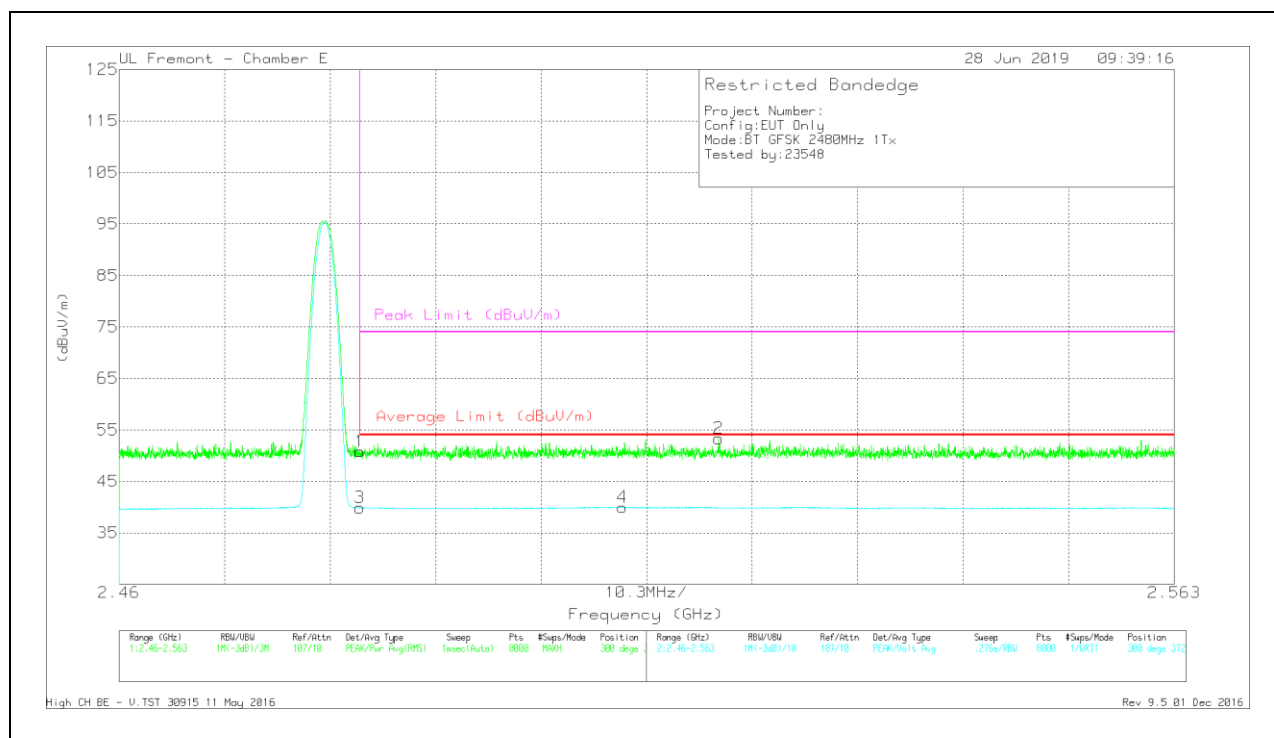


## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AFT119 (dB/m) | Amp/Cbl/Ftr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|---------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 44.29                | Pk   | 32.8          | -26.3                 | 50.79                      | -                      | -           | 74                  | -23.21         | 300            | 372         | V        |
| 3      | * 2.484         | 33.39                | VA1T | 32.8          | -26.3                 | 39.89                      | 54                     | -14.11      | -                   | -              | 300            | 372         | V        |
| 4      | 2.509           | 33.27                | VA1T | 32.9          | -26.2                 | 39.97                      | 54                     | -14.03      | -                   | -              | 300            | 372         | V        |
| 2      | 2.519           | 46.63                | Pk   | 32.9          | -26.2                 | 53.33                      | -                      | -           | 74                  | -20.67         | 300            | 372         | V        |

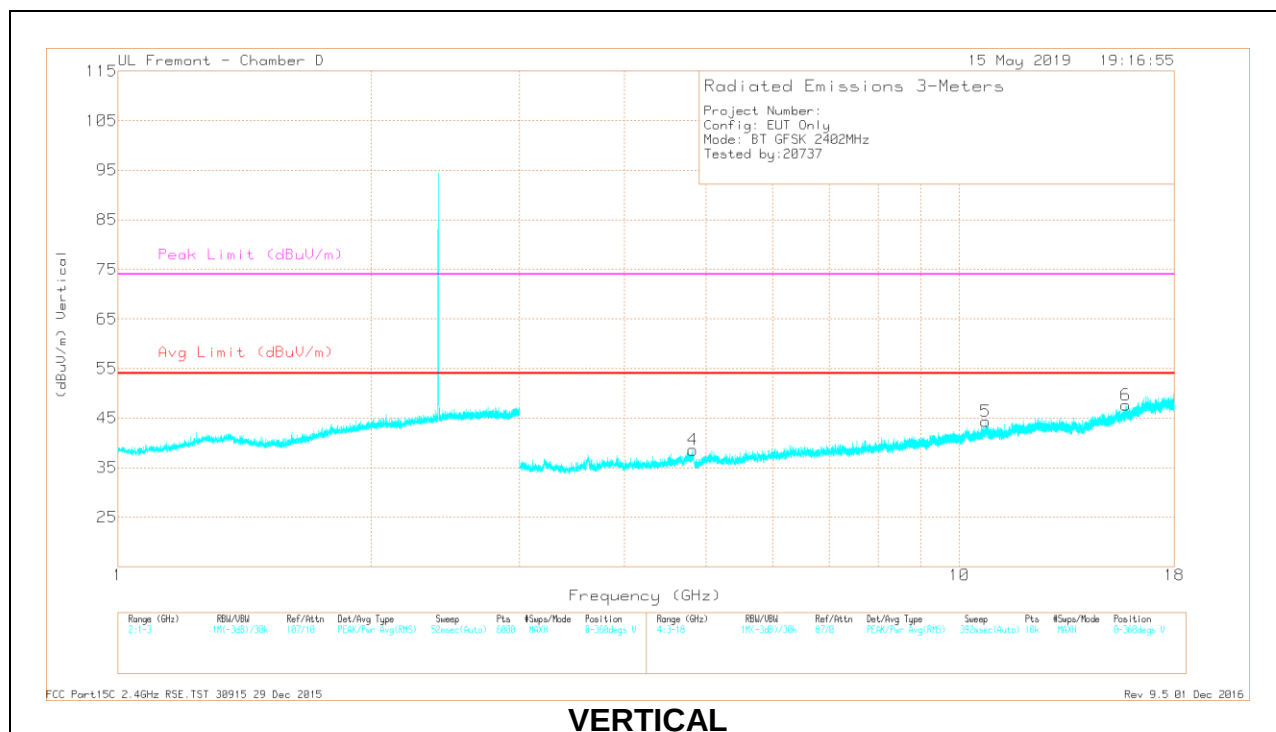
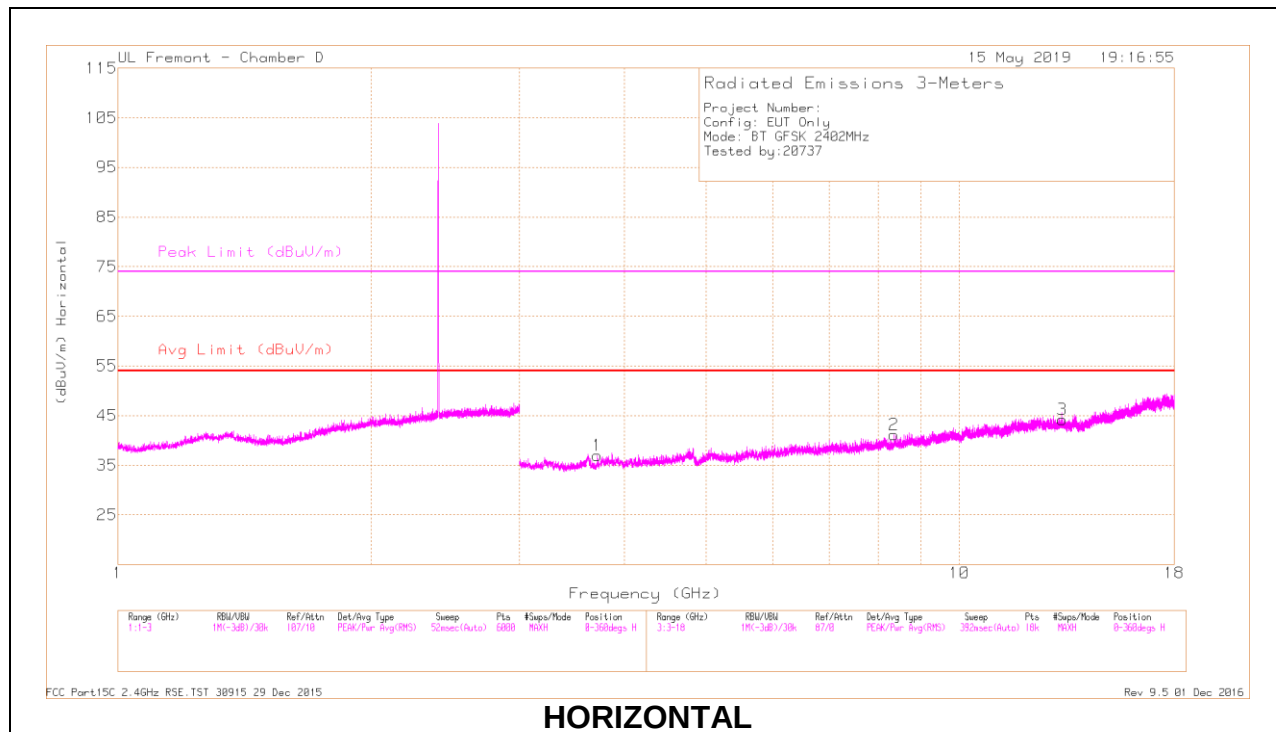
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average  $V_B = 1/T_{on}$  where:  $T_{on}$  is transmit duration

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



## RADIATED EMISSIONS

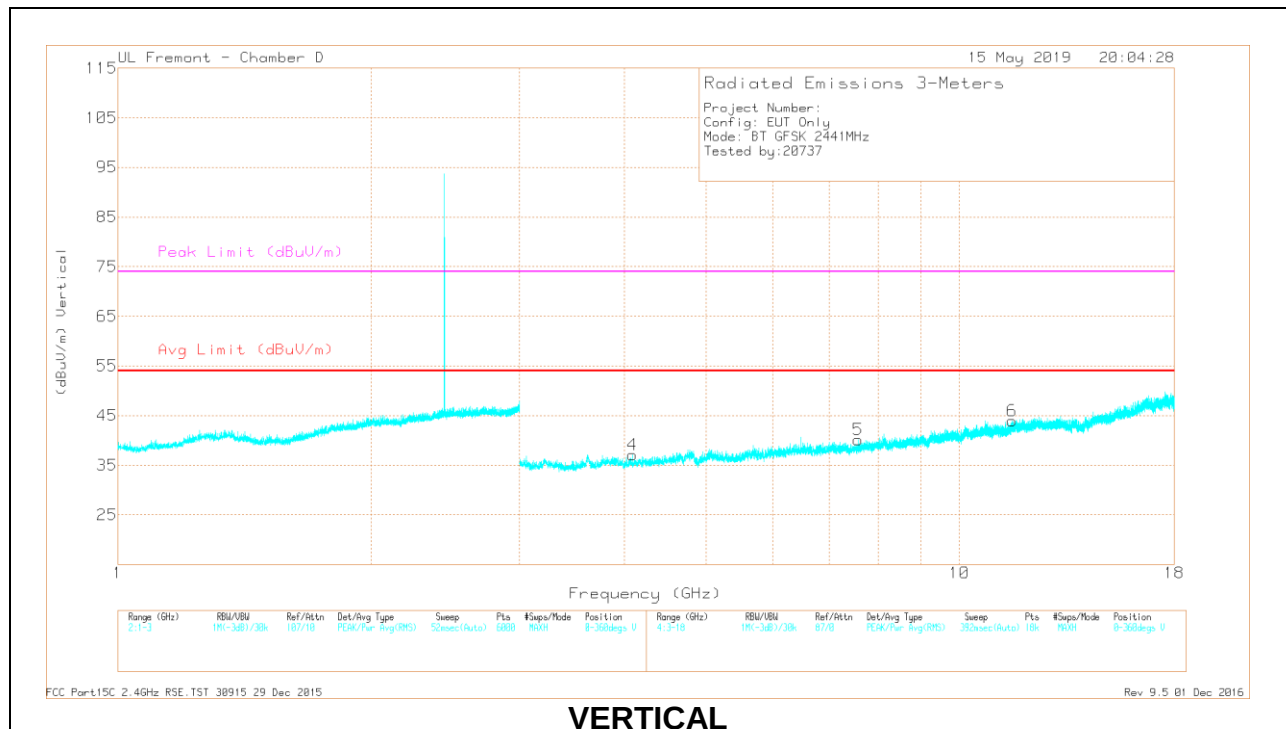
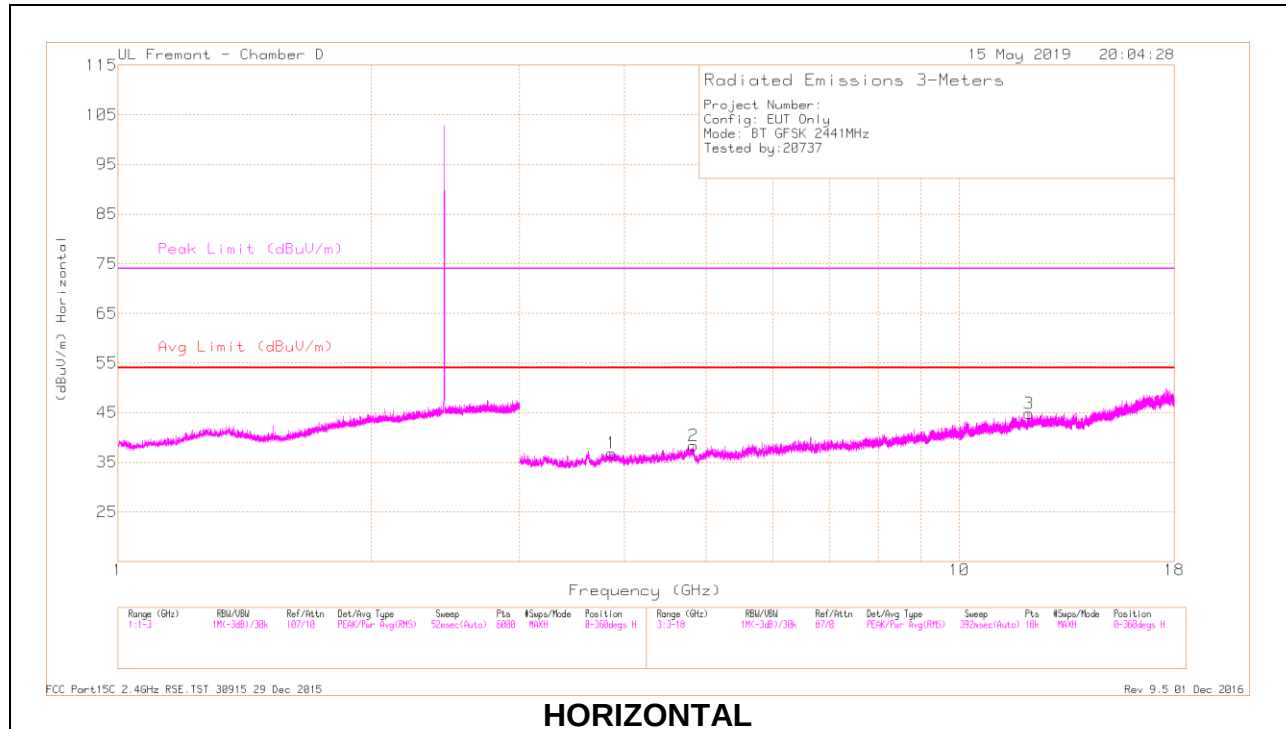
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 3.715         | 38.57                | PKFH | 33             | -28.6                  | 42.97                      | -                  | -           | 74                  | -31.03         | 360            | 153         | H        |
|        | * 3.717         | 26.25                | VA1T | 33             | -28.5                  | 30.75                      | 54                 | -23.25      | -                   | -              | 360            | 153         | H        |
| 2      | * 8.353         | 34.6                 | PKFH | 35.8           | -23.4                  | 47                         | -                  | -           | 74                  | -27            | 319            | 194         | H        |
|        | * 8.354         | 21.02                | VA1T | 35.8           | -23.4                  | 33.42                      | 54                 | -20.58      | -                   | -              | 319            | 194         | H        |
| 3      | * 13.261        | 35.27                | PKFH | 39             | -22.9                  | 51.37                      | -                  | -           | 74                  | -22.63         | 189            | 201         | H        |
|        | * 13.258        | 21.08                | VA1T | 39             | -23                    | 37.08                      | 54                 | -16.92      | -                   | -              | 189            | 201         | H        |
| 4      | * 4.821         | 37.32                | PKFH | 34             | -27.1                  | 44.22                      | -                  | -           | 74                  | -29.78         | 253            | 168         | V        |
|        | * 4.822         | 25.37                | VA1T | 34             | -27.2                  | 32.17                      | 54                 | -21.83      | -                   | -              | 253            | 168         | V        |
| 5      | * 10.745        | 33.78                | PKFH | 37.8           | -21.1                  | 50.48                      | -                  | -           | 74                  | -23.52         | 184            | 234         | V        |
|        | * 10.746        | 17.75                | VA1T | 37.8           | -21.1                  | 34.45                      | 54                 | -19.55      | -                   | -              | 184            | 234         | V        |
| 6      | * 15.77         | 33.8                 | PKFH | 40.2           | -20.7                  | 53.3                       | -                  | -           | 74                  | -20.7          | 145            | 183         | V        |
|        | * 15.771        | 19.14                | VA1T | 40.2           | -20.7                  | 38.64                      | 54                 | -15.36      | -                   | -              | 145            | 183         | V        |

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

## MID CHANNEL RESULTS



## RADIATED EMISSIONS

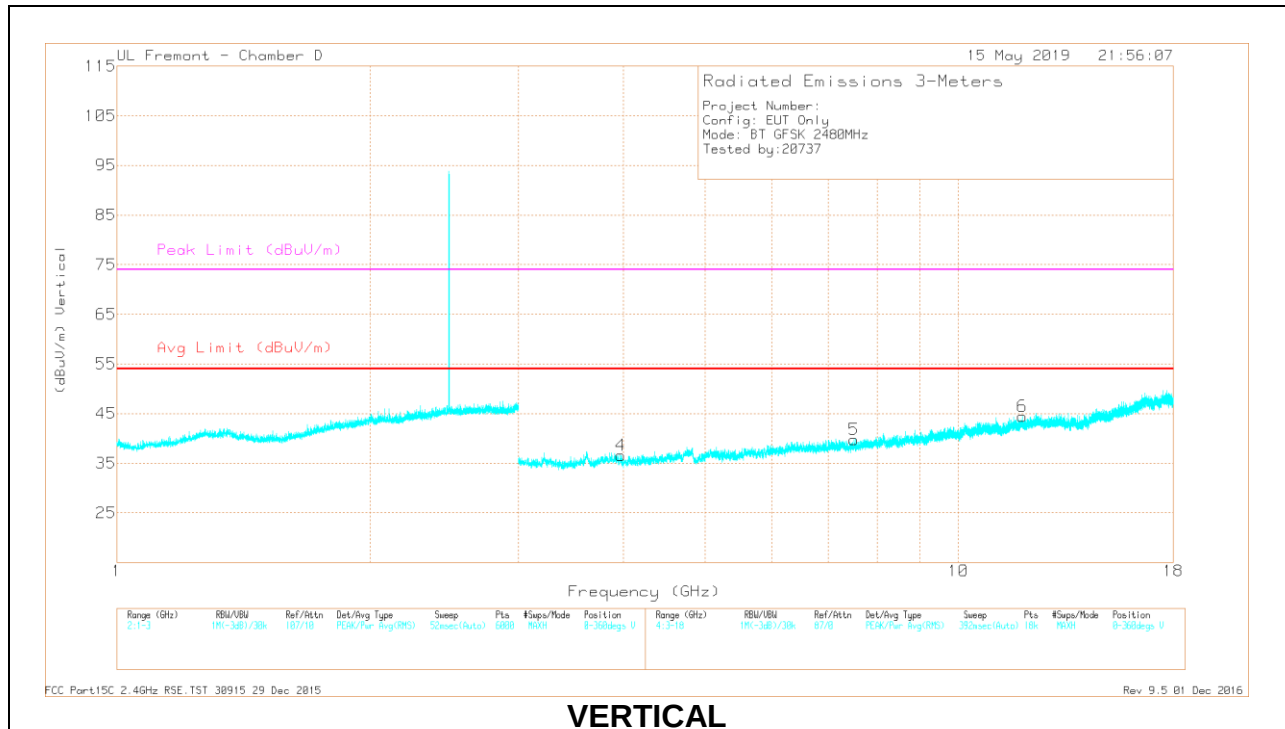
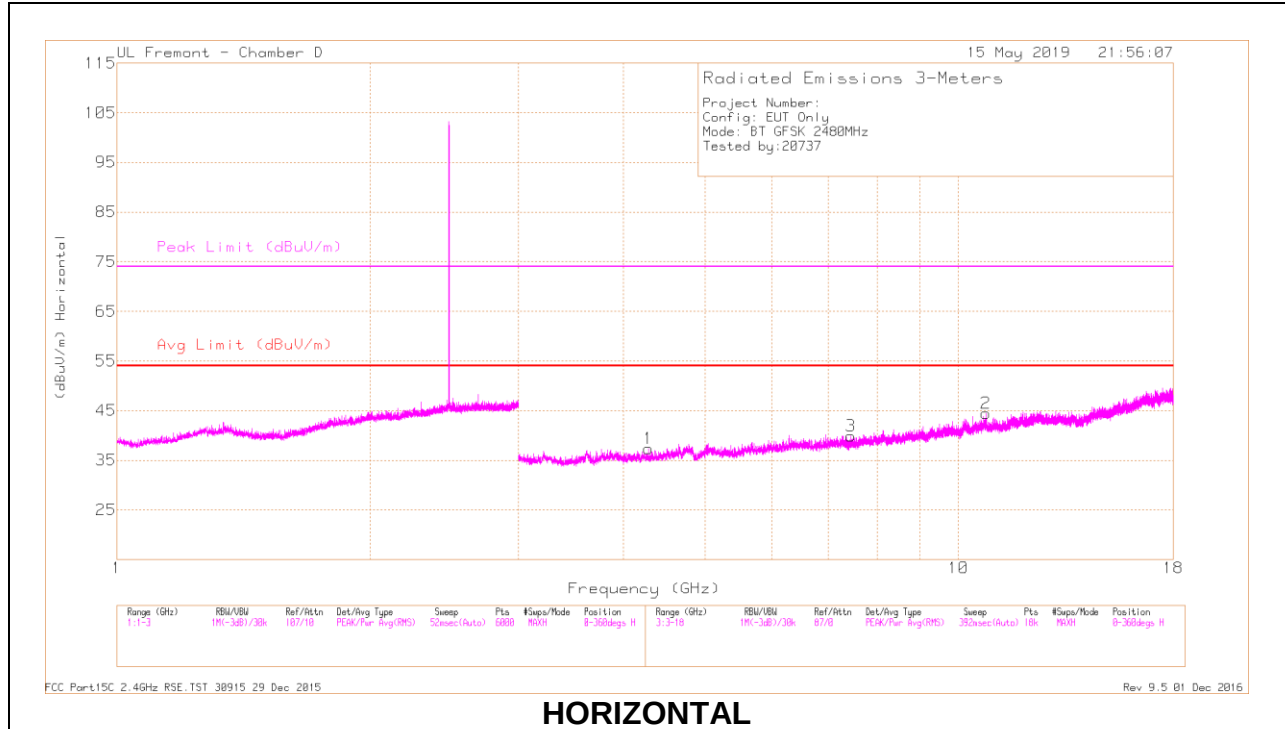
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 3.866         | 39.62                | PKFH | 33.3           | -28.2                  | 44.72                      | -                  | -           | 74                  | -29.28         | 79             | 146         | H        |
|        | * 3.864         | 26.16                | VA1T | 33.3           | -28.2                  | 31.26                      | 54                 | -22.74      | -                   | -              | 79             | 146         | H        |
| 2      | * 4.832         | 37.91                | PKFH | 34             | -27.3                  | 44.61                      | -                  | -           | 74                  | -29.39         | 158            | 191         | H        |
|        | * 4.832         | 25.32                | VA1T | 34             | -27.3                  | 32.02                      | 54                 | -21.98      | -                   | -              | 158            | 191         | H        |
| 3      | * 12.103        | 33.72                | PKFH | 38.7           | -21.9                  | 50.52                      | -                  | -           | 74                  | -23.48         | 232            | 280         | H        |
|        | * 12.103        | 19                   | VA1T | 38.7           | -21.9                  | 35.8                       | 54                 | -18.2       | -                   | -              | 232            | 280         | H        |
| 4      | * 4.087         | 36.82                | PKFH | 33.4           | -27.9                  | 42.32                      | -                  | -           | 74                  | -31.68         | 299            | 263         | V        |
|        | * 4.09          | 24.87                | VA1T | 33.5           | -27.9                  | 30.47                      | 54                 | -23.53      | -                   | -              | 299            | 263         | V        |
| 5      | * 7.579         | 34.97                | PKFH | 35.5           | -25.1                  | 45.37                      | -                  | -           | 74                  | -28.63         | 328            | 131         | V        |
|        | * 7.578         | 22.01                | VA1T | 35.5           | -25.1                  | 32.41                      | 54                 | -21.59      | -                   | -              | 328            | 131         | V        |
| 6      | * 11.549        | 33.64                | PKFH | 38.2           | -21.2                  | 50.64                      | -                  | -           | 74                  | -23.36         | 177            | 127         | V        |
|        | * 11.549        | 18.42                | VA1T | 38.2           | -21.2                  | 35.42                      | 54                 | -18.58      | -                   | -              | 177            | 127         | V        |

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

## HIGH CHANNEL RESULTS



## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 4.284         | 38.09                | PKFH | 33.4           | -27.8                  | 43.69                      | -                  | -           | 74                  | -30.31         | 48             | 179         | H        |
|        | * 4.286         | 25.02                | VA1T | 33.4           | -27.8                  | 30.62                      | 54                 | -23.38      | -                   | -              | 48             | 179         | H        |
| 2      | * 10.773        | 32.98                | PKFH | 37.9           | -20.8                  | 50.08                      | -                  | -           | 74                  | -23.92         | 125            | 146         | H        |
|        | * 10.773        | 17.67                | VA1T | 37.9           | -20.8                  | 34.77                      | 54                 | -19.23      | -                   | -              | 125            | 146         | H        |
| 3      | * 7.454         | 35.44                | PKFH | 35.5           | -24.8                  | 46.14                      | -                  | -           | 74                  | -27.86         | 174            | 227         | H        |
|        | * 7.454         | 21.49                | VA1T | 35.5           | -24.8                  | 32.19                      | 54                 | -21.81      | -                   | -              | 174            | 227         | H        |
| 4      | * 3.97          | 38.49                | PKFH | 33.4           | -28.2                  | 43.69                      | -                  | -           | 74                  | -30.31         | 218            | 247         | V        |
|        | * 3.97          | 25.54                | VA1T | 33.4           | -28.2                  | 30.74                      | 54                 | -23.26      | -                   | -              | 218            | 247         | V        |
| 5      | * 7.518         | 36.71                | PKFH | 35.5           | -25                    | 47.21                      | -                  | -           | 74                  | -26.79         | 293            | 258         | V        |
|        | * 7.519         | 22.07                | VA1T | 35.5           | -25                    | 32.57                      | 54                 | -21.43      | -                   | -              | 293            | 258         | V        |
| 6      | * 11.901        | 32.8                 | PKFH | 38.6           | -21.1                  | 50.3                       | -                  | -           | 74                  | -23.7          | 334            | 169         | V        |
|        | * 11.904        | 18.8                 | VA1T | 38.6           | -21.2                  | 36.2                       | 54                 | -17.8       | -                   | -              | 334            | 169         | V        |

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

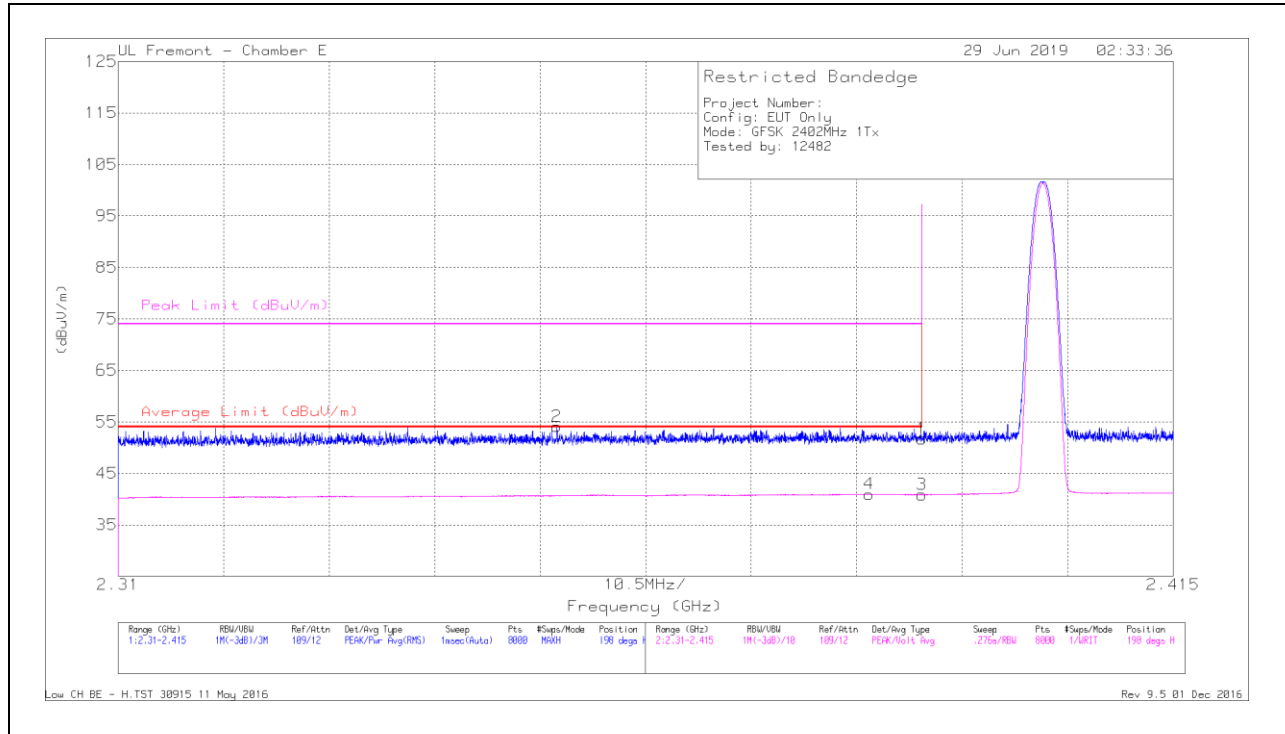
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

## 9.1.6. ANTENNA 3, LOW POWER BASIC DATA RATE GFSK MODULATION

### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T119 (dB/m) | Amp/Cbl/Filtr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 37.75                | Pk   | 32.3           | -18.3                   | 51.75                      | -                      | -           | 74                  | -22.25         | 198            | 336         | H        |
| 2      | * 2.354         | 40.28                | Pk   | 32             | -18.2                   | 54.08                      | -                      | -           | 74                  | -19.92         | 198            | 336         | H        |
| 3      | * 2.39          | 26.88                | VA1T | 32.3           | -18.3                   | 40.88                      | 54                     | -13.12      | -                   | -              | 198            | 336         | H        |
| 4      | * 2.385         | 26.88                | VA1T | 32.3           | -18.2                   | 40.98                      | 54                     | -13.02      | -                   | -              | 198            | 336         | H        |

