANNEL ANT 3****IN-BAND REFERENCE LEVEL ANT 3****OUT-OF-BAND MID CHANNEL ANT 3****HIGH CHANNEL BANDEDGE ANT 3****OUT-OF-BAND HIGH CHANNEL ANT 3**

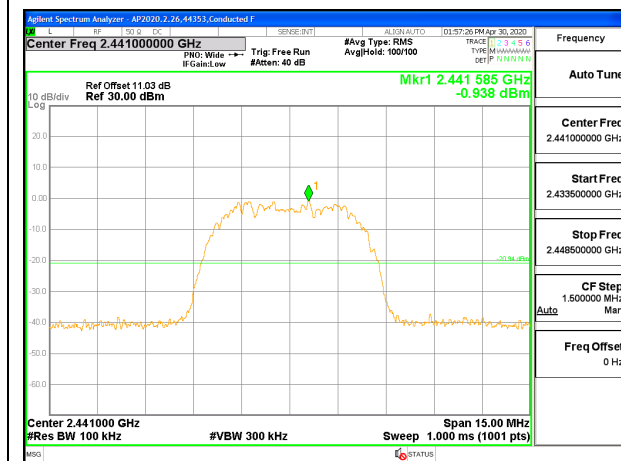
# 9.7.7. LOW POWER HDR (HDR8) ANT 4



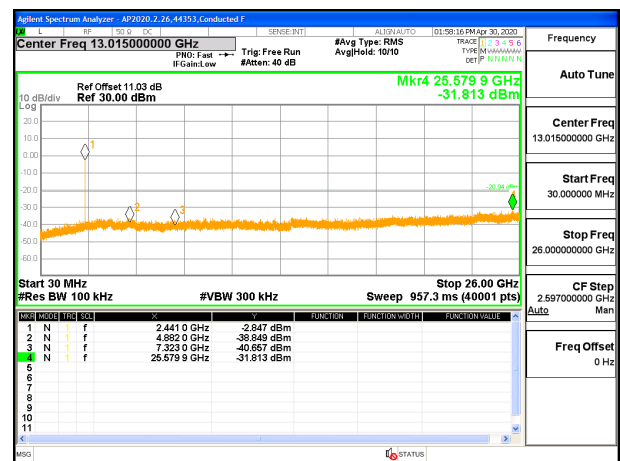
LOW CHANNEL BANDEDGE



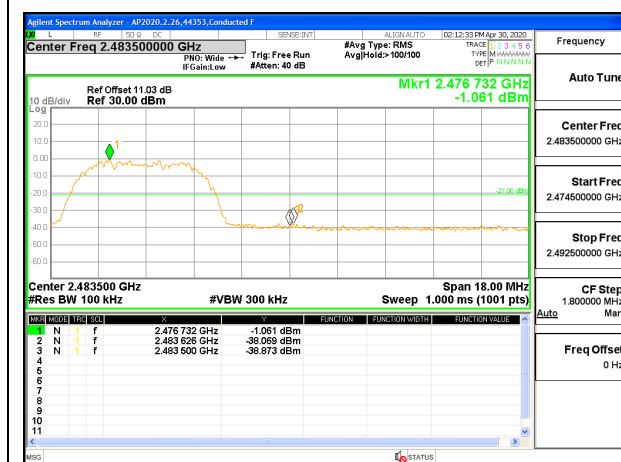
OUT-OF-BAND LOW CHANNEL



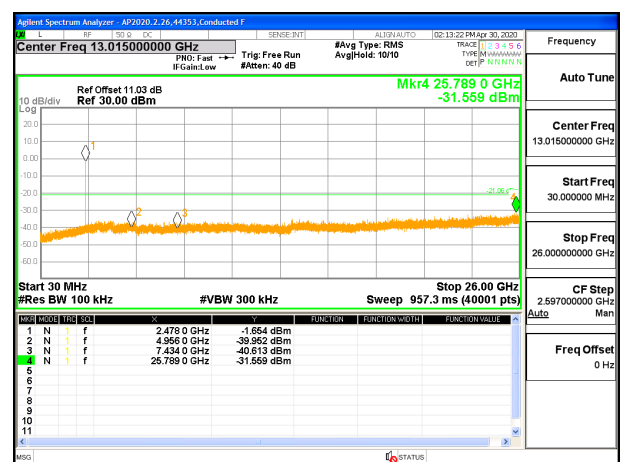
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL

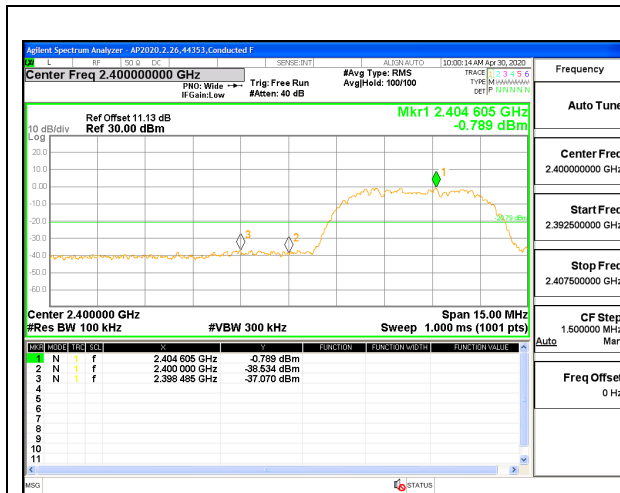


HIGH CHANNEL BANDEDGE

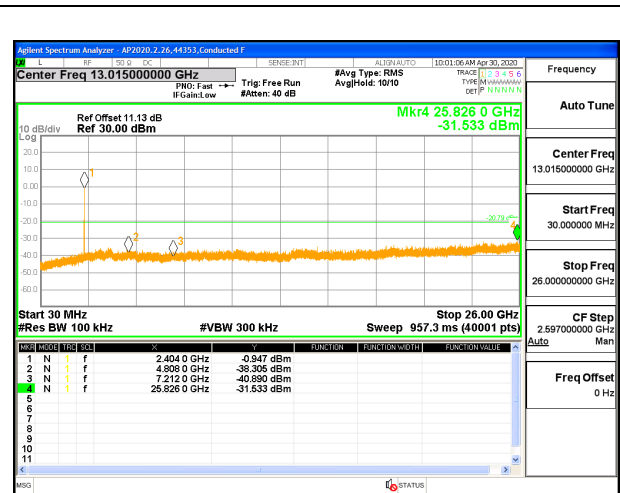


OUT-OF-BAND HIGH CHANNEL

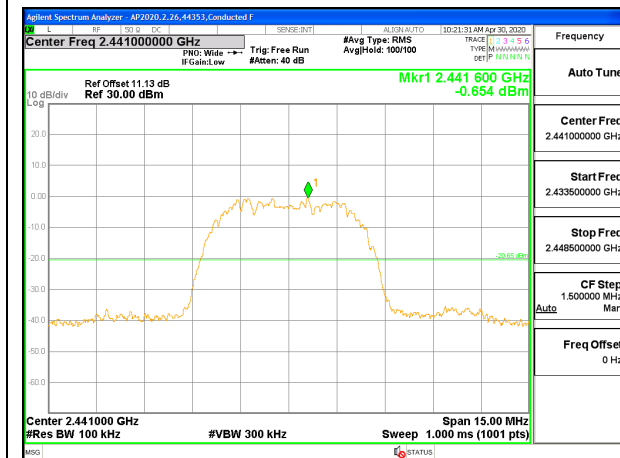
**ANT 3**



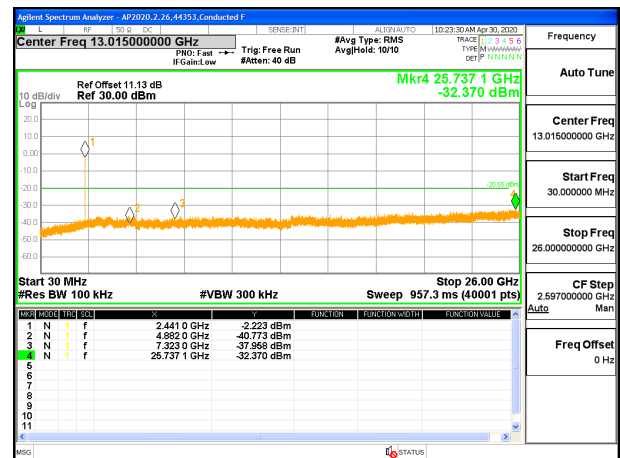
**LOW CHANNEL BANDEDGE**



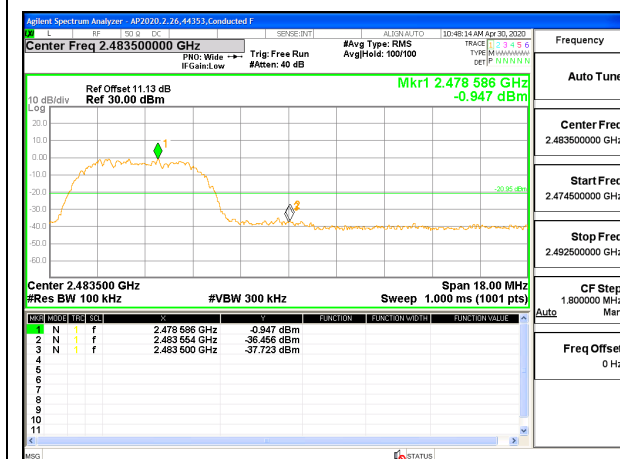
**OUT-OF-BAND LOW CHANNEL**



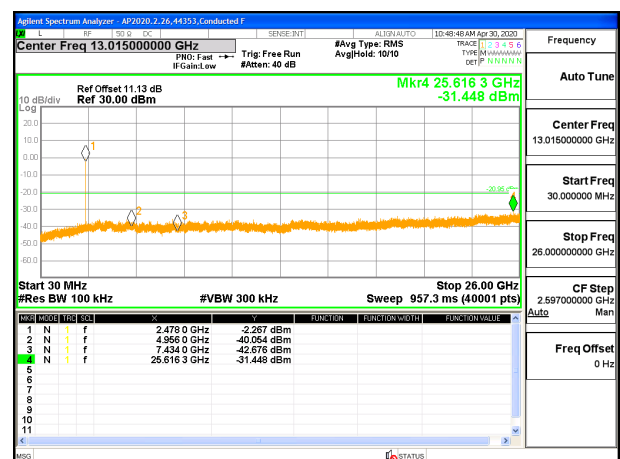
**IN-BAND REFERENCE LEVEL**



**OUT-OF-BAND MID CHANNEL**



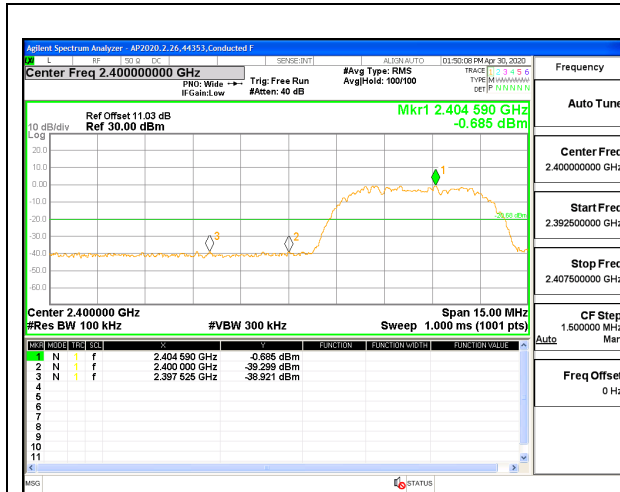
**HIGH CHANNEL BANDEDGE**



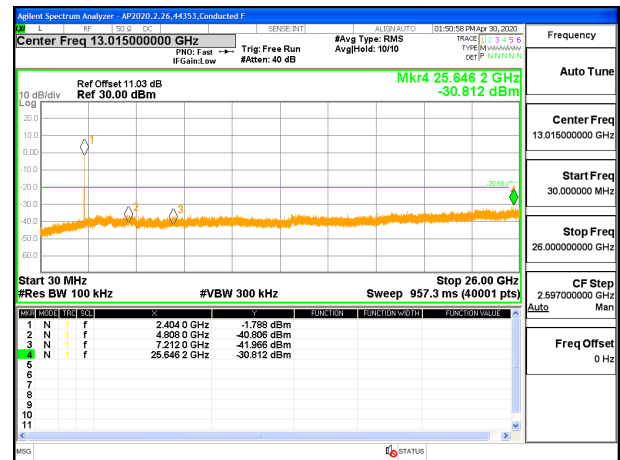
**OUT-OF-BAND HIGH CHANNEL**

# 9.7.8. LOW POWER HDR TXBF (HDR8)

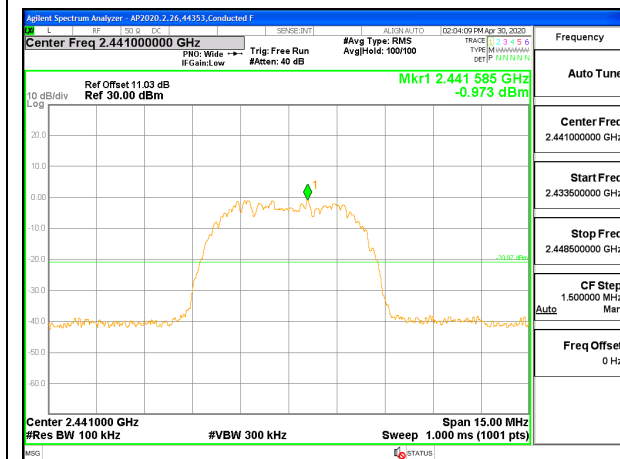
## ANT 4



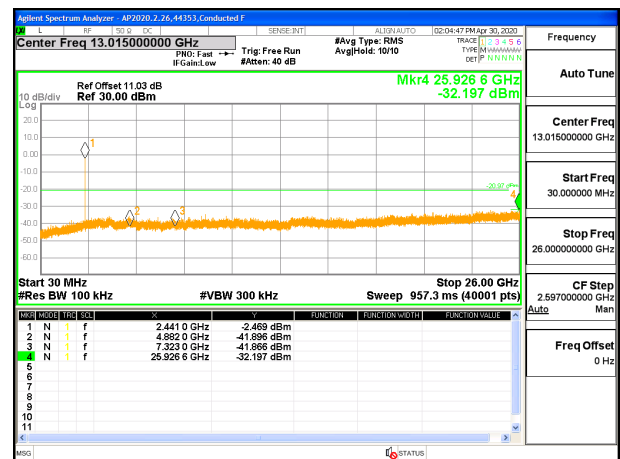
LOW CHANNEL BANDEDGE ANT 4



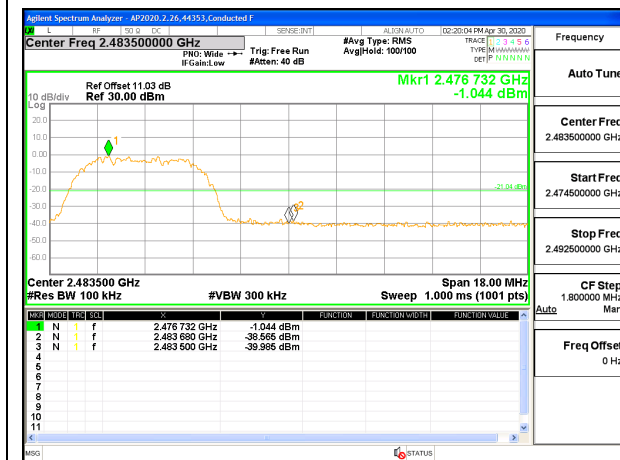
OUT-OF-BAND LOW CHANNEL ANT 4



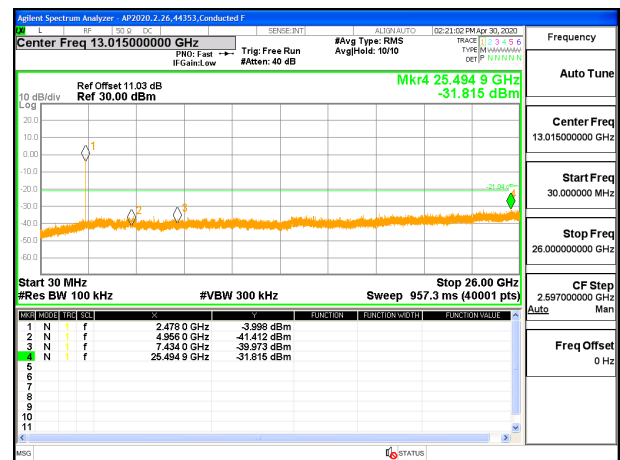
IN-BAND REFERENCE LEVEL ANT 4



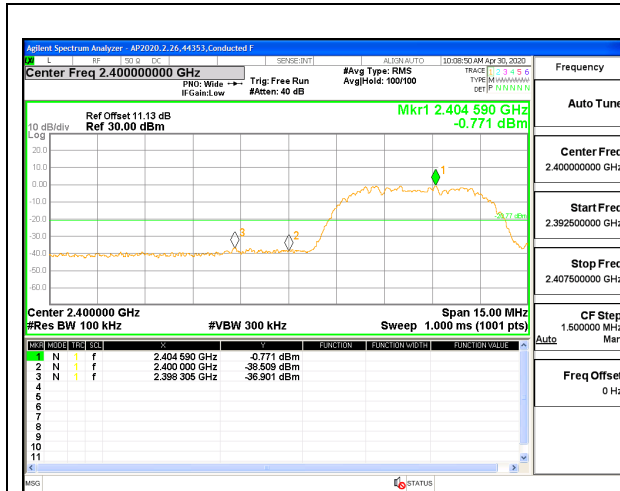
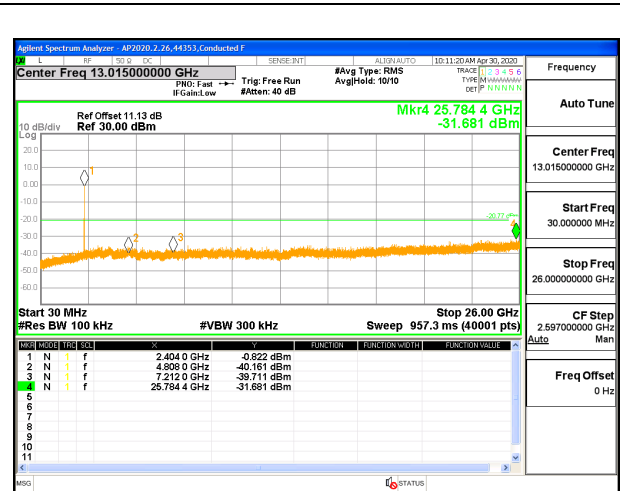
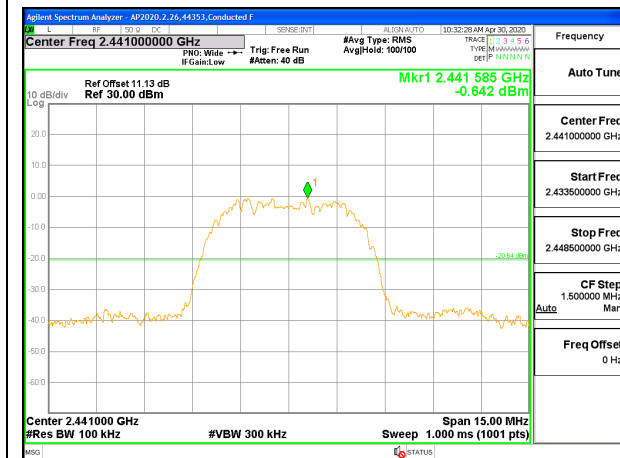
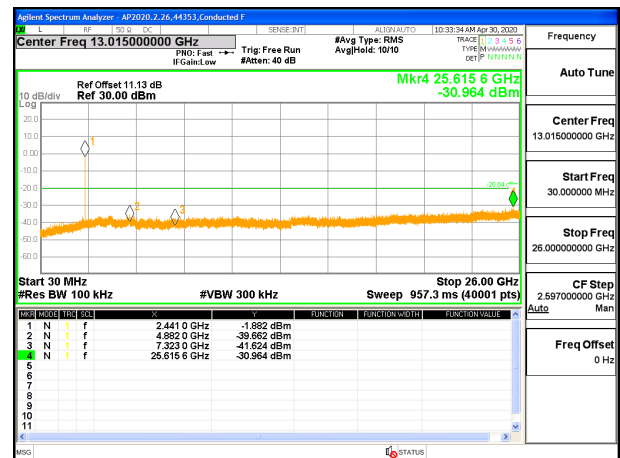
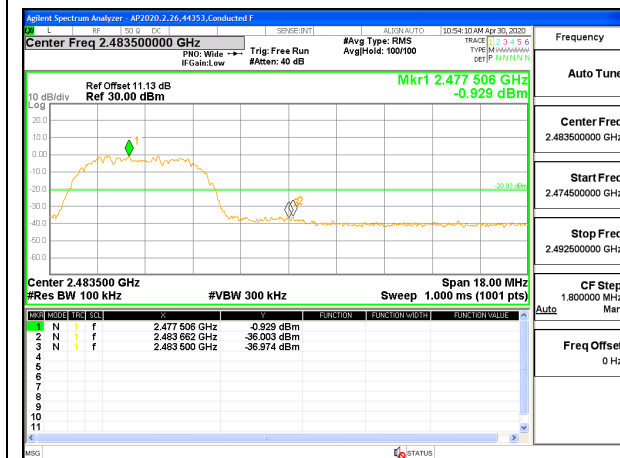
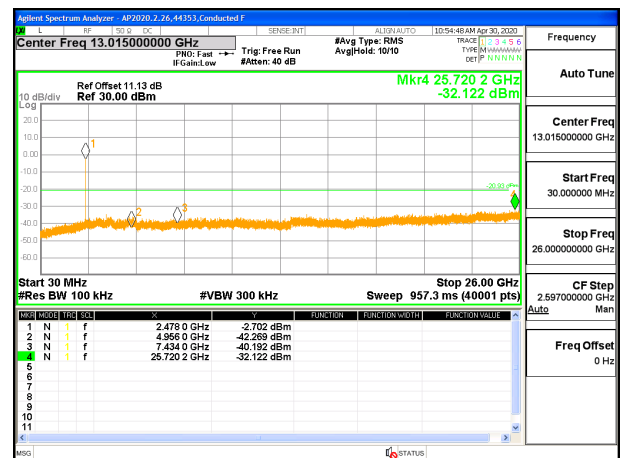
OUT-OF-BAND MID CHANNEL ANT 4



HIGH CHANNEL BANDEDGE ANT 4



OUT-OF-BAND HIGH CHANNEL ANT 4

**ANT 3****LOW CHANNEL BANDEDGE ANT 3****OUT-OF-BAND LOW CHANNEL ANT 3****IN-BAND REFERENCE LEVEL ANT 3****OUT-OF-BAND MID CHANNEL ANT 3****HIGH CHANNEL BANDEDGE ANT 3****OUT-OF-BAND HIGH CHANNEL ANT 3**

## 10. RADIATED TEST RESULTS

### 10.1. LIMITS AND PROCEDURE

#### LIMITS

FCC §15.205 and §15.209  
RSS-GEN, Section 8.9 and 8.10.

| Frequency Range (MHz) | Field Strength Limit (uV/m) at 3 m | Field Strength Limit (dBuV/m) at 3 m |
|-----------------------|------------------------------------|--------------------------------------|
| 0.009-0.490           | 2400/F(kHz) @ 300 m                | -                                    |
| 0.490-1.705           | 24000/F(kHz) @ 30 m                | -                                    |
| 1.705 - 30            | 30 @ 30m                           | -                                    |
| 30 - 88               | 100                                | 40                                   |
| 88 - 216              | 150                                | 43.5                                 |
| 216 - 960             | 200                                | 46                                   |
| Above 960             | 500                                | 54                                   |

#### TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 KHz for peak measurements.

For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

The spectrum from 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band. Below 1GHz and above 18GHz emissions, the channel with the highest output power was tested.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel), parallel and perpendicular are the worst orientations, therefore testing was performed on these two orientations only.

Compliance with radiated spurious emissions limits in the restricted bands closest to the allocated 2404 – 2478 MHz band were performed on all modes for the low and high channels. Additional measurements on adjacent channels to the low and/or high channels were limited to cases where the edge channels have a significantly lower rated power than the adjacent channels.

Compliance with radiated spurious emissions limits in the restricted bands between 1GHz and 18GHz (except as explained for the band edge) the operating band were performed on the low, middle and high channel for HDR8 mode. As this mode has the highest output power and highest power spectral density it is considered worst case for spurious emissions across all modes. For these tests both transmit chains were operating simultaneously and set to the maximum power per chain to cover both TXBF mode. Spurious emissions for frequencies below 1Ghz and above 18GHz were limited to the center channel as preliminary testing indicated that changing the operating frequency had no significant impact on the emissions in those frequency bands.

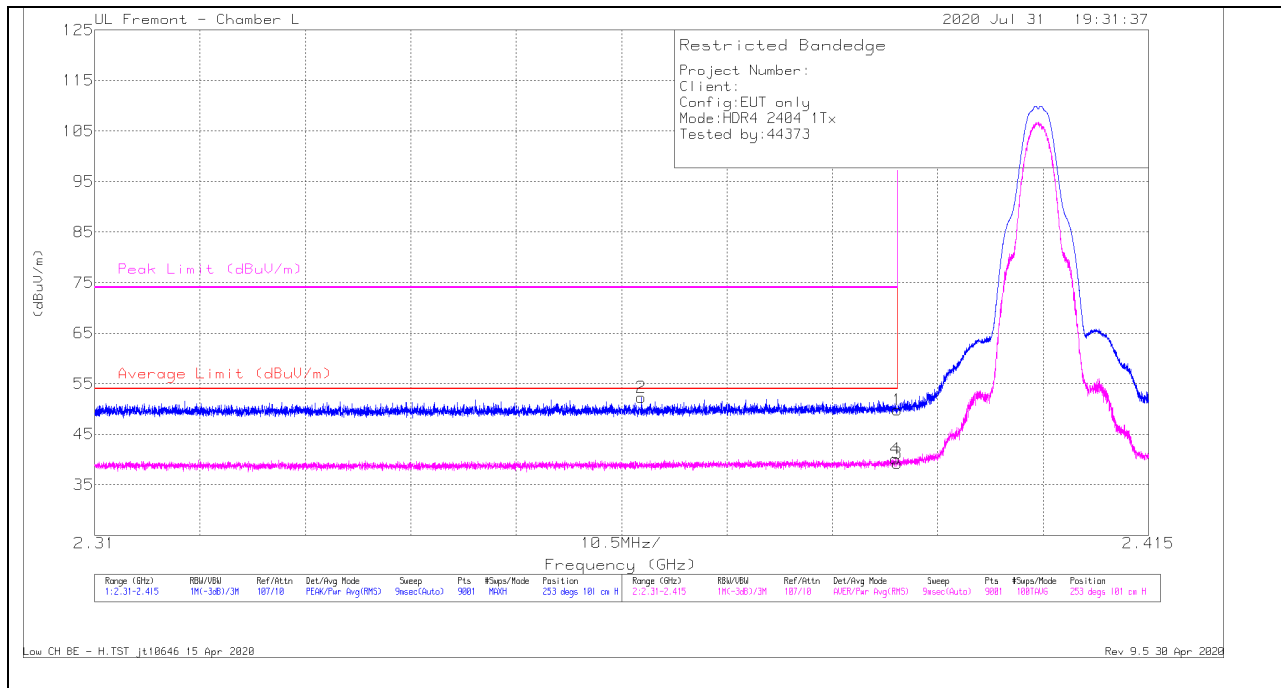
## 10.2. TRANSMITTER ABOVE 1 GHz

### 10.2.1. HIGH POWER HDR (HDR4)

#### ANT 4

#### BANDEDGE (LOW CHANNEL)

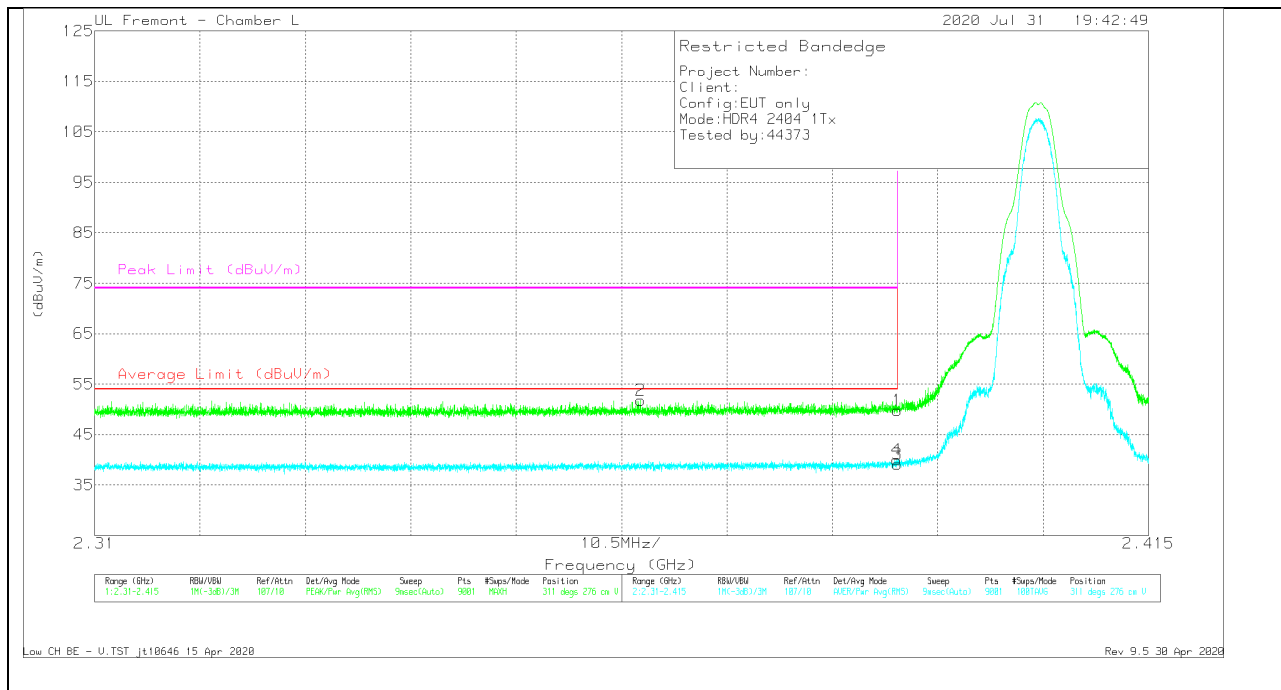
#### HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/Cbl/Filt/Psd (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       | 38.99                | Pk  | 31.9          | -21.1                 | 49.79                      | -                      | -           | 74                  | -24.21         | 253            | 101         | H        |
| 2      | * 2.36448       | 41.77                | Pk  | 31.7          | -21.2                 | 52.27                      | -                      | -           | 74                  | -21.73         | 253            | 101         | H        |
| 3      | * 2.38999       | 28.44                | RMS | 31.9          | -21.1                 | 39.24                      | 54                     | -14.76      | -                   | -              | 253            | 101         | H        |
| 4      | * 2.38979       | 29.28                | RMS | 31.9          | -21.1                 | 40.08                      | 54                     | -13.92      | -                   | -              | 253            | 101         | H        |

