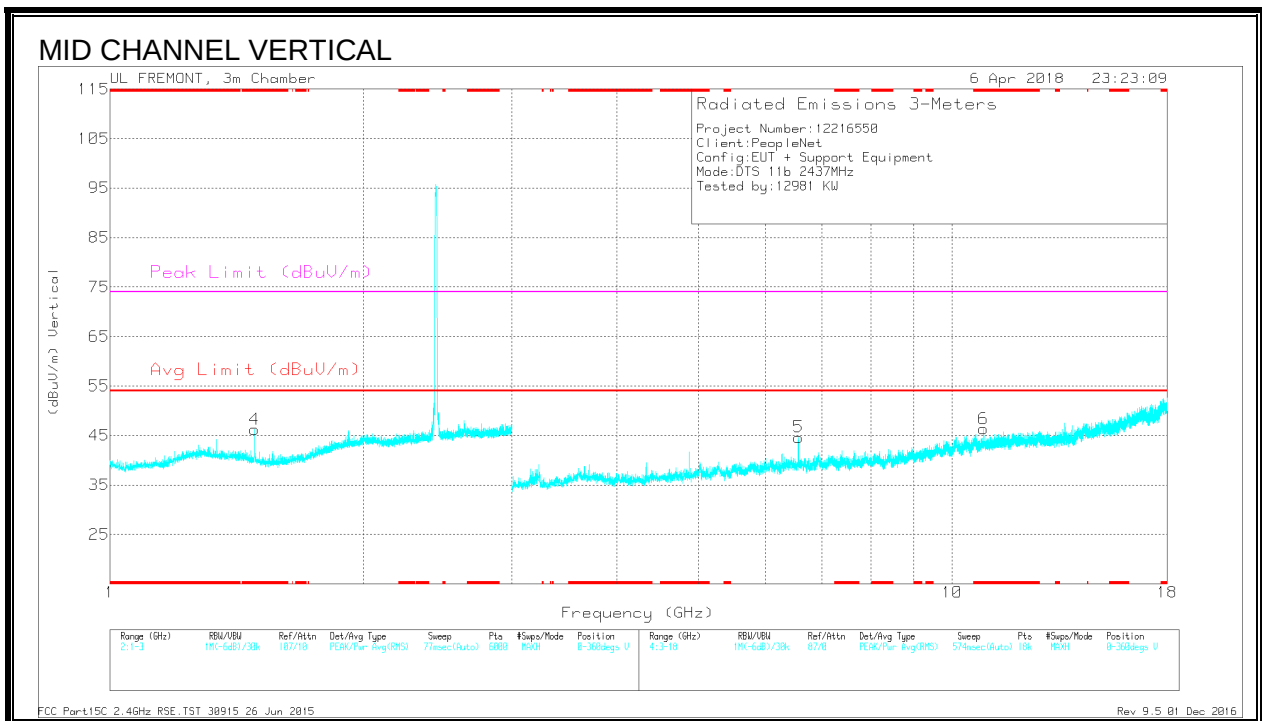
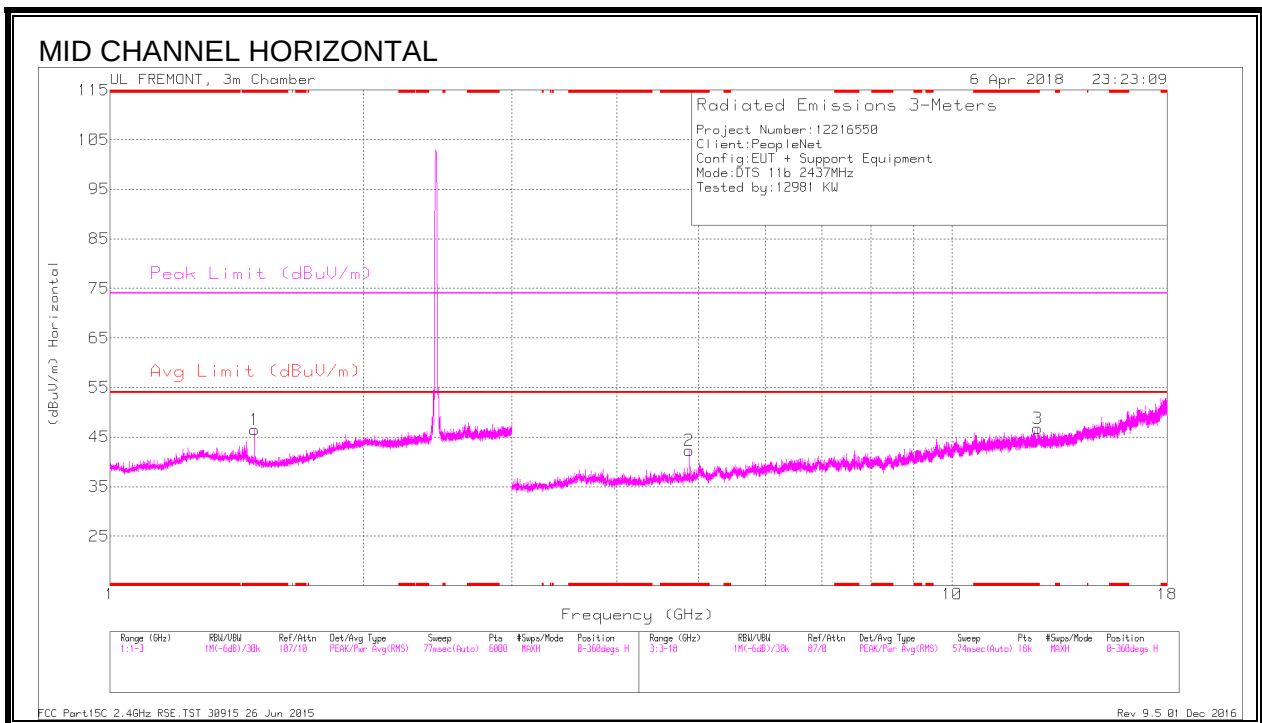


**HARMONICS AND SPURIOUS EMISSIONS MID CHANNEL, CH 6)**



# DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T120 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.485         | 47.03                | PK2  | 28.4           | -21.6                 | 53.83                      | -                  | -           | 74                  | -20.17         | 143            | 146         | H        |
|        | * 1.485         | 40.42                | MAv1 | 28.4           | -21.6                 | 47.22                      | 54                 | -6.78       | -                   | -              | 143            | 146         | H        |
| 4      | * 1.485         | 45.51                | PK2  | 28.4           | -21.6                 | 52.31                      | -                  | -           | 74                  | -21.69         | 164            | 143         | V        |
|        | * 1.485         | 38.86                | MAv1 | 28.4           | -21.6                 | 45.66                      | 54                 | -8.34       | -                   | -              | 164            | 143         | V        |
| 2      | * 4.874         | 36.85                | PK2  | 34.1           | -26.1                 | 44.85                      | -                  | -           | 74                  | -29.15         | 131            | 200         | H        |
|        | * 4.874         | 25.44                | MAv1 | 34.1           | -26.1                 | 33.44                      | 54                 | -20.56      | -                   | -              | 131            | 200         | H        |
| 3      | * 12.622        | 35.23                | PK2  | 39.2           | -22.4                 | 52.03                      | -                  | -           | 74                  | -21.97         | 175            | 136         | H        |
|        | * 12.623        | 22.56                | MAv1 | 39.2           | -22.4                 | 39.36                      | 54                 | -14.64      | -                   | -              | 175            | 136         | H        |
| 6      | * 10.894        | 33.97                | PK2  | 37.9           | -20.7                 | 51.17                      | -                  | -           | 74                  | -22.83         | 197            | 174         | V        |
|        | * 10.893        | 21.08                | MAv1 | 37.9           | -20.6                 | 38.38                      | 54                 | -15.62      | -                   | -              | 197            | 174         | V        |
| 5      | 6.565           | 35.15                | Pk   | 35.7           | -26.2                 | 44.65                      | -                  | -           | -                   | -              | 0-360          | 200         | V        |

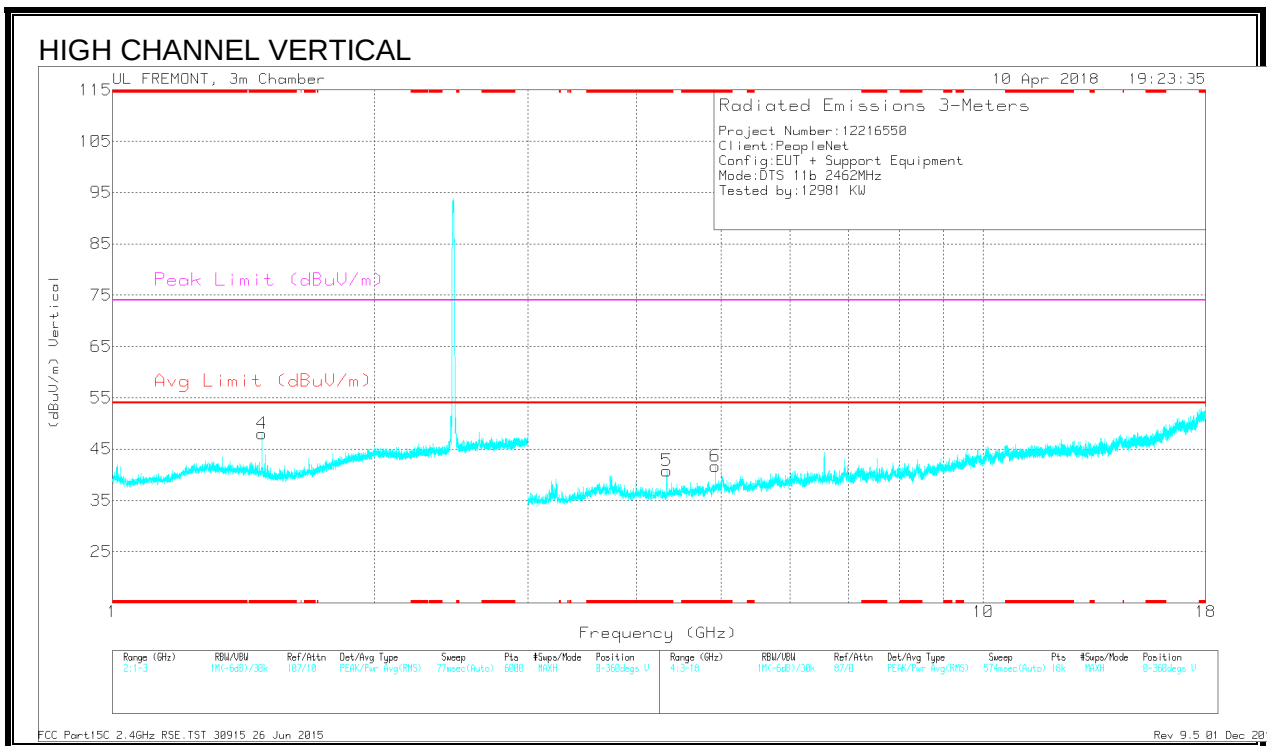
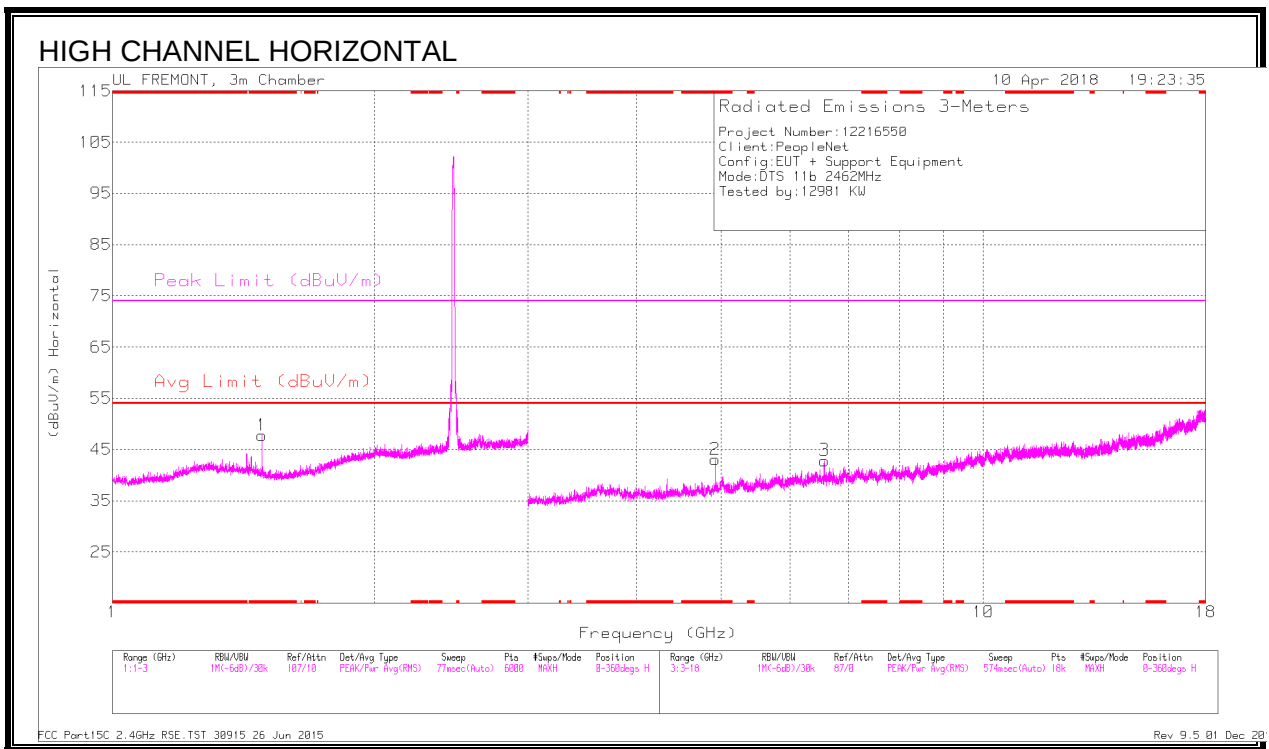
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**HARMONICS AND SPURIOUS EMISSIONS HIGH CHANNEL, CH 11)**



# **DATA**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T120 (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      | * 1.485         | 47.13                | PK2  | 28.4           | -21.6                  | 53.93                      | -                  | -           | 74                  | -20.07         | 251            | 279         | H        |
|        | * 1.485         | 41.37                | MAv1 | 28.4           | -21.6                  | 48.17                      | 54                 | -5.83       | -                   | -              | 251            | 279         | H        |
| 4      | * 1.485         | 45.51                | PK2  | 28.4           | -21.6                  | 52.31                      | -                  | -           | 74                  | -21.69         | 131            | 100         | V        |
|        | * 1.485         | 39.58                | MAv1 | 28.4           | -21.6                  | 46.38                      | 54                 | -7.62       | -                   | -              | 131            | 100         | V        |
| 2      | * 4.923         | 38.73                | PK2  | 34             | -28                    | 44.73                      | -                  | -           | 74                  | -29.27         | 153            | 126         | H        |
|        | * 4.923         | 27.81                | MAv1 | 34             | -27.9                  | 33.91                      | 54                 | -20.09      | -                   | -              | 153            | 126         | H        |
| 5      | * 4.33          | 39.01                | PK2  | 33.6           | -28                    | 44.61                      | -                  | -           | 74                  | -29.39         | 237            | 100         | V        |
|        | * 4.33          | 30.38                | MAv1 | 33.6           | -28                    | 35.98                      | 54                 | -18.02      | -                   | -              | 237            | 100         | V        |
| 6      | * 4.924         | 40.94                | PK2  | 34             | -28                    | 46.94                      | -                  | -           | 74                  | -27.06         | 168            | 143         | V        |
|        | * 4.924         | 32.82                | MAv1 | 34             | -28                    | 38.82                      | 54                 | -15.18      | -                   | -              | 168            | 143         | V        |
| 3      | 6.565           | 33.37                | Pk   | 35.7           | -26.2                  | 42.87                      | -                  | -           | -                   | -              | 0-360          | 200         | H        |

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

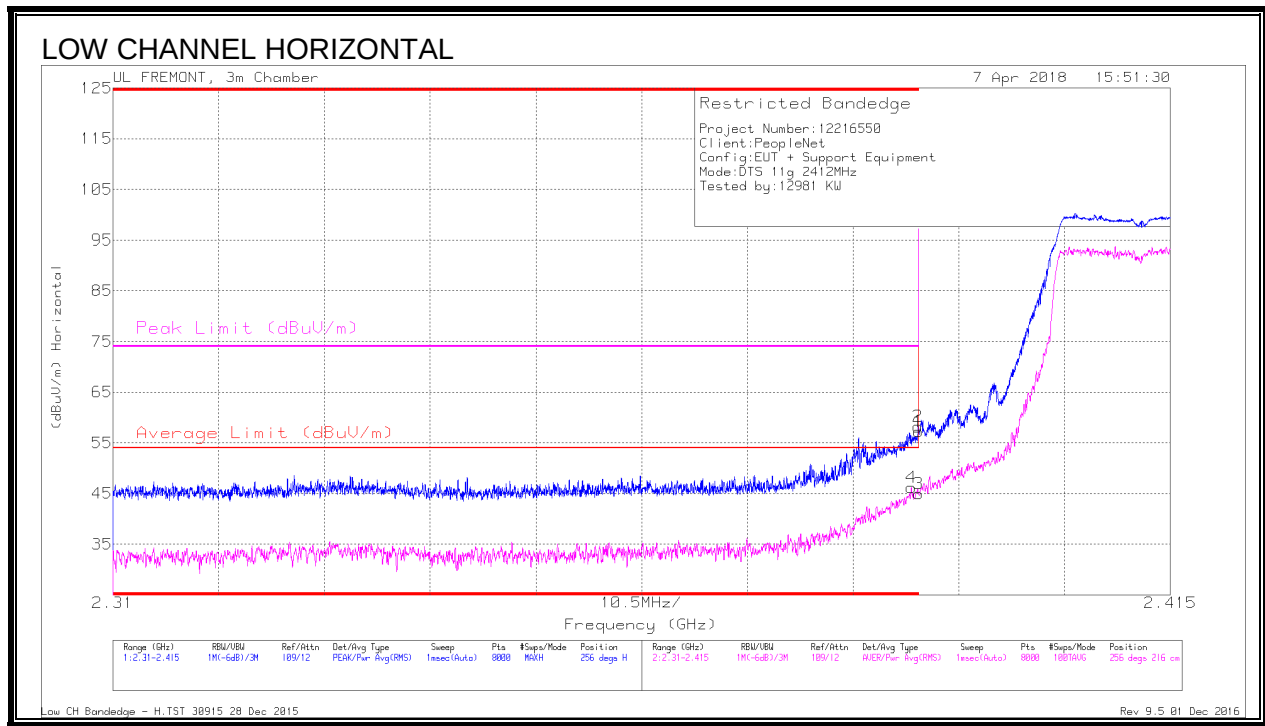
Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