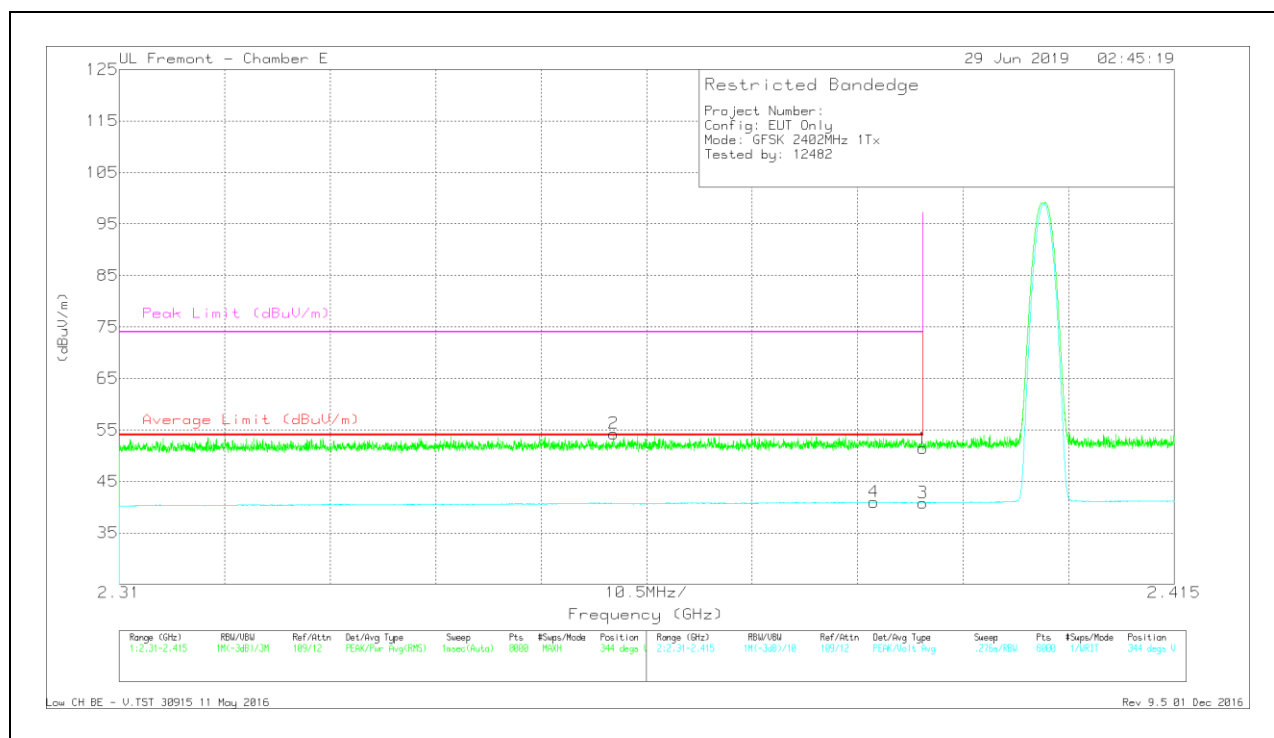
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration



## VERTICAL RESULT

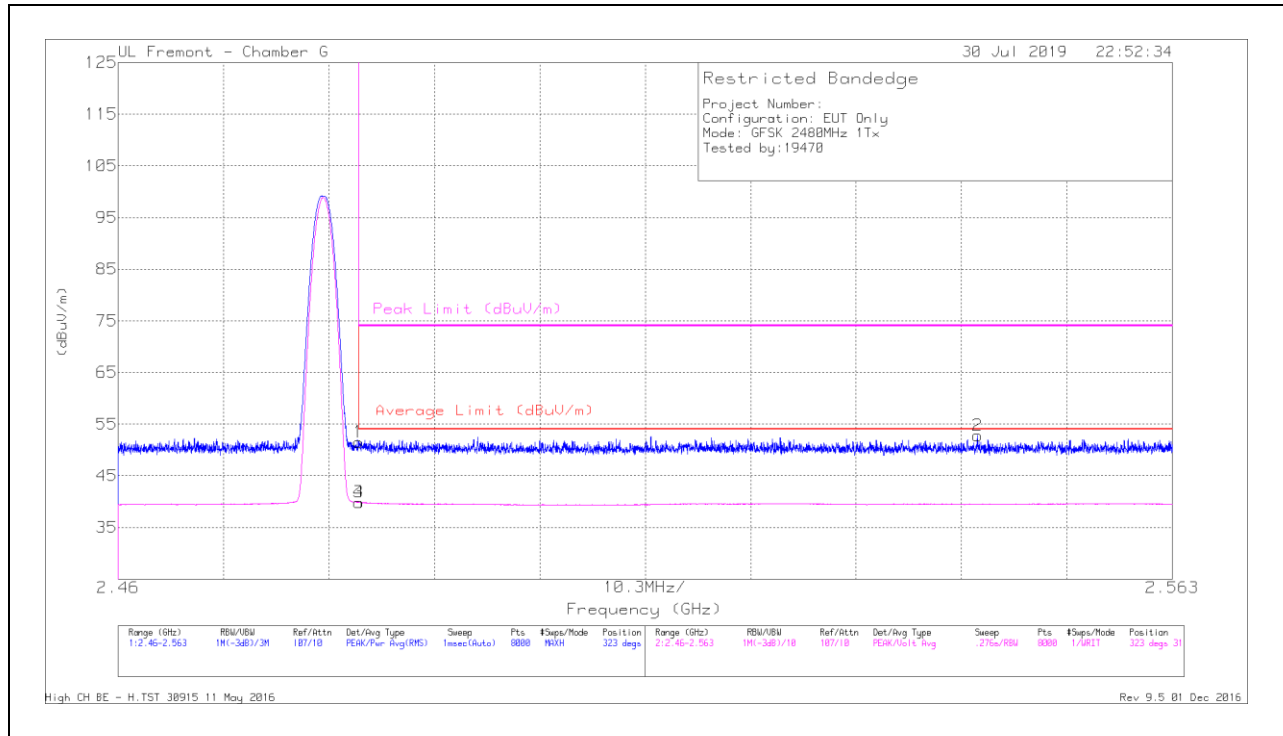


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AFT119 (dB/m) | Amp/Cbl/Ftr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|---------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 37.4                 | Pk   | 32.3          | -18.3                 | 51.4                       | -                      | -           | 74                  | -22.6          | 344            | 303         | V        |
| 2      | * 2.359         | 40.39                | Pk   | 32.1          | -18.2                 | 54.29                      | -                      | -           | 74                  | -19.71         | 344            | 303         | V        |
| 3      | * 2.39          | 26.83                | VA1T | 32.3          | -18.3                 | 40.83                      | 54                     | -13.17      | -                   | -              | 344            | 303         | V        |
| 4      | * 2.385         | 26.89                | VA1T | 32.3          | -18.2                 | 40.99                      | 54                     | -13.01      | -                   | -              | 344            | 303         | V        |

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average  $V_B = 1/T_{on}$  where:  $T_{on}$  is transmit duration

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

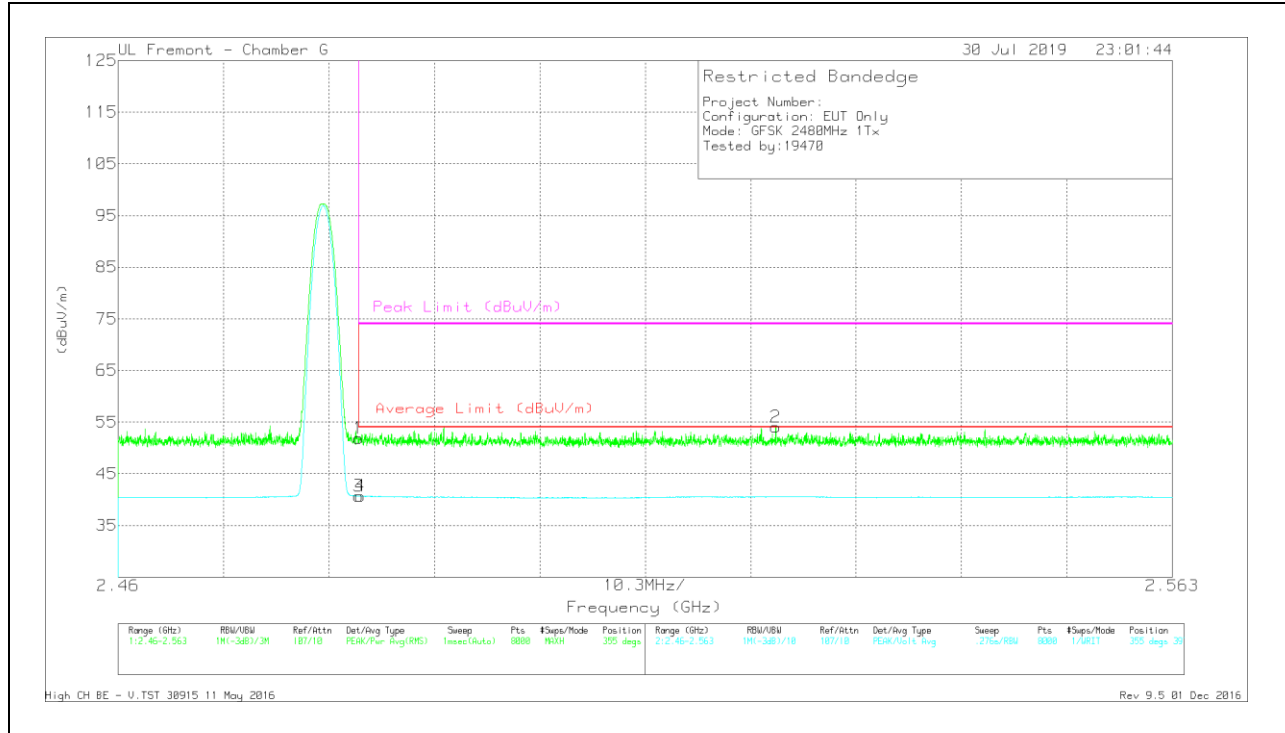
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T136 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 41.13                | Pk   | 32.5           | -22.1                  | 51.53                      | -                      | -           | 74                  | -22.47         | 323            | 311         | H        |
| 3      | * 2.484         | 29.47                | VA1T | 32.5           | -22.1                  | 39.87                      | 54                     | -14.13      | -                   | -              | 323            | 311         | H        |
| 4      | * 2.484         | 29.47                | VA1T | 32.5           | -22.1                  | 39.87                      | 54                     | -14.13      | -                   | -              | 323            | 311         | H        |
| 2      | 2.544           | 42.59                | Pk   | 32.4           | -22.2                  | 52.79                      | -                      | -           | 74                  | -21.21         | 323            | 311         | H        |

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average  $V_B = 1/T_{on}$  where:  $T_{on}$  is transmit duration

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T136 (dB/m) | Amp/Cb/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 41.47                | Pk   | 32.5           | -22.1                 | 51.87                      | -                      | -           | 74                  | -22.13         | 355            | 397         | V        |
| 3      | * 2.484         | 30.3                 | VA1T | 32.5           | -22.1                 | 40.7                       | 54                     | -13.3       | -                   | -              | 355            | 397         | V        |
| 4      | * 2.484         | 30.3                 | VA1T | 32.5           | -22.1                 | 40.7                       | 54                     | -13.3       | -                   | -              | 355            | 397         | V        |
| 2      | 2.524           | 43.75                | Pk   | 32.4           | -22.1                 | 54.05                      | -                      | -           | 74                  | -19.95         | 355            | 397         | V        |

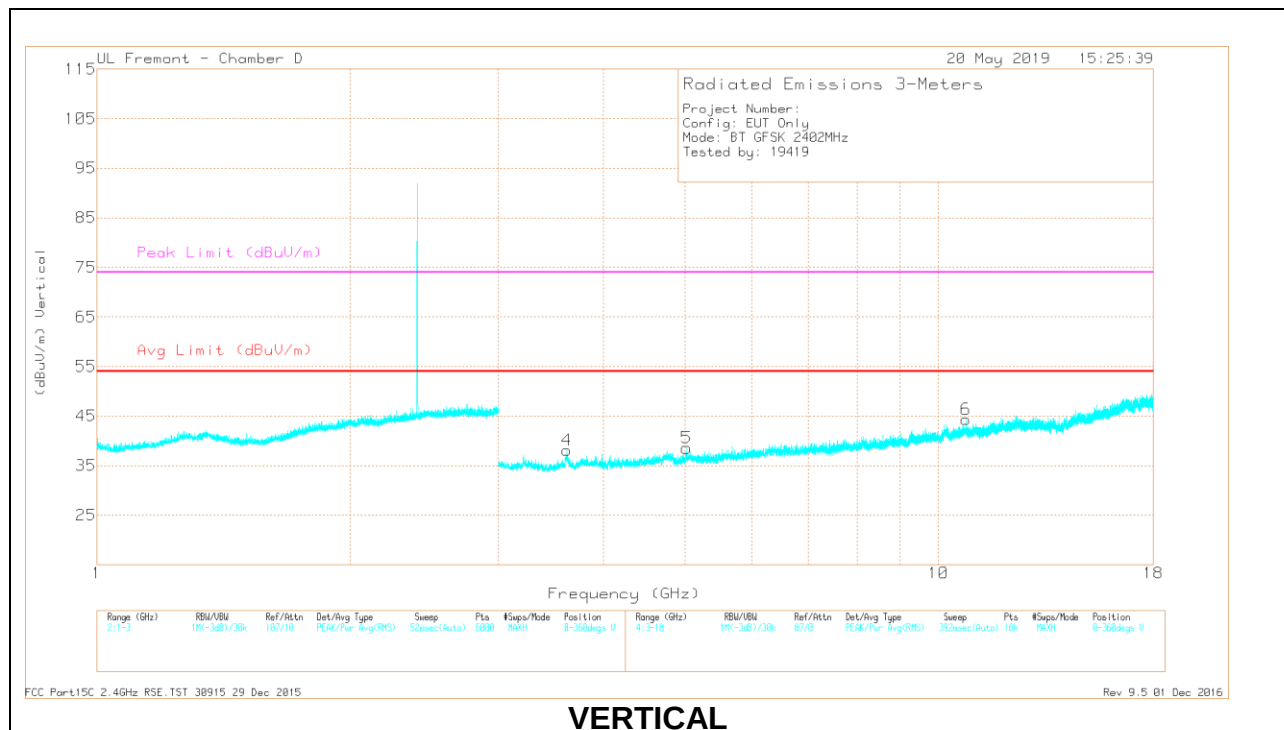
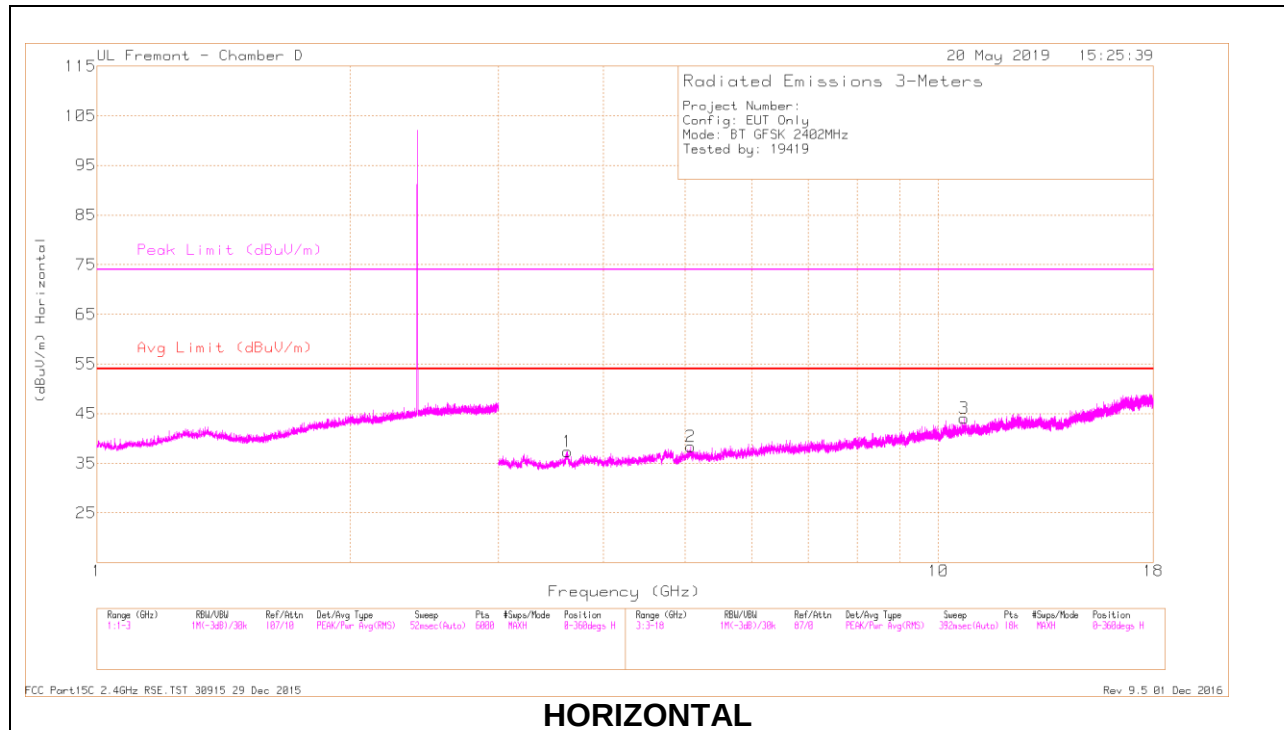
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average  $V_B = 1/T_{on}$  where:  $T_{on}$  is transmit duration

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



## RADIATED EMISSIONS

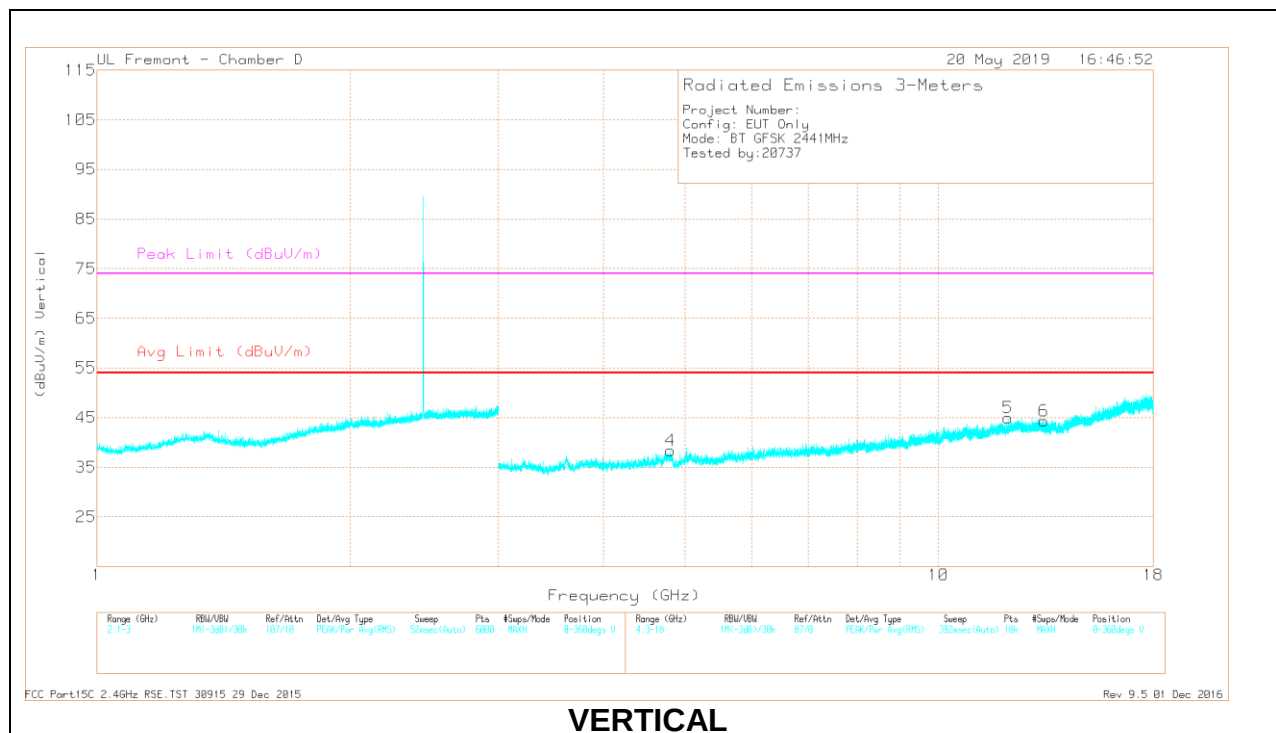
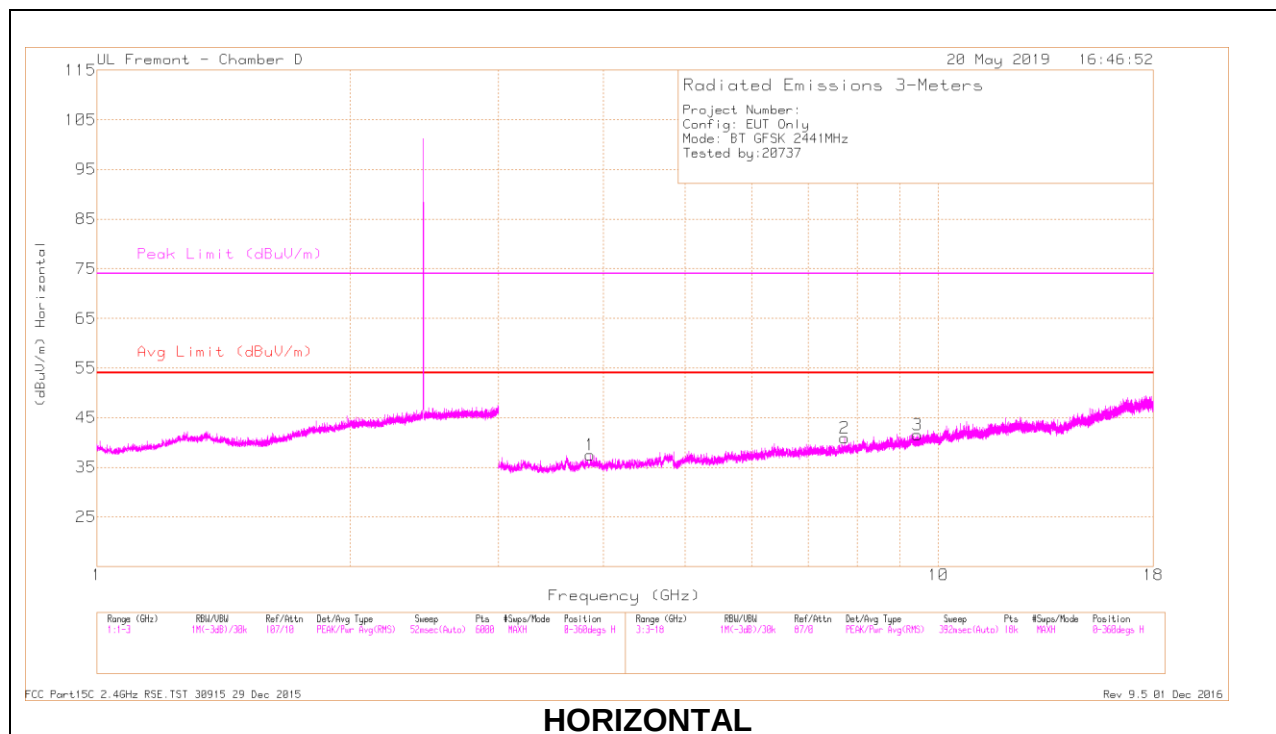
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (dB/m) | Amp/Cb/Filtr/ Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 3.624         | 37.97                | PKFH | 33.3           | -28.5                  | 42.77                      | -                  | -           | 74                  | -31.23         | 255            | 228         | H        |
|        | * 3.624         | 25.57                | VA1T | 33.3           | -28.5                  | 30.37                      | 54                 | -23.63      | -                   | -              | 255            | 228         | H        |
| 2      | * 5.075         | 37.16                | PKFH | 34.1           | -26.5                  | 44.76                      | -                  | -           | 74                  | -29.24         | 301            | 352         | H        |
|        | * 5.075         | 24.09                | VA1T | 34.1           | -26.5                  | 31.69                      | 54                 | -22.31      | -                   | -              | 301            | 352         | H        |
| 3      | * 10.718        | 34.11                | PKFH | 37.9           | -21.1                  | 50.91                      | -                  | -           | 74                  | -23.09         | 53             | 180         | H        |
|        | * 10.72         | 17.95                | VA1T | 37.9           | -21.1                  | 34.75                      | 54                 | -19.25      | -                   | -              | 53             | 180         | H        |
| 4      | * 3.621         | 37.81                | PKFH | 33.4           | -28.4                  | 42.81                      | -                  | -           | 74                  | -31.19         | 245            | 185         | V        |
|        | * 3.62          | 25.6                 | VA1T | 33.5           | -28.4                  | 30.7                       | 54                 | -23.3       | -                   | -              | 245            | 185         | V        |
| 5      | * 5.018         | 36.76                | PKFH | 34             | -26.7                  | 44.06                      | -                  | -           | 74                  | -29.94         | 90             | 140         | V        |
|        | * 5.022         | 23.82                | VA1T | 33.9           | -26.6                  | 31.12                      | 54                 | -22.88      | -                   | -              | 90             | 140         | V        |
| 6      | * 10.774        | 32.79                | PKFH | 37.9           | -20.8                  | 49.89                      | -                  | -           | 74                  | -24.11         | 2              | 211         | V        |
|        | * 10.776        | 17.64                | VA1T | 37.8           | -20.8                  | 34.64                      | 54                 | -19.36      | -                   | -              | 2              | 211         | V        |

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

## MID CHANNEL RESULTS



## RADIATED EMISSIONS

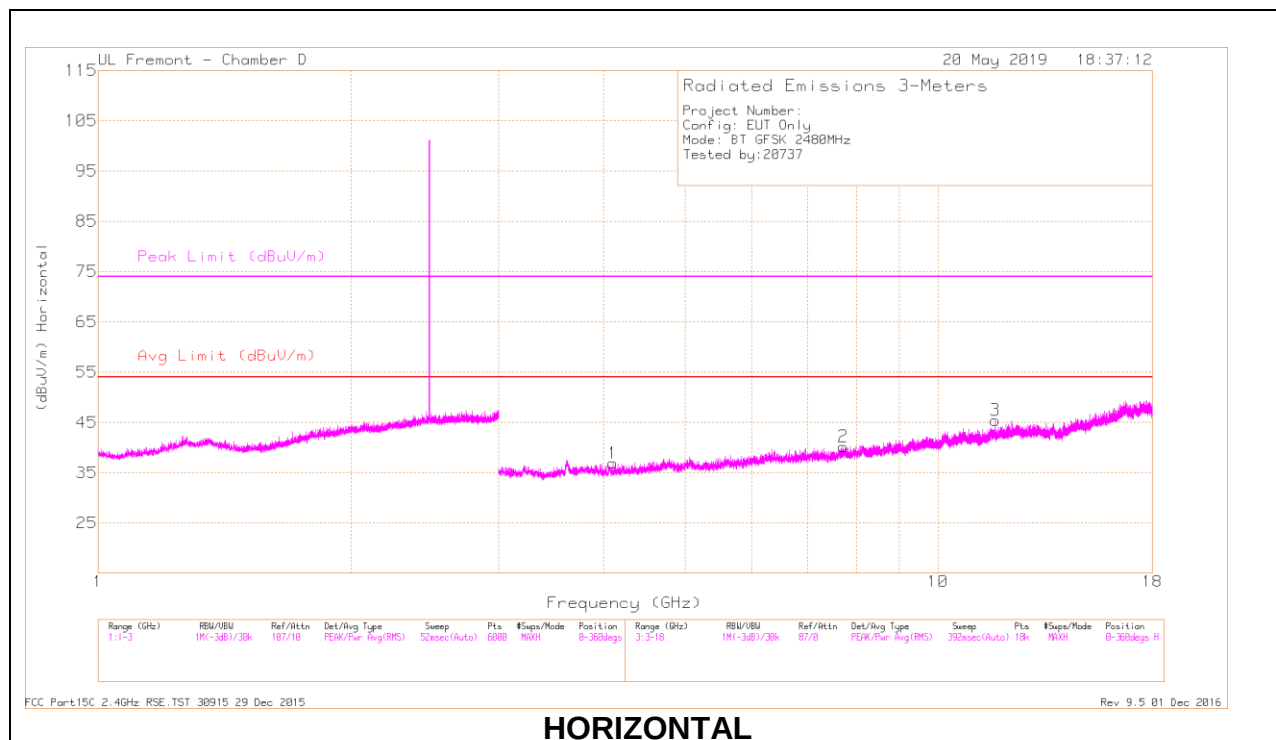
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 3.859         | 39                   | PKFH | 33.4           | -28.4                  | 44                         | -                  | -           | 74                  | -30            | 224            | 400         | H        |
|        | * 3.858         | 26.16                | VA1T | 33.4           | -28.5                  | 31.06                      | 54                 | -22.94      | -                   | -              | 224            | 400         | H        |
| 2      | * 7.736         | 34.94                | PKFH | 35.7           | -24.6                  | 46.04                      | -                  | -           | 74                  | -27.96         | 327            | 298         | H        |
|        | * 7.737         | 21.95                | VA1T | 35.7           | -24.6                  | 33.05                      | 54                 | -20.95      | -                   | -              | 327            | 298         | H        |
| 3      | * 9.447         | 33.03                | PKFH | 36.5           | -21.9                  | 47.63                      | -                  | -           | 74                  | -26.37         | 233            | 321         | H        |
|        | * 9.444         | 18.6                 | VA1T | 36.5           | -22                    | 33.1                       | 54                 | -20.9       | -                   | -              | 233            | 321         | H        |
| 4      | * 4.808         | 37.32                | PKFH | 34.1           | -27                    | 44.42                      | -                  | -           | 74                  | -29.58         | 325            | 377         | V        |
|        | * 4.81          | 24.69                | VA1T | 34             | -26.9                  | 31.79                      | 54                 | -22.21      | -                   | -              | 325            | 377         | V        |
| 5      | * 12.1          | 33.09                | PKFH | 38.7           | -21.9                  | 49.89                      | -                  | -           | 74                  | -24.11         | 195            | 103         | V        |
|        | * 12.099        | 18.96                | VA1T | 38.7           | -21.9                  | 35.76                      | 54                 | -18.24      | -                   | -              | 195            | 103         | V        |
| 6      | * 13.335        | 34.28                | PKFH | 39.1           | -23.3                  | 50.08                      | -                  | -           | 74                  | -23.92         | 313            | 206         | V        |
|        | * 13.334        | 20.8                 | VA1T | 39.1           | -23.3                  | 36.6                       | 54                 | -17.4       | -                   | -              | 313            | 206         | V        |

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

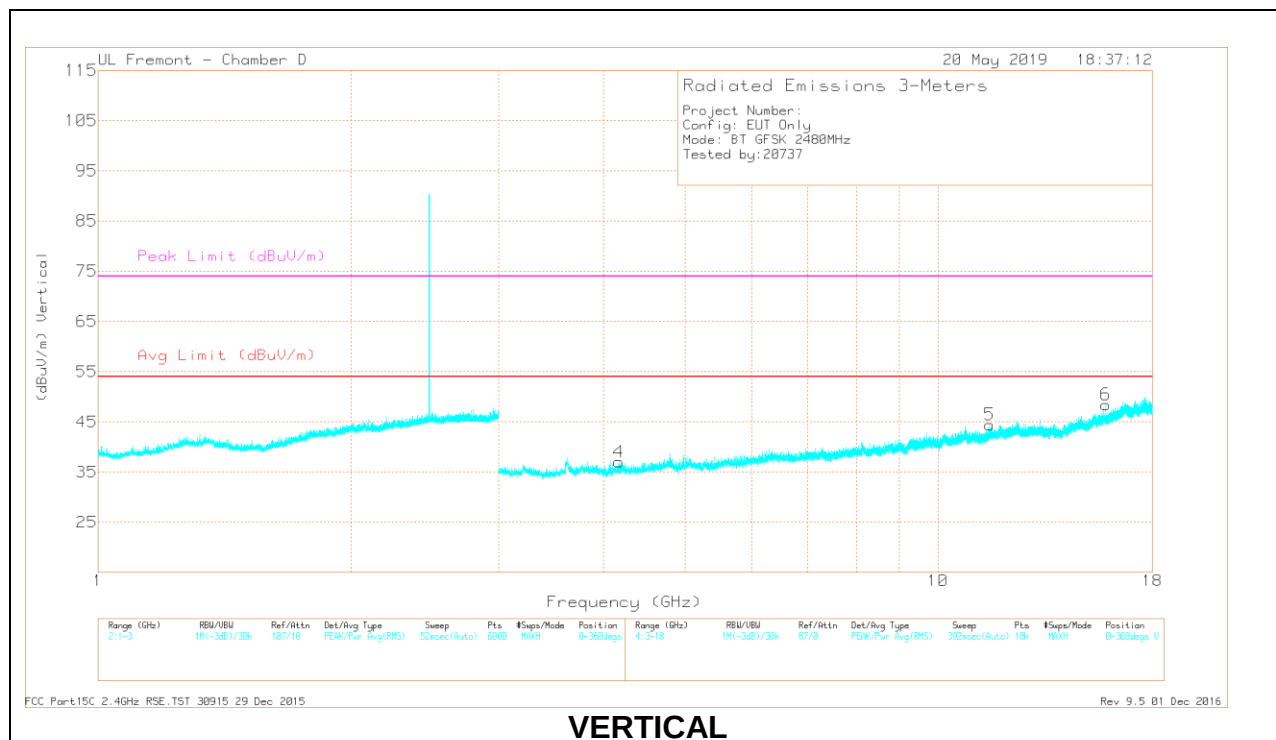
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

