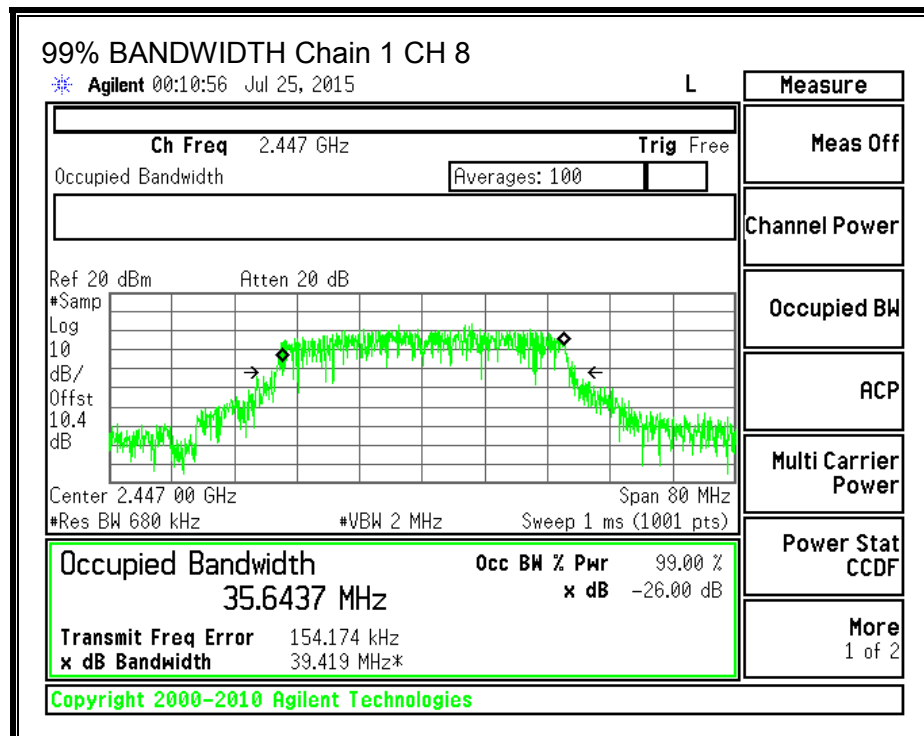
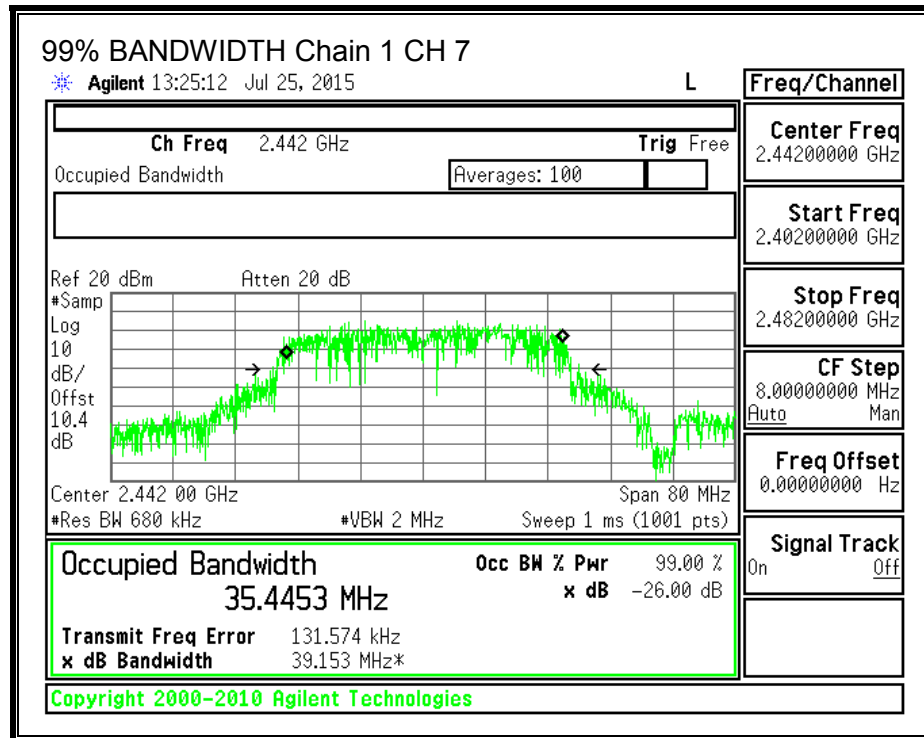
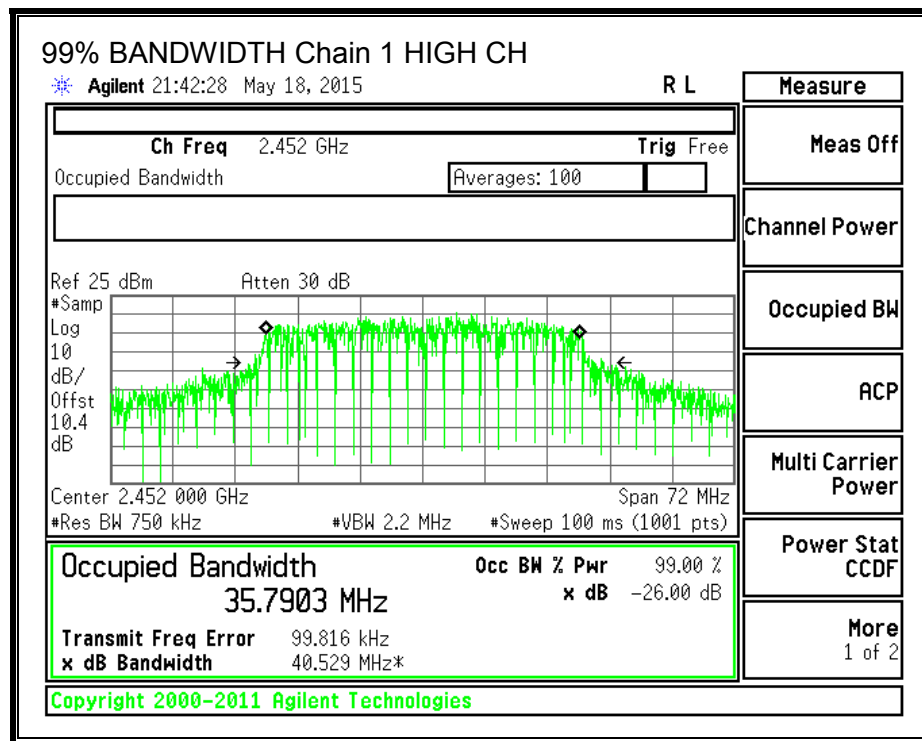






### 8.5.3. OUTPUT POWER

#### LIMITS

FCC §15.247

For systems using digital modulation in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands: 1 Watt, based on the use of antennas with directional gains that do not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### DIRECTIONAL ANTENNA GAIN

The TX chains are uncorrelated and the antenna gain is unequal among the chains. The directional gain is:

| Chain 0<br>Antenna<br>Gain<br>(dBi) | Chain 1<br>Antenna<br>Gain<br>(dBi) | Uncorrelated Chains<br>Directional<br>Gain<br>(dBi) |
|-------------------------------------|-------------------------------------|-----------------------------------------------------|
| 3.70                                | 2.50                                | 3.14                                                |

## RESULTS

### Limits

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>(dBi) | FCC<br>Power<br>Limit<br>(dBm) | IC<br>Power<br>Limit<br>(dBm) | IC<br>EIRP<br>Limit<br>(dBm) | Max<br>Power<br>(dBm) |
|---------|--------------------|------------------------------|--------------------------------|-------------------------------|------------------------------|-----------------------|
| Low     | 2422               | 3.14                         | 30.00                          | 30                            | 36                           | 30.00                 |
| 4       | 2427               | 3.14                         | 30.00                          | 30                            | 36                           | 30.00                 |
| 5       | 2432               | 3.14                         | 30.00                          | 30                            | 36                           | 30.00                 |
| Mid     | 2437               | 3.14                         | 30.00                          | 30                            | 36                           | 30.00                 |
| 8       | 2442               | 3.14                         | 30.00                          | 30                            | 36                           | 30.00                 |
| 8       | 2447               | 3.14                         | 30.00                          | 30                            | 36                           | 30.00                 |
| High    | 2452               | 3.14                         | 30.00                          | 30                            | 36                           | 30.00                 |

|                    |      |                                          |
|--------------------|------|------------------------------------------|
| Duty Cycle CF (dB) | 0.35 | Included in Calculations of Corr'd Power |
|--------------------|------|------------------------------------------|

### Results

| Channel | Frequency<br>(MHz) | Chain 0<br>Meas<br>Power<br>(dBm) | Chain 1<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Margin<br>(dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|----------------|
| Low     | 2422               | 13.56                             | 13.35                             | 16.82                             | 30.00                   | -13.18         |
| 4       | 2427               | 14.17                             | 13.51                             | 17.21                             | 30.00                   | -12.79         |
| 5       | 2432               | 14.53                             | 14.28                             | 17.77                             | 30.00                   | -12.23         |
| Mid     | 2437               | 18.05                             | 17.39                             | 21.09                             | 30.00                   | -8.91          |
| 7       | 2442               | 13.62                             | 13.52                             | 16.93                             | 30.00                   | -13.07         |
| 8       | 2447               | 12.58                             | 11.81                             | 15.57                             | 30.00                   | -14.43         |
| High    | 2452               | 12.66                             | 12.38                             | 15.88                             | 30.00                   | -14.12         |

## 8.5.4. POWER SPECTRAL DENSITY

### LIMITS

FCC §15.247

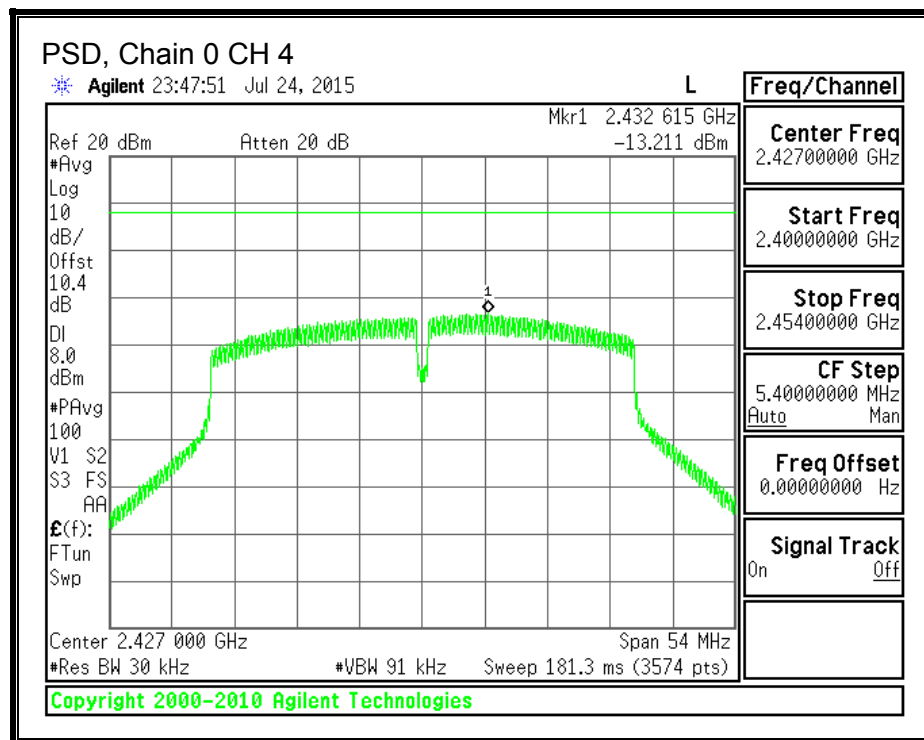
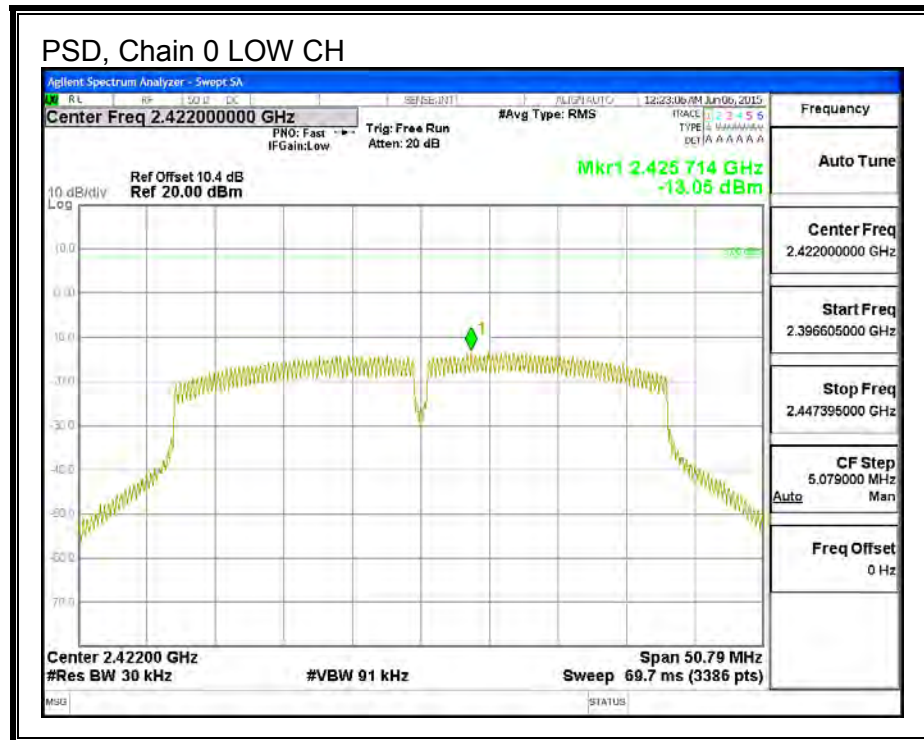
### RESULTS

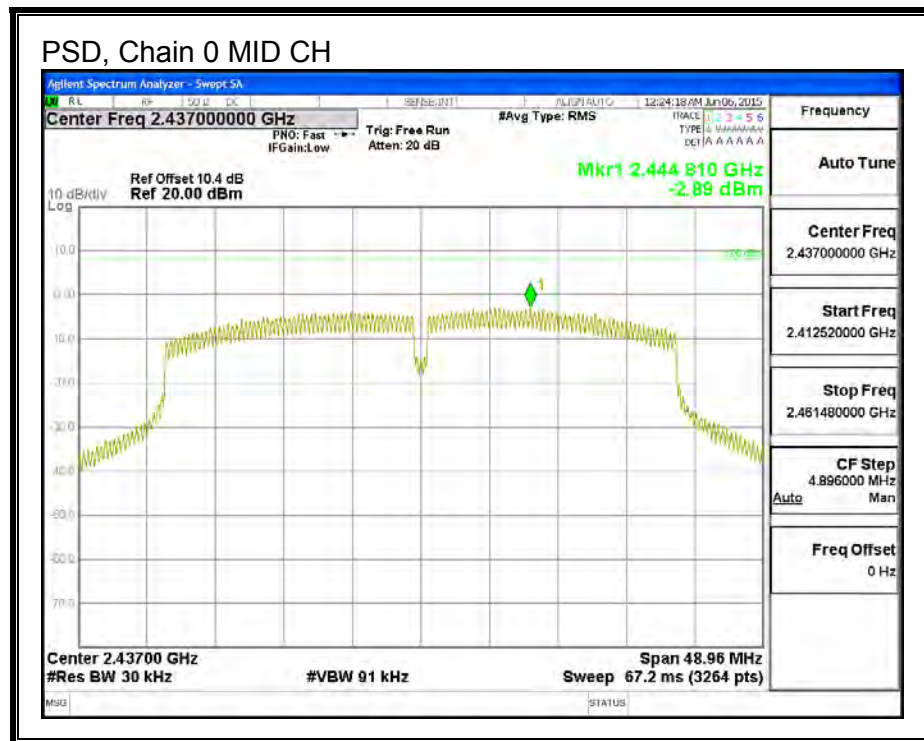
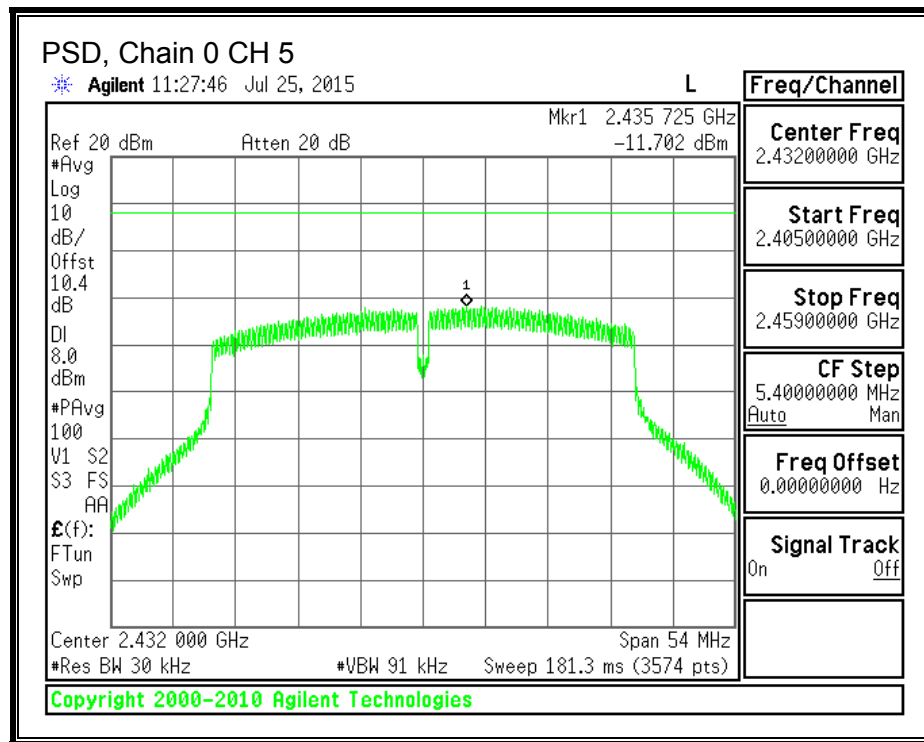
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.35 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

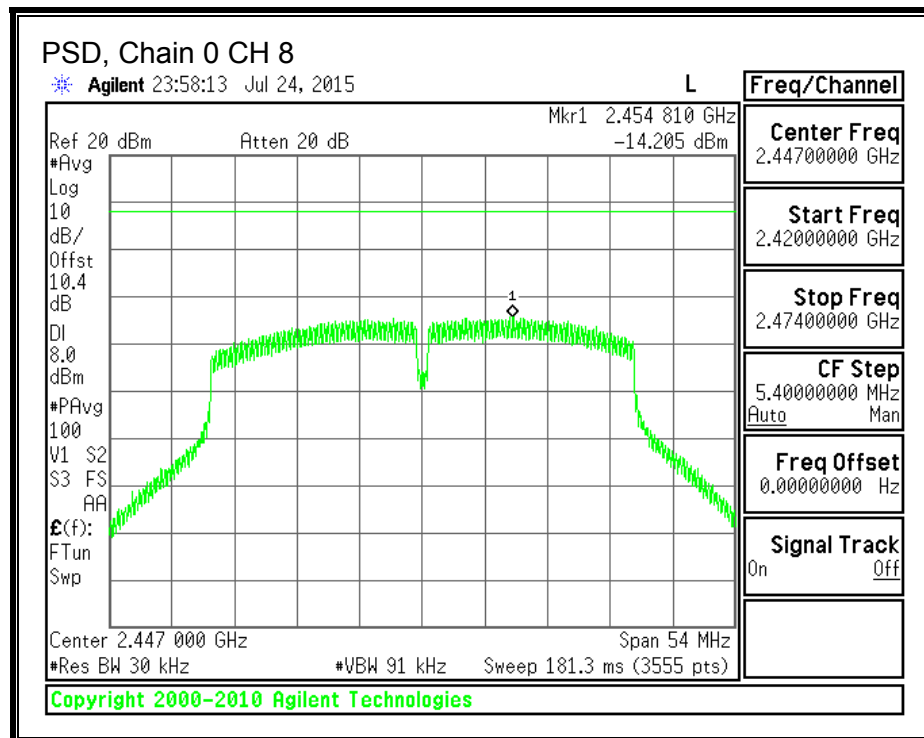
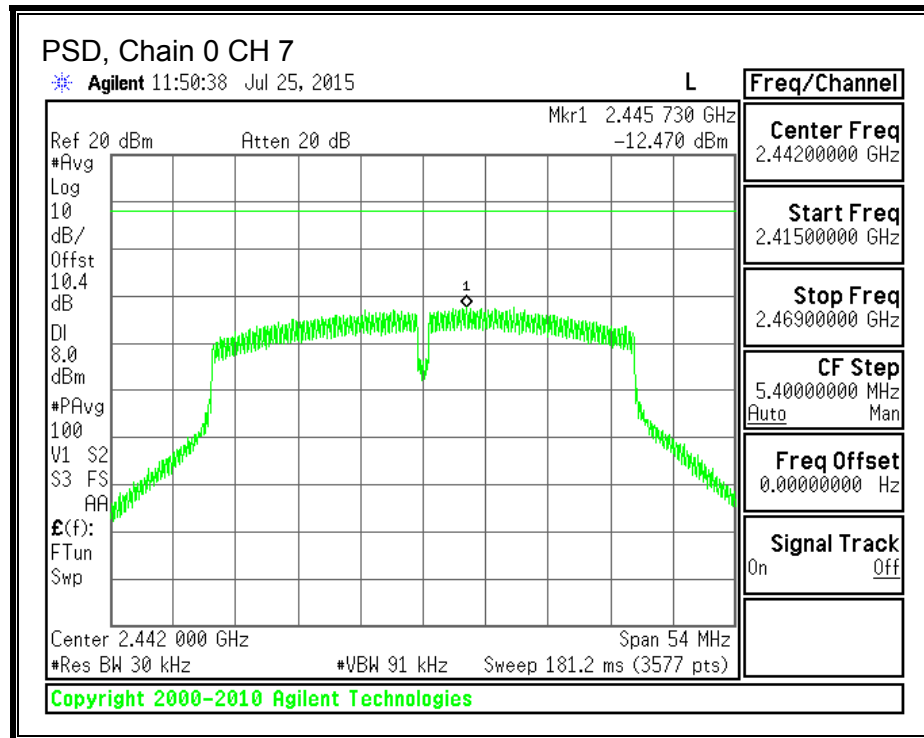
#### PSD Results

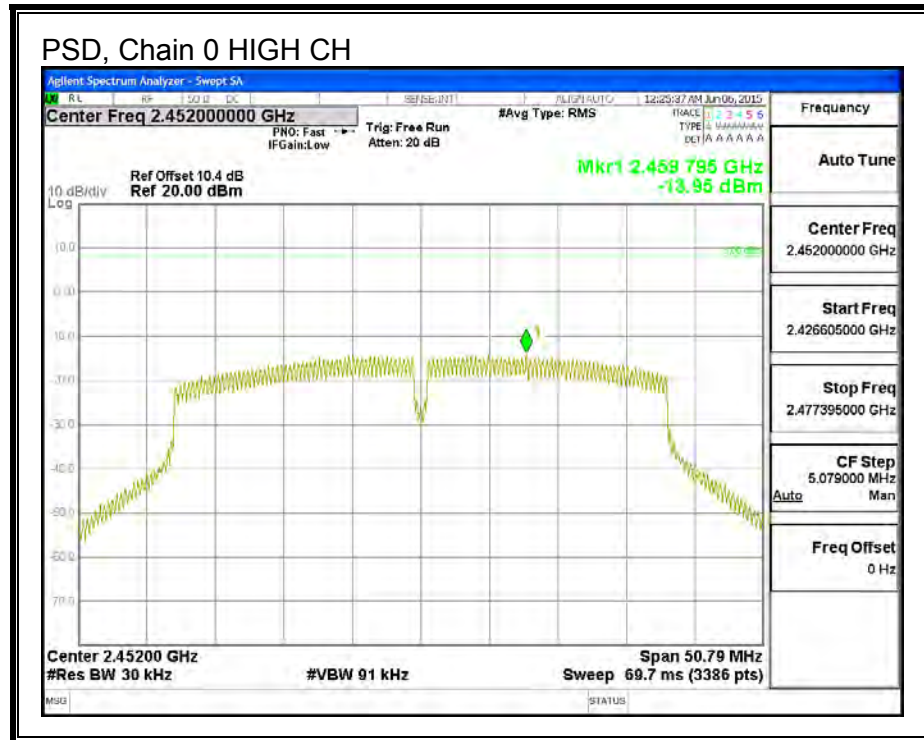
| Channel | Frequency<br>(MHz) | Chain 0<br>Meas<br>(dBm) | Chain 1<br>Meas<br>(dBm) | Total<br>Corr'd<br>PSD<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|---------|--------------------|--------------------------|--------------------------|---------------------------------|----------------|----------------|
| Low     | 2422               | -13.05                   | -13.03                   | -9.68                           | 8.0            | -17.7          |
| 4       | 2427               | -13.21                   | -12.48                   | -9.47                           | 8.0            | -17.5          |
| 5       | 2432               | -11.70                   | -12.17                   | -8.57                           | 8.0            | -16.6          |
| Mid     | 2437               | -2.89                    | -3.38                    | 0.23                            | 8.0            | -7.8           |
| 7       | 2442               | -12.47                   | -12.30                   | -9.02                           | 8.0            | -17.0          |
| 8       | 2447               | -14.21                   | -14.40                   | -10.94                          | 8.0            | -18.9          |
| High    | 2452               | -13.95                   | -13.87                   | -10.55                          | 8.0            | -18.5          |

**PSD, Chain 0**

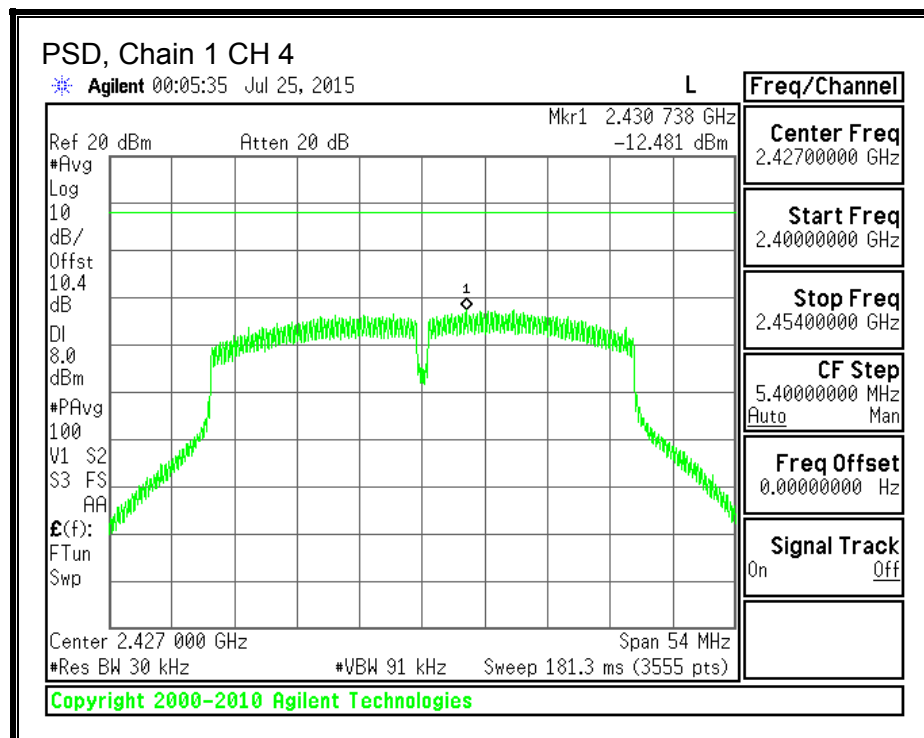
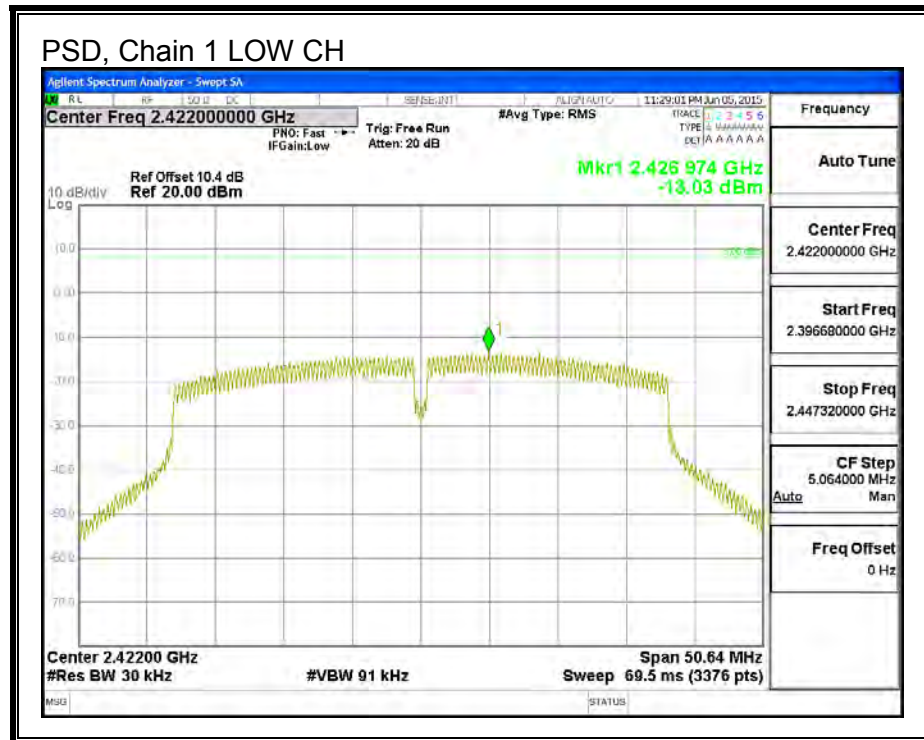


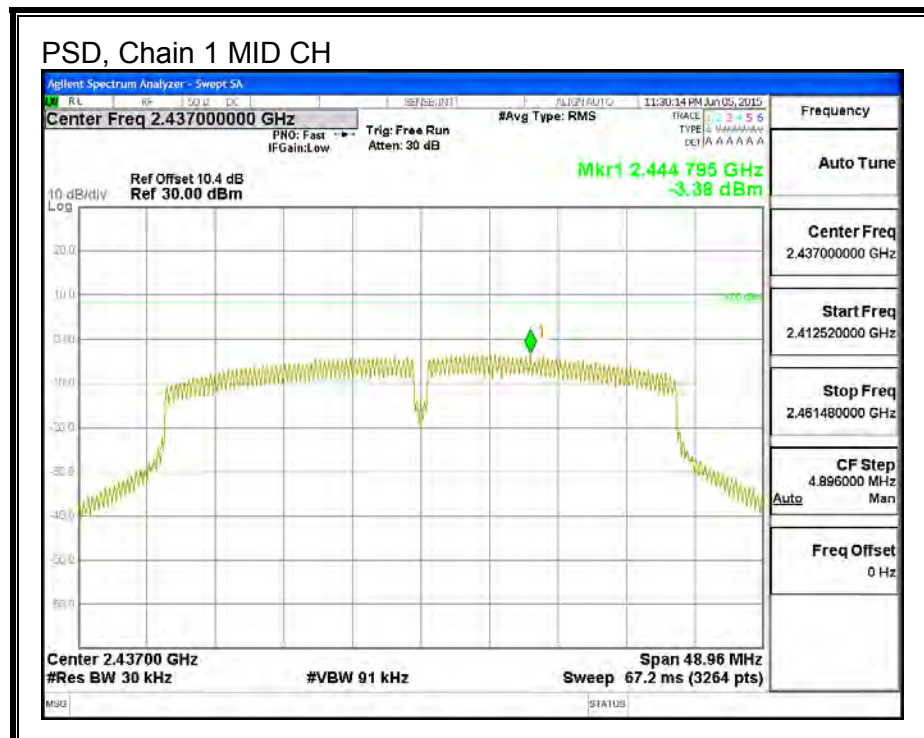
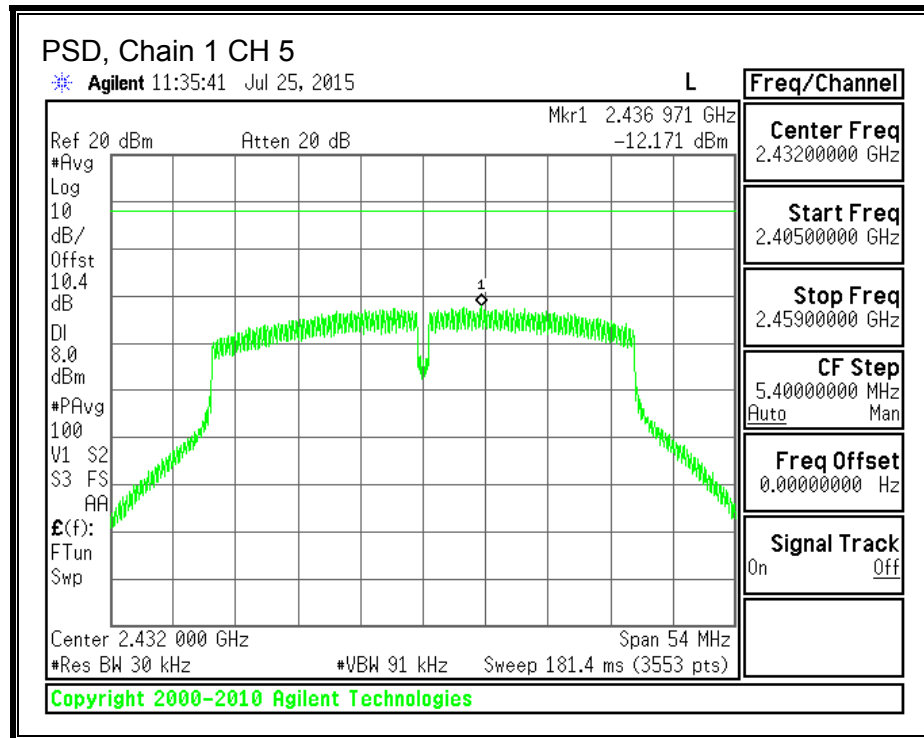


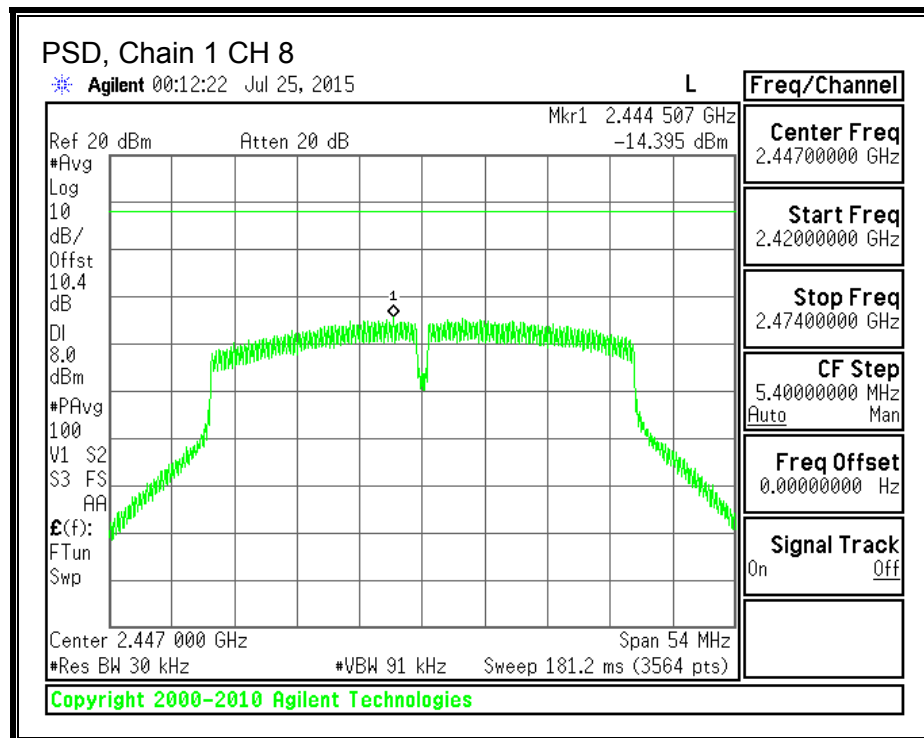
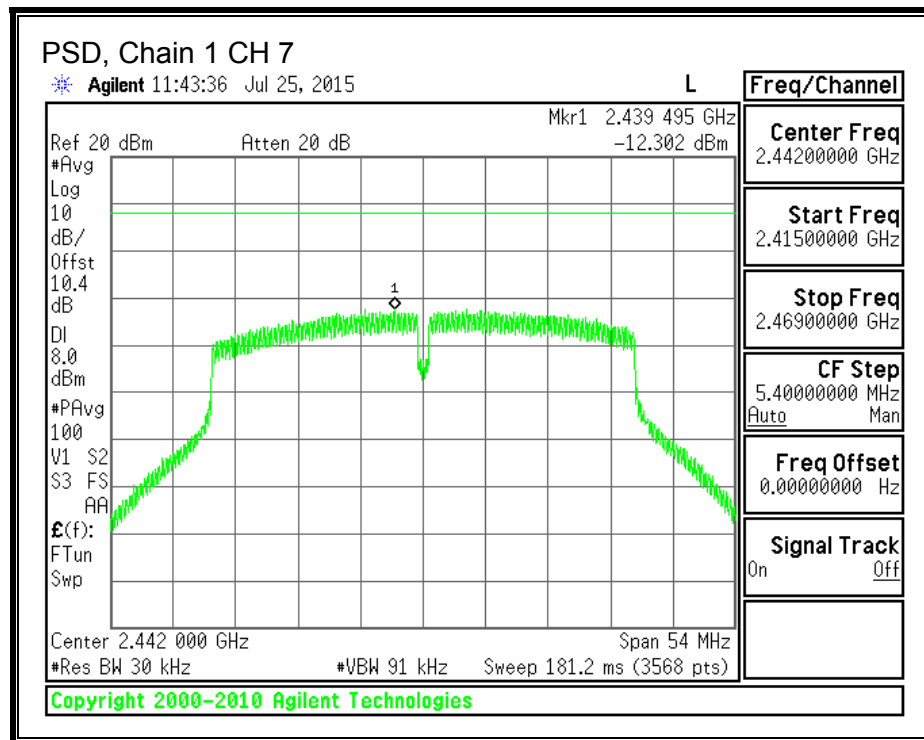


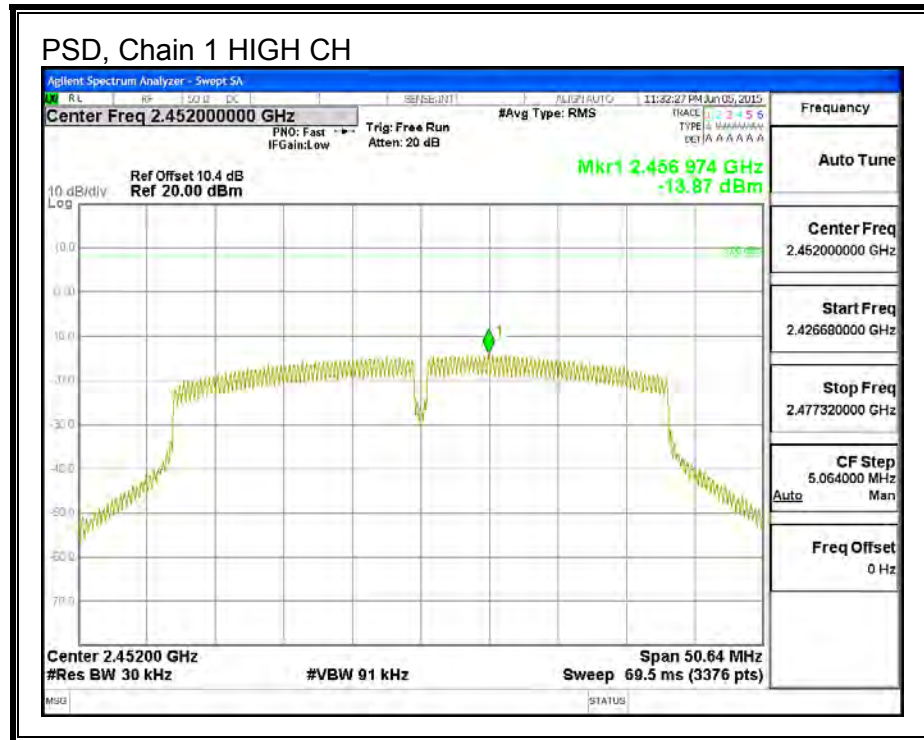


**PSD, Chain 1**









### **8.5.5. OUT-OF-BAND EMISSIONS**

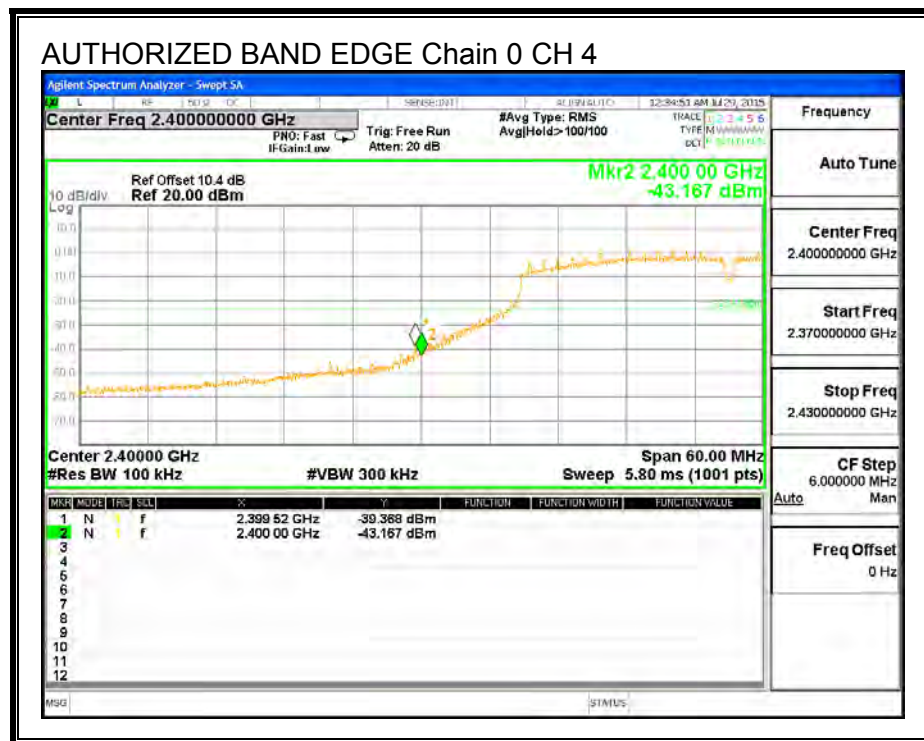
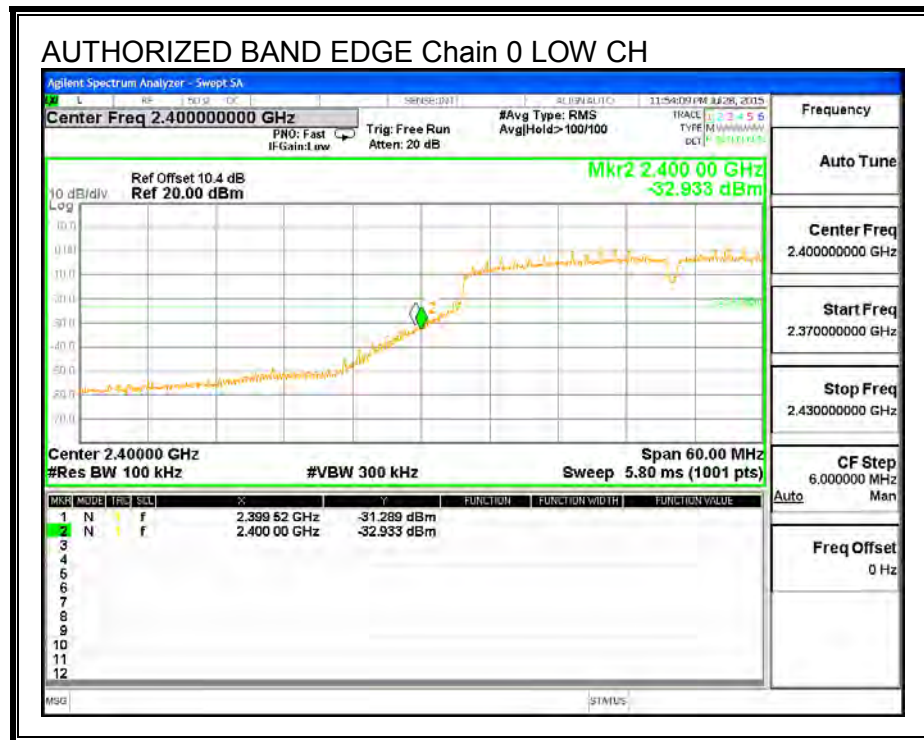
#### **LIMITS**

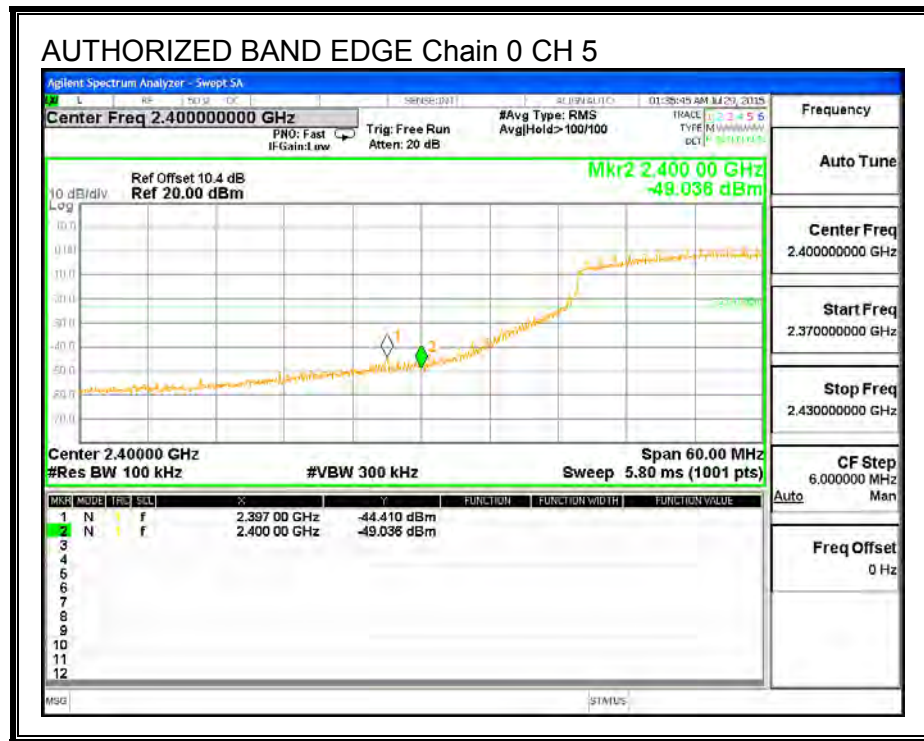
##### **FCC §15.247 (d)**

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required.

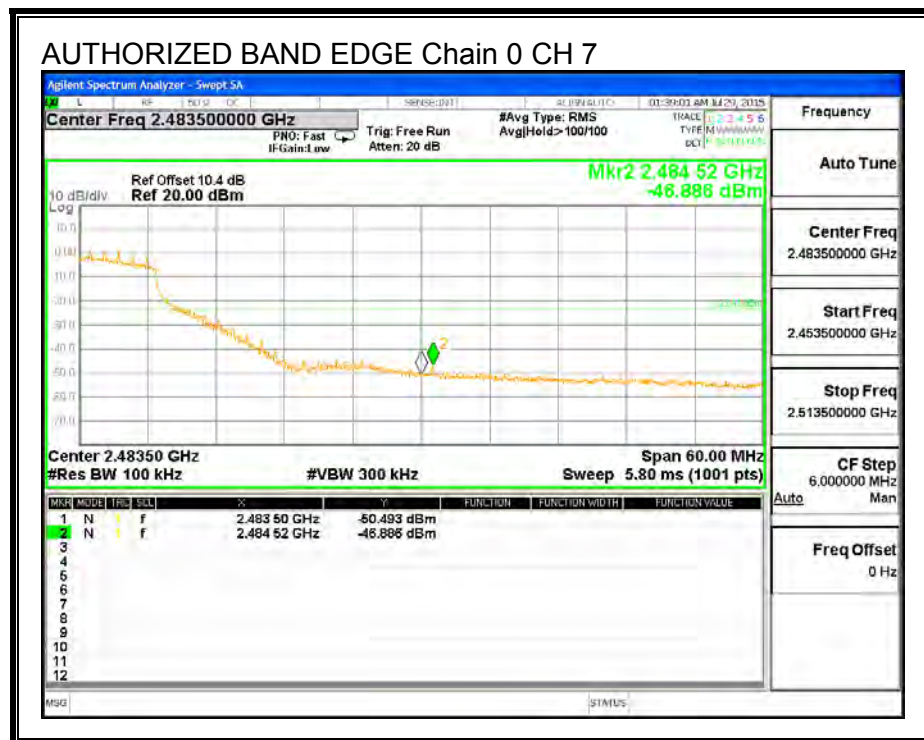


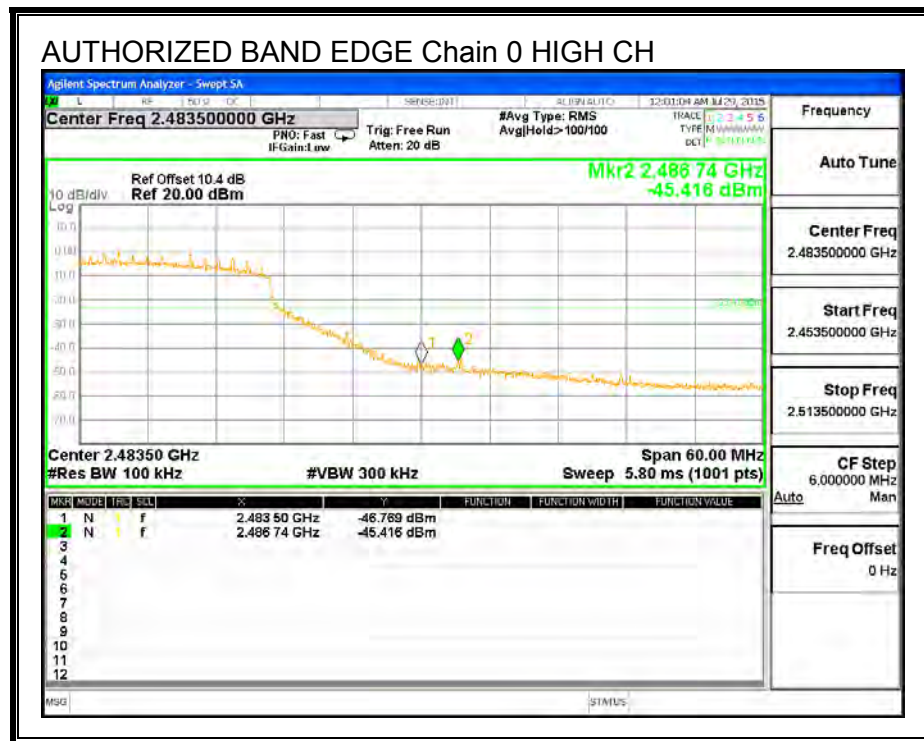
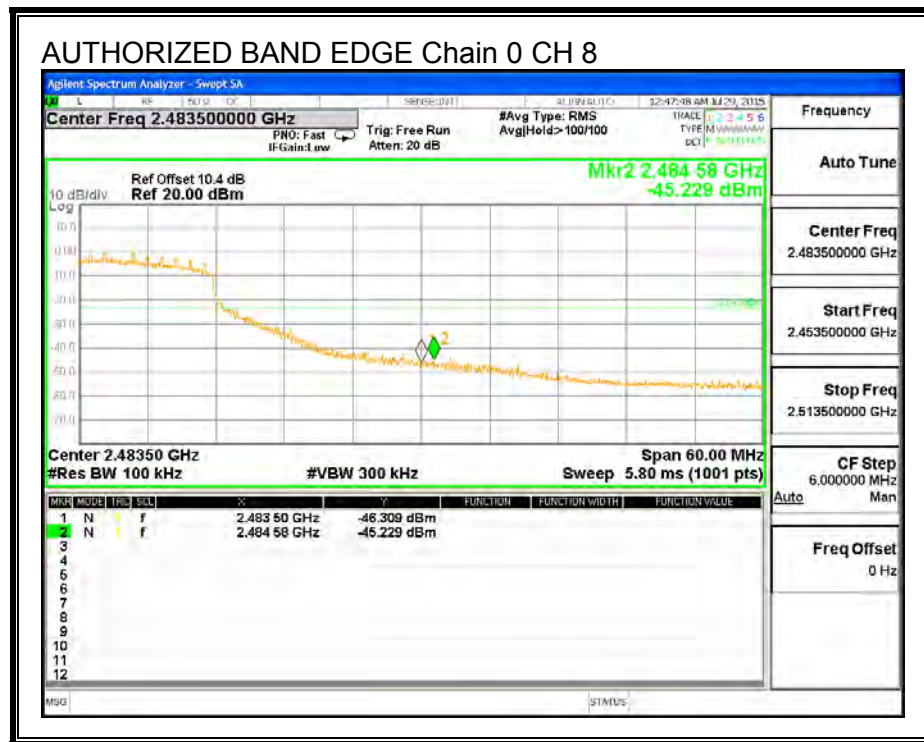
**LOW CHANNEL BANDEDGE, Chain 0**