## 9.2.2. 802.11g MODE IN THE 2.4 GHz BAND

### AUTHORIZED BANDEDGE (LOW CHANNEL, CH 1)



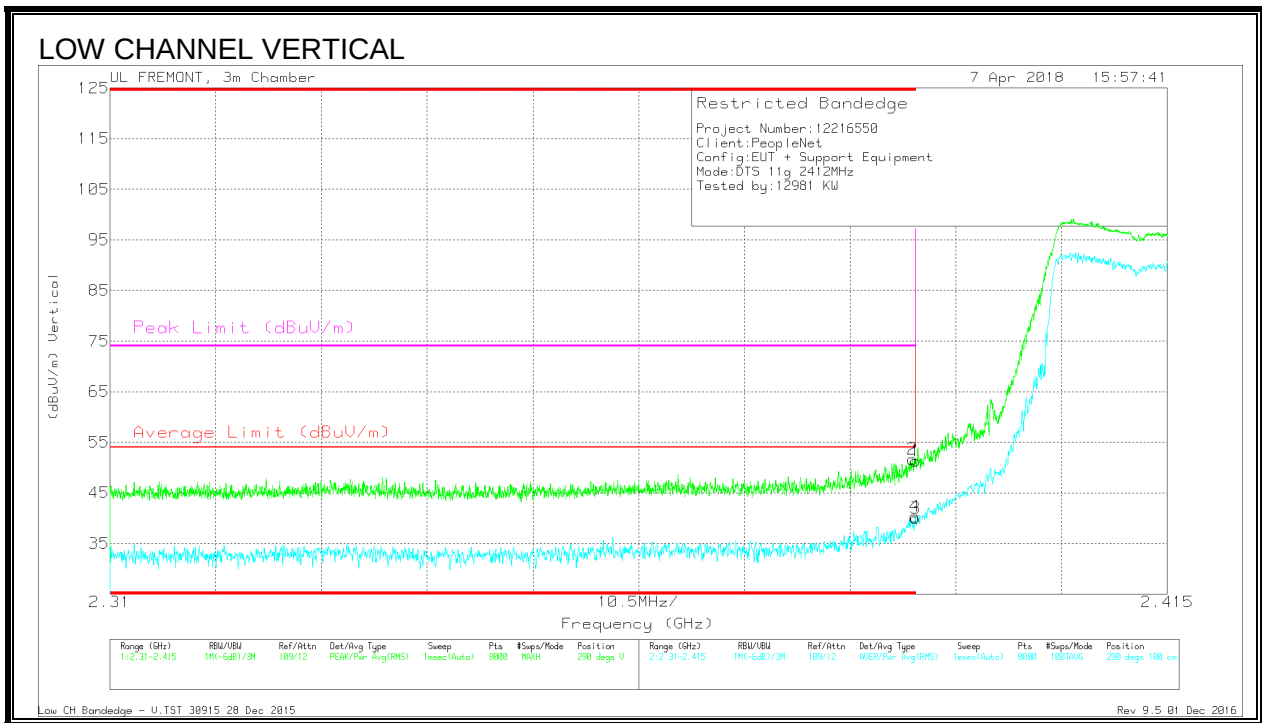
### DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cbl/Filtr/P ad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 4      | * 2.389         | 35.7                 | RMS | 31.9           | -21.4                   | 46.2                       | 54                     | -7.8        | -                   | -              | 256            | 216         | H        |
| 1      | * 2.39          | 46.73                | Pk  | 31.9           | -21.4                   | 57.23                      | -                      | -           | 74                  | -16.77         | 256            | 216         | H        |
| 2      | * 2.39          | 47.68                | Pk  | 31.9           | -21.4                   | 58.18                      | -                      | -           | 74                  | -15.82         | 256            | 216         | H        |
| 3      | * 2.39          | 34.44                | RMS | 31.9           | -21.4                   | 44.94                      | 54                     | -9.06       | -                   | -              | 256            | 216         | H        |

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

Pk - Peak detector

RMS - RMS detection



## DATA

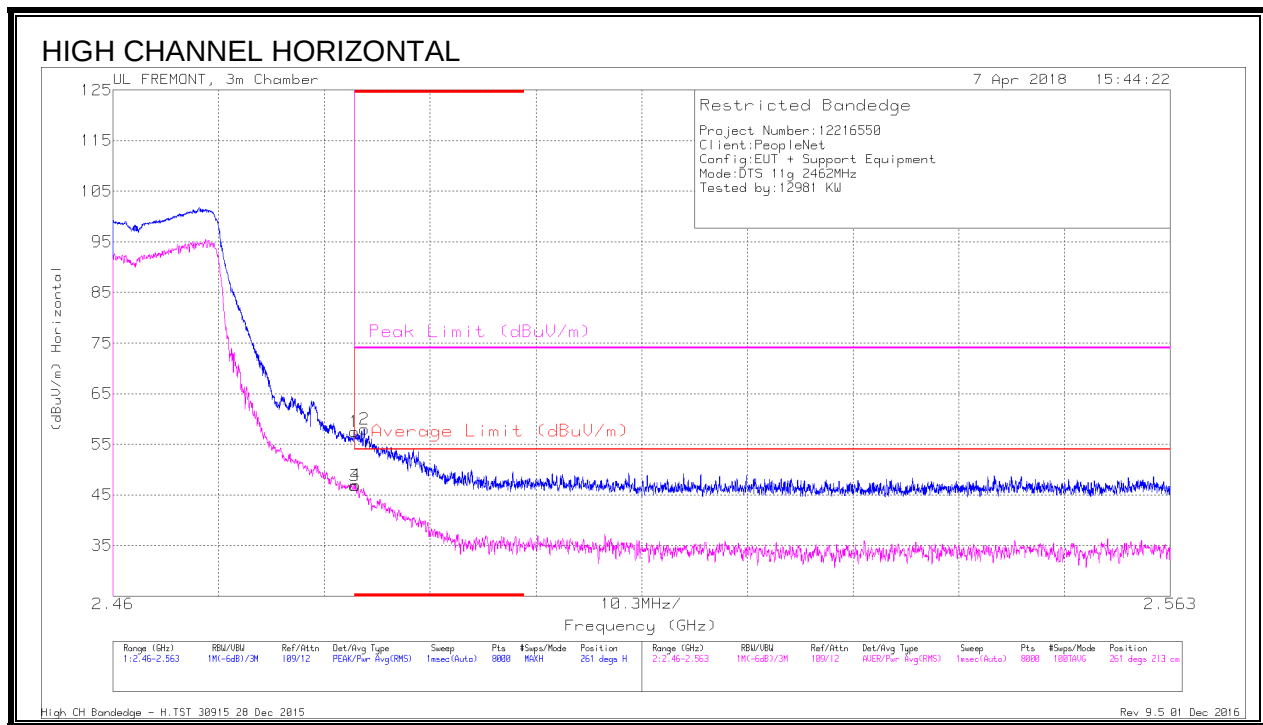
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dBm) | Amp/CbI/Fitr/P ad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 40.79                | Pk  | 31.9          | -21.4                  | 51.29                      | -                      | -           | 74                  | -22.71         | 290            | 100         | V        |
| 2      | * 2.39          | 41.16                | Pk  | 31.9          | -21.4                  | 51.66                      | -                      | -           | 74                  | -22.34         | 290            | 100         | V        |
| 3      | * 2.39          | 29.46                | RMS | 31.9          | -21.4                  | 39.96                      | 54                     | -14.04      | -                   | -              | 290            | 100         | V        |
| 4      | * 2.39          | 29.8                 | RMS | 31.9          | -21.4                  | 40.3                       | 54                     | -13.7       | -                   | -              | 290            | 100         | V        |

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

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEGE (HIGH CHANNEL, CH 11)**



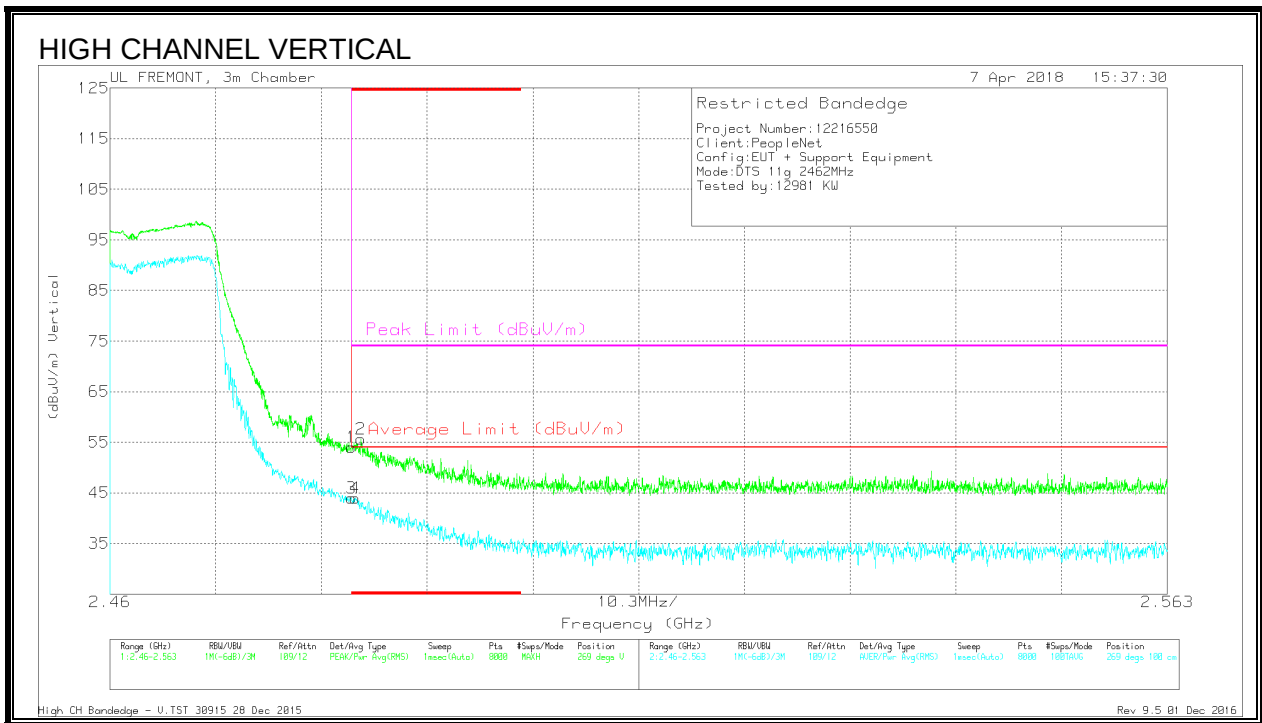
**DATA**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dBm) | Amp/Cbl/Filtr/P ad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 47.06                | Pk  | 32.2          | -21.8                   | 57.46                      | -                      | -           | 74                  | -16.54         | 261            | 213         | H        |
| 2      | * 2.484         | 47.59                | Pk  | 32.2          | -21.8                   | 57.99                      | -                      | -           | 74                  | -16.01         | 261            | 213         | H        |
| 3      | * 2.484         | 36.46                | RMS | 32.2          | -21.8                   | 46.86                      | 54                     | -7.14       | -                   | -              | 261            | 213         | H        |
| 4      | * 2.484         | 36.48                | RMS | 32.2          | -21.8                   | 46.88                      | 54                     | -7.12       | -                   | -              | 261            | 213         | H        |

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

Pk - Peak detector

RMS - RMS detection



## DATA

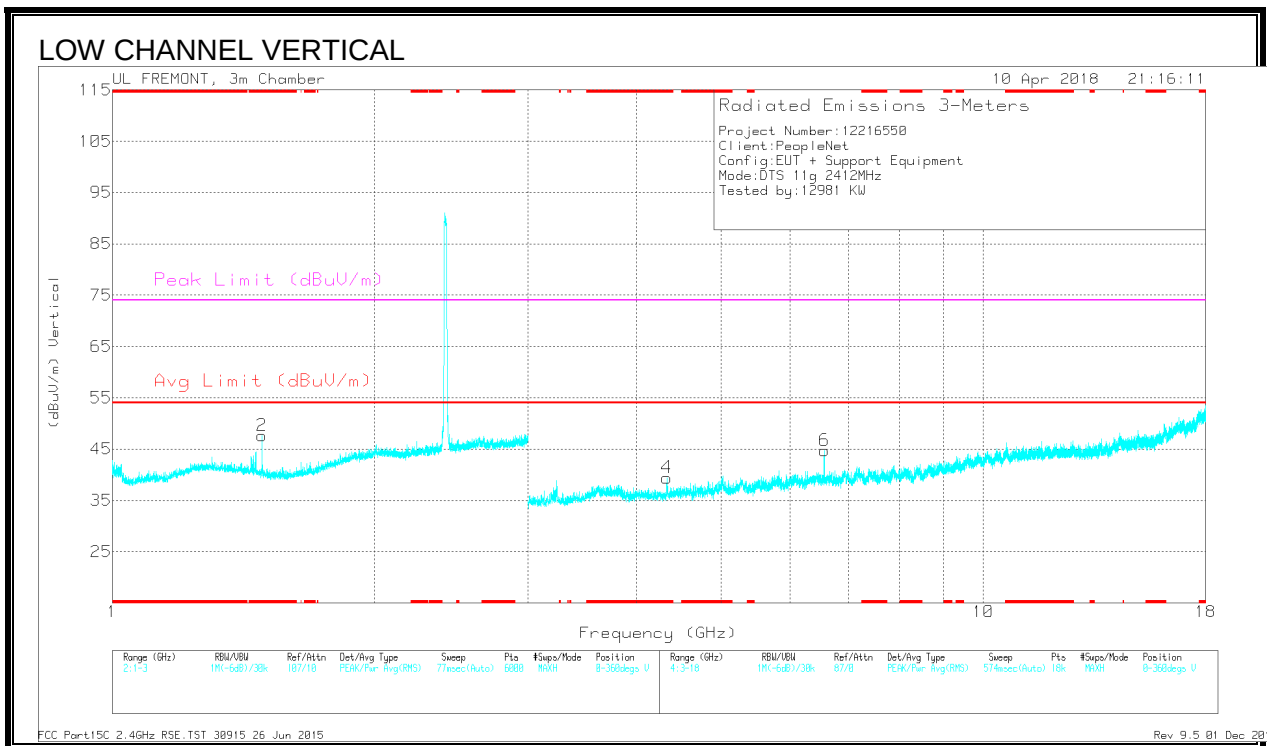
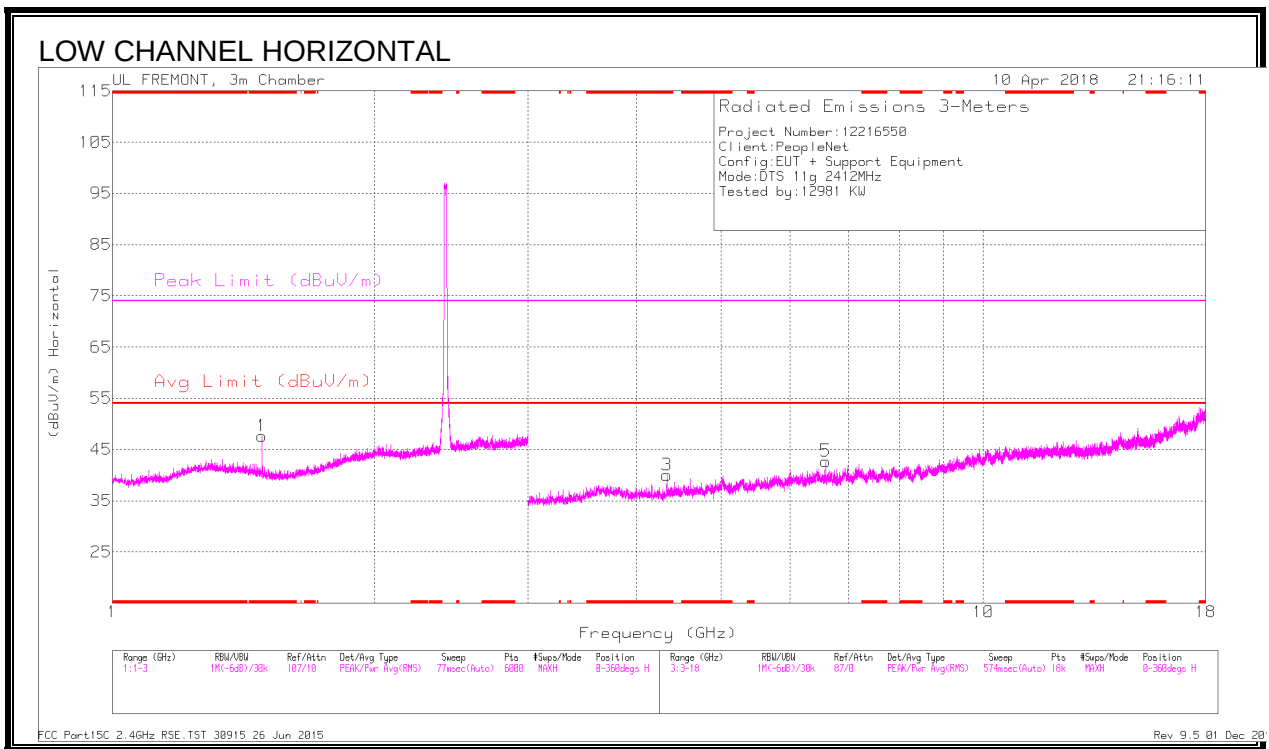
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cbl/Filtr/P ad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 43.65                | Pk  | 32.2           | -21.8                   | 54.05                      | -                      | -           | 74                  | -19.95         | 269            | 100         | V        |
| 2      | * 2.484         | 45.27                | Pk  | 32.2           | -21.8                   | 55.67                      | -                      | -           | 74                  | -18.33         | 269            | 100         | V        |
| 3      | * 2.484         | 33.55                | RMS | 32.2           | -21.8                   | 43.95                      | 54                     | -10.05      | -                   | -              | 269            | 100         | V        |
| 4      | * 2.484         | 33.59                | RMS | 32.2           | -21.8                   | 43.99                      | 54                     | -10.01      | -                   | -              | 269            | 100         | V        |

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

Pk - Peak detector

RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS LOW CHANNEL, CH 1)**



**DATA**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T120 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.485         | 43.63                | PK2  | 28.4           | -21.6                 | 50.43                      | -                  | -           | 74                  | -23.57         | 336            | 100         | H        |
|        | * 1.485         | 35.48                | MAv1 | 28.4           | -21.6                 | 42.28                      | 54                 | -11.72      | -                   | -              | 336            | 100         | H        |
| 2      | * 1.485         | 44.13                | PK2  | 28.4           | -21.6                 | 50.93                      | -                  | -           | 74                  | -23.07         | 263            | 125         | V        |
|        | * 1.485         | 36.82                | MAv1 | 28.4           | -21.6                 | 43.62                      | 54                 | -10.38      | -                   | -              | 263            | 125         | V        |
| 3      | * 4.33          | 39.78                | PK2  | 33.6           | -28                   | 45.38                      | -                  | -           | 74                  | -28.62         | 161            | 161         | H        |
|        | * 4.33          | 29.57                | MAv1 | 33.6           | -28                   | 35.17                      | 54                 | -18.83      | -                   | -              | 161            | 161         | H        |
| 4      | * 4.33          | 40.88                | PK2  | 33.6           | -28                   | 46.48                      | -                  | -           | 74                  | -27.52         | 63             | 207         | V        |
|        | * 4.33          | 31.1                 | MAv1 | 33.6           | -28                   | 36.7                       | 54                 | -17.3       | -                   | -              | 63             | 207         | V        |
| 6      | 6.565           | 35.26                | Pk   | 35.7           | -26.2                 | 44.76                      | -                  | -           | -                   | -              | 0-360          | 200         | V        |
| 5      | 6.592           | 33.44                | Pk   | 35.7           | -26.4                 | 42.74                      | -                  | -           | -                   | -              | 0-360          | 200         | H        |