## HIGH CHANNEL RESULTS



## HORIZONTAL



## VERTICAL



## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 4.102         | 37.51                | PKFH | 33.5           | -27.9                  | 43.11                      | -                  | -           | 74                  | -30.89         | 151            | 399         | H        |
|        | * 4.1           | 24.6                 | VA1T | 33.5           | -27.9                  | 30.2                       | 54                 | -23.8       | -                   | -              | 151            | 399         | H        |
| 2      | * 7.721         | 34.57                | PKFH | 35.7           | -24.6                  | 45.67                      | -                  | -           | 74                  | -28.33         | 333            | 400         | H        |
|        | * 7.723         | 22.04                | VA1T | 35.7           | -24.6                  | 33.14                      | 54                 | -20.86      | -                   | -              | 333            | 400         | H        |
| 3      | * 11.702        | 34.42                | PKFH | 38.4           | -21.5                  | 51.32                      | -                  | -           | 74                  | -22.68         | 127            | 225         | H        |
|        | * 11.702        | 18.66                | VA1T | 38.4           | -21.5                  | 35.56                      | 54                 | -18.44      | -                   | -              | 127            | 225         | H        |
| 4      | * 4.172         | 37.57                | PKFH | 33.3           | -27.6                  | 43.27                      | -                  | -           | 74                  | -30.73         | 346            | 273         | V        |
|        | * 4.171         | 24.79                | VA1T | 33.3           | -27.7                  | 30.39                      | 54                 | -23.61      | -                   | -              | 346            | 273         | V        |
| 5      | * 11.526        | 34.78                | PKFH | 38.2           | -21.4                  | 51.58                      | -                  | -           | 74                  | -22.42         | 85             | 115         | V        |
|        | * 11.525        | 18.52                | VA1T | 38.2           | -21.4                  | 35.32                      | 54                 | -18.68      | -                   | -              | 85             | 115         | V        |
| 6      | * 15.853        | 34.35                | PKFH | 40.3           | -21                    | 53.65                      | -                  | -           | 74                  | -20.35         | 0              | 334         | V        |
|        | * 15.851        | 19.63                | VA1T | 40.3           | -21.1                  | 38.83                      | 54                 | -15.17      | -                   | -              | 0              | 334         | V        |

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

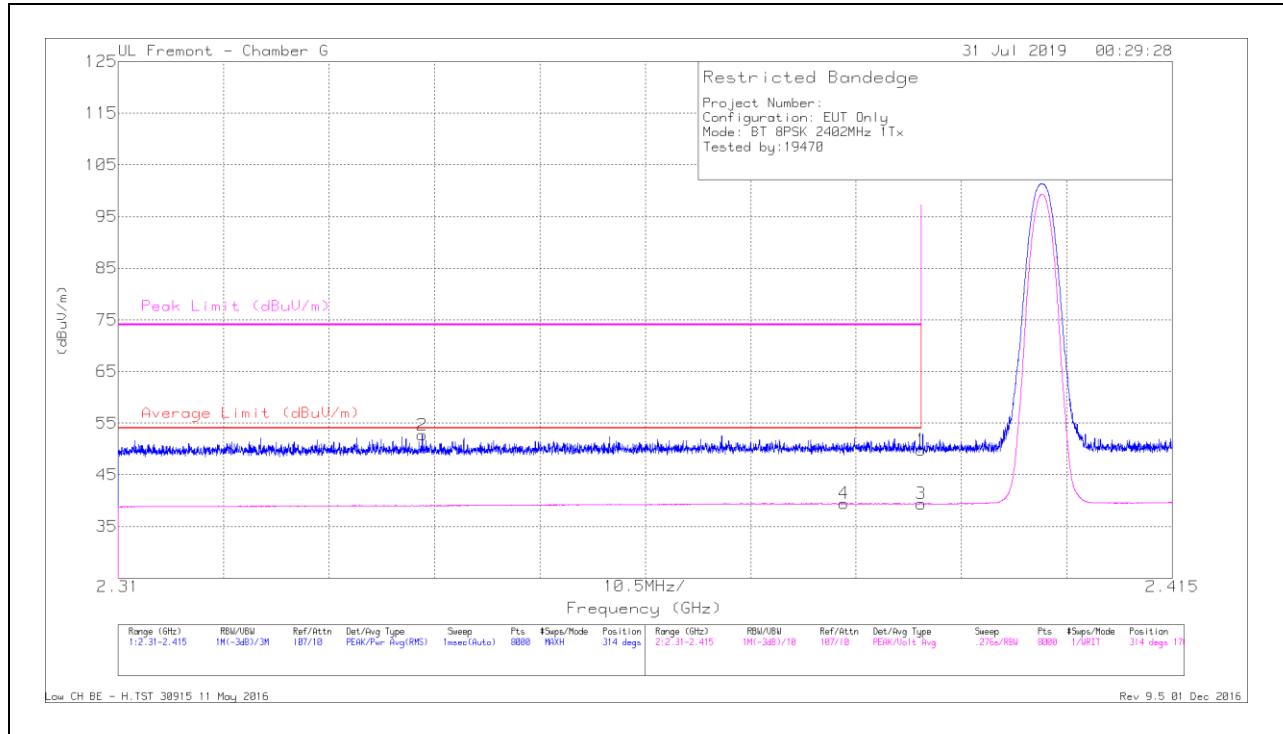
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

## 9.1.7. ANTENNA 4, LOW POWER ENHANCED DATA RATE 8PSK MODULATION

### BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT



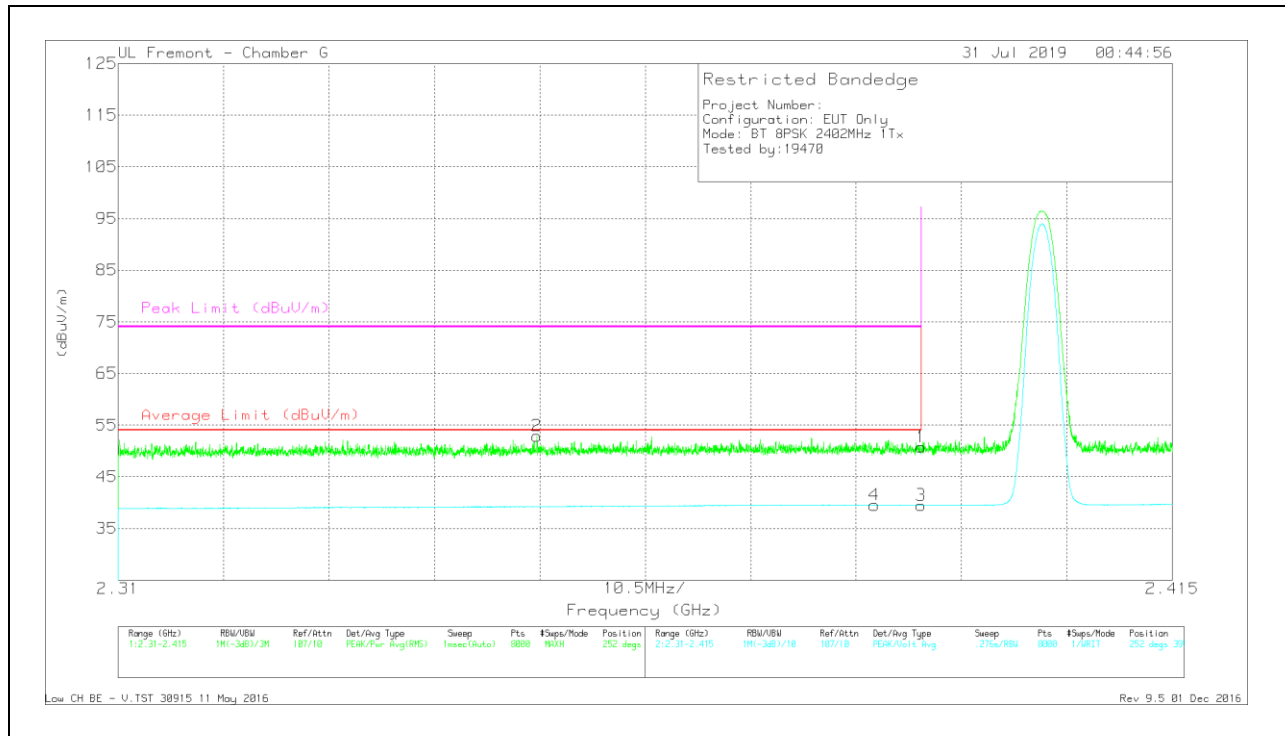
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T136 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 40.09                | Pk   | 31.9           | -22.2                  | 49.79                      | -                      | -           | 74                  | -24.21         | 314            | 170         | H        |
| 2      | * 2.34          | 43.2                 | Pk   | 31.7           | -22.2                  | 52.7                       | -                      | -           | 74                  | -21.3          | 314            | 170         | H        |
| 3      | * 2.39          | 29.7                 | VA1T | 31.9           | -22.2                  | 39.4                       | 54                     | -14.6       | -                   | -              | 314            | 170         | H        |
| 4      | * 2.382         | 29.77                | VA1T | 31.9           | -22.2                  | 39.47                      | 54                     | -14.53      | -                   | -              | 314            | 170         | H        |

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average  $V_B = 1/T_{on}$  where:  $T_{on}$  is transmit duration

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T136 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 41.07                | Pk   | 31.9           | -22.2                  | 50.77                      | -                      | -           | 74                  | -23.23         | 252            | 395         | V        |
| 2      | * 2.352         | 43.4                 | Pk   | 31.7           | -22.2                  | 52.9                       | -                      | -           | 74                  | -21.1          | 252            | 395         | V        |
| 3      | * 2.39          | 29.75                | VA1T | 31.9           | -22.2                  | 39.45                      | 54                     | -14.55      | -                   | -              | 252            | 395         | V        |
| 4      | * 2.385         | 29.83                | VA1T | 31.9           | -22.2                  | 39.53                      | 54                     | -14.47      | -                   | -              | 252            | 395         | V        |

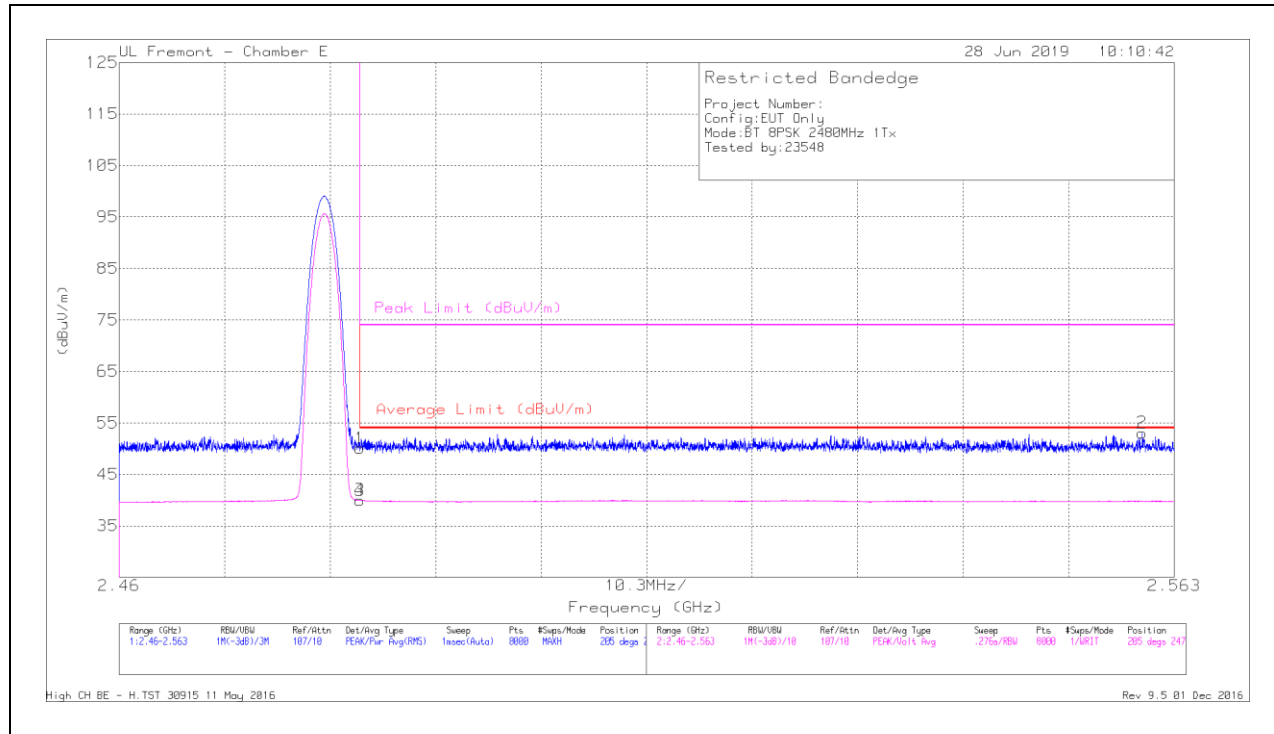
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average  $V_B = 1/T_{on}$  where:  $T_{on}$  is transmit duration

# **BANDEDGE (HIGH CHANNEL)**

## **HORIZONTAL RESULT**



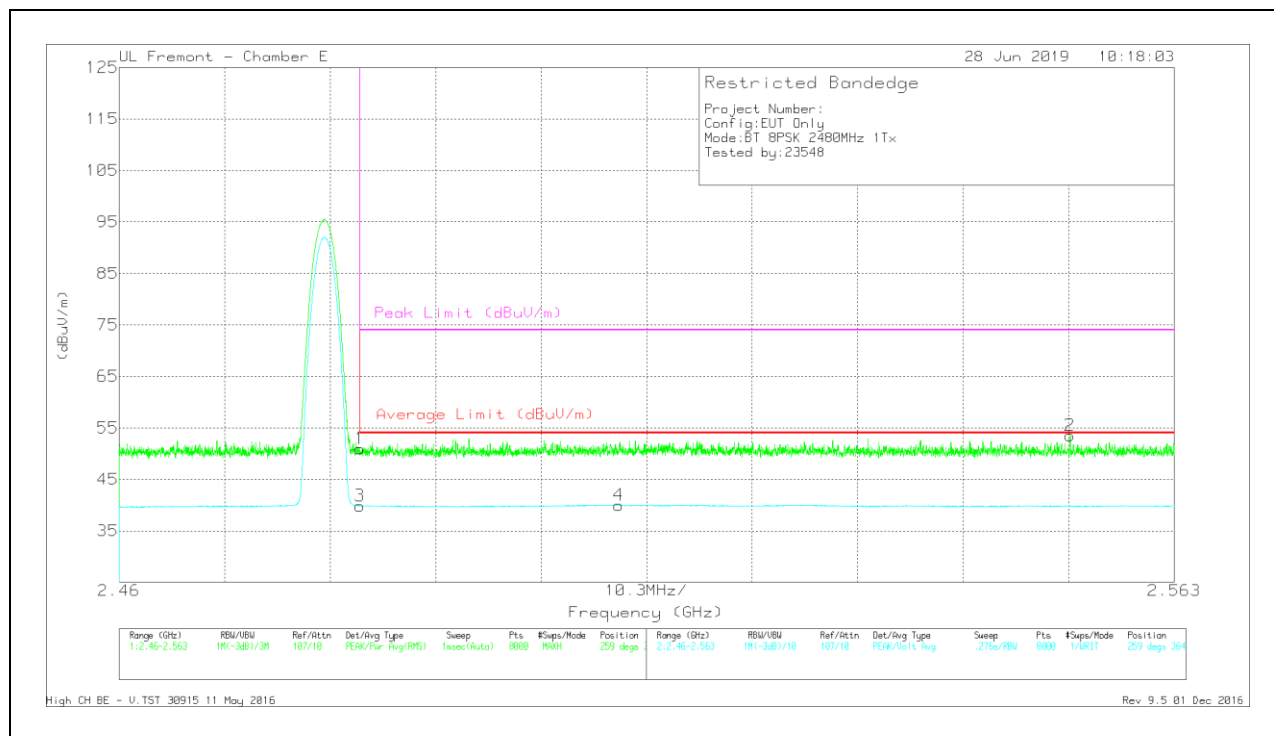
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T119 (dB/m) | Amp/Cbl/Filtr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 43.55                | Pk   | 32.8           | -26.3                   | 50.05                      | -                      | -           | 74                  | -23.95         | 205            | 247         | H        |
| 3      | * 2.484         | 33.46                | VA1T | 32.8           | -26.3                   | 39.96                      | 54                     | -14.04      | -                   | -              | 205            | 247         | H        |
| 4      | * 2.484         | 33.46                | VA1T | 32.8           | -26.3                   | 39.96                      | 54                     | -14.04      | -                   | -              | 205            | 247         | H        |
| 2      | 2.56            | 46.56                | Pk   | 32.8           | -26.3                   | 53.06                      | -                      | -           | 74                  | -20.94         | 205            | 247         | H        |

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T119 (dB/m) | Amp/Cbl/Filtr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 44.47                | Pk   | 32.8           | -26.3                   | 50.97                      | -                      | -           | 74                  | -23.03         | 259            | 364         | V        |
| 3      | * 2.484         | 33.36                | VA1T | 32.8           | -26.3                   | 39.86                      | 54                     | -14.14      | -                   | -              | 259            | 364         | V        |
| 4      | 2.509           | 33.29                | VA1T | 32.9           | -26.2                   | 39.99                      | 54                     | -14.01      | -                   | -              | 259            | 364         | V        |
| 2      | 2.553           | 47.03                | Pk   | 32.8           | -26.3                   | 53.53                      | -                      | -           | 74                  | -20.47         | 259            | 364         | V        |

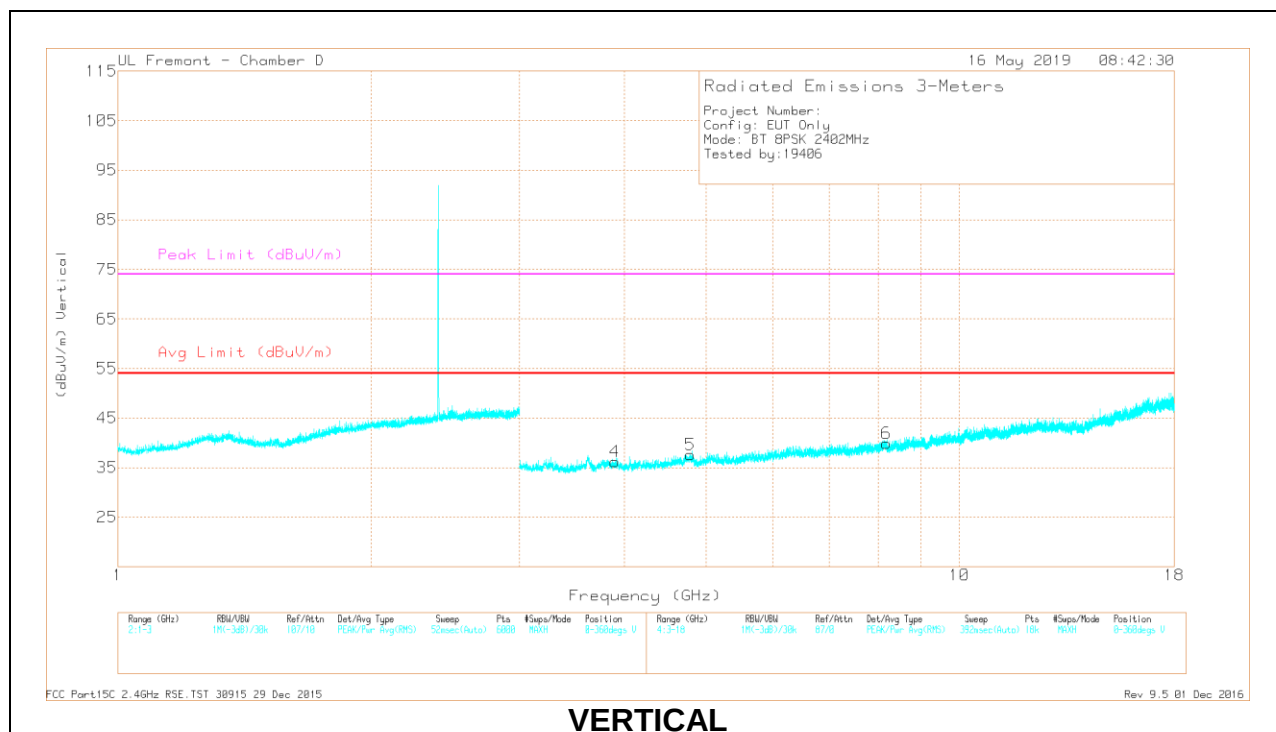
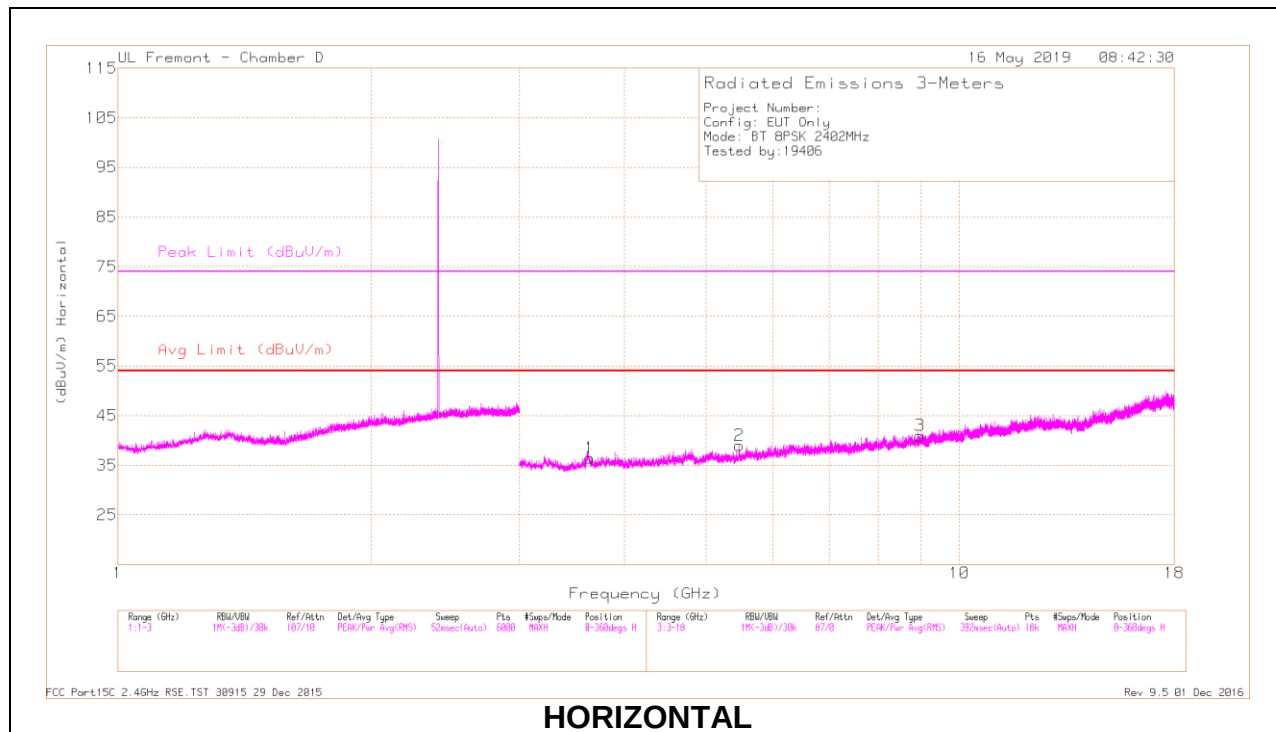
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



## RADIATED EMISSIONS

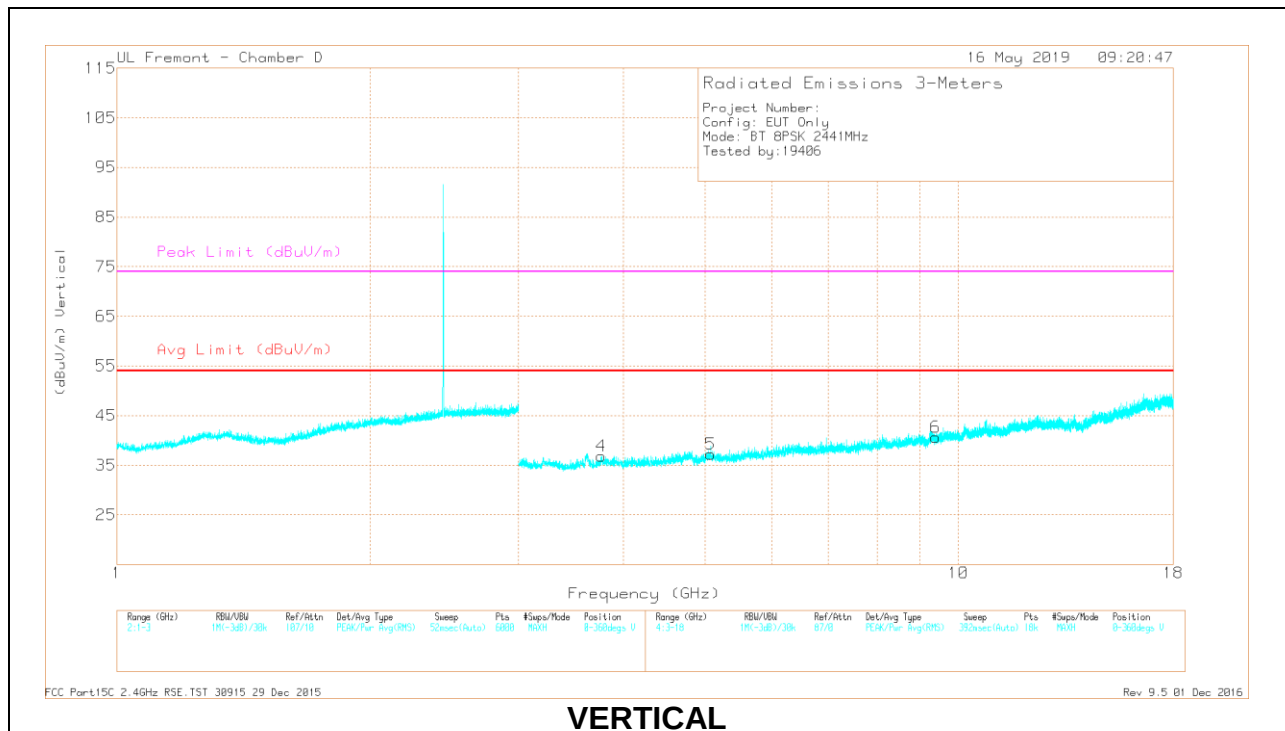
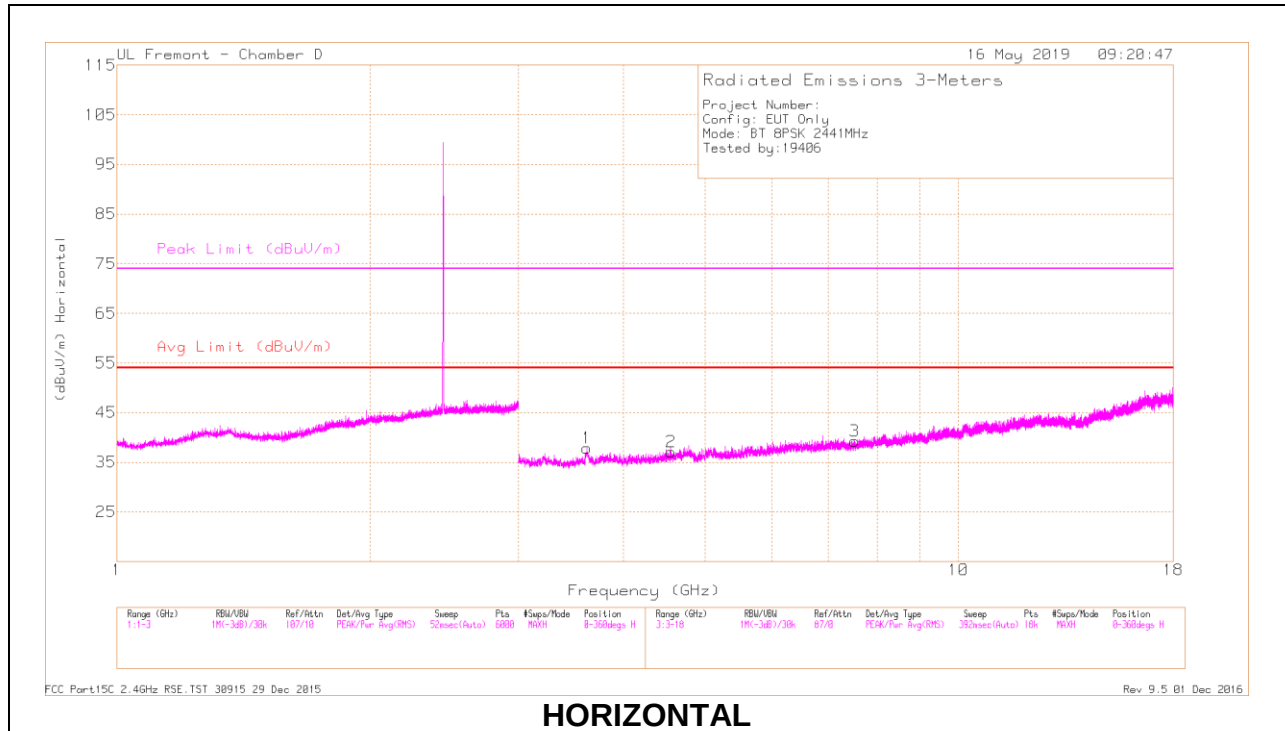
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 3.636         | 37.86                | PKFH | 33             | -28.7                  | 42.16                      | -                  | -           | 74                  | -31.84         | 122            | 351         | H        |
|        | * 3.636         | 25.72                | VA1T | 33             | -28.7                  | 30.02                      | 54                 | -23.98      | -                   | -              | 122            | 351         | H        |
| 2      | 5.479           | 37.7                 | PKFH | 34.4           | -27.5                  | 44.6                       | -                  | -           | -                   | -              | 274            | 182         | H        |
| 3      | 8.976           | 34.21                | PKFH | 35.9           | -22.5                  | 47.61                      | -                  | -           | -                   | -              | 189            | 386         | H        |
| 4      | * 3.896         | 38.02                | PKFH | 33.4           | -28                    | 43.42                      | -                  | -           | 74                  | -30.58         | 360            | 143         | V        |
|        | * 3.898         | 25.63                | VA1T | 33.4           | -28.1                  | 30.93                      | 54                 | -23.07      | -                   | -              | 360            | 143         | V        |
| 5      | * 4.791         | 37.85                | PKFH | 34             | -26.8                  | 45.05                      | -                  | -           | 74                  | -28.95         | 183            | 260         | V        |
|        | * 4.789         | 24.68                | VA1T | 34.1           | -26.8                  | 31.98                      | 54                 | -22.02      | -                   | -              | 183            | 260         | V        |
| 6      | * 8.185         | 34.21                | PKFH | 35.7           | -23.4                  | 46.51                      | -                  | -           | 74                  | -27.49         | 10             | 322         | V        |
|        | * 8.186         | 20.85                | VA1T | 35.7           | -23.5                  | 33.05                      | 54                 | -20.95      | -                   | -              | 10             | 322         | V        |