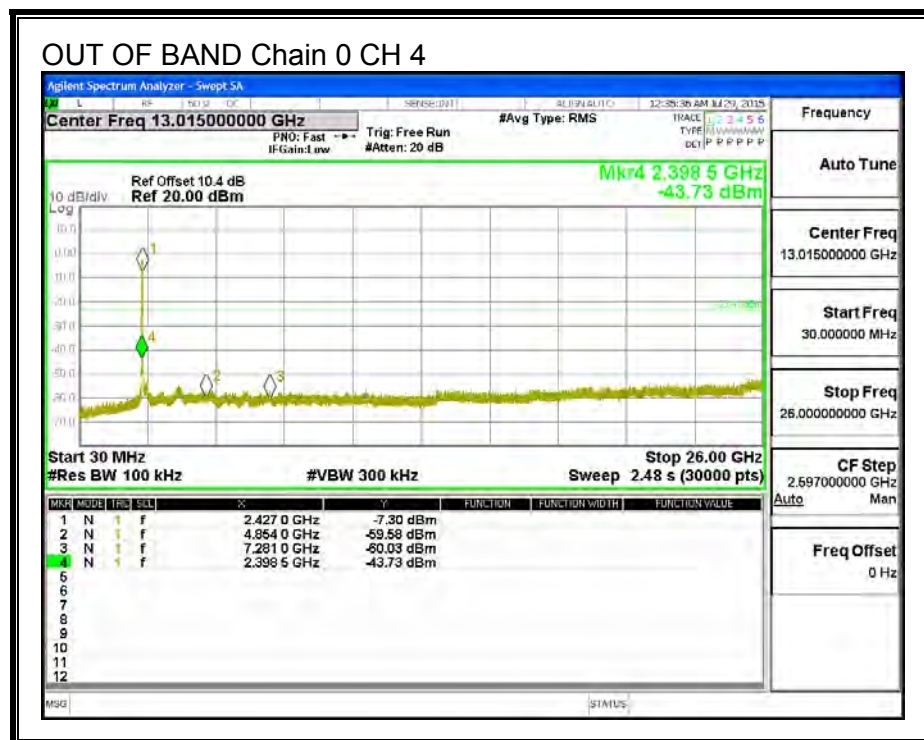
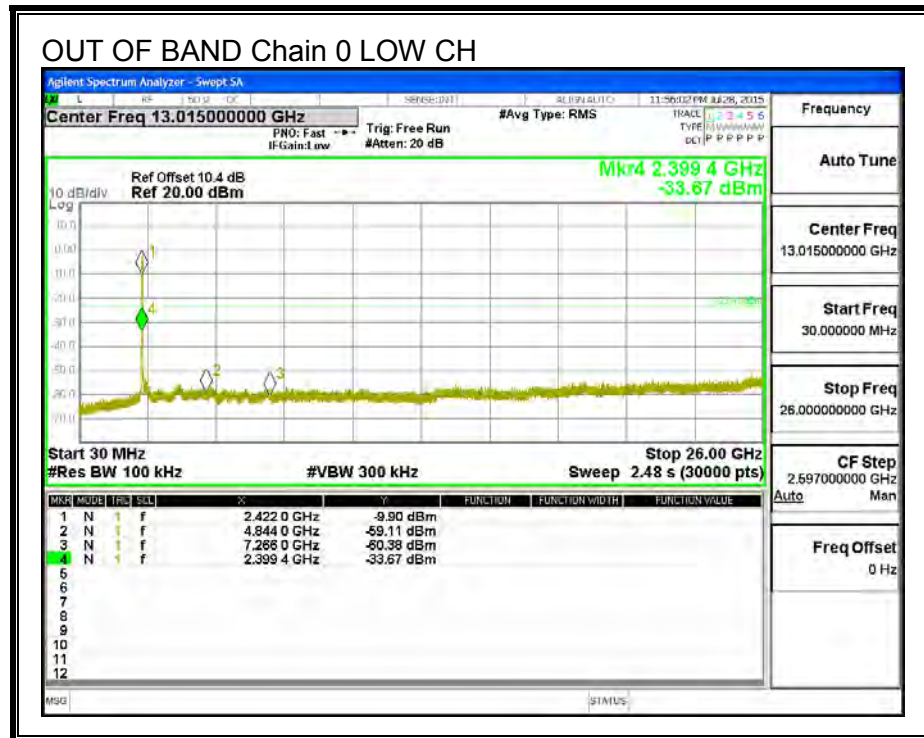


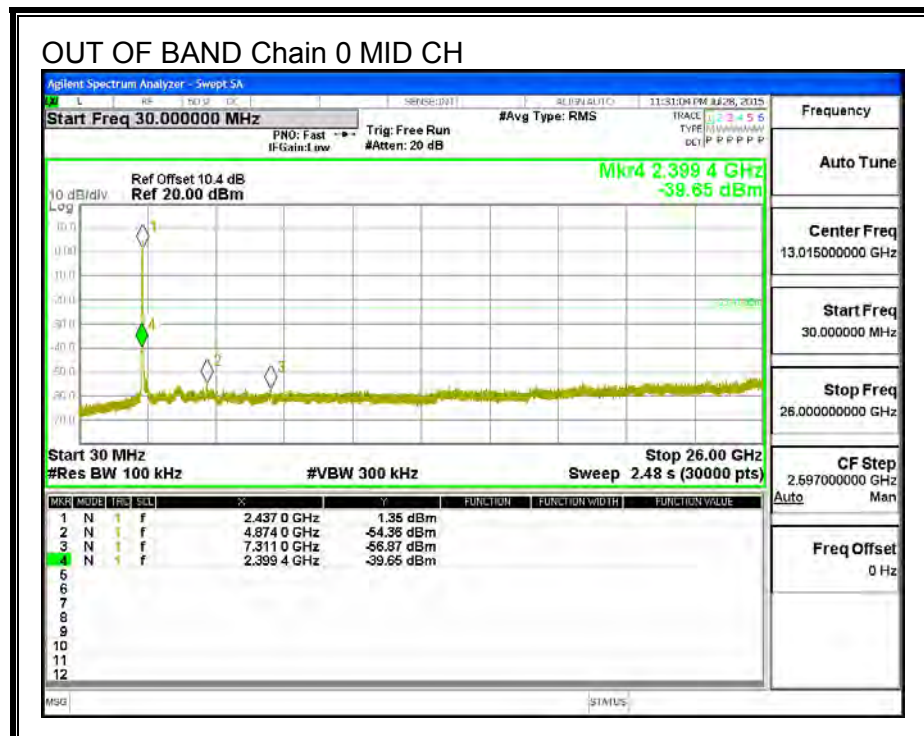
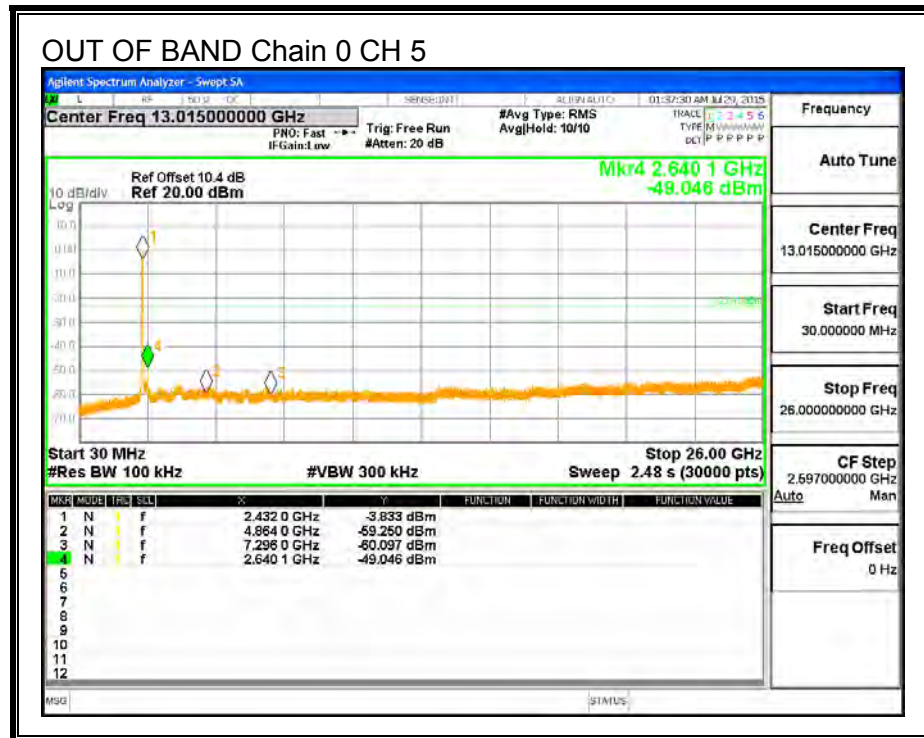
### HIGH CHANNEL BANDEDGE, Chain 0

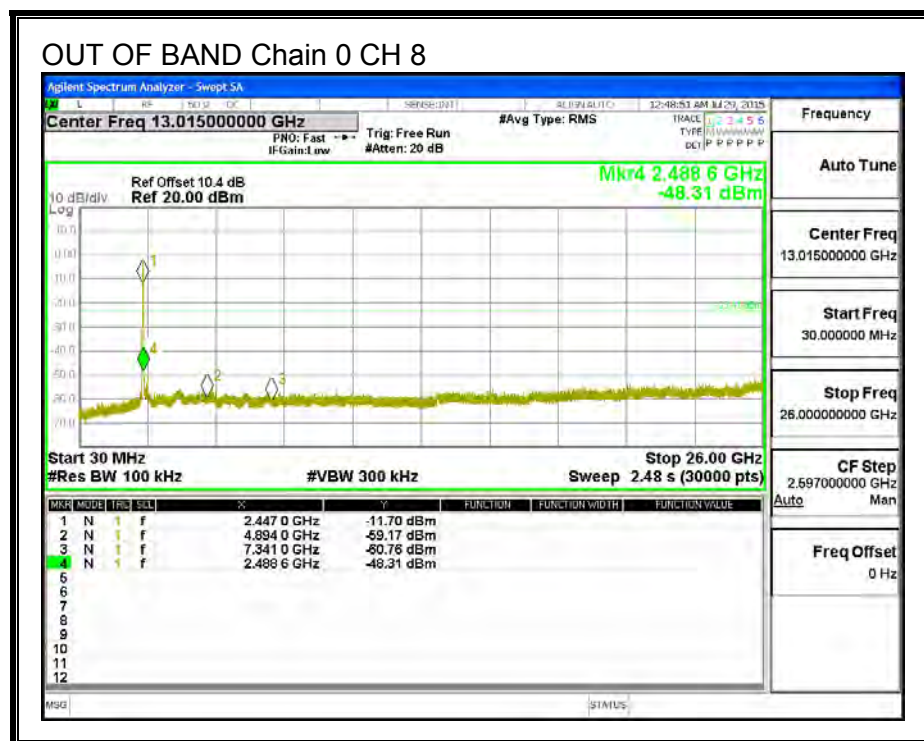
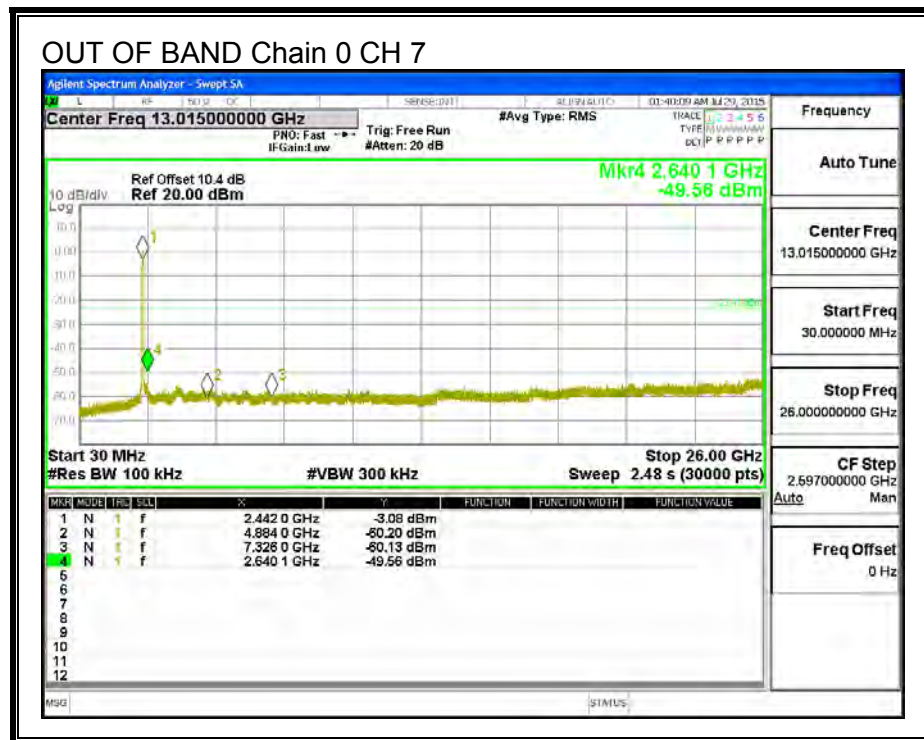


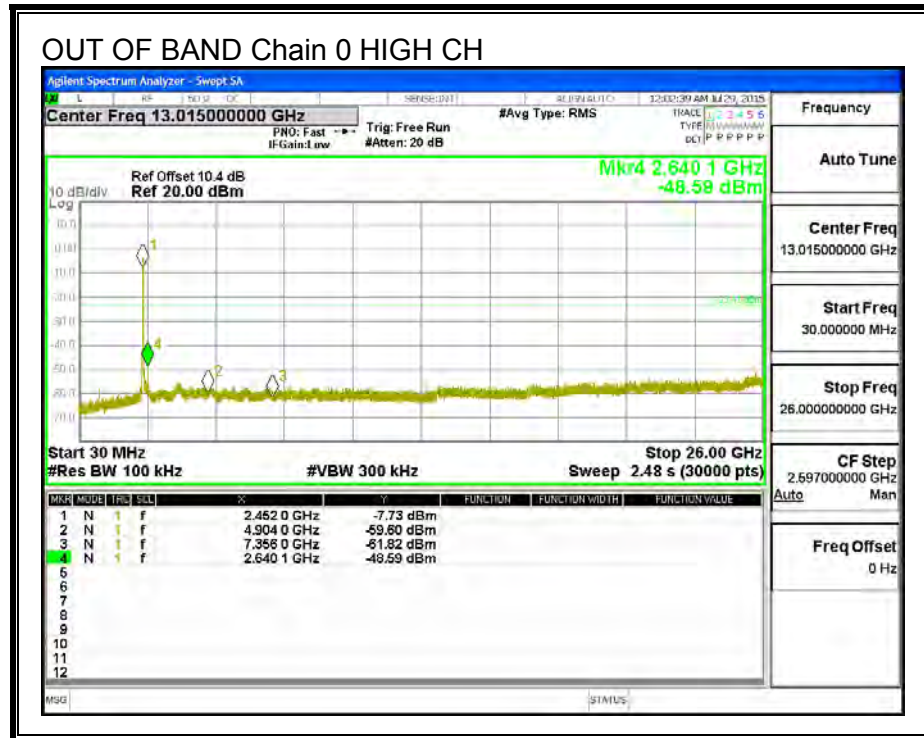


**OUT-OF-BAND EMISSIONS, Chain 0**



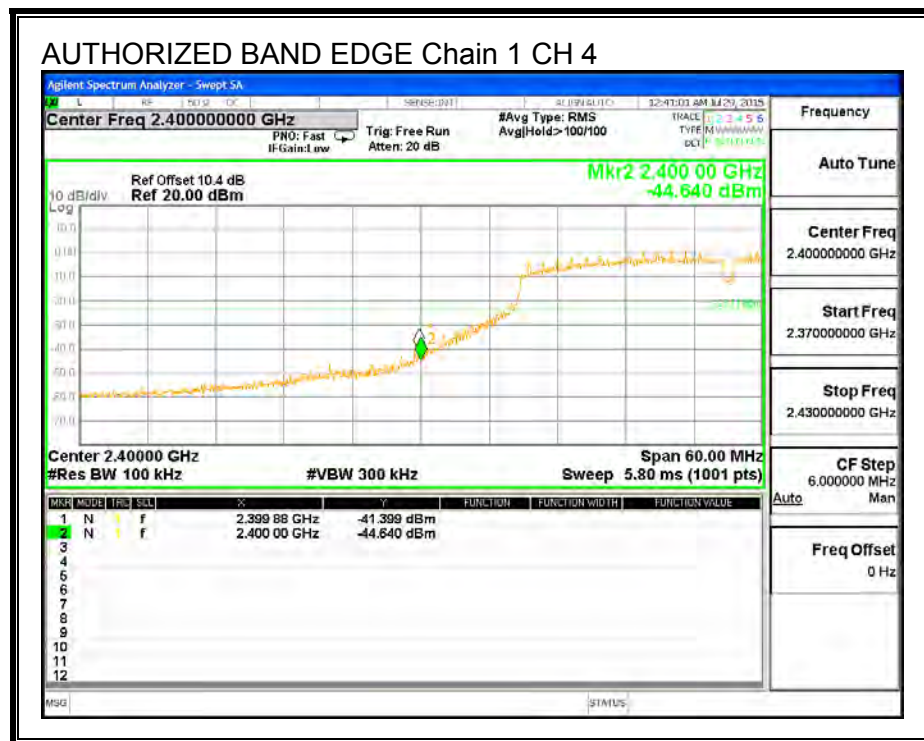
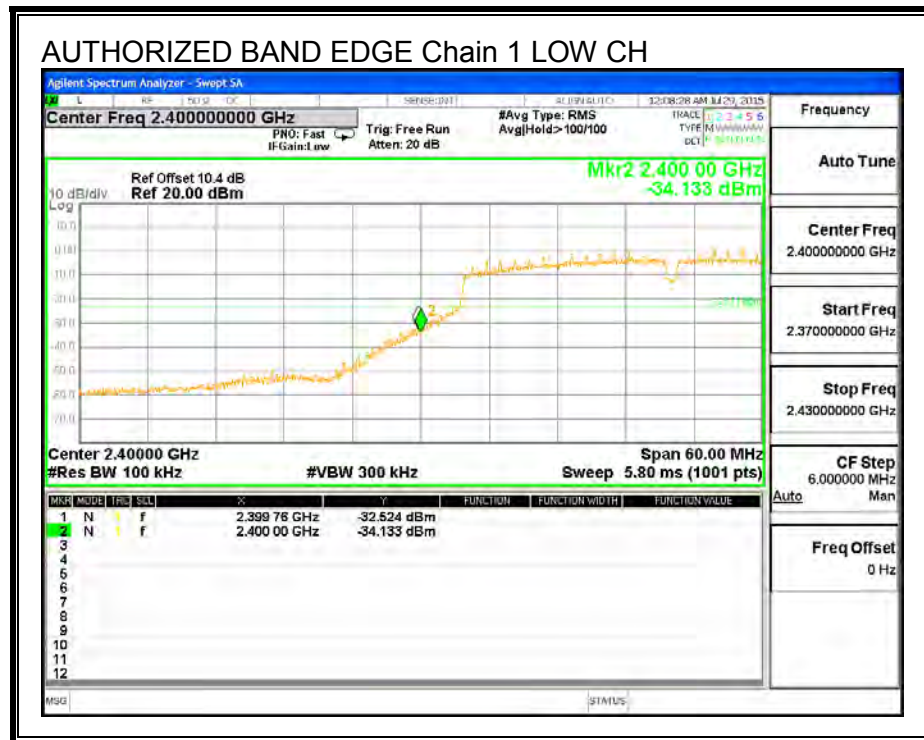


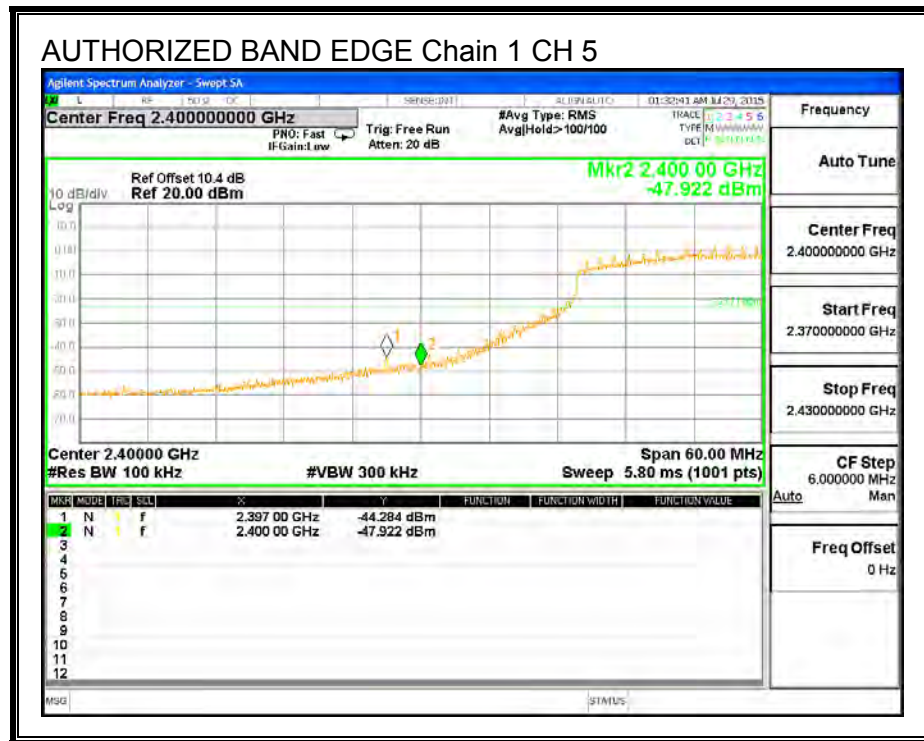




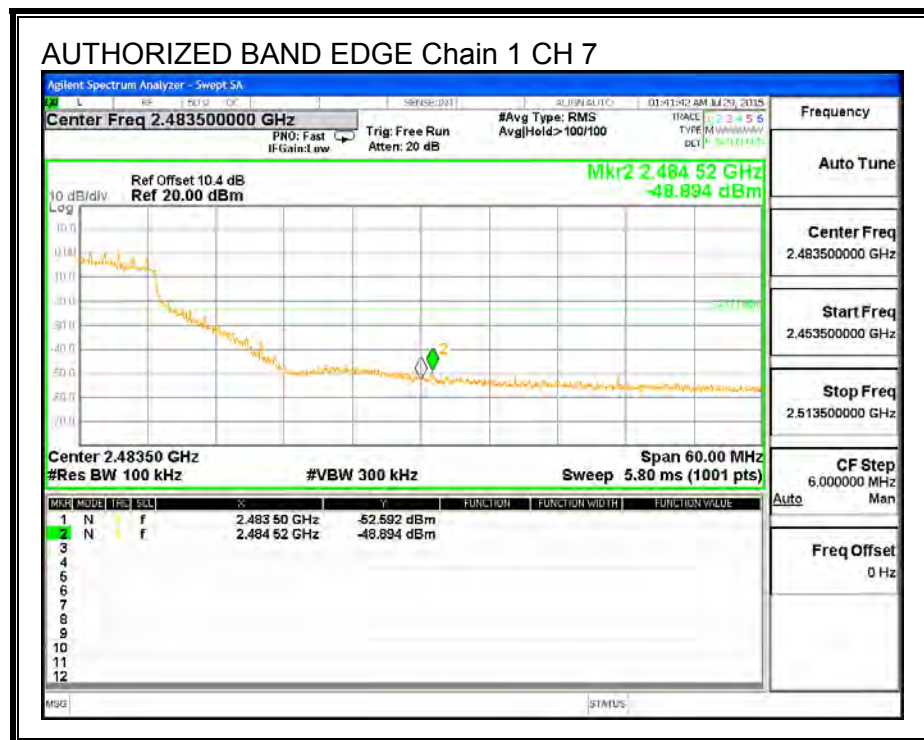


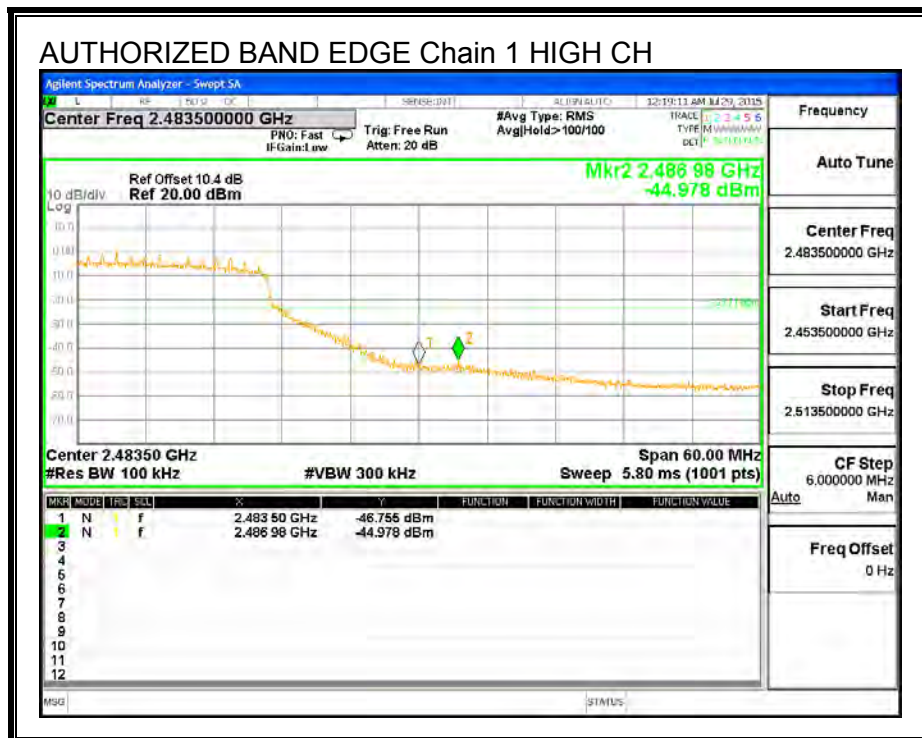
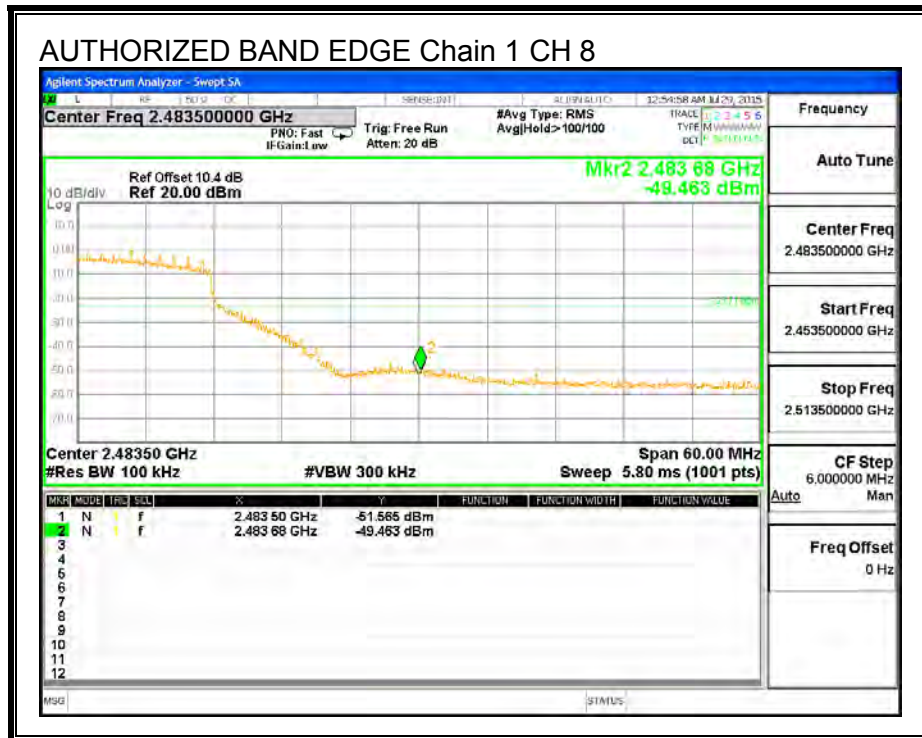
**LOW CHANNEL BANDEDGE, Chain 1**

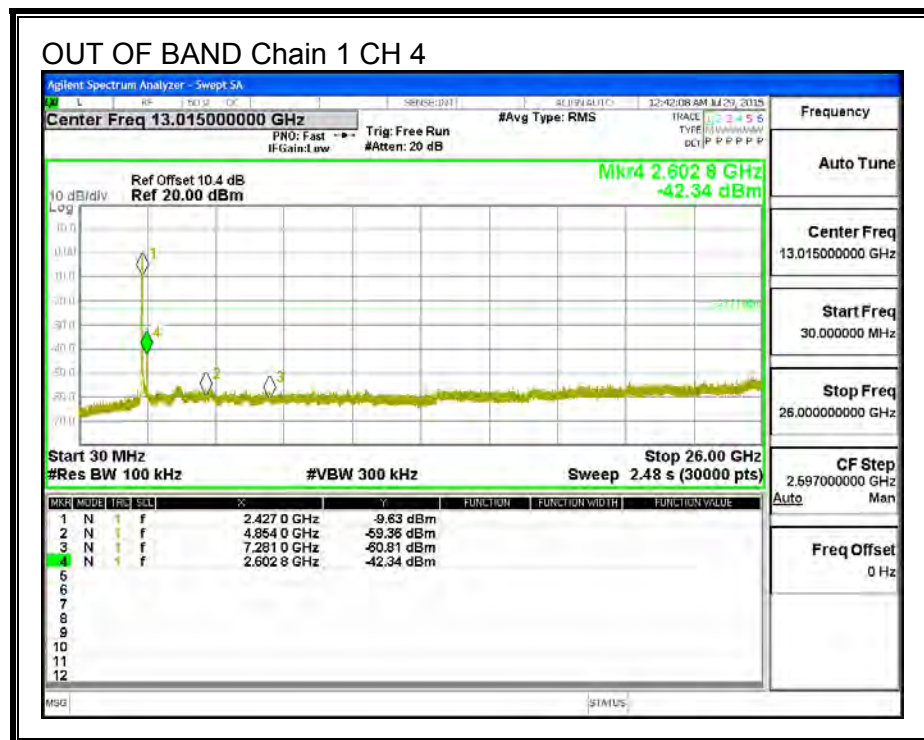
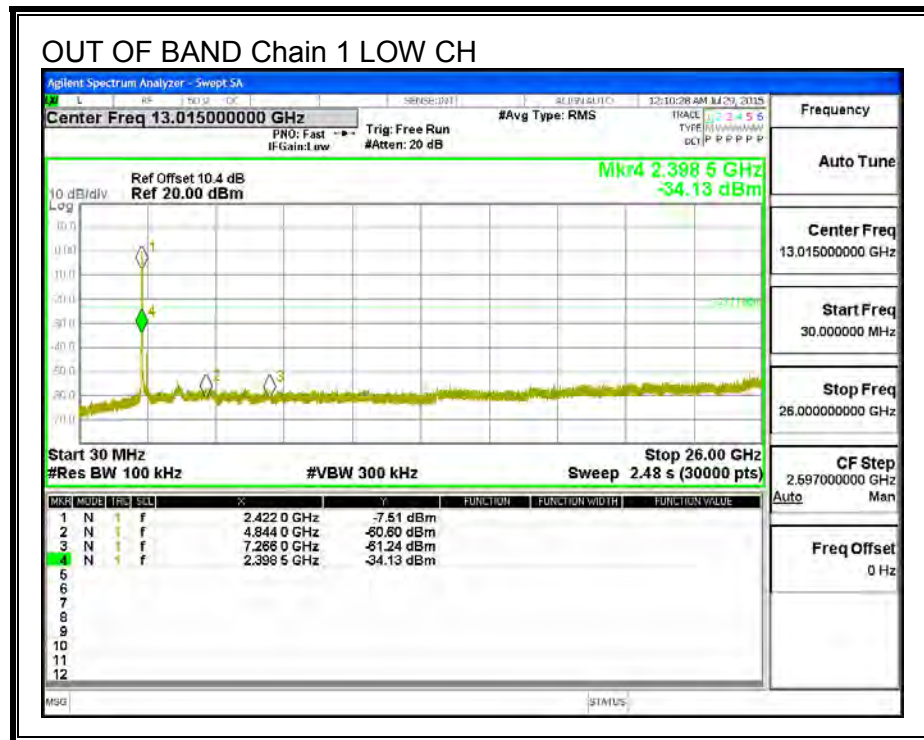


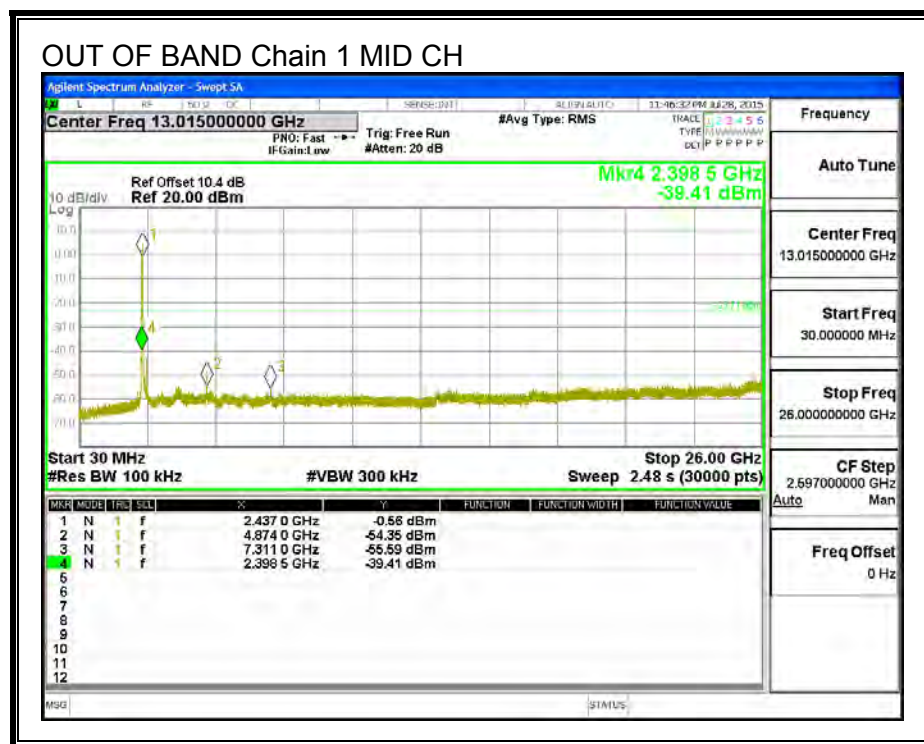
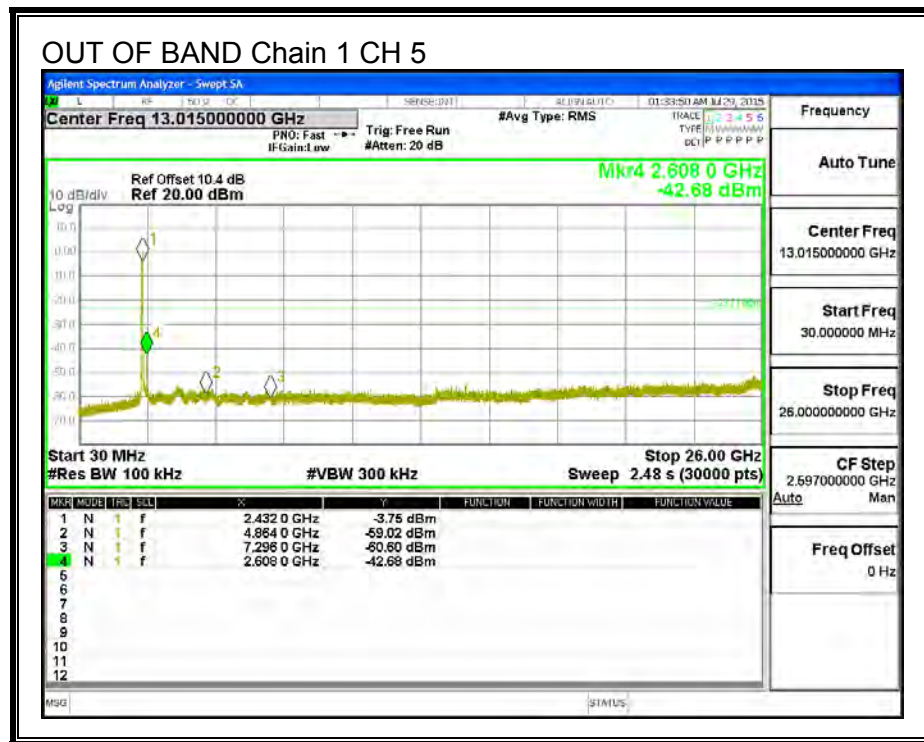


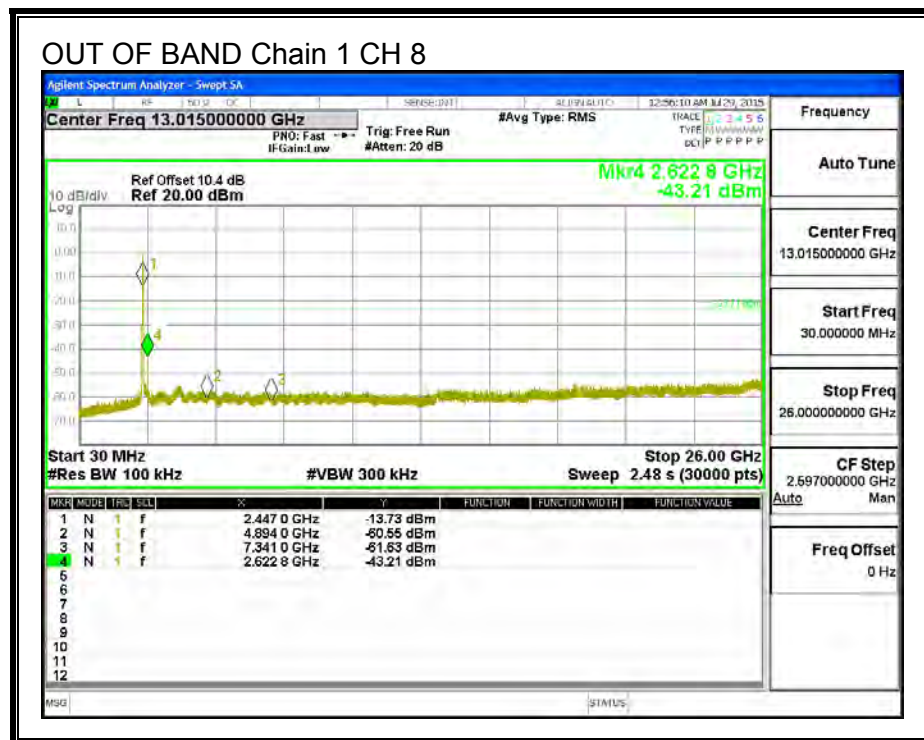
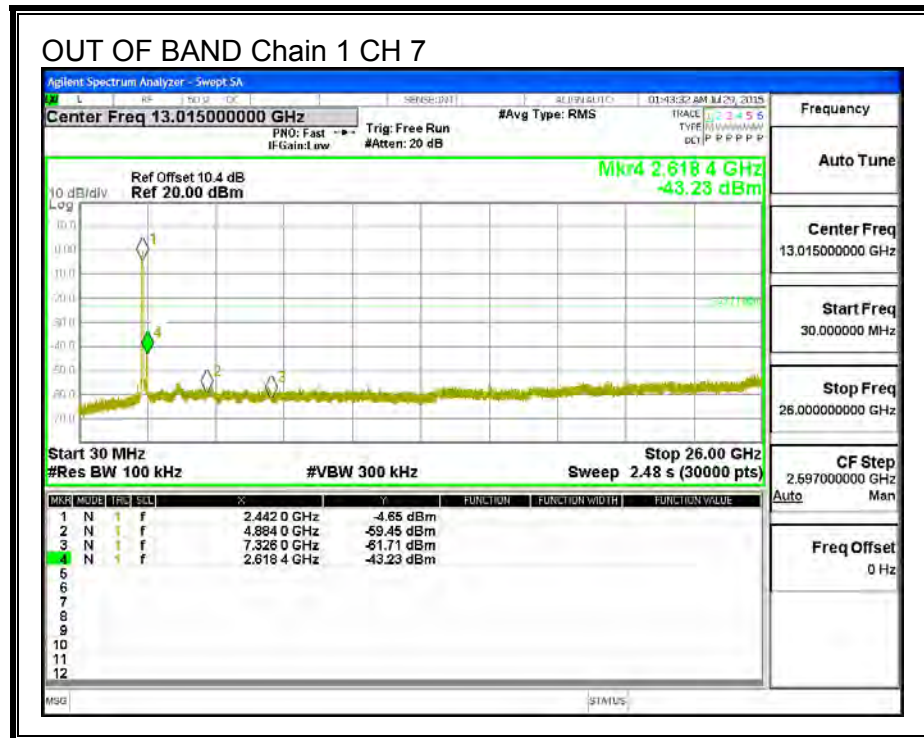
### HIGH CHANNEL BANDEDGE, Chain 1

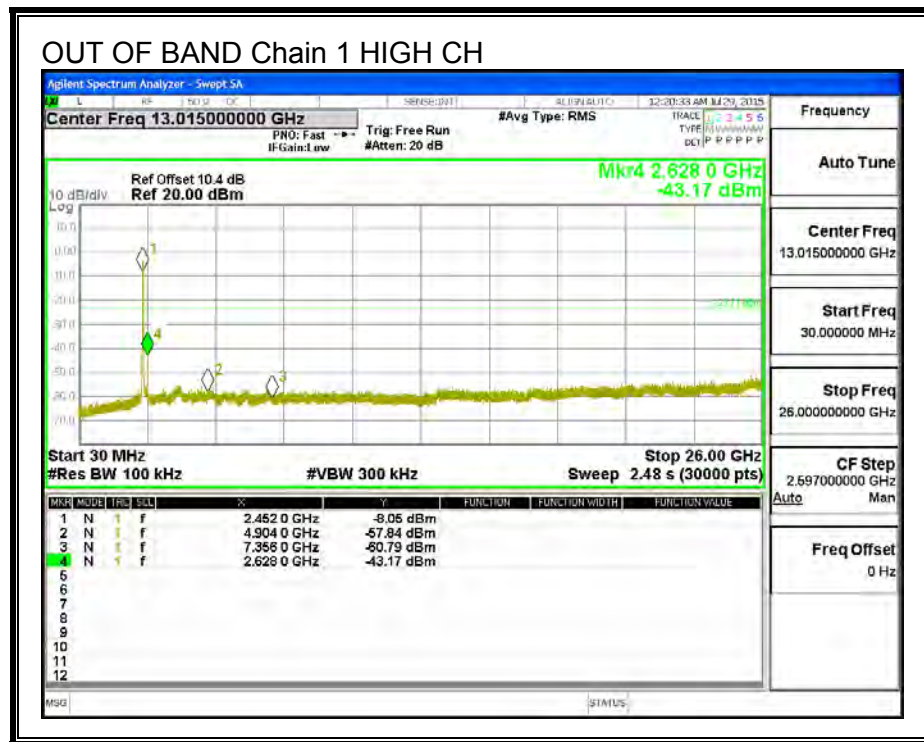












## 9. RADIATED TEST RESULTS

### 9.1. LIMITS AND PROCEDURE

#### LIMITS

FCC §15.205 and §15.209

| Frequency Range (MHz) | Field Strength Limit (uV/m) at 3 m | Field Strength Limit (dBuV/m) at 3 m |
|-----------------------|------------------------------------|--------------------------------------|
| 30 - 88               | 100                                | 40                                   |
| 88 - 216              | 150                                | 43.5                                 |
| 216 - 960             | 200                                | 46                                   |
| Above 960             | 500                                | 54                                   |

#### TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane. The antenna to EUT distance is 3 meters.

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

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

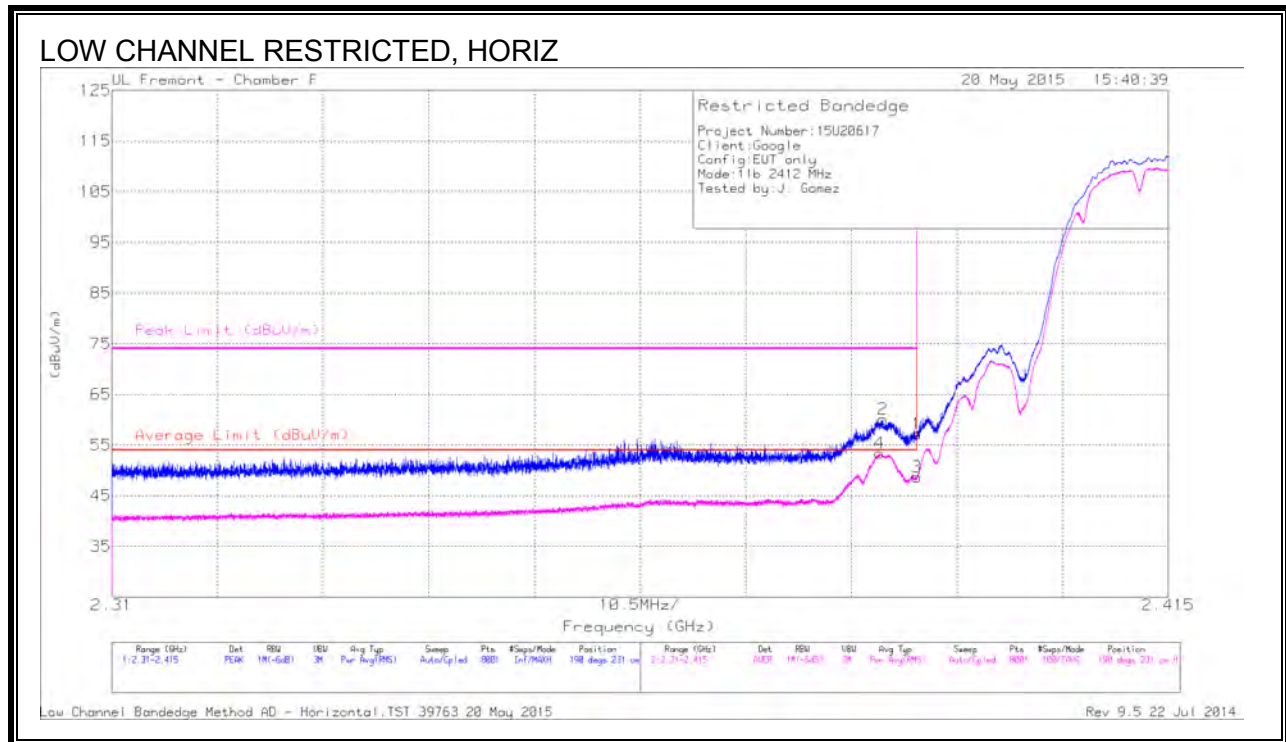
The spectrum from 30 MHz to 26 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.

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

## 9.2. TRANSMITTER ABOVE 1 GHz

### 9.2.1. TX ABOVE 1 GHz 802.11b 2TX MODE IN THE 2.4 GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL)

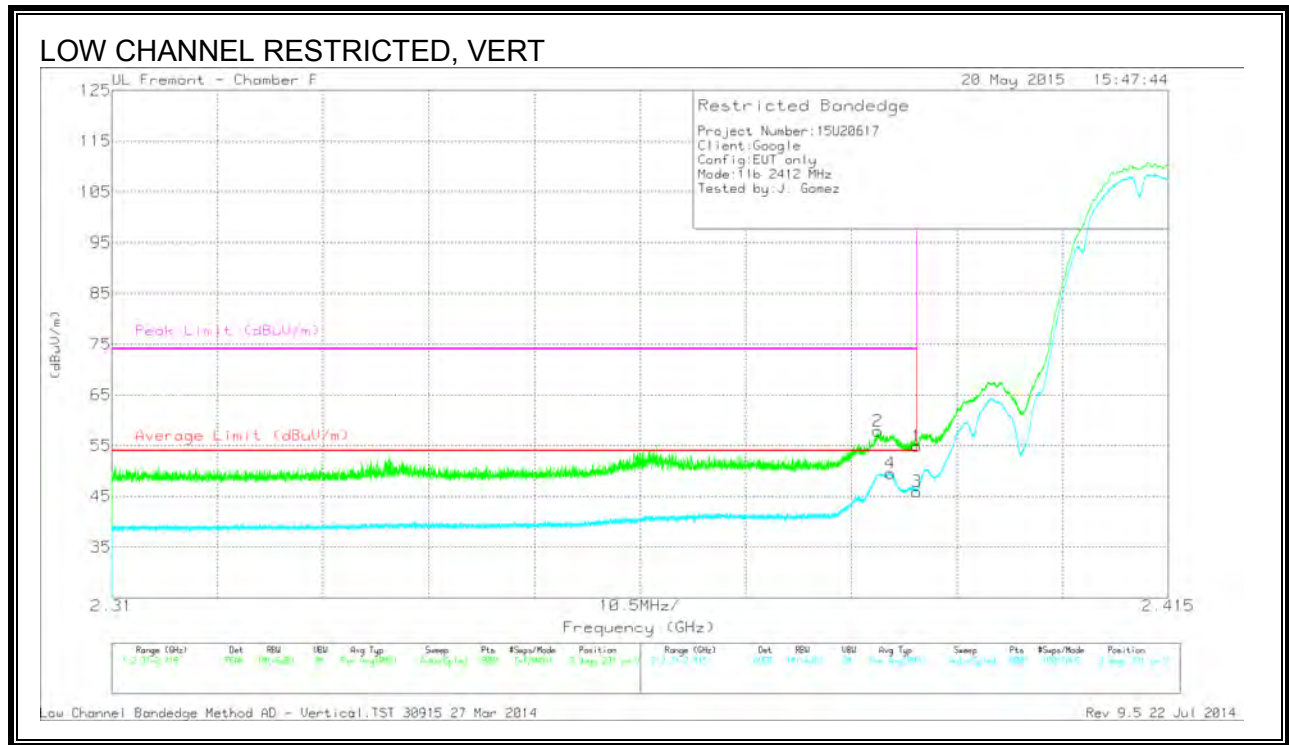


#### Trace Markers

| 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 |
|--------|-----------------|----------------------|-----|----------------|----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 46.22                | PK  | 31.9           | -20.9                | 57.22                      | -                      | -           | 74                  | -16.78         | 190            | 231         | H        |
| 2      | * 2.387         | 49.11                | PK  | 31.9           | -20.9                | 60.11                      | -                      | -           | 74                  | -13.89         | 190            | 231         | H        |
| 3      | * 2.39          | 37.65                | RMS | 31.9           | -20.9                | 48.65                      | 54                     | -5.35       | -                   | -              | 190            | 231         | H        |
| 4      | * 2.386         | 42.36                | RMS | 31.9           | -20.9                | 53.36                      | 54                     | -64         | -                   | -              | 190            | 231         | H        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

PK - Peak detector  
RMS - RMS detection



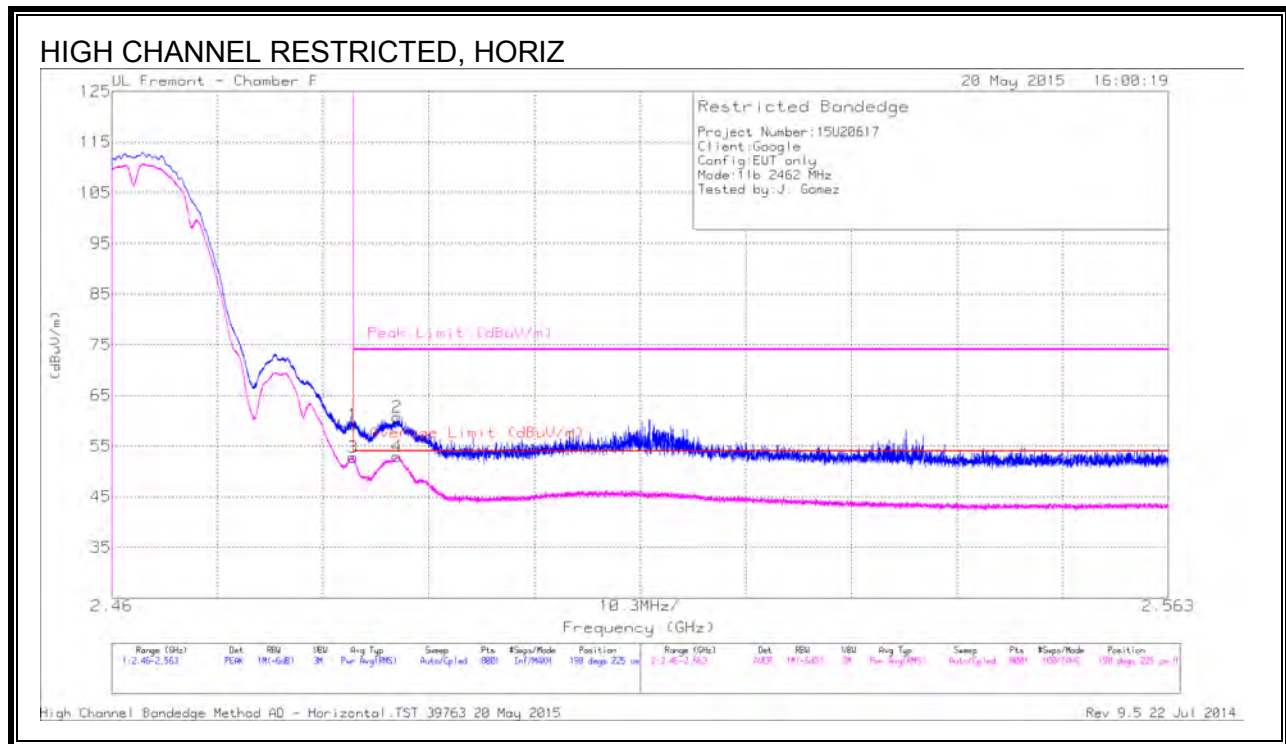
## Trace Markers

| 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 |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 43.89                | PK  | 31.9           | -20.9                  | 54.89                      | -                      | -           | 74                  | -19.11         | 3              | 231         | V        |
| 2      | * 2.386         | 46.92                | PK  | 31.9           | -20.9                  | 57.92                      | -                      | -           | 74                  | -16.08         | 3              | 231         | V        |
| 3      | * 2.39          | 34.97                | RMS | 31.9           | -20.9                  | 45.97                      | 54                     | -8.03       | -                   | -              | 3              | 231         | V        |
| 4      | * 2.387         | 38.58                | RMS | 31.9           | -20.9                  | 49.58                      | 54                     | -4.42       | -                   | -              | 3              | 231         | V        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band<sup>®</sup>.