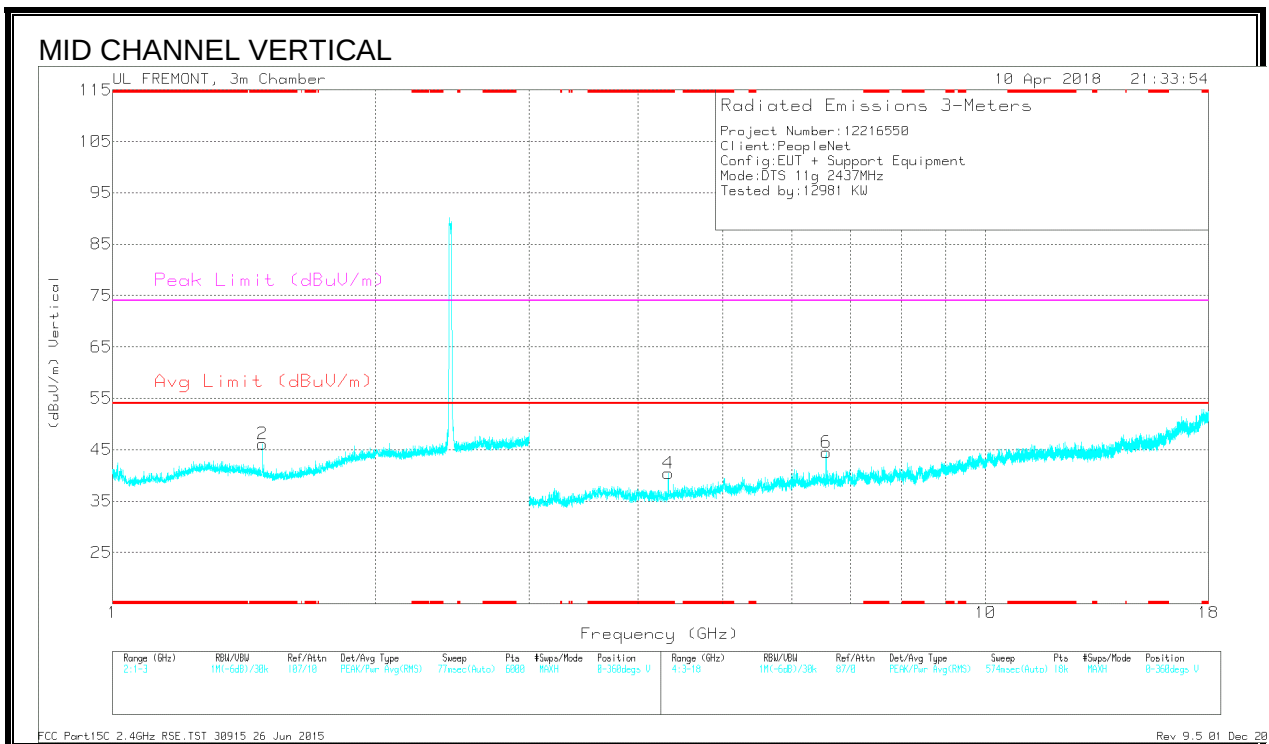
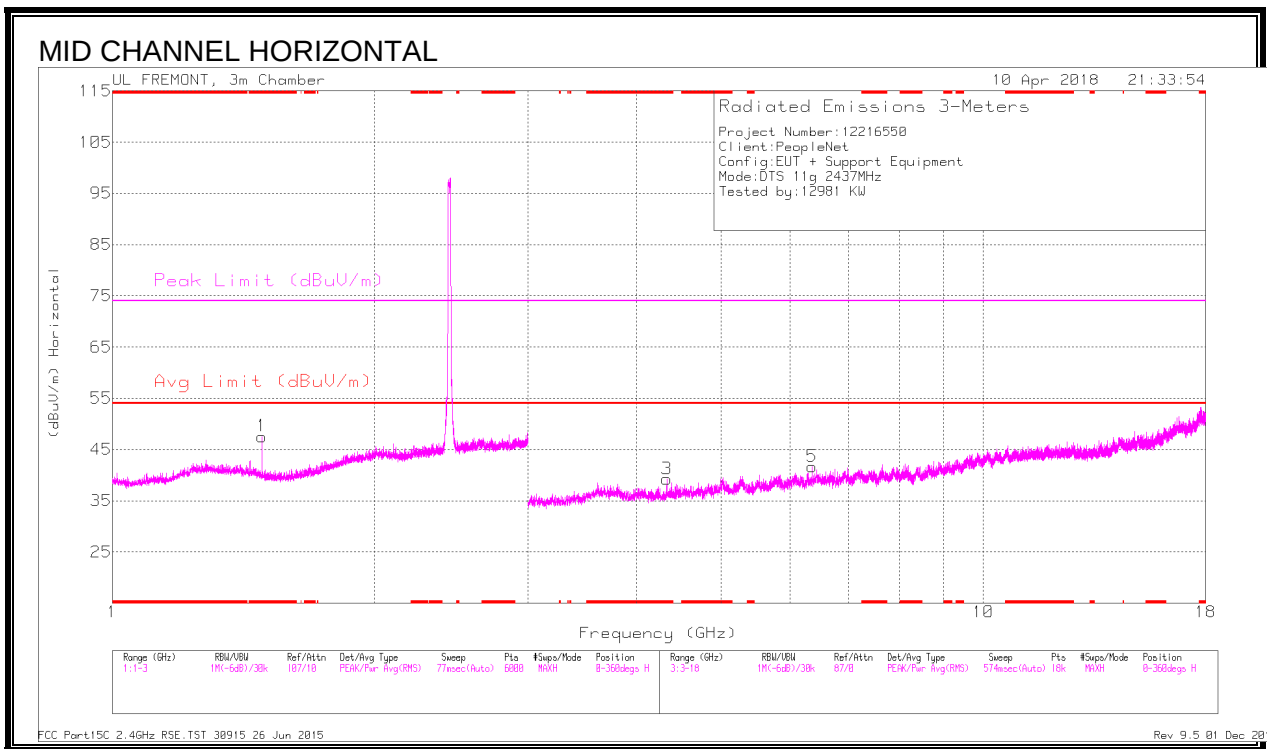
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**HARMONICS AND SPURIOUS EMISSIONS MID CHANNEL, CH 6)**



# DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T120 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.485         | 44.85                | PK2  | 28.4           | -21.6                 | 51.65                      | -                  | -           | 74                  | -22.35         | 26             | 105         | H        |
|        | * 1.485         | 37.48                | MAv1 | 28.4           | -21.6                 | 44.28                      | 54                 | -9.72       | -                   | -              | 26             | 105         | H        |
| 2      | * 1.485         | 42.92                | PK2  | 28.4           | -21.6                 | 49.72                      | -                  | -           | 74                  | -24.28         | 116            | 100         | V        |
|        | * 1.485         | 34.24                | MAv1 | 28.4           | -21.6                 | 41.04                      | 54                 | -12.96      | -                   | -              | 116            | 100         | V        |
| 3      | * 4.33          | 39.53                | PK2  | 33.6           | -28                   | 45.13                      | -                  | -           | 74                  | -28.87         | 233            | 135         | H        |
|        | * 4.33          | 30.63                | MAv1 | 33.6           | -28                   | 36.23                      | 54                 | -17.77      | -                   | -              | 233            | 135         | H        |
| 4      | * 4.33          | 39.71                | PK2  | 33.6           | -28                   | 45.31                      | -                  | -           | 74                  | -28.69         | 117            | 144         | V        |
|        | * 4.33          | 30.54                | MAv1 | 33.6           | -28                   | 36.14                      | 54                 | -17.86      | -                   | -              | 117            | 144         | V        |
| 5      | 6.355           | 32.51                | Pk   | 35.6           | -26.5                 | 41.61                      | -                  | -           | -                   | -              | 0-360          | 100         | H        |
| 6      | 6.565           | 34.94                | Pk   | 35.7           | -26.2                 | 44.44                      | -                  | -           | -                   | -              | 0-360          | 200         | V        |

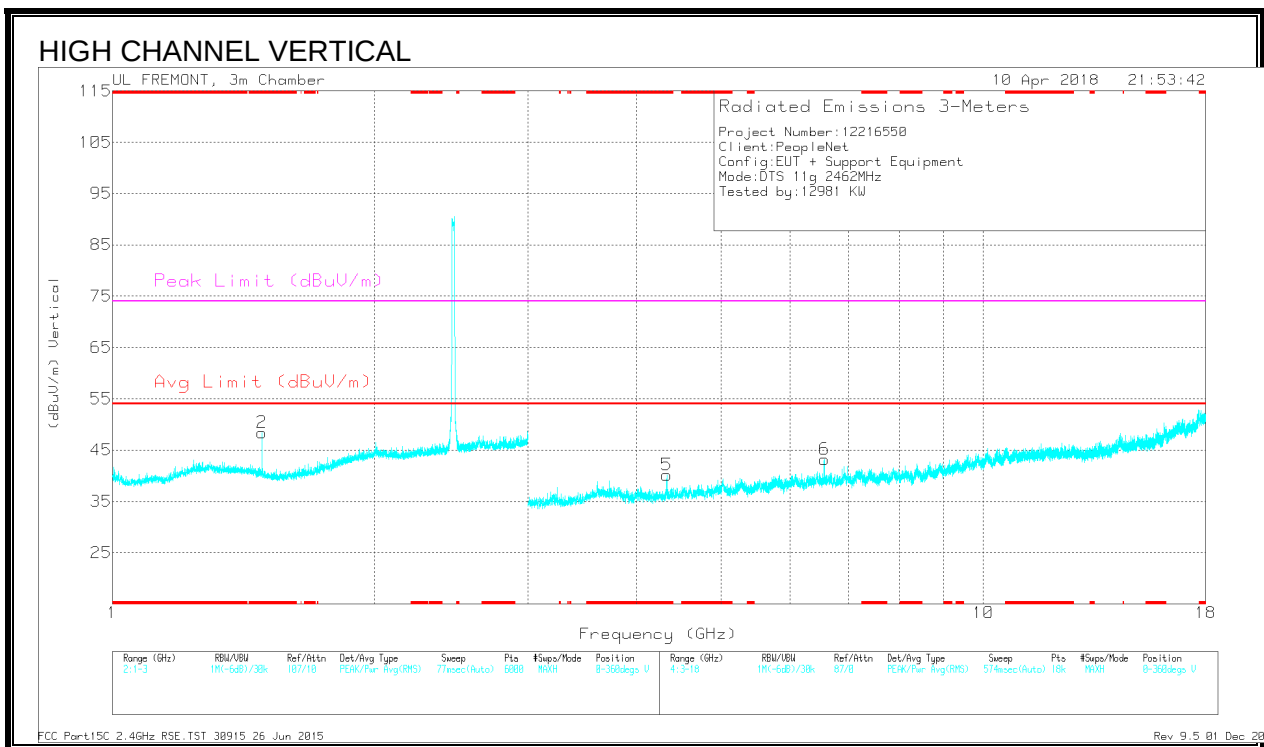
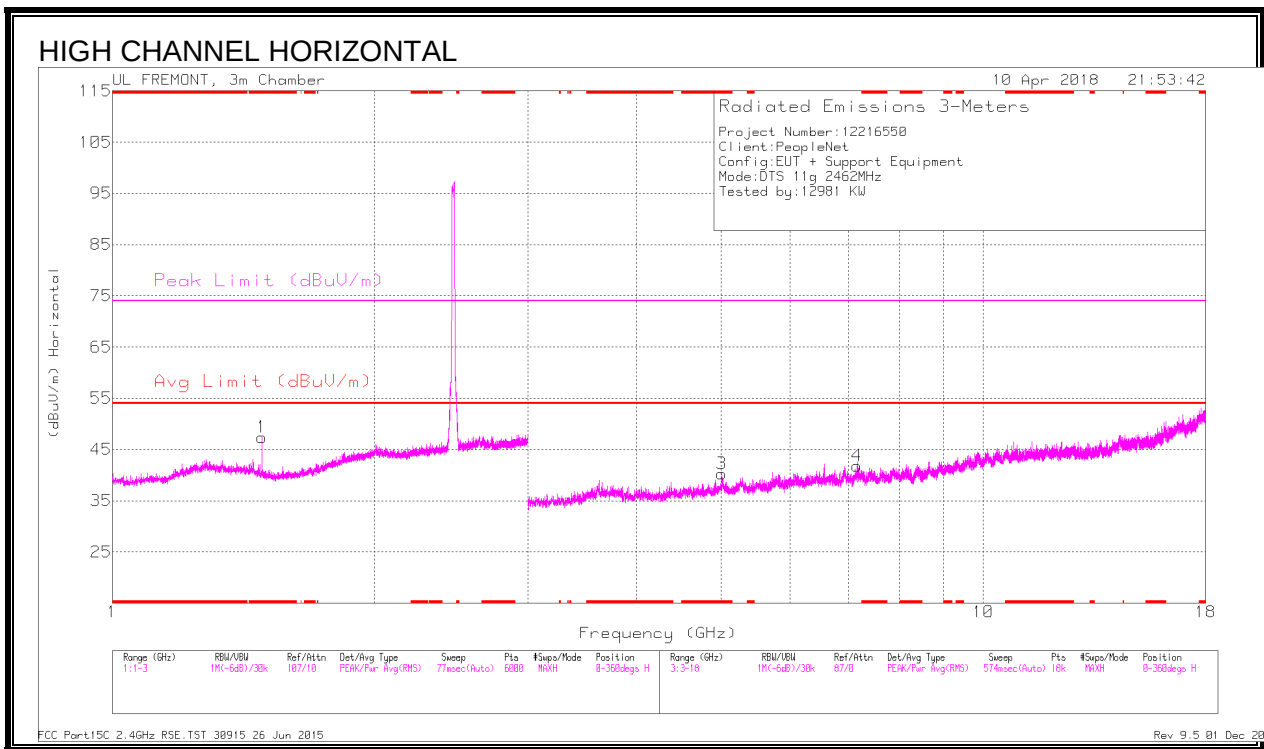
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**HARMONICS AND SPURIOUS EMISSIONS HIGH CHANNEL, CH 11)**



## DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T120 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.485         | 41.27                | PK2  | 28.4           | -21.6                 | 48.07                      | -                  | -           | 74                  | -25.93         | 114            | 115         | H        |
|        | * 1.485         | 31.66                | MAv1 | 28.4           | -21.6                 | 38.46                      | 54                 | -15.54      | -                   | -              | 114            | 115         | H        |
| 2      | * 1.485         | 42.15                | PK2  | 28.4           | -21.6                 | 48.95                      | -                  | -           | 74                  | -25.05         | 58             | 228         | V        |
|        | * 1.485         | 32.62                | MAv1 | 28.4           | -21.6                 | 39.42                      | 54                 | -14.58      | -                   | -              | 58             | 228         | V        |
| 3      | * 5.01          | 37.37                | PK2  | 34.2           | -25.9                 | 45.67                      | -                  | -           | 74                  | -28.33         | 251            | 141         | H        |
|        | * 5.008         | 26.83                | MAv1 | 34.2           | -26.4                 | 34.63                      | 54                 | -19.37      | -                   | -              | 251            | 141         | H        |
| 5      | * 4.33          | 39.42                | PK2  | 33.6           | -28                   | 45.02                      | -                  | -           | 74                  | -28.98         | 119            | 108         | V        |
|        | * 4.33          | 30.17                | MAv1 | 33.6           | -28                   | 35.77                      | 54                 | -18.23      | -                   | -              | 119            | 108         | V        |
| 6      | 6.565           | 33.73                | Pk   | 35.7           | -26.2                 | 43.23                      | -                  | -           | -                   | -              | 0-360          | 100         | V        |
| 4      | 7.161           | 29.9                 | Pk   | 35.7           | -23.8                 | 41.8                       | -                  | -           | -                   | -              | 0-360          | 200         | H        |

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

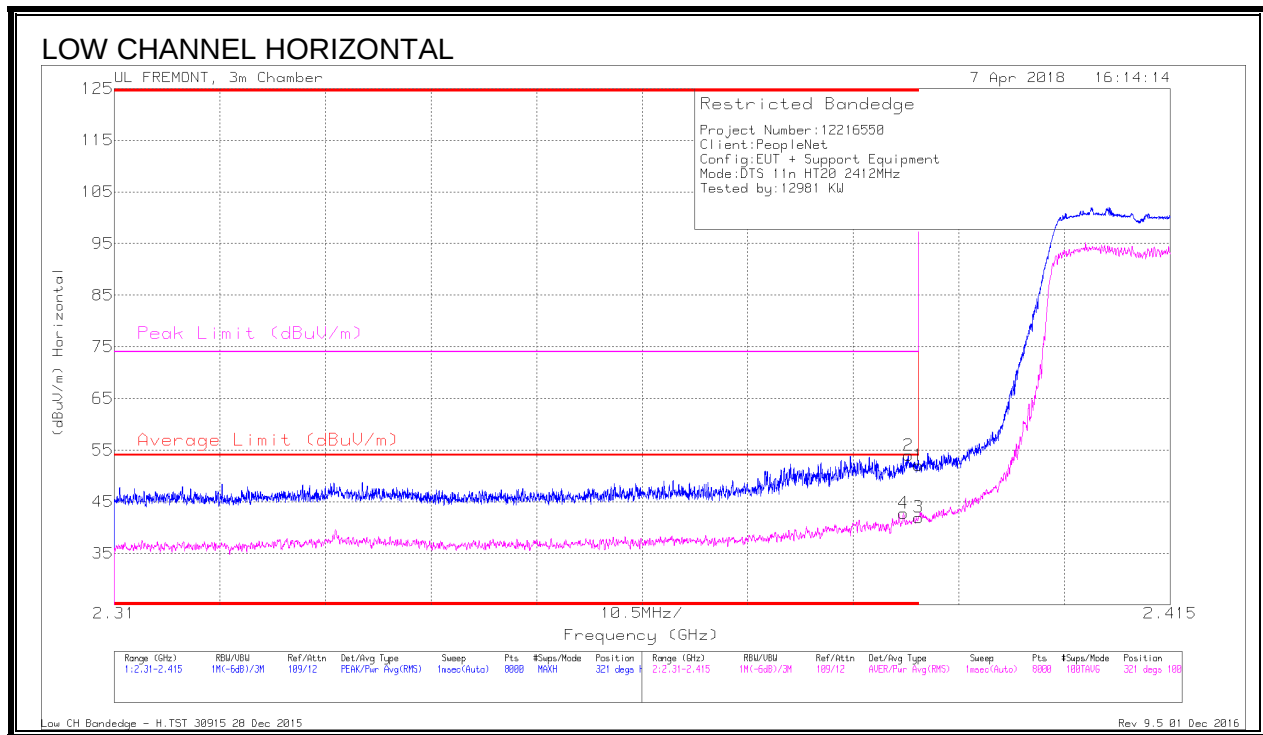
Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### 9.2.3. 802.11n HT20 MODE IN THE 2.4 GHz BAND

#### AUTHORIZED BANDEDGE (LOW CHANNEL, CH 1)



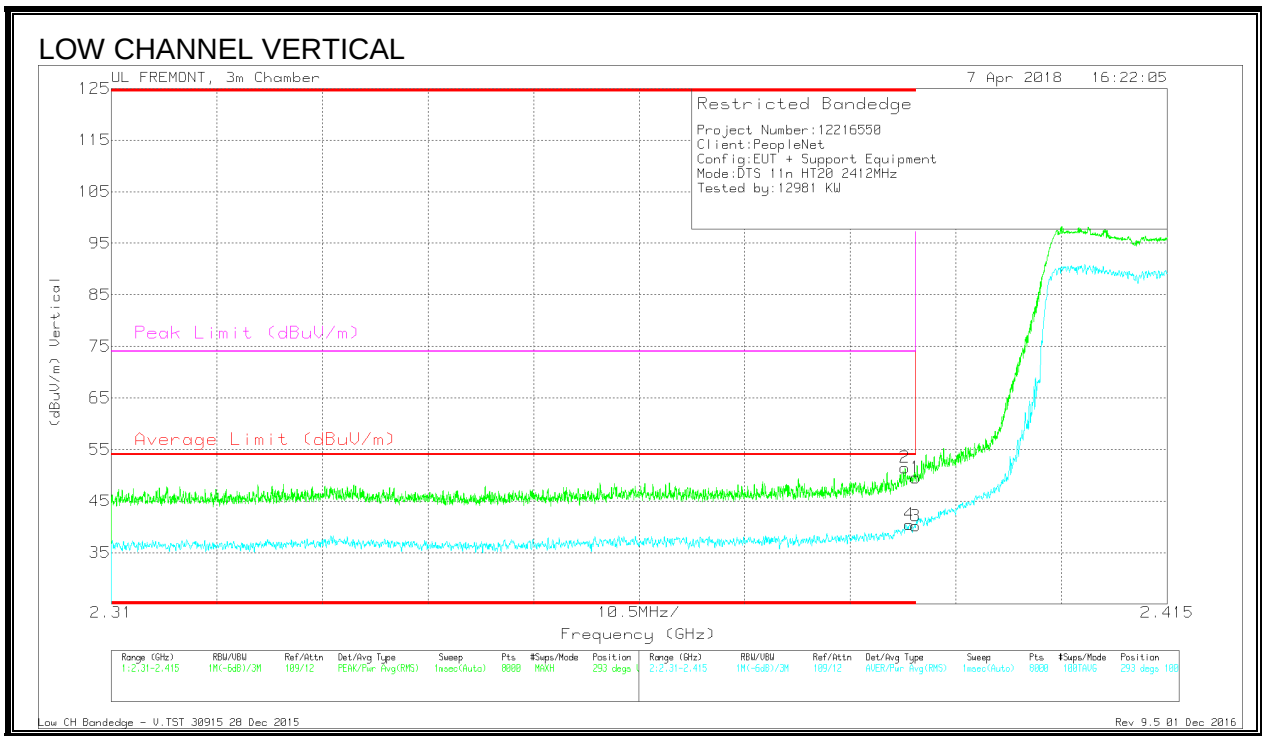
#### DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cbl/Filtr/P ad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 4      | * 2.388         | 32.18                | RMS | 31.9           | -21.3                   | 42.78                      | 54                     | -11.22      | -                   | -              | 321            | 100         | H        |
| 2      | * 2.389         | 43.47                | Pk  | 31.9           | -21.4                   | 53.97                      | -                      | -           | 74                  | -20.03         | 321            | 100         | H        |
| 1      | * 2.39          | 41.52                | Pk  | 31.9           | -21.4                   | 52.02                      | -                      | -           | 74                  | -21.98         | 321            | 100         | H        |
| 3      | * 2.39          | 31.45                | RMS | 31.9           | -21.4                   | 41.95                      | 54                     | -12.05      | -                   | -              | 321            | 100         | H        |