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

## MID CHANNEL RESULTS





## RADIATED EMISSIONS

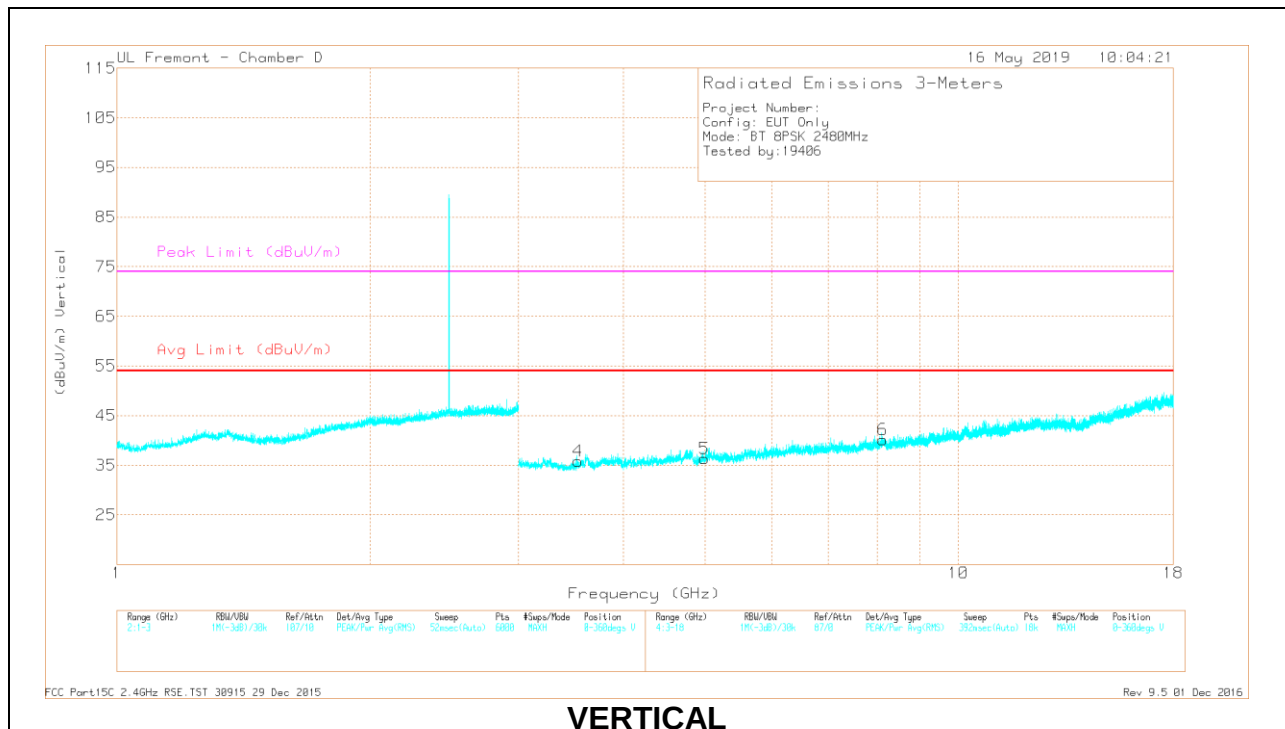
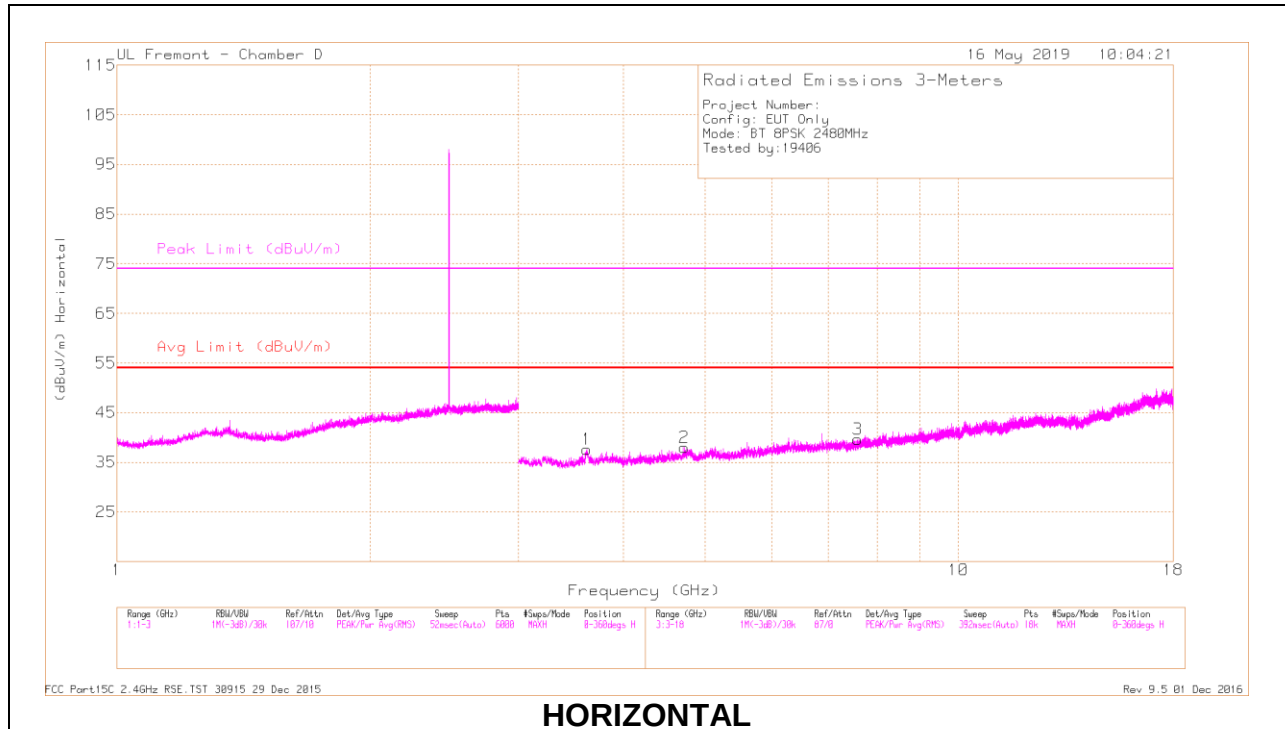
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 3.618         | 37.76                | PKFH | 33.6           | -28.4                  | 42.96                      | -                  | -           | 74                  | -31.04         | 87             | 389         | H        |
|        | * 3.62          | 26.03                | VA1T | 33.5           | -28.4                  | 31.13                      | 54                 | -22.87      | -                   | -              | 87             | 389         | H        |
| 2      | * 4.552         | 38.01                | PKFH | 33.9           | -27.7                  | 44.21                      | -                  | -           | 74                  | -29.79         | 66             | 101         | H        |
|        | * 4.554         | 25.06                | VA1T | 33.9           | -27.6                  | 31.36                      | 54                 | -22.64      | -                   | -              | 66             | 101         | H        |
| 3      | * 7.523         | 35.61                | PKFH | 35.5           | -25.1                  | 46.01                      | -                  | -           | 74                  | -27.99         | 71             | 147         | H        |
|        | * 7.524         | 22.12                | VA1T | 35.5           | -25.1                  | 32.52                      | 54                 | -21.48      | -                   | -              | 71             | 147         | H        |
| 4      | * 3.766         | 38.68                | PKFH | 33.3           | -28                    | 43.98                      | -                  | -           | 74                  | -30.02         | 240            | 319         | V        |
|        | * 3.764         | 25.41                | VA1T | 33.3           | -27.9                  | 30.81                      | 54                 | -23.19      | -                   | -              | 240            | 319         | V        |
| 5      | * 5.081         | 36.49                | PKFH | 34.1           | -26.7                  | 43.89                      | -                  | -           | 74                  | -30.11         | 93             | 152         | V        |
|        | * 5.079         | 24.21                | VA1T | 34.1           | -26.6                  | 31.71                      | 54                 | -22.29      | -                   | -              | 93             | 152         | V        |
| 6      | * 9.397         | 33.19                | PKFH | 36.4           | -22.2                  | 47.39                      | -                  | -           | 74                  | -26.61         | 199            | 204         | V        |
|        | * 9.396         | 18.87                | VA1T | 36.4           | -22.2                  | 33.07                      | 54                 | -20.93      | -                   | -              | 199            | 204         | V        |

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

## HIGH CHANNEL RESULTS



## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 3.618         | 38.7                 | PKFH | 33.5           | -28.4                  | 43.8                       | -                  | -           | 74                  | -30.2          | 235            | 355         | H        |
|        | * 3.62          | 25.92                | VA1T | 33.5           | -28.4                  | 31.02                      | 54                 | -22.98      | -                   | -              | 235            | 355         | H        |
| 2      | * 4.723         | 36.9                 | PKFH | 33.9           | -27                    | 43.8                       | -                  | -           | 74                  | -30.2          | 300            | 298         | H        |
|        | * 4.725         | 24.56                | VA1T | 33.9           | -27.1                  | 31.36                      | 54                 | -22.64      | -                   | -              | 300            | 298         | H        |
| 3      | * 7.592         | 35.21                | PKFH | 35.5           | -25                    | 45.71                      | -                  | -           | 74                  | -28.29         | 270            | 104         | H        |
|        | * 7.594         | 21.56                | VA1T | 35.5           | -25                    | 32.06                      | 54                 | -21.94      | -                   | -              | 270            | 104         | H        |
| 4      | * 3.532         | 37.46                | PKFH | 32.9           | -28.4                  | 41.96                      | -                  | -           | 74                  | -32.04         | 275            | 257         | V        |
|        | * 3.53          | 25.31                | VA1T | 32.9           | -28.4                  | 29.81                      | 54                 | -24.19      | -                   | -              | 275            | 257         | V        |
| 5      | * 4.986         | 36.19                | PKFH | 34             | -27.3                  | 42.89                      | -                  | -           | 74                  | -31.11         | 116            | 305         | V        |
|        | * 4.984         | 23.85                | VA1T | 34             | -27.4                  | 30.45                      | 54                 | -23.55      | -                   | -              | 116            | 305         | V        |
| 6      | * 8.136         | 34.14                | PKFH | 35.7           | -22.8                  | 47.04                      | -                  | -           | 74                  | -26.96         | 0              | 308         | V        |
|        | * 8.137         | 20.86                | VA1T | 35.7           | -22.9                  | 33.66                      | 54                 | -20.34      | -                   | -              | 0              | 308         | V        |

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

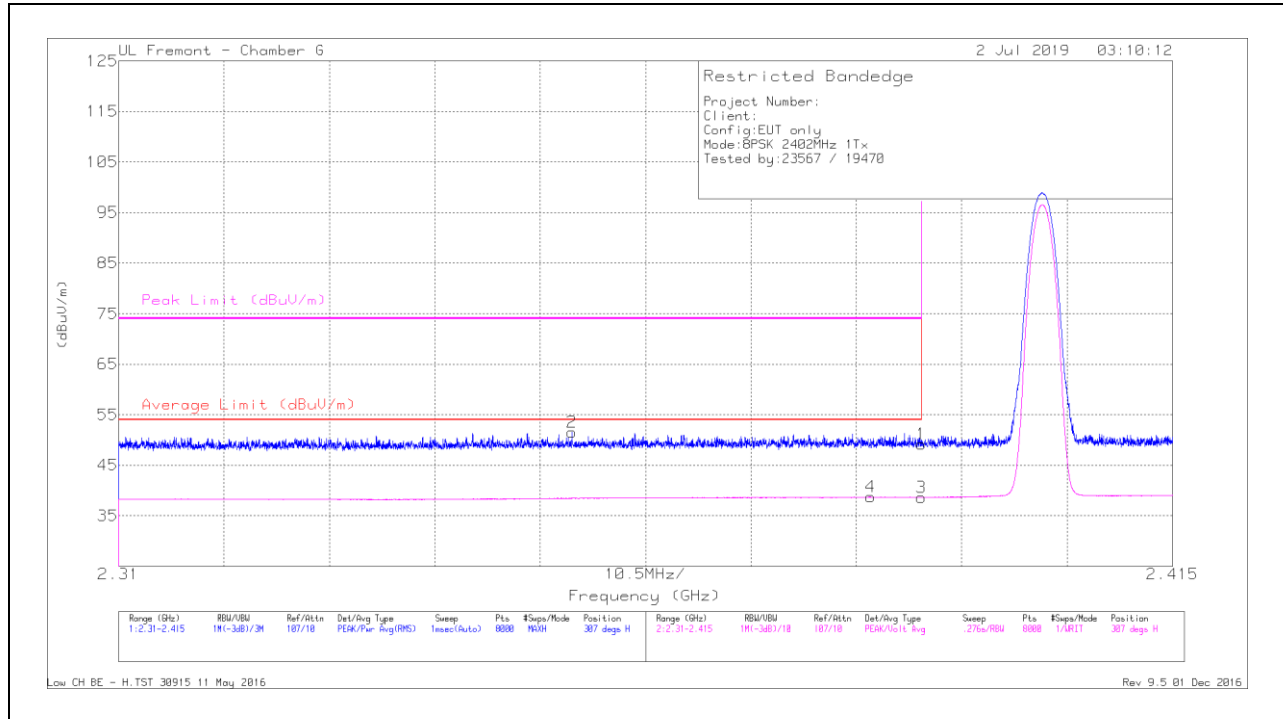
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

## 9.1.8. ANTENNA 3, LOW POWER ENHANCED DATA RATE 8PSK MODULATION

### BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT



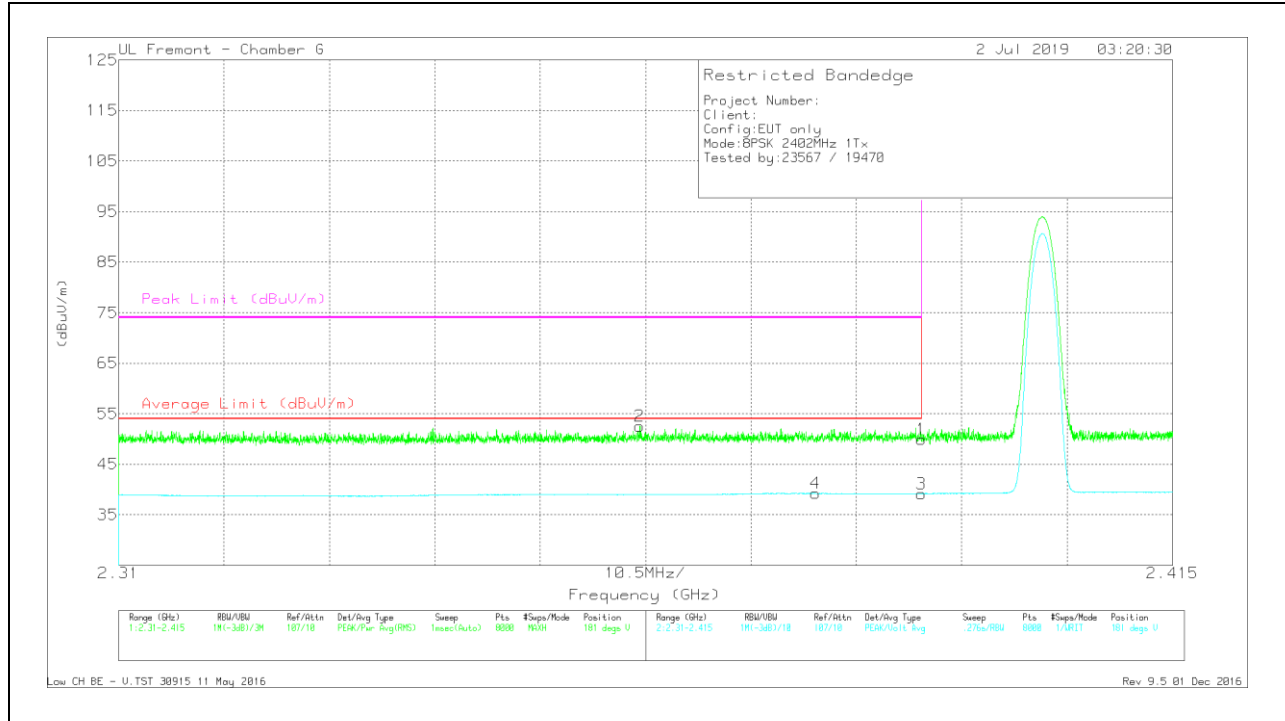
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T120 (dB/m) | Amp/Cbl/Filtr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 39.45                | Pk   | 31.9           | -22.2                   | 49.15                      | -                      | -           | 74                  | -24.85         | 307            | 110         | H        |
| 2      | * 2.355         | 42.03                | PK   | 31.7           | -22.2                   | 51.53                      | -                      | -           | 74                  | -22.47         | 307            | 110         | H        |
| 3      | * 2.39          | 28.95                | VA1T | 31.9           | -22.2                   | 38.65                      | 54                     | -15.35      | -                   | -              | 307            | 110         | H        |
| 4      | * 2.385         | 29                   | VA1T | 31.9           | -22.2                   | 38.7                       | 54                     | -15.3       | -                   | -              | 307            | 110         | H        |

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T120 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 2.362         | 43.05                | Pk   | 31.7           | -22.2                  | 52.55                      | -                      | -           | 74                  | -21.45         | 181            | 385         | V        |
| 4      | * 2.379         | 29.64                | VA1T | 31.8           | -22.2                  | 39.24                      | 54                     | -14.76      | -                   | -              | 181            | 385         | V        |
| 1      | * 2.39          | 40.23                | Pk   | 31.9           | -22.2                  | 49.93                      | -                      | -           | 74                  | -24.07         | 181            | 385         | V        |
| 3      | * 2.39          | 29.44                | VA1T | 31.9           | -22.2                  | 39.14                      | 54                     | -14.86      | -                   | -              | 181            | 385         | V        |

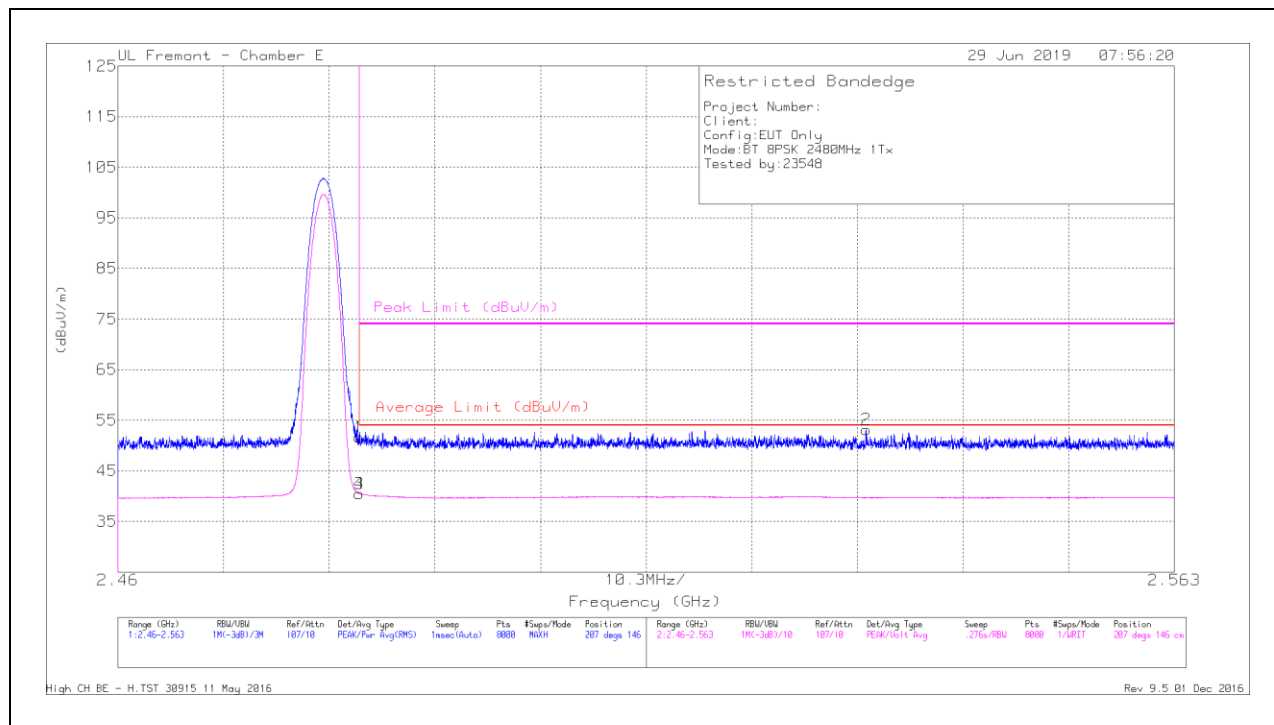
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

# **BANDEDGE (HIGH CHANNEL)**

## **HORIZONTAL RESULT**



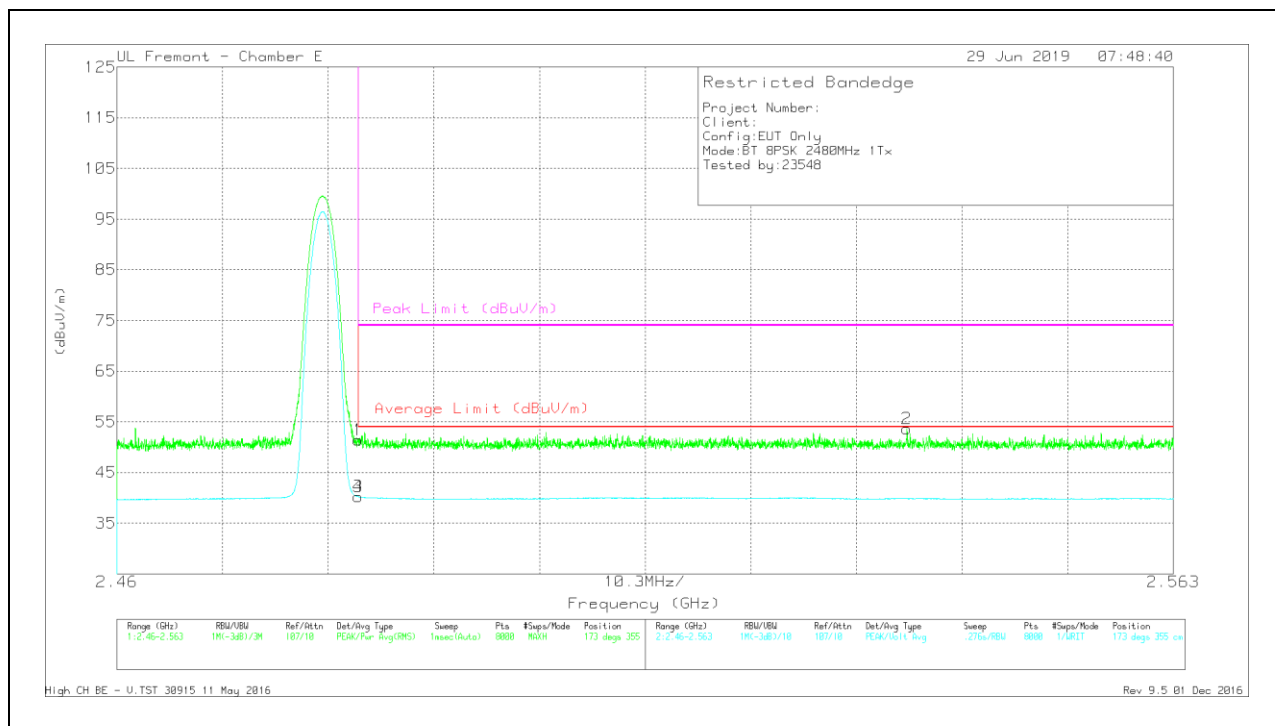
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AFT119 (dB/m) | Amp/Cbl/Filtr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|---------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 45.13                | Pk   | 32.8          | -26.3                   | 51.63                      | -                      | -           | 74                  | -22.37         | 207            | 146         | H        |
| 3      | * 2.484         | 34.02                | VA1T | 32.8          | -26.3                   | 40.52                      | 54                     | -13.48      | -                   | -              | 207            | 146         | H        |
| 4      | * 2.484         | 33.98                | VA1T | 32.8          | -26.3                   | 40.48                      | 54                     | -13.52      | -                   | -              | 207            | 146         | H        |
| 2      | 2.533           | 46.65                | Pk   | 32.9          | -26.4                   | 53.15                      | -                      | -           | 74                  | -20.85         | 207            | 146         | H        |

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T119 (dB/m) | Amp/Cbl/Fitr/Pa d (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 44.92                | Pk   | 32.8           | -26.3                  | 51.42                      | -                      | -           | 74                  | -22.58         | 173            | 355         | V        |
| 3      | * 2.484         | 33.73                | VA1T | 32.8           | -26.3                  | 40.23                      | 54                     | -13.77      | -                   | -              | 173            | 355         | V        |
| 4      | * 2.484         | 33.75                | VA1T | 32.8           | -26.3                  | 40.25                      | 54                     | -13.75      | -                   | -              | 173            | 355         | V        |
| 2      | 2.537           | 47.07                | Pk   | 32.9           | -26.3                  | 53.67                      | -                      | -           | 74                  | -20.33         | 173            | 355         | V        |

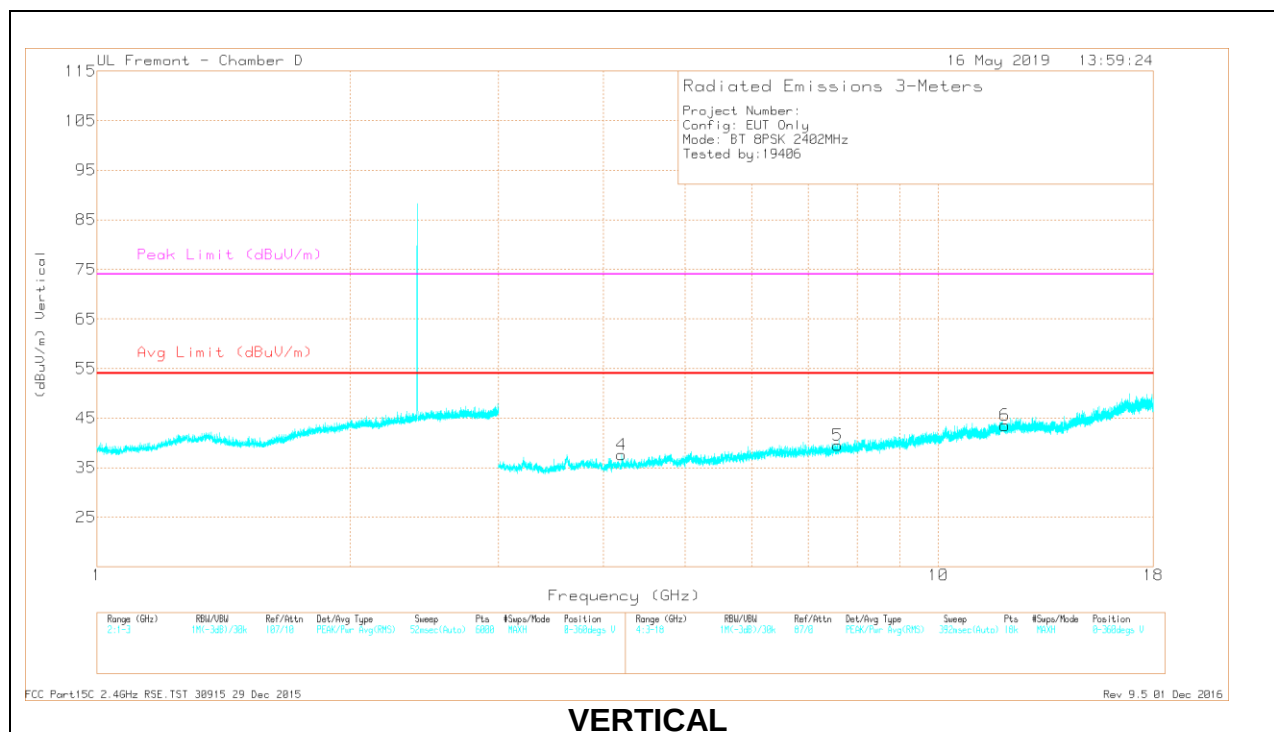
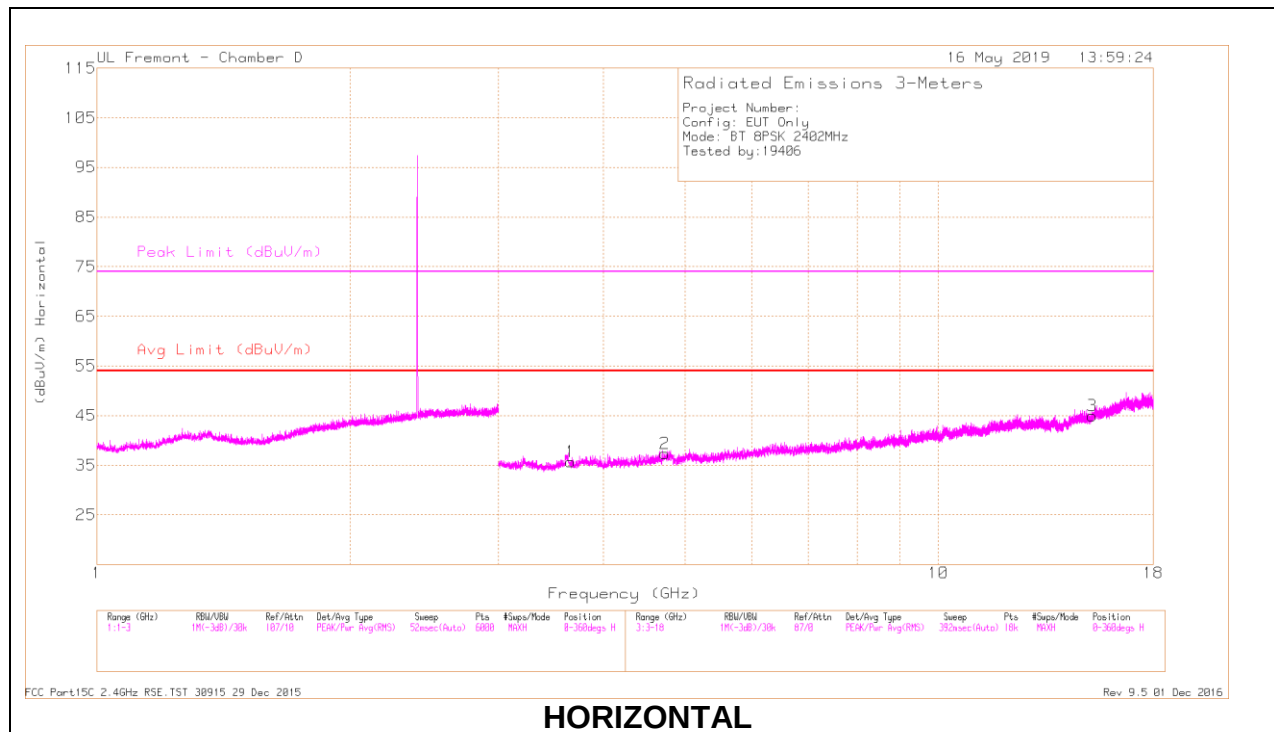
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average  $V_B = 1/T_{on}$  where:  $T_{on}$  is transmit duration

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS





## RADIATED EMISSIONS

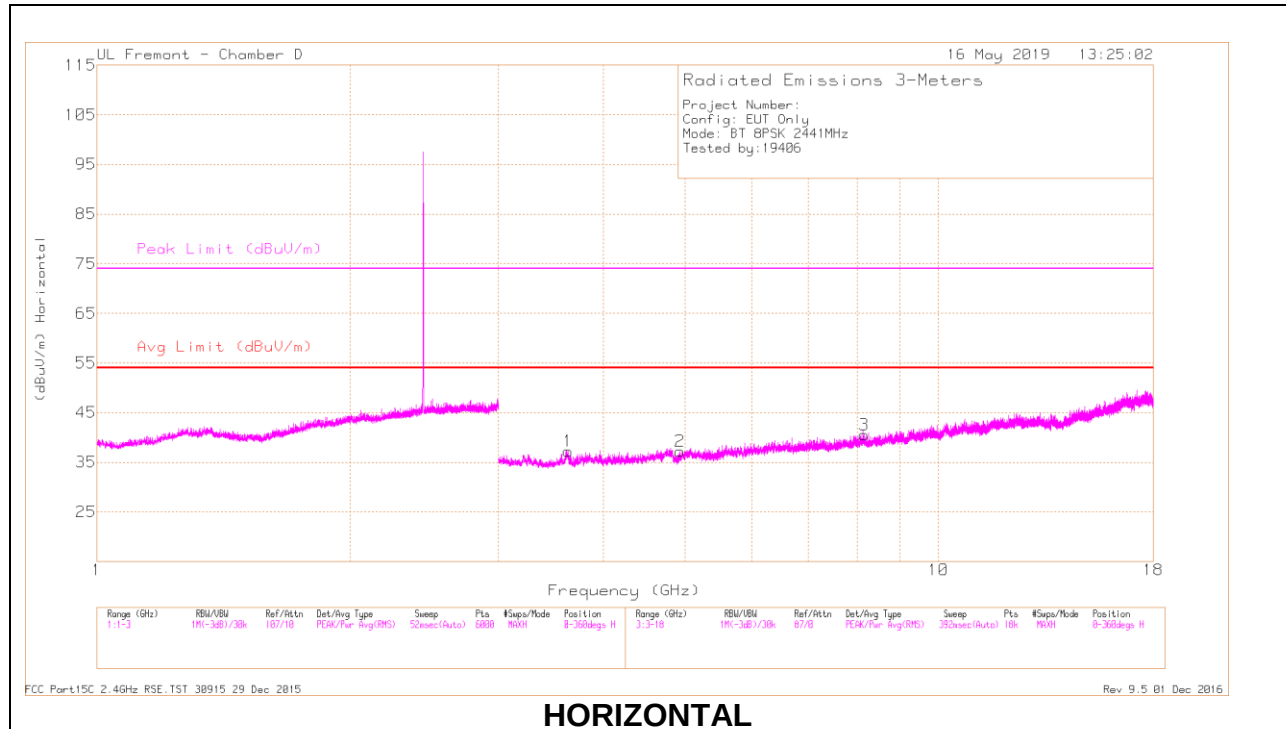
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 3.654         | 38.29                | PKFH | 32.9           | -28.8                  | 42.39                      | -                  | -           | 74                  | -31.61         | 82             | 141         | H        |
|        | * 3.655         | 25.6                 | VA1T | 32.9           | -28.9                  | 29.6                       | 54                 | -24.4       | -                   | -              | 82             | 141         | H        |
| 2      | * 4.732         | 37.42                | PKFH | 33.9           | -26.6                  | 44.72                      | -                  | -           | 74                  | -29.28         | 348            | 391         | H        |
|        | * 4.733         | 23.86                | VA1T | 33.9           | -26.6                  | 31.16                      | 54                 | -22.84      | -                   | -              | 348            | 391         | H        |
| 3      | 15.227          | 34.98                | PKFH | 39.8           | -22.7                  | 52.08                      | -                  | -           | -                   | -              | 234            | 231         | H        |
| 4      | * 4.203         | 36.81                | PKFH | 33.3           | -27.5                  | 42.61                      | -                  | -           | 74                  | -31.39         | 228            | 329         | V        |
|        | * 4.205         | 24.65                | VA1T | 33.4           | -27.5                  | 30.55                      | 54                 | -23.45      | -                   | -              | 228            | 329         | V        |
| 5      | * 7.587         | 35.34                | PKFH | 35.6           | -25                    | 45.94                      | -                  | -           | 74                  | -28.06         | 309            | 129         | V        |
|        | * 7.585         | 21.81                | VA1T | 35.6           | -25.1                  | 32.31                      | 54                 | -21.69      | -                   | -              | 309            | 129         | V        |
| 6      | * 11.993        | 33.46                | PKFH | 38.7           | -22.1                  | 50.06                      | -                  | -           | 74                  | -23.94         | 4              | 129         | V        |
|        | * 11.994        | 19.39                | VA1T | 38.7           | -22.1                  | 35.99                      | 54                 | -18.01      | -                   | -              | 4              | 129         | V        |