PK - Peak detector  
RMS - RMS detection

**AUTHORIZED BANDEGE (HIGH CHANNEL)**

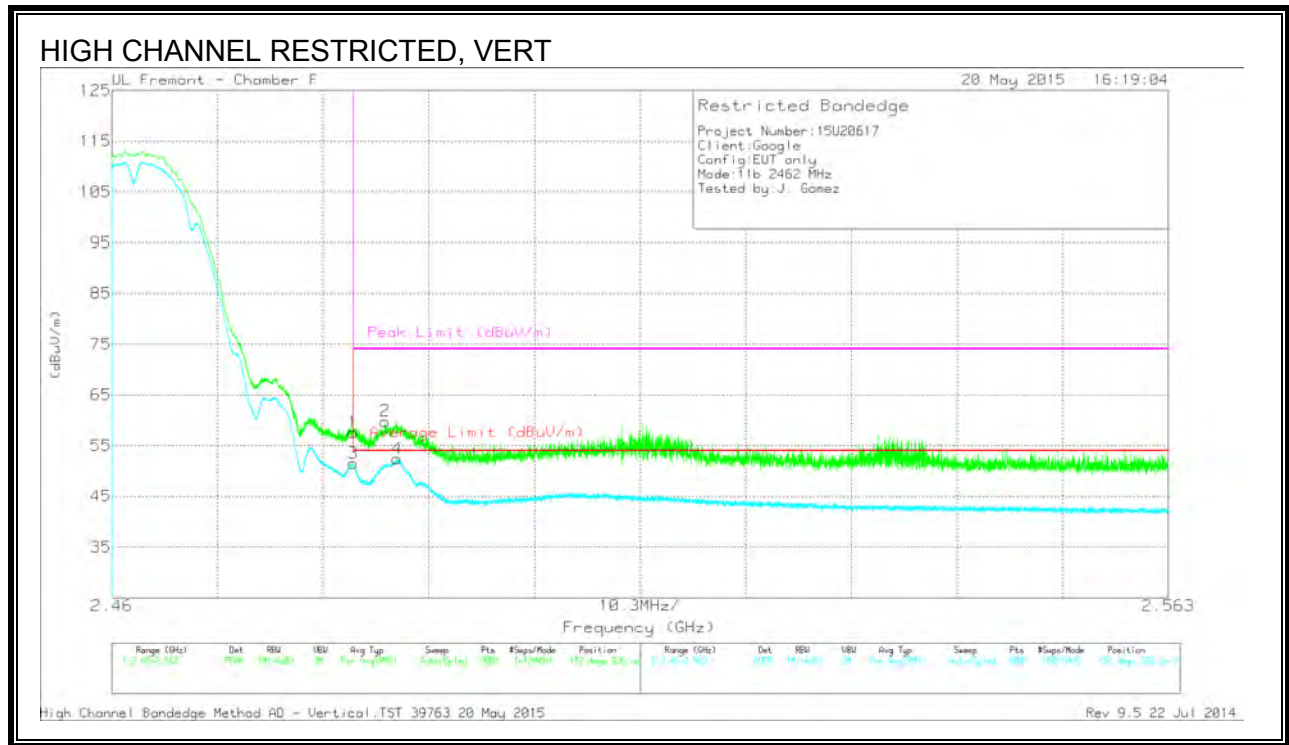


**Trace Markers**

| 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 |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 47.98                | PK  | 32.2           | -20.9                  | 59.28                      | -                      | -           | 74                  | -14.72         | 198            | 225         | H        |
| 2      | * 2.488         | 49.44                | PK  | 32.2           | -20.9                  | 60.74                      | -                      | -           | 74                  | -13.26         | 198            | 225         | H        |
| 3      | * 2.484         | 41.45                | RMS | 32.2           | -20.9                  | 52.75                      | 54                     | -1.25       | -                   | -              | 198            | 225         | H        |
| 4      | * 2.488         | 41.58                | RMS | 32.2           | -20.9                  | 52.88                      | 54                     | -1.12       | -                   | -              | 198            | 225         | H        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

PK - Peak detector  
RMS - RMS detection



## Trace Markers

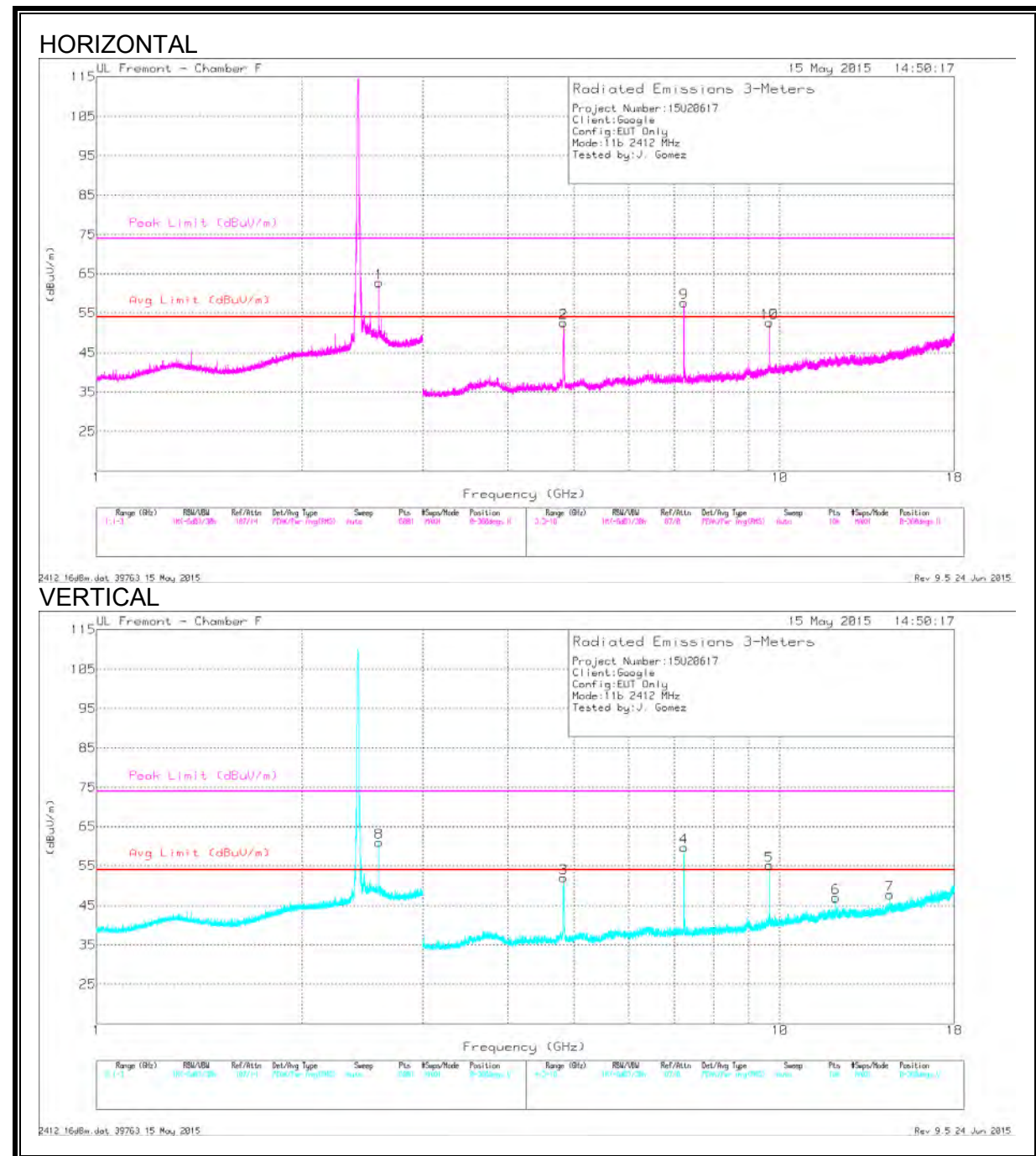
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AFT120 (dB/m) | Amp/Cbl/ Filt/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 46.32                | PK  | 32.2          | -20.9                  | 57.62                      | -                      | -           | 74                  | -16.38         | 152            | 226         | V        |
| 2      | * 2.487         | 48.49                | PK  | 32.2          | -20.9                  | 59.79                      | -                      | -           | 74                  | -14.21         | 152            | 226         | V        |
| 3      | * 2.484         | 40.2                 | RMS | 32.2          | -20.9                  | 51.5                       | 54                     | -2.5        | -                   | -              | 152            | 226         | V        |
| 4      | * 2.488         | 41.09                | RMS | 32.2          | -20.9                  | 52.39                      | 54                     | -1.61       | -                   | -              | 152            | 226         | V        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

PK - Peak detector  
RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL



## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T120 (dB/m) | Amp/Cbl/ Filt/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      | 2.588           | 50.93                | Pk   | 32.6           | -20.8                  | 62.73                      | -                  | -           | 74                  | -11.27         | 0-360          | 101         | H        |
| 8      | 2.588           | 49.26                | Pk   | 32.6           | -20.8                  | 61.06                      | -                  | -           | 74                  | -12.94         | 0-360          | 201         | V        |
| 2      | * 4.824         | 49.92                | PK2  | 34.1           | -27.6                  | 56.42                      | -                  | -           | 74                  | -17.58         | 306            | 197         | H        |
|        | * 4.824         | 47.27                | MAv1 | 34.1           | -27.6                  | 53.77                      | 54                 | -23         | -                   | -              | 306            | 197         | H        |
| 9      | 7.236           | 48.47                | Pk   | 35.6           | -26.4                  | 57.67                      | -                  | -           | 74                  | -16.33         | 0-360          | 101         | H        |
| 10     | 9.648           | 37.75                | Pk   | 37             | -22.1                  | 52.65                      | -                  | -           | 74                  | -21.35         | 0-360          | 101         | H        |
| 3      | * 4.824         | 48.25                | PK2  | 34.1           | -27.6                  | 54.75                      | -                  | -           | 74                  | -19.25         | 276            | 365         | V        |
|        | * 4.824         | 45.34                | MAv1 | 34.1           | -27.6                  | 51.84                      | 54                 | -2.16       | -                   | -              | 276            | 365         | V        |
| 4      | 7.236           | 50.55                | Pk   | 35.6           | -26.4                  | 59.75                      | -                  | -           | 74                  | -14.25         | 0-360          | 201         | V        |
| 5      | 9.648           | 40.26                | Pk   | 37             | -22.1                  | 55.16                      | -                  | -           | 74                  | -18.84         | 0-360          | 201         | V        |
| 6      | * 12.063        | 34.64                | PK2  | 39.1           | -21.9                  | 51.84                      | -                  | -           | 74                  | -22.16         | 58             | 201         | V        |
|        | * 12.062        | 23.05                | MAv1 | 39.1           | -21.9                  | 40.25                      | 54                 | -13.75      | -                   | -              | 58             | 201         | V        |
|        | * 14.474        | 36.34                | PK2  | 39.9           | -23.4                  | 52.84                      | -                  | -           | 74                  | -21.16         | 13             | 201         | V        |
| 7      | * 14.473        | 24.86                | MAv1 | 39.9           | -23.4                  | 41.36                      | 54                 | -12.64      | -                   | -              | 13             | 201         | V        |

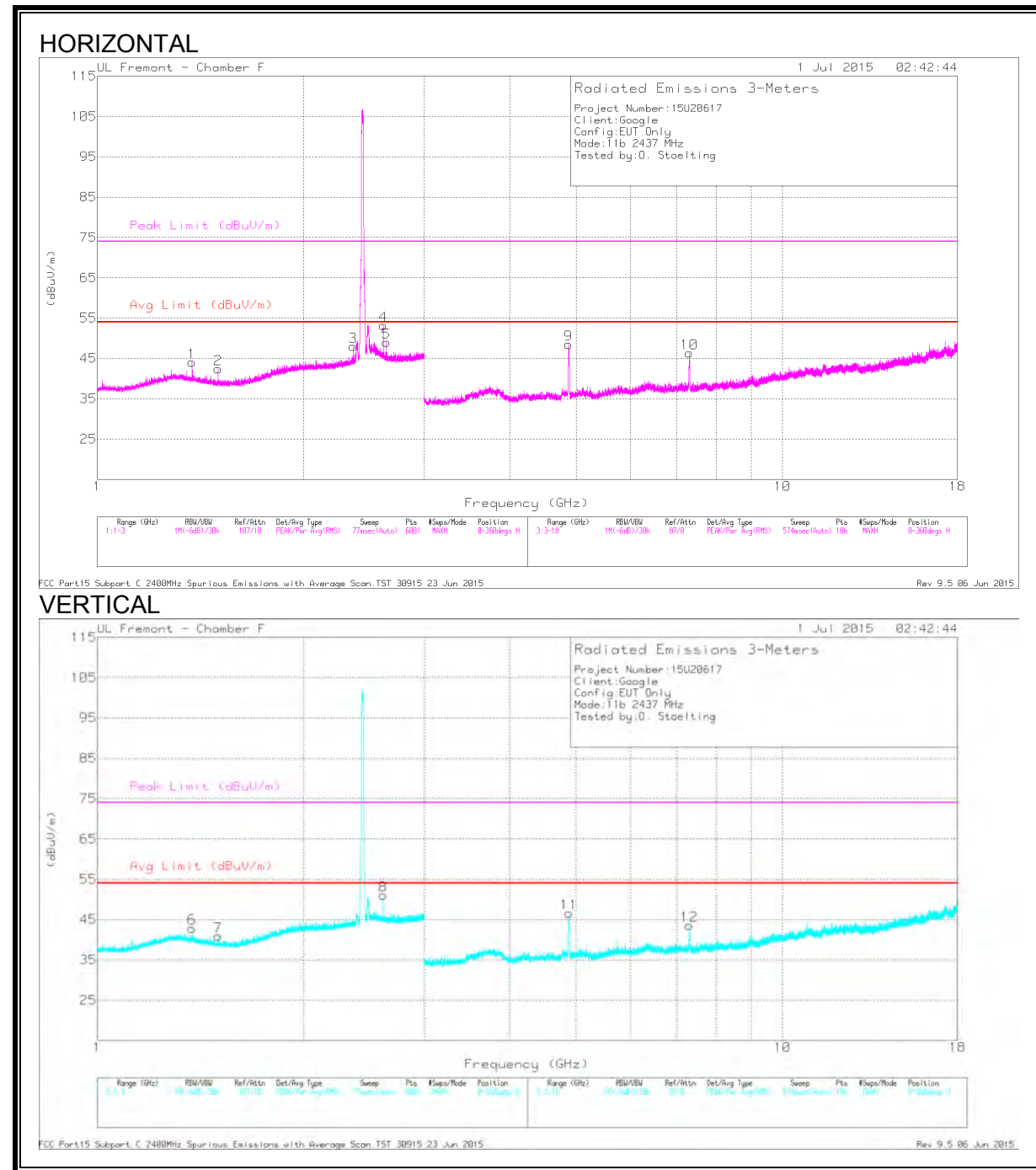
\* - indicates frequency in CFR 47, Part 15.

Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

# MID CHANNEL



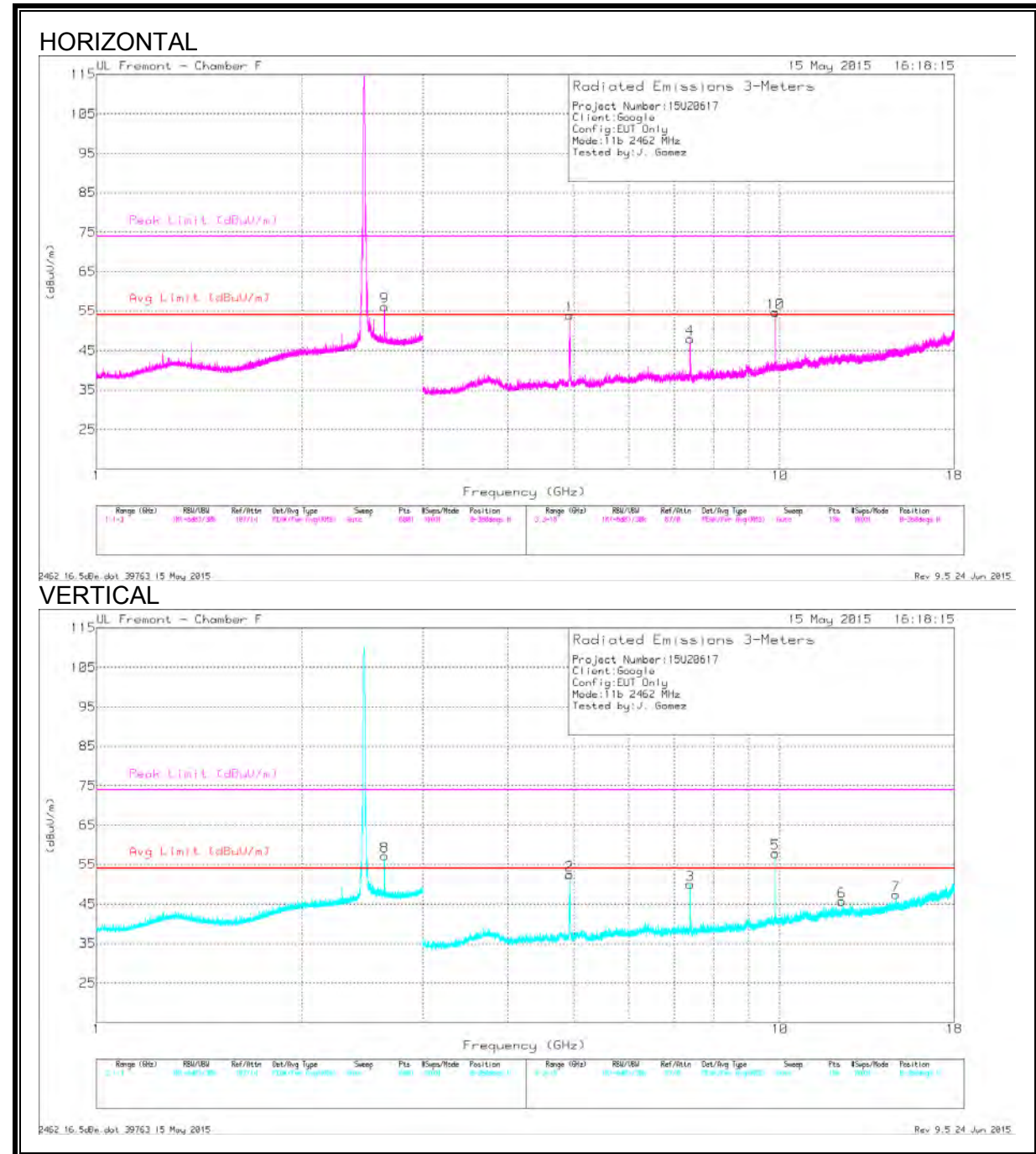
## Trace Markers

| 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      | * 1.375         | 44.37                | PK2  | 29.3           | -22.1                  | 51.57                      | -                  | -           | 74                  | -22.43         | 231            | 148         | H        |
|        | * 1.375         | 34.69                | MAv1 | 29.3           | -22.1                  | 41.89                      | 54                 | -12.11      | -                   | -              | 231            | 148         | H        |
| 2      | * 1.5           | 44.16                | PK2  | 28.2           | -22.1                  | 50.26                      | -                  | -           | 74                  | -23.74         | 195            | 196         | H        |
|        | * 1.5           | 33.43                | MAv1 | 28.2           | -22.1                  | 39.53                      | 54                 | -14.47      | -                   | -              | 195            | 196         | H        |
| 3      | * 2.36          | 43.35                | PK2  | 31.9           | -21.1                  | 54.15                      | -                  | -           | 74                  | -19.85         | 80             | 177         | H        |
|        | * 2.36          | 30.36                | MAv1 | 31.9           | -21.1                  | 41.16                      | 54                 | -12.84      | -                   | -              | 80             | 177         | H        |
| 4      | 2.613           | 47.57                | PK2  | 32.6           | -20.9                  | 59.27                      | -                  | -           | 74                  | -14.73         | 264            | 224         | H        |
| 5      | 2.64            | 44.86                | PK2  | 32.7           | -20.9                  | 56.66                      | -                  | -           | 74                  | -17.34         | 338            | 223         | H        |
| 6      | * 1.375         | 43.39                | PK2  | 29.3           | -22.1                  | 50.59                      | -                  | -           | 74                  | -23.41         | 168            | 172         | V        |
|        | * 1.375         | 32.61                | MAv1 | 29.3           | -22.1                  | 39.81                      | 54                 | -14.19      | -                   | -              | 168            | 172         | V        |
| 7      | * 1.5           | 42.62                | PK2  | 28.2           | -22.1                  | 48.72                      | -                  | -           | 74                  | -25.28         | 230            | 180         | V        |
|        | * 1.5           | 31.04                | MAv1 | 28.2           | -22.1                  | 37.14                      | 54                 | -16.86      | -                   | -              | 230            | 180         | V        |
| 8      | 2.613           | 46.17                | PK2  | 32.6           | -20.9                  | 57.87                      | -                  | -           | 74                  | -16.13         | 184            | 295         | V        |
| 9      | * 4.873         | 52                   | PK2  | 34.1           | -27.8                  | 58.3                       | -                  | -           | 74                  | -15.7          | 303            | 247         | H        |
|        | * 4.873         | 38.66                | MAv1 | 34.1           | -27.8                  | 44.96                      | 54                 | -9.04       | -                   | -              | 303            | 247         | H        |
| 10     | * 7.306         | 49.06                | PK2  | 35.7           | -26.7                  | 58.06                      | -                  | -           | 74                  | -15.94         | 352            | 158         | H        |
|        | * 7.306         | 33.87                | MAv1 | 35.7           | -26.7                  | 42.87                      | 54                 | -11.13      | -                   | -              | 352            | 158         | H        |
| 11     | * 4.879         | 50.04                | PK2  | 34.1           | -27.9                  | 56.24                      | -                  | -           | 74                  | -17.76         | 284            | 297         | V        |
|        | * 4.878         | 37.08                | MAv1 | 34.1           | -27.9                  | 43.28                      | 54                 | -10.72      | -                   | -              | 284            | 297         | V        |
| 12     | * 7.313         | 47.35                | PK2  | 35.7           | -26.7                  | 56.35                      | -                  | -           | 74                  | -17.65         | 74             | 213         | V        |
|        | * 7.313         | 33.39                | MAv1 | 35.7           | -26.7                  | 42.39                      | 54                 | -11.61      | -                   | -              | 74             | 213         | V        |

\* - indicates frequency in CFR 47, Part 15.

PK2 - KDB558074 Method: Maximum Peak  
MAv1 - KDB558074 Option 1 Maximum RMS Average

**HIGH CHANNEL**



## Trace Markers

| 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 |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 9      | 2.638           | 44.13                | Pk   | 32.7           | -20.7                  | 56.13                      | -                  | -           | 74                  | -17.87         | 0-360          | 201         | H        |
| 8      | 2.638           | 45.18                | Pk   | 32.7           | -20.7                  | 57.18                      | -                  | -           | 74                  | -16.82         | 0-360          | 201         | V        |
| 1      | * 4.924         | 50.52                | PK2  | 34.1           | -28.6                  | 56.02                      | -                  | -           | 74                  | -17.98         | 306            | 237         | H        |
|        | * 4.924         | 47.91                | MAv1 | 34.1           | -28.6                  | 53.41                      | 54                 | -59         | -                   | -              | 306            | 237         | H        |
| 4      | * 7.389         | 39.35                | PK2  | 35.7           | -25.7                  | 49.35                      | -                  | -           | 74                  | -24.65         | 2              | 153         | H        |
|        | * 7.387         | 30.85                | MAv1 | 35.7           | -25.7                  | 40.85                      | 54                 | -13.15      | -                   | -              | 2              | 153         | H        |
| 10     | 9.848           | 39.59                | Pk   | 37.2           | -22.1                  | 54.69                      | -                  | -           | 74                  | -19.31         | 0-360          | 100         | H        |
| 2      | * 4.924         | 49.23                | PK2  | 34.1           | -28.6                  | 54.73                      | -                  | -           | 74                  | -19.27         | 277            | 260         | V        |
|        | * 4.924         | 46.26                | MAv1 | 34.1           | -28.6                  | 51.76                      | 54                 | -2.24       | -                   | -              | 277            | 260         | V        |
| 3      | * 7.388         | 40.01                | PK2  | 35.7           | -25.7                  | 50.01                      | -                  | -           | 74                  | -23.99         | 72             | 254         | V        |
|        | * 7.387         | 32.39                | MAv1 | 35.7           | -25.7                  | 42.39                      | 54                 | -11.61      | -                   | -              | 72             | 254         | V        |
| 5      | 9.848           | 42.74                | Pk   | 37.2           | -22.1                  | 57.84                      | -                  | -           | 74                  | -16.16         | 0-360          | 201         | V        |
| 6      | * 12.311        | 35.22                | PK2  | 39             | -22.5                  | 51.72                      | -                  | -           | 74                  | -22.28         | 0              | 201         | V        |
|        | * 12.311        | 23.76                | MAv1 | 39             | -22.5                  | 40.26                      | 54                 | -13.74      | -                   | -              | 0              | 201         | V        |
| 7      | 14.773          | 30.98                | Pk   | 40.1           | -23.7                  | 47.38                      | -                  | -           | 74                  | -26.62         | 0-360          | 201         | V        |

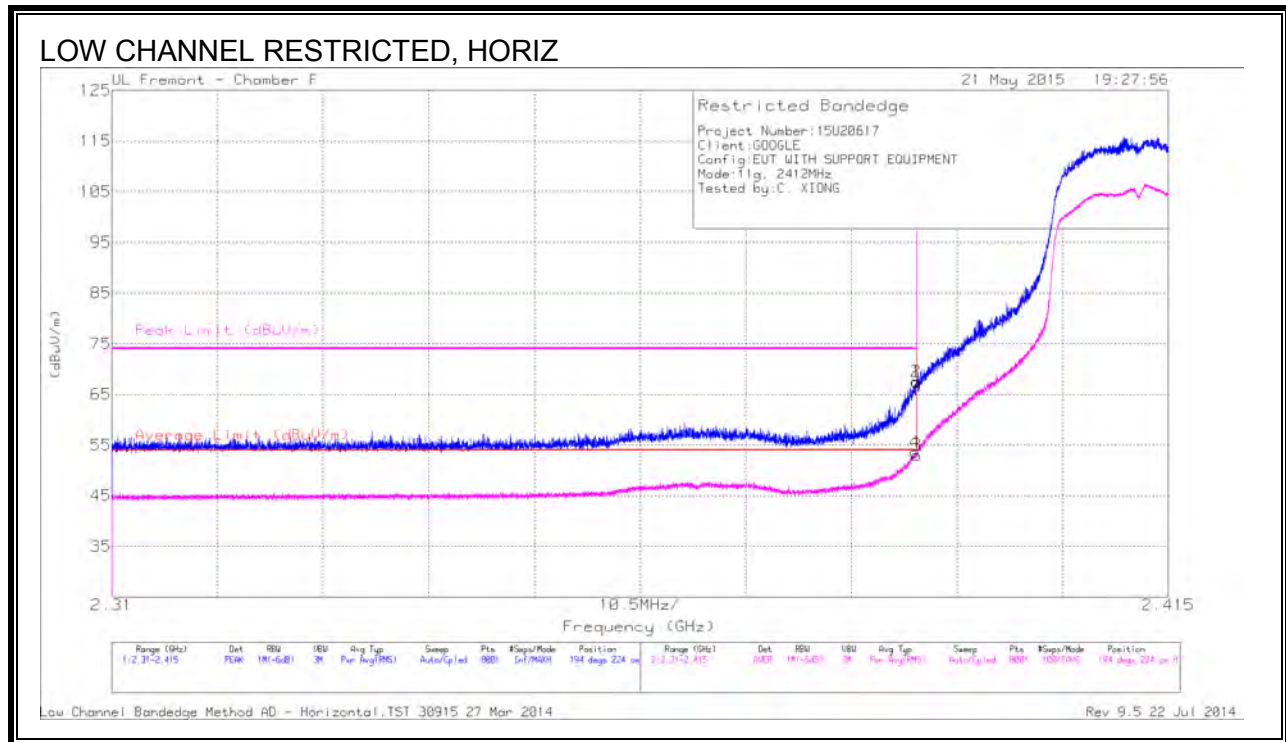
\* - indicates frequency in CFR 47, Part 15.

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

## 9.2.2. TX ABOVE 1 GHz 802.11g 2TX MODE IN THE 2.4 GHz BAND

### RESTRICTED BANDEDGE (LOW CHANNEL)

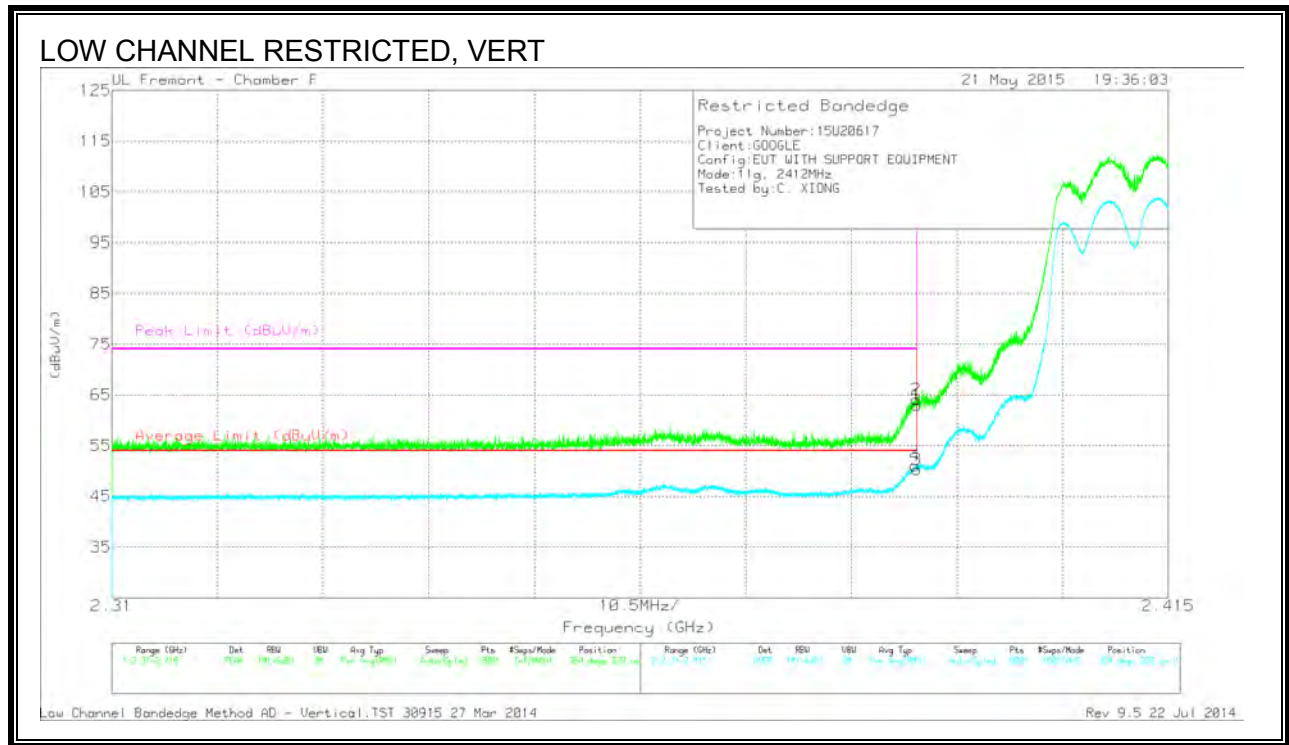


### Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AFT120 (dB/m) | Amp/Cbl/Ftr/Pad (dB) | DC Corr (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          | 56.37                | PK  | 31.9          | -20.9                |              | 67.37                      | -                      | -           | 74                  | -6.63          | 194            | 224         | H        |
| 2      | * 2.39          | 56.51                | PK  | 31.9          | -20.9                |              | 67.51                      | -                      | -           | 74                  | -6.49          | 194            | 224         | H        |
| 3      | * 2.39          | 42.02                | RMS | 31.9          | -20.9                | .11          | 53.13                      | 54                     | -87         | -                   | -              | 194            | 224         | H        |
| 4      | * 2.39          | 42.55                | RMS | 31.9          | -20.9                | .11          | 53.66                      | 54                     | -34         | -                   | -              | 194            | 224         | H        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

PK - Peak detector  
RMS - RMS detection



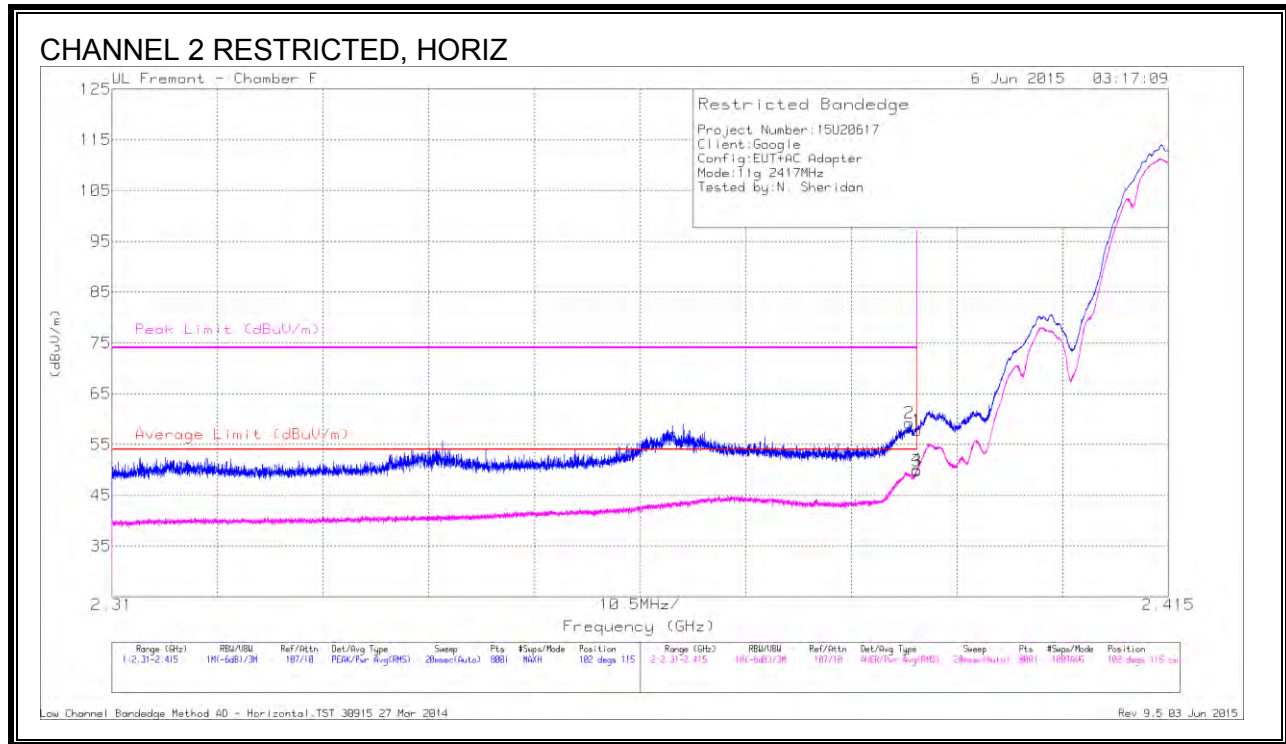
## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (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          | 52                   | PK  | 31.9           | -20.9                  |              | 63                         | -                      | -           | 74                  | -11            | 354            | 229         | V        |
| 2      | * 2.39          | 53.05                | PK  | 31.9           | -20.9                  |              | 64.05                      | -                      | -           | 74                  | -9.95          | 354            | 229         | V        |
| 3      | * 2.39          | 39.27                | RMS | 31.9           | -20.9                  | .11          | 50.38                      | 54                     | -3.62       | -                   | -              | 354            | 229         | V        |
| 4      | * 2.39          | 40.05                | RMS | 31.9           | -20.9                  | .11          | 51.16                      | 54                     | -2.84       | -                   | -              | 354            | 229         | V        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band<sup>®</sup>.

PK - Peak detector  
RMS - RMS detection

## RESTRICTED BANDEDGE (CHANNEL 2)

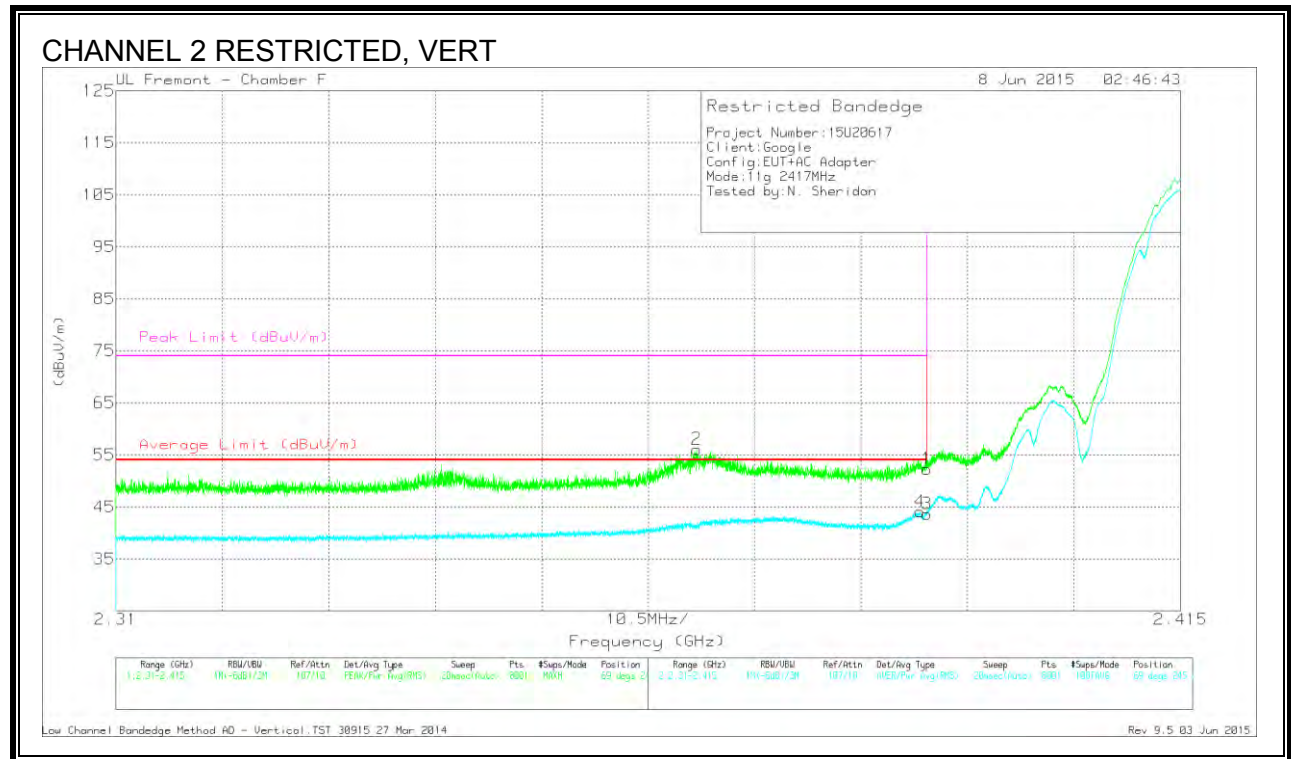


## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cbl/FI tr/Pad (dB) | DC Corr (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          | 46.75                | Pk  | 31.9           | -20.9                  | 0            | 57.75                      | -                      | -           | 74                  | -16.25         | 102            | 115         | H        |
| 2      | * 2.389         | 48.2                 | Pk  | 31.9           | -20.9                  | 0            | 59.2                       | -                      | -           | 74                  | -14.8          | 102            | 115         | H        |
| 3      | * 2.39          | 38.67                | RMS | 31.9           | -20.9                  | .11          | 49.78                      | 54                     | -4.22       | -                   | -              | 102            | 115         | H        |
| 4      | * 2.39          | 38.97                | RMS | 31.9           | -20.9                  | .11          | 50.08                      | 54                     | -3.92       | -                   | -              | 102            | 115         | H        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

PK - Peak detector  
RMS - RMS detection



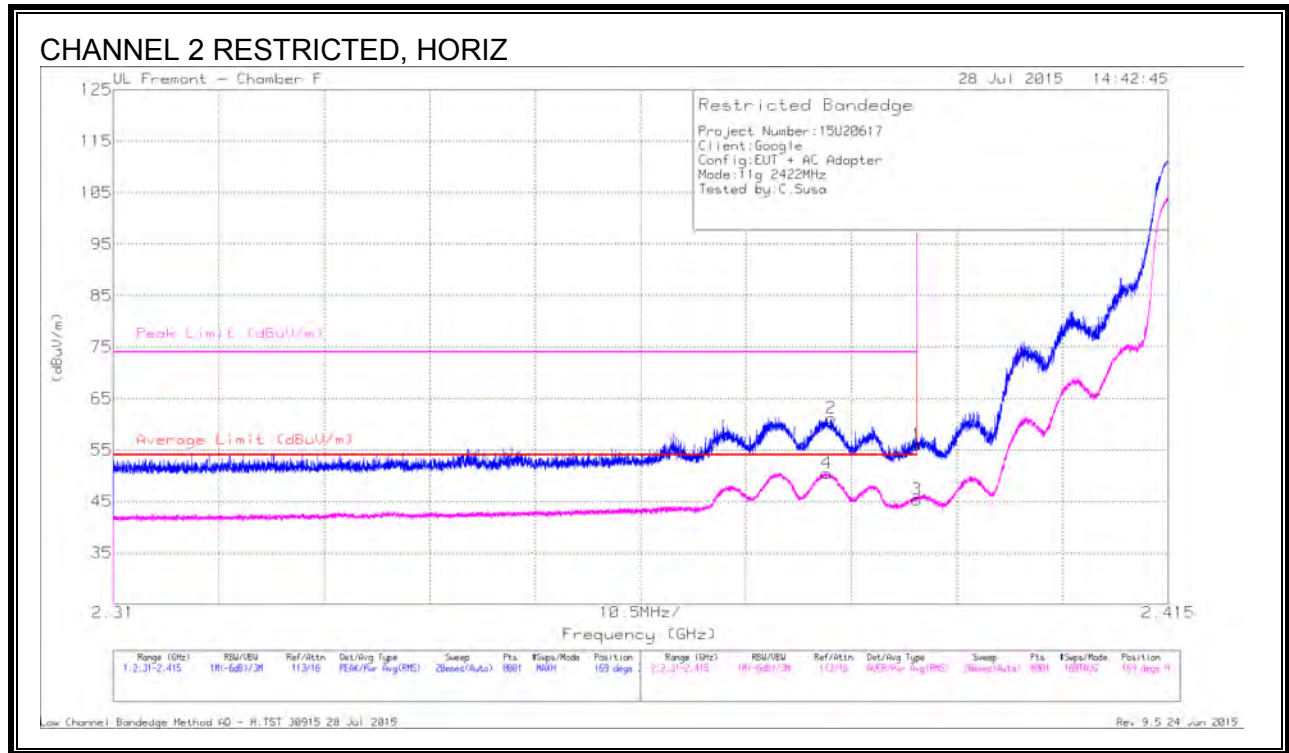
## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dBm) | Amp/Ch/I/F1 tri/Pad (dB) | DC Corr (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          | 41.31                | Pk  | 31.9          | -20.9                    | 0            | 52.31                      | -                      | -           | 74                  | -21.69         | 69             | 245         | V        |
| 2      | * 2.367         | 45.1                 | Pk  | 31.9          | -20.9                    | 0            | 56.1                       | -                      | -           | 74                  | -17.9          | 69             | 245         | V        |
| 3      | * 2.39          | 32.55                | RMS | 31.9          | -20.9                    | .11          | 43.66                      | 54                     | -10.34      | -                   | -              | 69             | 245         | V        |
| 4      | * 2.389         | 32.96                | RMS | 31.9          | -20.9                    | .11          | 44.07                      | 54                     | -9.93       | -                   | -              | 69             | 245         | V        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

PK - Peak detector  
RMS - RMS detection

**RESTRICTED BANDEDGE (CHANNEL 3)**

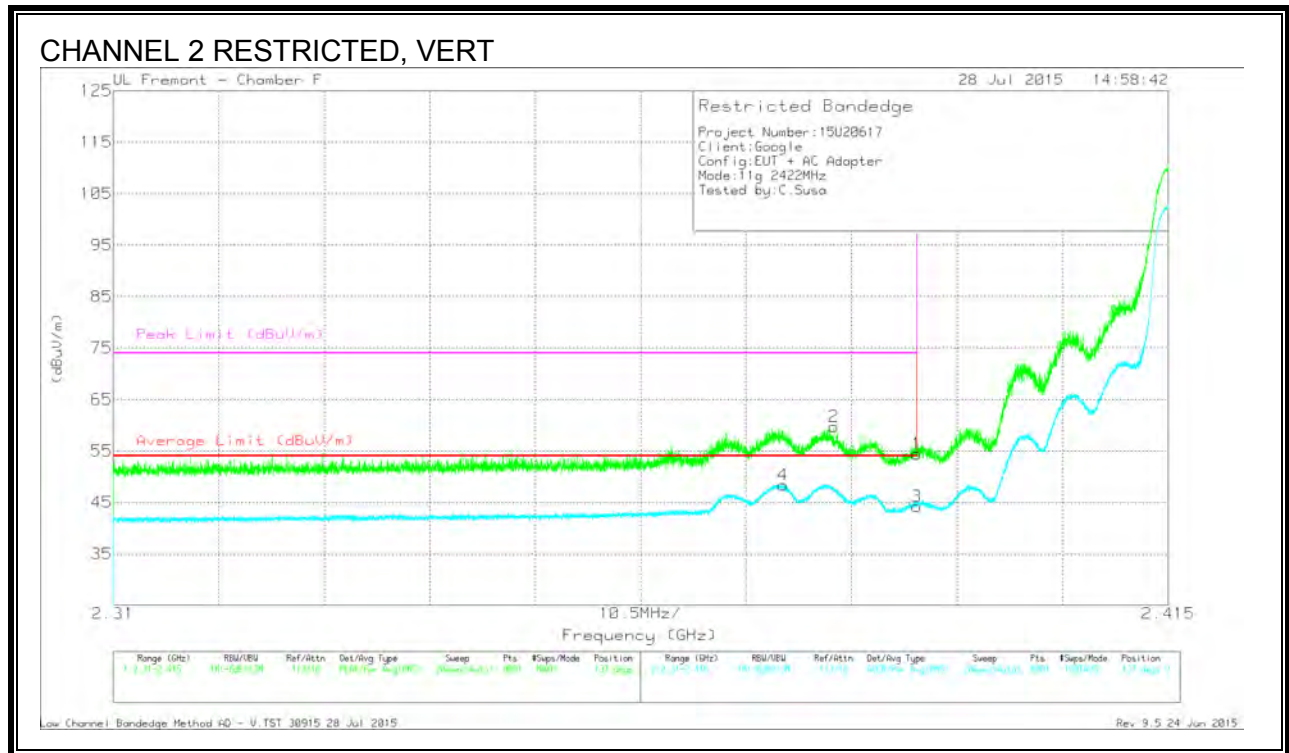


**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cbl/FI tr/Pad (dB) | DC Corr (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          | 45.15                | PK  | 31.9           | -21                    | 0            | 56.05                      | -                      | -           | 74                  | -17.95         | 169            | 343         | H        |
| 2      | * 2.381         | 50.31                | PK  | 31.9           | -21                    | 0            | 61.21                      | -                      | -           | 74                  | -12.79         | 169            | 343         | H        |
| 3      | * 2.39          | 34.49                | RMS | 31.9           | -21                    | .11          | 45.5                       | 54                     | -8.5        | -                   | -              | 169            | 343         | H        |
| 4      | * 2.381         | 39.59                | RMS | 31.9           | -21                    | .11          | 50.6                       | 54                     | -3.4        | -                   | -              | 169            | 343         | H        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

PK - Peak detector  
RMS - RMS detection



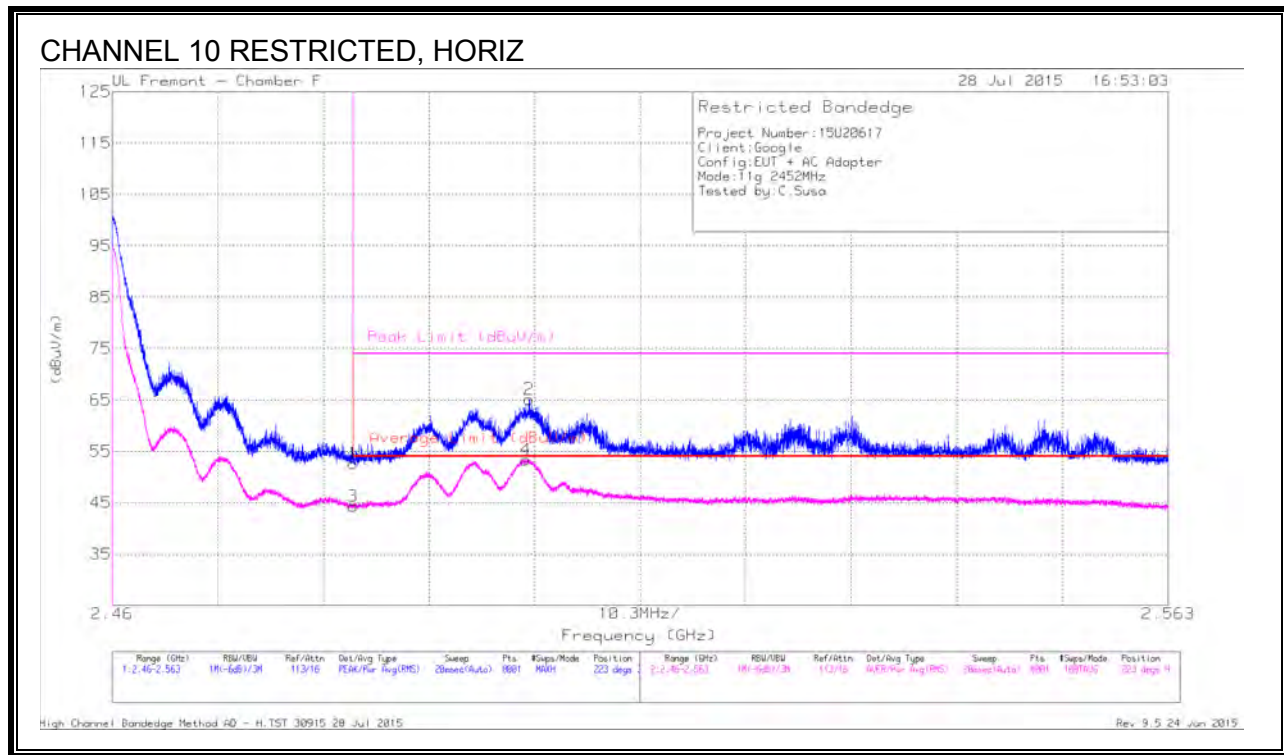
## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cbl/FI tr/Pad (dB) | DC Corr (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          | 43.53                | Pk  | 31.9           | -21                    | 0            | 54.43                      | -                      | -           | 74                  | -19.57         | 137            | 348         | V        |
| 2      | * 2.382         | 48.82                | Pk  | 31.9           | -21                    | 0            | 59.72                      | -                      | -           | 74                  | -14.28         | 137            | 348         | V        |
| 3      | * 2.39          | 33.33                | RMS | 31.9           | -21                    | .11          | 44.34                      | 54                     | -9.66       | -                   | -              | 137            | 348         | V        |
| 4      | * 2.377         | 37.55                | RMS | 31.9           | -21.1                  | .11          | 48.46                      | 54                     | -5.54       | -                   | -              | 137            | 348         | V        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

PK - Peak detector  
RMS - RMS detection

**RESTRICTED BANDEDGE (CHANNEL 9)**

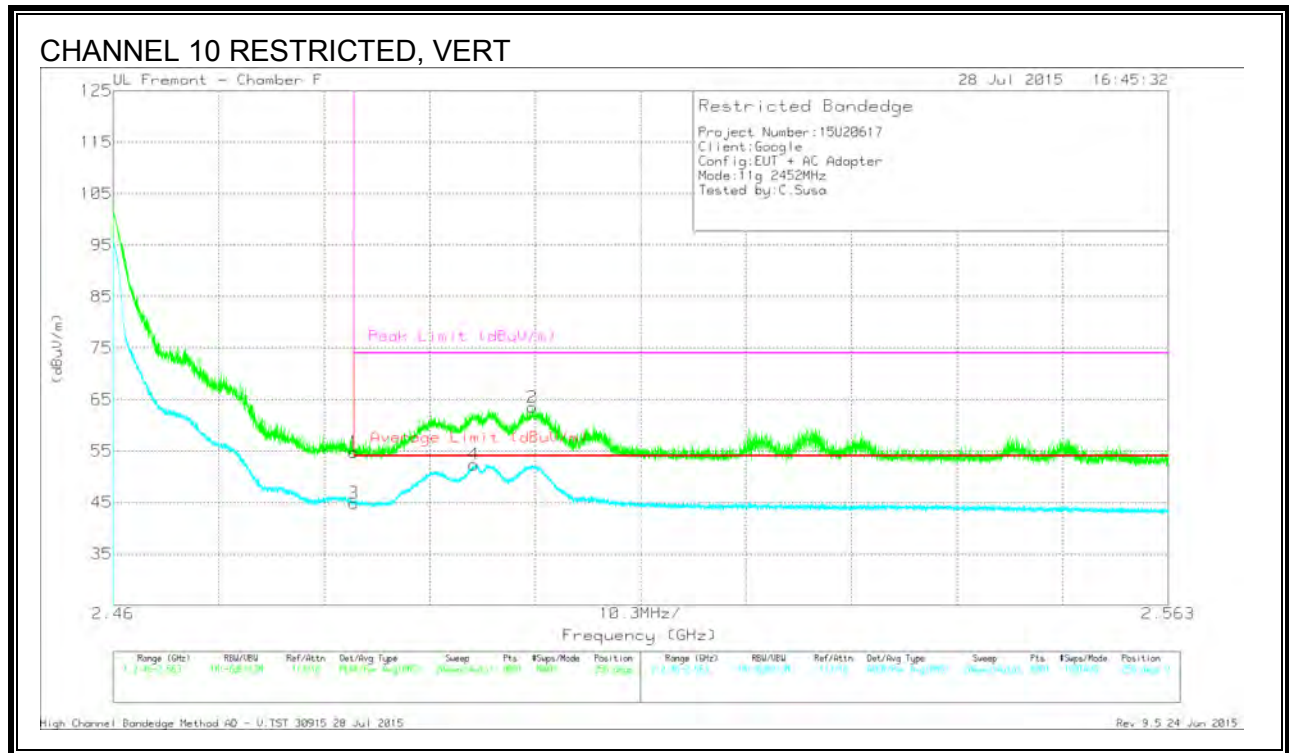


**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cbl/FI tr/Pad (dB) | DC Corr (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         | 41.54                | Pk  | 32.2           | -21.1                  | 0            | 52.64                      | -                      | -           | 74                  | -21.36         | 223            | 380         | H        |
| 2      | 2.501           | 53.93                | Pk  | 32.3           | -21.1                  | 0            | 65.13                      | -                      | -           | 74                  | -8.87          | 223            | 380         | H        |
| 3      | * 2.484         | 33.21                | RMS | 32.2           | -21.1                  | .11          | 44.42                      | 54                     | -9.58       | -                   | -              | 223            | 380         | H        |
| 4      | 2.5             | 42.18                | RMS | 32.3           | -21.1                  | .11          | 53.49                      | 54                     | -51         | -                   | -              | 223            | 380         | H        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

PK - Peak detector  
RMS - RMS detection



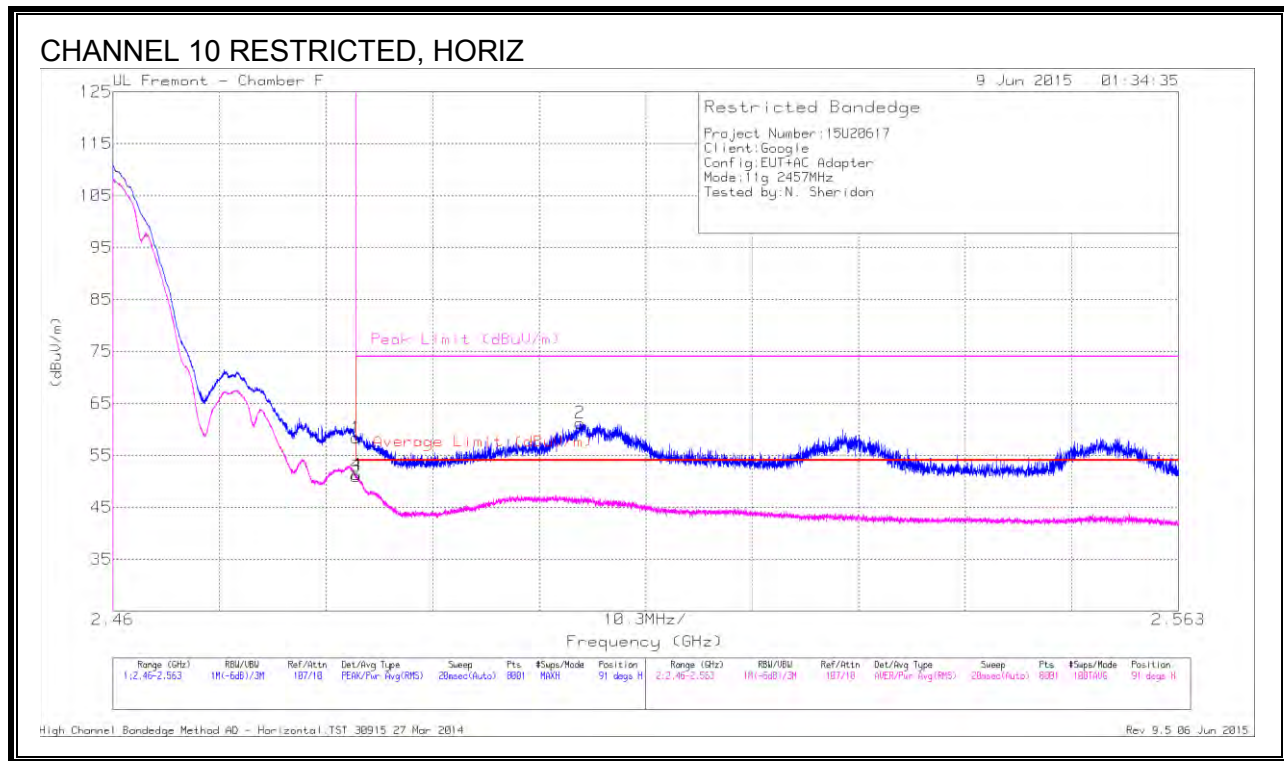
## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cbl/FI tr/Pad (dB) | DC Corr (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         | 43.66                | Pk  | 32.2           | -21.1                  | 0            | 54.76                      | -                      | -           | 74                  | -19.24         | 256            | 394         | V        |
| 2      | 2.501           | 52.33                | Pk  | 32.3           | -21.1                  | 0            | 63.53                      | -                      | -           | 74                  | -10.47         | 256            | 394         | V        |
| 3      | * 2.484         | 33.64                | RMS | 32.2           | -21.1                  | .11          | 44.85                      | 54                     | -9.15       | -                   | -              | 256            | 394         | V        |
| 4      | * 2.495         | 41.04                | RMS | 32.3           | -21.1                  | .11          | 52.35                      | 54                     | -1.65       | -                   | -              | 256            | 394         | V        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band<sup>®</sup>.