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

Pk - Peak detector

RMS - RMS detection



## DATA

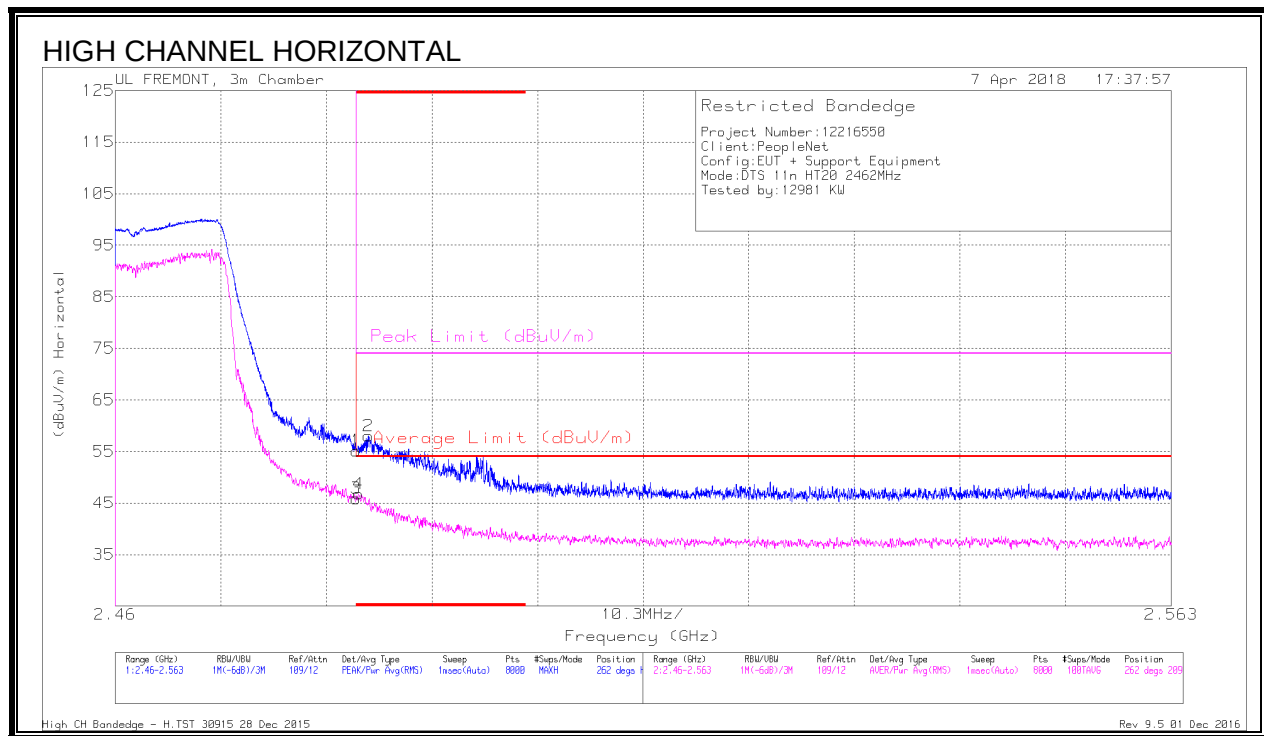
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cbl/Filtr/P ad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 2.389         | 40.99                | Pk  | 31.9           | -21.4                   | 51.49                      | -                      | -           | 74                  | -22.51         | 293            | 100         | V        |
| 4      | * 2.389         | 29.98                | RMS | 31.9           | -21.4                   | 40.48                      | 54                     | -13.52      | -                   | -              | 293            | 100         | V        |
| 1      | * 2.39          | 39.04                | Pk  | 31.9           | -21.4                   | 49.54                      | -                      | -           | 74                  | -24.46         | 293            | 100         | V        |
| 3      | * 2.39          | 29.67                | RMS | 31.9           | -21.4                   | 40.17                      | 54                     | -13.83      | -                   | -              | 293            | 100         | V        |

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

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 11)**



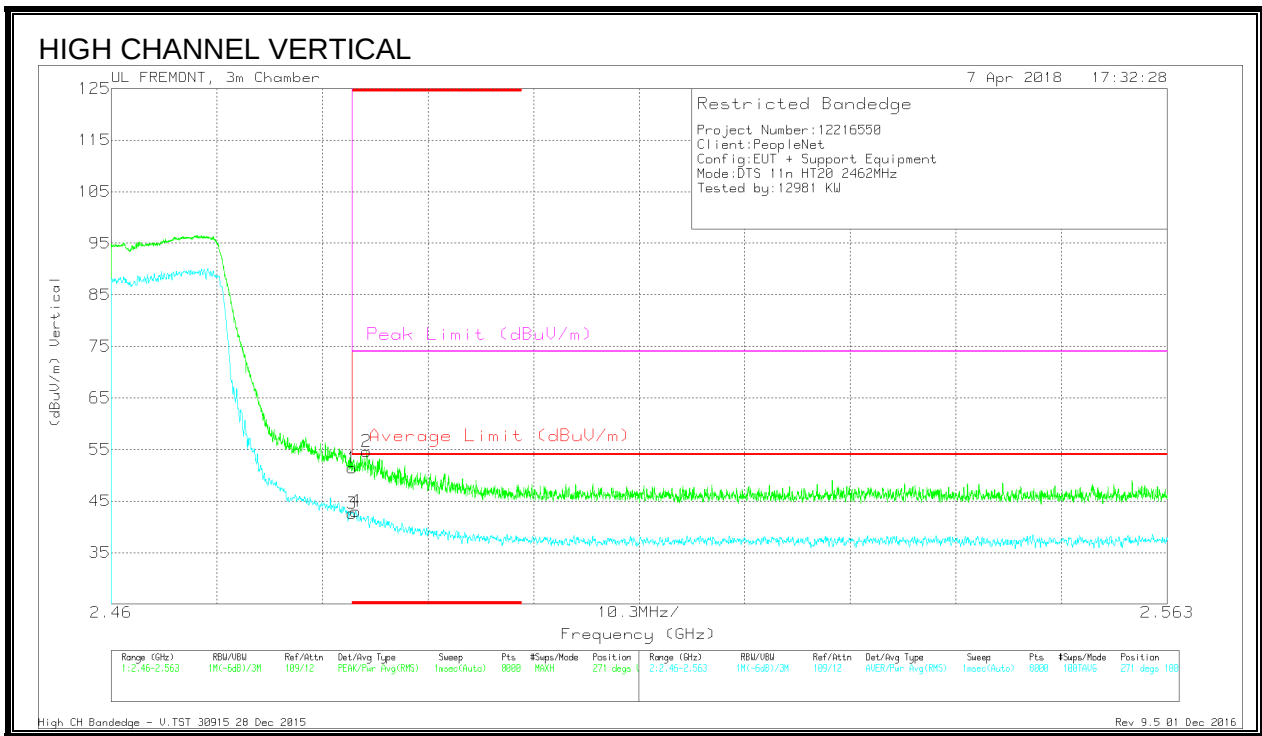
## DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Ctrl/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         | 44.72                | Pk  | 32.2           | -21.8                  | 55.12                      | -                      | -           | 74                  | -18.88         | 262            | 209         | H        |
| 3      | * 2.484         | 35.48                | RMS | 32.2           | -21.8                  | 45.88                      | 54                     | -8.12       | -                   | -              | 262            | 209         | H        |
| 4      | * 2.484         | 36.35                | RMS | 32.2           | -21.8                  | 46.75                      | 54                     | -7.25       | -                   | -              | 262            | 209         | H        |
| 2      | * 2.485         | 47.63                | Pk  | 32.2           | -21.8                  | 58.03                      | -                      | -           | 74                  | -15.97         | 262            | 209         | H        |

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

Pk - Peak detector

## RMS - RMS detection



## DATA

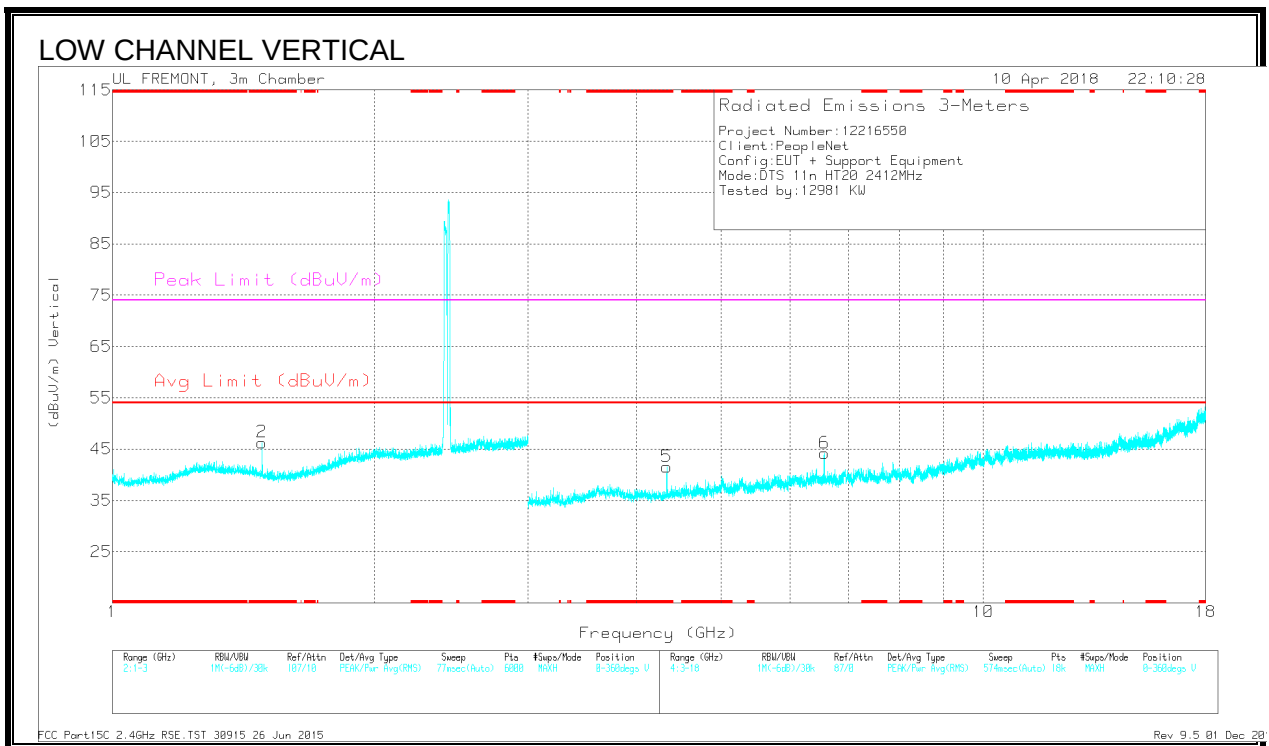
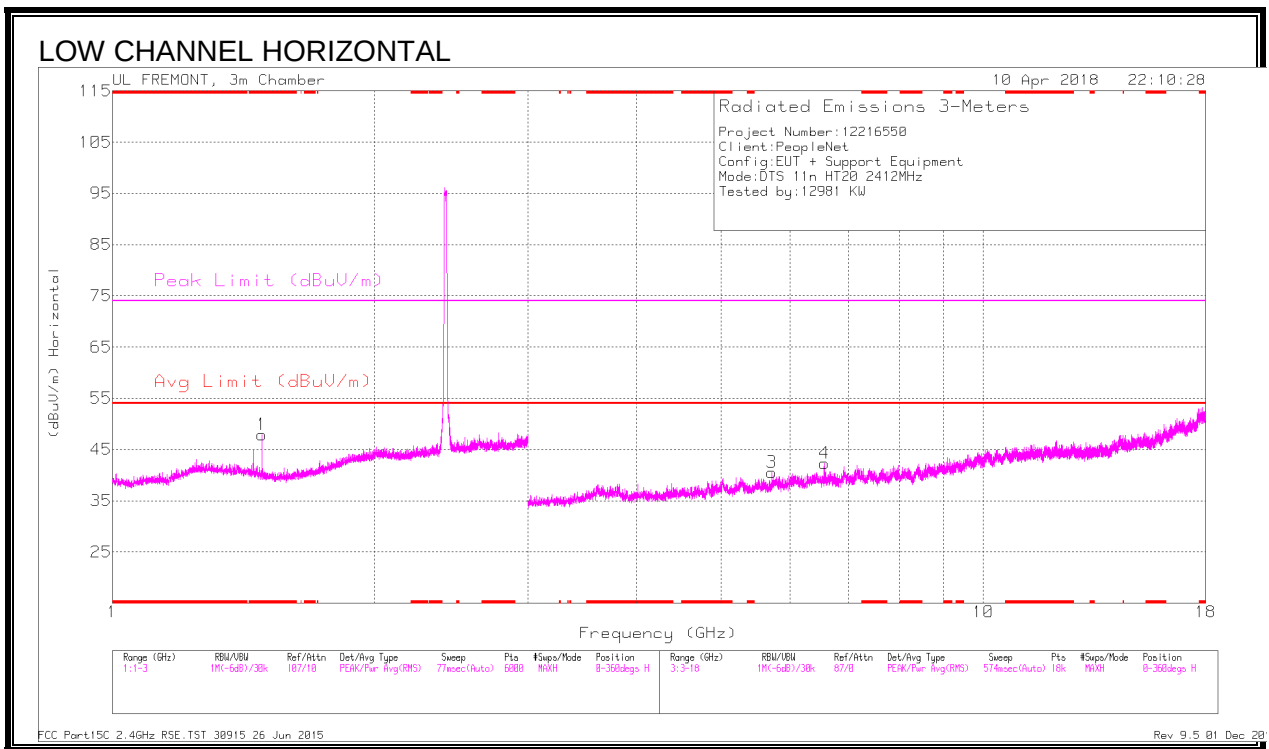
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cbl/FiltriP ad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 41.04                | Pk  | 32.2           | -21.8                   | 51.44                      | -                      | -           | 74                  | -22.56         | 271            | 100         | V        |
| 3      | * 2.484         | 32.22                | RMS | 32.2           | -21.8                   | 42.62                      | 54                     | -11.38      | -                   | -              | 271            | 100         | V        |
| 4      | * 2.484         | 32.64                | RMS | 32.2           | -21.8                   | 43.04                      | 54                     | -10.96      | -                   | -              | 271            | 100         | V        |
| 2      | * 2.485         | 44.22                | Pk  | 32.2           | -21.8                   | 54.62                      | -                      | -           | 74                  | -19.38         | 271            | 100         | V        |

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

Pk - Peak detector

RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS LOW CHANNEL, CH 1)**



## DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T120 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.485         | 41.82                | PK2  | 28.4           | -21.6                 | 48.62                      | -                  | -           | 74                  | -25.38         | 162            | 135         | H        |
|        | * 1.485         | 31.88                | MAv1 | 28.4           | -21.6                 | 38.68                      | 54                 | -15.32      | -                   | -              | 162            | 135         | H        |
| 2      | * 1.485         | 42.04                | PK2  | 28.4           | -21.6                 | 48.84                      | -                  | -           | 74                  | -25.16         | 199            | 141         | V        |
|        | * 1.485         | 32.95                | MAv1 | 28.4           | -21.6                 | 39.75                      | 54                 | -14.25      | -                   | -              | 199            | 141         | V        |
| 5      | * 4.33          | 39.48                | PK2  | 33.6           | -28                   | 45.08                      | -                  | -           | 74                  | -28.92         | 110            | 169         | V        |
|        | * 4.33          | 30.32                | MAv1 | 33.6           | -28                   | 35.92                      | 54                 | -18.08      | -                   | -              | 110            | 169         | V        |
| 3      | 5.713           | 32.46                | Pk   | 34.9           | -26.8                 | 40.56                      | -                  | -           | -                   | -              | 0-360          | 200         | H        |
| 4      | 6.565           | 32.81                | Pk   | 35.7           | -26.2                 | 42.31                      | -                  | -           | -                   | -              | 0-360          | 200         | H        |
| 6      | 6.565           | 34.76                | Pk   | 35.7           | -26.2                 | 44.26                      | -                  | -           | -                   | -              | 0-360          | 100         | V        |

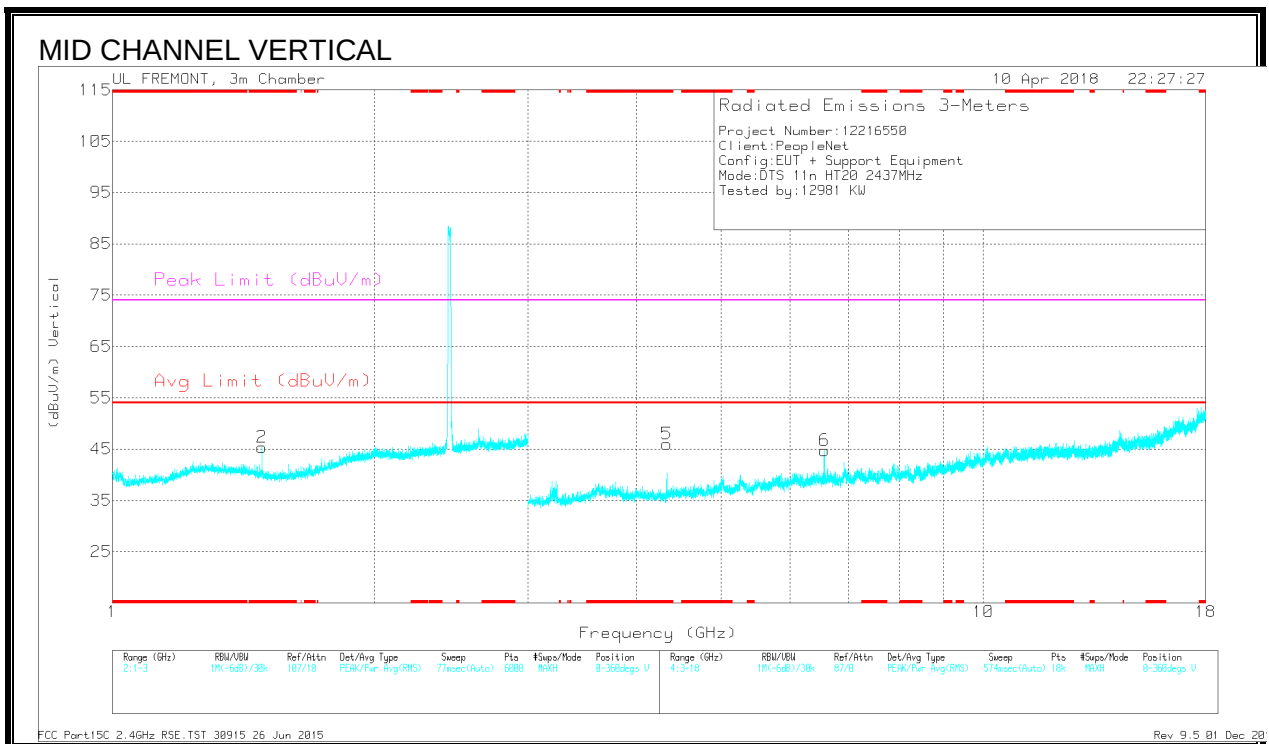
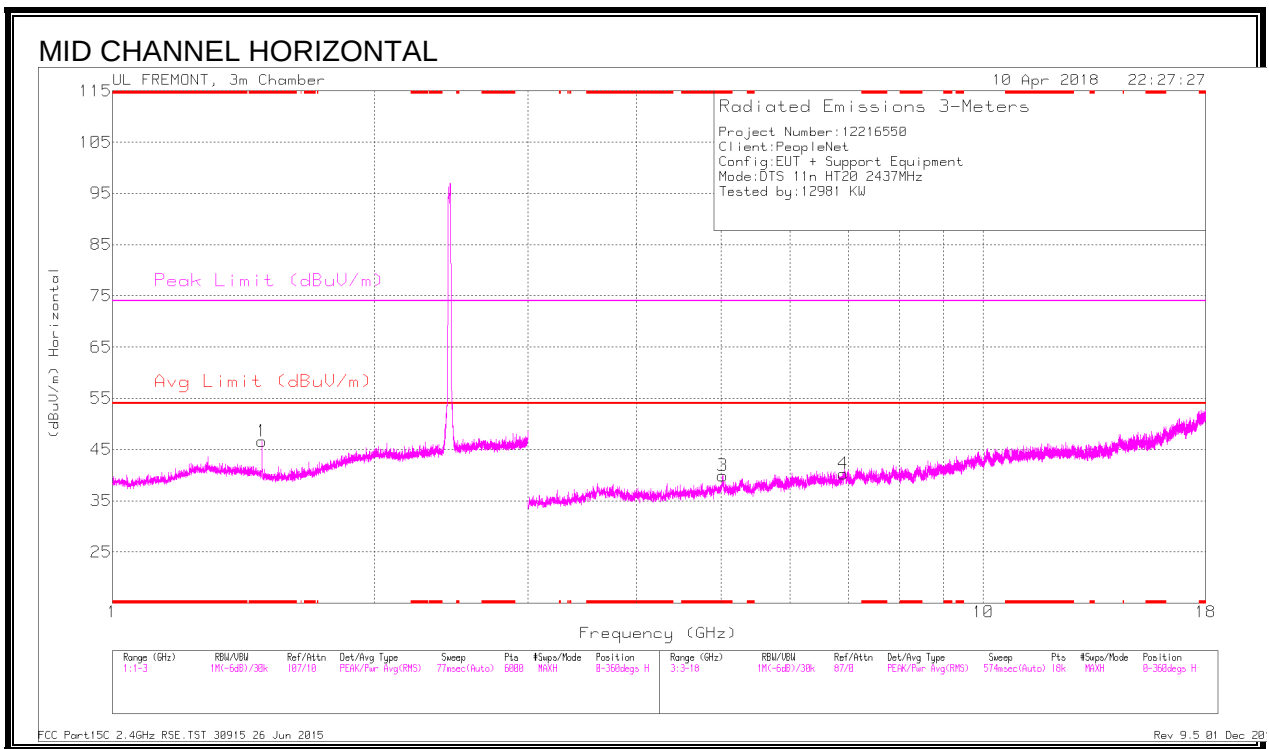
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**HARMONICS AND SPURIOUS EMISSIONS MID CHANNEL, CH 6)**