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

## VERTICAL RESULT

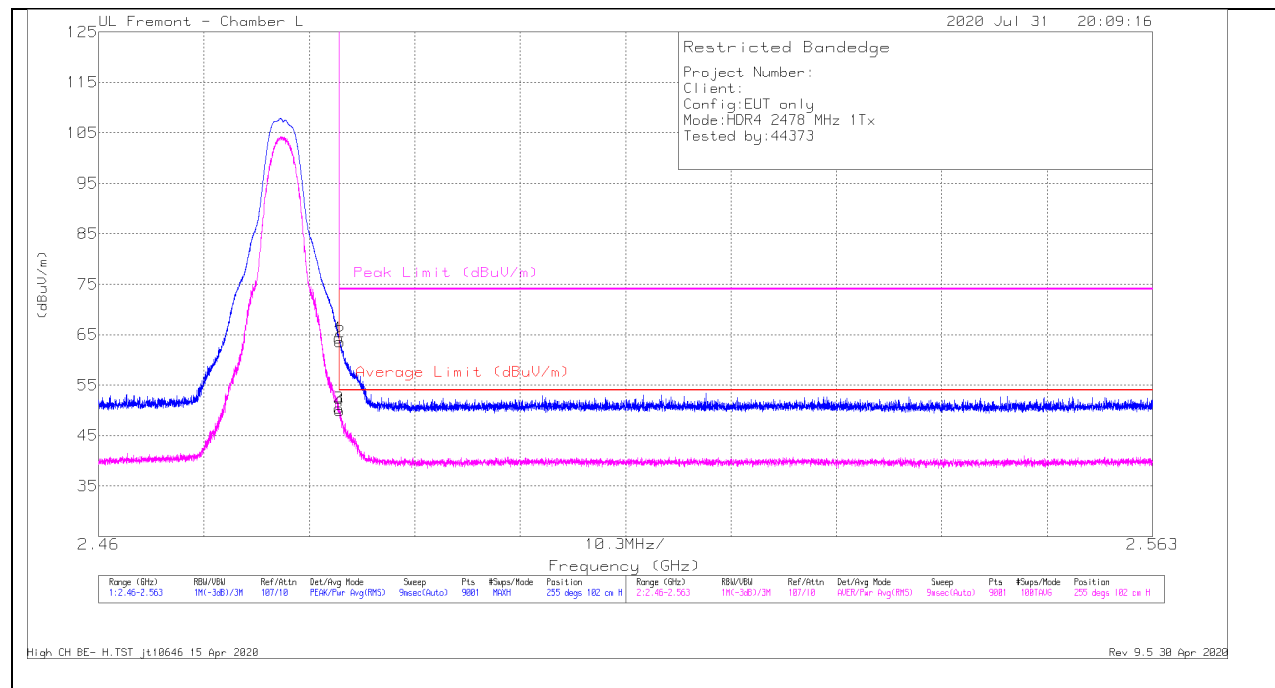


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/CbI/Fitr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.38999       | 39.01                | Pk  | 31.9          | -21.1                  | 49.81                      | -                      | -           | 74                  | -24.19         | 311            | 276         | V        |
| 2      | * 2.36438       | 41.3                 | Pk  | 31.7          | -21.2                  | 51.8                       | -                      | -           | 74                  | -22.2          | 311            | 276         | V        |
| 3      | * 2.38999       | 28.3                 | RMS | 31.9          | -21.1                  | 39.1                       | 54                     | -14.9       | -                   | -              | 311            | 276         | V        |
| 4      | * 2.3899        | 29.2                 | RMS | 31.9          | -21.1                  | 40                         | 54                     | -14         | -                   | -              | 311            | 276         | V        |

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

Pk - Peak detector

RMS - RMS detection

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

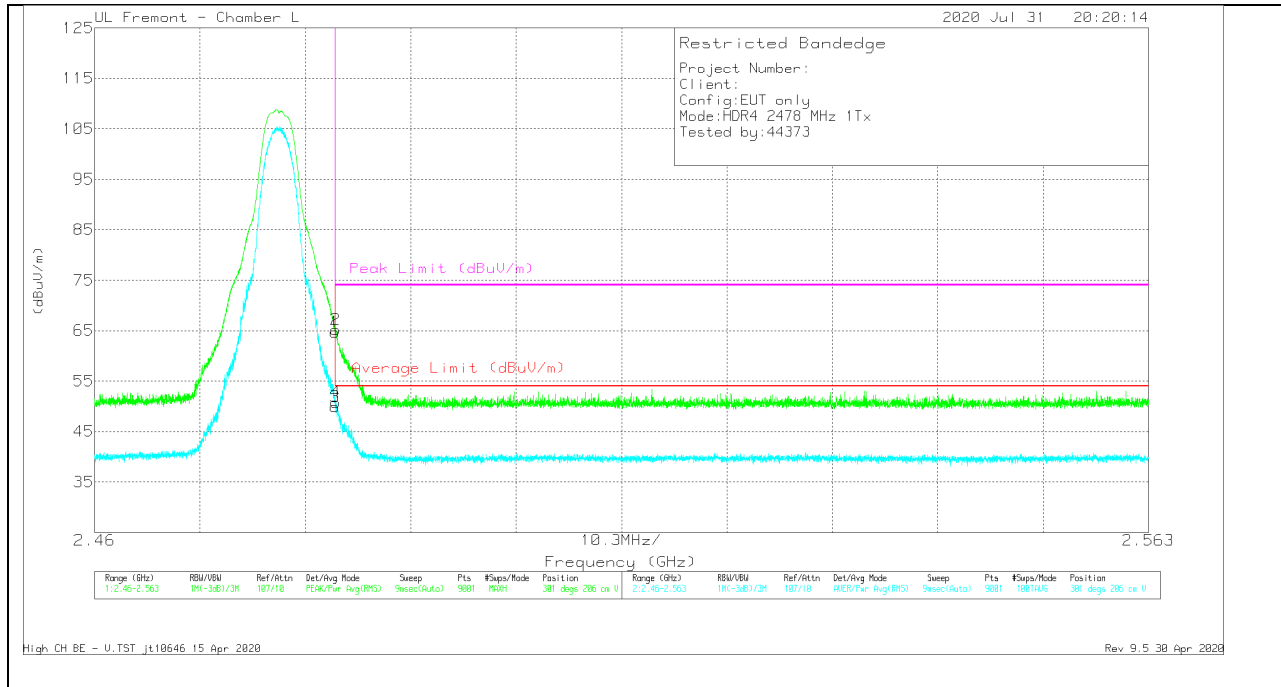
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/Cbl/Fitr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 52.92                | Pk  | 32.3          | -20.9                  | 64.32                      | -                      | -           | 74                  | -9.68          | 255            | 102         | H        |
| 2      | * 2.48359       | 52.18                | Pk  | 32.3          | -20.9                  | 63.58                      | -                      | -           | 74                  | -10.42         | 255            | 102         | H        |
| 3      | * 2.48351       | 38.97                | RMS | 32.3          | -20.9                  | 50.37                      | 54                     | -3.63       | -                   | -              | 255            | 102         | H        |
| 4      | * 2.48356       | 38.5                 | RMS | 32.3          | -20.9                  | 49.9                       | 54                     | -4.1        | -                   | -              | 255            | 102         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT

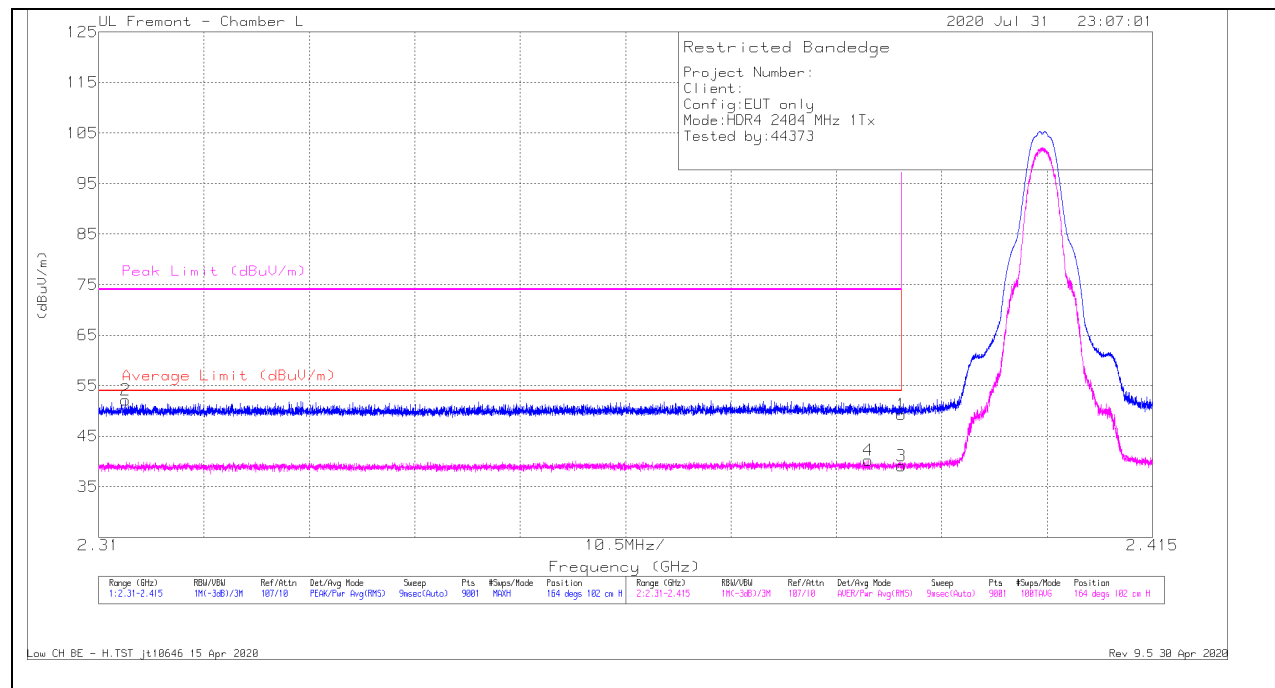


| Marker | Frequency (GHz) | Meter Reading (dBUV) | Det | AF 344 (dB/m) | Amp/Cbl/Ftr/Pa d (dB) | Corrected Reading (dBUV/m) | Average Limit (dBUV/m) | Margin (dB) | Peak Limit (dBUV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 53.27                | Pk  | 32.3          | -20.9                 | 64.67                      | -                      | -           | 74                  | -9.33          | 301            | 206         | V        |
| 2      | * 2.48357       | 53.8                 | Pk  | 32.3          | -20.9                 | 65.2                       | -                      | -           | 74                  | -8.8           | 301            | 206         | V        |
| 3      | * 2.48351       | 38.52                | RMS | 32.3          | -20.9                 | 49.92                      | 54                     | -4.08       | -                   | -              | 301            | 206         | V        |
| 4      | * 2.48355       | 39.35                | RMS | 32.3          | -20.9                 | 50.75                      | 54                     | -3.25       | -                   | -              | 301            | 206         | V        |

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

Pk - Peak detector

RMS - RMS detection

**ANT 3****BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

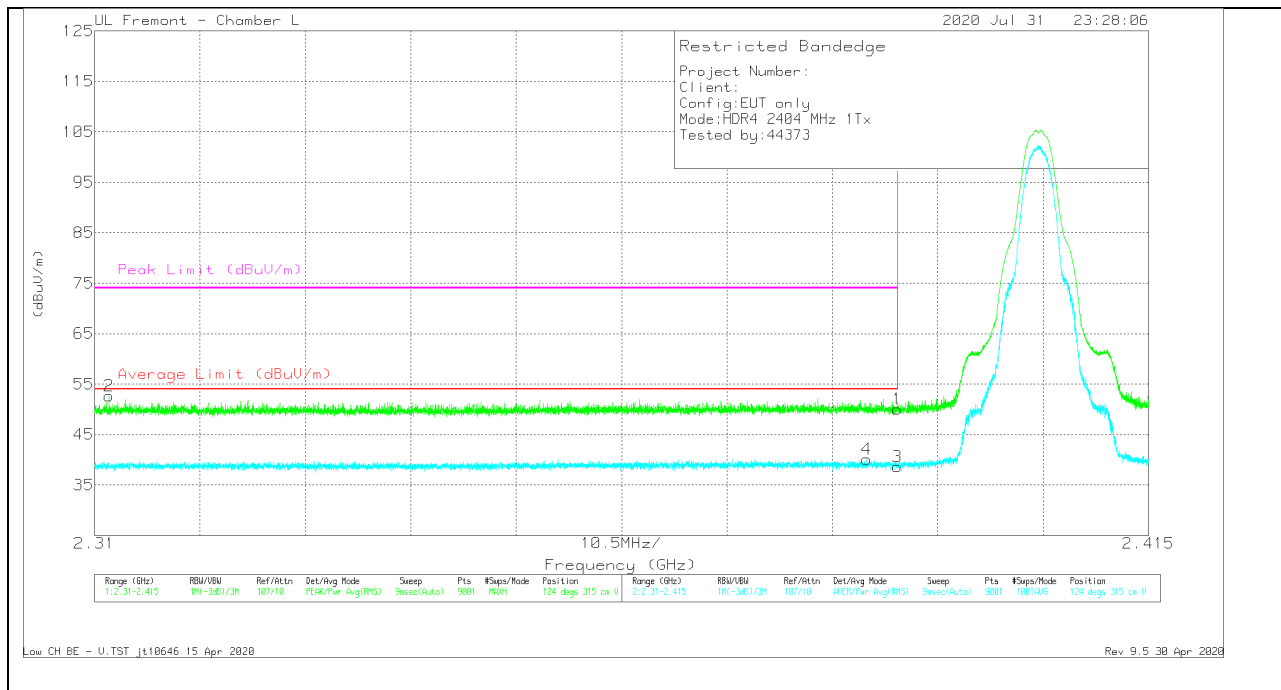
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/CbI/Filt/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.38999       | 38.53                | Pk  | 31.9          | -21.1                  | 49.33                      | -                      | -           | 74                  | -24.67         | 164            | 102         | H        |
| 2      | * 2.3127        | 41.81                | Pk  | 31.7          | -21.3                  | 52.21                      | -                      | -           | 74                  | -21.79         | 164            | 102         | H        |
| 3      | * 2.38999       | 28.29                | RMS | 31.9          | -21.1                  | 39.09                      | 54                     | -14.91      | -                   | -              | 164            | 102         | H        |
| 4      | * 2.38666       | 29.5                 | RMS | 31.8          | -21.1                  | 40.2                       | 54                     | -13.8       | -                   | -              | 164            | 102         | H        |

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

Pk - Peak detector

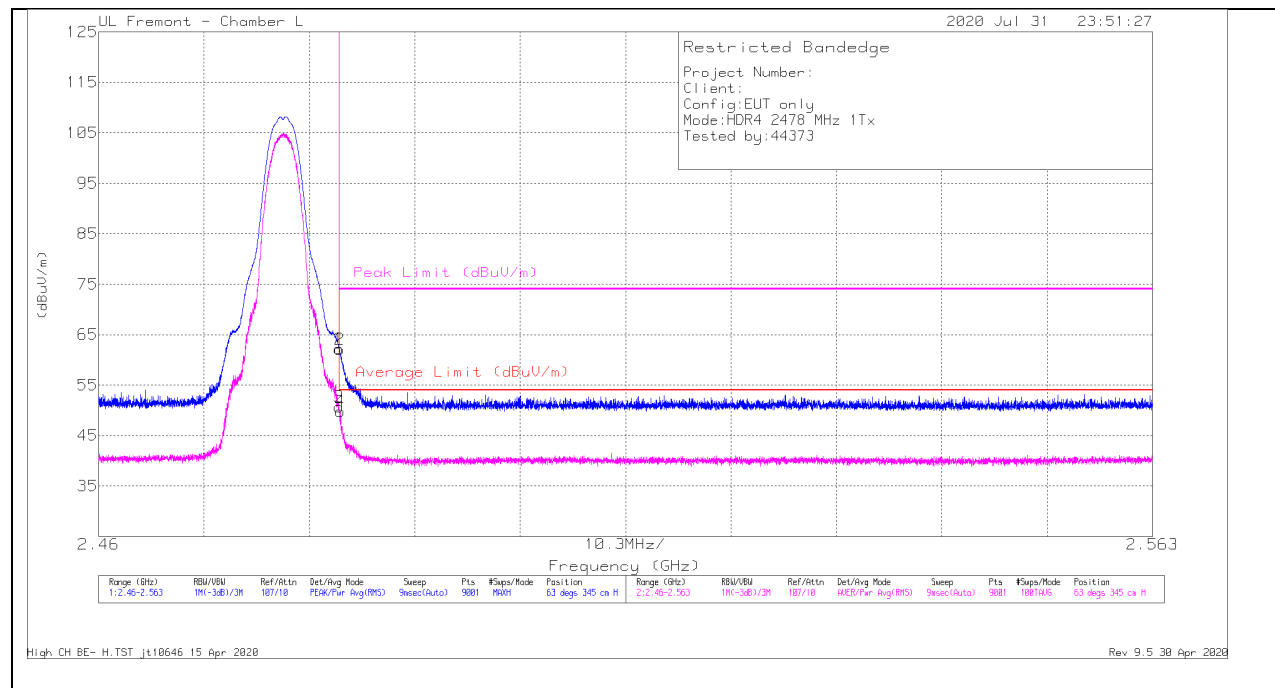
RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/Cbl/Fitr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.38999       | 39.24                | Pk  | 31.9          | -21.1                  | 50.04                      | -                      | -           | 74                  | -23.96         | 124            | 315         | V        |
| 2      | * 2.31142       | 42.4                 | Pk  | 31.7          | -21.4                  | 52.7                       | -                      | -           | 74                  | -21.3          | 124            | 315         | V        |
| 3      | * 2.38999       | 27.77                | RMS | 31.9          | -21.1                  | 38.57                      | 54                     | -15.43      | -                   | -              | 124            | 315         | V        |
| 4      | * 2.38694       | 29.44                | RMS | 31.8          | -21.1                  | 40.14                      | 54                     | -13.86      | -                   | -              | 124            | 315         | V        |

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

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

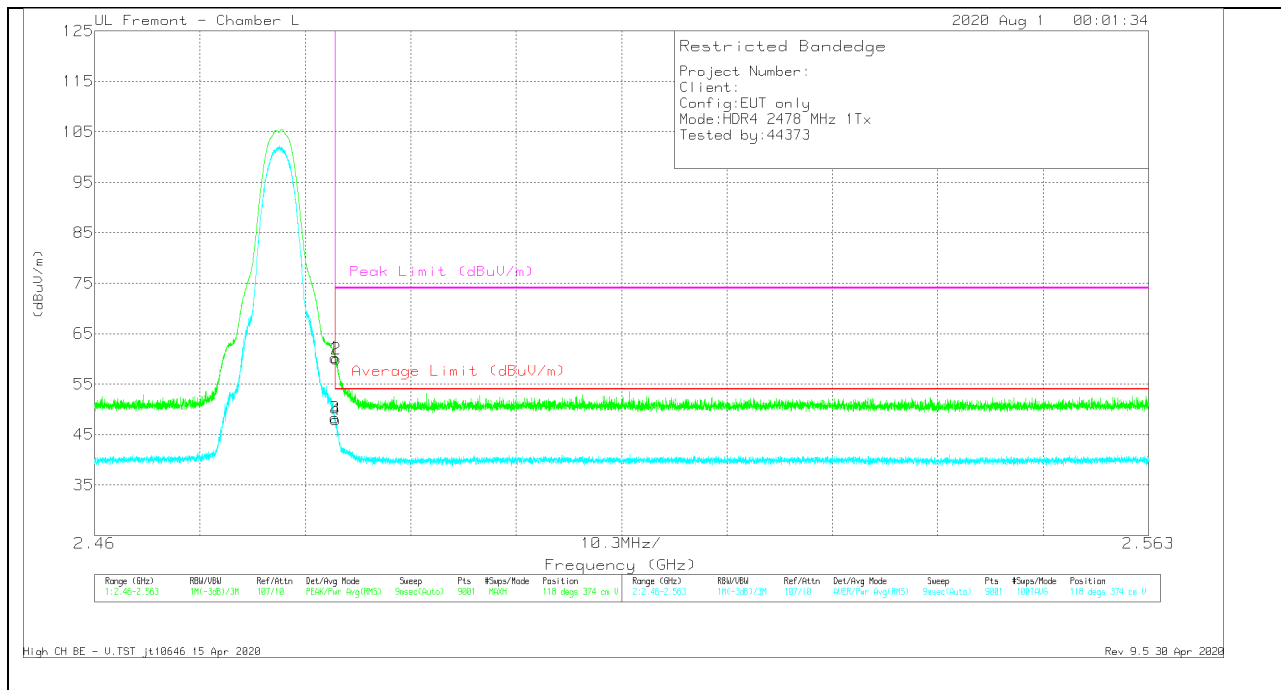
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/Cbl/Fitr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 50.81                | Pk  | 32.3          | -20.9                  | 62.21                      | -                      | -           | 74                  | -11.79         | 63             | 345         | H        |
| 2      | * 2.48354       | 50.64                | Pk  | 32.3          | -20.9                  | 62.04                      | -                      | -           | 74                  | -11.96         | 63             | 345         | H        |
| 3      | * 2.48351       | 39.26                | RMS | 32.3          | -20.9                  | 50.66                      | 54                     | -3.34       | -                   | -              | 63             | 345         | H        |
| 4      | * 2.48362       | 38.43                | RMS | 32.3          | -20.9                  | 49.83                      | 54                     | -4.17       | -                   | -              | 63             | 345         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBUV) | Det | AF 344 (dB/m) | Amp/Cbl/Fitr/Pa d (dB) | Corrected Reading (dBUV/m) | Average Limit (dBUV/m) | Margin (dB) | Peak Limit (dBUV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 48.77                | Pk  | 32.3          | -20.9                  | 60.17                      | -                      | -           | 74                  | -13.83         | 118            | 374         | V        |
| 2      | * 2.4836        | 48.62                | Pk  | 32.3          | -20.9                  | 60.02                      | -                      | -           | 74                  | -13.98         | 118            | 374         | V        |
| 3      | * 2.48351       | 36.9                 | RMS | 32.3          | -20.9                  | 48.3                       | 54                     | -5.7        | -                   | -              | 118            | 374         | V        |
| 4      | * 2.48353       | 36.55                | RMS | 32.3          | -20.9                  | 47.95                      | 54                     | -6.05       | -                   | -              | 118            | 374         | V        |

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

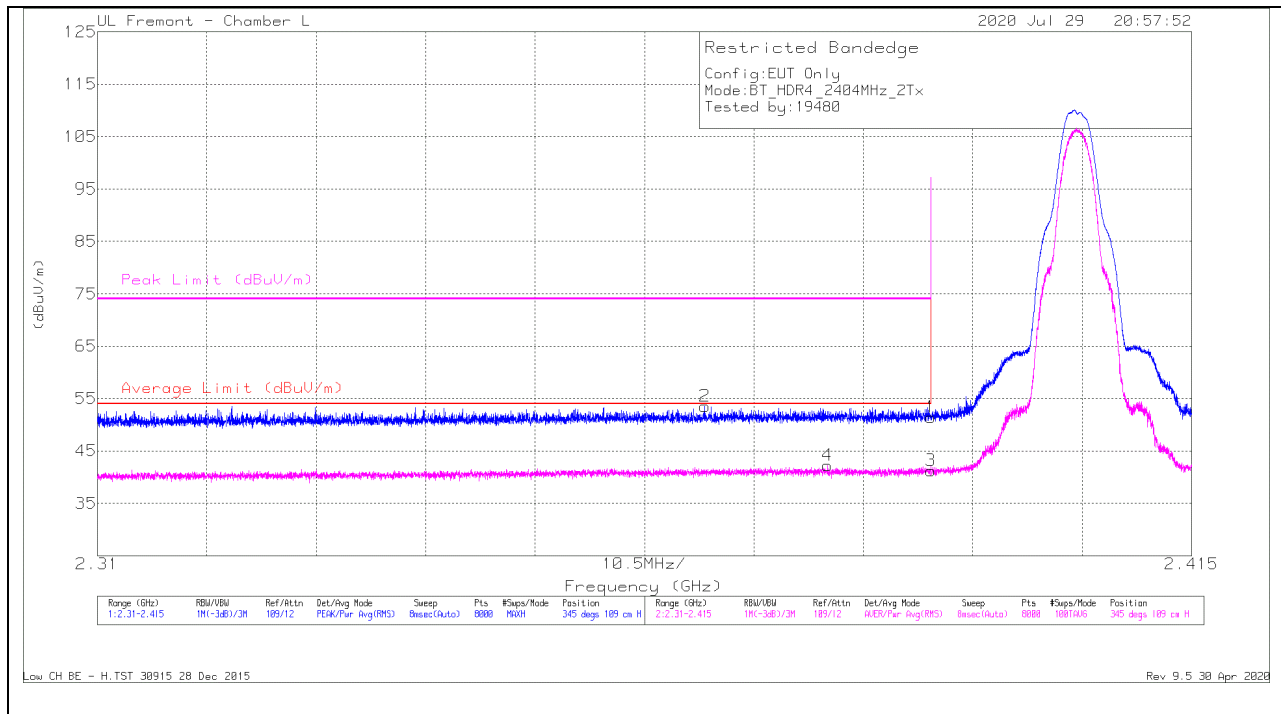
Pk - Peak detector

RMS - RMS detection

## 10.2.2. HIGH POWER HDR TXBF (HDR4)

### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT



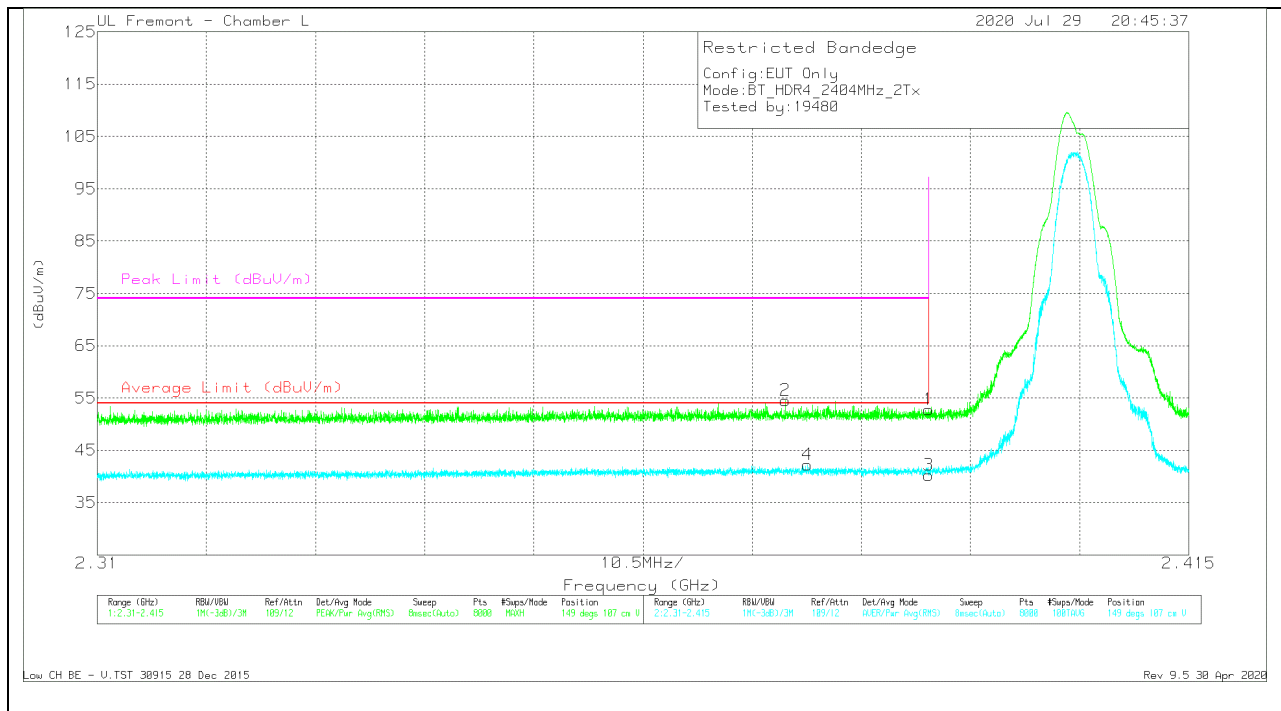
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/Cbl/Filt/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 32.58                | Pk  | 31.9          | -13.1                  | 51.38                      | -                      | -           | 74                  | -22.62         | 345            | 109         | H        |
| 2      | * 2.3683        | 34.84                | Pk  | 31.8          | -13.1                  | 53.54                      | -                      | -           | 74                  | -20.46         | 345            | 109         | H        |
| 3      | * 2.39          | 22.47                | RMS | 31.9          | -13.1                  | 41.27                      | 54                     | -12.73      | -                   | -              | 345            | 109         | H        |
| 4      | * 2.38009       | 23.42                | RMS | 31.8          | -13                    | 42.22                      | 54                     | -11.78      | -                   | -              | 345            | 109         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT

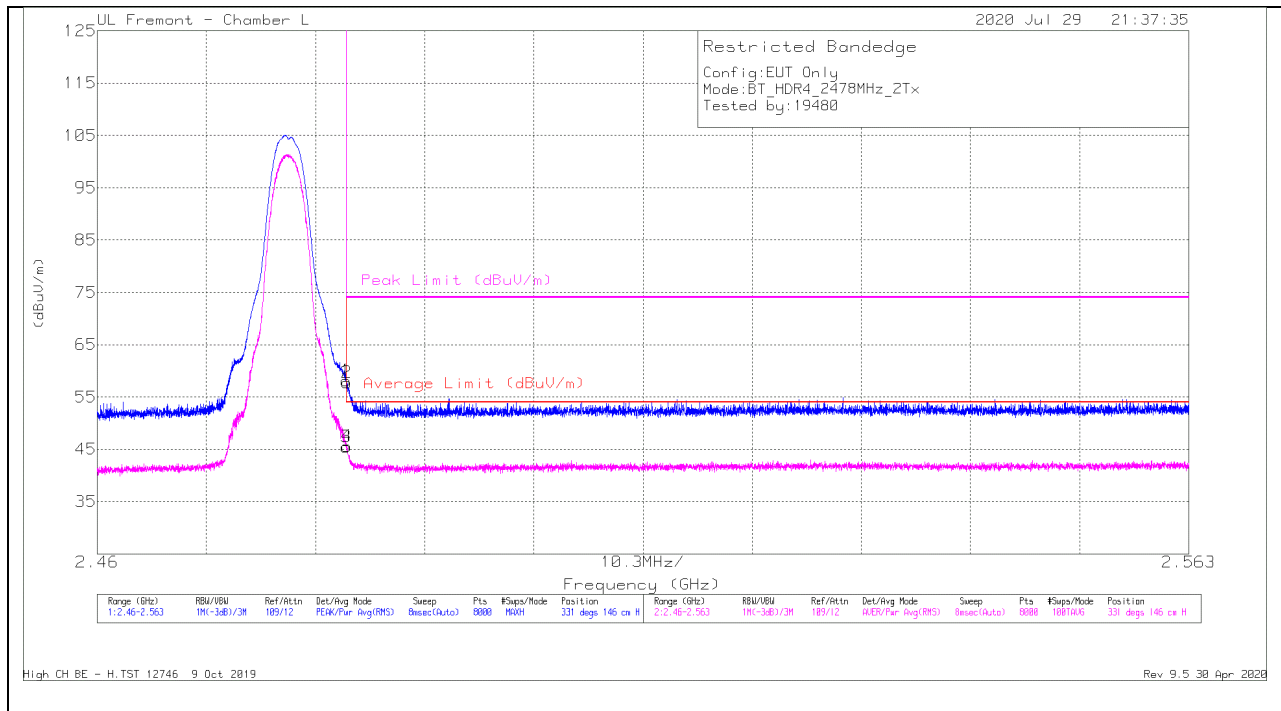


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 33.94                | Pk  | 31.9          | -13.1                 | 52.74                      | -                      | -           | 74                  | -21.26         | 149            | 107         | V        |
| 2      | * 2.3762        | 35.74                | Pk  | 31.8          | -13                   | 54.54                      | -                      | -           | 74                  | -19.46         | 149            | 107         | V        |
| 3      | * 2.39          | 21.45                | RMS | 31.9          | -13.1                 | 40.25                      | 54                     | -13.75      | -                   | -              | 149            | 107         | V        |
| 4      | * 2.37831       | 23.4                 | RMS | 31.8          | -13                   | 42.2                       | 54                     | -11.8       | -                   | -              | 149            | 107         | V        |