PK - Peak detector  
RMS - RMS detection

**RESTRICTED BANDEDGE (CHANNEL 10)**

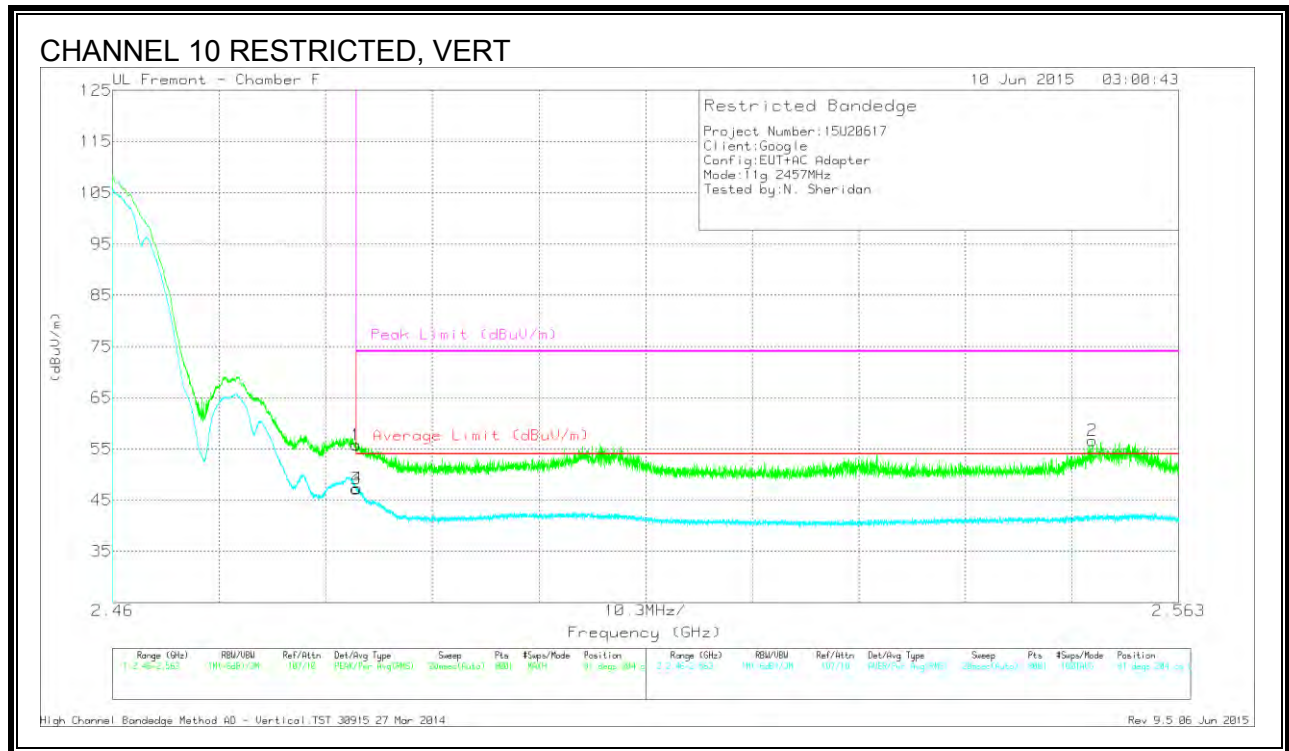


**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cbl/FI tr/Pad (dB) | DC Corr (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           | -20.9                  | 0            | 58.36                      | -                      | -           | 74                  | -15.64         | 91             | 105         | H        |
| 2      | 2.505           | 49.94                | PK  | 32.3           | -21                    | 0            | 61.24                      | -                      | -           | 74                  | -12.76         | 91             | 105         | H        |
| 3      | * 2.484         | 39.52                | RMS | 32.2           | -20.9                  | .11          | 50.93                      | 54                     | -3.07       | -                   | -              | 91             | 105         | H        |
| 4      | * 2.484         | 39.89                | RMS | 32.2           | -20.9                  | .11          | 51.3                       | 54                     | -2.7        | -                   | -              | 91             | 105         | H        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

PK - Peak detector  
RMS - RMS detection



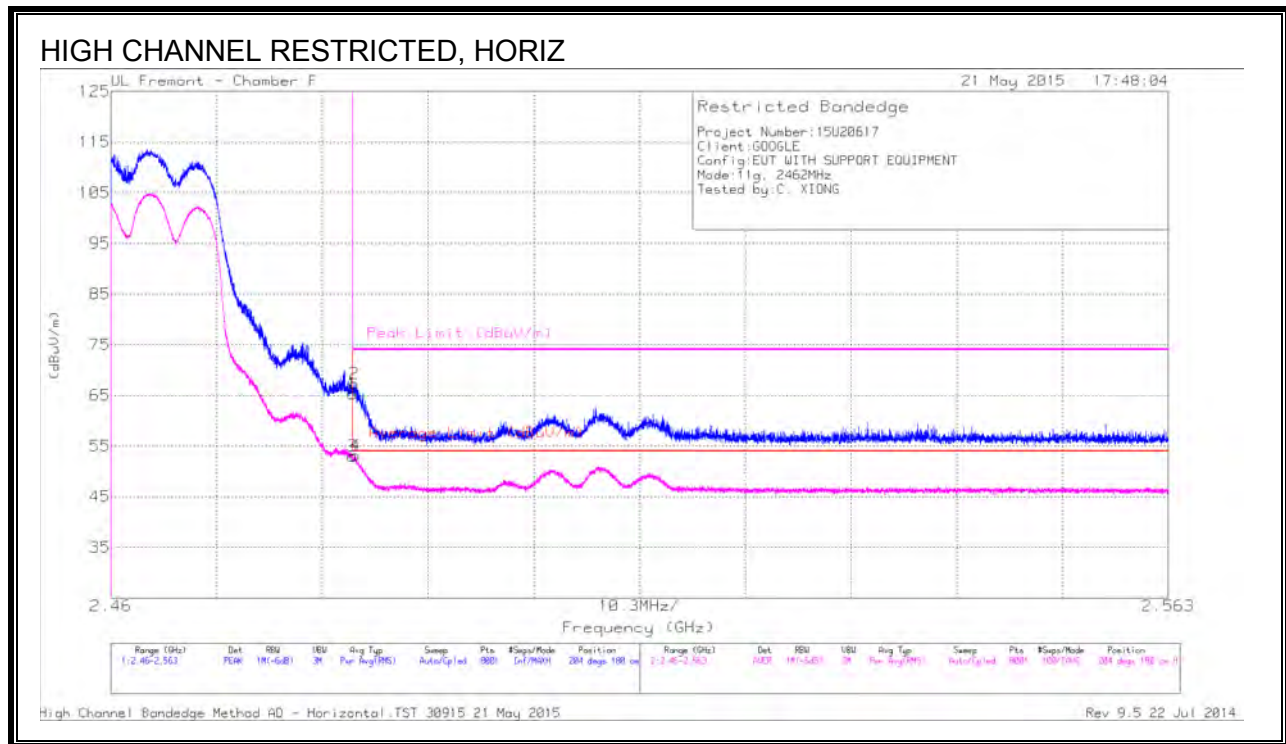
## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cbl/FI tr/Pad (dB) | DC Corr (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         | 44.51                | Pk  | 32.2           | -20.9                  | 0            | 55.81                      | -                      | -           | 74                  | -18.19         | 81             | 204         | V        |
| 2      | 2.555           | 44.87                | Pk  | 32.5           | -20.8                  | 0            | 56.57                      | -                      | -           | 74                  | -17.43         | 81             | 204         | V        |
| 3      | * 2.484         | 35.78                | RMS | 32.2           | -20.9                  | .11          | 47.19                      | 54                     | -6.81       | -                   | -              | 81             | 204         | V        |
| 4      | * 2.484         | 35.92                | RMS | 32.2           | -20.9                  | .11          | 47.33                      | 54                     | -6.67       | -                   | -              | 81             | 204         | V        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

PK - Peak detector  
RMS - RMS detection

**RESTRICTED BANDEDGE (HIGH CHANNEL)**

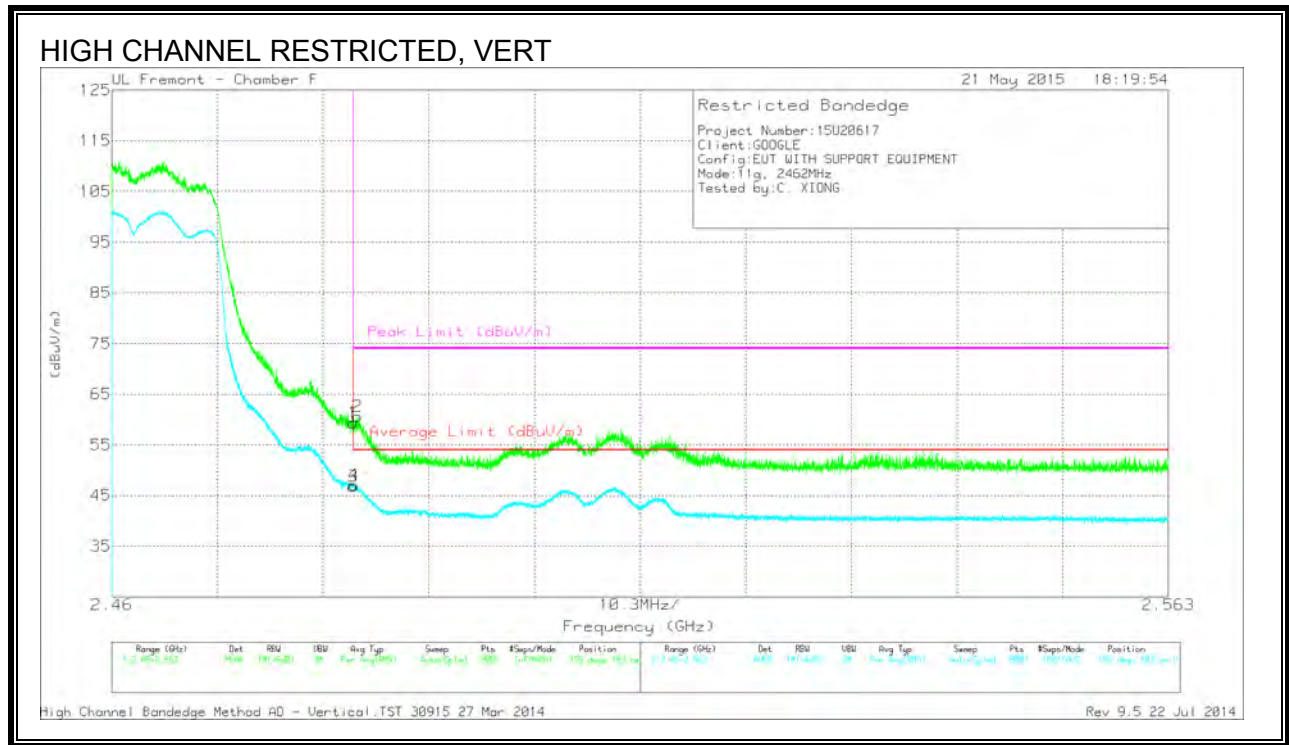


**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (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         | 53.98                | PK  | 32.2           | -20.9                  | 0            | 65.28                      | -                      | -           | 74                  | -8.72          | 204            | 180         | H        |
| 2      | * 2.484         | 56                   | PK  | 32.2           | -20.9                  | 0            | 67.3                       | -                      | -           | 74                  | -6.7           | 204            | 180         | H        |
| 3      | * 2.484         | 41.77                | RMS | 32.2           | -20.9                  | .11          | 53.18                      | 54                     | -82         | -                   | -              | 204            | 180         | H        |
| 4      | * 2.484         | 41.89                | RMS | 32.2           | -20.9                  | .11          | 53.31                      | 54                     | -69         | -                   | -              | 204            | 180         | H        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

PK - Peak detector  
RMS - RMS detection



## Trace Markers

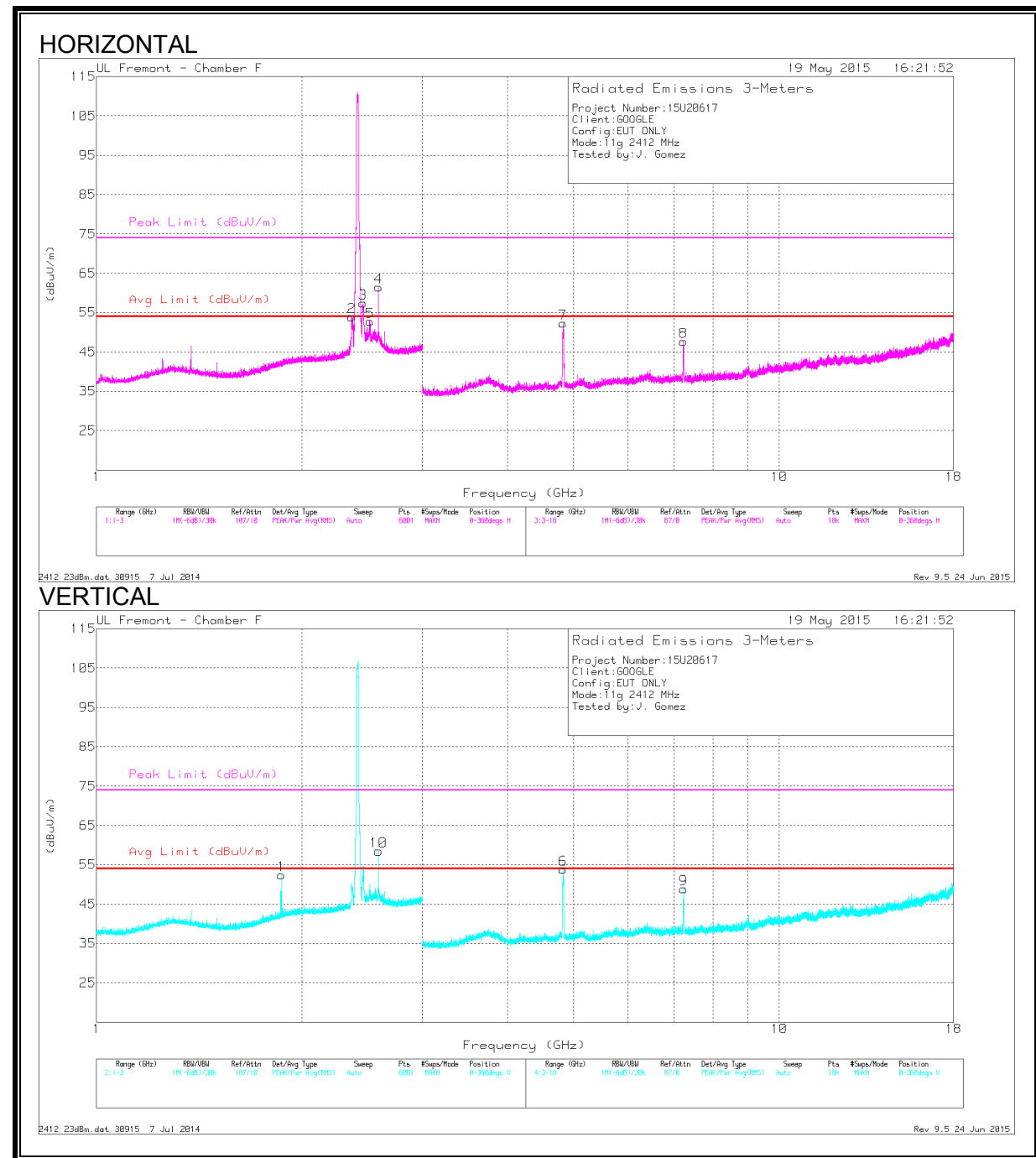
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cbl/ Filt/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 48.01                | PK  | 32.2           | -20.9                  | 0            | 59.31                      | -                      | -           | 74                  | -14.69         | 196            | 183         | V        |
| 2      | * 2.484         | 49.32                | PK  | 32.2           | -20.9                  | 0            | 60.62                      | -                      | -           | 74                  | -13.38         | 196            | 183         | V        |
| 3      | * 2.484         | 35.47                | RMS | 32.2           | -20.9                  | .11          | 46.88                      | 54                     | -7.12       | -                   | -              | 196            | 183         | V        |
| 4      | * 2.484         | 35.78                | RMS | 32.2           | -20.9                  | .11          | 47.19                      | 54                     | -6.81       | -                   | -              | 196            | 183         | V        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band<sup>®</sup>.

PK - Peak detector  
RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL



## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T120 (dB/m) | Amp/Cbl/ Filt/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 2.364         | 50.77                | PK2  | 31.9           | -20.9                  | 61.77                      | -                  | -           | 74                  | -12.23         | 190            | 137         | H        |
|        | * 2.369         | 38.25                | MAv1 | 31.9           | -20.9                  | 49.25                      | 54                 | -4.75       | -                   | -              | 190            | 137         | H        |
| 3      | 2.457           | 46.21                | Pk   | 32.1           | -20.9                  | 57.41                      | -                  | -           | 74                  | -16.59         | 0-360          | 100         | H        |
| 4      | 2.588           | 49.64                | Pk   | 32.6           | -20.8                  | 61.44                      | -                  | -           | 74                  | -12.56         | 0-360          | 201         | H        |
| 5      | 2.514           | 41.43                | Pk   | 32.3           | -21                    | 52.73                      | -                  | -           | 74                  | -21.27         | 0-360          | 201         | H        |
| 1      | 1.866           | 43.14                | Pk   | 30.9           | -21.6                  | 52.44                      | -                  | -           | 74                  | -21.56         | 0-360          | 101         | V        |
| 10     | 2.588           | 46.66                | Pk   | 32.6           | -20.8                  | 58.46                      | -                  | -           | 74                  | -15.54         | 0-360          | 201         | V        |
| 7      | * 4.823         | 56.18                | PK2  | 34.1           | -27.6                  | 62.68                      | -                  | -           | 74                  | -11.32         | 295            | 258         | H        |
|        | * 4.823         | 44.48                | MAv1 | 34.1           | -27.6                  | 50.98                      | 54                 | -3.02       | -                   | -              | 295            | 258         | H        |
| 8      | 7.232           | 38.4                 | Pk   | 35.6           | -26.3                  | 47.7                       | -                  | -           | 74                  | -26.3          | 0-360          | 201         | H        |
| 6      | * 4.822         | 55.38                | PK2  | 34.1           | -27.6                  | 61.88                      | -                  | -           | 74                  | -12.12         | 262            | 181         | V        |
|        | * 4.823         | 43.71                | MAv1 | 34.1           | -27.6                  | 50.21                      | 54                 | -3.79       | -                   | -              | 262            | 181         | V        |
| 9      | 7.242           | 39.65                | Pk   | 35.6           | -26.4                  | 48.85                      | -                  | -           | 74                  | -25.15         | 0-360          | 201         | V        |

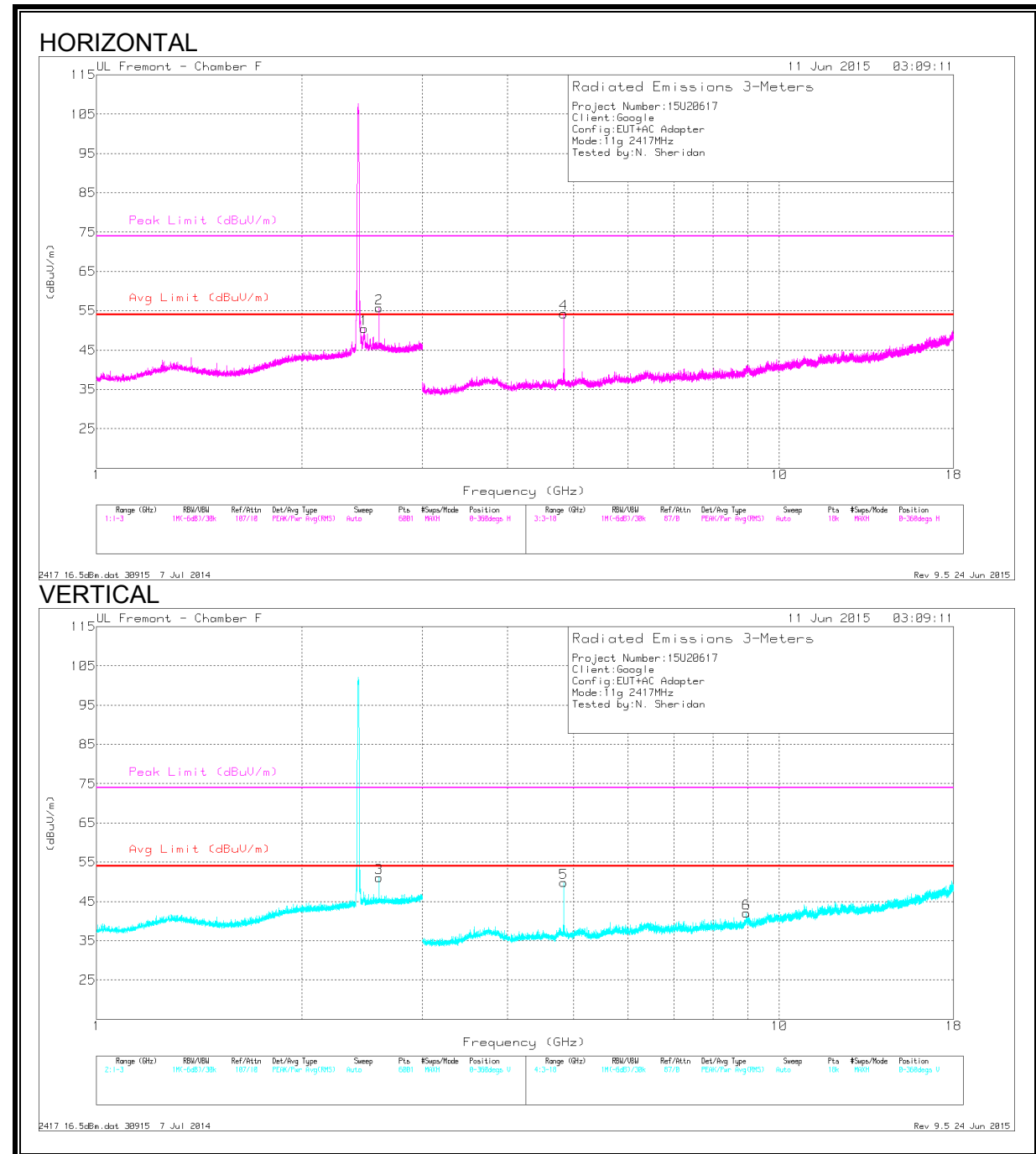
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**CHANNEL 2**



## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T120 (dB/m) | Amp/Cbl /Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m ) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-------------------------|--------------|----------------------------|--------------------|-------------|----------------------|----------------|----------------|-------------|----------|
| 1      | 2.466           | 46.23                | PK2  | 32.1           | -21                     | 0            | 57.33                      | -                  | -           | 74                   | -16.67         | 220            | 101         | H        |
| 2      | 2.591           | 43.59                | PK2  | 32.6           | -20.8                   | 0            | 55.39                      | -                  | -           | 74                   | -18.61         | 220            | 202         | H        |
| 3      | 2.593           | 42.91                | PK2  | 32.6           | -20.9                   | 0            | 54.61                      | -                  | -           | 74                   | -19.39         | 220            | 202         | V        |
| 4      | * 4.834         | 48.73                | PK2  | 34.1           | -27.7                   | 0            | 55.13                      | -                  | -           | 74                   | -18.87         | 220            | 217         | H        |
|        | * 4.834         | 46.33                | MAv1 | 34.1           | -27.7                   | .11          | 52.84                      | 54                 | -1.16       | -                    | -              | 220            | 217         | H        |
| 5      | * 4.834         | 44.38                | PK2  | 34.1           | -27.7                   | 0            | 50.78                      | -                  | -           | 74                   | -23.22         | 220            | 202         | V        |
|        | * 4.834         | 40.33                | MAv1 | 34.1           | -27.7                   | .11          | 46.84                      | 54                 | -7.16       | -                    | -              | 220            | 202         | V        |
| 6      | 8.94            | 34.83                | PK2  | 36.1           | -22.4                   | 0            | 48.53                      | -                  | -           | 74                   | -25.47         | 220            | 101         | V        |

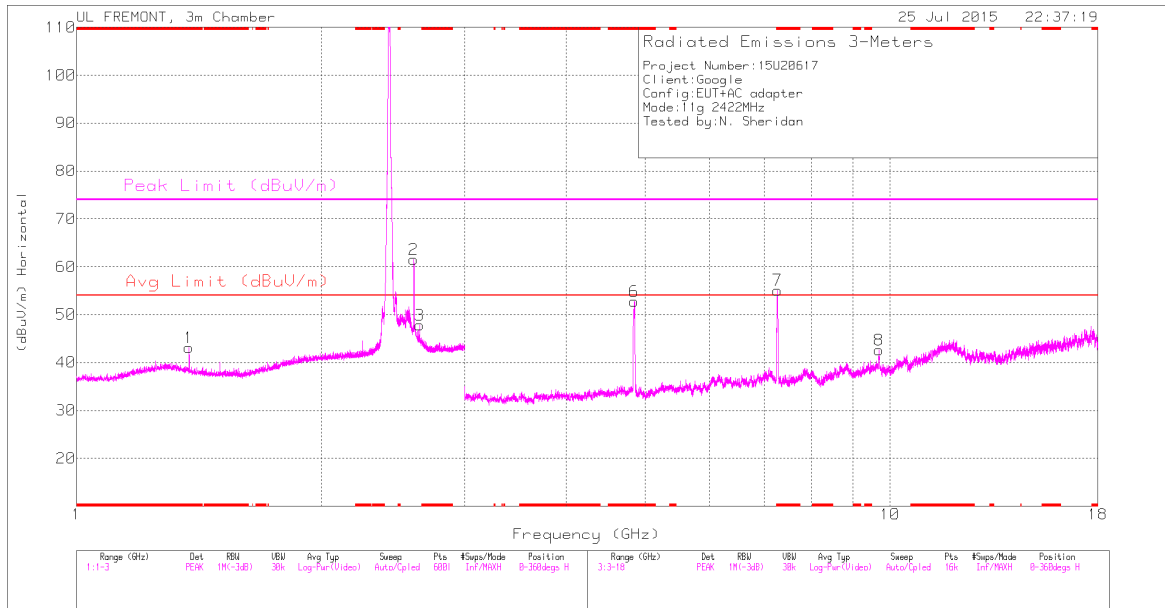
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**CHANNEL 3**

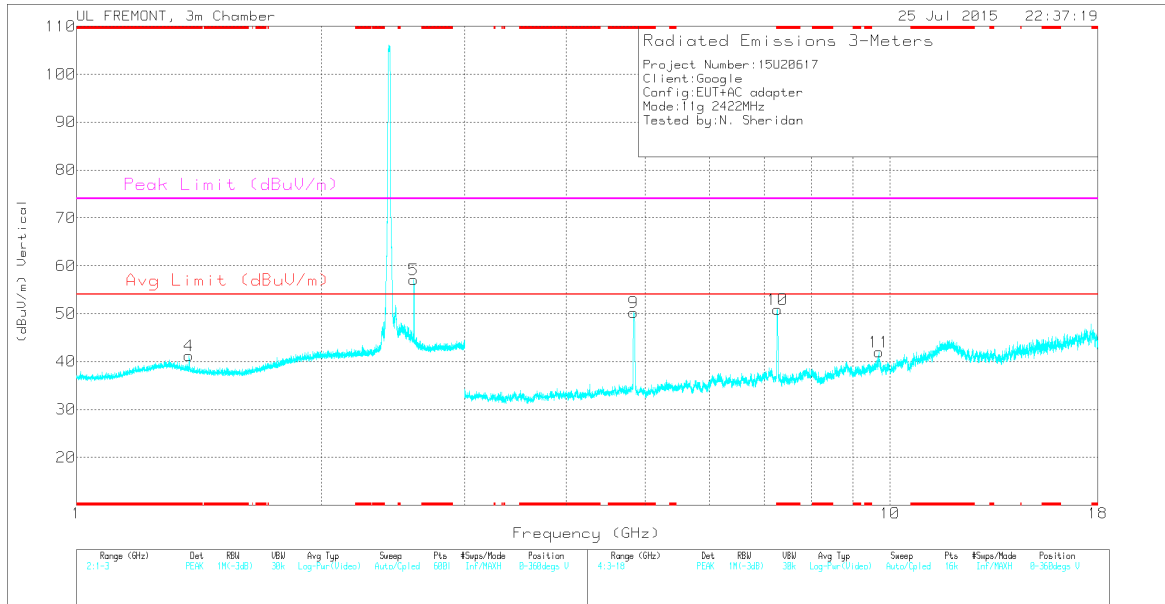
**HORIZONTAL**



FCC Part15 Subpart C 2400MHz Spurious Emissions with Average Scan.TST 39763 12 Jun 2014

Rev 9.5 22 Jul 2014

**VERTICAL**



FCC Part15 Subpart C 2400MHz Spurious Emissions with Average Scan.TST 39763 12 Jun 2014

Rev 9.5 22 Jul 2014

## Trace Markers

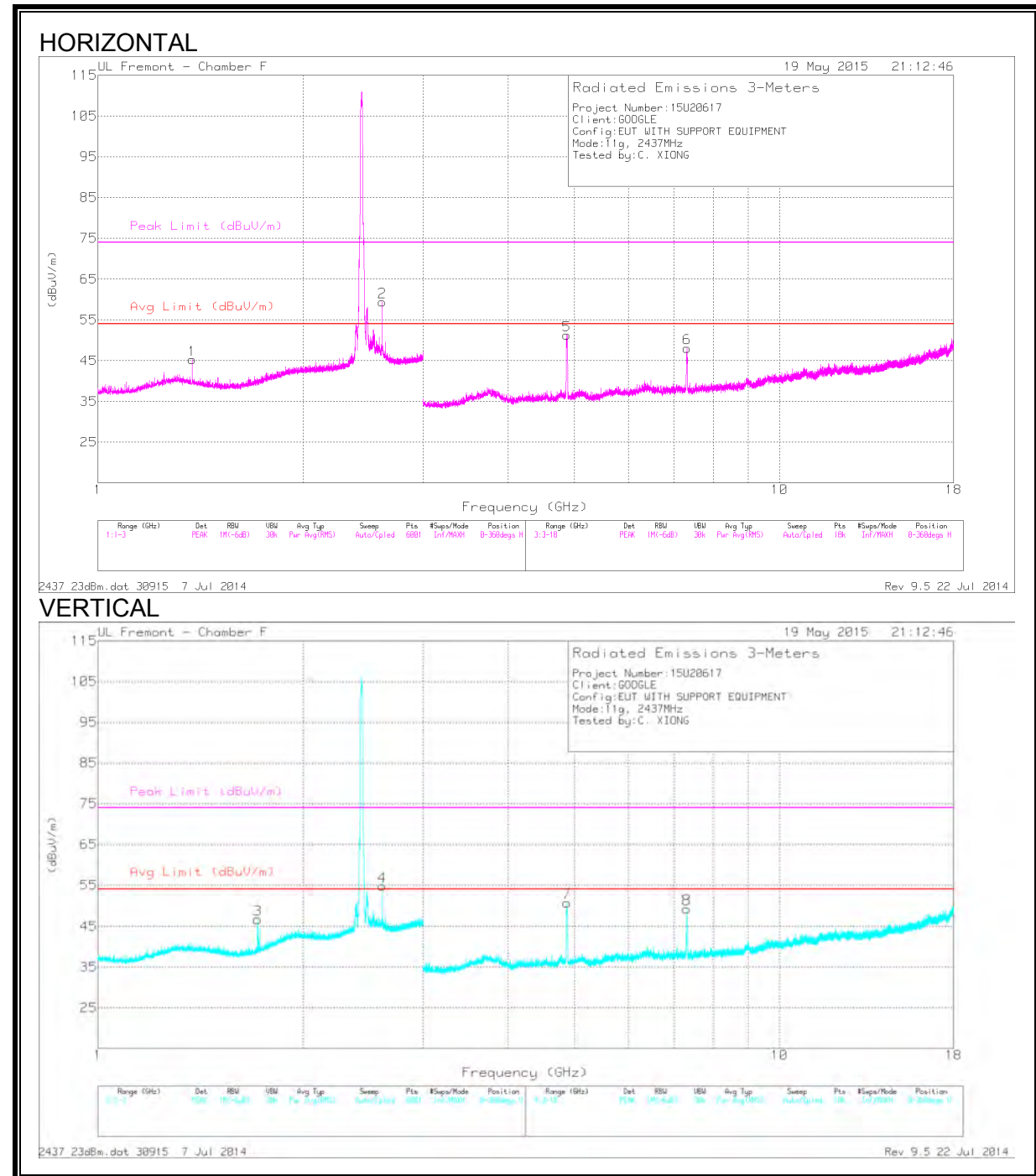
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T119 (dB/m) | Amp/Cbl /Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.375         | 45.43                | PK2  | 28.9           | -23.2                 | 0            | 51.13                      | -                  | -           | 74                  | -22.87         | 200            | 217         | H        |
|        | * 1.375         | 38.07                | MAv1 | 28.9           | -23.2                 | .11          | 43.88                      | 54                 | -10.12      | -                   | -              | 200            | 217         | H        |
| 4      | * 1.375         | 43.19                | PK2  | 28.9           | -23.2                 | 0            | 48.89                      | -                  | -           | 74                  | -25.11         | 189            | 197         | V        |
|        | * 1.375         | 32.84                | MAv1 | 28.9           | -23.2                 | .11          | 38.65                      | 54                 | -15.35      | -                   | -              | 189            | 197         | V        |
| 6      | * 7.27          | 61.46                | PK2  | 35.6           | -28.4                 | 0            | 68.66                      | -                  | -           | 74                  | -5.34          | 339            | 355         | H        |
|        | * 7.27          | 45.97                | MAv1 | 35.6           | -28.4                 | .11          | 53.28                      | 54                 | -7.72       | -                   | -              | 339            | 355         | H        |
| 7      | * 4.844         | 60.01                | PK2  | 34             | -29.3                 | 0            | 64.71                      | -                  | -           | 74                  | -9.29          | 315            | 323         | H        |
|        | * 4.844         | 48.59                | MAv1 | 34             | -29.3                 | .11          | 53.4                       | 54                 | -6          | -                   | -              | 315            | 323         | H        |
| 9      | * 4.84          | 58.94                | PK2  | 34             | -29.4                 | 0            | 63.54                      | -                  | -           | 74                  | -10.46         | 308            | 293         | V        |
|        | * 4.84          | 45.54                | MAv1 | 34             | -29.4                 | .11          | 50.25                      | 54                 | -3.75       | -                   | -              | 308            | 293         | V        |
| 10     | * 7.272         | 48.15                | PK2  | 35.6           | -28.4                 | 0            | 55.35                      | -                  | -           | 74                  | -18.65         | 306            | 322         | V        |
|        | * 7.272         | 35.12                | MAv1 | 35.6           | -28.4                 | .11          | 42.43                      | 54                 | -11.57      | -                   | -              | 306            | 322         | V        |
| 2      | 2.598           | 50.85                | PK2  | 32.4           | -22                   | 0            | 61.25                      | -                  | -           | -                   | -              | 201            | 203         | H        |
| 5      | 2.598           | 46.89                | PK2  | 32.4           | -22                   | 0            | 57.29                      | -                  | -           | -                   | -              | 211            | 222         | V        |
| 3      | 2.64            | 46.32                | PK2  | 32.4           | -22                   | 0            | 56.72                      | -                  | -           | -                   | -              | 189            | 208         | H        |
| 11     | 9.683           | 36.36                | PK2  | 36.8           | -23.7                 | 0            | 49.46                      | -                  | -           | -                   | -              | 316            | 257         | V        |
| 8      | 9.688           | 36.85                | PK2  | 36.8           | -23.7                 | 0            | 49.95                      | -                  | -           | -                   | -              | 317            | 282         | H        |

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**MID CHANNEL**



## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T120 (dB/m) | Amp/Cbl/ Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.375         | 45.25                | PK2  | 29.3           | -22.1                 | 0            | 52.45                      | -                  | -           | 74                  | -21.55         | 201            | 232         | H        |
|        | * 1.375         | 36.75                | MAv1 | 29.3           | -22.1                 | .11          | 44.06                      | 54                 | -9.94       | -                   | -              | 201            | 232         | H        |
| 2      | 2.613           | 47.61                | PK   | 32.6           | -20.8                 | 0            | 59.41                      | -                  | -           | -                   | -              | 0-360          | 101         | H        |
| 3      | 1.716           | 39.32                | PK   | 29.1           | -21.7                 | 0            | 46.72                      | -                  | -           | -                   | -              | 0-360          | 201         | V        |
| 4      | 2.613           | 42.94                | PK   | 32.6           | -20.8                 | 0            | 54.74                      | -                  | -           | -                   | -              | 0-360          | 201         | V        |
| 5      | * 4.878         | 57.2                 | PK2  | 34.1           | -27.8                 | 0            | 63.5                       | -                  | -           | 74                  | -10.5          | 303            | 309         | H        |
|        | * 4.873         | 45.56                | MAv1 | 34.1           | -27.8                 | .11          | 51.97                      | 54                 | -2.03       | -                   | -              | 303            | 309         | H        |
| 6      | * 7.314         | 56.74                | PK2  | 35.7           | -26.3                 | 0            | 66.14                      | -                  | -           | 74                  | -7.86          | 347            | 165         | H        |
|        | * 7.314         | 43.68                | MAv1 | 35.7           | -26.3                 | .11          | 53.19                      | 54                 | -.81        | -                   | -              | 347            | 165         | H        |
| 7      | * 4.879         | 54.7                 | PK2  | 34.1           | -27.8                 | 0            | 61                         | -                  | -           | 74                  | -13            | 269            | 346         | V        |
|        | * 4.878         | 43.34                | MAv1 | 34.1           | -27.8                 | .11          | 49.75                      | 54                 | -4.25       | -                   | -              | 269            | 346         | V        |
| 8      | * 7.308         | 56.55                | PK2  | 35.7           | -26.3                 | 0            | 65.95                      | -                  | -           | 74                  | -8.05          | 70             | 287         | V        |
|        | * 7.308         | 43.29                | MAv1 | 35.7           | -26.3                 | .11          | 52.80                      | 54                 | -1.2        | -                   | -              | 70             | 287         | V        |

\* - indicates frequency in CFR 47, Part 15.

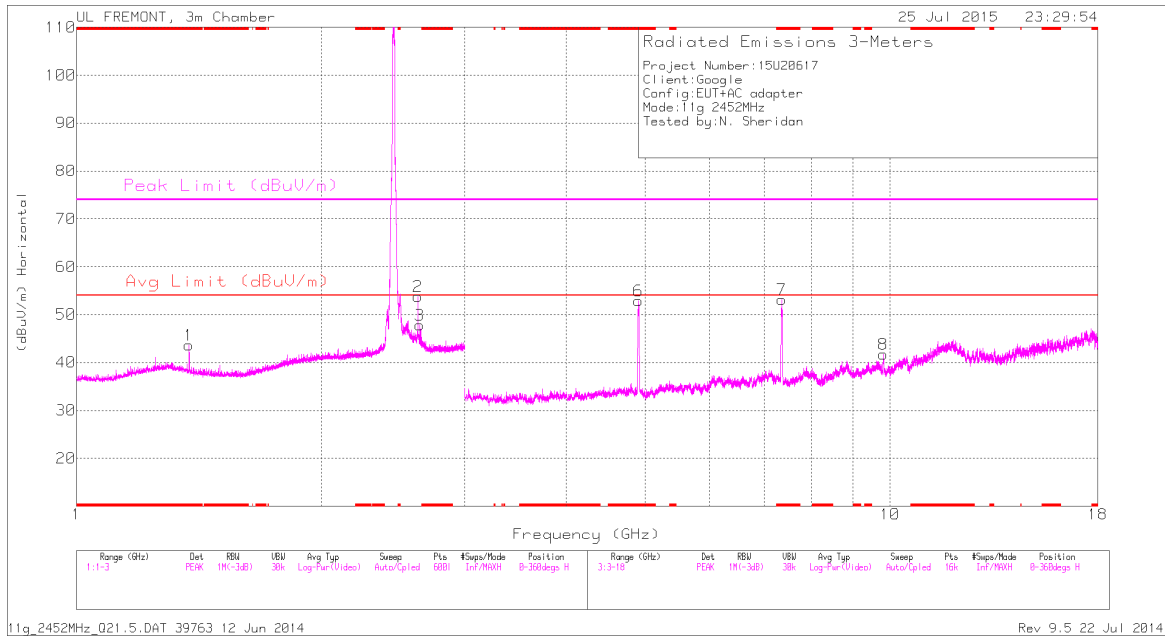
PK - Peak detector

PK2 - KDB558074 Method: Maximum Peak

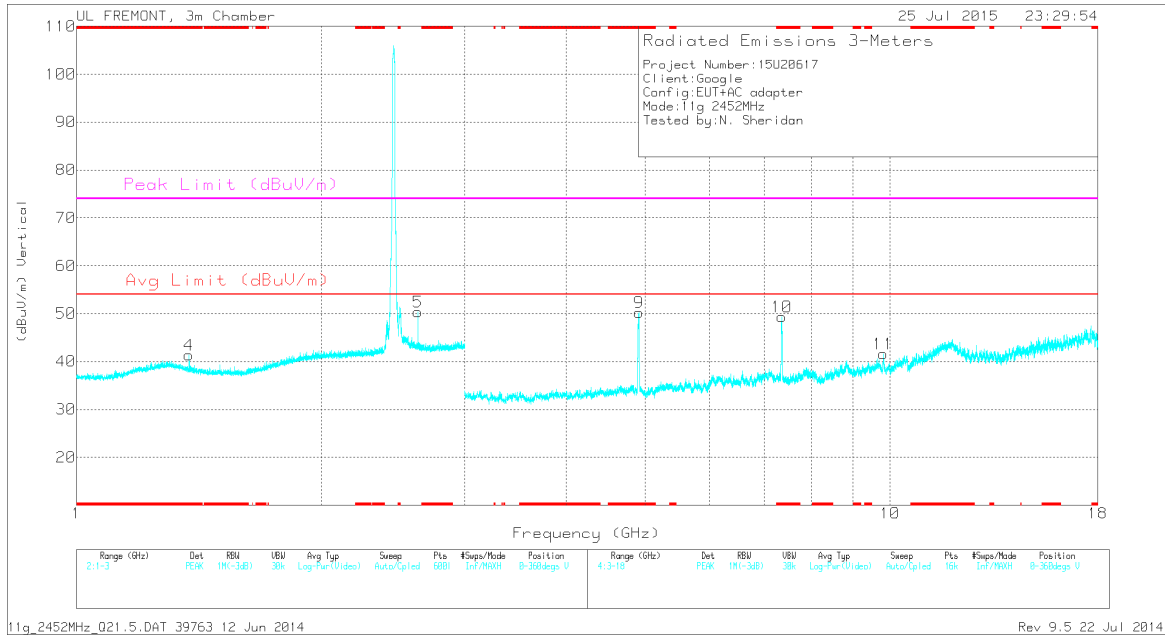
MAv1 - KDB558074 Option 1 Maximum RMS Average

**CHANNEL 9**

**HORIZONTAL**



**VERTICAL**



## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T119 (dB/m) | Amp/Cbl /Filt/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.375         | 46.33                | PK2  | 28.9           | -23.2                  | 0            | 52.03                      | -                  | -           | 74                  | -21.97         | 204            | 216         | H        |
|        | * 1.375         | 38.24                | MAv1 | 28.9           | -23.2                  | .11          | 44.05                      | 54                 | -9.95       | -                   | -              | 204            | 216         | H        |
| 4      | * 1.376         | 42.63                | PK2  | 28.9           | -23.2                  | 0            | 48.33                      | -                  | -           | 74                  | -25.67         | 221            | 228         | V        |
|        | * 1.375         | 31.21                | MAv1 | 28.9           | -23.2                  | .11          | 37.02                      | 54                 | -16.98      | -                   | -              | 221            | 228         | V        |
| 6      | * 7.36          | 60.3                 | PK2  | 35.6           | -27.5                  | 0            | 68.4                       | -                  | -           | 74                  | -5.6           | 341            | 335         | H        |
|        | * 7.36          | 45.05                | MAv1 | 35.6           | -27.5                  | .11          | 53.26                      | 54                 | -7.74       | -                   | -              | 341            | 335         | H        |
| 7      | * 4.908         | 61.24                | PK2  | 34             | -29.5                  | 0            | 65.74                      | -                  | -           | 74                  | -8.26          | 306            | 381         | H        |
|        | * 4.908         | 49.35                | MAv1 | 34             | -29.5                  | .11          | 53.96                      | 54                 | -0.04       | -                   | -              | 306            | 381         | H        |
| 9      | * 4.91          | 56.51                | PK2  | 34             | -29.5                  | 0            | 61.01                      | -                  | -           | 74                  | -12.99         | 313            | 277         | V        |
|        | * 4.91          | 43.73                | MAv1 | 34             | -29.5                  | .11          | 48.34                      | 54                 | -5.66       | -                   | -              | 313            | 277         | V        |
| 10     | * 7.36          | 48.54                | PK2  | 35.6           | -27.5                  | 0            | 56.64                      | -                  | -           | 74                  | -17.36         | 323            | 262         | V        |
|        | * 7.36          | 34.18                | MAv1 | 35.6           | -27.5                  | .11          | 42.39                      | 54                 | -11.61      | -                   | -              | 323            | 262         | V        |
| 2      | 2.628           | 43.35                | PK2  | 32.4           | -22                    | 0            | 53.75                      | -                  | -           | -                   | -              | 208            | 225         | H        |
| 5      | 2.628           | 43.15                | PK2  | 32.4           | -22                    | 0            | 53.55                      | -                  | -           | -                   | -              | 209            | 194         | V        |
| 3      | 2.64            | 46.24                | PK2  | 32.4           | -22                    | 0            | 56.64                      | -                  | -           | -                   | -              | 219            | 233         | H        |
| 8      | 9.811           | 37.25                | PK2  | 36.9           | -24.7                  | 0            | 49.45                      | -                  | -           | -                   | -              | 315            | 288         | H        |
| 11     | 9.812           | 37.54                | PK2  | 36.9           | -24.8                  | 0            | 49.64                      | -                  | -           | -                   | -              | 320            | 293         | V        |

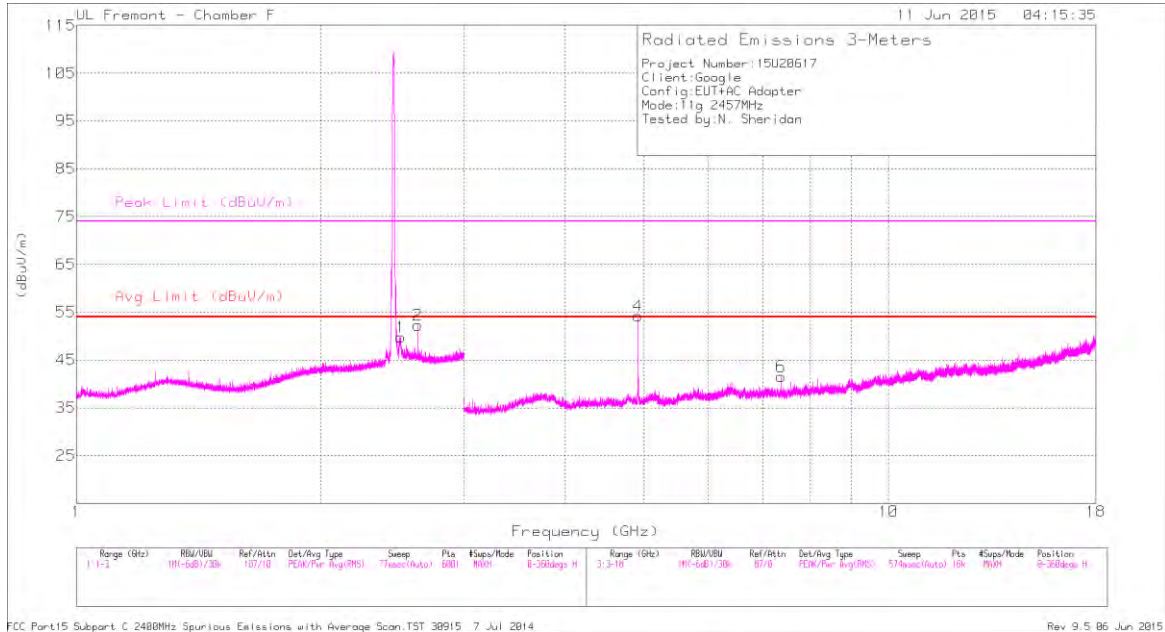
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

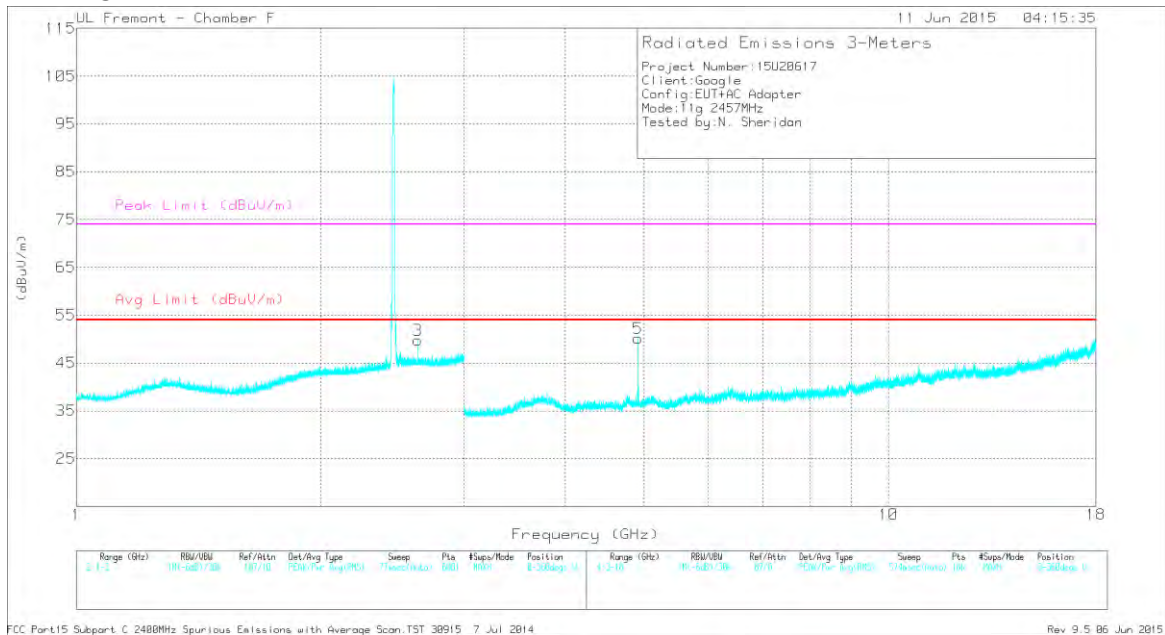
MAv1 - KDB558074 Option 1 Maximum RMS Average

**CHANNEL 10**

**HORIZONTAL**



**VERTICAL**



## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T120 (dB/m) | Amp/Cbl /Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 2.51            | 45.94                | PK2  | 32.3           | -21                   | 0            | 57.24                      | -                  | -           | 74                  | -16.76         | 219            | 101         | H        |
| 2      | 2.633           | 42.87                | PK2  | 32.7           | -20.7                 | 0            | 54.87                      | -                  | -           | 74                  | -19.13         | 219            | 101         | H        |
| 3      | 2.633           | 41.91                | PK2  | 32.7           | -20.7                 | 0            | 53.91                      | -                  | -           | 74                  | -20.09         | 219            | 201         | V        |
| 4      | * 4.914         | 50.17                | PK2  | 34.1           | -28.5                 | 0            | 55.77                      | -                  | -           | 74                  | -18.23         | 219            | 225         | H        |
|        | * 4.914         | 47.72                | MAv1 | 34.1           | -28.5                 | .11          | 53.43                      | 54                 | -.57        | -                   | -              | 219            | 225         | H        |
| 6      | * 7.369         | 37.81                | PK2  | 35.7           | -26                   | 0            | 47.51                      | -                  | -           | 74                  | -26.49         | 219            | 201         | H        |
|        | * 7.372         | 26.69                | MAv1 | 35.7           | -26                   | .11          | 36.5                       | 54                 | -17.5       | -                   | -              | 219            | 201         | H        |
| 5      | * 4.914         | 43.66                | PK2  | 34.1           | -28.5                 | 0            | 49.26                      | -                  | -           | 74                  | -24.74         | 219            | 102         | V        |
|        | * 4.914         | 38.44                | MAv1 | 34.1           | -28.5                 | .11          | 44.15                      | 54                 | -9.85       | -                   | -              | 219            | 102         | V        |

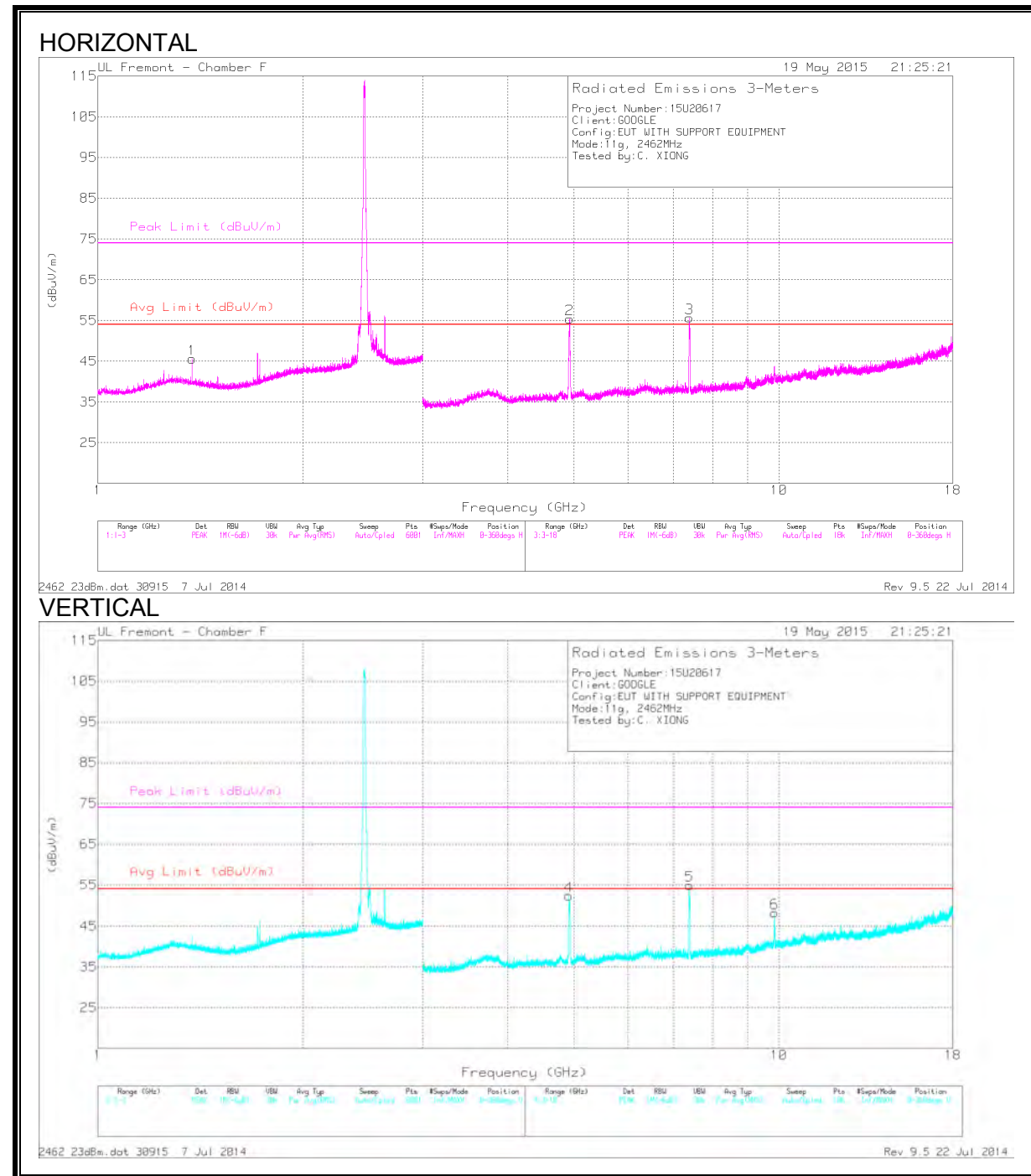
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**HIGH CHANNEL**



## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T120 (dB/m) | Amp/Cbl/ Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.375         | 44.83                | PK2  | 29.3           | -22.1                  | 0            | 52.03                      | -                  | -           | 74                  | -21.97         | 198            | 234         | H        |
|        | * 1.375         | 36.98                | MAv1 | 29.3           | -22.1                  | .11          | 44.29                      | 54                 | -9.71       | -                   | -              | 198            | 234         | H        |
| 2      | * 4.927         | 57.12                | PK2  | 34.1           | -28.7                  | 0            | 62.52                      | -                  | -           | 74                  | -11.48         | 288            | 307         | H        |
|        | * 4.927         | 44.6                 | MAv1 | 34.1           | -28.7                  | .11          | 50.11                      | 54                 | -3.89       | -                   | -              | 288            | 307         | H        |
| 3      | * 7.385         | 55.88                | PK2  | 35.7           | -25.7                  | 0            | 65.88                      | -                  | -           | 74                  | -8.12          | 335            | 322         | H        |
|        | * 7.385         | 40.93                | MAv1 | 35.7           | -25.7                  | .11          | 51.04                      | 54                 | -2.96       | -                   | -              | 335            | 322         | H        |
| 4      | * 4.919         | 54.33                | PK2  | 34.1           | -28.6                  | 0            | 59.83                      | -                  | -           | 74                  | -14.17         | 262            | 295         | V        |
|        | * 4.918         | 41.87                | MAv1 | 34.1           | -28.6                  | .11          | 47.48                      | 54                 | -6.52       | -                   | -              | 262            | 295         | V        |
| 5      | * 7.393         | 55.63                | PK2  | 35.7           | -25.6                  | 0            | 65.73                      | -                  | -           | 74                  | -8.27          | 70             | 297         | V        |
|        | * 7.393         | 41.66                | MAv1 | 35.7           | -25.6                  | .11          | 51.87                      | 54                 | -2.13       | -                   | -              | 70             | 297         | V        |
| 6      | 9.856           | 39.33                | PK2  | 37.2           | -22                    | 0            | 54.53                      | -                  | -           | -                   | -              | 70             | 297         | V        |

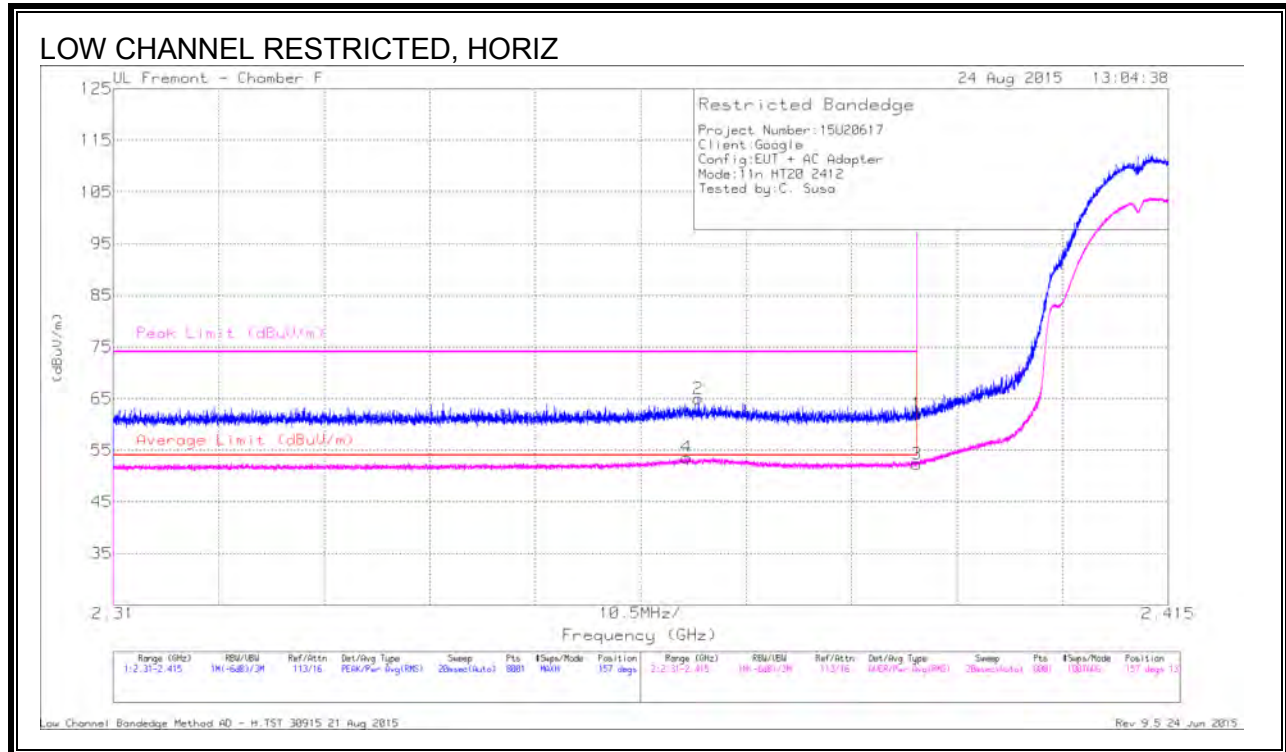
\* - indicates frequency in CFR 47, Part 15.