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

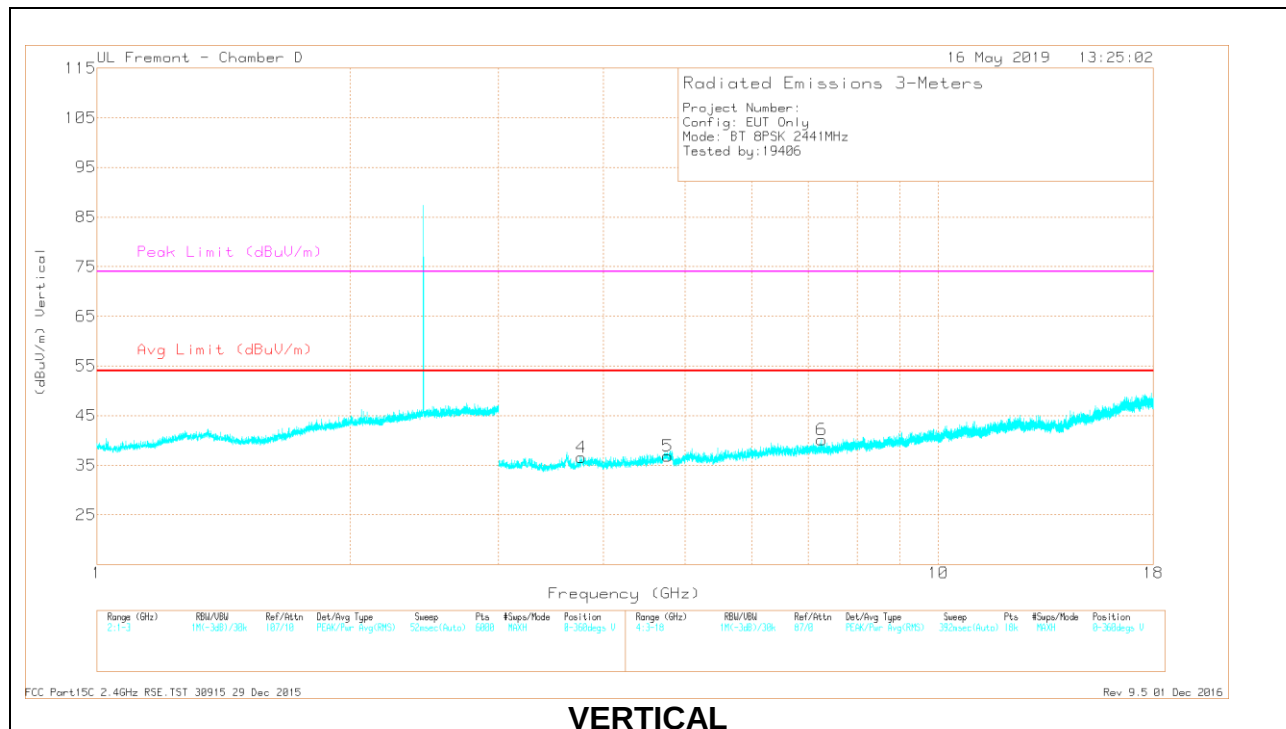
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

## MID CHANNEL RESULTS



## HORIZONTAL



## VERTICAL

## RADIATED EMISSIONS

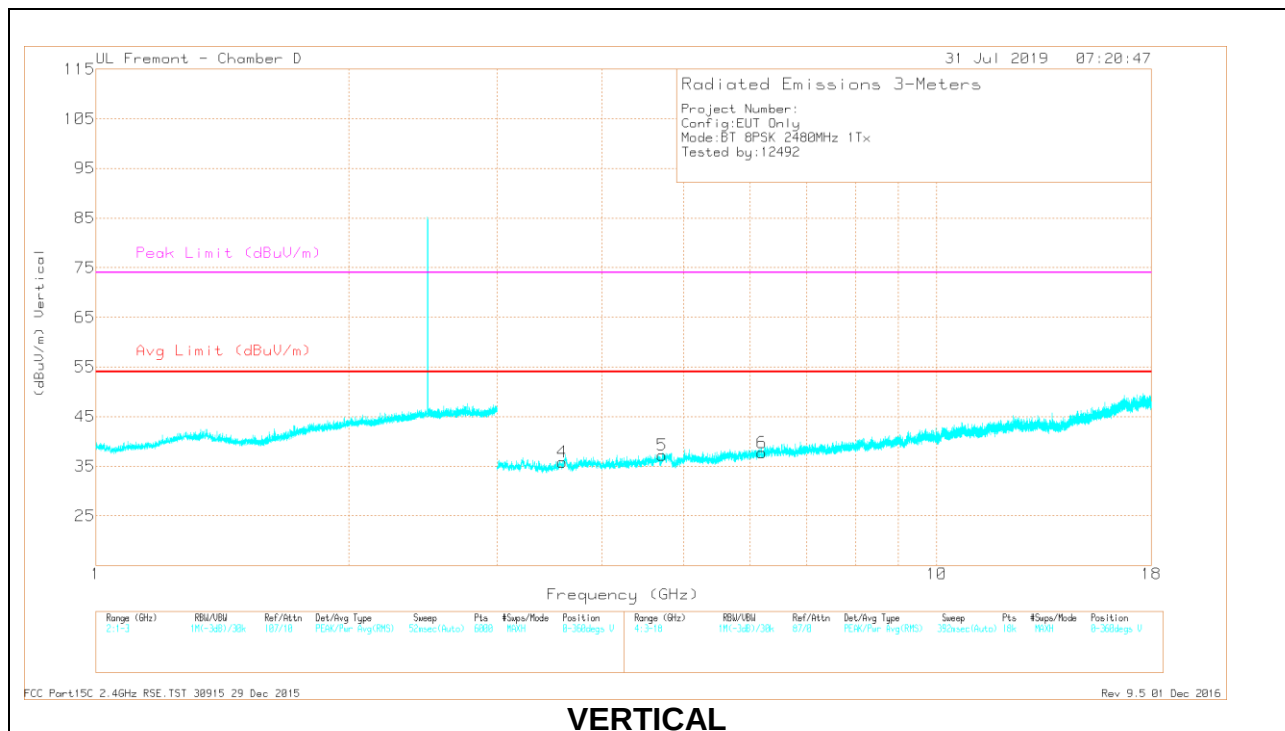
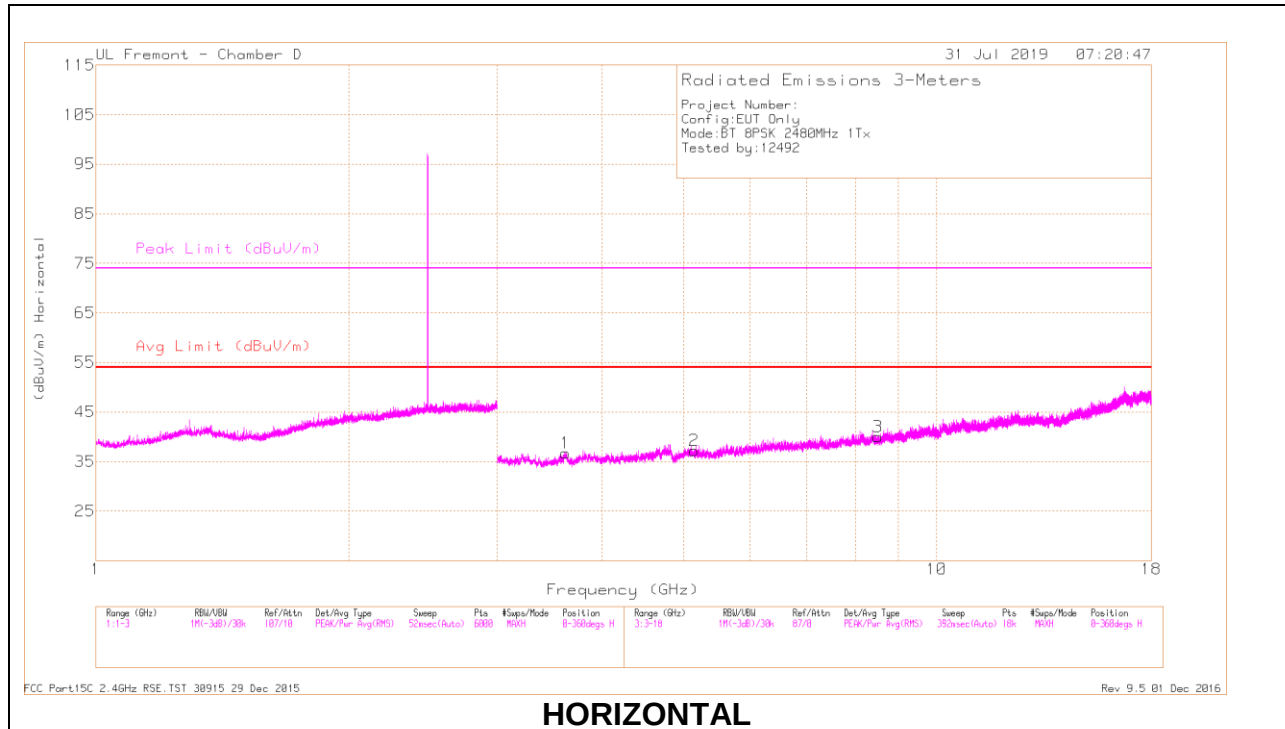
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T712 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 3.633         | 37.73                | PKFH | 33.1           | -28.5                  | 42.33                      | -                  | -           | 74                  | -31.67         | 115            | 222         | H        |
|        | * 3.633         | 25.69                | VA1T | 33.1           | -28.5                  | 30.29                      | 54                 | -23.71      | -                   | -              | 115            | 222         | H        |
| 2      | * 4.926         | 37.38                | PKFH | 33.9           | -28                    | 43.28                      | -                  | -           | 74                  | -30.72         | 328            | 279         | H        |
|        | * 4.928         | 24.17                | VA1T | 33.9           | -28                    | 30.07                      | 54                 | -23.93      | -                   | -              | 328            | 279         | H        |
| 3      | * 8.158         | 34.51                | PKFH | 35.7           | -23.1                  | 47.11                      | -                  | -           | 74                  | -26.89         | 299            | 337         | H        |
|        | * 8.158         | 20.59                | VA1T | 35.7           | -23.1                  | 33.19                      | 54                 | -20.81      | -                   | -              | 299            | 337         | H        |
| 4      | * 3.765         | 37.5                 | PKFH | 33.3           | -28                    | 42.8                       | -                  | -           | 74                  | -31.2          | 24             | 293         | V        |
|        | * 3.765         | 25.42                | VA1T | 33.3           | -28                    | 30.72                      | 54                 | -23.28      | -                   | -              | 24             | 293         | V        |
| 5      | * 4.767         | 37.16                | PKFH | 34             | -26.6                  | 44.56                      | -                  | -           | 74                  | -29.44         | 171            | 386         | V        |
|        | * 4.768         | 24.49                | VA1T | 34             | -26.6                  | 31.89                      | 54                 | -22.11      | -                   | -              | 171            | 386         | V        |
| 6      | * 7.267         | 34.97                | PKFH | 35.4           | -24.7                  | 45.67                      | -                  | -           | 74                  | -28.33         | 186            | 278         | V        |
|        | * 7.267         | 22.25                | VA1T | 35.4           | -24.7                  | 32.95                      | 54                 | -21.05      | -                   | -              | 186            | 278         | V        |

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

## HIGH CHANNEL RESULTS



### RADIATED EMISSIONS

| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Readin<br>g<br>(dBuV) | Det      | AF T712<br>(dB/m) | Amp/Cbl/Fitr/<br>Pad (dB) | Correcte<br>d<br>Reading<br>(dBuV/m) | Avg Limit<br>(dBuV/m) | Margin<br>(dB) | Peak Limit<br>(dBuV/m) | PK<br>Margin<br>(dB) | Azimu<br>t<br>(Degs) | Height<br>(cm) | Polarit<br>y |
|--------|------------------------|--------------------------------|----------|-------------------|---------------------------|--------------------------------------|-----------------------|----------------|------------------------|----------------------|----------------------|----------------|--------------|
| 1      | * 3.619                | 38.65                          | PKF<br>H | 33.5              | -28.3                     | 43.85                                | -                     | -              | 74                     | -30.15               | 313                  | 123            | H            |
|        | * 3.62                 | 25.97                          | VA1<br>T | 33.5              | -28.3                     | 31.17                                | 54                    | -22.83         | -                      | -                    | 313                  | 123            | H            |
| 2      | * 5.145                | 37.63                          | PKF<br>H | 34.1              | -27.8                     | 43.93                                | -                     | -              | 74                     | -30.07               | 276                  | 111            | H            |
|        | * 5.145                | 25.01                          | VA1<br>T | 34.1              | -27.8                     | 31.31                                | 54                    | -22.69         | -                      | -                    | 276                  | 111            | H            |
| 4      | * 3.586                | 37.61                          | PKF<br>H | 33.1              | -28.1                     | 42.61                                | -                     | -              | 74                     | -31.39               | 283                  | 178            | V            |
|        | * 3.589                | 25.22                          | VA1<br>T | 33.1              | -28.1                     | 30.22                                | 54                    | -23.78         | -                      | -                    | 283                  | 178            | V            |
| 5      | * 4.715                | 37.82                          | PKF<br>H | 33.9              | -26.9                     | 44.82                                | -                     | -              | 74                     | -29.18               | 185                  | 248            | V            |
|        | * 4.714                | 24.84                          | VA1<br>T | 33.9              | -26.9                     | 31.84                                | 54                    | -22.16         | -                      | -                    | 185                  | 248            | V            |
| 6      | 6.198                  | 23.34                          | VA1<br>T | 35.2              | -26.6                     | 31.94                                | -                     | -              | -                      | -                    | 70                   | 201            | V            |
|        | 6.2                    | 36.28                          | PKF<br>H | 35.2              | -26.6                     | 44.88                                | -                     | -              | -                      | -                    | 70                   | 201            | V            |
| 3      | 8.508                  | 34.07                          | PKF<br>H | 35.8              | -23.3                     | 46.57                                | -                     | -              | -                      | -                    | 240                  | 217            | H            |
|        | 8.509                  | 20.59                          | VA1<br>T | 35.8              | -23.3                     | 33.09                                | -                     | -              | -                      | -                    | 240                  | 217            | H            |

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

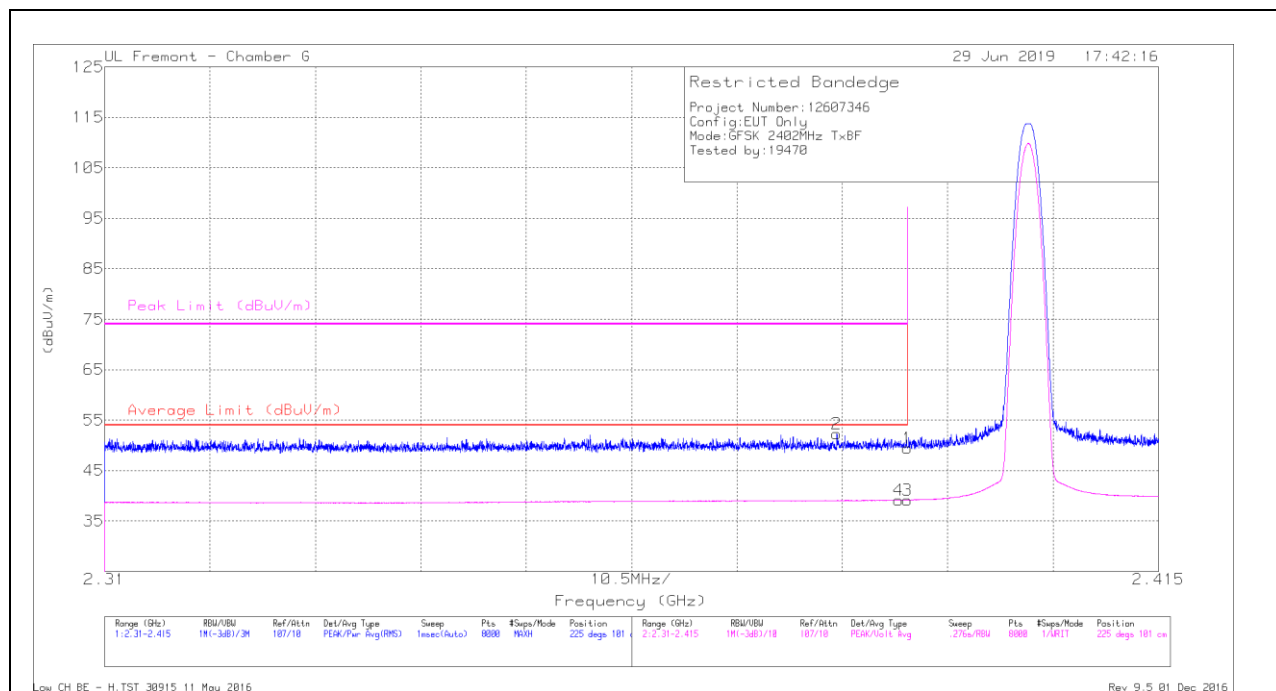
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

## 9.2. BEAMFORMING TRANSMITTER ABOVE 1 GHz

### 9.2.1. HIGH POWER BASIC DATA RATE GFSK MODULATION

#### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T120 (dB/m) | Amp/Cbl/Ftr/P ad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 39.73                | Pk   | 31.9           | -22.2                 | 49.43                      | -                      | -           | 74                  | -24.57         | 225            | 101         | H        |
| 2      | * 2.383         | 42.56                | Pk   | 31.9           | -22.2                 | 52.26                      | -                      | -           | 74                  | -21.74         | 225            | 101         | H        |
| 3      | * 2.39          | 29.44                | VA1T | 31.9           | -22.2                 | 39.14                      | 54                     | -14.86      | -                   | -              | 225            | 101         | H        |
| 4      | * 2.389         | 29.46                | VA1T | 31.9           | -22.2                 | 39.16                      | 54                     | -14.84      | -                   | -              | 225            | 101         | H        |

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

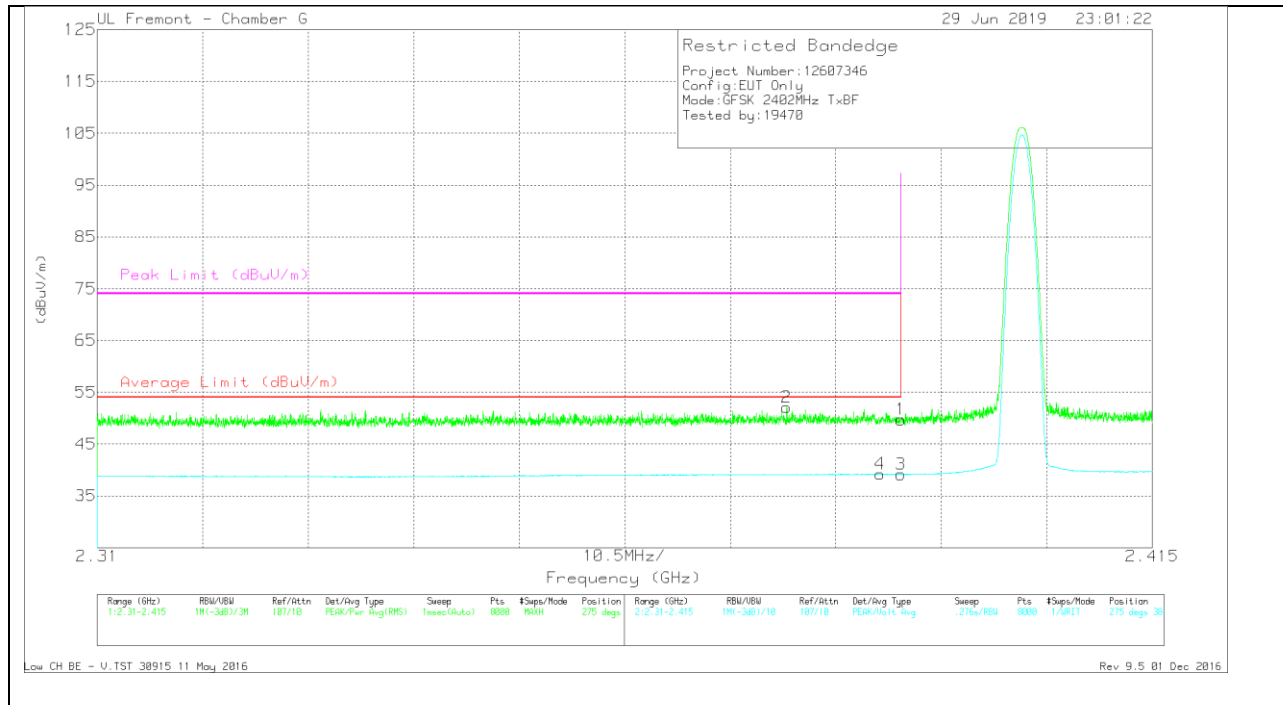
Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T120 (dB/m) | Amp/Cb/Filt/P ad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 2.379         | 42.49                | Pk   | 31.8           | -22.2                 | 52.09                      | -                      | -           | 74                  | -21.91         | 275            | 384         | V        |
| 4      | * 2.388         | 29.53                | VA1T | 31.9           | -22.2                 | 39.23                      | 54                     | -14.77      | -                   | -              | 275            | 384         | V        |
| 1      | * 2.39          | 40.04                | Pk   | 31.9           | -22.2                 | 49.74                      | -                      | -           | 74                  | -24.26         | 275            | 384         | V        |
| 3      | * 2.39          | 29.47                | VA1T | 31.9           | -22.2                 | 39.17                      | 54                     | -14.83      | -                   | -              | 275            | 384         | V        |

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

Pk - Peak detector

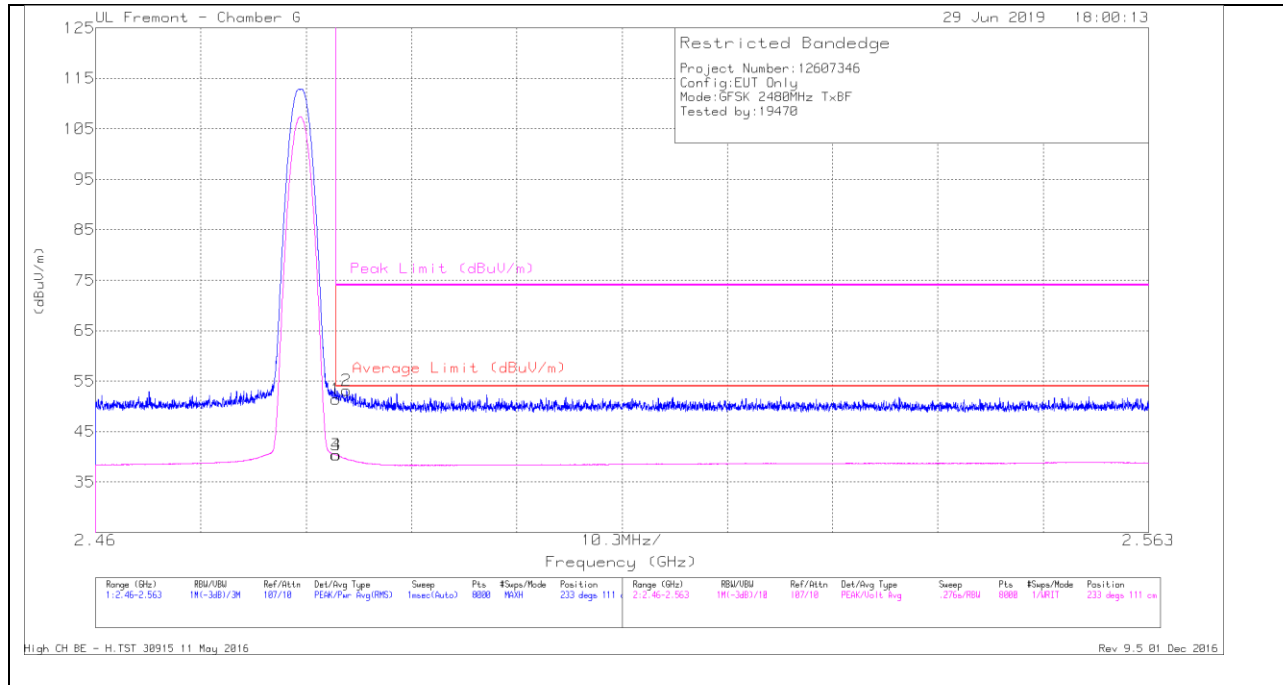
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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# BANDEDGE (HIGH CHANNEL)

## HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T120 (dB/m) | Ampl/Cbl/Filtr/P ad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|--------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 41.1                 | Pk   | 32.4           | -22.1                    | 51.4                       | -                      | -           | 74                  | -22.6          | 233            | 111         | H        |
| 2      | * 2.485         | 42.89                | Pk   | 32.4           | -22.1                    | 53.19                      | -                      | -           | 74                  | -20.81         | 233            | 111         | H        |
| 3      | * 2.484         | 30.08                | VA1T | 32.4           | -22.1                    | 40.38                      | 54                     | -13.62      | -                   | -              | 233            | 111         | H        |
| 4      | * 2.484         | 30.01                | VA1T | 32.4           | -22.1                    | 40.31                      | 54                     | -13.69      | -                   | -              | 233            | 111         | H        |

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

Pk - Peak detector

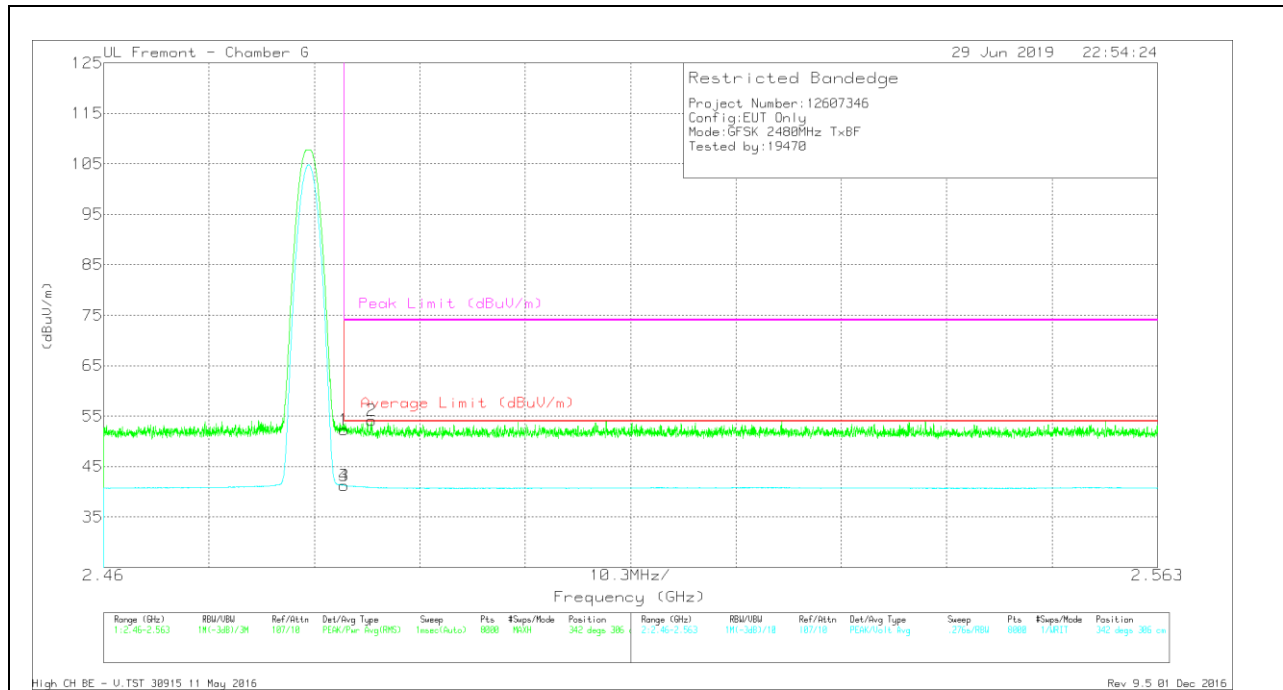
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T120 (dB/m) | Amp/Cb/Filt/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 42.01                | Pk   | 32.4           | -22.1                | 52.31                      | -                      | -           | 74                  | -21.69         | 342            | 306         | V        |
| 3      | * 2.484         | 30.97                | VA1T | 32.4           | -22.1                | 41.27                      | 54                     | -12.73      | -                   | -              | 342            | 306         | V        |
| 4      | * 2.484         | 30.97                | VA1T | 32.4           | -22.1                | 41.27                      | 54                     | -12.73      | -                   | -              | 342            | 306         | V        |
| 2      | * 2.486         | 43.95                | Pk   | 32.4           | -22.2                | 54.15                      | -                      | -           | 74                  | -19.85         | 342            | 306         | V        |

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

Pk - Peak detector

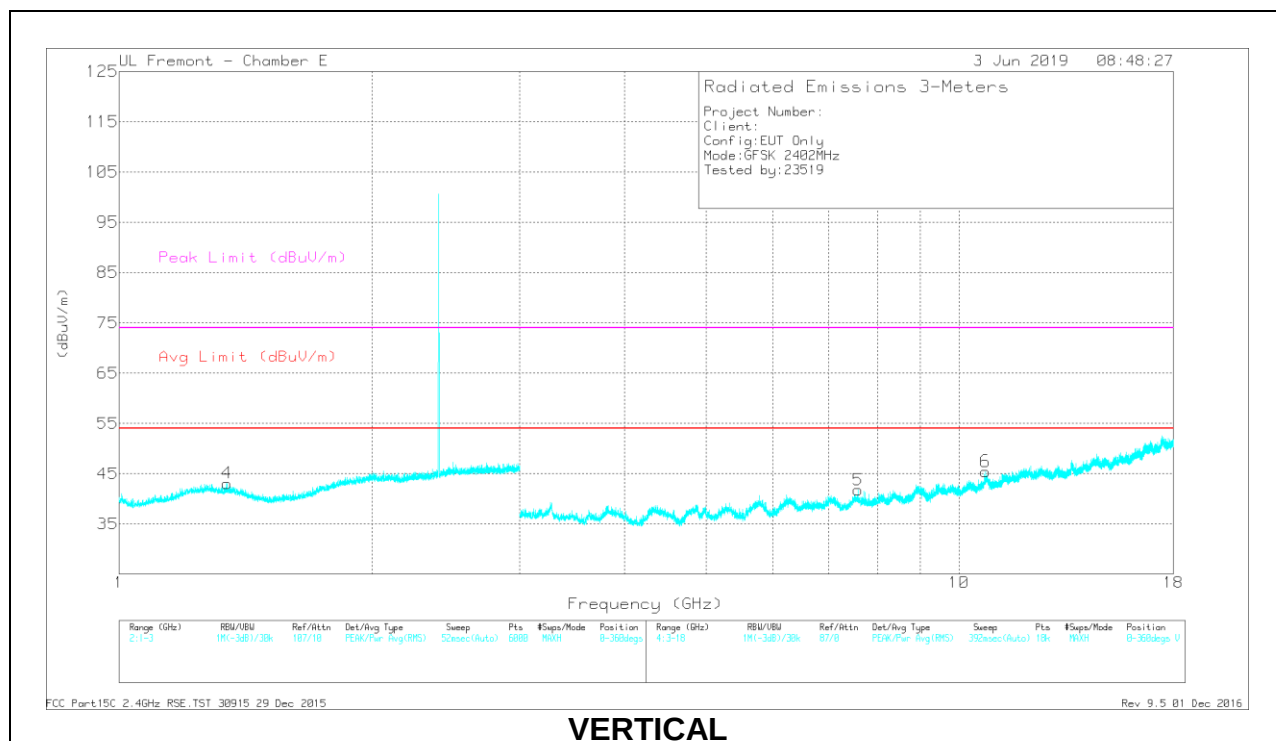
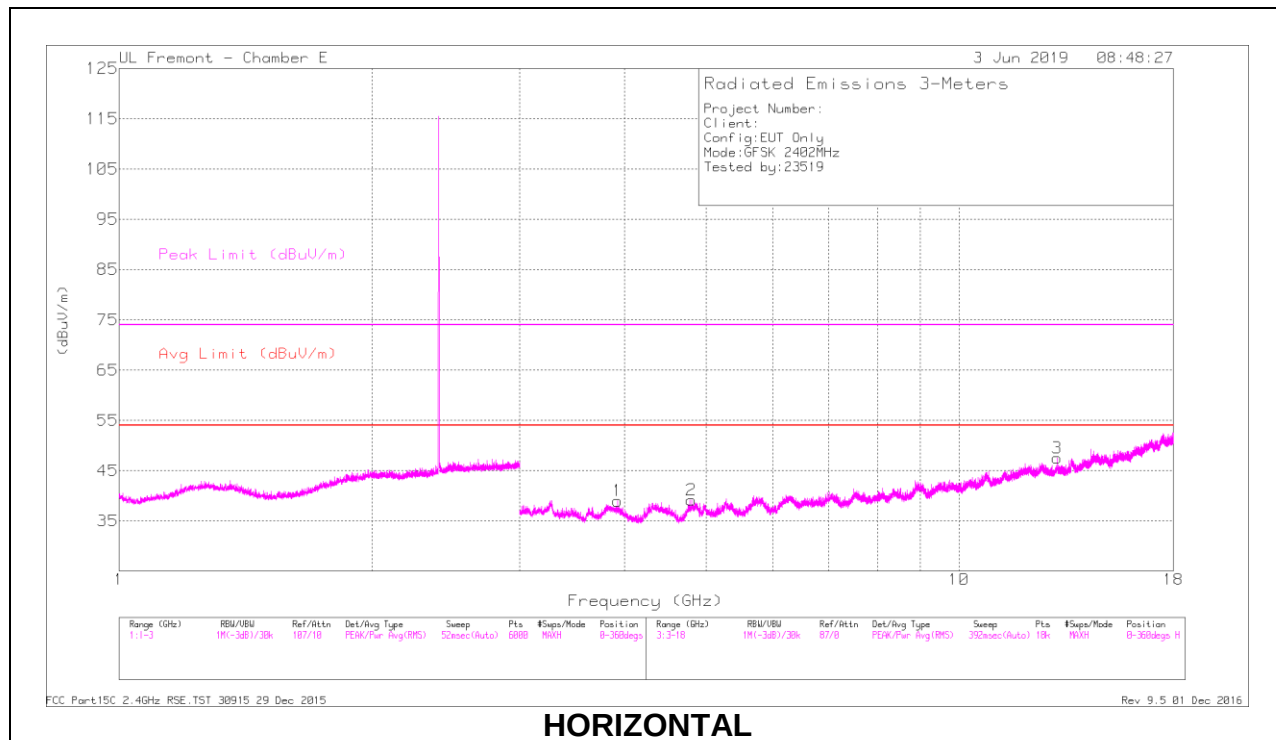
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