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

Pk - Peak detector

RMS - RMS detection

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

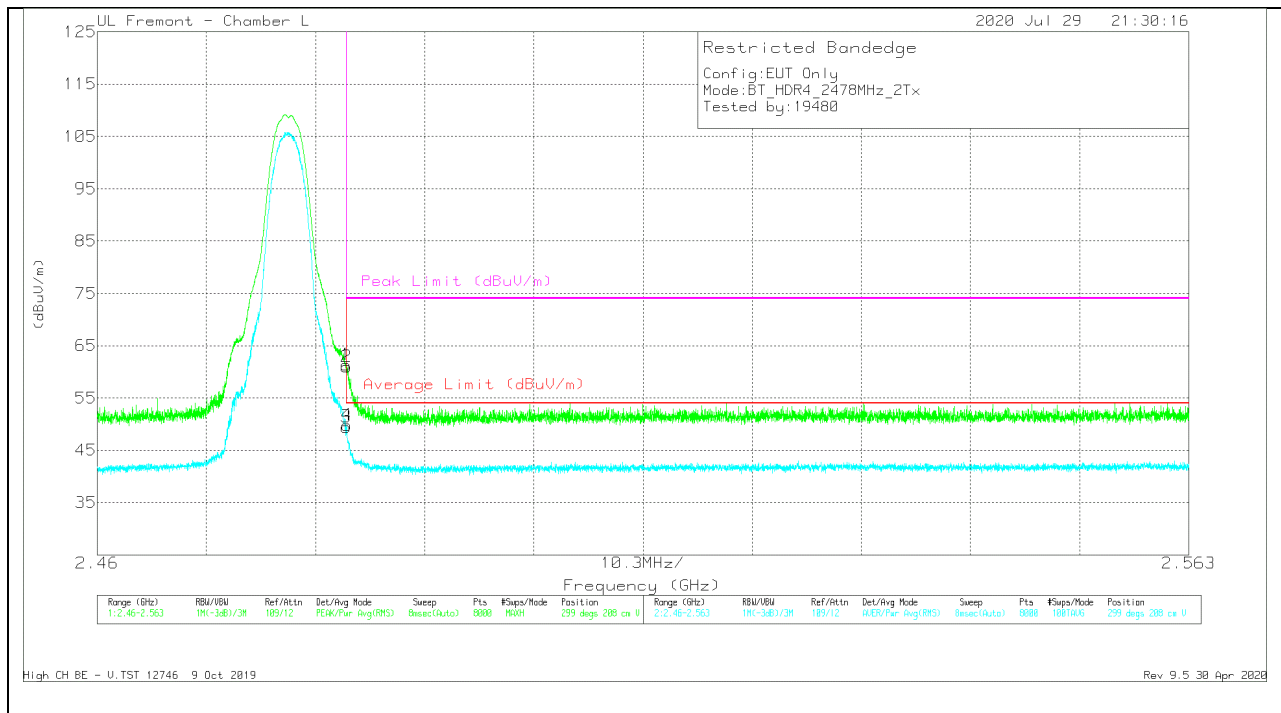
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dBm) | Amp/Cbl/Filt/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|--------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.4835        | 38.69                | Pk  | 32.3         | -12.9                  | 58.09                      | -                      | -           | 74                  | -15.91         | 331            | 146         | H        |
| 2      | * 2.48355       | 38.39                | Pk  | 32.3         | -12.9                  | 57.79                      | -                      | -           | 74                  | -16.21         | 331            | 146         | H        |
| 3      | * 2.4835        | 26.04                | RMS | 32.3         | -12.9                  | 45.44                      | 54                     | -8.56       | -                   | -              | 331            | 146         | H        |
| 4      | * 2.48354       | 26.13                | RMS | 32.3         | -12.9                  | 45.53                      | 54                     | -8.47       | -                   | -              | 331            | 146         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (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      | * 2.4835        | 41.91                | Pk  | 32.3          | -12.9                 | 61.31                      | -                      | -           | 74                  | -12.69         | 299            | 208         | V        |
| 2      | * 2.48353       | 41.61                | Pk  | 32.3          | -12.9                 | 61.01                      | -                      | -           | 74                  | -12.99         | 299            | 208         | V        |
| 3      | * 2.4835        | 30.08                | RMS | 32.3          | -12.9                 | 49.48                      | 54                     | -4.52       | -                   | -              | 299            | 208         | V        |
| 4      | * 2.48354       | 30.35                | RMS | 32.3          | -12.9                 | 49.75                      | 54                     | -4.25       | -                   | -              | 299            | 208         | V        |

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

Pk - Peak detector

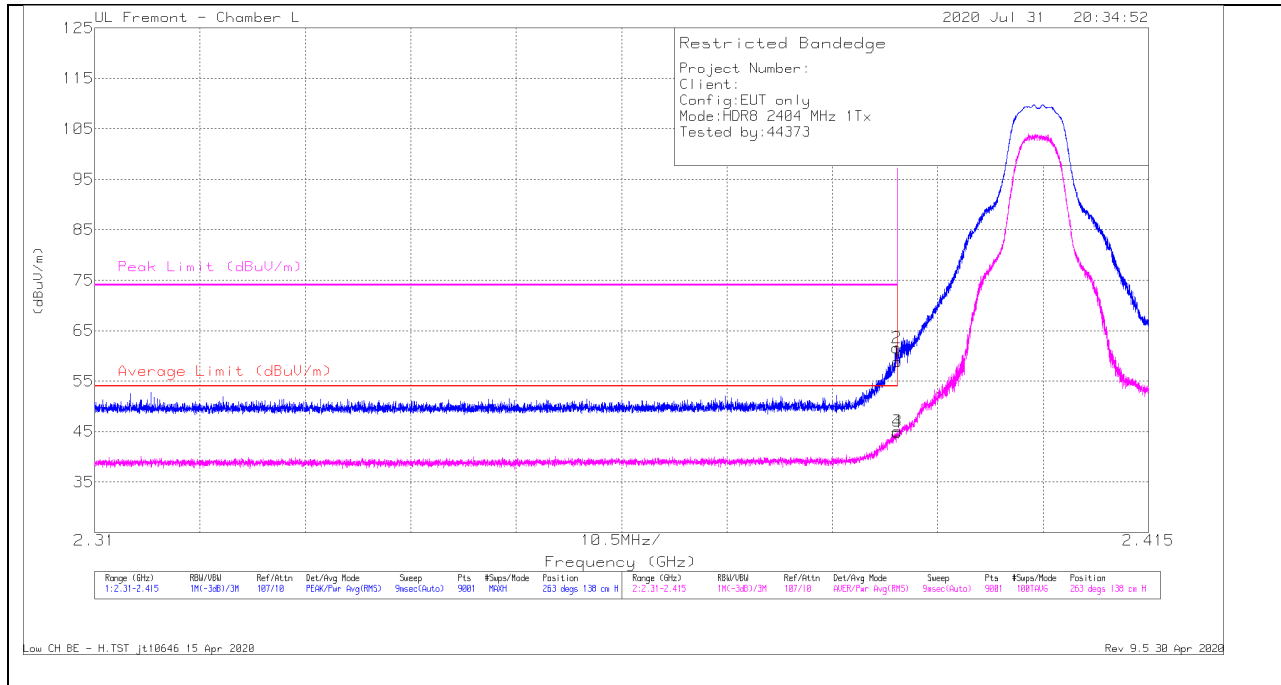
RMS - RMS detection

## 10.2.3. HIGH POWER HDR (HDR8)

### ANT 4

### BANDEGE (LOW CHANNEL)

### HORIZONTAL RESULT



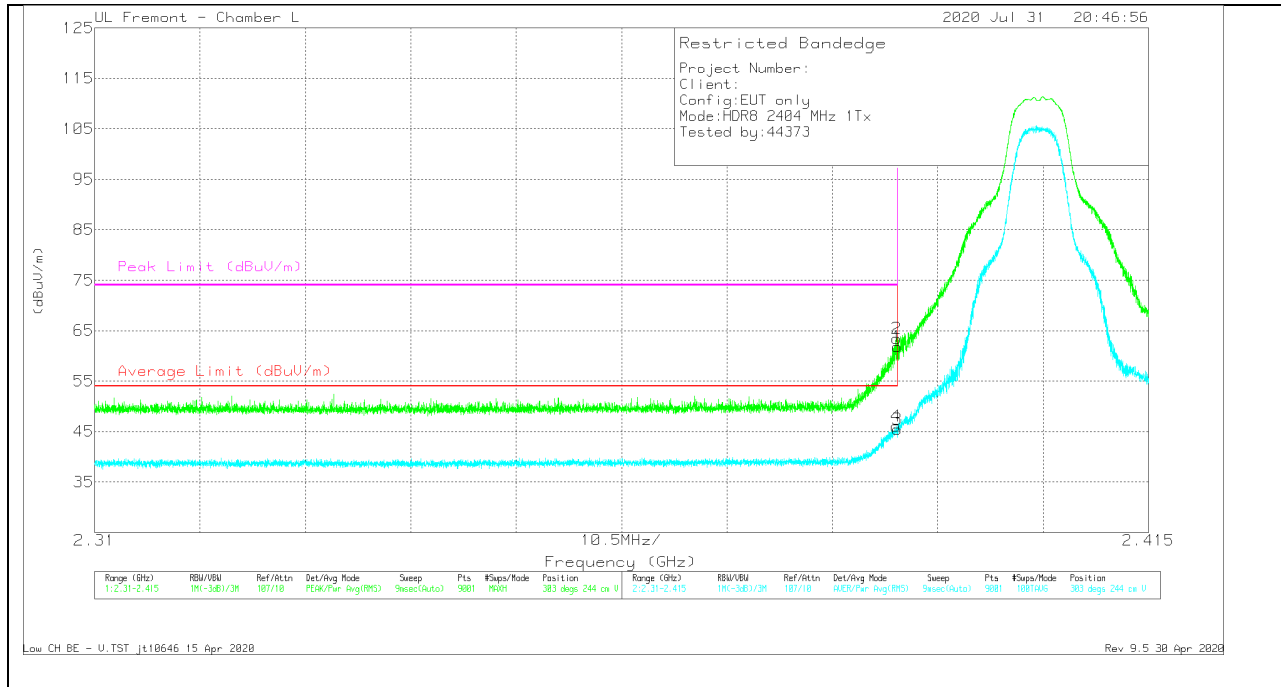
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/Cbl/Filt/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.38999       | 48.02                | Pk  | 31.9          | -21.1                  | 58.82                      | -                      | -           | 74                  | -15.18         | 263            | 138         | H        |
| 2      | * 2.38993       | 50.81                | Pk  | 31.9          | -21.1                  | 61.61                      | -                      | -           | 74                  | -12.39         | 263            | 138         | H        |
| 3      | * 2.38999       | 34.31                | RMS | 31.9          | -21.1                  | 45.11                      | 54                     | -8.89       | -                   | -              | 263            | 138         | H        |
| 4      | * 2.38998       | 34.09                | RMS | 31.9          | -21.1                  | 44.89                      | 54                     | -9.11       | -                   | -              | 263            | 138         | H        |

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

Pk - Peak detector

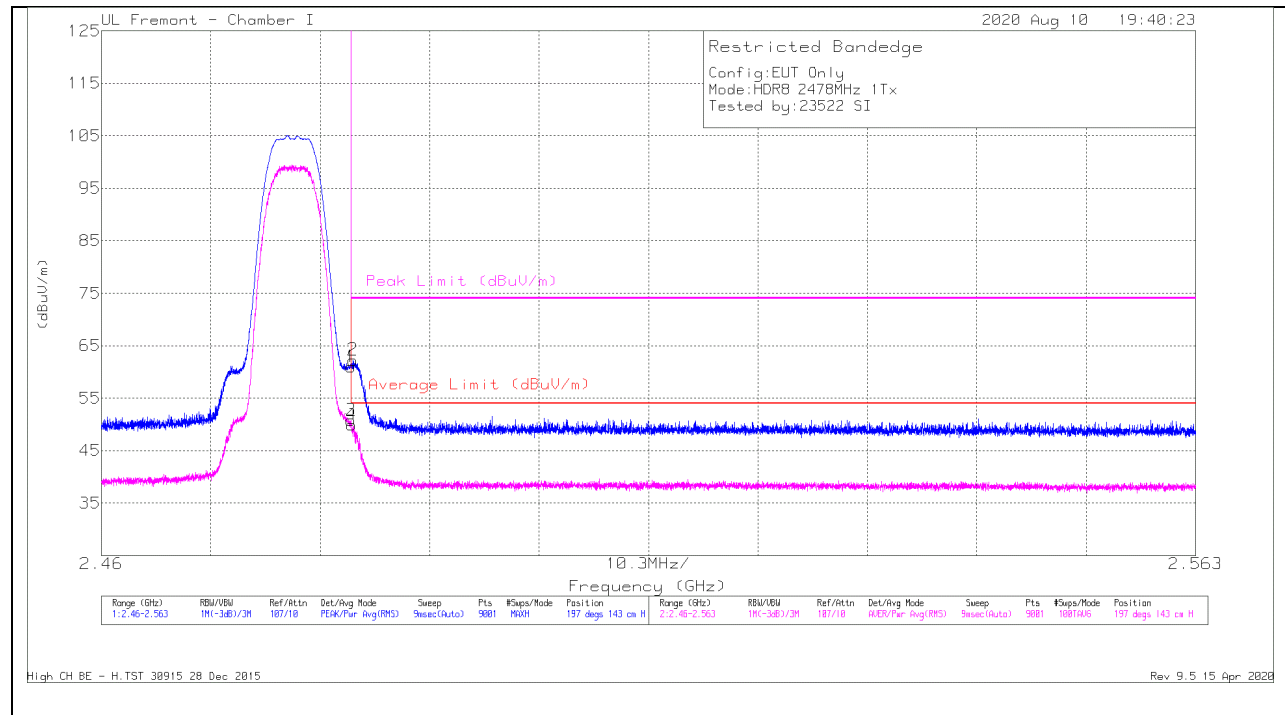
RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/Cbl/Fitr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.38999       | 51.02                | Pk  | 31.9          | -21.1                  | 61.82                      | -                      | -           | 74                  | -12.18         | 303            | 244         | V        |
| 2      | * 2.38991       | 52.7                 | Pk  | 31.9          | -21.1                  | 63.5                       | -                      | -           | 74                  | -10.5          | 303            | 244         | V        |
| 3      | * 2.38999       | 34.61                | RMS | 31.9          | -21.1                  | 45.41                      | 54                     | -8.59       | -                   | -              | 303            | 244         | V        |
| 4      | * 2.38987       | 35.31                | RMS | 31.9          | -21.1                  | 46.11                      | 54                     | -7.89       | -                   | -              | 303            | 244         | V        |

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

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

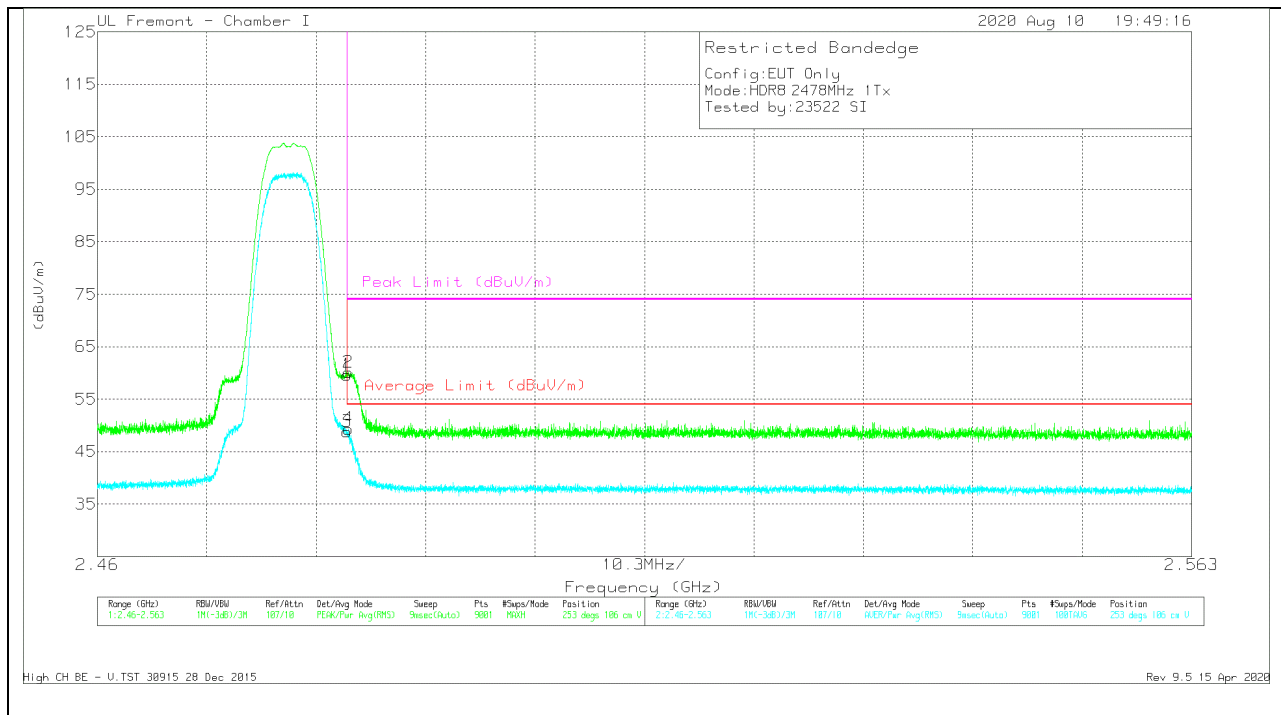
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T346 (dB/m) | Amp/CbI/Fitr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 46.29                | Pk  | 32.4           | -17.7                  | 60.99                      | -                      | -           | 74                  | -13.01         | 197            | 143         | H        |
| 2      | * 2.4837        | 47.57                | Pk  | 32.4           | -17.7                  | 62.27                      | -                      | -           | 74                  | -11.73         | 197            | 143         | H        |
| 3      | * 2.48351       | 36.07                | RMS | 32.4           | -17.7                  | 50.77                      | 54                     | -3.23       | -                   | -              | 197            | 143         | H        |
| 4      | * 2.48355       | 35.27                | RMS | 32.4           | -17.7                  | 49.97                      | 54                     | -4.03       | -                   | -              | 197            | 143         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT

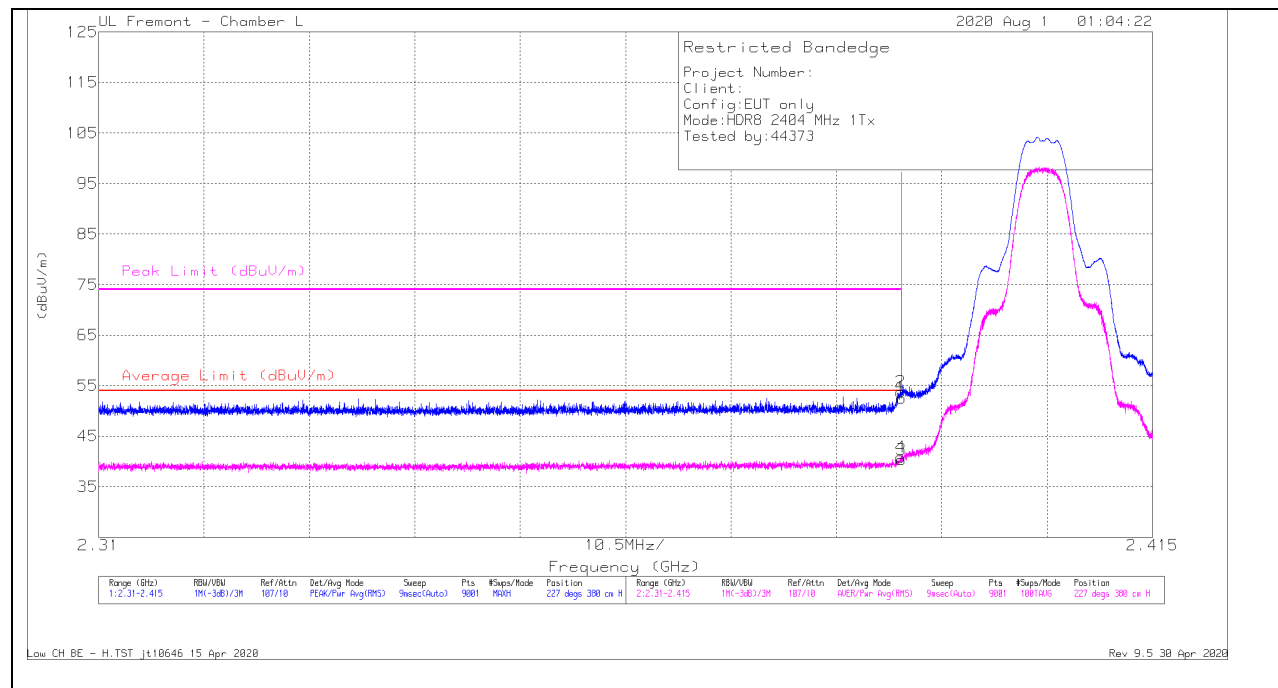


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T346 (dB/m) | Amp/Cbl/Ftr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 44.88                | Pk  | 32.4           | -17.7                 | 59.58                      | -                      | -           | 74                  | -14.42         | 253            | 106         | V        |
| 2      | * 2.48363       | 45.43                | Pk  | 32.4           | -17.7                 | 60.13                      | -                      | -           | 74                  | -13.87         | 253            | 106         | V        |
| 3      | * 2.48351       | 34.14                | RMS | 32.4           | -17.7                 | 48.84                      | 54                     | -5.16       | -                   | -              | 253            | 106         | V        |
| 4      | * 2.48362       | 34.66                | RMS | 32.4           | -17.7                 | 49.36                      | 54                     | -4.64       | -                   | -              | 253            | 106         | V        |

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

Pk - Peak detector

RMS - RMS detection

**ANT 3****BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

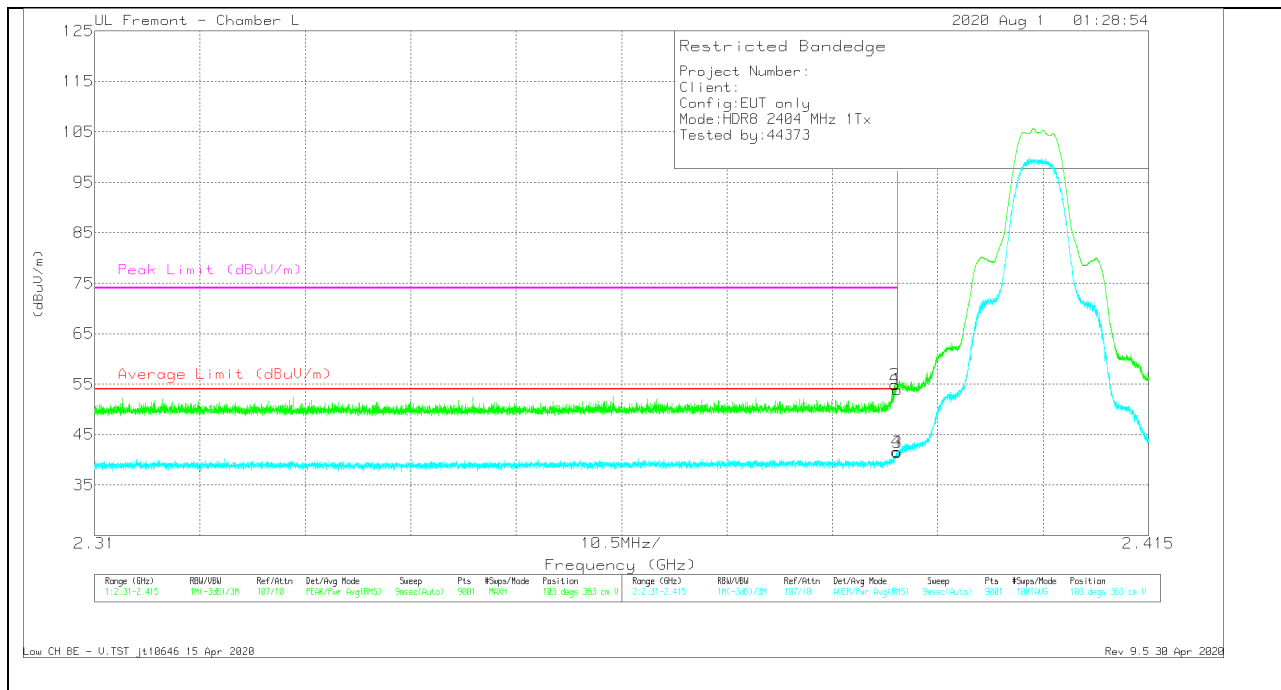
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/Cbll/Filtr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.38999       | 41.71                | Pk  | 31.9          | -21.1                    | 52.51                      | -                      | -           | 74                  | -21.49         | 227            | 380         | H        |
| 2      | * 2.38992       | 42.93                | Pk  | 31.9          | -21.1                    | 53.73                      | -                      | -           | 74                  | -20.27         | 227            | 380         | H        |
| 3      | * 2.38999       | 29.6                 | RMS | 31.9          | -21.1                    | 40.4                       | 54                     | -13.6       | -                   | -              | 227            | 380         | H        |
| 4      | * 2.38992       | 30                   | RMS | 31.9          | -21.1                    | 40.8                       | 54                     | -13.2       | -                   | -              | 227            | 380         | H        |

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

Pk - Peak detector

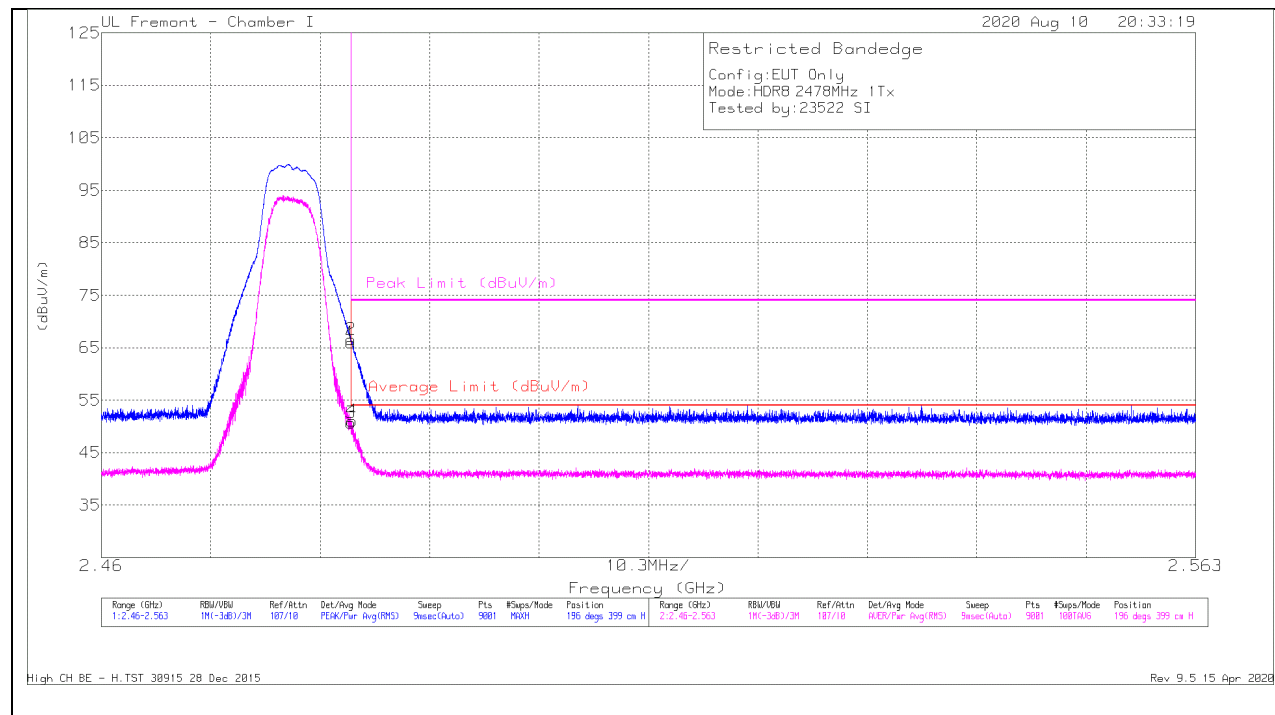
RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/Cbl/Fitr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.38999       | 43.11                | Pk  | 31.9          | -21.1                  | 53.91                      | -                      | -           | 74                  | -20.09         | 103            | 363         | V        |
| 2      | * 2.38971       | 44.1                 | Pk  | 31.9          | -21.1                  | 54.9                       | -                      | -           | 74                  | -19.1          | 103            | 363         | V        |
| 3      | * 2.38999       | 30.71                | RMS | 31.9          | -21.1                  | 41.51                      | 54                     | -12.49      | -                   | -              | 103            | 363         | V        |
| 4      | * 2.38994       | 30.83                | RMS | 31.9          | -21.1                  | 41.63                      | 54                     | -12.37      | -                   | -              | 103            | 363         | V        |

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

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

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T346 (dB/m) | Amp/CbI/Fitr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 51.24                | Pk  | 32.4           | -17.7                  | 65.94                      | -                      | -           | 74                  | -8.06          | 196            | 399         | H        |
| 2      | * 2.48352       | 51.88                | Pk  | 32.4           | -17.7                  | 66.58                      | -                      | -           | 74                  | -7.42          | 196            | 399         | H        |
| 3      | * 2.48351       | 36.01                | RMS | 32.4           | -17.7                  | 50.71                      | 54                     | -3.29       | -                   | -              | 196            | 399         | H        |
| 4      | * 2.48359       | 36.38                | RMS | 32.4           | -17.7                  | 51.08                      | 54                     | -2.92       | -                   | -              | 196            | 399         | H        |

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

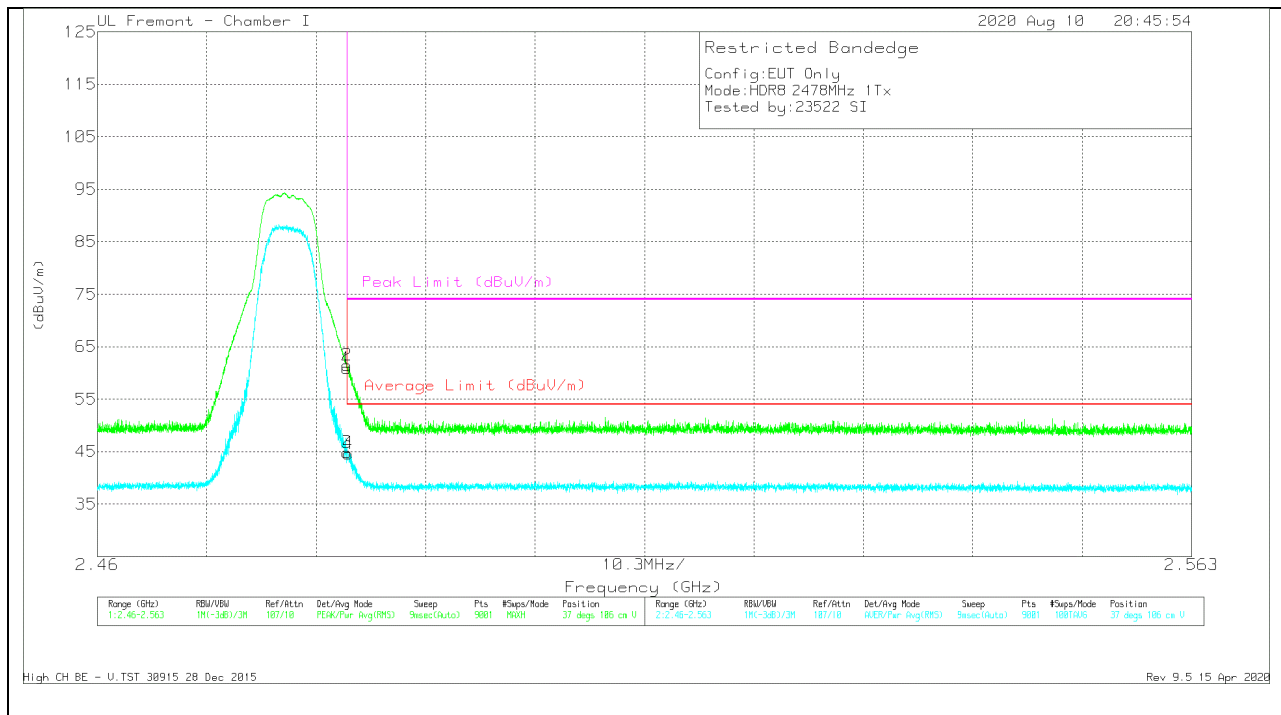
Pk - Peak detector

RMS - RMS detection

High CH BE- H.TST jt10646 15 Apr 2020

Rev 9.5 30 Apr 2020

## VERTICAL RESULT



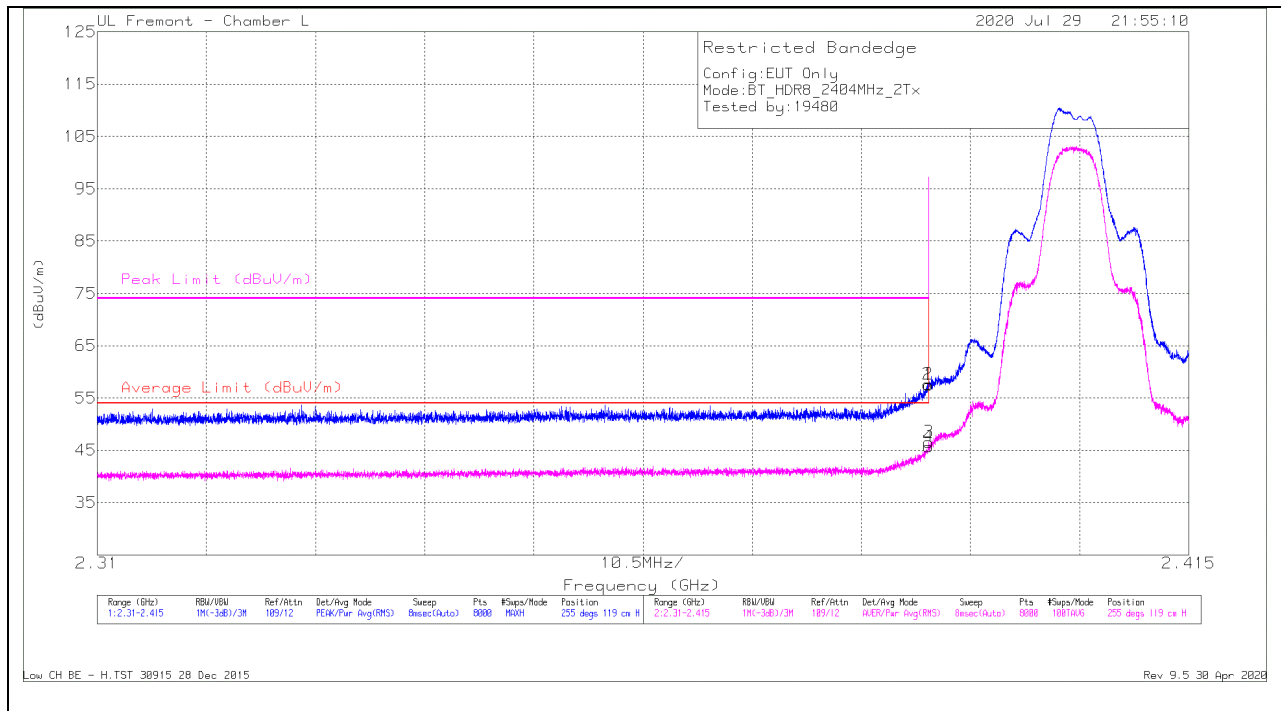
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T346 (dB/m) | Amp/CbL/Ftr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 46.11                | Pk  | 32.4           | -17.7                 | 60.81                      | -                      | -           | 74                  | -13.19         | 37             | 106         | V        |
| 2      | * 2.48352       | 46.77                | Pk  | 32.4           | -17.7                 | 61.47                      | -                      | -           | 74                  | -12.53         | 37             | 106         | V        |
| 3      | * 2.48351       | 30.14                | RMS | 32.4           | -17.7                 | 44.84                      | 54                     | -9.16       | -                   | -              | 37             | 106         | V        |
| 4      | * 2.48362       | 29.94                | RMS | 32.4           | -17.7                 | 44.64                      | 54                     | -9.36       | -                   | -              | 37             | 106         | V        |