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

## 9.2.3. TX ABOVE 1 GHz 802.11n HT20 2TX MODE IN THE 2.4 GHz BAND

### RESTRICTED BANDEDGE (LOW CHANNEL)

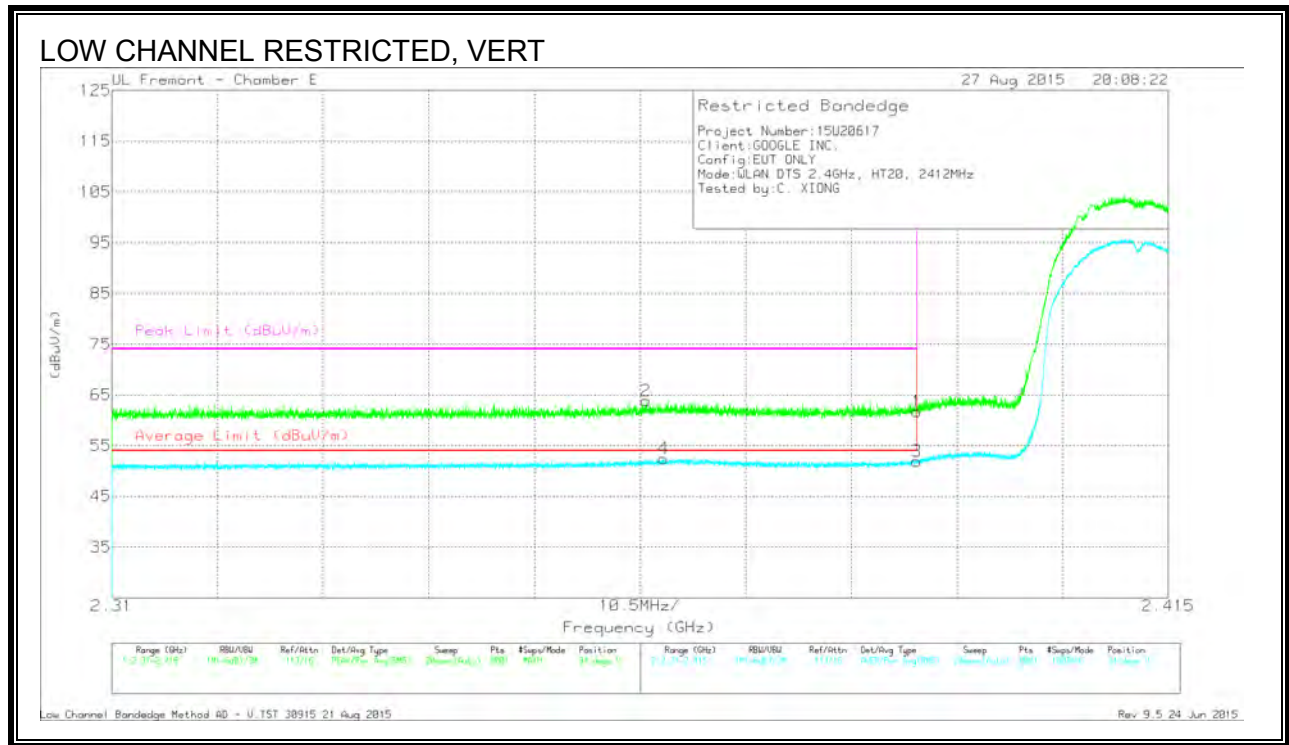


### Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dBm) | Amp/Cbl/FI tr/Pad (dB) | 10dB Pad | DC Corr (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          | 41.18                | Pk  | 31.9          | -21                    | 10       | 0            | 62.08                      | -                      | -           | 74                  | -11.92         | 157            | 137         | H        |
| 2      | * 2.368         | 44.1                 | Pk  | 31.9          | -21                    | 10       | 0            | 65                         | -                      | -           | 74                  | -9             | 157            | 137         | H        |
| 3      | * 2.39          | 31.28                | RMS | 31.9          | -21                    | 10       | .12          | 52.3                       | 54                     | -1.7        | -                   | -              | 157            | 137         | H        |
| 4      | * 2.367         | 32.6                 | RMS | 31.9          | -21                    | 10       | .12          | 53.62                      | 54                     | -.38        | -                   | -              | 157            | 137         | H        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

PK - Peak detector  
RMS - RMS detection



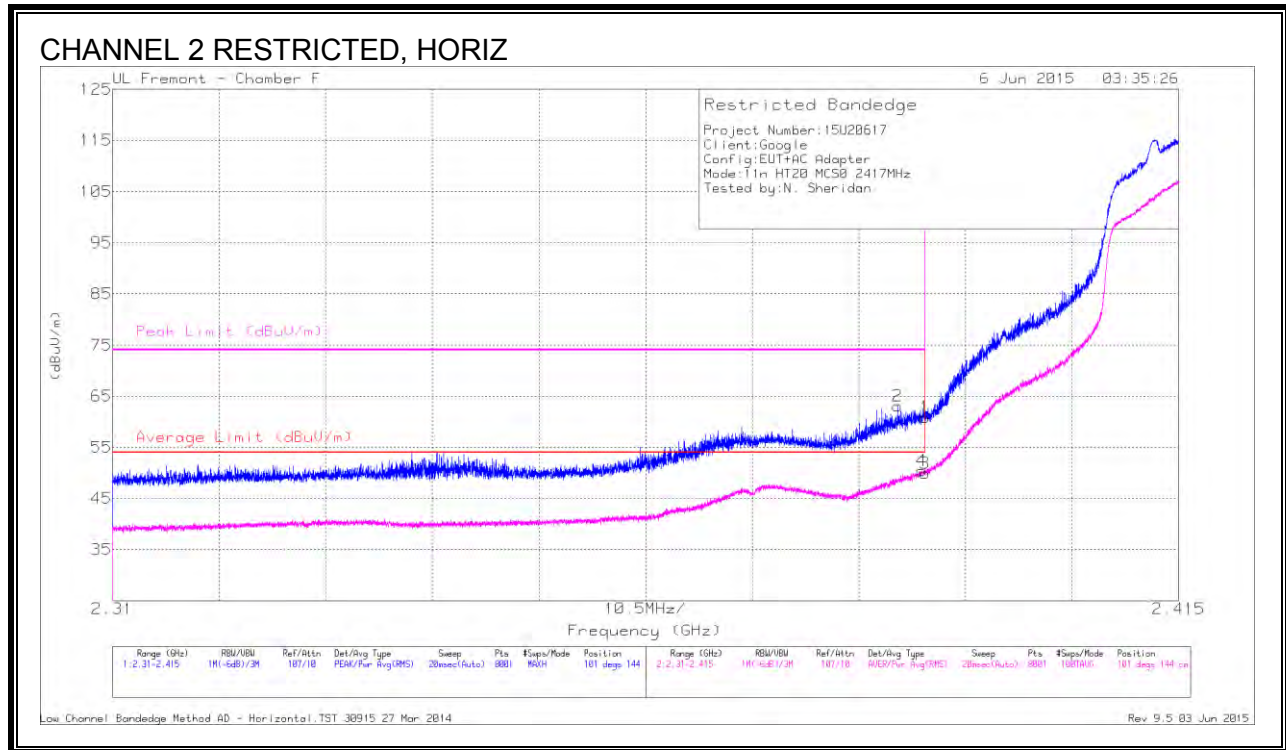
## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T346 (dB/m) | Ampl/CbI/FI tr/Pad (dB) | 10dB Pad | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 42.86                | Pk  | 32.1           | -23.2                   | 10       | 0            | 61.76                      | -                      | -           | 74                  | -12.24         | 34             | 368         | V        |
| 2      | * 2.363         | 45.07                | Pk  | 32             | -23.2                   | 10       | 0            | 63.87                      | -                      | -           | 74                  | -10.13         | 34             | 368         | V        |
| 3      | * 2.39          | 32.86                | RMS | 32.1           | -23.2                   | 10       | .12          | 51.88                      | 54                     | -2.12       | -                   | -              | 34             | 368         | V        |
| 4      | * 2.365         | 33.44                | RMS | 32             | -23.1                   | 10       | .12          | 52.46                      | 54                     | -1.54       | -                   | -              | 34             | 368         | V        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

PK - Peak detector  
RMS - RMS detection

## RESTRICTED BANDEDGE (CHANNEL 2)

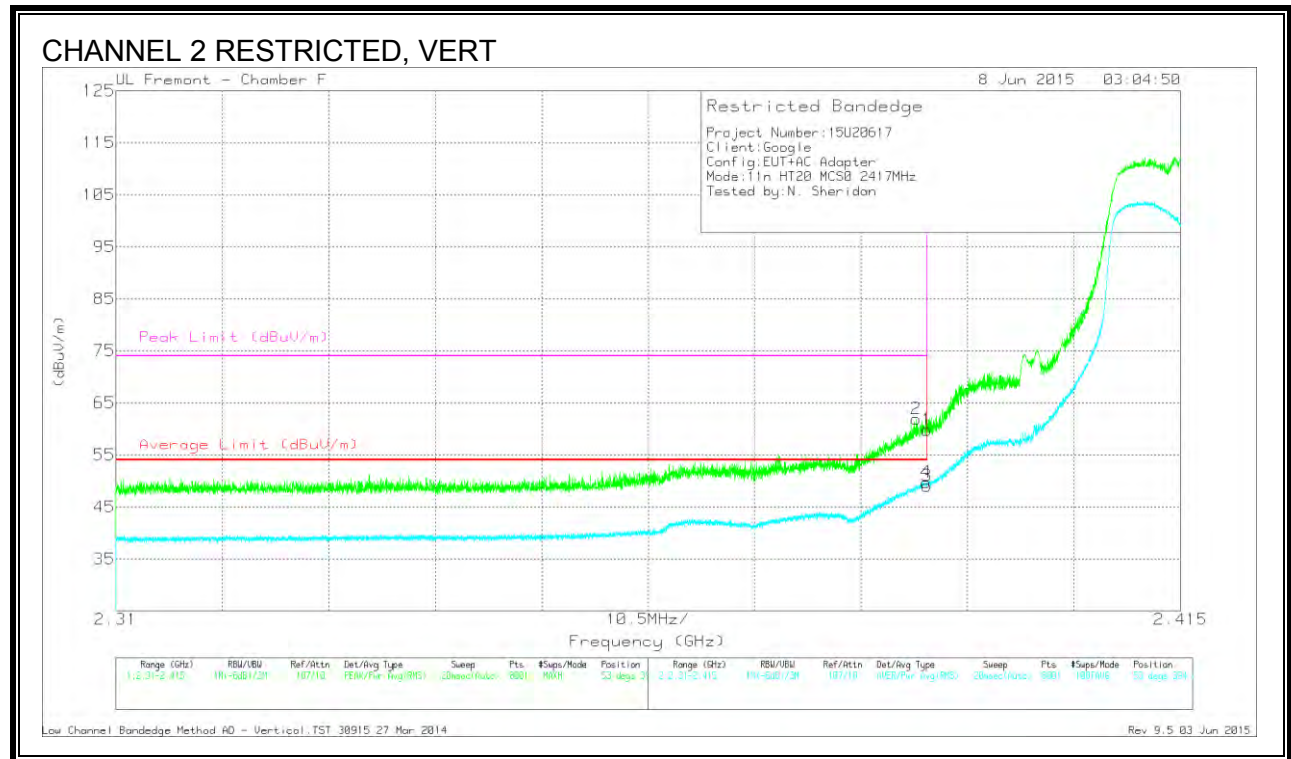


## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cbl/FI tr/Pad (dB) | DC Corr (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          | 49.84                | Pk  | 31.9           | -20.9                  | 0            | 60.84                      | -                      | -           | 74                  | -13.16         | 101            | 144         | H        |
| 2      | * 2.387         | 52.04                | Pk  | 31.9           | -20.9                  | 0            | 63.04                      | -                      | -           | 74                  | -10.96         | 101            | 144         | H        |
| 3      | * 2.39          | 38.76                | RMS | 31.9           | -20.9                  | .12          | 49.88                      | 54                     | -4.12       | -                   | -              | 101            | 144         | H        |
| 4      | * 2.39          | 39.33                | RMS | 31.9           | -20.9                  | .12          | 50.45                      | 54                     | -3.55       | -                   | -              | 101            | 144         | H        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

PK - Peak detector  
RMS - RMS detection



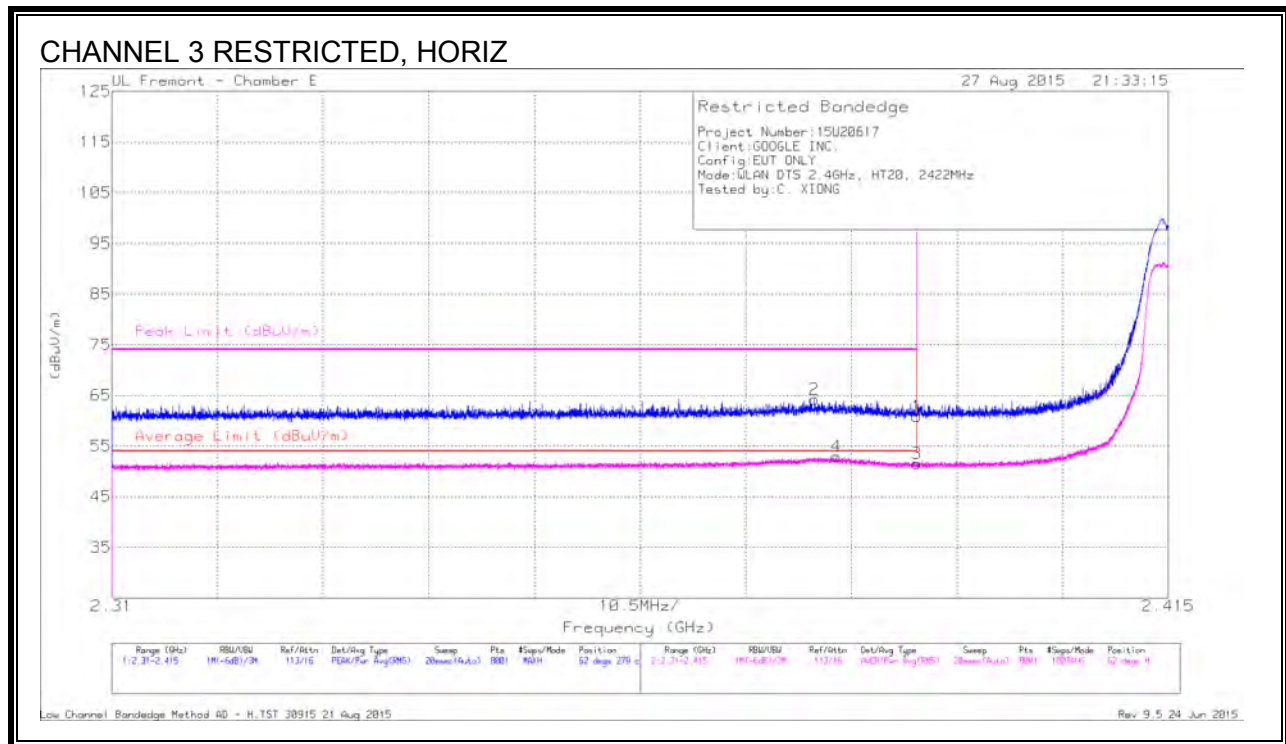
## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cb/F1 tri/Pad (dB) | DC Corr (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          | 48.8                 | Pk  | 31.9           | -20.9                  | 0            | 59.8                       | -                      | -           | 74                  | -14.2          | 53             | 394         | V        |
| 2      | * 2.389         | 50.92                | Pk  | 31.9           | -20.9                  | 0            | 61.92                      | -                      | -           | 74                  | -12.08         | 53             | 394         | V        |
| 3      | * 2.39          | 37.95                | RMS | 31.9           | -20.9                  | .12          | 49.07                      | 54                     | -4.93       | -                   | -              | 53             | 394         | V        |
| 4      | * 2.39          | 38.62                | RMS | 31.9           | -20.9                  | .12          | 49.74                      | 54                     | -4.26       | -                   | -              | 53             | 394         | V        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

PK - Peak detector  
RMS - RMS detection

**RESTRICTED BANDEDGE (CHANNEL 3)**

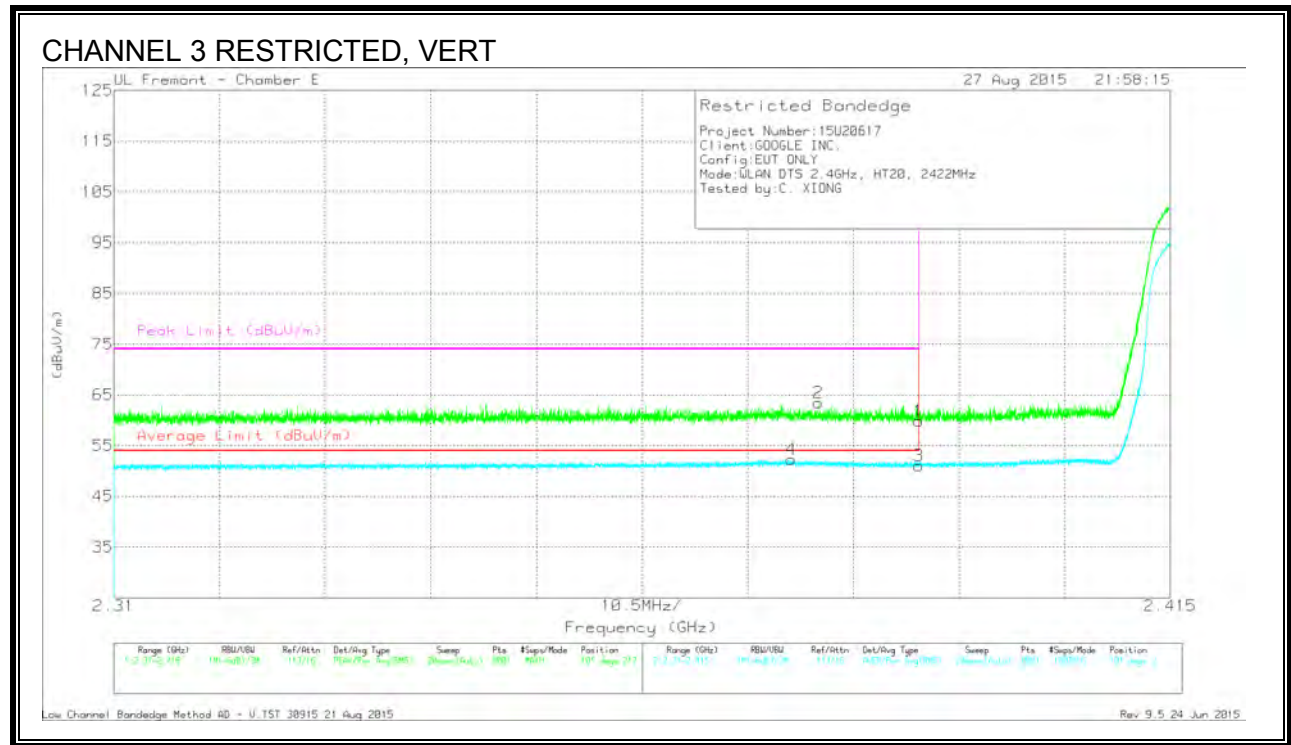


**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T346 (dBm) | Amp/Cbl/FI tri/Pad (dB) | 10dB Pad | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|-------------------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 2.38          | 45.3                 | Pk  | 32            | -23.1                   | 10       | 0            | 64.2                       | -                      | -           | 74                  | -9.8           | 62             | 279         | H        |
| 4      | * 2.382         | 33.84                | RMS | 32            | -23.1                   | 10       | .12          | 52.86                      | 54                     | -1.14       | -                   | -              | 62             | 279         | H        |
| 1      | * 2.39          | 41.96                | Pk  | 32.1          | -23.2                   | 10       | 0            | 60.86                      | -                      | -           | 74                  | -13.14         | 62             | 279         | H        |
| 3      | * 2.39          | 32.54                | RMS | 32.1          | -23.2                   | 10       | .12          | 51.56                      | 54                     | -2.44       | -                   | -              | 62             | 279         | H        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

PK - Peak detector  
RMS - RMS detection



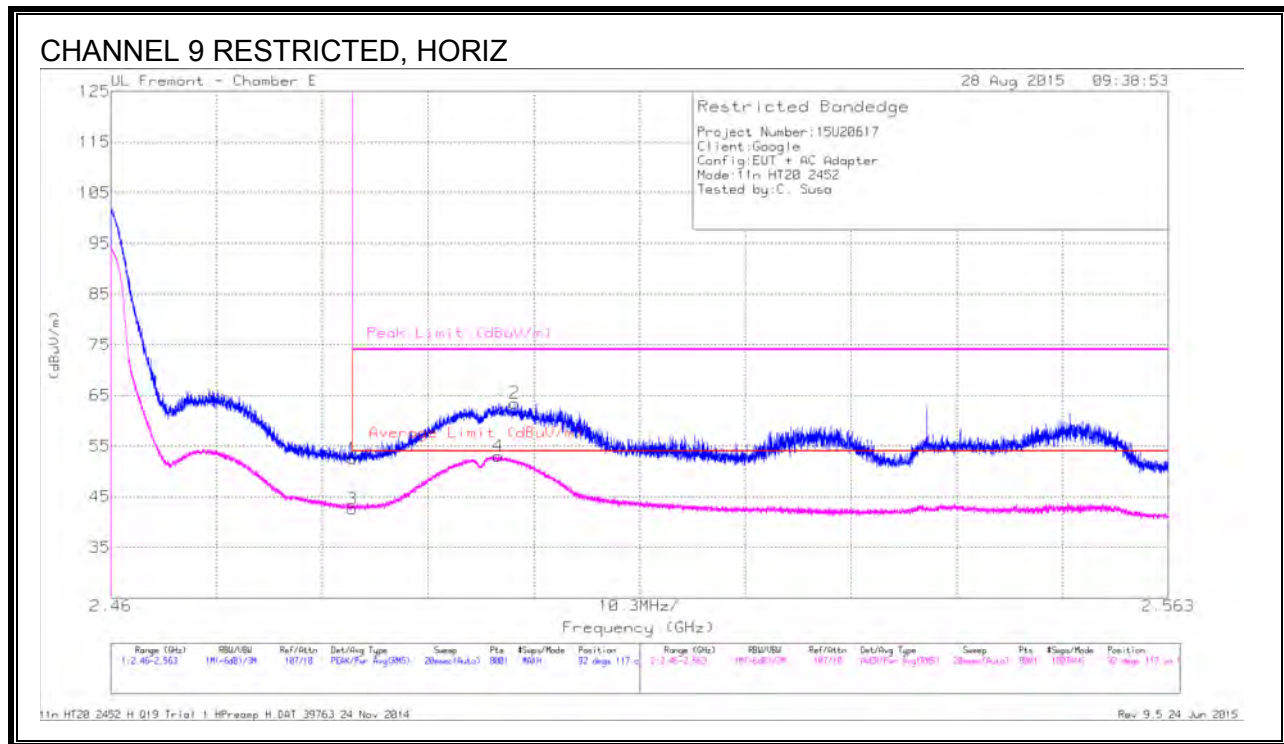
## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T346 (dB/m) | Ampl/CbI/FI tr/Pad (dB) | 10dB Pad | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 4      | * 2.377         | 33.32                | RMS | 32             | -23.2                   | 10       | .12          | 52.24                      | 54                     | -1.46       | -                   | -              | 101            | 217         | V        |
| 2      | * 2.38          | 44.54                | Pk  | 32             | -23.1                   | 10       | 0            | 63.44                      | -                      | -           | 74                  | -10.56         | 101            | 217         | V        |
| 1      | * 2.39          | 40.93                | Pk  | 32.1           | -23.2                   | 10       | 0            | 59.83                      | -                      | -           | 74                  | -14.17         | 101            | 217         | V        |
| 3      | * 2.39          | 31.96                | RMS | 32.1           | -23.2                   | 10       | .12          | 50.98                      | 54                     | -3.02       | -                   | -              | 101            | 217         | V        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

PK - Peak detector  
RMS - RMS detection

**RESTRICTED BANDEDGE (CHANNEL 9)**

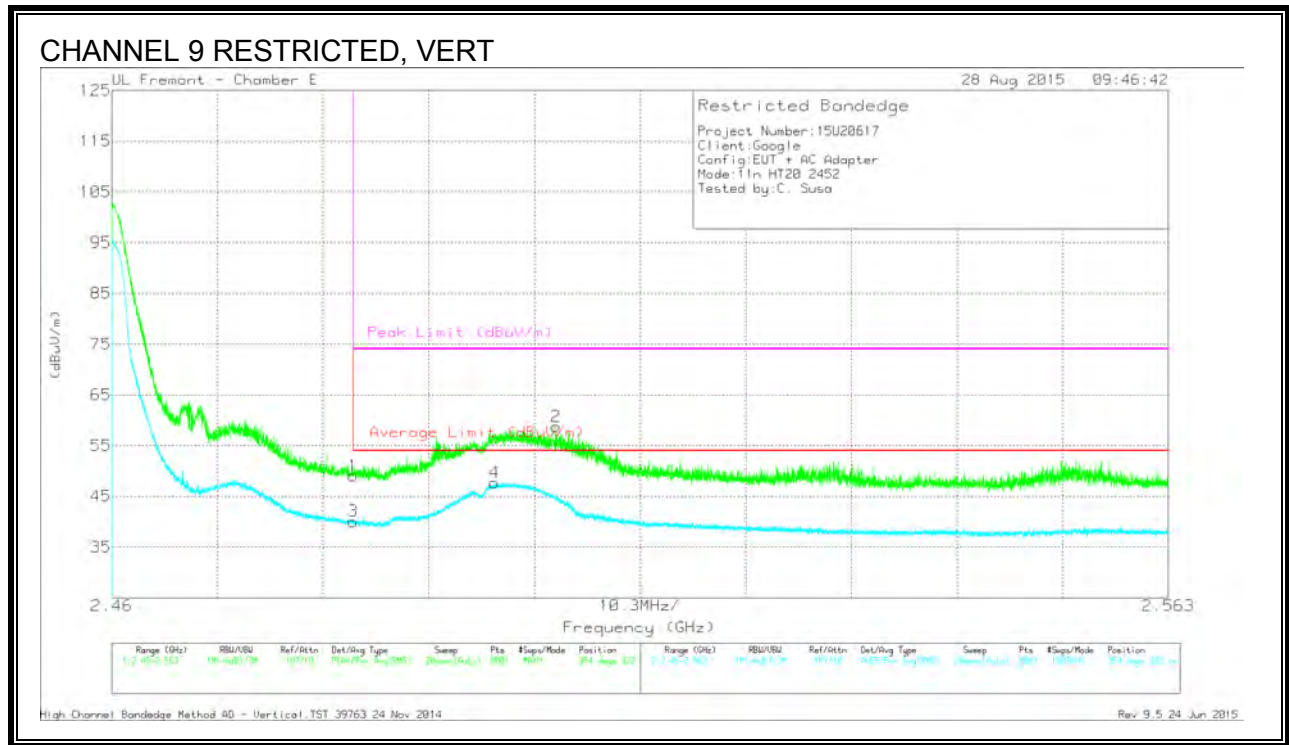


**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T346 (dB/m) | Amp/Cb/I/I tri/Pad (dB) | DC Corr (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         | 40.34                | Pk  | 32.2           | -20                     | 0            | 52.54                      | -                      | -           | 74                  | -21.46         | 92             | 117         | H        |
| 3      | * 2.484         | 30.45                | RMS | 32.2           | -20                     | .12          | 42.77                      | 54                     | -11.23      | -                   | -              | 92             | 117         | H        |
| 4      | * 2.498         | 40.89                | RMS | 32.2           | -20.1                   | .12          | 53.11                      | 54                     | -89         | -                   | -              | 92             | 117         | H        |
| 2      | * 2.499         | 51.41                | Pk  | 32.2           | -20.1                   | 0            | 63.51                      | -                      | -           | 74                  | -10.49         | 92             | 117         | H        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

PK - Peak detector  
RMS - RMS detection



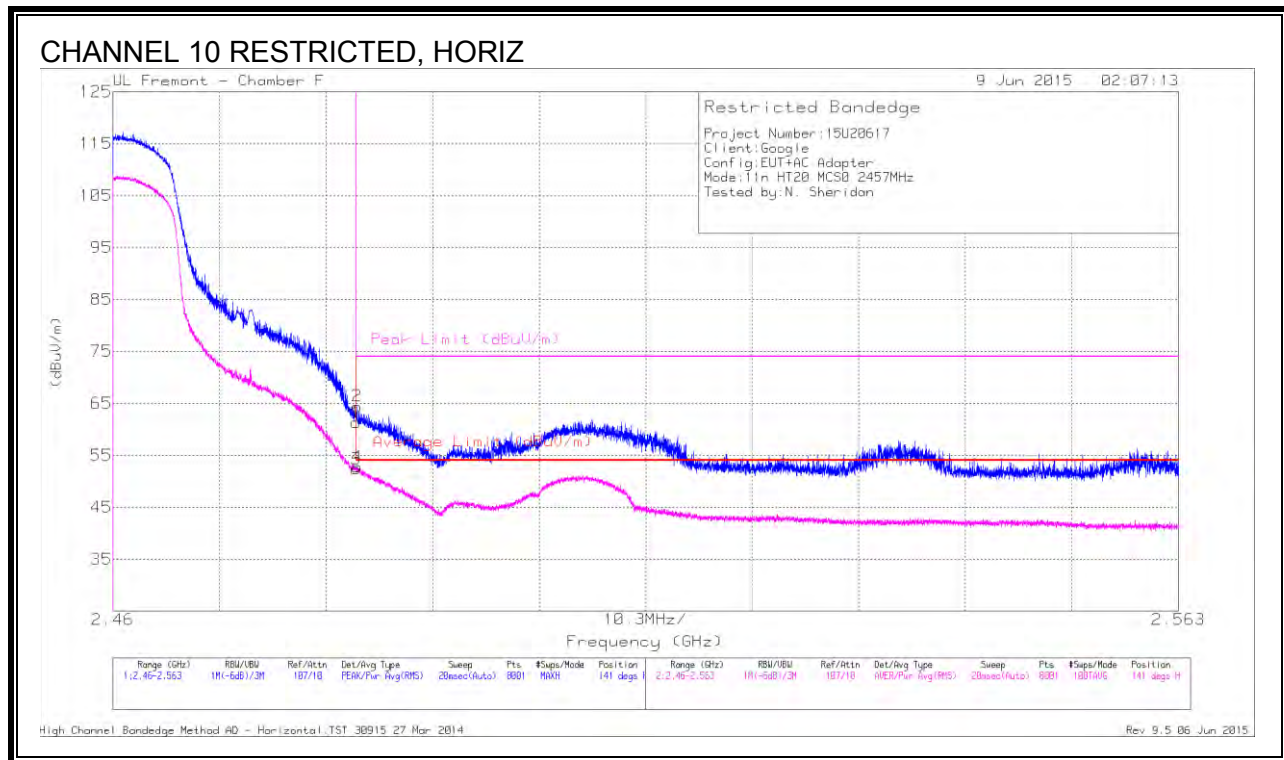
## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T346 (dB/m) | Amp/Cbl/FI tr/Pad (dB) | DC Corr (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         | 36.83                | Pk  | 32.2           | -20                    | 0            | 49.03                      | -                      | -           | 74                  | -24.97         | 354            | 322         | V        |
| 3      | * 2.484         | 27.85                | RMS | 32.2           | -20                    | .12          | 40.17                      | 54                     | -13.83      | -                   | -              | 354            | 322         | V        |
| 4      | * 2.497         | 35.54                | RMS | 32.2           | -20.1                  | .12          | 47.76                      | 54                     | -6.24       | -                   | -              | 354            | 322         | V        |
| 2      | 2.503           | 46.61                | Pk  | 32.2           | -20.1                  | 0            | 58.71                      | -                      | -           | 74                  | -15.29         | 354            | 322         | V        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

PK - Peak detector  
RMS - RMS detection

## RESTRICTED BANDEGE (CHANNEL 10)

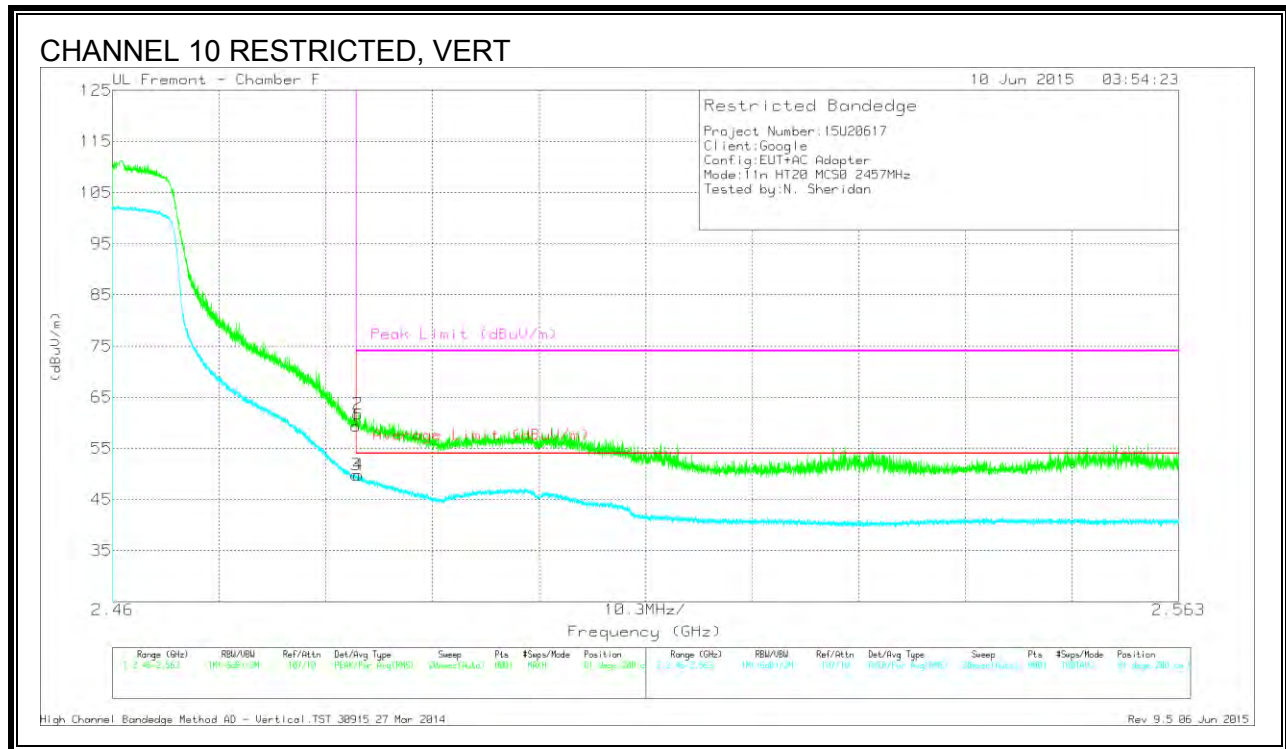


## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cbl/FI tr/Pad (dB) | DC Corr (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         | 50.03                | PK  | 32.2           | -20.9                  | 0            | 61.33                      | -                      | -           | 74                  | -12.67         | 141            | 218         | H        |
| 2      | * 2.484         | 53.13                | PK  | 32.2           | -20.9                  | 0            | 64.43                      | -                      | -           | 74                  | -9.57          | 141            | 218         | H        |
| 3      | * 2.484         | 40.99                | RMS | 32.2           | -20.9                  | .12          | 52.41                      | 54                     | -1.59       | -                   | -              | 141            | 218         | H        |
| 4      | * 2.484         | 41.36                | RMS | 32.2           | -20.9                  | .12          | 52.78                      | 54                     | -1.22       | -                   | -              | 141            | 218         | H        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

PK - Peak detector  
RMS - RMS detection



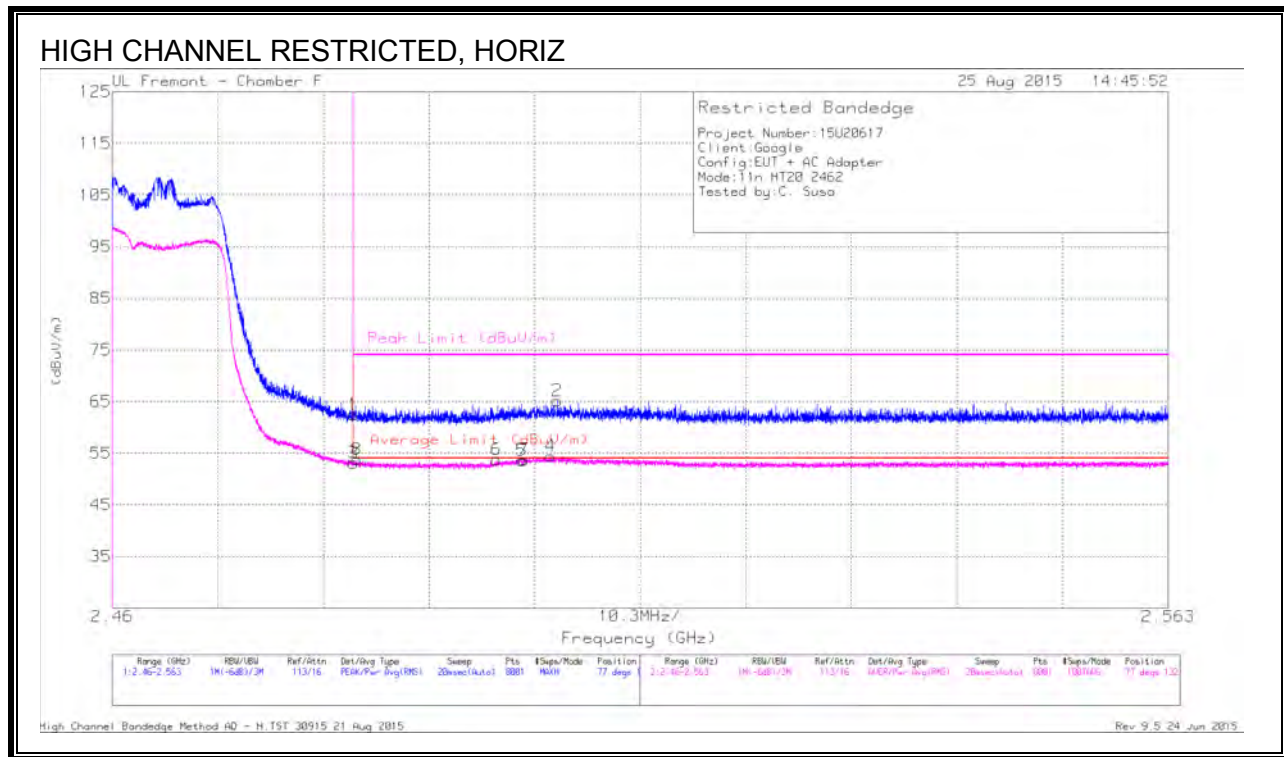
## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cbl/FI tr/Pad (dB) | DC Corr (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         | 48.04                | Pk  | 32.2           | -20.9                  | 0            | 59.34                      | -                      | -           | 74                  | -14.66         | 81             | 200         | V        |
| 2      | * 2.484         | 50.47                | Pk  | 32.2           | -20.9                  | 0            | 61.77                      | -                      | -           | 74                  | -12.23         | 81             | 200         | V        |
| 3      | * 2.484         | 38.37                | RMS | 32.2           | -20.9                  | .12          | 49.79                      | 54                     | -4.21       | -                   | -              | 81             | 200         | V        |
| 4      | * 2.484         | 38.34                | RMS | 32.2           | -20.9                  | .12          | 49.76                      | 54                     | -4.24       | -                   | -              | 81             | 200         | V        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

PK - Peak detector  
RMS - RMS detection

**RESTRICTED BANDEDGE (HIGH CHANNEL)**

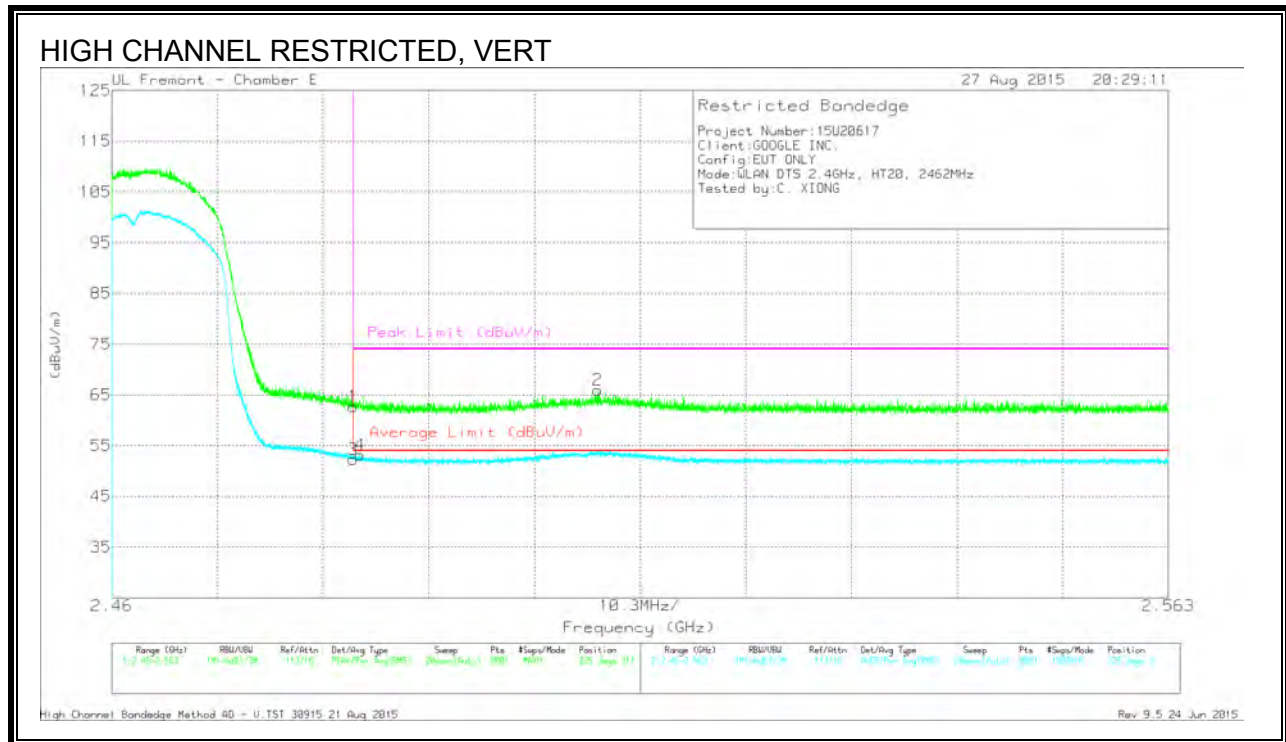


**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cbl/FI tr/Pad (dB) | 10dB Pad | DC Corr (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         | 41.39                | Pk  | 32.2           | -21.1                  | 10       | 0            | 62.49                      | -                      | -           | 74                  | -11.51         | 77             | 132         | H        |
| 2      | 2.503           | 43.95                | Pk  | 32.3           | -21.1                  | 10       | 0            | 65.15                      | -                      | -           | -                   | -              | 77             | 132         | H        |
| 3      | * 2.484         | 31.94                | RMS | 32.2           | -21.1                  | 10       | .12          | 53.16                      | 54                     | -84         | -                   | -              | 77             | 132         | H        |
| 4      | 2.503           | 33.12                | RMS | 32.3           | -21.1                  | 10       | .12          | 54.44                      | -                      | -           | -                   | -              | 77             | 132         | H        |
| 5      | * 2.5           | 32.24                | RMS | 32.3           | -21.1                  | 10       | .12          | 53.56                      | 54                     | -44         | -                   | -              | 77             | 132         | H        |
| 6      | * 2.497         | 32.53                | RMS | 32.3           | -21.2                  | 10       | .12          | 53.75                      | 54                     | -25         | -                   | -              | 77             | 132         | H        |
| 7      | 2.5             | 32.42                | RMS | 32.3           | -21.1                  | 10       | .12          | 53.74                      | -                      | -           | -                   | -              | 77             | 132         | H        |
| 8      | * 2.484         | 32.56                | RMS | 32.2           | -21.1                  | 10       | .12          | 53.78                      | 54                     | -22         | -                   | -              | 77             | 132         | H        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

PK - Peak detector  
RMS - RMS detection



## Trace Markers

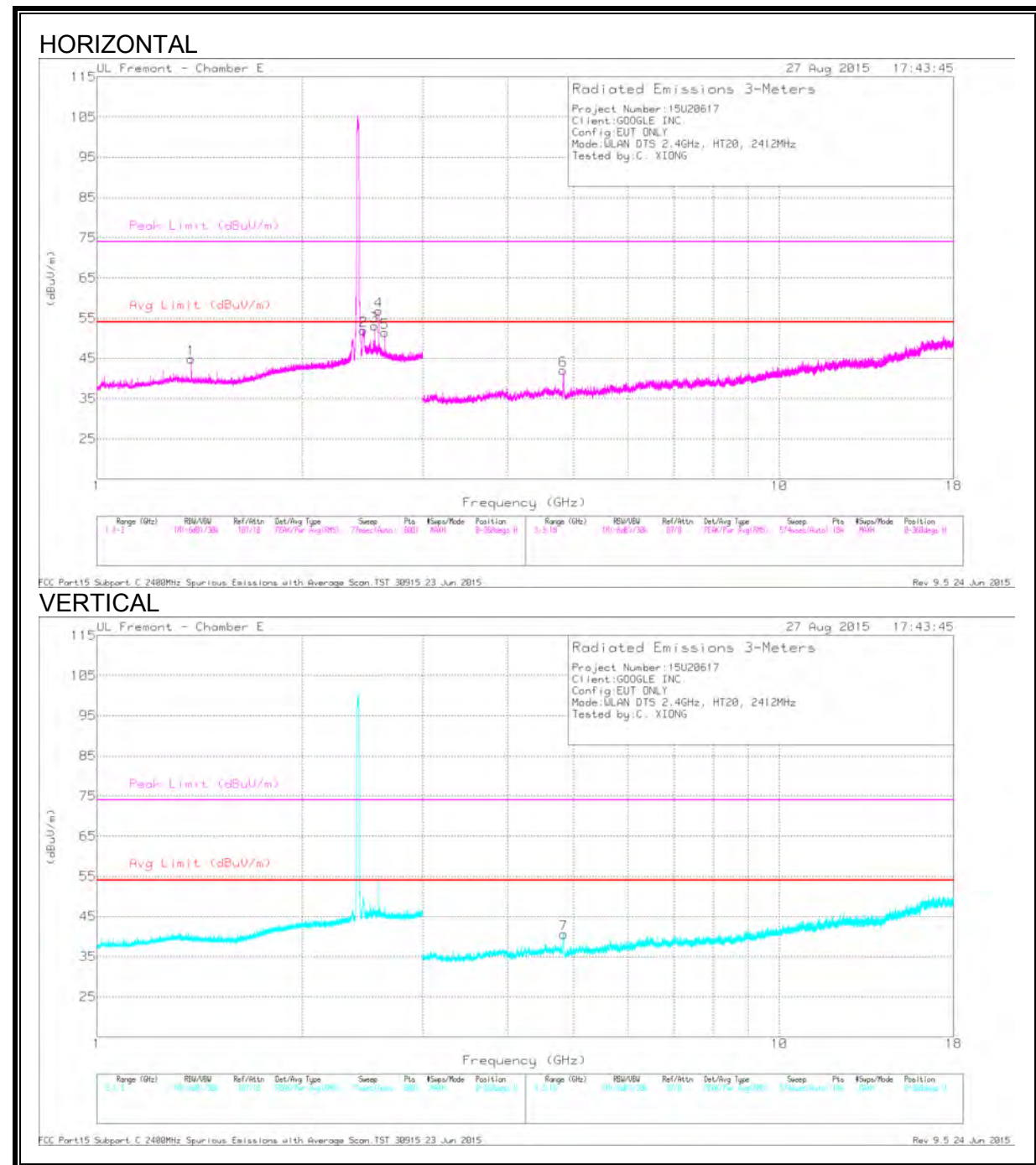
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T346 (dB/m) | Ampl/CbI/FI tr/Pad (dB) | 10dB Pad | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 43.43                | Pk  | 32.2           | -22.9                   | 10       | 0            | 62.73                      | -                      | -           | 74                  | -11.27         | 225            | 311         | V        |
| 3      | * 2.484         | 32.91                | RMS | 32.2           | -22.9                   | 10       | .12          | 52.33                      | 54                     | -1.67       | -                   | -              | 225            | 311         | V        |
| 4      | * 2.484         | 33.75                | RMS | 32.2           | -22.9                   | 10       | .12          | 53.17                      | 54                     | -0.83       | -                   | -              | 225            | 311         | V        |
| 2      | 2.507           | 46.67                | Pk  | 32.2           | -22.9                   | 10       | 0            | 65.97                      | -                      | -           | 74                  | -8.03          | 225            | 311         | V        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

PK - Peak detector  
RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL



## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T346 (dB/m) | Amp/Cbl/FI tr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.375         | 48.31                | PK2  | 28.6           | -25.5                  | 0            | 51.41                      | -                  | -           | 74                  | -22.59         | 134            | 101         | H        |
|        | * 1.375         | 39.92                | MAv1 | 28.6           | -25.5                  | .12          | 43.14                      | 54                 | -10.86      | -                   | -              | 134            | 101         | H        |
| 6      | * 4.824         | 46.67                | PK2  | 34.1           | -30.1                  | 0            | 50.67                      | -                  | -           | 74                  | -23.33         | 256            | 203         | H        |
|        | * 4.824         | 33.23                | MAv1 | 34.1           | -30.1                  | .12          | 37.35                      | 54                 | -16.65      | -                   | -              | 256            | 203         | H        |
| 7      | * 4.822         | 47.17                | PK2  | 34.1           | -30.1                  | 0            | 51.17                      | -                  | -           | 74                  | -22.83         | 214            | 349         | V        |
|        | * 4.822         | 33.5                 | MAv1 | 34.1           | -30.1                  | .12          | 37.62                      | 54                 | -16.38      | -                   | -              | 214            | 349         | V        |
| 2      | 2.459           | 42.94                | Pk   | 32.1           | -23.1                  | 0            | 51.94                      | -                  | -           | 74                  | -22.06         | 0-360          | 102         | H        |
| 3      | 2.553           | 43.67                | Pk   | 32.3           | -22.9                  | 0            | 53.07                      | -                  | -           | 74                  | -20.93         | 0-360          | 102         | H        |
| 4      | 2.588           | 47.14                | Pk   | 32.3           | -22.7                  | 0            | 56.74                      | -                  | -           | 74                  | -17.26         | 0-360          | 102         | H        |
| 5      | 2.64            | 41.51                | Pk   | 32.4           | -22.5                  | 0            | 51.41                      | -                  | -           | 74                  | -22.59         | 0-360          | 102         | H        |

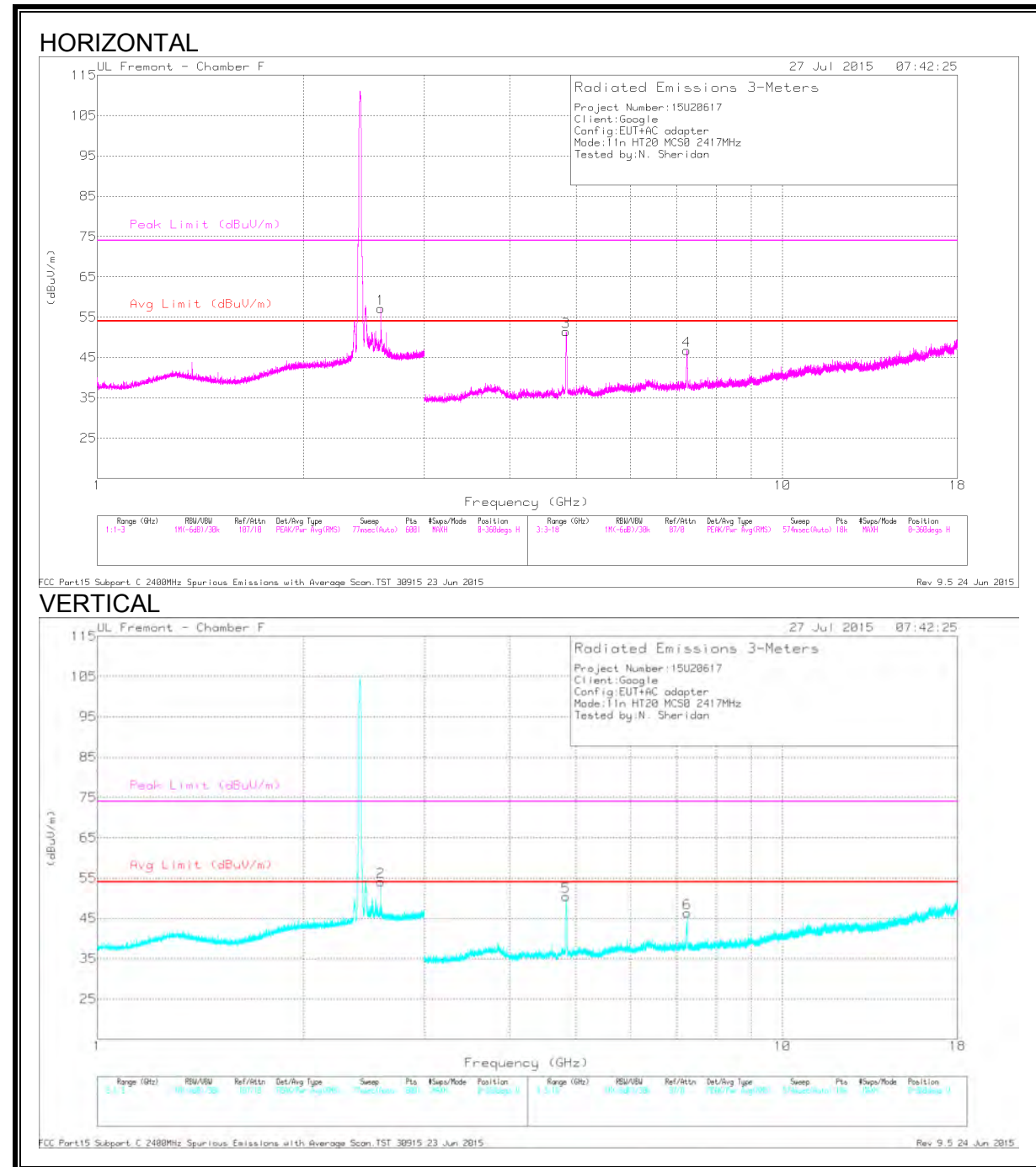
\* - indicates frequency in CFR 47, Part 15.