**DATA**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T120 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.485         | 45.39                | PK2  | 28.4           | -21.6                 | 52.19                      | -                  | -           | 74                  | -21.81         | 42             | 108         | H        |
|        | * 1.485         | 39.01                | MAv1 | 28.4           | -21.6                 | 45.81                      | 54                 | -8.19       | -                   | -              | 42             | 108         | H        |
| 2      | * 1.485         | 41.35                | PK2  | 28.4           | -21.6                 | 48.15                      | -                  | -           | 74                  | -25.85         | 221            | 114         | V        |
|        | * 1.485         | 31.54                | MAv1 | 28.4           | -21.6                 | 38.34                      | 54                 | -15.66      | -                   | -              | 221            | 114         | V        |
| 3      | * 5.021         | 36.59                | PK2  | 34.2           | -24.2                 | 46.59                      | -                  | -           | 74                  | -27.41         | 115            | 205         | H        |
|        | * 5.02          | 25.62                | MAv1 | 34.2           | -24.2                 | 35.62                      | 54                 | -18.38      | -                   | -              | 115            | 205         | H        |
| 5      | * 4.33          | 40.23                | PK2  | 33.6           | -28                   | 45.83                      | -                  | -           | 74                  | -28.17         | 79             | 151         | V        |
|        | * 4.33          | 31.19                | MAv1 | 33.6           | -28                   | 36.79                      | 54                 | -17.21      | -                   | -              | 79             | 151         | V        |
| 6      | 6.565           | 35.18                | Pk   | 35.7           | -26.2                 | 44.68                      | -                  | -           | -                   | -              | 0-360          | 200         | V        |
| 4      | 6.909           | 29.49                | Pk   | 35.7           | -24.9                 | 40.29                      | -                  | -           | -                   | -              | 0-360          | 100         | H        |

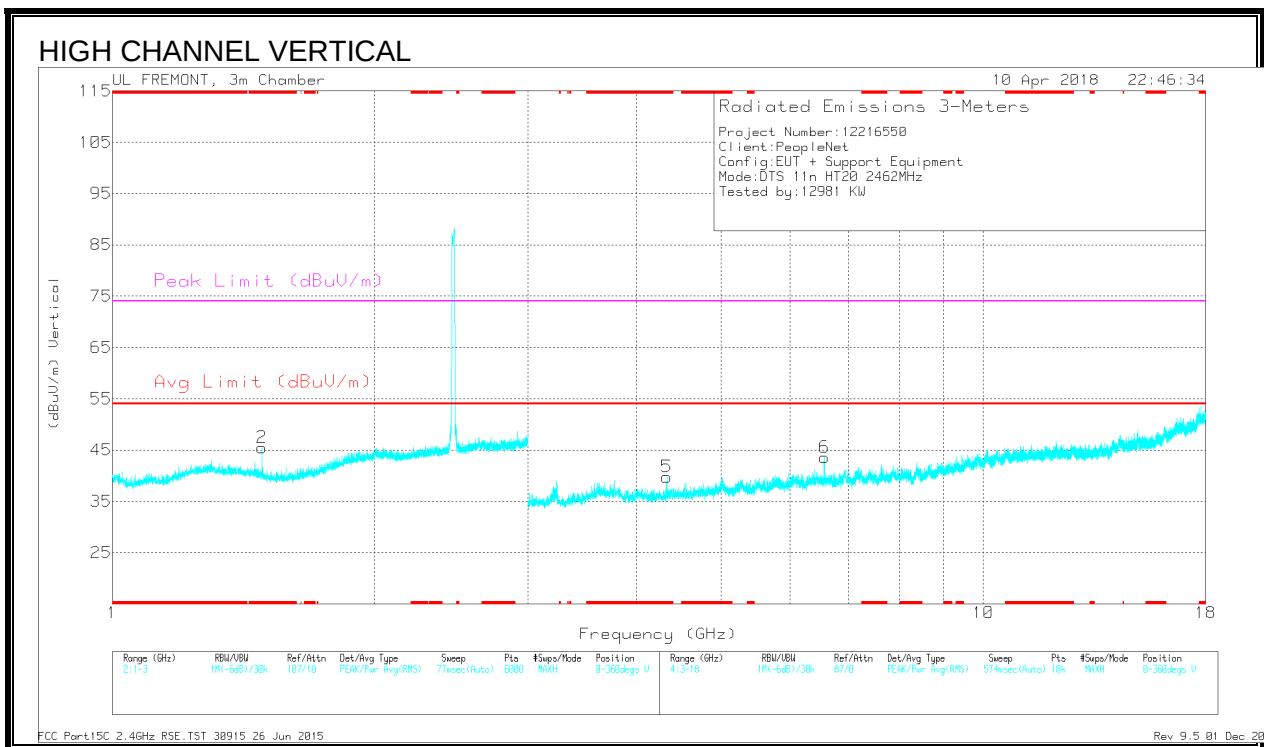
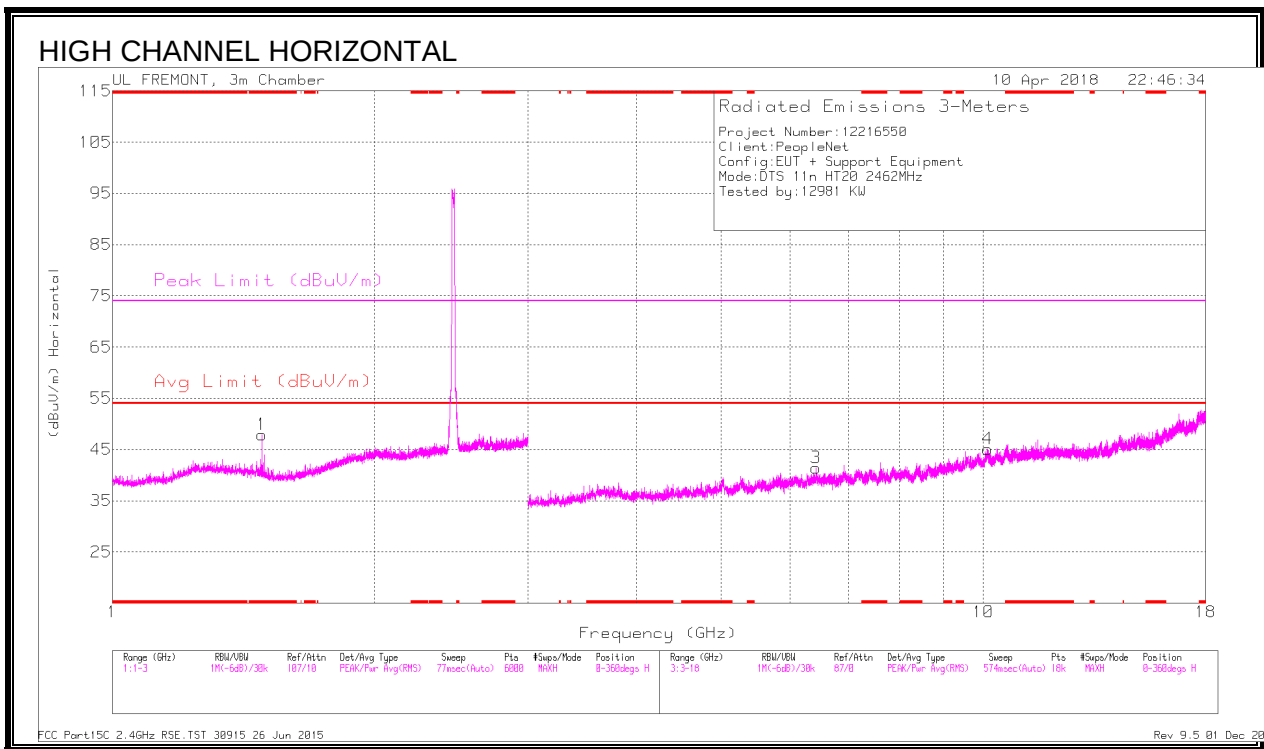
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**HARMONICS AND SPURIOUS EMISSIONS HIGH CHANNEL, CH 11)**



## DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T120 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.485         | 41.61                | PK2  | 28.4           | -21.6                 | 48.41                      | -                  | -           | 74                  | -25.59         | 99             | 108         | H        |
|        | * 1.485         | 31.59                | MAv1 | 28.4           | -21.6                 | 38.39                      | 54                 | -15.61      | -                   | -              | 99             | 108         | H        |
| 2      | * 1.485         | 42.72                | PK2  | 28.4           | -21.6                 | 49.52                      | -                  | -           | 74                  | -24.48         | 110            | 216         | V        |
|        | * 1.485         | 34.02                | MAv1 | 28.4           | -21.6                 | 40.82                      | 54                 | -13.18      | -                   | -              | 110            | 216         | V        |
| 5      | * 4.329         | 39.23                | PK2  | 33.6           | -28                   | 44.83                      | -                  | -           | 74                  | -29.17         | 132            | 111         | V        |
|        | * 4.33          | 27.59                | MAv1 | 33.6           | -28                   | 33.19                      | 54                 | -20.81      | -                   | -              | 132            | 111         | V        |
| 3      | 6.424           | 31.95                | Pk   | 35.6           | -26.1                 | 41.45                      | -                  | -           | -                   | -              | 0-360          | 100         | H        |
| 6      | 6.565           | 34.03                | Pk   | 35.7           | -26.2                 | 43.53                      | -                  | -           | -                   | -              | 0-360          | 200         | V        |
| 4      | 10.117          | 27.86                | Pk   | 37.4           | -20.2                 | 45.06                      | -                  | -           | -                   | -              | 0-360          | 100         | H        |

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

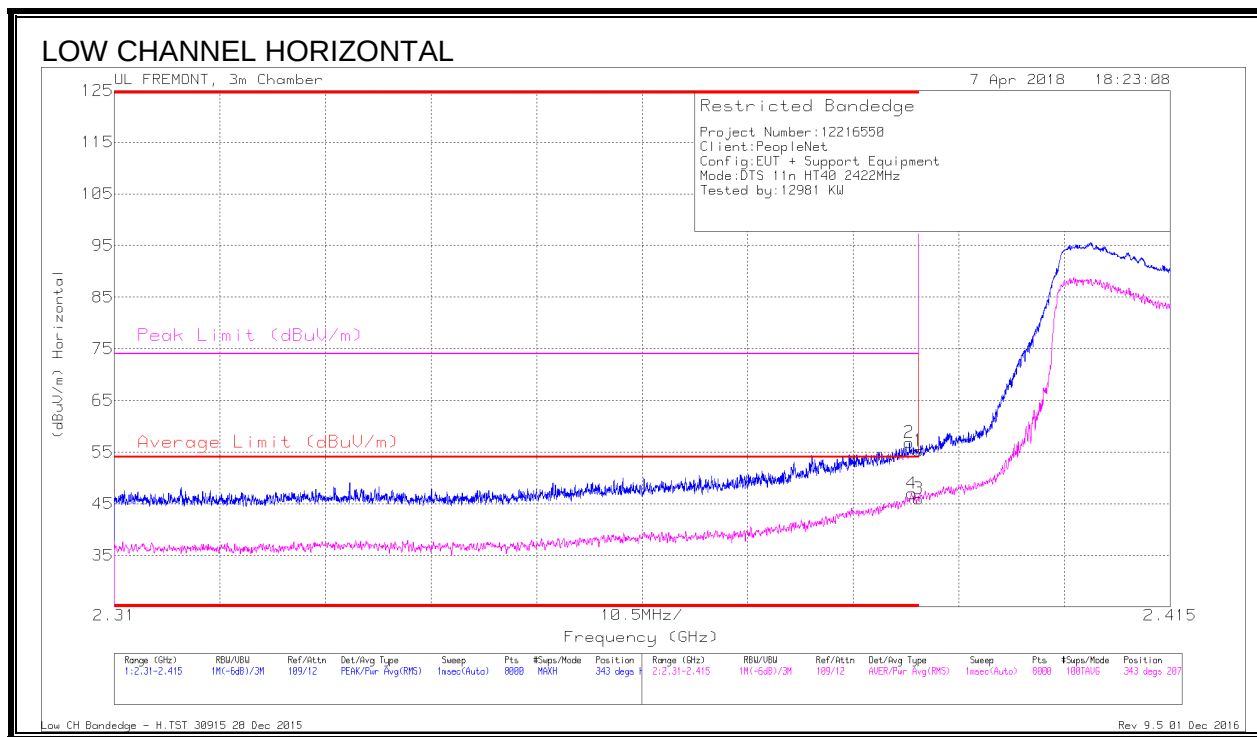
Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

## 9.2.4. 802.11n HT40 MODE IN THE 2.4 GHz BAND

### AUTHORIZED BANDEDGE (LOW CHANNEL, CH 3)



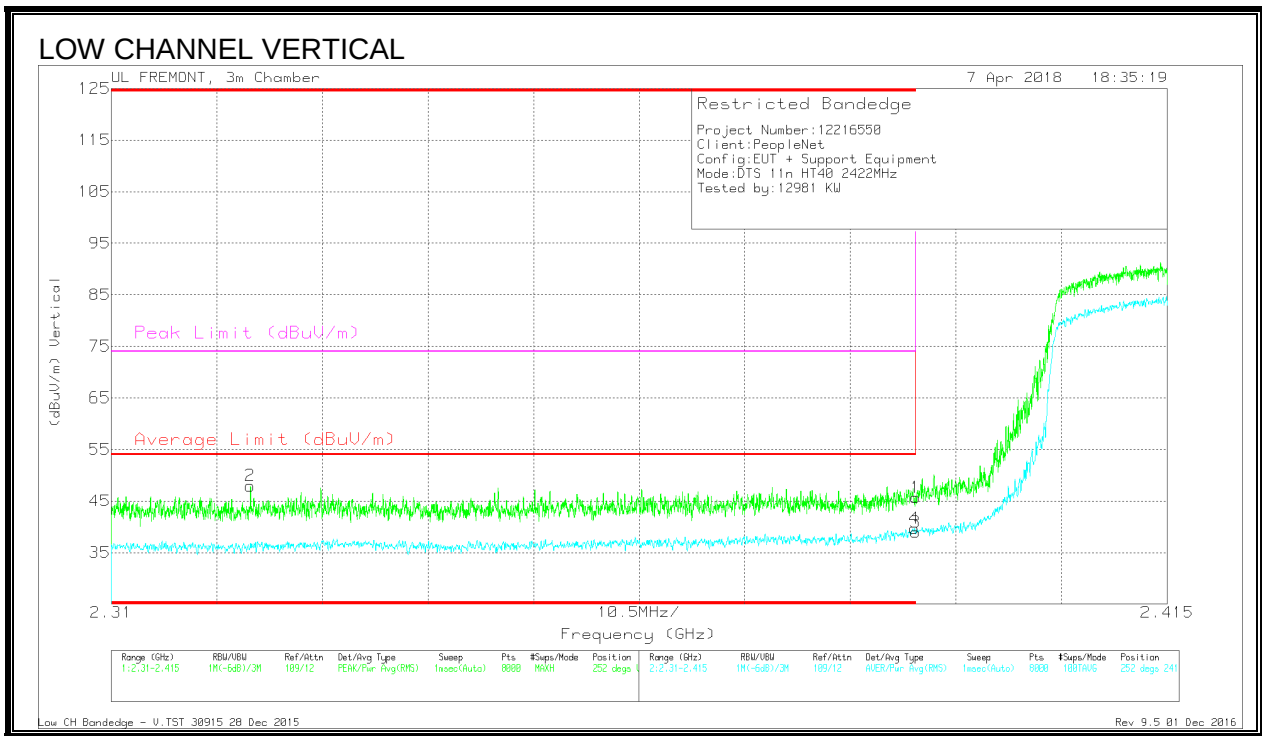
### DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (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 |
|--------|-----------------|----------------------|-----|----------------|----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 2.389         | 46.35                | Pk  | 31.9           | -21.4                | 56.85                      | -                      | -           | 74                  | -17.15         | 343            | 207         | H        |
| 4      | * 2.389         | 36.49                | RMS | 31.9           | -21.4                | 46.99                      | 54                     | -7.01       | -                   | -              | 343            | 207         | H        |
| 1      | * 2.39          | 44.74                | Pk  | 31.9           | -21.4                | 55.24                      | -                      | -           | 74                  | -18.76         | 343            | 207         | H        |
| 3      | * 2.39          | 35.48                | RMS | 31.9           | -21.4                | 45.98                      | 54                     | -8.02       | -                   | -              | 343            | 207         | H        |

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

Pk - Peak detector

RMS - RMS detection



## DATA

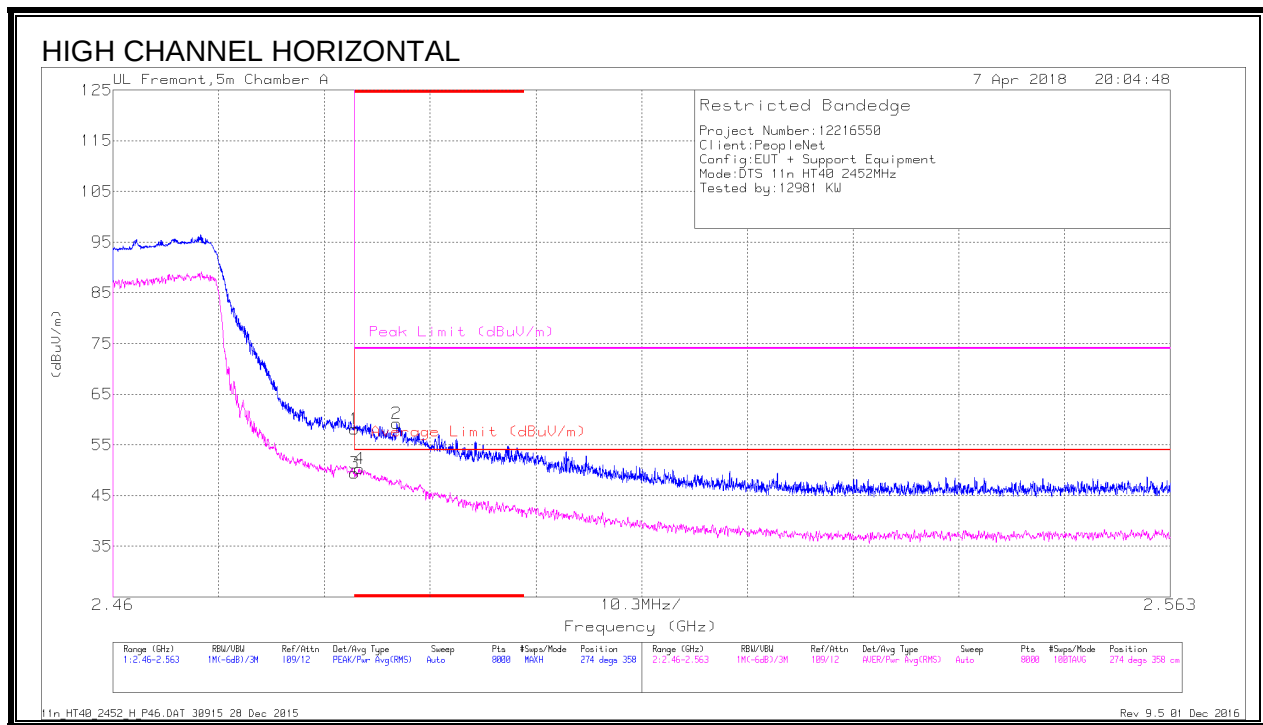
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cbl/Filtr/P ad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 2.324         | 38.05                | Pk  | 31.7           | -21.8                   | 47.95                      | -                      | -           | 74                  | -26.05         | 252            | 241         | V        |
| 1      | * 2.39          | 35.18                | Pk  | 31.9           | -21.4                   | 45.68                      | -                      | -           | 74                  | -28.32         | 252            | 241         | V        |
| 3      | * 2.39          | 28.44                | RMS | 31.9           | -21.4                   | 38.94                      | 54                     | -15.06      | -                   | -              | 252            | 241         | V        |
| 4      | * 2.39          | 29.19                | RMS | 31.9           | -21.4                   | 39.69                      | 54                     | -14.31      | -                   | -              | 252            | 241         | V        |