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

## 10.2.4. HIGH POWER HDR TXBF (HDR8)

### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT



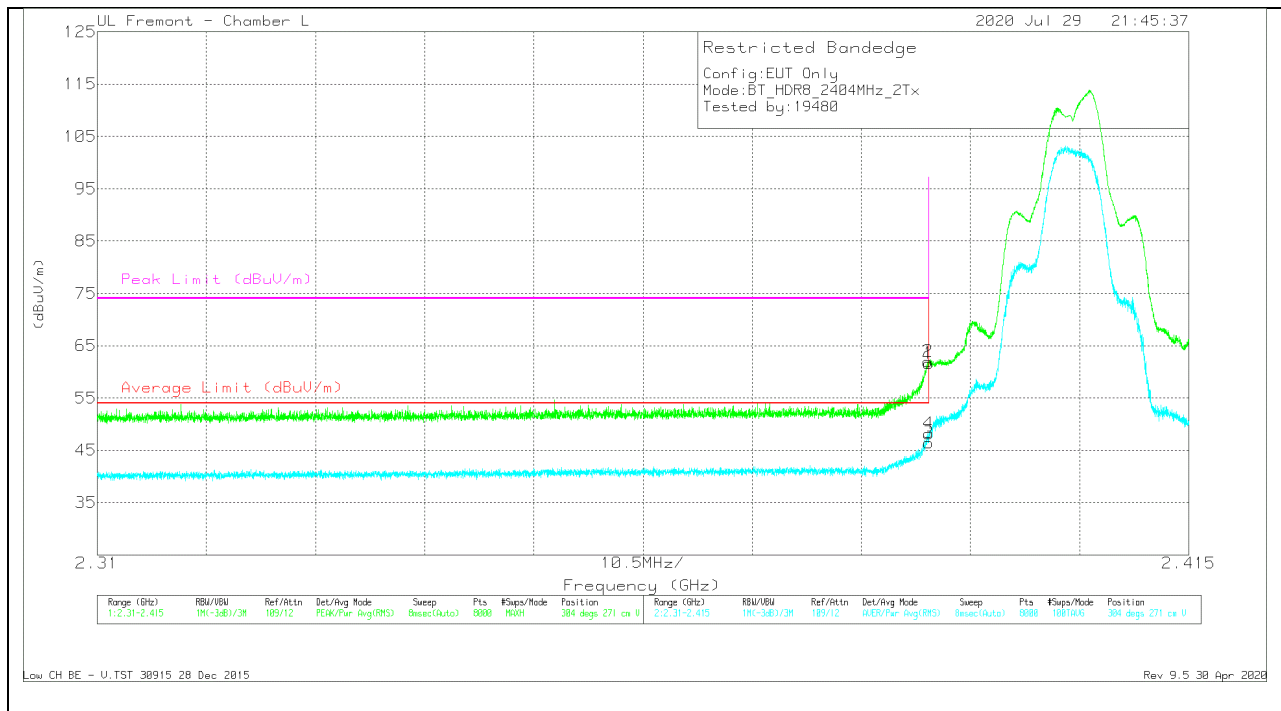
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/Cbl/Filt/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 38.73                | Pk  | 31.9          | -13.1                  | 57.53                      | -                      | -           | 74                  | -16.47         | 255            | 119         | H        |
| 2      | * 2.3899        | 38.8                 | Pk  | 31.9          | -13.1                  | 57.6                       | -                      | -           | 74                  | -16.4          | 255            | 119         | H        |
| 3      | * 2.39          | 27.72                | RMS | 31.9          | -13.1                  | 46.52                      | 54                     | -7.48       | -                   | -              | 255            | 119         | H        |
| 4      | * 2.38998       | 26.95                | RMS | 31.9          | -13.1                  | 45.75                      | 54                     | -8.25       | -                   | -              | 255            | 119         | H        |

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

Pk - Peak detector

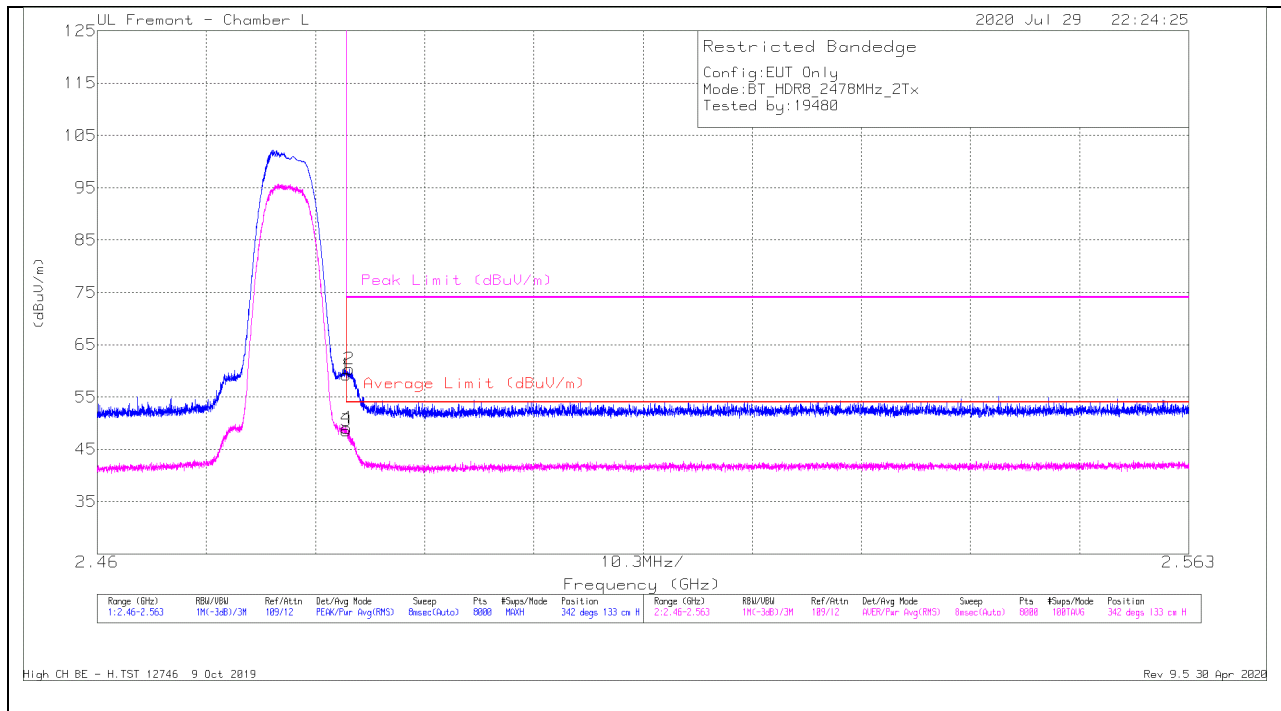
RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/Cbl/Filt/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 42.78                | Pk  | 31.9          | -13.1                  | 61.58                      | -                      | -           | 74                  | -12.42         | 304            | 271         | V        |
| 2      | * 2.38989       | 43.2                 | Pk  | 31.9          | -13.1                  | 62                         | -                      | -           | 74                  | -12            | 304            | 271         | V        |
| 3      | * 2.39          | 27.69                | RMS | 31.9          | -13.1                  | 46.49                      | 54                     | -7.51       | -                   | -              | 304            | 271         | V        |
| 4      | * 2.38996       | 29.37                | RMS | 31.9          | -13.1                  | 48.17                      | 54                     | -5.83       | -                   | -              | 304            | 271         | V        |

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

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

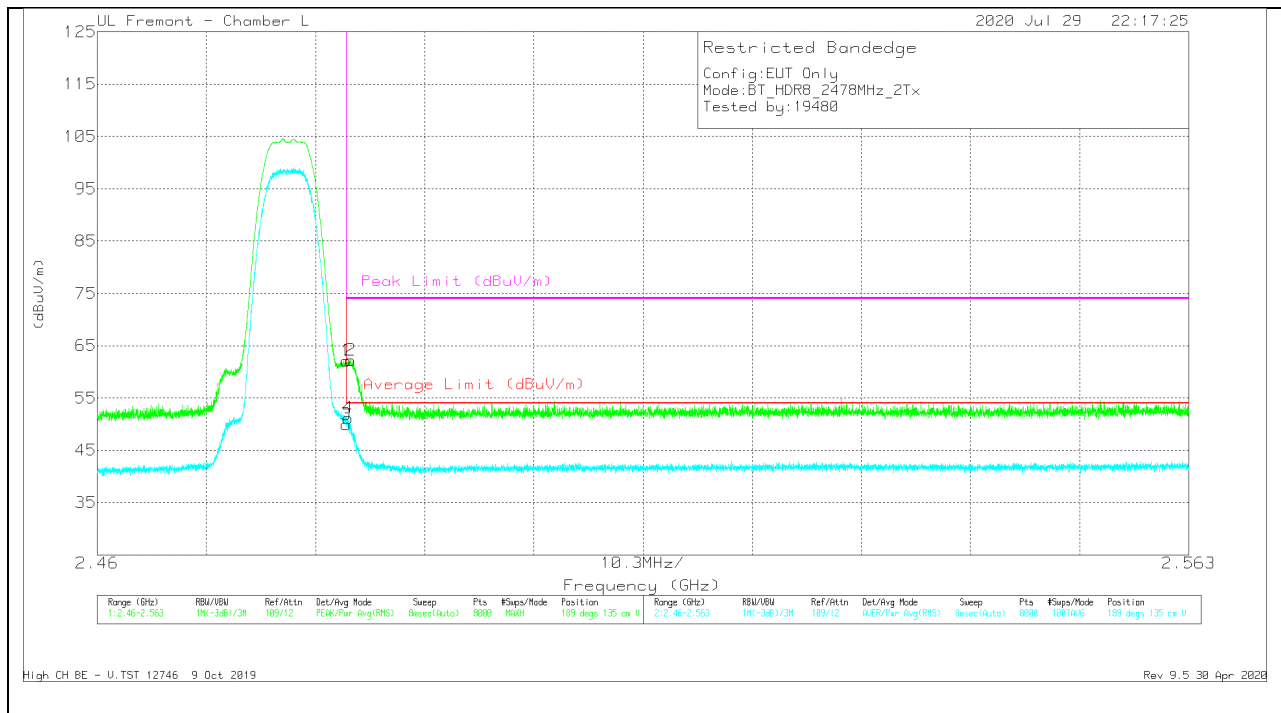
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dBm) | Amp/CbI/Filt/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|--------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.4835        | 39.81                | Pk  | 32.3         | -12.9                  | 59.21                      | -                      | -           | 74                  | -14.79         | 342            | 133         | H        |
| 2      | * 2.48377       | 40.9                 | Pk  | 32.3         | -12.9                  | 60.3                       | -                      | -           | 74                  | -13.7          | 342            | 133         | H        |
| 3      | * 2.4835        | 29.14                | RMS | 32.3         | -12.9                  | 48.54                      | 54                     | -5.46       | -                   | -              | 342            | 133         | H        |
| 4      | * 2.48353       | 29.6                 | RMS | 32.3         | -12.9                  | 49                         | 54                     | -5          | -                   | -              | 342            | 133         | H        |

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

Pk - Peak detector

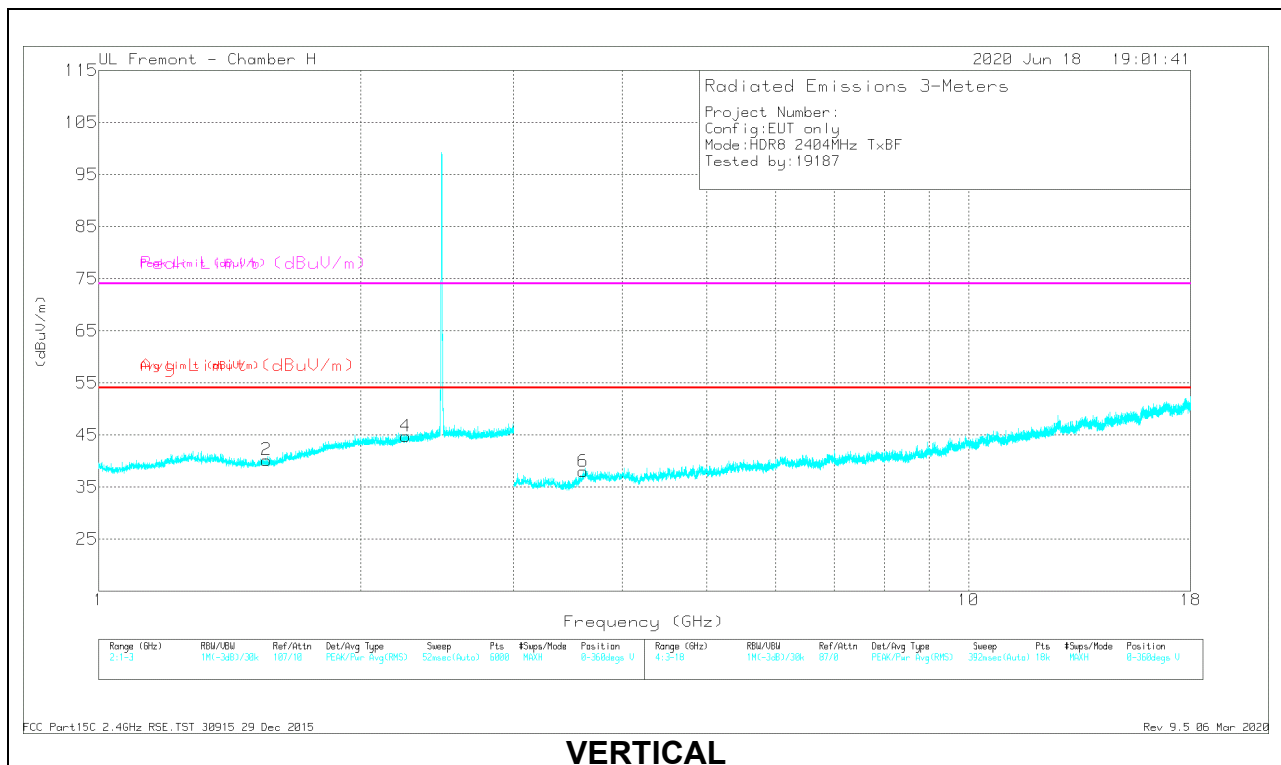
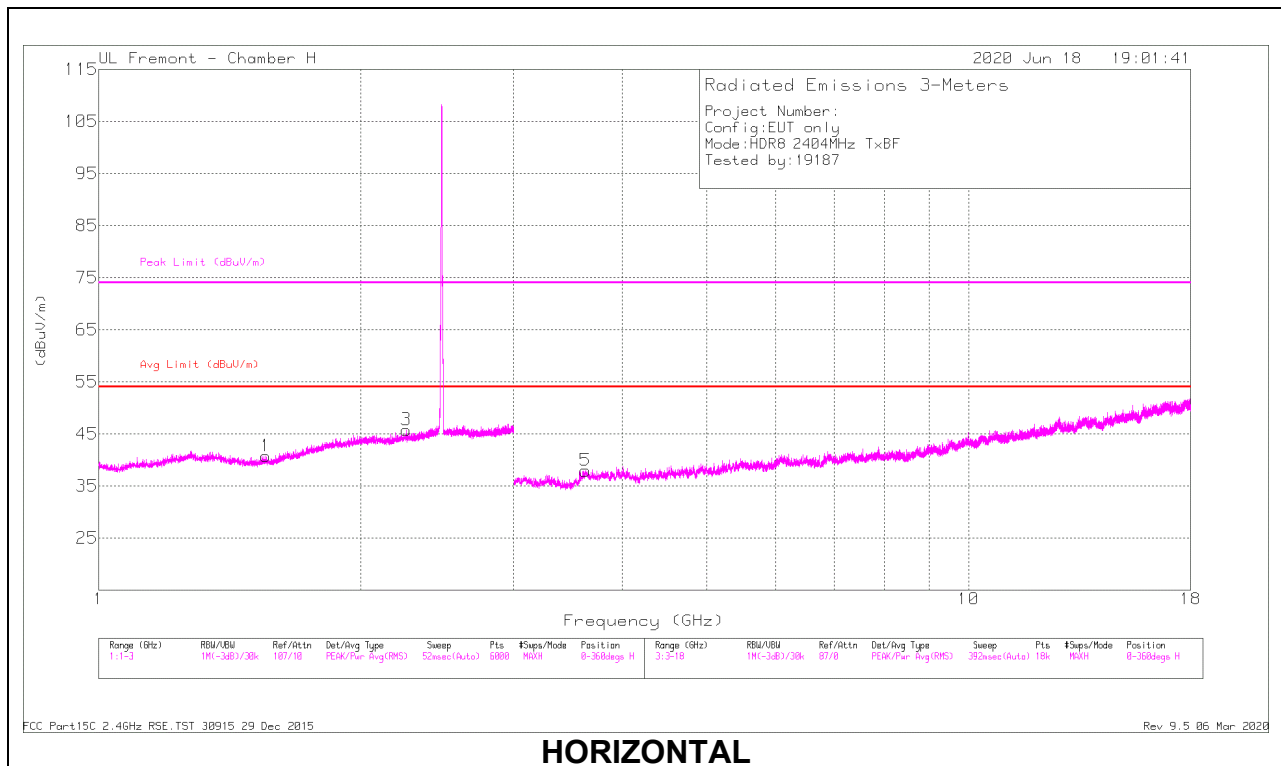
RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/Cbl/Filt/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.4835        | 42.74                | Pk  | 32.3          | -12.9                  | 62.14                      | -                      | -           | 74                  | -11.86         | 189            | 135         | V        |
| 2      | * 2.4839        | 42.86                | Pk  | 32.3          | -12.9                  | 62.26                      | -                      | -           | 74                  | -11.74         | 189            | 135         | V        |
| 3      | * 2.4835        | 30.55                | RMS | 32.3          | -12.9                  | 49.95                      | 54                     | -4.05       | -                   | -              | 189            | 135         | V        |
| 4      | * 2.48369       | 31.73                | RMS | 32.3          | -12.9                  | 51.13                      | 54                     | -2.87       | -                   | -              | 189            | 135         | V        |

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

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

## RADIATED EMISSIONS

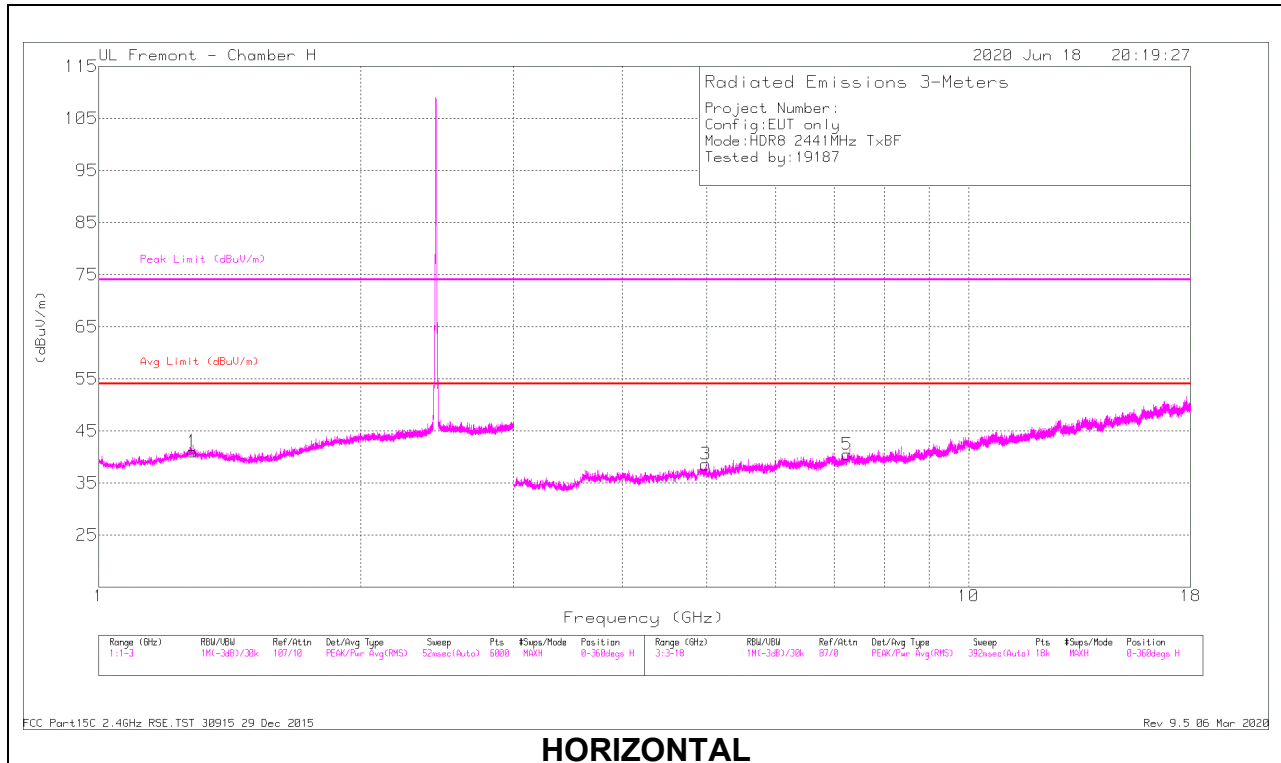
| Markers | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T863 (dB/m) | Amp/Cbl/Fitr/P ad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1       | * 1.55758       | 44.51                | PK2  | 28             | -25                    | 47.51                      | -                  | -           | 74                  | -26.49         | 6              | 111         | H        |
|         | * 1.55721       | 32.71                | MAv1 | 28             | -25                    | 35.71                      | 54                 | -18.29      | -                   | -              | 6              | 111         | H        |
| 3       | * 2.256         | 44.12                | PK2  | 31.9           | -24.1                  | 51.92                      | -                  | -           | 74                  | -22.08         | 30             | 273         | H        |
|         | * 2.25807       | 32.32                | MAv1 | 31.9           | -24.1                  | 40.12                      | 54                 | -13.88      | -                   | -              | 30             | 273         | H        |
| 2       | * 1.55703       | 45.32                | PK2  | 28             | -25                    | 48.32                      | -                  | -           | 74                  | -25.68         | 336            | 228         | V        |
|         | * 1.56035       | 32.72                | MAv1 | 27.9           | -25                    | 35.62                      | 54                 | -18.38      | -                   | -              | 336            | 228         | V        |
| 4       | * 2.2547        | 44.59                | PK2  | 31.9           | -24.1                  | 52.39                      | -                  | -           | 74                  | -21.61         | 36             | 185         | V        |
|         | * 2.25487       | 32.33                | MAv1 | 31.9           | -24.1                  | 40.13                      | 54                 | -13.87      | -                   | -              | 36             | 185         | V        |
| 5       | * 3.6252        | 41.66                | PK2  | 33.1           | -30.5                  | 44.26                      | -                  | -           | 74                  | -29.74         | 0              | 300         | H        |
|         | * 3.62837       | 30.25                | MAv1 | 33.1           | -30.5                  | 32.85                      | 54                 | -21.15      | -                   | -              | 0              | 300         | H        |
| 6       | * 3.60438       | 42.17                | PK2  | 33             | -30.9                  | 44.27                      | -                  | -           | 74                  | -29.73         | 32             | 164         | V        |
|         | * 3.60284       | 30.34                | MAv1 | 33             | -30.9                  | 32.44                      | 54                 | -21.56      | -                   | -              | 32             | 164         | V        |

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

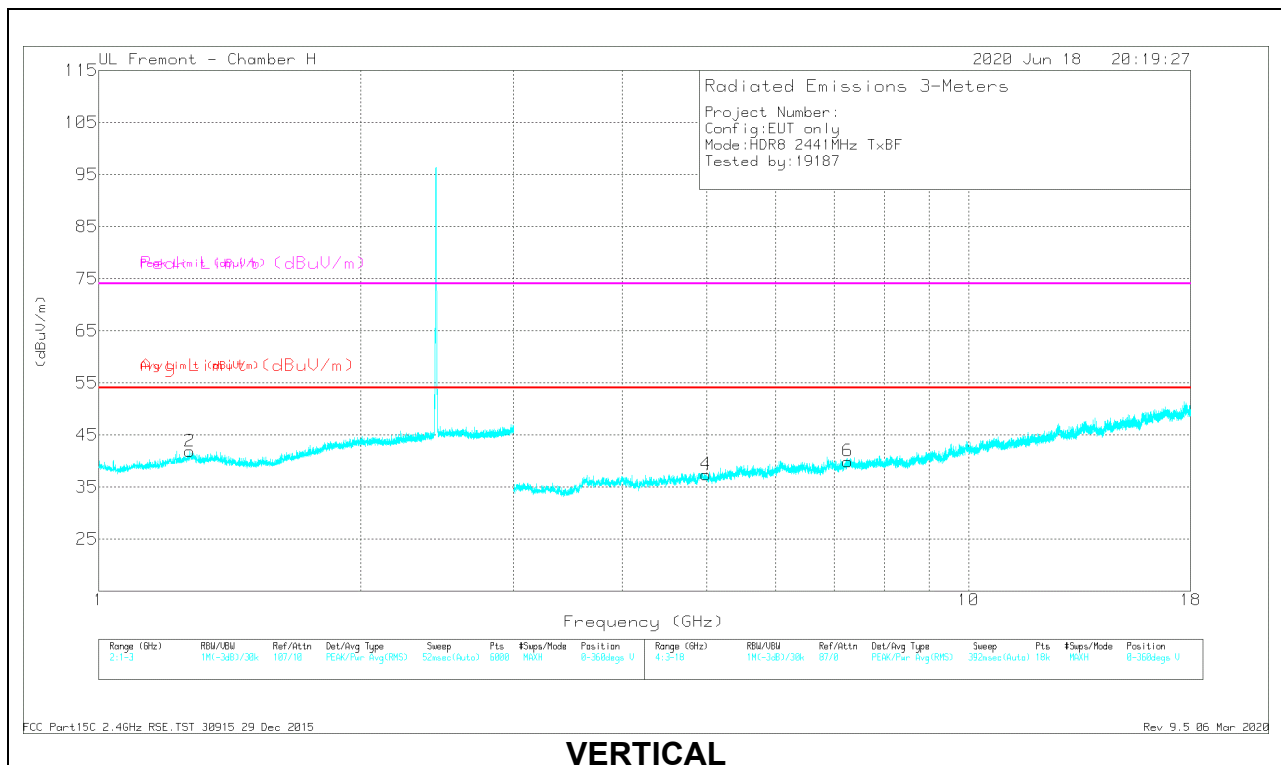
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

## MID CHANNEL RESULTS



## HORIZONTAL



## VERTICAL

## RADIATED EMISSIONS

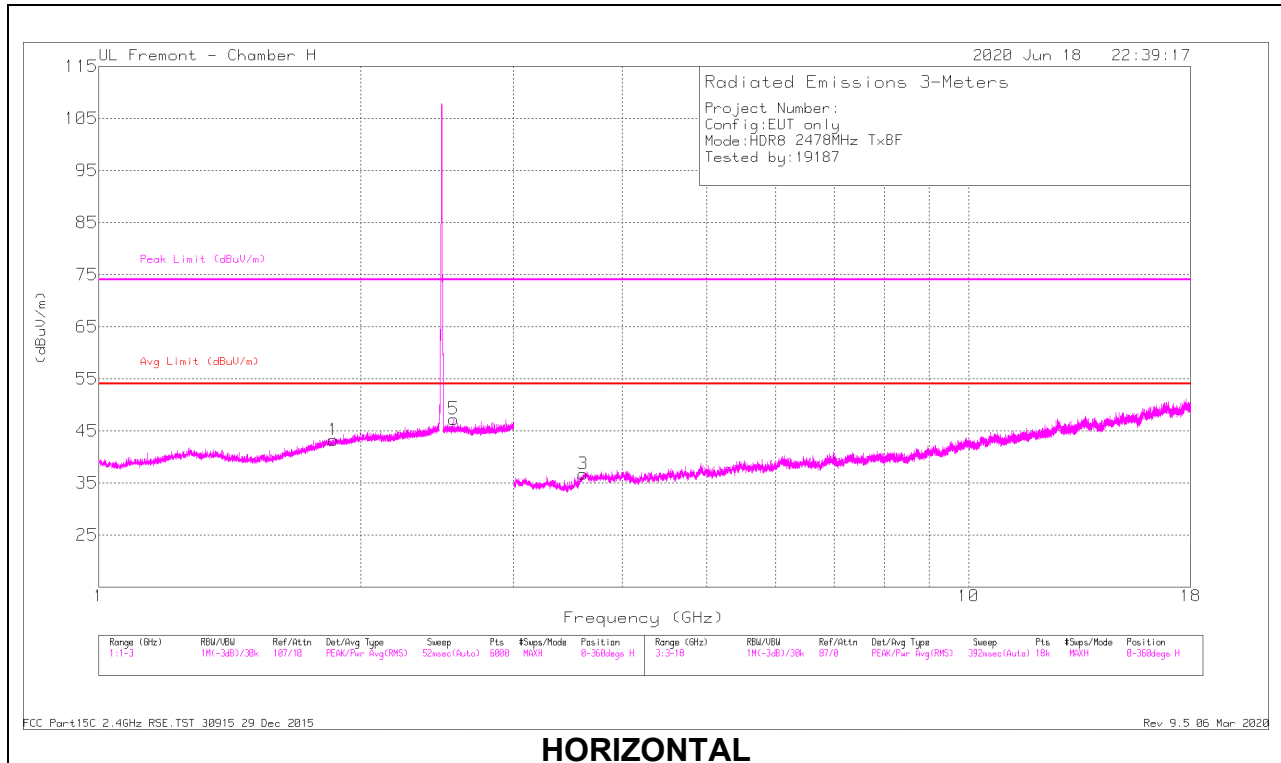
| Markers | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T863 (dB/m) | Amp/Cbl/Fitr/P ad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1       | * 1.27977       | 45.03                | PK2  | 29.2           | -25.6                  | 48.63                      | -                  | -           | 74                  | -25.37         | 298            | 379         | H        |
|         | * 1.28101       | 33.15                | MAv1 | 29.2           | -25.6                  | 36.75                      | 54                 | -17.25      | -                   | -              | 298            | 379         | H        |
| 2       | * 1.27222       | 44.99                | PK2  | 29.3           | -25.7                  | 48.59                      | -                  | -           | 74                  | -25.41         | 163            | 315         | V        |
|         | * 1.27303       | 33.12                | MAv1 | 29.3           | -25.7                  | 36.72                      | 54                 | -17.28      | -                   | -              | 163            | 315         | V        |
| 3       | * 4.98598       | 41.37                | PK2  | 34.2           | -30.5                  | 45.07                      | -                  | -           | 74                  | -28.93         | 311            | 111         | H        |
|         | * 4.98525       | 29.92                | MAv1 | 34.2           | -30.5                  | 33.62                      | 54                 | -20.38      | -                   | -              | 311            | 111         | H        |
| 5       | * 7.25608       | 39.46                | PK2  | 36             | -27.7                  | 47.76                      | -                  | -           | 74                  | -26.24         | 124            | 320         | H        |
|         | * 7.255         | 27.71                | MAv1 | 36             | -27.8                  | 35.91                      | 54                 | -18.09      | -                   | -              | 124            | 320         | H        |
| 4       | * 4.99097       | 42.64                | PK2  | 34.2           | -30.6                  | 46.24                      | -                  | -           | 74                  | -27.76         | 284            | 281         | V        |
|         | * 4.98824       | 29.95                | MAv1 | 34.2           | -30.6                  | 33.55                      | 54                 | -20.45      | -                   | -              | 284            | 281         | V        |
| 6       | * 7.26351       | 39.31                | PK2  | 36             | -27.6                  | 47.71                      | -                  | -           | 74                  | -26.29         | 13             | 361         | V        |
|         | * 7.26203       | 27.61                | MAv1 | 36             | -27.6                  | 36.01                      | 54                 | -17.99      | -                   | -              | 13             | 361         | V        |