PK - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

## CHANNEL 2



## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T120 (dB/m) | Amp/Cbl /Fitr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 2.593           | 48.71                | PK2  | 32.6           | -21                    | 0            | 60.31                      | -                  | -           | 74                  | -13.69         | 187            | 106         | H        |
| 2      | 2.593           | 46.61                | PK2  | 32.6           | -21                    | 0            | 58.21                      | -                  | -           | 74                  | -15.79         | 196            | 198         | V        |
| 3      | * 4.832         | 51.16                | PK2  | 34.1           | -27.2                  | 0            | 58.06                      | -                  | -           | 74                  | -15.94         | 301            | 214         | H        |
|        | * 4.832         | 38.34                | MAv1 | 34.1           | -27.2                  | .12          | 45.36                      | 54                 | -8.64       | -                   | -              | 301            | 214         | H        |
| 4      | * 7.252         | 46.99                | PK2  | 35.6           | -26.4                  | 0            | 56.19                      | -                  | -           | 74                  | -17.81         | 344            | 160         | H        |
|        | * 7.25          | 32.35                | MAv1 | 35.6           | -26.3                  | .12          | 41.77                      | 54                 | -12.23      | -                   | -              | 344            | 160         | H        |
| 5      | * 4.83          | 52.57                | PK2  | 34.1           | -27.2                  | 0            | 59.47                      | -                  | -           | 74                  | -14.53         | 276            | 253         | V        |
|        | * 4.831         | 38.67                | MAv1 | 34.1           | -27.2                  | .12          | 45.69                      | 54                 | -8.31       | -                   | -              | 276            | 253         | V        |
| 6      | * 7.255         | 47.91                | PK2  | 35.6           | -26.4                  | 0            | 57.11                      | -                  | -           | 74                  | -16.89         | 71             | 305         | V        |
|        | * 7.255         | 32.8                 | MAv1 | 35.6           | -26.4                  | .12          | 42.12                      | 54                 | -11.88      | -                   | -              | 71             | 305         | V        |

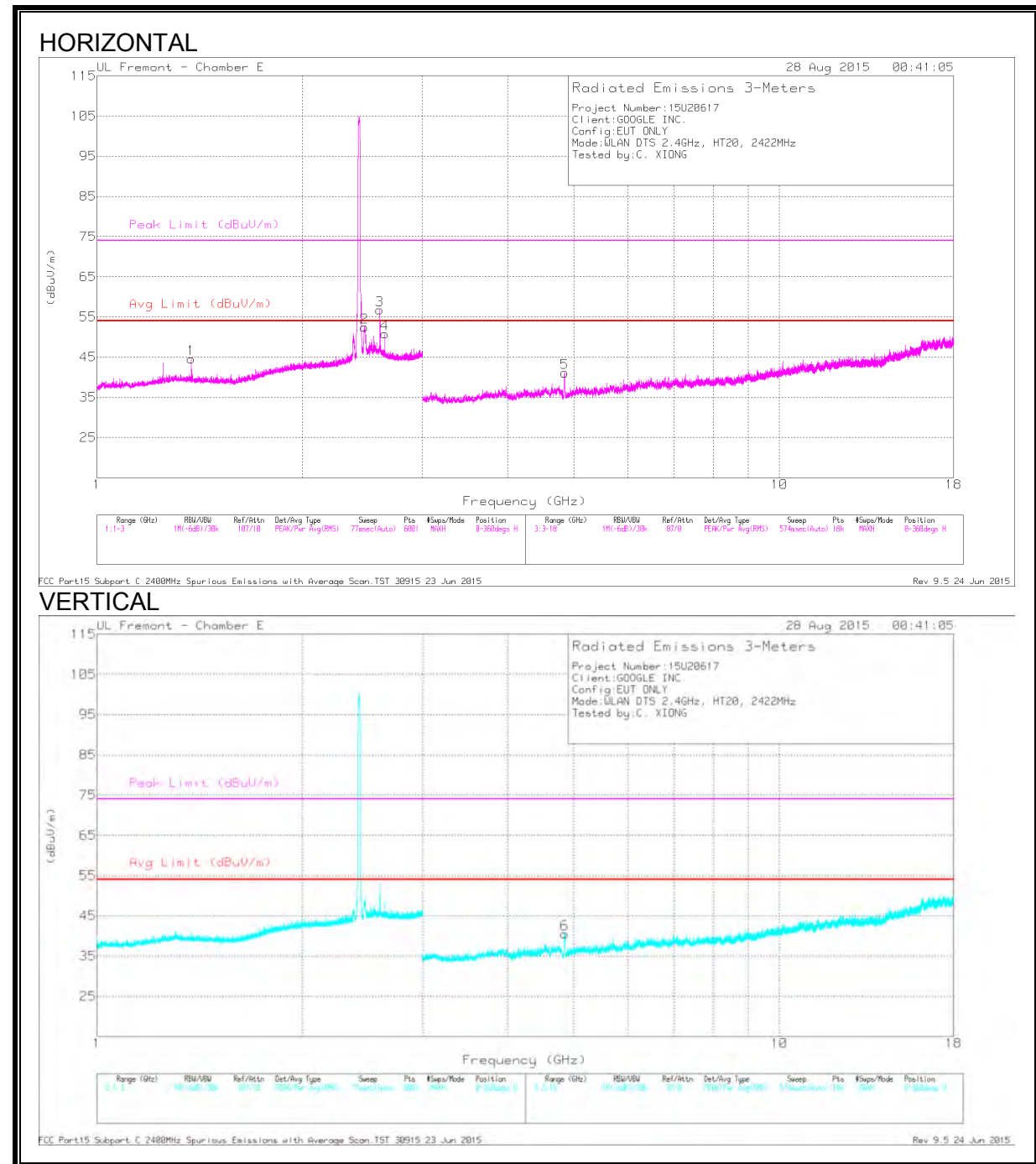
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**CHANNEL 3**



## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T346 (dB/m) | Amp/Cbl/FI tr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.375         | 48.04                | PK2  | 28.6           | -25.5                  | 0            | 51.14                      | -                  | -           | 74                  | -22.86         | 137            | 103         | H        |
|        | * 1.375         | 38.99                | MAv1 | 28.6           | -25.5                  | .12          | 42.21                      | 54                 | -11.79      | -                   | -              | 137            | 103         | H        |
| 5      | * 4.84          | 47.18                | PK2  | 34.1           | -30.1                  | 0            | 51.18                      | -                  | -           | 74                  | -22.82         | 252            | 181         | H        |
|        | * 4.842         | 33.91                | MAv1 | 34.1           | -30.1                  | .12          | 38.03                      | 54                 | -15.97      | -                   | -              | 252            | 181         | H        |
| 6      | * 4.841         | 46.52                | PK2  | 34.1           | -30.1                  | 0            | 50.52                      | -                  | -           | 74                  | -23.48         | 220            | 281         | V        |
|        | * 4.843         | 34                   | MAv1 | 34.1           | -30.1                  | .12          | 38.12                      | 54                 | -15.88      | -                   | -              | 220            | 281         | V        |
| 2      | 2.467           | 43.31                | Pk   | 32.1           | -23                    | 0            | 52.41                      | -                  | -           | 74                  | -21.59         | 0-360          | 100         | H        |
| 3      | 2.598           | 47.08                | Pk   | 32.4           | -22.7                  | 0            | 56.78                      | -                  | -           | 74                  | -17.22         | 0-360          | 100         | H        |
| 4      | 2.64            | 40.9                 | Pk   | 32.4           | -22.5                  | 0            | 50.8                       | -                  | -           | 74                  | -23.2          | 0-360          | 100         | H        |

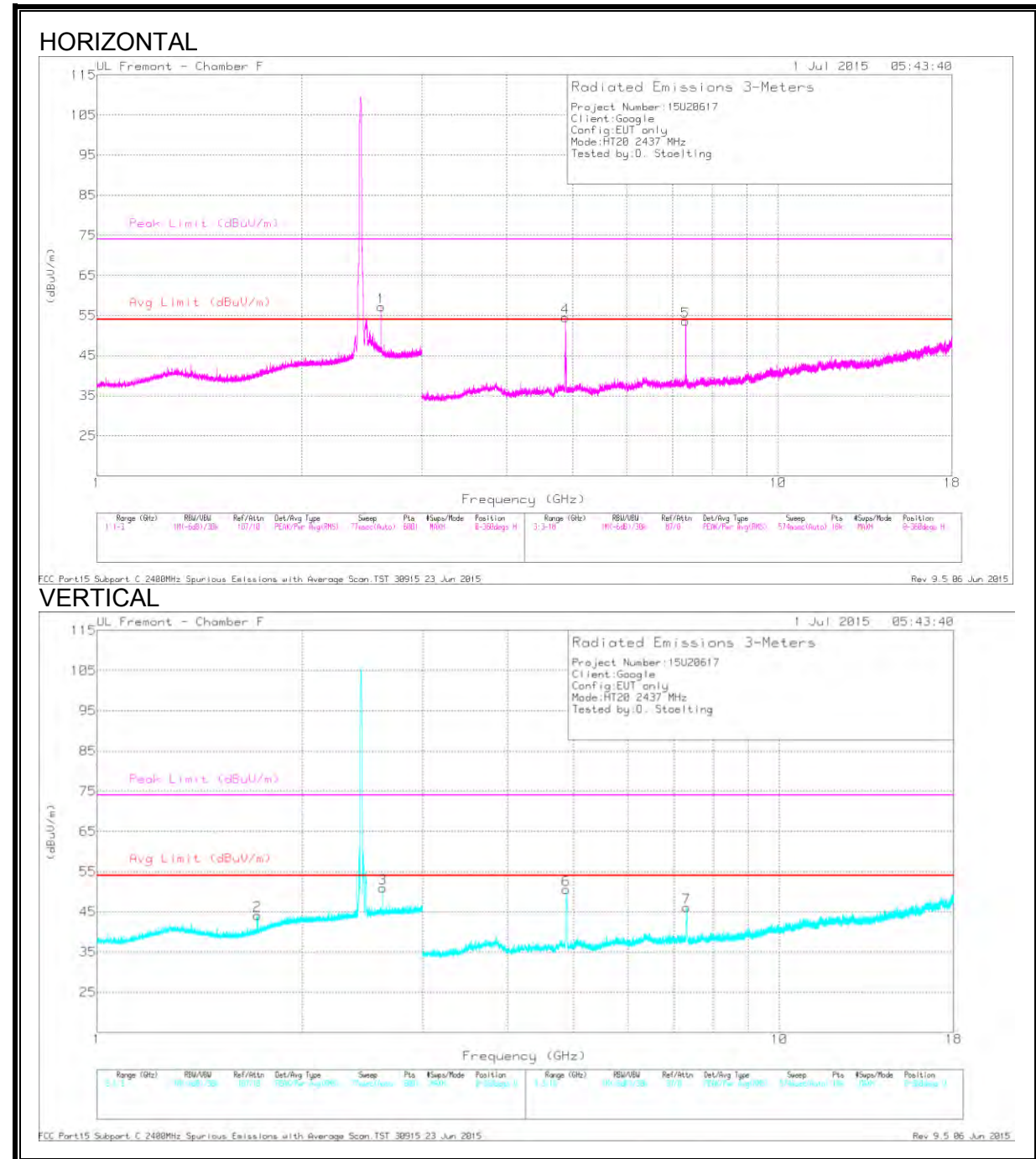
\* - indicates frequency in CFR 47, Part 15.

PK - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**MID CHANNEL**



## Trace Markers

| Marker | Frequenc<br>y<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T120<br>(dB/m) | Amp/Cbl/<br>Filtr/Pad<br>(dB) | DC Corr<br>(dB) | Corrected<br>Reading<br>(dBuV/m) | Avg Limit<br>(dBuV/m) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m) | PK Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|------|-------------------|-------------------------------|-----------------|----------------------------------|-----------------------|----------------|---------------------------|-------------------|-------------------|----------------|----------|
| 1      | 2.613                  | 48.04                      | PK2  | 32.6              | -20.9                         | 0               | 59.74                            | -                     | -              | 74                        | -14.26            | 186               | 287            | H        |
| 2      | * 1.72                 | 42.47                      | PK2  | 29.1              | -21.8                         | 0               | 49.77                            | -                     | -              | 74                        | -24.23            | 326               | 296            | V        |
|        | * 1.72                 | 29.82                      | MAv1 | 29.1              | -21.8                         | .12             | 37.24                            | 54                    | -16.76         | -                         | -                 | 326               | 296            | V        |
| 3      | 2.625                  | 44.24                      | PK2  | 32.7              | -20.9                         | 0               | 56.04                            | -                     | -              | 74                        | -17.96            | 257               | 353            | V        |
| 4      | * 4.872                | 54.91                      | PK2  | 34.1              | -27.8                         | 0               | 61.21                            | -                     | -              | 74                        | -12.79            | 301               | 218            | H        |
|        | * 4.872                | 41.18                      | MAv1 | 34.1              | -27.8                         | .12             | 47.6                             | 54                    | -6.4           | -                         | -                 | 301               | 218            | H        |
| 5      | * 7.31                 | 52.66                      | PK2  | 35.7              | -26.7                         | 0               | 61.66                            | -                     | -              | 74                        | -12.34            | 355               | 137            | H        |
|        | * 7.311                | 38.12                      | MAv1 | 35.7              | -26.7                         | .12             | 47.24                            | 54                    | -6.76          | -                         | -                 | 355               | 137            | H        |
| 6      | * 4.873                | 53.62                      | PK2  | 34.1              | -27.8                         | 0               | 59.92                            | -                     | -              | 74                        | -14.08            | 264               | 302            | V        |
|        | * 4.871                | 40.31                      | MAv1 | 34.1              | -27.8                         | .12             | 46.73                            | 54                    | -7.27          | -                         | -                 | 264               | 302            | V        |
| 7      | * 7.314                | 54.3                       | PK2  | 35.7              | -26.7                         | 0               | 63.3                             | -                     | -              | 74                        | -10.7             | 67                | 260            | V        |
|        | * 7.314                | 39.34                      | MAv1 | 35.7              | -26.7                         | .12             | 48.46                            | 54                    | -5.54          | -                         | -                 | 67                | 260            | V        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

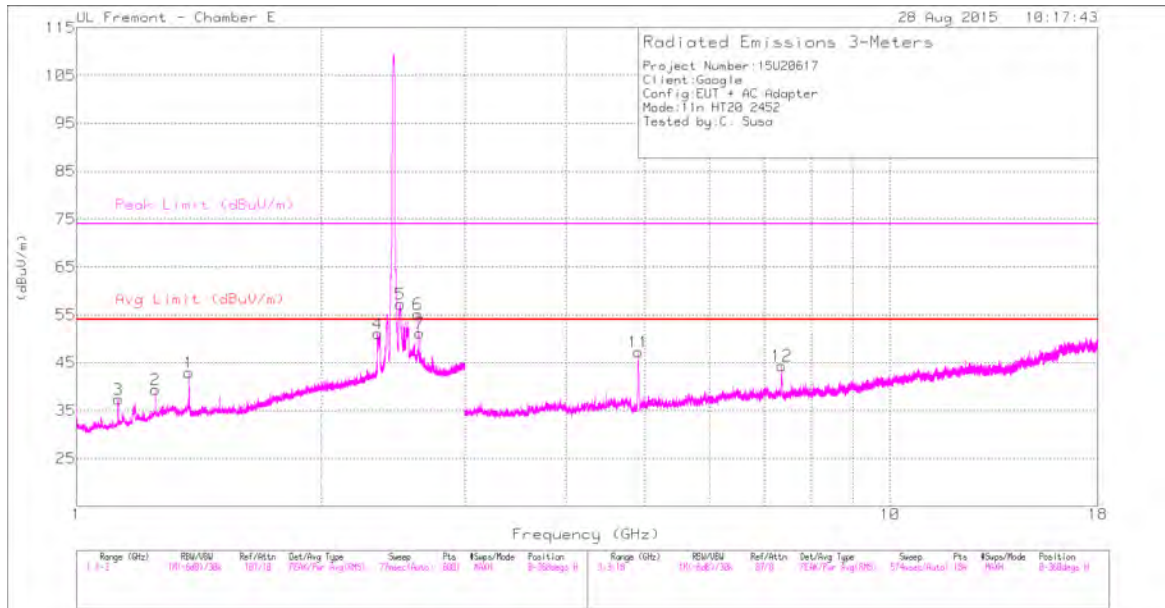
PK - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**CHANNEL 9**

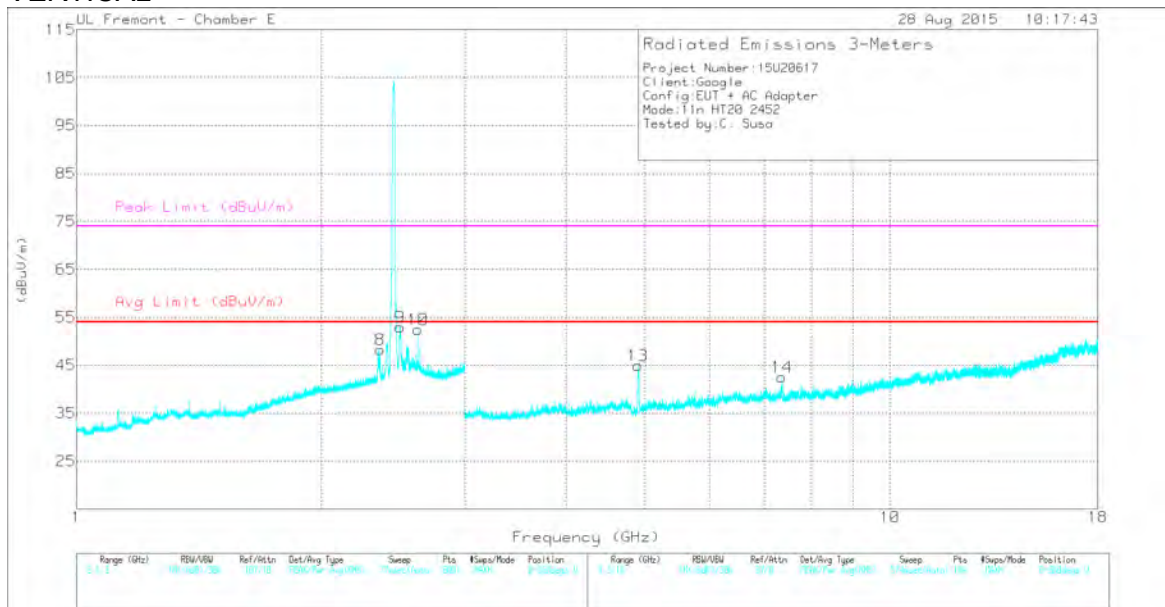
**HORIZONTAL**



FCC Part 15 Subpart C 2400MHz Spurious Emissions with Average Scan TST 39763 24 Nov 2014

Rev 9.5 24 Jun 2015

**VERTICAL**



FCC Part 15 Subpart C 2400MHz Spurious Emissions with Average Scan TST 39763 24 Nov 2014

Rev 9.5 24 Jun 2015

## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T346 (dB/m) | Amp/Cbl /Fitr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 5      | * 2.5           | 51.39                | PK2  | 32.2           | -20.1                  | 0            | 63.49                      | -                  | -           | 74                  | -10.51         | 152            | 313         | H        |
|        | * 2.5           | 39.46                | MAV1 | 32.2           | -20.1                  | .12          | 51.68                      | 54                 | -2.32       | -                   | -              | 152            | 313         | H        |
| 1      | * 1.375         | 41.99                | PK2  | 28.6           | -22.2                  | 0            | 48.39                      | -                  | -           | 74                  | -25.61         | 141            | 102         | H        |
|        | * 1.375         | 34.87                | MAV1 | 28.6           | -22.2                  | .12          | 41.39                      | 54                 | -12.61      | -                   | -              | 141            | 102         | H        |
| 4      | * 2.352         | 46.08                | PK2  | 32             | -20.1                  | 0            | 57.98                      | -                  | -           | 74                  | -16.02         | 91             | 187         | H        |
|        | * 2.351         | 31.03                | MAV1 | 32             | -20.1                  | .12          | 43.05                      | 54                 | -10.95      | -                   | -              | 91             | 187         | H        |
| 2      | * 1.25          | 41.22                | PK2  | 28.5           | -22.6                  | 0            | 47.12                      | -                  | -           | 74                  | -26.88         | 136            | 118         | H        |
|        | * 1.25          | 34.31                | MAV1 | 28.5           | -22.6                  | .12          | 40.33                      | 54                 | -13.67      | -                   | -              | 136            | 118         | H        |
| 3      | * 1.125         | 38.76                | PK2  | 27.3           | -23.4                  | 0            | 42.66                      | -                  | -           | 74                  | -31.34         | 86             | 215         | H        |
|        | * 1.125         | 29.48                | MAV1 | 27.3           | -23.4                  | .12          | 33.5                       | 54                 | -20.5       | -                   | -              | 86             | 215         | H        |
| 8      | * 2.362         | 42.89                | PK2  | 32             | -20                    | 0            | 54.89                      | -                  | -           | 74                  | -19.11         | 197            | 356         | V        |
|        | * 2.36          | 29.1                 | MAV1 | 32             | -20                    | .12          | 41.22                      | 54                 | -12.78      | -                   | -              | 197            | 356         | V        |
| 9      | * 2.5           | 50.16                | PK2  | 32.2           | -20.1                  | 0            | 62.26                      | -                  | -           | 74                  | -11.74         | 94             | 256         | V        |
|        | * 2.497         | 37.09                | MAV1 | 32.2           | -20.1                  | .12          | 49.31                      | 54                 | -4.69       | -                   | -              | 94             | 256         | V        |
| 11     | * 4.903         | 52.23                | PK2  | 34.1           | -30.5                  | 0            | 55.83                      | -                  | -           | 74                  | -18.17         | 256            | 271         | H        |
|        | * 4.903         | 38.41                | MAV1 | 34.1           | -30.5                  | .12          | 42.13                      | 54                 | -11.87      | -                   | -              | 256            | 271         | H        |
| 12     | * 7.36          | 45.61                | PK2  | 35.5           | -27.3                  | 0            | 53.81                      | -                  | -           | 74                  | -20.19         | 293            | 171         | H        |
|        | * 7.358         | 30.83                | MAV1 | 35.5           | -27.2                  | .12          | 39.25                      | 54                 | -14.75      | -                   | -              | 293            | 171         | H        |
| 13     | * 4.903         | 51.84                | PK2  | 34.1           | -30.5                  | 0            | 55.44                      | -                  | -           | 74                  | -18.56         | 218            | 260         | V        |
|        | * 4.902         | 37.43                | MAV1 | 34.1           | -30.5                  | .12          | 41.15                      | 54                 | -12.85      | -                   | -              | 218            | 260         | V        |
| 14     | * 7.364         | 43.04                | PK2  | 35.5           | -27.4                  | 0            | 51.14                      | -                  | -           | 74                  | -22.86         | 6              | 199         | V        |
|        | * 7.364         | 29.92                | MAV1 | 35.5           | -27.3                  | .12          | 38.24                      | 54                 | -15.76      | -                   | -              | 6              | 199         | V        |
| 6      | 2.628           | 42.48                | Pk   | 32.4           | -19.7                  | 0            | 55.18                      | -                  | -           | 74                  | -18.82         | 0-360          | 100         | H        |
| 10     | 2.628           | 39.76                | Pk   | 32.4           | -19.7                  | 0            | 52.46                      | -                  | -           | 74                  | -21.54         | 0-360          | 200         | V        |
| 7      | 2.64            | 38.44                | Pk   | 32.4           | -19.7                  | 0            | 51.14                      | -                  | -           | 74                  | -22.86         | 0-360          | 100         | H        |

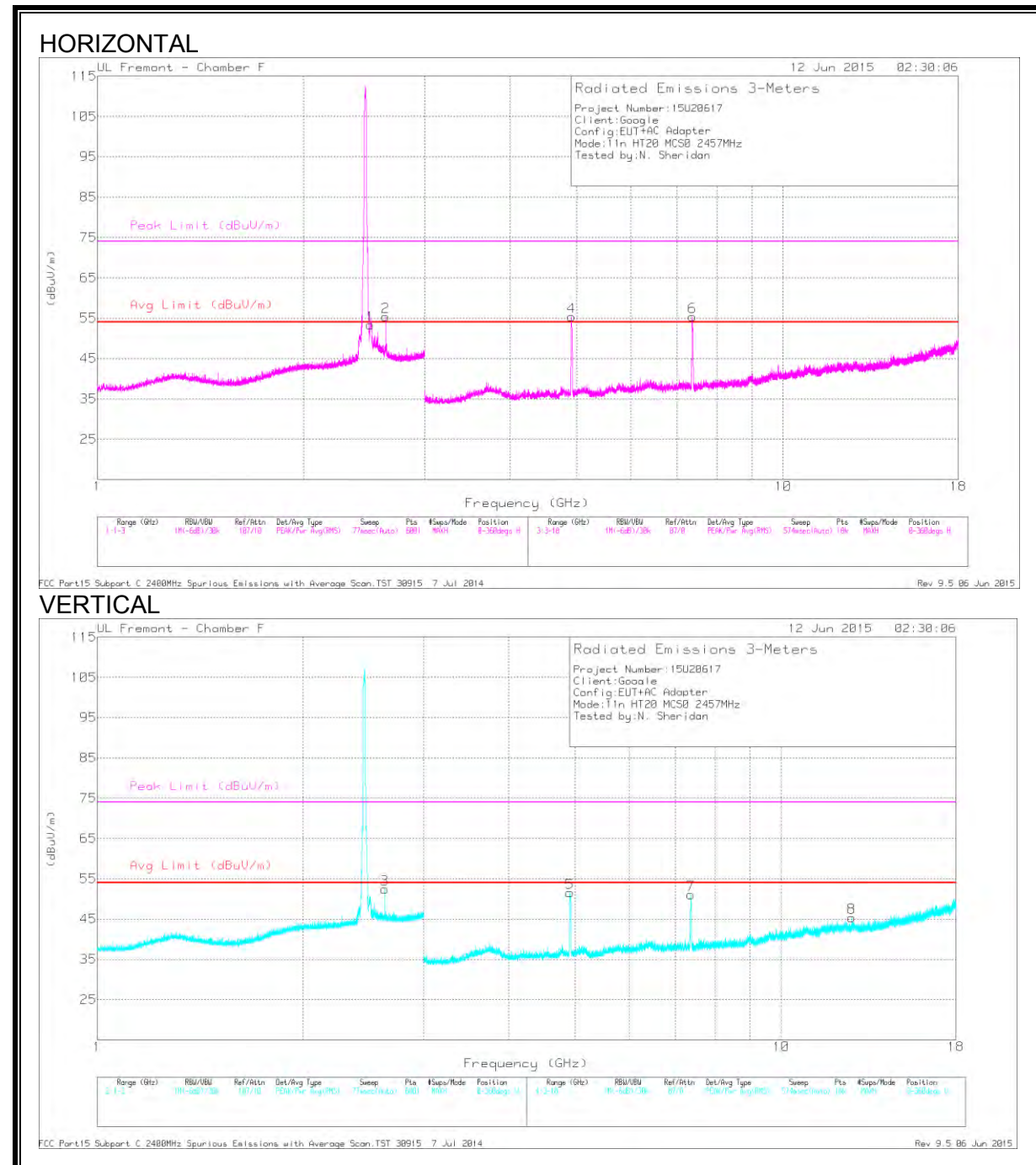
\* - indicates frequency in CFR 47, Part 15.

PK - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

**CHANNEL 10**



## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T120 (dB/m) | Amp/Cbl /Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.498         | 52.94                | PK2  | 32.3           | -20.9                 | 0            | 64.34                      | -                  | -           | 74                  | -9.66          | 163            | 151         | H        |
|        | * 2.5           | 37.38                | MAv1 | 32.3           | -20.9                 | .12          | 48.9                       | 54                 | -5.1        | -                   | -              | 163            | 151         | H        |
| 6      | * 7.373         | 57.18                | PK2  | 35.7           | -25.9                 | 0            | 66.98                      | -                  | -           | 74                  | -7.02          | 264            | 238         | H        |
|        | * 7.373         | 43.13                | MAv1 | 35.7           | -25.9                 | .12          | 53.05                      | 54                 | -.95        | -                   | -              | 264            | 238         | H        |
| 4      | * 4.913         | 57.99                | PK2  | 34.1           | -28.5                 | 0            | 63.59                      | -                  | -           | 74                  | -10.41         | 213            | 233         | H        |
|        | * 4.913         | 45.4                 | MAv1 | 34.1           | -28.5                 | .12          | 51.12                      | 54                 | -2.88       | -                   | -              | 213            | 233         | H        |
| 5      | * 4.91          | 51.21                | PK2  | 34.1           | -28.5                 | 0            | 56.81                      | -                  | -           | 74                  | -17.19         | 213            | 200         | V        |
|        | * 4.911         | 38.92                | MAv1 | 34.1           | -28.5                 | .12          | 44.64                      | 54                 | -9.36       | -                   | -              | 213            | 200         | V        |
| 7      | * 7.371         | 52.44                | PK2  | 35.7           | -26                   | 0            | 62.14                      | -                  | -           | 74                  | -11.86         | 36             | 106         | V        |
|        | * 7.372         | 38.15                | MAv1 | 35.7           | -26                   | .12          | 47.97                      | 54                 | -6.03       | -                   | -              | 36             | 106         | V        |
| 8      | * 12.662        | 35.5                 | PK2  | 39.3           | -22.9                 | 0            | 51.9                       | -                  | -           | 74                  | -22.1          | 36             | 102         | V        |
|        | * 12.662        | 24.3                 | MAv1 | 39.3           | -22.9                 | .12          | 40.82                      | 54                 | -13.18      | -                   | -              | 36             | 102         | V        |
| 2      | 2.633           | 43.32                | Pk   | 32.7           | -20.7                 | 0            | 55.32                      | -                  | -           | 74                  | -18.68         | 0-360          | 100         | H        |
| 3      | 2.633           | 40.49                | Pk   | 32.7           | -20.7                 | 0            | 52.49                      | -                  | -           | 74                  | -21.51         | 0-360          | 200         | V        |

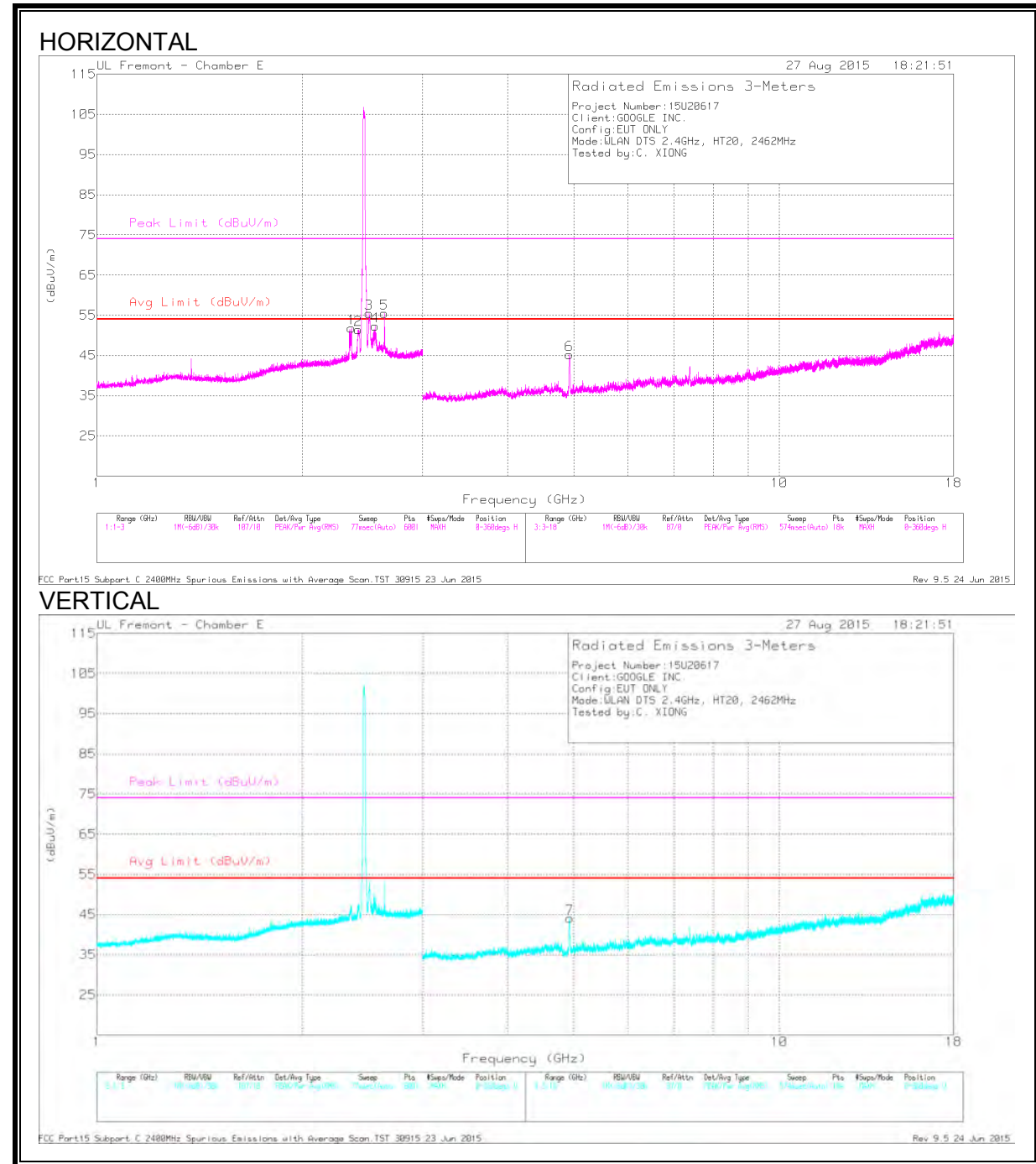
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**HIGH CHANNEL**



## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T346 (dB/m) | Amp/Cbl/FI tr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.36          | 50.11                | PK2  | 32             | -23.2                  | 0            | 58.91                      | -                  | -           | 74                  | -15.09         | 97             | 105         | H        |
|        | * 2.348         | 34.85                | MAv1 | 32             | -23.2                  | .12          | 43.77                      | 54                 | -10.23      | -                   | -              | 97             | 105         | H        |
| 6      | * 4.924         | 52.2                 | PK2  | 34.1           | -30.6                  | 0            | 55.7                       | -                  | -           | 74                  | -18.3          | 252            | 174         | H        |
|        | * 4.924         | 38.62                | MAv1 | 34.1           | -30.6                  | .12          | 42.24                      | 54                 | -11.76      | -                   | -              | 252            | 174         | H        |
| 7      | * 4.927         | 51.37                | PK2  | 34.1           | -30.6                  | 0            | 54.87                      | -                  | -           | 74                  | -19.13         | 25             | 343         | V        |
|        | * 4.928         | 37.8                 | MAv1 | 34.1           | -30.6                  | .12          | 41.42                      | 54                 | -12.58      | -                   | -              | 25             | 343         | V        |
| 2      | 2.414           | 42.59                | Pk   | 32.1           | -23.2                  | 0            | 51.49                      | -                  | -           | 74                  | -22.51         | 0-360          | 100         | H        |
| 3      | 2.505           | 46.22                | Pk   | 32.2           | -22.9                  | 0            | 55.52                      | -                  | -           | 74                  | -18.48         | 0-360          | 200         | H        |
| 4      | 2.557           | 42.97                | Pk   | 32.3           | -22.9                  | 0            | 52.37                      | -                  | -           | 74                  | -21.63         | 0-360          | 100         | H        |
| 5      | 2.638           | 45.64                | Pk   | 32.4           | -22.5                  | 0            | 55.54                      | -                  | -           | 74                  | -18.46         | 0-360          | 100         | H        |

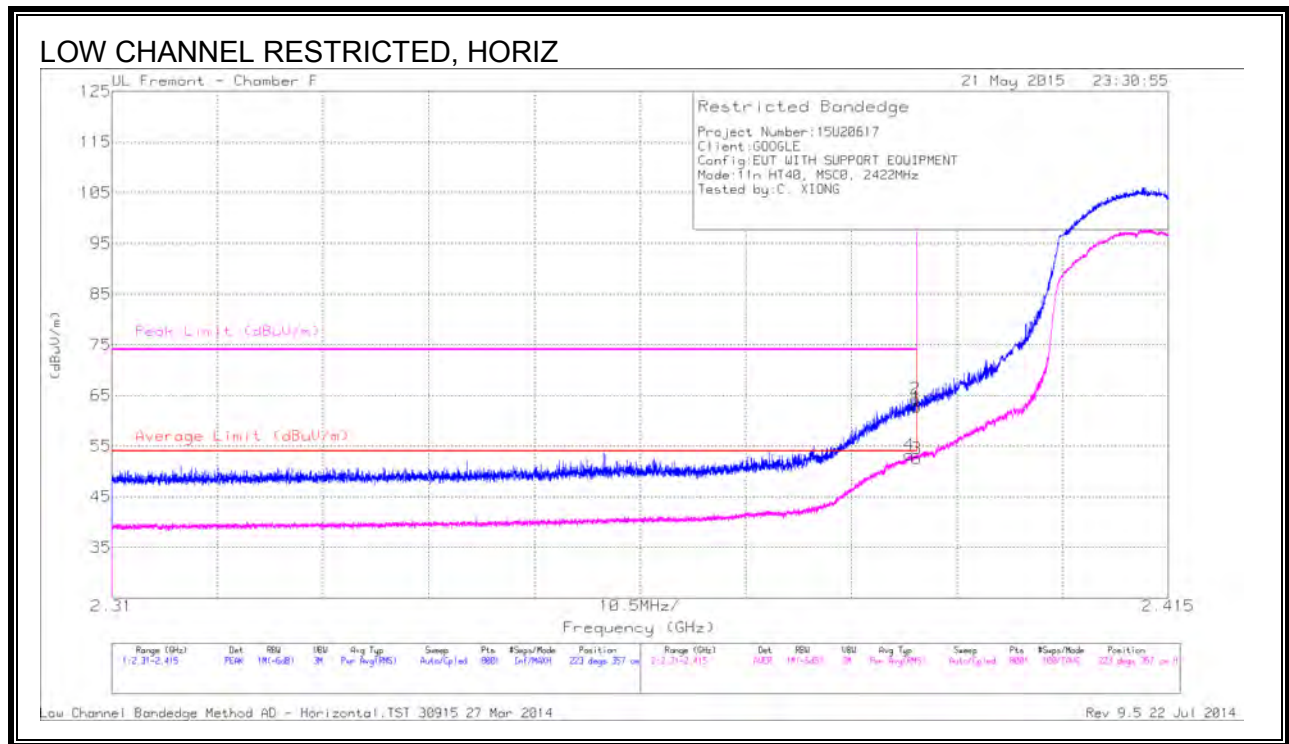
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

## 9.2.4. TX ABOVE 1 GHz 802.11n HT40 2TX MODE IN THE 2.4 GHz BAND

### RESTRICTED BANDEDGE (LOW CHANNEL)

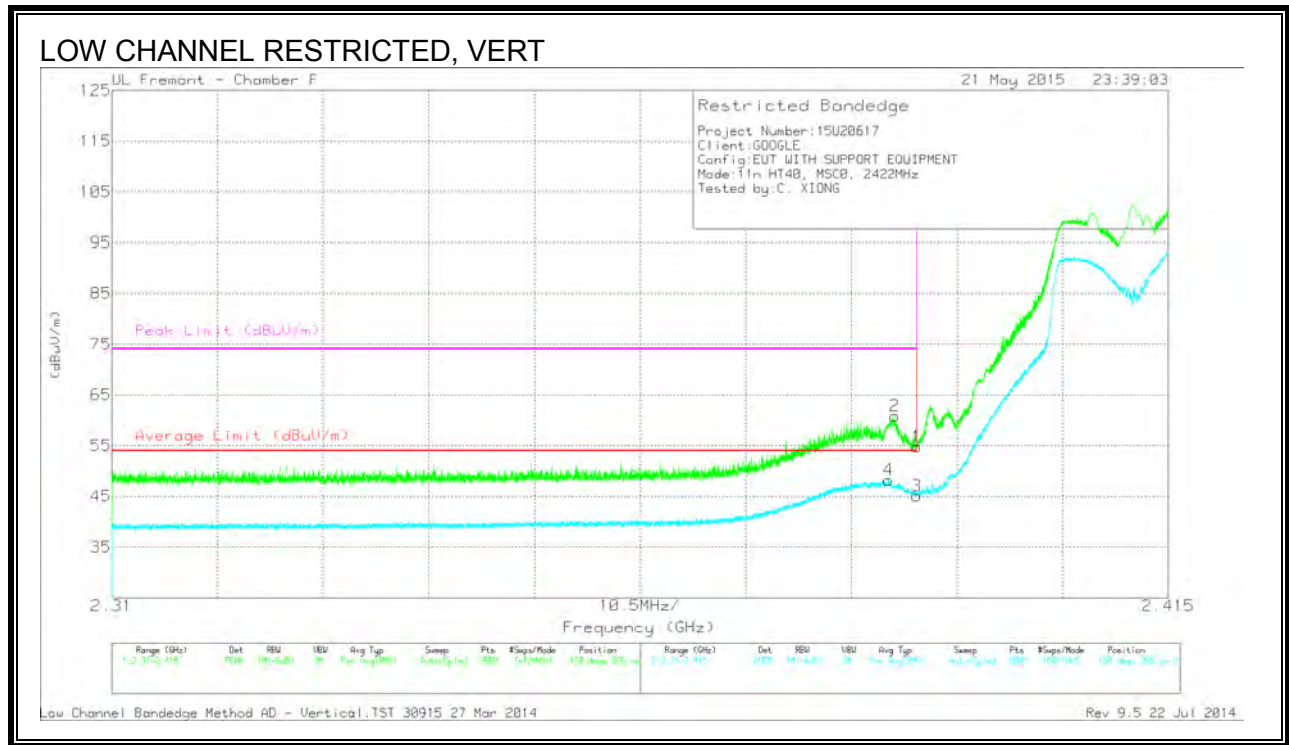


### Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cbl/Fitter/Pad (dB) | DC Corr (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          | 51.69                | PK  | 31.9           | -20.9                   | 0            | 62.69                      | -                      | -           | 74                  | -11.31         | 223            | 357         | H        |
| 2      | * 2.39          | 53.37                | PK  | 31.9           | -20.9                   | 0            | 64.37                      | -                      | -           | 74                  | -9.63          | 223            | 357         | H        |
| 3      | * 2.39          | 41.11                | RMS | 31.9           | -20.9                   | .35          | 52.46                      | 54                     | -1.54       | -                   | -              | 223            | 357         | H        |
| 4      | * 2.389         | 41.82                | RMS | 31.9           | -20.9                   | .35          | 53.17                      | 54                     | -.83        | -                   | -              | 223            | 357         | H        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

PK - Peak detector  
RMS - RMS detection



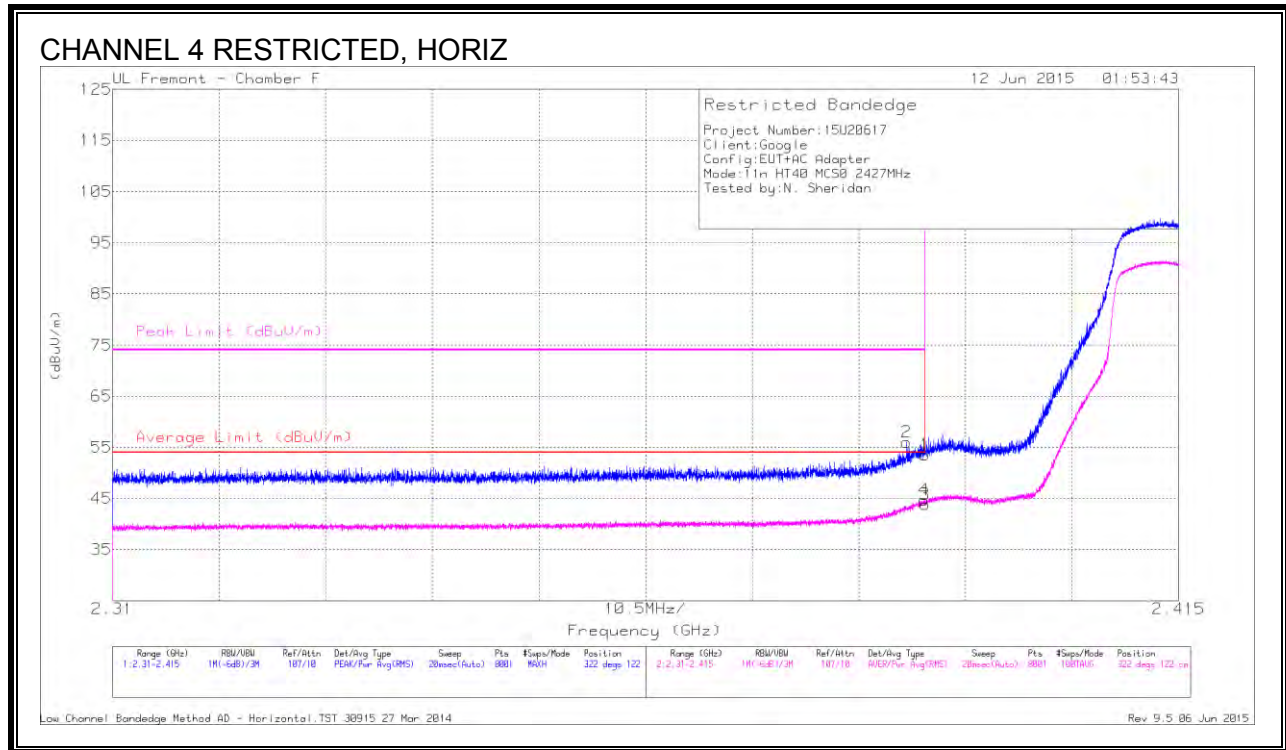
## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cbl/Plt r/Pad (dB) | DC Corr (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          | 43.74                | PK  | 31.9           | -20.9                  | 0            | 54.74                      | -                      | -           | 74                  | -19.26         | 150            | 356         | V        |
| 2      | * 2.388         | 49.85                | PK  | 31.9           | -20.9                  | 0            | 60.85                      | -                      | -           | 74                  | -13.15         | 150            | 356         | V        |
| 3      | * 2.39          | 34.02                | RMS | 31.9           | -20.9                  | .35          | 45.37                      | 54                     | -8.63       | -                   | -              | 150            | 356         | V        |
| 4      | * 2.387         | 37.24                | RMS | 31.9           | -20.9                  | .35          | 48.59                      | 54                     | -5.41       | -                   | -              | 150            | 356         | V        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

PK - Peak detector  
RMS - RMS detection

**RESTRICTED BANDEDGE (CHANNEL 4)**



**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cb/Fl tr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 42.51                | PK  | 31.9           | -20.9                 | 0            | 53.51                      | -                      | -           | 74                  | -20.49         | 322            | 122         | H        |
| 2      | * 2.388         | 44.96                | PK  | 31.9           | -20.9                 | 0            | 55.96                      | -                      | -           | 74                  | -18.04         | 322            | 122         | H        |
| 3      | * 2.39          | 32.37                | RMS | 31.9           | -20.9                 | .35          | 43.72                      | 54                     | -10.28      | -                   | -              | 322            | 122         | H        |
| 4      | * 2.39          | 33.3                 | RMS | 31.9           | -20.9                 | .35          | 44.65                      | 54                     | -9.35       | -                   | -              | 322            | 122         | H        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

PK - Peak detector  
RMS - RMS detection

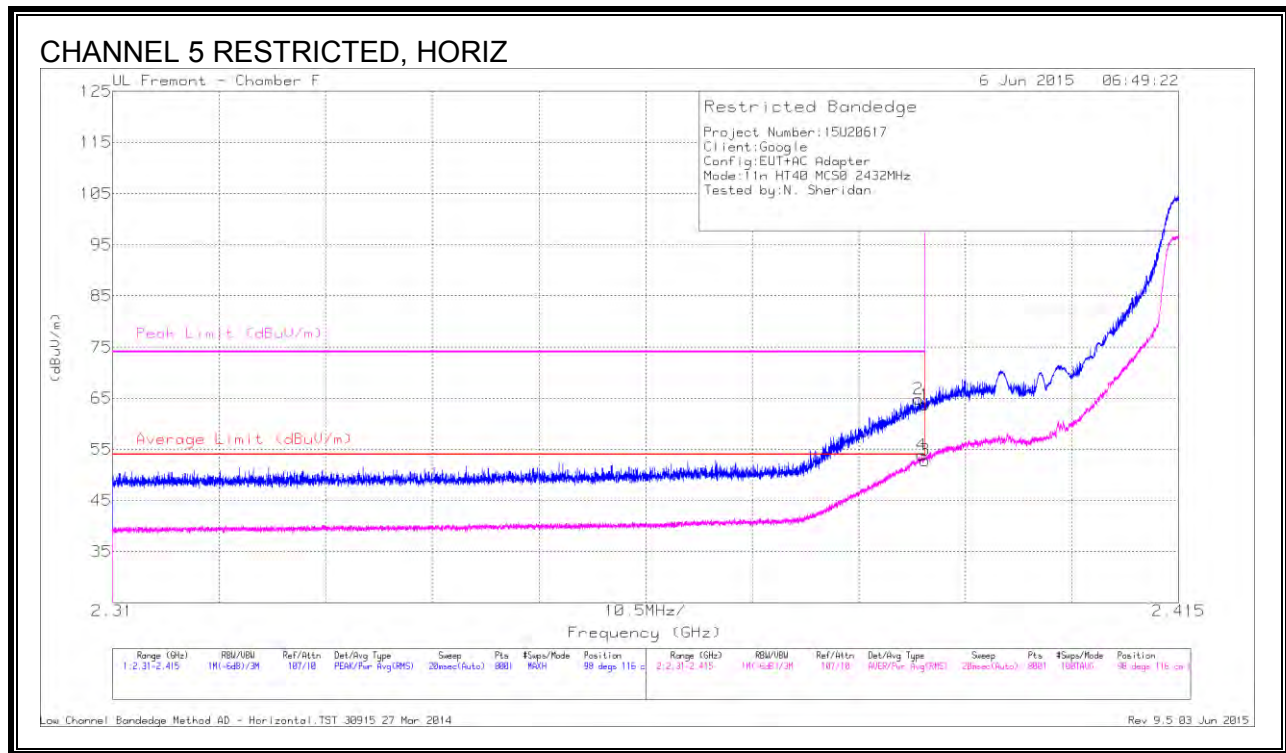


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/CbI/FI Tr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 50.63                | Pk  | 31.9           | -20.9                  | 0            | 61.63                      | -                      | -           | 74                  | -12.37         | 345            | 385         | V        |
| 2      | * 2.389         | 53.69                | Pk  | 31.9           | -20.9                  | 0            | 64.69                      | -                      | -           | 74                  | -9.31          | 345            | 385         | V        |
| 3      | * 2.39          | 40.3                 | RMS | 31.9           | -20.9                  | .35          | 51.65                      | 54                     | -2.35       | -                   | -              | 345            | 385         | V        |
| 4      | * 2.39          | 40.91                | RMS | 31.9           | -20.9                  | .35          | 52.26                      | 54                     | -1.74       | -                   | -              | 345            | 385         | V        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band”.