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

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEGE (HIGH CHANNEL, CH 9)**



**DATA**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cbl/Filt/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 47.68                | Pk  | 32.2           | -21.8                 | 58.08                      | -                      | -           | 74                  | -15.92         | 274            | 358         | H        |
| 2      | * 2.488         | 48.84                | PK  | 32.2           | -21.8                 | 59.24                      | -                      | -           | 74                  | -14.76         | 274            | 358         | H        |
| 3      | * 2.484         | 39                   | RMS | 32.2           | -21.8                 | 49.4                       | 54                     | -4.6        | -                   | -              | 274            | 358         | H        |
| 4      | * 2.484         | 39.93                | RMS | 32.2           | -21.8                 | 50.33                      | 54                     | -3.67       | -                   | -              | 274            | 358         | H        |

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

Pk - Peak detector

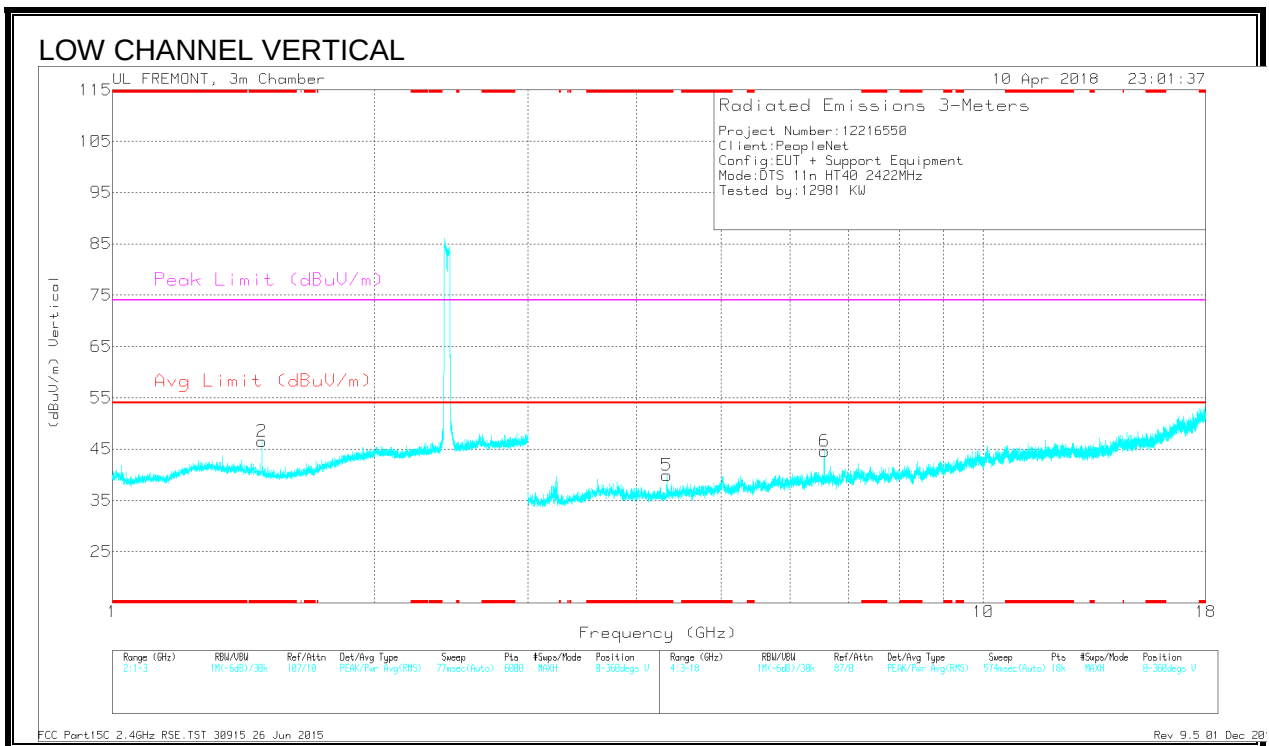
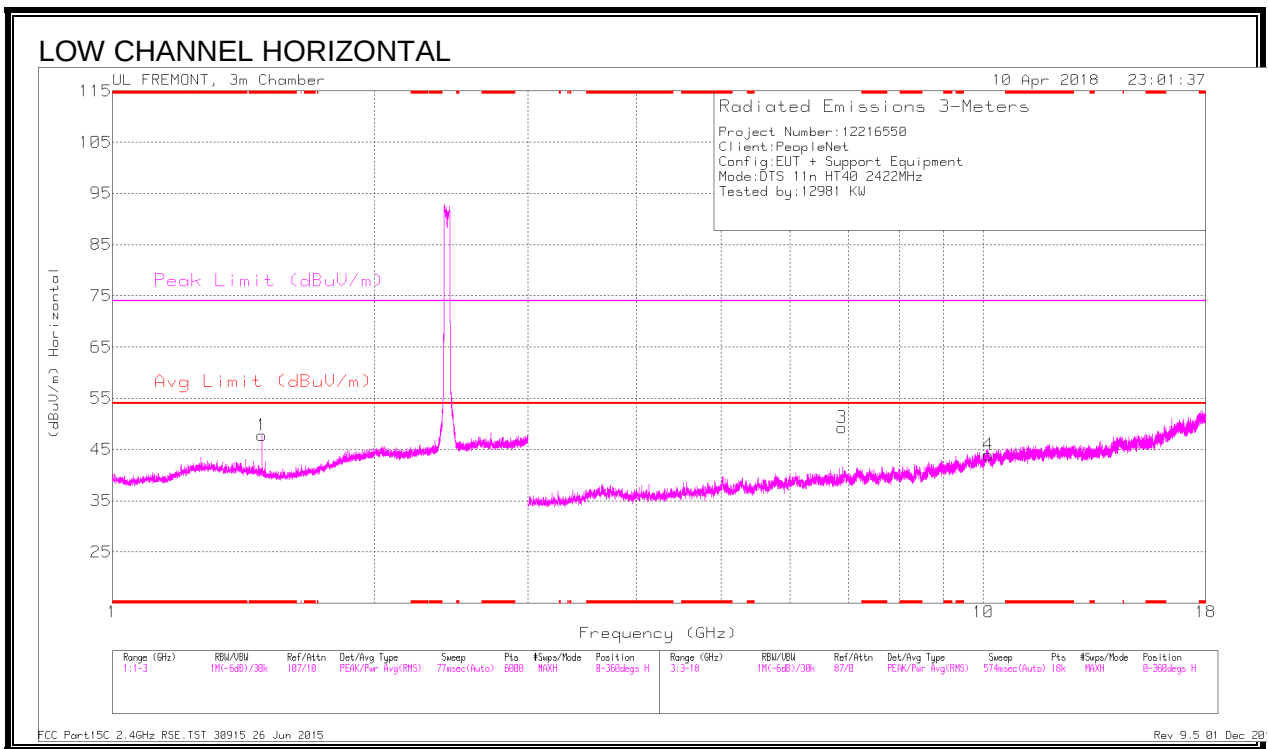
RMS - RMS detection



| Marker | Frequency (GHz) | Meter Reading (GHzV) | 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 |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 43.62                | Pk  | 32.2           | -21.8                  | 54.02                      | -                      | -           | 74                  | -19.98         | 324            | 352         | V        |
| 2      | * 2.484         | 46.37                | Pk  | 32.2           | -21.8                  | 56.77                      | -                      | -           | 74                  | -17.23         | 324            | 352         | V        |
| 3      | * 2.484         | 34.4                 | RMS | 32.2           | -21.8                  | 44.8                       | 54                     | -9.2        | -                   | -              | 324            | 352         | V        |
| 4      | * 2.484         | 35.25                | RMS | 32.2           | -21.8                  | 45.65                      | 54                     | -8.35       | -                   | -              | 324            | 352         | V        |

Pk - Peak detector  
RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS LOW CHANNEL, CH 3)**



## DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T120 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.485         | 42                   | PK2  | 28.4           | -21.6                 | 48.8                       | -                  | -           | 74                  | -25.2          | 16             | 116         | H        |
|        | * 1.485         | 31.61                | MAv1 | 28.4           | -21.6                 | 38.41                      | 54                 | -15.59      | -                   | -              | 16             | 116         | H        |
| 2      | * 1.485         | 42.13                | PK2  | 28.4           | -21.6                 | 48.93                      | -                  | -           | 74                  | -25.07         | 225            | 267         | V        |
|        | * 1.485         | 33.1                 | MAv1 | 28.4           | -21.6                 | 39.9                       | 54                 | -14.1       | -                   | -              | 225            | 267         | V        |
| 5      | * 4.332         | 38.5                 | PK2  | 33.6           | -27.9                 | 44.2                       | -                  | -           | 74                  | -29.8          | 133            | 132         | V        |
|        | * 4.329         | 27.51                | MAv1 | 33.6           | -28                   | 33.11                      | 54                 | -20.89      | -                   | -              | 133            | 132         | V        |
| 6      | 6.565           | 35.04                | Pk   | 35.7           | -26.2                 | 44.54                      | -                  | -           | -                   | -              | 0-360          | 200         | V        |
| 3      | 6.879           | 40                   | Pk   | 35.7           | -26.4                 | 49.3                       | -                  | -           | -                   | -              | 0-360          | 100         | H        |
| 4      | 10.13           | 27.47                | Pk   | 37.4           | -20.9                 | 43.97                      | -                  | -           | -                   | -              | 0-360          | 100         | H        |

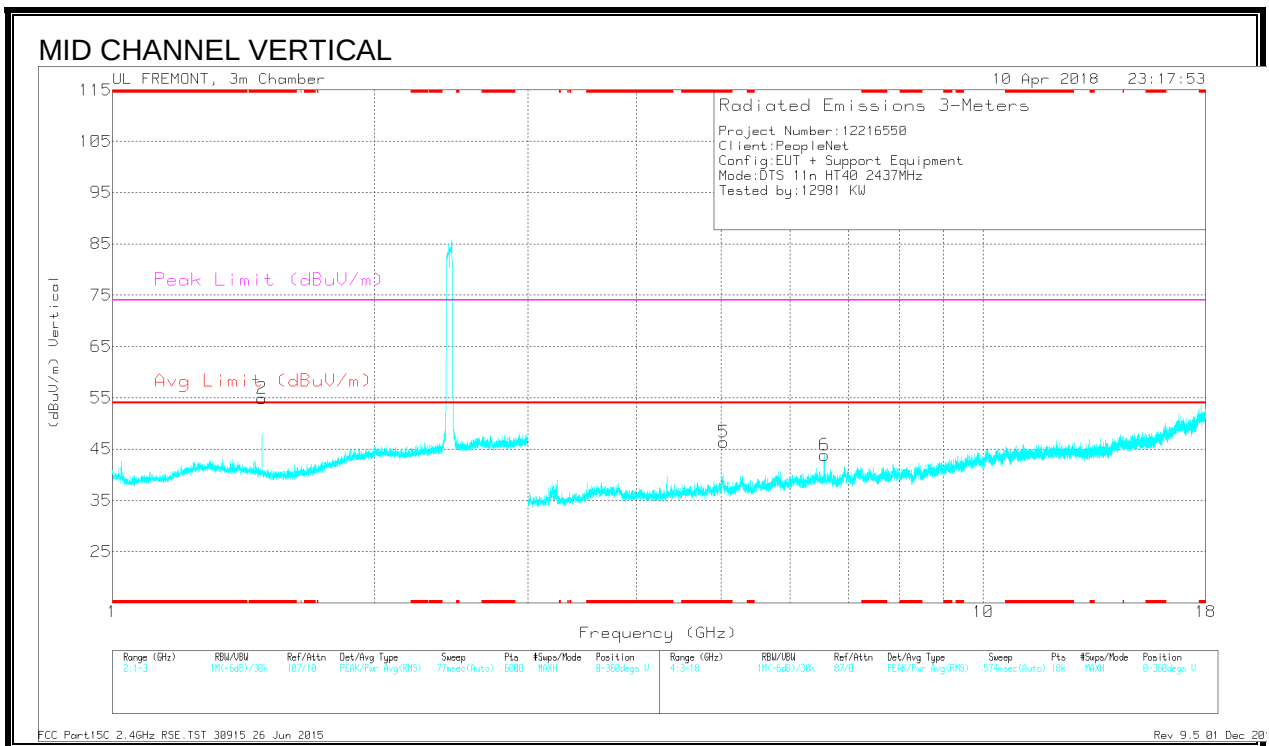
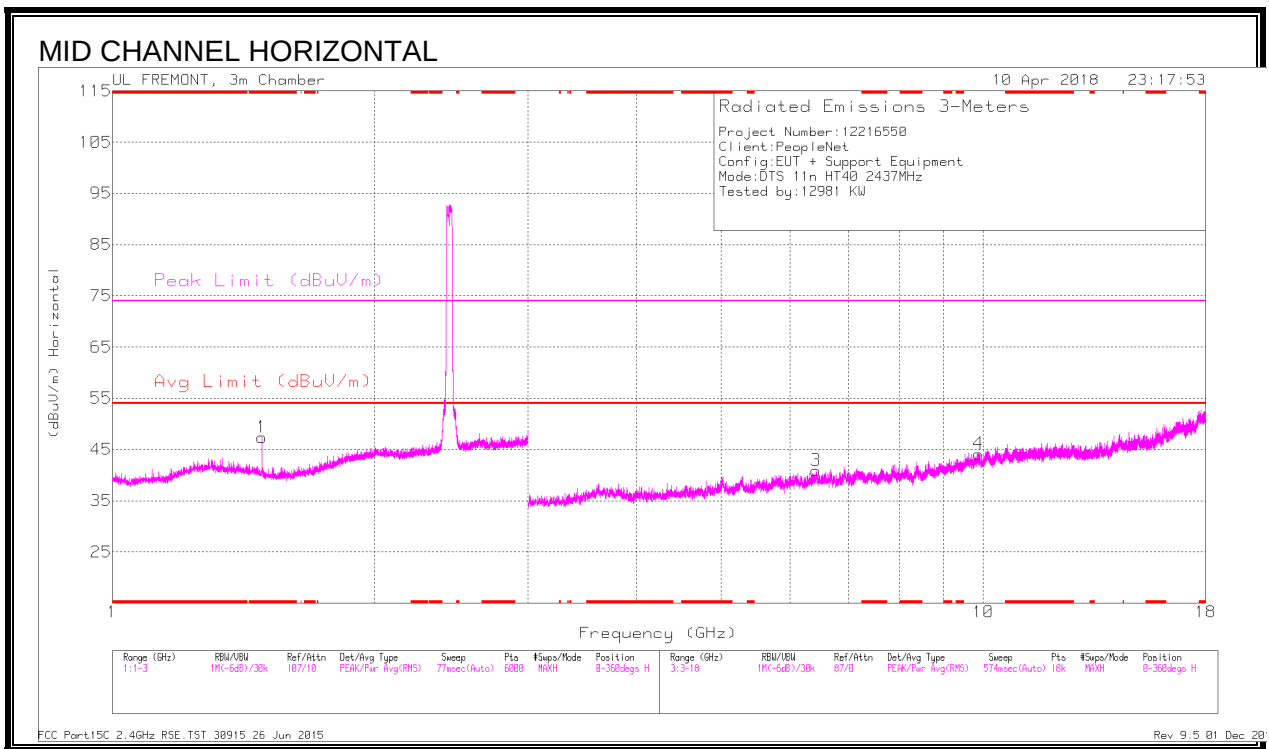
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**HARMONICS AND SPURIOUS EMISSIONS MID CHANNEL, CH 6)**



## DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T120 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.485         | 41.43                | PK2  | 28.4           | -21.6                 | 48.23                      | -                  | -           | 74                  | -25.77         | 77             | 150         | H        |
|        | * 1.485         | 31.66                | MAV1 | 28.4           | -21.6                 | 38.46                      | 54                 | -15.54      | -                   | -              | 77             | 150         | H        |
| 2      | * 1.485         | 42.07                | PK2  | 28.4           | -21.6                 | 48.87                      | -                  | -           | 74                  | -25.13         | 166            | 100         | V        |
|        | * 1.485         | 32.91                | MAV1 | 28.4           | -21.6                 | 39.71                      | 54                 | -14.29      | -                   | -              | 166            | 100         | V        |
| 5      | * 5.033         | 37.96                | PK2  | 34.2           | -26.8                 | 45.36                      | -                  | -           | 74                  | -28.64         | 181            | 164         | V        |
|        | * 5.032         | 26.8                 | MAV1 | 34.2           | -26.7                 | 34.3                       | 54                 | -19.7       | -                   | -              | 181            | 164         | V        |
| 3      | 6.429           | 30.79                | Pk   | 35.6           | -25.5                 | 40.89                      | -                  | -           | -                   | -              | 0-360          | 100         | H        |
| 6      | 6.565           | 34.37                | Pk   | 35.7           | -26.2                 | 43.87                      | -                  | -           | -                   | -              | 0-360          | 200         | V        |
| 4      | 9.872           | 27.94                | Pk   | 37.2           | -21                   | 44.14                      | -                  | -           | -                   | -              | 0-360          | 100         | H        |

