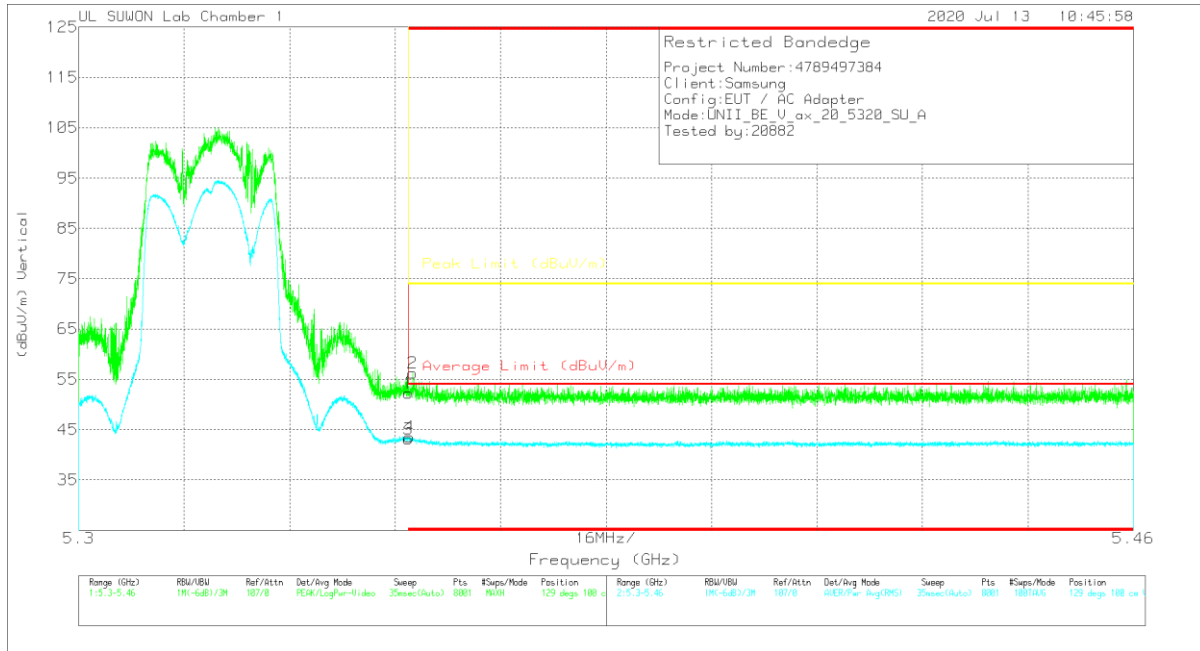


**VERTICAL PEAK AND AVERAGE DATA**



**Trace Markers**

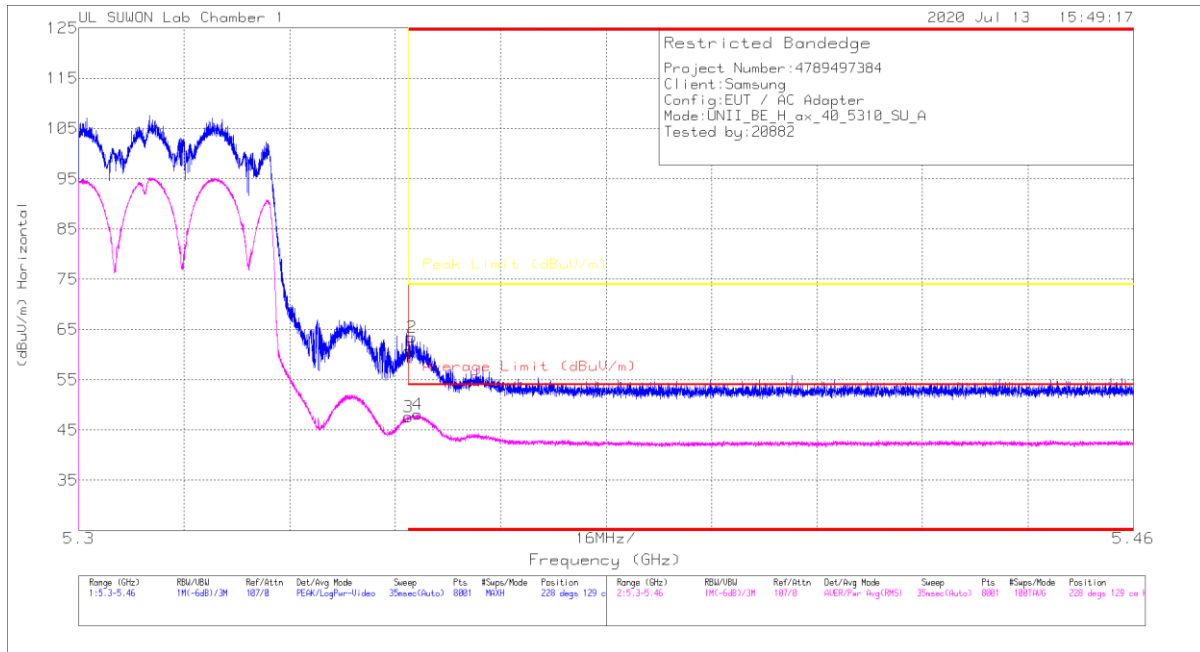
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.35002       | 39.14                | Pk  | 34.7          | -21.6        | 0            | 52.24                      | -                      | -           | 74                  | -21.76         | 129            | 100         | V        |
| 2      | * 5.35064       | 43.09                | Pk  | 34.7          | -21.6        | 0            | 56.19                      | -                      | -           | 74                  | -17.81         | 129            | 100         | V        |
| 3      | * 5.35002       | 30.01                | RMS | 34.7          | -21.6        | 0            | 43.11                      | 54                     | -10.89      | -                   | -              | 129            | 100         | V        |
| 4      | * 5.35014       | 30.45                | RMS | 34.7          | -21.6        | 0            | 43.55                      | 54                     | -10.45      | -                   | -              | 129            | 100         | V        |

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

### 11.2.6. TX ABOVE 1GHz 802.11ax HE40 2Tx MODE IN THE 5.3GHz BAND

#### RESTRICTED BANDEDGE (HIGH CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE DATA

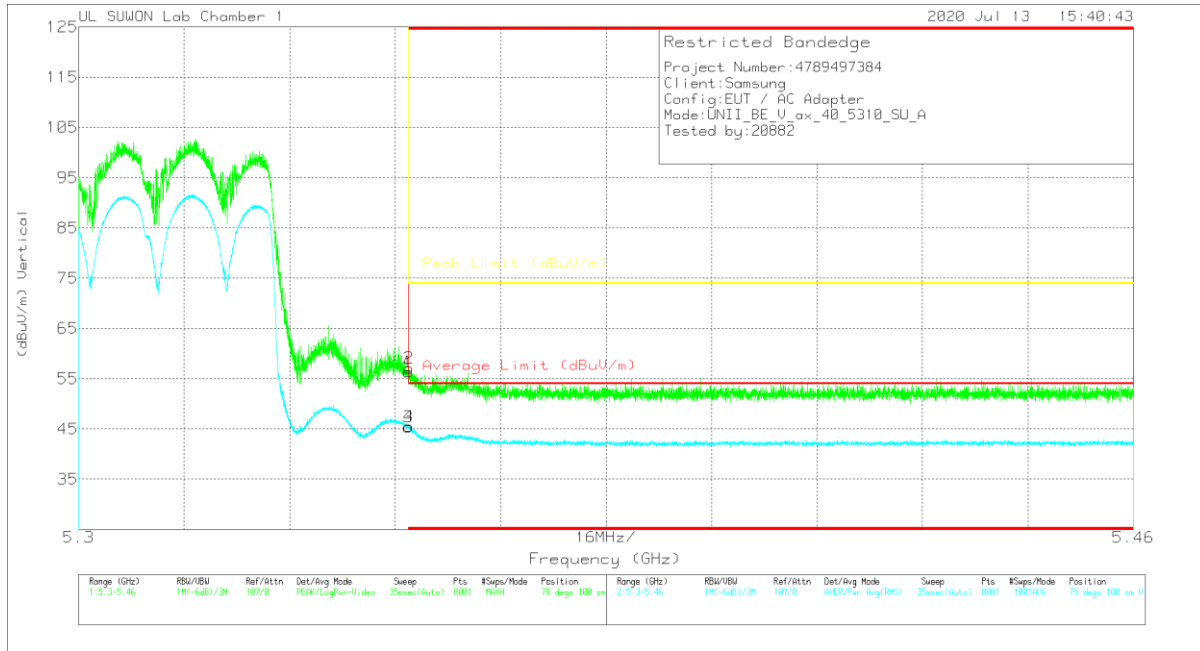


#### Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB_ATT[dB] | DC Cor (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Pk Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|-------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.35002       | 47.57                | Pk  | 34.7          | -21.6        | 0           | 60.67                      | -                      | -           | 74                  | -13.33         | 228            | 129         | H        |
| 2      | * 5.35006       | 50.39                | Pk  | 34.7          | -21.6        | 0           | 63.49                      | -                      | -           | 74                  | -10.51         | 228            | 129         | H        |
| 3      | * 5.35002       | 34.58                | RMS | 34.7          | -21.6        | 0           | 47.68                      | 54                     | -6.32       | -                   | -              | 228            | 129         | H        |
| 4      | * 5.35142       | 35.01                | RMS | 34.7          | -21.6        | 0           | 48.11                      | 54                     | -5.89       | -                   | -              | 228            | 129         | H        |

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

**VERTICAL PEAK AND AVERAGE DATA**



**Trace Markers**

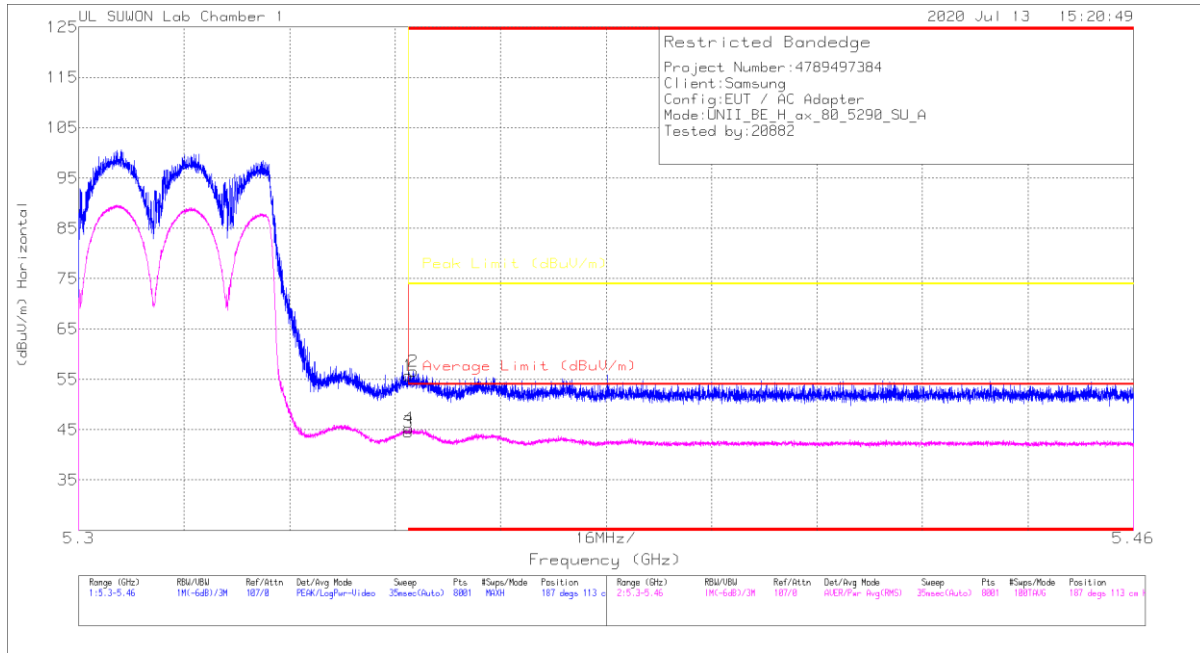
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB_ATT[dB] | DC Cor (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Pk Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|-------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.35002       | 43.25                | Pk  | 34.7          | -21.6        | 0           | 56.35                      | -                      | -           | 74                  | -17.65         | 79             | 100         | V        |
| 2      | * 5.35012       | 43.97                | Pk  | 34.7          | -21.6        | 0           | 57.07                      | -                      | -           | 74                  | -16.93         | 79             | 100         | V        |
| 3      | * 5.35002       | 32.26                | RMS | 34.7          | -21.6        | 0           | 45.36                      | 54                     | -8.64       | -                   | -              | 79             | 100         | V        |
| 4      | * 5.35012       | 32.38                | RMS | 34.7          | -21.6        | 0           | 45.48                      | 54                     | -8.52       | -                   | -              | 79             | 100         | V        |

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

### 11.2.7. TX ABOVE 1GHz 802.11ax HE80 2Tx MODE IN THE 5.3GHz BAND

#### RESTRICTED BANDEDGE (High CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE DATA



#### Trace Markers

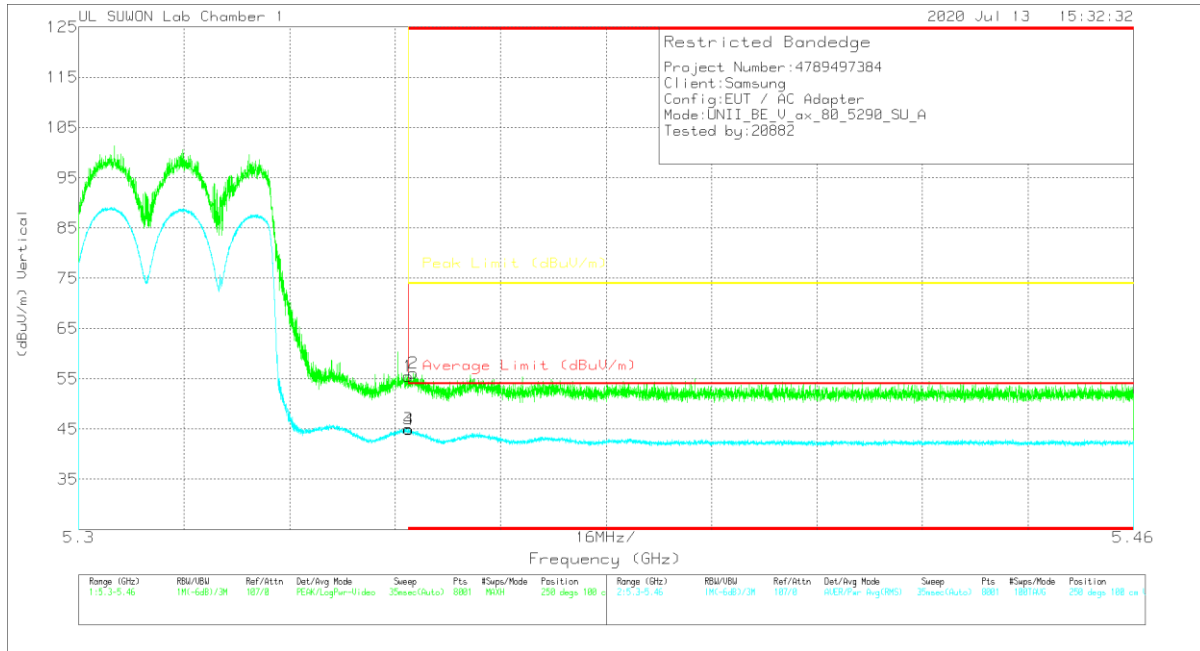
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB_ATT(dB) | DC Cor (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|-------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.35002       | 42.69                | Pk  | 34.7          | -21.6        | 0           | 55.79                      | -                      | -           | 74                  | -18.21         | 187            | 113         | H        |
| 2      | * 5.35074       | 43.54                | Pk  | 34.7          | -21.6        | 0           | 56.64                      | -                      | -           | 74                  | -17.36         | 187            | 113         | H        |
| 3      | * 5.35002       | 31.45                | RMS | 34.7          | -21.6        | 0           | 44.55                      | 54                     | -9.45       | -                   | -              | 187            | 113         | H        |
| 4      | * 5.35006       | 32.19                | RMS | 34.7          | -21.6        | 0           | 45.29                      | 54                     | -8.71       | -                   | -              | 187            | 113         | H        |

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE DATA**



**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB_ATT[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      | * 5.35002       | 42.37                | Pk  | 34.7          | -21.6        | 0            | 55.47                      | -                      | -           | 74                  | -18.53         | 250            | 100         | V        |
| 2      | * 5.35074       | 43                   | Pk  | 34.7          | -21.6        | 0            | 56.1                       | -                      | -           | 74                  | -17.9          | 250            | 100         | V        |
| 3      | * 5.35002       | 31.93                | RMS | 34.7          | -21.6        | 0            | 45.03                      | 54                     | -8.97       | -                   | -              | 250            | 100         | V        |
| 4      | * 5.3501        | 31.74                | RMS | 34.7          | -21.6        | 0            | 44.84                      | 54                     | -9.16       | -                   | -              | 250            | 100         | V        |

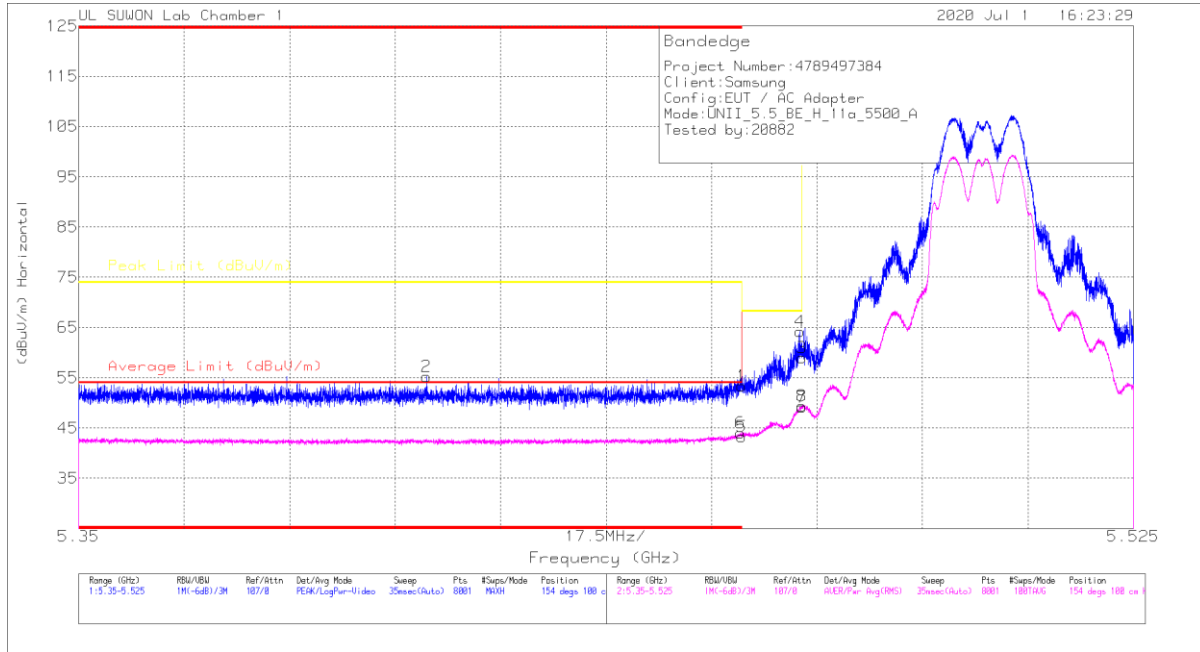
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

### 11.3. 5.5-5.6 GHz

#### 11.3.1. TX ABOVE 1 GHz 802.11a 2Tx MODE IN THE 5.5 GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE DATA



#### Trace Markers

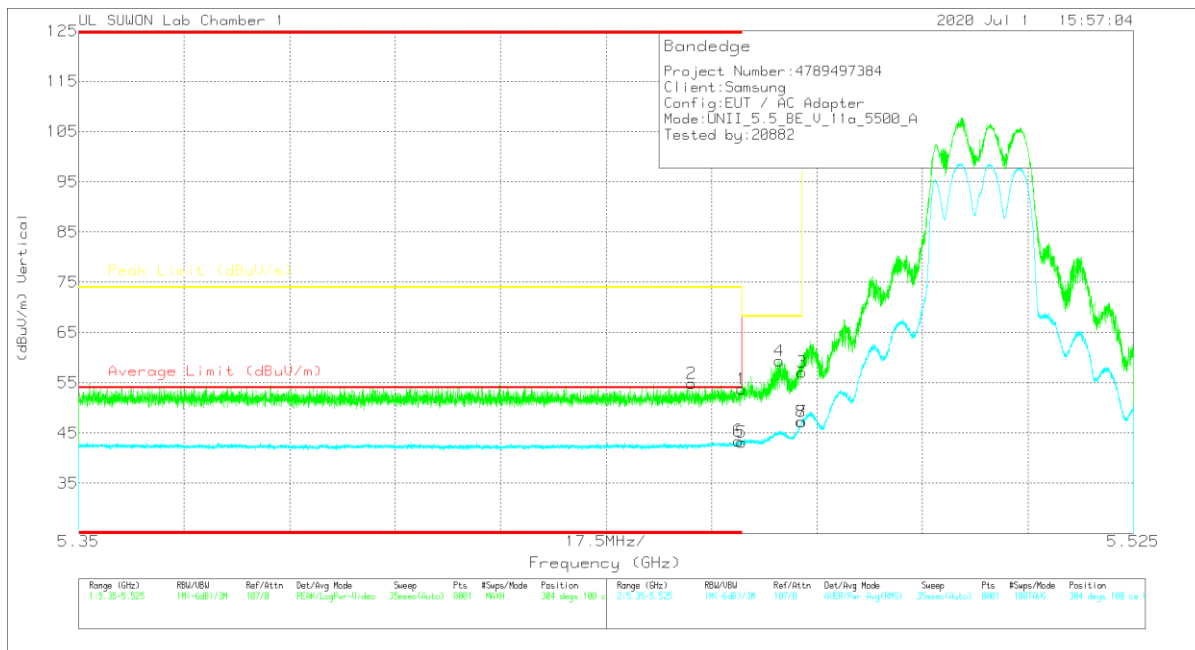
| Marker | Frequency (GHz) | Meter Reading (dBu/m) | Det | 3117_00168717 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBu/m) | Average Limit (dBu/m) | Margin (dB) | Peak Limit (dBu/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|-----------------------|-----|---------------|--------------|--------------|---------------------------|-----------------------|-------------|--------------------|----------------|----------------|-------------|----------|
| 1      | * 5.45999       | 40.12                 | Pk  | 34.7          | -21.4        | 0            | 53.42                     | -                     | -           | 74                 | -20.58         | 154            | 100         | H        |
| 2      | * 5.40773       | 42.04                 | Pk  | 34.7          | -21.5        | 0            | 55.24                     | -                     | -           | 74                 | -18.76         | 154            | 100         | H        |
| 3      | 5.46998         | 45.76                 | Pk  | 34.7          | -21.5        | 0            | 58.96                     | -                     | -           | 68.2               | -9.24          | 154            | 100         | H        |
| 4      | 5.46963         | 51.04                 | Pk  | 34.7          | -21.5        | 0            | 64.24                     | -                     | -           | 68.2               | -3.96          | 154            | 100         | H        |
| 5      | * 5.45999       | 30.03                 | RMS | 34.7          | -21.4        | 0            | 43.33                     | 54                    | -10.67      | -                  | -              | 154            | 100         | H        |
| 6      | * 5.45983       | 30.87                 | RMS | 34.7          | -21.5        | 0            | 44.07                     | 54                    | -9.93       | -                  | -              | 154            | 100         | H        |
| 7      | 5.46998         | 35.89                 | RMS | 34.7          | -21.5        | 0            | 49.09                     | -                     | -           | -                  | -              | 154            | 100         | H        |
| 8      | 5.46996         | 36.13                 | RMS | 34.7          | -21.5        | 0            | 49.33                     | -                     | -           | -                  | -              | 154            | 100         | H        |