PK - Peak detector  
RMS - RMS detection

**RESTRICTED BANDEDGE (CHANNEL 5)**

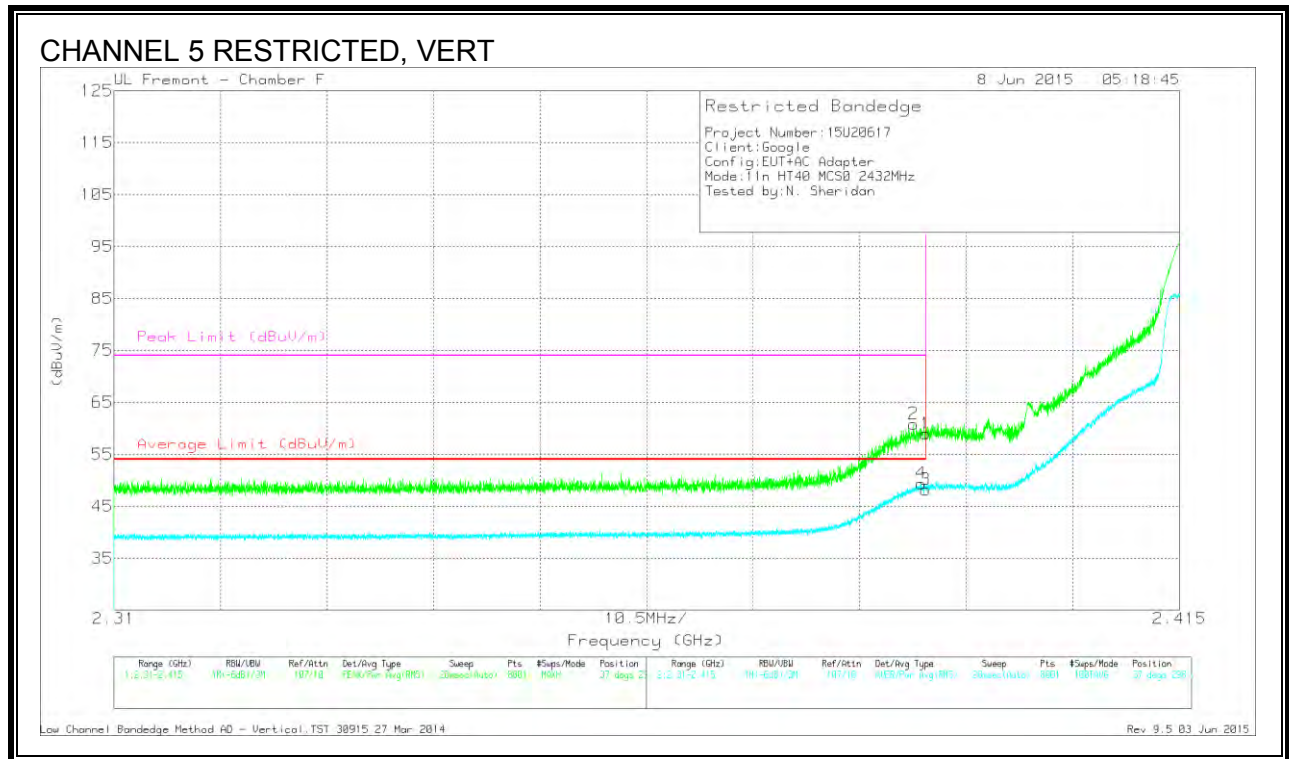


**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cbl/Fi tr/Pad (dB) | DC Corr (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          | 52.68                | PK  | 31.9           | -20.9                  | 0            | 63.68                      | -                      | -           | 74                  | -10.32         | 98             | 116         | H        |
| 2      | * 2.389         | 53.78                | PK  | 31.9           | -20.9                  | 0            | 64.78                      | -                      | -           | 74                  | -9.22          | 98             | 116         | H        |
| 3      | * 2.39          | 41.4                 | RMS | 31.9           | -20.9                  | .35          | 52.75                      | 54                     | -1.25       | -                   | -              | 98             | 116         | H        |
| 4      | * 2.39          | 42.41                | RMS | 31.9           | -20.9                  | .35          | 53.76                      | 54                     | -.24        | -                   | -              | 98             | 116         | H        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

PK - Peak detector  
RMS - RMS detection



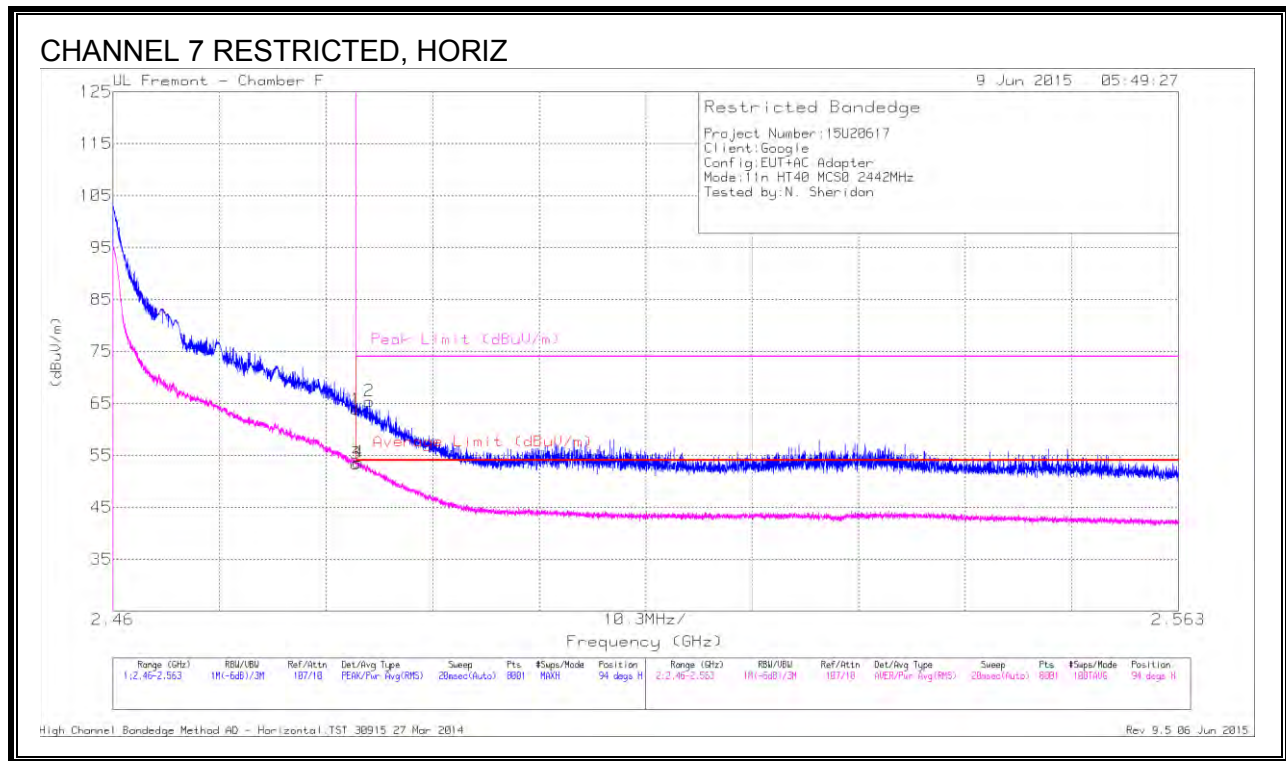
## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cb/F1 tri/Pad (dB) | DC Corr (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          | 48.01                | Pk  | 31.9           | -20.9                  | 0            | 59.01                      | -                      | -           | 74                  | -14.99         | 37             | 298         | V        |
| 2      | * 2.389         | 49.87                | Pk  | 31.9           | -20.9                  | 0            | 60.87                      | -                      | -           | 74                  | -13.13         | 37             | 298         | V        |
| 3      | * 2.39          | 36.76                | RMS | 31.9           | -20.9                  | .35          | 48.11                      | 54                     | -5.89       | -                   | -              | 37             | 298         | V        |
| 4      | * 2.39          | 37.97                | RMS | 31.9           | -20.9                  | .35          | 49.32                      | 54                     | -4.68       | -                   | -              | 37             | 298         | V        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

PK - Peak detector  
RMS - RMS detection

**RESTRICTED BANDEDGE (CHANNEL 7)**

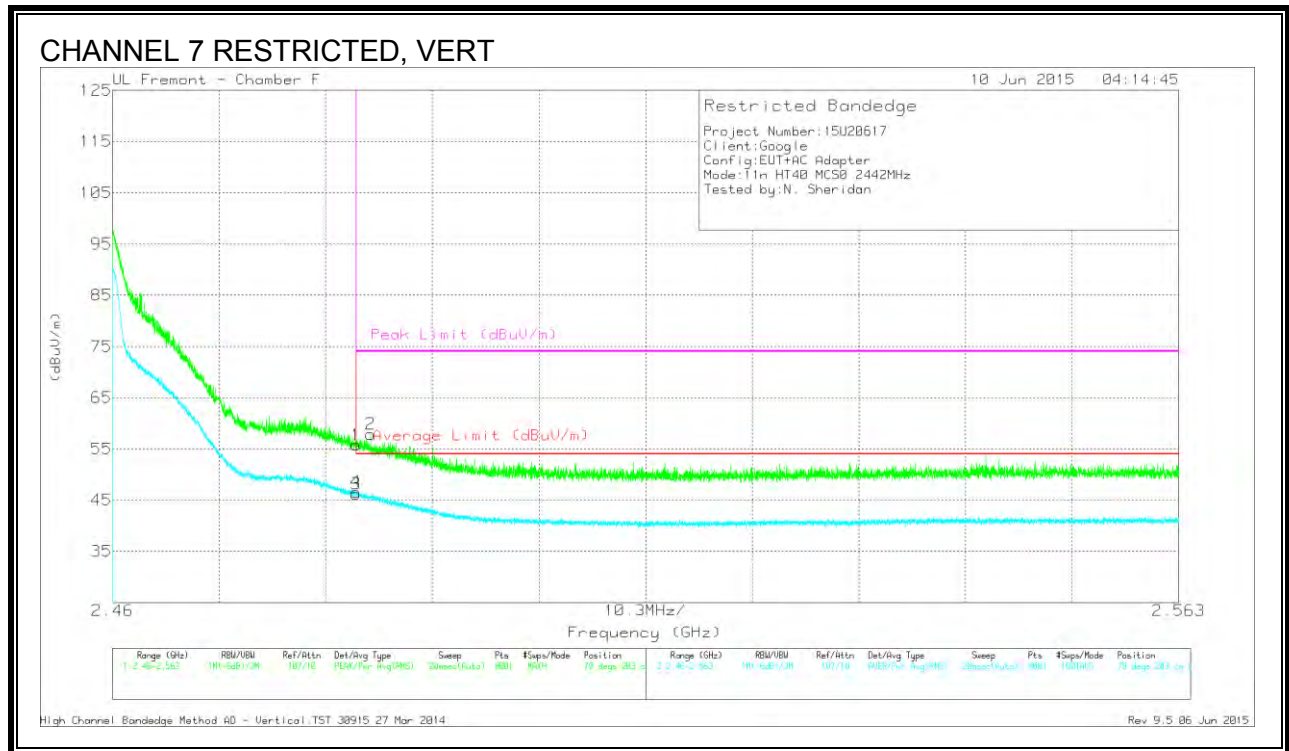


**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dBm) | Amp/Cbl/FI tr/Pad (dB) | DC Corr (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         | 52.6                 | Pk  | 32.2          | -20.9                  | 0            | 63.9                       | -                      | -           | 74                  | -10.1          | 94             | 119         | H        |
| 2      | * 2.485         | 54.11                | Pk  | 32.2          | -20.9                  | 0            | 65.41                      | -                      | -           | 74                  | -8.59          | 94             | 119         | H        |
| 3      | * 2.484         | 41.7                 | RMS | 32.2          | -20.9                  | .35          | 53.35                      | 54                     | -65         | -                   | -              | 94             | 119         | H        |
| 4      | * 2.484         | 41.94                | RMS | 32.2          | -20.9                  | .35          | 53.59                      | 54                     | -41         | -                   | -              | 94             | 119         | H        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

PK - Peak detector  
RMS - RMS detection



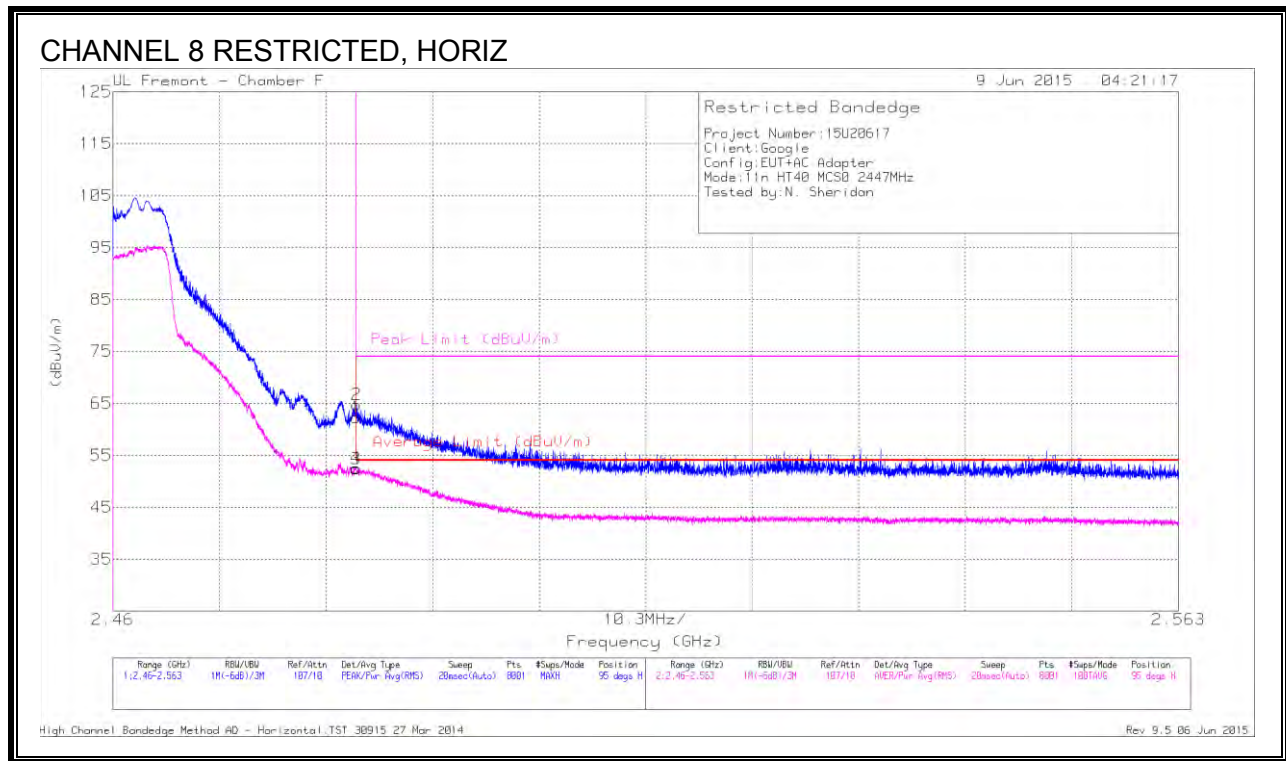
## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cbl/FI tr/Pad (dB) | DC Corr (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         | 44.49                | Pk  | 32.2           | -20.9                  | 0            | 55.79                      | -                      | -           | 74                  | -18.21         | 79             | 203         | V        |
| 2      | * 2.485         | 46.6                 | Pk  | 32.2           | -20.9                  | 0            | 57.9                       | -                      | -           | 74                  | -16.1          | 79             | 203         | V        |
| 3      | * 2.484         | 34.49                | RMS | 32.2           | -20.9                  | .35          | 46.14                      | 54                     | -7.86       | -                   | -              | 79             | 203         | V        |
| 4      | * 2.484         | 34.79                | RMS | 32.2           | -20.9                  | .35          | 46.44                      | 54                     | -7.56       | -                   | -              | 79             | 203         | V        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

PK - Peak detector  
RMS - RMS detection

**RESTRICTED BANDEDGE (CHANNEL 8)**

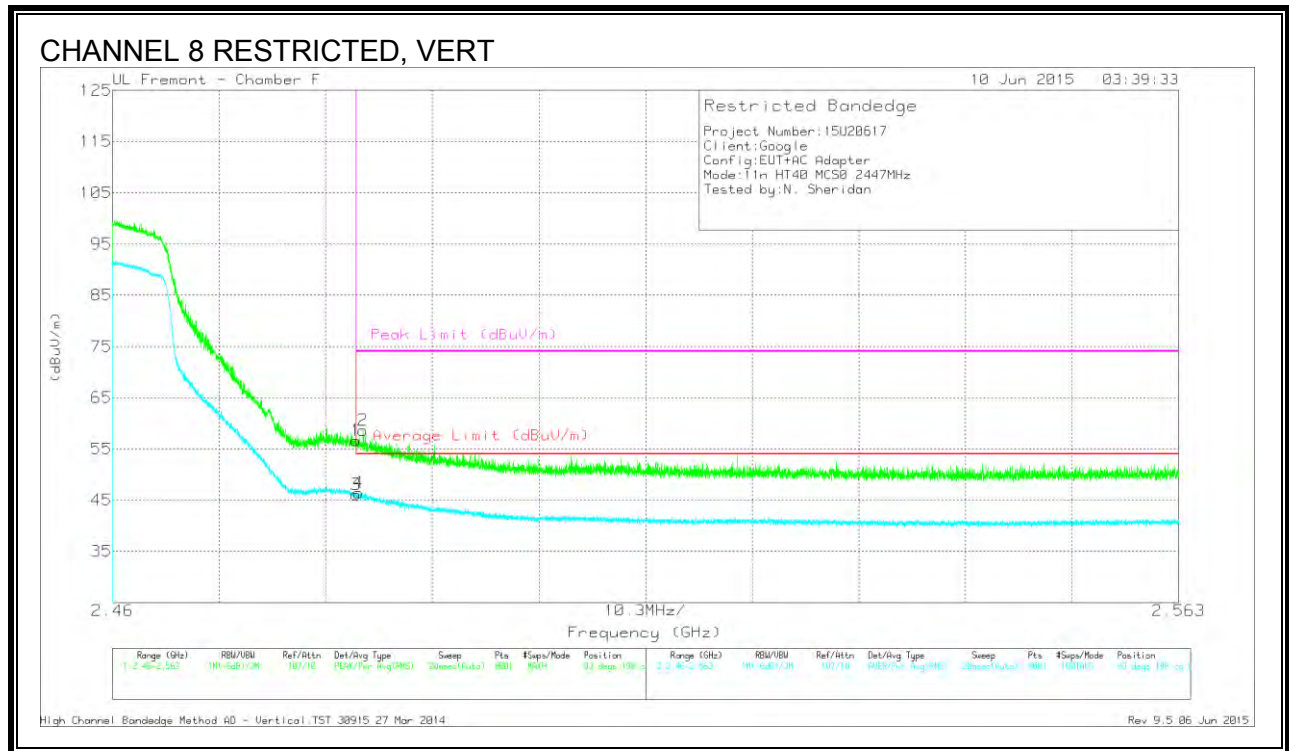


**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dBm) | Amp/Cbl/FI tr/Pad (dB) | DC Corr (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         | 50.97                | Pk  | 32.2          | -20.9                  | 0            | 62.27                      | -                      | -           | 74                  | -11.73         | 95             | 110         | H        |
| 2      | * 2.484         | 53.42                | Pk  | 32.2          | -20.9                  | 0            | 64.72                      | -                      | -           | 74                  | -9.28          | 95             | 110         | H        |
| 3      | * 2.484         | 40.65                | RMS | 32.2          | -20.9                  | .35          | 52.30                      | 54                     | -1.7        | -                   | -              | 95             | 110         | H        |
| 4      | * 2.484         | 40.79                | RMS | 32.2          | -20.9                  | .35          | 52.44                      | 54                     | -1.56       | -                   | -              | 95             | 110         | H        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

PK - Peak detector  
RMS - RMS detection



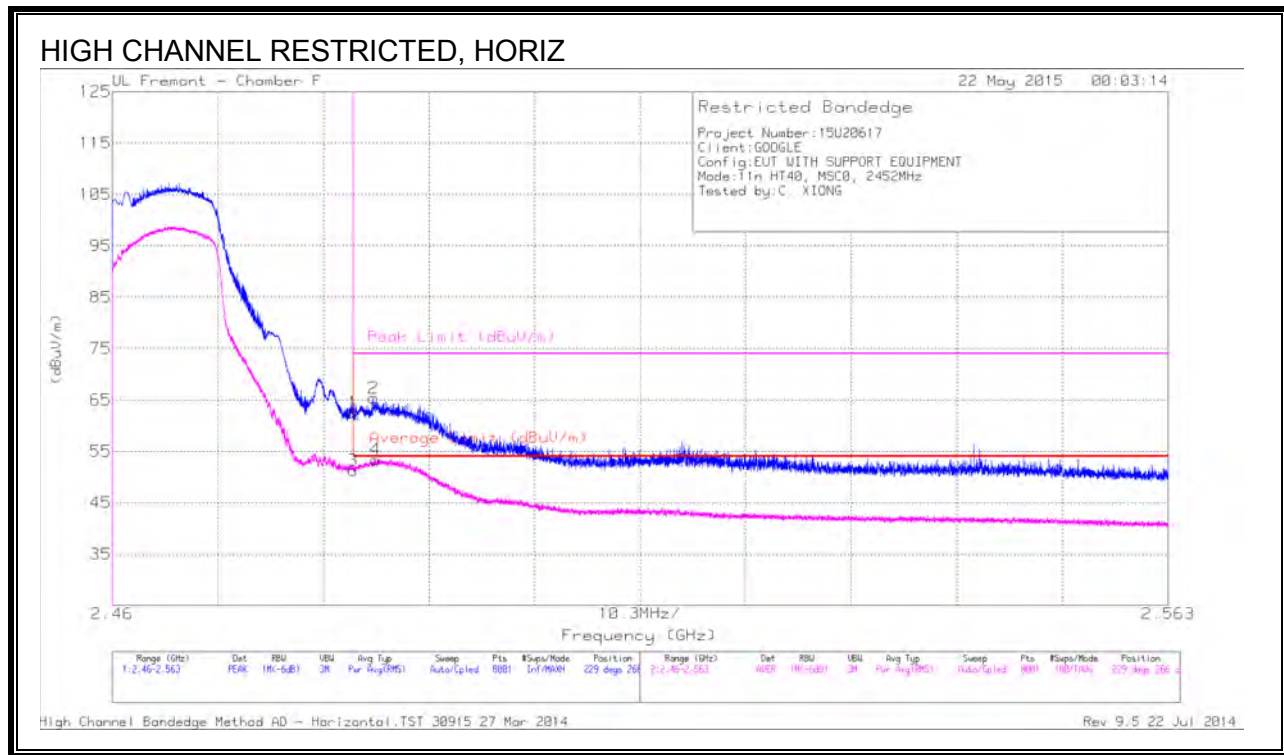
## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cbl/FI tr/Pad (dB) | DC Corr (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         | 45.3                 | PK  | 32.2           | -20.9                  | 0            | 56.6                       | -                      | -           | 74                  | -17.4          | 83             | 198         | V        |
| 2      | * 2.484         | 47.3                 | PK  | 32.2           | -20.9                  | 0            | 58.6                       | -                      | -           | 74                  | -15.4          | 83             | 198         | V        |
| 3      | * 2.484         | 34.36                | RMS | 32.2           | -20.9                  | .35          | 46.01                      | 54                     | -7.99       | -                   | -              | 83             | 198         | V        |
| 4      | * 2.484         | 34.71                | RMS | 32.2           | -20.9                  | .35          | 46.36                      | 54                     | -7.64       | -                   | -              | 83             | 198         | V        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

PK - Peak detector  
RMS - RMS detection

**RESTRICTED BANDEDGE (HIGH CHANNEL)**

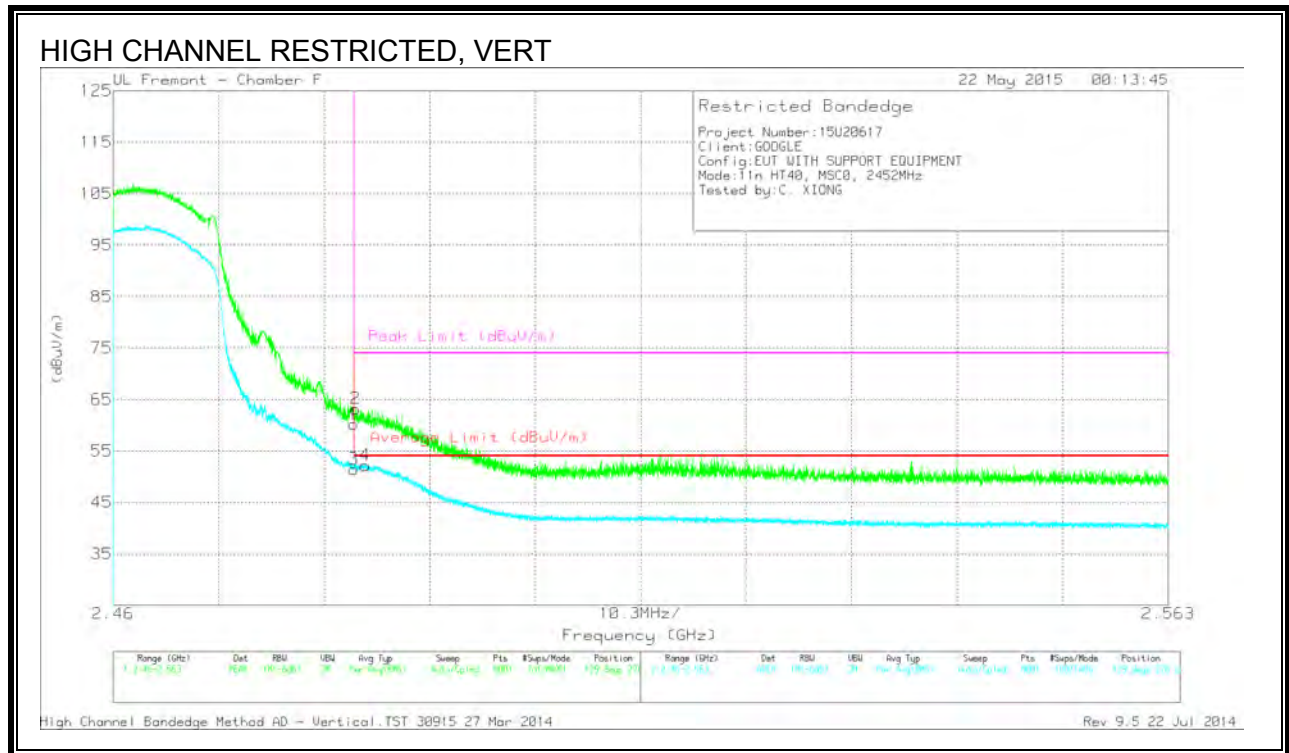


**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cbl/Fit r/Pad (dB) | DC Corr (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         | 51.22                | PK  | 32.2           | -20.9                  | 0            | 62.52                      | -                      | -           | 74                  | -11.48         | 229            | 266         | H        |
| 2      | * 2.485         | 54.05                | PK  | 32.2           | -20.9                  | 0            | 65.35                      | -                      | -           | 74                  | -8.65          | 229            | 266         | H        |
| 3      | * 2.484         | 39.54                | RMS | 32.2           | -20.9                  | .35          | 51.19                      | 54                     | -2.81       | -                   | -              | 229            | 266         | H        |
| 4      | * 2.486         | 41.68                | RMS | 32.2           | -20.9                  | .35          | 53.33                      | 54                     | -.67        | -                   | -              | 229            | 266         | H        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band".

PK - Peak detector  
RMS - RMS detection



## Trace Markers

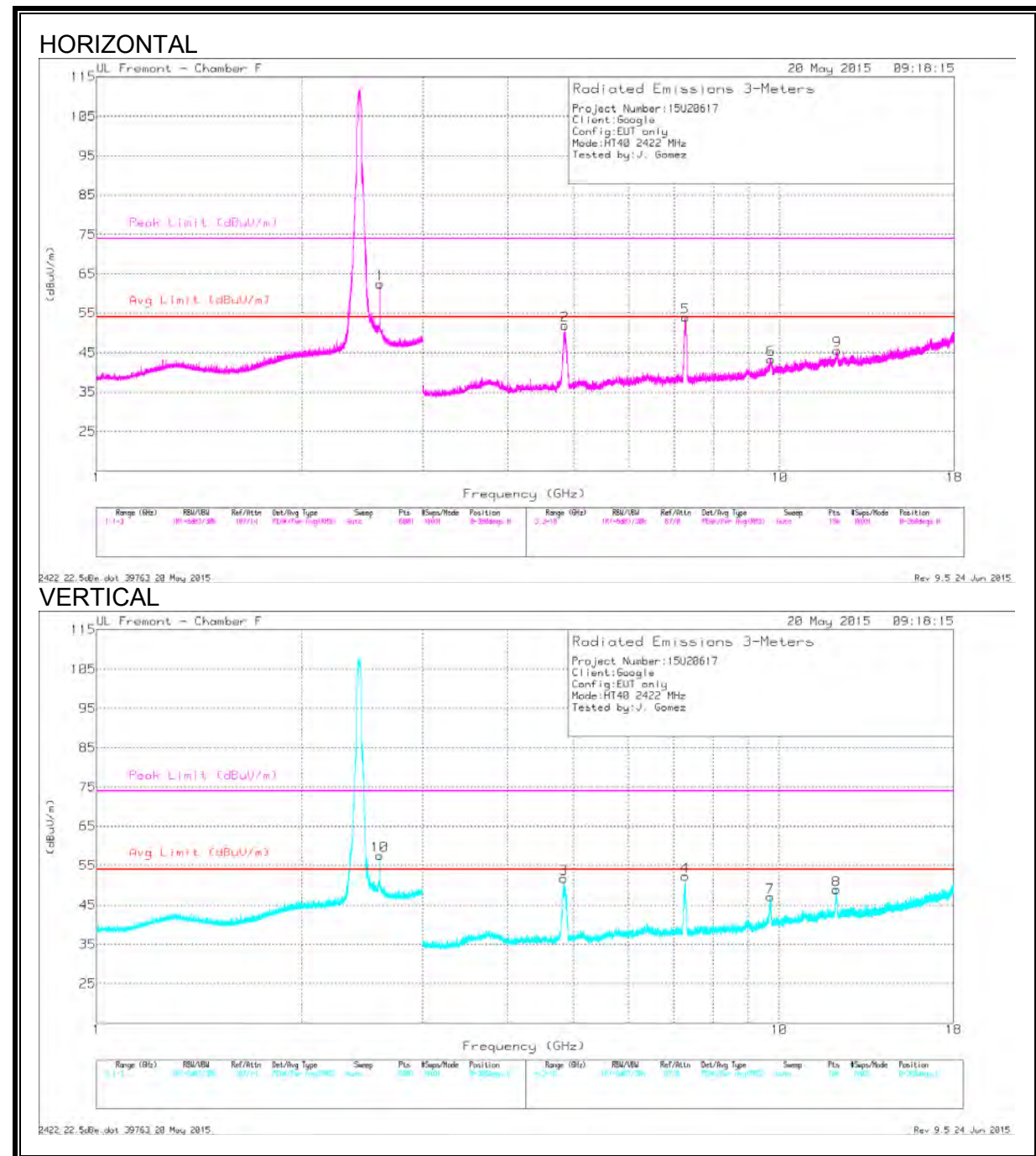
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T120 (dB/m) | Amp/Cbl/Fit r/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 48.95                | PK  | 32.2           | -20.9                  | 0            | 60.25                      | -                      | -           | 74                  | -13.75         | 129            | 276         | V        |
| 2      | * 2.484         | 51.91                | PK  | 32.2           | -20.9                  | 0            | 63.21                      | -                      | -           | 74                  | -10.79         | 129            | 276         | V        |
| 3      | * 2.484         | 40.14                | RMS | 32.2           | -20.9                  | .35          | 51.79                      | 54                     | -2.21       | -                   | -              | 129            | 276         | V        |
| 4      | * 2.485         | 40.89                | RMS | 32.2           | -20.9                  | .35          | 52.54                      | 54                     | -1.46       | -                   | -              | 129            | 276         | V        |

\* - indicates frequency in CFR 47, Part 15 Restricted Band<sup>®</sup>.

PK - Peak detector  
RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL



## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T120 (dB/m) | Amp/Cbl/FI tr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 2.598           | 50.61                | Pk   | 32.6           | -20.8                  | 0            | 62.41                      | -                  | -           | 74                  | -11.59         | 0-360          | 201         | H        |
| 10     | 2.598           | 45.83                | Pk   | 32.6           | -20.8                  | 0            | 57.63                      | -                  | -           | 74                  | -16.37         | 0-360          | 201         | V        |
| 2      | * 4.842         | 55.41                | PK2  | 34.1           | -27.7                  | 0            | 61.81                      | -                  | -           | 74                  | -12.19         | 313            | 209         | H        |
|        | * 4.844         | 44.59                | MAv1 | 34.1           | -27.7                  | .35          | 51.34                      | 54                 | -2.66       | -                   | -              | 313            | 209         | H        |
| 5      | * 7.261         | 53.99                | PK2  | 35.7           | -26.4                  | 0            | 63.29                      | -                  | -           | 74                  | -10.71         | 343            | 291         | H        |
|        | * 7.28          | 42.54                | MAv1 | 35.7           | -26.2                  | .35          | 52.39                      | 54                 | -1.43       | -                   | -              | 343            | 291         | H        |
| 6      | 9.708           | 28.88                | Pk   | 37.1           | -22.7                  | 0            | 43.28                      | -                  | -           | 74                  | -30.72         | 0-360          | 101         | H        |
| 9      | * 12.132        | 34.56                | PK2  | 39.1           | -22                    | 0            | 51.66                      | -                  | -           | 74                  | -22.34         | 125            | 391         | H        |
|        | * 12.131        | 23.03                | MAv1 | 39.1           | -22                    | .35          | 40.48                      | 54                 | -13.52      | -                   | -              | 125            | 391         | H        |
| 3      | * 4.859         | 55                   | PK2  | 34.1           | -27.7                  | 0            | 61.4                       | -                  | -           | 74                  | -12.6          | 277            | 286         | V        |
|        | * 4.839         | 43.78                | MAv1 | 34.1           | -27.7                  | .35          | 50.53                      | 54                 | -3.47       | -                   | -              | 277            | 286         | V        |
| 4      | * 7.276         | 56.41                | PK2  | 35.7           | -26.2                  | 0            | 65.91                      | -                  | -           | 74                  | -8.09          | 69             | 288         | V        |
|        | * 7.273         | 43.74                | MAv1 | 35.7           | -26.2                  | .35          | 53.59                      | 54                 | -.41        | -                   | -              | 69             | 288         | V        |
| 7      | 9.7             | 32.66                | Pk   | 37             | -22.6                  | 0            | 47.06                      | -                  | -           | 74                  | -26.94         | 0-360          | 201         | V        |
| 8      | * 12.115        | 35.03                | PK2  | 39.1           | -22.1                  | 0            | 52.03                      | -                  | -           | 74                  | -21.97         | 273            | 132         | V        |
|        | * 12.114        | 23.09                | MAv1 | 39.1           | -22.1                  | .35          | 40.44                      | 54                 | -13.38      | -                   | -              | 273            | 132         | V        |

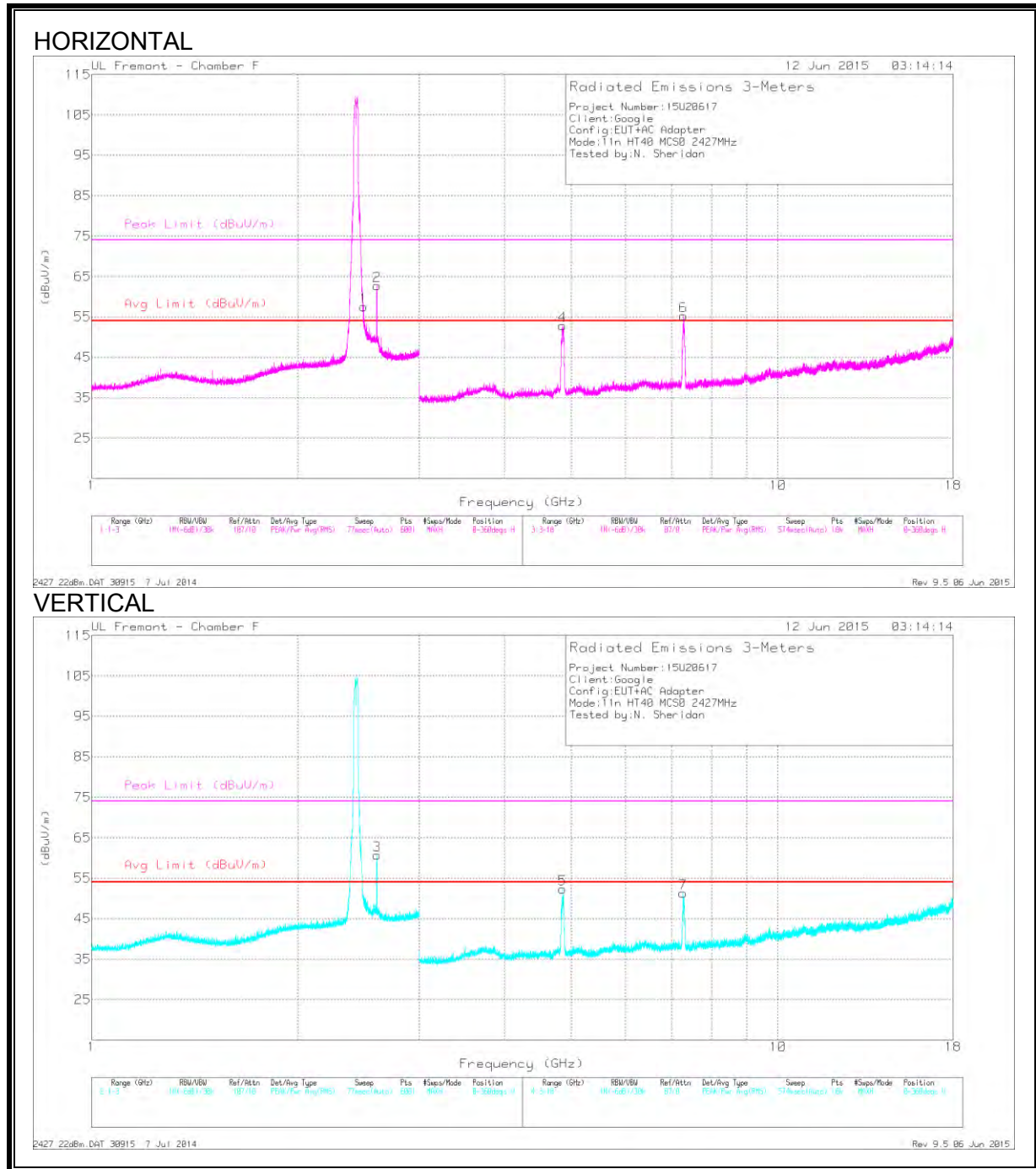
\* - indicates frequency in CFR 47, Part 15.

PK - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**CHANNEL 4**



## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T120 (dB/m) | Amp/Cbl /Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.49          | 56.03                | PK2  | 32.2           | -20.9                   | 0            | 67.33                      | -                  | -           | 74                  | -6.67          | 98             | 124         | H        |
|        | * 2.49          | 41.37                | MAv1 | 32.2           | -20.9                   | .35          | 53.02                      | 54                 | -.98        | -                   | -              | 98             | 124         | H        |
| 2      | 2.603           | 47.32                | PK2  | 32.6           | -20.8                   | 0            | 59.12                      | -                  | -           | 74                  | -14.88         | 343            | 101         | H        |
|        | 2.603           | 40.35                | MAv1 | 32.6           | -20.8                   | .35          | 52.5                       | 54                 | -1.50       | -                   | -              | 343            | 101         | H        |
| 3      | 2.603           | 44.93                | PK2  | 32.6           | -20.8                   | 0            | 56.73                      | -                  | -           | 74                  | -17.27         | 343            | 202         | V        |
|        | 2.603           | 36.66                | MAv1 | 32.6           | -20.8                   | .35          | 48.81                      | 54                 | -5.19       | -                   | -              | 343            | 202         | V        |
| 6      | * 7.288         | 57.34                | PK2  | 35.7           | -26.2                   | 0            | 66.84                      | -                  | -           | 74                  | -7.16          | 255            | 218         | H        |
|        | * 7.288         | 43.59                | MAv1 | 35.7           | -26.2                   | .35          | 53.44                      | 54                 | -.56        | -                   | -              | 255            | 218         | H        |
| 4      | * 4.854         | 54.35                | PK2  | 34.1           | -27.7                   | 0            | 60.75                      | -                  | -           | 74                  | -13.25         | 217            | 217         | H        |
|        | * 4.854         | 42.84                | MAv1 | 34.1           | -27.7                   | .35          | 49.59                      | 54                 | -4.41       | -                   | -              | 217            | 217         | H        |
| 5      | * 4.856         | 49.13                | PK2  | 34.1           | -27.7                   | 0            | 55.53                      | -                  | -           | 74                  | -18.47         | 217            | 200         | V        |
|        | * 4.856         | 37.73                | MAv1 | 34.1           | -27.7                   | .35          | 44.48                      | 54                 | -9.52       | -                   | -              | 217            | 200         | V        |
| 7      | * 7.273         | 48.84                | PK2  | 35.7           | -26.2                   | 0            | 58.34                      | -                  | -           | 74                  | -15.66         | 343            | 259         | V        |
|        | * 7.273         | 36.39                | MAv1 | 35.7           | -26.2                   | .35          | 46.24                      | 54                 | -7.76       | -                   | -              | 343            | 259         | V        |

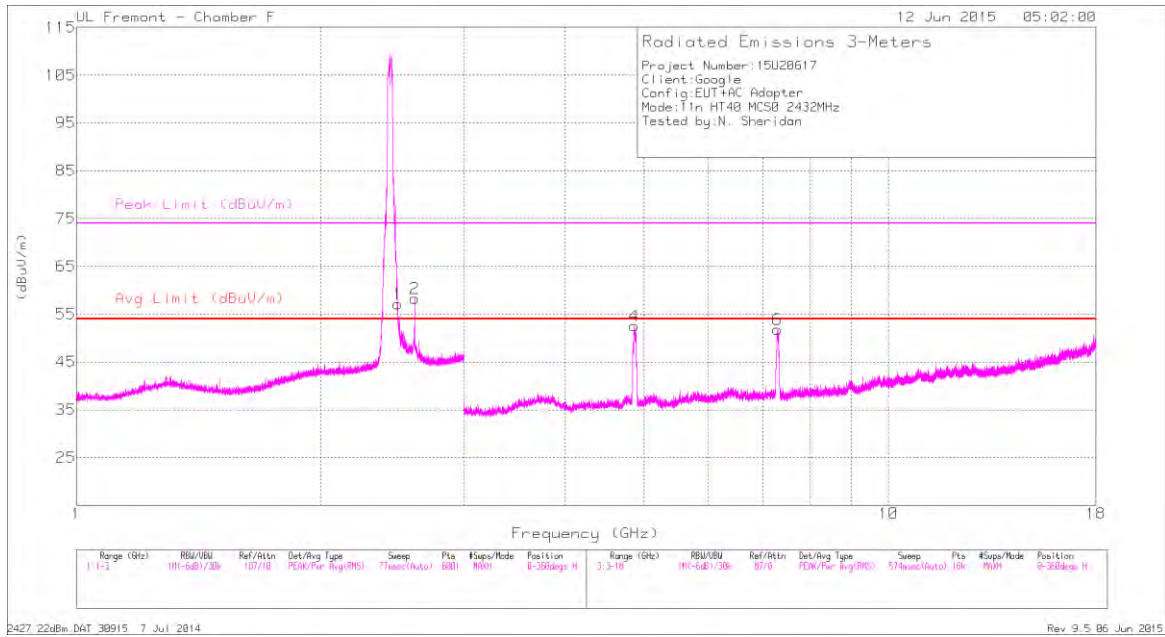
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

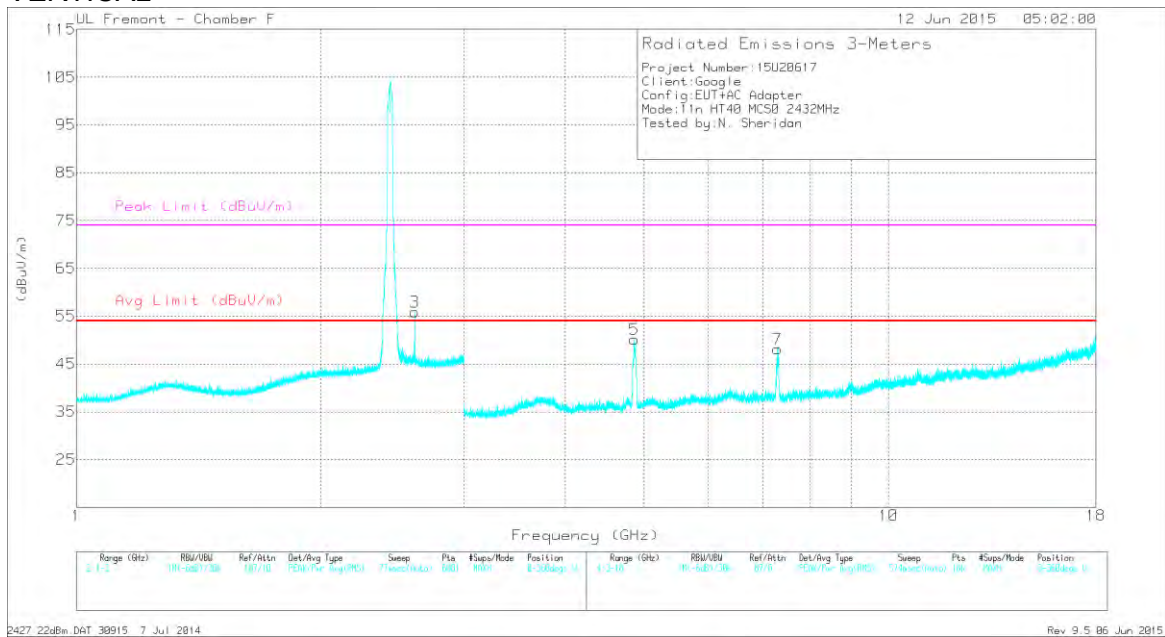
MAv1 - KDB558074 Option 1 Maximum RMS Average

**CHANNEL 5**

**HORIZONTAL**



**VERTICAL**



## Trace Markers

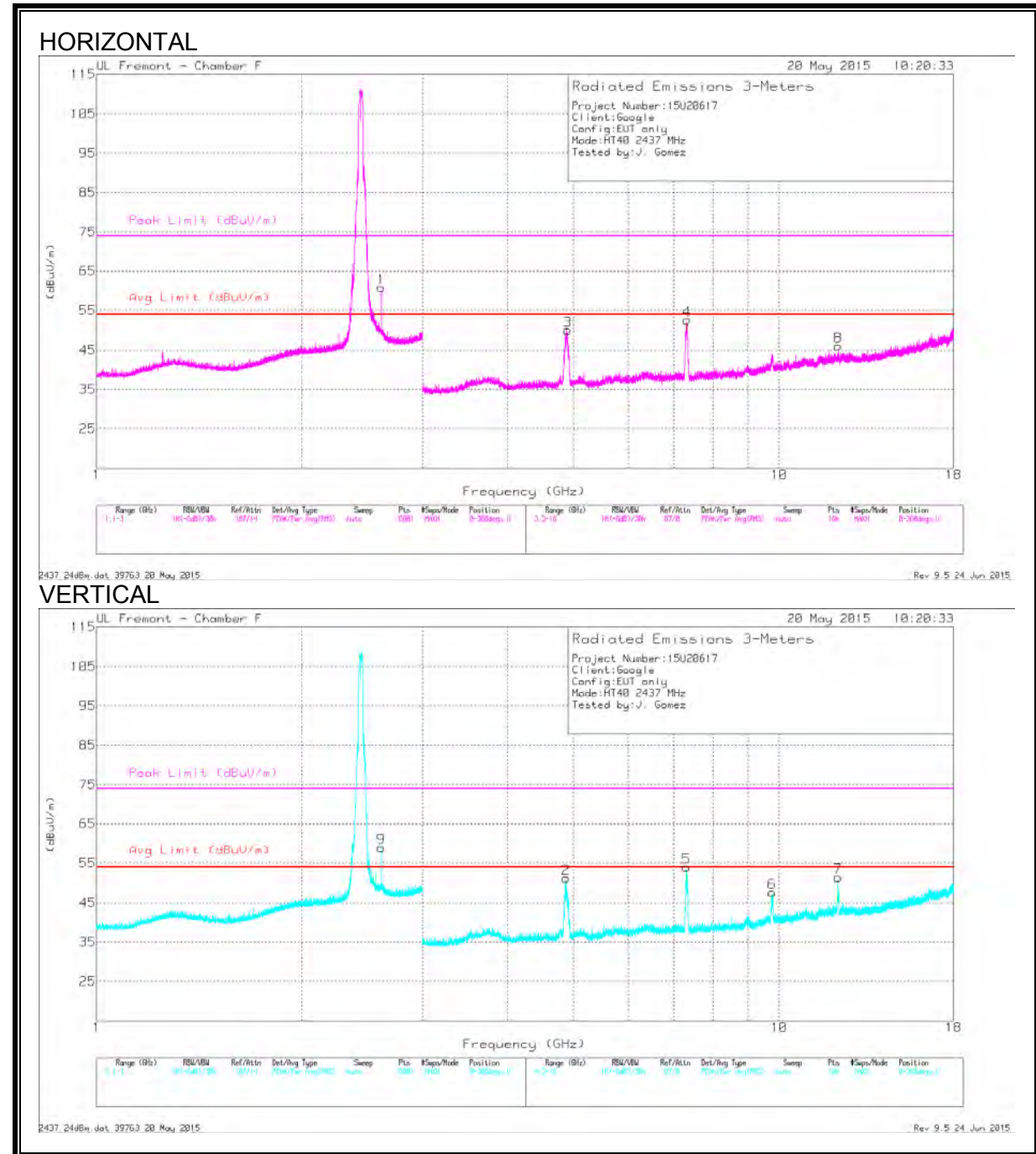
| Marker | Frequen<br>cy<br>(GHz) | Meter<br>Reading<br>(dBuV) | Det  | AF T120<br>(dB/m) | Amp/Cbl<br>/Filtr/Pad<br>(dB) | DC Corr<br>(dB) | Correcte<br>d<br>Reading<br>(dBuV/m<br>) | Avg<br>Limit<br>(dBuV/m<br>) | Margin<br>(dB) | Peak<br>Limit<br>(dBuV/m<br>) | PK<br>Margin<br>(dB) | Azimuth<br>(Degs) | Height<br>(cm) | Polarity |
|--------|------------------------|----------------------------|------|-------------------|-------------------------------|-----------------|------------------------------------------|------------------------------|----------------|-------------------------------|----------------------|-------------------|----------------|----------|
| 1      | * 2.487                | 55.75                      | PK2  | 32.2              | -20.9                         | 0               | 67.05                                    | -                            | -              | 74                            | -6.95                | 98                | 118            | H        |
|        | * 2.485                | 41.61                      | MAv1 | 32.2              | -20.9                         | .35             | 53.26                                    | 54                           | -.74           | -                             | -                    | 98                | 118            | H        |
| 2      | 2.606                  | 46.79                      | PK2  | 32.6              | -20.8                         | 0               | 58.59                                    | -                            | -              | 74                            | -15.41               | 214               | 100            | H        |
|        | 2.606                  | 34.79                      | MAv1 | 32.6              | -20.8                         | .35             | 46.94                                    | 54                           | -7.06          | -                             | -                    | 214               | 100            | H        |
| 3      | 2.608                  | 43.39                      | PK2  | 32.6              | -20.8                         | 0               | 55.19                                    | -                            | -              | 74                            | -18.81               | 214               | 201            | V        |
|        | 2.608                  | 33.29                      | MAv1 | 32.6              | -20.8                         | .35             | 45.44                                    | 54                           | -8.56          | -                             | -                    | 214               | 201            | V        |
| 6      | * 7.301                | 53.27                      | PK2  | 35.7              | -26.3                         | 0               | 62.67                                    | -                            | -              | 74                            | -11.33               | 274               | 223            | H        |
|        | * 7.302                | 40.09                      | MAv1 | 35.7              | -26.3                         | .35             | 49.84                                    | 54                           | -4.16          | -                             | -                    | 274               | 223            | H        |
| 4      | * 4.863                | 55.29                      | PK2  | 34.1              | -27.7                         | 0               | 61.69                                    | -                            | -              | 74                            | -12.31               | 214               | 291            | H        |
|        | * 4.861                | 42.65                      | MAv1 | 34.1              | -27.7                         | .35             | 49.40                                    | 54                           | -4.60          | -                             | -                    | 214               | 291            | H        |
| 5      | * 4.864                | 47.78                      | PK2  | 34.1              | -27.7                         | 0               | 54.18                                    | -                            | -              | 74                            | -19.82               | 214               | 201            | V        |
|        | * 4.862                | 36.49                      | MAv1 | 34.1              | -27.7                         | .35             | 43.24                                    | 54                           | -10.76         | -                             | -                    | 214               | 201            | V        |
| 7      | * 7.303                | 50.46                      | PK2  | 35.7              | -26.3                         | 0               | 59.86                                    | -                            | -              | 74                            | -14.14               | 326               | 354            | V        |
|        | * 7.302                | 37.43                      | MAv1 | 35.7              | -26.3                         | .35             | 47.18                                    | 54                           | -6.82          | -                             | -                    | 326               | 354            | V        |

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**MID CHANNEL**



## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T120 (dB/m) | Amp/Cbl/FI tr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 2.613           | 48.62                | Pk   | 32.6           | -20.8                  | 0            | 60.42                      | -                  | -           | 74                  | -13.58         | 0-360          | 201         | H        |
| 9      | 2.613           | 47.21                | Pk   | 32.6           | -20.8                  | 0            | 59.01                      | -                  | -           | 74                  | -14.99         | 0-360          | 201         | V        |
| 3      | * 4.874         | 54.15                | PK2  | 34.1           | -27.8                  | 0            | 60.45                      | -                  | -           | 74                  | -13.55         | 313            | 279         | H        |
|        | * 4.876         | 42.81                | MAv1 | 34.1           | -27.8                  | .35          | 49.46                      | 54                 | -4.54       | -                   | -              | 313            | 279         | H        |
| 4      | * 7.317         | 55.04                | PK2  | 35.7           | -26.3                  | 0            | 64.44                      | -                  | -           | 74                  | -9.56          | 0              | 165         | H        |
|        | * 7.318         | 43.41                | MAv1 | 35.7           | -26.3                  | .35          | 53.16                      | 54                 | -.84        | -                   | -              | 0              | 165         | H        |
| 8      | * 12.214        | 37.15                | PK2  | 39             | -22.7                  | 0            | 53.45                      | -                  | -           | 74                  | -20.55         | 35             | 242         | H        |
|        | * 12.2          | 25.21                | MAv1 | 39             | -22.6                  | .35          | 41.96                      | 54                 | -12.04      | -                   | -              | 35             | 242         | H        |
| 2      | * 4.849         | 53.48                | PK2  | 34.1           | -27.7                  | 0            | 59.88                      | -                  | -           | 74                  | -14.12         | 271            | 255         | V        |
|        | * 4.87          | 42.74                | MAv1 | 34.1           | -27.7                  | .35          | 49.49                      | 54                 | -4.51       | -                   | -              | 271            | 255         | V        |
| 5      | * 7.316         | 55.4                 | PK2  | 35.7           | -26.3                  | 0            | 64.8                       | -                  | -           | 74                  | -9.2           | 57             | 310         | V        |
|        | * 7.317         | 44                   | MAv1 | 35.7           | -26.3                  | .35          | 53.75                      | 54                 | -.25        | -                   | -              | 57             | 310         | V        |
| 6      | 9.761           | 32.77                | Pk   | 37.1           | -22.7                  | 0            | 47.17                      | -                  | -           | 74                  | -26.83         | 0-360          | 201         | V        |
| 7      | * 12.202        | 38.22                | PK2  | 39             | -22.7                  | 0            | 54.52                      | -                  | -           | 74                  | -19.48         | 259            | 257         | V        |
|        | * 12.203        | 26.02                | MAv1 | 39             | -22.7                  | .35          | 42.67                      | 54                 | -11.33      | -                   | -              | 259            | 257         | V        |

\* - indicates frequency in CFR 47, Part 15.