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

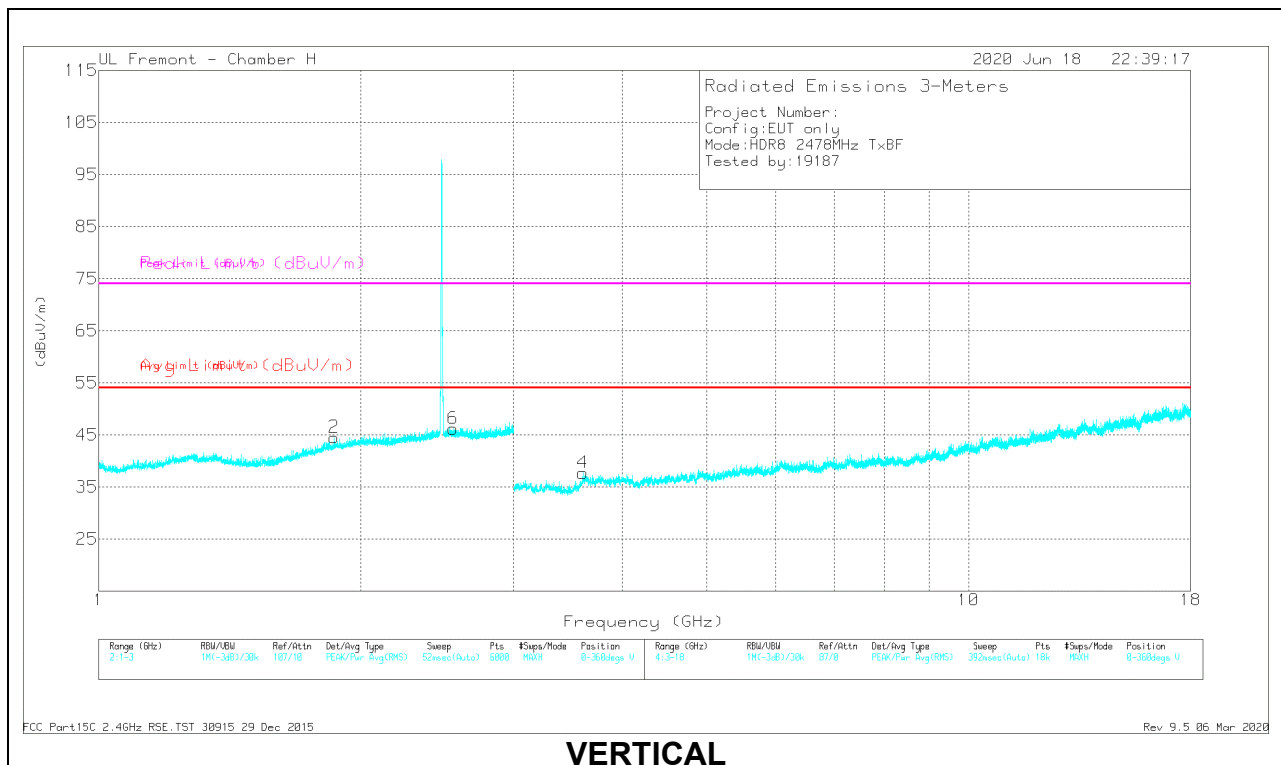
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

# HIGH CHANNEL RESULTS



## HORIZONTAL



## VERTICAL

## RADIATED EMISSIONS

|   | Frequency<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T863<br>(dB/m) | Amp/Cbl/Fitr/P<br>ad (dB) | Corrected<br>Reading<br>(dBuV/m) | Avg Limit<br>(dBuV/m) | Margin<br>(dB) | Peak Limit<br>(dBuV/m) | PK Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|---|--------------------|----------------------------|------|-------------------|---------------------------|----------------------------------|-----------------------|----------------|------------------------|-------------------|-------------------|----------------|----------|
| 3 | * 3.60195          | 41.85                      | PK2  | 33                | -30.9                     | 43.95                            | -                     | -              | 74                     | -30.05            | 34                | 177            | H        |
|   | * 3.60209          | 30.4                       | MAv1 | 33                | -30.9                     | 32.5                             | 54                    | -21.5          | -                      | -                 | 34                | 177            | H        |
| 4 | * 3.60264          | 42.22                      | PK2  | 33                | -30.9                     | 44.32                            | -                     | -              | 74                     | -29.68            | 207               | 199            | H        |
|   | * 3.60246          | 30.88                      | MAv1 | 33                | -30.9                     | 32.98                            | 54                    | -21.02         | -                      | -                 | 207               | 199            | H        |
| 1 | 1.85993            | 32.41                      | MAv1 | 30.9              | -24.6                     | 38.71                            | -                     | -              | -                      | -                 | 69                | 156            | H        |
|   | 1.86145            | 44.96                      | PK2  | 30.9              | -24.6                     | 51.26                            | -                     | -              | -                      | -                 | 69                | 156            | H        |
| 2 | 1.86669            | 44.22                      | PK2  | 31                | -24.6                     | 50.62                            | -                     | -              | -                      | -                 | 308               | 290            | V        |
|   | 1.86684            | 32.48                      | MAv1 | 31                | -24.6                     | 38.88                            | -                     | -              | -                      | -                 | 308               | 290            | V        |
| 6 | 2.55292            | 32.02                      | MAv1 | 32.5              | -23.5                     | 41.02                            | -                     | -              | -                      | -                 | 307               | 367            | V        |
|   | 2.5532             | 44.08                      | PK2  | 32.5              | -23.5                     | 53.08                            | -                     | -              | -                      | -                 | 307               | 367            | V        |
| 5 | 2.55994            | 32.08                      | MAv1 | 32.5              | -23.5                     | 41.08                            | -                     | -              | -                      | -                 | 11                | 236            | H        |
|   | 2.56041            | 43.92                      | PK2  | 32.5              | -23.5                     | 52.92                            | -                     | -              | -                      | -                 | 11                | 236            | H        |

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

PK2 - KDB558074 Method: Maximum Peak

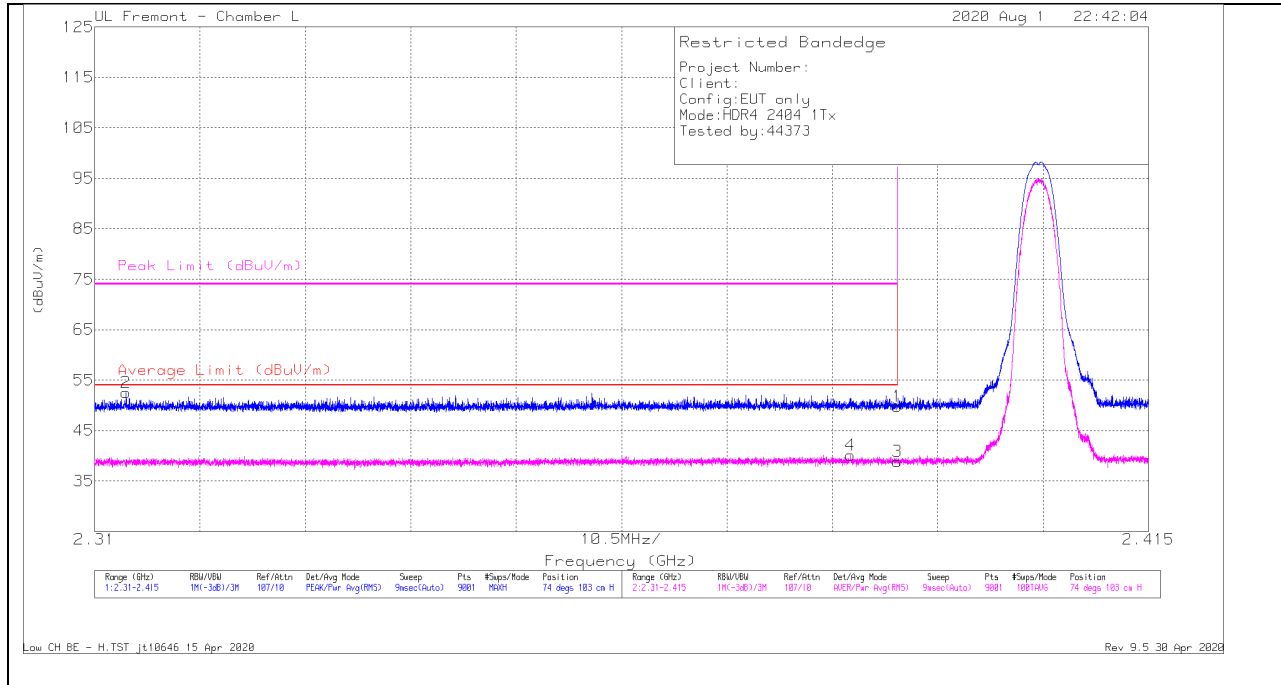
MAv1 - KDB558074 Option 1 Maximum RMS Average

## 10.2.5. LOW POWER HDR (HDR4)

### ANT 4

### BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT



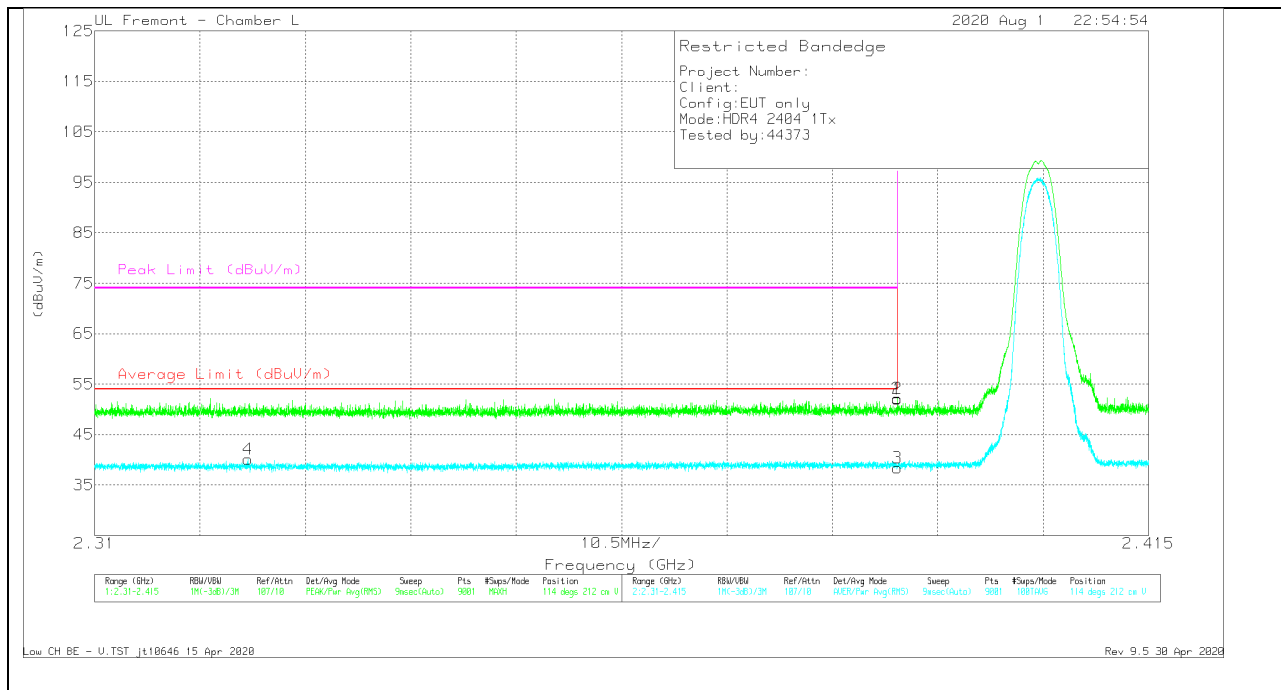
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/Cb/Filt/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.38999       | 38.96                | Pk  | 31.9          | -21.1                 | 49.76                      | -                      | -           | 74                  | -24.24         | 74             | 103         | H        |
| 2      | * 2.31313       | 42.18                | Pk  | 31.7          | -21.3                 | 52.58                      | -                      | -           | 74                  | -21.42         | 74             | 103         | H        |
| 3      | * 2.38999       | 28.07                | RMS | 31.9          | -21.1                 | 38.87                      | 54                     | -15.13      | -                   | -              | 74             | 103         | H        |
| 4      | * 2.38529       | 29.39                | RMS | 31.8          | -21.1                 | 40.09                      | 54                     | -13.91      | -                   | -              | 74             | 103         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT

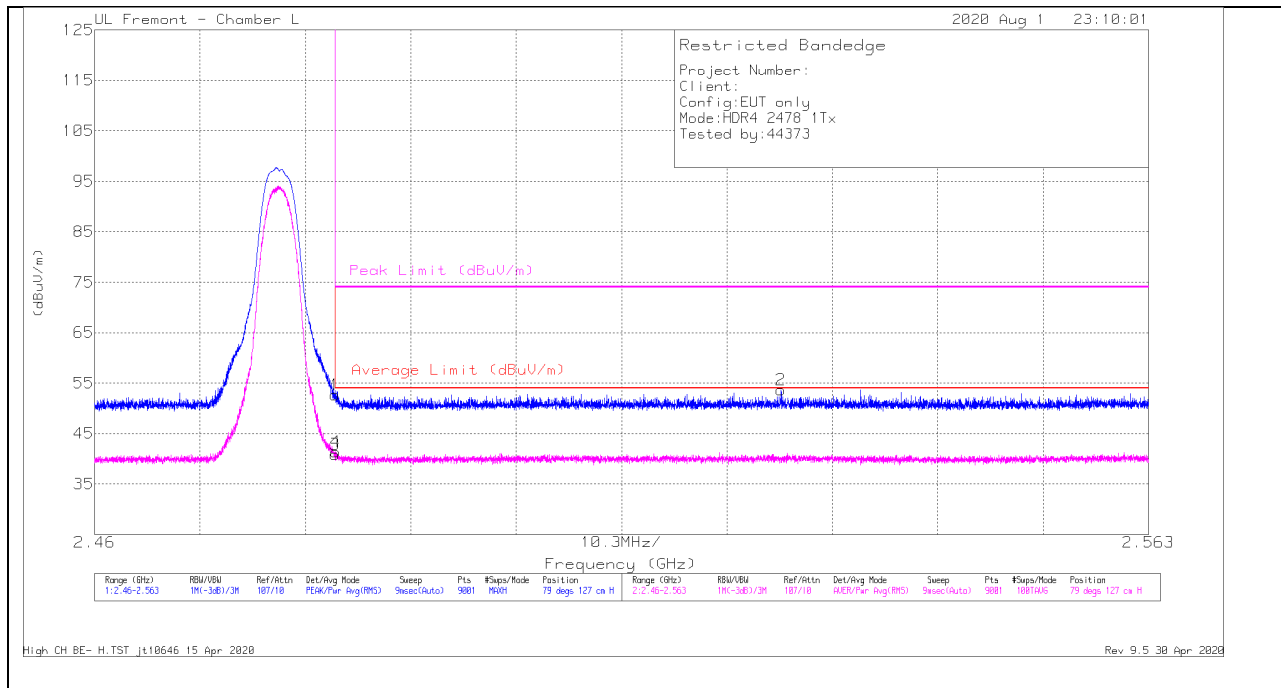


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/Cbl/Fitr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.38999       | 41.22                | Pk  | 31.9          | -21.1                  | 52.02                      | -                      | -           | 74                  | -21.98         | 114            | 212         | V        |
| 2      | * 2.38998       | 41.36                | Pk  | 31.9          | -21.1                  | 52.16                      | -                      | -           | 74                  | -21.84         | 114            | 212         | V        |
| 3      | * 2.38999       | 27.59                | RMS | 31.9          | -21.1                  | 38.39                      | 54                     | -15.61      | -                   | -              | 114            | 212         | V        |
| 4      | * 2.32525       | 29.69                | RMS | 31.7          | -21.3                  | 40.09                      | 54                     | -13.91      | -                   | -              | 114            | 212         | V        |

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

Pk - Peak detector

RMS - RMS detection

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

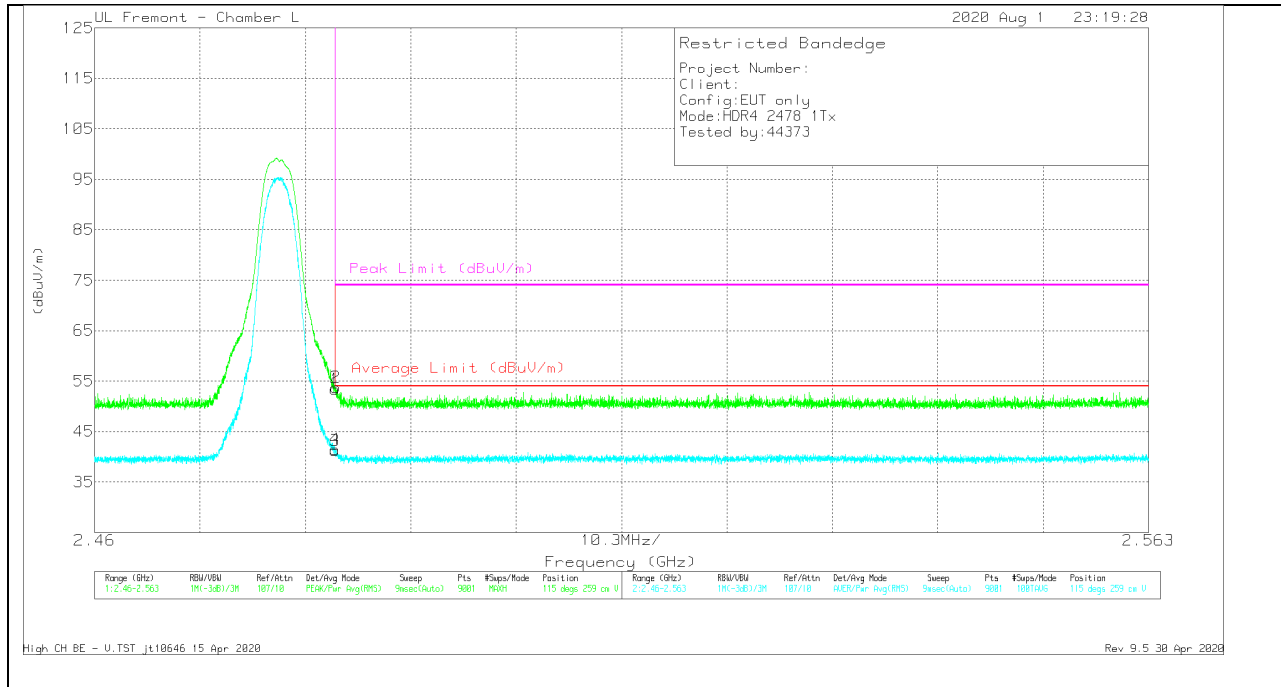
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 41.26                | Pk  | 32.3          | -20.9                 | 52.66                      | -                      | -           | 74                  | -21.34         | 79             | 127         | H        |
| 2      | 2.5271          | 42.02                | Pk  | 32.4          | -20.8                 | 53.62                      | -                      | -           | 74                  | -20.38         | 79             | 127         | H        |
| 3      | * 2.48351       | 29.47                | RMS | 32.3          | -20.9                 | 40.87                      | 54                     | -13.13      | -                   | -              | 79             | 127         | H        |
| 4      | * 2.48357       | 29.94                | RMS | 32.3          | -20.9                 | 41.34                      | 54                     | -12.66      | -                   | -              | 79             | 127         | H        |

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

Pk - Peak detector

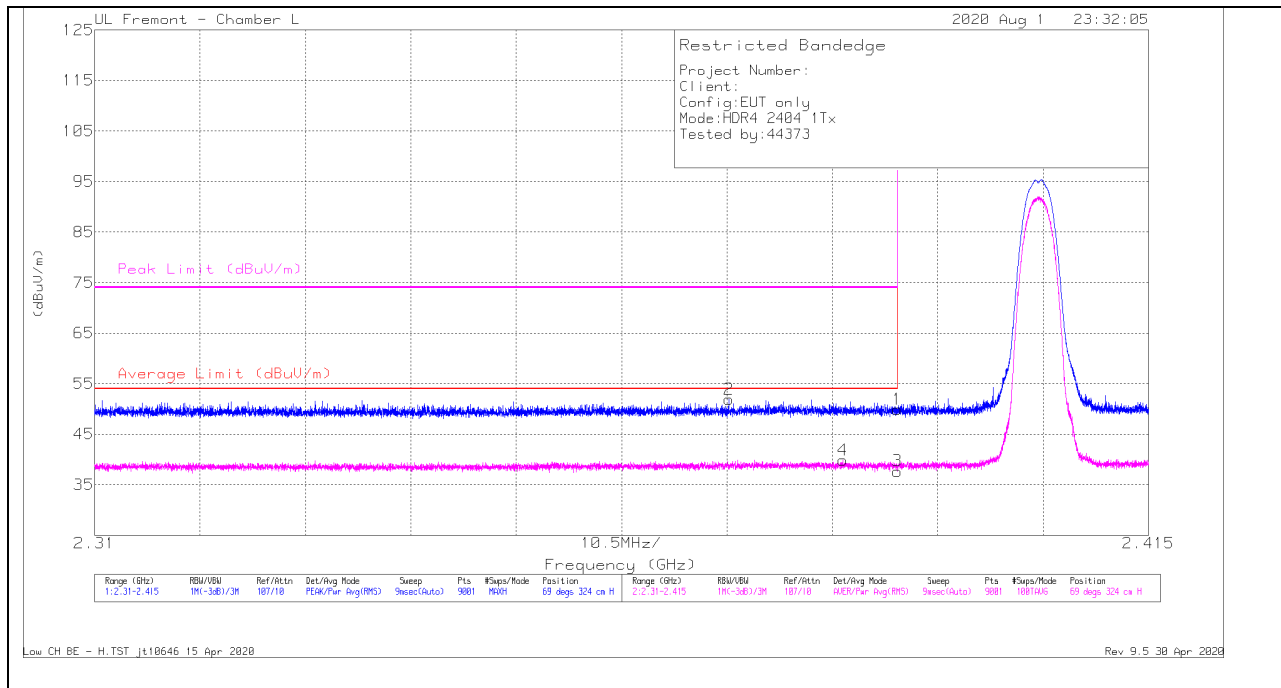
RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/Cbl/Fitr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 41.96                | Pk  | 32.3          | -20.9                  | 53.36                      | -                      | -           | 74                  | -20.64         | 115            | 259         | V        |
| 2      | * 2.48356       | 42.35                | Pk  | 32.3          | -20.9                  | 53.75                      | -                      | -           | 74                  | -20.25         | 115            | 259         | V        |
| 3      | * 2.48351       | 29.83                | RMS | 32.3          | -20.9                  | 41.23                      | 54                     | -12.77      | -                   | -              | 115            | 259         | V        |
| 4      | * 2.48352       | 30.07                | RMS | 32.3          | -20.9                  | 41.47                      | 54                     | -12.53      | -                   | -              | 115            | 259         | V        |

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

**ANT 3****BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

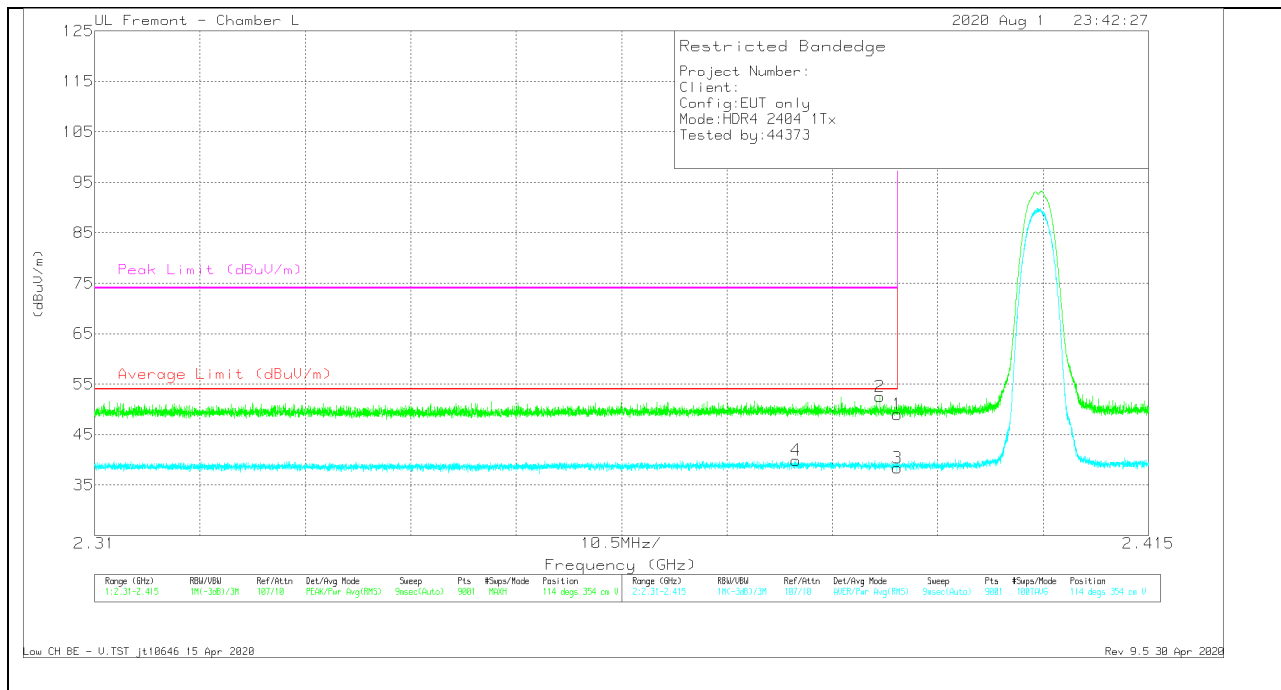
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/CbI/Filt/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.38999       | 39.12                | Pk  | 31.9          | -21.1                  | 49.92                      | -                      | -           | 74                  | -24.08         | 69             | 324         | H        |
| 2      | * 2.3732        | 41.3                 | Pk  | 31.8          | -21.2                  | 51.9                       | -                      | -           | 74                  | -22.1          | 69             | 324         | H        |
| 3      | * 2.38999       | 26.89                | RMS | 31.9          | -21.1                  | 37.69                      | 54                     | -16.31      | -                   | -              | 69             | 324         | H        |
| 4      | * 2.38455       | 29.15                | RMS | 31.8          | -21.1                  | 39.85                      | 54                     | -14.15      | -                   | -              | 69             | 324         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT

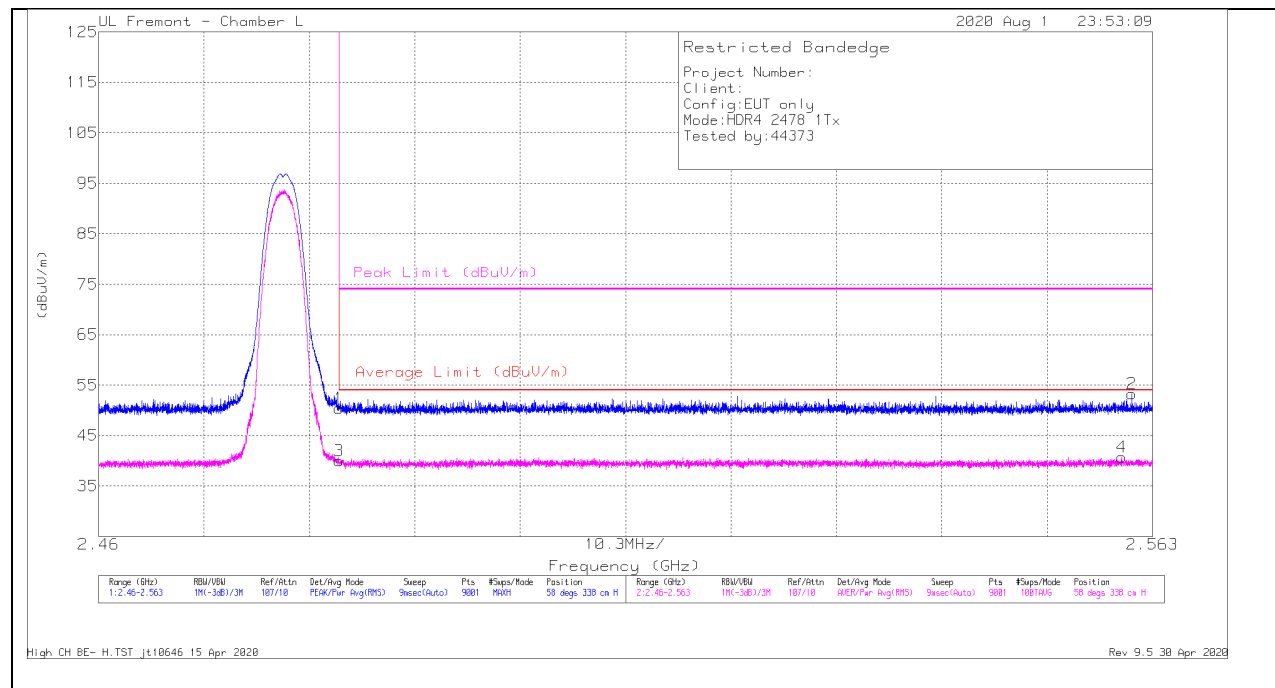


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/Cbl/Fitr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.38999       | 38.19                | Pk  | 31.9          | -21.1                  | 48.99                      | -                      | -           | 74                  | -25.01         | 114            | 354         | V        |
| 2      | * 2.38822       | 41.75                | Pk  | 31.9          | -21.1                  | 52.55                      | -                      | -           | 74                  | -21.45         | 114            | 354         | V        |
| 3      | * 2.38999       | 27.59                | RMS | 31.9          | -21.1                  | 38.39                      | 54                     | -15.61      | -                   | -              | 114            | 354         | V        |
| 4      | * 2.37985       | 29.22                | RMS | 31.8          | -21.1                  | 39.92                      | 54                     | -14.08      | -                   | -              | 114            | 354         | V        |