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE DATA**



**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB_ATT[dB] | DC Cor (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|-------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.45999       | 40.4                 | Pk  | 34.7          | -21.4        | 0           | 53.7                       | -                      | -           | 74                  | -20.3          | 304            | 100         | V        |
| 2      | * 5.45172       | 41.7                 | Pk  | 34.7          | -21.5        | 0           | 54.9                       | -                      | -           | 74                  | -19.1          | 304            | 100         | V        |
| 3      | 5.46998         | 43.95                | Pk  | 34.7          | -21.5        | 0           | 57.15                      | -                      | -           | 68.2                | -11.05         | 304            | 100         | V        |
| 4      | 5.46629         | 46.03                | Pk  | 34.7          | -21.4        | 0           | 59.33                      | -                      | -           | 68.2                | -8.87          | 304            | 100         | V        |
| 5      | * 5.45999       | 29.9                 | RMS | 34.7          | -21.4        | 0           | 43.2                       | 54                     | -10.8       | -                   | -              | 304            | 100         | V        |
| 6      | * 5.45944       | 30.26                | RMS | 34.7          | -21.5        | 0           | 43.46                      | 54                     | -10.54      | -                   | -              | 304            | 100         | V        |
| 7      | 5.46998         | 34.1                 | RMS | 34.7          | -21.5        | 0           | 47.3                       | -                      | -           | -                   | -              | 304            | 100         | V        |
| 8      | 5.46985         | 34.01                | RMS | 34.7          | -21.5        | 0           | 47.21                      | -                      | -           | -                   | -              | 304            | 100         | V        |

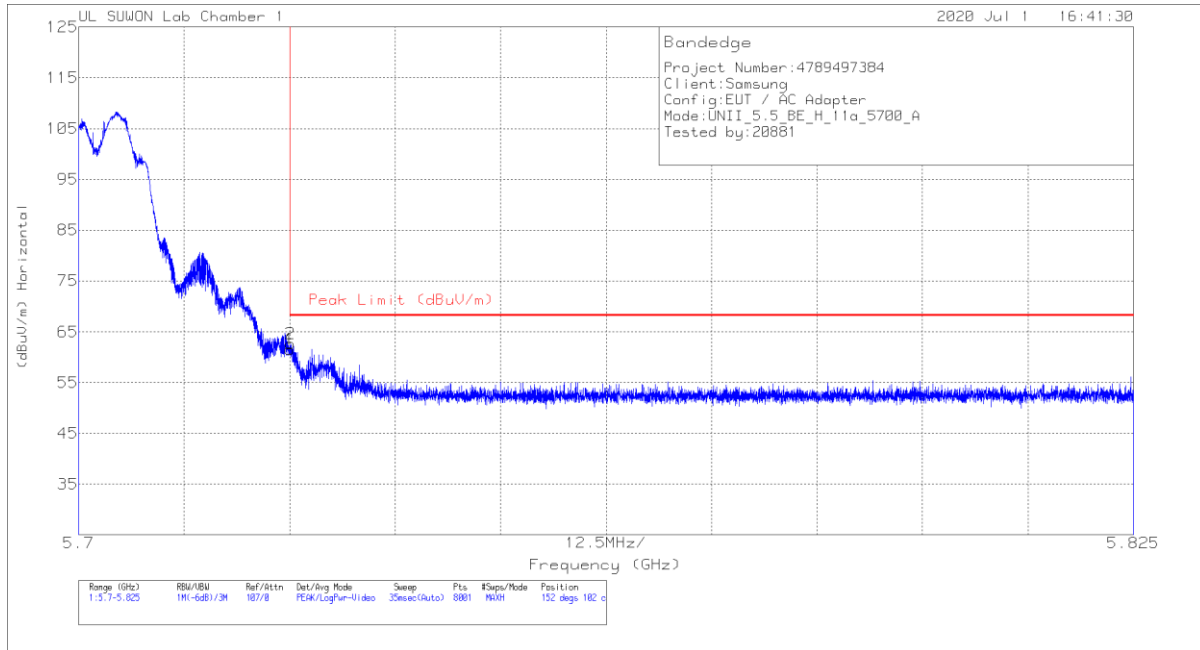
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL PEAK AND AVERAGE DATA**



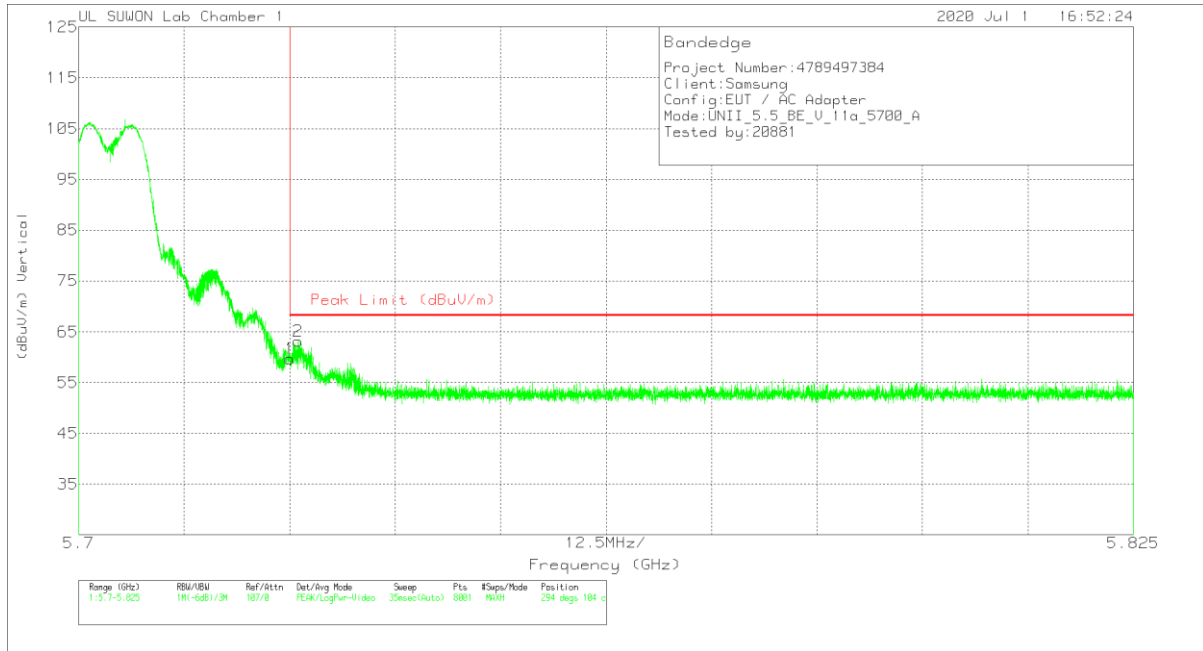
**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|--------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.72502         | 47.84                | Pk  | 34.8          | -21.1        | 0            | 61.54                      | 68.2                | -6.66          | 152            | 102         | H        |
| 2      | 5.72511         | 48.92                | Pk  | 34.8          | -21.1        | 0            | 62.62                      | 68.2                | -5.58          | 152            | 102         | H        |

Pk - Peak detector



**VERTICAL PEAK AND AVERAGE DATA**



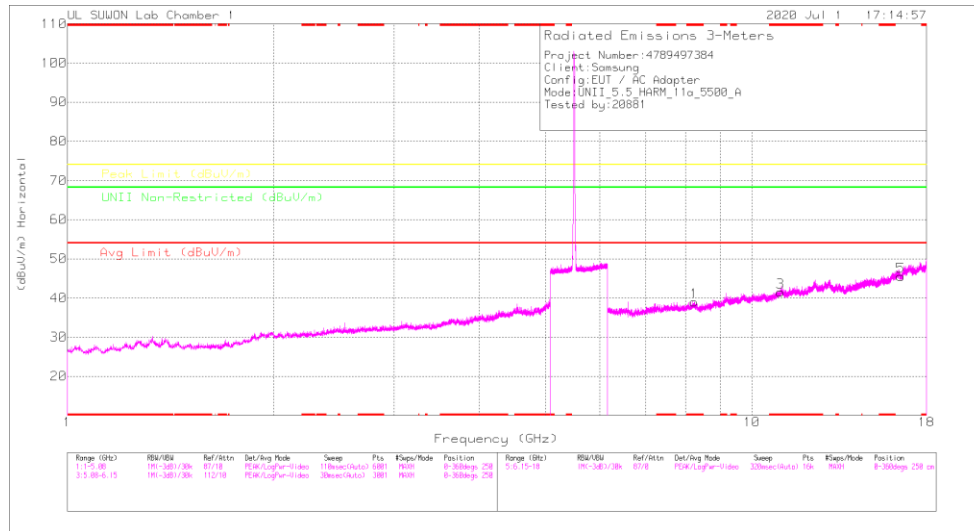
**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|--------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.72502         | 45.96                | Pk  | 34.8          | -21.1        | 0            | 59.66                      | 68.2                | -8.54          | 294            | 104         | V        |
| 2      | 5.72595         | 49.48                | Pk  | 34.8          | -21.1        | 0            | 63.18                      | 68.2                | -5.02          | 294            | 104         | V        |

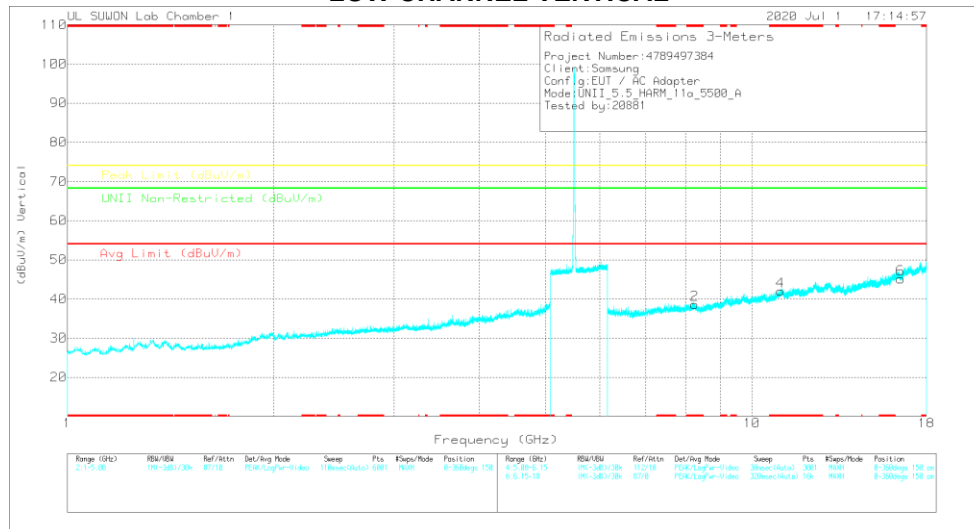
Pk - Peak detector

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL HORIZONTAL**



**LOW CHANNEL VERTICAL**



Note. Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

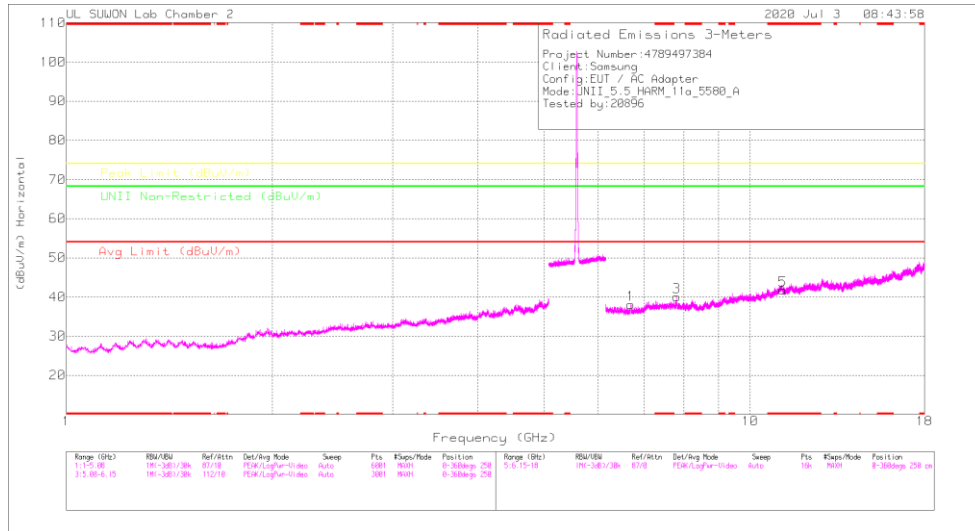
**LOW CHANNEL DATA**

**Radiated Emissions**

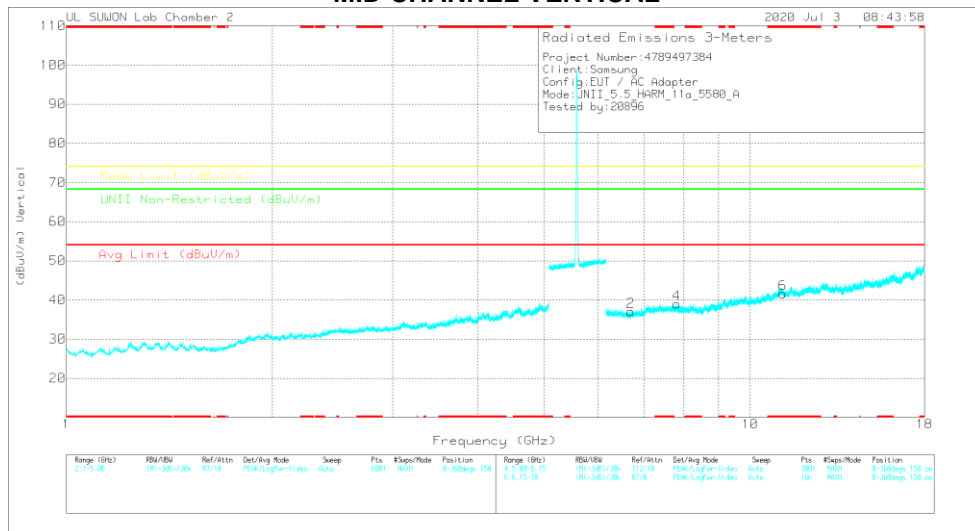
| Frequency (GHz) | Meas Reading (dBm) | Det  | 317_00168717 | 6GHz_HF(SB) | DC Corr (dB) | Corrected Reading (dBm) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | UNII Non-Restrict (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (m) | Polarity |
|-----------------|--------------------|------|--------------|-------------|--------------|-------------------------|--------------------|-------------|---------------------|-------------|----------------------------|-------------|----------------|------------|----------|
| * 8.24449       | 37.67              | PK-U | 36.4         | -25.5       | 0            | 48.57                   | -                  | -           | 74                  | -25.43      | -                          | -           | 0              | 100        | H        |
| * 8.24472       | 38.06              | PK-U | 36.4         | -25.5       | 0            | 48.96                   | -                  | -           | 74                  | -25.04      | -                          | -           | 0              | 100        | V        |
| * 11.00302      | 35.67              | PK-U | 38.2         | -21.8       | 0            | 52.07                   | -                  | -           | 74                  | -21.93      | -                          | -           | 0              | 100        | H        |
| * 11.00497      | 35.96              | PK-U | 38.2         | -21.8       | 0            | 52.36                   | -                  | -           | 74                  | -21.64      | -                          | -           | 0              | 100        | V        |
| 16.50532        | 35.93              | PK-U | 40.9         | -19.5       | 0            | 57.33                   | -                  | -           | -                   | -           | 68.2                       | -10.87      | 0              | 100        | H        |
| 16.50513        | 35.18              | PK-U | 40.9         | -19.5       | 0            | 56.58                   | -                  | -           | -                   | -           | 68.2                       | -11.62      | 0              | 100        | V        |

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK-U - U-NII: Maximum Peak

**MID CHANNEL HORIZONTAL**



**MID CHANNEL VERTICAL**



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**MID CHANNEL DATA**

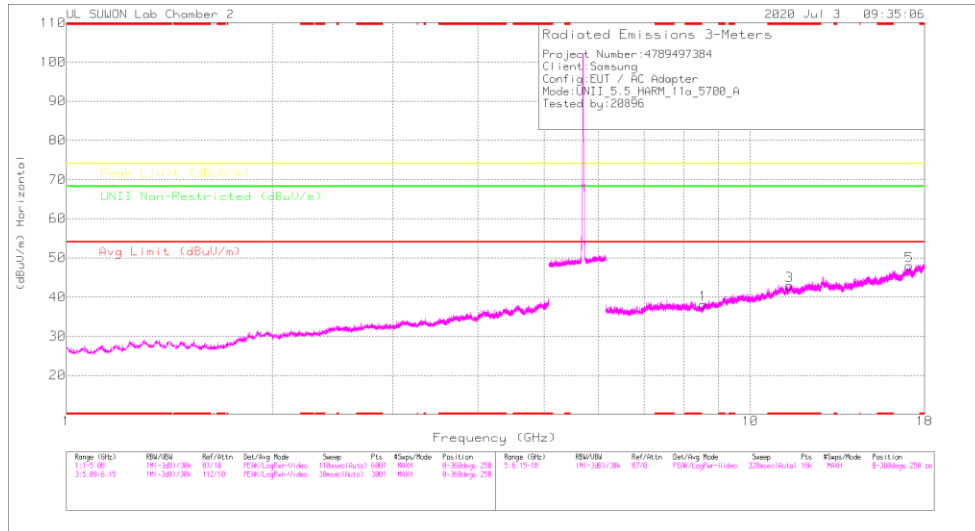
**Radiated Emissions**

| Frequency (GHz) | Main Reading (dBuV) | Det  | 317_00168724 | 6GHz_HF[S] | DC Cor (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | UNII Non-Restricted (dBuV/m) | Margin (dB) | Admitt (Degs) | Height (cm) | Polarity |
|-----------------|---------------------|------|--------------|------------|-------------|----------------------------|--------------------|-------------|---------------------|-------------|------------------------------|-------------|---------------|-------------|----------|
| 6.70045         | 39.79               | PK-U | 35.4         | -25.8      | 0           | 49.39                      | -                  | -           | -                   | -           | 68.2                         | -18.81      | 297           | 256         | H        |
| 6.69149         | 39.05               | PK-U | 35.4         | -25.8      | 0           | 48.65                      | -                  | -           | -                   | -           | 68.2                         | -19.55      | 269           | 103         | V        |
| 7.81526         | 37.18               | PK-U | 36           | -24        | 0           | 49.18                      | -                  | -           | -                   | -           | 68.2                         | -19.02      | 254           | 100         | H        |
| 7.80606         | 38.79               | PK-U | 36           | -23.8      | 0           | 50.99                      | -                  | -           | -                   | -           | 68.2                         | -17.21      | 259           | 100         | V        |
| * 11.16018      | 33.55               | PK-U | 38.2         | -19.3      | 0           | 52.45                      | -                  | -           | 74                  | -21.55      | -                            | -           | 360           | 100         | H        |
| * 11.16186      | 34.11               | PK-U | 38.2         | -19.3      | 0           | 53.01                      | -                  | -           | 74                  | -20.99      | -                            | -           | 360           | 100         | V        |

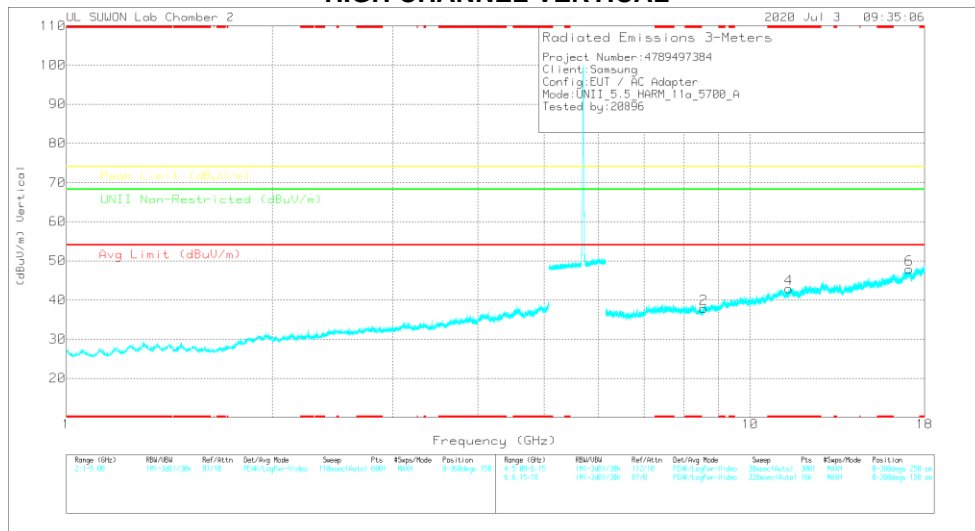
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

### HIGH CHANNEL HORIZONTAL



### HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

### HIGH CHANNEL DATA

#### Radiated Emissions

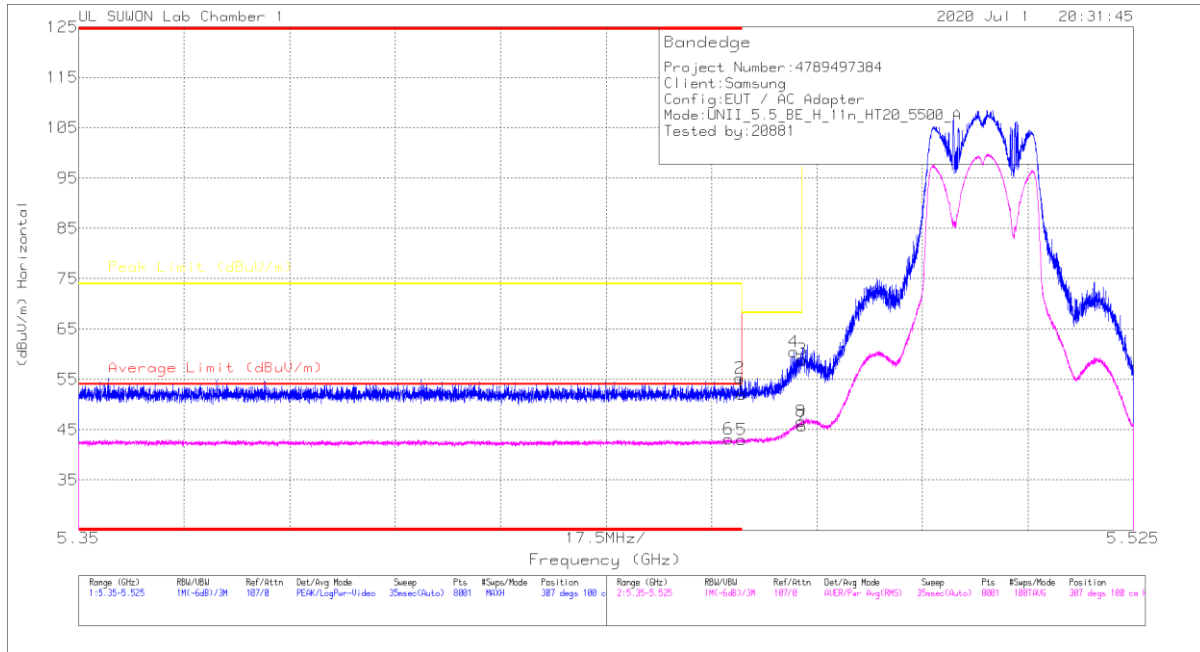
| Frequency (GHz) | Main Reading (dBuV) | Det  | 317_00168724 | 6GHz_HPSIS | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | UNII Non-Restricted (dBuV/m) | Margin (dB) | Azimuth (Deg) | Height (m) | Polarity |
|-----------------|---------------------|------|--------------|------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|------------------------------|-------------|---------------|------------|----------|
| 8.54406         | 34.84               | PK-U | 36.1         | -22.6      | 0            | 48.34                      | -                  | -           | -                   | -           | 68.2                         | -19.86      | 360           | 100        | H        |
| 8.54462         | 34.83               | PK-U | 36.1         | -22.6      | 0            | 48.33                      | -                  | -           | -                   | -           | 68.2                         | -19.87      | 360           | 100        | V        |
| * 11.41514      | 34.02               | PK-U | 38.3         | -19.9      | 0            | 52.42                      | -                  | -           | 74                  | -21.58      | -                            | -           | 360           | 100        | H        |
| * 11.41358      | 34.91               | PK-U | 38.3         | -20        | 0            | 53.21                      | -                  | -           | 74                  | -20.79      | -                            | -           | 360           | 100        | V        |
| 17.10854        | 35.53               | PK-U | 41.3         | -18.2      | 0            | 58.63                      | -                  | -           | -                   | -           | 68.2                         | -8.57       | 360           | 100        | H        |
| 17.10708        | 36.68               | PK-U | 41.3         | -18.2      | 0            | 59.78                      | -                  | -           | -                   | -           | 68.2                         | -8.42       | 360           | 100        | V        |