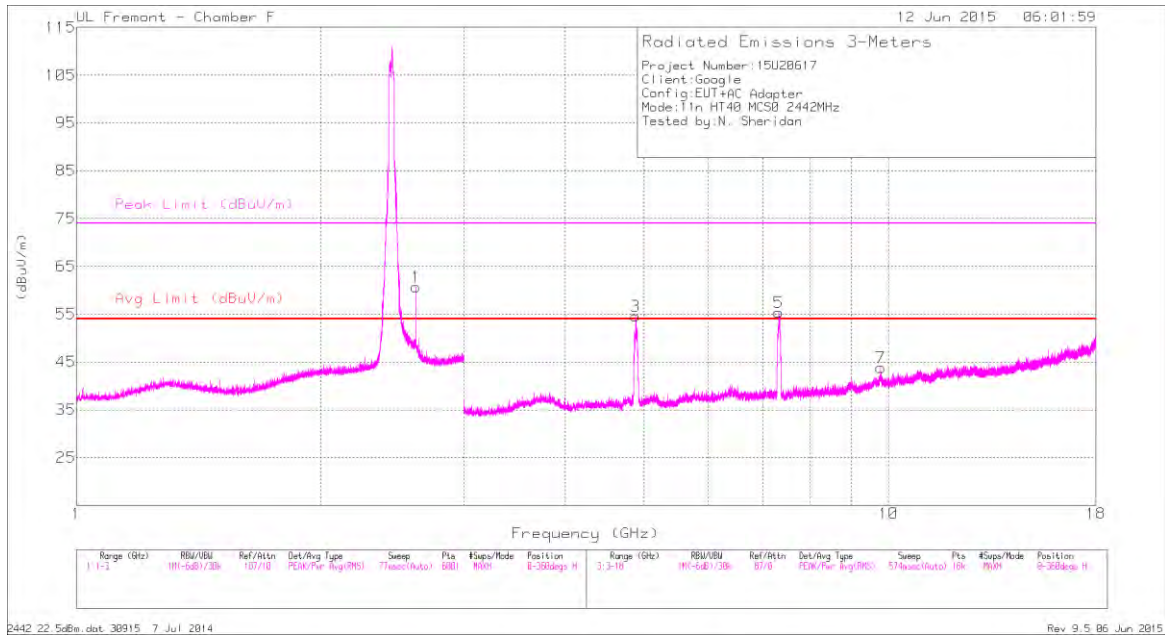
PK - Peak detector

PK2 - KDB558074 Method: Maximum Peak

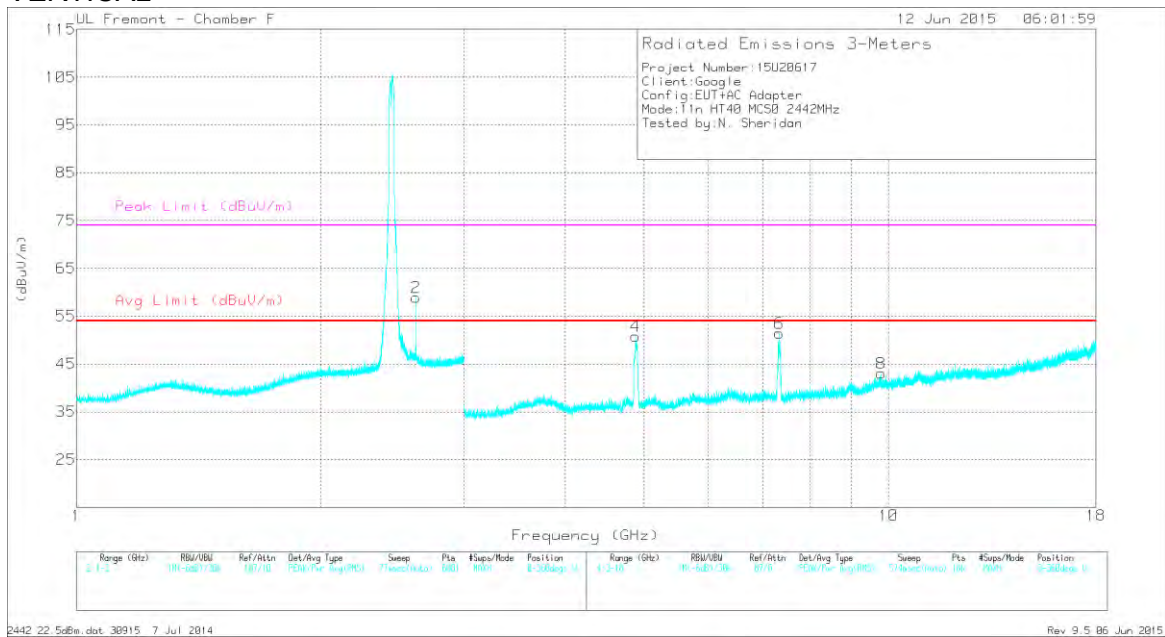
MAv1 - KDB558074 Option 1 Maximum RMS Average

**CHANNEL 7**

**HORIZONTAL**



**VERTICAL**



## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T120 (dB/m) | Amp/Cbl /Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degr) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 2.619           | 46.82                | PK2  | 32.7           | -20.8                   | 0            | 58.72                      | -                  | -           | 74                  | -15.28         | 211            | 101         | H        |
|        | 2.616           | 34.28                | MAv1 | 32.7           | -20.8                   | .35          | 46.53                      | 54                 | -7.47       | -                   | -              | 211            | 101         | H        |
| 2      | 2.618           | 43.07                | PK2  | 32.7           | -20.8                   | 0            | 54.97                      | -                  | -           | 74                  | -19.03         | 211            | 201         | V        |
|        | 2.618           | 33.69                | MAv1 | 32.7           | -20.8                   | .35          | 45.94                      | 54                 | -8.06       | -                   | -              | 211            | 201         | V        |
| 5      | * 7.325         | 53.75                | PK2  | 35.7           | -26.3                   | 0            | 63.15                      | -                  | -           | 74                  | -10.85         | 240            | 107         | H        |
|        | * 7.325         | 40.68                | MAv1 | 35.7           | -26.3                   | .35          | 50.43                      | 54                 | -3.57       | -                   | -              | 240            | 107         | H        |
| 3      | * 4.883         | 55.24                | PK2  | 34.1           | -27.9                   | 0            | 61.44                      | -                  | -           | 74                  | -12.56         | 211            | 288         | H        |
|        | * 4.881         | 43.76                | MAv1 | 34.1           | -27.9                   | .35          | 50.31                      | 54                 | -3.69       | -                   | -              | 211            | 288         | H        |
| 7      | 9.782           | 34.7                 | PK2  | 37.2           | -22.7                   | 0            | 49.2                       | -                  | -           | 74                  | -24.8          | 211            | 201         | H        |
|        | 9.784           | 23.6                 | MAv1 | 37.2           | -22.7                   | .35          | 38.45                      | 54                 | -15.54      | -                   | -              | 211            | 201         | H        |
| 4      | * 4.879         | 47.05                | PK2  | 34.1           | -27.9                   | 0            | 53.25                      | -                  | -           | 74                  | -20.75         | 211            | 201         | V        |
|        | * 4.879         | 36.21                | MAv1 | 34.1           | -27.9                   | .35          | 42.76                      | 54                 | -11.24      | -                   | -              | 211            | 201         | V        |
| 6      | * 7.336         | 48.01                | PK2  | 35.7           | -26.2                   | 0            | 57.51                      | -                  | -           | 74                  | -16.49         | 341            | 288         | V        |
|        | * 7.336         | 36.4                 | MAv1 | 35.7           | -26.2                   | .35          | 46.25                      | 54                 | -7.75       | -                   | -              | 341            | 288         | V        |
| 8      | 9.783           | 35.36                | PK2  | 37.2           | -22.7                   | 0            | 49.86                      | -                  | -           | 74                  | -24.14         | 341            | 200         | V        |
|        | 9.784           | 23.95                | MAv1 | 37.2           | -22.7                   | .35          | 38.80                      | 54                 | -15.20      | -                   | -              | 341            | 200         | V        |

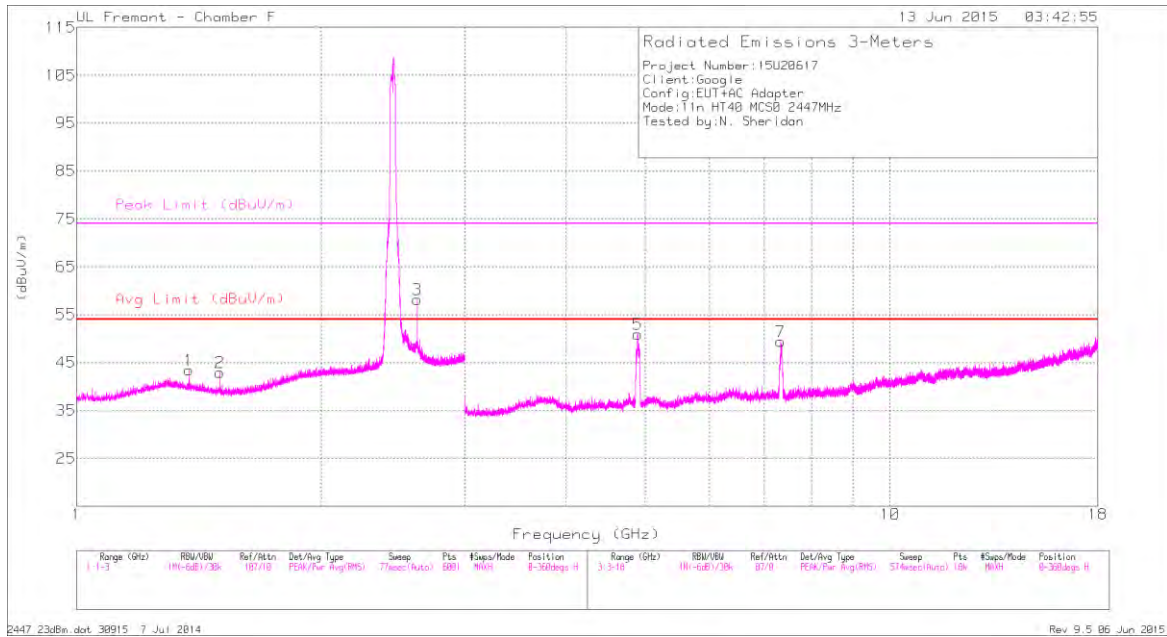
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

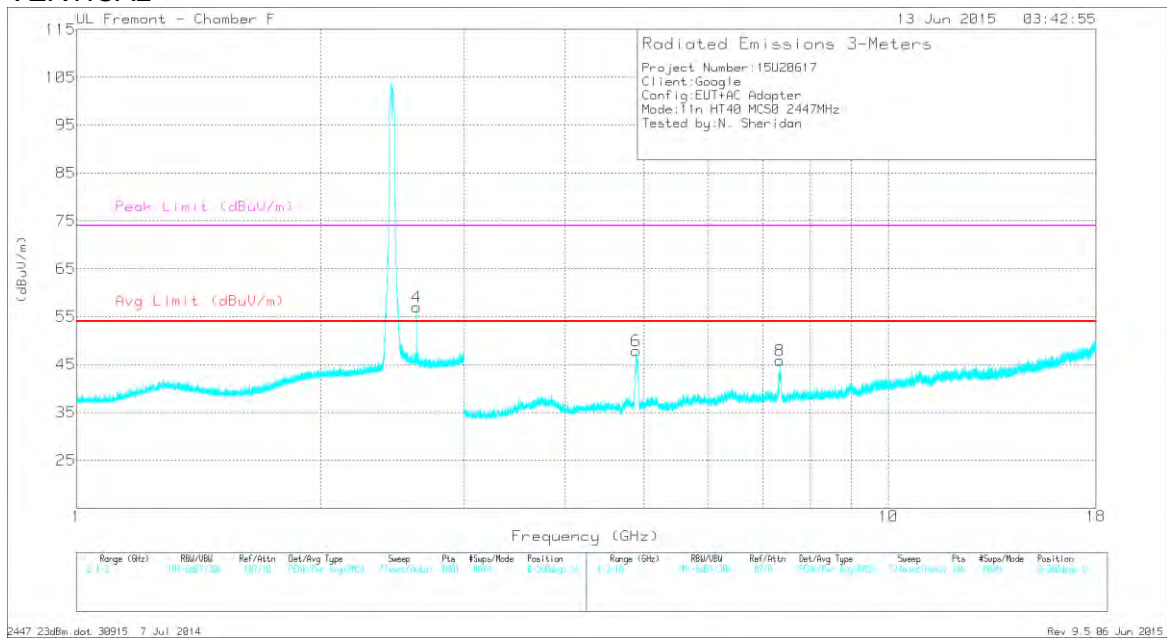
MAv1 - KDB558074 Option 1 Maximum RMS Average

**CHANNEL 8**

**HORIZONTAL**



**VERTICAL**



## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T120 (dB/m) | Ampl/Cbl /Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 1.375         | 42.92                | PK2  | 29.3           | -22.1                  | 0            | 50.12                      | -                  | -           | 74                  | -23.88         | 263            | 101         | H        |
|        | * 1.375         | 30.37                | MAv1 | 29.3           | -22.1                  | .35          | 37.92                      | 54                 | -16.08      | -                   | -              | 263            | 101         | H        |
| 2      | * 1.5           | 42.15                | PK2  | 28.2           | -21.9                  | 0            | 48.45                      | -                  | -           | 74                  | -25.55         | 263            | 202         | H        |
|        | * 1.5           | 30.94                | MAv1 | 28.2           | -21.9                  | .35          | 37.59                      | 54                 | -16.41      | -                   | -              | 263            | 202         | H        |
| 3      | 2.623           | 46.31                | PK2  | 32.7           | -20.7                  | 0            | 58.31                      | -                  | -           | 74                  | -15.69         | 263            | 101         | H        |
|        | 2.623           | 39.53                | MAv1 | 32.7           | -20.7                  | .35          | 51.88                      | 54                 | -2.12       | -                   | -              | 263            | 101         | H        |
| 4      | 2.623           | 45.48                | PK2  | 32.7           | -20.7                  | 0            | 57.48                      | -                  | -           | 74                  | -16.52         | 263            | 201         | V        |
|        | 2.623           | 37.79                | MAv1 | 32.7           | -20.7                  | .35          | 50.14                      | 54                 | -3.86       | -                   | -              | 263            | 201         | V        |
| 5      | * 4.894         | 55.55                | PK2  | 34.1           | -28.1                  | 0            | 61.55                      | -                  | -           | 74                  | -12.45         | 217            | 122         | H        |
|        | * 4.894         | 44                   | MAv1 | 34.1           | -28.1                  | .35          | 50.35                      | 54                 | -3.65       | -                   | -              | 217            | 122         | H        |
| 7      | * 7.336         | 56.19                | PK2  | 35.7           | -26.2                  | 0            | 65.69                      | -                  | -           | 74                  | -8.31          | 263            | 109         | H        |
|        | * 7.334         | 43.55                | MAv1 | 35.7           | -26.3                  | .35          | 53.30                      | 54                 | -7.70       | -                   | -              | 263            | 109         | H        |
| 6      | * 4.886         | 46.35                | PK2  | 34.1           | -28                    | 0            | 52.45                      | -                  | -           | 74                  | -21.55         | 263            | 201         | V        |
|        | * 4.887         | 35                   | MAv1 | 34.1           | -28                    | .35          | 41.45                      | 54                 | -12.55      | -                   | -              | 263            | 201         | V        |
| 8      | * 7.347         | 53.29                | PK2  | 35.7           | -26.1                  | 0            | 62.89                      | -                  | -           | 74                  | -11.11         | 48             | 387         | V        |
|        | * 7.344         | 40.63                | MAv1 | 35.7           | -26.1                  | .35          | 50.58                      | 54                 | -3.42       | -                   | -              | 48             | 387         | V        |

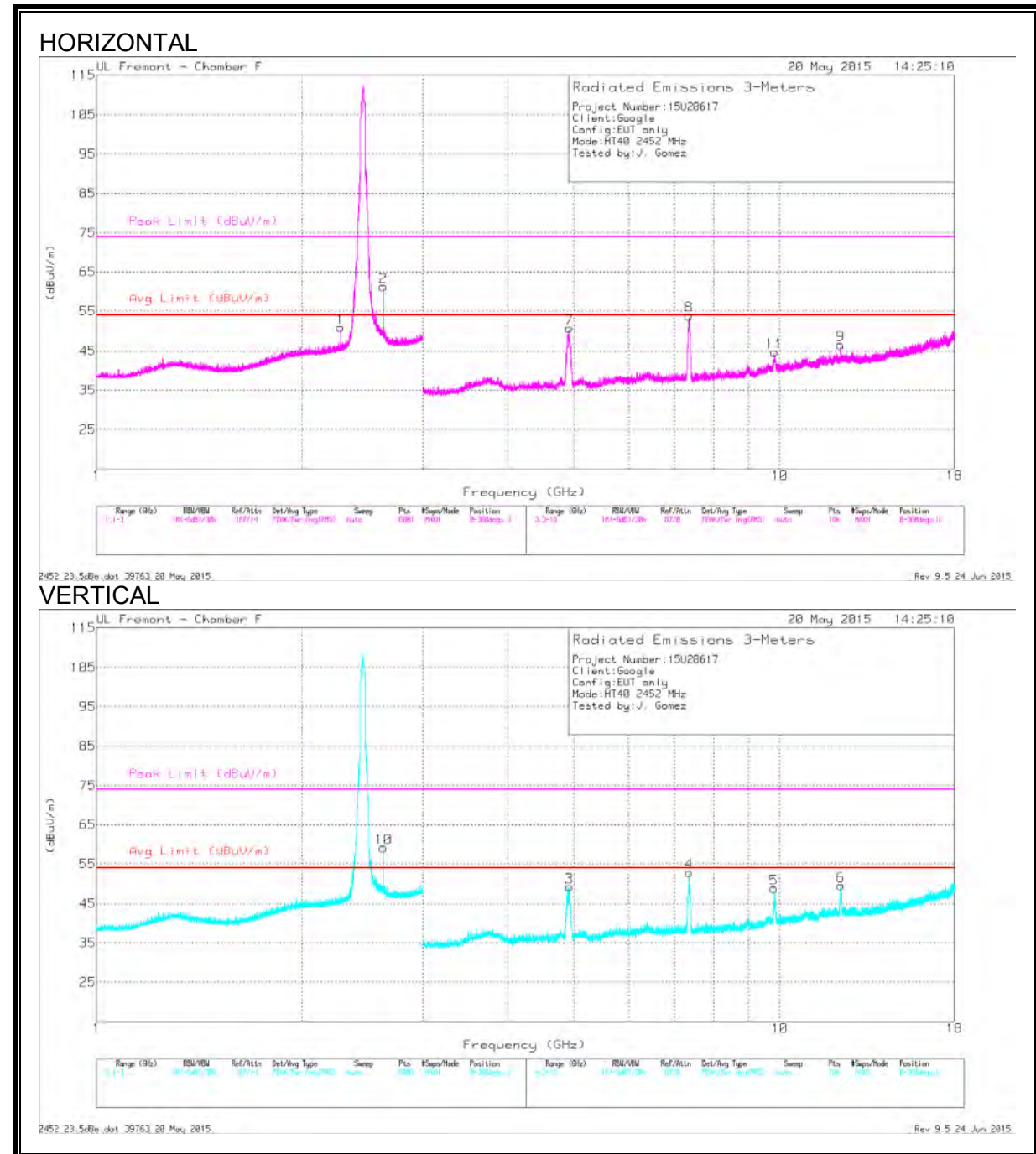
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

## HIGH CHANNEL



## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF T120 (dB/m) | Amp/Cbl/FI tr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.276         | 45.71                | PK2  | 31.7           | -21                    | 0            | 56.41                      | -                  | -           | 74                  | -17.59         | 197            | 198         | H        |
|        | * 2.276         | 37.27                | MAv1 | 31.7           | -21                    | .35          | 48.32                      | 54                 | -5.68       | -                   | -              | 197            | 198         | H        |
| 2      | 2.628           | 48.93                | Pk   | 32.7           | -20.7                  | 0            | 60.93                      | -                  | -           | 74                  | -13.07         | 0-360          | 201         | H        |
| 10     | 2.628           | 47.21                | Pk   | 32.7           | -20.7                  | 0            | 59.21                      | -                  | -           | 74                  | -14.79         | 0-360          | 201         | V        |
| 7      | * 4.902         | 54.63                | PK2  | 34.1           | -28.3                  | 0            | 60.43                      | -                  | -           | 74                  | -13.57         | 302            | 276         | H        |
|        | * 4.903         | 43.4                 | MAv1 | 34.1           | -28.3                  | .35          | 49.55                      | 54                 | -4.45       | -                   | -              | 302            | 276         | H        |
| 8      | * 7.352         | 53                   | PK2  | 35.7           | -26                    | 0            | 62.7                       | -                  | -           | 74                  | -11.3          | 340            | 282         | H        |
|        | * 7.353         | 41.73                | MAv1 | 35.7           | -26                    | .35          | 51.78                      | 54                 | -2.22       | -                   | -              | 340            | 282         | H        |
| 9      | * 12.269        | 36.63                | PK2  | 39             | -22.9                  | 0            | 52.73                      | -                  | -           | 74                  | -21.27         | 301            | 351         | H        |
|        | * 12.269        | 25.44                | MAv1 | 39             | -22.9                  | .35          | 41.89                      | 54                 | -12.11      | -                   | -              | 301            | 351         | H        |
| 11     | 9.814           | 30.15                | Pk   | 37.2           | -22.7                  | 0            | 44.65                      | -                  | -           | 74                  | -29.35         | 0-360          | 100         | H        |
| 3      | * 4.902         | 53.34                | PK2  | 34.1           | -28.3                  | 0            | 59.14                      | -                  | -           | 74                  | -14.86         | 273            | 351         | V        |
|        | * 4.901         | 42.49                | MAv1 | 34.1           | -28.3                  | .35          | 48.64                      | 54                 | -5.36       | -                   | -              | 273            | 351         | V        |
| 4      | * 7.353         | 54.64                | PK2  | 35.7           | -26                    | 0            | 64.34                      | -                  | -           | 74                  | -9.66          | 71             | 263         | V        |
|        | * 7.354         | 42.88                | MAv1 | 35.7           | -26                    | .35          | 52.97                      | 54                 | -1.07       | -                   | -              | 71             | 263         | V        |
| 5      | 9.804           | 33.88                | Pk   | 37.2           | -22.7                  | 0            | 48.38                      | -                  | -           | 74                  | -25.62         | 0-360          | 201         | V        |
| 6      | * 12.261        | 37.33                | PK2  | 39             | -23                    | 0            | 53.33                      | -                  | -           | 74                  | -20.67         | 171            | 278         | V        |
|        | * 12.28         | 25.9                 | MAv1 | 39             | -22.8                  | .35          | 42.45                      | 54                 | -11.55      | -                   | -              | 171            | 278         | V        |

\* - indicates frequency in CFR 47, Part 15.

PK - Peak detector

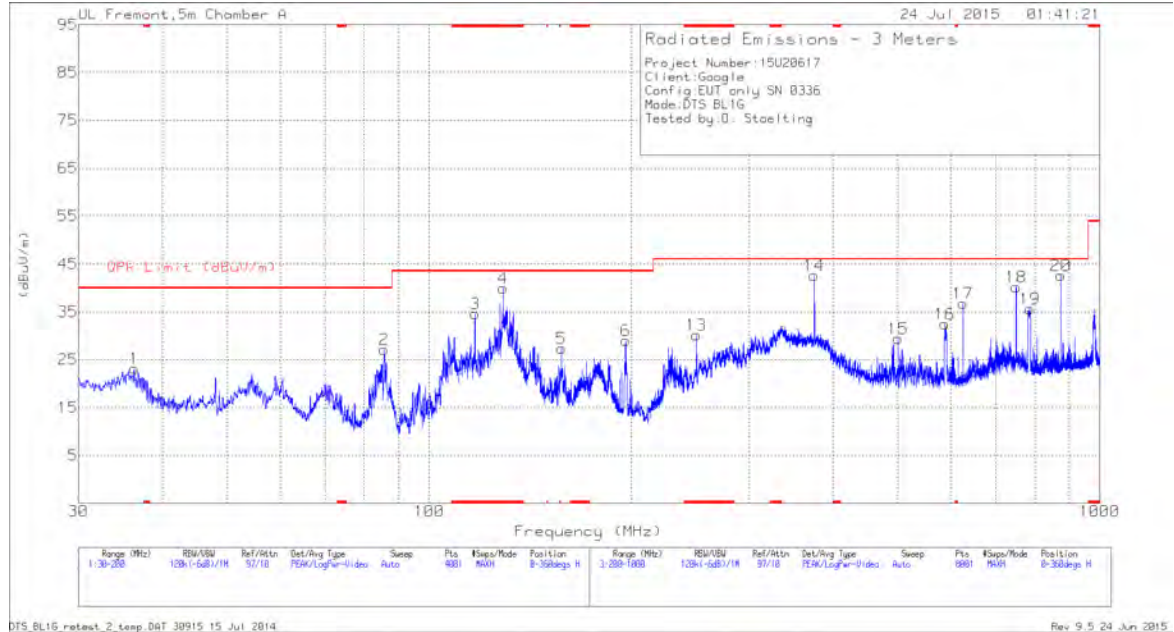
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

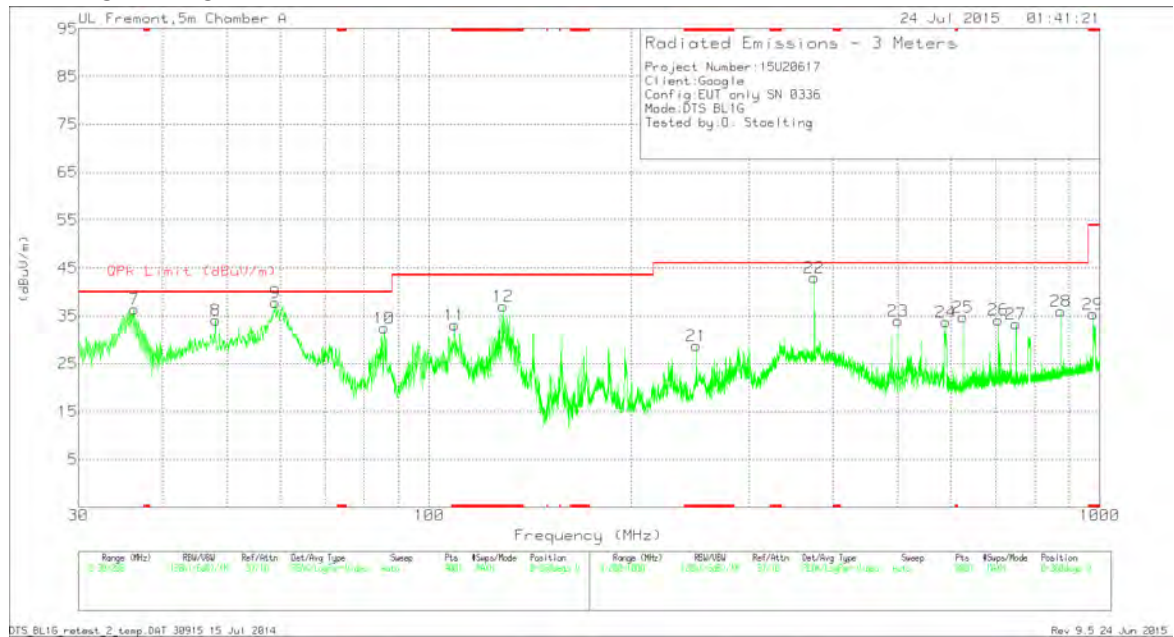
### 9.3. WORST-CASE BELOW 1 GHz

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

##### HORIZONTAL PLOT



##### VERTICAL PLOT



# Trace Markers

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF T130 (dB/m) | Amp/Cbl (dB/m) | Corrected Reading (dBuV/m) | QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|----------------|----------------------------|--------------------|-------------|----------------|-------------|----------|
| 3      | * 117.04        | 51.63                | Pk  | 13.5           | -30.5          | 34.63                      | 43.52              | -8.89       | 0-360          | 299         | H        |
| 4      | * 128.855       | 56.06                | Pk  | 14.2           | -30.3          | 39.96                      | 43.52              | -3.56       | 0-360          | 199         | H        |
|        | * 128.663       | 52.92                | Qp  | 14.2           | -30.3          | 36.82                      | 43.52              | -6.7        | 14             | 148         | H        |
| 11     | * 109.0075      | 51.14                | Pk  | 12.4           | -30.5          | 33.04                      | 43.52              | -10.48      | 0-360          | 101         | V        |
| 12     | * 128.855       | 53.1                 | Pk  | 14.2           | -30.3          | 37                         | 43.52              | -6.52       | 0-360          | 101         | V        |
|        | * 128.6721      | 47.28                | Qp  | 14.2           | -30.3          | 31.18                      | 43.52              | -12.34      | 1              | 188         | V        |
| 13     | * 250.3         | 48.39                | Pk  | 11.4           | -29.6          | 30.19                      | 46.02              | -15.83      | 0-360          | 101         | H        |
| 21     | * 250.3         | 47.01                | Pk  | 11.4           | -29.6          | 28.81                      | 46.02              | -17.21      | 0-360          | 101         | V        |
| 29     | * 977.2         | 39.23                | Pk  | 22.8           | -26.7          | 35.33                      | 53.97              | -18.64      | 0-360          | 101         | V        |
| 1      | 36.3325         | 37.59                | Pk  | 16.8           | -31.2          | 23.19                      | 40                 | -16.81      | 0-360          | 399         | H        |
| 7      | 36.3325         | 50.83                | Pk  | 16.8           | -31.2          | 36.43                      | 40                 | -3.57       | 0-360          | 101         | V        |
|        | 36.129          | 48.28                | Qp  | 17             | -31.2          | 34.08                      | 40                 | -5.92       | 270            | 108         | V        |
| 8      | 48.02           | 56.45                | Pk  | 8.8            | -31.1          | 34.15                      | 40                 | -5.85       | 0-360          | 101         | V        |
|        | 47.805          | 54.36                | Qp  | 9              | -31.1          | 32.26                      | 40                 | -7.74       | 183            | 107         | V        |
| 9      | 58.9425         | 61.13                | Pk  | 7.5            | -30.9          | 37.73                      | 40                 | -2.27       | 0-360          | 101         | V        |
|        | 58.7107         | 57.68                | Qp  | 7.5            | -30.9          | 34.28                      | 40                 | -5.72       | 10             | 107         | V        |
| 2      | 85.675          | 50.53                | Pk  | 7.3            | -30.7          | 27.13                      | 40                 | -12.87      | 0-360          | 399         | H        |
| 10     | 85.7175         | 55.84                | Pk  | 7.3            | -30.7          | 32.44                      | 40                 | -7.56       | 0-360          | 101         | V        |
| 5      | 157.5           | 45.53                | Pk  | 12.1           | -30.2          | 27.43                      | 43.52              | -16.09      | 0-360          | 199         | H        |
| 6      | 196.26          | 46.82                | Pk  | 12.2           | -30            | 29.02                      | 43.52              | -14.5       | 0-360          | 101         | H        |
| 14     | 375.3           | 56.93                | Pk  | 14.8           | -29.1          | 42.63                      | 46.02              | -3.39       | 0-360          | 101         | H        |
|        | 375.0253        | 55.21                | Qp  | 14.8           | -29.1          | 40.91                      | 46.02              | -5.11       | 30             | 103         | H        |
| 22     | 375.3           | 57.25                | Pk  | 14.8           | -29.1          | 42.95                      | 46.02              | -3.07       | 0-360          | 101         | V        |
|        | 375.0239        | 57.45                | Qp  | 14.8           | -29.1          | 43.15                      | 46.02              | -2.87       | 344            | 119         | V        |
| 15     | 500.3           | 40.54                | Pk  | 17.6           | -28.7          | 29.44                      | 46.02              | -16.58      | 0-360          | 199         | H        |
| 23     | 500.3           | 45.03                | Pk  | 17.6           | -28.7          | 33.93                      | 46.02              | -12.09      | 0-360          | 101         | V        |
| 16     | 587.2           | 42.61                | Pk  | 18.5           | -28.6          | 32.51                      | 46.02              | -13.51      | 0-360          | 199         | H        |
| 24     | 590.2           | 43.89                | Pk  | 18.4           | -28.6          | 33.69                      | 46.02              | -12.33      | 0-360          | 101         | V        |
| 17     | 625.3           | 46.12                | Pk  | 19.2           | -28.5          | 36.82                      | 46.02              | -9.2        | 0-360          | 199         | H        |
| 25     | 625.4           | 43.97                | Pk  | 19.3           | -28.5          | 34.77                      | 46.02              | -11.25      | 0-360          | 101         | V        |
| 26     | 705.4           | 42.17                | Pk  | 20.1           | -28.1          | 34.17                      | 46.02              | -11.85      | 0-360          | 101         | V        |
| 27     | 750.3           | 40.93                | Pk  | 20.7           | -28.3          | 33.33                      | 46.02              | -12.69      | 0-360          | 199         | V        |
| 18     | 750.4           | 47.78                | Pk  | 20.7           | -28.3          | 40.18                      | 46.02              | -5.84       | 0-360          | 101         | H        |
|        | 750.3455        | 32.28                | Qp  | 20.7           | -28.3          | 24.68                      | 46.02              | -21.34      | 1              | 118         | H        |
| 19     | 787.1           | 42.53                | Pk  | 21.2           | -28.1          | 35.63                      | 46.02              | -10.39      | 0-360          | 101         | H        |
| 20     | 875.3           | 48.08                | Pk  | 22.1           | -27.6          | 42.58                      | 46.02              | -3.44       | 0-360          | 101         | H        |
|        | 875.0368        | 46.94                | Qp  | 22.1           | -27.5          | 41.54                      | 46.02              | -4.48       | 292            | 106         | H        |
| 28     | 875.3           | 41.48                | Pk  | 22.1           | -27.6          | 35.98                      | 46.02              | -10.04      | 0-360          | 101         | V        |

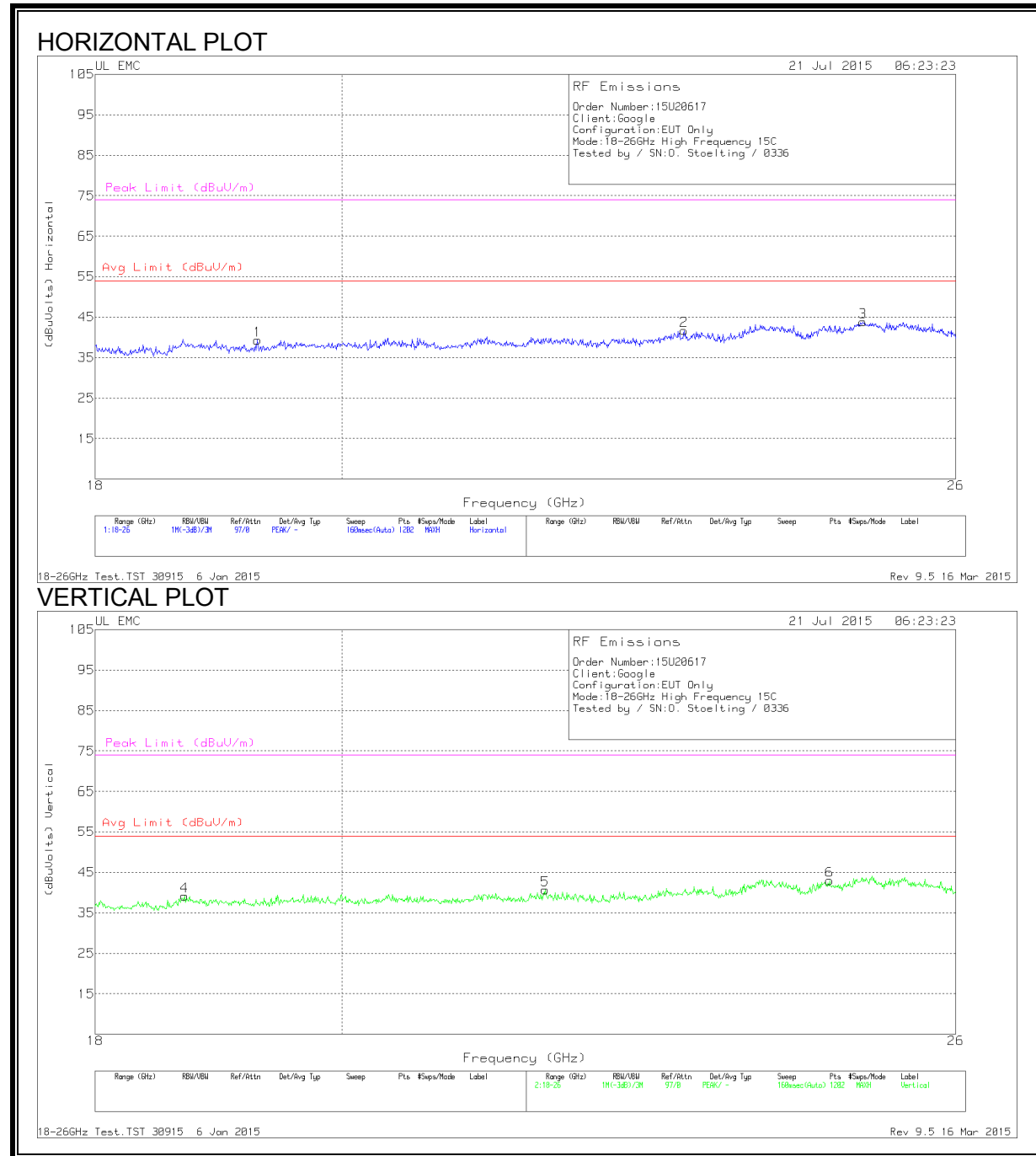
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

Qp - Quasi-Peak detector

## 9.4. WORST-CASE ABOVE 18 GHz

### SPURIOUS EMISSIONS 1 GHz to 26 GHz (WORST-CASE CONFIGURATION, HORIZONTAL)



## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | T89 AF (dB/m) | Amp/Cbl (dB) | Dist Corr (dB) | Corrected Reading (dBuVolts) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) |
|--------|-----------------|----------------------|-----|---------------|--------------|----------------|------------------------------|--------------------|-------------|---------------------|----------------|
| 1      | 19.292          | 41.33                | Pk  | 32.3          | -24.8        | -9.5           | 39.333                       | 54                 | -14.667     | 74                  | -34.667        |
| 2      | 23.149          | 42.67                | Pk  | 33.5          | -25          | -9.5           | 41.667                       | 54                 | -12.333     | 74                  | -32.333        |
| 3      | 24.988          | 43.53                | Pk  | 34.2          | -24.4        | -9.5           | 43.833                       | 54                 | -10.167     | 74                  | -30.167        |
| 4      | 18.699          | 40.37                | Pk  | 32.5          | -24.2        | -9.5           | 39.167                       | 54                 | -14.833     | 74                  | -34.833        |
| 5      | 21.817          | 41.37                | Pk  | 33.3          | -24.5        | -9.5           | 40.667                       | 54                 | -13.333     | 74                  | -33.333        |
| 6      | 24.634          | 42.8                 | Pk  | 33.9          | -24.2        | -9.5           | 43                           | 54                 | -11         | 74                  | -31            |

Pk - Peak detector

## 10. AC POWER LINE CONDUCTED EMISSIONS

### LIMITS

FCC §15.207 (a)

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

<sup>\*</sup> Decreases with the logarithm of the frequency.

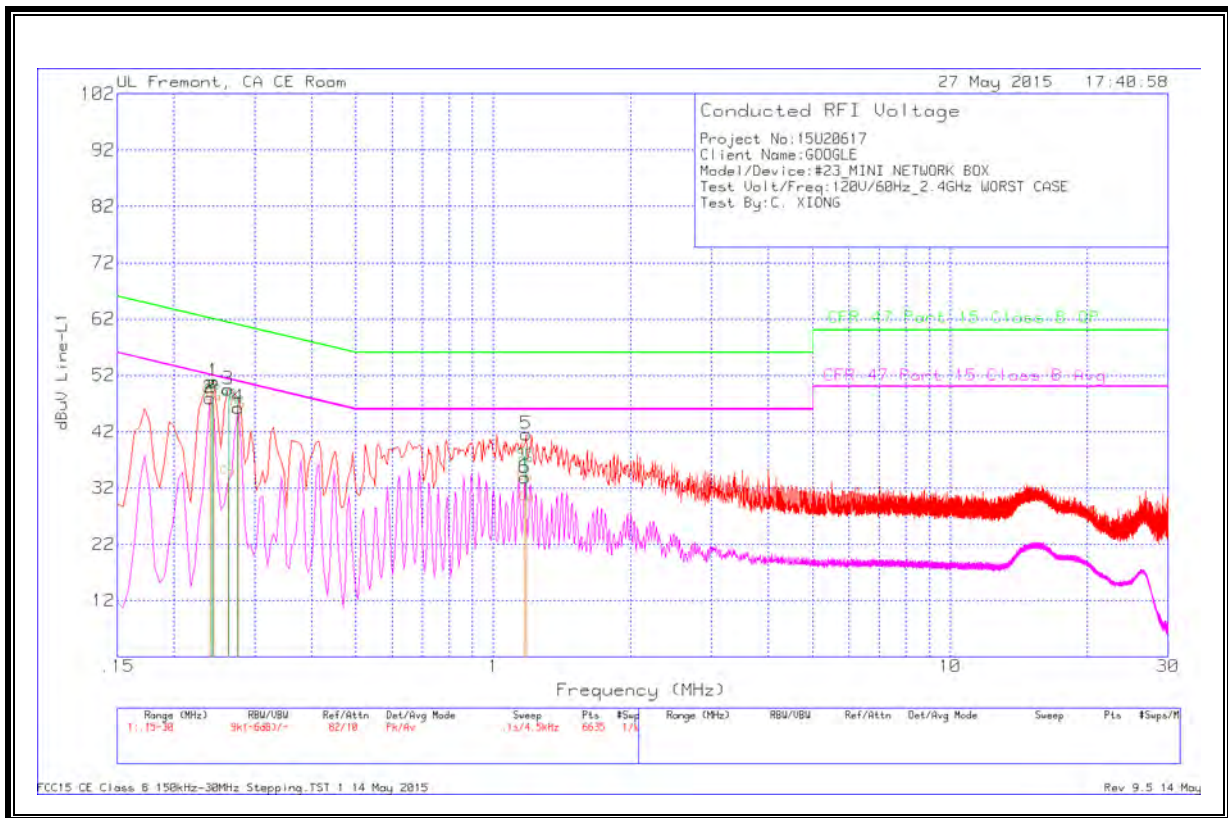
### TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.4.

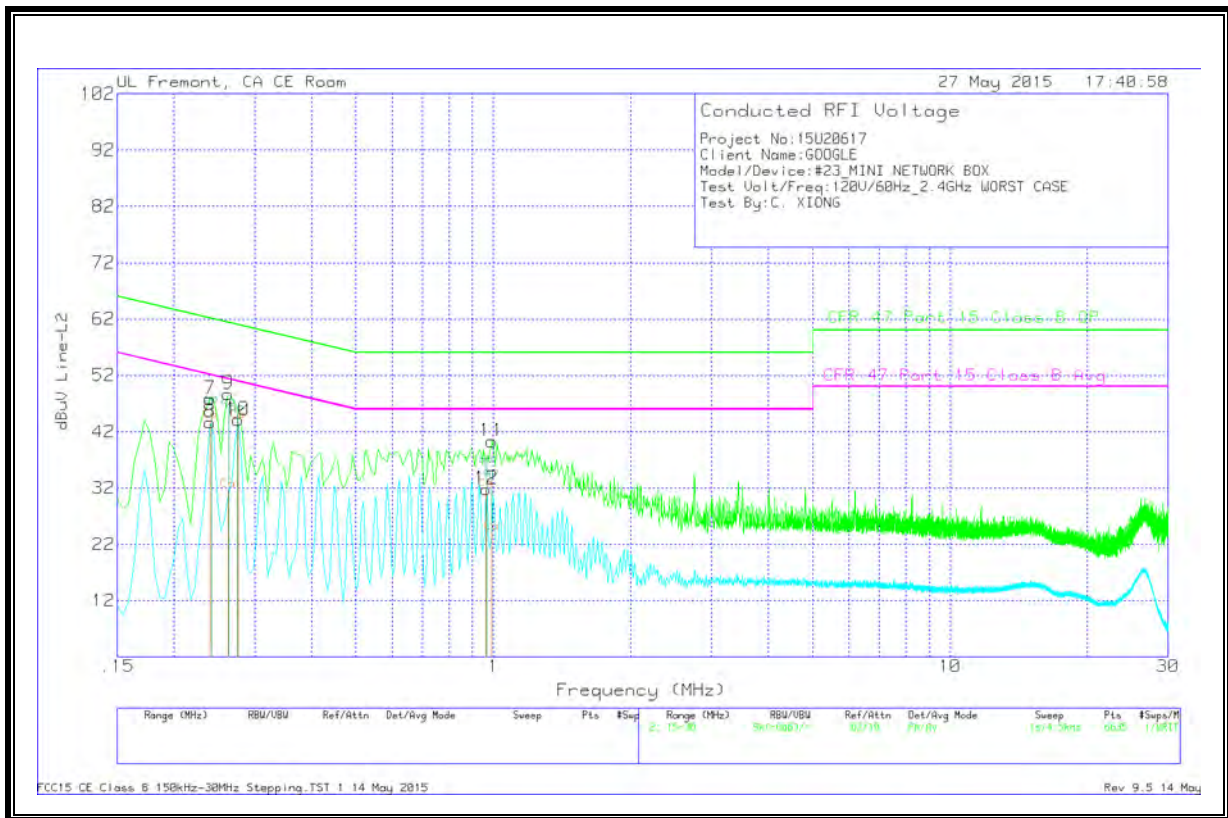
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

**LINE 1 RESULTS**



**LINE 2 RESULTS**



## RESULTS

### Trace Markers

| Range 1: Line-L1 .15 - 30MHz |                 |                      |     |           |               |                        |                           |             |                            |             |
|------------------------------|-----------------|----------------------|-----|-----------|---------------|------------------------|---------------------------|-------------|----------------------------|-------------|
| Marker                       | Frequency (MHz) | Meter Reading (dBuV) | Det | T24 IL L1 | LC Cables 1&3 | Corrected Reading dBuV | CFR 47 Part 15 Class B QP | Margin (dB) | CFR 47 Part 15 Class B Avg | Margin (dB) |
| 1                            | .2445           | 50.23                | Pk  | .7        | 0             | 50.93                  | 61.94                     | -11.01      | -                          | -           |
| 2                            | .24             | 47.29                | Av  | .7        | 0             | 47.99                  | -                         | -           | 52.1                       | -4.11       |
| 3                            | .2625           | 48.8                 | Pk  | .7        | 0             | 49.5                   | 61.35                     | -11.85      | -                          | -           |
| 4                            | .276            | 45.64                | Av  | .6        | 0             | 46.24                  | -                         | -           | 50.94                      | -4.7        |
| 5                            | 1.1805          | 41.26                | Pk  | .2        | .1            | 41.56                  | 56                        | -14.44      | -                          | -           |
| 6                            | 1.1715          | 33.55                | Av  | .2        | .1            | 33.85                  | -                         | -           | 46                         | -12.15      |

| Range 2: Line-L2 .15 - 30MHz |                 |                      |     |           |               |                        |                           |             |                            |             |
|------------------------------|-----------------|----------------------|-----|-----------|---------------|------------------------|---------------------------|-------------|----------------------------|-------------|
| Marker                       | Frequency (MHz) | Meter Reading (dBuV) | Det | T24 IL L2 | LC Cables 2&3 | Corrected Reading dBuV | CFR 47 Part 15 Class B QP | Margin (dB) | CFR 47 Part 15 Class B Avg | Margin (dB) |
| 7                            | .24             | 47                   | Pk  | .8        | 0             | 47.8                   | 62.1                      | -14.3       | -                          | -           |
| 8                            | .24             | 42.88                | Av  | .8        | 0             | 43.68                  | -                         | -           | 52.1                       | -8.42       |
| 9                            | .2625           | 47.99                | Pk  | .7        | 0             | 48.69                  | 61.35                     | -12.66      | -                          | -           |
| 10                           | .276            | 43.41                | Av  | .7        | 0             | 44.11                  | -                         | -           | 50.94                      | -6.83       |
| 11                           | .9915           | 40.03                | Pk  | .3        | 0             | 40.33                  | 56                        | -15.67      | -                          | -           |
| 12                           | .9645           | 31.48                | Av  | .3        | 0             | 31.78                  | -                         | -           | 46                         | -14.22      |

Pk - Peak detector

Av - Average detection

### Peak/Average/RMS Emissions

| Range 1: Line-L1 .15 - 30MHz |                      |     |           |               |                        |                           |             |                            |             |
|------------------------------|----------------------|-----|-----------|---------------|------------------------|---------------------------|-------------|----------------------------|-------------|
| Frequency (MHz)              | Meter Reading (dBuV) | Det | T24 IL L1 | LC Cables 1&3 | Corrected Reading dBuV | CFR 47 Part 15 Class B QP | Margin (dB) | CFR 47 Part 15 Class B Avg | Margin (dB) |
| .24338                       | 46.32                | Ca  | .7        | 0             | 47.02                  | -                         | -           | 51.98                      | -4.96       |
| .24113                       | 47.6                 | Ca  | .7        | 0             | 48.3                   | -                         | -           | 52.06                      | -3.76       |
| .26363                       | 33.19                | Ca  | .7        | 0             | 33.89                  | -                         | -           | 51.32                      | -17.43      |
| .27488                       | 45.14                | Ca  | .6        | 0             | 45.74                  | -                         | -           | 50.97                      | -5.23       |
| 1.17938                      | 29.07                | Ca  | .2        | 0             | 29.27                  | -                         | -           | 46                         | -16.73      |
| 1.17263                      | 32.61                | Ca  | .2        | .1            | 32.91                  | -                         | -           | 46                         | -13.09      |

Ca - CISPR average detection

| Range 2: Line-L2 .15 - 30MHz |                      |     |           |               |                        |                           |             |                            |             |
|------------------------------|----------------------|-----|-----------|---------------|------------------------|---------------------------|-------------|----------------------------|-------------|
| Frequency (MHz)              | Meter Reading (dBuV) | Det | T24 IL L2 | LC Cables 2&3 | Corrected Reading dBuV | CFR 47 Part 15 Class B QP | Margin (dB) | CFR 47 Part 15 Class B Avg | Margin (dB) |
| .24113                       | 43.17                | Ca  | .8        | 0             | 43.97                  | -                         | -           | 52.06                      | -8.09       |
| .26363                       | 30.93                | Ca  | .7        | 0             | 31.63                  | -                         | -           | 51.32                      | -19.69      |
| .27488                       | 43.25                | Ca  | .7        | 0             | 43.95                  | -                         | -           | 50.97                      | -7.02       |
| .99128                       | 23.84                | Ca  | .3        | 0             | 24.14                  | -                         | -           | 46                         | -21.86      |
| .96563                       | 31.45                | Ca  | .3        | 0             | 31.75                  | -                         | -           | 46                         | -14.25      |

Ca - CISPR average detection

### Quasi-Peak Emissions

| Range 1: Line-L1 .15 - 30MHz |                      |     |           |               |                        |                           |             |                            |             |
|------------------------------|----------------------|-----|-----------|---------------|------------------------|---------------------------|-------------|----------------------------|-------------|
| Frequency (MHz)              | Meter Reading (dBuV) | Det | T24 IL L1 | LC Cables 1&3 | Corrected Reading dBuV | CFR 47 Part 15 Class B QP | Margin (dB) | CFR 47 Part 15 Class B Avg | Margin (dB) |
| .24338                       | 48.4                 | Qp  | .7        | 0             | 49.1                   | 61.98                     | -12.88      | -                          | -           |
| .24113                       | 49.05                | Qp  | .7        | 0             | 49.75                  | 62.06                     | -12.31      | -                          | -           |
| .26363                       | 47.43                | Qp  | .7        | 0             | 48.13                  | 61.32                     | -13.19      | -                          | -           |
| .27488                       | 46.38                | Qp  | .6        | 0             | 46.98                  | 60.97                     | -13.99      | -                          | -           |
| 1.17938                      | 35.89                | Qp  | .2        | 0             | 36.09                  | 56                        | -19.91      | -                          | -           |
| 1.17263                      | 37.32                | Qp  | .2        | .1            | 37.62                  | 56                        | -18.38      | -                          | -           |

Qp - Quasi-Peak detector

| Range 2: Line-L2 .15 - 30MHz |                      |     |           |               |                        |                           |             |                            |             |
|------------------------------|----------------------|-----|-----------|---------------|------------------------|---------------------------|-------------|----------------------------|-------------|
| Frequency (MHz)              | Meter Reading (dBuV) | Det | T24 IL L2 | LC Cables 2&3 | Corrected Reading dBuV | CFR 47 Part 15 Class B QP | Margin (dB) | CFR 47 Part 15 Class B Avg | Margin (dB) |
| .24113                       | 45.97                | Qp  | .8        | 0             | 46.77                  | 62.06                     | -15.29      | -                          | -           |
| .26363                       | 45.64                | Qp  | .7        | 0             | 46.34                  | 61.32                     | -14.98      | -                          | -           |
| .27488                       | 44.56                | Qp  | .7        | 0             | 45.26                  | 60.97                     | -15.71      | -                          | -           |
| .99128                       | 33.55                | Qp  | .3        | 0             | 33.85                  | 56                        | -22.15      | -                          | -           |
| .96563                       | 35.73                | Qp  | .3        | 0             | 36.03                  | 56                        | -19.97      | -                          | -           |

Qp - Quasi-Peak detector