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

Pk - Peak detector

RMS - RMS detection

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

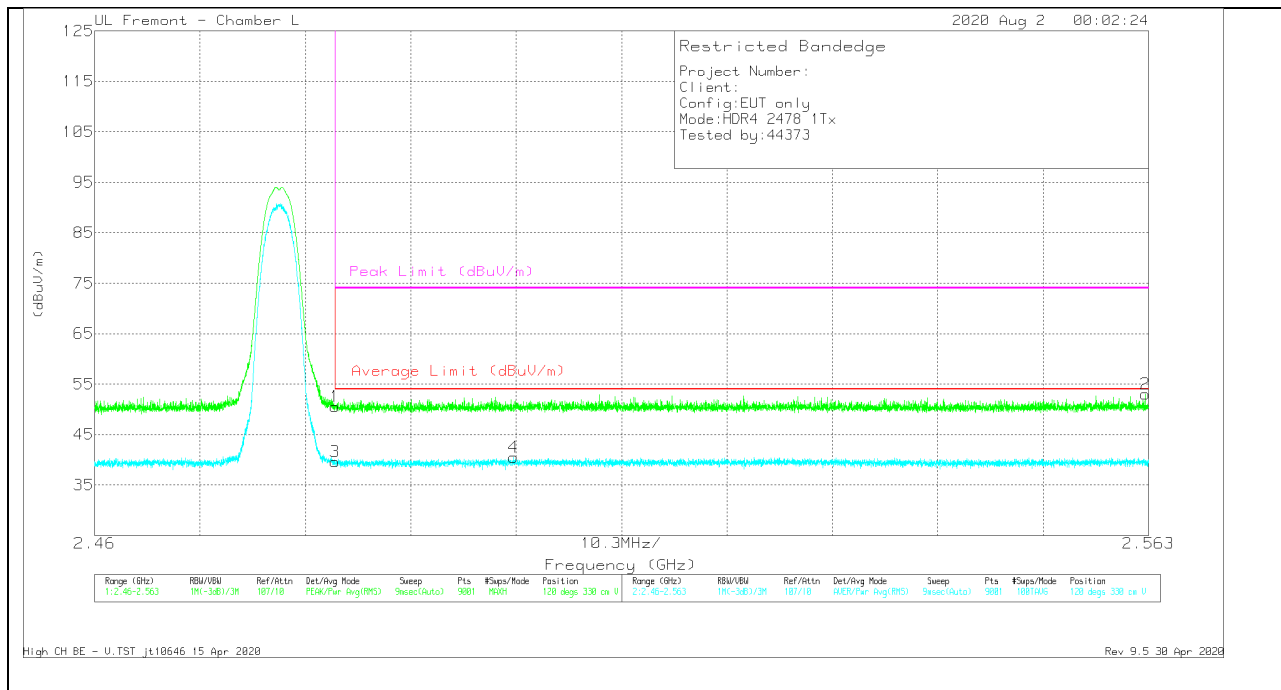
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/Cbl/Filt/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 39                   | Pk  | 32.3          | -20.9                  | 50.4                       | -                      | -           | 74                  | -23.6          | 58             | 338         | H        |
| 2      | 2.561           | 41.62                | Pk  | 32.4          | -20.8                  | 53.22                      | -                      | -           | 74                  | -20.78         | 58             | 338         | H        |
| 3      | * 2.48351       | 28.63                | RMS | 32.3          | -20.9                  | 40.03                      | 54                     | -13.97      | -                   | -              | 58             | 338         | H        |
| 4      | 2.55997         | 29.17                | RMS | 32.4          | -20.8                  | 40.77                      | 54                     | -13.23      | -                   | -              | 58             | 338         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



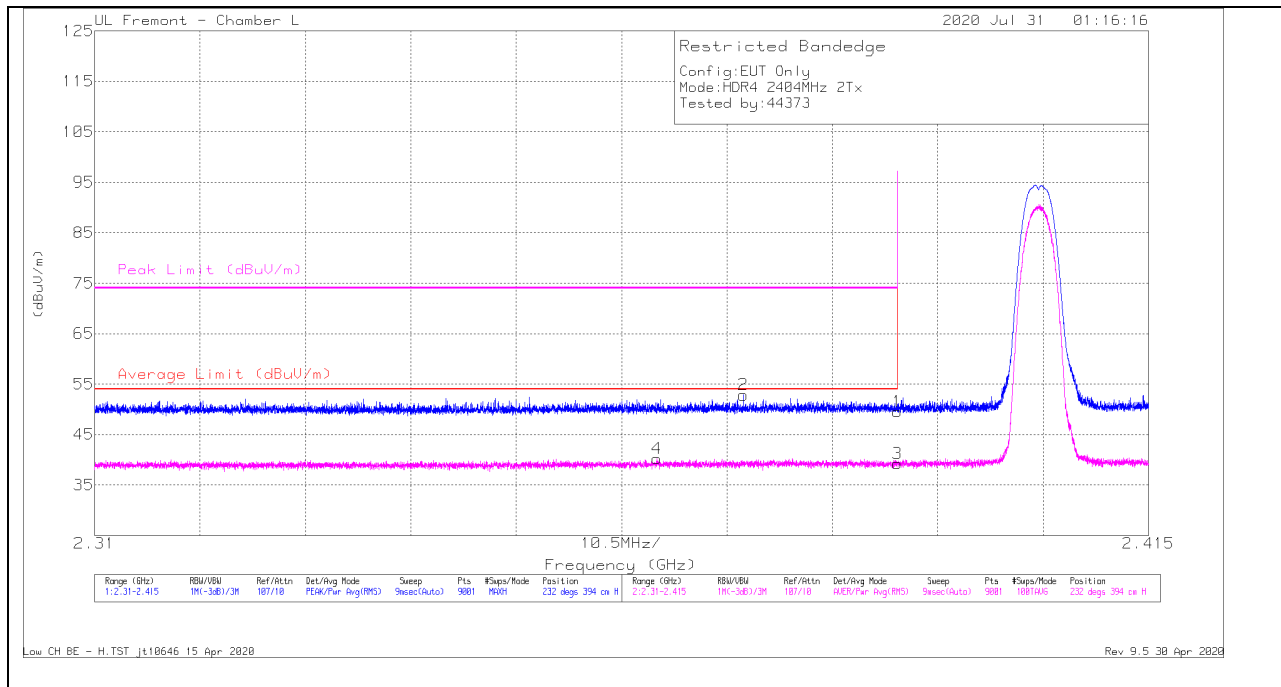
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/Cbl/Fitr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 39.11                | Pk  | 32.3          | -20.9                  | 50.51                      | -                      | -           | 74                  | -23.49         | 120            | 330         | V        |
| 2      | 2.56268         | 41.41                | Pk  | 32.4          | -20.8                  | 53.01                      | -                      | -           | 74                  | -20.99         | 120            | 330         | V        |
| 3      | * 2.48351       | 28.17                | RMS | 32.3          | -20.9                  | 39.57                      | 54                     | -14.43      | -                   | -              | 120            | 330         | V        |
| 4      | 2.50094         | 28.97                | RMS | 32.4          | -20.9                  | 40.47                      | 54                     | -13.53      | -                   | -              | 120            | 330         | V        |

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

## 10.2.6. LOW POWER HDR TXBF (HDR4)

### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT



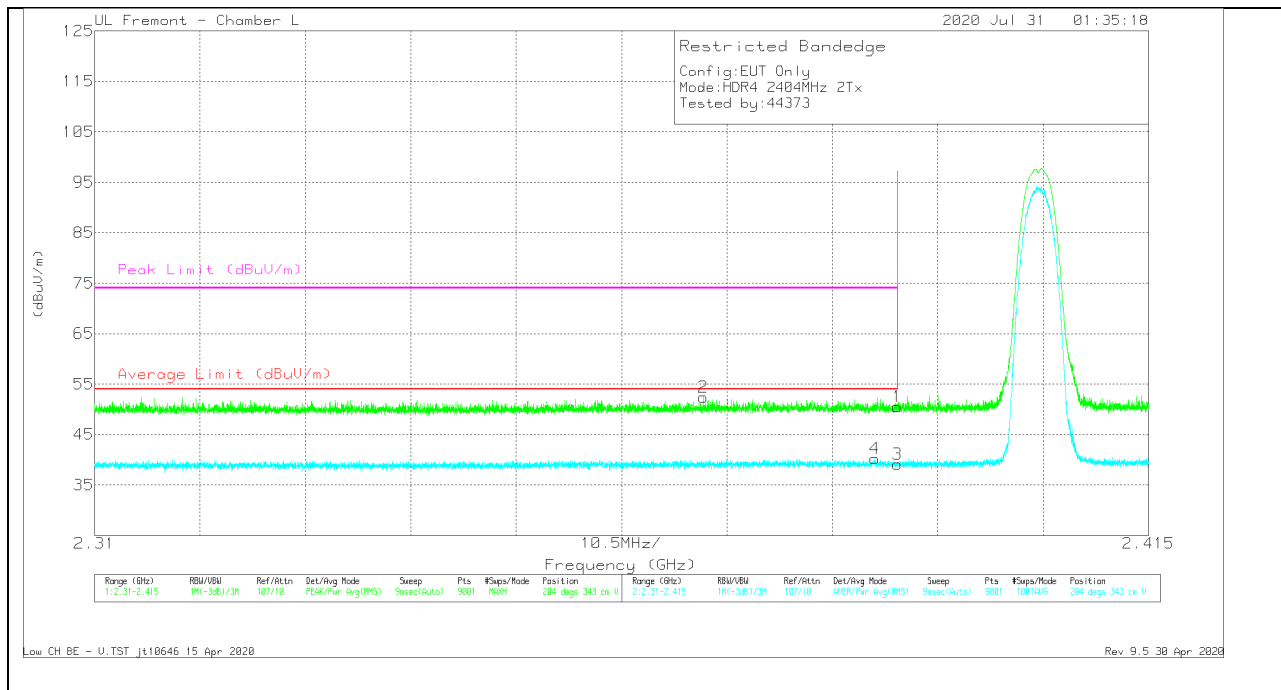
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/Cb/Filt/Par d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.38999       | 38.8                 | Pk  | 31.9          | -21.1                  | 49.6                       | -                      | -           | 74                  | -24.4          | 232            | 394         | H        |
| 2      | * 2.37464       | 42.24                | Pk  | 31.8          | -21.2                  | 52.84                      | -                      | -           | 74                  | -21.16         | 232            | 394         | H        |
| 3      | * 2.38999       | 28.48                | RMS | 31.9          | -21.1                  | 39.28                      | 54                     | -14.72      | -                   | -              | 232            | 394         | H        |
| 4      | * 2.36604       | 29.73                | RMS | 31.7          | -21.2                  | 40.23                      | 54                     | -13.77      | -                   | -              | 232            | 394         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT

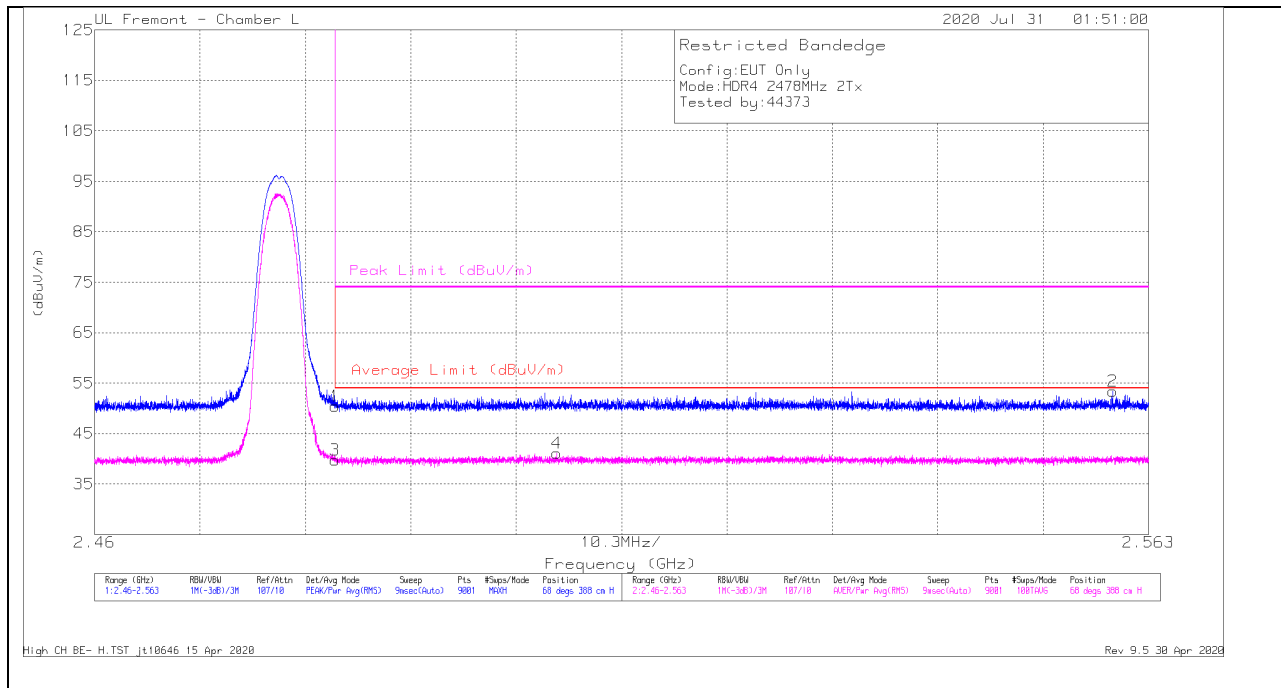


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/Cbl/Fitr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.38999       | 39.74                | Pk  | 31.9          | -21.1                  | 50.54                      | -                      | -           | 74                  | -23.46         | 204            | 343         | V        |
| 2      | * 2.37063       | 41.79                | Pk  | 31.8          | -21.2                  | 52.39                      | -                      | -           | 74                  | -21.61         | 204            | 343         | V        |
| 3      | * 2.38999       | 28.36                | RMS | 31.9          | -21.1                  | 39.16                      | 54                     | -14.84      | -                   | -              | 204            | 343         | V        |
| 4      | * 2.38773       | 29.51                | RMS | 31.8          | -21.1                  | 40.21                      | 54                     | -13.79      | -                   | -              | 204            | 343         | V        |

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

Pk - Peak detector

RMS - RMS detection

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

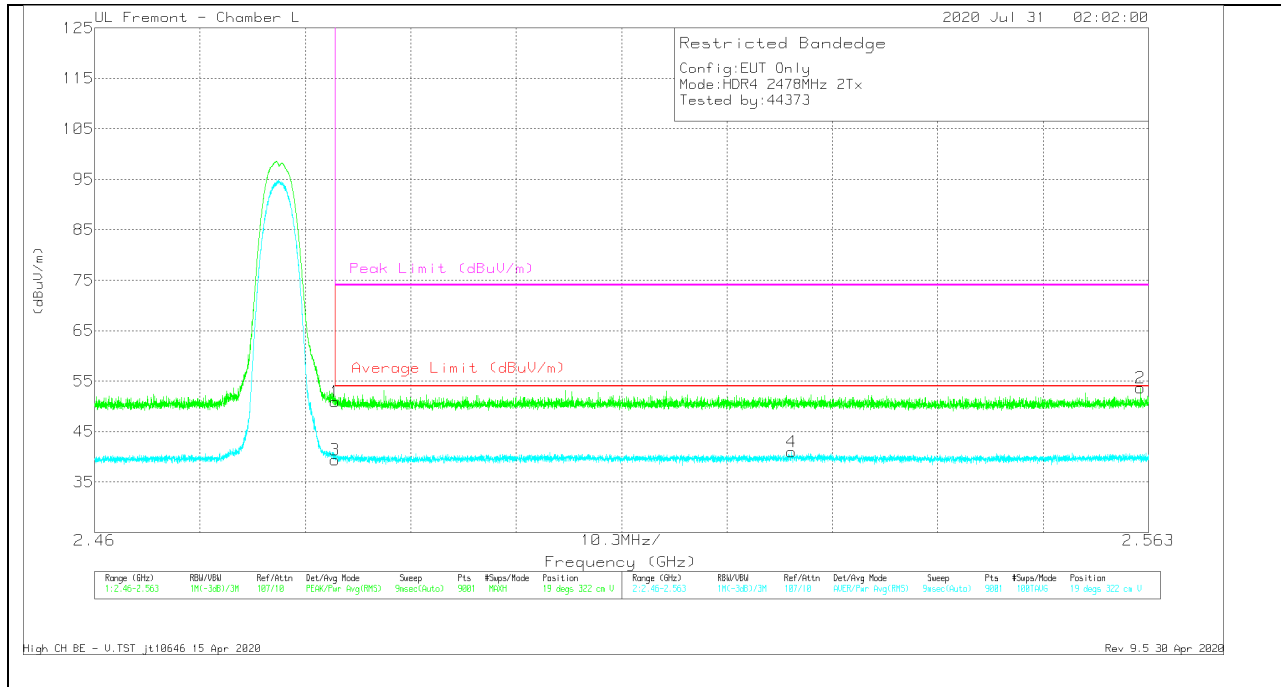
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/Cbl/Filt/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 39                   | Pk  | 32.3          | -20.9                  | 50.4                       | -                      | -           | 74                  | -23.6          | 68             | 388         | H        |
| 2      | 2.55948         | 41.83                | Pk  | 32.4          | -20.8                  | 53.43                      | -                      | -           | 74                  | -20.57         | 68             | 388         | H        |
| 3      | * 2.48351       | 28.34                | RMS | 32.3          | -20.9                  | 39.74                      | 54                     | -14.26      | -                   | -              | 68             | 388         | H        |
| 4      | 2.50515         | 29.56                | RMS | 32.4          | -20.9                  | 41.06                      | 54                     | -12.94      | -                   | -              | 68             | 388         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBUV) | Det | AF 344 (dB/m) | Amp/Cbl/Fitr/Pa d (dB) | Corrected Reading (dBUV/m) | Average Limit (dBUV/m) | Margin (dB) | Peak Limit (dBUV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 39.47                | Pk  | 32.3          | -20.9                  | 50.87                      | -                      | -           | 74                  | -23.13         | 19             | 322         | V        |
| 2      | 2.56223         | 42                   | Pk  | 32.4          | -20.8                  | 53.6                       | -                      | -           | 74                  | -20.4          | 19             | 322         | V        |
| 3      | * 2.48351       | 28.01                | RMS | 32.3          | -20.9                  | 39.41                      | 54                     | -14.59      | -                   | -              | 19             | 322         | V        |
| 4      | 2.52811         | 29.38                | RMS | 32.4          | -20.8                  | 40.98                      | 54                     | -13.02      | -                   | -              | 19             | 322         | V        |

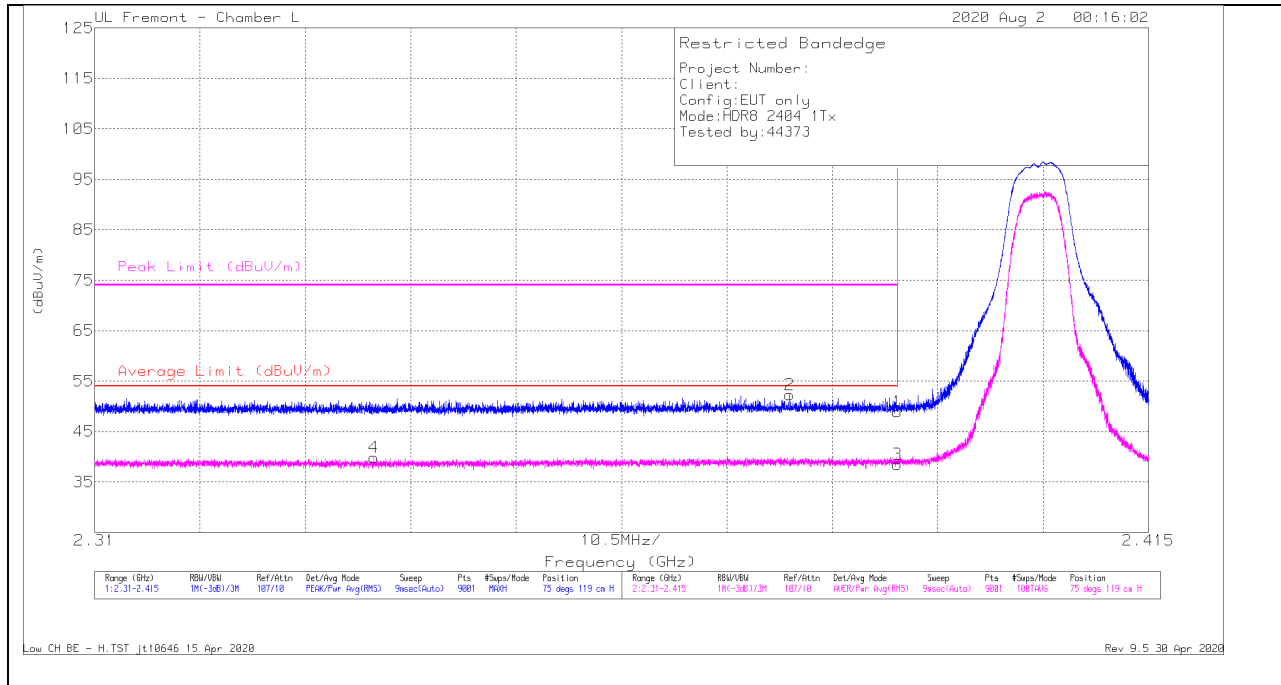
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
Pk - Peak detector  
RMS - RMS detection

## 10.2.7. LOW POWER HDR (HDR8)

### ANT 4

### BANDEGE (LOW CHANNEL)

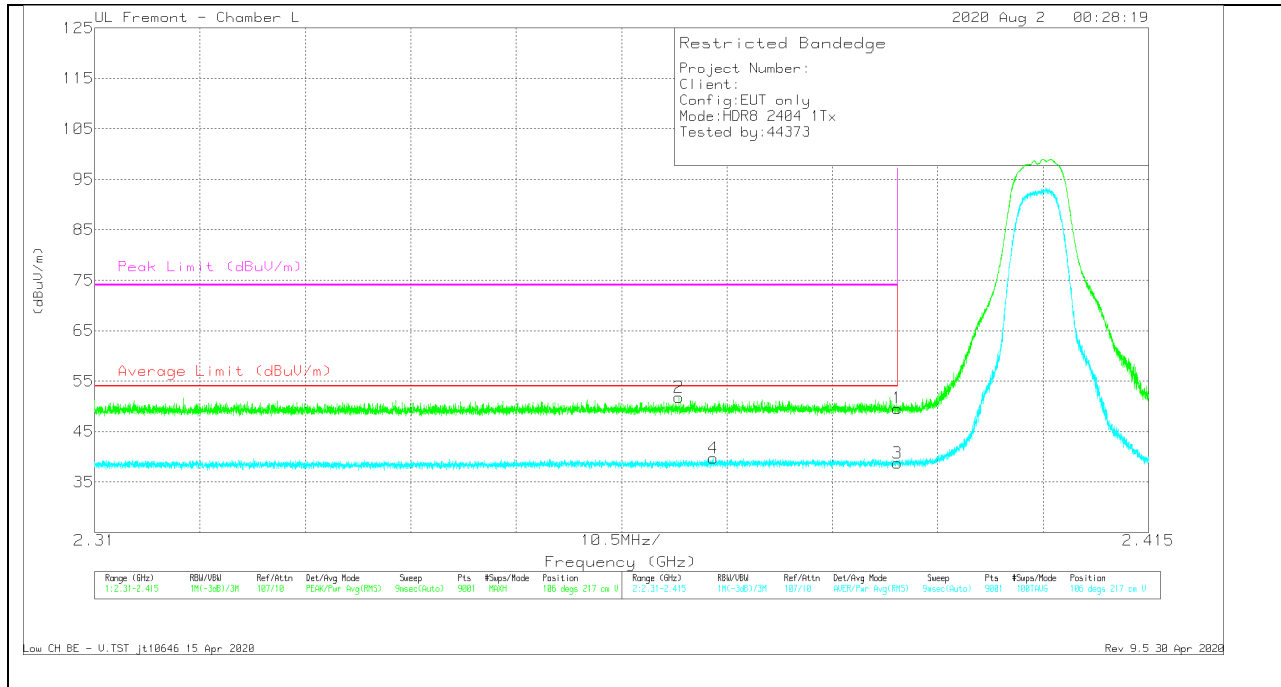
### HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.38999       | 38.09                | Pk  | 31.9          | -21.1                 | 48.89                      | -                      | -           | 74                  | -25.11         | 75             | 119         | H        |
| 2      | * 2.37923       | 41.63                | Pk  | 31.8          | -21.1                 | 52.33                      | -                      | -           | 74                  | -21.67         | 75             | 119         | H        |
| 3      | * 2.38999       | 27.7                 | RMS | 31.9          | -21.1                 | 38.5                       | 54                     | -15.5       | -                   | -              | 75             | 119         | H        |
| 4      | * 2.33785       | 29.69                | RMS | 31.5          | -21.3                 | 39.89                      | 54                     | -14.11      | -                   | -              | 75             | 119         | H        |

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

## VERTICAL RESULT

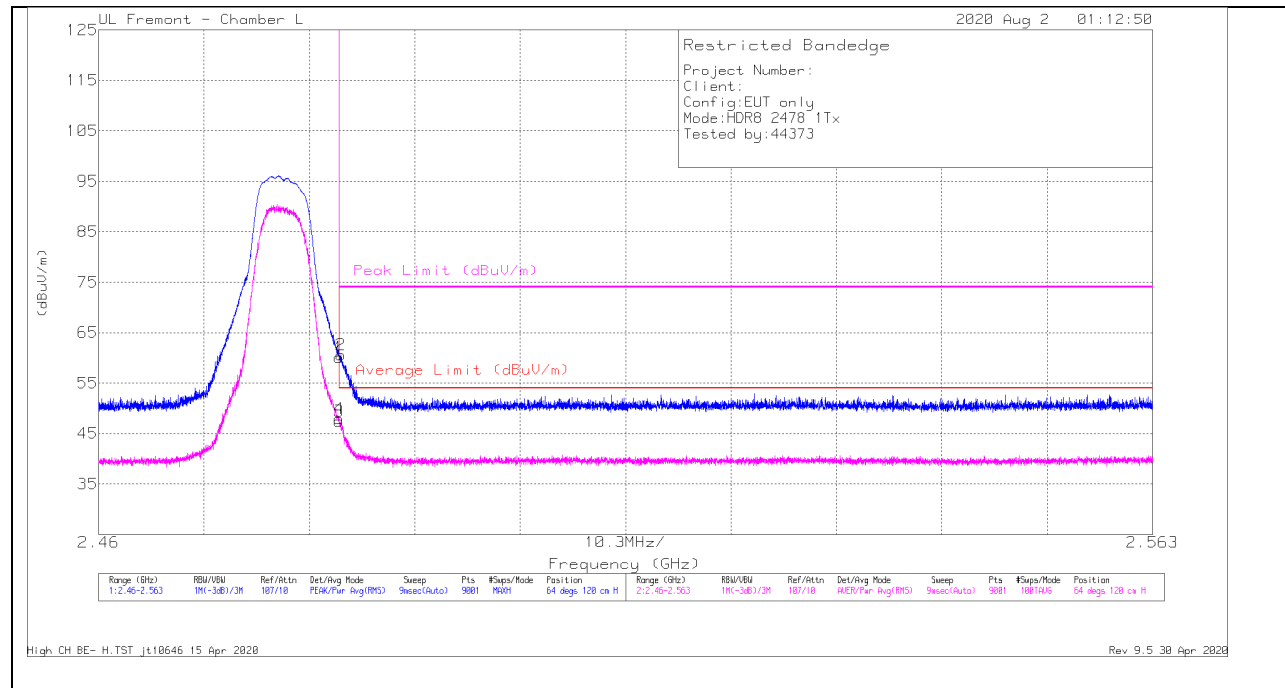


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/Cbl/Fitr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.38999       | 38.81                | Pk  | 31.9          | -21.1                  | 49.61                      | -                      | -           | 74                  | -24.39         | 106            | 217         | V        |
| 2      | * 2.36821       | 41.21                | Pk  | 31.8          | -21.2                  | 51.81                      | -                      | -           | 74                  | -22.19         | 106            | 217         | V        |
| 3      | * 2.38999       | 27.94                | RMS | 31.9          | -21.1                  | 38.74                      | 54                     | -15.26      | -                   | -              | 106            | 217         | V        |
| 4      | * 2.37161       | 29.18                | RMS | 31.8          | -21.2                  | 39.78                      | 54                     | -14.22      | -                   | -              | 106            | 217         | V        |

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

Pk - Peak detector

RMS - RMS detection

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

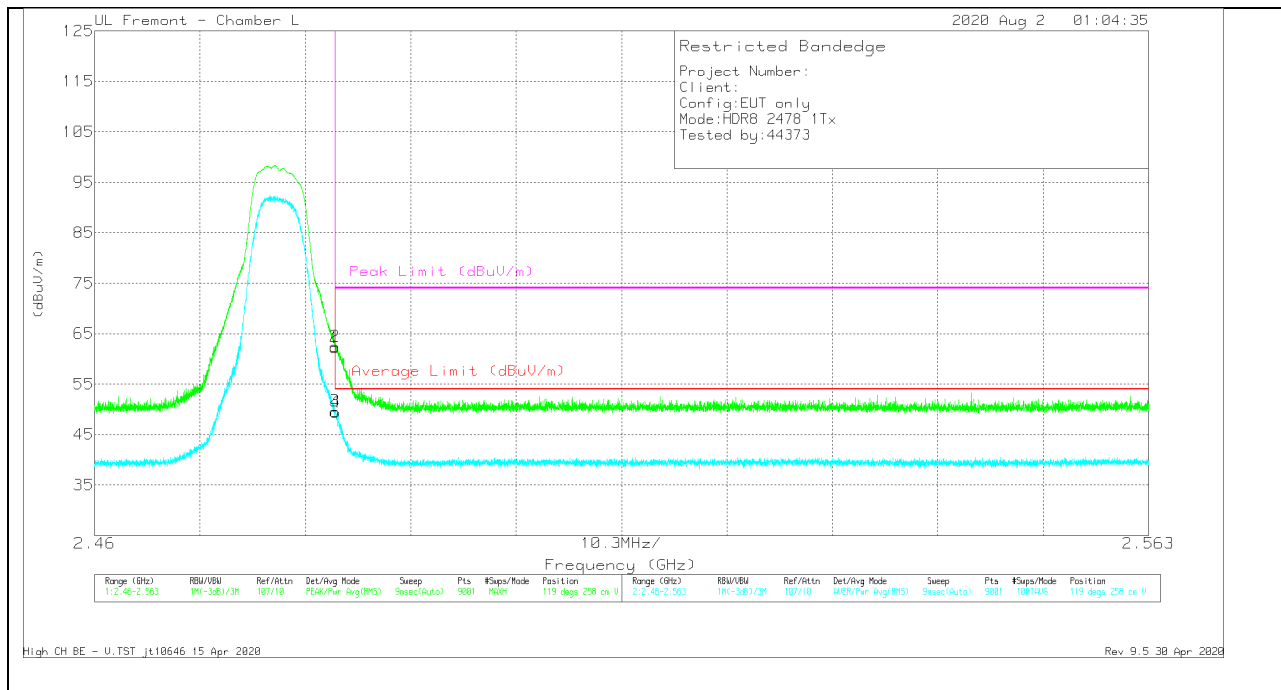
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/Cbl/Fitr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 48.69                | Pk  | 32.3          | -20.9                  | 60.09                      | -                      | -           | 74                  | -13.91         | 64             | 120         | H        |
| 2      | * 2.48367       | 49.21                | Pk  | 32.3          | -20.9                  | 60.61                      | -                      | -           | 74                  | -13.39         | 64             | 120         | H        |
| 3      | * 2.48351       | 36.06                | RMS | 32.3          | -20.9                  | 47.46                      | 54                     | -6.54       | -                   | -              | 64             | 120         | H        |
| 4      | * 2.48352       | 36.54                | RMS | 32.3          | -20.9                  | 47.94                      | 54                     | -6.06       | -                   | -              | 64             | 120         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT

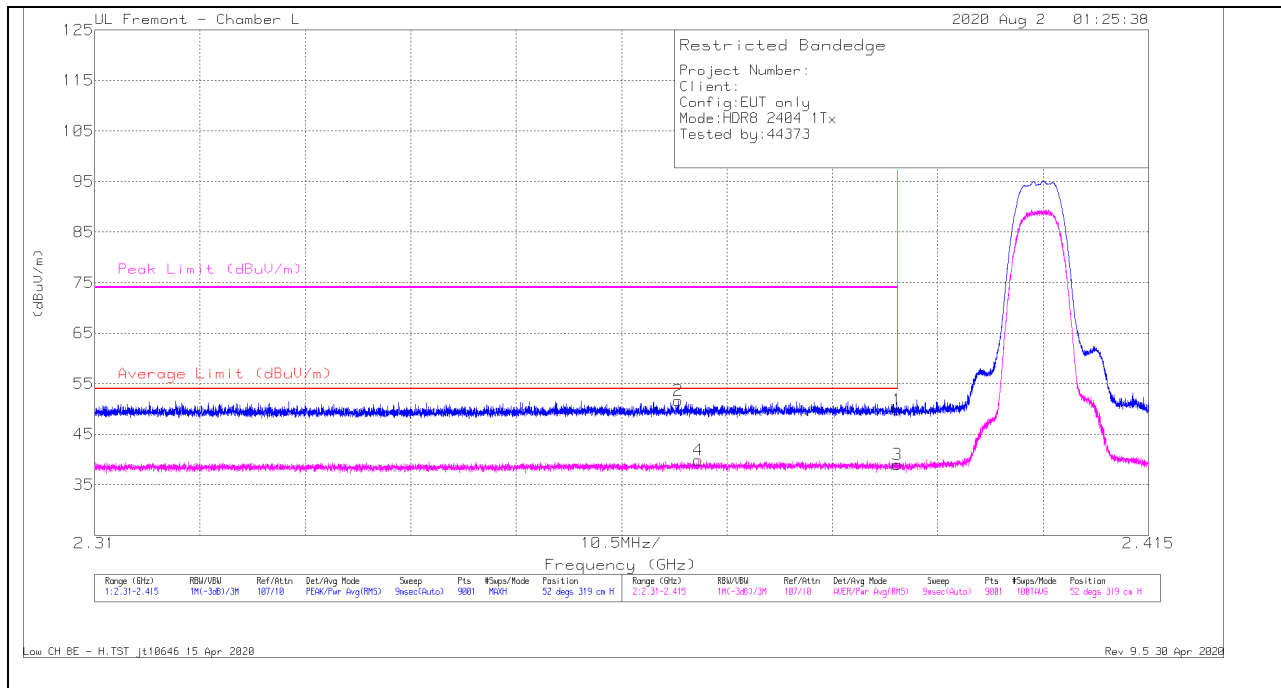


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/CbI/Fitr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 50.84                | Pk  | 32.3          | -20.9                  | 62.24                      | -                      | -           | 74                  | -11.76         | 119            | 258         | V        |
| 2      | * 2.48352       | 51.11                | Pk  | 32.3          | -20.9                  | 62.51                      | -                      | -           | 74                  | -11.49         | 119            | 258         | V        |
| 3      | * 2.48351       | 38.21                | RMS | 32.3          | -20.9                  | 49.61                      | 54                     | -4.39       | -                   | -              | 119            | 258         | V        |
| 4      | * 2.48353       | 38.08                | RMS | 32.3          | -20.9                  | 49.48                      | 54                     | -4.52       | -                   | -              | 119            | 258         | V        |