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK-U - U-NII: Maximum Peak

### 11.3.2. TX ABOVE 1GHz 802.11n HT20 2Tx MODE IN THE 5.5GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE DATA



#### Trace Markers

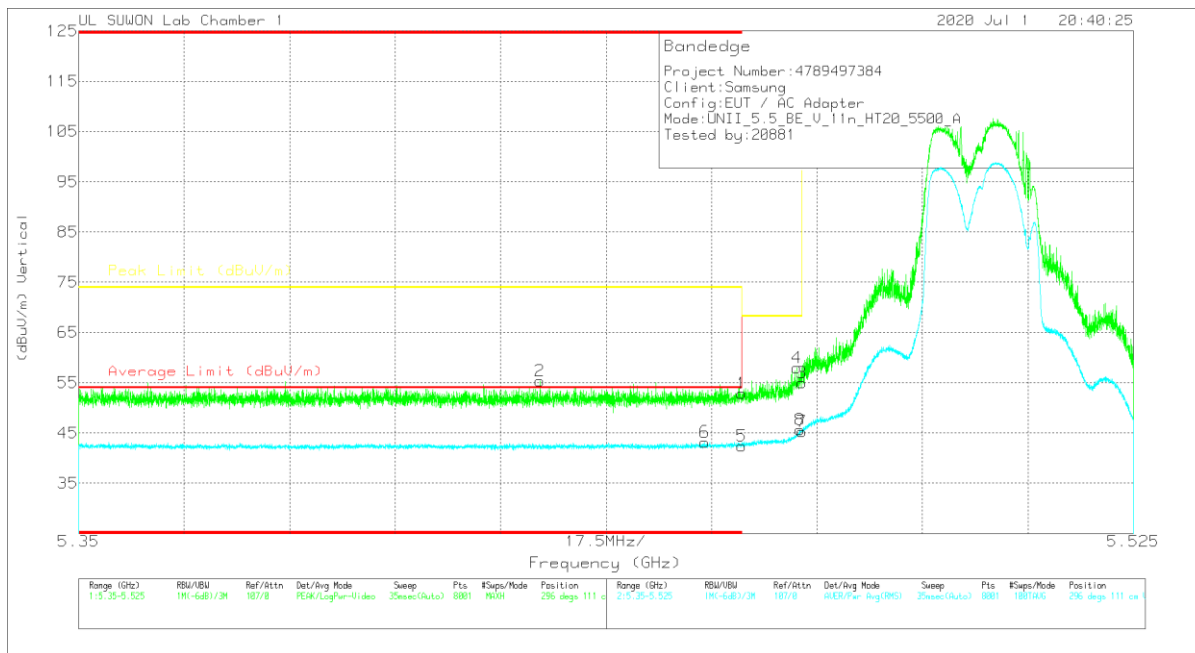
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.45999       | 38.72                | Pk  | 34.7          | -21.4        | 0            | 52.02                      | -                      | -           | 74                  | -21.98         | 307            | 100         | H        |
| 2      | * 5.4597        | 42.07                | Pk  | 34.7          | -21.5        | 0            | 55.27                      | -                      | -           | 74                  | -18.73         | 307            | 100         | H        |
| 3      | 5.46998         | 45.75                | Pk  | 34.7          | -21.5        | 0            | 58.95                      | -                      | -           | 68.2                | -9.25          | 307            | 100         | H        |
| 4      | 5.46861         | 47.26                | Pk  | 34.7          | -21.5        | 0            | 60.46                      | -                      | -           | 68.2                | -7.74          | 307            | 100         | H        |
| 5      | * 5.45999       | 29.74                | RMS | 34.7          | -21.4        | 0            | 43.04                      | 54                     | -10.96      | -                   | -              | 307            | 100         | H        |
| 6      | * 5.45782       | 29.87                | RMS | 34.7          | -21.4        | 0            | 43.17                      | 54                     | -10.83      | -                   | -              | 307            | 100         | H        |
| 7      | 5.46998         | 32.62                | RMS | 34.7          | -21.5        | 0            | 45.82                      | -                      | -           | -                   | -              | 307            | 100         | H        |
| 8      | 5.4699          | 33.44                | RMS | 34.7          | -21.5        | 0            | 46.64                      | -                      | -           | -                   | -              | 307            | 100         | H        |

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE DATA**



**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB_ATT[dB] | DC Cor (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|-------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.45999       | 39.53                | Pk  | 34.7          | -21.4        | 0           | 52.83                      | -                      | -           | 74                  | -21.17         | 296            | 111         | V        |
| 2      | * 5.42656       | 42.24                | Pk  | 34.7          | -21.6        | 0           | 55.34                      | -                      | -           | 74                  | -18.66         | 296            | 111         | V        |
| 3      | 5.46998         | 41.83                | Pk  | 34.7          | -21.5        | 0           | 55.03                      | -                      | -           | 68.2                | -13.17         | 296            | 111         | V        |
| 4      | 5.46915         | 44.83                | Pk  | 34.7          | -21.5        | 0           | 58.03                      | -                      | -           | 68.2                | -10.17         | 296            | 111         | V        |
| 5      | * 5.45999       | 29.15                | RMS | 34.7          | -21.4        | 0           | 42.45                      | 54                     | -11.55      | -                   | -              | 296            | 111         | V        |
| 6      | * 5.45388       | 29.91                | RMS | 34.7          | -21.4        | 0           | 43.21                      | 54                     | -10.79      | -                   | -              | 296            | 111         | V        |
| 7      | 5.46998         | 32.08                | RMS | 34.7          | -21.5        | 0           | 45.28                      | -                      | -           | -                   | -              | 296            | 111         | V        |
| 8      | 5.46963         | 32.45                | RMS | 34.7          | -21.5        | 0           | 45.65                      | -                      | -           | -                   | -              | 296            | 111         | V        |

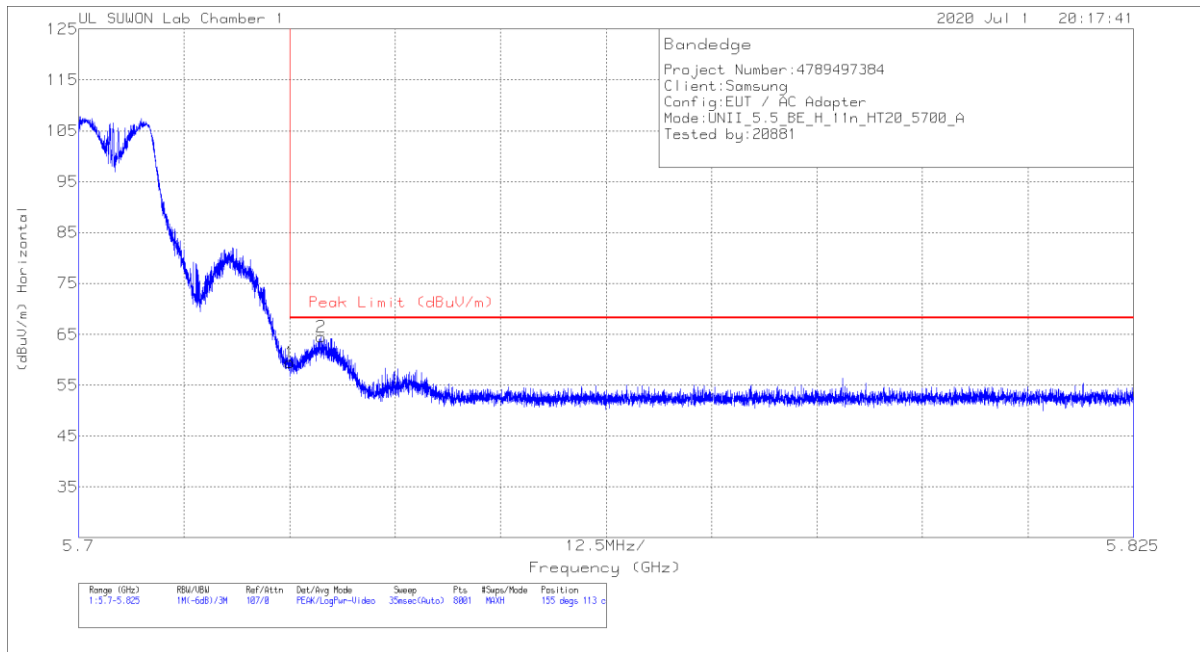
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL PEAK DATA**

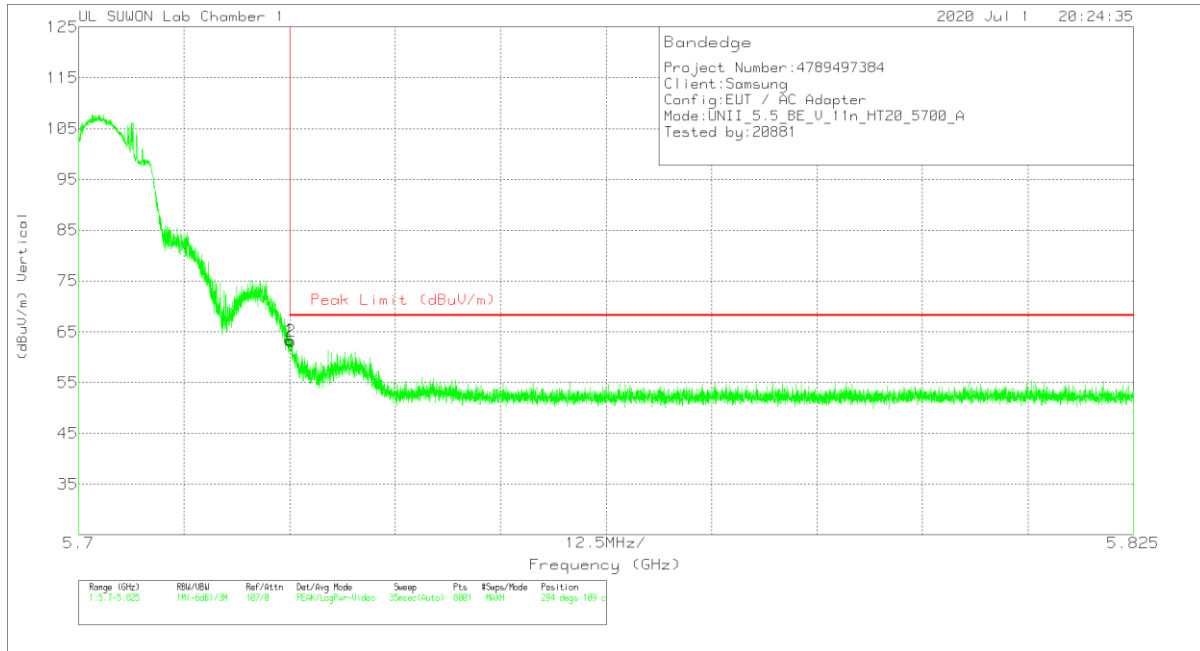


**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|--------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.72502         | 45.74                | Pk  | 34.8          | -21.1        | 0            | 59.44                      | 68.2                | -8.76          | 155            | 113         | H        |
| 2      | 5.72875         | 50.8                 | Pk  | 34.8          | -21.1        | 0            | 64.5                       | 68.2                | -3.7           | 155            | 113         | H        |

Pk - Peak detector

**VERTICAL PEAK AND AVERAGE DATA**



**Trace Markers**

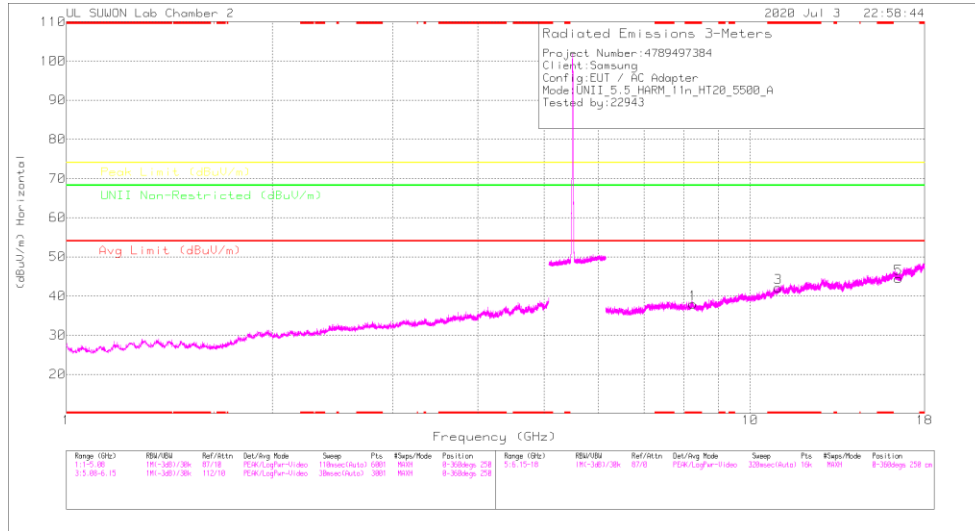
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|--------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.72502         | 49.74                | Pk  | 34.8          | -21.1        | 0            | 63.44                      | 68.2                | -4.76          | 294            | 109         | V        |
| 2      | 5.72514         | 49.49                | Pk  | 34.8          | -21.1        | 0            | 63.19                      | 68.2                | -5.01          | 294            | 109         | V        |

Pk - Peak detector

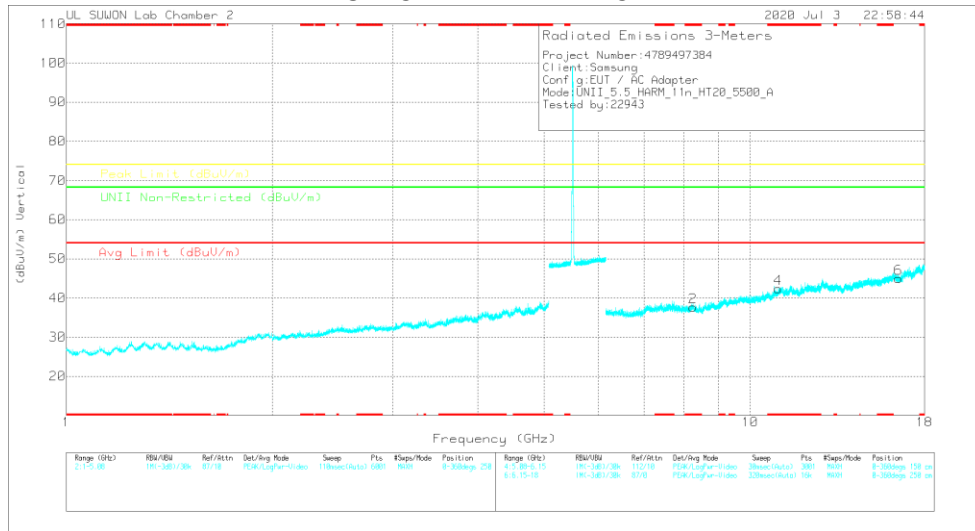


**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL HORIZONTAL**



**LOW CHANNEL VERTICAL**



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**LOW CHANNEL DATA**

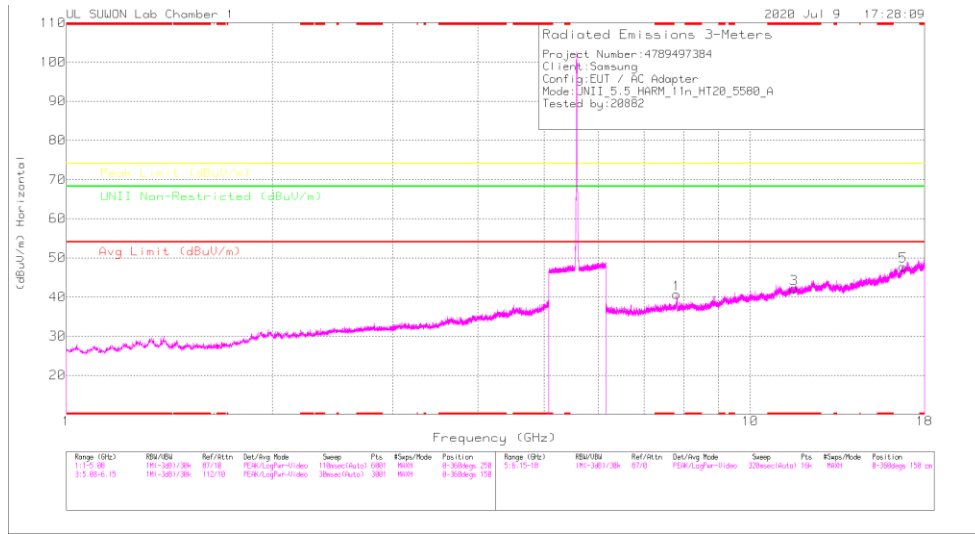
**Radiated Emissions**

| Frequency (GHz) | Meas Reading (dBuV) | Det  | 317_0016B724 | 6GHz_HF(SB) | DC Corr (dB) | Combined Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | UNII Non-Restricted (dBuV/m) | Margin (dB) | Azimuth (Deg) | Height (cm) | Polarity |
|-----------------|---------------------|------|--------------|-------------|--------------|---------------------------|--------------------|-------------|---------------------|-------------|------------------------------|-------------|---------------|-------------|----------|
| * 8.24896       | 35.27               | PK-U | 36           | -22.9       | 0            | 48.37                     | -                  | -           | 74                  | -25.63      | -                            | -           | 0             | 100         | H        |
| * 8.25036       | 35.85               | PK-U | 36           | -22.9       | 0            | 48.95                     | -                  | -           | 74                  | -25.05      | -                            | -           | 0             | 100         | V        |
| * 11.00135      | 34                  | PK-U | 38.1         | -20.3       | 0            | 51.8                      | -                  | -           | 74                  | -22.2       | -                            | -           | 0             | 100         | H        |
| * 10.99905      | 34.26               | PK-U | 38.1         | -20.3       | 0            | 52.06                     | -                  | -           | 74                  | -21.94      | -                            | -           | 0             | 100         | V        |
| 16.50055        | 35.19               | PK-U | 40.5         | -19.8       | 0            | 55.89                     | -                  | -           | -                   | -           | 68.2                         | -12.31      | 0             | 100         | H        |
| 16.48895        | 34.6                | PK-U | 40.5         | -19.8       | 0            | 55.3                      | -                  | -           | -                   | -           | 68.2                         | -12.9       | 0             | 100         | V        |

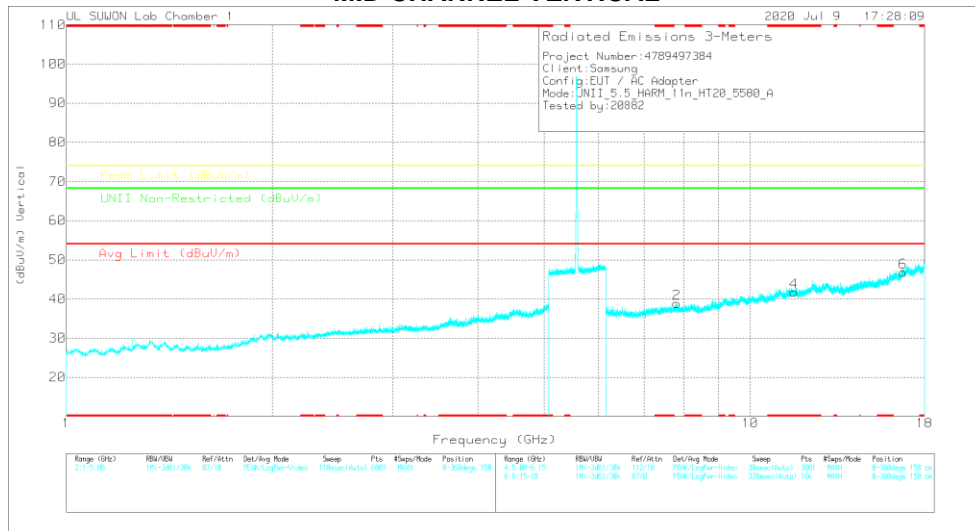
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