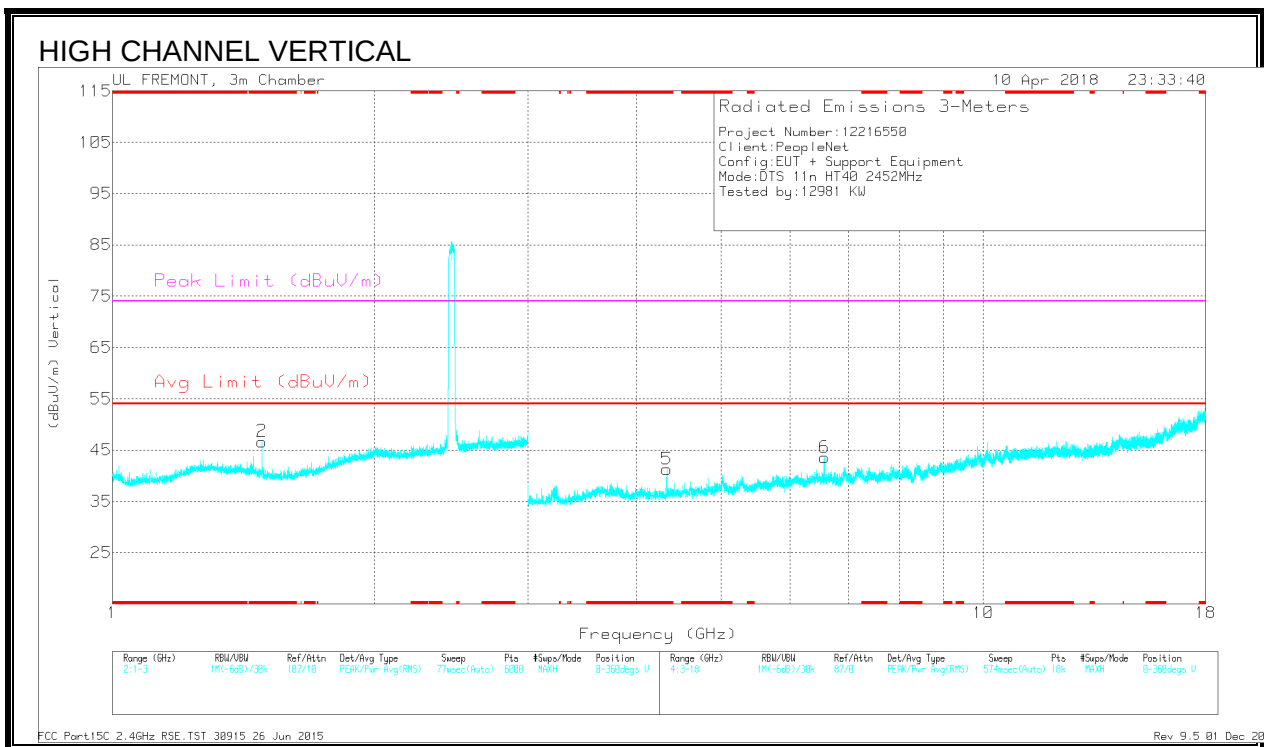
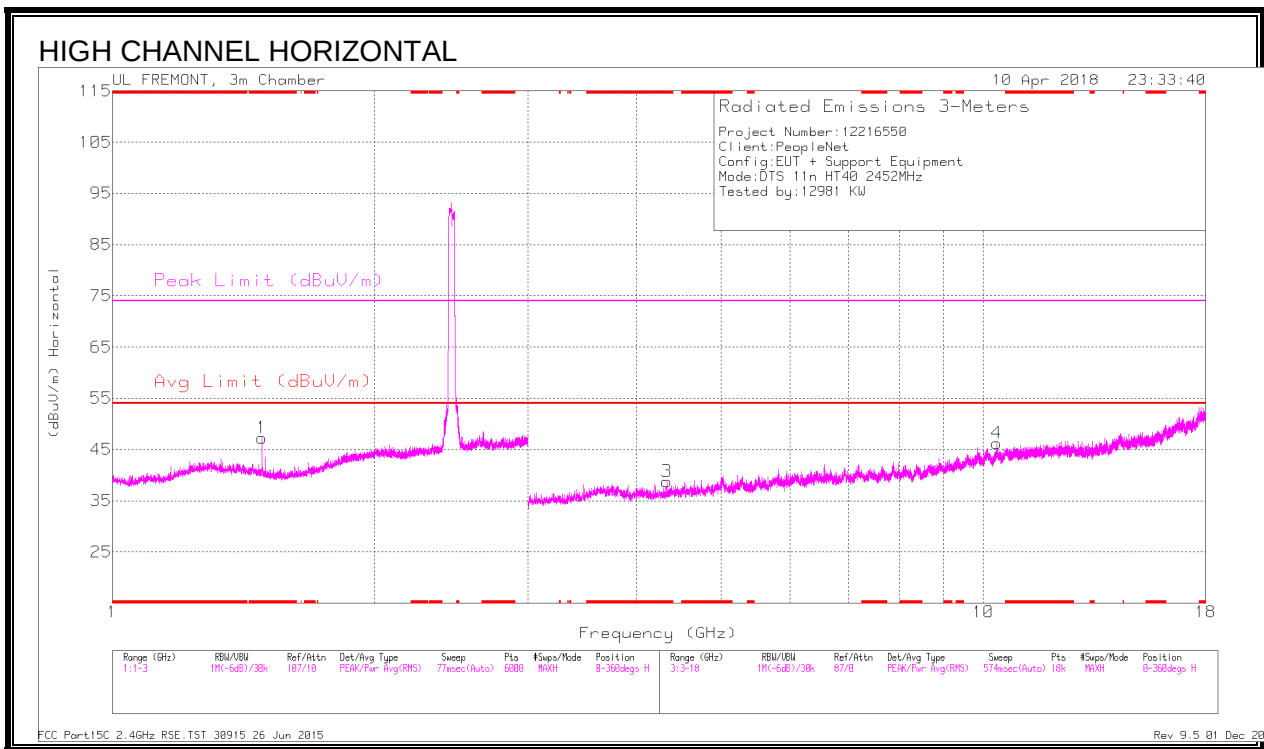
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

**HARMONICS AND SPURIOUS EMISSIONS HIGH CHANNEL, CH 9)**



# DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T120 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.485         | 41.64                | PK2  | 28.4           | -21.6                 | 48.44                      | -                  | -           | 74                  | -25.56         | 55             | 110         | H        |
|        | * 1.485         | 31.47                | MAv1 | 28.4           | -21.6                 | 38.27                      | 54                 | -15.73      | -                   | -              | 55             | 110         | H        |
| 2      | * 1.485         | 42.45                | PK2  | 28.4           | -21.6                 | 49.25                      | -                  | -           | 74                  | -24.75         | 116            | 107         | V        |
|        | * 1.485         | 32.88                | MAv1 | 28.4           | -21.6                 | 39.68                      | 54                 | -14.32      | -                   | -              | 116            | 107         | V        |
| 3      | * 4.329         | 38.26                | PK2  | 33.6           | -28                   | 43.86                      | -                  | -           | 74                  | -30.14         | 228            | 184         | H        |
|        | * 4.33          | 27.33                | MAv1 | 33.6           | -28                   | 32.93                      | 54                 | -21.07      | -                   | -              | 228            | 184         | H        |
| 5      | * 4.33          | 39.58                | PK2  | 33.6           | -28                   | 45.18                      | -                  | -           | 74                  | -28.82         | 135            | 205         | V        |
|        | * 4.33          | 30.31                | MAv1 | 33.6           | -28                   | 35.91                      | 54                 | -18.09      | -                   | -              | 135            | 205         | V        |
| 6      | 6.565           | 34.07                | Pk   | 35.7           | -26.2                 | 43.57                      | -                  | -           | -                   | -              | 0-360          | 200         | V        |
| 4      | 10.36           | 29.58                | Pk   | 37.6           | -21                   | 46.18                      | -                  | -           | -                   | -              | 0-360          | 100         | H        |

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

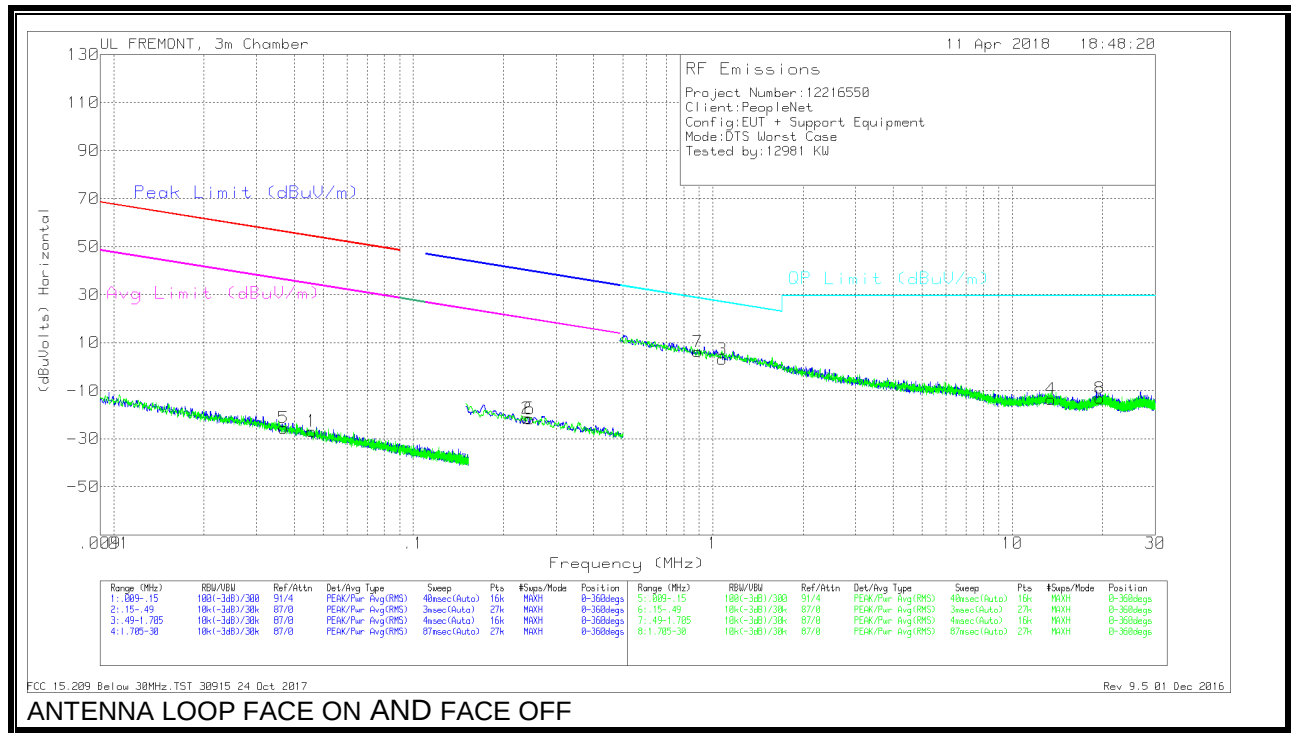
Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### 9.3. WORST-CASE BELOW 30MHz

#### SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



#### DATA

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | Loop Antenna (dB/m) | Cbl (dB) | Dist Corr 300m | Corrected Reading (dBuVolts) | Peak Limit (dBuV/m) | Margin (dB) | Avg Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) |
|--------|-----------------|----------------------|-----|---------------------|----------|----------------|------------------------------|---------------------|-------------|--------------------|-------------|----------------|
| 5      | .03686          | 38.03                | Pk  | 15.1                | 1.4      | -80            | -25.47                       | 56.25               | -81.72      | 36.25              | -61.72      | 0-360          |
| 1      | .04585          | 37.24                | Pk  | 14.5                | 1.4      | -80            | -26.86                       | 54.36               | -81.22      | 34.36              | -61.22      | 0-360          |
| 2      | .2394           | 43.13                | Pk  | 13.9                | 1.5      | -80            | -21.47                       | 40.03               | -61.5       | 20.03              | -41.5       | 0-360          |
| 6      | .24524          | 42.96                | Pk  | 13.9                | 1.5      | -80            | -21.64                       | 39.82               | -61.46      | 19.82              | -41.46      | 0-360          |

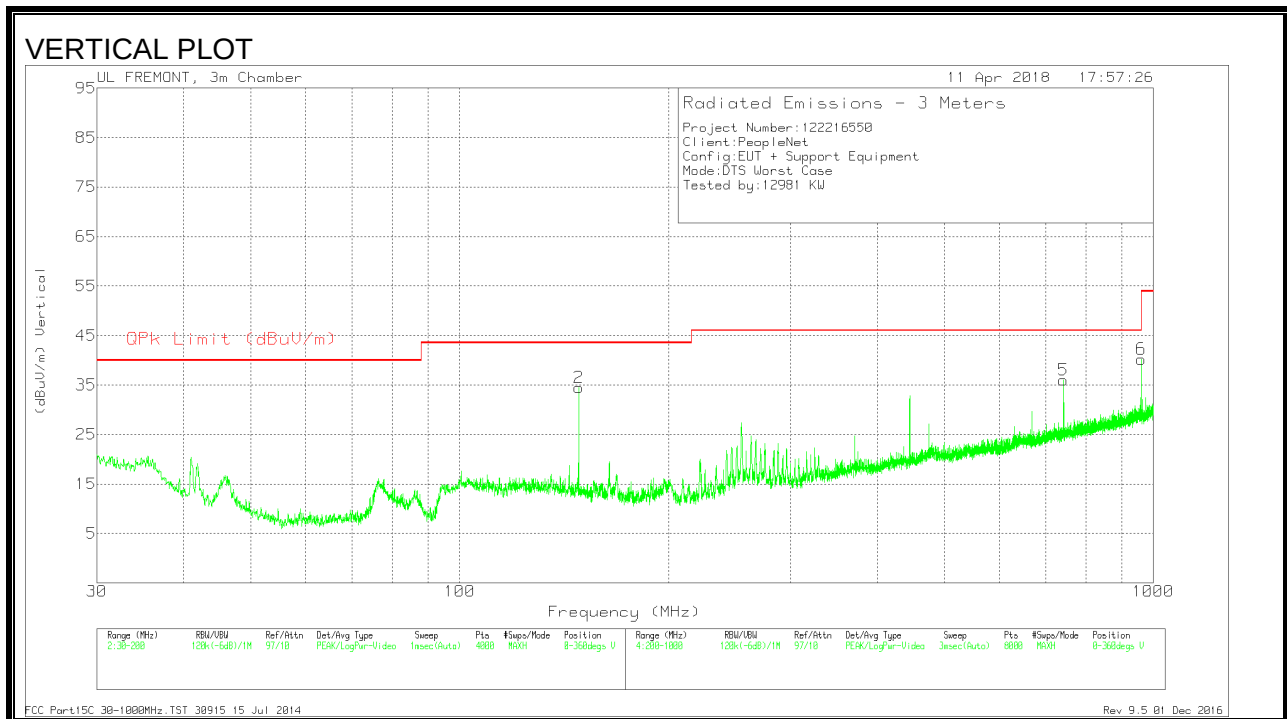
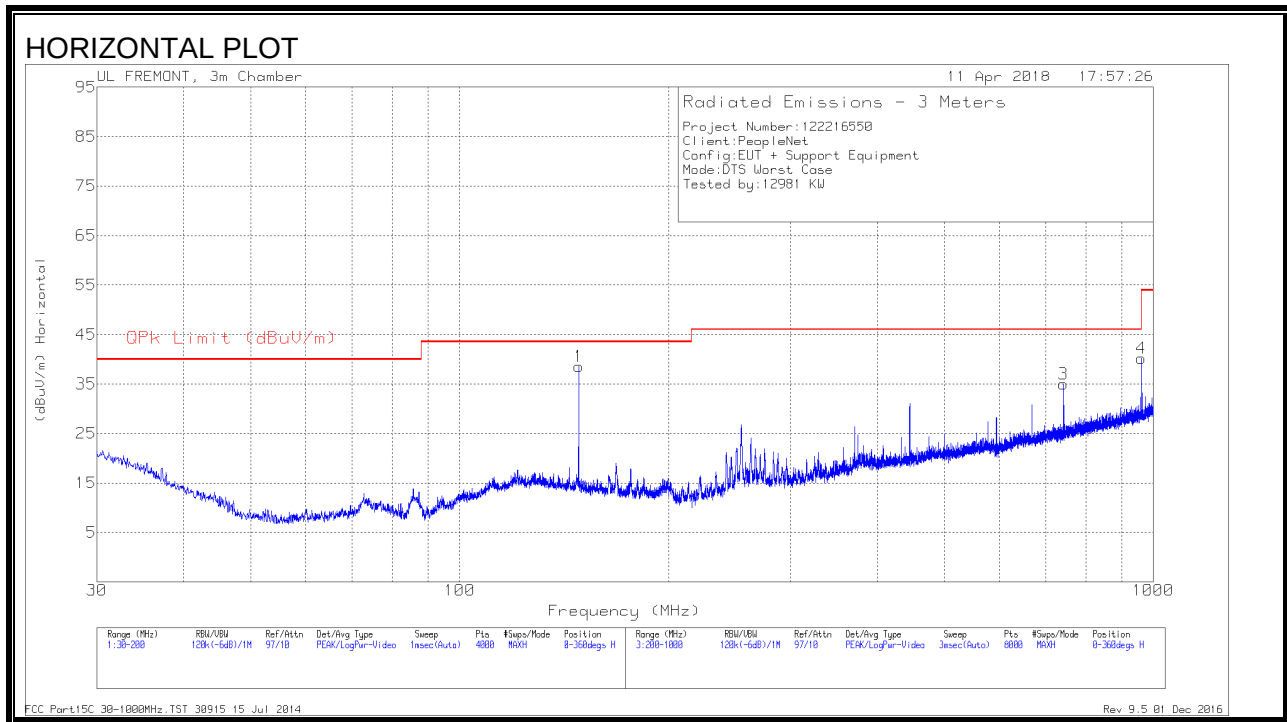
  

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | Loop Antenna (dB/m) | Cbl (dB) | Dist Corr 30m | Corrected Reading (dBuVolts) | QP Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) |
|--------|-----------------|----------------------|-----|---------------------|----------|---------------|------------------------------|-------------------|-------------|----------------|
| 7      | .89006          | 30.66                | Pk  | 14.1                | 1.5      | -40           | 6.26                         | 28.63             | -22.37      | 0-360          |
| 3      | 1.07467         | 27.31                | Pk  | 14.3                | 1.5      | -40           | 3.11                         | 27                | -23.89      | 0-360          |
| 4      | 13.44365        | 10.24                | Pk  | 14.6                | 1.6      | -40           | -13.56                       | 29.5              | -43.06      | 0-360          |
| 8      | 19.59331        | 10.51                | Pk  | 14.8                | 1.6      | -40           | -13.09                       | 29.5              | -42.59      | 0-360          |