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

Pk - Peak detector

RMS - RMS detection

**ANT 3****BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

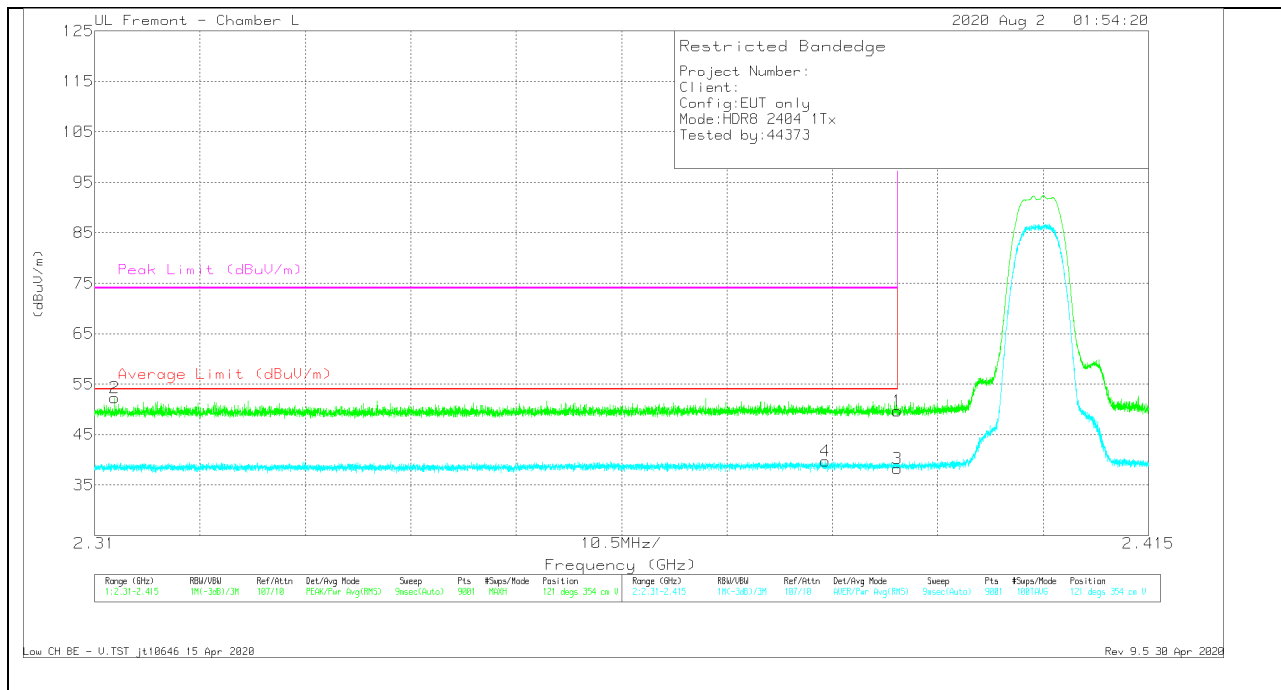
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/CbI/Filt/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.38999       | 39                   | Pk  | 31.9          | -21.1                  | 49.8                       | -                      | -           | 74                  | -24.2          | 52             | 319         | H        |
| 2      | * 2.36814       | 41.04                | Pk  | 31.8          | -21.2                  | 51.64                      | -                      | -           | 74                  | -22.36         | 52             | 319         | H        |
| 3      | * 2.38999       | 28.16                | RMS | 31.9          | -21.1                  | 38.96                      | 54                     | -15.04      | -                   | -              | 52             | 319         | H        |
| 4      | * 2.37014       | 29.21                | RMS | 31.8          | -21.2                  | 39.81                      | 54                     | -14.19      | -                   | -              | 52             | 319         | H        |

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

Pk - Peak detector

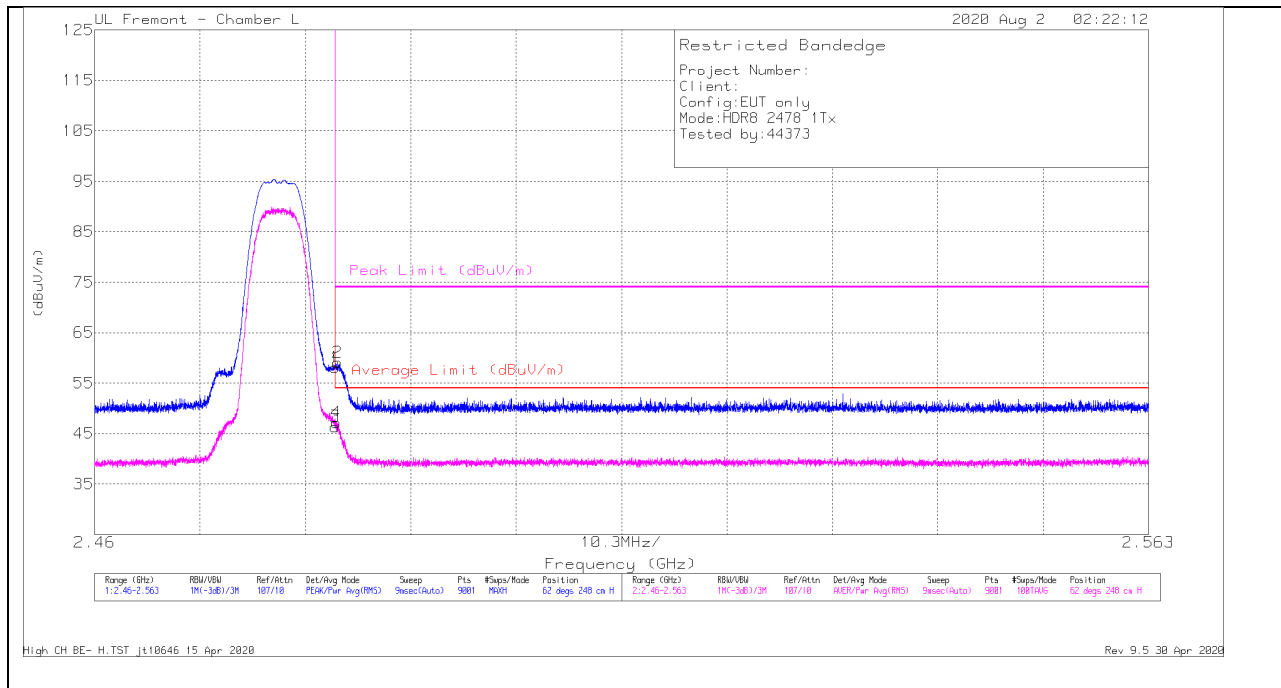
RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/Cbl/Fitr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.38999       | 38.82                | Pk  | 31.9          | -21.1                  | 49.62                      | -                      | -           | 74                  | -24.38         | 121            | 354         | V        |
| 2      | * 2.31198       | 41.97                | Pk  | 31.7          | -21.4                  | 52.27                      | -                      | -           | 74                  | -21.73         | 121            | 354         | V        |
| 3      | * 2.38999       | 27.43                | RMS | 31.9          | -21.1                  | 38.23                      | 54                     | -15.77      | -                   | -              | 121            | 354         | V        |
| 4      | * 2.38279       | 29.05                | RMS | 31.8          | -21.1                  | 39.75                      | 54                     | -14.25      | -                   | -              | 121            | 354         | V        |

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

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

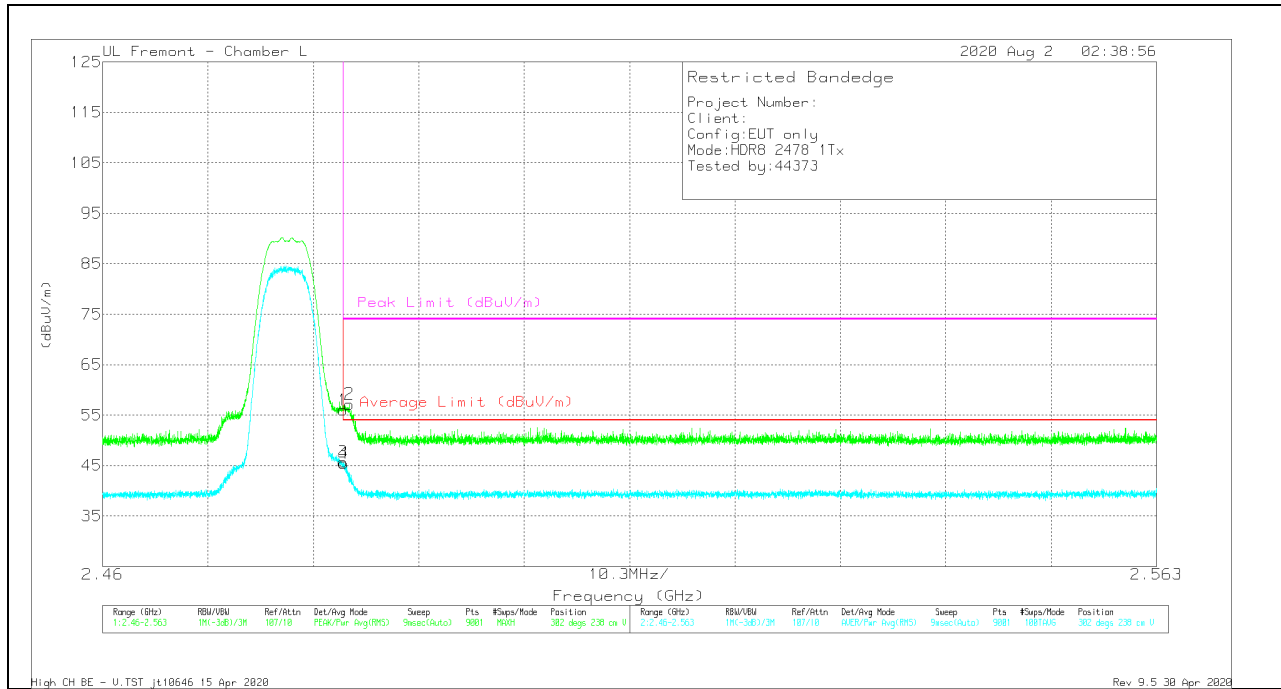
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/Cbl/Fitr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 46.72                | Pk  | 32.3          | -20.9                  | 58.12                      | -                      | -           | 74                  | -15.88         | 62             | 248         | H        |
| 2      | * 2.48373       | 47.67                | Pk  | 32.3          | -20.9                  | 59.07                      | -                      | -           | 74                  | -14.93         | 62             | 248         | H        |
| 3      | * 2.48351       | 34.98                | RMS | 32.3          | -20.9                  | 46.38                      | 54                     | -7.62       | -                   | -              | 62             | 248         | H        |
| 4      | * 2.4836        | 35.81                | RMS | 32.3          | -20.9                  | 47.21                      | 54                     | -6.79       | -                   | -              | 62             | 248         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT



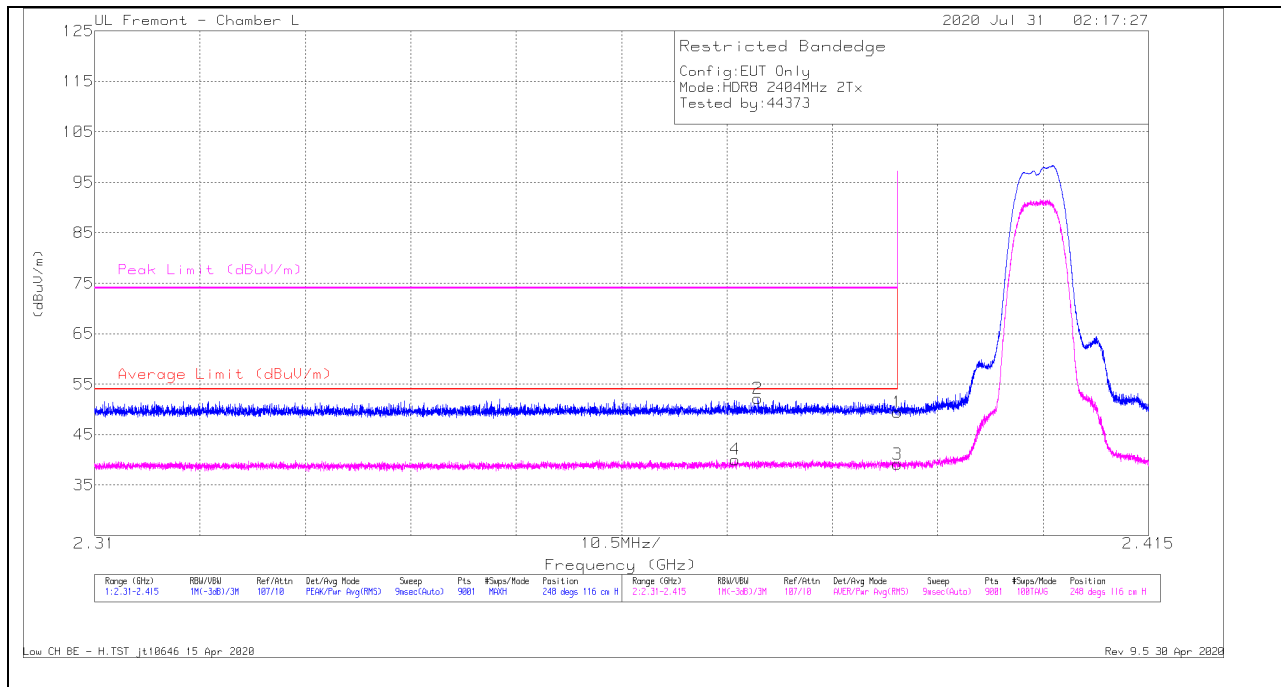
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/CbI/Filt/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 44.6                 | Pk  | 32.3          | -20.9                  | 56                         | -                      | -           | 74                  | -18            | 302            | 238         | V        |
| 2      | * 2.4841        | 45.78                | Pk  | 32.3          | -20.9                  | 57.18                      | -                      | -           | 74                  | -16.82         | 302            | 238         | V        |
| 3      | * 2.48351       | 34.27                | RMS | 32.3          | -20.9                  | 45.67                      | 54                     | -8.33       | -                   | -              | 302            | 238         | V        |
| 4      | * 2.48354       | 34.01                | RMS | 32.3          | -20.9                  | 45.41                      | 54                     | -8.59       | -                   | -              | 302            | 238         | V        |

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

## 10.2.8. LOW POWER HDR TXBF (HDR8)

### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT



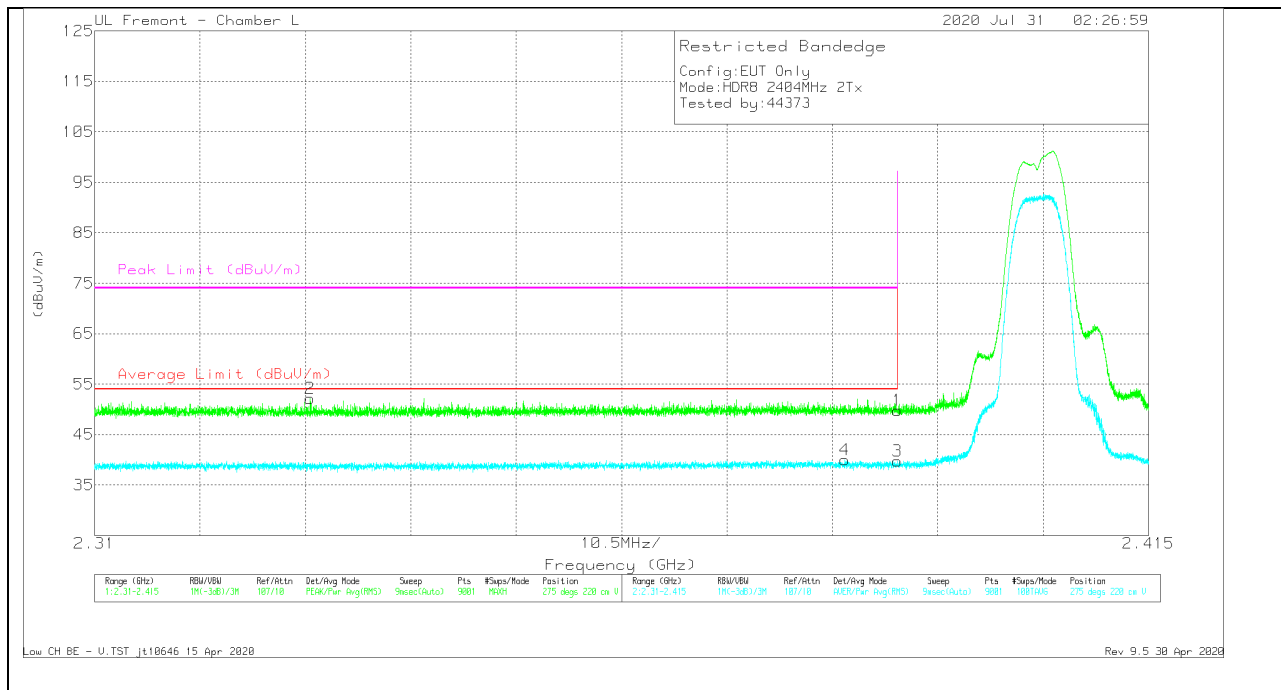
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/Cb/Filt/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.38999       | 38.57                | Pk  | 31.9          | -21.1                 | 49.37                      | -                      | -           | 74                  | -24.63         | 248            | 116         | H        |
| 2      | * 2.37608       | 41.51                | Pk  | 31.8          | -21.2                 | 52.11                      | -                      | -           | 74                  | -21.89         | 248            | 116         | H        |
| 3      | * 2.38999       | 28.37                | RMS | 31.9          | -21.1                 | 39.17                      | 54                     | -14.83      | -                   | -              | 248            | 116         | H        |
| 4      | * 2.37384       | 29.45                | RMS | 31.8          | -21.2                 | 40.05                      | 54                     | -13.95      | -                   | -              | 248            | 116         | H        |

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

Pk - Peak detector

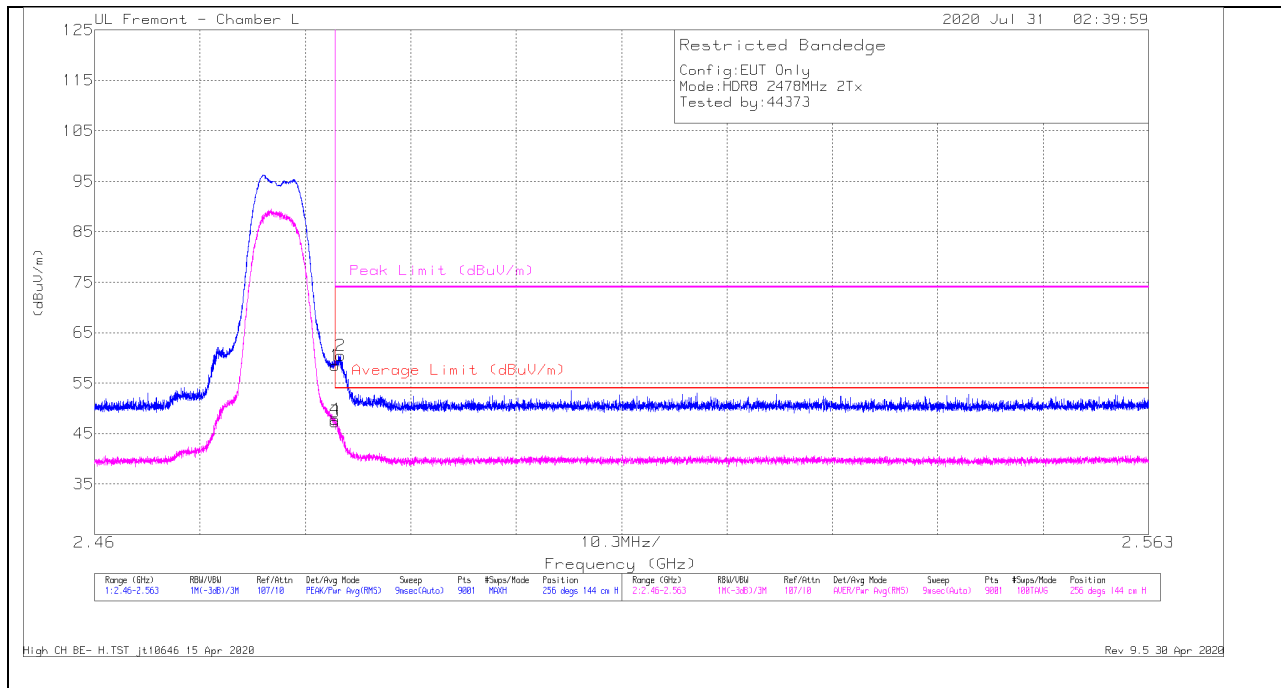
RMS - RMS detection

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/Cbl/Fitr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.38999       | 38.95                | Pk  | 31.9          | -21.1                  | 49.75                      | -                      | -           | 74                  | -24.25         | 275            | 220         | V        |
| 2      | * 2.33148       | 41.87                | Pk  | 31.6          | -21.3                  | 52.17                      | -                      | -           | 74                  | -21.83         | 275            | 220         | V        |
| 3      | * 2.38999       | 28.9                 | RMS | 31.9          | -21.1                  | 39.7                       | 54                     | -14.3       | -                   | -              | 275            | 220         | V        |
| 4      | * 2.38473       | 29.23                | RMS | 31.8          | -21.1                  | 39.93                      | 54                     | -14.07      | -                   | -              | 275            | 220         | V        |

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

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

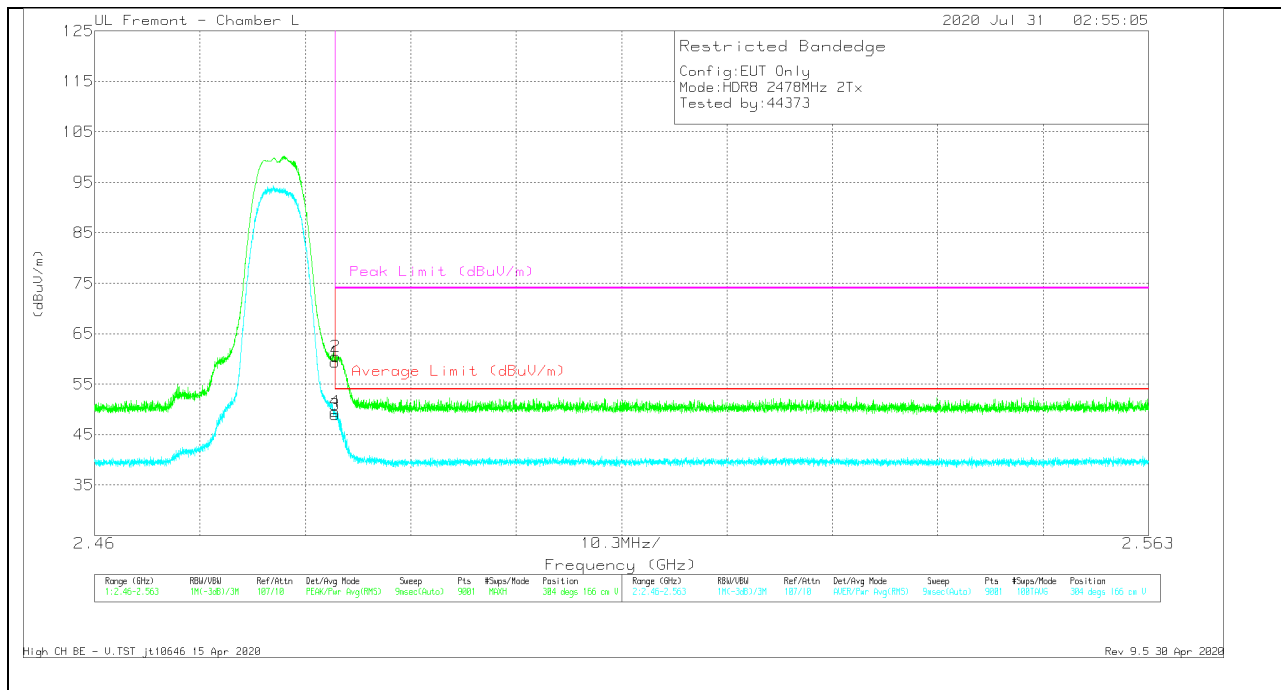
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/CbI/Filt/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 47.07                | Pk  | 32.3          | -20.9                  | 58.47                      | -                      | -           | 74                  | -15.53         | 256            | 144         | H        |
| 2      | * 2.48403       | 49.07                | Pk  | 32.3          | -20.9                  | 60.47                      | -                      | -           | 74                  | -13.53         | 256            | 144         | H        |
| 3      | * 2.48351       | 35.97                | RMS | 32.3          | -20.9                  | 47.37                      | 54                     | -6.63       | -                   | -              | 256            | 144         | H        |
| 4      | * 2.48352       | 36.44                | RMS | 32.3          | -20.9                  | 47.84                      | 54                     | -6.16       | -                   | -              | 256            | 144         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL RESULT

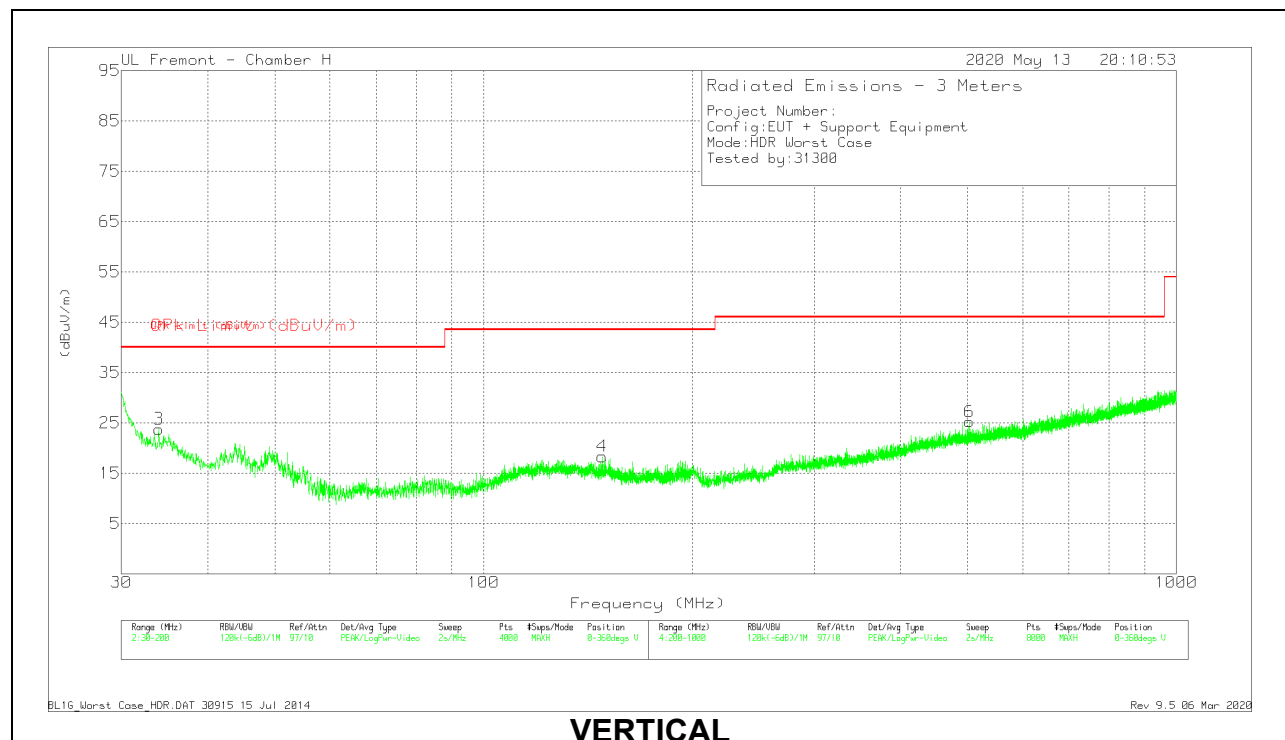
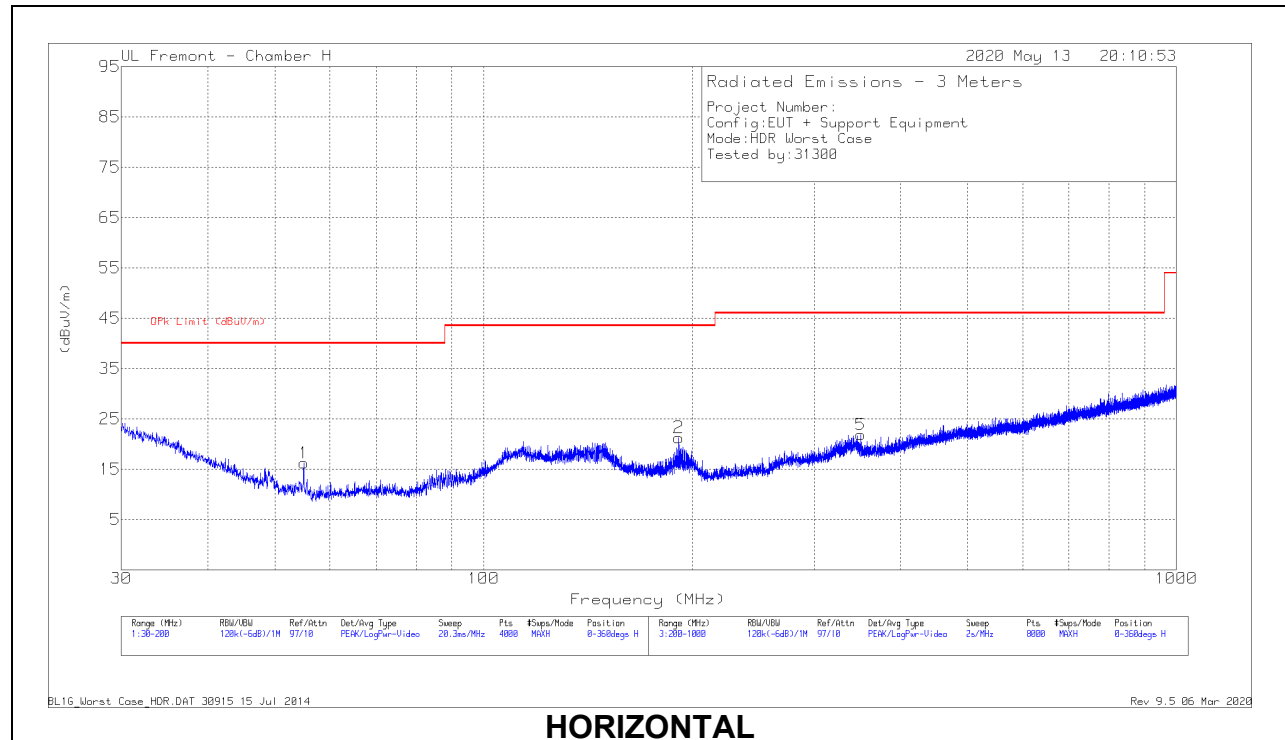


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF 344 (dB/m) | Amp/Cbl/Fitr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.48351       | 48.01                | Pk  | 32.3          | -20.9                  | 59.41                      | -                      | -           | 74                  | -14.59         | 304            | 166         | V        |
| 2      | * 2.48355       | 49.09                | Pk  | 32.3          | -20.9                  | 60.49                      | -                      | -           | 74                  | -13.51         | 304            | 166         | V        |
| 3      | * 2.48351       | 37.56                | RMS | 32.3          | -20.9                  | 48.96                      | 54                     | -5.04       | -                   | -              | 304            | 166         | V        |
| 4      | * 2.48352       | 38.1                 | RMS | 32.3          | -20.9                  | 49.5                       | 54                     | -4.5        | -                   | -              | 304            | 166         | V        |