**MID CHANNEL HORIZONTAL**



**MID CHANNEL VERTICAL**



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

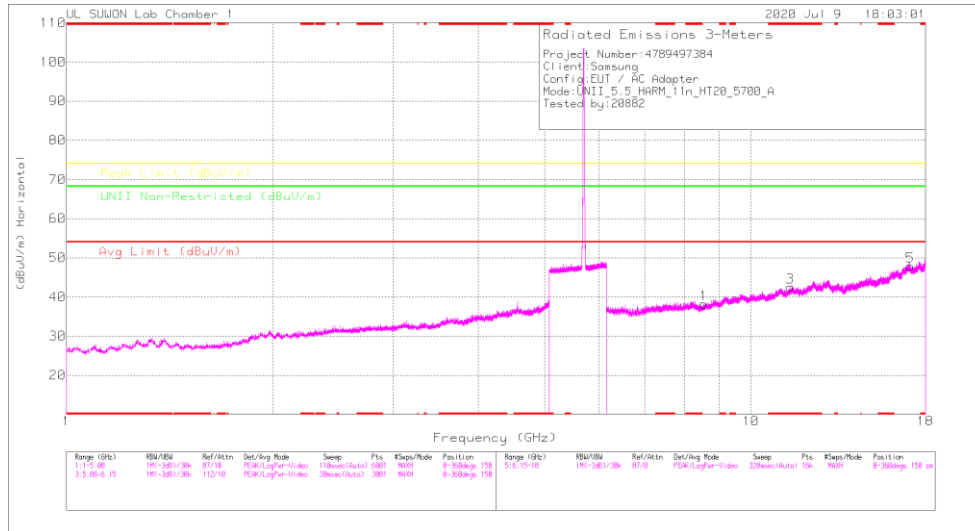
**MID CHANNEL DATA**

**Radiated Emissions**

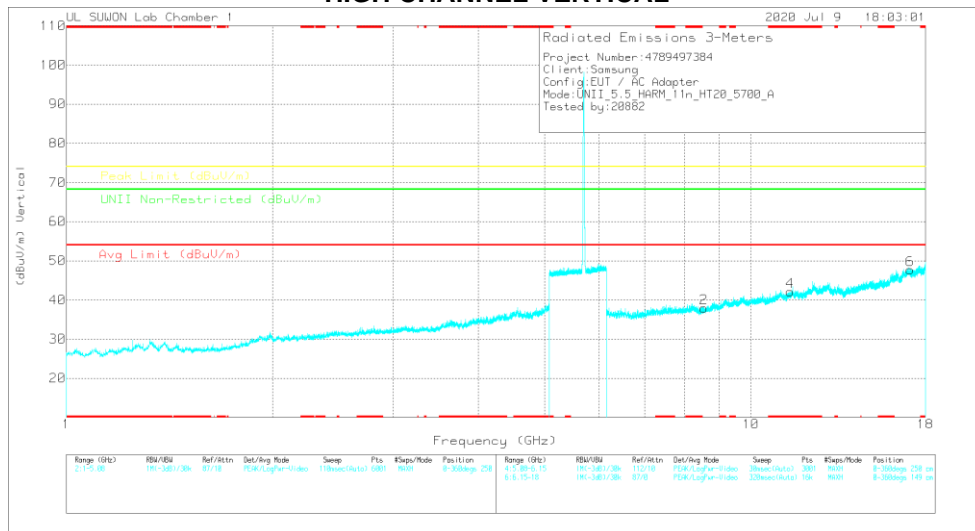
| Frequency (GHz) | Mask Reading (dBuV) | Det  | 317_0016B717 | 6GHz_HPS(B) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | UNII Non-Restrictd (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|---------------------|------|--------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|-----------------------------|-------------|----------------|-------------|----------|
| 7.80696         | 42.81               | PK-U | 35.9         | -26.5       | 0            | 52.21                      | -                  | -           | -                   | -           | 68.2                        | -15.99      | 245            | 129         | H        |
| 7.81032         | 42.24               | PK-U | 35.9         | -26.5       | 0            | 51.64                      | -                  | -           | -                   | -           | 68.2                        | -16.56      | 275            | 100         | V        |
| * 11.15834      | 36.59               | PK-U | 38.3         | -22.6       | 0            | 52.29                      | -                  | -           | 74                  | -21.71      | -                           | -           | 360            | 100         | H        |
| * 11.16001      | 36.6                | PK-U | 38.3         | -22.6       | 0            | 52.3                       | -                  | -           | 74                  | -21.7       | -                           | -           | 360            | 100         | V        |
| 16.73976        | 35.18               | PK-U | 41.3         | -18.1       | 0            | 58.38                      | -                  | -           | -                   | -           | 68.2                        | -9.82       | 360            | 100         | H        |
| 16.74032        | 34.45               | PK-U | 41.3         | -18.1       | 0            | 57.65                      | -                  | -           | -                   | -           | 68.2                        | -10.55      | 360            | 100         | V        |

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK-U - U-NII: Maximum Peak

### HIGH CHANNEL HORIZONTAL



### HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

### HIGH CHANNEL DATA

#### Radiated Emissions

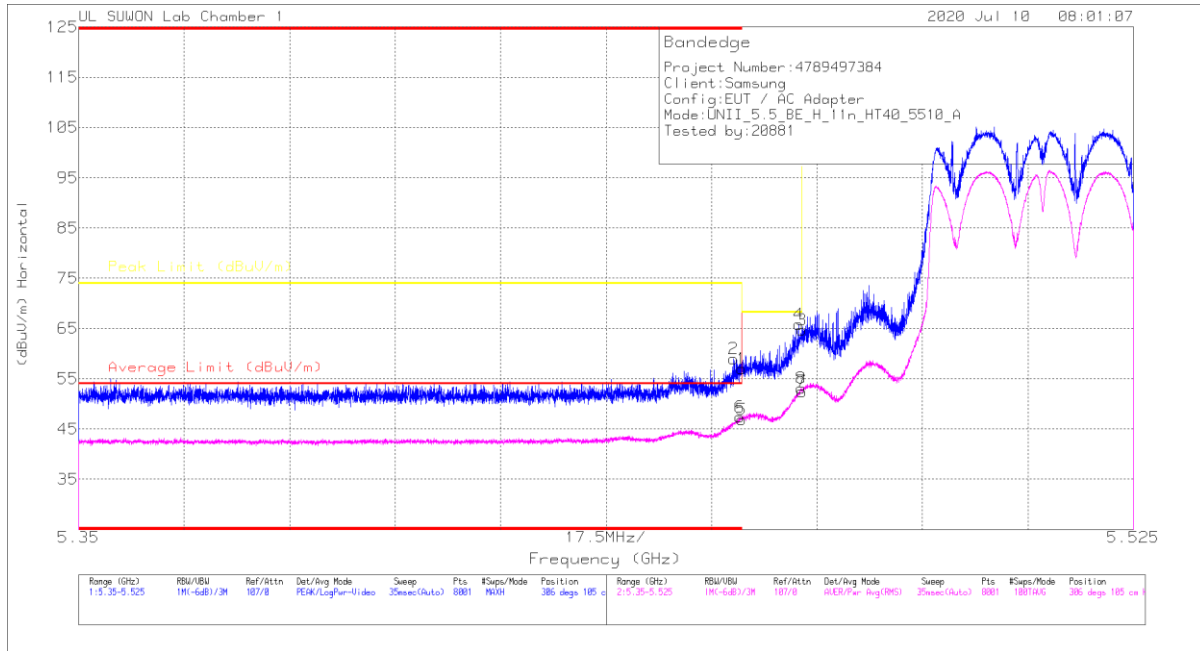
| Frequency (GHz) | Meas Reading (dBuV) | Det  | 317_0168717 | SQL_HF(S) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | UNII Non-Restricted (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|---------------------|------|-------------|-----------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|------------------------------|-------------|----------------|-------------|----------|
| 8.5468          | 37.75               | PK-U | 36.3        | -25       | 0            | 49.05                      | -                  | -           | -                   | -           | 68.2                         | -19.15      | 360            | 100         | H        |
| 8.548           | 36.99               | PK-U | 36.3        | -25       | 0            | 48.29                      | -                  | -           | -                   | -           | 68.2                         | -19.91      | 360            | 100         | V        |
| *11.40022       | 36.08               | PK-U | 38.5        | -22.4     | 0            | 52.18                      | -                  | -           | 74                  | -21.82      | -                            | -           | 360            | 100         | H        |
| *11.39977       | 36.21               | PK-U | 38.4        | -22.4     | 0            | 52.21                      | -                  | -           | 74                  | -21.79      | -                            | -           | 360            | 100         | V        |
| 17.09927        | 34.51               | PK-U | 41.6        | -17.6     | 0            | 58.51                      | -                  | -           | -                   | -           | 68.2                         | -9.69       | 360            | 100         | H        |
| 17.09895        | 34.56               | PK-U | 41.6        | -17.6     | 0            | 58.56                      | -                  | -           | -                   | -           | 68.2                         | -9.64       | 360            | 100         | V        |

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK-U - U-NII: Maximum Peak

### 11.3.3. TX ABOVE 1GHz 802.11n HT40 2Tx MODE IN THE 5.5GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE DATA



#### Trace Markers

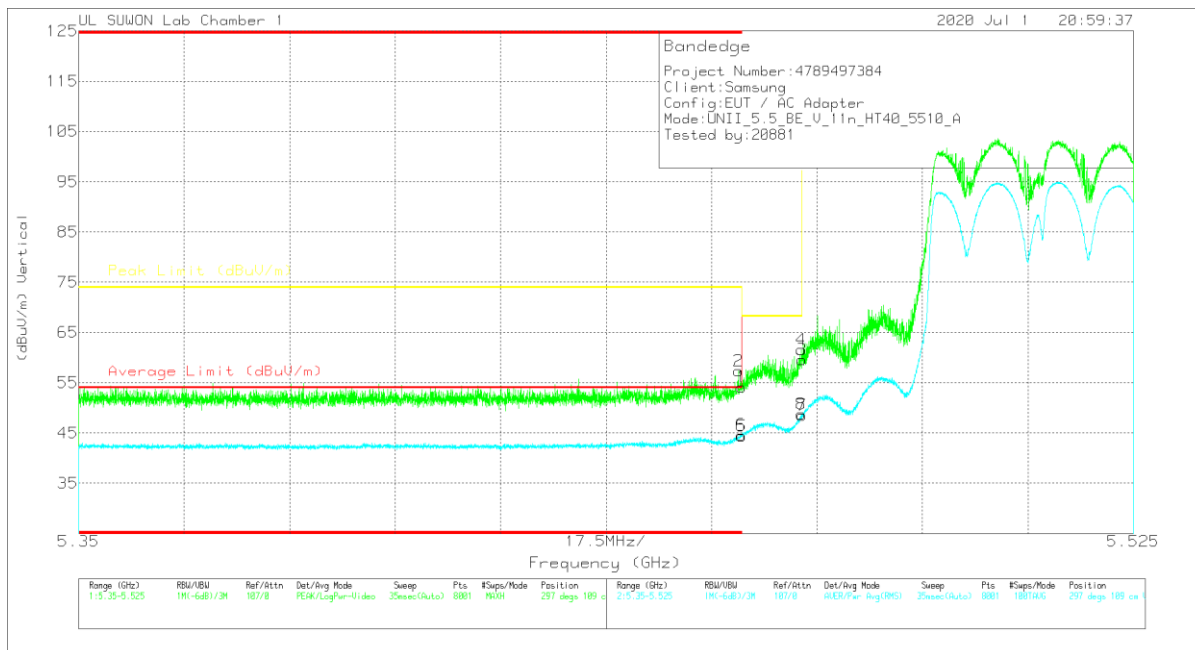
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB_ATT[dB] | DC Cor (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|-------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.45999       | 43.66                | Pk  | 34.7          | -21.4        | 0           | 56.96                      | -                      | -           | 74                  | -17.04         | 306            | 105         | H        |
| 2      | * 5.4587        | 45.82                | Pk  | 34.7          | -21.5        | 0           | 59.02                      | -                      | -           | 74                  | -14.98         | 306            | 105         | H        |
| 3      | 5.46998         | 51.52                | Pk  | 34.7          | -21.5        | 0           | 64.72                      | -                      | -           | 68.2                | -3.48          | 306            | 105         | H        |
| 4      | 5.46944         | 52.66                | Pk  | 34.7          | -21.5        | 0           | 65.86                      | -                      | -           | 68.2                | -2.34          | 306            | 105         | H        |
| 5      | * 5.45999       | 33.64                | RMS | 34.7          | -21.4        | 0           | 46.94                      | 54                     | -7.06       | -                   | -              | 306            | 105         | H        |
| 6      | * 5.45966       | 34.15                | RMS | 34.7          | -21.5        | 0           | 47.35                      | 54                     | -6.65       | -                   | -              | 306            | 105         | H        |
| 7      | 5.46998         | 39.24                | RMS | 34.7          | -21.5        | 0           | 52.44                      | -                      | -           | -                   | -              | 306            | 105         | H        |
| 8      | 5.46988         | 39.91                | RMS | 34.7          | -21.5        | 0           | 53.11                      | -                      | -           | -                   | -              | 306            | 105         | H        |

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE DATA**



**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB_ATT[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      | * 5.45999       | 40.88                | Pk  | 34.7          | -21.4        | 0            | 54.18                      | -                      | -           | 74                  | -19.82         | 297            | 109         | V        |
| 2      | * 5.45944       | 44.16                | Pk  | 34.7          | -21.5        | 0            | 57.36                      | -                      | -           | 74                  | -16.64         | 297            | 109         | V        |
| 3      | 5.46998         | 46.43                | Pk  | 34.7          | -21.5        | 0            | 59.63                      | -                      | -           | 68.2                | -8.57          | 297            | 109         | V        |
| 4      | 5.46985         | 48.42                | Pk  | 34.7          | -21.5        | 0            | 61.62                      | -                      | -           | 68.2                | -6.58          | 297            | 109         | V        |
| 5      | * 5.45999       | 31.11                | RMS | 34.7          | -21.4        | 0            | 44.41                      | 54                     | -9.59       | -                   | -              | 297            | 109         | V        |
| 6      | * 5.45986       | 31.38                | RMS | 34.7          | -21.5        | 0            | 44.58                      | 54                     | -9.42       | -                   | -              | 297            | 109         | V        |
| 7      | 5.46998         | 35.28                | RMS | 34.7          | -21.5        | 0            | 48.48                      | -                      | -           | -                   | -              | 297            | 109         | V        |
| 8      | 5.46988         | 35.53                | RMS | 34.7          | -21.5        | 0            | 48.73                      | -                      | -           | -                   | -              | 297            | 109         | V        |

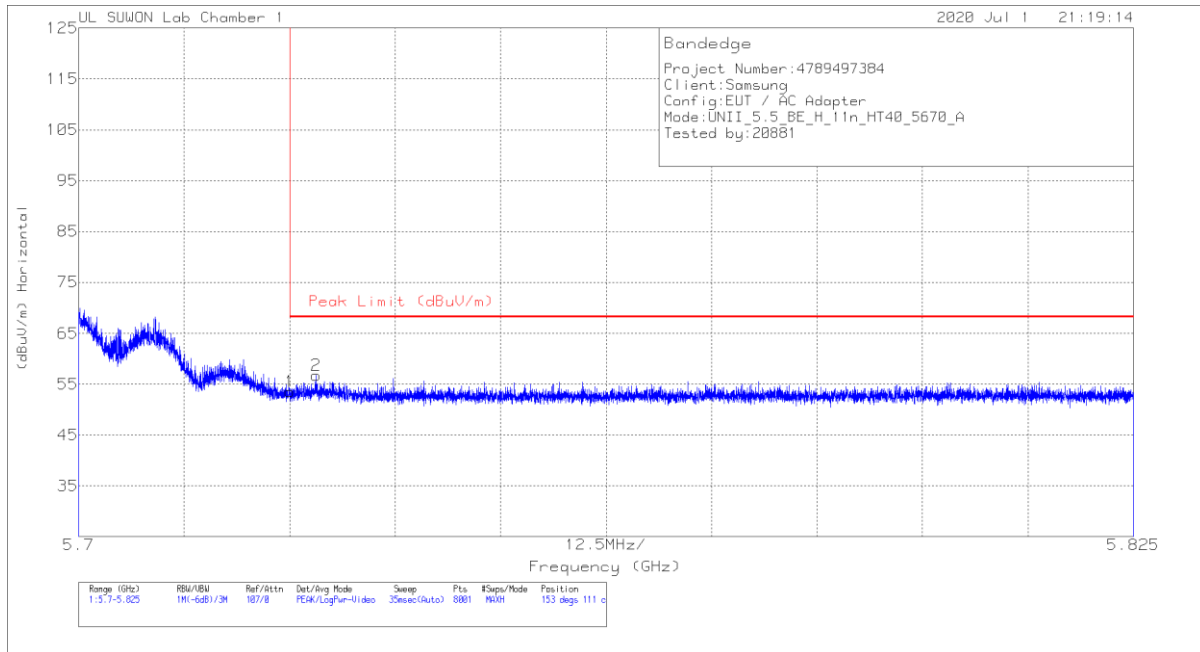
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL PEAK AND AVERAGE DATA**

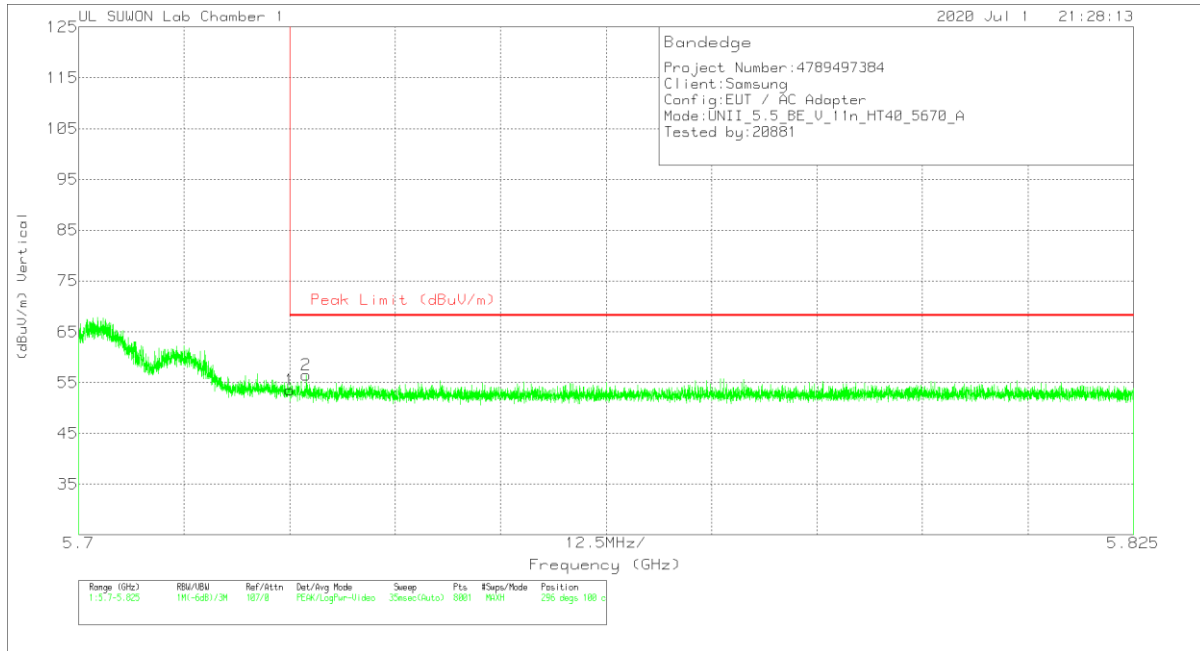


**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|--------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.72502         | 39.89                | Pk  | 34.8          | -21.1        | 0            | 53.59                      | 68.2                | -14.61         | 153            | 111         | H        |
| 2      | 5.72817         | 43                   | Pk  | 34.8          | -21.1        | 0            | 56.7                       | 68.2                | -11.5          | 153            | 111         | H        |

Pk - Peak detector

**VERTICAL PEAK AND AVERAGE DATA**



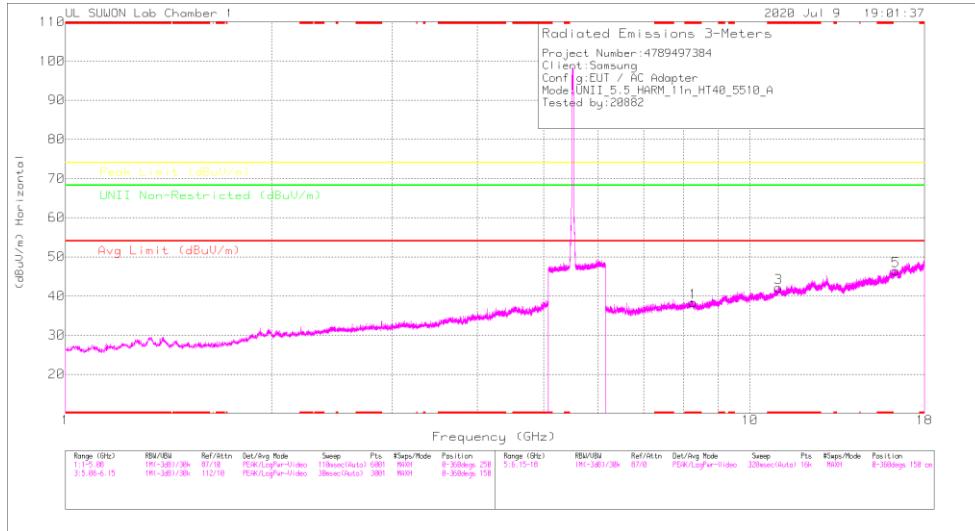
**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|--------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.72502         | 39.8                 | Pk  | 34.8          | -21.1        | 0            | 53.5                       | 68.2                | -14.7          | 296            | 100         | V        |
| 2      | 5.72698         | 42.82                | Pk  | 34.8          | -21.1        | 0            | 56.52                      | 68.2                | -11.68         | 296            | 100         | V        |

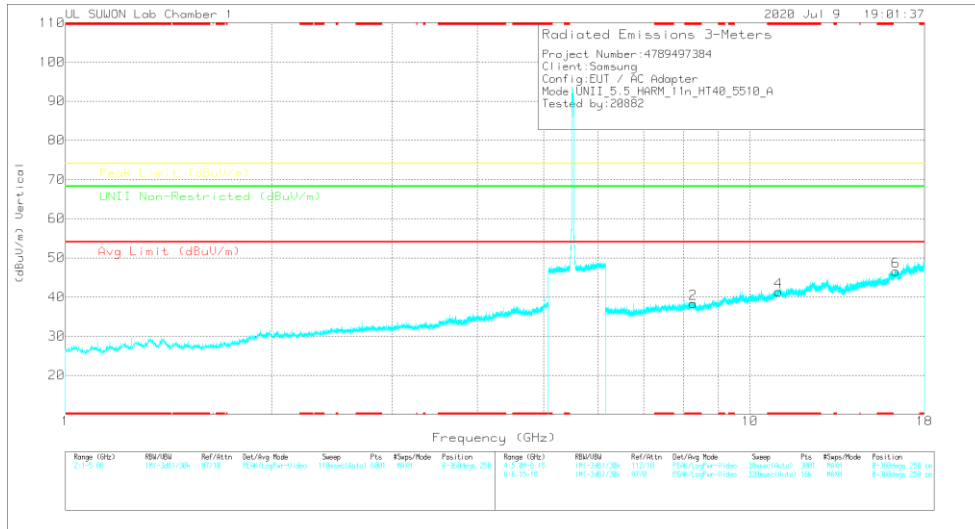
Pk - Peak detector

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL HORIZONTAL**



**LOW CHANNEL VERTICAL**



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**LOW CHANNEL DATA**

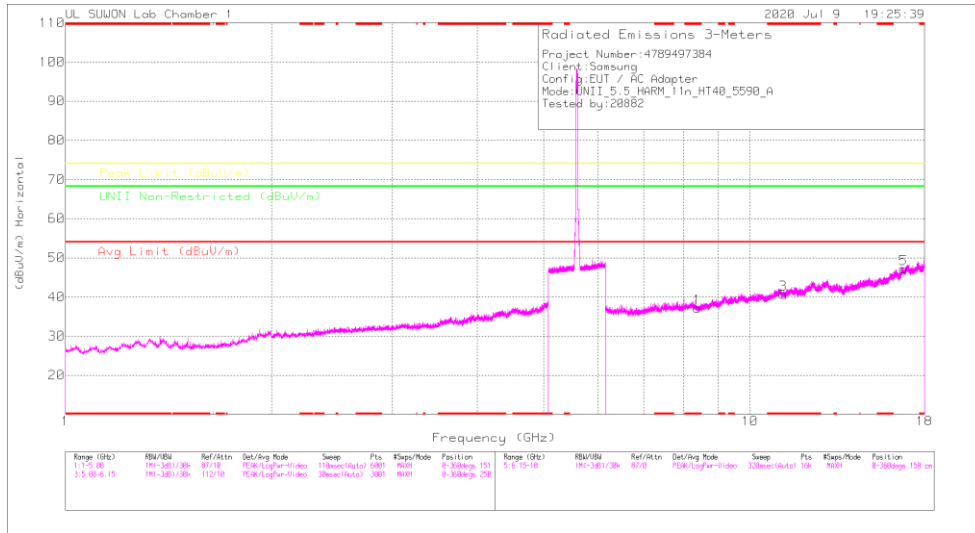
**Radiated Emissions**

| Frequency (GHz) | Max Reading (dBuV) | Det  | 317_00168717 | ISCH_HPSRB | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | UNII Non-Restricted (dBuV/m) | Margin (dB) | Altitude (Meters) | Height (cm) | Polarity |
|-----------------|--------------------|------|--------------|------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|------------------------------|-------------|-------------------|-------------|----------|
| * 8.2637        | 37.71              | PK-U | 36.4         | -25.5      | 0            | 48.61                      | -                  | -           | 74                  | -25.39      | -                            | -           | 360               | 100         | H        |
| * 8.26496       | 37.4               | PK-U | 36.4         | -25.5      | 0            | 48.3                       | -                  | -           | 74                  | -25.7       | -                            | -           | 360               | 100         | V        |
| * 11.01926      | 36.19              | PK-U | 38.2         | -21.8      | 0            | 52.59                      | -                  | -           | 74                  | -21.41      | -                            | -           | 360               | 100         | H        |
| * 11.02121      | 36.01              | PK-U | 38.2         | -21.8      | 0            | 52.41                      | -                  | -           | 74                  | -21.59      | -                            | -           | 360               | 100         | V        |
| 16.53082        | 35.33              | PK-U | 40.9         | -19.5      | 0            | 56.73                      | -                  | -           | -                   | -           | 68.2                         | -11.47      | 360               | 100         | H        |
| 16.53174        | 35.63              | PK-U | 40.9         | -19.5      | 0            | 57.03                      | -                  | -           | -                   | -           | 68.2                         | -11.17      | 360               | 100         | V        |