## RADIATED EMISSIONS

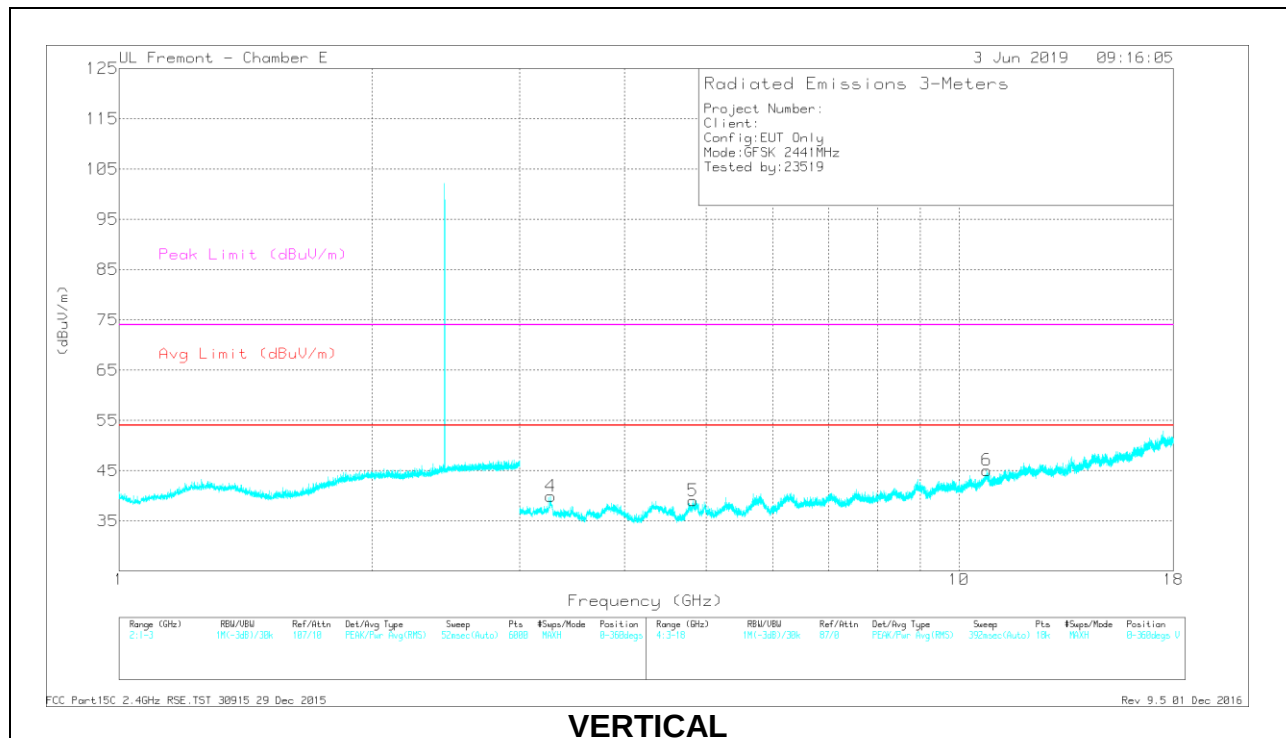
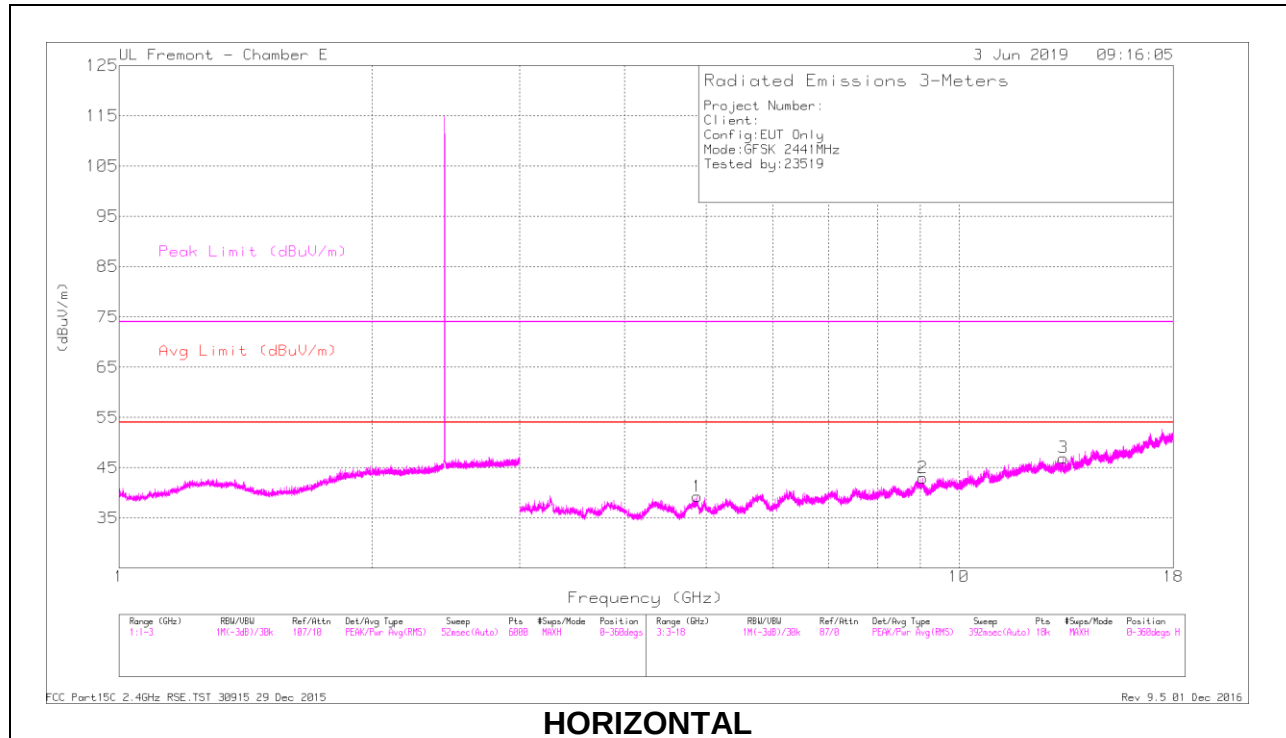
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 3.923         | 41.25                | PKFH | 33.4           | -30.8                  | 43.85                      | -                  | -           | 74                  | -30.15         | 142            | 241         | H        |
|        | * 3.922         | 29.6                 | VA1T | 33.4           | -30.8                  | 32.2                       | 54                 | -21.8       | -                   | -              | 142            | 241         | H        |
| 2      | * 4.803         | 40.83                | PKFH | 34.1           | -30.5                  | 44.43                      | -                  | -           | 74                  | -29.57         | 206            | 309         | H        |
|        | * 4.804         | 29.36                | VA1T | 34.1           | -30.4                  | 33.06                      | 54                 | -20.94      | -                   | -              | 206            | 309         | H        |
| 3      | 13.088          | 34.77                | PKFH | 39             | -21.1                  | 52.67                      | -                  | -           | -                   | -              | 80             | 191         | H        |
| 4      | * 1.342         | 45.21                | PKFH | 29.6           | -26.2                  | 48.61                      | -                  | -           | 74                  | -25.39         | 259            | 194         | V        |
|        | * 1.345         | 32.73                | VA1T | 29.6           | -26.2                  | 36.13                      | 54                 | -17.87      | -                   | -              | 259            | 194         | V        |
| 5      | * 7.584         | 37.16                | PKFH | 35.8           | -26.8                  | 46.16                      | -                  | -           | 74                  | -27.84         | 176            | 277         | V        |
|        | * 7.582         | 25.57                | VA1T | 35.7           | -26.7                  | 34.57                      | 54                 | -19.43      | -                   | -              | 176            | 277         | V        |
| 6      | * 10.754        | 36.22                | PKFH | 38             | -23.7                  | 50.52                      | -                  | -           | 74                  | -23.48         | 245            | 233         | V        |
|        | * 10.753        | 24.2                 | VA1T | 38             | -23.7                  | 38.5                       | 54                 | -15.5       | -                   | -              | 245            | 233         | V        |

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

## MID CHANNEL RESULTS



## RADIATED EMISSIONS

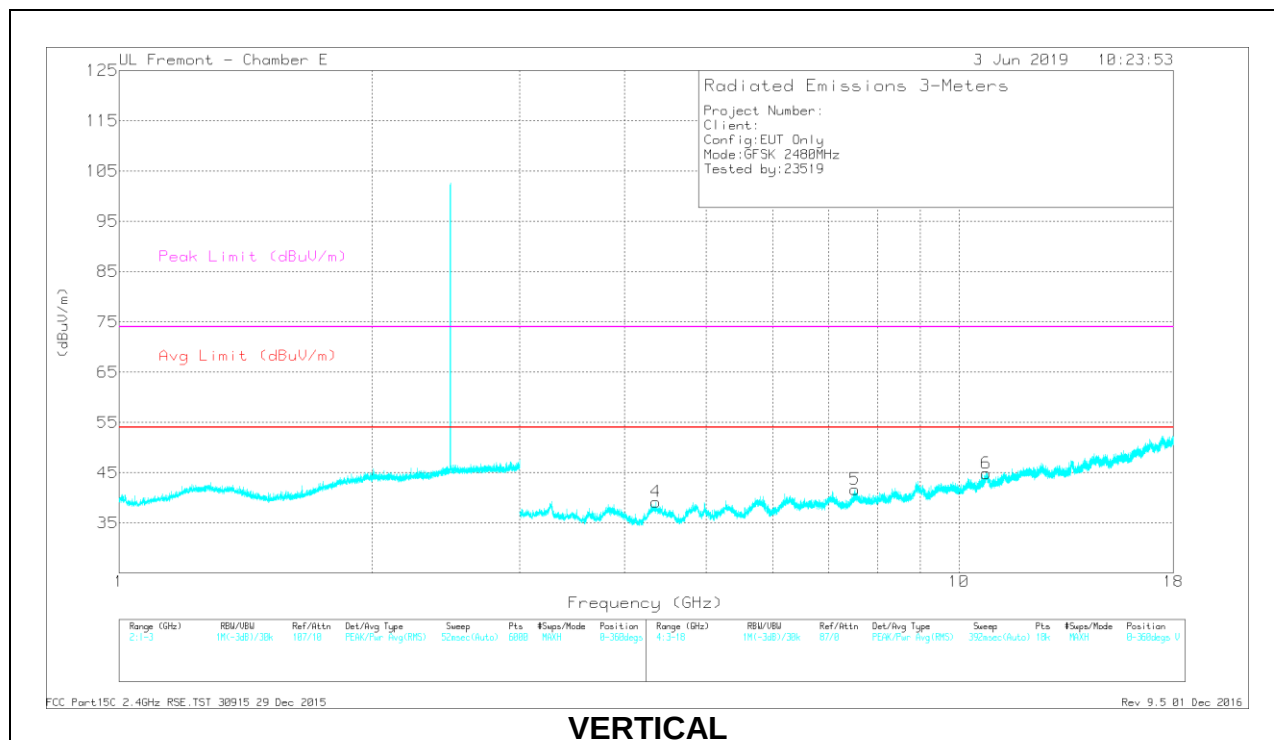
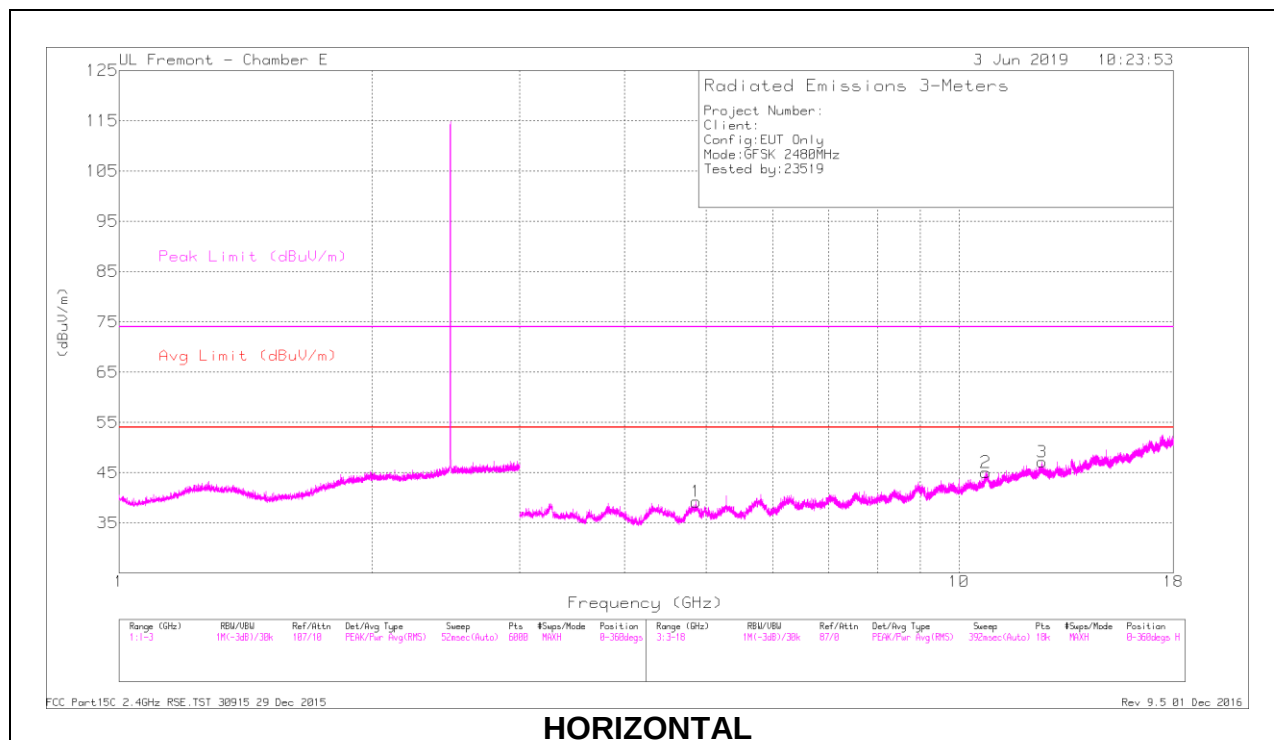
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 4.882         | 40.87                | PKFH | 34             | -30                    | 44.87                      | -                  | -           | 74                  | -29.13         | 176            | 192         | H        |
|        | * 4.882         | 29.75                | VA1T | 34             | -30                    | 33.75                      | 54                 | -20.25      | -                   | -              | 176            | 192         | H        |
| 2      | * 9.062         | 37.26                | PKFH | 36.2           | -24.3                  | 49.16                      | -                  | -           | 74                  | -24.84         | 135            | 238         | H        |
|        | * 9.062         | 24.55                | VA1T | 36.2           | -24.3                  | 36.45                      | 54                 | -17.55      | -                   | -              | 135            | 238         | H        |
| 3      | * 13.308        | 34.1                 | PKFH | 39             | -21.9                  | 51.2                       | -                  | -           | 74                  | -22.8          | 242            | 303         | H        |
|        | * 13.311        | 22.63                | VA1T | 39             | -21.9                  | 39.73                      | 54                 | -14.27      | -                   | -              | 242            | 303         | H        |
| 4      | * 3.263         | 43.2                 | PKFH | 35.1           | -33.3                  | 45                         | -                  | -           | 74                  | -29            | 299            | 400         | V        |
|        | * 3.267         | 31.8                 | VA1T | 35             | -33.4                  | 33.4                       | 54                 | -20.6       | -                   | -              | 299            | 400         | V        |
| 5      | * 4.82          | 40.43                | PKFH | 34.1           | -30.2                  | 44.33                      | -                  | -           | 74                  | -29.67         | 199            | 303         | V        |
|        | * 4.823         | 28.66                | VA1T | 34.1           | -30.1                  | 32.66                      | 54                 | -21.34      | -                   | -              | 199            | 303         | V        |
| 6      | * 10.788        | 35.83                | PKFH | 37.9           | -22.9                  | 50.83                      | -                  | -           | 74                  | -23.17         | 281            | 246         | V        |
|        | * 10.79         | 23.99                | VA1T | 37.9           | -22.9                  | 38.99                      | 54                 | -15.01      | -                   | -              | 281            | 246         | V        |

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

## HIGH CHANNEL RESULTS



## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 4.865         | 40.54                | PKFH | 34             | -29.8                  | 44.74                      | -                  | -           | 74                  | -29.26         | 36             | 111         | H        |
|        | * 4.868         | 28.62                | VA1T | 34             | -29.8                  | 32.82                      | 54                 | -21.18      | -                   | -              | 36             | 111         | H        |
| 2      | * 10.766        | 36.43                | PKFH | 37.9           | -23.4                  | 50.93                      | -                  | -           | 74                  | -23.07         | 272            | 204         | H        |
|        | * 10.764        | 24.02                | VA1T | 37.9           | -23.5                  | 38.42                      | 54                 | -15.58      | -                   | -              | 272            | 204         | H        |
| 3      | * 12.559        | 35.1                 | PKFH | 39.1           | -21.3                  | 52.9                       | -                  | -           | 74                  | -21.1          | 178            | 343         | H        |
|        | * 12.559        | 22.65                | VA1T | 39.1           | -21.3                  | 40.45                      | 54                 | -13.55      | -                   | -              | 178            | 343         | H        |
| 4      | * 4.359         | 40.14                | PKFH | 33.7           | -29.5                  | 44.34                      | -                  | -           | 74                  | -29.66         | 250            | 300         | V        |
|        | * 4.358         | 28.75                | VA1T | 33.7           | -29.6                  | 32.85                      | 54                 | -21.15      | -                   | -              | 250            | 300         | V        |
| 5      | * 7.525         | 37.32                | PKFH | 35.7           | -26.5                  | 46.52                      | -                  | -           | 74                  | -27.48         | 338            | 258         | V        |
|        | * 7.523         | 25.55                | VA1T | 35.7           | -26.5                  | 34.75                      | 54                 | -19.25      | -                   | -              | 338            | 258         | V        |
| 6      | * 10.781        | 36.66                | PKFH | 37.9           | -23.1                  | 51.46                      | -                  | -           | 74                  | -22.54         | 241            | 316         | V        |
|        | * 10.781        | 24.08                | VA1T | 37.9           | -23.1                  | 38.88                      | 54                 | -15.12      | -                   | -              | 241            | 316         | V        |

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

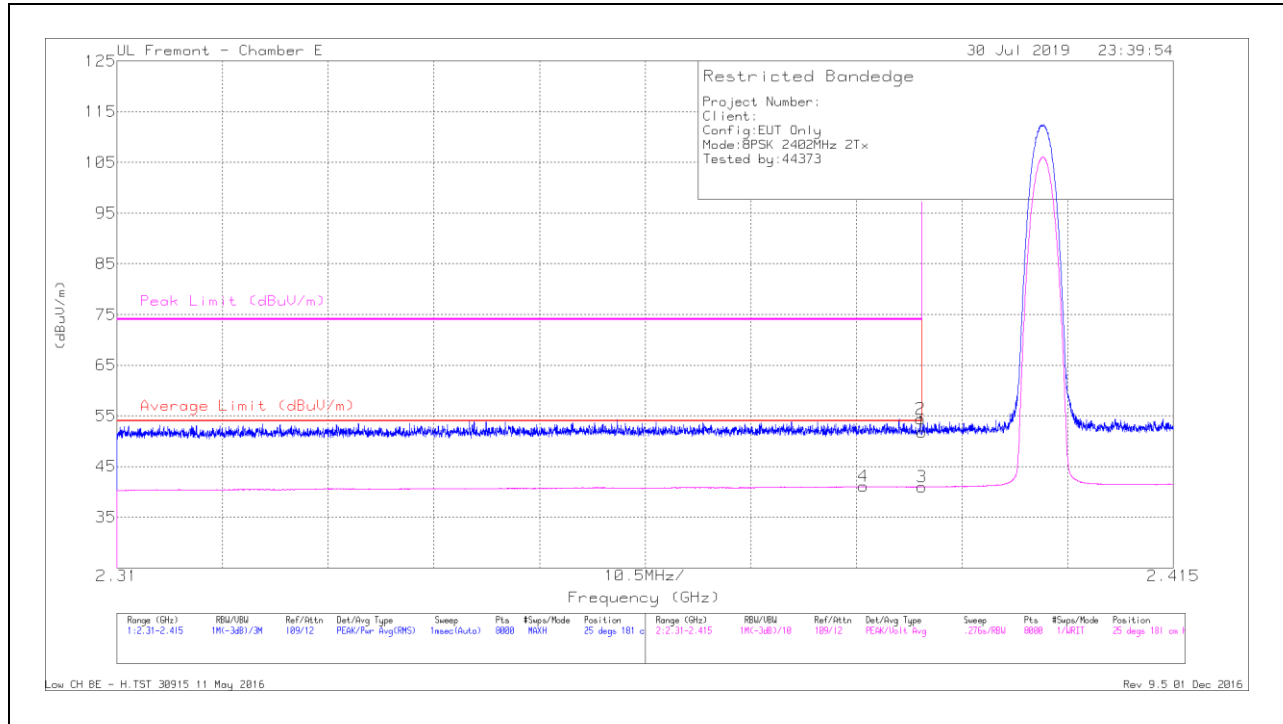
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

## 9.2.2. HIGH POWER ENHANCED DATA RATE 8PSK MODULATION

### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T119 (dB/m) | Amp/Cbl/Ftr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 4      | * 2.384         | 26.95                | VA1T | 32.3           | -18.2                | 41.05                      | 54                     | -12.95      | -                   | -              | 25             | 181         | H        |
| 1      | * 2.39          | 37.74                | Pk   | 32.3           | -18.3                | 51.74                      | -                      | -           | 74                  | -22.26         | 25             | 181         | H        |
| 2      | * 2.39          | 40.39                | Pk   | 32.3           | -18.3                | 54.39                      | -                      | -           | 74                  | -19.61         | 25             | 181         | H        |
| 3      | * 2.39          | 26.97                | VA1T | 32.3           | -18.3                | 40.97                      | 54                     | -13.03      | -                   | -              | 25             | 181         | H        |

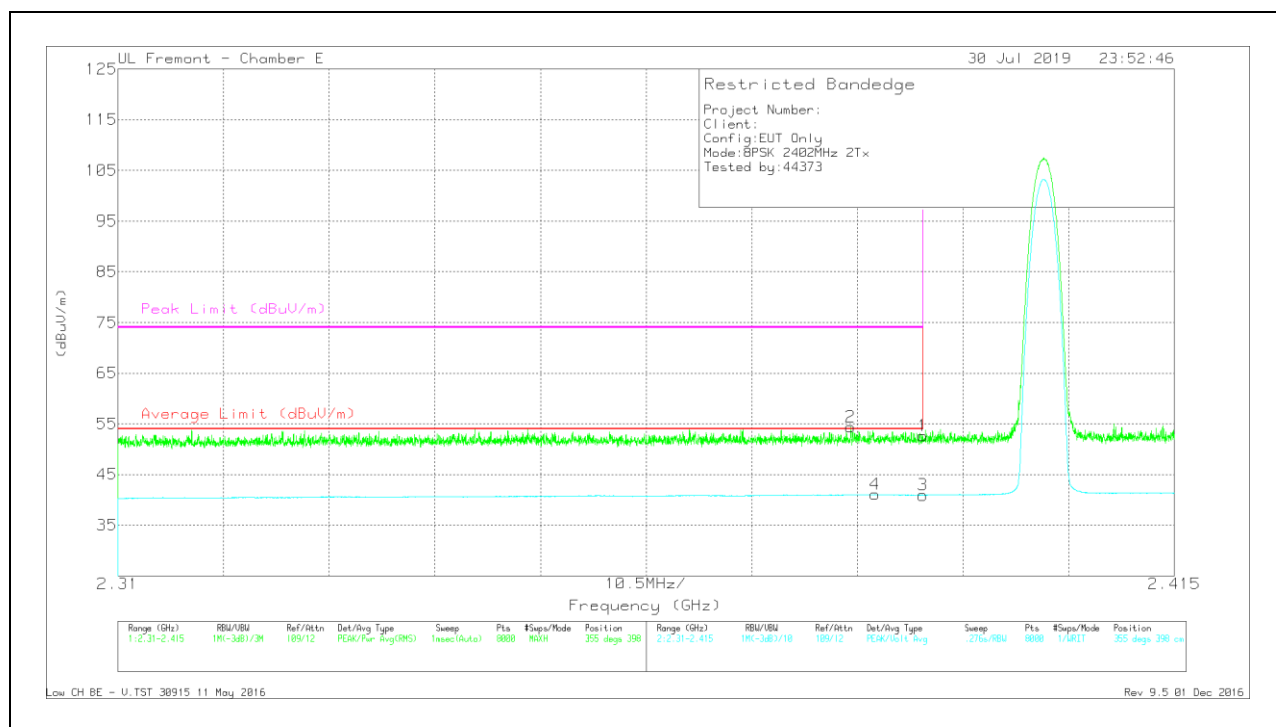
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration



## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 2.383         | 40.4                 | Pk   | 32.3           | -18.3                  | 54.4                       | -                      | -           | 74                  | -19.6          | 355            | 398         | V        |
| 4      | * 2.385         | 26.95                | VA1T | 32.3           | -18.2                  | 41.05                      | 54                     | -12.95      | -                   | -              | 355            | 398         | V        |
| 1      | * 2.39          | 38.64                | Pk   | 32.3           | -18.3                  | 52.64                      | -                      | -           | 74                  | -21.36         | 355            | 398         | V        |
| 3      | * 2.39          | 26.92                | VA1T | 32.3           | -18.3                  | 40.92                      | 54                     | -13.08      | -                   | -              | 355            | 398         | V        |

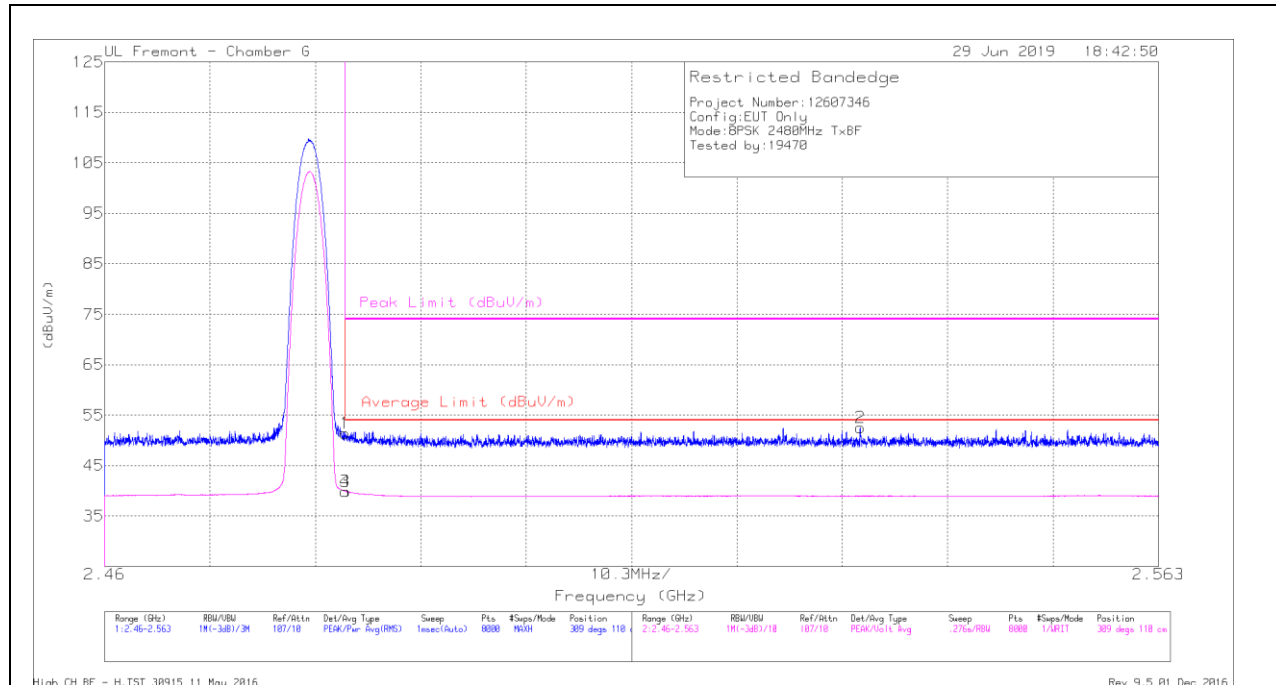
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

# BANEDGE (HIGH CHANNEL)

## HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T120 (dBm) | Ampl/Cbl/Filtr/P ad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|---------------|--------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 41.06                | Pk   | 32.4          | -22.1                    | 51.36                      | -                      | -           | 74                  | -22.64         | 309            | 110         | H        |
| 3      | * 2.484         | 29.59                | VA1T | 32.4          | -22.1                    | 39.89                      | 54                     | -14.11      | -                   | -              | 309            | 110         | H        |
| 4      | * 2.484         | 29.58                | VA1T | 32.4          | -22.1                    | 39.88                      | 54                     | -14.12      | -                   | -              | 309            | 110         | H        |
| 2      | 2.534           | 42.37                | Pk   | 32.4          | -22.2                    | 52.57                      | -                      | -           | 74                  | -21.43         | 309            | 110         | H        |

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

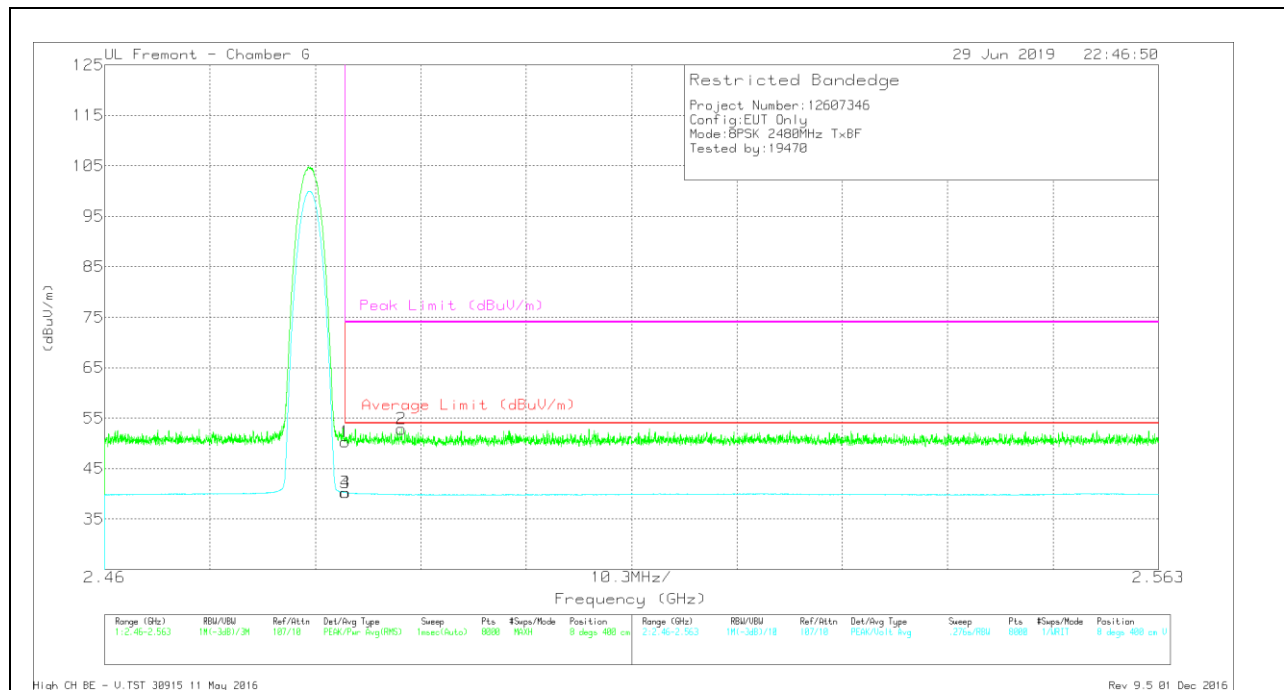
Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T120 (dB/m) | Amp/Cb/Filt/P ad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 40.01                | Pk   | 32.4           | -22.1                 | 50.31                      | -                      | -           | 74                  | -23.69         | 8              | 400         | V        |
| 3      | * 2.484         | 29.93                | VA1T | 32.4           | -22.1                 | 40.23                      | 54                     | -13.77      | -                   | -              | 8              | 400         | V        |
| 4      | * 2.484         | 29.94                | VA1T | 32.4           | -22.1                 | 40.24                      | 54                     | -13.76      | -                   | -              | 8              | 400         | V        |
| 2      | * 2.489         | 42.64                | Pk   | 32.4           | -22.2                 | 52.84                      | -                      | -           | 74                  | -21.16         | 8              | 400         | V        |