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

### 10.3. WORST CASE BELOW 1 GHz

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



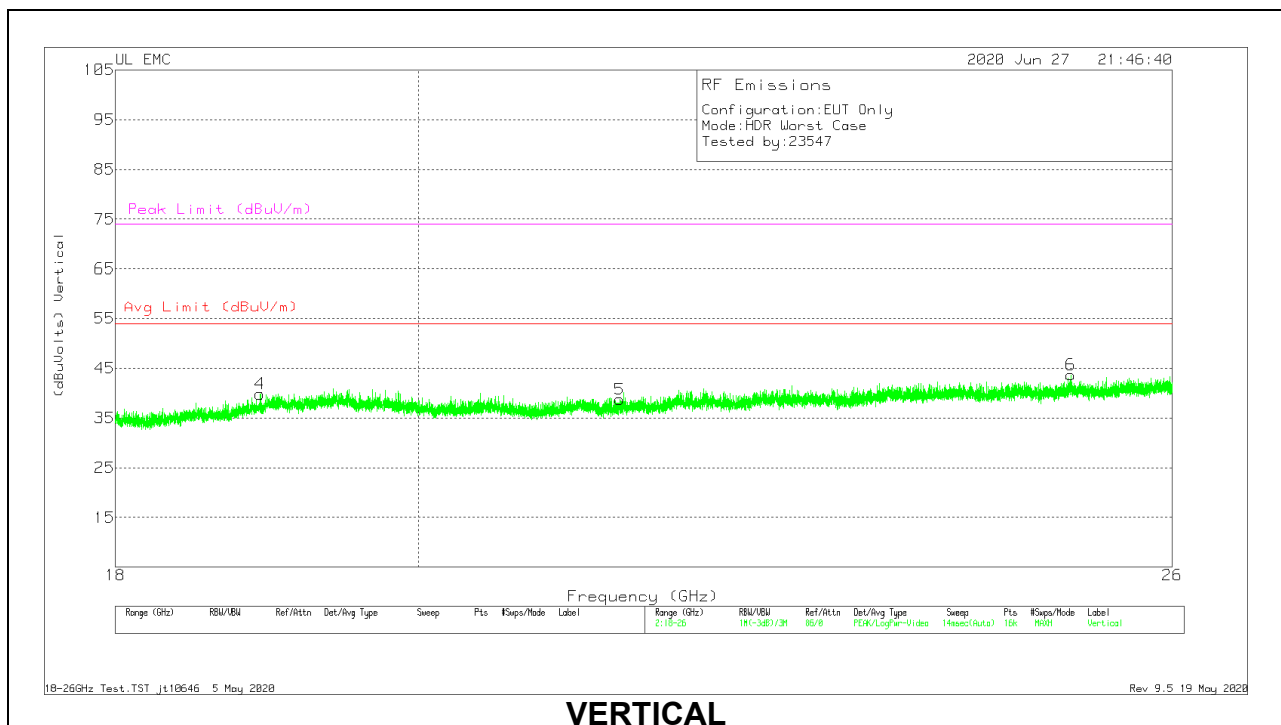
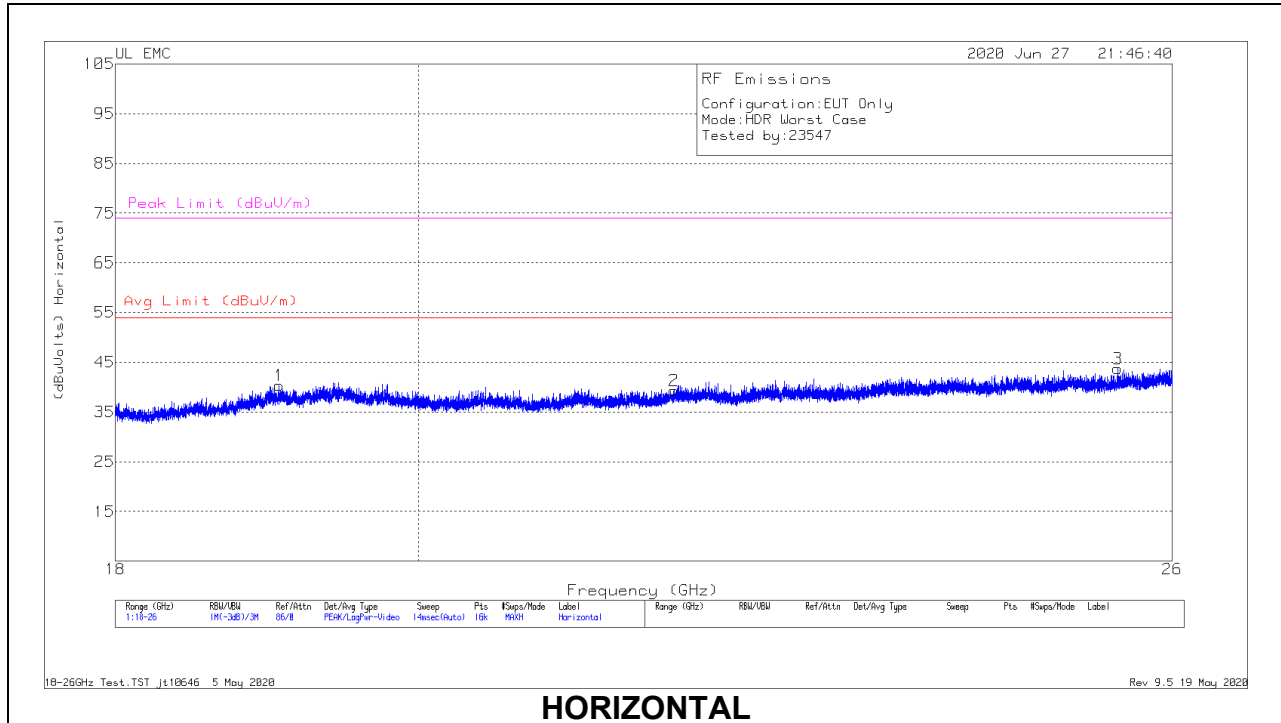
**Below 1GHz Data**

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF T900 (dB/m) | Amp/Cbl (dB) | Corrected Reading (dBuV/m) | QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|--------------|----------------------------|--------------------|-------------|----------------|-------------|----------|
| 3      | 33.996          | 30.57                | Pk  | 24.4           | -31.2        | 23.77                      | 40                 | -16.23      | 0-360          | 100         | V        |
| 1      | 55.039          | 34.32                | Pk  | 12.8           | -30.9        | 16.22                      | 40                 | -23.78      | 0-360          | 200         | H        |
| 4      | 148.3506        | 29.8                 | Pk  | 18.5           | -30          | 18.3                       | 43.52              | -25.22      | 0-360          | 100         | V        |
| 2      | 191.3718        | 33.95                | Pk  | 17             | -29.7        | 21.25                      | 43.52              | -22.27      | 0-360          | 99          | H        |
| 5      | 350.5196        | 30.35                | Pk  | 20.2           | -28.7        | 21.85                      | 46.02              | -24.17      | 0-360          | 99          | H        |
| 6      | 502.8394        | 29.62                | Pk  | 23.6           | -28          | 25.22                      | 46.02              | -20.8       | 0-360          | 300         | V        |

Pk - Peak detector

## 10.4. WORST CASE 18-26 GHz

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



**18 – 26GHz DATA**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | T125 AF (dB/m) | Amp/Cbl (dB) | Dist Corr (dB) | Corrected Reading (dBuVolts) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) |
|--------|-----------------|----------------------|-----|----------------|--------------|----------------|------------------------------|--------------------|-------------|---------------------|----------------|
| 1      | 19.05443        | 36.8                 | Pk  | 32.7           | -19.7        | -9.5           | 40.3                         | 54                 | -13.7       | 74                  | -33.7          |
| 2      | 21.86076        | 36.34                | Pk  | 33.3           | -20.8        | -9.5           | 39.34                        | 54                 | -14.66      | 74                  | -34.66         |
| 3      | 25.51053        | 38.73                | Pk  | 34.1           | -19.6        | -9.5           | 43.73                        | 54                 | -10.27      | 74                  | -30.27         |
| 4      | 18.92894        | 37.04                | Pk  | 32.5           | -20.2        | -9.5           | 39.84                        | 54                 | -14.16      | 74                  | -34.16         |
| 5      | 21.45129        | 36.24                | Pk  | 33.2           | -21.2        | -9.5           | 38.74                        | 54                 | -15.26      | 74                  | -35.26         |
| 6      | 25.09656        | 37.96                | Pk  | 34.3           | -19.1        | -9.5           | 43.66                        | 54                 | -10.34      | 74                  | -30.34         |

Pk - Peak detector

## 11. AC POWER LINE CONDUCTED EMISSIONS

### LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

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

\*Decreases with the logarithm of the frequency.

### TEST PROCEDURE

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

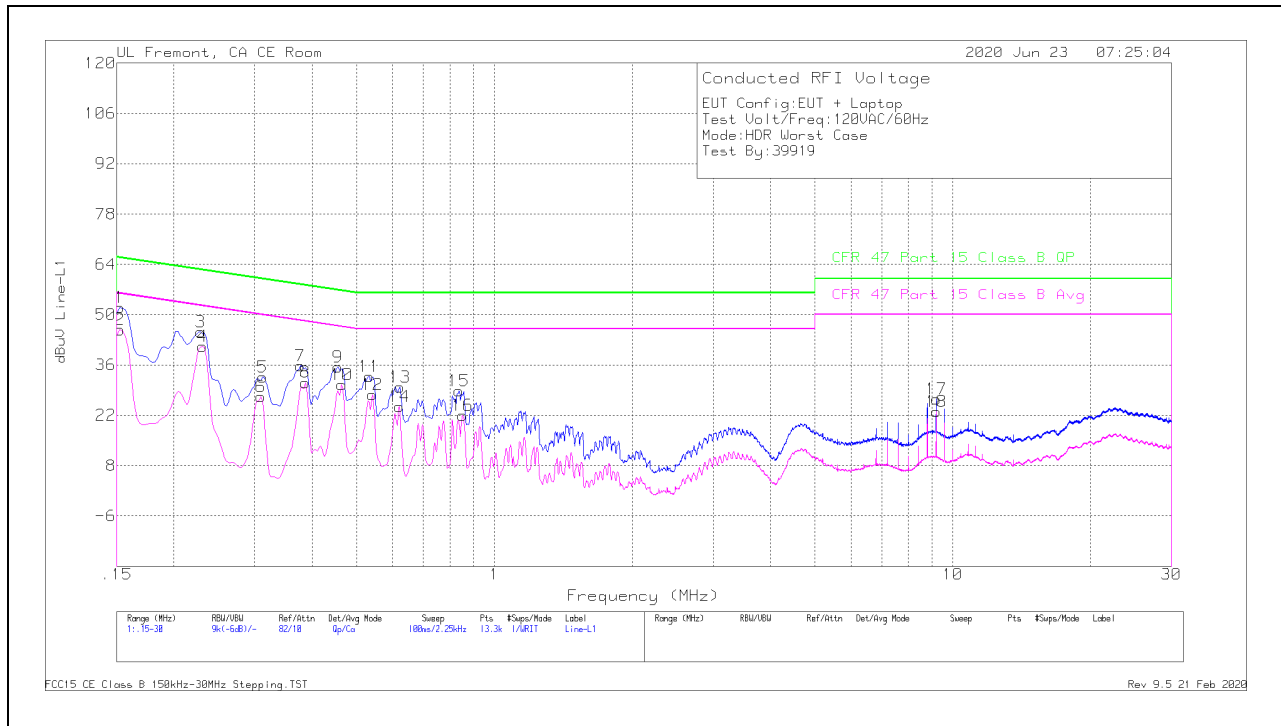
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

### RESULTS

# 11.1. AC Power Line Host

## LINE 1 RESULTS

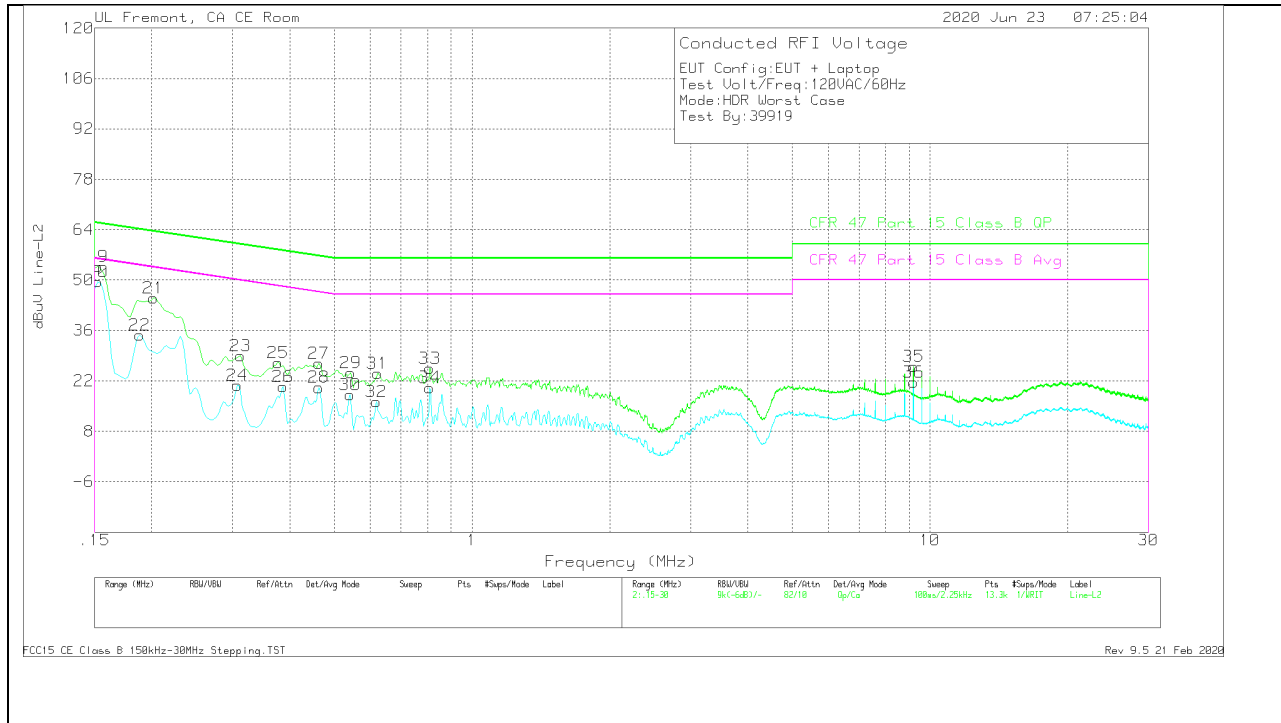


| Range 1: Line-L1 .15 - 30MHz |                 |                      |     |                     |                 |              |                        |                           |                |                            |                       |
|------------------------------|-----------------|----------------------|-----|---------------------|-----------------|--------------|------------------------|---------------------------|----------------|----------------------------|-----------------------|
| Marker                       | Frequency (MHz) | Meter Reading (dBuV) | Det | PRE018644 6 LISN L1 | LC Cables C1&C3 | Limiter (dB) | Corrected Reading dBuV | CFR 47 Part 15 Class B QP | QP Margin (dB) | CFR 47 Part 15 Class B Avg | Av(CISPR)M argin (dB) |
| 1                            | .15225          | 41.86                | Qp  | .1                  | 0               | 10           | 51.96                  | 65.88                     | -13.92         | -                          | -                     |
| 2                            | .15225          | 35.71                | Ca  | .1                  | 0               | 10           | 45.81                  | -                         | -              | 55.88                      | -10.07                |
| 3                            | .22875          | 35.25                | Qp  | 0                   | 0               | 10           | 45.25                  | 62.49                     | -17.24         | -                          | -                     |
| 4                            | .231            | 31.15                | Ca  | 0                   | 0               | 10           | 41.15                  | -                         | -              | 52.41                      | -11.26                |
| 5                            | .312            | 22.66                | Qp  | 0                   | 0               | 10           | 32.66                  | 59.92                     | -27.26         | -                          | -                     |
| 6                            | .30975          | 17.15                | Ca  | 0                   | 0               | 10           | 27.15                  | -                         | -              | 49.98                      | -22.83                |
| 7                            | .37725          | 25.81                | Qp  | 0                   | 0               | 10           | 35.81                  | 58.34                     | -22.53         | -                          | -                     |
| 8                            | .38625          | 21.15                | Ca  | 0                   | 0               | 10           | 31.15                  | -                         | -              | 48.14                      | -16.99                |
| 9                            | .456            | 25.36                | Qp  | 0                   | 0               | 10           | 35.36                  | 56.77                     | -21.41         | -                          | -                     |
| 10                           | .465            | 20.5                 | Ca  | 0                   | 0               | 10           | 30.5                   | -                         | -              | 46.6                       | -16.1                 |
| 11                           | .5325           | 22.85                | Qp  | 0                   | 0               | 10           | 32.85                  | 56                        | -23.15         | -                          | -                     |
| 12                           | .5415           | 17.8                 | Ca  | 0                   | 0               | 10           | 27.8                   | -                         | -              | 46                         | -18.2                 |
| 13                           | .6225           | 19.85                | Qp  | 0                   | 0               | 10           | 29.85                  | 56                        | -26.15         | -                          | -                     |
| 14                           | .62025          | 14.42                | Ca  | 0                   | 0               | 10           | 24.42                  | -                         | -              | 46                         | -21.58                |
| 15                           | .83625          | 18.78                | Qp  | 0                   | 0               | 10           | 28.78                  | 56                        | -27.22         | -                          | -                     |
| 16                           | .852            | 12.02                | Ca  | 0                   | 0               | 10           | 22.02                  | -                         | -              | 46                         | -23.98                |
| 17                           | 9.20175         | 16.25                | Qp  | 0                   | .2              | 10.1         | 26.55                  | 60                        | -33.45         | -                          | -                     |
| 18                           | 9.20175         | 12.68                | Ca  | 0                   | .2              | 10.1         | 22.98                  | -                         | -              | 50                         | -27.02                |

Qp - Quasi-Peak detector

Ca - CISPR average detection

## LINE 2 RESULTS



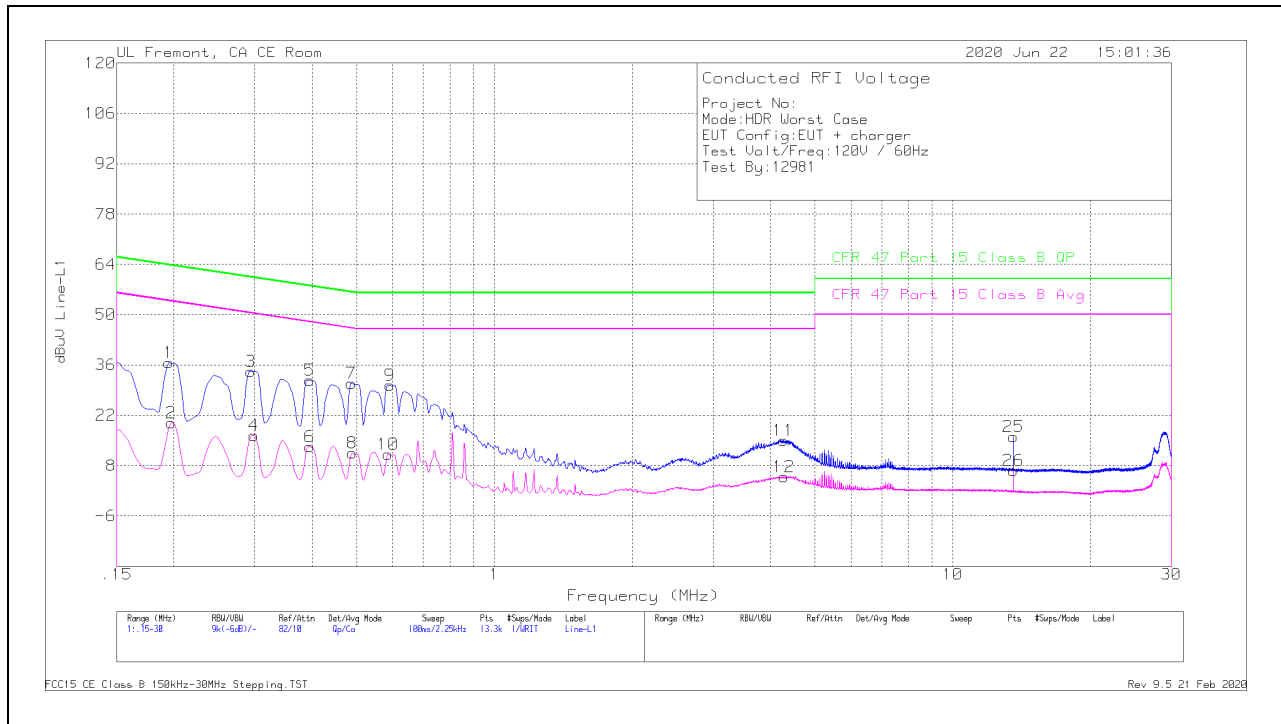
| Range 2: Line-L2 .15 - 30MHz |                 |                      |     |                     |                 |              |                        |                           |                |                            |                       |
|------------------------------|-----------------|----------------------|-----|---------------------|-----------------|--------------|------------------------|---------------------------|----------------|----------------------------|-----------------------|
| Marker                       | Frequency (MHz) | Meter Reading (dBuV) | Det | PRE018644 6 LISN L2 | LC Cables C2&C3 | Limiter (dB) | Corrected Reading dBuV | CFR 47 Part 15 Class B QP | QP Margin (dB) | CFR 47 Part 15 Class B Avg | Av(CISPR)M argin (dB) |
| 19                           | .15225          | 43.69                | Qp  | 0                   | 0               | 10           | 53.69                  | 65.88                     | -12.19         | -                          | -                     |
| 20                           | .15225          | 39.53                | Ca  | 0                   | 0               | 10           | 49.53                  | -                         | -              | 55.88                      | -6.35                 |
| 21                           | .20175          | 35.02                | Qp  | 0                   | 0               | 10           | 45.02                  | 63.54                     | -18.52         | -                          | -                     |
| 22                           | .18825          | 24.7                 | Ca  | 0                   | 0               | 10           | 34.7                   | -                         | -              | 54.11                      | -19.41                |
| 23                           | .312            | 18.93                | Qp  | 0                   | 0               | 10           | 28.93                  | 59.92                     | -30.99         | -                          | -                     |
| 24                           | .3075           | 10.78                | Ca  | 0                   | 0               | 10           | 20.78                  | -                         | -              | 50.04                      | -29.26                |
| 25                           | .37725          | 17.11                | Qp  | 0                   | 0               | 10           | 27.11                  | 58.34                     | -31.23         | -                          | -                     |
| 26                           | .38625          | 10.36                | Ca  | 0                   | 0               | 10           | 20.36                  | -                         | -              | 48.14                      | -27.78                |
| 27                           | .46275          | 16.92                | Qp  | 0                   | 0               | 10           | 26.92                  | 56.64                     | -29.72         | -                          | -                     |
| 28                           | .46275          | 10.16                | Ca  | 0                   | 0               | 10           | 20.16                  | -                         | -              | 46.64                      | -26.48                |
| 29                           | .54375          | 14.23                | Qp  | 0                   | 0               | 10           | 24.23                  | 56                        | -31.77         | -                          | -                     |
| 30                           | .5415           | 8.12                 | Ca  | 0                   | 0               | 10           | 18.12                  | -                         | -              | 46                         | -27.88                |
| 31                           | .6225           | 14.09                | Qp  | 0                   | 0               | 10           | 24.09                  | 56                        | -31.91         | -                          | -                     |
| 32                           | .618            | 6.3                  | Ca  | 0                   | 0               | 10           | 16.3                   | -                         | -              | 46                         | -29.7                 |
| 33                           | .80925          | 15.52                | Qp  | 0                   | 0               | 10           | 25.52                  | 56                        | -30.48         | -                          | -                     |
| 34                           | .80925          | 10.15                | Ca  | 0                   | 0               | 10           | 20.15                  | -                         | -              | 46                         | -25.85                |
| 35                           | 9.1995          | 15.76                | Qp  | 0                   | .2              | 10.1         | 26.06                  | 60                        | -33.94         | -                          | -                     |
| 36                           | 9.1995          | 11.4                 | Ca  | 0                   | .2              | 10.1         | 21.7                   | -                         | -              | 50                         | -28.3                 |

Qp - Quasi-Peak detector

Ca - CISPR average detection

## 11.2. AC Power Line Norm

### LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz

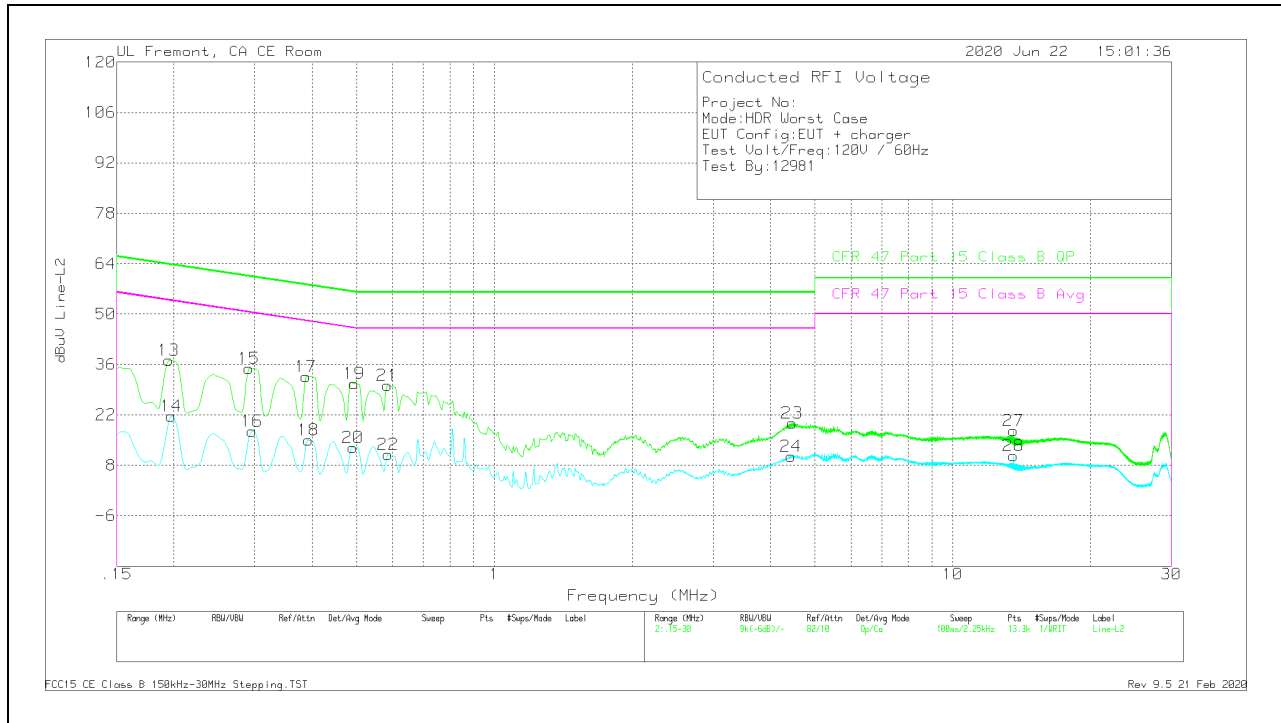
| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | PRE0186446 LISN L1 | LC Cables C1&C3 | Limiter (dB) | Corrected Reading dBuV | CFR 47 Part 15 Class B QP | QP Margin (dB) | CFR 47 Part 15 Class B Avg | Av(CISPR) Margin (dB) |
|--------|-----------------|----------------------|-----|--------------------|-----------------|--------------|------------------------|---------------------------|----------------|----------------------------|-----------------------|
| 1      | .195            | 26.62                | Qp  | 0                  | 0               | 10           | 36.62                  | 63.82                     | -27.2          | -                          | -                     |
| 2      | .19725          | 9.97                 | Ca  | 0                  | 0               | 10           | 19.97                  | -                         | -              | 53.73                      | -33.76                |
| 3      | .294            | 24.24                | Qp  | 0                  | 0               | 10           | 34.24                  | 60.41                     | -26.17         | -                          | -                     |
| 4      | .2985           | 6.47                 | Ca  | 0                  | 0               | 10           | 16.47                  | -                         | -              | 50.28                      | -33.81                |
| 5      | .39525          | 21.71                | Qp  | 0                  | 0               | 10           | 31.71                  | 57.95                     | -26.24         | -                          | -                     |
| 6      | .39525          | 3.21                 | Ca  | 0                  | 0               | 10           | 13.21                  | -                         | -              | 47.95                      | -34.74                |
| 7      | .4875           | 20.92                | Qp  | 0                  | 0               | 10           | 30.92                  | 56.21                     | -25.29         | -                          | -                     |
| 8      | .48975          | 1.51                 | Ca  | 0                  | 0               | 10           | 11.51                  | -                         | -              | 46.17                      | -34.66                |
| 9      | .591            | 20.32                | Qp  | 0                  | 0               | 10           | 30.32                  | 56                        | -25.68         | -                          | -                     |
| 10     | .5865           | 1.21                 | Ca  | 0                  | 0               | 10           | 11.21                  | -                         | -              | 46                         | -34.79                |
| 11     | 4.2765          | 4.77                 | Qp  | 0                  | .1              | 10.1         | 14.97                  | 56                        | -41.03         | -                          | -                     |
| 12     | 4.27988         | -5.34                | Ca  | 0                  | .1              | 10.1         | 4.86                   | -                         | -              | 46                         | -41.14                |
| *25    | 13.56           | 5.73                 | Qp  | .1                 | .2              | 10.1         | 16.13                  | 60                        | -43.87         | -                          | -                     |
| *26    | 13.56           | -3.75                | Ca  | .1                 | .2              | 10.1         | 6.65                   | -                         | -              | 50                         | -43.35                |

Qp - Quasi-Peak detector

Ca - CISPR average detection

\*Indicates UL RFID signal. Not from device.

## LINE 2 RESULTS



| Range 2: Line-L2 .15 - 30MHz |                 |                      |     |                    |                 |              |                        |                           |                |                            |                       |
|------------------------------|-----------------|----------------------|-----|--------------------|-----------------|--------------|------------------------|---------------------------|----------------|----------------------------|-----------------------|
| Marker                       | Frequency (MHz) | Meter Reading (dBuV) | Det | PRE0186446 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)M argin (dB) |
| 13                           | .195            | 27.19                | Qp  | 0                  | 0               | 10           | 37.19                  | 63.82                     | -26.63         | -                          | -                     |
| 14                           | .19725          | 11.56                | Ca  | 0                  | 0               | 10           | 21.56                  | -                         | -              | 53.73                      | -32.17                |
| 15                           | .29175          | 24.86                | Qp  | 0                  | 0               | 10           | 34.86                  | 60.47                     | -25.61         | -                          | -                     |
| 16                           | .29625          | 7.41                 | Ca  | 0                  | 0               | 10           | 17.41                  | -                         | -              | 50.35                      | -32.94                |
| 17                           | .3885           | 22.7                 | Qp  | 0                  | 0               | 10           | 32.7                   | 58.1                      | -25.4          | -                          | -                     |
| 18                           | .393            | 5.06                 | Ca  | 0                  | 0               | 10           | 15.06                  | -                         | -              | 48                         | -32.94                |
| 19                           | .49425          | 20.78                | Qp  | 0                  | 0               | 10           | 30.78                  | 56.1                      | -25.32         | -                          | -                     |
| 20                           | .492            | 2.99                 | Ca  | 0                  | 0               | 10           | 12.99                  | -                         | -              | 46.13                      | -33.14                |
| 21                           | .58425          | 20.12                | Qp  | 0                  | 0               | 10           | 30.12                  | 56                        | -25.88         | -                          | -                     |
| 22                           | .5865           | .97                  | Ca  | 0                  | 0               | 10           | 10.97                  | -                         | -              | 46                         | -35.03                |
| 23                           | 4.45875         | 9.52                 | Qp  | 0                  | .1              | 10.1         | 19.72                  | 56                        | -36.28         | -                          | -                     |
| 24                           | 4.443           | .34                  | Ca  | 0                  | .1              | 10.1         | 10.54                  | -                         | -              | 46                         | -35.46                |
| *27                          | 13.56           | 7.21                 | Qp  | .1                 | .2              | 10.1         | 17.61                  | 60                        | -42.39         | -                          | -                     |
| *28                          | 13.56           | .22                  | Ca  | .1                 | .2              | 10.1         | 10.62                  | -                         | -              | 50                         | -39.38                |

Qp - Quasi-Peak detector

Ca - CISPR average detection

\*Indicates UL RFID signal. Not from device.

## **12. SETUP PHOTOS**

Please refer to 13179116-EP1V1 for setup photos

## **END OF TEST REPORT**

## END OF TEST REPORT