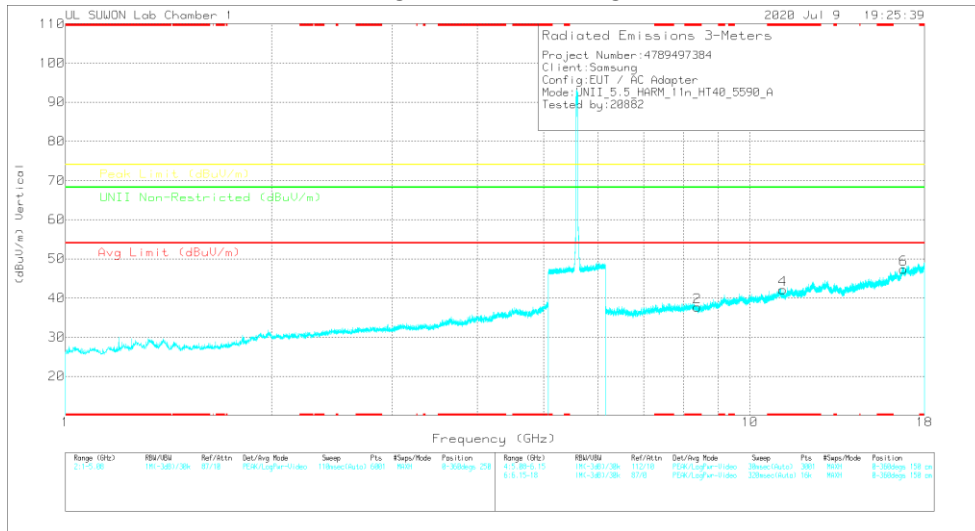
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK-U - U-NII: Maximum Peak



**MID CHANNEL HORIZONTAL**



**MID CHANNEL VERTICAL**



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**MID CHANNEL DATA**

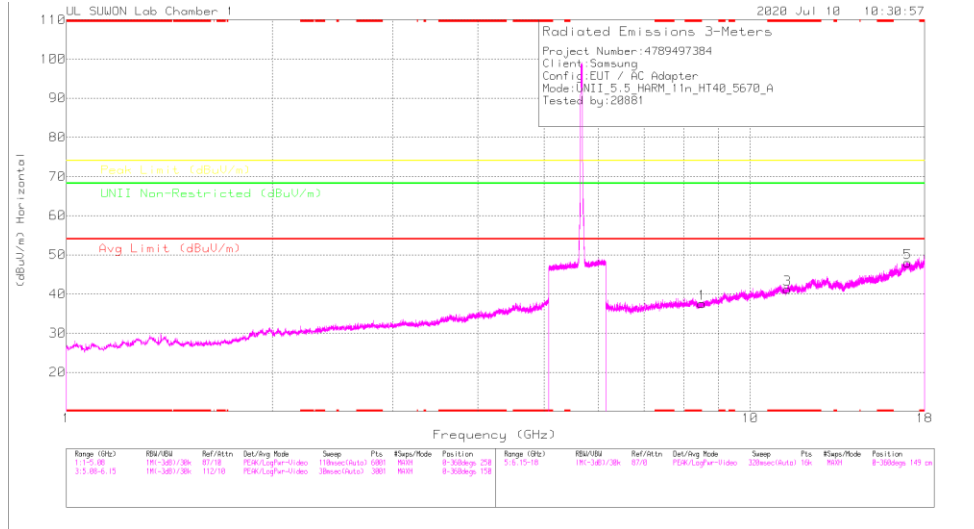
**Radiated Emissions**

| Frequency (GHz) | Main Reading (dBu) | Det  | 317_00168717 | 6GHz_HF[dB] | DC Cor (dB) | Compass Reading (dBu/m) | Avg Limit (dBu/m) | Margin (dB) | Peak Limit (dBu/m) | Margin (dB) | UNII Non-Restricted (dBu/m) | Margin (dB) | Admth (Days) | Height (cm) | Polarity |
|-----------------|--------------------|------|--------------|-------------|-------------|-------------------------|-------------------|-------------|--------------------|-------------|-----------------------------|-------------|--------------|-------------|----------|
| * 8.38892       | 37.61              | PK-U | 36.3         | -25.9       | 0           | 48.01                   | -                 | -           | 74                 | -25.99      | -                           | -           | 360          | 100         | H        |
| * 8.38613       | 37.93              | PK-U | 36.3         | -25.9       | 0           | 48.33                   | -                 | -           | 74                 | -25.67      | -                           | -           | 360          | 100         | V        |
| * 11.18635      | 36.29              | PK-U | 36.3         | -22.5       | 0           | 52.09                   | -                 | -           | 74                 | -21.91      | -                           | -           | 360          | 100         | H        |
| * 11.18632      | 36.21              | PK-U | 36.3         | -22.5       | 0           | 52.01                   | -                 | -           | 74                 | -21.99      | -                           | -           | 360          | 100         | V        |
| 16.76938        | 34.84              | PK-U | 41.4         | -17.9       | 0           | 58.34                   | -                 | -           | -                  | -           | 68.2                        | -9.86       | 360          | 100         | H        |
| 16.76754        | 34.38              | PK-U | 41.4         | -17.9       | 0           | 57.88                   | -                 | -           | -                  | -           | 68.2                        | -10.32      | 360          | 100         | V        |

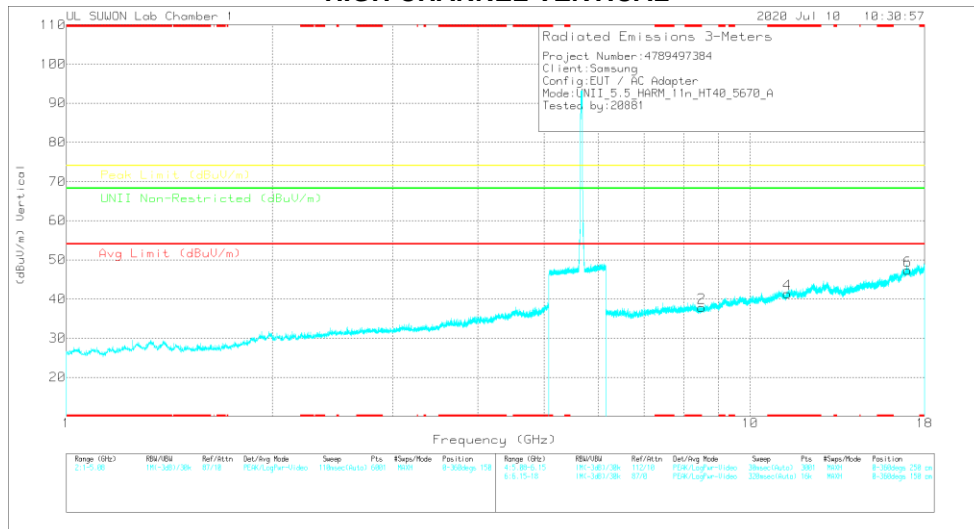
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

### HIGH CHANNEL HORIZONTAL



### HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

### HIGH CHANNEL DATA

#### Radiated Emissions

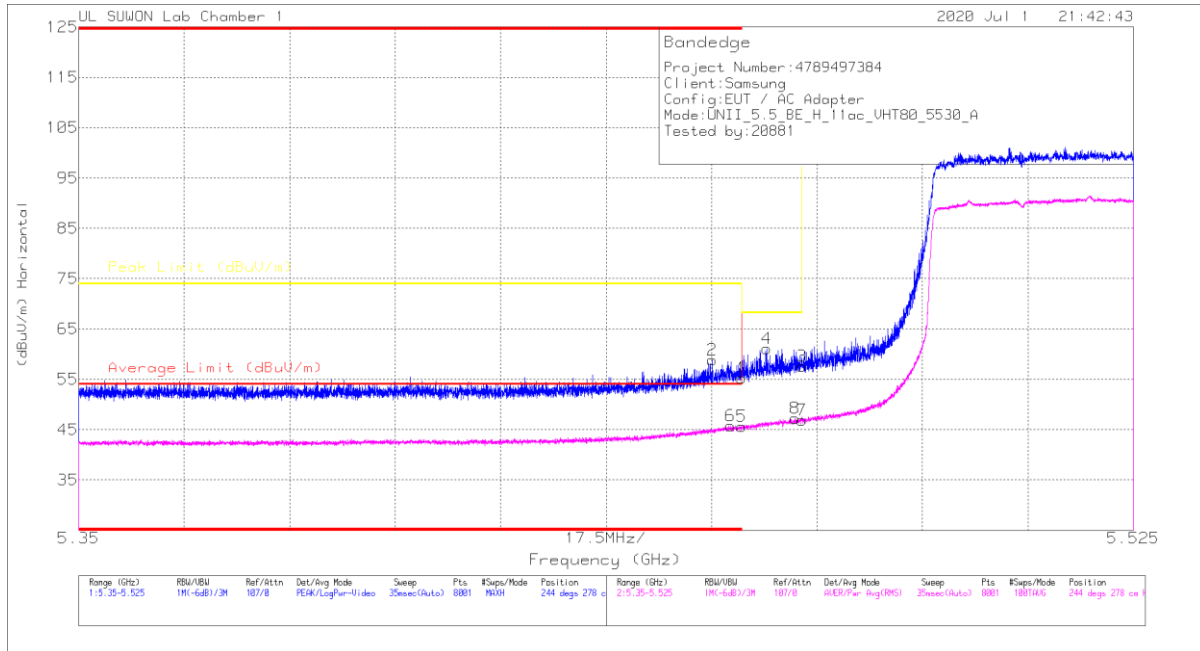
| Frequency (GHz) | Max Reading (dBuV) | Det  | 2197_20160717 | @GHz_HF@ | OC Corr (dB) | Concord Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | UNII Non-Restricted (dBuV/m) | Margin (dB) | Azimuth (Deg) | Height (cm) | Polarity |
|-----------------|--------------------|------|---------------|----------|--------------|--------------------------|--------------------|-------------|---------------------|-------------|------------------------------|-------------|---------------|-------------|----------|
| 8.5047          | 37.4               | PK-U | 36.3          | -25.4    | 0            | 48.64                    | -                  | -           | -                   | -           | 68.2                         | -19.56      | 360           | 100         | H        |
| 8.5049          | 37.4               | PK-U | 36.3          | -25.4    | 0            | 48.3                     | -                  | -           | -                   | -           | 68.2                         | -19.9       | 360           | 100         | V        |
| *11.33964       | 36.06              | PK-U | 38.4          | -22.4    | 0            | 52.06                    | -                  | -           | 74                  | -21.94      | -                            | -           | 360           | 100         | H        |
| *11.34066       | 36.57              | PK-U | 38.4          | -22.4    | 0            | 52.57                    | -                  | -           | 74                  | -21.43      | -                            | -           | 360           | 100         | V        |
| 17.00808        | 34.87              | PK-U | 41.7          | -17.6    | 0            | 58.97                    | -                  | -           | -                   | -           | 68.2                         | -9.23       | 360           | 100         | H        |
| 17.00865        | 34.63              | PK-U | 41.7          | -17.6    | 0            | 58.73                    | -                  | -           | -                   | -           | 68.2                         | -9.47       | 360           | 100         | V        |

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK-U - U-NII: Maximum Peak

### 11.3.4. TX ABOVE 1GHz 802.11ac VHT80 2Tx MODE IN THE 5.5GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE DATA



#### Trace Markers

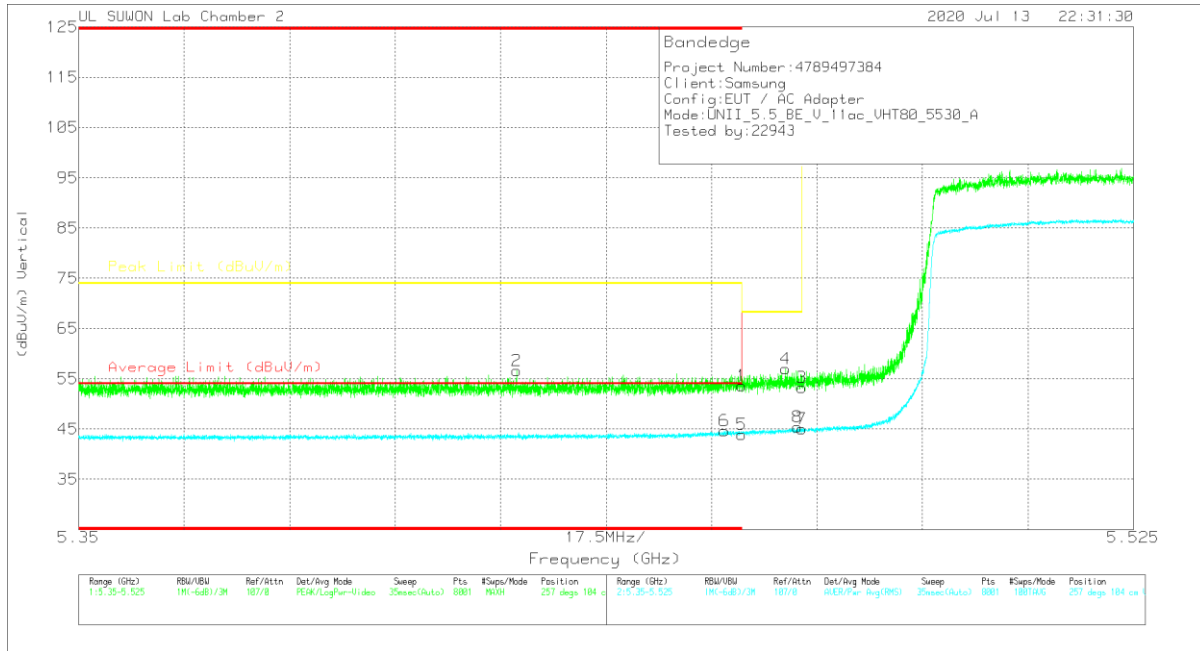
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.45999       | 41.94                | Pk  | 34.7          | -21.4        | 0            | 55.24                      | -                      | -           | 74                  | -18.76         | 244            | 278         | H        |
| 2      | * 5.45513       | 45.52                | Pk  | 34.7          | -21.4        | 0            | 58.82                      | -                      | -           | 74                  | -15.18         | 244            | 278         | H        |
| 3      | 5.46998         | 44.4                 | Pk  | 34.7          | -21.5        | 0            | 57.6                       | -                      | -           | 68.2                | -10.6          | 244            | 278         | H        |
| 4      | 5.46414         | 47.79                | Pk  | 34.7          | -21.4        | 0            | 61.09                      | -                      | -           | 68.2                | -7.11          | 244            | 278         | H        |
| 5      | * 5.45999       | 32.32                | RMS | 34.7          | -21.4        | 0            | 45.62                      | 54                     | -8.38       | -                   | -              | 244            | 278         | H        |
| 6      | * 5.45811       | 32.52                | RMS | 34.7          | -21.4        | 0            | 45.82                      | 54                     | -8.18       | -                   | -              | 244            | 278         | H        |
| 7      | 5.46998         | 33.66                | RMS | 34.7          | -21.5        | 0            | 46.86                      | -                      | -           | -                   | -              | 244            | 278         | H        |
| 8      | 5.46885         | 34.02                | RMS | 34.7          | -21.5        | 0            | 47.22                      | -                      | -           | -                   | -              | 244            | 278         | H        |

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE DATA**



**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168724 | 10dB_ATT[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      | * 5.45999       | 37.13                | Pk  | 34.6          | -18.1        | 0            | 53.63                      | -                      | -           | 74                  | -20.37         | 257            | 104         | V        |
| 2      | * 5.42263       | 40.31                | Pk  | 34.5          | -18.2        | 0            | 56.61                      | -                      | -           | 74                  | -17.39         | 257            | 104         | V        |
| 3      | 5.46998         | 36.77                | Pk  | 34.6          | -18.1        | 0            | 53.27                      | -                      | -           | 68.2                | -14.93         | 257            | 104         | V        |
| 4      | 5.46729         | 40.44                | Pk  | 34.6          | -18.1        | 0            | 56.94                      | -                      | -           | 68.2                | -11.26         | 257            | 104         | V        |
| 5      | * 5.45999       | 27.38                | RMS | 34.6          | -18.1        | 0            | 43.88                      | 54                     | -10.12      | -                   | -              | 257            | 104         | V        |
| 6      | * 5.45714       | 28.13                | RMS | 34.6          | -18.1        | 0            | 44.63                      | 54                     | -9.37       | -                   | -              | 257            | 104         | V        |
| 7      | 5.46998         | 28.55                | RMS | 34.6          | -18.1        | 0            | 45.05                      | -                      | -           | -                   | -              | 257            | 104         | V        |
| 8      | 5.46928         | 28.88                | RMS | 34.6          | -18.1        | 0            | 45.38                      | -                      | -           | -                   | -              | 257            | 104         | V        |

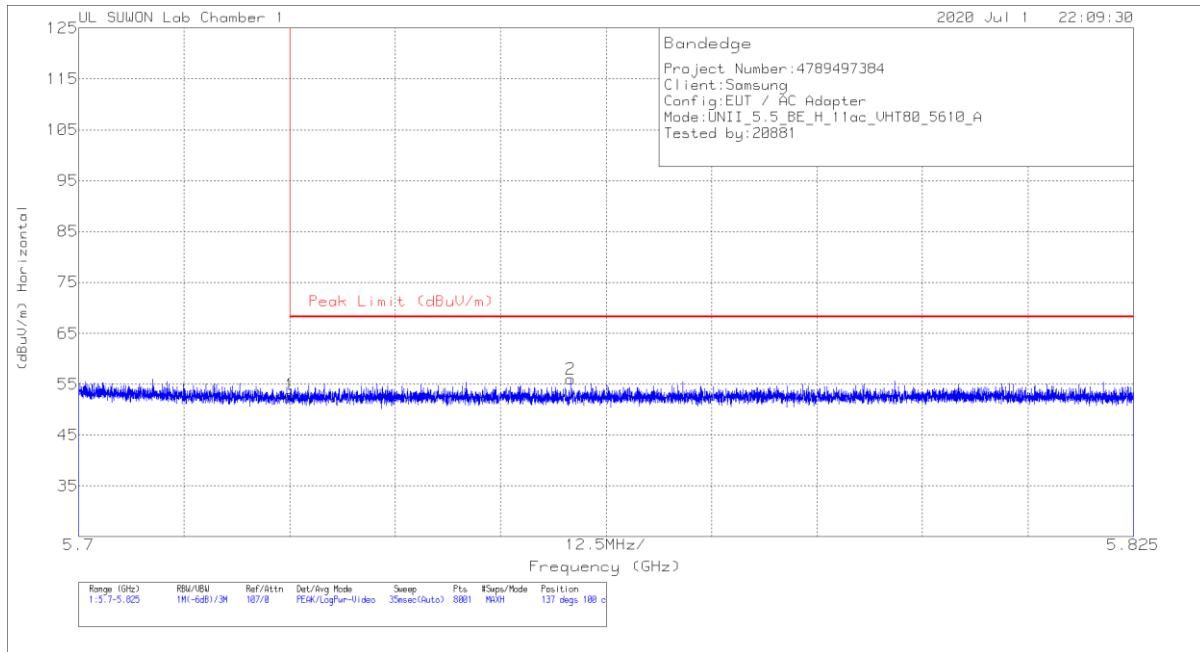
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL PEAK AND AVERAGE DATA**

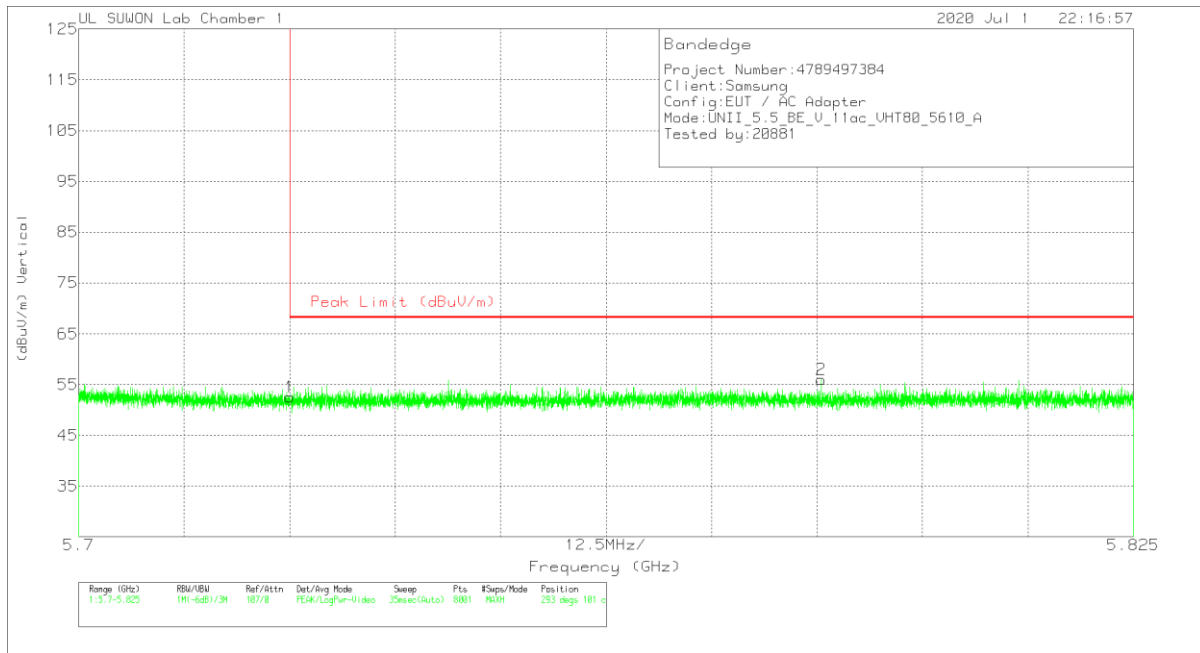


**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|--------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.72502         | 39.18                | Pk  | 34.8          | -21.1        | 0            | 52.88                      | 68.2                | -15.32         | 137            | 100         | H        |
| 2      | 5.75831         | 42.22                | Pk  | 34.8          | -21          | 0            | 56.02                      | 68.2                | -12.18         | 137            | 100         | H        |