Pk - Peak detector

## 9.4. WORST-CASE 30MHz TO 1GHz

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



**DATA**

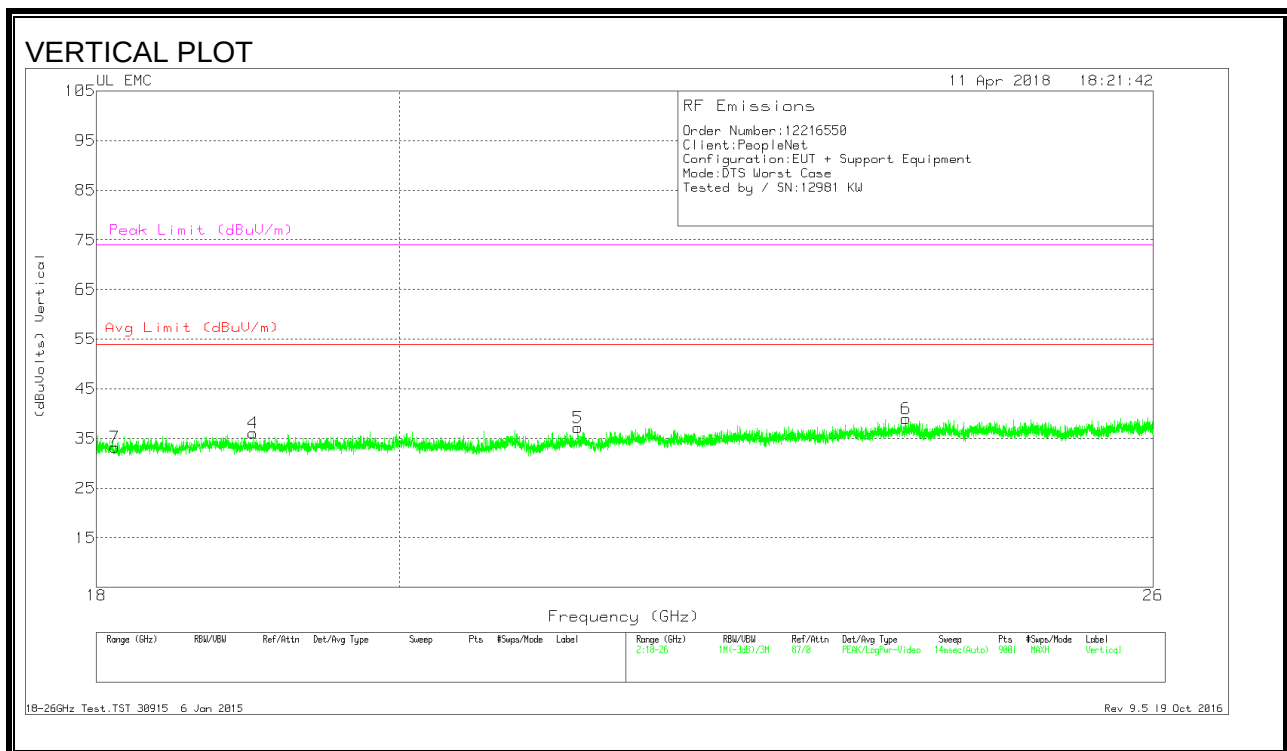
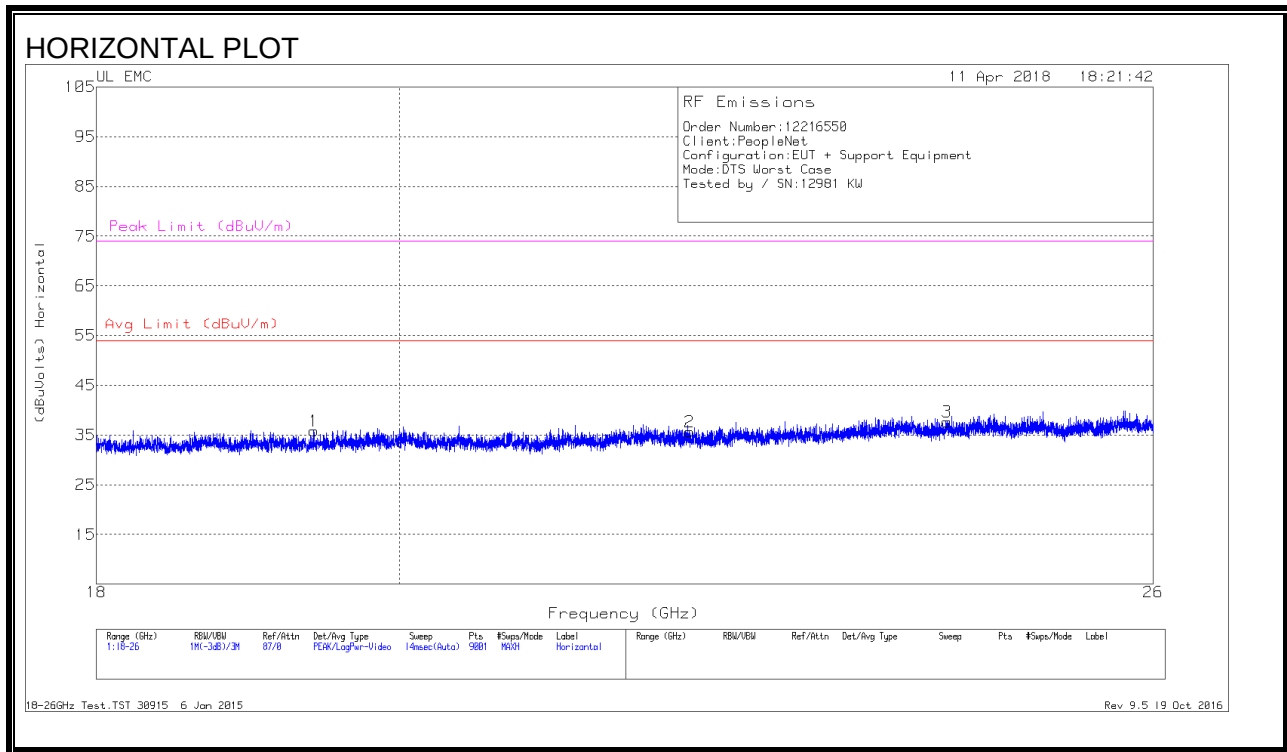
| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF T243 (dB/m) | Amp/Cbl (dB/m) | Corrected Reading (dBuV/m) | QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|----------------|----------------------------|--------------------|-------------|----------------|-------------|----------|
| 1      | 148.5207        | 51.72                | Pk  | 16.6           | -29.8          | 38.52                      | 43.52              | -5          | 0-360          | 300         | H        |
|        |                 | 51.76                | Qp  | 16.6           | -29.8          | 38.56                      | 43.52              | -4.96       | 15             | 269         | H        |
| 2      | 148.5207        | 47.73                | Pk  | 16.6           | -29.8          | 34.53                      | 43.52              | -8.99       | 0-360          | 100         | V        |
| 3      | 742.5705        | 37.33                | Pk  | 24.6           | -26.9          | 35.03                      | 46.02              | -10.99      | 0-360          | 100         | H        |
| 5      | 742.5705        | 38.28                | Pk  | 24.6           | -26.9          | 35.98                      | 46.02              | -10.04      | 0-360          | 100         | V        |
| 4      | 959.9988        | 38.45                | Pk  | 26.9           | -25.2          | 40.15                      | 46.02              | -5.87       | 0-360          | 100         | H        |
|        |                 | 38.86                | Qp  | 26.9           | -25.2          | 40.56                      | 53.97              | -13.41      | 310            | 171         | H        |
| 6      | 959.9988        | 38.56                | Pk  | 26.9           | -25.2          | 40.26                      | 46.02              | -5.76       | 0-360          | 100         | V        |
|        |                 | 41.72                | Qp  | 26.9           | -25.2          | 43.42                      | 53.97              | -10.55      | 43             | 101         | V        |

Pk - Peak detector

Qp - Quasi-Peak detector

## 9.5. WORST-CASE ABOVE 18GHz

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



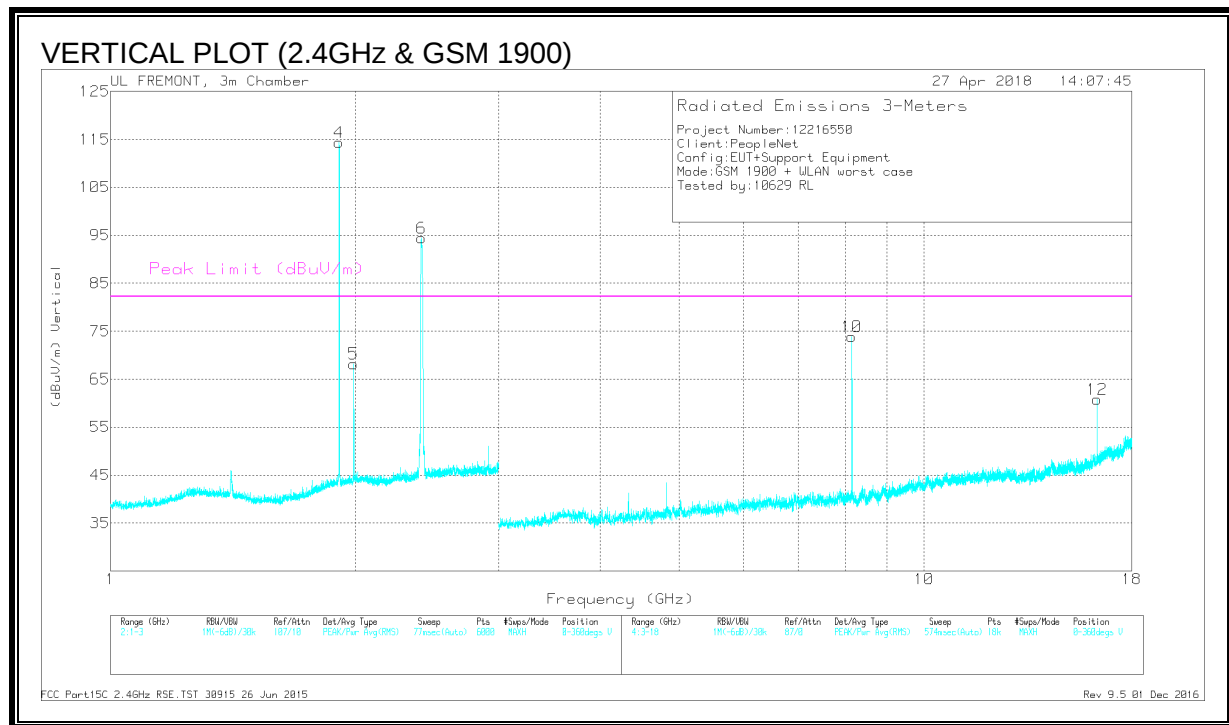
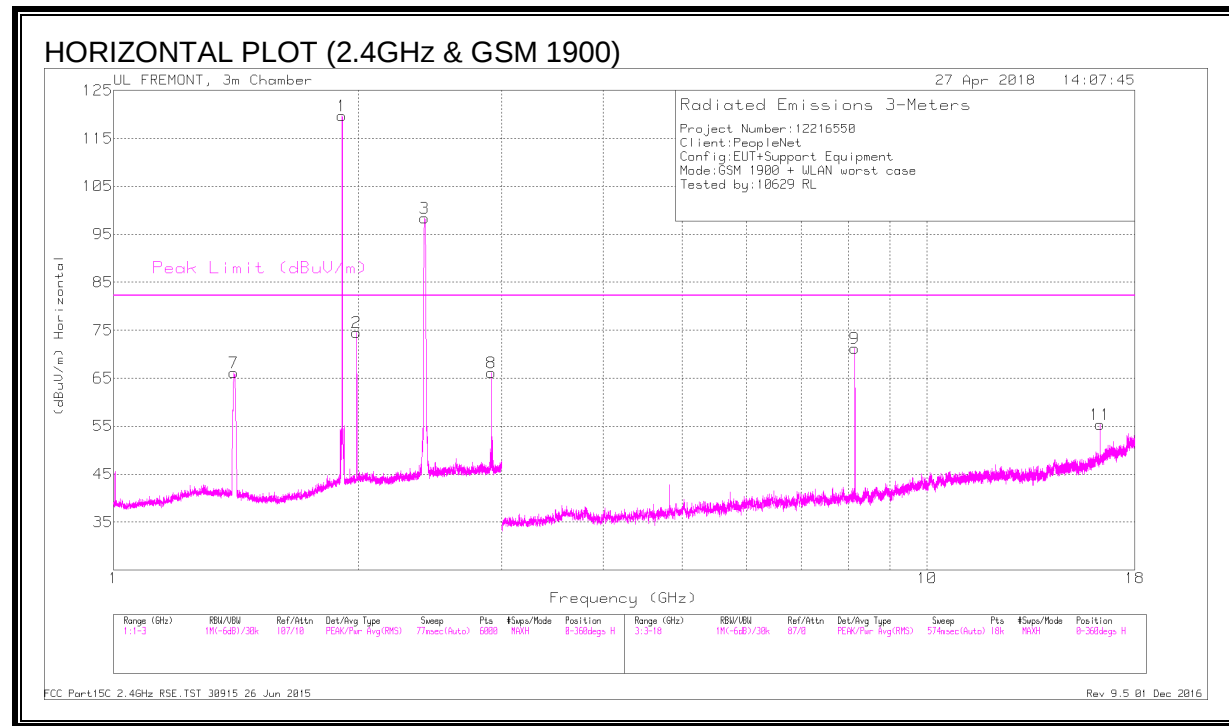
**DATA**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | T89 AF (dB/m) | Ampl/Cbl (dB) | Dist Corr (dB) | Corrected Reading (dBuVolts) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) |
|--------|-----------------|----------------------|-----|---------------|---------------|----------------|------------------------------|--------------------|-------------|---------------------|----------------|
| 1      | 19.414          | 37.81                | Pk  | 32.5          | -25           | -9.5           | 35.81                        | 54                 | -18.19      | 74                  | -38.19         |
| 2      | 22.124          | 37.05                | Pk  | 33            | -24.9         | -9.5           | 35.65                        | 54                 | -18.35      | 74                  | -38.35         |
| 3      | 24.197          | 37.77                | Pk  | 33.5          | -24.1         | -9.5           | 37.67                        | 54                 | -16.33      | 74                  | -36.33         |
| 4      | 19.008          | 38.18                | Pk  | 32.1          | -24.7         | -9.5           | 36.08                        | 54                 | -17.92      | 74                  | -37.92         |
| 5      | 21.282          | 38.79                | Pk  | 33.2          | -25.3         | -9.5           | 37.19                        | 54                 | -16.81      | 74                  | -36.81         |
| 6      | 23.855          | 39.01                | Pk  | 33.6          | -24.1         | -9.5           | 39.01                        | 54                 | -14.99      | 74                  | -34.99         |
| 7      | 18.115          | 35.72                | Pk  | 32.5          | -25.5         | -9.5           | 33.22                        | 54                 | -20.78      | 74                  | -40.78         |

Pk - Peak detector

## 9.6. WORST-CASE CO-LOCATION

### SPURIOUS EMISSIONS 1 TO 18 GHz



## DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T120 (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      | 1.408           | 66.08                | PK2  | 29.2           | -21.8                   | 73.48                      | -                  | -           | 82.2                | -8.72          | 324            | 344         | H        |
|        | 1.41            | 54.37                | MAv1 | 29.2           | -21.8                   | 61.77                      | 82.2               | -20.43      | -                   | -              | 324            | 344         | H        |
| 8      | 2.914           | 56.96                | PK2  | 32.9           | -20                     | 69.86                      | -                  | -           | 82.2                | -12.34         | 296            | 152         | H        |
|        | 2.914           | 46.42                | MAv1 | 32.9           | -20                     | 59.32                      | 82.2               | -22.88      | -                   | -              | 296            | 152         | H        |
| 9      | 8.152           | 58.77                | PK2  | 35.8           | -23.6                   | 70.97                      | -                  | -           | 82.2                | -11.23         | 29             | 106         | H        |
|        | 8.152           | 58.35                | MAv1 | 35.8           | -23.6                   | 70.55                      | 82.2               | -11.65      | -                   | -              | 29             | 106         | H        |
| 10     | 8.152           | 63.07                | PK2  | 35.8           | -23.6                   | 75.27                      | -                  | -           | 82.2                | -6.93          | 181            | 119         | V        |
|        | 8.152           | 62.82                | MAv1 | 35.8           | -23.6                   | 75.02                      | 82.2               | -7.18       | -                   | -              | 181            | 119         | V        |
| 11     | 16.304          | 37.06                | PK2  | 40.8           | -19.7                   | 58.16                      | -                  | -           | 82.2                | -24.04         | 59             | 101         | H        |
|        | 16.304          | 30.92                | MAv1 | 40.8           | -19.7                   | 52.02                      | 82.2               | -30.18      | -                   | -              | 59             | 101         | H        |
| 12     | 16.304          | 40.16                | MAv1 | 40.8           | -19.7                   | 61.26                      | -                  | -           | 82.2                | -20.94         | 337            | 220         | V        |
|        | 16.305          | 42.93                | PK2  | 40.8           | -19.7                   | 64.03                      | 82.2               | -18.17      | -                   | -              | 337            | 220         | V        |

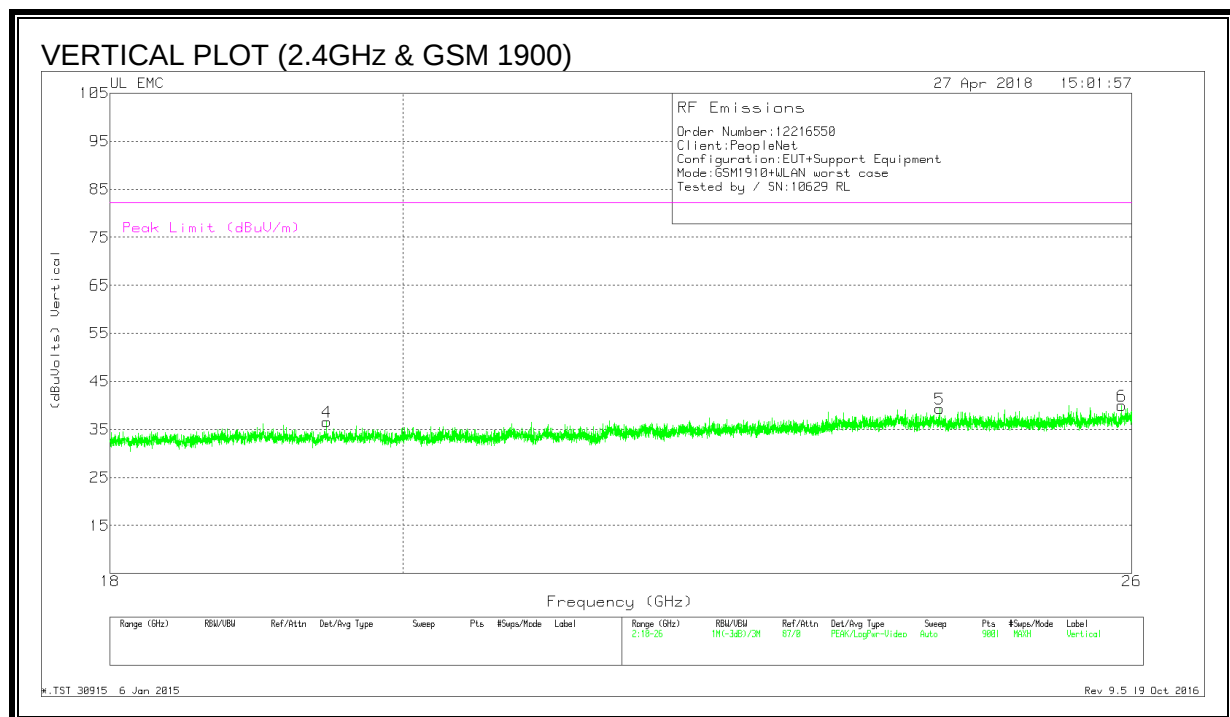
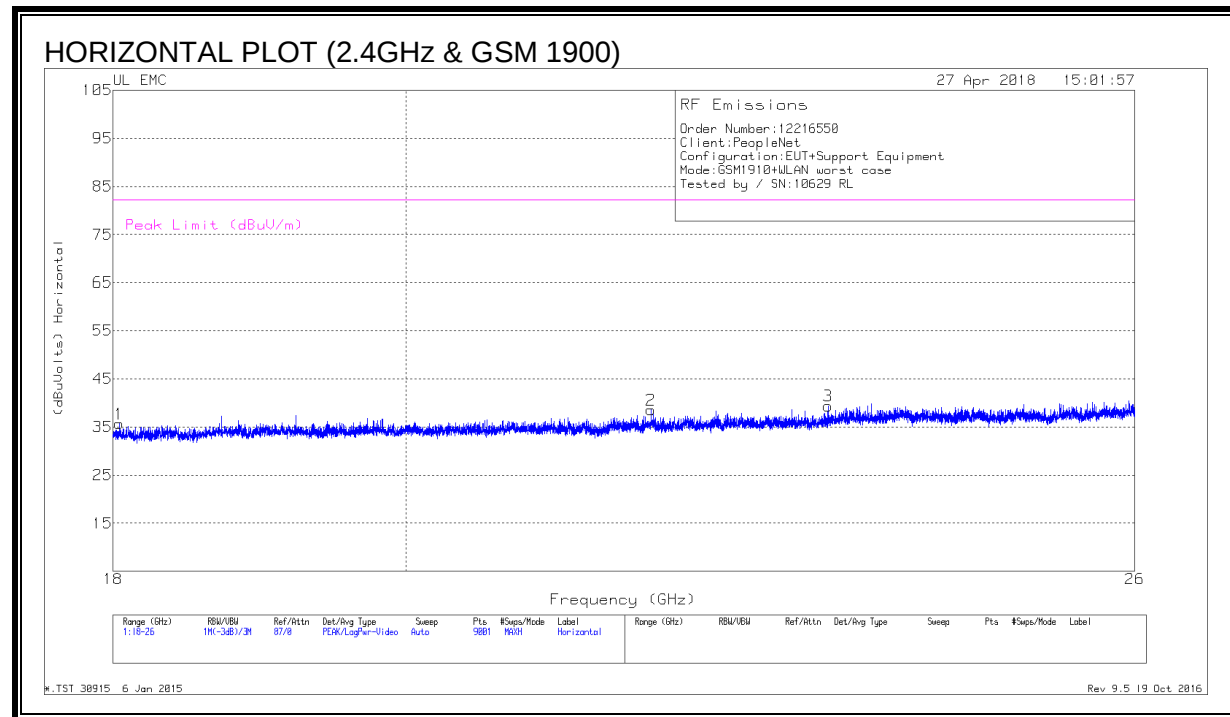
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

Note: Markers 1, 2, 4 & 5 are the GSM1900 fundamental uplink and downlink signals.

Markers 3 & 6 are the 2.4G fundamental signals.

**SPURIOUS EMISSIONS 18 TO 26 GHz**



**DATA**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | T449 AF (dB/m) | Amp/Cbl (dB) | Dist Corr (dB) | Corrected Reading (dBuVolts) | Peak Limit (dBuV/m) | PK Margin (dB) |
|--------|-----------------|----------------------|-----|----------------|--------------|----------------|------------------------------|---------------------|----------------|
| 1      | 18.04           | 37.98                | Pk  | 32.4           | -25.2        | -9.5           | 35.68                        | 82.2                | -46.52         |
| 2      | 21.845          | 39.45                | Pk  | 33.3           | -24.7        | -9.5           | 38.55                        | 82.2                | -43.65         |
| 3      | 23.282          | 39.88                | Pk  | 33.7           | -24.7        | -9.5           | 39.38                        | 82.2                | -42.82         |
| 4      | 19.459          | 37.96                | Pk  | 32.7           | -24.6        | -9.5           | 36.56                        | 82.2                | -45.64         |
| 5      | 24.264          | 39.19                | Pk  | 33.8           | -24.2        | -9.5           | 39.29                        | 82.2                | -42.91         |
| 6      | 25.904          | 40.25                | Pk  | 34.4           | -25.2        | -9.5           | 39.95                        | 82.2                | -42.25         |

Pk - Peak detector