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

Pk - Peak detector

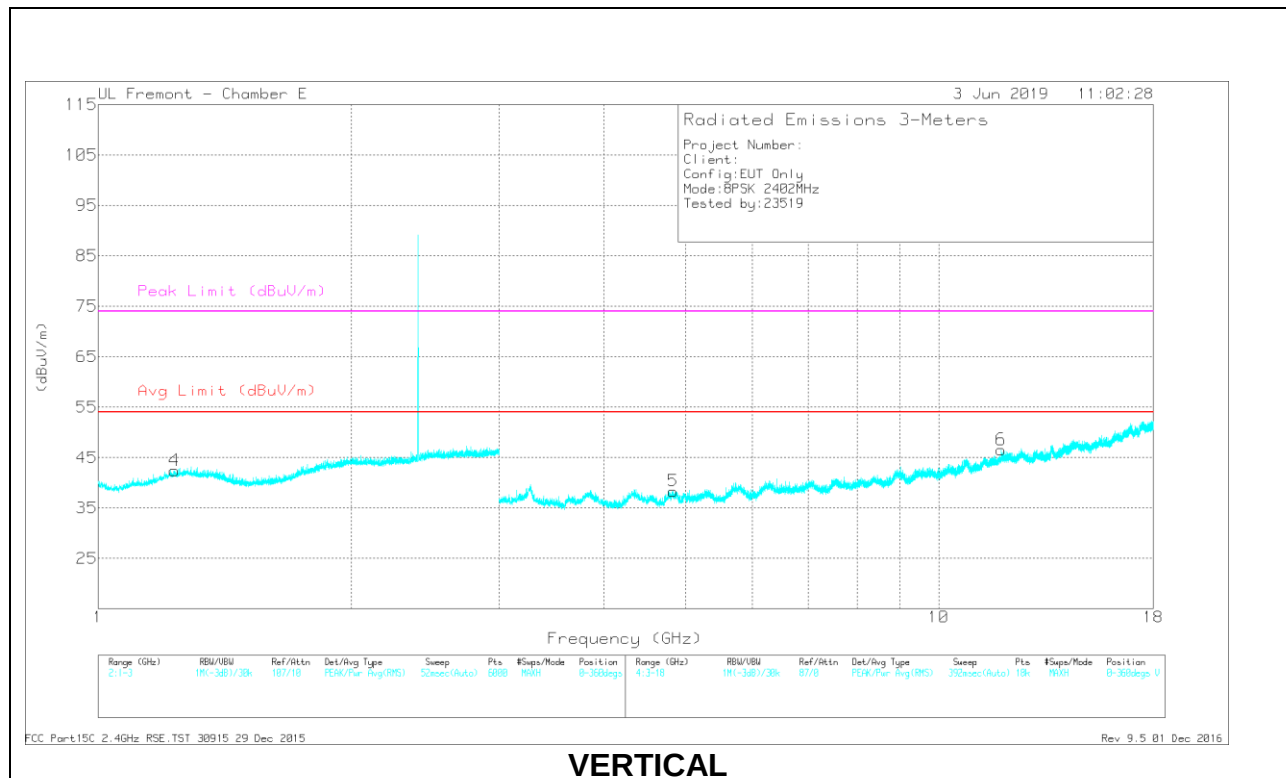
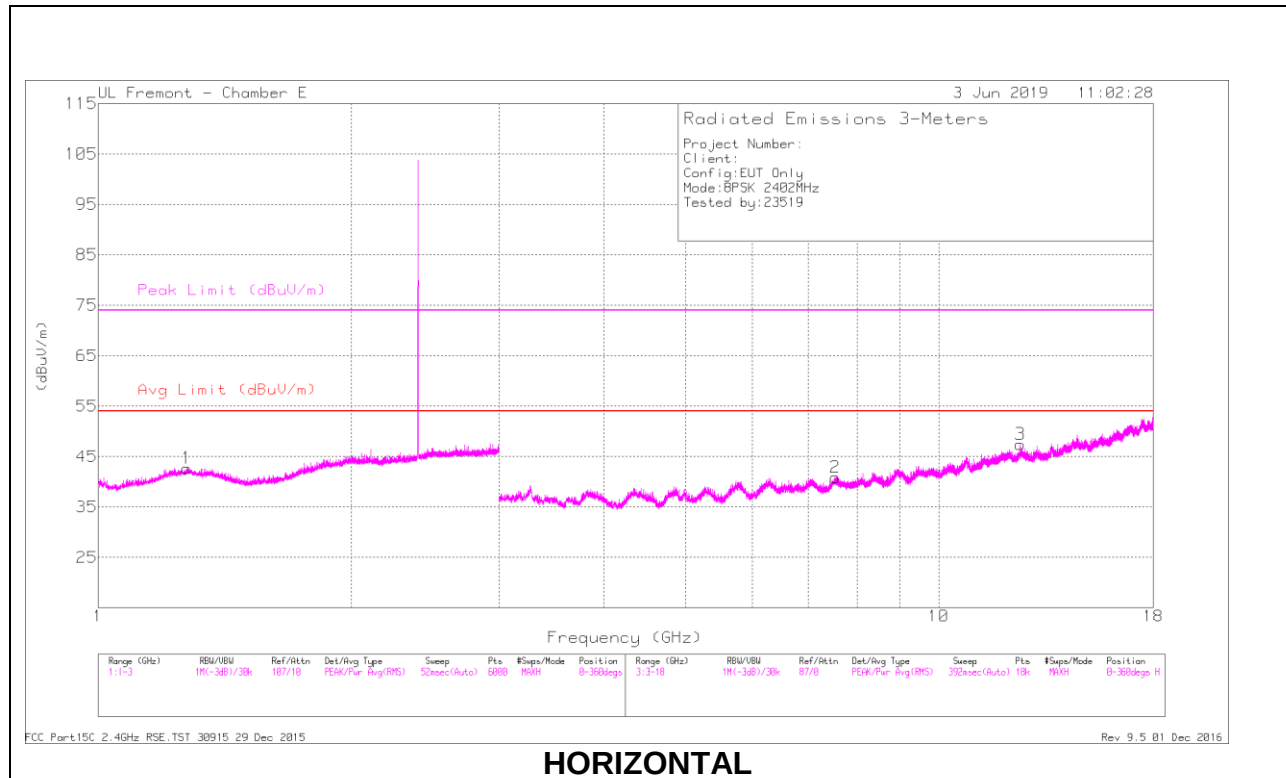
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



## RADIATED EMISSIONS

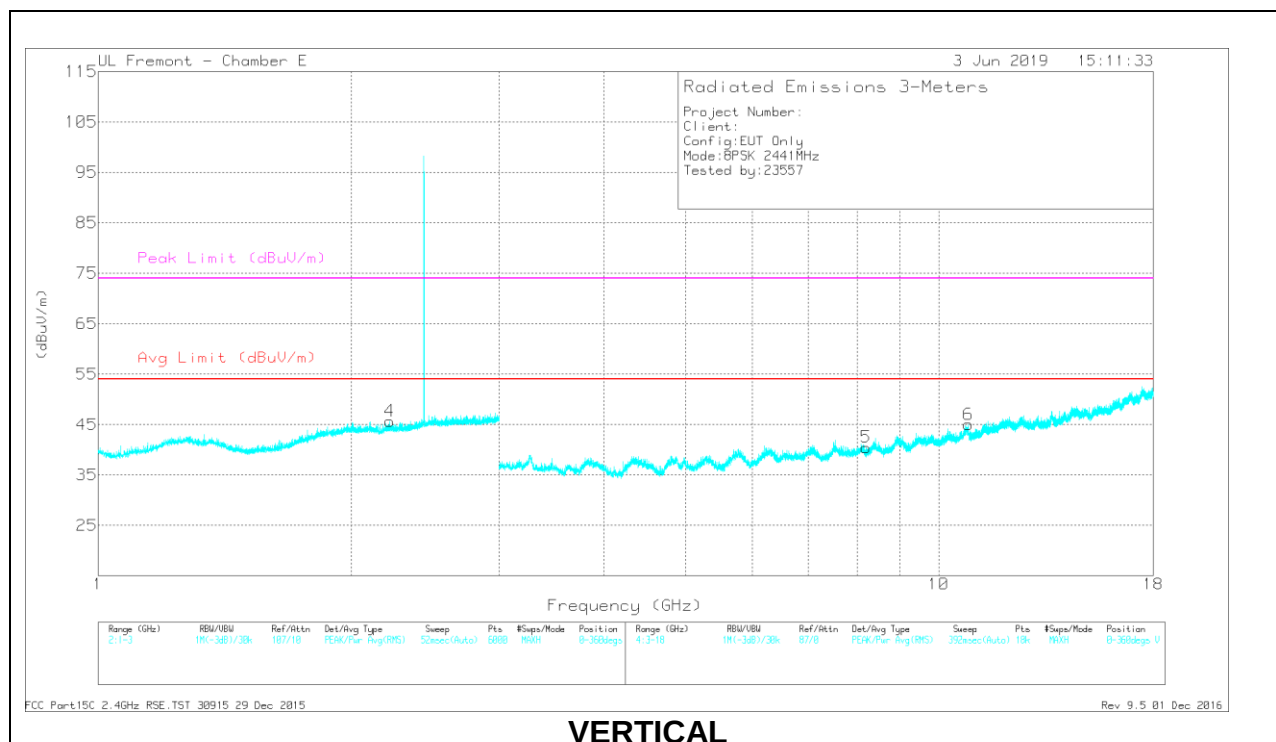
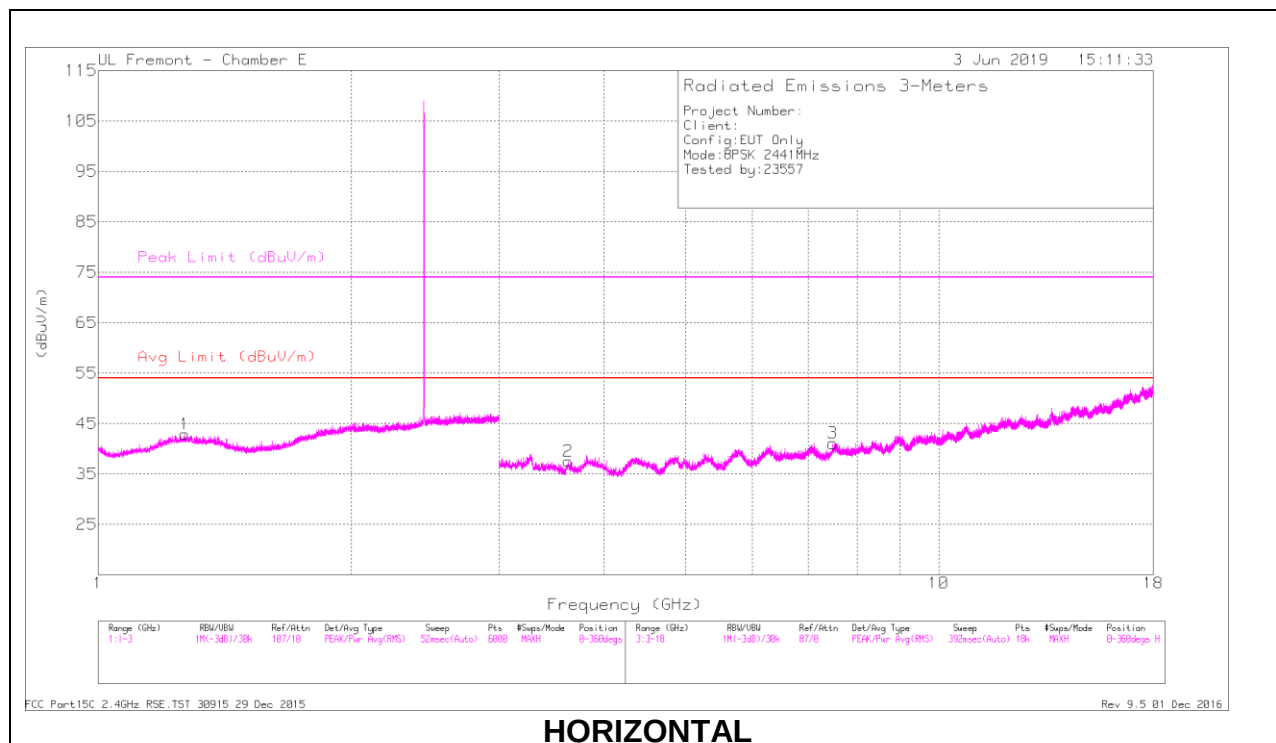
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.275         | 45.11                | PKFH | 30.2           | -26.2                  | 49.11                      | -                  | -           | 74                  | -24.89         | 315            | 113         | H        |
|        | * 1.277         | 32.69                | VA1T | 30.2           | -26.2                  | 36.69                      | 54                 | -17.31      | -                   | -              | 315            | 113         | H        |
| 2      | * 7.532         | 37.44                | PKFH | 35.7           | -26.4                  | 46.74                      | -                  | -           | 74                  | -27.26         | 242            | 398         | H        |
|        | * 7.529         | 25.59                | VA1T | 35.7           | -26.4                  | 34.89                      | 54                 | -19.11      | -                   | -              | 242            | 398         | H        |
| 3      | * 12.505        | 35.2                 | PKFH | 39             | -21.5                  | 52.7                       | -                  | -           | 74                  | -21.3          | 322            | 147         | H        |
|        | * 12.504        | 22.68                | VA1T | 39             | -21.5                  | 40.18                      | 54                 | -13.82      | -                   | -              | 322            | 147         | H        |
| 4      | * 1.235         | 44.56                | PKFH | 29.9           | -26.1                  | 48.36                      | -                  | -           | 74                  | -25.64         | 255            | 207         | V        |
|        | * 1.232         | 32.56                | VA1T | 29.9           | -26.1                  | 36.36                      | 54                 | -17.64      | -                   | -              | 255            | 207         | V        |
| 5      | * 4.828         | 40.67                | PKFH | 34.1           | -30                    | 44.77                      | -                  | -           | 74                  | -29.23         | 231            | 253         | V        |
|        | * 4.827         | 28.77                | VA1T | 34.1           | -30                    | 32.87                      | 54                 | -21.13      | -                   | -              | 231            | 253         | V        |
| 6      | * 11.863        | 34.82                | PKFH | 38.9           | -22.2                  | 51.52                      | -                  | -           | 74                  | -22.48         | 147            | 231         | V        |
|        | * 11.863        | 22.95                | VA1T | 39             | -22.2                  | 39.75                      | 54                 | -14.25      | -                   | -              | 147            | 231         | V        |

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

## MID CHANNEL RESULTS



## RADIATED EMISSIONS

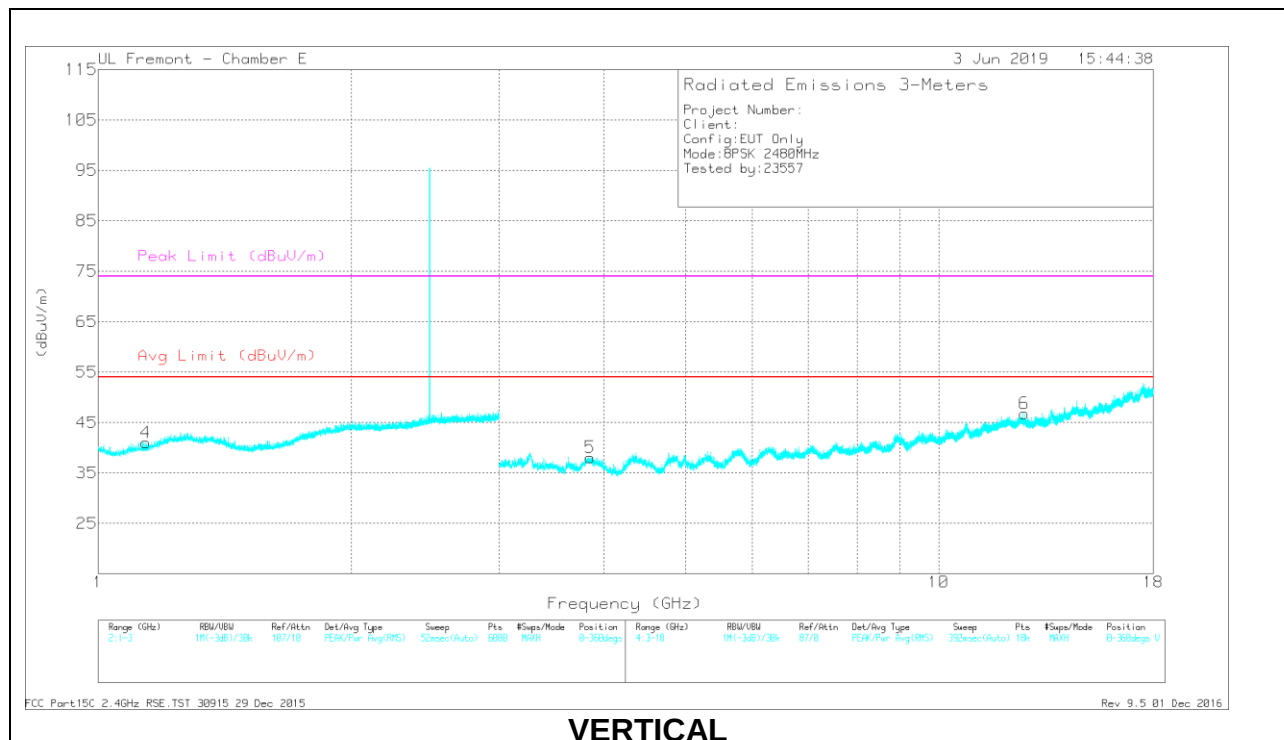
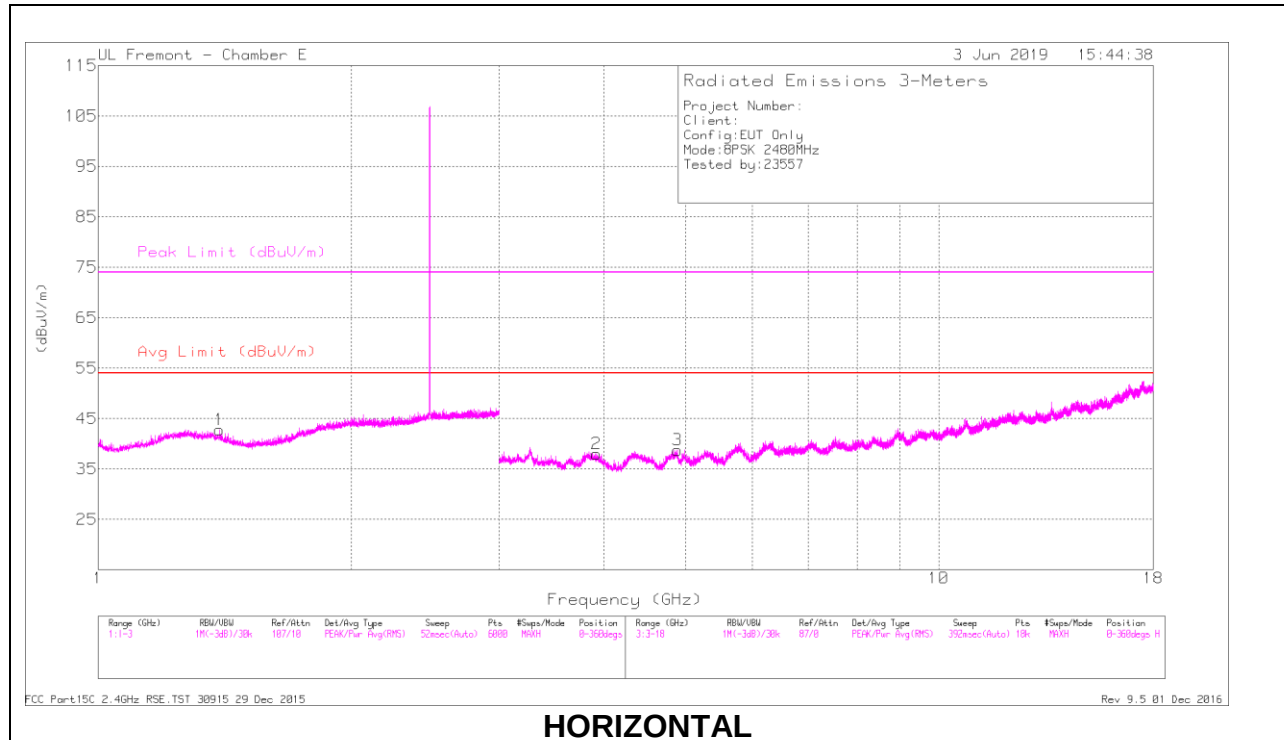
| Markers | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1       | * 1.27          | 44.31                | PKFH | 30             | -26.2                  | 48.11                      | -                  | -           | 74                  | -25.89         | 120            | 157         | H        |
|         | * 1.27          | 32.59                | VA1T | 30.1           | -26.2                  | 36.49                      | 54                 | -17.51      | -                   | -              | 120            | 157         | H        |
| 2       | * 3.625         | 42.42                | PKFH | 33.5           | -32.9                  | 43.02                      | -                  | -           | 74                  | -30.98         | 212            | 244         | H        |
|         | * 3.626         | 30.38                | VA1T | 33.5           | -32.9                  | 30.98                      | 54                 | -23.02      | -                   | -              | 212            | 244         | H        |
| 3       | * 7.485         | 38.25                | PKFH | 35.6           | -26.8                  | 47.05                      | -                  | -           | 74                  | -26.95         | 307            | 154         | H        |
|         | * 7.482         | 25.73                | VA1T | 35.7           | -26.9                  | 34.53                      | 54                 | -19.47      | -                   | -              | 307            | 154         | H        |
| 4       | * 2.225         | 44.66                | PKFH | 32             | -26.4                  | 50.26                      | -                  | -           | 74                  | -23.74         | 355            | 190         | V        |
|         | * 2.223         | 33.09                | VA1T | 32             | -26.4                  | 38.69                      | 54                 | -15.31      | -                   | -              | 355            | 190         | V        |
| 5       | * 8.189         | 37.45                | PKFH | 35.8           | -27                    | 46.25                      | -                  | -           | 74                  | -27.75         | 28             | 398         | V        |
|         | * 8.191         | 25.4                 | VA1T | 35.8           | -27                    | 34.2                       | 54                 | -19.8       | -                   | -              | 28             | 398         | V        |
| 6       | * 10.849        | 36.22                | PKFH | 37.9           | -23.9                  | 50.22                      | -                  | -           | 74                  | -23.78         | 80             | 311         | V        |
|         | * 10.848        | 24.24                | VA1T | 37.9           | -23.9                  | 38.24                      | 54                 | -15.76      | -                   | -              | 80             | 311         | V        |

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

## HIGH CHANNEL RESULTS





## RADIATED EMISSIONS

| Markers | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
|         | * 1.395         | 44.62                | PKFH | 29.2           | -26.2                  | 47.62                      | -                  | -           | 74                  | -26.38         | 102            | 166         | H        |
| 1       | * 1.396         | 32.75                | VA1T | 29.2           | -26.2                  | 35.75                      | 54                 | -18.25      | -                   | -              | 102            | 166         | H        |
|         | * 1.141         | 44.08                | PKFH | 28.1           | -25.9                  | 46.28                      | -                  | -           | 74                  | -27.72         | 50             | 153         | V        |
| 4       | * 1.141         | 32.38                | VA1T | 28.1           | -25.9                  | 34.58                      | 54                 | -19.42      | -                   | -              | 50             | 153         | V        |
|         | * 3.916         | 41.79                | PKFH | 33.4           | -30.8                  | 44.39                      | -                  | -           | 74                  | -29.61         | 158            | 346         | H        |
| 2       | * 3.918         | 29.66                | VA1T | 33.4           | -30.8                  | 32.26                      | 54                 | -21.74      | -                   | -              | 158            | 346         | H        |
|         | * 4.891         | 40.31                | PKFH | 33.9           | -30.1                  | 44.11                      | -                  | -           | 74                  | -29.89         | 17             | 396         | H        |
| 3       | * 4.891         | 28.77                | VA1T | 33.9           | -30.1                  | 32.57                      | 54                 | -21.43      | -                   | -              | 17             | 396         | H        |
|         | * 3.846         | 41.93                | PKFH | 33.4           | -30.7                  | 44.63                      | -                  | -           | 74                  | -29.37         | 161            | 336         | V        |
| 5       | * 3.847         | 29.66                | VA1T | 33.4           | -30.6                  | 32.46                      | 54                 | -21.54      | -                   | -              | 161            | 336         | V        |
|         | * 12.641        | 34.82                | PKFH | 39.1           | -21.7                  | 52.22                      | -                  | -           | 74                  | -21.78         | 289            | 291         | V        |
| 6       | * 12.641        | 22.44                | VA1T | 39.1           | -21.7                  | 39.84                      | 54                 | -14.16      | -                   | -              | 289            | 291         | V        |

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

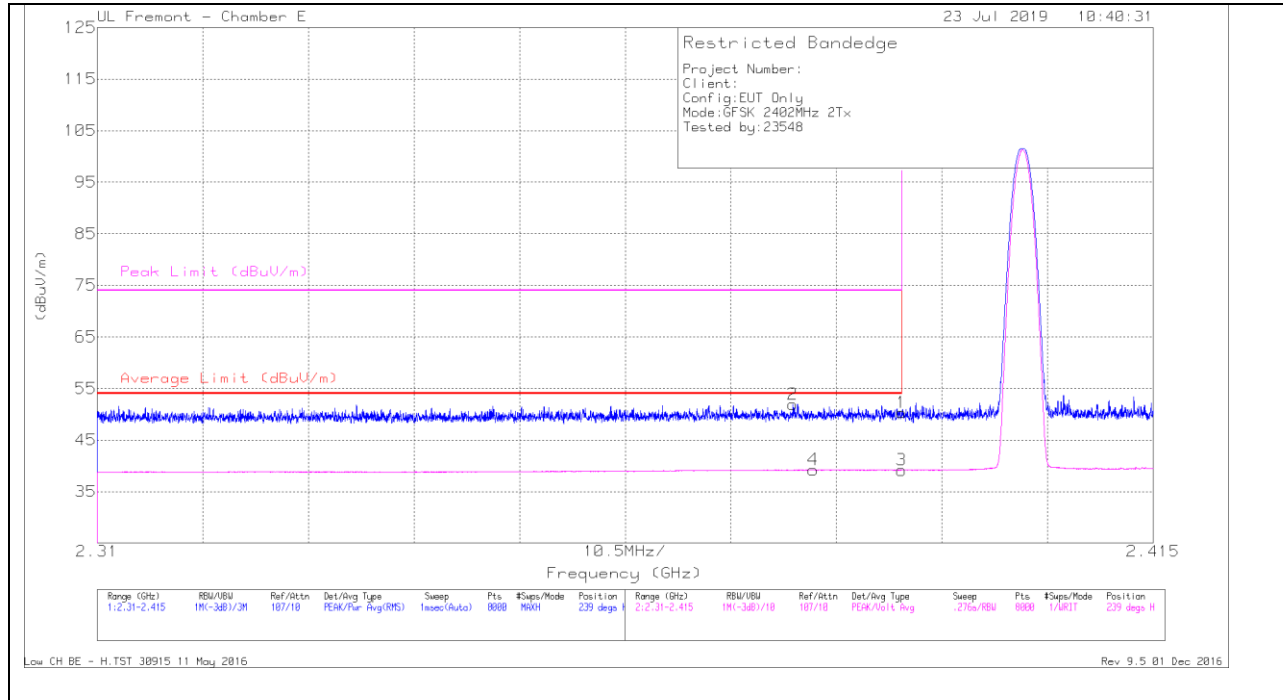
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

## 9.2.3. LOW POWER BASIC DATA RATE GFSK MODULATION

### BANDEGE (LOW CHANNEL)

#### HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T119 (dB/m) | Amp/Cbl/Ftr/P ad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 44.21                | Pk   | 32.3           | -26.2                 | 50.31                      | -                      | -           | 74                  | -23.69         | 239            | 129         | H        |
| 2      | * 2.379         | 45.92                | Pk   | 32.2           | -26.2                 | 51.92                      | -                      | -           | 74                  | -22.08         | 239            | 129         | H        |
| 3      | * 2.39          | 33.06                | VA1T | 32.3           | -26.2                 | 39.16                      | 54                     | -14.84      | -                   | -              | 239            | 128         | H        |
| 4      | * 2.381         | 33.23                | VA1T | 32.3           | -26.3                 | 39.23                      | 54                     | -14.77      | -                   | -              | 239            | 128         | H        |

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

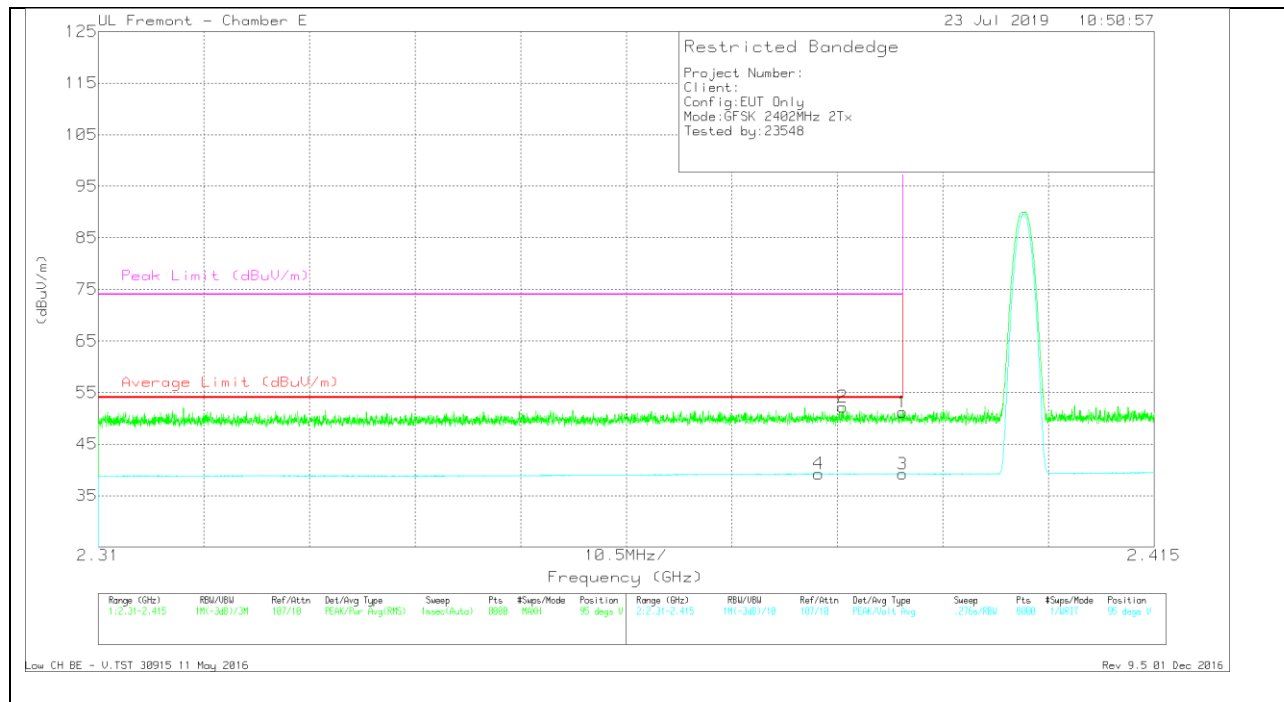
Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T119 (dB/m) | Amp/Cb/Ftr/P ad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 45.08                | Pk   | 32.3           | -26.2                | 51.18                      | -                      | -           | 74                  | -22.82         | 95             | 399         | V        |
| 2      | * 2.384         | 46.21                | Pk   | 32.3           | -26.3                | 52.21                      | -                      | -           | 74                  | -21.79         | 95             | 399         | V        |
| 3      | * 2.39          | 33.1                 | VA1T | 32.3           | -26.2                | 39.2                       | 54                     | -14.8       | -                   | -              | 95             | 399         | V        |
| 4      | * 2.382         | 33.25                | VA1T | 32.3           | -26.3                | 39.25                      | 54                     | -14.75      | -                   | -              | 95             | 399         | V        |

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

Pk - Peak detector

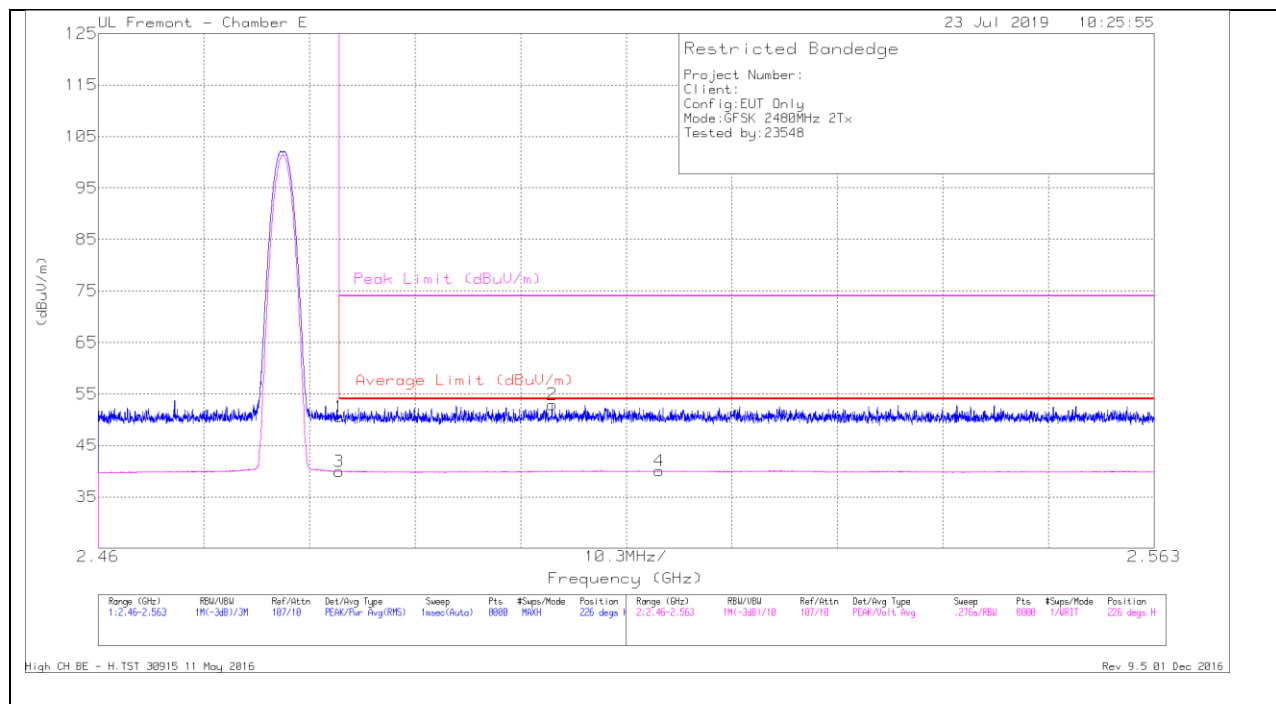
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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# BANEDGE (HIGH CHANNEL)

## HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T119 (dB/m) | Amp/Cb/Filt/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 44.07                | Pk   | 32.8           | -26.3                | 50.57                      | -                      | -           | 74                  | -23.43         | 226            | 127         | H        |
| 3      | * 2.484         | 33.45                | VA1T | 32.8           | -26.3                | 39.95                      | 54                     | -14.05      | -                   | -              | 226            | 127         | H        |
| 2      | 2.504           | 46.33                | Pk   | 32.9           | -26.3                | 52.93                      | -                      | -           | 74                  | -21.07         | 226            | 127         | H        |
| 4      | 2.515           | 33.35                | VA1T | 32.9           | -26.2                | 40.05                      | 54                     | -13.95      | -                   | -              | 226            | 127         | H        |

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

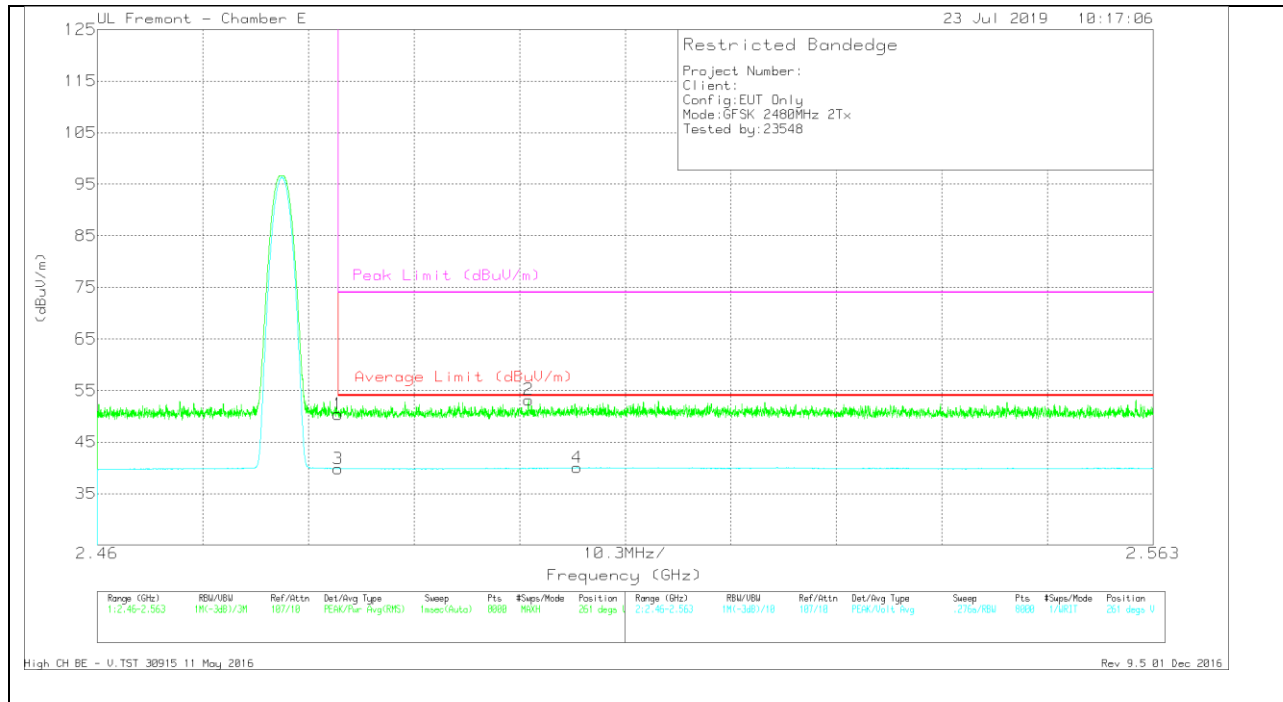
Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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## VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T119 (dB/m) | Amp/Cb/Ftr/P ad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 43.9                 | Pk   | 32.8           | -26.3                | 50.4                       | -                      | -           | 74                  | -23.6          | 261            | 362         | V        |
| 3      | * 2.484         | 33.33                | VA1T | 32.8           | -26.3                | 39.83                      | 54                     | -14.17      | -                   | -              | 261            | 361         | V        |
| 2      | 2.502           | 46.6                 | Pk   | 32.9           | -26.3                | 53.2                       | -                      | -           | 74                  | -20.8          | 261            | 362         | V        |
| 4      | 2.507           | 33.34                | VA1T | 32.9           | -26.2                | 40.04                      | 54                     | -13.96      | -                   | -              | 261            | 361         | V        |

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

Pk - Peak detector

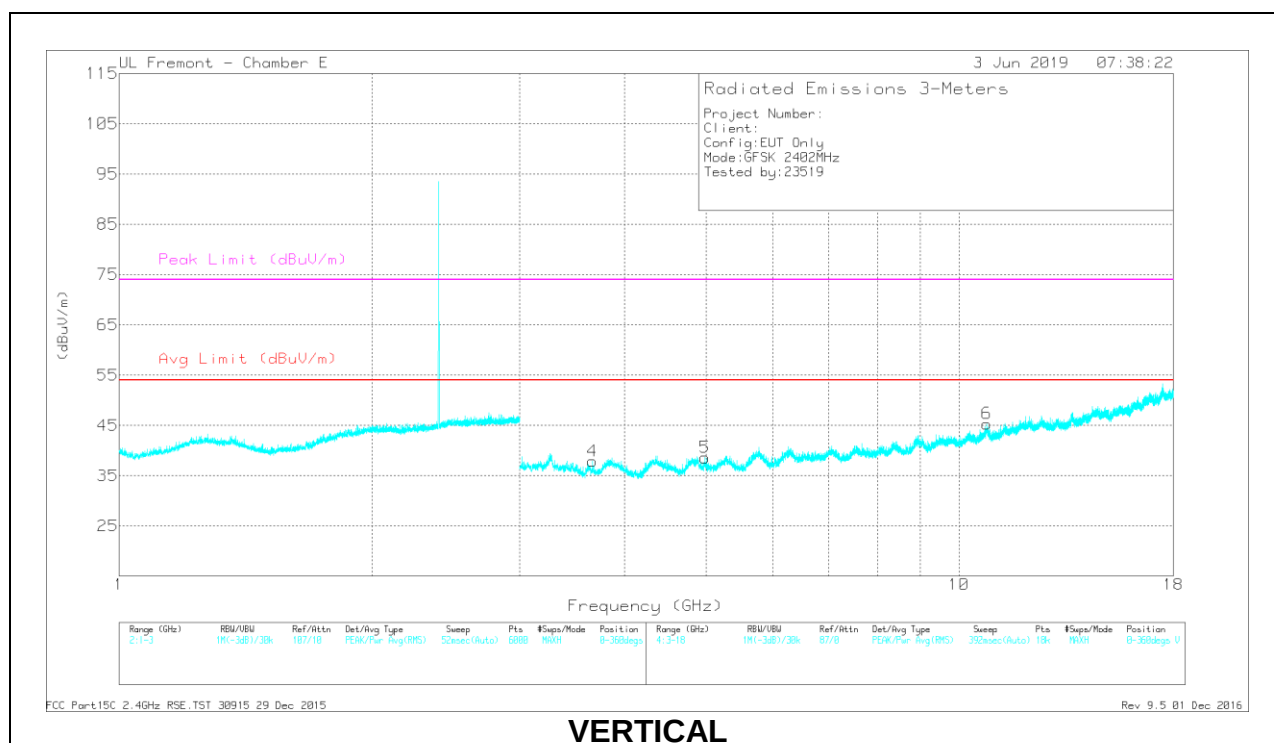
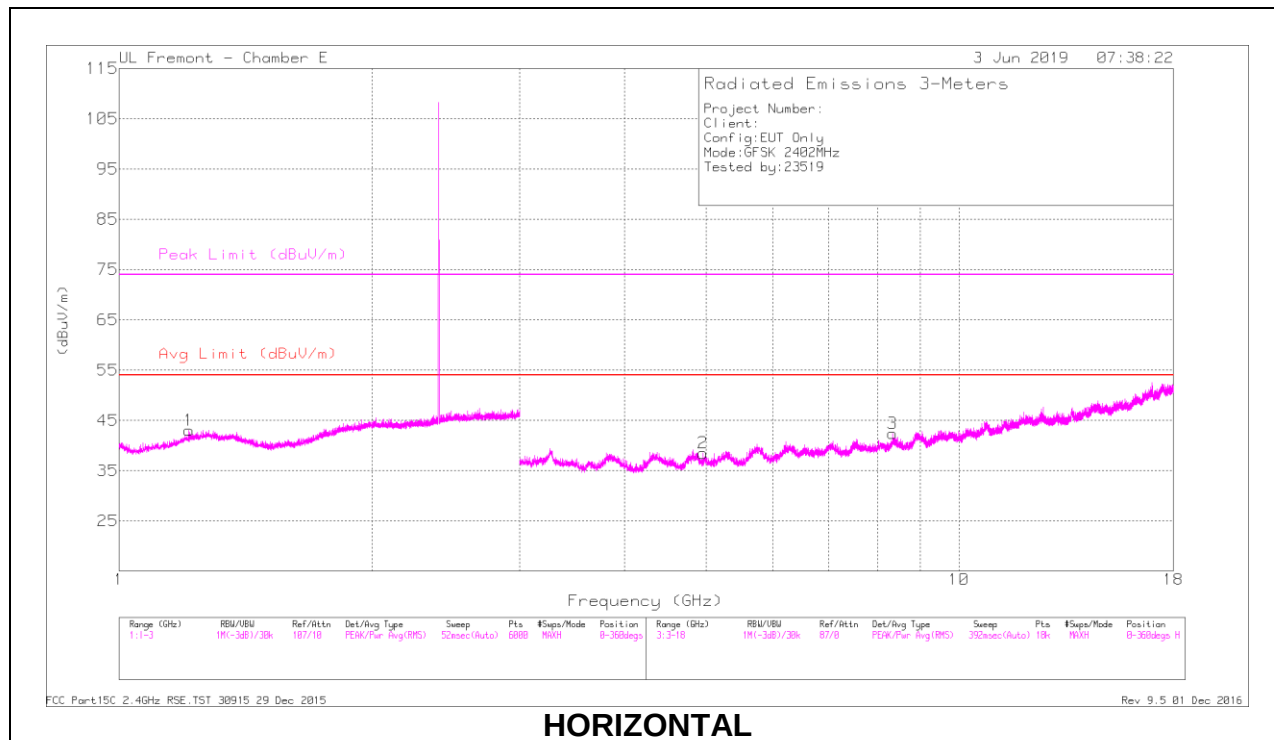
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



## RADIATED EMISSIONS

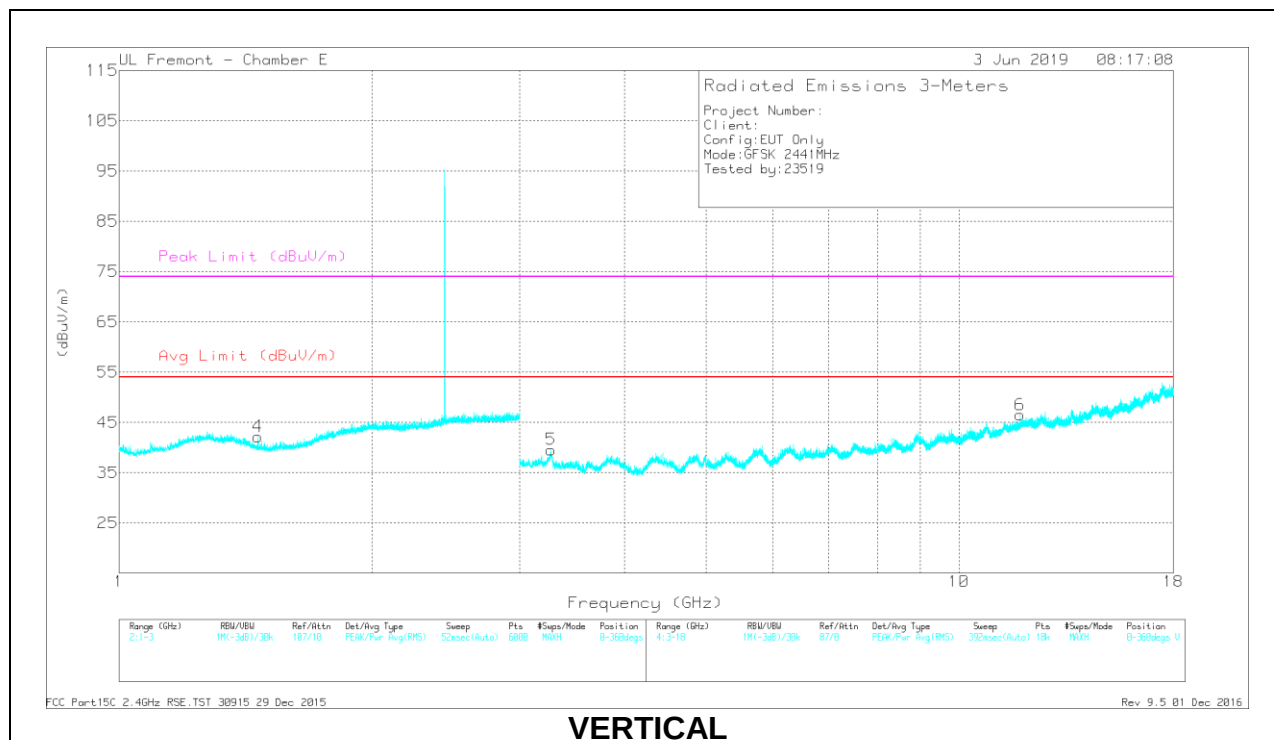
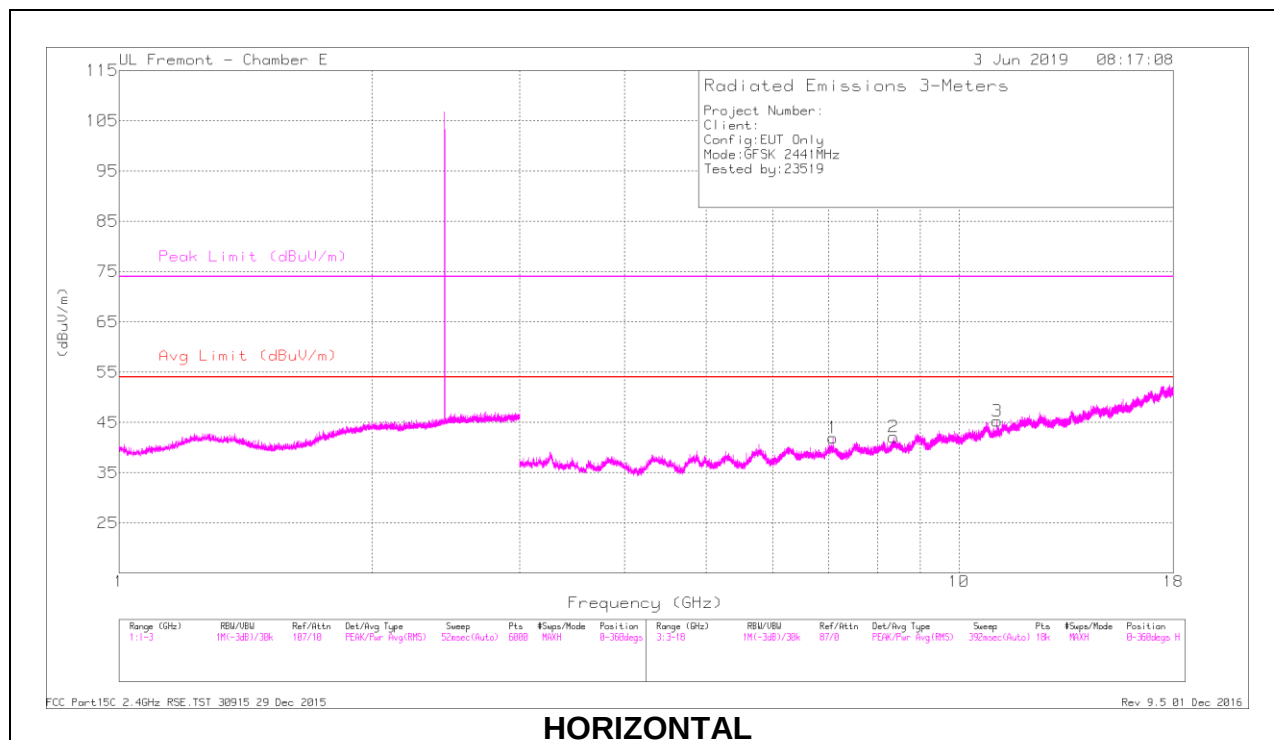
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.211         | 44.76                | PKFH | 29.6           | -26.1                  | 48.26                      | -                  | -           | 74                  | -25.74         | 22             | 204         | H        |
|        | * 1.211         | 32.58                | VA1T | 29.6           | -26.1                  | 36.08                      | 54                 | -17.92      | -                   | -              | 22             | 204         | H        |
| 2      | * 4.955         | 40.54                | PKFH | 34             | -30.4                  | 44.14                      | -                  | -           | 74                  | -29.86         | 228            | 201         | H        |
|        | * 4.954         | 28.86                | VA1T | 34             | -30.4                  | 32.46                      | 54                 | -21.54      | -                   | -              | 228            | 201         | H        |
| 3      | * 8.339         | 37.59                | PKFH | 35.8           | -25.6                  | 47.79                      | -                  | -           | 74                  | -26.21         | 332            | 335         | H        |
|        | * 8.335         | 25.21                | VA1T | 35.8           | -25.7                  | 35.31                      | 54                 | -18.69      | -                   | -              | 332            | 335         | H        |
| 4      | * 3.664         | 42                   | PKFH | 33.2           | -33                    | 42.2                       | -                  | -           | 74                  | -31.8          | 20             | 106         | V        |
|        | * 3.666         | 30.47                | VA1T | 33.1           | -33                    | 30.57                      | 54                 | -23.43      | -                   | -              | 20             | 106         | V        |
| 5      | * 4.987         | 40.65                | PKFH | 34.1           | -30.5                  | 44.25                      | -                  | -           | 74                  | -29.75         | 226            | 327         | V        |
|        | * 4.988         | 29.27                | VA1T | 34.1           | -30.5                  | 32.87                      | 54                 | -21.13      | -                   | -              | 226            | 327         | V        |
| 6      | * 10.795        | 36.47                | PKFH | 37.9           | -23                    | 51.37                      | -                  | -           | 74                  | -22.63         | 327            | 343         | V        |
|        | * 10.796        | 24.04                | VA1T | 37.9           | -23.1                  | 38.84                      | 54                 | -15.16      | -                   | -              | 327            | 343         | V        |

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

## MID CHANNEL RESULTS





## RADIATED EMISSIONS

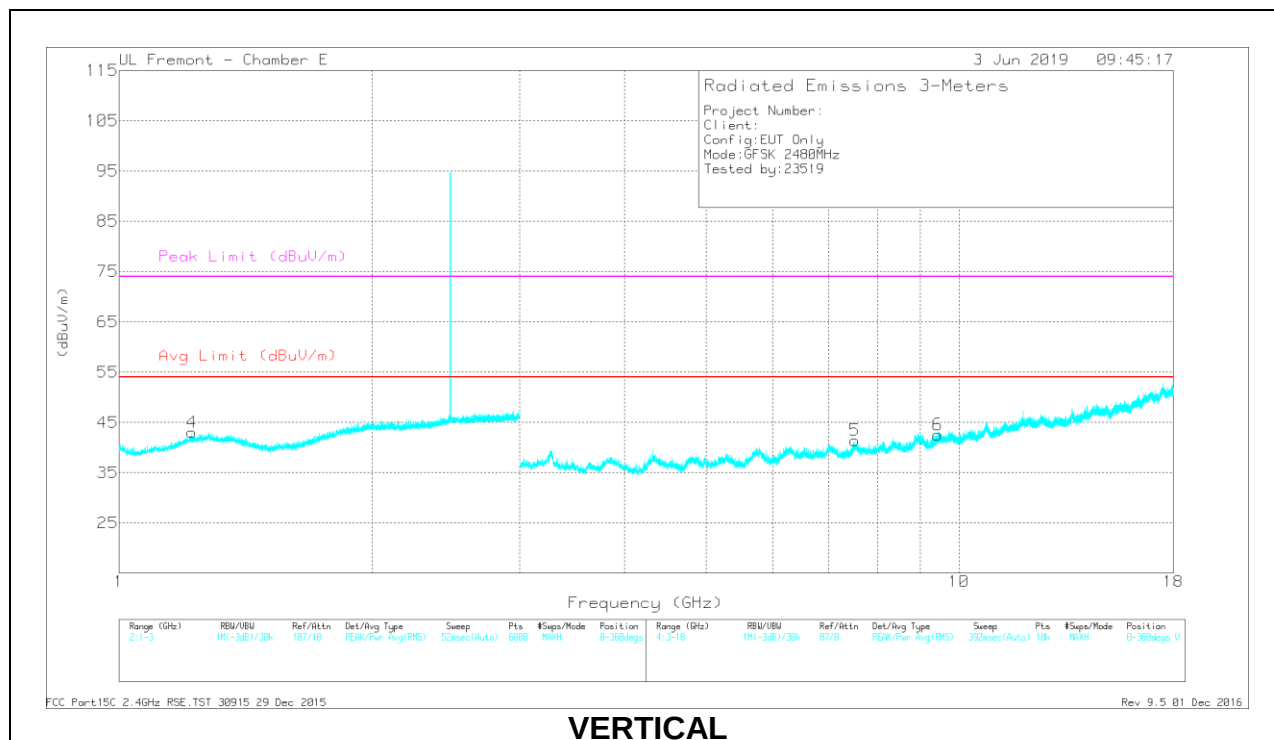
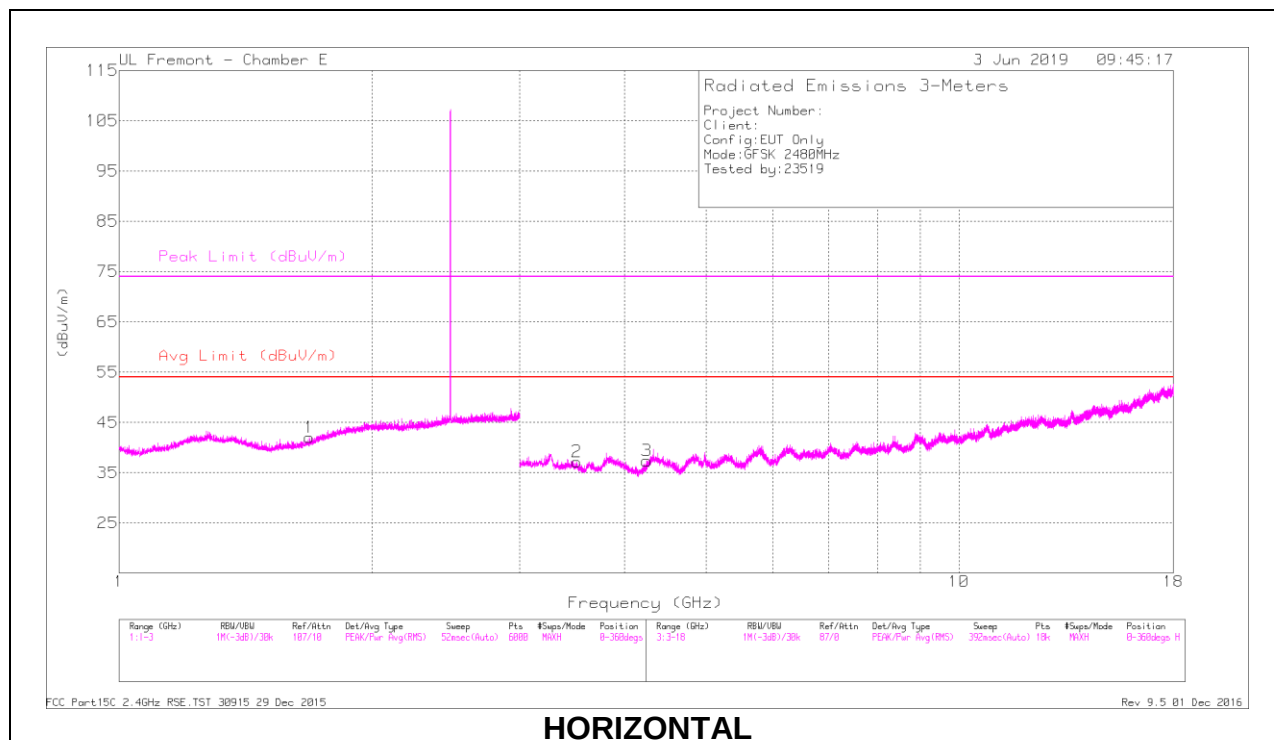
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 7.085           | 37.44                | PKFH | 35.6           | -26.8                  | 46.24                      | -                  | -           | -                   | -              | 106            | 166         | H        |
| 2      | * 8.361         | 36.75                | PKFH | 35.8           | -25.5                  | 47.05                      | -                  | -           | 74                  | -26.95         | 205            | 207         | H        |
|        | * 8.358         | 25.23                | VA1T | 35.9           | -25.5                  | 35.63                      | 54                 | -18.37      | -                   | -              | 205            | 207         | H        |
| 3      | * 11.105        | 36.25                | PKFH | 37.9           | -24                    | 50.15                      | -                  | -           | 74                  | -23.85         | 153            | 233         | H        |
|        | * 11.104        | 24.01                | VA1T | 37.9           | -24                    | 37.91                      | 54                 | -16.09      | -                   | -              | 153            | 233         | H        |
| 4      | * 1.463         | 44.78                | PKFH | 28.2           | -26.2                  | 46.78                      | -                  | -           | 74                  | -27.22         | 266            | 176         | V        |
|        | * 1.465         | 32.78                | VA1T | 28.2           | -26.2                  | 34.78                      | 54                 | -19.22      | -                   | -              | 266            | 176         | V        |
| 5      | 3.268           | 43.11                | PKFH | 34.9           | -33.4                  | 44.61                      | -                  | -           | -                   | -              | 199            | 309         | V        |
| 6      | * 11.829        | 34.88                | PKFH | 38.9           | -22.4                  | 51.38                      | -                  | -           | 74                  | -22.62         | 297            | 285         | V        |
|        | * 11.827        | 22.92                | VA1T | 38.9           | -22.4                  | 39.42                      | 54                 | -14.58      | -                   | -              | 297            | 285         | V        |

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

## HIGH CHANNEL RESULTS



## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.682         | 44.88                | PKFH | 28.7           | -26.3                  | 47.28                      | -                  | -           | 74                  | -26.72         | 145            | 240         | H        |
|        | * 1.683         | 32.89                | VA1T | 28.7           | -26.3                  | 35.29                      | 54                 | -18.71      | -                   | -              | 145            | 240         | H        |
| 2      | * 3.507         | 43.32                | PKFH | 33.1           | -33.1                  | 43.32                      | -                  | -           | 74                  | -30.68         | 170            | 292         | H        |
|        | * 3.509         | 31.28                | VA1T | 33.1           | -33.1                  | 31.28                      | 54                 | -22.72      | -                   | -              | 170            | 292         | H        |
| 3      | * 4.249         | 41.62                | PKFH | 33.5           | -31.8                  | 43.32                      | -                  | -           | 74                  | -30.68         | 242            | 249         | H        |
|        | * 4.252         | 29.68                | VA1T | 33.4           | -31.7                  | 31.38                      | 54                 | -22.62      | -                   | -              | 242            | 249         | H        |
| 4      | * 1.221         | 44.61                | PKFH | 29.8           | -26.1                  | 48.31                      | -                  | -           | 74                  | -25.69         | 52             | 345         | V        |
|        | * 1.222         | 32.5                 | VA1T | 29.8           | -26.1                  | 36.2                       | 54                 | -17.8       | -                   | -              | 52             | 345         | V        |
| 5      | * 7.517         | 37.11                | PKFH | 35.7           | -26.6                  | 46.21                      | -                  | -           | 74                  | -27.79         | 163            | 332         | V        |
|        | * 7.516         | 25.62                | VA1T | 35.7           | -26.6                  | 34.72                      | 54                 | -19.28      | -                   | -              | 163            | 332         | V        |
| 6      | * 9.443         | 36.26                | PKFH | 36.5           | -24.1                  | 48.66                      | -                  | -           | 74                  | -25.34         | 262            | 280         | V        |
|        | * 9.442         | 23.94                | VA1T | 36.5           | -24.1                  | 36.34                      | 54                 | -17.66      | -                   | -              | 262            | 280         | V        |

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

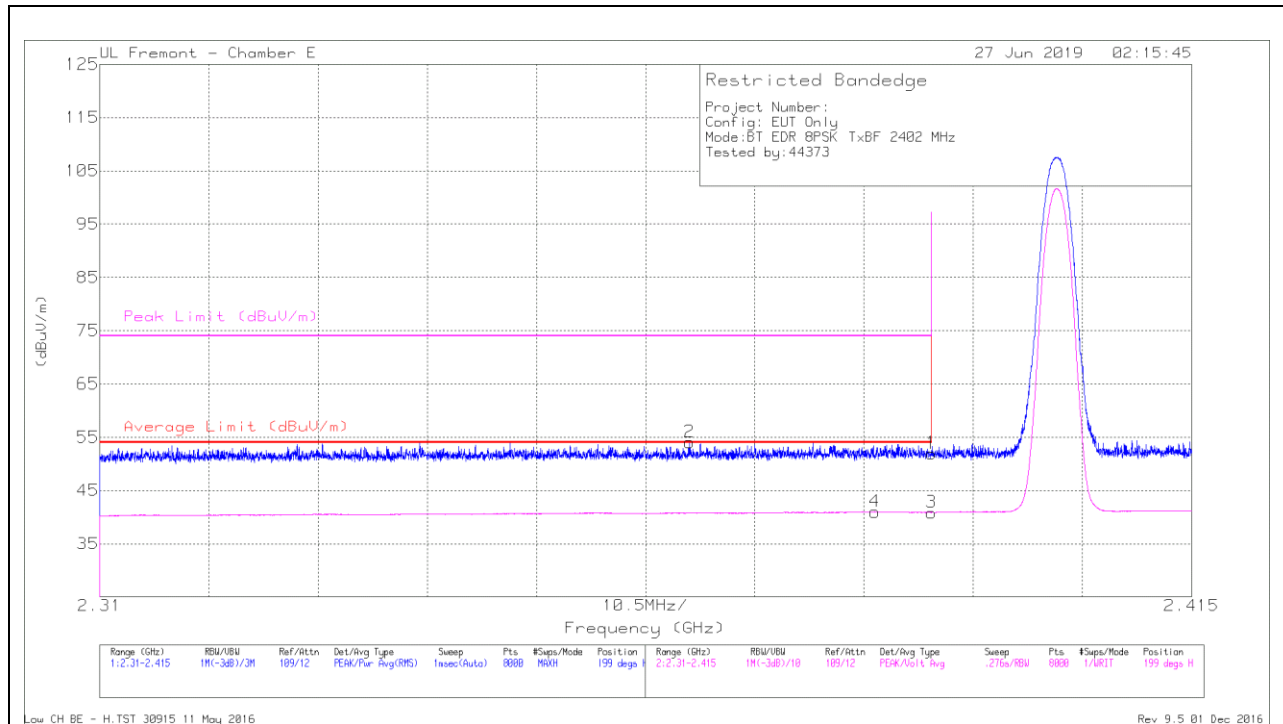
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

## 9.2.4. LOW POWER ENHANCED DATA RATE 8PSK MODULATION

### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T119 (dB/m) | Amp/Cb/Ftr/P ad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 37.96                | Pk   | 32.3           | -18.3                | 51.96                      | -                      | -           | 74                  | -22.04         | 199            | 137         | H        |
| 2      | * 2.367         | 40.27                | Pk   | 32.1           | -18.3                | 54.07                      | -                      | -           | 74                  | -19.93         | 199            | 137         | H        |
| 3      | * 2.39          | 26.86                | VA1T | 32.3           | -18.3                | 40.86                      | 54                     | -13.14      | -                   | -              | 199            | 137         | H        |
| 4      | * 2.385         | 26.89                | VA1T | 32.3           | -18.2                | 40.99                      | 54                     | -13.01      | -                   | -              | 199            | 137         | H        |

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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