Pk - Peak detector

**VERTICAL PEAK AND AVERAGE DATA**



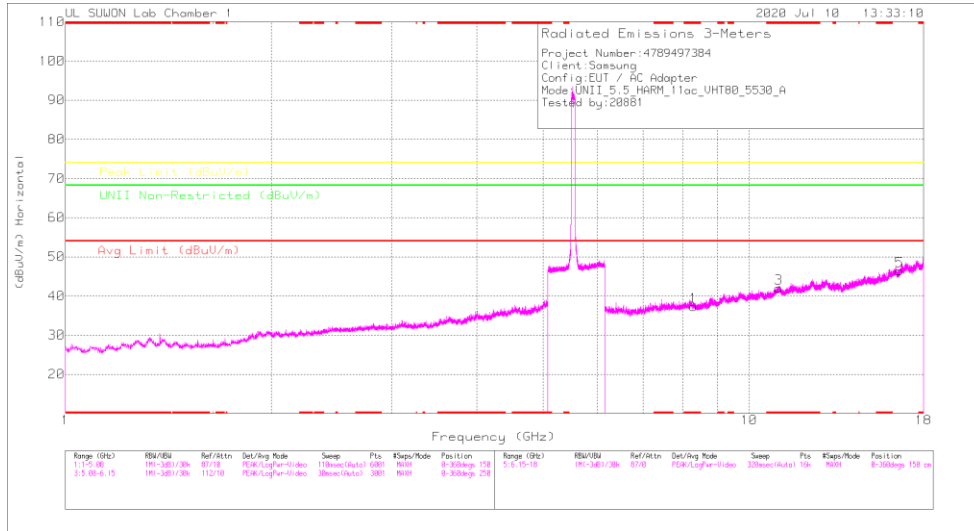
**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|--------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.72502         | 38.8                 | Pk  | 34.8          | -21.1        | 0            | 52.5                       | 68.2                | -15.7          | 293            | 101         | V        |
| 2      | 5.788           | 42.25                | Pk  | 34.9          | -21.1        | 0            | 56.05                      | 68.2                | -12.15         | 293            | 101         | V        |

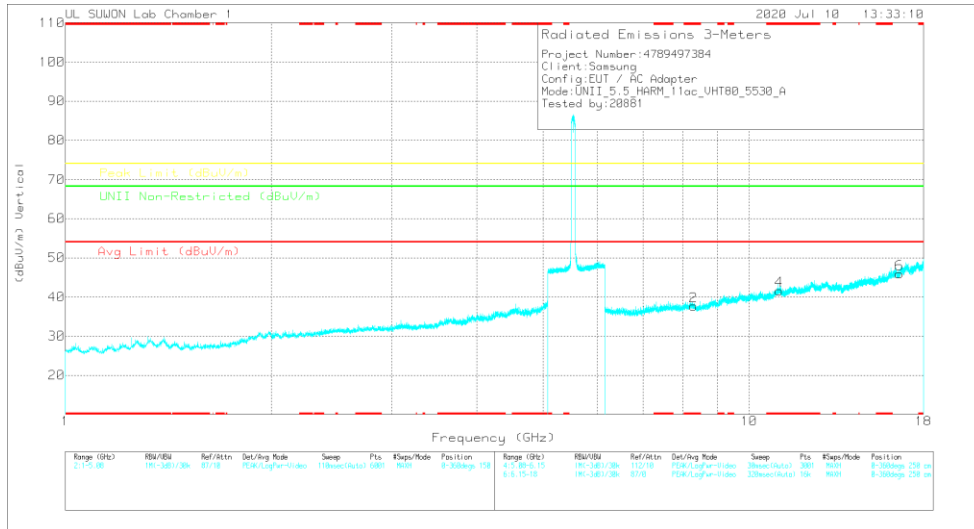
Pk - Peak detector

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL HORIZONTAL**



**LOW CHANNEL VERTICAL**



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**LOW CHANNEL DATA**

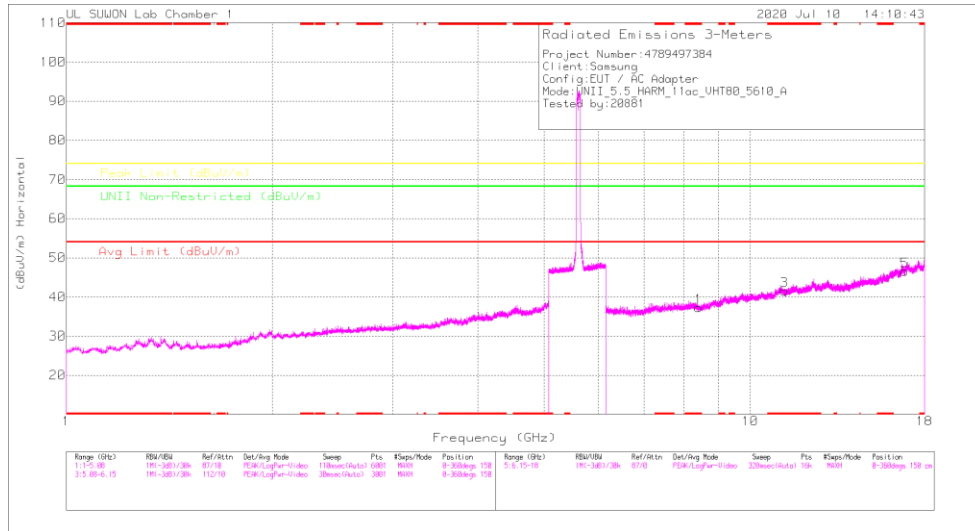
**Radiated Emissions**

| Frequency (GHz) | Meas Reading (dBuV) | Det  | 317_00168717 | 6GHz_HP[SBS] | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | UNII Non-Restricted (dBuV/m) | Margin (dB) | Azimuth (Deg) | Height (m) | Polarity |
|-----------------|---------------------|------|--------------|--------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|------------------------------|-------------|---------------|------------|----------|
| * 8.29678       | 36.97               | PK-U | 36.4         | -25.1        | 0            | 48.17                      | -                  | -           | 74                  | -25.83      | -                            | -           | 0             | 100        | H        |
| * 8.29484       | 37.57               | PK-U | 36.4         | -25.1        | 0            | 48.87                      | -                  | -           | 74                  | -25.13      | -                            | -           | 0             | 100        | V        |
| * 11.05846      | 36.01               | PK-U | 38.2         | -21.8        | 0            | 52.41                      | -                  | -           | 74                  | -21.59      | -                            | -           | 0             | 100        | H        |
| * 11.05964      | 35.83               | PK-U | 38.2         | -21.8        | 0            | 52.23                      | -                  | -           | 74                  | -21.77      | -                            | -           | 0             | 100        | V        |
| 16.59013        | 35.15               | PK-U | 41           | -19.2        | 0            | 56.95                      | -                  | -           | -                   | -           | 68.2                         | -11.25      | 0             | 100        | H        |
| 16.59069        | 34.95               | PK-U | 41           | -19.2        | 0            | 56.75                      | -                  | -           | -                   | -           | 68.2                         | -11.45      | 0             | 100        | V        |

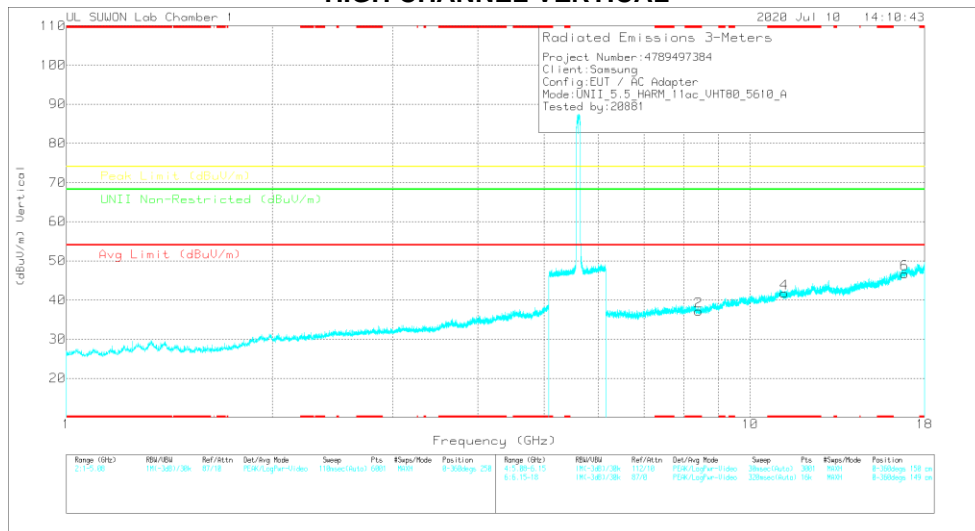
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

### HIGH CHANNEL HORIZONTAL



### HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

### HIGH CHANNEL DATA

#### Radiated Emissions

| Frequency (GHz) | Max Reading (dBuV) | Det  | 317_00160717 | 6GHz_HF(SR) | DC Corr (dB) | Commod Reading (dBuV) | Avg Limt (dBuV/m) | Margin (dB) | Peak Limt (dBuV/m) | Margin (dB) | UNII Non-restricted (dBuV/m) | Margin (dB) | Admitt (Degs) | Height (cm) | Polarity |
|-----------------|--------------------|------|--------------|-------------|--------------|-----------------------|-------------------|-------------|--------------------|-------------|------------------------------|-------------|---------------|-------------|----------|
| *8.41728        | 37.7               | PK-U | 36.3         | -25.9       | 0            | 48.1                  | -                 | -           | 74                 | -25.9       | -                            | -           | 0             | 100         | H        |
| *8.41533        | 37.63              | PK-U | 36.3         | -25.9       | 0            | 48.03                 | -                 | -           | 74                 | -25.97      | -                            | -           | 0             | 100         | V        |
| *11.22085       | 36.15              | PK-U | 38.4         | -22.3       | 0            | 52.25                 | -                 | -           | 74                 | -21.75      | -                            | -           | 0             | 100         | H        |
| *11.22001       | 36.61              | PK-U | 38.4         | -22.4       | 0            | 52.61                 | -                 | -           | 74                 | -21.39      | -                            | -           | 0             | 100         | V        |
| 16.82834        | 34.84              | PK-U | 41.5         | -18.7       | 0            | 57.64                 | -                 | -           | -                  | -           | 68.2                         | -10.56      | 0             | 100         | H        |
| 16.83026        | 34.91              | PK-U | 41.5         | -18.7       | 0            | 57.71                 | -                 | -           | -                  | -           | 68.2                         | -10.49      | 0             | 100         | V        |

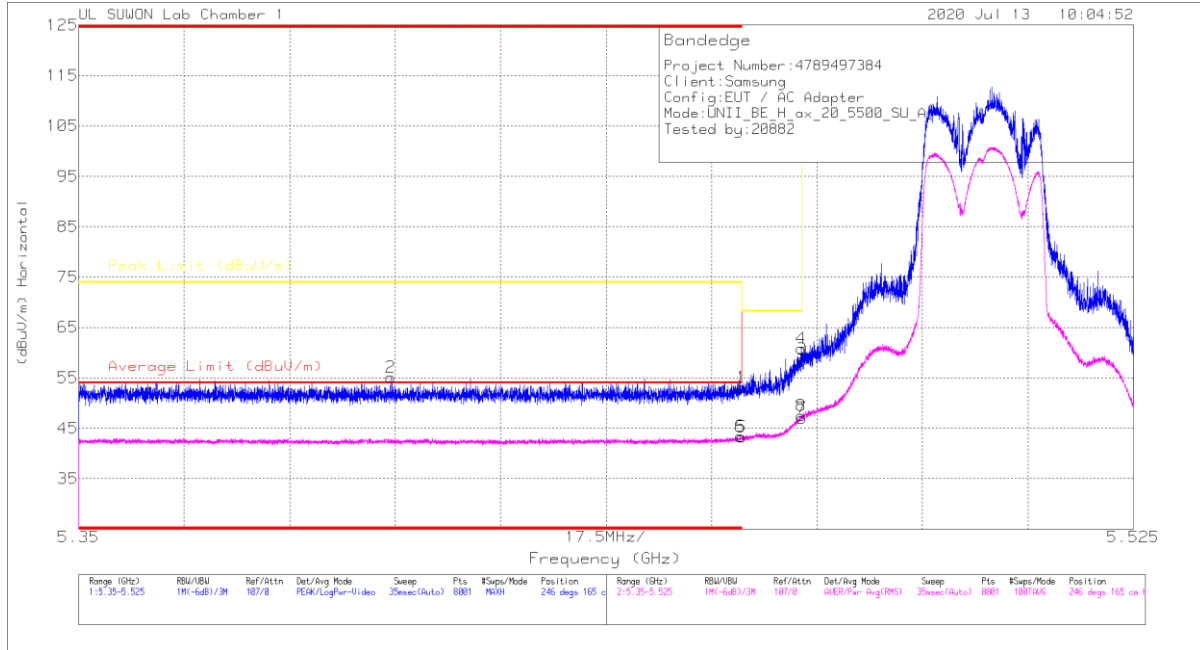
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK-U - U-NII: Maximum Peak



### 11.3.5.TX ABOVE 1GHz 802.11ax HE20 2Tx MODE IN THE 5.5GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE DATA



#### Trace Markers

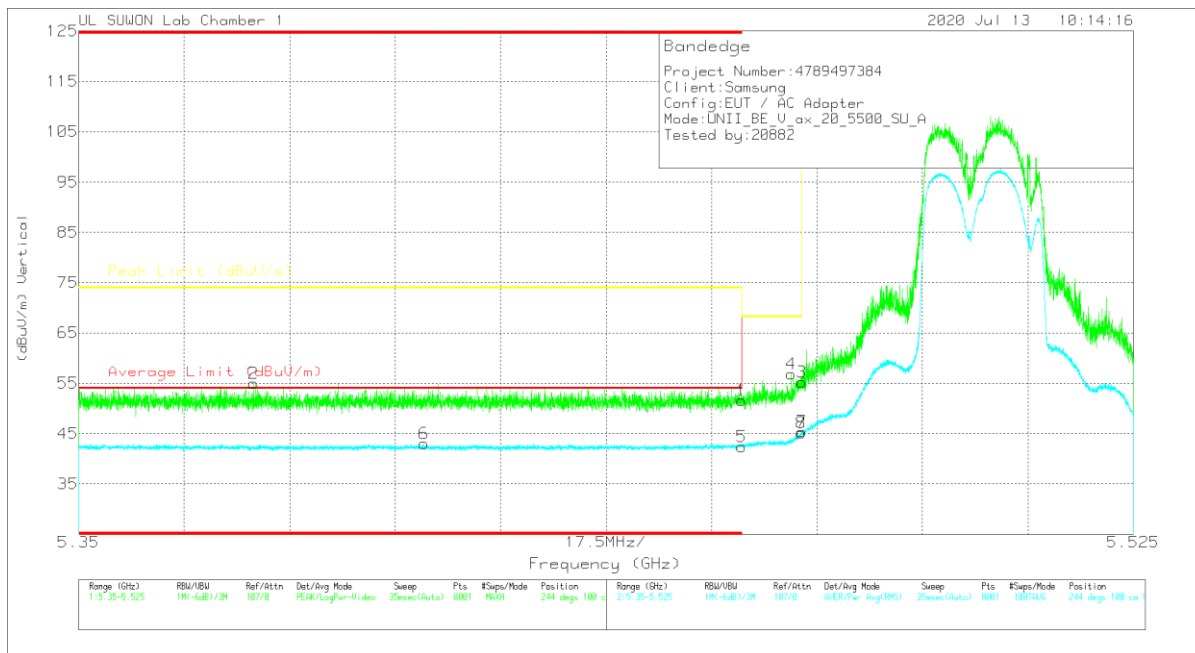
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB_ATT[dB] | DC Cor (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Acimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|-------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.45999       | 39.83                | Pk  | 34.7          | -21.4        | 0           | 53.13                      | -                      | -           | 74                  | -20.87         | 246            | 165         | H        |
| 2      | * 5.40178       | 41.89                | Pk  | 34.7          | -21.5        | 0           | 55.09                      | -                      | -           | 74                  | -18.91         | 246            | 165         | H        |
| 3      | 5.46998         | 45.47                | Pk  | 34.7          | -21.5        | 0           | 58.67                      | -                      | -           | 68.2                | -9.53          | 246            | 165         | H        |
| 4      | 5.46985         | 47.69                | Pk  | 34.7          | -21.5        | 0           | 60.89                      | -                      | -           | 68.2                | -7.31          | 246            | 165         | H        |
| 5      | * 5.45999       | 30.03                | RMS | 34.7          | -21.4        | 0           | 43.33                      | 54                     | -10.67      | -                   | -              | 246            | 165         | H        |
| 6      | * 5.45977       | 30.25                | RMS | 34.7          | -21.5        | 0           | 43.45                      | 54                     | -10.55      | -                   | -              | 246            | 165         | H        |
| 7      | 5.46998         | 33.8                 | RMS | 34.7          | -21.5        | 0           | 47                         | -                      | -           | -                   | -              | 246            | 165         | H        |
| 8      | 5.46985         | 34.3                 | RMS | 34.7          | -21.5        | 0           | 47.5                       | -                      | -           | -                   | -              | 246            | 165         | H        |

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE DATA**



**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB_ATT(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      | * 5.45999       | 38.29                | Pk  | 34.7          | -21.4        | 0            | 51.59                      | -                      | -           | 74                  | -22.41         | 244            | 100         | V        |
| 2      | * 5.37903       | 41.88                | Pk  | 34.7          | -21.6        | 0            | 54.98                      | -                      | -           | 74                  | -19.02         | 244            | 100         | V        |
| 3      | 5.46998         | 42.01                | Pk  | 34.7          | -21.5        | 0            | 55.21                      | -                      | -           | 68.2                | -12.99         | 244            | 100         | V        |
| 4      | 5.46826         | 43.64                | Pk  | 34.7          | -21.5        | 0            | 56.84                      | -                      | -           | 68.2                | -11.36         | 244            | 100         | V        |
| 5      | * 5.45999       | 29.06                | RMS | 34.7          | -21.4        | 0            | 42.36                      | 54                     | -11.64      | -                   | -              | 244            | 100         | V        |
| 6      | * 5.40729       | 29.78                | RMS | 34.7          | -21.5        | 0            | 42.98                      | 54                     | -11.02      | -                   | -              | 244            | 100         | V        |
| 7      | 5.46998         | 32.19                | RMS | 34.7          | -21.5        | 0            | 45.39                      | -                      | -           | -                   | -              | 244            | 100         | V        |
| 8      | 5.46988         | 32                   | RMS | 34.7          | -21.5        | 0            | 45.2                       | -                      | -           | -                   | -              | 244            | 100         | V        |

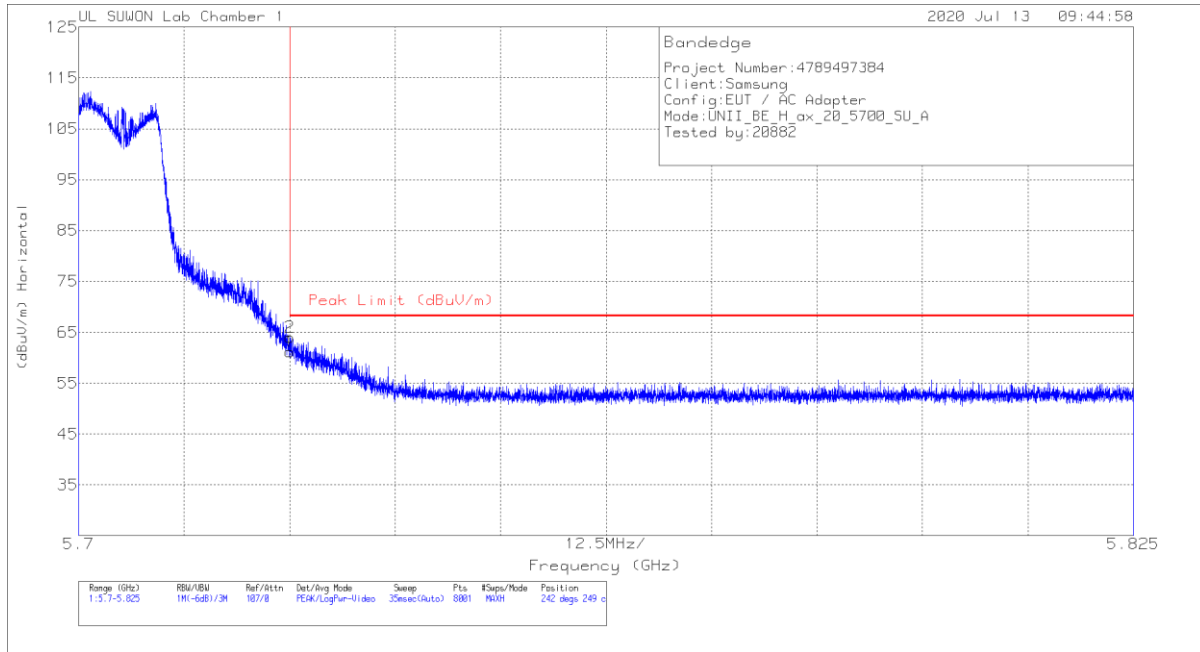
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL PEAK DATA**

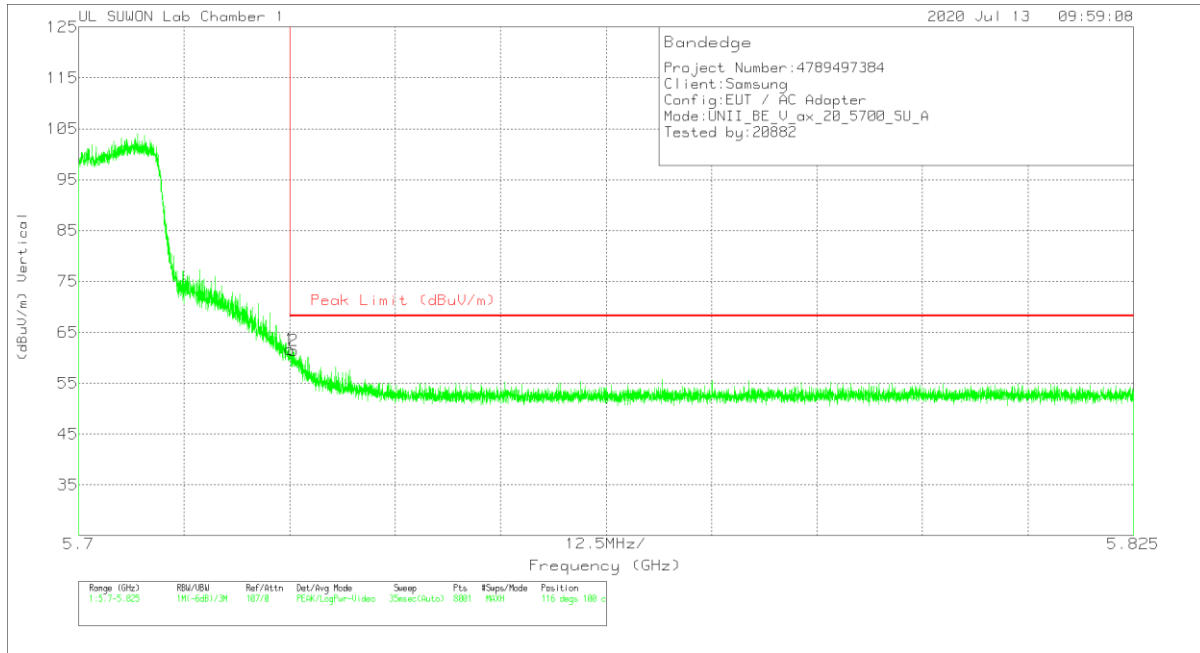


**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|--------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.72502         | 47.49                | Pk  | 34.8          | -21.1        | 0            | 61.19                      | 68.2                | -7.01          | 242            | 249         | H        |
| 2      | 5.72505         | 50.36                | Pk  | 34.8          | -21.1        | 0            | 64.06                      | 68.2                | -4.14          | 242            | 249         | H        |

Pk - Peak detector

**VERTICAL PEAK AND AVERAGE DATA**



**Trace Markers**

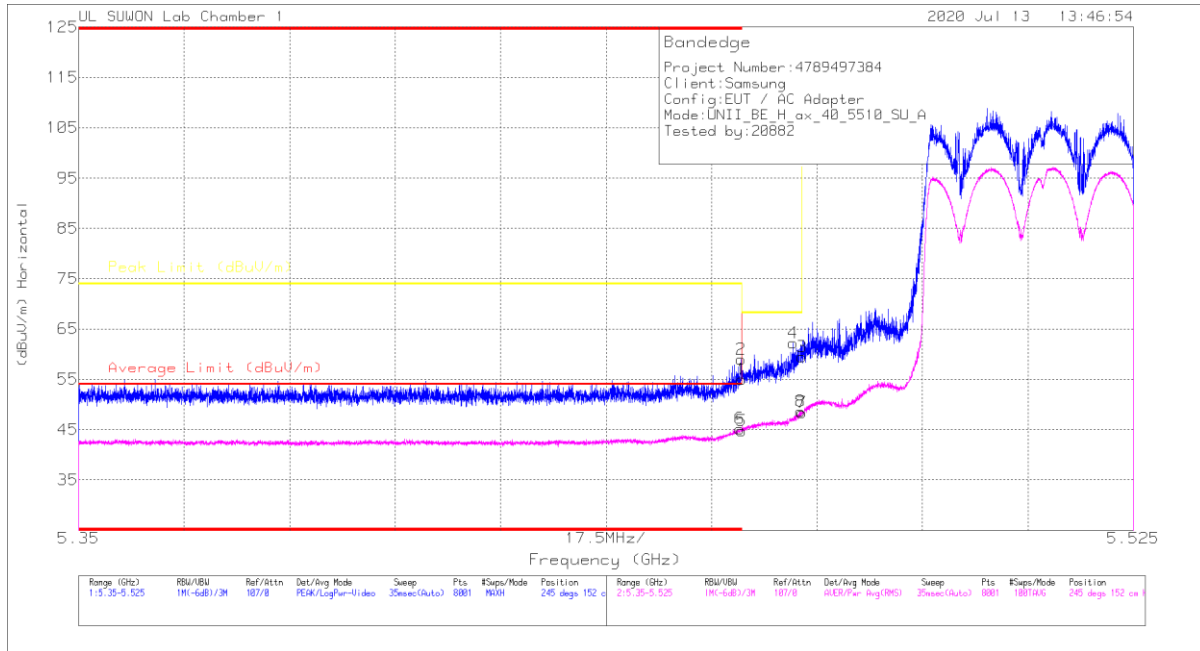
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|--------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.72502         | 47.99                | Pk  | 34.8          | -21.1        | 0            | 61.69                      | 68.2                | -6.51          | 116            | 100         | V        |
| 2      | 5.72544         | 47.67                | Pk  | 34.8          | -21.1        | 0            | 61.37                      | 68.2                | -6.83          | 116            | 100         | V        |

Pk - Peak detector

### 11.3.6. TX ABOVE 1GHz 802.11ax HE40 2Tx MODE IN THE 5.5GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE DATA



#### Trace Markers

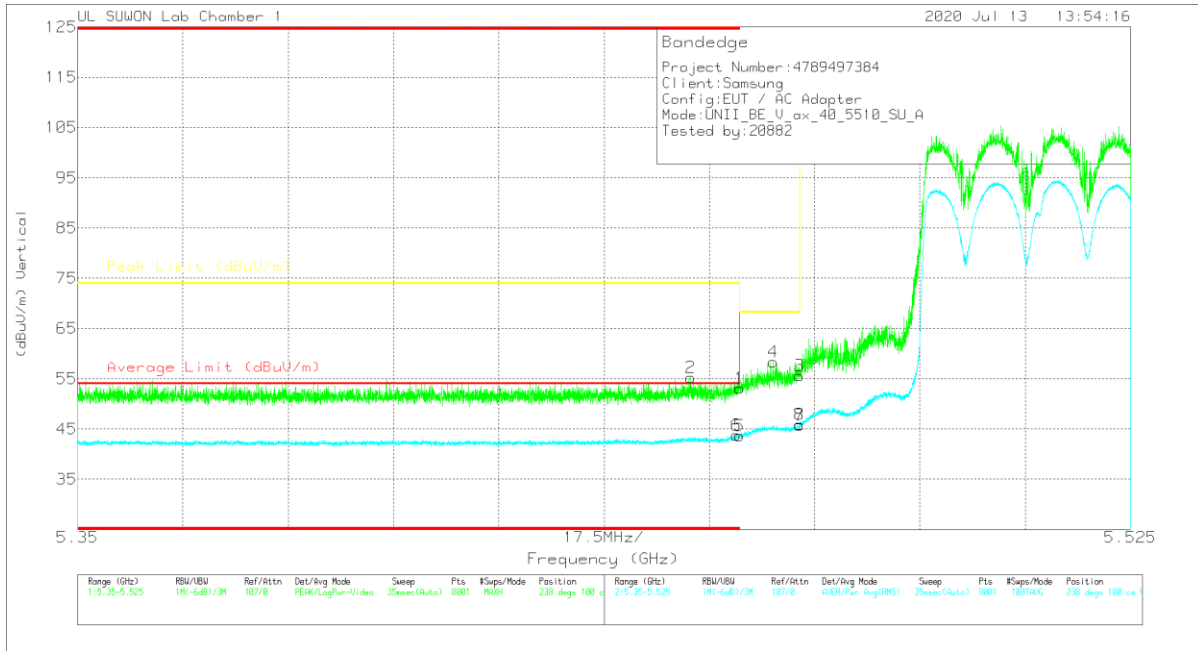
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.45999       | 41.73                | Pk  | 34.7          | -21.4        | 0            | 55.03                      | -                      | -           | 74                  | -18.97         | 245            | 152         | H        |
| 2      | * 5.45988       | 45.63                | Pk  | 34.7          | -21.4        | 0            | 58.93                      | -                      | -           | 74                  | -15.07         | 245            | 152         | H        |
| 3      | 5.46998         | 46.23                | Pk  | 34.7          | -21.5        | 0            | 59.43                      | -                      | -           | 68.2                | -8.77          | 245            | 152         | H        |
| 4      | 5.46856         | 48.97                | Pk  | 34.7          | -21.5        | 0            | 62.17                      | -                      | -           | 68.2                | -6.03          | 245            | 152         | H        |
| 5      | * 5.45999       | 31.45                | RMS | 34.7          | -21.4        | 0            | 44.75                      | 54                     | -9.25       | -                   | -              | 245            | 152         | H        |
| 6      | * 5.45966       | 32.01                | RMS | 34.7          | -21.5        | 0            | 45.21                      | 54                     | -8.79       | -                   | -              | 245            | 152         | H        |
| 7      | 5.46998         | 35.17                | RMS | 34.7          | -21.5        | 0            | 48.37                      | -                      | -           | -                   | -              | 245            | 152         | H        |
| 8      | 5.46981         | 35.49                | RMS | 34.7          | -21.5        | 0            | 48.69                      | -                      | -           | -                   | -              | 245            | 152         | H        |

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE DATA**



**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBu) | Det | 3117_00168717 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBu/m) | Average Limit (dBu/m) | Margin (dB) | Peak Limit (dBu/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|---------------|--------------|--------------|---------------------------|-----------------------|-------------|--------------------|----------------|----------------|-------------|----------|
| 1      | * 5.45999       | 39.83               | Pk  | 34.7          | -21.4        | 0            | 53.13                     | -                     | -           | 74                 | -20.87         | 238            | 100         | V        |
| 2      | * 5.45194       | 42.08               | Pk  | 34.7          | -21.5        | 0            | 55.28                     | -                     | -           | 74                 | -18.72         | 238            | 100         | V        |
| 3      | 5.46998         | 42.44               | Pk  | 34.7          | -21.5        | 0            | 55.64                     | -                     | -           | 68.2               | -12.56         | 238            | 100         | V        |
| 4      | 5.46559         | 45.02               | Pk  | 34.7          | -21.4        | 0            | 58.32                     | -                     | -           | 68.2               | -9.88          | 238            | 100         | V        |
| 5      | * 5.45999       | 30.31               | RMS | 34.7          | -21.4        | 0            | 43.61                     | 54                    | -10.39      | -                  | -              | 238            | 100         | V        |
| 6      | * 5.45951       | 30.54               | RMS | 34.7          | -21.5        | 0            | 43.74                     | 54                    | -10.26      | -                  | -              | 238            | 100         | V        |
| 7      | 5.46998         | 32.55               | RMS | 34.7          | -21.5        | 0            | 45.75                     | -                     | -           | -                  | -              | 238            | 100         | V        |
| 8      | 5.46996         | 32.73               | RMS | 34.7          | -21.5        | 0            | 45.93                     | -                     | -           | -                  | -              | 238            | 100         | V        |

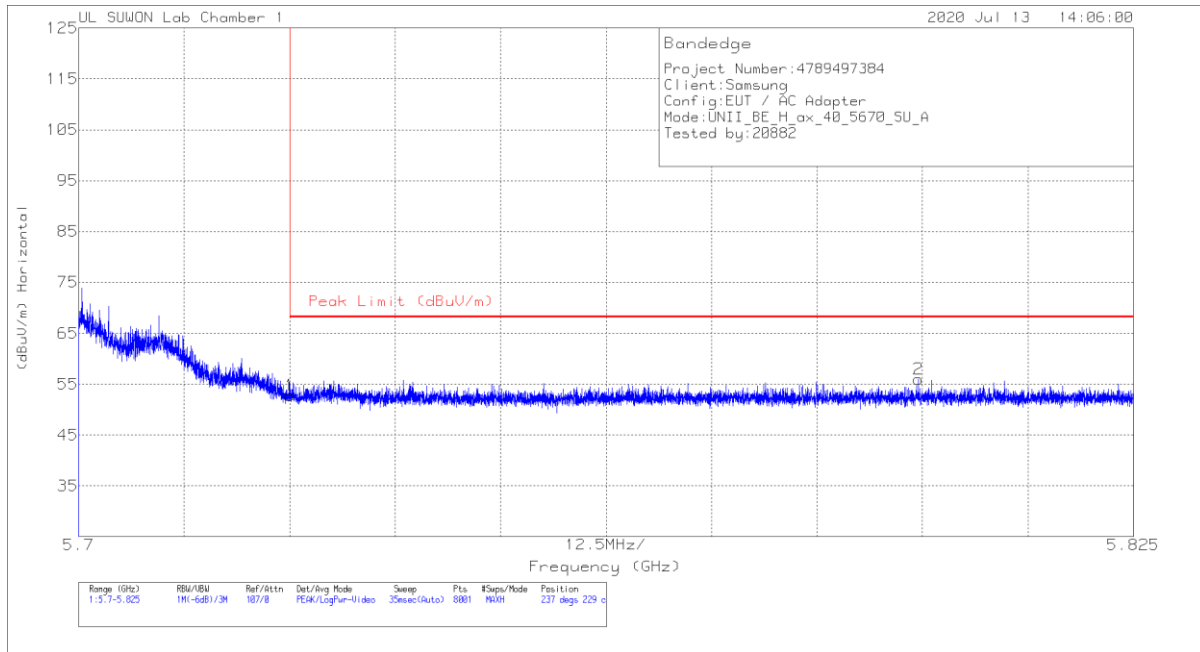
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL PEAK AND AVERAGE DATA**

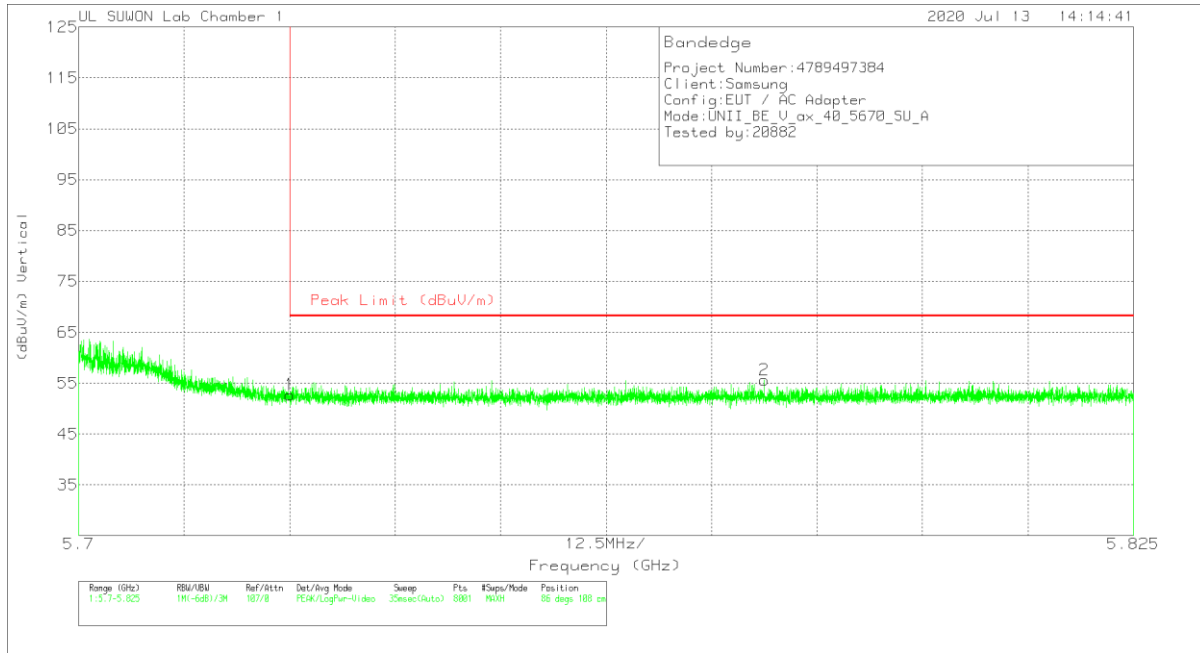


**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|--------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.72502         | 39.15                | Pk  | 34.8          | -21.1        | 0            | 52.85                      | 68.2                | -15.35         | 237            | 229         | H        |
| 2      | 5.7995          | 42.12                | Pk  | 34.9          | -21          | 0            | 56.02                      | 68.2                | -12.18         | 237            | 229         | H        |

Pk - Peak detector

**VERTICAL PEAK AND AVERAGE DATA**



**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|--------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.72502         | 39.03                | Pk  | 34.8          | -21.1        | 0            | 52.73                      | 68.2                | -15.47         | 86             | 108         | V        |
| 2      | 5.78127         | 41.87                | Pk  | 34.9          | -21.1        | 0            | 55.67                      | 68.2                | -12.53         | 86             | 108         | V        |

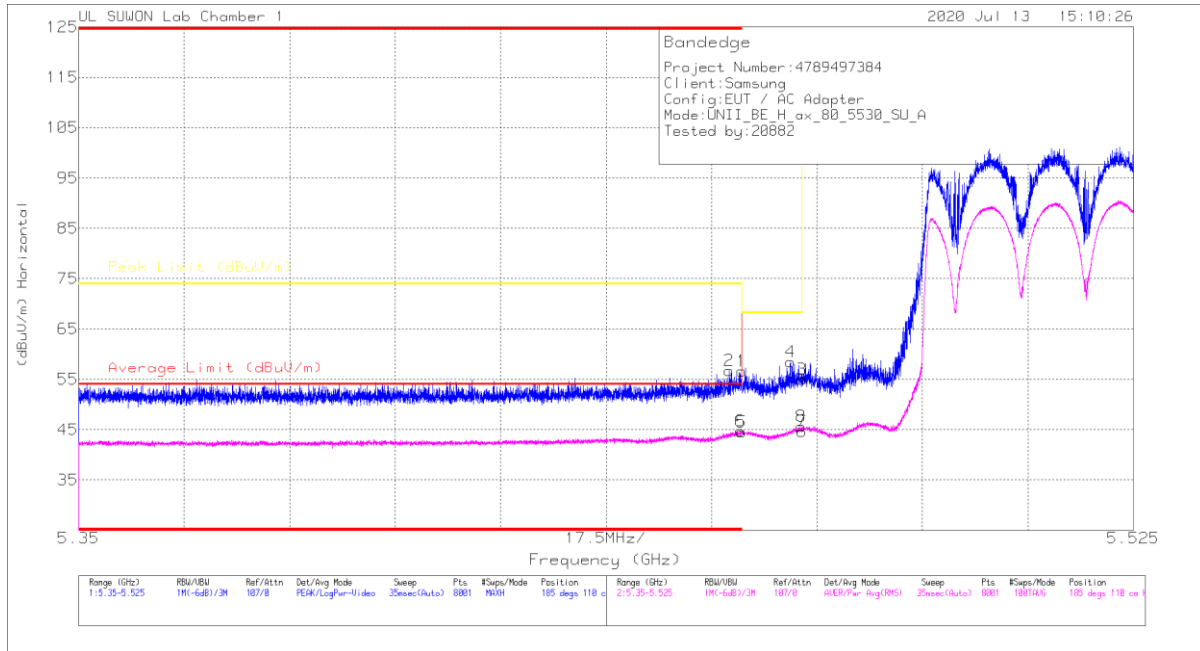
Pk - Peak detector



### 11.3.7. TX ABOVE 1GHz 802.11ax HE80 2Tx MODE IN THE 5.5GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE DATA



#### Trace Markers

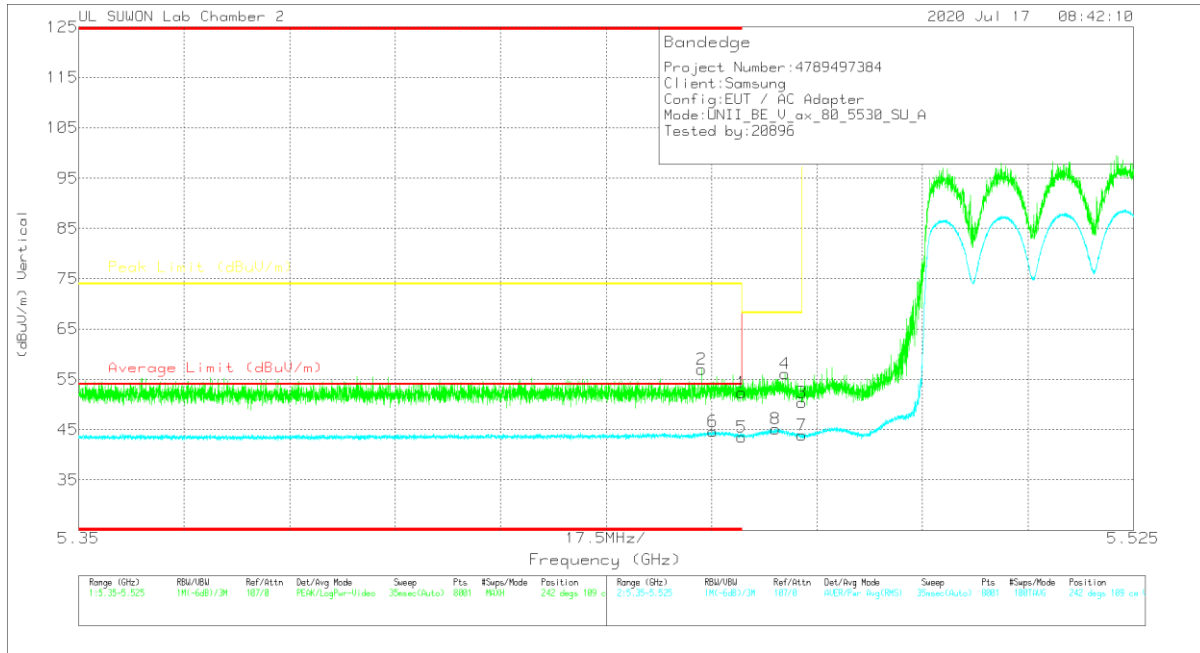
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Pk Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.45999       | 43.36                | Pk  | 34.7          | -21.4        | 0            | 56.66                      | -                      | -           | 74                  | -17.34         | 185            | 110         | H        |
| 2      | * 5.45795       | 43.42                | Pk  | 34.7          | -21.4        | 0            | 56.72                      | -                      | -           | 74                  | -17.28         | 185            | 110         | H        |
| 3      | 5.46998         | 41.74                | Pk  | 34.7          | -21.5        | 0            | 54.94                      | -                      | -           | 68.2                | -13.26         | 185            | 110         | H        |
| 4      | 5.46808         | 45.23                | Pk  | 34.7          | -21.5        | 0            | 58.43                      | -                      | -           | 68.2                | -9.77          | 185            | 110         | H        |
| 5      | * 5.45999       | 31.17                | RMS | 34.7          | -21.4        | 0            | 44.47                      | 54                     | -9.53       | -                   | -              | 185            | 110         | H        |
| 6      | * 5.45981       | 31.58                | RMS | 34.7          | -21.5        | 0            | 44.78                      | 54                     | -9.22       | -                   | -              | 185            | 110         | H        |
| 7      | 5.46998         | 31.44                | RMS | 34.7          | -21.5        | 0            | 44.64                      | -                      | -           | -                   | -              | 185            | 110         | H        |
| 8      | 5.4699          | 32.43                | RMS | 34.7          | -21.5        | 0            | 45.63                      | -                      | -           | -                   | -              | 185            | 110         | H        |

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE DATA**



**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168724 | 10dB_ATT[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      | * 5.45999       | 35.82                | Pk  | 34.6          | -18.1        | 0            | 52.32                      | -                      | -           | 74                  | -21.68         | 242            | 109         | V        |
| 2      | * 5.45338       | 40.44                | Pk  | 34.6          | -18.1        | 0            | 56.94                      | -                      | -           | 74                  | -17.06         | 242            | 109         | V        |
| 3      | 5.46998         | 33.92                | Pk  | 34.6          | -18.1        | 0            | 50.42                      | -                      | -           | 68.2                | -17.78         | 242            | 109         | V        |
| 4      | 5.46716         | 39.64                | Pk  | 34.6          | -18.1        | 0            | 56.14                      | -                      | -           | 68.2                | -12.06         | 242            | 109         | V        |
| 5      | * 5.45999       | 26.97                | RMS | 34.6          | -18.1        | 0            | 43.47                      | 54                     | -10.53      | -                   | -              | 242            | 109         | V        |
| 6      | * 5.45518       | 28.17                | RMS | 34.6          | -18.1        | 0            | 44.67                      | 54                     | -9.33       | -                   | -              | 242            | 109         | V        |
| 7      | 5.46998         | 27.39                | RMS | 34.6          | -18.1        | 0            | 43.89                      | -                      | -           | -                   | -              | 242            | 109         | V        |
| 8      | 5.46563         | 28.7                 | RMS | 34.6          | -18.1        | 0            | 45.2                       | -                      | -           | -                   | -              | 242            | 109         | V        |

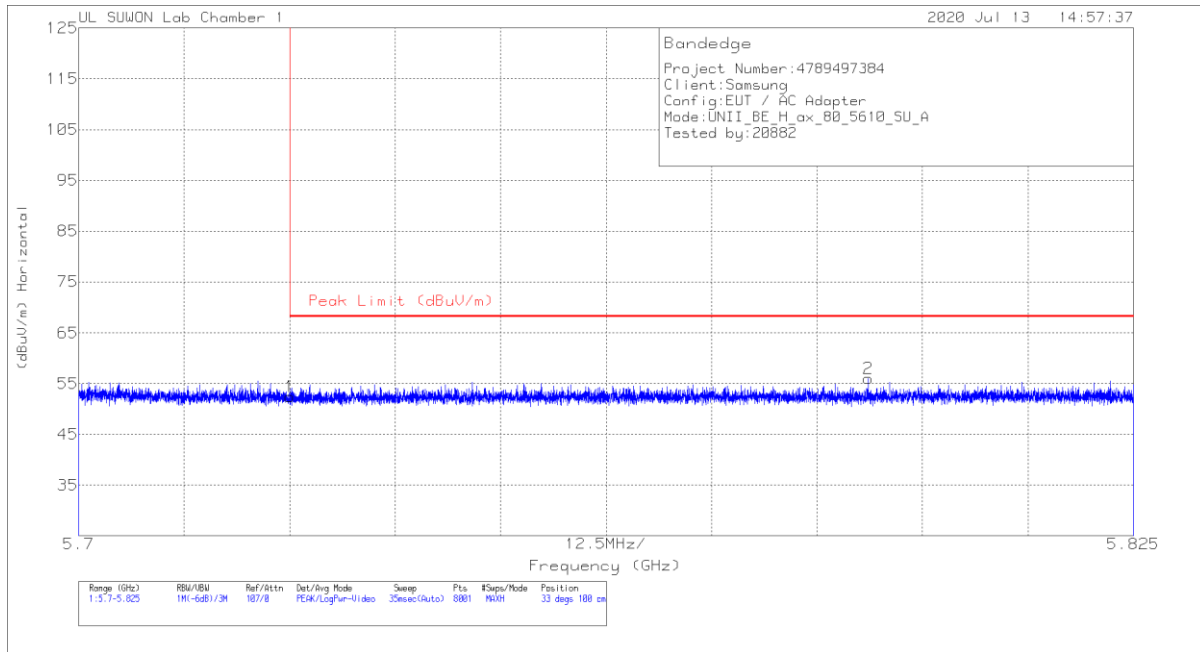
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL PEAK AND AVERAGE DATA**

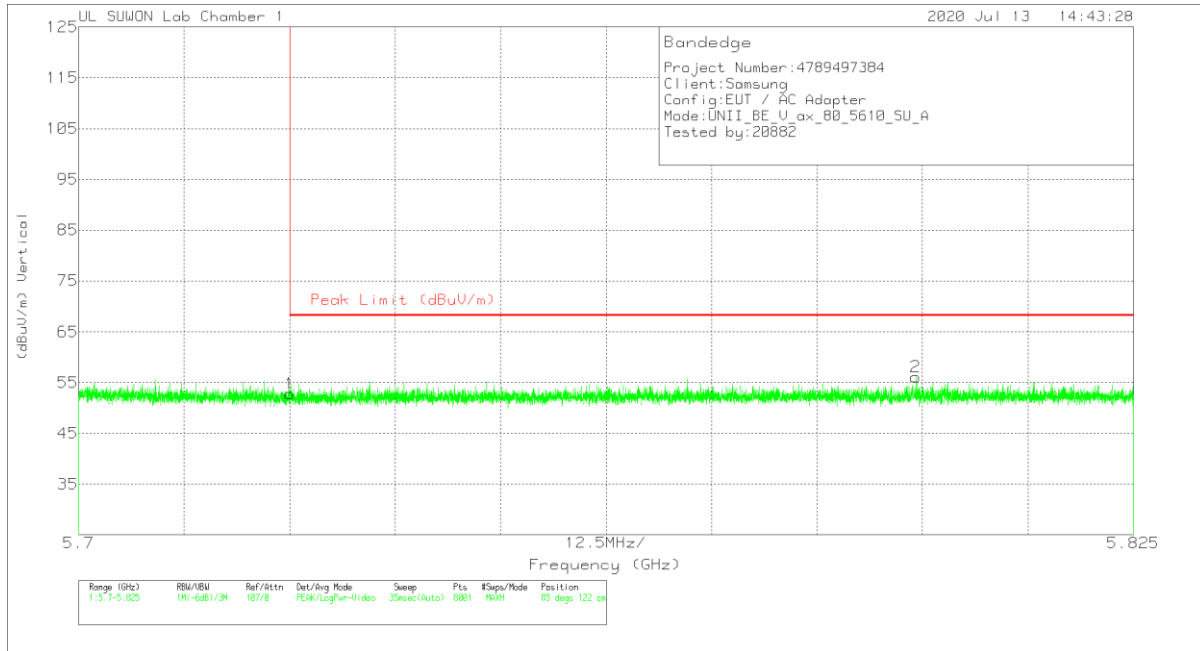


**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|--------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.72502         | 38.67                | Pk  | 34.8          | -21.1        | 0            | 52.37                      | 68.2                | -15.83         | 33             | 100         | H        |
| 2      | 5.79355         | 42.19                | Pk  | 34.9          | -21.1        | 0            | 55.99                      | 68.2                | -12.21         | 33             | 100         | H        |

Pk - Peak detector

**VERTICAL PEAK AND AVERAGE DATA**



**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|--------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.72502         | 39.14                | Pk  | 34.8          | -21.1        | 0            | 52.84                      | 68.2                | -15.36         | 85             | 122         | V        |
| 2      | 5.79919         | 42.24                | Pk  | 34.9          | -21          | 0            | 56.14                      | 68.2                | -12.06         | 85             | 122         | V        |

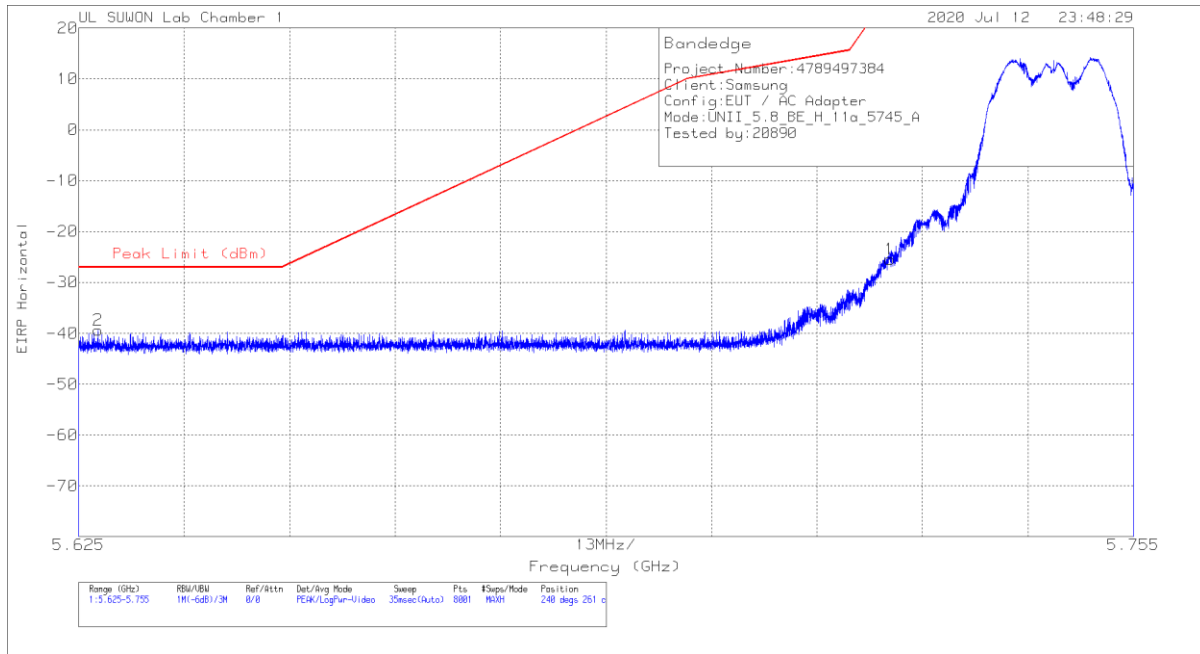
Pk - Peak detector

## 11.4. 5.8 GHz

### 11.4.1. TX ABOVE 1GHz 802.11a 2Tx MODE IN THE 5.8GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL PEAK DATA

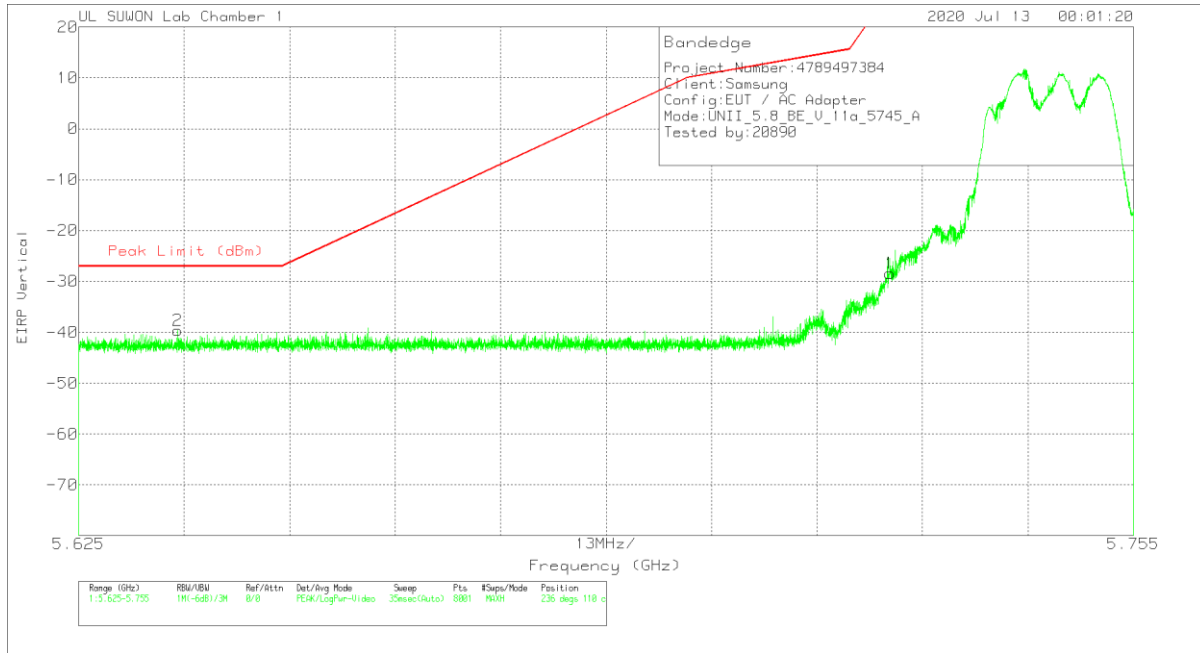


#### Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 3117_00168717 | 10dB_ATT[dB] | Conversion Factor (dB) | DC Corr (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|---------------|--------------|------------------------|--------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.72499         | -50.95              | Pk  | 34.8          | -21.1        | 11.8                   | 0            | -25.45                 | 26.97            | -52.42         | 240            | 261         | H        |
| 2      | 5.62741         | -64.73              | Pk  | 34.7          | -21.1        | 11.8                   | 0            | -39.33                 | -27              | -12.33         | 240            | 261         | H        |

Pk - Peak detector

**VERTICAL PEAK DATA**



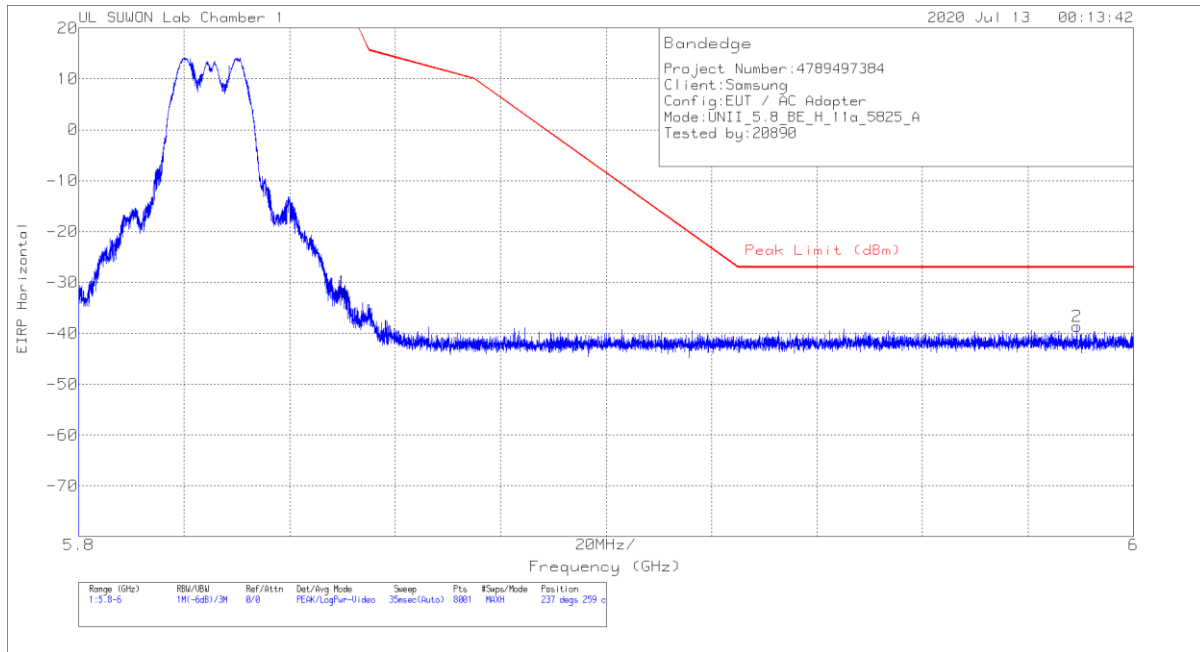
**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 3117_00168717 | 10dB_ATT[dB] | Conversion Factor (dB) | DC Corr (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|---------------|--------------|------------------------|--------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.72499         | -53.86              | Pk  | 34.8          | -21.1        | 11.8                   | 0            | -28.36                 | 26.97            | -55.33         | 236            | 110         | V        |
| 2      | 5.63719         | -64.98              | Pk  | 34.7          | -21.1        | 11.8                   | 0            | -39.58                 | -27              | -12.58         | 236            | 110         | V        |

Pk - Peak detector

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL PEAK DATA**

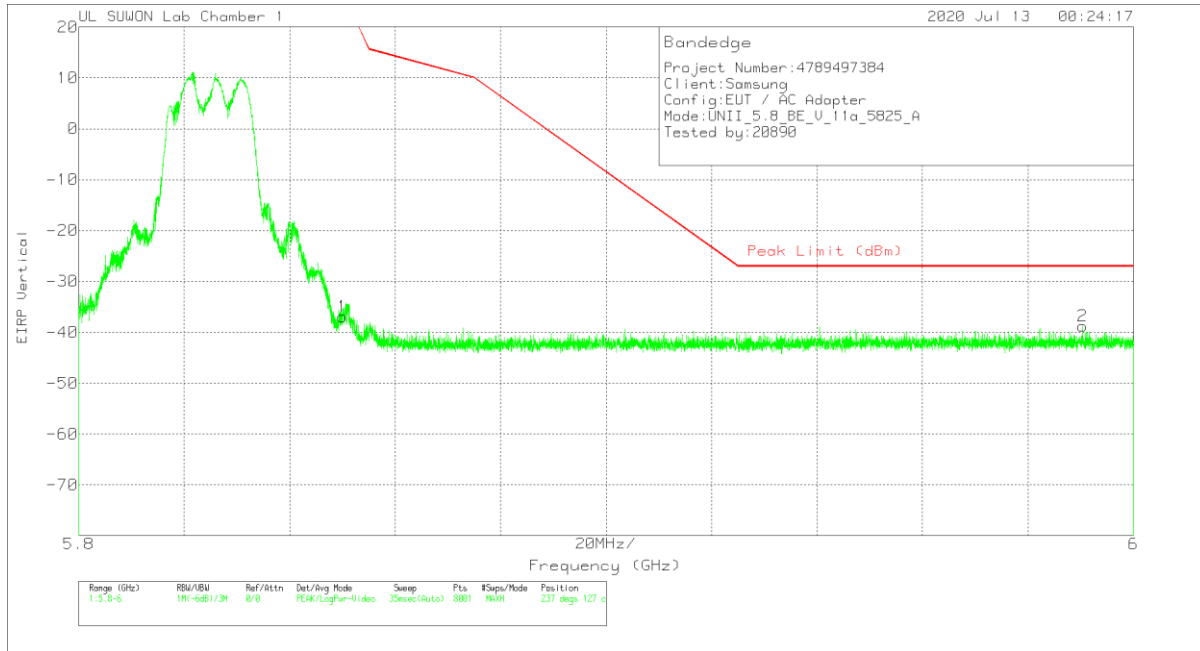


**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 3117_00168717 | 10dB_ATT[dB] | Conversion Factor (dB) | DC Corr (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|---------------|--------------|------------------------|--------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85003         | -57.69              | Pk  | 35            | -21          | 11.8                   | 0            | -31.89                 | 26.94            | -58.83         | 237            | 259         | H        |
| 2      | 5.98925         | -64.92              | Pk  | 35.1          | -20.6        | 11.8                   | 0            | -38.62                 | -27              | -11.62         | 237            | 259         | H        |

Pk - Peak detector

**VERTICAL PEAK DATA**



**Trace Markers**

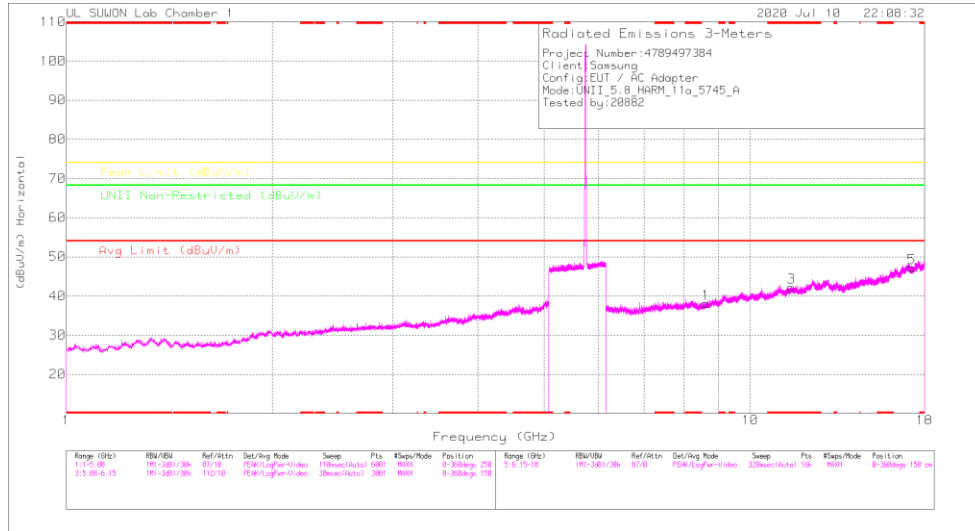
| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 3117_00168717 | 10dB_ATT[dB] | Conversion Factor (dB) | DC Corr (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|---------------|--------------|------------------------|--------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85003         | -62.74              | Pk  | 35            | -21          | 11.8                   | 0            | -36.94                 | 26.94            | -63.88         | 237            | 127         | V        |
| 2      | 5.99038         | -65.06              | Pk  | 35.1          | -20.6        | 11.8                   | 0            | -38.76                 | -27              | -11.76         | 237            | 127         | V        |

Pk - Peak detector

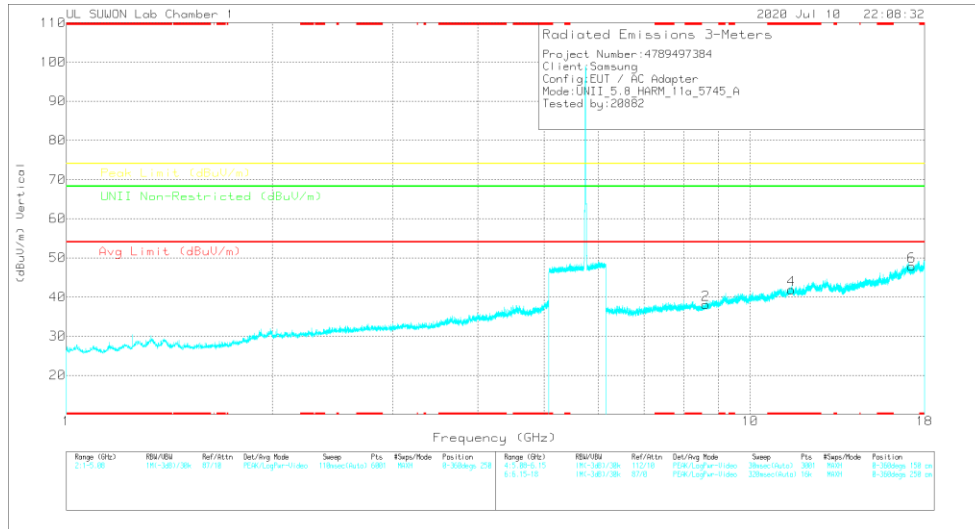


**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL HORIZONTAL**



**LOW CHANNEL VERTICAL**



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**LOW CHANNEL DATA**

**Radiated Emissions**

| Frequency (GHz) | Max Reading (dBu) | Det  | 317_00168717 | SCM_HPSR | DC Corr (dB) | Corrected Reading (dBu/m) | Avg Limit (dBu/m) | Margin (dB) | Peak Limit (dBu/m) | Margin (dB) | UNII Non-Restricted (dBu/m) | Margin (dB) | Altitude (Degs) | Height (cm) | Polarity |
|-----------------|-------------------|------|--------------|----------|--------------|---------------------------|-------------------|-------------|--------------------|-------------|-----------------------------|-------------|-----------------|-------------|----------|
| 8.6142          | 36.99             | PK-U | 36.3         | -24.9    | 0            | 48.39                     | -                 | -           | -                  | -           | 68.2                        | -19.81      | 0               | 100         | H        |
| 8.61919         | 36.85             | PK-U | 36.3         | -24.9    | 0            | 49.25                     | -                 | -           | -                  | -           | 68.2                        | -19.95      | 0               | 100         | V        |
| * 11.48946      | 35.98             | PK-U | 38.5         | -22.3    | 0            | 52.18                     | -                 | -           | 74                 | -21.82      | -                           | -           | 0               | 100         | H        |
| * 11.49081      | 35.59             | PK-U | 38.5         | -22.4    | 0            | 51.69                     | -                 | -           | 74                 | -22.31      | -                           | -           | 0               | 100         | V        |
| 17.23603        | 34.68             | PK-U | 41.3         | -17.6    | 0            | 58.38                     | -                 | -           | -                  | -           | 68.2                        | -9.82       | 0               | 100         | H        |
| 17.23626        | 34.94             | PK-U | 41.3         | -17.6    | 0            | 58.64                     | -                 | -           | -                  | -           | 68.2                        | -9.56       | 0               | 100         | V        |

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK-U - U-NII: Maximum Peak